Radar Rainfall Analysis
Toronto and Region Conservation Authority
2 Historical Rainfall Events
July-August 2024

Prepared for Toronto and Region Conservation Authority

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301 David L. Boren Blvd., Suite 3050
Norman, Oklahoma 73072
(405) 325-1818
www.vieuxinc.com

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CERTIFICATION

Vieux and Associates, Inc. ensures that the Gauge Adjusted Radar Rainfall (GARR) values contained in this report are calculated based on the methodology described herein and are the result of a thorough analysis of meteorological data collected from both private and public sources. Our professionally trained hydrometeorologists employ a thorough quality-control and evaluation process, producing the most accurate and representative GARR over the defined study area. Vieux and Associates, Inc. reserves the right to amend reports at any time upon further review and/or discovery of additional data.



James Logan
Water Sector Leader

10/13/2026
Date

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Glossary

Average Difference (AD) – Average of the absolute percentage differences between the rain gauge data and uncalibrated radar data sampled over the gauges.

Bias Correction Factor – Bias is a systematic error that can be corrected through calibration. The correction factor is the sum of the gauges divided by the sum of the sampled radar values over the gauges.

Calibrated Average Difference (CAD) – Average of the absolute percentage differences between the rain gauges and local bias calibrated radar data sampled over the gauges.

Cumulative Distribution Plot (CDP) – A graph depicting the accumulation of a rain gauge and the unadjusted/adjusted radar over that gauge.

Decibels of Reflectance (dBZ) – The logarithmic scale for measuring radar reflectivity factor or a measure of reflectivity of a radar signal off a remote object.

Gauge Adjusted Radar Rainfall (GARR) – Bias corrected radar rainfall through comparison with rain gauges.

KBUF – Federal Communications Commission (FCC) call sign for the NEXRAD near Buffalo, NY.

Level II – The Level II radar products are the highest resolution, and consist of the base data that includes reflectivity measured in decibels of reflectance (dBZ) among Doppler velocity and spectrum width.

Level III – The Level III radar products are derivative products from Level II, and consist of horizontal and vertical reflectivity among other products.

Local Bias (LB) – An approach to adjusting radar rainfall that uses the ratio of gauge to radar accumulations from surrounding gauges, with the closest gauge having the most weight.

Minimum Storm Total Threshold (MSTT) – A check used to remove radar/gauge pairs whose cumulative radar and/or gauge values for a given event period were below 0.05 inches.

Next Generation RADAR (NEXRAD) – A network of S-band (10.5-cm wavelength) radars operated by the National Weather Service.

Radio Detection and Ranging (RADAR) – An electronic instrument used for the detection and ranging of distant objects of such composition that they scatter or reflect radio energy.

Radar-Gauge (RG) – A pair of rainfall accumulations measured by the rain gauge and the radar rainfall accumulation sampled above the gauge.

Z-R relationship – An empirical relationship between radar reflectivity factor Z ($mm^6\ m^{-3}$) and rain rate R ($mm\ hr^{-1}$). Radar reflectivity factor is dependent on the rain drop size distribution. [$Z = aR^b$, where a and b are empirically derived constants]

- **Convective** – generally used for convective (i.e. thunderstorms) rainfall [$Z = 300R^{1.4}$]

Overview

Vieux processed radar and rain gauge data for Toronto and Region Conservation Authority (TRCA). Radar and rain gauge data are quality controlled (QC) to produce QC gauge-adjusted radar rainfall (GARR) for 2 historical rainfall events that occurred on July 15 – 16, 2024 and August 17 - 18, 2024. To produce QC GARR, both radar and rain gauge data are reviewed manually to remove inconsistent data. QC is performed to remove anomalous radar data and inconsistent rain gauges.

Radar data used in production of GARR is produced by the National Weather Service (NWS) Next Generation Radar (NEXRAD) system. NEXRAD Level II radar data are often referred to as Base Data and contain the full spatial/temporal/data resolution data from the radar. Level II radar data measures reflectivity in decibels of reflectance (dBZ), and at a spatial resolution of 0.5-degree by 0.25-km every 4 – 10 minutes with a data resolution of 0.5 dBZ amounting to 256 data levels of data. Level III Q0 radar data have the same data and temporal resolution, but a reduced spatial resolution of 1-degree by 1-km.

The primary radar data source used to process this period was Level II NEXRAD data from KBUF located near Buffalo, NY. The succession of data used gives priority to Level II followed by Level III products. If KBUF Level II NEXRAD data are unavailable, then KBUF Level III Q0 is substituted. In the event that all radar sources are unavailable or if the radar provides insufficient rainfall information, then a gauge-only product that spatially distributes point rainfall estimates is used. All radar data were processed into 5-minute increments.

Because the radar measures reflectivity in polar coordinates centered on the radar installation, the 1-degree azimuth increases in width as range increases from the radar. Range resolution of both Level II and III is 1-km and is measured out to 230-km from the radar. Due to the locations of KBUF in relation to the target area, the polar coordinates defining resolution range in width from 1.5 to 2.7-km. The radar data represented in these polar coordinates are sampled through spatial averaging into a Cartesian grid of uniform resolution, i.e. 1x1 km. An advantage of the Cartesian grid is that one radar can be substituted for the other without changing the grid resolution, as would be necessary if polar coordinates were used for output of rainfall information at 1x1 km spatial resolution. The Cartesian grid used is defined by a 1-km^2 grid domain shapefile produced by Vieux, Inc., resulting in 2961 1-km^2 pixels encompassing the watersheds provided by TRCA.

Rainfall data from as many as 170 gauges were used to adjust the radar: 48 City of Toronto, 40 TRCA, 33 York, 26 Region of Peel, 13 Markam, and 10 Mississauga. Figure 1 depicts the spatial distribution of the rain gauge network and the 1-km^2 pixels. For the gauges shown in Figure 1, the ID, name and source of each gauge is listed in Table 1. Radar data review, preparation and sampling the radar over the gauges and 1-km^2 pixels were achieved using software developed at Vieux, Inc.

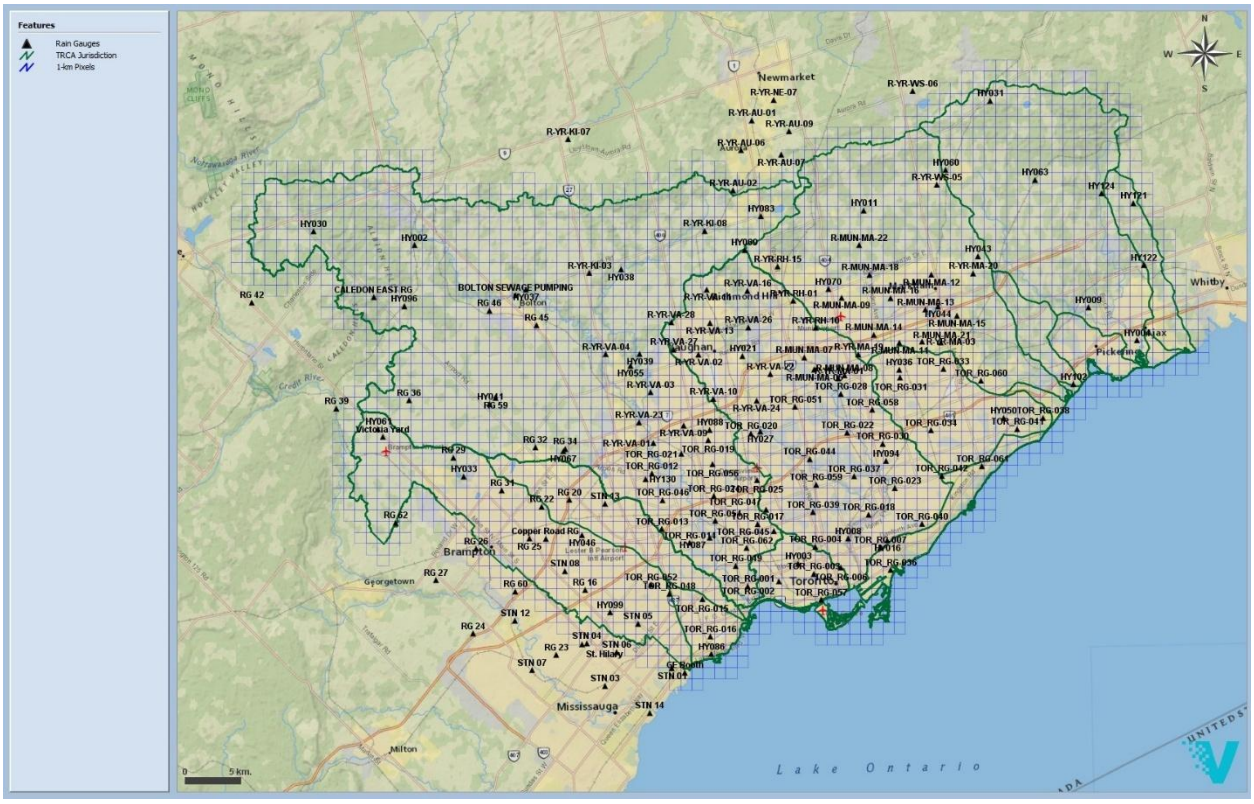


Figure 1. Spatial Distribution of the Rain Gauge Network and the 1-km^2 Pixels.

Table 1. Rain Gauge ID, Name and Source

Gauge ID	Gauge Name	Source
HY002	Albion Hills	TRCA
HY003	Alex Duff Memorial Pool	TRCA
HY004	Bayly and Church	TRCA
HY008	Brickworks	TRCA
HY009	Brock West Landfill	TRCA
HY011	Bruces Mill CA	TRCA
HY016	Danforth and Coxwell	TRCA
HY021	Dufferin Reservoir	TRCA
HY027	G Ross Dam	TRCA
HY030	Glen Haffy	TRCA
HY031	Goodwood Pumping Station	TRCA
HY033	Heart Lake CA	TRCA
HY036	Kennedy Pump Station	TRCA
HY037	King and Albion-Vaughan	TRCA
HY038	East Humber at Mill Road	TRCA
HY039	Kortright	TRCA
HY041	Tullamore	TRCA

Gauge ID	Gauge Name	Source
HY043	Little Rouge at 16th	TRCA
HY044	Milne Dam	TRCA
HY046	Mississauga Works Yard	TRCA
HY050	Morningside Works Yard	TRCA
HY055	Restoration Services	TRCA
HY060	Stouffville Dam	TRCA
HY061	Sue Grange Farm	TRCA
HY063	Transport Canada	TRCA
HY067	West Humber at Hwy7	TRCA
HY069	York Pumping Station	TRCA
HY070	York Region Works Yard	TRCA
HY083	Oak Ridges	TRCA
HY086	RL Clark WTP	TRCA
HY087	Westmount Park	TRCA
HY088	The Village at Black Creek	TRCA
HY094	Broadlands Community Centre	TRCA
HY096	Caledon East Soccer Complex	TRCA
HY099	Rathwood	TRCA
HY102	Petticoat Works Yard	TRCA
HY121	Balsam at 407	TRCA
HY122	Durham Works Yard	TRCA
HY124	Claremont Nature Centre	TRCA
HY130	Elmbank Community Centre	TRCA
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	Region of Peel
CALEDON EAST RG	Caledon East	Region of Peel
Copper Road RG	Copper Road	Region of Peel
GE Booth	GE Booth WWTP	Region of Peel
RG 16	Hanlan	Region of Peel
RG 20	PEEL/YORK ODOUR CONTROL	Region of Peel
RG 22	Bramalea - Fire Station 202	Region of Peel
RG 23	BRITANNIA LEACHATE PUMPING	Region of Peel
RG 24	MULLET CREEK SEWAGE	Region of Peel
RG 25	RESERVOIR - BECKETT SPROULE	Region of Peel
RG 26	McLaughlin - Chris Gibson Recreation Centre	Region of Peel
RG 27	RESERVOIR - WEST BRAMPTON	Region of Peel
RG 29	RESERVOIR - NORTH BRAMPTON	Region of Peel
RG 31	East Brampton Res	Region of Peel
RG 32	RESERVOIR - AIRPORT	Region of Peel
RG 34	MCVEAN SEWAGE PUMPING	Region of Peel
RG 36	CHINGUACOUSY LEACHATE PUMPING	Region of Peel

Gauge ID	Gauge Name	Source
RG 39	Inglewood Pumping Stn	Region of Peel
RG 42	Caledon Reservoir	Region of Peel
RG 45	Bolton Recycle Center	Region of Peel
RG 46	St. Nicholas	Region of Peel
RG 59	TULLAMORE RESERVOIR	Region of Peel
RG 60	PAULINE VANIER	Region of Peel
RG 62	Alloa Reservoir RG	Region of Peel
St. Hilary	St. Hilary Elementary School	Region of Peel
Victoria Yard	Victoria Yard	Region of Peel
STN 01	Lakeview	Mississauga
STN 03	Wolfedale	Mississauga
STN 04	Mississauga Central	Mississauga
STN 05	Winding Trail	Mississauga
STN 06	Mississauga Valley	Mississauga
STN 07	Streetsville	Mississauga
STN 08	Tomken	Mississauga
STN 12	CVC	Mississauga
STN 13	Goreway	Mississauga
STN 14	Port Credit	Mississauga
TOR_RG-001	Swansea Hall	City of Toronto
TOR_RG-002	High Park	City of Toronto
TOR_RG-003	Fire Station 315	City of Toronto
TOR_RG-004	High Level PS	City of Toronto
TOR_RG-006	Allan Gardens	City of Toronto
TOR_RG-007	Greenwood	City of Toronto
TOR_RG-012	Albion	City of Toronto
TOR_RG-013	Martin Grove	City of Toronto
TOR_RG-014	Richview	City of Toronto
TOR_RG-015	Bering	City of Toronto
TOR_RG-016	Kipling	City of Toronto
TOR_RG-017	Castle Field Yard	City of Toronto
TOR_RG-018	Thorncliffe	City of Toronto
TOR_RG-019	Jane	City of Toronto
TOR_RG-020	Finch Yard	City of Toronto
TOR_RG-021	Emery Yard	City of Toronto
TOR_RG-022	Fire Station 116	City of Toronto
TOR_RG-023	Bermondsey Yard	City of Toronto
TOR_RG-024	Wilson	City of Toronto
TOR_RG-025	Ancaster	City of Toronto
TOR_RG-028	Cummer	City of Toronto

Gauge ID	Gauge Name	Source
TOR_RG-030	Brookbanks	City of Toronto
TOR_RG-031	L'Amoreaux	City of Toronto
TOR_RG-033	Nashdene Yard	City of Toronto
TOR_RG-034	Ellesmere Yard	City of Toronto
TOR_RG-036	Ashbridges Bay	City of Toronto
TOR_RG-037	Edwards Gardens	City of Toronto
TOR_RG-038	Fire Station 215	City of Toronto
TOR_RG-039	North Toronto Memorial	City of Toronto
TOR_RG-040	Denton	City of Toronto
TOR_RG-041	Heron Park	City of Toronto
TOR_RG-042	Don Montgomery	City of Toronto
TOR_RG-044	Fire Station 121	City of Toronto
TOR_RG-045	Fairbank Memorial	City of Toronto
TOR_RG-046	Fire Station 415	City of Toronto
TOR_RG-047	Glen Long	City of Toronto
TOR_RG-048	Etobicoke	City of Toronto
TOR_RG-049	Fire Station 422	City of Toronto
TOR_RG-051	Goulding	City of Toronto
TOR_RG-052	Etobicoke Olympium	City of Toronto
TOR_RG-054	Fire Station 442	City of Toronto
TOR_RG-056	Fire Station 142	City of Toronto
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	City of Toronto
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	City of Toronto
TOR_RG-059	BEACHES RECREATION CENTRE	City of Toronto
TOR_RG-060	MALVERN RECREATION CENTRE	City of Toronto
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	City of Toronto
TOR_RG-062	Harwood Hall	City of Toronto
R-YR-AU-01	242 St John's Sideroad	York
R-YR-AU-02	14019 Bathurst St.	York
R-YR-AU-06	125 Wellington Street West	York
R-YR-AU-07	14875 Bayview Ave.	York
R-YR-AU-09	1400 Wellington Street East	York
R-YR-KI-03	65 Janet Ave.	York
R-YR-KI-07	5 Dillane Drive	York
R-YR-KI-08	25 King Boulevard	York
R-YR-MA-01	7021 Leslie Street	York
R-YR-MA-03	2401 Denison St.	York
R-YR-MA-19	10 Riviera Dr.	York
R-YR-MA-20	30 John Allen Cameron St.	York
R-YR-NE-07	875 Stonehaven	York

Gauge ID	Gauge Name	Source
R-YR-RH-01	500 Major Mackenzie Drive East.	York
R-YR-RH-10	124 Blackmore Avenue	York
R-YR-RH-15	201 Yorkland Street	York
R-YR-VA-01	4738 Steeles Ave. W.	York
R-YR-VA-02	2850 Rutherford Rd.	York
R-YR-VA-03	4630 Langstaff Rd.	York
R-YR-VA-04	10299 Hwy 27	York
R-YR-VA-09	11 Aviva Park Dr.	York
R-YR-VA-10	130 McCleary Crt.	York
R-YR-VA-11	11201 Keele St.	York
R-YR-VA-13	10190 Keele Street	York
R-YR-VA-16	900 Teston Rd.	York
R-YR-VA-22	300 Rosedale Heights	York
R-YR-VA-23	60 Burwick	York
R-YR-VA-24	121 Joseph Aaron Blvd	York
R-YR-VA-26	360 Thomas Cook Avenue	York
R-YR-VA-27	115 Starling Blvd	York
R-YR-VA-28	675 Vellore Park Avenue	York
R-YR-WS-05	100 Weldon Rd.	York
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	York
R-MUN-MA-05	Thornhill C.C.	Markham
R-MUN-MA-07	Stornoway P.S.	Markham
R-MUN-MA-08	German Mills P.S.	Markham
R-MUN-MA-09	Lincoln Alexander P.S.	Markham
R-MUN-MA-11	Milliken Mills C.C.	Markham
R-MUN-MA-12	Markham Museum	Markham
R-MUN-MA-13	Roy H Crosby P.S.	Markham
R-MUN-MA-14	8100 Warden Ave	Markham
R-MUN-MA-15	Rouge River C.C.	Markham
R-MUN-MA-16	Fire Hall #94	Markham
R-MUN-MA-18	Angus Glen C.C.	Markham
R-MUN-MA-21	Parkland P.S.	Markham
R-MUN-MA-22	11091 Warden Ave	Markham

The 170 rain gauges and the one NWS NEXRAD radars are used to produce gauge-adjusted radar rainfall (GARR). The methodology used in the production of GARR is described below followed by a metadata section.

Methodology

Statistical control of the data makes radar rainfall measurements more accurate. By statistical comparison between the radar and rain gauge accumulations during a GARR period, certain gauges may be identified as statistical outliers and excluded for all or part of an event. Radar data is enhanced by correcting it for systematic errors called bias, which helps improve the accuracy of the rainfall product. The bias correction factors are multiplicative factors applied to the radar that enhances the accuracy of the radar rainfall for any accumulation period. By adjusting the radar data with rain gauge data, better maps of rainfall are produced than either sensor system could produce alone.

In the production of GARR, radar rainfall is bias corrected through comparison with rain gauge accumulations. To the extent possible, individual gauges are combined to cover the target area for use in bias adjustment. The method of adjustment depends on the hydrologic application and the spatial extent of the area of interest. The local bias (LB) approach to adjusting the radar rainfall uses the ratio of gauge to radar accumulations from surrounding gauges with the closest gauge having the most weight. The LB approach distributes the variation of bias over the region, and is computed and applied within each event period.

The LB uses the ratio between the sum of each gauge divided by the sum of the sampled radar values over each gauge. Gauge and radar accumulations were computed for each event period. A minimum storm total threshold (MSTT) check was used to remove radar/gauge (RG) pairs whose R or G cumulative values for a given event period were below a chosen threshold (i.e. 0.05 inches for this study). The remaining RG pairs were then checked for statistical outliers. Those RG pairs with individual bias (G/R) or average difference ((G-R)/G)) values greater than three standard deviations from the mean were then excluded from being used to adjust the radar.

After RG pairs have been removed on an event basis by either the MSTT, outlier check or gauge performance review, there must be at least three remaining RG pairs to proceed with gauge-adjustment of the radar. The individual biases of the remaining RG pairs are then distributed spatially over the analysis area using the LB weighted distance method. The resulting LB value over each radar bin is the multiplicative factor that adjusts the radar. For example, a bias of 1.5 can be interpreted as a 33% underestimation by the radar. The statistical measures reported are 1) average difference (AD) and 2) calibrated average difference (CAD). Both of these statistical measures are expressed as an absolute percentage about the mean of G/R accumulations for each event period. GARR is then spatially aggregated from the final adjusted radar bins to the 1-km^2 pixels using an area-averaged technique.

After bias correction, differences between rain gauge and radar rainfall accumulations can still exist due to sampling differences or local meteorological conditions among other reasons. A major reason for departures is that radar collects data by averaging reflectivity over a 1-degree by 1-km sample volume, while rain gauges measure at a point. Another source of difference is that radar measures above the ground, while rain gauges measure close to the ground. Further, updrafts and downdrafts during storms can decrease or increase rain rates, respectively. However, radar cannot detect local wind effects, while rain gauges can be affected. Differences between the radar data and the rain gauge data are also affected by precipitation processes associated with the type of storm, which also are affected by the season of the year.

Relatively large calibrated average differences should not necessarily be interpreted as evidence that the GARR results are unreliable, particularly when gauge accumulations are small. Because radar precipitation is spatially averaged while rain gauges provide rainfall information at a point location, differences between the two are expected and can be substantial at times even when the GARR still provides a reasonable representation of precipitation across an area.

In addition, the local bias calibration approach limits the influence of localized radar–gauge differences on the results by accounting for spatially varying differences rather than allowing individual poor matches to affect the overall calibration. Therefore, large differences at individual locations can coexist with satisfactory overall performance of the GARR product.

Any additional details regarding the methodology are considered proprietary and will not be included in this report.

Metadata

Data accompanying this document provides a continuous rainfall record of the 2961 1-km^2 pixels for the following periods:

2024/07/15 07:05 EST - 2024/07/17 03:00 EST
2024/08/17 04:05 EST - 2024/08/19 01:00 EST

The data is provided Excel format. A shapefile of the 1-km^2 pixels is located in the Shapefiles subfolder. The data file documentation follows:

Excel metadata:

- Excel file with IDs across the columns and time down the rows.
- Time stamps are in EST.
- Data values represent 5-min accumulation (mm) at end of interval.
- The pixel ID uses the “ID” field from the 1-km pixel shapefile.

Shapefile metadata:

- UTM 1983, Zone 17 (meters)

Gauge-Adjusted Radar Rainfall (GARR)

GARR was processed continuously at five-minute increments for two historical rainfall events. The GARR statistics for each event are listed in Table 2. Both events were split into multiple sub-event periods to improve gauge-adjustment of the radar, resulting in a total of nineteen event and sub-event periods. The events that were split into multiple periods are shown in the **Event#** column with the letter "a", "b", "c", etc. appended to the event number (e.g., E1a, E1b, E1c). The **Source** column shows what rainfall source was used to produce GARR for each event or sub-event period. The listed **Event Date** shown in Table 2 corresponds to the day or portion of the day when most of the rainfall occurred for that GARR event period. Both rainfall events are discussed in more detail in the following Events section.

The **Bias** value shown in Table 2 is the sum of the gauges divided by the sum of the sampled radar values over the gauges. Those rain events with the lowest CAD values shown in Table 2 represent the best agreement between GARR and gauge values for all radar/gauge pairs used to adjust the radar. On average, lower values of CAD imply higher statistical confidence in the reliability of the dataset. Typically, stratiform rainfall events (i.e., low spatial variability) have lower CAD values than convective rainfall events (i.e., high spatial variability).

Table 2. Storm Events and GARR Statistics

Event #	Source	Event Date	Start Time (EST)	End Time (EST)	Gauges Used (170)	Avg. Depth (mm)	Bias	AD (%)	CAD (%)
E1a	KBUF LII	2024-07-16	2024-07-15 07:05	2024-07-15 14:00	152	3.534	0.585	80.8	3.8
E1b	KBUF LII	2024-07-16	2024-07-15 14:05	2024-07-16 00:00	74	5.689	1.513	31.5	7.7
E1c	KBUF LII	2024-07-16	2024-07-16 00:05	2024-07-16 07:00	30	0.981	0.860	40.3	10.3
E1d	KBUF LII	2024-07-16	2024-07-16 07:05	2024-07-16 08:45	110	5.171	1.143	15.4	6.4
E1e	KBUF LII	2024-07-16	2024-07-16 08:50	2024-07-16 09:15	87	3.728	1.402	26.6	8.9
E1f	KBUF LII	2024-07-16	2024-07-16 09:20	2024-07-16 10:00	158	9.456	1.427	24.5	7.0
E1g	KBUF LII	2024-07-16	2024-07-16 10:05	2024-07-16 14:00	165	21.638	1.493	30.2	5.1
E1h	KBUF LII	2024-07-16	2024-07-16 14:05	2024-07-17 03:00	8	0.625	1.462	58.0	7.0
E2a	KBUF LII	2024-08-17	2024-08-17 04:05	2024-08-17 09:30	51	2.051	1.434	30.4	13.7
E2b	KBUF LII	2024-08-17	2024-08-17 09:35	2024-08-17 12:30	98	6.648	1.147	27.4	11.1

Event #	Source	Event Date	Start Time (EST)	End Time (EST)	Gauges Used (170)	Avg. Depth (mm)	Bias	AD (%)	CAD (%)
E2c	KBUF LII	2024-08-17	2024-08-17 12:35	2024-08-17 13:30	118	8.046	1.158	25.3	9.6
E2d	KBUF LII	2024-08-17	2024-08-17 13:35	2024-08-17 14:45	95	5.334	1.170	30.7	9.6
E2e	KBUF LII	2024-08-17	2024-08-17 14:50	2024-08-17 17:00	138	10.565	1.099	22.3	8.7
E2f	KBUF LII	2024-08-17	2024-08-17 17:05	2024-08-17 23:00	61	4.428	0.996	28.1	9.0
E2g	KBUF LII	2024-08-17	2024-08-17 23:05	2024-08-18 09:30	17	1.236	1.739	37.4	11.4
E2h	KBUF LII	2024-08-17	2024-08-18 09:35	2024-08-18 14:00	55	5.539	0.828	57.1	15.0
E2i	KBUF LII	2024-08-17	2024-08-18 14:05	2024-08-18 16:00	69	4.603	1.157	27.1	9.4
E2j	KBUF LII	2024-08-17	2024-08-18 16:05	2024-08-18 19:00	111	3.237	1.110	14.2	6.2
E2k	KBUF LII	2024-08-17	2024-08-18 19:05	2024-08-19 01:00	13	0.517	1.427	57.6	31.2

Statistical review of the data can provide an indication of data quality. Depending on the quality of the radar and gauge data, CAD values for individual events less than 10% are considered excellent, 10 - 20% are considered good, and 20 - 30% are considered fair. However, CAD may not serve as a reliable indicator of data quality when abrupt changes in bias occur within the analysis period, particularly when compensating over- and under-estimation results due to using an assumed Z-R relationship throughout the period while atmospheric conditions merit different Z-R coefficients. The effects from abrupt changes in Z-R are mitigated by splitting the event periods.

Rain gauges were analyzed to identify those that were not consistent with the radar or surrounding gauges. Cumulative Distribution Plots (CDPs) at each gauge location showing gauge, unadjusted radar and GARR values were produced for each rainfall event and are presented in Appendices C - D. CDPs are useful for visualizing rain gauge performance. Figure 2 shows the rainfall accumulation at the Etobicoke Olympium (TOR_RG-052) gauge during the 2024-07-16 event as measured by the gauge (green), unadjusted radar (blue), and gauge-adjusted radar (red). Rain gauges that are not performing consistently with the radar or surrounding gauges have characteristics such as clogs, synchronization or other mechanical/transmission malfunctions that can be visually identified in the CDP graph.

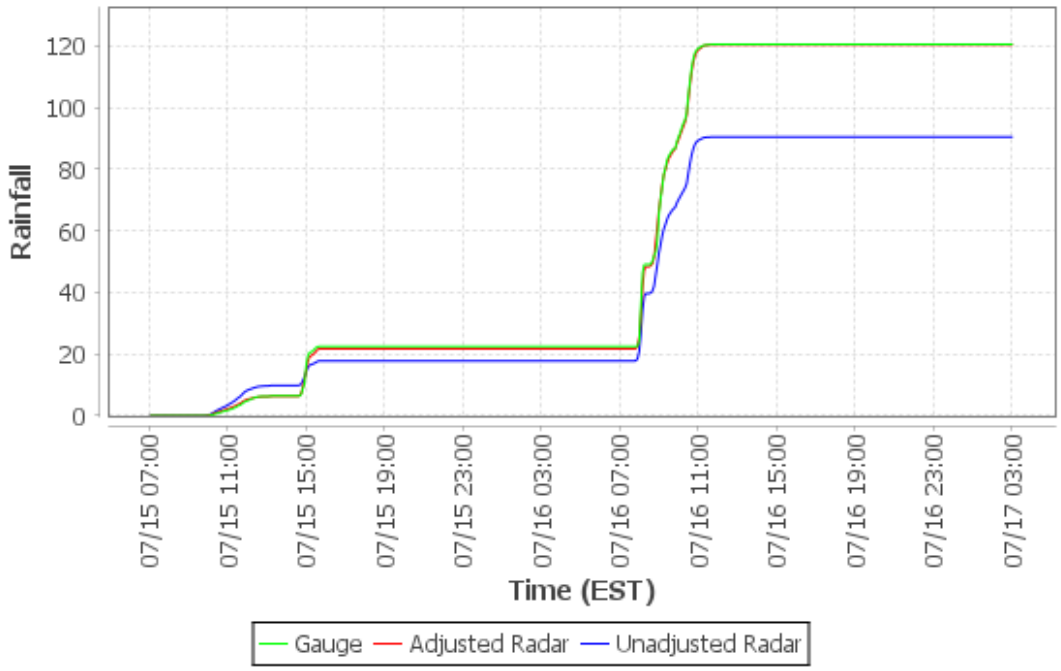


Figure 2. CDP Showing Rain Gauge Versus Unadjusted Radar Versus GARR

Reasons for not using gauges in rainfall analysis include clogs, significant under- or over-reporting of rainfall, gauges that stop reporting during rainfall, or a combination of these reasons. A list of possible reasons for not using a gauge based on CDP analysis is shown in Table 3. Those gauges that were excluded from analysis based on gauge performance are shown in Appendix A. Additional gauges were not used to adjust the radar for a given event or sub-event period if they did not meet the statistical criteria outlined in the Methodology section. A list of reasons for not using a gauge based on statistical criteria is shown in Table 4. The gauges listed in Appendix B did not meet statistical criteria for gauge-adjustment of the radar and were not used to adjust the radar.

Table 3. Reasons for Gauge Exclusion Based on Performance

Reason	Explanation
Clog (C)	Gauge appeared to be clogged
Zero (Z)	Gauge did not report any rainfall while radar rainfall estimates reported significant rainfall
Stop (S)	Gauge appeared to stop reporting rainfall while radar rainfall estimates reported significant rainfall
Over (O)	Gauge appeared to significantly over-report rainfall as compared to radar rainfall estimates and surrounding gauges (e.g. anomalously high rainfall values caused by field calibration, data transmission error, or switch malfunctions)
Under (U)	Gauge appeared to significantly under-report as compared to radar rainfall estimates and surrounding Gauges (e.g. half-tipper)
Sync (SY)	Gauge appeared to be reporting out-of-sync with the radar rainfall estimates
Frozen/Melt (F/M)	Gauge not reporting properly due to frozen or melting precipitation
Other (T)	Combination of multiple reasons
No Data (ND)	Gauge reported "no data" for a significant amount of time

Table 4. Reasons for Gauge Exclusion Based on Statistical Criteria

Reason	Explanation
Minimum Storm Total Threshold (MSTT)	The radar or gauge cumulative sum during the event or sub-event period was less than MSTT
Outlier Based on Mean Field Bias (OMFB)	The RG pair bias (G/R) was greater than three standard deviations from the mean bias (e.g. G>>R)
Outlier Based on Average Difference (OAD)	The RG pair average difference ((G-R)/G)) was greater than three standard deviations from the mean average difference (e.g. G<<R)

A synopsis for each event is described below in terms of the specific processing protocol applied to each event period as well as specific GARR information.

Events

Event 1: 2024-07-16

The analysis period was from 2024-07-15 07:00 EST to 2024-07-17 03:00 EST. The event was then split into eight sub-event periods at 2024-07-15 14:00 EST, 2024-07-16 00:00 EST, 2024-07-16 07:00 EST, 2024-07-16 08:45 EST, 2024-07-16 09:15 EST, 2024-07-16 10:00 EST and 2024-07-16 14:00 EST to improve gauge adjustment of the radar.

The gauges listed in Appendix A were not used to adjust the radar due to inconsistencies between the gauge and the radar or surrounding gauges, or they did not have data available for this event. The gauges listed in Appendix B were not used to adjust the radar since they did not meet statistical criteria for gauge-adjustment.

A convective Z-R relationship was used to convert radar reflectivity to rainfall rates. Table 5 shows the mean bias and average depth of the event along with the AD and CAD, respectively. Tables 6 - 13 summarize the results for each RG pair used for final radar adjustment, where G_i is the gauge estimate, R_i is the non-adjusted radar estimate, R_i* is the GARR estimate, and Diff* (%) is the percent difference between the gauge and GARR estimate. Those gauges not used to adjust the radar are shown at the bottom of the table and are highlighted in red. The specific reason for gauge exclusion is displayed in the Flag column. Figures 3 - 10 show the scatter plots of the gauge-adjusted RG pairs. Those gauges not used to adjust the radar are shown in red. Figure 11 depicts the GARR storm total over the 1-km^2 pixels. The GARR amounts for the 2961 1-km^2 pixels range from 9.5 - 130.3 millimeters with a mean of 50.8 millimeters.

Table 5. GARR Statistics for Event 1

Event #	Radar	Event Date	Start Time (EST)	End Time (EST)	Gauges Used (170)	Avg. Depth (mm)	Bias	AD (%)	CAD (%)
E1a	KBUF LII	2024-07-16	2024-07-15 07:05	2024-07-15 14:00	152	3.534	0.585	80.8	3.8
E1b	KBUF LII	2024-07-16	2024-07-15 14:05	2024-07-16 00:00	74	5.689	1.513	31.5	7.7

Event #	Radar	Event Date	Start Time (EST)	End Time (EST)	Gauges Used (170)	Avg. Depth (mm)	Bias	AD (%)	CAD (%)
E1c	KBUF LII	2024-07-16	2024-07-16 00:05	2024-07-16 07:00	30	0.981	0.860	40.3	10.3
E1d	KBUF LII	2024-07-16	2024-07-16 07:05	2024-07-16 08:45	110	5.171	1.143	15.4	6.4
E1e	KBUF LII	2024-07-16	2024-07-16 08:50	2024-07-16 09:15	87	3.728	1.402	26.6	8.9
E1f	KBUF LII	2024-07-16	2024-07-16 09:20	2024-07-16 10:00	158	9.456	1.427	24.5	7.0
E1g	KBUF LII	2024-07-16	2024-07-16 10:05	2024-07-16 14:00	165	21.638	1.493	30.2	5.1
E1h	KBUF LII	2024-07-16	2024-07-16 14:05	2024-07-17 03:00	8	0.625	1.462	58.0	7.0

Table 6. Summary of Individual RG Pairs for Event 1a

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-24	121 Joseph Aaron Blvd	2.60	6.10	3.15	-0.55	-21.2	
TOR_RG-062	Harwood Hall	3.39	7.38	4.03	-0.64	-18.9	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	1.60	4.60	1.82	-0.22	-13.7	
R-YR-VA-23	60 Burwick	2.40	5.75	2.68	-0.28	-11.7	
HY044	Milne Dam	4.20	7.18	4.68	-0.48	-11.4	
TOR_RG-016	Kipling	4.52	6.61	5.00	-0.48	-10.6	
TOR_RG-041	Heron Park	3.56	5.48	3.92	-0.36	-10.1	
RG 32	RESERVOIR - AIRPORT	2.80	6.57	3.07	-0.27	-9.6	
HY021	Dufferin Reservoir	1.90	4.59	2.08	-0.18	-9.5	
TOR_RG-004	High Level PS	3.76	6.25	4.11	-0.35	-9.3	
R-YR-MA-19	10 Riviera Dr.	4.20	7.31	4.58	-0.38	-9.0	
HY008	Brickworks	4.03	6.22	4.36	-0.33	-8.2	
TOR_RG-060	MALVERN RECREATION CENTRE	5.25	9.29	5.67	-0.42	-8.0	
HY070	York Region Works Yard	2.40	4.90	2.58	-0.18	-7.5	
R-YR-VA-27	115 Starling Blvd	1.80	4.32	1.92	-0.12	-6.7	
TOR_RG-031	L'Amoreaux	5.18	8.73	5.51	-0.33	-6.4	
R-MUN-MA-11	Milliken Mills C.C.	4.60	7.58	4.89	-0.29	-6.3	
RG 34	MCVEAN SEWAGE PUMPING	3.00	6.48	3.19	-0.19	-6.3	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY088	The Village at Black Creek	3.20	6.49	3.40	-0.20	-6.2	
TOR_RG-021	Emery Yard	3.38	7.06	3.59	-0.21	-6.2	
R-YR-VA-26	360 Thomas Cook Avenue	1.80	4.36	1.91	-0.11	-6.1	
Victoria Yard	Victoria Yard	3.40	7.16	3.59	-0.19	-5.6	
HY055	Restoration Services	2.20	4.85	2.32	-0.12	-5.5	
R-YR-RH-01	500 Major Mackenzie Drive East.	2.00	4.30	2.11	-0.11	-5.5	
TOR_RG-028	Cummer	4.77	7.99	5.01	-0.24	-5.0	
RG 36	CHINGUACOUSY LEACHATE PUMPING	2.80	6.33	2.93	-0.13	-4.6	
STN 06	Mississauga Valley	6.20	9.15	6.48	-0.28	-4.5	
R-YR-MA-01	7021 Leslie Street	4.60	7.60	4.80	-0.20	-4.3	
RG 59	TULLAMORE RESERVOIR	2.40	5.75	2.50	-0.10	-4.2	
Copper Road RG	Copper Road	4.40	8.92	4.58	-0.18	-4.1	
R-MUN-MA-13	Roy H Crosby P.S.	4.40	7.06	4.58	-0.18	-4.1	
TOR_RG-018	Thorncliffe	4.55	6.89	4.72	-0.17	-3.7	
HY130	Elmbank Community Centre	3.65	7.76	3.78	-0.13	-3.6	
RG 60	PAULINE VANIER	5.40	9.46	5.58	-0.18	-3.3	
R-YR-WS-05	100 Weldon Rd.	2.00	3.85	2.06	-0.06	-3.0	
RG 20	PEEL/YORK ODOUR CONTROL	4.00	8.11	4.12	-0.12	-3.0	
TOR_RG-039	North Toronto Memorial	4.60	7.91	4.74	-0.14	-3.0	
TOR_RG-049	Fire Station 422	3.83	7.07	3.94	-0.11	-2.9	
STN 05	Winding Trail	5.99	9.13	6.16	-0.17	-2.8	
R-YR-VA-04	10299 Hwy 27	2.20	4.85	2.26	-0.06	-2.7	
TOR_RG-037	Edwards Gardens	5.29	8.64	5.43	-0.14	-2.6	
TOR_RG-033	Nashdene Yard	6.39	9.97	6.55	-0.16	-2.5	
TOR_RG-046	Fire Station 415	4.33	8.68	4.44	-0.11	-2.5	
R-YR-VA-10	130 McCleary Crt.	2.60	5.39	2.66	-0.06	-2.3	
RG 16	Hanlan	5.80	9.70	5.93	-0.13	-2.2	
RG 45	Bolton Recycle Center	1.80	4.75	1.84	-0.04	-2.2	
HY011	Bruces Mill CA	1.50	3.14	1.53	-0.03	-2.0	
HY002	Albion Hills	2.10	6.10	2.14	-0.04	-1.9	
R-YR-RH-15	201 Yorkland Street	1.60	3.51	1.63	-0.03	-1.9	
RG 29	RESERVOIR - NORTH BRAMPTON	3.60	7.42	3.67	-0.07	-1.9	
RG 24	MULLET CREEK SEWAGE	5.60	9.51	5.70	-0.10	-1.8	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-MUN-MA-18	Angus Glen C.C.	3.00	5.27	3.05	-0.05	-1.7	
R-MUN-MA-22	11091 Warden Ave	2.20	4.24	2.23	-0.03	-1.4	
R-YR-VA-11	11201 Keele St.	1.60	3.61	1.62	-0.02	-1.3	
RG 31	East Brampton Res	3.80	7.84	3.85	-0.05	-1.3	
R-MUN-MA-12	Markham Museum	4.00	6.23	4.05	-0.05	-1.2	
STN 07	Streetsville	5.80	8.61	5.87	-0.07	-1.2	
TOR_RG-042	Don Montgomery	4.15	6.15	4.20	-0.05	-1.2	
TOR_RG-012	Albion	3.64	7.57	3.68	-0.04	-1.1	
R-YR-VA-02	2850 Rutherford Rd.	2.00	4.63	2.02	-0.02	-1.0	
TOR_RG-034	Ellesmere Yard	5.82	9.21	5.88	-0.06	-1.0	
TOR_RG-015	Bering	4.50	7.15	4.54	-0.04	-0.9	
TOR_RG-044	Fire Station 121	5.28	9.03	5.33	-0.05	-0.9	
TOR_RG-048	Etobicoke	5.47	8.62	5.52	-0.05	-0.9	
R-YR-MA-20	30 John Allen Cameron St.	4.80	6.84	4.84	-0.04	-0.8	
RG 26	McLaughlin - Chris Gibson Recreation Centre	5.00	9.49	5.04	-0.04	-0.8	
HY102	Petticoat Works Yard	5.00	6.68	5.03	-0.03	-0.6	
HY122	Durham Works Yard	3.50	6.31	3.52	-0.02	-0.6	
RG 39	Inglewood Pumping Stn	3.80	7.56	3.82	-0.02	-0.5	
TOR_RG-045	Fairbank Memorial	4.25	7.44	4.27	-0.02	-0.5	
RG 25	RESERVOIR - BECKETT SPROULE	4.60	9.05	4.62	-0.02	-0.4	
TOR_RG-017	Castle Field Yard	4.51	8.08	4.53	-0.02	-0.4	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	5.54	8.92	5.56	-0.02	-0.4	
HY124	Claremont Nature Centre	3.00	5.35	3.01	-0.01	-0.3	
HY003	Alex Duff Memorial Pool	4.00	6.08	4.01	-0.01	-0.2	
HY004	Bayly and Church	4.80	7.32	4.81	-0.01	-0.2	
RG 62	Alloa Reservoir RG	4.40	9.08	4.41	-0.01	-0.2	
TOR_RG-051	Goulding	4.40	7.62	4.41	-0.01	-0.2	
CALEDON EAST RG	Caledon East	3.00	6.98	3.00	0.00	0.0	
HY030	Glen Haffy	2.80	7.52	2.80	0.00	0.0	
HY031	Goodwood Pumping Station	1.60	2.80	1.60	0.00	0.0	
HY038	East Humber at Mill Road	1.60	3.88	1.60	0.00	0.0	
HY063	Transport Canada	3.00	5.25	3.00	0.00	0.0	
R-YR-KI-03	65 Janet Ave.	1.60	3.87	1.60	0.00	0.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-RH-10	124 Blackmore Avenue	3.00	5.22	3.00	0.00	0.0	
RG 42	Caledon Reservoir	4.60	10.46	4.60	0.00	0.0	
TOR_RG-023	Bermondsey Yard	5.24	7.73	5.24	0.00	0.0	
TOR_RG-024	Wilson	5.61	9.87	5.61	0.00	0.0	
St. Hilary	St. Hilary Elementary School	6.80	9.69	6.79	0.01	0.1	
HY046	Mississauga Works Yard	4.70	8.93	4.69	0.01	0.2	
TOR_RG-014	Richview	5.56	9.66	5.55	0.01	0.2	
HY094	Broadlands Community Centre	5.80	8.91	5.78	0.02	0.3	
HY121	Balsam at 407	3.00	5.29	2.99	0.01	0.3	
R-MUN-MA-07	Stornoway P.S.	3.60	5.73	3.59	0.01	0.3	
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	3.58	5.15	3.57	0.01	0.3	
HY009	Brock West Landfill	4.80	6.86	4.78	0.02	0.4	
R-YR-VA-13	10190 Keele Street	1.80	4.09	1.79	0.01	0.6	
R-YR-VA-28	675 Vellore Park Avenue	1.80	4.02	1.79	0.01	0.6	
RG 23	BRITANNIA LEACHATE PUMPING	6.40	9.15	6.36	0.04	0.6	
HY096	Caledon East Soccer Complex	2.80	6.48	2.78	0.02	0.7	
STN 01	Lakeview	6.40	7.27	6.34	0.06	0.9	
TOR_RG-003	Fire Station 315	4.20	5.96	4.16	0.04	1.0	
TOR_RG-022	Fire Station 116	5.68	9.06	5.61	0.07	1.2	
TOR_RG-052	Etobicoke Olympium	6.43	9.84	6.35	0.08	1.2	
RG 27	RESERVOIR - WEST BRAMPTON	6.20	10.41	6.12	0.08	1.3	
STN 08	Tomken	5.32	9.32	5.24	0.08	1.5	
TOR_RG-054	Fire Station 442	5.49	9.50	5.39	0.10	1.8	
R-YR-MA-03	2401 Denison St.	5.40	7.99	5.30	0.10	1.9	
TOR_RG-013	Martin Grove	5.73	10.15	5.61	0.12	2.1	
TOR_RG-025	Ancaster	5.34	8.93	5.22	0.12	2.2	
STN 13	Goreway	4.46	8.44	4.35	0.11	2.5	
HY027	G Ross Dam	4.40	7.84	4.28	0.12	2.7	
HY033	Heart Lake CA	4.00	7.79	3.89	0.11	2.7	
RG 22	Bramalea - Fire Station 202	4.40	8.46	4.28	0.12	2.7	
R-YR-VA-01	4738 Steeles Ave. W.	3.20	6.45	3.11	0.09	2.8	
HY060	Stouffville Dam	2.02	3.63	1.96	0.06	3.0	
RG 46	St. Nicholas	2.00	4.87	1.94	0.06	3.0	
TOR_RG-001	Swansea Hall	4.02	6.56	3.90	0.12	3.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY087	Westmount Park	5.40	9.20	5.22	0.18	3.3	
R-MUN-MA-09	Lincoln Alexander P.S.	3.00	5.24	2.90	0.10	3.3	
TOR_RG-047	Glen Long	5.02	8.44	4.85	0.17	3.4	
HY041	Tullamore	2.70	5.94	2.60	0.10	3.7	
HY043	Little Rouge at 16th	4.80	6.37	4.61	0.19	4.0	
TOR_RG-020	Finch Yard	4.33	7.63	4.15	0.18	4.2	
R-YR-VA-16	900 Teston Rd.	1.80	3.71	1.72	0.08	4.4	
HY036	Kennedy Pump Station	5.60	8.45	5.35	0.25	4.5	
TOR_RG-019	Jane	3.73	6.72	3.56	0.17	4.6	
GE Booth	GE Booth WWTP	7.20	7.82	6.86	0.34	4.7	
HY099	Rathwood	7.20	10.21	6.86	0.34	4.7	
R-YR-VA-09	11 Aviva Park Dr.	3.20	6.00	3.05	0.15	4.7	
STN 12	CVC	6.02	9.05	5.73	0.29	4.8	
TOR_RG-040	Denton	5.00	5.87	4.76	0.24	4.8	
R-YR-VA-03	4630 Langstaff Rd.	2.60	5.12	2.47	0.13	5.0	
TOR_RG-002	High Park	4.17	6.12	3.95	0.22	5.3	
TOR_RG-056	Fire Station 142	4.84	8.32	4.57	0.27	5.6	
TOR_RG-038	Fire Station 215	4.41	5.53	4.15	0.26	5.9	
HY086	RL Clark WTP	6.33	7.34	5.95	0.38	6.0	
STN 03	Wolfedale	7.00	8.25	6.58	0.42	6.0	
R-MUN-MA-14	8100 Warden Ave	4.75	7.00	4.46	0.29	6.1	
HY050	Morningside Works Yard	4.80	6.32	4.48	0.32	6.7	
R-MUN-MA-15	Rouge River C.C.	5.75	7.86	5.34	0.41	7.1	
TOR_RG-007	Greenwood	5.87	6.99	5.45	0.42	7.2	
R-MUN-MA-16	Fire Hall #94	4.25	6.15	3.94	0.31	7.3	
HY061	Sue Grange Farm	3.80	7.00	3.52	0.28	7.4	
R-MUN-MA-08	German Mills P.S.	5.25	7.60	4.80	0.45	8.6	
R-MUN-MA-05	Thornhill C.C.	4.50	6.44	4.09	0.41	9.1	
R-MUN-MA-21	Parkland P.S.	6.50	8.68	5.88	0.62	9.5	
HY039	Kortright	2.40	4.58	2.17	0.23	9.6	
R-YR-VA-22	300 Rosedale Heights	3.40	5.56	3.07	0.33	9.7	
HY067	West Humber at Hwy7	3.60	6.56	3.22	0.38	10.6	
HY037	King and Albion-Vaughan	2.00	4.42	1.78	0.22	11.0	
TOR_RG-006	Allan Gardens	6.02	6.81	5.13	0.89	14.8	
HY016	Danforth and Coxwell	3.20	---	---	---	---	S
HY069	York Pumping Station	1.20	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY083	Oak Ridges	1.10	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.40	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.80	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.40	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.20	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.48	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.40	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	1.20	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.40	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	1.00	---	---	---	---	MSTT
STN 04	Mississauga Central	2.81	---	---	---	---	S
STN 14	Port Credit	11.58	---	---	---	---	OMFB
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-036	Ashbridges Bay	8.43	---	---	---	---	OMFB
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	10.06	---	---	---	---	OMFB
TOR_RG-059	BEACHES RECREATION CENTRE	7.59	---	---	---	---	T

Table 7. Summary of Individual RG Pairs for Event 1b

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-031	L'Amoreaux	5.12	6.41	7.10	-1.98	-38.7	
TOR_RG-037	Edwards Gardens	15.15	13.60	18.65	-3.50	-23.1	
HY003	Alex Duff Memorial Pool	21.60	17.84	26.34	-4.74	-21.9	
R-MUN-MA-15	Rouge River C.C.	2.75	2.51	3.28	-0.53	-19.3	
TOR_RG-045	Fairbank Memorial	15.27	11.96	18.00	-2.73	-17.9	
HY008	Brickworks	25.51	19.88	29.73	-4.22	-16.5	
R-YR-MA-03	2401 Denison St.	2.40	2.15	2.79	-0.39	-16.3	
STN 05	Winding Trail	6.47	4.61	7.45	-0.98	-15.1	
TOR_RG-024	Wilson	14.48	10.93	16.66	-2.18	-15.1	
TOR_RG-013	Martin Grove	17.30	13.33	19.79	-2.49	-14.4	
STN 08	Tomken	6.48	5.67	7.40	-0.92	-14.2	
TOR_RG-015	Bering	13.41	9.69	15.25	-1.84	-13.7	
TOR_RG-039	North Toronto Memorial	20.29	16.30	22.41	-2.12	-10.4	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 23	BRITANNIA LEACHATE PUMPING	6.60	4.92	7.24	-0.64	-9.7	
HY094	Broadlands Community Centre	23.70	18.16	25.83	-2.13	-9.0	
STN 06	Mississauga Valley	10.80	7.53	11.76	-0.96	-8.9	
GE Booth	GE Booth WWTP	25.40	17.13	27.58	-2.18	-8.6	
RG 24	MULLET CREEK SEWAGE	4.20	5.41	4.55	-0.35	-8.3	
TOR_RG-049	Fire Station 422	16.33	11.26	17.59	-1.26	-7.7	
TOR_RG-016	Kipling	18.73	12.74	20.13	-1.40	-7.5	
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	22.73	16.09	24.24	-1.51	-6.6	
TOR_RG-036	Ashbridges Bay	19.49	13.39	20.69	-1.20	-6.2	
TOR_RG-025	Ancaster	13.43	9.14	14.22	-0.79	-5.9	
TOR_RG-038	Fire Station 215	7.70	6.29	8.10	-0.40	-5.2	
TOR_RG-001	Swansea Hall	24.07	16.41	25.21	-1.14	-4.7	
RG 60	PAULINE VANIER	4.00	3.94	4.15	-0.15	-3.8	
R-MUN-MA-14	8100 Warden Ave	2.50	1.87	2.57	-0.07	-2.8	
TOR_RG-041	Heron Park	9.55	7.10	9.79	-0.24	-2.5	
HY016	Danforth and Coxwell	27.20	17.62	27.86	-0.66	-2.4	
R-MUN-MA-21	Parkland P.S.	5.00	3.97	5.07	-0.07	-1.4	
HY043	Little Rouge at 16th	2.40	1.82	2.43	-0.03	-1.3	
HY122	Durham Works Yard	2.30	2.69	2.32	-0.02	-0.9	
HY004	Bayly and Church	16.40	14.44	16.41	-0.01	-0.1	
HY031	Goodwood Pumping Station	8.20	4.74	8.20	0.00	0.0	
HY102	Petticoat Works Yard	9.20	7.39	9.19	0.01	0.1	
TOR_RG-040	Denton	24.65	15.28	24.62	0.03	0.1	
HY009	Brock West Landfill	10.80	9.22	10.76	0.04	0.4	
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	13.00	8.06	12.89	0.11	0.8	
R-MUN-MA-12	Markham Museum	2.40	1.60	2.37	0.03	1.2	
TOR_RG-017	Castle Field Yard	13.27	8.29	13.10	0.17	1.3	
STN 07	Streetsville	8.20	5.80	8.07	0.13	1.6	
TOR_RG-034	Ellesmere Yard	30.44	18.95	29.80	0.64	2.1	
TOR_RG-042	Don Montgomery	24.00	14.22	23.49	0.51	2.1	
TOR_RG-033	Nashdene Yard	14.11	10.81	13.75	0.36	2.6	
TOR_RG-060	MALVERN RECREATION CENTRE	23.79	16.22	23.16	0.63	2.6	
STN 12	CVC	7.87	7.02	7.65	0.22	2.8	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-004	High Level PS	29.45	19.74	28.56	0.89	3.0	
STN 03	Wolfedale	27.40	15.72	26.55	0.85	3.1	
R-MUN-MA-13	Roy H Crosby P.S.	2.00	1.36	1.93	0.07	3.5	
STN 14	Port Credit	10.92	5.59	10.51	0.41	3.8	
TOR_RG-014	Richview	16.76	9.77	16.11	0.65	3.9	
STN 01	Lakeview	28.60	17.02	27.43	1.17	4.1	
TOR_RG-052	Etobicoke Olympium	16.06	7.94	15.35	0.71	4.4	
HY050	Morningside Works Yard	17.40	11.73	16.61	0.79	4.5	
HY087	Westmount Park	17.40	9.91	16.54	0.86	4.9	
TOR_RG-022	Fire Station 116	24.34	13.81	23.15	1.19	4.9	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	20.15	12.40	19.17	0.98	4.9	
TOR_RG-003	Fire Station 315	24.02	15.04	22.62	1.40	5.8	
RG 16	Hanlan	16.20	9.96	15.25	0.95	5.9	
TOR_RG-054	Fire Station 442	22.33	12.88	21.00	1.33	6.0	
HY099	Rathwood	11.90	6.73	11.18	0.72	6.1	
TOR_RG-023	Bermondsey Yard	28.26	17.07	26.27	1.99	7.0	
TOR_RG-007	Greenwood	28.89	17.08	26.82	2.07	7.2	
TOR_RG-062	Harwood Hall	16.48	9.47	15.05	1.43	8.7	
TOR_RG-018	Thorncliffe	33.13	19.54	30.17	2.96	8.9	
HY086	RL Clark WTP	31.44	17.69	28.62	2.82	9.0	
TOR_RG-044	Fire Station 121	25.88	12.26	23.43	2.45	9.5	
St. Hilary	St. Hilary Elementary School	8.40	4.65	7.56	0.84	10.0	
TOR_RG-006	Allan Gardens	34.52	19.82	30.66	3.86	11.2	
TOR_RG-047	Glen Long	15.51	8.73	13.70	1.81	11.7	
TOR_RG-048	Etobicoke	14.72	6.76	12.87	1.85	12.6	
TOR_RG-002	High Park	24.82	13.75	21.34	3.48	14.0	
HY044	Milne Dam	2.20	1.34	1.89	0.31	14.1	
R-MUN-MA-11	Milliken Mills C.C.	2.80	1.76	2.35	0.45	16.1	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.20	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	0.00	---	---	---	---	MSTT
Copper Road RG	Copper Road	0.40	---	---	---	---	MSTT
HY002	Albion Hills	0.00	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.20	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY021	Dufferin Reservoir	0.20	---	---	---	---	MSTT
HY027	G Ross Dam	0.80	---	---	---	---	MSTT
HY030	Glen Haffy	0.20	---	---	---	---	MSTT
HY033	Heart Lake CA	0.20	---	---	---	---	MSTT
HY036	Kennedy Pump Station	0.60	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.00	---	---	---	---	MSTT
HY039	Kortright	0.00	---	---	---	---	MSTT
HY041	Tullamore	0.00	---	---	---	---	MSTT
HY046	Mississauga Works Yard	1.20	---	---	---	---	MSTT
HY055	Restoration Services	0.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.00	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.00	---	---	---	---	MSTT
HY063	Transport Canada	0.20	---	---	---	---	MSTT
HY067	West Humber at Hwy7	0.00	---	---	---	---	MSTT
HY069	York Pumping Station	0.00	---	---	---	---	MSTT
HY070	York Region Works Yard	0.00	---	---	---	---	MSTT
HY083	Oak Ridges	2.10	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.00	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	0.30	---	---	---	---	MSTT
HY124	Claremont Nature Centre	1.00	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.34	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	1.50	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.25	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	1.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.20	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.00	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.00	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.00	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.00	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.40	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.00	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.20	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-KI-07	5 Dillane Drive	0.20	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	0.00	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.40	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	1.40	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	1.40	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.00	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.20	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.00	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	0.00	---	---	---	---	MSTT
R-YR-VA-01	4738 Steeles Ave. W.	0.00	---	---	---	---	MSTT
R-YR-VA-02	2850 Rutherford Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.20	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.00	---	---	---	---	MSTT
R-YR-VA-09	11 Aviva Park Dr.	0.40	---	---	---	---	MSTT
R-YR-VA-10	130 McCleary Crt.	0.00	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	0.20	---	---	---	---	MSTT
R-YR-VA-13	10190 Keele Street	0.00	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.00	---	---	---	---	MSTT
R-YR-VA-23	60 Burwick	0.20	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.20	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	0.60	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	0.00	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.00	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.00	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.00	---	---	---	---	MSTT
RG 20	PEEL/YORK ODOUR CONTROL	0.80	---	---	---	---	MSTT
RG 22	Bramalea - Fire Station 202	0.20	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.40	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.40	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.40	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 29	RESERVOIR - NORTH BRAMPTON	0.00	---	---	---	---	MSTT
RG 31	East Brampton Res	0.00	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	0.00	---	---	---	---	MSTT
RG 34	MCVEAN SEWAGE PUMPING	0.00	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.20	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	0.20	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.00	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.00	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.00	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.20	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	Z
STN 13	Goreway	1.56	---	---	---	---	MSTT
TOR_RG-012	Albion	0.40	---	---	---	---	MSTT
TOR_RG-019	Jane	0.00	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.39	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.04	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.39	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-046	Fire Station 415	0.62	---	---	---	---	MSTT
TOR_RG-051	Goulding	0.26	---	---	---	---	MSTT
TOR_RG-056	Fire Station 142	0.41	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	24.14	---	---	---	---	T
Victoria Yard	Victoria Yard	0.20	---	---	---	---	MSTT

Table 8. Summary of Individual RG Pairs for Event 1c

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-NE-07	875 Stonehaven	5.20	11.62	7.45	-2.25	-43.3	
R-YR-MA-03	2401 Denison St.	3.20	3.66	4.25	-1.05	-32.8	
R-MUN-MA-12	Markham Museum	1.60	3.82	2.11	-0.51	-31.9	
HY069	York Pumping Station	3.60	4.83	4.26	-0.66	-18.3	
TOR_RG-028	Cummer	1.51	1.34	1.78	-0.27	-17.9	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-AU-02	14019 Bathurst St.	5.00	7.18	5.87	-0.87	-17.4	
R-YR-VA-11	11201 Keele St.	2.20	5.02	2.58	-0.38	-17.3	
R-YR-MA-19	10 Riviera Dr.	1.60	1.42	1.80	-0.20	-12.5	
R-YR-AU-07	14875 Bayview Ave.	5.60	7.10	6.13	-0.53	-9.5	
HY011	Bruces Mill CA	3.60	3.52	3.73	-0.13	-3.6	
R-YR-AU-01	242 St John's Sideroad	7.60	10.42	7.74	-0.14	-1.8	
HY124	Claremont Nature Centre	1.60	3.37	1.61	-0.01	-0.6	
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	9.40	12.26	9.45	-0.05	-0.5	
HY036	Kennedy Pump Station	3.30	2.89	3.30	0.00	0.0	
HY122	Durham Works Yard	5.00	5.34	5.00	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	2.40	5.93	2.40	0.00	0.0	
TOR_RG-019	Jane	1.52	1.34	1.52	0.00	0.0	
HY031	Goodwood Pumping Station	3.20	2.36	3.19	0.01	0.3	
HY063	Transport Canada	2.80	4.48	2.79	0.01	0.4	
R-YR-MA-20	30 John Allen Cameron St.	2.00	2.33	1.99	0.01	0.5	
R-YR-MA-01	7021 Leslie Street	3.60	2.63	3.54	0.06	1.7	
R-MUN-MA-22	11091 Warden Ave	2.60	2.20	2.51	0.09	3.5	
TOR_RG-051	Goulding	3.76	2.28	3.63	0.13	3.5	
HY043	Little Rouge at 16th	3.80	3.89	3.49	0.31	8.2	
R-YR-RH-15	201 Yorkland Street	6.60	5.65	6.03	0.57	8.6	
R-YR-AU-06	125 Wellington Street West	4.80	5.26	4.37	0.43	9.0	
R-YR-KI-08	25 King Boulevard	3.20	2.19	2.77	0.43	13.4	
R-MUN-MA-08	German Mills P.S.	3.75	2.40	3.20	0.55	14.7	
R-YR-AU-09	1400 Wellington Street East	11.74	11.15	9.59	2.15	18.3	
R-MUN-MA-21	Parkland P.S.	6.25	4.05	5.04	1.21	19.4	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.00	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	0.00	---	---	---	---	MSTT
Copper Road RG	Copper Road	0.00	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY002	Albion Hills	0.70	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY009	Brock West Landfill	1.20	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY021	Dufferin Reservoir	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	1.20	---	---	---	---	MSTT
HY030	Glen Haffy	0.00	---	---	---	---	MSTT
HY033	Heart Lake CA	0.00	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.20	---	---	---	---	MSTT
HY039	Kortright	0.00	---	---	---	---	MSTT
HY041	Tullamore	0.00	---	---	---	---	MSTT
HY044	Milne Dam	0.40	---	---	---	---	MSTT
HY046	Mississauga Works Yard	0.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY055	Restoration Services	0.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.83	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.00	---	---	---	---	MSTT
HY067	West Humber at Hwy7	0.00	---	---	---	---	MSTT
HY070	York Region Works Yard	0.00	---	---	---	---	MSTT
HY083	Oak Ridges	0.50	---	---	---	---	MSTT
HY086	RL Clark WTP	0.00	---	---	---	---	MSTT
HY087	Westmount Park	0.00	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.50	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.00	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.20	---	---	---	---	MSTT
HY099	Rathwood	0.00	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	0.90	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.13	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	0.25	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	1.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.00	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	1.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-MUN-MA-18	Angus Glen C.C.	0.20	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.20	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.00	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.00	---	---	---	---	MSTT
R-YR-VA-01	4738 Steeles Ave. W.	0.00	---	---	---	---	MSTT
R-YR-VA-02	2850 Rutherford Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.00	---	---	---	---	MSTT
R-YR-VA-09	11 Aviva Park Dr.	0.00	---	---	---	---	MSTT
R-YR-VA-10	130 McCleary Crt.	0.00	---	---	---	---	MSTT
R-YR-VA-13	10190 Keele Street	0.00	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	1.00	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.20	---	---	---	---	MSTT
R-YR-VA-23	60 Burwick	0.20	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.00	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	0.00	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	0.00	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.00	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	1.40	---	---	---	---	MSTT
RG 16	Hanlan	0.00	---	---	---	---	MSTT
RG 20	PEEL/YORK ODOUR CONTROL	0.00	---	---	---	---	MSTT
RG 22	Bramalea - Fire Station 202	0.00	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	0.00	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.00	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.00	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.00	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	0.00	---	---	---	---	MSTT
RG 31	East Brampton Res	0.00	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 34	MCVEAN SEWAGE PUMPING	0.00	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	0.00	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.00	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.00	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.00	---	---	---	---	MSTT
RG 60	PAULINE VANIER	0.00	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.00	---	---	---	---	MSTT
STN 01	Lakeview	0.00	---	---	---	---	MSTT
STN 03	Wolfedale	0.00	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	MSTT
STN 05	Winding Trail	0.24	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.00	---	---	---	---	MSTT
STN 07	Streetsville	0.00	---	---	---	---	MSTT
STN 08	Tomken	0.00	---	---	---	---	MSTT
STN 12	CVC	0.00	---	---	---	---	MSTT
STN 13	Goreway	0.00	---	---	---	---	MSTT
STN 14	Port Credit	0.00	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.00	---	---	---	---	MSTT
TOR_RG-002	High Park	0.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.00	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.00	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-012	Albion	0.21	---	---	---	---	MSTT
TOR_RG-013	Martin Grove	0.00	---	---	---	---	MSTT
TOR_RG-014	Richview	0.00	---	---	---	---	MSTT
TOR_RG-015	Bering	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.00	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.00	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.00	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.66	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.75	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-022	Fire Station 116	0.00	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.00	---	---	---	---	MSTT
TOR_RG-024	Wilson	0.00	---	---	---	---	MSTT
TOR_RG-025	Ancaster	0.00	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.85	---	---	---	---	MSTT
TOR_RG-033	Nashdene Yard	0.00	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.00	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.00	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.00	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.00	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.00	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.00	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	0.00	---	---	---	---	MSTT
TOR_RG-047	Glen Long	0.00	---	---	---	---	MSTT
TOR_RG-048	Etobicoke	0.00	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	0.00	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	0.00	---	---	---	---	MSTT
TOR_RG-056	Fire Station 142	0.17	---	---	---	---	MSTT
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-062	Harwood Hall	0.00	---	---	---	---	MSTT
Victoria Yard	Victoria Yard	0.00	---	---	---	---	MSTT

Table 9. Summary of Individual RG Pairs for Event 1d

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-MA-19	10 Riviera Dr.	1.60	2.63	2.26	-0.66	-41.2	
HY050	Morningside Works Yard	4.80	7.81	6.40	-1.60	-33.3	
RG 32	RESERVOIR - AIRPORT	1.80	2.76	2.34	-0.54	-30.0	
STN 01	Lakeview	14.80	16.29	18.38	-3.58	-24.2	
R-YR-MA-01	7021 Leslie Street	3.00	3.72	3.55	-0.55	-18.3	
R-YR-VA-03	4630 Langstaff Rd.	2.20	3.20	2.60	-0.40	-18.2	
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	13.50	14.41	15.75	-2.25	-16.7	
R-YR-VA-10	130 McCleary Crt.	1.40	1.78	1.62	-0.22	-15.7	
TOR_RG-023	Bermondsey Yard	8.85	9.34	10.24	-1.39	-15.7	
TOR_RG-060	MALVERN RECREATION CENTRE	2.90	4.41	3.35	-0.45	-15.5	
R-MUN-MA-21	Parkland P.S.	1.75	1.82	1.97	-0.22	-12.6	
HY088	The Village at Black Creek	2.80	3.00	3.13	-0.33	-11.8	
TOR_RG-017	Castle Field Yard	18.48	17.46	20.60	-2.12	-11.5	
RG 60	PAULINE VANIER	12.80	13.41	13.99	-1.19	-9.3	
HY046	Mississauga Works Yard	11.40	12.14	12.41	-1.01	-8.9	
HY130	Elmbank Community Centre	5.27	5.54	5.73	-0.46	-8.7	
STN 14	Port Credit	11.79	15.41	12.79	-1.00	-8.5	
HY036	Kennedy Pump Station	3.90	3.92	4.22	-0.32	-8.2	
Copper Road RG	Copper Road	8.00	8.35	8.64	-0.64	-8.0	
R-YR-VA-22	300 Rosedale Heights	1.60	1.75	1.72	-0.12	-7.5	
R-MUN-MA-14	8100 Warden Ave	1.50	1.77	1.60	-0.10	-6.7	
HY003	Alex Duff Memorial Pool	16.60	14.86	17.58	-0.98	-5.9	
TOR_RG-054	Fire Station 442	19.38	16.75	20.44	-1.06	-5.5	
TOR_RG-051	Goulding	2.82	2.87	2.97	-0.15	-5.3	
HY033	Heart Lake CA	3.80	4.52	3.99	-0.19	-5.0	
HY041	Tullamore	1.80	2.32	1.89	-0.09	-5.0	
TOR_RG-049	Fire Station 422	16.01	15.02	16.79	-0.78	-4.9	
TOR_RG-006	Allan Gardens	15.05	13.68	15.77	-0.72	-4.8	
TOR_RG-062	Harwood Hall	17.36	16.11	18.17	-0.81	-4.7	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	9.66	9.54	10.08	-0.42	-4.3	
STN 03	Wolfedale	19.60	20.17	20.41	-0.81	-4.1	
STN 06	Mississauga Valley	23.60	22.18	24.52	-0.92	-3.9	
TOR_RG-015	Bering	15.03	13.51	15.59	-0.56	-3.7	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-01	4738 Steeles Ave. W.	4.20	4.33	4.34	-0.14	-3.3	
TOR_RG-004	High Level PS	15.26	13.22	15.75	-0.49	-3.2	
R-MUN-MA-13	Roy H Crosby P.S.	1.60	1.56	1.65	-0.05	-3.1	
STN 07	Streetsville	33.20	27.93	34.12	-0.92	-2.8	
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	12.21	11.75	12.53	-0.32	-2.6	
R-MUN-MA-08	German Mills P.S.	3.75	4.12	3.84	-0.09	-2.4	
TOR_RG-034	Ellesmere Yard	7.42	6.81	7.58	-0.16	-2.2	
HY008	Brickworks	13.19	11.56	13.47	-0.28	-2.1	
RG 26	McLaughlin - Chris Gibson Recreation Centre	6.60	6.93	6.73	-0.13	-2.0	
STN 13	Goreway	8.92	8.63	9.08	-0.16	-1.8	
TOR_RG-007	Greenwood	14.27	12.37	14.53	-0.26	-1.8	
STN 05	Winding Trail	24.43	21.41	24.84	-0.41	-1.7	
RG 31	East Brampton Res	4.60	5.04	4.67	-0.07	-1.5	
HY044	Milne Dam	1.40	1.35	1.42	-0.02	-1.4	
R-YR-VA-24	121 Joseph Aaron Blvd	2.20	2.17	2.23	-0.03	-1.4	
TOR_RG-012	Albion	5.31	5.22	5.38	-0.07	-1.3	
TOR_RG-016	Kipling	19.28	16.24	19.50	-0.22	-1.1	
STN 08	Tomken	17.13	16.10	17.30	-0.17	-1.0	
HY027	G Ross Dam	3.80	3.35	3.83	-0.03	-0.8	
R-YR-VA-02	2850 Rutherford Rd.	1.60	2.06	1.61	-0.01	-0.6	
TOR_RG-052	Etobicoke Olympium	29.42	24.25	29.60	-0.18	-0.6	
TOR_RG-046	Fire Station 415	9.39	8.15	9.41	-0.02	-0.2	
TOR_RG-045	Fairbank Memorial	18.36	15.50	18.37	-0.01	-0.1	
CALEDON EAST RG	Caledon East	3.20	2.72	3.20	0.00	0.0	
RG 62	Alloa Reservoir RG	8.00	7.80	8.00	0.00	0.0	
TOR_RG-056	Fire Station 142	8.15	7.06	8.14	0.01	0.1	
TOR_RG-001	Swansea Hall	16.78	14.91	16.75	0.03	0.2	
TOR_RG-018	Thorncliffe	11.85	10.24	11.80	0.05	0.4	
R-YR-VA-27	115 Starling Blvd	1.60	2.06	1.59	0.01	0.6	
HY087	Westmount Park	21.00	17.09	20.86	0.14	0.7	
TOR_RG-022	Fire Station 116	16.09	13.81	15.89	0.20	1.2	
RG 27	RESERVOIR - WEST BRAMPTON	12.40	11.03	12.24	0.16	1.3	
HY016	Danforth and Coxwell	14.60	12.18	14.33	0.27	1.8	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-09	11 Aviva Park Dr.	3.20	3.11	3.14	0.06	1.9	
HY086	RL Clark WTP	21.31	17.11	20.89	0.42	2.0	
TOR_RG-040	Denton	13.80	11.25	13.53	0.27	2.0	
RG 25	RESERVOIR - BECKETT SPROULE	8.20	7.71	8.00	0.20	2.4	
St. Hilary	St. Hilary Elementary School	33.00	26.69	32.22	0.78	2.4	
RG 24	MULLET CREEK SEWAGE	22.40	16.83	21.83	0.57	2.5	
TOR_RG-036	Ashbridges Bay	16.99	13.85	16.54	0.45	2.6	
HY094	Broadlands Community Centre	9.60	8.26	9.34	0.26	2.7	
TOR_RG-048	Etobicoke	24.03	19.35	23.39	0.64	2.7	
HY099	Rathwood	32.90	26.67	31.90	1.00	3.0	
R-MUN-MA-11	Milliken Mills C.C.	3.00	2.77	2.91	0.09	3.0	
TOR_RG-002	High Park	18.34	15.20	17.73	0.61	3.3	
STN 12	CVC	20.60	17.28	19.88	0.72	3.5	
TOR_RG-037	Edwards Gardens	14.27	11.39	13.76	0.51	3.6	
R-MUN-MA-07	Stornoway P.S.	1.60	1.50	1.54	0.06	3.8	
RG 16	Hanlan	22.00	18.05	21.17	0.83	3.8	
RG 29	RESERVOIR - NORTH BRAMPTON	3.80	4.07	3.65	0.15	3.9	
TOR_RG-021	Emery Yard	4.60	4.16	4.42	0.18	3.9	
RG 23	BRITANNIA LEACHATE PUMPING	36.40	28.01	34.83	1.57	4.3	
RG 59	TULLAMORE RESERVOIR	1.80	2.11	1.72	0.08	4.4	
TOR_RG-025	Ancaster	17.63	13.11	16.85	0.78	4.4	
RG 34	MCVEAN SEWAGE PUMPING	2.60	2.54	2.48	0.12	4.6	
TOR_RG-044	Fire Station 121	19.68	14.08	18.70	0.98	5.0	
TOR_RG-014	Richview	26.15	19.30	24.75	1.40	5.4	
TOR_RG-041	Heron Park	8.92	9.22	8.40	0.52	5.8	
R-YR-VA-23	60 Burwick	4.40	4.37	4.14	0.26	5.9	
TOR_RG-033	Nashdene Yard	3.87	3.39	3.63	0.24	6.2	
HY067	West Humber at Hwy7	2.80	2.68	2.61	0.19	6.8	
TOR_RG-019	Jane	4.28	3.74	3.99	0.29	6.8	
TOR_RG-039	North Toronto Memorial	18.66	13.53	17.40	1.26	6.8	
RG 22	Bramalea - Fire Station 202	6.60	5.61	6.13	0.47	7.1	
TOR_RG-024	Wilson	18.79	14.04	17.39	1.40	7.5	
TOR_RG-013	Martin Grove	22.07	15.68	20.31	1.76	8.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-020	Finch Yard	4.36	3.52	4.00	0.36	8.3	
RG 20	PEEL/YORK ODOUR CONTROL	7.40	6.10	6.76	0.64	8.6	
TOR_RG-047	Glen Long	23.58	17.37	21.39	2.19	9.3	
TOR_RG-042	Don Montgomery	19.28	13.69	17.47	1.81	9.4	
R-MUN-MA-05	Thornhill C.C.	2.00	1.73	1.75	0.25	12.5	
TOR_RG-038	Fire Station 215	11.02	8.92	9.64	1.38	12.5	
TOR_RG-031	L'Amoreaux	5.48	4.37	4.77	0.71	13.0	
TOR_RG-003	Fire Station 315	19.31	14.12	16.55	2.76	14.3	
TOR_RG-028	Cummer	7.64	6.49	6.53	1.11	14.5	
R-YR-MA-03	2401 Denison St.	2.80	2.17	2.39	0.41	14.6	
GE Booth	GE Booth WWTP	25.60	18.21	21.39	4.21	16.4	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.40	---	---	---	---	MSTT
HY002	Albion Hills	1.10	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.10	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.10	---	---	---	---	MSTT
HY021	Dufferin Reservoir	1.10	---	---	---	---	MSTT
HY030	Glen Haffy	0.80	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	0.40	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.40	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.40	---	---	---	---	MSTT
HY039	Kortright	0.80	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.20	---	---	---	---	MSTT
HY055	Restoration Services	1.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.07	---	---	---	---	MSTT
HY061	Sue Grange Farm	1.00	---	---	---	---	MSTT
HY063	Transport Canada	0.00	---	---	---	---	MSTT
HY069	York Pumping Station	0.60	---	---	---	---	MSTT
HY070	York Region Works Yard	0.40	---	---	---	---	MSTT
HY083	Oak Ridges	0.30	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.40	---	---	---	---	MSTT
HY102	Petticoat Works Yard	1.70	---	---	---	---	OAD
HY121	Balsam at 407	0.00	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY124	Claremont Nature Centre	0.00	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.80	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	1.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.50	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.20	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.40	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.60	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.20	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.20	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.40	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.58	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.20	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.60	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	0.40	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.20	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.80	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.40	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.80	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	0.40	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.80	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	0.60	---	---	---	---	MSTT
R-YR-VA-13	10190 Keele Street	1.20	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	1.40	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	0.80	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.60	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.20	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.80	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	1.00	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	1.20	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.40	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.80	---	---	---	---	MSTT
RG 46	St. Nicholas	1.20	---	---	---	---	MSTT
STN 04	Mississauga Central	7.73	---	---	---	---	U

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-059	BEACHES RECREATION CENTRE	14.00	---	---	---	---	T
Victoria Yard	Victoria Yard	1.20	---	---	---	---	MSTT

Table 10. Summary of Individual RG Pairs for Event 1e

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-041	Heron Park	1.99	3.31	3.99	-2.00	-100.5	
HY003	Alex Duff Memorial Pool	7.60	6.43	9.72	-2.12	-27.9	
R-YR-VA-10	130 McCleary Crt.	4.00	4.79	5.11	-1.11	-27.8	
HY069	York Pumping Station	1.40	1.63	1.70	-0.30	-21.4	
HY027	G Ross Dam	4.40	4.46	5.28	-0.88	-20.0	
RG 25	RESERVOIR - BECKETT SPROULE	4.00	3.36	4.78	-0.78	-19.5	
RG 23	BRITANNIA LEACHATE PUMPING	11.00	9.90	12.92	-1.92	-17.5	
TOR_RG-015	Bering	18.41	15.23	21.47	-3.06	-16.6	
TOR_RG-044	Fire Station 121	1.34	1.75	1.55	-0.21	-15.7	
TOR_RG-025	Ancaster	6.06	6.02	6.95	-0.89	-14.7	
STN 01	Lakeview	16.20	13.75	18.34	-2.14	-13.2	
HY130	Elmbank Community Centre	8.54	7.71	9.51	-0.97	-11.4	
STN 12	CVC	7.87	5.94	8.77	-0.90	-11.4	
TOR_RG-013	Martin Grove	12.63	10.49	14.03	-1.40	-11.1	
TOR_RG-021	Emery Yard	7.30	6.21	8.05	-0.75	-10.3	
HY088	The Village at Black Creek	5.80	4.94	6.38	-0.58	-10.0	
R-YR-VA-26	360 Thomas Cook Avenue	3.40	3.55	3.74	-0.34	-10.0	
TOR_RG-040	Denton	2.22	2.39	2.43	-0.21	-9.5	
HY046	Mississauga Works Yard	8.60	7.37	9.34	-0.74	-8.6	
HY099	Rathwood	14.70	12.11	15.95	-1.25	-8.5	
R-YR-VA-03	4630 Langstaff Rd.	1.80	1.77	1.95	-0.15	-8.3	
HY087	Westmount Park	17.00	12.42	18.35	-1.35	-7.9	
TOR_RG-024	Wilson	11.16	9.24	12.00	-0.84	-7.5	
RG 32	RESERVOIR - AIRPORT	3.20	2.02	3.43	-0.23	-7.2	
R-YR-VA-23	60 Burwick	3.00	2.61	3.21	-0.21	-7.0	
HY016	Danforth and Coxwell	4.20	3.73	4.49	-0.29	-6.9	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 20	PEEL/YORK ODOUR CONTROL	5.00	3.88	5.33	-0.33	-6.6	
TOR_RG-017	Castle Field Yard	10.76	8.28	11.46	-0.70	-6.5	
STN 08	Tomken	8.80	7.09	9.30	-0.50	-5.7	
St. Hilary	St. Hilary Elementary School	14.20	11.32	14.97	-0.77	-5.4	
TOR_RG-060	MALVERN RECREATION CENTRE	5.70	4.35	6.00	-0.30	-5.3	
TOR_RG-018	Thorncliffe	3.94	3.49	4.12	-0.18	-4.6	
TOR_RG-047	Glen Long	8.24	6.63	8.62	-0.38	-4.6	
TOR_RG-001	Swansea Hall	17.93	11.76	18.72	-0.79	-4.4	
GE Booth	GE Booth WWTP	16.40	12.34	16.95	-0.55	-3.4	
STN 13	Goreway	7.81	6.65	8.06	-0.25	-3.2	
STN 05	Winding Trail	26.82	19.73	27.59	-0.77	-2.9	
TOR_RG-056	Fire Station 142	8.42	6.64	8.60	-0.18	-2.1	
R-YR-VA-13	10190 Keele Street	3.00	3.02	3.06	-0.06	-2.0	
TOR_RG-052	Etobicoke Olympium	26.50	18.57	26.81	-0.31	-1.2	
HY009	Brock West Landfill	2.00	1.51	2.02	-0.02	-1.0	
RG 39	Inglewood Pumping Stn	3.60	3.04	3.63	-0.03	-0.8	
R-YR-VA-02	2850 Rutherford Rd.	4.20	4.39	4.22	-0.02	-0.5	
RG 62	Alloa Reservoir RG	6.40	5.53	6.41	-0.01	-0.2	
TOR_RG-045	Fairbank Memorial	9.51	6.72	9.46	0.05	0.5	
HY004	Bayly and Church	7.20	4.46	7.15	0.05	0.7	
TOR_RG-037	Edwards Gardens	2.50	2.21	2.48	0.02	0.8	
Victoria Yard	Victoria Yard	2.40	1.77	2.38	0.02	0.8	
HY067	West Humber at Hwy7	4.00	2.28	3.95	0.05	1.2	
TOR_RG-012	Albion	9.64	7.62	9.51	0.13	1.3	
TOR_RG-054	Fire Station 442	16.08	11.25	15.77	0.31	1.9	
RG 26	McLaughlin - Chris Gibson Recreation Centre	2.80	1.66	2.74	0.06	2.1	
TOR_RG-007	Greenwood	5.55	4.36	5.43	0.12	2.2	
TOR_RG-003	Fire Station 315	9.21	5.81	9.00	0.21	2.3	
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	12.98	7.94	12.67	0.31	2.4	
RG 22	Bramalea - Fire Station 202	4.60	3.02	4.48	0.12	2.6	
STN 14	Port Credit	19.22	11.83	18.72	0.50	2.6	
HY102	Petticoat Works Yard	11.70	7.54	11.37	0.33	2.8	
TOR_RG-038	Fire Station 215	7.36	5.91	7.12	0.24	3.3	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 16	Hanlan	12.60	9.43	12.17	0.43	3.4	
TOR_RG-016	Kipling	22.30	13.70	21.46	0.84	3.8	
TOR_RG-036	Ashbridges Bay	7.29	5.39	6.97	0.32	4.4	
TOR_RG-039	North Toronto Memorial	6.77	4.38	6.47	0.30	4.4	
TOR_RG-046	Fire Station 415	9.91	7.47	9.45	0.46	4.6	
R-YR-RH-15	201 Yorkland Street	3.00	2.23	2.84	0.16	5.3	
R-YR-VA-09	11 Aviva Park Dr.	9.20	6.76	8.69	0.51	5.5	
TOR_RG-006	Allan Gardens	11.84	7.22	11.19	0.65	5.5	
RG 60	PAULINE VANIER	8.20	5.15	7.72	0.48	5.9	
RG 24	MULLET CREEK SEWAGE	5.80	2.82	5.45	0.35	6.0	
STN 03	Wolfedale	22.20	12.20	20.80	1.40	6.3	
RG 34	MCVEAN SEWAGE PUMPING	4.20	2.25	3.93	0.27	6.4	
TOR_RG-062	Harwood Hall	17.78	10.80	16.53	1.25	7.0	
TOR_RG-048	Etobicoke	28.94	18.45	26.82	2.12	7.3	
RG 31	East Brampton Res	3.80	1.89	3.51	0.29	7.6	
STN 06	Mississauga Valley	27.00	16.30	24.73	2.27	8.4	
HY086	RL Clark WTP	20.24	11.76	18.48	1.76	8.7	
TOR_RG-002	High Park	14.02	8.17	12.74	1.28	9.1	
TOR_RG-049	Fire Station 422	22.12	12.61	20.02	2.10	9.5	
TOR_RG-004	High Level PS	9.01	5.17	8.00	1.01	11.2	
STN 07	Streetsville	13.00	7.74	11.48	1.52	11.7	
R-YR-VA-01	4738 Steeles Ave. W.	9.60	6.52	8.42	1.18	12.3	
TOR_RG-014	Richview	22.72	13.39	19.79	2.93	12.9	
R-YR-VA-16	900 Teston Rd.	5.80	3.89	5.03	0.77	13.3	
TOR_RG-020	Finch Yard	6.30	4.40	5.36	0.94	14.9	
Copper Road RG	Copper Road	7.00	4.24	5.94	1.06	15.1	
TOR_RG-019	Jane	8.67	5.36	7.04	1.63	18.8	
HY050	Morningside Works Yard	12.00	6.16	8.38	3.62	30.2	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.00	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	0.00	---	---	---	---	MSTT
HY002	Albion Hills	0.00	---	---	---	---	MSTT
HY008	Brickworks	2.11	---	---	---	---	U
HY011	Bruces Mill CA	0.50	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY021	Dufferin Reservoir	1.60	---	---	---	---	OAD
HY030	Glen Haffy	0.20	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	0.40	---	---	---	---	MSTT
HY033	Heart Lake CA	1.20	---	---	---	---	MSTT
HY036	Kennedy Pump Station	1.10	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.80	---	---	---	---	MSTT
HY039	Kortright	0.80	---	---	---	---	MSTT
HY041	Tullamore	0.60	---	---	---	---	MSTT
HY043	Little Rouge at 16th	1.40	---	---	---	---	MSTT
HY044	Milne Dam	0.60	---	---	---	---	MSTT
HY055	Restoration Services	0.60	---	---	---	---	MSTT
HY060	Stouffville Dam	0.36	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.40	---	---	---	---	MSTT
HY063	Transport Canada	0.40	---	---	---	---	MSTT
HY070	York Region Works Yard	0.00	---	---	---	---	MSTT
HY083	Oak Ridges	1.20	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.30	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	0.20	---	---	---	---	MSTT
HY122	Durham Works Yard	1.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.40	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.80	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	1.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	1.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.50	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.75	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.75	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.20	---	---	---	---	MSTT
R-MUN-MA-21	Parkland P.S.	1.00	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.20	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.40	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-AU-02	14019 Bathurst St.	0.60	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.60	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.60	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.37	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.20	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.20	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	0.20	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.00	---	---	---	---	MSTT
R-YR-MA-03	2401 Denison St.	0.80	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.80	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	1.60	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.60	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.00	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.00	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.80	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	1.40	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.20	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.60	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	1.20	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.20	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.40	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.80	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.60	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	1.20	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.60	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.60	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.20	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.80	---	---	---	---	MSTT
STN 04	Mississauga Central	7.96	---	---	---	---	U
TOR_RG-022	Fire Station 116	0.64	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	1.05	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-028	Cummer	0.03	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.35	---	---	---	---	MSTT
TOR_RG-033	Nashdene Yard	0.63	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.62	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.45	---	---	---	---	MSTT
TOR_RG-051	Goulding	0.75	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.22	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	4.33	---	---	---	---	T
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.31	---	---	---	---	MSTT

Table 11. Summary of Individual RG Pairs for Event 1f

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
STN 06	Mississauga Valley	5.00	8.14	7.42	-2.42	-48.4	
R-MUN-MA-05	Thornhill C.C.	6.75	6.42	9.16	-2.41	-35.7	
Victoria Yard	Victoria Yard	2.80	2.49	3.74	-0.94	-33.6	
STN 05	Winding Trail	5.27	6.58	6.61	-1.34	-25.4	
HY044	Milne Dam	2.80	2.92	3.49	-0.69	-24.6	
R-YR-MA-19	10 Riviera Dr.	5.00	4.54	6.21	-1.21	-24.2	
HY041	Tullamore	4.80	5.74	5.94	-1.14	-23.8	
R-YR-AU-06	125 Wellington Street West	1.60	1.64	1.87	-0.27	-16.9	
R-MUN-MA-09	Lincoln Alexander P.S.	2.40	2.53	2.80	-0.40	-16.7	
HY003	Alex Duff Memorial Pool	4.60	5.12	5.28	-0.68	-14.8	
R-YR-MA-03	2401 Denison St.	5.40	5.04	6.19	-0.79	-14.6	
R-YR-VA-04	10299 Hwy 27	10.60	10.88	12.12	-1.52	-14.3	
HY037	King and Albion-Vaughan	1.60	1.40	1.81	-0.21	-13.1	
TOR_RG-045	Fairbank Memorial	6.55	6.15	7.38	-0.83	-12.7	
STN 01	Lakeview	5.00	4.33	5.62	-0.62	-12.4	
STN 03	Wolfedale	4.00	5.30	4.48	-0.48	-12.0	
HY016	Danforth and Coxwell	9.60	9.06	10.74	-1.14	-11.9	
R-MUN-MA-11	Milliken Mills C.C.	5.00	4.71	5.59	-0.59	-11.8	
HY087	Westmount Park	13.80	12.42	15.40	-1.60	-11.6	
HY130	Elmbank Community Centre	23.71	17.54	26.30	-2.59	-10.9	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-KI-03	65 Janet Ave.	2.40	2.55	2.65	-0.25	-10.4	
TOR_RG-062	Harwood Hall	10.05	9.65	11.10	-1.05	-10.4	
TOR_RG-037	Edwards Gardens	9.90	7.98	10.90	-1.00	-10.1	
HY043	Little Rouge at 16th	1.40	1.47	1.54	-0.14	-10.0	
HY083	Oak Ridges	3.00	2.87	3.30	-0.30	-10.0	
R-YR-AU-09	1400 Wellington Street East	2.53	2.19	2.78	-0.25	-9.9	
HY036	Kennedy Pump Station	9.30	7.68	10.19	-0.89	-9.6	
TOR_RG-007	Greenwood	9.37	8.89	10.27	-0.90	-9.6	
R-YR-RH-15	201 Yorkland Street	4.80	4.17	5.19	-0.39	-8.1	
HY086	RL Clark WTP	12.15	10.58	13.12	-0.97	-8.0	
RG 36	CHINGUACOUSY LEACHATE PUMPING	2.80	2.24	3.02	-0.22	-7.9	
R-YR-VA-23	60 Burwick	23.60	18.19	25.38	-1.78	-7.5	
RG 29	RESERVOIR - NORTH BRAMPTON	16.20	12.92	17.35	-1.15	-7.1	
R-MUN-MA-13	Roy H Crosby P.S.	3.00	2.76	3.21	-0.21	-7.0	
STN 12	CVC	26.16	18.60	27.94	-1.78	-6.8	
HY046	Mississauga Works Yard	29.70	20.37	31.66	-1.96	-6.6	
R-YR-VA-26	360 Thomas Cook Avenue	10.60	8.78	11.27	-0.67	-6.3	
TOR_RG-060	MALVERN RECREATION CENTRE	5.91	4.87	6.28	-0.37	-6.3	
TOR_RG-044	Fire Station 121	8.93	6.69	9.47	-0.54	-6.0	
R-YR-VA-28	675 Vellore Park Avenue	13.20	10.59	13.98	-0.78	-5.9	
R-YR-VA-22	300 Rosedale Heights	15.40	12.59	16.29	-0.89	-5.8	
HY021	Dufferin Reservoir	12.50	10.18	13.20	-0.70	-5.6	
RG 25	RESERVOIR - BECKETT SPROULE	27.60	18.64	29.13	-1.53	-5.5	
TOR_RG-039	North Toronto Memorial	5.25	4.86	5.53	-0.28	-5.3	
TOR_RG-051	Goulding	16.15	12.05	17.01	-0.86	-5.3	
R-YR-NE-07	875 Stonehaven	1.60	1.53	1.68	-0.08	-5.0	
HY088	The Village at Black Creek	18.80	12.56	19.72	-0.92	-4.9	
TOR_RG-002	High Park	6.47	6.65	6.78	-0.31	-4.8	
STN 14	Port Credit	3.06	3.12	3.19	-0.13	-4.2	
TOR_RG-015	Bering	10.88	10.06	11.33	-0.45	-4.1	
R-MUN-MA-22	11091 Warden Ave	1.60	1.49	1.66	-0.06	-3.7	
Copper Road RG	Copper Road	29.40	19.70	30.46	-1.06	-3.6	
R-YR-VA-24	121 Joseph Aaron Blvd	23.60	16.72	24.46	-0.86	-3.6	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-003	Fire Station 315	6.59	6.41	6.83	-0.24	-3.6	
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	9.84	8.08	10.16	-0.32	-3.3	
HY096	Caledon East Soccer Complex	2.80	2.20	2.89	-0.09	-3.2	
TOR_RG-056	Fire Station 142	19.29	13.16	19.89	-0.60	-3.1	
HY027	G Ross Dam	32.00	20.21	32.97	-0.97	-3.0	
R-YR-VA-11	11201 Keele St.	10.00	7.64	10.30	-0.30	-3.0	
HY067	West Humber at Hwy7	40.40	23.64	41.58	-1.18	-2.9	
HY102	Petticoat Works Yard	6.10	5.24	6.27	-0.17	-2.8	
STN 07	Streetsville	31.20	22.30	32.07	-0.87	-2.8	
TOR_RG-024	Wilson	17.79	12.99	18.27	-0.48	-2.7	
R-YR-KI-08	25 King Boulevard	4.80	3.95	4.91	-0.11	-2.3	
HY033	Heart Lake CA	28.00	19.44	28.56	-0.56	-2.0	
TOR_RG-014	Richview	15.38	12.28	15.69	-0.31	-2.0	
HY002	Albion Hills	2.40	2.14	2.44	-0.04	-1.7	
TOR_RG-019	Jane	19.46	12.73	19.79	-0.33	-1.7	
TOR_RG-042	Don Montgomery	13.98	10.44	14.22	-0.24	-1.7	
HY094	Broadlands Community Centre	14.20	9.95	14.43	-0.23	-1.6	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	16.67	9.85	16.92	-0.25	-1.5	
R-YR-VA-01	4738 Steeles Ave. W.	24.40	16.77	24.68	-0.28	-1.1	
TOR_RG-049	Fire Station 422	11.47	10.50	11.59	-0.12	-1.0	
HY039	Kortright	15.80	12.66	15.92	-0.12	-0.8	
HY050	Morningside Works Yard	8.40	6.34	8.44	-0.04	-0.5	
RG 39	Inglewood Pumping Stn	3.20	1.93	3.21	-0.01	-0.3	
RG 62	Alloa Reservoir RG	25.20	17.53	25.28	-0.08	-0.3	
R-MUN-MA-14	8100 Warden Ave	4.75	4.03	4.76	-0.01	-0.2	
HY030	Glen Haffy	2.60	2.84	2.60	0.00	0.0	
HY070	York Region Works Yard	3.40	3.09	3.40	0.00	0.0	
HY122	Durham Works Yard	2.90	2.02	2.90	0.00	0.0	
R-YR-AU-01	242 St John's Sideroad	1.60	1.43	1.60	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	1.60	1.39	1.60	0.00	0.0	
RG 42	Caledon Reservoir	3.00	2.79	3.00	0.00	0.0	
HY004	Bayly and Church	8.40	5.82	8.39	0.01	0.1	
HY009	Brock West Landfill	4.80	3.29	4.79	0.01	0.2	
RG 16	Hanlan	29.20	19.96	29.15	0.05	0.2	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 26	McLaughlin - Chris Gibson Recreation Centre	29.40	16.74	29.19	0.21	0.7	
RG 27	RESERVOIR - WEST BRAMPTON	41.60	22.79	41.31	0.29	0.7	
R-YR-MA-20	30 John Allen Cameron St.	2.40	2.14	2.38	0.02	0.8	
TOR_RG-016	Kipling	10.56	8.76	10.48	0.08	0.8	
TOR_RG-041	Heron Park	10.33	7.62	10.25	0.08	0.8	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	1.80	1.34	1.78	0.02	1.1	
R-YR-VA-27	115 Starling Blvd	17.80	12.90	17.60	0.20	1.1	
TOR_RG-001	Swansea Hall	9.05	8.40	8.94	0.11	1.2	
RG 34	MCVEAN SEWAGE PUMPING	42.40	23.82	41.85	0.55	1.3	
TOR_RG-048	Etobicoke	9.76	8.18	9.60	0.16	1.6	
R-MUN-MA-16	Fire Hall #94	3.00	2.56	2.95	0.05	1.7	
TOR_RG-021	Emery Yard	21.69	13.97	21.27	0.42	1.9	
STN 08	Tomken	31.72	20.64	31.09	0.63	2.0	
RG 20	PEEL/YORK ODOUR CONTROL	34.60	19.91	33.77	0.83	2.4	
HY055	Restoration Services	17.80	14.02	17.36	0.44	2.5	
RG 32	RESERVOIR - AIRPORT	39.80	21.82	38.81	0.99	2.5	
R-YR-RH-01	500 Major Mackenzie Drive East.	7.40	5.79	7.21	0.19	2.6	
TOR_RG-034	Ellesmere Yard	13.55	8.70	13.19	0.36	2.7	
TOR_RG-038	Fire Station 215	10.48	7.55	10.20	0.28	2.7	
RG 24	MULLET CREEK SEWAGE	21.60	12.45	20.99	0.61	2.8	
TOR_RG-006	Allan Gardens	11.55	9.98	11.20	0.35	3.0	
CALEDON EAST RG	Caledon East	3.40	2.35	3.29	0.11	3.2	
TOR_RG-046	Fire Station 415	22.58	14.64	21.83	0.75	3.3	
R-YR-VA-03	4630 Langstaff Rd.	23.20	16.34	22.42	0.78	3.4	
R-MUN-MA-07	Stornoway P.S.	10.40	7.50	10.03	0.37	3.6	
RG 60	PAULINE VANIER	30.40	18.79	29.23	1.17	3.8	
R-YR-VA-02	2850 Rutherford Rd.	16.60	11.23	15.95	0.65	3.9	
TOR_RG-047	Glen Long	11.88	8.51	11.42	0.46	3.9	
TOR_RG-013	Martin Grove	21.86	14.66	20.98	0.88	4.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 23	BRITANNIA LEACHATE PUMPING	34.60	22.75	33.13	1.47	4.2	
TOR_RG-023	Bermondsey Yard	15.10	10.27	14.47	0.63	4.2	
R-YR-AU-02	14019 Bathurst St.	3.20	2.54	3.06	0.14	4.4	
RG 22	Bramalea - Fire Station 202	36.60	20.49	34.95	1.65	4.5	
RG 46	St. Nicholas	2.20	1.47	2.10	0.10	4.5	
TOR_RG-052	Etobicoke Olympium	12.08	9.54	11.52	0.56	4.6	
R-YR-VA-09	11 Aviva Park Dr.	23.00	14.12	21.85	1.15	5.0	
R-YR-VA-13	10190 Keele Street	12.80	8.83	12.14	0.66	5.2	
STN 13	Goreway	35.70	20.50	33.85	1.85	5.2	
R-MUN-MA-08	German Mills P.S.	8.50	4.96	8.02	0.48	5.6	
R-YR-RH-10	124 Blackmore Avenue	6.40	4.73	6.03	0.37	5.8	
TOR_RG-004	High Level PS	6.31	5.50	5.94	0.37	5.9	
R-MUN-MA-18	Angus Glen C.C.	2.00	1.63	1.87	0.13	6.5	
RG 45	Bolton Recycle Center	4.40	2.82	4.11	0.29	6.6	
TOR_RG-012	Albion	26.99	16.86	25.20	1.79	6.6	
TOR_RG-018	Thorncliffe	14.96	11.03	13.97	0.99	6.6	
R-YR-VA-16	900 Teston Rd.	8.40	5.74	7.82	0.58	6.9	
HY038	East Humber at Mill Road	4.40	3.42	4.08	0.32	7.3	
HY069	York Pumping Station	5.60	3.95	5.16	0.44	7.9	
TOR_RG-036	Ashbridges Bay	10.20	7.92	9.39	0.81	7.9	
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	11.99	9.75	11.03	0.96	8.0	
R-MUN-MA-12	Markham Museum	1.80	1.40	1.65	0.15	8.3	
TOR_RG-028	Cummer	11.02	5.84	10.11	0.91	8.3	
TOR_RG-054	Fire Station 442	17.80	12.50	16.32	1.48	8.3	
R-MUN-MA-21	Parkland P.S.	7.75	5.47	7.10	0.65	8.4	
TOR_RG-025	Ancaster	21.77	12.88	19.94	1.83	8.4	
TOR_RG-033	Nashdene Yard	10.42	6.91	9.50	0.92	8.8	
TOR_RG-040	Denton	15.38	9.95	14.02	1.36	8.8	
R-YR-VA-10	130 McCleary Crt.	20.60	11.55	18.72	1.88	9.1	
RG 31	East Brampton Res	38.80	18.15	34.79	4.01	10.3	
TOR_RG-017	Castle Field Yard	12.53	8.87	11.22	1.31	10.5	
HY099	Rathwood	22.40	15.88	19.82	2.58	11.5	
TOR_RG-022	Fire Station 116	16.67	8.35	14.71	1.96	11.8	
St. Hilary	St. Hilary Elementary School	28.00	18.55	24.60	3.40	12.1	
TOR_RG-031	L'Amoreaux	12.98	8.36	11.41	1.57	12.1	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-020	Finch Yard	36.27	19.32	31.53	4.74	13.1	
RG 59	TULLAMORE RESERVOIR	6.60	5.48	5.73	0.87	13.2	
R-YR-AU-07	14875 Bayview Ave.	4.00	2.33	3.30	0.70	17.5	
GE Booth	GE Booth WWTP	10.80	6.62	8.84	1.96	18.1	
R-MUN-MA-15	Rouge River C.C.	6.50	4.04	5.26	1.24	19.1	
R-YR-MA-01	7021 Leslie Street	10.20	5.05	8.20	2.00	19.6	
HY061	Sue Grange Farm	4.00	2.03	3.11	0.89	22.3	
HY008	Brickworks	18.94	---	---	---	---	O
HY011	Bruces Mill CA	1.40	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	1.20	---	---	---	---	MSTT
HY060	Stouffville Dam	1.10	---	---	---	---	MSTT
HY063	Transport Canada	0.60	---	---	---	---	MSTT
HY121	Balsam at 407	1.30	---	---	---	---	MSTT
HY124	Claremont Nature Centre	1.60	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	1.40	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	1.40	---	---	---	---	MSTT
STN 04	Mississauga Central	11.47	---	---	---	---	U
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-059	BEACHES RECREATION CENTRE	13.68	---	---	---	---	T

Table 12. Summary of Individual RG Pairs for Event 1g

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-MA-03	2401 Denison St.	40.00	32.55	47.71	-7.71	-19.3	
RG 31	East Brampton Res	16.00	16.47	19.05	-3.05	-19.1	
RG 59	TULLAMORE RESERVOIR	6.60	5.52	7.73	-1.13	-17.1	
RG 23	BRITANNIA LEACHATE PUMPING	20.00	15.09	23.36	-3.36	-16.8	
R-MUN-MA-15	Rouge River C.C.	38.25	30.48	44.49	-6.24	-16.3	
HY003	Alex Duff Memorial Pool	37.00	29.89	42.90	-5.90	-15.9	
R-MUN-MA-18	Angus Glen C.C.	15.60	11.56	17.91	-2.31	-14.8	
TOR_RG-036	Ashbridges Bay	31.98	26.73	36.24	-4.26	-13.3	
R-YR-VA-24	121 Joseph Aaron Blvd	21.20	15.49	23.78	-2.58	-12.2	
HY036	Kennedy Pump Station	37.10	28.71	41.47	-4.37	-11.8	
TOR_RG-014	Richview	22.03	18.27	24.44	-2.41	-10.9	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY055	Restoration Services	15.80	14.46	17.44	-1.64	-10.4	
TOR_RG-051	Goulding	23.59	17.61	26.01	-2.42	-10.3	
TOR_RG-056	Fire Station 142	23.28	17.54	25.61	-2.33	-10.0	
HY124	Claremont Nature Centre	19.60	14.68	21.55	-1.95	-9.9	
TOR_RG-054	Fire Station 442	22.77	18.38	25.02	-2.25	-9.9	
GE Booth	GE Booth WWTP	21.00	14.87	22.97	-1.97	-9.4	
R-YR-AU-06	125 Wellington Street West	5.60	5.19	6.12	-0.52	-9.3	
RG 60	PAULINE VANIER	22.40	18.33	24.43	-2.03	-9.1	
TOR_RG-006	Allan Gardens	47.54	37.13	51.80	-4.26	-9.0	
R-YR-RH-10	124 Blackmore Avenue	14.80	9.75	16.12	-1.32	-8.9	
R-YR-KI-03	65 Janet Ave.	6.40	6.00	6.96	-0.56	-8.7	
R-YR-VA-13	10190 Keele Street	20.40	15.07	22.15	-1.75	-8.6	
TOR_RG-012	Albion	27.61	20.82	29.98	-2.37	-8.6	
HY060	Stouffville Dam	9.99	9.28	10.82	-0.83	-8.3	
TOR_RG-037	Edwards Gardens	44.98	33.34	48.40	-3.42	-7.6	
TOR_RG-019	Jane	25.00	17.28	26.86	-1.86	-7.4	
STN 05	Winding Trail	21.32	15.17	22.81	-1.49	-7.0	
TOR_RG-015	Bering	24.54	17.60	26.19	-1.65	-6.7	
R-MUN-MA-11	Milliken Mills C.C.	40.40	29.40	43.00	-2.60	-6.4	
RG 34	MCVEAN SEWAGE PUMPING	22.60	21.18	24.04	-1.44	-6.4	
TOR_RG-025	Ancaster	27.72	20.19	29.47	-1.75	-6.3	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	5.80	5.46	6.13	-0.33	-5.7	
RG 27	RESERVOIR - WEST BRAMPTON	10.40	9.23	10.98	-0.58	-5.6	
STN 08	Tomken	31.95	22.59	33.74	-1.79	-5.6	
RG 32	RESERVOIR - AIRPORT	15.80	15.10	16.66	-0.86	-5.4	
TOR_RG-062	Harwood Hall	31.00	21.59	32.66	-1.66	-5.4	
RG 29	RESERVOIR - NORTH BRAMPTON	9.40	6.67	9.89	-0.49	-5.2	
TOR_RG-041	Heron Park	25.86	17.17	27.10	-1.24	-4.8	
R-MUN-MA-05	Thornhill C.C.	21.00	13.85	21.96	-0.96	-4.6	
HY043	Little Rouge at 16th	37.00	23.61	38.67	-1.67	-4.5	
R-YR-AU-02	14019 Bathurst St.	8.40	5.78	8.78	-0.38	-4.5	
HY021	Dufferin Reservoir	24.20	15.71	25.24	-1.04	-4.3	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY039	Kortright	15.60	13.18	16.27	-0.67	-4.3	
HY061	Sue Grange Farm	5.60	4.87	5.84	-0.24	-4.3	
TOR_RG-039	North Toronto Memorial	44.44	31.08	46.33	-1.89	-4.3	
Copper Road RG	Copper Road	25.20	18.61	26.20	-1.00	-4.0	
HY094	Broadlands Community Centre	38.20	27.19	39.61	-1.41	-3.7	
TOR_RG-028	Cummer	38.45	24.47	39.86	-1.41	-3.7	
HY011	Bruces Mill CA	13.20	9.48	13.67	-0.47	-3.6	
TOR_RG-023	Bermondsey Yard	35.33	25.06	36.61	-1.28	-3.6	
R-YR-VA-11	11201 Keele St.	15.00	10.16	15.52	-0.52	-3.5	
TOR_RG-040	Denton	34.66	25.09	35.89	-1.23	-3.5	
HY027	G Ross Dam	23.80	16.20	24.53	-0.73	-3.1	
HY130	Elmbank Community Centre	29.53	21.14	30.39	-0.86	-2.9	
HY008	Brickworks	46.10	31.87	47.28	-1.18	-2.6	
STN 06	Mississauga Valley	21.00	14.01	21.55	-0.55	-2.6	
R-MUN-MA-07	Stornoway P.S.	18.20	11.70	18.66	-0.46	-2.5	
TOR_RG-052	Etobicoke Olympium	30.05	20.32	30.77	-0.72	-2.4	
HY069	York Pumping Station	17.20	9.34	17.56	-0.36	-2.1	
TOR_RG-016	Kipling	25.97	16.77	26.51	-0.54	-2.1	
R-YR-VA-10	130 McCleary Crt.	29.40	19.04	29.96	-0.56	-1.9	
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	53.19	39.51	54.16	-0.97	-1.8	
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	30.76	20.10	31.28	-0.52	-1.7	
HY096	Caledon East Soccer Complex	6.20	6.25	6.29	-0.09	-1.5	
R-MUN-MA-08	German Mills P.S.	38.75	24.13	39.20	-0.45	-1.2	
R-MUN-MA-12	Markham Museum	33.60	21.81	34.00	-0.40	-1.2	
RG 46	St. Nicholas	6.20	5.66	6.26	-0.06	-1.0	
R-YR-VA-27	115 Starling Blvd	18.60	13.54	18.70	-0.10	-0.5	
TOR_RG-031	L'Amoreaux	39.54	27.45	39.74	-0.20	-0.5	
R-YR-VA-23	60 Burwick	30.40	20.64	30.52	-0.12	-0.4	
R-YR-KI-08	25 King Boulevard	10.20	6.03	10.23	-0.03	-0.3	
TOR_RG-017	Castle Field Yard	34.45	22.76	34.57	-0.12	-0.3	
HY009	Brock West Landfill	26.60	15.85	26.62	-0.02	-0.1	
HY031	Goodwood Pumping Station	9.40	7.68	9.41	-0.01	-0.1	
R-YR-VA-16	900 Teston Rd.	21.60	12.04	21.62	-0.02	-0.1	
TOR_RG-044	Fire Station 121	36.62	24.25	36.65	-0.03	-0.1	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY030	Glen Haffy	5.40	4.15	5.40	0.00	0.0	
HY063	Transport Canada	13.20	9.89	13.20	0.00	0.0	
HY122	Durham Works Yard	39.00	22.02	38.99	0.01	0.0	
R-YR-AU-09	1400 Wellington Street East	7.89	6.54	7.89	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	5.40	5.42	5.40	0.00	0.0	
RG 42	Caledon Reservoir	3.60	3.17	3.60	0.00	0.0	
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	14.00	9.52	13.98	0.02	0.1	
TOR_RG-001	Swansea Hall	33.05	21.16	33.03	0.02	0.1	
HY087	Westmount Park	26.60	19.60	26.55	0.05	0.2	
HY102	Petticoat Works Yard	33.80	19.43	33.74	0.06	0.2	
TOR_RG-060	MALVERN RECREATION CENTRE	35.91	21.00	35.80	0.11	0.3	
RG 62	Alloa Reservoir RG	5.20	3.39	5.18	0.02	0.4	
CALEDON EAST RG	Caledon East	5.60	5.48	5.57	0.03	0.5	
R-YR-VA-01	4738 Steeles Ave. W.	29.60	19.54	29.42	0.18	0.6	
R-YR-AU-01	242 St John's Sideroad	6.00	5.06	5.96	0.04	0.7	
RG 22	Bramalea - Fire Station 202	25.00	18.36	24.83	0.17	0.7	
Victoria Yard	Victoria Yard	5.60	4.65	5.56	0.04	0.7	
HY037	King and Albion-Vaughan	6.20	5.46	6.15	0.05	0.8	
R-YR-AU-07	14875 Bayview Ave.	8.60	7.01	8.53	0.07	0.8	
TOR_RG-034	Ellesmere Yard	32.59	20.03	32.34	0.25	0.8	
STN 12	CVC	27.78	19.03	27.52	0.26	0.9	
RG 39	Inglewood Pumping Stn	6.80	5.39	6.73	0.07	1.0	
TOR_RG-021	Emery Yard	30.11	19.65	29.82	0.29	1.0	
R-YR-NE-07	875 Stonehaven	6.40	5.25	6.33	0.07	1.1	
RG 25	RESERVOIR - BECKETT SPROULE	23.80	17.02	23.51	0.29	1.2	
HY002	Albion Hills	6.30	5.19	6.22	0.08	1.3	
STN 13	Goreway	34.36	22.46	33.89	0.47	1.4	
HY016	Danforth and Coxwell	42.20	28.31	41.58	0.62	1.5	
R-YR-VA-02	2850 Rutherford Rd.	27.40	18.67	26.99	0.41	1.5	
TOR_RG-003	Fire Station 315	48.80	34.21	48.00	0.80	1.6	
RG 20	PEEL/YORK ODOUR CONTROL	30.40	20.99	29.87	0.53	1.7	
R-MUN-MA-13	Roy H Crosby P.S.	43.60	28.60	42.83	0.77	1.8	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
STN 03	Wolfedale	21.20	12.82	20.76	0.44	2.1	
TOR_RG-013	Martin Grove	28.06	19.19	27.45	0.61	2.2	
R-MUN-MA-09	Lincoln Alexander P.S.	18.20	10.38	17.77	0.43	2.4	
R-YR-VA-03	4630 Langstaff Rd.	25.60	18.08	24.96	0.64	2.5	
R-YR-VA-04	10299 Hwy 27	12.80	10.44	12.45	0.35	2.7	
STN 01	Lakeview	23.60	14.87	22.90	0.70	3.0	
HY044	Milne Dam	48.80	31.75	47.29	1.51	3.1	
STN 14	Port Credit	24.02	13.22	23.28	0.74	3.1	
R-YR-MA-19	10 Riviera Dr.	43.00	25.69	41.63	1.37	3.2	
TOR_RG-024	Wilson	24.48	17.08	23.67	0.81	3.3	
RG 36	CHINGUACOUSY LEACHATE PUMPING	7.60	5.70	7.34	0.26	3.4	
RG 24	MULLET CREEK SEWAGE	26.00	14.84	25.06	0.94	3.6	
TOR_RG-042	Don Montgomery	37.15	22.53	35.82	1.33	3.6	
HY070	York Region Works Yard	16.20	8.78	15.58	0.62	3.8	
St. Hilary	St. Hilary Elementary School	26.40	16.41	25.39	1.01	3.8	
HY050	Morningside Works Yard	29.60	17.69	28.45	1.15	3.9	
R-YR-VA-28	675 Vellore Park Avenue	16.40	11.23	15.71	0.69	4.2	
HY099	Rathwood	31.50	18.92	30.15	1.35	4.3	
RG 26	McLaughlin - Chris Gibson Recreation Centre	22.00	13.83	21.04	0.96	4.4	
TOR_RG-002	High Park	41.83	27.10	39.99	1.84	4.4	
TOR_RG-007	Greenwood	45.71	30.03	43.69	2.02	4.4	
HY067	West Humber at Hwy7	25.00	20.90	23.78	1.22	4.9	
R-MUN-MA-22	11091 Warden Ave	14.80	9.16	14.07	0.73	4.9	
TOR_RG-045	Fairbank Memorial	38.74	23.97	36.79	1.95	5.0	
R-YR-VA-26	360 Thomas Cook Avenue	24.80	14.15	23.54	1.26	5.1	
RG 16	Hanlan	37.00	21.81	34.99	2.01	5.4	
R-YR-MA-01	7021 Leslie Street	37.60	21.95	35.50	2.10	5.6	
TOR_RG-047	Glen Long	37.49	23.15	35.40	2.09	5.6	
R-YR-RH-15	201 Yorkland Street	20.60	9.74	19.39	1.21	5.9	
R-YR-RH-01	500 Major Mackenzie Drive East.	17.00	8.53	15.98	1.02	6.0	
TOR_RG-022	Fire Station 116	46.01	25.89	43.12	2.89	6.3	
TOR_RG-048	Etobicoke	34.59	21.33	32.33	2.26	6.5	
RG 45	Bolton Recycle Center	7.00	5.27	6.54	0.46	6.6	
HY038	East Humber at Mill Road	8.20	5.86	7.65	0.55	6.7	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-WS-05	100 Weldon Rd.	13.40	10.42	12.50	0.90	6.7	
HY121	Balsam at 407	37.10	20.38	34.59	2.51	6.8	
HY083	Oak Ridges	17.70	8.61	16.44	1.26	7.1	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	50.11	27.70	46.57	3.54	7.1	
HY086	RL Clark WTP	29.18	16.90	27.04	2.14	7.3	
HY046	Mississauga Works Yard	37.10	22.40	34.37	2.73	7.4	
HY088	The Village at Black Creek	29.50	17.24	27.20	2.30	7.8	
TOR_RG-020	Finch Yard	26.79	16.24	24.71	2.08	7.8	
TOR_RG-046	Fire Station 415	32.75	20.67	30.20	2.55	7.8	
R-MUN-MA-16	Fire Hall #94	33.00	19.00	30.39	2.61	7.9	
R-YR-MA-20	30 John Allen Cameron St.	45.40	25.61	41.75	3.65	8.0	
R-MUN-MA-14	8100 Warden Ave	46.25	26.46	42.32	3.93	8.5	
TOR_RG-049	Fire Station 422	34.68	20.29	31.17	3.51	10.1	
HY033	Heart Lake CA	11.60	7.08	10.42	1.18	10.2	
TOR_RG-033	Nashdene Yard	59.45	33.16	53.38	6.07	10.2	
R-MUN-MA-21	Parkland P.S.	60.50	36.00	54.15	6.35	10.5	
TOR_RG-018	Thorncliffe	50.49	29.11	44.88	5.61	11.1	
STN 07	Streetsville	26.80	13.73	23.79	3.01	11.2	
R-YR-VA-09	11 Aviva Park Dr.	34.60	19.15	30.68	3.92	11.3	
TOR_RG-004	High Level PS	54.21	32.78	47.97	6.24	11.5	
HY041	Tullamore	9.40	5.73	8.14	1.26	13.4	
R-YR-VA-22	300 Rosedale Heights	25.40	13.15	21.75	3.65	14.4	
HY004	Bayly and Church	56.40	---	---	---	---	OMFB
STN 04	Mississauga Central	15.22	---	---	---	---	U
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-038	Fire Station 215	15.98	---	---	---	---	ND
TOR_RG-059	BEACHES RECREATION CENTRE	32.17	---	---	---	---	T

Table 13. Summary of Individual RG Pairs for Event 1h

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY061	Sue Grange Farm	4.80	3.65	6.45	-1.65	-34.4	
HY063	Transport Canada	2.40	2.46	2.41	-0.01	-0.4	
HY030	Glen Haffy	6.80	3.08	6.80	0.00	0.0	
R-YR-WS-05	100 Weldon Rd.	1.60	4.99	1.60	0.00	0.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 42	Caledon Reservoir	9.20	5.07	9.20	0.00	0.0	
RG 39	Inglewood Pumping Stn	4.00	2.43	3.99	0.01	0.2	
HY124	Claremont Nature Centre	2.80	1.94	2.78	0.02	0.7	
Victoria Yard	Victoria Yard	8.20	3.60	6.52	1.68	20.5	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.20	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	1.40	---	---	---	---	MSTT
Copper Road RG	Copper Road	0.00	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY002	Albion Hills	1.10	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.00	---	---	---	---	MSTT
HY011	Bruces Mill CA	1.30	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY021	Dufferin Reservoir	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	0.20	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	0.00	---	---	---	---	MSTT
HY033	Heart Lake CA	0.20	---	---	---	---	MSTT
HY036	Kennedy Pump Station	0.00	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.00	---	---	---	---	MSTT
HY039	Kortright	0.00	---	---	---	---	MSTT
HY041	Tullamore	0.40	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.20	---	---	---	---	MSTT
HY044	Milne Dam	0.20	---	---	---	---	MSTT
HY046	Mississauga Works Yard	0.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY055	Restoration Services	0.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.61	---	---	---	---	MSTT
HY067	West Humber at Hwy7	0.80	---	---	---	---	MSTT
HY069	York Pumping Station	0.00	---	---	---	---	MSTT
HY070	York Region Works Yard	0.20	---	---	---	---	MSTT
HY083	Oak Ridges	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY086	RL Clark WTP	0.11	---	---	---	---	MSTT
HY087	Westmount Park	0.20	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.00	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.00	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	1.00	---	---	---	---	MSTT
HY099	Rathwood	0.00	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	0.60	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.00	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.00	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.20	---	---	---	---	MSTT
R-MUN-MA-21	Parkland P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.00	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.00	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.00	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.20	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.00	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.00	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.20	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.00	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	0.00	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.00	---	---	---	---	MSTT
R-YR-MA-03	2401 Denison St.	0.20	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.00	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.00	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-RH-01	500 Major Mackenzie Drive East.	0.00	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.00	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	0.00	---	---	---	---	MSTT
R-YR-VA-01	4738 Steeles Ave. W.	0.20	---	---	---	---	MSTT
R-YR-VA-02	2850 Rutherford Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.00	---	---	---	---	MSTT
R-YR-VA-09	11 Aviva Park Dr.	0.20	---	---	---	---	MSTT
R-YR-VA-10	130 McCleary Crt.	0.20	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	0.00	---	---	---	---	MSTT
R-YR-VA-13	10190 Keele Street	0.00	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	0.20	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.20	---	---	---	---	MSTT
R-YR-VA-23	60 Burwick	0.00	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.00	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	0.00	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	0.20	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.00	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.20	---	---	---	---	MSTT
RG 16	Hanlan	0.00	---	---	---	---	MSTT
RG 20	PEEL/YORK ODOUR CONTROL	0.00	---	---	---	---	MSTT
RG 22	Bramalea - Fire Station 202	0.20	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	0.00	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.00	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.20	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.20	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	0.80	---	---	---	---	MSTT
RG 31	East Brampton Res	0.20	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	0.60	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 34	MCVEAN SEWAGE PUMPING	0.20	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	1.60	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.00	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.20	---	---	---	---	MSTT
RG 60	PAULINE VANIER	0.20	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.20	---	---	---	---	MSTT
STN 01	Lakeview	0.00	---	---	---	---	MSTT
STN 03	Wolfedale	0.00	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	MSTT
STN 05	Winding Trail	0.00	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.20	---	---	---	---	MSTT
STN 07	Streetsville	0.00	---	---	---	---	MSTT
STN 08	Tomken	0.23	---	---	---	---	MSTT
STN 12	CVC	0.23	---	---	---	---	MSTT
STN 13	Goreway	0.00	---	---	---	---	MSTT
STN 14	Port Credit	0.22	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.00	---	---	---	---	ND
TOR_RG-002	High Park	0.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.00	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.00	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-012	Albion	0.00	---	---	---	---	MSTT
TOR_RG-013	Martin Grove	0.00	---	---	---	---	MSTT
TOR_RG-014	Richview	0.00	---	---	---	---	MSTT
TOR_RG-015	Bering	0.00	---	---	---	---	ND
TOR_RG-016	Kipling	0.00	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.00	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.00	---	---	---	---	MSTT
TOR_RG-019	Jane	0.00	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.00	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.00	---	---	---	---	MSTT
TOR_RG-022	Fire Station 116	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-023	Bermondsey Yard	0.00	---	---	---	---	MSTT
TOR_RG-024	Wilson	0.00	---	---	---	---	MSTT
TOR_RG-025	Ancaster	0.00	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.00	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.00	---	---	---	---	MSTT
TOR_RG-033	Nashdene Yard	0.00	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.00	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.00	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.00	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.00	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.00	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.00	---	---	---	---	ND
TOR_RG-046	Fire Station 415	0.00	---	---	---	---	MSTT
TOR_RG-047	Glen Long	0.00	---	---	---	---	ND
TOR_RG-048	Etobicoke	0.00	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	0.00	---	---	---	---	ND
TOR_RG-051	Goulding	0.00	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	0.00	---	---	---	---	MSTT
TOR_RG-056	Fire Station 142	0.00	---	---	---	---	MSTT
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-062	Harwood Hall	0.00	---	---	---	---	MSTT

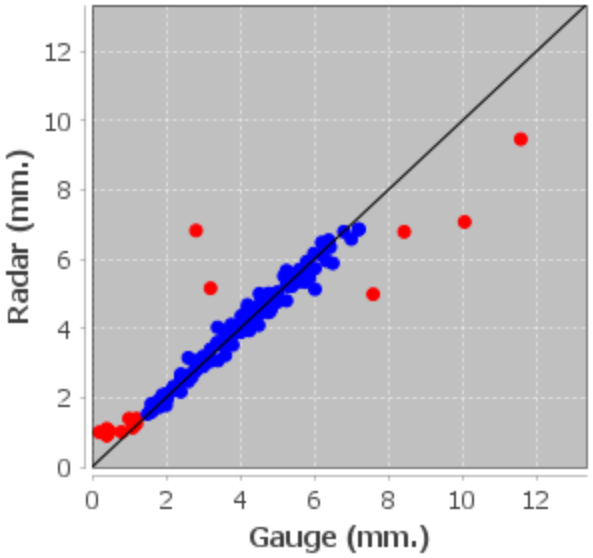


Figure 3. Scatter Plot of RG Pairs for Event 1a

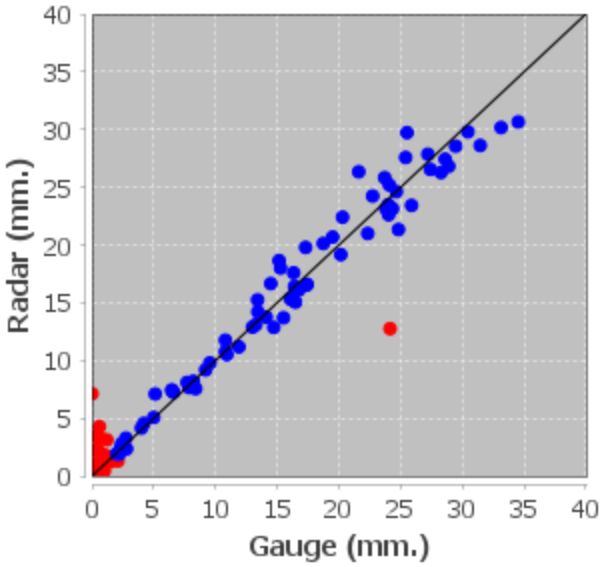


Figure 4. Scatter Plot of RG Pairs for Event 1b

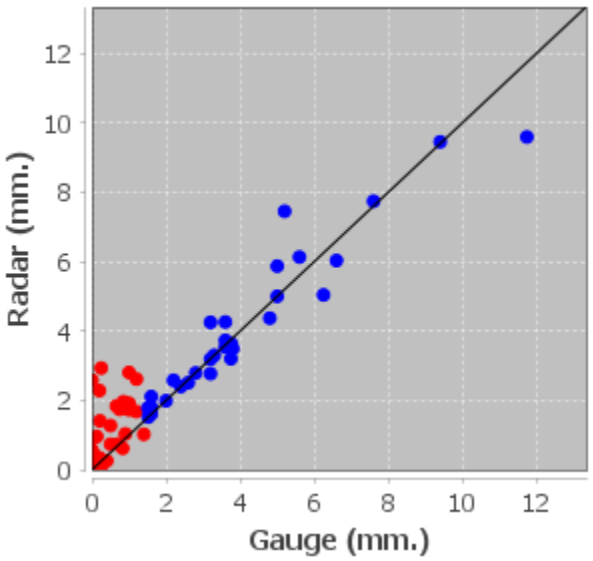


Figure 5. Scatter Plot of RG Pairs for Event 1c

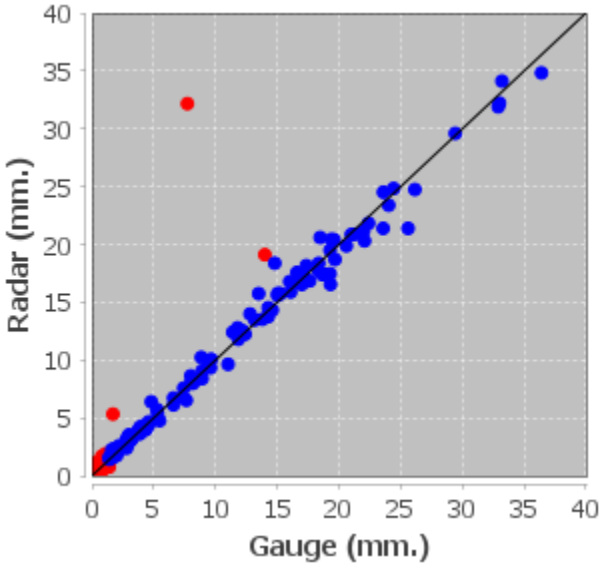


Figure 6. Scatter Plot of RG Pairs for Event 1d

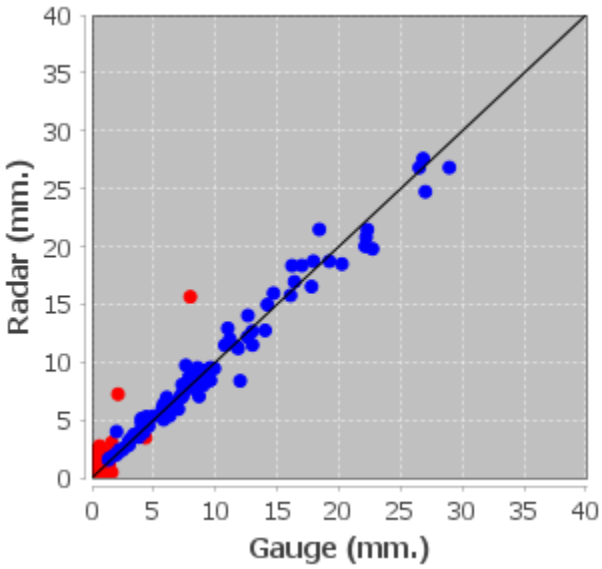


Figure 7. Scatter Plot of RG Pairs for Event 1e

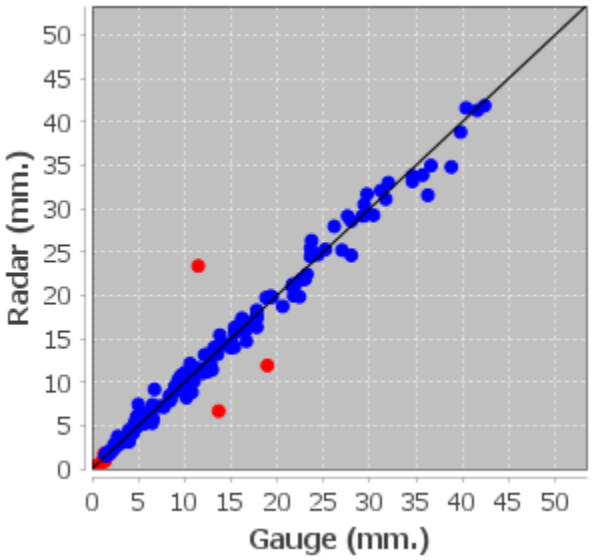


Figure 8. Scatter Plot of RG Pairs for Event 1f

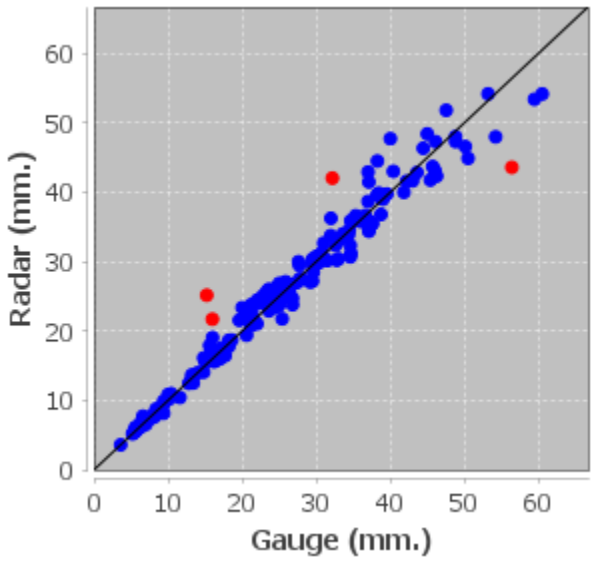


Figure 9. Scatter Plot of RG Pairs for Event 1g

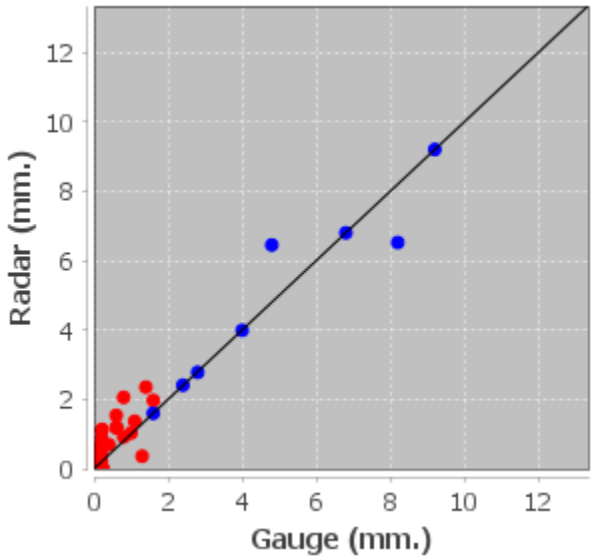


Figure 10. Scatter Plot of RG Pairs for Event 1h

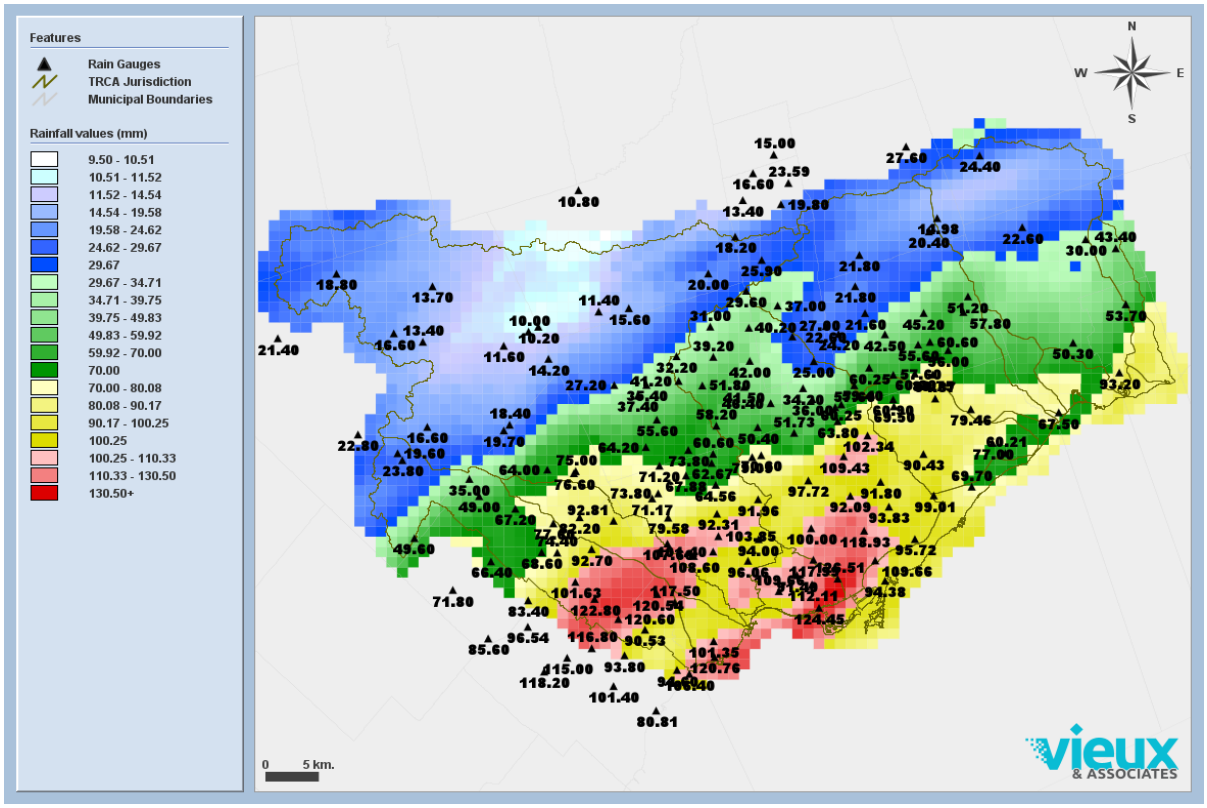


Figure 11. GARR Storm Total for Event 1

Event 2: 2024-08-17

The analysis period was from 2024-08-17 04:00 EST to 2024-08-19 01:00 EST. The event was then split into eleven sub-event periods at 2024-08-17 09:30 EST, 2024-08-17 12:30 EST, 2024-08-17 13:30 EST, 2024-08-17 14:45 EST, 2024-08-17 17:00 EST, 2024-08-17 23:00 EST, 2024-08-18 09:30 EST, 2024-08-18 14:00 EST, 2024-08-18 16:00 EST and 2024-08-18 19:00 EST to improve gauge adjustment of the radar.

The gauges listed in Appendix A were not used to adjust the radar due to inconsistencies between the gauge and the radar or surrounding gauges, or they did not have data available for this event. The gauges listed in Appendix B were not used to adjust the radar since they did not meet statistical criteria for gauge-adjustment.

A convective Z-R relationship was used to convert radar reflectivity to rainfall rates. Table 14 shows the mean bias and average depth of the event along with the AD and CAD, respectively. Tables 15 - 25 summarize the results for each RG pair used for final radar adjustment, where G_i is the gauge estimate, R_i is the non-adjusted radar estimate, R_i* is the GARR estimate, and Diff* (%) is the percent difference between the gauge and GARR estimate. Those gauges not used to adjust the radar are shown at the bottom of the table and are highlighted in red. The specific reason for gauge exclusion is displayed in the Flag column. Figures 12 - 22 show the scatter plots of the gauge-adjusted RG pairs. Those gauges not used to adjust the radar are shown in red. Figure 23

depicts the GARR storm total over the 1-km^2 pixels. The GARR amounts for the 2961 1-km^2 pixels range from 1.2 - 167.5 millimeters with a mean of 52.2 millimeters.

Table 14. GARR Statistics for Event 2

Event #	Radar	Event Date	Start Time (EST)	End Time (EST)	Gauges Used (170)	Avg. Depth (mm)	Bias	AD (%)	CAD (%)
E2a	KBUF LII	2024-08-17	2024-08-17 04:05	2024-08-17 09:30	51	2.051	1.434	30.4	13.7
E2b	KBUF LII	2024-08-17	2024-08-17 09:35	2024-08-17 12:30	98	6.648	1.147	27.4	11.1
E2c	KBUF LII	2024-08-17	2024-08-17 12:35	2024-08-17 13:30	118	8.046	1.158	25.3	9.6
E2d	KBUF LII	2024-08-17	2024-08-17 13:35	2024-08-17 14:45	95	5.334	1.170	30.7	9.6
E2e	KBUF LII	2024-08-17	2024-08-17 14:50	2024-08-17 17:00	138	10.565	1.099	22.3	8.7
E2f	KBUF LII	2024-08-17	2024-08-17 17:05	2024-08-17 23:00	61	4.428	0.996	28.1	9.0
E2g	KBUF LII	2024-08-17	2024-08-17 23:05	2024-08-18 09:30	17	1.236	1.739	37.4	11.4
E2h	KBUF LII	2024-08-17	2024-08-18 09:35	2024-08-18 14:00	55	5.539	0.828	57.1	15.0
E2i	KBUF LII	2024-08-17	2024-08-18 14:05	2024-08-18 16:00	69	4.603	1.157	27.1	9.4
E2j	KBUF LII	2024-08-17	2024-08-18 16:05	2024-08-18 19:00	111	3.237	1.110	14.2	6.2
E2k	KBUF LII	2024-08-17	2024-08-18 19:05	2024-08-19 01:00	13	0.517	1.427	57.6	31.2

Table 15. Summary of Individual RG Pairs for Event 2a

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-01	4738 Steeles Ave. W.	4.40	6.13	7.53	-3.13	-71.1	
RG 16	Hanlan	4.60	7.01	7.66	-3.06	-66.5	
TOR_RG-056	Fire Station 142	4.45	4.66	6.78	-2.33	-52.4	
R-YR-VA-10	130 McCleary Crt.	1.40	1.60	2.07	-0.67	-47.9	
Copper Road RG	Copper Road	5.00	4.45	6.56	-1.56	-31.2	
RG 23	BRITANNIA LEACHATE PUMPING	1.40	1.29	1.75	-0.35	-25.0	
R-YR-VA-04	10299 Hwy 27	1.80	1.49	2.22	-0.42	-23.3	
STN 13	Goreway	9.37	8.64	11.30	-1.93	-20.6	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 34	MCVEAN SEWAGE PUMPING	3.20	2.72	3.80	-0.60	-18.7	
HY041	Tullamore	2.40	1.84	2.80	-0.40	-16.7	
R-YR-VA-11	11201 Keele St.	6.80	5.56	7.75	-0.95	-14.0	
R-YR-VA-27	115 Starling Blvd	15.00	11.81	16.99	-1.99	-13.3	
HY038	East Humber at Mill Road	1.60	1.38	1.80	-0.20	-12.5	
R-YR-AU-02	14019 Bathurst St.	1.80	1.74	2.00	-0.20	-11.1	
HY067	West Humber at Hwy7	3.40	2.59	3.67	-0.27	-7.9	
STN 12	CVC	3.70	3.42	3.98	-0.28	-7.6	
R-YR-AU-01	242 St John's Sideroad	2.00	1.44	2.10	-0.10	-5.0	
RG 26	McLaughlin - Chris Gibson Recreation Centre	3.40	2.53	3.51	-0.11	-3.2	
R-YR-KI-08	25 King Boulevard	5.60	4.72	5.76	-0.16	-2.9	
R-YR-VA-03	4630 Langstaff Rd.	31.40	22.12	32.31	-0.91	-2.9	
HY069	York Pumping Station	3.20	2.11	3.26	-0.06	-1.9	
R-YR-RH-15	201 Yorkland Street	4.80	2.90	4.89	-0.09	-1.9	
RG 22	Bramalea - Fire Station 202	3.40	2.18	3.43	-0.03	-0.9	
RG 24	MULLET CREEK SEWAGE	3.20	2.80	3.22	-0.02	-0.6	
HY130	Elmbank Community Centre	5.66	4.68	5.68	-0.02	-0.4	
RG 60	PAULINE VANIER	3.40	2.72	3.40	0.00	0.0	
RG 45	Bolton Recycle Center	8.20	4.08	8.17	0.03	0.4	
R-YR-VA-09	11 Aviva Park Dr.	3.40	2.27	3.36	0.04	1.2	
R-YR-VA-28	675 Vellore Park Avenue	11.20	7.61	11.01	0.19	1.7	
R-YR-VA-13	10190 Keele Street	10.60	7.19	10.41	0.19	1.8	
RG 27	RESERVOIR - WEST BRAMPTON	2.00	1.27	1.96	0.04	2.0	
TOR_RG-012	Albion	5.19	4.09	5.02	0.17	3.3	
RG 31	East Brampton Res	7.80	3.85	7.38	0.42	5.4	
R-YR-VA-02	2850 Rutherford Rd.	28.60	19.34	27.02	1.58	5.5	
HY046	Mississauga Works Yard	15.80	9.95	14.68	1.12	7.1	
R-YR-KI-03	65 Janet Ave.	2.60	1.54	2.37	0.23	8.8	
R-YR-AU-06	125 Wellington Street West	2.80	1.73	2.54	0.26	9.3	
R-YR-VA-23	60 Burwick	33.80	23.92	30.62	3.18	9.4	
HY055	Restoration Services	13.60	7.65	12.30	1.30	9.6	
STN 07	Streetsville	2.80	1.80	2.52	0.28	10.0	
R-YR-VA-16	900 Teston Rd.	8.00	4.05	7.19	0.81	10.1	
RG 59	TULLAMORE RESERVOIR	4.20	2.44	3.75	0.45	10.7	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY088	The Village at Black Creek	2.60	1.43	2.32	0.28	10.8	
HY039	Kortright	15.60	8.68	13.81	1.79	11.5	
RG 25	RESERVOIR - BECKETT SPROULE	5.20	3.05	4.54	0.66	12.7	
RG 20	PEEL/YORK ODOUR CONTROL	11.40	6.47	9.91	1.49	13.1	
St. Hilary	St. Hilary Elementary School	2.20	1.28	1.91	0.29	13.2	
TOR_RG-021	Emery Yard	4.63	2.64	3.83	0.80	17.3	
RG 32	RESERVOIR - AIRPORT	7.20	3.35	5.77	1.43	19.9	
STN 08	Tomken	18.98	10.90	15.01	3.97	20.9	
TOR_RG-019	Jane	3.77	1.84	2.97	0.80	21.2	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.40	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	0.00	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY002	Albion Hills	0.10	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.00	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.20	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY021	Dufferin Reservoir	1.10	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	0.00	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	0.00	---	---	---	---	MSTT
HY033	Heart Lake CA	1.20	---	---	---	---	MSTT
HY036	Kennedy Pump Station	0.00	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.80	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.00	---	---	---	---	MSTT
HY044	Milne Dam	0.20	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.05	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.00	---	---	---	---	MSTT
HY063	Transport Canada	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY070	York Region Works Yard	0.00	---	---	---	---	MSTT
HY083	Oak Ridges	1.70	---	---	---	---	MSTT
HY086	RL Clark WTP	0.00	---	---	---	---	MSTT
HY087	Westmount Park	0.00	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.00	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.20	---	---	---	---	MSTT
HY099	Rathwood	0.60	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	0.00	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.20	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	0.25	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.40	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.00	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-21	Parkland P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.00	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.40	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.76	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.20	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.00	---	---	---	---	MSTT
R-YR-MA-03	2401 Denison St.	0.00	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.20	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.00	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.60	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.20	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.20	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.80	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-24	121 Joseph Aaron Blvd	1.80	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	2.60	---	---	---	---	OAD
R-YR-WS-05	100 Weldon Rd.	0.00	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.20	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	1.00	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.20	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	0.00	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.00	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.40	---	---	---	---	MSTT
STN 01	Lakeview	0.00	---	---	---	---	MSTT
STN 03	Wolfedale	0.00	---	---	---	---	MSTT
STN 04	Mississauga Central	0.70	---	---	---	---	U
STN 05	Winding Trail	0.00	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.00	---	---	---	---	MSTT
STN 14	Port Credit	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.00	---	---	---	---	MSTT
TOR_RG-002	High Park	0.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.03	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.00	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-013	Martin Grove	0.11	---	---	---	---	MSTT
TOR_RG-014	Richview	0.00	---	---	---	---	MSTT
TOR_RG-015	Bering	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.00	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.00	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.00	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.82	---	---	---	---	MSTT
TOR_RG-022	Fire Station 116	0.00	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.00	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-025	Ancaster	0.00	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.00	---	---	---	---	MSTT
TOR_RG-033	Nashdene Yard	0.00	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.00	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.07	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.09	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.06	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.06	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.00	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.03	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-047	Glen Long	0.00	---	---	---	---	MSTT
TOR_RG-048	Etobicoke	0.00	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	0.07	---	---	---	---	MSTT
TOR_RG-051	Goulding	0.00	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.03	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-062	Harwood Hall	0.00	---	---	---	---	MSTT
Victoria Yard	Victoria Yard	0.00	---	---	---	---	MSTT

Table 16. Summary of Individual RG Pairs for Event 2b

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-26	360 Thomas Cook Avenue	2.20	4.80	4.12	-1.92	-87.3	
HY094	Broadlands Community Centre	3.90	8.23	6.24	-2.34	-60.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY036	Kennedy Pump Station	2.90	6.26	4.16	-1.26	-43.4	
R-YR-VA-24	121 Joseph Aaron Blvd	9.60	13.88	13.53	-3.93	-40.9	
R-YR-VA-04	10299 Hwy 27	4.00	6.67	5.31	-1.31	-32.7	
R-MUN-MA-05	Thornhill C.C.	10.00	12.65	13.16	-3.16	-31.6	
R-YR-VA-28	675 Vellore Park Avenue	3.20	4.12	4.13	-0.93	-29.1	
STN 06	Mississauga Valley	16.40	18.35	21.07	-4.67	-28.5	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	1.60	2.26	2.04	-0.44	-27.5	
TOR_RG-051	Goulding	15.07	21.26	19.01	-3.94	-26.1	
TOR_RG-021	Emery Yard	17.09	17.19	21.13	-4.04	-23.6	
Copper Road RG	Copper Road	12.20	21.60	15.04	-2.84	-23.3	
R-MUN-MA-07	Stornoway P.S.	6.20	7.58	7.49	-1.29	-20.8	
R-YR-KI-03	65 Janet Ave.	2.20	1.84	2.63	-0.43	-19.5	
TOR_RG-047	Glen Long	19.69	17.55	23.09	-3.40	-17.3	
RG 20	PEEL/YORK ODOUR CONTROL	10.60	15.90	12.30	-1.70	-16.0	
RG 25	RESERVOIR - BECKETT SPROULE	9.60	16.45	11.05	-1.45	-15.1	
HY087	Westmount Park	31.40	31.20	35.96	-4.56	-14.5	
RG 32	RESERVOIR - AIRPORT	8.00	9.93	9.16	-1.16	-14.5	
R-YR-VA-23	60 Burwick	10.60	11.13	11.93	-1.33	-12.5	
R-YR-VA-09	11 Aviva Park Dr.	11.20	9.78	12.17	-0.97	-8.7	
TOR_RG-025	Ancaster	23.05	21.15	25.03	-1.98	-8.6	
TOR_RG-017	Castle Field Yard	23.22	18.45	25.17	-1.95	-8.4	
R-YR-MA-03	2401 Denison St.	2.60	4.70	2.81	-0.21	-8.1	
R-YR-VA-10	130 McCleary Crt.	9.40	8.11	10.04	-0.64	-6.8	
HY037	King and Albion-Vaughan	1.40	1.65	1.49	-0.09	-6.4	
HY041	Tullamore	6.90	7.45	7.29	-0.39	-5.7	
STN 08	Tomken	28.24	30.65	29.85	-1.61	-5.7	
RG 60	PAULINE VANIER	23.40	24.16	24.65	-1.25	-5.3	
TOR_RG-014	Richview	33.04	31.67	34.75	-1.71	-5.2	
STN 13	Goreway	18.07	21.94	18.92	-0.85	-4.7	
STN 07	Streetsville	75.20	60.09	78.48	-3.28	-4.4	
TOR_RG-052	Etobicoke Olympium	39.12	31.70	40.80	-1.68	-4.3	
HY061	Sue Grange Farm	2.40	1.89	2.50	-0.10	-4.2	
Victoria Yard	Victoria Yard	3.20	2.53	3.32	-0.12	-3.7	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY033	Heart Lake CA	16.60	15.79	17.17	-0.57	-3.4	
TOR_RG-048	Etobicoke	31.43	24.14	32.48	-1.05	-3.3	
RG 27	RESERVOIR - WEST BRAMPTON	11.20	16.54	11.56	-0.36	-3.2	
HY055	Restoration Services	7.00	7.67	7.22	-0.22	-3.1	
TOR_RG-062	Harwood Hall	22.12	15.97	22.81	-0.69	-3.1	
TOR_RG-056	Fire Station 142	33.38	25.65	34.01	-0.63	-1.9	
R-MUN-MA-08	German Mills P.S.	15.00	12.52	15.27	-0.27	-1.8	
RG 24	MULLET CREEK SEWAGE	24.40	22.30	24.81	-0.41	-1.7	
HY130	Elmbank Community Centre	23.90	21.12	24.19	-0.29	-1.2	
TOR_RG-037	Edwards Gardens	8.77	8.80	8.87	-0.10	-1.1	
HY099	Rathwood	57.10	43.99	57.47	-0.37	-0.6	
TOR_RG-001	Swansea Hall	5.81	3.74	5.83	-0.02	-0.3	
HY096	Caledon East Soccer Complex	3.00	1.46	3.00	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	1.80	1.33	1.80	0.00	0.0	
RG 26	McLaughlin - Chris Gibson Recreation Centre	10.00	13.11	9.98	0.02	0.2	
TOR_RG-044	Fire Station 121	16.39	12.68	16.35	0.04	0.2	
RG 62	Alloa Reservoir RG	15.60	13.99	15.52	0.08	0.5	
STN 03	Wolfedale	10.60	9.32	10.55	0.05	0.5	
TOR_RG-013	Martin Grove	33.50	30.62	33.31	0.19	0.6	
R-YR-VA-16	900 Teston Rd.	3.20	2.70	3.16	0.04	1.3	
TOR_RG-028	Cummer	14.84	11.43	14.62	0.22	1.5	
R-YR-VA-11	11201 Keele St.	2.60	2.19	2.55	0.05	1.9	
TOR_RG-031	L'Amoreaux	4.10	5.82	4.02	0.08	2.0	
R-YR-VA-03	4630 Langstaff Rd.	11.80	10.80	11.36	0.44	3.7	
R-MUN-MA-11	Milliken Mills C.C.	3.40	5.36	3.27	0.13	3.8	
RG 29	RESERVOIR - NORTH BRAMPTON	14.60	12.40	13.98	0.62	4.2	
HY067	West Humber at Hwy7	10.40	10.19	9.95	0.45	4.3	
RG 23	BRITANNIA LEACHATE PUMPING	87.00	61.04	83.26	3.74	4.3	
RG 59	TULLAMORE RESERVOIR	7.00	6.83	6.68	0.32	4.6	
RG 46	St. Nicholas	3.40	3.44	3.24	0.16	4.7	
TOR_RG-039	North Toronto Memorial	9.60	5.93	9.10	0.50	5.2	
RG 31	East Brampton Res	13.80	13.39	13.05	0.75	5.4	
TOR_RG-012	Albion	24.16	19.49	22.65	1.51	6.3	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-02	2850 Rutherford Rd.	11.40	9.36	10.66	0.74	6.5	
R-YR-VA-27	115 Starling Blvd	7.20	6.14	6.70	0.50	6.9	
RG 34	MCVEAN SEWAGE PUMPING	10.60	9.97	9.82	0.78	7.4	
St. Hilary	St. Hilary Elementary School	82.20	57.56	76.13	6.07	7.4	
TOR_RG-033	Nashdene Yard	1.98	2.80	1.83	0.15	7.6	
R-YR-VA-01	4738 Steeles Ave. W.	14.20	11.42	13.10	1.10	7.7	
R-YR-RH-01	500 Major Mackenzie Drive East.	3.60	2.75	3.32	0.28	7.8	
STN 12	CVC	34.73	26.97	32.01	2.72	7.8	
RG 36	CHINGUACOUSY LEACHATE PUMPING	5.80	3.40	5.34	0.46	7.9	
TOR_RG-015	Bering	26.94	16.15	24.76	2.18	8.1	
HY069	York Pumping Station	2.40	1.29	2.20	0.20	8.3	
R-YR-RH-10	124 Blackmore Avenue	5.40	4.40	4.95	0.45	8.3	
TOR_RG-020	Finch Yard	28.93	22.11	26.52	2.41	8.3	
HY021	Dufferin Reservoir	6.00	5.50	5.49	0.51	8.5	
HY046	Mississauga Works Yard	23.10	25.32	21.12	1.98	8.6	
RG 16	Hanlan	67.20	50.06	60.67	6.53	9.7	
RG 22	Bramalea - Fire Station 202	11.60	13.64	10.39	1.21	10.4	
R-YR-VA-13	10190 Keele Street	5.60	4.63	5.00	0.60	10.7	
HY039	Kortright	7.60	6.94	6.78	0.82	10.8	
HY088	The Village at Black Creek	22.70	14.76	20.23	2.47	10.9	
TOR_RG-049	Fire Station 422	24.26	14.61	21.58	2.68	11.0	
STN 05	Winding Trail	33.29	22.16	29.38	3.91	11.7	
HY038	East Humber at Mill Road	4.40	2.15	3.88	0.52	11.8	
TOR_RG-022	Fire Station 116	14.71	8.71	12.53	2.18	14.8	
TOR_RG-019	Jane	29.91	18.35	25.26	4.65	15.5	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	9.21	5.57	7.78	1.43	15.5	
RG 45	Bolton Recycle Center	3.40	2.01	2.76	0.64	18.8	
R-YR-MA-01	7021 Leslie Street	21.20	14.26	17.11	4.09	19.3	
TOR_RG-045	Fairbank Memorial	20.20	11.22	16.18	4.02	19.9	
R-YR-VA-22	300 Rosedale Heights	11.20	8.98	8.90	2.30	20.5	
CALEDON EAST RG	Caledon East	0.20	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY002	Albion Hills	0.30	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.80	---	---	---	---	MSTT
HY004	Bayly and Church	0.20	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.10	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.00	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	0.60	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	0.00	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.00	---	---	---	---	MSTT
HY044	Milne Dam	1.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.00	---	---	---	---	MSTT
HY063	Transport Canada	0.00	---	---	---	---	MSTT
HY070	York Region Works Yard	0.60	---	---	---	---	MSTT
HY083	Oak Ridges	1.40	---	---	---	---	MSTT
HY086	RL Clark WTP	0.45	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.20	---	---	---	---	MSTT
HY121	Balsam at 407	0.00	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.00	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	1.75	---	---	---	---	OAD
R-MUN-MA-15	Rouge River C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.25	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
R-MUN-MA-21	Parkland P.S.	0.25	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.40	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.00	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	1.20	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.20	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.00	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-KI-08	25 King Boulevard	1.20	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	1.20	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.00	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.20	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	0.20	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.00	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.00	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	1.00	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.40	---	---	---	---	MSTT
STN 01	Lakeview	0.60	---	---	---	---	MSTT
STN 04	Mississauga Central	39.80	---	---	---	---	U
STN 14	Port Credit	0.00	---	---	---	---	MSTT
TOR_RG-002	High Park	1.39	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.69	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.00	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.85	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.00	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	1.25	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-034	Ellesmere Yard	0.31	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.00	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	T
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT

Table 17. Summary of Individual RG Pairs for Event 2c

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-007	Greenwood	1.36	2.60	1.97	-0.61	-44.9	
TOR_RG-048	Etobicoke	13.92	24.11	19.23	-5.31	-38.1	
TOR_RG-037	Edwards Gardens	10.10	14.73	13.87	-3.77	-37.3	
TOR_RG-041	Heron Park	3.27	4.13	4.30	-1.03	-31.5	
R-MUN-MA-11	Milliken Mills C.C.	18.60	18.22	24.11	-5.51	-29.6	
HY087	Westmount Park	18.20	26.66	23.32	-5.12	-28.1	
HY130	Elmbank Community Centre	9.47	10.88	12.07	-2.60	-27.5	
STN 05	Winding Trail	19.40	30.44	24.45	-5.05	-26.0	
R-YR-VA-02	2850 Rutherford Rd.	2.20	2.15	2.77	-0.57	-25.9	
STN 03	Wolfedale	10.40	19.23	13.05	-2.65	-25.5	
TOR_RG-002	High Park	4.57	7.58	5.70	-1.13	-24.7	
TOR_RG-003	Fire Station 315	2.52	4.26	3.09	-0.57	-22.6	
TOR_RG-033	Nashdene Yard	17.31	17.08	21.08	-3.77	-21.8	
HY043	Little Rouge at 16th	13.80	17.33	16.62	-2.82	-20.4	
HY044	Milne Dam	27.00	22.27	32.18	-5.18	-19.2	
TOR_RG-042	Don Montgomery	6.11	8.67	7.21	-1.10	-18.0	
R-YR-VA-01	4738 Steeles Ave. W.	3.80	4.03	4.48	-0.68	-17.9	
HY021	Dufferin Reservoir	4.10	3.88	4.83	-0.73	-17.8	
STN 06	Mississauga Valley	19.00	27.22	22.11	-3.11	-16.4	
R-YR-VA-24	121 Joseph Aaron Blvd	11.00	9.81	12.64	-1.64	-14.9	
RG 25	RESERVOIR - BECKETT SPROULE	7.20	6.00	8.22	-1.02	-14.2	
TOR_RG-022	Fire Station 116	14.49	15.43	16.49	-2.00	-13.8	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	13.71	13.28	15.60	-1.89	-13.8	
RG 32	RESERVOIR - AIRPORT	3.20	2.40	3.63	-0.43	-13.4	
R-YR-VA-11	11201 Keele St.	2.80	2.20	3.14	-0.34	-12.1	
RG 20	PEEL/YORK ODOUR CONTROL	9.20	6.65	10.17	-0.97	-10.5	
RG 60	PAULINE VANIER	3.00	3.45	3.31	-0.31	-10.3	
HY088	The Village at Black Creek	11.30	9.88	12.43	-1.13	-10.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-MUN-MA-14	8100 Warden Ave	18.75	15.59	20.51	-1.76	-9.4	
R-YR-VA-16	900 Teston Rd.	4.60	3.63	5.03	-0.43	-9.3	
R-YR-RH-10	124 Blackmore Avenue	9.00	6.19	9.71	-0.71	-7.9	
TOR_RG-004	High Level PS	4.96	6.66	5.31	-0.35	-7.1	
TOR_RG-017	Castle Field Yard	12.92	15.44	13.73	-0.81	-6.3	
TOR_RG-001	Swansea Hall	6.70	8.34	7.11	-0.41	-6.1	
HY121	Balsam at 407	18.10	15.56	19.09	-0.99	-5.5	
TOR_RG-028	Cummer	29.31	22.07	30.89	-1.58	-5.4	
GE Booth	GE Booth WWTP	2.60	3.08	2.73	-0.13	-5.0	
RG 23	BRITANNIA LEACHATE PUMPING	13.20	12.95	13.86	-0.66	-5.0	
TOR_RG-018	Thorncliffe	6.79	7.95	7.13	-0.34	-5.0	
TOR_RG-021	Emery Yard	14.02	12.10	14.68	-0.66	-4.7	
HY086	RL Clark WTP	1.87	2.32	1.95	-0.08	-4.3	
HY060	Stouffville Dam	4.77	3.21	4.95	-0.18	-3.8	
TOR_RG-051	Goulding	18.06	13.53	18.52	-0.46	-2.5	
R-YR-MA-20	30 John Allen Cameron St.	22.20	21.20	22.73	-0.53	-2.4	
R-YR-VA-23	60 Burwick	2.00	1.92	2.04	-0.04	-2.0	
RG 27	RESERVOIR - WEST BRAMPTON	14.60	12.52	14.86	-0.26	-1.8	
HY011	Bruces Mill CA	6.50	3.85	6.61	-0.11	-1.7	
HY069	York Pumping Station	4.80	2.90	4.88	-0.08	-1.7	
TOR_RG-016	Kipling	2.95	3.55	3.00	-0.05	-1.7	
R-YR-VA-10	130 McCleary Crt.	5.80	4.86	5.88	-0.08	-1.4	
RG 16	Hanlan	24.60	21.59	24.92	-0.32	-1.3	
RG 31	East Brampton Res	6.80	4.53	6.89	-0.09	-1.3	
TOR_RG-025	Ancaster	25.46	24.66	25.79	-0.33	-1.3	
R-YR-VA-26	360 Thomas Cook Avenue	6.60	5.10	6.67	-0.07	-1.1	
HY004	Bayly and Church	7.00	7.22	7.06	-0.06	-0.9	
STN 07	Streetsville	8.00	7.77	8.03	-0.03	-0.4	
TOR_RG-060	MALVERN RECREATION CENTRE	27.01	23.95	27.11	-0.10	-0.4	
RG 24	MULLET CREEK SEWAGE	3.20	3.25	3.21	-0.01	-0.3	
STN 08	Tomken	9.72	8.08	9.75	-0.03	-0.3	
HY009	Brock West Landfill	8.70	8.42	8.70	0.00	0.0	
HY122	Durham Works Yard	6.10	5.48	6.10	0.00	0.0	
R-YR-AU-09	1400 Wellington Street East	2.61	1.56	2.61	0.00	0.0	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-RH-15	201 Yorkland Street	8.40	5.24	8.40	0.00	0.0	
HY063	Transport Canada	9.20	6.23	9.19	0.01	0.1	
R-MUN-MA-07	Stornoway P.S.	10.60	6.89	10.58	0.02	0.2	
TOR_RG-034	Ellesmere Yard	25.70	24.23	25.56	0.14	0.5	
TOR_RG-045	Fairbank Memorial	13.38	15.09	13.29	0.09	0.7	
TOR_RG-019	Jane	15.83	12.41	15.70	0.13	0.8	
TOR_RG-047	Glen Long	15.61	16.94	15.47	0.14	0.9	
R-YR-RH-01	500 Major Mackenzie Drive East.	9.00	5.61	8.89	0.11	1.2	
R-MUN-MA-22	11091 Warden Ave	8.00	4.41	7.89	0.11	1.4	
TOR_RG-062	Harwood Hall	10.52	11.65	10.36	0.16	1.5	
RG 34	MCVEAN SEWAGE PUMPING	5.20	3.15	5.11	0.09	1.7	
Copper Road RG	Copper Road	8.20	5.86	8.05	0.15	1.8	
R-MUN-MA-15	Rouge River C.C.	27.00	18.90	26.23	0.77	2.9	
R-MUN-MA-08	German Mills P.S.	30.25	20.00	29.33	0.92	3.0	
RG 26	McLaughlin - Chris Gibson Recreation Centre	19.20	13.63	18.60	0.60	3.1	
R-MUN-MA-09	Lincoln Alexander P.S.	11.40	6.35	11.03	0.37	3.2	
R-YR-WS-05	100 Weldon Rd.	6.40	3.95	6.18	0.22	3.4	
TOR_RG-031	L'Amoreaux	20.75	15.42	19.98	0.77	3.7	
HY102	Petticoat Works Yard	10.80	6.69	10.39	0.41	3.8	
R-MUN-MA-05	Thornhill C.C.	15.00	9.42	14.38	0.62	4.1	
HY036	Kennedy Pump Station	21.40	15.74	20.47	0.93	4.3	
R-MUN-MA-21	Parkland P.S.	24.75	17.21	23.67	1.08	4.4	
HY124	Claremont Nature Centre	25.40	18.03	24.19	1.21	4.8	
TOR_RG-020	Finch Yard	21.99	16.61	20.92	1.07	4.9	
TOR_RG-038	Fire Station 215	4.05	3.36	3.85	0.20	4.9	
HY070	York Region Works Yard	9.80	5.26	9.28	0.52	5.3	
STN 14	Port Credit	4.80	4.32	4.52	0.28	5.8	
HY083	Oak Ridges	4.50	2.02	4.21	0.29	6.4	
HY067	West Humber at Hwy7	5.60	3.24	5.23	0.37	6.6	
TOR_RG-014	Richview	40.51	39.76	37.82	2.69	6.6	
TOR_RG-044	Fire Station 121	25.07	20.75	23.42	1.65	6.6	
TOR_RG-039	North Toronto Memorial	16.63	16.53	15.39	1.24	7.5	
STN 01	Lakeview	4.00	4.11	3.68	0.32	8.0	
TOR_RG-013	Martin Grove	44.40	36.63	40.51	3.89	8.8	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-MA-01	7021 Leslie Street	30.80	18.93	27.89	2.91	9.4	
TOR_RG-015	Bering	5.93	6.00	5.30	0.63	10.6	
R-MUN-MA-12	Markham Museum	22.80	14.03	20.35	2.45	10.7	
R-MUN-MA-16	Fire Hall #94	22.25	12.39	19.87	2.38	10.7	
TOR_RG-056	Fire Station 142	35.32	24.33	31.52	3.80	10.8	
R-YR-VA-13	10190 Keele Street	6.80	4.12	6.00	0.80	11.8	
R-MUN-MA-13	Roy H Crosby P.S.	36.00	21.58	31.66	4.34	12.1	
HY094	Broadlands Community Centre	26.30	19.27	22.99	3.31	12.6	
HY099	Rathwood	56.90	48.27	49.59	7.31	12.8	
HY050	Morningside Works Yard	10.80	8.73	9.40	1.40	13.0	
R-YR-VA-09	11 Aviva Park Dr.	7.00	4.91	6.05	0.95	13.6	
R-YR-MA-03	2401 Denison St.	29.40	18.34	25.35	4.05	13.8	
R-YR-VA-22	300 Rosedale Heights	11.80	7.06	10.12	1.68	14.2	
TOR_RG-052	Etobicoke Olympium	44.72	44.77	38.30	6.42	14.4	
TOR_RG-049	Fire Station 422	10.02	9.48	8.57	1.45	14.5	
R-YR-VA-28	675 Vellore Park Avenue	3.20	1.49	2.73	0.47	14.7	
TOR_RG-023	Bermondsey Yard	16.93	12.11	14.38	2.55	15.1	
St. Hilary	St. Hilary Elementary School	38.80	30.46	32.67	6.13	15.8	
RG 22	Bramalea - Fire Station 202	12.80	6.88	10.76	2.04	15.9	
HY016	Danforth and Coxwell	3.00	3.16	2.52	0.48	16.0	
HY003	Alex Duff Memorial Pool	7.00	7.67	5.86	1.14	16.3	
TOR_RG-012	Albion	15.24	11.04	12.38	2.86	18.8	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.00	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	0.00	---	---	---	---	MSTT
HY002	Albion Hills	0.00	---	---	---	---	MSTT
HY008	Brickworks	1.45	---	---	---	---	OAD
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	0.00	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	3.00	---	---	---	---	MSTT
HY033	Heart Lake CA	2.00	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.40	---	---	---	---	MSTT
HY039	Kortright	1.40	---	---	---	---	MSTT
HY041	Tullamore	0.70	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY046	Mississauga Works Yard	4.00	---	---	---	---	U
HY055	Restoration Services	1.00	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.00	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
R-YR-AU-01	242 St John's Sideroad	1.00	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	1.20	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	1.00	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	2.60	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.20	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.00	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	1.60	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	18.80	---	---	---	---	U
R-YR-NE-07	875 Stonehaven	1.00	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	1.80	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.80	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	1.80	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	1.20	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	1.20	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	0.00	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.00	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.00	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.40	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	3.00	---	---	---	---	MSTT
STN 04	Mississauga Central	18.49	---	---	---	---	U
STN 12	CVC	1.16	---	---	---	---	MSTT
STN 13	Goreway	6.47	---	---	---	---	U
TOR_RG-006	Allan Gardens	0.15	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-036	Ashbridges Bay	0.09	---	---	---	---	MSTT
TOR_RG-040	Denton	0.71	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.15	---	---	---	---	T
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.29	---	---	---	---	MSTT
Victoria Yard	Victoria Yard	0.00	---	---	---	---	MSTT

Table 18. Summary of Individual RG Pairs for Event 2d

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-04	10299 Hwy 27	1.80	3.54	3.51	-1.71	-95.0	
TOR_RG-051	Goulding	15.01	19.44	20.19	-5.18	-34.5	
HY044	Milne Dam	2.40	5.43	3.13	-0.73	-30.4	
RG 20	PEEL/YORK ODOUR CONTROL	4.00	5.31	5.13	-1.13	-28.2	
TOR_RG-025	Ancaster	5.26	6.94	6.71	-1.45	-27.6	
TOR_RG-039	North Toronto Memorial	1.77	3.17	2.20	-0.43	-24.3	
HY036	Kennedy Pump Station	3.00	5.47	3.68	-0.68	-22.7	
R-YR-MA-01	7021 Leslie Street	16.80	17.60	20.25	-3.45	-20.5	
HY121	Balsam at 407	2.10	1.77	2.49	-0.39	-18.6	
R-YR-MA-20	30 John Allen Cameron St.	2.00	2.83	2.37	-0.37	-18.5	
TOR_RG-012	Albion	17.44	14.93	20.54	-3.10	-17.8	
TOR_RG-022	Fire Station 116	2.54	3.85	2.99	-0.45	-17.7	
TOR_RG-056	Fire Station 142	21.24	18.51	25.01	-3.77	-17.7	
STN 03	Wolfedale	9.40	15.08	10.96	-1.56	-16.6	
R-YR-VA-23	60 Burwick	4.60	3.44	5.35	-0.75	-16.3	
St. Hilary	St. Hilary Elementary School	8.20	12.48	9.46	-1.26	-15.4	
R-MUN-MA-12	Markham Museum	7.40	13.38	8.49	-1.09	-14.7	
R-YR-VA-02	2850 Rutherford Rd.	3.40	2.49	3.87	-0.47	-13.8	
RG 31	East Brampton Res	3.80	4.68	4.29	-0.49	-12.9	
TOR_RG-052	Etobicoke Olympium	10.34	12.66	11.52	-1.18	-11.4	
R-YR-VA-24	121 Joseph Aaron Blvd	26.60	22.16	29.34	-2.74	-10.3	
HY061	Sue Grange Farm	3.20	5.35	3.51	-0.31	-9.7	
R-MUN-MA-11	Milliken Mills C.C.	6.40	9.65	6.99	-0.59	-9.2	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY099	Rathwood	11.30	14.77	12.31	-1.01	-8.9	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	3.58	4.55	3.89	-0.31	-8.7	
RG 25	RESERVOIR - BECKETT SPROULE	7.40	6.90	8.02	-0.62	-8.4	
HY038	East Humber at Mill Road	2.80	2.83	3.02	-0.22	-7.9	
RG 34	MCVEAN SEWAGE PUMPING	3.20	3.37	3.42	-0.22	-6.9	
R-MUN-MA-05	Thornhill C.C.	31.00	25.56	33.10	-2.10	-6.8	
R-MUN-MA-09	Lincoln Alexander P.S.	22.40	15.40	23.83	-1.43	-6.4	
TOR_RG-017	Castle Field Yard	2.18	2.12	2.31	-0.13	-6.0	
HY094	Broadlands Community Centre	1.40	2.29	1.48	-0.08	-5.7	
TOR_RG-014	Richview	9.32	9.65	9.83	-0.51	-5.5	
CALEDON EAST RG	Caledon East	6.00	4.41	6.29	-0.29	-4.8	
HY087	Westmount Park	5.80	5.88	6.07	-0.27	-4.7	
RG 16	Hanlan	5.80	7.67	5.93	-0.13	-2.2	
HY067	West Humber at Hwy7	3.40	3.41	3.47	-0.07	-2.1	
HY060	Stouffville Dam	4.41	2.15	4.49	-0.08	-1.8	
TOR_RG-019	Jane	28.85	19.77	29.33	-0.48	-1.7	
Victoria Yard	Victoria Yard	2.60	4.15	2.64	-0.04	-1.5	
TOR_RG-015	Bering	3.53	3.57	3.58	-0.05	-1.4	
HY009	Brock West Landfill	6.80	7.92	6.89	-0.09	-1.3	
HY021	Dufferin Reservoir	13.40	8.13	13.58	-0.18	-1.3	
RG 24	MULLET CREEK SEWAGE	8.80	9.89	8.91	-0.11	-1.2	
RG 27	RESERVOIR - WEST BRAMPTON	10.60	9.49	10.71	-0.11	-1.0	
HY063	Transport Canada	2.80	2.23	2.82	-0.02	-0.7	
TOR_RG-049	Fire Station 422	2.65	2.35	2.66	-0.01	-0.4	
R-YR-VA-13	10190 Keele Street	3.00	1.76	3.01	-0.01	-0.3	
HY004	Bayly and Church	6.40	7.10	6.41	-0.01	-0.2	
RG 60	PAULINE VANIER	10.40	9.67	10.41	-0.01	-0.1	
HY030	Glen Haffy	12.60	12.04	12.60	0.00	0.0	
RG 42	Caledon Reservoir	15.20	17.16	15.20	0.00	0.0	
HY130	Elmbank Community Centre	18.63	13.86	18.60	0.03	0.2	
HY055	Restoration Services	2.80	1.91	2.76	0.04	1.4	
HY122	Durham Works Yard	15.70	9.92	15.47	0.23	1.5	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-037	Edwards Gardens	2.69	3.91	2.65	0.04	1.5	
R-YR-WS-05	100 Weldon Rd.	6.00	2.80	5.89	0.11	1.8	
R-MUN-MA-14	8100 Warden Ave	21.50	23.45	21.08	0.42	2.0	
TOR_RG-045	Fairbank Memorial	1.83	1.67	1.79	0.04	2.2	
TOR_RG-044	Fire Station 121	2.14	2.61	2.09	0.05	2.3	
R-MUN-MA-13	Roy H Crosby P.S.	5.40	8.34	5.27	0.13	2.4	
HY088	The Village at Black Creek	28.90	18.64	28.16	0.74	2.6	
R-YR-VA-27	115 Starling Blvd	2.40	1.47	2.33	0.07	2.9	
RG 26	McLaughlin - Chris Gibson Recreation Centre	9.40	7.42	9.12	0.28	3.0	
R-YR-VA-10	130 McCleary Crt.	20.80	12.90	20.02	0.78	3.8	
HY070	York Region Works Yard	17.00	9.89	16.34	0.66	3.9	
HY096	Caledon East Soccer Complex	3.00	1.85	2.86	0.14	4.7	
TOR_RG-028	Cummer	14.86	13.10	14.16	0.70	4.7	
R-MUN-MA-22	11091 Warden Ave	11.20	5.42	10.66	0.54	4.8	
R-MUN-MA-16	Fire Hall #94	23.75	25.06	22.56	1.19	5.0	
STN 05	Winding Trail	13.17	13.34	12.51	0.66	5.0	
TOR_RG-013	Martin Grove	17.55	15.16	16.68	0.87	5.0	
R-YR-RH-01	500 Major Mackenzie Drive East.	7.00	3.58	6.61	0.39	5.6	
TOR_RG-021	Emery Yard	27.87	17.50	26.24	1.63	5.8	
R-YR-KI-03	65 Janet Ave.	4.00	3.15	3.75	0.25	6.2	
R-YR-VA-09	11 Aviva Park Dr.	22.80	13.33	21.25	1.55	6.8	
TOR_RG-048	Etobicoke	8.57	8.36	7.96	0.61	7.1	
RG 39	Inglewood Pumping Stn	11.20	9.03	10.38	0.82	7.3	
R-YR-RH-10	124 Blackmore Avenue	30.20	16.94	27.71	2.49	8.2	
R-YR-VA-22	300 Rosedale Heights	29.40	18.80	26.91	2.49	8.5	
TOR_RG-020	Finch Yard	31.12	21.03	28.23	2.89	9.3	
R-MUN-MA-07	Stornoway P.S.	41.20	26.21	37.17	4.03	9.8	
TOR_RG-047	Glen Long	2.44	2.12	2.20	0.24	9.8	
R-YR-VA-03	4630 Langstaff Rd.	4.40	2.39	3.95	0.45	10.2	
Copper Road RG	Copper Road	9.20	7.07	8.24	0.96	10.4	
RG 22	Bramalea - Fire Station 202	6.80	5.51	6.05	0.75	11.0	
TOR_RG-062	Harwood Hall	2.80	2.19	2.49	0.31	11.1	
HY124	Claremont Nature Centre	5.40	2.64	4.77	0.63	11.7	
RG 32	RESERVOIR - AIRPORT	3.60	2.89	3.17	0.43	11.9	
R-YR-VA-26	360 Thomas Cook Avenue	8.00	3.67	7.03	0.97	12.1	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-01	4738 Steeles Ave. W.	18.60	10.45	16.14	2.46	13.2	
HY039	Kortright	3.00	1.66	2.52	0.48	16.0	
R-MUN-MA-08	German Mills P.S.	25.00	18.38	21.00	4.00	16.0	
STN 06	Mississauga Valley	21.00	19.20	17.53	3.47	16.5	
HY043	Little Rouge at 16th	4.00	3.36	3.19	0.81	20.2	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.20	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.60	---	---	---	---	MSTT
HY002	Albion Hills	0.90	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.60	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY011	Bruces Mill CA	2.20	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY031	Goodwood Pumping Station	1.20	---	---	---	---	MSTT
HY033	Heart Lake CA	4.20	---	---	---	---	OMFB
HY037	King and Albion-Vaughan	0.20	---	---	---	---	MSTT
HY041	Tullamore	0.00	---	---	---	---	MSTT
HY046	Mississauga Works Yard	7.60	---	---	---	---	O
HY050	Morningside Works Yard	0.40	---	---	---	---	MSTT
HY069	York Pumping Station	0.80	---	---	---	---	MSTT
HY083	Oak Ridges	0.50	---	---	---	---	MSTT
HY086	RL Clark WTP	0.51	---	---	---	---	MSTT
HY102	Petticoat Works Yard	1.20	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.75	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
R-MUN-MA-21	Parkland P.S.	0.75	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.00	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.20	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.00	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.00	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.00	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.00	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	0.20	---	---	---	---	MSTT
R-YR-MA-03	2401 Denison St.	1.40	---	---	---	---	OAD
R-YR-MA-19	10 Riviera Dr.	24.40	---	---	---	---	O

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-NE-07	875 Stonehaven	0.00	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	2.00	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	1.40	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	1.80	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	1.60	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.20	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.80	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	0.60	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	1.00	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	1.20	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.20	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	1.80	---	---	---	---	MSTT
STN 01	Lakeview	0.80	---	---	---	---	MSTT
STN 04	Mississauga Central	4.68	---	---	---	---	U
STN 07	Streetsville	0.00	---	---	---	---	MSTT
STN 08	Tomken	1.62	---	---	---	---	OAD
STN 12	CVC	2.08	---	---	---	---	OAD
STN 13	Goreway	12.49	---	---	---	---	O
STN 14	Port Credit	0.87	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	1.06	---	---	---	---	MSTT
TOR_RG-002	High Park	0.43	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.10	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.18	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.12	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.57	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.04	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.02	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	1.76	---	---	---	---	OAD
TOR_RG-033	Nashdene Yard	0.09	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-034	Ellesmere Yard	0.05	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.11	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.05	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.00	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.15	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	T
TOR_RG-060	MALVERN RECREATION CENTRE	0.10	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT

Table 19. Summary of Individual RG Pairs for Event 2e

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
St. Hilary	St. Hilary Elementary School	3.20	7.09	5.55	-2.35	-73.4	
RG 22	Bramalea - Fire Station 202	10.40	12.42	13.59	-3.19	-30.7	
TOR_RG-020	Finch Yard	12.26	15.90	15.98	-3.72	-30.3	
TOR_RG-048	Etobicoke	6.48	9.75	8.40	-1.92	-29.6	
HY087	Westmount Park	8.80	13.50	11.40	-2.60	-29.5	
TOR_RG-060	MALVERN RECREATION CENTRE	1.50	2.96	1.93	-0.43	-28.7	
R-YR-VA-26	360 Thomas Cook Avenue	12.00	13.94	15.10	-3.10	-25.8	
HY044	Milne Dam	14.20	19.46	17.58	-3.38	-23.8	
HY008	Brickworks	5.06	10.59	6.22	-1.16	-22.9	
HY061	Sue Grange Farm	11.40	12.88	13.30	-1.90	-16.7	
RG 45	Bolton Recycle Center	3.20	3.68	3.71	-0.51	-15.9	
R-MUN-MA-22	11091 Warden Ave	14.80	12.76	17.07	-2.27	-15.3	
TOR_RG-028	Cummer	15.62	15.46	17.95	-2.33	-14.9	
TOR_RG-002	High Park	6.85	9.69	7.86	-1.01	-14.7	
R-YR-MA-19	10 Riviera Dr.	18.00	18.56	20.58	-2.58	-14.3	
R-YR-KI-03	65 Janet Ave.	3.80	3.24	4.34	-0.54	-14.2	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-RH-15	201 Yorkland Street	19.00	16.82	21.53	-2.53	-13.3	
R-YR-AU-02	14019 Bathurst St.	18.80	14.43	21.27	-2.47	-13.1	
RG 59	TULLAMORE RESERVOIR	2.20	2.46	2.48	-0.28	-12.7	
TOR_RG-045	Fairbank Memorial	18.84	19.60	21.22	-2.38	-12.6	
HY003	Alex Duff Memorial Pool	7.20	10.54	8.07	-0.87	-12.1	
HY037	King and Albion-Vaughan	8.60	8.33	9.63	-1.03	-12.0	
R-YR-VA-09	11 Aviva Park Dr.	12.60	13.83	14.07	-1.47	-11.7	
R-YR-VA-04	10299 Hwy 27	20.00	21.06	22.12	-2.12	-10.6	
R-YR-MA-20	30 John Allen Cameron St.	11.40	14.07	12.59	-1.19	-10.4	
R-YR-AU-09	1400 Wellington Street East	14.99	13.42	16.51	-1.52	-10.1	
R-YR-MA-03	2401 Denison St.	13.40	15.01	14.74	-1.34	-10.0	
TOR_RG-016	Kipling	7.93	12.26	8.72	-0.79	-10.0	
HY021	Dufferin Reservoir	10.20	9.33	11.21	-1.01	-9.9	
HY130	Elmbank Community Centre	13.34	16.61	14.65	-1.31	-9.8	
R-MUN-MA-13	Roy H Crosby P.S.	18.20	21.45	19.94	-1.74	-9.6	
TOR_RG-039	North Toronto Memorial	16.81	22.59	18.26	-1.45	-8.6	
R-MUN-MA-08	German Mills P.S.	17.50	16.39	18.96	-1.46	-8.3	
R-YR-RH-01	500 Major Mackenzie Drive East.	10.80	8.48	11.70	-0.90	-8.3	
TOR_RG-025	Ancaster	13.20	12.81	14.27	-1.07	-8.1	
RG 25	RESERVOIR - BECKETT SPROULE	7.80	7.09	8.35	-0.55	-7.1	
TOR_RG-012	Albion	13.37	15.92	14.32	-0.95	-7.1	
TOR_RG-023	Bermondsey Yard	8.18	11.59	8.75	-0.57	-7.0	
TOR_RG-034	Ellesmere Yard	4.85	7.14	5.19	-0.34	-7.0	
R-YR-VA-02	2850 Rutherford Rd.	25.00	24.75	26.72	-1.72	-6.9	
R-YR-VA-27	115 Starling Blvd	20.00	19.66	21.34	-1.34	-6.7	
STN 05	Winding Trail	7.18	8.19	7.65	-0.47	-6.5	
R-YR-NE-07	875 Stonehaven	12.80	10.77	13.62	-0.82	-6.4	
HY036	Kennedy Pump Station	13.90	14.79	14.75	-0.85	-6.1	
STN 08	Tomken	14.82	13.28	15.72	-0.90	-6.1	
CALEDON EAST RG	Caledon East	5.80	5.20	6.15	-0.35	-6.0	
RG 27	RESERVOIR - WEST BRAMPTON	3.00	4.74	3.17	-0.17	-5.7	
TOR_RG-018	Thorncliffe	7.91	13.36	8.35	-0.44	-5.6	
R-YR-AU-07	14875 Bayview Ave.	16.20	13.49	17.09	-0.89	-5.5	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-WS-05	100 Weldon Rd.	25.40	27.56	26.68	-1.28	-5.0	
RG 26	McLaughlin - Chris Gibson Recreation Centre	11.40	13.44	11.92	-0.52	-4.6	
RG 34	MCVEAN SEWAGE PUMPING	21.40	18.85	22.37	-0.97	-4.5	
R-YR-VA-03	4630 Langstaff Rd.	24.60	24.15	25.61	-1.01	-4.1	
R-MUN-MA-05	Thornhill C.C.	23.00	17.73	23.88	-0.88	-3.8	
TOR_RG-051	Goulding	21.08	16.51	21.88	-0.80	-3.8	
HY070	York Region Works Yard	17.80	11.83	18.43	-0.63	-3.5	
HY002	Albion Hills	6.40	7.42	6.62	-0.22	-3.4	
R-YR-VA-24	121 Joseph Aaron Blvd	22.40	17.46	23.12	-0.72	-3.2	
RG 24	MULLET CREEK SEWAGE	4.40	3.81	4.54	-0.14	-3.2	
HY067	West Humber at Hwy7	22.00	18.96	22.57	-0.57	-2.6	
TOR_RG-037	Edwards Gardens	16.25	19.46	16.62	-0.37	-2.3	
STN 13	Goreway	17.85	17.74	18.21	-0.36	-2.0	
STN 07	Streetsville	4.00	3.89	4.06	-0.06	-1.5	
TOR_RG-031	L'Amoreaux	13.62	13.85	13.79	-0.17	-1.2	
HY088	The Village at Black Creek	11.70	11.36	11.80	-0.10	-0.9	
STN 03	Wolfedale	8.40	9.48	8.47	-0.07	-0.8	
RG 62	Alloa Reservoir RG	1.40	2.97	1.41	-0.01	-0.7	
TOR_RG-013	Martin Grove	10.89	12.68	10.97	-0.08	-0.7	
HY055	Restoration Services	22.60	20.56	22.73	-0.13	-0.6	
R-YR-VA-01	4738 Steeles Ave. W.	16.60	16.85	16.70	-0.10	-0.6	
HY030	Glen Haffy	4.00	3.51	4.00	0.00	0.0	
HY063	Transport Canada	3.40	6.01	3.40	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	6.00	5.26	6.00	0.00	0.0	
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	4.80	3.43	4.80	0.00	0.0	
TOR_RG-015	Bering	12.31	15.43	12.31	0.00	0.0	
HY031	Goodwood Pumping Station	26.00	19.62	25.98	0.02	0.1	
R-YR-VA-28	675 Vellore Park Avenue	22.80	19.77	22.73	0.07	0.3	
R-MUN-MA-07	Stornoway P.S.	25.20	17.11	25.07	0.13	0.5	
R-YR-VA-16	900 Teston Rd.	28.80	23.00	28.63	0.17	0.6	
TOR_RG-044	Fire Station 121	14.50	13.83	14.36	0.14	1.0	
R-YR-VA-11	11201 Keele St.	28.00	21.43	27.66	0.34	1.2	
R-MUN-MA-14	8100 Warden Ave	22.25	19.98	21.97	0.28	1.3	
RG 60	PAULINE VANIER	5.80	4.28	5.72	0.08	1.4	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 29	RESERVOIR - NORTH BRAMPTON	2.00	1.29	1.97	0.03	1.5	
R-YR-VA-10	130 McCleary Crt.	11.40	10.57	11.22	0.18	1.6	
HY099	Rathwood	9.80	9.82	9.63	0.17	1.7	
HY046	Mississauga Works Yard	17.20	14.47	16.77	0.43	2.5	
RG 20	PEEL/YORK ODOUR CONTROL	14.60	13.14	14.23	0.37	2.5	
TOR_RG-019	Jane	12.82	11.94	12.49	0.33	2.6	
R-YR-AU-01	242 St John's Sideroad	14.60	9.77	14.21	0.39	2.7	
TOR_RG-033	Nashdene Yard	12.23	12.33	11.89	0.34	2.8	
HY083	Oak Ridges	24.00	15.14	23.25	0.75	3.1	
TOR_RG-001	Swansea Hall	17.58	18.26	16.97	0.61	3.5	
R-YR-KI-08	25 King Boulevard	26.60	15.58	25.63	0.97	3.6	
TOR_RG-049	Fire Station 422	18.38	18.25	17.72	0.66	3.6	
R-MUN-MA-11	Milliken Mills C.C.	19.20	18.29	18.44	0.76	4.0	
STN 01	Lakeview	12.00	11.88	11.52	0.48	4.0	
HY060	Stouffville Dam	28.19	27.42	27.00	1.19	4.2	
RG 36	CHINGUACOUSY LEACHATE PUMPING	17.40	14.74	16.65	0.75	4.3	
R-MUN-MA-15	Rouge River C.C.	11.00	11.38	10.49	0.51	4.6	
TOR_RG-004	High Level PS	9.27	12.01	8.83	0.44	4.7	
TOR_RG-062	Harwood Hall	19.96	18.28	19.02	0.94	4.7	
TOR_RG-022	Fire Station 116	16.41	13.69	15.45	0.96	5.9	
HY094	Broadlands Community Centre	12.80	13.63	12.03	0.77	6.0	
R-YR-VA-23	60 Burwick	24.00	21.67	22.55	1.45	6.0	
HY096	Caledon East Soccer Complex	9.20	6.57	8.62	0.58	6.3	
RG 16	Hanlan	10.20	8.54	9.56	0.64	6.3	
HY043	Little Rouge at 16th	13.80	14.10	12.90	0.90	6.5	
TOR_RG-056	Fire Station 142	13.62	11.81	12.73	0.89	6.5	
STN 12	CVC	9.95	6.85	9.27	0.68	6.8	
TOR_RG-014	Richview	12.89	14.44	11.99	0.90	7.0	
R-MUN-MA-16	Fire Hall #94	28.00	22.51	25.80	2.20	7.9	
RG 46	St. Nicholas	15.20	10.46	13.99	1.21	8.0	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	16.42	13.23	15.11	1.31	8.0	
R-MUN-MA-12	Markham Museum	22.80	21.85	20.89	1.91	8.4	
R-YR-VA-13	10190 Keele Street	33.40	26.12	30.59	2.81	8.4	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY041	Tullamore	2.60	2.32	2.38	0.22	8.5	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	11.60	8.85	10.60	1.00	8.6	
HY011	Bruces Mill CA	20.10	11.02	18.34	1.76	8.8	
R-MUN-MA-09	Lincoln Alexander P.S.	30.20	17.64	27.46	2.74	9.1	
HY069	York Pumping Station	28.60	17.04	25.90	2.70	9.4	
Victoria Yard	Victoria Yard	15.20	13.24	13.77	1.43	9.4	
HY038	East Humber at Mill Road	9.60	5.36	8.67	0.93	9.7	
RG 31	East Brampton Res	18.20	11.88	16.39	1.81	9.9	
RG 32	RESERVOIR - AIRPORT	20.00	14.06	18.01	1.99	9.9	
TOR_RG-021	Emery Yard	14.93	13.16	13.44	1.49	10.0	
R-YR-MA-01	7021 Leslie Street	21.80	16.44	19.42	2.38	10.9	
HY039	Kortright	24.80	19.57	21.97	2.83	11.4	
TOR_RG-017	Castle Field Yard	21.65	16.46	19.01	2.64	12.2	
STN 06	Mississauga Valley	7.40	7.01	6.45	0.95	12.8	
RG 23	BRITANNIA LEACHATE PUMPING	7.60	6.93	6.44	1.16	15.3	
TOR_RG-047	Glen Long	21.07	14.76	17.53	3.54	16.8	
R-YR-RH-10	124 Blackmore Avenue	29.40	15.40	24.41	4.99	17.0	
Copper Road RG	Copper Road	11.00	7.63	9.12	1.88	17.1	
R-MUN-MA-21	Parkland P.S.	14.50	12.19	12.00	2.50	17.2	
R-YR-AU-06	125 Wellington Street West	20.20	10.27	16.68	3.52	17.4	
TOR_RG-052	Etobicoke Olympium	13.50	11.36	10.90	2.60	19.3	
R-YR-VA-22	300 Rosedale Heights	26.00	12.64	19.70	6.30	24.2	
GE Booth	GE Booth WWTP	2.00	---	---	---	---	OAD
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.00	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.20	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY033	Heart Lake CA	1.40	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY086	RL Clark WTP	1.66	---	---	---	---	OAD
HY102	Petticoat Works Yard	0.40	---	---	---	---	MSTT
HY121	Balsam at 407	0.00	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.60	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
RG 39	Inglewood Pumping Stn	6.40	---	---	---	---	OMFB
RG 42	Caledon Reservoir	0.40	---	---	---	---	MSTT
STN 04	Mississauga Central	1.64	---	---	---	---	U
STN 14	Port Credit	1.09	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.62	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.29	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.07	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-040	Denton	0.37	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.98	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	T
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT

Table 20. Summary of Individual RG Pairs for Event 2f

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-042	Don Montgomery	3.21	10.45	4.64	-1.43	-44.5	
TOR_RG-038	Fire Station 215	6.16	11.82	8.37	-2.21	-35.9	
TOR_RG-017	Castle Field Yard	2.61	3.86	3.49	-0.88	-33.7	
HY044	Milne Dam	3.40	4.47	4.41	-1.01	-29.7	
HY037	King and Albion-Vaughan	22.60	27.23	27.11	-4.51	-20.0	
RG 45	Bolton Recycle Center	16.80	23.33	19.92	-3.12	-18.6	
R-MUN-MA-11	Milliken Mills C.C.	4.80	5.68	5.67	-0.87	-18.1	
R-MUN-MA-05	Thornhill C.C.	4.00	4.62	4.70	-0.70	-17.5	
TOR_RG-044	Fire Station 121	2.80	5.07	3.29	-0.49	-17.5	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY036	Kennedy Pump Station	2.30	2.96	2.68	-0.38	-16.5	
TOR_RG-028	Cummer	6.83	7.59	7.74	-0.91	-13.3	
TOR_RG-041	Heron Park	11.71	14.47	12.81	-1.10	-9.4	
R-YR-MA-20	30 John Allen Cameron St.	4.60	4.86	5.01	-0.41	-8.9	
TOR_RG-031	L'Amoreaux	1.97	2.41	2.14	-0.17	-8.6	
R-YR-WS-05	100 Weldon Rd.	5.80	5.89	6.27	-0.47	-8.1	
RG 36	CHINGUACOUSY LEACHATE PUMPING	8.20	9.05	8.80	-0.60	-7.3	
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	6.42	11.77	6.79	-0.37	-5.8	
RG 39	Inglewood Pumping Stn	6.60	8.11	6.96	-0.36	-5.5	
RG 59	TULLAMORE RESERVOIR	4.00	8.33	4.19	-0.19	-4.8	
R-YR-MA-03	2401 Denison St.	3.40	3.60	3.55	-0.15	-4.4	
R-YR-AU-09	1400 Wellington Street East	2.19	1.44	2.25	-0.06	-2.7	
Victoria Yard	Victoria Yard	7.20	6.54	7.37	-0.17	-2.4	
R-MUN-MA-15	Rouge River C.C.	4.50	4.77	4.59	-0.09	-2.0	
HY096	Caledon East Soccer Complex	10.20	8.34	10.36	-0.16	-1.6	
HY002	Albion Hills	12.50	11.67	12.68	-0.18	-1.4	
HY038	East Humber at Mill Road	10.20	10.67	10.33	-0.13	-1.3	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	3.40	3.61	3.44	-0.04	-1.2	
HY063	Transport Canada	7.20	7.33	7.24	-0.04	-0.6	
HY094	Broadlands Community Centre	2.00	2.30	2.01	-0.01	-0.5	
HY122	Durham Works Yard	2.40	1.62	2.40	0.00	0.0	
R-YR-KI-08	25 King Boulevard	1.60	2.01	1.60	0.00	0.0	
TOR_RG-049	Fire Station 422	1.73	2.08	1.73	0.00	0.0	
HY009	Brock West Landfill	5.80	3.69	5.78	0.02	0.3	
HY124	Claremont Nature Centre	5.20	3.56	5.17	0.03	0.6	
TOR_RG-015	Bering	1.64	1.91	1.63	0.01	0.6	
TOR_RG-062	Harwood Hall	1.96	2.32	1.94	0.02	1.0	
R-YR-KI-03	65 Janet Ave.	16.00	16.01	15.78	0.22	1.4	
CALEDON EAST RG	Caledon East	19.00	14.55	18.66	0.34	1.8	
R-YR-AU-06	125 Wellington Street West	4.00	2.14	3.92	0.08	2.0	
HY102	Petticoat Works Yard	8.70	11.98	8.47	0.23	2.6	
R-MUN-MA-08	German Mills P.S.	9.00	8.19	8.74	0.26	2.9	
HY041	Tullamore	4.00	7.62	3.85	0.15	3.7	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-022	Fire Station 116	5.07	5.29	4.84	0.23	4.5	
R-MUN-MA-12	Markham Museum	5.00	4.31	4.71	0.29	5.8	
TOR_RG-051	Goulding	5.02	4.60	4.73	0.29	5.8	
R-MUN-MA-13	Roy H Crosby P.S.	5.80	5.28	5.44	0.36	6.2	
HY060	Stouffville Dam	7.15	6.08	6.68	0.47	6.6	
R-MUN-MA-21	Parkland P.S.	4.50	4.11	4.19	0.31	6.9	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	29.80	25.97	27.66	2.14	7.2	
TOR_RG-033	Nashdene Yard	4.55	3.76	4.19	0.36	7.9	
TOR_RG-060	MALVERN RECREATION CENTRE	9.55	6.47	8.80	0.75	7.9	
HY043	Little Rouge at 16th	4.60	3.93	4.23	0.37	8.0	
R-YR-MA-19	10 Riviera Dr.	12.00	9.83	10.97	1.03	8.6	
HY061	Sue Grange Farm	5.20	4.23	4.73	0.47	9.0	
TOR_RG-034	Ellesmere Yard	6.00	5.31	5.41	0.59	9.8	
R-MUN-MA-14	8100 Warden Ave	11.00	8.60	9.83	1.17	10.6	
R-YR-MA-01	7021 Leslie Street	9.80	8.30	8.73	1.07	10.9	
RG 46	St. Nicholas	36.60	23.87	31.36	5.24	14.3	
R-MUN-MA-16	Fire Hall #94	9.75	6.18	8.10	1.65	16.9	
HY050	Morningside Works Yard	19.00	15.54	15.59	3.41	17.9	
TOR_RG-047	Glen Long	4.63	3.77	3.65	0.98	21.2	
Copper Road RG	Copper Road	0.00	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	1.60	---	---	---	---	OAD
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.00	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY021	Dufferin Reservoir	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	0.00	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	17.80	---	---	---	---	OMFB
HY033	Heart Lake CA	0.00	---	---	---	---	MSTT
HY039	Kortright	0.80	---	---	---	---	MSTT
HY046	Mississauga Works Yard	0.10	---	---	---	---	MSTT
HY055	Restoration Services	1.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY067	West Humber at Hwy7	0.00	---	---	---	---	MSTT
HY069	York Pumping Station	0.00	---	---	---	---	MSTT
HY070	York Region Works Yard	0.00	---	---	---	---	MSTT
HY083	Oak Ridges	0.70	---	---	---	---	MSTT
HY086	RL Clark WTP	0.42	---	---	---	---	MSTT
HY087	Westmount Park	0.40	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.00	---	---	---	---	MSTT
HY099	Rathwood	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	1.20	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.00	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	1.40	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	1.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
R-MUN-MA-22	11091 Warden Ave	0.20	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	1.80	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	1.20	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.60	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	1.00	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	1.20	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.20	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.40	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	0.00	---	---	---	---	MSTT
R-YR-VA-01	4738 Steeles Ave. W.	0.00	---	---	---	---	MSTT
R-YR-VA-02	2850 Rutherford Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.80	---	---	---	---	MSTT
R-YR-VA-09	11 Aviva Park Dr.	0.00	---	---	---	---	MSTT
R-YR-VA-10	130 McCleary Crt.	0.00	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	0.00	---	---	---	---	MSTT
R-YR-VA-13	10190 Keele Street	0.00	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	0.00	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.00	---	---	---	---	MSTT
R-YR-VA-23	60 Burwick	0.40	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.00	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-27	115 Starling Blvd	0.20	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.20	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.00	---	---	---	---	MSTT
RG 16	Hanlan	0.00	---	---	---	---	MSTT
RG 20	PEEL/YORK ODOUR CONTROL	0.00	---	---	---	---	MSTT
RG 22	Bramalea - Fire Station 202	0.00	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	0.00	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.00	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.00	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.20	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	0.40	---	---	---	---	MSTT
RG 31	East Brampton Res	0.00	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	0.20	---	---	---	---	MSTT
RG 34	MCVEAN SEWAGE PUMPING	0.00	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.00	---	---	---	---	MSTT
RG 60	PAULINE VANIER	0.00	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.00	---	---	---	---	MSTT
STN 01	Lakeview	0.00	---	---	---	---	MSTT
STN 03	Wolfedale	0.00	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	MSTT
STN 05	Winding Trail	0.24	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.00	---	---	---	---	MSTT
STN 07	Streetsville	0.00	---	---	---	---	MSTT
STN 08	Tomken	0.00	---	---	---	---	MSTT
STN 12	CVC	0.00	---	---	---	---	MSTT
STN 13	Goreway	0.00	---	---	---	---	MSTT
STN 14	Port Credit	0.00	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.13	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-002	High Park	0.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.00	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.00	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-012	Albion	0.00	---	---	---	---	MSTT
TOR_RG-013	Martin Grove	0.00	---	---	---	---	MSTT
TOR_RG-014	Richview	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.00	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.08	---	---	---	---	MSTT
TOR_RG-019	Jane	0.00	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.00	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.00	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.21	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-025	Ancaster	0.15	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-036	Ashbridges Bay	0.08	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.87	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.32	---	---	---	---	MSTT
TOR_RG-040	Denton	0.04	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.69	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-048	Etobicoke	0.28	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-056	Fire Station 142	0.00	---	---	---	---	MSTT
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	T

Table 21. Summary of Individual RG Pairs for Event 2g

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-033	Nashdene Yard	2.60	1.81	3.75	-1.15	-44.2	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-MA-20	30 John Allen Cameron St.	2.60	1.58	3.27	-0.67	-25.8	
R-YR-NE-07	875 Stonehaven	1.60	1.52	1.98	-0.38	-23.7	
R-YR-AU-09	1400 Wellington Street East	1.76	1.58	2.17	-0.41	-23.3	
R-YR-AU-02	14019 Bathurst St.	4.80	3.90	5.24	-0.44	-9.2	
R-YR-KI-08	25 King Boulevard	4.80	4.03	4.82	-0.02	-0.4	
HY004	Bayly and Church	5.00	3.24	5.00	0.00	0.0	
HY031	Goodwood Pumping Station	3.80	1.61	3.80	0.00	0.0	
HY063	Transport Canada	8.00	2.80	8.00	0.00	0.0	
R-YR-VA-10	130 McCleary Crt.	1.60	1.28	1.60	0.00	0.0	
TOR_RG-042	Don Montgomery	2.05	2.25	2.05	0.00	0.0	
R-MUN-MA-15	Rouge River C.C.	4.75	1.73	4.69	0.06	1.3	
R-YR-AU-07	14875 Bayview Ave.	3.20	1.86	2.86	0.34	10.6	
R-YR-AU-06	125 Wellington Street West	5.80	3.00	5.18	0.62	10.7	
R-YR-AU-01	242 St John's Sideroad	3.20	1.75	2.82	0.38	11.9	
HY043	Little Rouge at 16th	4.00	1.61	3.45	0.55	13.7	
R-MUN-MA-21	Parkland P.S.	4.75	1.43	3.85	0.90	18.9	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.00	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	0.20	---	---	---	---	MSTT
Copper Road RG	Copper Road	0.00	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.60	---	---	---	---	MSTT
HY002	Albion Hills	0.00	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.40	---	---	---	---	MSTT
HY008	Brickworks	0.31	---	---	---	---	MSTT
HY009	Brock West Landfill	0.20	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.00	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.80	---	---	---	---	MSTT
HY021	Dufferin Reservoir	0.50	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	0.20	---	---	---	---	MSTT
HY033	Heart Lake CA	0.00	---	---	---	---	MSTT
HY036	Kennedy Pump Station	0.40	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.00	---	---	---	---	MSTT
HY039	Kortright	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY041	Tullamore	0.00	---	---	---	---	MSTT
HY044	Milne Dam	0.80	---	---	---	---	MSTT
HY046	Mississauga Works Yard	0.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.60	---	---	---	---	MSTT
HY055	Restoration Services	0.00	---	---	---	---	MSTT
HY060	Stouffville Dam	0.73	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.00	---	---	---	---	MSTT
HY067	West Humber at Hwy7	0.20	---	---	---	---	MSTT
HY069	York Pumping Station	1.00	---	---	---	---	MSTT
HY070	York Region Works Yard	0.20	---	---	---	---	MSTT
HY083	Oak Ridges	0.40	---	---	---	---	MSTT
HY086	RL Clark WTP	0.62	---	---	---	---	MSTT
HY087	Westmount Park	0.00	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.70	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.20	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	0.00	---	---	---	---	MSTT
HY099	Rathwood	0.00	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.10	---	---	---	---	MSTT
HY121	Balsam at 407	1.20	---	---	---	---	MSTT
HY122	Durham Works Yard	0.80	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.00	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.05	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	0.25	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.40	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.25	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.20	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.20	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	1.20	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	1.40	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.25	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.00	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	0.00	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.00	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.60	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-MA-03	2401 Denison St.	0.80	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.20	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	0.20	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.00	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	1.00	---	---	---	---	MSTT
R-YR-VA-01	4738 Steeles Ave. W.	0.00	---	---	---	---	MSTT
R-YR-VA-02	2850 Rutherford Rd.	0.20	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.20	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.00	---	---	---	---	MSTT
R-YR-VA-09	11 Aviva Park Dr.	0.20	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	2.00	---	---	---	---	MSTT
R-YR-VA-13	10190 Keele Street	1.00	---	---	---	---	MSTT
R-YR-VA-16	900 Teston Rd.	0.20	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.60	---	---	---	---	MSTT
R-YR-VA-23	60 Burwick	0.00	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.60	---	---	---	---	MSTT
R-YR-VA-26	360 Thomas Cook Avenue	0.40	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	0.00	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.20	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.40	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.20	---	---	---	---	MSTT
RG 16	Hanlan	0.00	---	---	---	---	MSTT
RG 20	PEEL/YORK ODOUR CONTROL	0.00	---	---	---	---	MSTT
RG 22	Bramalea - Fire Station 202	0.00	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	0.00	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.00	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.00	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.00	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 31	East Brampton Res	0.00	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	0.00	---	---	---	---	MSTT
RG 34	MCVEAN SEWAGE PUMPING	0.00	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	0.00	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.00	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	0.00	---	---	---	---	MSTT
RG 46	St. Nicholas	0.00	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	0.00	---	---	---	---	MSTT
RG 60	PAULINE VANIER	0.00	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.00	---	---	---	---	MSTT
STN 01	Lakeview	0.40	---	---	---	---	MSTT
STN 03	Wolfedale	0.20	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	MSTT
STN 05	Winding Trail	0.24	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.20	---	---	---	---	MSTT
STN 07	Streetsville	0.00	---	---	---	---	MSTT
STN 08	Tomken	0.00	---	---	---	---	MSTT
STN 12	CVC	0.00	---	---	---	---	MSTT
STN 13	Goreway	0.00	---	---	---	---	MSTT
STN 14	Port Credit	0.87	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.49	---	---	---	---	MSTT
TOR_RG-002	High Park	0.40	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.30	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.27	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.61	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.34	---	---	---	---	MSTT
TOR_RG-012	Albion	0.07	---	---	---	---	MSTT
TOR_RG-013	Martin Grove	0.11	---	---	---	---	MSTT
TOR_RG-014	Richview	0.20	---	---	---	---	MSTT
TOR_RG-015	Bering	0.52	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.58	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.31	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.22	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-019	Jane	0.17	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.09	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.06	---	---	---	---	MSTT
TOR_RG-022	Fire Station 116	0.21	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.19	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-025	Ancaster	0.16	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.23	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.28	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	1.59	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.36	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.31	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.18	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.19	---	---	---	---	MSTT
TOR_RG-040	Denton	0.74	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.46	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.26	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.28	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-047	Glen Long	0.26	---	---	---	---	MSTT
TOR_RG-048	Etobicoke	0.30	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	0.46	---	---	---	---	MSTT
TOR_RG-051	Goulding	0.12	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.11	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-056	Fire Station 142	0.12	---	---	---	---	MSTT
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.58	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.14	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.41	---	---	---	---	T
TOR_RG-060	MALVERN RECREATION CENTRE	1.10	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.60	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-062	Harwood Hall	0.31	---	---	---	---	MSTT
Victoria Yard	Victoria Yard	0.00	---	---	---	---	MSTT

Table 22. Summary of Individual RG Pairs for Event 2h

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 25	RESERVOIR - BECKETT SPROULE	10.00	21.72	16.78	-6.78	-67.8	
HY046	Mississauga Works Yard	3.40	8.52	5.60	-2.20	-64.7	
HY033	Heart Lake CA	5.20	11.68	8.45	-3.25	-62.5	
HY038	East Humber at Mill Road	2.40	6.36	3.63	-1.23	-51.3	
R-YR-RH-01	500 Major Mackenzie Drive East.	4.40	12.39	6.53	-2.13	-48.4	
HY069	York Pumping Station	3.20	7.31	4.60	-1.40	-43.7	
R-YR-VA-03	4630 Langstaff Rd.	5.00	10.27	6.78	-1.78	-35.6	
R-YR-VA-09	11 Aviva Park Dr.	3.60	9.13	4.86	-1.26	-35.0	
CALEDON EAST RG	Caledon East	14.80	15.28	18.18	-3.38	-22.8	
RG 39	Inglewood Pumping Stn	5.40	10.93	6.51	-1.11	-20.6	
R-MUN-MA-09	Lincoln Alexander P.S.	3.00	5.52	3.60	-0.60	-20.0	
HY037	King and Albion-Vaughan	7.60	12.29	8.98	-1.38	-18.2	
R-YR-VA-02	2850 Rutherford Rd.	10.40	20.38	12.19	-1.79	-17.2	
R-YR-VA-04	10299 Hwy 27	13.20	19.81	14.83	-1.63	-12.3	
RG 22	Bramalea - Fire Station 202	9.80	13.30	10.98	-1.18	-12.0	
RG 26	McLaughlin - Chris Gibson Recreation Centre	5.40	12.81	5.93	-0.53	-9.8	
R-MUN-MA-22	11091 Warden Ave	17.80	28.07	19.18	-1.38	-7.8	
HY060	Stouffville Dam	10.81	17.04	11.50	-0.69	-6.4	
R-YR-VA-13	10190 Keele Street	9.60	15.57	10.17	-0.57	-5.9	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	6.00	8.44	6.26	-0.26	-4.3	
R-YR-VA-28	675 Vellore Park Avenue	6.00	9.65	6.25	-0.25	-4.2	
RG 36	CHINGUACOUSY LEACHATE PUMPING	15.40	15.54	15.97	-0.57	-3.7	
R-YR-VA-27	115 Starling Blvd	9.00	14.79	9.25	-0.25	-2.8	
RG 59	TULLAMORE RESERVOIR	4.00	4.45	4.10	-0.10	-2.5	
RG 62	Alloa Reservoir RG	1.80	5.23	1.82	-0.02	-1.1	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-26	360 Thomas Cook Avenue	26.20	37.15	26.24	-0.04	-0.2	
HY031	Goodwood Pumping Station	16.20	26.27	16.21	-0.01	-0.1	
HY063	Transport Canada	3.60	2.91	3.60	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	1.40	2.46	1.40	0.00	0.0	
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	2.60	4.16	2.60	0.00	0.0	
RG 42	Caledon Reservoir	7.00	5.58	7.00	0.00	0.0	
HY002	Albion Hills	21.30	14.42	21.23	0.07	0.3	
R-YR-RH-15	201 Yorkland Street	5.20	9.00	5.18	0.02	0.4	
R-YR-VA-01	4738 Steeles Ave. W.	16.00	23.53	15.85	0.15	0.9	
RG 20	PEEL/YORK ODOUR CONTROL	15.80	20.86	15.54	0.26	1.6	
STN 08	Tomken	8.80	11.02	8.60	0.20	2.3	
Victoria Yard	Victoria Yard	24.60	21.81	23.78	0.82	3.3	
HY061	Sue Grange Farm	28.00	25.13	26.87	1.13	4.0	
RG 32	RESERVOIR - AIRPORT	30.80	17.63	29.48	1.32	4.3	
HY011	Bruces Mill CA	35.10	42.53	33.25	1.85	5.3	
R-YR-WS-05	100 Weldon Rd.	11.40	15.59	10.77	0.63	5.5	
R-YR-VA-11	11201 Keele St.	8.80	11.18	8.08	0.72	8.2	
HY021	Dufferin Reservoir	23.10	28.53	20.88	2.22	9.6	
R-YR-VA-16	900 Teston Rd.	9.00	12.29	8.13	0.87	9.7	
R-YR-KI-08	25 King Boulevard	5.40	4.83	4.83	0.57	10.6	
HY083	Oak Ridges	10.00	10.80	8.91	1.09	10.9	
HY039	Kortright	8.00	9.27	7.02	0.98	12.3	
HY055	Restoration Services	9.20	10.33	7.99	1.21	13.2	
RG 45	Bolton Recycle Center	17.40	15.34	15.11	2.29	13.2	
HY096	Caledon East Soccer Complex	12.20	6.90	10.43	1.77	14.5	
R-YR-KI-03	65 Janet Ave.	7.40	6.78	6.06	1.34	18.1	
R-YR-VA-23	60 Burwick	9.80	11.08	7.99	1.81	18.5	
HY070	York Region Works Yard	10.40	12.49	8.23	2.17	20.9	
RG 31	East Brampton Res	50.60	29.39	39.15	11.45	22.6	
Copper Road RG	Copper Road	39.00	33.61	26.31	12.69	32.5	
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	1.20	---	---	---	---	MSTT
HY036	Kennedy Pump Station	0.00	---	---	---	---	MSTT
HY041	Tullamore	1.20	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.00	---	---	---	---	MSTT
HY044	Milne Dam	0.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.20	---	---	---	---	MSTT
HY067	West Humber at Hwy7	1.20	---	---	---	---	MSTT
HY086	RL Clark WTP	0.00	---	---	---	---	MSTT
HY087	Westmount Park	0.00	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.00	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.00	---	---	---	---	MSTT
HY099	Rathwood	0.00	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.00	---	---	---	---	MSTT
HY121	Balsam at 407	0.00	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.00	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.71	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.00	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
R-MUN-MA-21	Parkland P.S.	0.00	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.60	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.40	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.40	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.40	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.19	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-MA-03	2401 Denison St.	0.00	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.00	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.00	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.40	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.40	---	---	---	---	MSTT
R-YR-VA-10	130 McCleary Crt.	1.00	---	---	---	---	MSTT
R-YR-VA-22	300 Rosedale Heights	0.00	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	0.20	---	---	---	---	MSTT
RG 16	Hanlan	0.00	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	0.00	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.20	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	1.00	---	---	---	---	MSTT
RG 34	MCVEAN SEWAGE PUMPING	1.20	---	---	---	---	MSTT
RG 46	St. Nicholas	0.80	---	---	---	---	MSTT
RG 60	PAULINE VANIER	1.20	---	---	---	---	MSTT
STN 01	Lakeview	0.20	---	---	---	---	MSTT
STN 03	Wolfedale	0.00	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	MSTT
STN 05	Winding Trail	0.00	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.00	---	---	---	---	MSTT
STN 07	Streetsville	0.20	---	---	---	---	MSTT
STN 12	CVC	0.23	---	---	---	---	MSTT
STN 13	Goreway	0.67	---	---	---	---	MSTT
STN 14	Port Credit	0.00	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.00	---	---	---	---	MSTT
TOR_RG-002	High Park	0.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.00	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.00	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-012	Albion	0.27	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-013	Martin Grove	0.00	---	---	---	---	MSTT
TOR_RG-014	Richview	0.00	---	---	---	---	MSTT
TOR_RG-015	Bering	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.00	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.00	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.00	---	---	---	---	MSTT
TOR_RG-019	Jane	0.00	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.00	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.00	---	---	---	---	MSTT
TOR_RG-022	Fire Station 116	0.00	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.00	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-025	Ancaster	0.00	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.00	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.00	---	---	---	---	MSTT
TOR_RG-033	Nashdene Yard	0.00	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.00	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.00	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.00	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.00	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.00	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.00	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-047	Glen Long	0.00	---	---	---	---	MSTT
TOR_RG-048	Etobicoke	0.00	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	0.00	---	---	---	---	MSTT
TOR_RG-051	Goulding	0.00	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-056	Fire Station 142	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-062	Harwood Hall	0.00	---	---	---	---	MSTT

Table 23. Summary of Individual RG Pairs for Event 2i

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
STN 05	Winding Trail	2.16	3.24	3.08	-0.92	-42.6	
HY088	The Village at Black Creek	2.10	4.17	2.93	-0.83	-39.5	
TOR_RG-021	Emery Yard	10.50	17.09	14.36	-3.86	-36.8	
RG 22	Bramalea - Fire Station 202	1.80	2.31	2.40	-0.60	-33.3	
TOR_RG-014	Richview	2.44	3.81	3.17	-0.73	-29.9	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	1.44	2.94	1.74	-0.30	-20.8	
Copper Road RG	Copper Road	4.40	5.88	5.31	-0.91	-20.7	
RG 34	MCVEAN SEWAGE PUMPING	2.20	2.23	2.57	-0.37	-16.8	
TOR_RG-018	Thorncliffe	3.95	5.93	4.61	-0.66	-16.7	
RG 36	CHINGUACOUSY LEACHATE PUMPING	7.00	4.91	8.07	-1.07	-15.3	
STN 08	Tomken	22.46	27.48	25.68	-3.22	-14.3	
RG 27	RESERVOIR - WEST BRAMPTON	4.40	4.86	5.01	-0.61	-13.9	
R-YR-VA-13	10190 Keele Street	1.80	1.84	2.04	-0.24	-13.3	
R-YR-VA-22	300 Rosedale Heights	1.40	1.51	1.58	-0.18	-12.9	
RG 23	BRITANNIA LEACHATE PUMPING	10.60	12.70	11.75	-1.15	-10.8	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	2.40	3.73	2.65	-0.25	-10.4	
HY130	Elmbank Community Centre	14.85	14.98	16.33	-1.48	-10.0	
STN 07	Streetsville	9.00	11.79	9.84	-0.84	-9.3	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-23	60 Burwick	1.40	1.77	1.51	-0.11	-7.9	
RG 45	Bolton Recycle Center	2.20	3.69	2.36	-0.16	-7.3	
RG 59	TULLAMORE RESERVOIR	3.40	3.35	3.62	-0.22	-6.5	
TOR_RG-048	Etobicoke	3.07	2.83	3.22	-0.15	-4.9	
R-YR-VA-04	10299 Hwy 27	1.60	2.38	1.66	-0.06	-3.7	
HY096	Caledon East Soccer Complex	4.60	3.76	4.76	-0.16	-3.5	
HY061	Sue Grange Farm	15.80	7.99	16.33	-0.53	-3.4	
R-YR-VA-16	900 Teston Rd.	2.00	1.55	2.06	-0.06	-3.0	
HY033	Heart Lake CA	4.20	2.74	4.27	-0.07	-1.7	
R-YR-VA-02	2850 Rutherford Rd.	3.00	2.95	3.03	-0.03	-1.0	
RG 39	Inglewood Pumping Stn	22.40	11.57	22.61	-0.21	-0.9	
HY046	Mississauga Works Yard	25.30	23.20	25.48	-0.18	-0.7	
HY030	Glen Haffy	20.80	14.60	20.80	0.00	0.0	
HY031	Goodwood Pumping Station	4.00	3.26	4.00	0.00	0.0	
HY060	Stouffville Dam	2.12	1.75	2.12	0.00	0.0	
HY063	Transport Canada	3.00	2.89	3.00	0.00	0.0	
RG 31	East Brampton Res	2.60	1.97	2.60	0.00	0.0	
RG 42	Caledon Reservoir	27.00	14.00	27.00	0.00	0.0	
RG 62	Alloa Reservoir RG	11.60	5.65	11.52	0.08	0.7	
RG 24	MULLET CREEK SEWAGE	35.20	28.19	34.89	0.31	0.9	
STN 13	Goreway	26.33	20.64	26.10	0.23	0.9	
R-YR-VA-01	4738 Steeles Ave. W.	11.80	12.96	11.68	0.12	1.0	
TOR_RG-013	Martin Grove	12.07	12.96	11.89	0.18	1.5	
HY039	Kortright	1.40	1.81	1.37	0.03	2.1	
TOR_RG-044	Fire Station 121	3.24	2.90	3.15	0.09	2.8	
CALEDON EAST RG	Caledon East	20.00	14.51	19.42	0.58	2.9	
HY067	West Humber at Hwy7	2.60	2.17	2.52	0.08	3.1	
HY021	Dufferin Reservoir	2.70	2.17	2.61	0.09	3.3	
HY037	King and Albion-Vaughan	2.40	3.33	2.32	0.08	3.3	
R-YR-VA-10	130 McCleary Crt.	2.40	2.76	2.32	0.08	3.3	
RG 29	RESERVOIR - NORTH BRAMPTON	8.00	4.80	7.71	0.29	3.6	
HY041	Tullamore	4.10	3.58	3.95	0.15	3.7	
TOR_RG-022	Fire Station 116	2.64	3.07	2.54	0.10	3.8	
STN 12	CVC	23.15	18.64	22.25	0.90	3.9	
HY099	Rathwood	30.30	27.97	29.04	1.26	4.2	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY008	Brickworks	3.02	3.54	2.84	0.18	6.0	
STN 06	Mississauga Valley	3.00	2.68	2.80	0.20	6.7	
RG 26	McLaughlin - Chris Gibson Recreation Centre	4.00	1.77	3.72	0.28	7.0	
R-YR-VA-24	121 Joseph Aaron Blvd	1.40	1.27	1.30	0.10	7.1	
RG 16	Hanlan	57.60	50.82	52.77	4.83	8.4	
TOR_RG-037	Edwards Gardens	15.61	13.90	14.18	1.43	9.2	
St. Hilary	St. Hilary Elementary School	12.60	10.74	11.43	1.17	9.3	
Victoria Yard	Victoria Yard	17.60	7.64	15.86	1.74	9.9	
RG 32	RESERVOIR - AIRPORT	2.60	1.87	2.33	0.27	10.4	
RG 46	St. Nicholas	3.80	4.16	3.36	0.44	11.6	
R-YR-VA-09	11 Aviva Park Dr.	12.00	13.25	10.48	1.52	12.7	
HY087	Westmount Park	2.20	2.20	1.90	0.30	13.6	
R-YR-VA-26	360 Thomas Cook Avenue	4.20	2.67	3.61	0.59	14.0	
TOR_RG-052	Etobicoke Olympium	23.76	16.98	19.91	3.85	16.2	
TOR_RG-012	Albion	22.79	16.65	17.67	5.12	22.5	
RG 20	PEEL/YORK ODOUR CONTROL	12.40	7.54	9.41	2.99	24.1	
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY002	Albion Hills	0.80	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.00	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.80	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.40	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY036	Kennedy Pump Station	0.00	---	---	---	---	MSTT
HY038	East Humber at Mill Road	0.80	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.00	---	---	---	---	MSTT
HY044	Milne Dam	0.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY055	Restoration Services	1.20	---	---	---	---	MSTT
HY069	York Pumping Station	0.80	---	---	---	---	MSTT
HY070	York Region Works Yard	0.40	---	---	---	---	MSTT
HY083	Oak Ridges	1.20	---	---	---	---	MSTT
HY086	RL Clark WTP	0.00	---	---	---	---	MSTT
HY094	Broadlands Community Centre	2.20	---	---	---	---	OAD

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY102	Petticoat Works Yard	0.20	---	---	---	---	MSTT
HY121	Balsam at 407	0.00	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.20	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	1.50	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	0.80	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.50	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.60	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.00	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.00	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.00	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-21	Parkland P.S.	0.00	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.60	---	---	---	---	MSTT
R-YR-AU-01	242 St John's Sideroad	0.00	---	---	---	---	MSTT
R-YR-AU-02	14019 Bathurst St.	0.40	---	---	---	---	MSTT
R-YR-AU-06	125 Wellington Street West	0.20	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.20	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.12	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	1.20	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	0.00	---	---	---	---	MSTT
R-YR-KI-08	25 King Boulevard	0.60	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.40	---	---	---	---	MSTT
R-YR-MA-03	2401 Denison St.	0.00	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.00	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.00	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.20	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	1.00	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.60	---	---	---	---	MSTT
R-YR-RH-15	201 Yorkland Street	1.60	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.80	---	---	---	---	MSTT
R-YR-VA-11	11201 Keele St.	1.40	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-27	115 Starling Blvd	1.00	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	0.80	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.20	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	1.40	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.60	---	---	---	---	MSTT
RG 60	PAULINE VANIER	5.00	---	---	---	---	OAD
STN 01	Lakeview	0.20	---	---	---	---	MSTT
STN 03	Wolfedale	1.00	---	---	---	---	MSTT
STN 04	Mississauga Central	8.43	---	---	---	---	U
STN 14	Port Credit	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.29	---	---	---	---	MSTT
TOR_RG-002	High Park	0.21	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.07	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.37	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.49	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-015	Bering	0.55	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.18	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.86	---	---	---	---	MSTT
TOR_RG-019	Jane	1.16	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.27	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.52	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-025	Ancaster	0.24	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.69	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.19	---	---	---	---	MSTT
TOR_RG-033	Nashdene Yard	0.00	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.18	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.09	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.00	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.49	---	---	---	---	MSTT
TOR_RG-040	Denton	0.33	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.00	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.10	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-045	Fairbank Memorial	0.75	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-047	Glen Long	0.50	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	1.09	---	---	---	---	MSTT
TOR_RG-051	Goulding	1.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-056	Fire Station 142	0.37	---	---	---	---	MSTT
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.08	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.16	---	---	---	---	T
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.08	---	---	---	---	MSTT
TOR_RG-062	Harwood Hall	0.64	---	---	---	---	MSTT

Table 24. Summary of Individual RG Pairs for Event 2j

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY046	Mississauga Works Yard	1.50	1.96	1.82	-0.32	-21.3	
TOR_RG-012	Albion	1.43	1.69	1.68	-0.25	-17.5	
TOR_RG-019	Jane	1.98	2.44	2.32	-0.34	-17.2	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	7.20	5.92	8.40	-1.20	-16.7	
R-YR-AU-09	1400 Wellington Street East	14.04	14.99	16.17	-2.13	-15.2	
R-YR-AU-06	125 Wellington Street West	4.60	4.98	5.27	-0.67	-14.6	
Copper Road RG	Copper Road	1.60	1.91	1.82	-0.22	-13.7	
TOR_RG-018	Thorncliffe	2.18	1.92	2.47	-0.29	-13.3	
HY044	Milne Dam	2.00	2.20	2.23	-0.23	-11.5	
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	1.49	1.54	1.66	-0.17	-11.4	
TOR_RG-060	MALVERN RECREATION CENTRE	1.27	1.41	1.41	-0.14	-11.0	
R-YR-MA-03	2401 Denison St.	2.20	2.31	2.42	-0.22	-10.0	
R-YR-RH-10	124 Blackmore Avenue	3.40	3.31	3.74	-0.34	-10.0	
R-YR-VA-27	115 Starling Blvd	5.00	5.93	5.49	-0.49	-9.8	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY021	Dufferin Reservoir	4.30	4.69	4.71	-0.41	-9.5	
TOR_RG-020	Finch Yard	1.69	2.05	1.85	-0.16	-9.5	
R-YR-MA-20	30 John Allen Cameron St.	1.40	1.71	1.53	-0.13	-9.3	
TOR_RG-051	Goulding	2.09	2.16	2.28	-0.19	-9.1	
R-YR-VA-16	900 Teston Rd.	4.00	4.79	4.36	-0.36	-9.0	
HY083	Oak Ridges	3.80	4.15	4.14	-0.34	-8.9	
HY060	Stouffville Dam	2.62	2.59	2.84	-0.22	-8.4	
RG 29	RESERVOIR - NORTH BRAMPTON	4.80	3.07	5.20	-0.40	-8.3	
R-MUN-MA-11	Milliken Mills C.C.	2.40	2.43	2.59	-0.19	-7.9	
RG 46	St. Nicholas	6.40	5.46	6.89	-0.49	-7.7	
TOR_RG-031	L'Amoreaux	2.07	1.97	2.23	-0.16	-7.7	
TOR_RG-002	High Park	1.44	1.82	1.55	-0.11	-7.6	
R-YR-VA-24	121 Joseph Aaron Blvd	2.80	2.94	3.00	-0.20	-7.1	
HY055	Restoration Services	6.00	6.10	6.41	-0.41	-6.8	
RG 16	Hanlan	1.80	1.48	1.91	-0.11	-6.1	
STN 05	Winding Trail	1.68	1.42	1.78	-0.10	-6.0	
R-MUN-MA-22	11091 Warden Ave	3.00	3.59	3.17	-0.17	-5.7	
R-YR-RH-01	500 Major Mackenzie Drive East.	3.60	3.62	3.80	-0.20	-5.6	
HY041	Tullamore	3.30	3.24	3.48	-0.18	-5.5	
HY087	Westmount Park	1.60	1.98	1.68	-0.08	-5.0	
R-MUN-MA-12	Markham Museum	2.20	2.42	2.31	-0.11	-5.0	
TOR_RG-052	Etobicoke Olympium	2.10	2.05	2.20	-0.10	-4.8	
R-YR-MA-19	10 Riviera Dr.	2.60	2.33	2.71	-0.11	-4.2	
RG 45	Bolton Recycle Center	12.00	9.13	12.51	-0.51	-4.2	
R-YR-KI-08	25 King Boulevard	4.00	4.23	4.15	-0.15	-3.8	
HY038	East Humber at Mill Road	5.00	5.15	5.17	-0.17	-3.4	
R-MUN-MA-14	8100 Warden Ave	2.75	2.59	2.84	-0.09	-3.3	
TOR_RG-001	Swansea Hall	1.58	1.89	1.63	-0.05	-3.2	
HY088	The Village at Black Creek	2.40	2.58	2.47	-0.07	-2.9	
TOR_RG-014	Richview	1.74	2.10	1.79	-0.05	-2.9	
HY067	West Humber at Hwy7	1.80	1.54	1.85	-0.05	-2.8	
TOR_RG-022	Fire Station 116	1.43	1.38	1.47	-0.04	-2.8	
R-YR-VA-09	11 Aviva Park Dr.	3.00	2.94	3.06	-0.06	-2.0	
R-YR-VA-11	11201 Keele St.	5.40	5.98	5.48	-0.08	-1.5	
TOR_RG-028	Cummer	2.04	1.73	2.07	-0.03	-1.5	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY096	Caledon East Soccer Complex	3.80	2.73	3.84	-0.04	-1.1	
R-YR-VA-02	2850 Rutherford Rd.	5.00	5.37	5.05	-0.05	-1.0	
TOR_RG-048	Etobicoke	2.16	2.08	2.18	-0.02	-0.9	
R-YR-VA-23	60 Burwick	4.00	3.39	4.03	-0.03	-0.8	
STN 13	Goreway	1.78	1.86	1.79	-0.01	-0.6	
TOR_RG-062	Harwood Hall	1.59	1.80	1.60	-0.01	-0.6	
R-MUN-MA-21	Parkland P.S.	2.25	2.13	2.26	-0.01	-0.4	
HY011	Bruces Mill CA	3.40	4.01	3.40	0.00	0.0	
HY063	Transport Canada	2.80	2.06	2.80	0.00	0.0	
R-MUN-MA-05	Thornhill C.C.	3.00	2.48	3.00	0.00	0.0	
R-YR-KI-07	5 Dillane Drive	11.80	6.65	11.80	0.00	0.0	
RG 36	CHINGUACOUSY LEACHATE PUMPING	3.20	2.26	3.20	0.00	0.0	
R-YR-VA-28	675 Vellore Park Avenue	5.60	6.03	5.59	0.01	0.2	
HY039	Kortright	6.40	6.33	6.38	0.02	0.3	
HY130	Elmbank Community Centre	1.69	1.72	1.68	0.01	0.6	
HY002	Albion Hills	10.80	6.23	10.72	0.08	0.7	
R-YR-NE-07	875 Stonehaven	17.80	17.45	17.67	0.13	0.7	
TOR_RG-045	Fairbank Memorial	1.40	1.52	1.39	0.01	0.7	
TOR_RG-017	Castle Field Yard	1.50	1.63	1.48	0.02	1.3	
TOR_RG-013	Martin Grove	1.98	2.19	1.95	0.03	1.5	
TOR_RG-034	Ellesmere Yard	1.85	1.49	1.82	0.03	1.6	
HY069	York Pumping Station	3.60	3.68	3.53	0.07	1.9	
RG 25	RESERVOIR - BECKETT SPROULE	1.60	1.65	1.57	0.03	1.9	
HY003	Alex Duff Memorial Pool	1.40	1.51	1.37	0.03	2.1	
R-YR-RH-15	201 Yorkland Street	3.80	3.76	3.72	0.08	2.1	
R-YR-VA-26	360 Thomas Cook Avenue	4.60	4.67	4.50	0.10	2.2	
R-YR-KI-03	65 Janet Ave.	6.40	5.87	6.25	0.15	2.3	
R-MUN-MA-13	Roy H Crosby P.S.	2.40	2.29	2.34	0.06	2.5	
TOR_RG-049	Fire Station 422	1.78	1.96	1.73	0.05	2.8	
TOR_RG-021	Emery Yard	2.08	2.00	2.02	0.06	2.9	
RG 22	Bramalea - Fire Station 202	1.60	1.54	1.55	0.05	3.1	
R-MUN-MA-07	Stornoway P.S.	3.60	2.92	3.48	0.12	3.3	
RG 59	TULLAMORE RESERVOIR	3.60	3.27	3.48	0.12	3.3	
R-YR-VA-13	10190 Keele Street	5.60	5.75	5.41	0.19	3.4	
TOR_RG-025	Ancaster	1.63	1.62	1.57	0.06	3.7	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY050	Morningside Works Yard	1.60	1.33	1.54	0.06	3.8	
R-MUN-MA-09	Lincoln Alexander P.S.	4.20	3.33	4.03	0.17	4.0	
TOR_RG-015	Bering	1.97	1.86	1.89	0.08	4.1	
HY043	Little Rouge at 16th	1.40	1.51	1.34	0.06	4.3	
RG 34	MCVEAN SEWAGE PUMPING	2.00	1.59	1.91	0.09	4.5	
TOR_RG-056	Fire Station 142	2.06	2.06	1.96	0.10	4.9	
R-YR-MA-01	7021 Leslie Street	2.60	2.02	2.47	0.13	5.0	
R-YR-VA-04	10299 Hwy 27	7.20	6.18	6.73	0.47	6.5	
R-YR-WS-05	100 Weldon Rd.	2.80	2.31	2.60	0.20	7.1	
HY070	York Region Works Yard	5.00	3.82	4.63	0.37	7.4	
R-MUN-MA-16	Fire Hall #94	3.25	2.70	3.01	0.24	7.4	
R-YR-VA-03	4630 Langstaff Rd.	5.80	4.71	5.34	0.46	7.9	
HY033	Heart Lake CA	3.40	1.76	3.12	0.28	8.2	
TOR_RG-033	Nashdene Yard	2.26	1.88	2.07	0.19	8.4	
RG 20	PEEL/YORK ODOUR CONTROL	2.00	1.77	1.83	0.17	8.5	
STN 08	Tomken	2.08	1.68	1.89	0.19	9.1	
R-MUN-MA-08	German Mills P.S.	2.75	2.03	2.48	0.27	9.8	
HY008	Brickworks	2.54	1.54	2.26	0.28	11.0	
R-YR-AU-02	14019 Bathurst St.	5.80	4.41	5.14	0.66	11.4	
R-MUN-MA-15	Rouge River C.C.	2.25	1.91	1.99	0.26	11.6	
R-YR-VA-22	300 Rosedale Heights	4.60	3.56	4.03	0.57	12.4	
R-YR-VA-10	130 McCleary Crt.	4.00	3.35	3.50	0.50	12.5	
HY036	Kennedy Pump Station	2.70	2.04	2.30	0.40	14.8	
HY099	Rathwood	2.30	1.36	1.96	0.34	14.8	
R-YR-AU-07	14875 Bayview Ave.	15.40	10.82	13.00	2.40	15.6	
R-YR-VA-01	4738 Steeles Ave. W.	3.20	2.39	2.69	0.51	15.9	
HY037	King and Albion-Vaughan	14.60	7.94	11.89	2.71	18.6	
CALEDON EAST RG	Caledon East	6.60	---	---	---	---	OMFB
GE Booth	GE Booth WWTP	0.40	---	---	---	---	MSTT
HY004	Bayly and Church	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.20	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.80	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	2.20	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY031	Goodwood Pumping Station	1.20	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.80	---	---	---	---	MSTT
HY086	RL Clark WTP	0.81	---	---	---	---	MSTT
HY094	Broadlands Community Centre	1.60	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.90	---	---	---	---	MSTT
HY121	Balsam at 407	0.50	---	---	---	---	MSTT
HY122	Durham Works Yard	0.00	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.80	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	Z
R-YR-AU-01	242 St John's Sideroad	13.60	---	---	---	---	OMFB
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	12.00	---	---	---	---	OAD
RG 23	BRITANNIA LEACHATE PUMPING	1.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	1.20	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.80	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	1.20	---	---	---	---	MSTT
RG 31	East Brampton Res	1.20	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	1.60	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	1.40	---	---	---	---	MSTT
RG 42	Caledon Reservoir	1.40	---	---	---	---	MSTT
RG 60	PAULINE VANIER	1.40	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.60	---	---	---	---	MSTT
STN 01	Lakeview	0.60	---	---	---	---	MSTT
STN 03	Wolfedale	1.60	---	---	---	---	MSTT
STN 04	Mississauga Central	0.47	---	---	---	---	U
STN 06	Mississauga Valley	1.00	---	---	---	---	MSTT
STN 07	Streetsville	0.40	---	---	---	---	MSTT
STN 12	CVC	1.16	---	---	---	---	MSTT
STN 14	Port Credit	1.09	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	1.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	1.09	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.96	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	1.06	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.61	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-016	Kipling	1.05	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	1.05	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-036	Ashbridges Bay	0.46	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	1.01	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	1.17	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	1.26	---	---	---	---	MSTT
TOR_RG-040	Denton	0.71	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.98	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.80	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.92	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-047	Glen Long	1.24	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	1.15	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.43	---	---	---	---	T
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.95	---	---	---	---	MSTT
Victoria Yard	Victoria Yard	0.40	---	---	---	---	MSTT

Table 25. Summary of Individual RG Pairs for Event 2k

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-AU-01	242 St John's Sideroad	1.60	5.05	3.82	-2.22	-138.7	
R-YR-RH-15	201 Yorkland Street	1.60	3.50	3.52	-1.92	-120.0	
HY083	Oak Ridges	3.60	4.54	5.26	-1.66	-46.1	
R-YR-VA-13	10190 Keele Street	2.60	2.01	2.90	-0.30	-11.5	
HY021	Dufferin Reservoir	1.90	1.44	2.06	-0.16	-8.4	
R-YR-VA-26	360 Thomas Cook Avenue	3.80	2.51	3.69	0.11	2.9	
R-YR-VA-11	11201 Keele St.	5.20	3.00	4.93	0.27	5.2	
R-YR-VA-22	300 Rosedale Heights	4.00	2.38	3.78	0.22	5.5	
R-YR-KI-08	25 King Boulevard	7.20	3.34	6.72	0.48	6.7	
R-YR-VA-16	900 Teston Rd.	7.40	4.46	6.73	0.67	9.1	

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-AU-02	14019 Bathurst St.	12.20	6.33	10.77	1.43	11.7	
R-YR-AU-06	125 Wellington Street West	10.80	6.90	8.87	1.93	17.9	
HY069	York Pumping Station	12.40	6.59	9.75	2.65	21.4	
BOLTON SEWAGE PUMPING	Bolton Sewage Pumping Station	0.80	---	---	---	---	MSTT
CALEDON EAST RG	Caledon East	1.80	---	---	---	---	MSTT
Copper Road RG	Copper Road	0.00	---	---	---	---	MSTT
GE Booth	GE Booth WWTP	0.00	---	---	---	---	MSTT
HY002	Albion Hills	1.30	---	---	---	---	MSTT
HY003	Alex Duff Memorial Pool	0.00	---	---	---	---	MSTT
HY004	Bayly and Church	0.20	---	---	---	---	MSTT
HY008	Brickworks	0.00	---	---	---	---	MSTT
HY009	Brock West Landfill	0.20	---	---	---	---	MSTT
HY011	Bruces Mill CA	0.10	---	---	---	---	MSTT
HY016	Danforth and Coxwell	0.00	---	---	---	---	MSTT
HY027	G Ross Dam	ND	---	---	---	---	ND
HY030	Glen Haffy	1.60	---	---	---	---	MSTT
HY031	Goodwood Pumping Station	0.20	---	---	---	---	MSTT
HY033	Heart Lake CA	0.00	---	---	---	---	MSTT
HY036	Kennedy Pump Station	0.10	---	---	---	---	MSTT
HY037	King and Albion-Vaughan	1.40	---	---	---	---	MSTT
HY038	East Humber at Mill Road	2.00	---	---	---	---	MSTT
HY039	Kortright	0.60	---	---	---	---	MSTT
HY041	Tullamore	0.20	---	---	---	---	MSTT
HY043	Little Rouge at 16th	0.20	---	---	---	---	MSTT
HY044	Milne Dam	0.40	---	---	---	---	MSTT
HY046	Mississauga Works Yard	0.00	---	---	---	---	MSTT
HY050	Morningside Works Yard	0.00	---	---	---	---	MSTT
HY055	Restoration Services	0.40	---	---	---	---	MSTT
HY060	Stouffville Dam	0.00	---	---	---	---	MSTT
HY061	Sue Grange Farm	0.80	---	---	---	---	MSTT
HY063	Transport Canada	0.20	---	---	---	---	MSTT
HY067	West Humber at Hwy7	0.40	---	---	---	---	MSTT
HY070	York Region Works Yard	0.80	---	---	---	---	MSTT
HY086	RL Clark WTP	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
HY087	Westmount Park	0.20	---	---	---	---	MSTT
HY088	The Village at Black Creek	0.60	---	---	---	---	MSTT
HY094	Broadlands Community Centre	0.00	---	---	---	---	MSTT
HY096	Caledon East Soccer Complex	1.20	---	---	---	---	MSTT
HY099	Rathwood	0.00	---	---	---	---	MSTT
HY102	Petticoat Works Yard	0.20	---	---	---	---	MSTT
HY121	Balsam at 407	0.50	---	---	---	---	MSTT
HY122	Durham Works Yard	0.30	---	---	---	---	MSTT
HY124	Claremont Nature Centre	0.60	---	---	---	---	MSTT
HY130	Elmbank Community Centre	0.00	---	---	---	---	MSTT
R-MUN-MA-05	Thornhill C.C.	1.25	---	---	---	---	MSTT
R-MUN-MA-07	Stornoway P.S.	1.20	---	---	---	---	MSTT
R-MUN-MA-08	German Mills P.S.	0.50	---	---	---	---	MSTT
R-MUN-MA-09	Lincoln Alexander P.S.	0.60	---	---	---	---	MSTT
R-MUN-MA-11	Milliken Mills C.C.	0.40	---	---	---	---	MSTT
R-MUN-MA-12	Markham Museum	0.40	---	---	---	---	MSTT
R-MUN-MA-13	Roy H Crosby P.S.	0.60	---	---	---	---	MSTT
R-MUN-MA-14	8100 Warden Ave	0.50	---	---	---	---	MSTT
R-MUN-MA-15	Rouge River C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-16	Fire Hall #94	0.50	---	---	---	---	MSTT
R-MUN-MA-18	Angus Glen C.C.	0.00	---	---	---	---	MSTT
R-MUN-MA-21	Parkland P.S.	0.25	---	---	---	---	MSTT
R-MUN-MA-22	11091 Warden Ave	0.40	---	---	---	---	MSTT
R-YR-AU-07	14875 Bayview Ave.	0.80	---	---	---	---	MSTT
R-YR-AU-09	1400 Wellington Street East	0.31	---	---	---	---	MSTT
R-YR-KI-03	65 Janet Ave.	1.60	---	---	---	---	MSTT
R-YR-KI-07	5 Dillane Drive	2.00	---	---	---	---	MSTT
R-YR-MA-01	7021 Leslie Street	0.80	---	---	---	---	MSTT
R-YR-MA-03	2401 Denison St.	0.20	---	---	---	---	MSTT
R-YR-MA-19	10 Riviera Dr.	0.20	---	---	---	---	MSTT
R-YR-MA-20	30 John Allen Cameron St.	0.20	---	---	---	---	MSTT
R-YR-NE-07	875 Stonehaven	0.80	---	---	---	---	MSTT
R-YR-RH-01	500 Major Mackenzie Drive East.	1.00	---	---	---	---	MSTT
R-YR-RH-10	124 Blackmore Avenue	0.80	---	---	---	---	MSTT
R-YR-VA-01	4738 Steeles Ave. W.	0.20	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
R-YR-VA-02	2850 Rutherford Rd.	0.80	---	---	---	---	MSTT
R-YR-VA-03	4630 Langstaff Rd.	0.40	---	---	---	---	MSTT
R-YR-VA-04	10299 Hwy 27	0.20	---	---	---	---	MSTT
R-YR-VA-09	11 Aviva Park Dr.	0.60	---	---	---	---	MSTT
R-YR-VA-10	130 McCleary Crt.	0.60	---	---	---	---	MSTT
R-YR-VA-23	60 Burwick	0.20	---	---	---	---	MSTT
R-YR-VA-24	121 Joseph Aaron Blvd	1.60	---	---	---	---	MSTT
R-YR-VA-27	115 Starling Blvd	1.00	---	---	---	---	MSTT
R-YR-VA-28	675 Vellore Park Avenue	1.60	---	---	---	---	MSTT
R-YR-WS-05	100 Weldon Rd.	0.20	---	---	---	---	MSTT
R-YR-WS-06	5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4	0.40	---	---	---	---	MSTT
RG 16	Hanlan	0.00	---	---	---	---	MSTT
RG 20	PEEL/YORK ODOUR CONTROL	0.20	---	---	---	---	MSTT
RG 22	Bramalea - Fire Station 202	0.40	---	---	---	---	MSTT
RG 23	BRITANNIA LEACHATE PUMPING	0.00	---	---	---	---	MSTT
RG 24	MULLET CREEK SEWAGE	0.40	---	---	---	---	MSTT
RG 25	RESERVOIR - BECKETT SPROULE	0.20	---	---	---	---	MSTT
RG 26	McLaughlin - Chris Gibson Recreation Centre	0.00	---	---	---	---	MSTT
RG 27	RESERVOIR - WEST BRAMPTON	0.20	---	---	---	---	MSTT
RG 29	RESERVOIR - NORTH BRAMPTON	0.40	---	---	---	---	MSTT
RG 31	East Brampton Res	0.60	---	---	---	---	MSTT
RG 32	RESERVOIR - AIRPORT	0.80	---	---	---	---	MSTT
RG 34	MCVEAN SEWAGE PUMPING	0.20	---	---	---	---	MSTT
RG 36	CHINGUACOUSY LEACHATE PUMPING	0.60	---	---	---	---	MSTT
RG 39	Inglewood Pumping Stn	0.20	---	---	---	---	MSTT
RG 42	Caledon Reservoir	0.20	---	---	---	---	MSTT
RG 45	Bolton Recycle Center	2.40	---	---	---	---	MSTT
RG 46	St. Nicholas	0.60	---	---	---	---	MSTT
RG 59	TULLAMORE RESERVOIR	1.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
RG 60	PAULINE VANIER	0.40	---	---	---	---	MSTT
RG 62	Alloa Reservoir RG	0.20	---	---	---	---	MSTT
STN 01	Lakeview	0.00	---	---	---	---	MSTT
STN 03	Wolfedale	0.00	---	---	---	---	MSTT
STN 04	Mississauga Central	0.00	---	---	---	---	MSTT
STN 05	Winding Trail	0.24	---	---	---	---	MSTT
STN 06	Mississauga Valley	0.00	---	---	---	---	MSTT
STN 07	Streetsville	0.00	---	---	---	---	MSTT
STN 08	Tomken	0.00	---	---	---	---	MSTT
STN 12	CVC	0.46	---	---	---	---	MSTT
STN 13	Goreway	0.00	---	---	---	---	MSTT
STN 14	Port Credit	0.00	---	---	---	---	MSTT
St. Hilary	St. Hilary Elementary School	0.00	---	---	---	---	MSTT
TOR_RG-001	Swansea Hall	0.00	---	---	---	---	MSTT
TOR_RG-002	High Park	0.00	---	---	---	---	MSTT
TOR_RG-003	Fire Station 315	0.00	---	---	---	---	MSTT
TOR_RG-004	High Level PS	0.00	---	---	---	---	MSTT
TOR_RG-006	Allan Gardens	0.08	---	---	---	---	MSTT
TOR_RG-007	Greenwood	0.00	---	---	---	---	MSTT
TOR_RG-012	Albion	0.00	---	---	---	---	MSTT
TOR_RG-013	Martin Grove	0.00	---	---	---	---	MSTT
TOR_RG-014	Richview	0.00	---	---	---	---	MSTT
TOR_RG-015	Bering	0.00	---	---	---	---	MSTT
TOR_RG-016	Kipling	0.00	---	---	---	---	MSTT
TOR_RG-017	Castle Field Yard	0.00	---	---	---	---	MSTT
TOR_RG-018	Thorncliffe	0.00	---	---	---	---	MSTT
TOR_RG-019	Jane	0.14	---	---	---	---	MSTT
TOR_RG-020	Finch Yard	0.59	---	---	---	---	MSTT
TOR_RG-021	Emery Yard	0.00	---	---	---	---	MSTT
TOR_RG-022	Fire Station 116	0.13	---	---	---	---	MSTT
TOR_RG-023	Bermondsey Yard	0.00	---	---	---	---	MSTT
TOR_RG-024	Wilson	ND	---	---	---	---	ND
TOR_RG-025	Ancaster	0.16	---	---	---	---	MSTT
TOR_RG-028	Cummer	0.42	---	---	---	---	MSTT
TOR_RG-030	Brookbanks	ND	---	---	---	---	ND
TOR_RG-031	L'Amoreaux	0.00	---	---	---	---	MSTT

Gauge ID	Name	G_i (mm)	R_i (mm)	R_i* (mm)	Diff* (mm)	Diff* (%)	Flag
TOR_RG-033	Nashdene Yard	0.04	---	---	---	---	MSTT
TOR_RG-034	Ellesmere Yard	0.00	---	---	---	---	MSTT
TOR_RG-036	Ashbridges Bay	0.00	---	---	---	---	MSTT
TOR_RG-037	Edwards Gardens	0.18	---	---	---	---	MSTT
TOR_RG-038	Fire Station 215	0.15	---	---	---	---	MSTT
TOR_RG-039	North Toronto Memorial	0.11	---	---	---	---	MSTT
TOR_RG-040	Denton	0.00	---	---	---	---	MSTT
TOR_RG-041	Heron Park	0.07	---	---	---	---	MSTT
TOR_RG-042	Don Montgomery	0.00	---	---	---	---	MSTT
TOR_RG-044	Fire Station 121	0.65	---	---	---	---	MSTT
TOR_RG-045	Fairbank Memorial	0.00	---	---	---	---	MSTT
TOR_RG-046	Fire Station 415	ND	---	---	---	---	ND
TOR_RG-047	Glen Long	0.00	---	---	---	---	MSTT
TOR_RG-048	Etobicoke	0.10	---	---	---	---	MSTT
TOR_RG-049	Fire Station 422	0.00	---	---	---	---	MSTT
TOR_RG-051	Goulding	1.83	---	---	---	---	MSTT
TOR_RG-052	Etobicoke Olympium	0.00	---	---	---	---	MSTT
TOR_RG-054	Fire Station 442	ND	---	---	---	---	ND
TOR_RG-056	Fire Station 142	0.08	---	---	---	---	MSTT
TOR_RG-057	WATERFRONT NEIGHBOURHOOD CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-058	PLEASANT VIEW COMMUNITY CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-059	BEACHES RECREATION CENTRE	0.01	---	---	---	---	T
TOR_RG-060	MALVERN RECREATION CENTRE	0.00	---	---	---	---	MSTT
TOR_RG-061	SCARBOROUGH VILLAGE RECREATION CENTRE	0.05	---	---	---	---	MSTT
TOR_RG-062	Harwood Hall	0.00	---	---	---	---	MSTT
Victoria Yard	Victoria Yard	0.60	---	---	---	---	MSTT

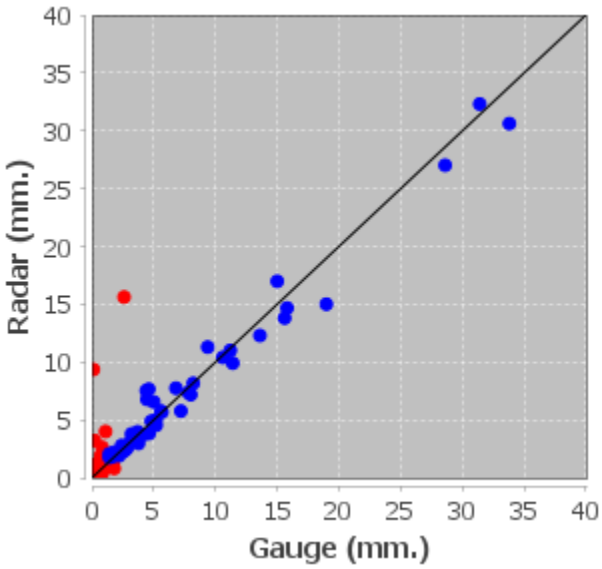


Figure 12. Scatter Plot of RG Pairs for Event 2a

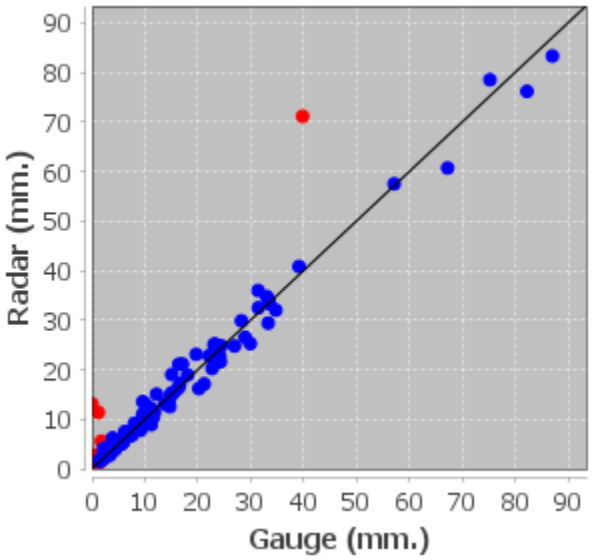


Figure 13. Scatter Plot of RG Pairs for Event 2b

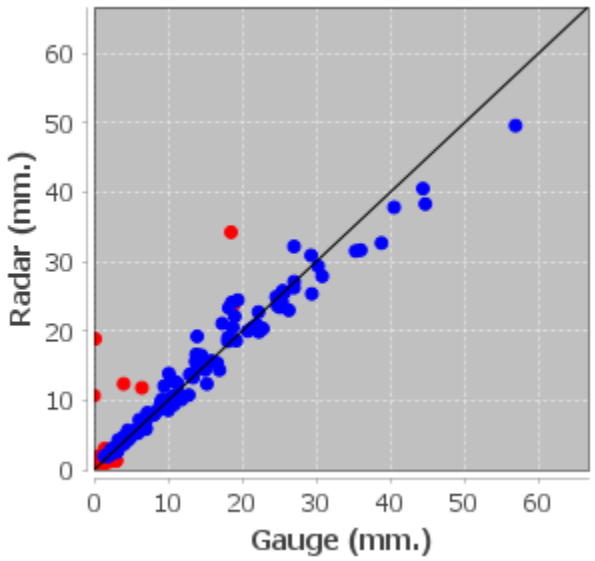


Figure 14. Scatter Plot of RG Pairs for Event 2c

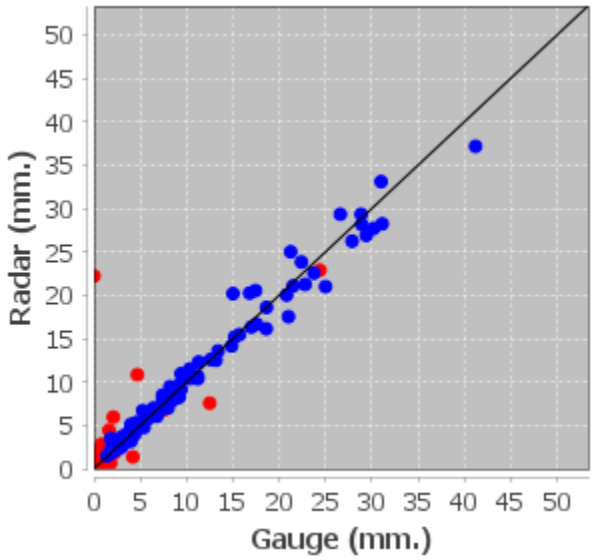


Figure 15. Scatter Plot of RG Pairs for Event 2d

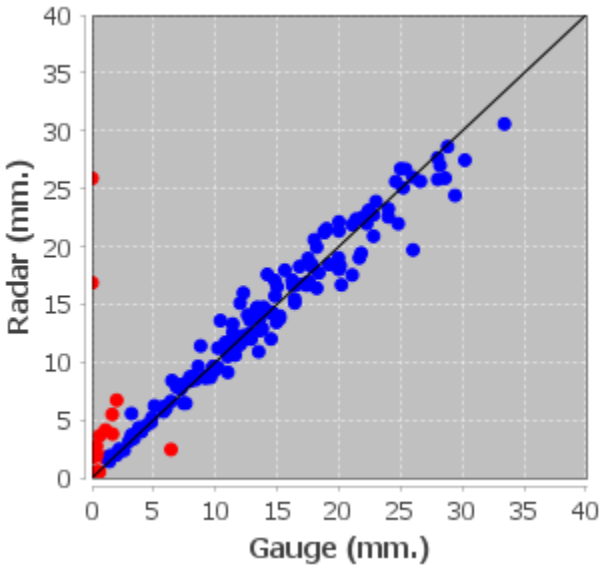


Figure 16. Scatter Plot of RG Pairs for Event 2e

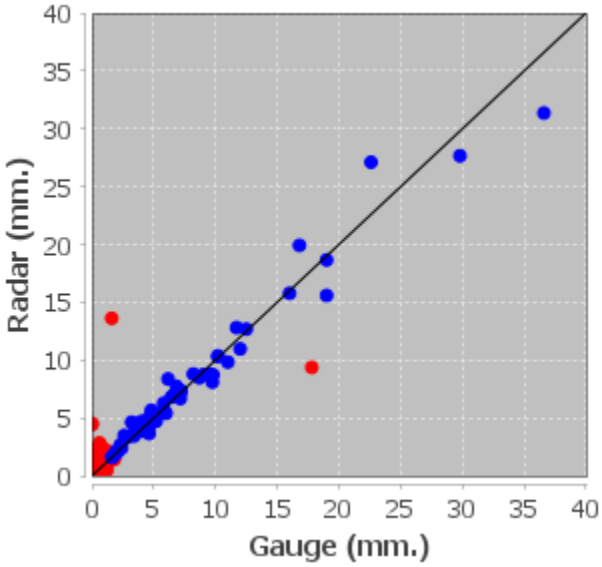


Figure 17. Scatter Plot of RG Pairs for Event 2f

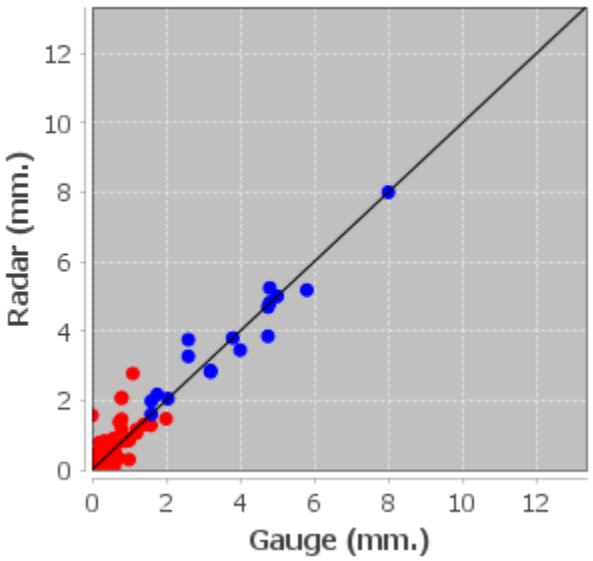


Figure 18. Scatter Plot of RG Pairs for Event 2g

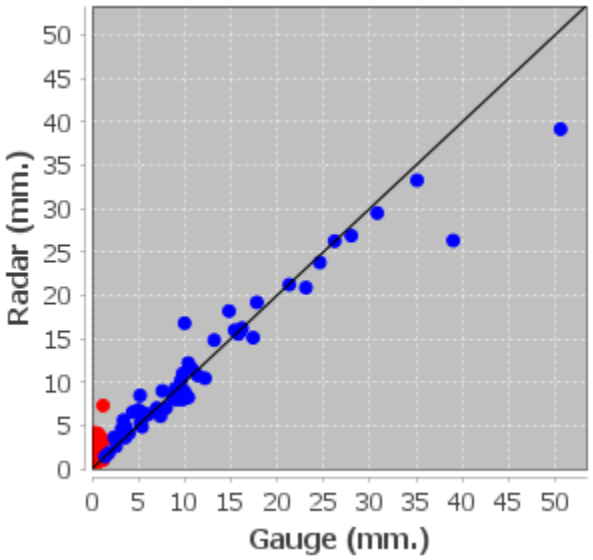


Figure 19. Scatter Plot of RG Pairs for Event 2h

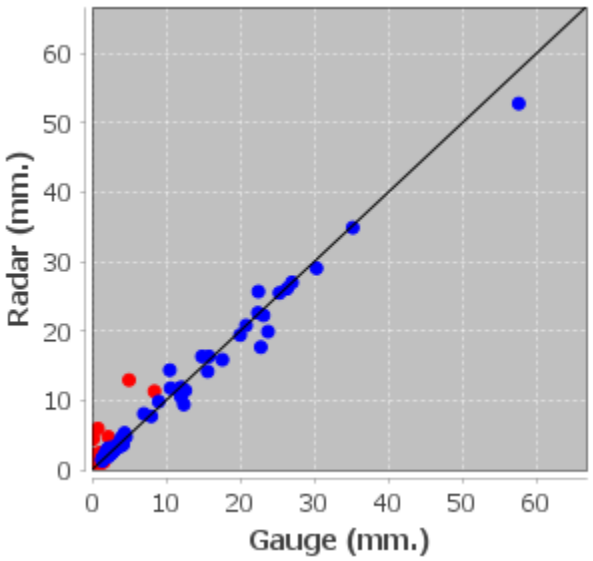


Figure 20. Scatter Plot of RG Pairs for Event 2i

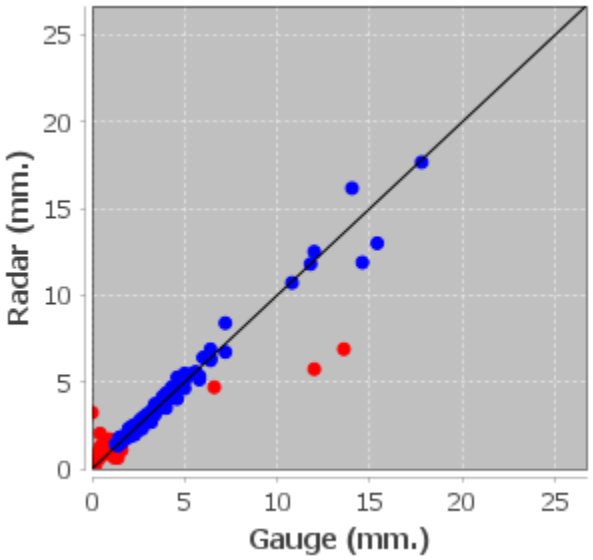


Figure 21. Scatter Plot of RG Pairs for Event 2j

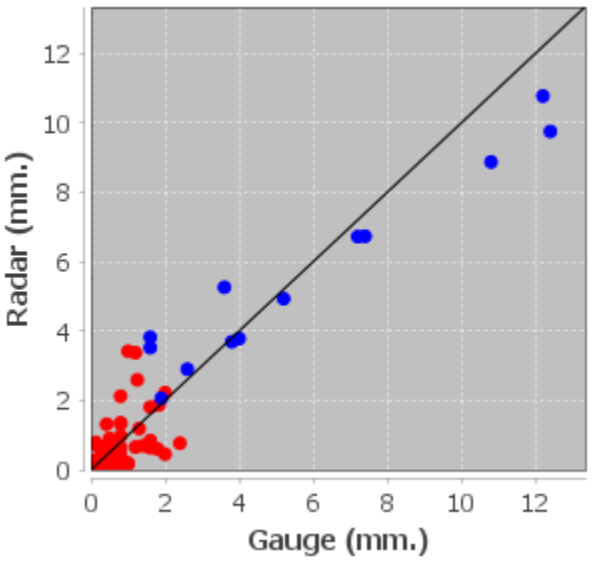


Figure 22. Scatter Plot of RG Pairs for Event 2k

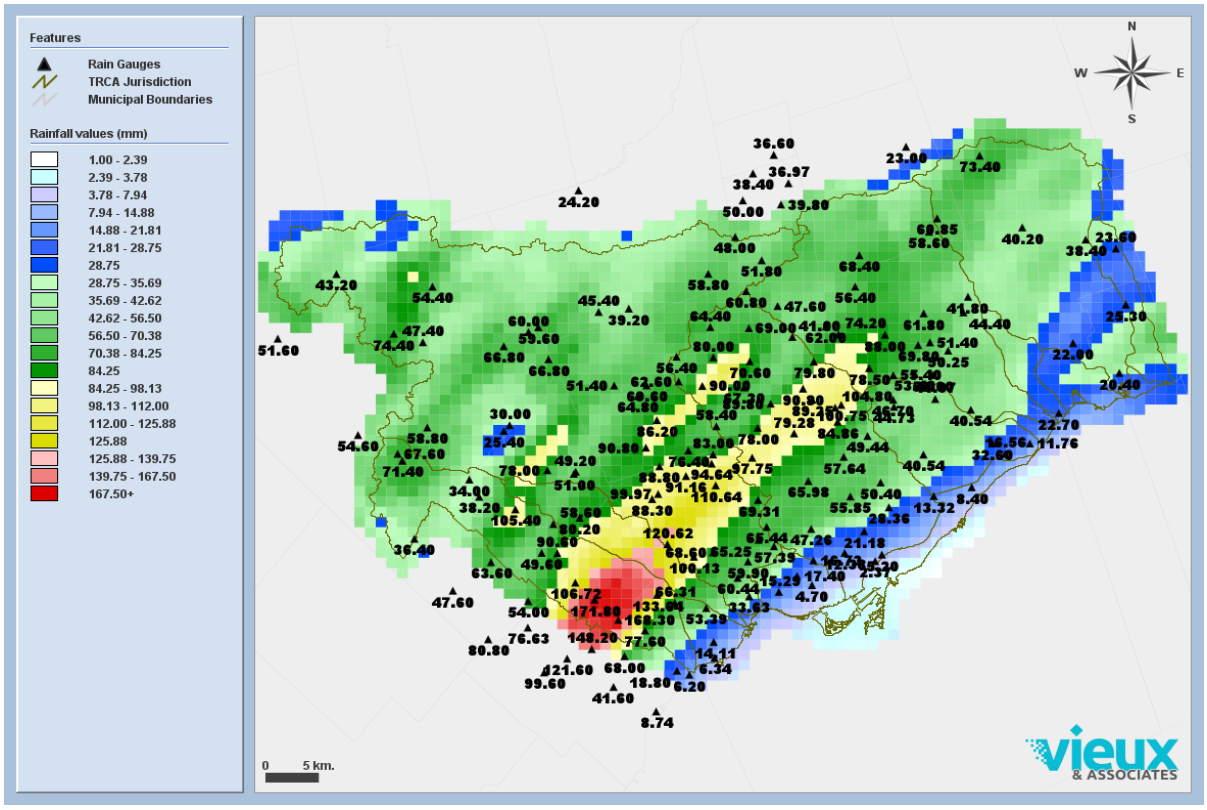


Figure 23. GARR Storm Total for Event 2

Appendices

Appendix A - Gauge Performance Exclusion Table
Appendix B - Gauge Statistical Criteria Exclusion Table
Appendix C - Event 1 (2024-07-16) CDPs
Appendix D - Event 2 (2024-08-17) CDPs

Appendix A - Gauge Performance Exclusion Table

Reason	Explanation
Clog (C)	Gauge appeared to be clogged
Zero (Z)	Gauge did not report any rainfall while radar rainfall estimates reported significant rainfall
Stop (S)	Gauge appeared to stop reporting rainfall while radar rainfall estimates reported significant rainfall
Over (O)	Gauge appeared to significantly over-report rainfall as compared to radar rainfall estimates and surrounding gauges (e.g. anomalously high rainfall values caused by field calibration, data transmission error, or switch malfunctions)
Under (U)	Gauge appeared to significantly under-report as compared to radar rainfall estimates and surrounding Gauges (e.g. half-tipper)
Sync (SY)	Gauge appeared to be reporting out-of-sync with the radar rainfall estimates
Frozen/Melt (F/M)	Gauge not reporting properly due to frozen or melting precipitation
Other (T)	Combination of multiple reasons
No Data (ND)	Gauge reported "no data" for a significant amount of time

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
HY002					
HY003					
HY004					
HY008					U
HY009					
HY011					
HY016	S				
HY021					
HY027					
HY030					
HY031					
HY033					
HY036					
HY037					
HY038					
HY039					
HY041					
HY043					
HY044					
HY046					
HY050					
HY055					
HY060					
HY061					
HY063					
HY067					
HY069					
HY070					

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
HY083					
HY086					
HY087					
HY088					
HY094					
HY096					
HY099					
HY102					
HY121					
HY122					
HY124					
HY130					
BOLTON SEWAGE PUMPING					
CALEDON EAST RG					
Copper Road RG					
GE Booth					
RG 16					
RG 20					
RG 22					
RG 23					
RG 24					
RG 25					
RG 26					
RG 27					
RG 29					

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
RG 31					
RG 32					
RG 34					
RG 36					
RG 39					
RG 42					
RG 45					
RG 46					
RG 59					
RG 60					
RG 62					
St. Hilary					
Victoria Yard					
STN 01					
STN 03					
STN 04	S	Z		U	U
STN 05					
STN 06					
STN 07					
STN 08					
STN 12					
STN 13					
STN 14					
TOR_RG-001					
TOR_RG-002					
TOR_RG-003					
TOR_RG-004					
TOR_RG-006					

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
TOR_RG-007					
TOR_RG-012					
TOR_RG-013					
TOR_RG-014					
TOR_RG-015					
TOR_RG-016					
TOR_RG-017					
TOR_RG-018					
TOR_RG-019					
TOR_RG-020					
TOR_RG-021					
TOR_RG-022					
TOR_RG-023					
TOR_RG-024					
TOR_RG-025					
TOR_RG-028					
TOR_RG-030	ND	ND	ND	ND	ND
TOR_RG-031					
TOR_RG-033					
TOR_RG-034					
TOR_RG-036					
TOR_RG-037					
TOR_RG-038					
TOR_RG-039					
TOR_RG-040					
TOR_RG-041					
TOR_RG-042					
TOR_RG-044					

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
TOR_RG-045					
TOR_RG-046					
TOR_RG-047					
TOR_RG-048					
TOR_RG-049					
TOR_RG-051					
TOR_RG-052					
TOR_RG-054					
TOR_RG-056					
TOR_RG-057					
TOR_RG-058					
TOR_RG-059	T	T		T	T
TOR_RG-060					
TOR_RG-061					
TOR_RG-062					
R-YR-AU-01					
R-YR-AU-02					
R-YR-AU-06					
R-YR-AU-07					
R-YR-AU-09					
R-YR-KI-03					
R-YR-KI-07					
R-YR-KI-08					
R-YR-MA-01					
R-YR-MA-03					
R-YR-MA-19					
R-YR-MA-20					
R-YR-NE-07					

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
R-YR-RH-01					
R-YR-RH-10					
R-YR-RH-15					
R-YR-VA-01					
R-YR-VA-02					
R-YR-VA-03					
R-YR-VA-04					
R-YR-VA-09					
R-YR-VA-10					
R-YR-VA-11					
R-YR-VA-13					
R-YR-VA-16					
R-YR-VA-22					
R-YR-VA-23					
R-YR-VA-24					
R-YR-VA-26					
R-YR-VA-27					
R-YR-VA-28					
R-YR-WS-05					
R-YR-WS-06					
R-MUN-MA-05					
R-MUN-MA-07					
R-MUN-MA-08					
R-MUN-MA-09					
R-MUN-MA-11					
R-MUN-MA-12					
R-MUN-MA-13					
R-MUN-MA-14					

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
R-MUN-MA-15					
R-MUN-MA-16					
R-MUN-MA-18					
R-MUN-MA-21					
R-MUN-MA-22					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
HY002					
HY003					
HY004					
HY008	O				
HY009					
HY011					
HY016					
HY021					
HY027				ND	ND
HY030					
HY031					
HY033					
HY036					
HY037					
HY038					
HY039					
HY041					
HY043					
HY044					
HY046					
HY050					
HY055					
HY060					
HY061					
HY063					
HY067					
HY069					
HY070					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
HY083					
HY086					
HY087					
HY088					
HY094					
HY096					
HY099					
HY102					
HY121					
HY122					
HY124					
HY130					
BOLTON SEWAGE PUMPING					
CALEDON EAST RG					
Copper Road RG					
GE Booth					
RG 16					
RG 20					
RG 22					
RG 23					
RG 24					
RG 25					
RG 26					
RG 27					
RG 29					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
RG 31					
RG 32					
RG 34					
RG 36					
RG 39					
RG 42					
RG 45					
RG 46					
RG 59					
RG 60					
RG 62					
St. Hilary					
Victoria Yard					
STN 01					
STN 03					
STN 04	U	U		U	U
STN 05					
STN 06					
STN 07					
STN 08					
STN 12					
STN 13					
STN 14					
TOR_RG-001			ND		
TOR_RG-002					
TOR_RG-003					
TOR_RG-004					
TOR_RG-006					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
TOR_RG-007					
TOR_RG-012					
TOR_RG-013					
TOR_RG-014					
TOR_RG-015			ND		
TOR_RG-016					
TOR_RG-017					
TOR_RG-018					
TOR_RG-019					
TOR_RG-020					
TOR_RG-021					
TOR_RG-022					
TOR_RG-023					
TOR_RG-024				ND	ND
TOR_RG-025					
TOR_RG-028					
TOR_RG-030	ND	ND	ND	ND	ND
TOR_RG-031					
TOR_RG-033					
TOR_RG-034					
TOR_RG-036					
TOR_RG-037					
TOR_RG-038		ND			
TOR_RG-039					
TOR_RG-040					
TOR_RG-041					
TOR_RG-042					
TOR_RG-044					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
TOR_RG-045			ND		
TOR_RG-046				ND	ND
TOR_RG-047			ND		
TOR_RG-048					
TOR_RG-049			ND		
TOR_RG-051					
TOR_RG-052					
TOR_RG-054				ND	ND
TOR_RG-056					
TOR_RG-057					
TOR_RG-058					
TOR_RG-059	T	T			T
TOR_RG-060					
TOR_RG-061					
TOR_RG-062					
R-YR-AU-01					
R-YR-AU-02					
R-YR-AU-06					
R-YR-AU-07					
R-YR-AU-09					
R-YR-KI-03					
R-YR-KI-07					
R-YR-KI-08					
R-YR-MA-01					
R-YR-MA-03					
R-YR-MA-19					
R-YR-MA-20					
R-YR-NE-07					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
R-YR-RH-01					
R-YR-RH-10					
R-YR-RH-15					
R-YR-VA-01					
R-YR-VA-02					
R-YR-VA-03					
R-YR-VA-04					
R-YR-VA-09					
R-YR-VA-10					
R-YR-VA-11					
R-YR-VA-13					
R-YR-VA-16					
R-YR-VA-22					
R-YR-VA-23					
R-YR-VA-24					
R-YR-VA-26					
R-YR-VA-27					
R-YR-VA-28					
R-YR-WS-05					
R-YR-WS-06					
R-MUN-MA-05					
R-MUN-MA-07					
R-MUN-MA-08					
R-MUN-MA-09					
R-MUN-MA-11					
R-MUN-MA-12					
R-MUN-MA-13					
R-MUN-MA-14					

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
R-MUN-MA-15					
R-MUN-MA-16					
R-MUN-MA-18					Z
R-MUN-MA-21					
R-MUN-MA-22					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
HY002					
HY003					
HY004					
HY008					
HY009					
HY011					
HY016					
HY021					
HY027	ND	ND	ND	ND	ND
HY030					
HY031					
HY033					
HY036					
HY037					
HY038					
HY039					
HY041					
HY043					
HY044					
HY046	U	O			
HY050					
HY055					
HY060					
HY061					
HY063					
HY067					
HY069					
HY070					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
HY083					
HY086					
HY087					
HY088					
HY094					
HY096					
HY099					
HY102					
HY121					
HY122					
HY124					
HY130					
BOLTON SEWAGE PUMPING					
CALEDON EAST RG					
Copper Road RG					
GE Booth					
RG 16					
RG 20					
RG 22					
RG 23					
RG 24					
RG 25					
RG 26					
RG 27					
RG 29					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
RG 31					
RG 32					
RG 34					
RG 36					
RG 39					
RG 42					
RG 45					
RG 46					
RG 59					
RG 60					
RG 62					
St. Hilary					
Victoria Yard					
STN 01					
STN 03					
STN 04	U	U	U		
STN 05					
STN 06					
STN 07					
STN 08					
STN 12					
STN 13	U	O			
STN 14					
TOR_RG-001					
TOR_RG-002					
TOR_RG-003					
TOR_RG-004					
TOR_RG-006					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
TOR_RG-007					
TOR_RG-012					
TOR_RG-013					
TOR_RG-014					
TOR_RG-015					
TOR_RG-016					
TOR_RG-017					
TOR_RG-018					
TOR_RG-019					
TOR_RG-020					
TOR_RG-021					
TOR_RG-022					
TOR_RG-023					
TOR_RG-024	ND	ND	ND	ND	ND
TOR_RG-025					
TOR_RG-028					
TOR_RG-030	ND	ND	ND	ND	ND
TOR_RG-031					
TOR_RG-033					
TOR_RG-034					
TOR_RG-036					
TOR_RG-037					
TOR_RG-038					
TOR_RG-039					
TOR_RG-040					
TOR_RG-041					
TOR_RG-042					
TOR_RG-044					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
TOR_RG-045					
TOR_RG-046	ND	ND	ND	ND	ND
TOR_RG-047					
TOR_RG-048					
TOR_RG-049					
TOR_RG-051					
TOR_RG-052					
TOR_RG-054	ND	ND	ND	ND	ND
TOR_RG-056					
TOR_RG-057					
TOR_RG-058					
TOR_RG-059	T	T	T	T	T
TOR_RG-060					
TOR_RG-061					
TOR_RG-062					
R-YR-AU-01					
R-YR-AU-02					
R-YR-AU-06					
R-YR-AU-07					
R-YR-AU-09					
R-YR-KI-03					
R-YR-KI-07					
R-YR-KI-08					
R-YR-MA-01					
R-YR-MA-03					
R-YR-MA-19	U	O			
R-YR-MA-20					
R-YR-NE-07					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
R-YR-RH-01					
R-YR-RH-10					
R-YR-RH-15					
R-YR-VA-01					
R-YR-VA-02					
R-YR-VA-03					
R-YR-VA-04					
R-YR-VA-09					
R-YR-VA-10					
R-YR-VA-11					
R-YR-VA-13					
R-YR-VA-16					
R-YR-VA-22					
R-YR-VA-23					
R-YR-VA-24					
R-YR-VA-26					
R-YR-VA-27					
R-YR-VA-28					
R-YR-WS-05					
R-YR-WS-06					
R-MUN-MA-05					
R-MUN-MA-07					
R-MUN-MA-08					
R-MUN-MA-09					
R-MUN-MA-11					
R-MUN-MA-12					
R-MUN-MA-13					
R-MUN-MA-14					

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
R-MUN-MA-15					
R-MUN-MA-16					
R-MUN-MA-18	Z	Z	Z	Z	
R-MUN-MA-21					
R-MUN-MA-22					

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
HY002				
HY003				
HY004				
HY008				
HY009				
HY011				
HY016				
HY021				
HY027	ND	ND	ND	ND
HY030				
HY031				
HY033				
HY036				
HY037				
HY038				
HY039				
HY041				
HY043				
HY044				
HY046				
HY050				
HY055				
HY060				
HY061				
HY063				
HY067				
HY069				
HY070				

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
HY083				
HY086				
HY087				
HY088				
HY094				
HY096				
HY099				
HY102				
HY121				
HY122				
HY124				
HY130				
BOLTON SEWAGE PUMPING				
CALEDON EAST RG				
Copper Road RG				
GE Booth				
RG 16				
RG 20				
RG 22				
RG 23				
RG 24				
RG 25				
RG 26				
RG 27				
RG 29				
RG 31				
RG 32				

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
RG 34				
RG 36				
RG 39				
RG 42				
RG 45				
RG 46				
RG 59				
RG 60				
RG 62				
St. Hilary				
Victoria Yard				
STN 01				
STN 03				
STN 04		U	U	
STN 05				
STN 06				
STN 07				
STN 08				
STN 12				
STN 13				
STN 14				
TOR_RG-001				
TOR_RG-002				
TOR_RG-003				
TOR_RG-004				
TOR_RG-006				
TOR_RG-007				
TOR_RG-012				

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
TOR_RG-013				
TOR_RG-014				
TOR_RG-015				
TOR_RG-016				
TOR_RG-017				
TOR_RG-018				
TOR_RG-019				
TOR_RG-020				
TOR_RG-021				
TOR_RG-022				
TOR_RG-023				
TOR_RG-024	ND	ND	ND	ND
TOR_RG-025				
TOR_RG-028				
TOR_RG-030	ND	ND	ND	ND
TOR_RG-031				
TOR_RG-033				
TOR_RG-034				
TOR_RG-036				
TOR_RG-037				
TOR_RG-038				
TOR_RG-039				
TOR_RG-040				
TOR_RG-041				
TOR_RG-042				
TOR_RG-044				
TOR_RG-045				
TOR_RG-046	ND	ND	ND	ND

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
TOR_RG-047				
TOR_RG-048				
TOR_RG-049				
TOR_RG-051				
TOR_RG-052				
TOR_RG-054	ND	ND	ND	ND
TOR_RG-056				
TOR_RG-057				
TOR_RG-058				
TOR_RG-059		T	T	T
TOR_RG-060				
TOR_RG-061				
TOR_RG-062				
R-YR-AU-01				
R-YR-AU-02				
R-YR-AU-06				
R-YR-AU-07				
R-YR-AU-09				
R-YR-KI-03				
R-YR-KI-07				
R-YR-KI-08				
R-YR-MA-01				
R-YR-MA-03				
R-YR-MA-19				
R-YR-MA-20				
R-YR-NE-07				
R-YR-RH-01				
R-YR-RH-10				

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
R-YR-RH-15				
R-YR-VA-01				
R-YR-VA-02				
R-YR-VA-03				
R-YR-VA-04				
R-YR-VA-09				
R-YR-VA-10				
R-YR-VA-11				
R-YR-VA-13				
R-YR-VA-16				
R-YR-VA-22				
R-YR-VA-23				
R-YR-VA-24				
R-YR-VA-26				
R-YR-VA-27				
R-YR-VA-28				
R-YR-WS-05				
R-YR-WS-06				
R-MUN-MA-05				
R-MUN-MA-07				
R-MUN-MA-08				
R-MUN-MA-09				
R-MUN-MA-11				
R-MUN-MA-12				
R-MUN-MA-13				
R-MUN-MA-14				
R-MUN-MA-15				
R-MUN-MA-16				

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
R-MUN-MA-18	Z		Z	
R-MUN-MA-21				
R-MUN-MA-22				

Appendix B - Gauge Statistical Criteria Exclusion Table

Reason	Explanation
Minimum Storm Total Threshold (MSTT)	The radar or gauge cumulative sum during the event or sub-event period was less than MSTT
Outlier Based on Mean Field Bias (OMFB)	The RG pair bias (G/R) was greater than three standard deviations from the mean bias (e.g. G>>R)
Outlier Based on Average Difference (OAD)	The RG pair average difference ((G-R)/G)) was greater than three standard deviations from the mean average difference (e.g. G<<R)

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY002		MSTT	MSTT	MSTT	MSTT
HY003			MSTT		
HY004			MSTT	MSTT	
HY008			MSTT		
HY009			MSTT	MSTT	
HY011		MSTT		MSTT	MSTT
HY016			MSTT		
HY021		MSTT	MSTT	MSTT	OAD
HY027		MSTT	MSTT		
HY030		MSTT	MSTT	MSTT	MSTT
HY031				MSTT	MSTT
HY033		MSTT	MSTT		MSTT
HY036		MSTT			MSTT
HY037		MSTT	MSTT	MSTT	MSTT
HY038		MSTT	MSTT	MSTT	MSTT
HY039		MSTT	MSTT	MSTT	MSTT
HY041		MSTT	MSTT		MSTT
HY043				MSTT	MSTT
HY044			MSTT		MSTT
HY046		MSTT	MSTT		
HY050			MSTT		
HY055		MSTT	MSTT	MSTT	MSTT
HY060		MSTT	MSTT	MSTT	MSTT
HY061		MSTT	MSTT	MSTT	MSTT
HY063		MSTT		MSTT	MSTT
HY067		MSTT	MSTT		
HY069	MSTT	MSTT		MSTT	

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY070		MSTT	MSTT	MSTT	MSTT
HY083	MSTT	MSTT	MSTT	MSTT	MSTT
HY086			MSTT		
HY087			MSTT		
HY088		MSTT	MSTT		
HY094			MSTT		MSTT
HY096		MSTT	MSTT	MSTT	MSTT
HY099			MSTT		
HY102			MSTT	OAD	
HY121		MSTT	MSTT	MSTT	MSTT
HY122				MSTT	MSTT
HY124		MSTT		MSTT	MSTT
HY130		MSTT	MSTT		
BOLTON SEWAGE PUMPING		MSTT	MSTT	MSTT	MSTT
CALEDON EAST RG		MSTT	MSTT		MSTT
Copper Road RG		MSTT	MSTT		
GE Booth			MSTT		
RG 16			MSTT		
RG 20		MSTT	MSTT		
RG 22		MSTT	MSTT		
RG 23			MSTT		
RG 24			MSTT		
RG 25		MSTT	MSTT		
RG 26		MSTT	MSTT		

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
RG 27		MSTT	MSTT		MSTT
RG 29		MSTT	MSTT		MSTT
RG 31		MSTT	MSTT		
RG 32		MSTT	MSTT		
RG 34		MSTT	MSTT		
RG 36		MSTT	MSTT	MSTT	MSTT
RG 39		MSTT	MSTT	MSTT	
RG 42		MSTT	MSTT	MSTT	MSTT
RG 45		MSTT	MSTT	MSTT	MSTT
RG 46		MSTT	MSTT	MSTT	MSTT
RG 59		MSTT	MSTT		MSTT
RG 60			MSTT		
RG 62		MSTT	MSTT		
St. Hilary			MSTT		
Victoria Yard		MSTT	MSTT	MSTT	
STN 01			MSTT		
STN 03			MSTT		
STN 04			MSTT		
STN 05			MSTT		
STN 06			MSTT		
STN 07			MSTT		
STN 08			MSTT		
STN 12			MSTT		
STN 13		MSTT	MSTT		
STN 14	OMFB		MSTT		
TOR_RG-001			MSTT		
TOR_RG-002			MSTT		

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-003			MSTT		
TOR_RG-004			MSTT		
TOR_RG-006			MSTT		
TOR_RG-007			MSTT		
TOR_RG-012		MSTT	MSTT		
TOR_RG-013			MSTT		
TOR_RG-014			MSTT		
TOR_RG-015			MSTT		
TOR_RG-016			MSTT		
TOR_RG-017			MSTT		
TOR_RG-018			MSTT		
TOR_RG-019		MSTT			
TOR_RG-020		MSTT	MSTT		
TOR_RG-021		MSTT	MSTT		
TOR_RG-022			MSTT		MSTT
TOR_RG-023			MSTT		MSTT
TOR_RG-024			MSTT		
TOR_RG-025			MSTT		
TOR_RG-028		MSTT			MSTT
TOR_RG-030					
TOR_RG-031			MSTT		MSTT
TOR_RG-033			MSTT		MSTT
TOR_RG-034			MSTT		MSTT
TOR_RG-036	OMFB		MSTT		
TOR_RG-037			MSTT		
TOR_RG-038			MSTT		
TOR_RG-039			MSTT		

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-040			MSTT		
TOR_RG-041			MSTT		
TOR_RG-042			MSTT		MSTT
TOR_RG-044			MSTT		
TOR_RG-045			MSTT		
TOR_RG-046		MSTT	MSTT		
TOR_RG-047			MSTT		
TOR_RG-048			MSTT		
TOR_RG-049			MSTT		
TOR_RG-051		MSTT			MSTT
TOR_RG-052			MSTT		
TOR_RG-054			MSTT		
TOR_RG-056		MSTT	MSTT		
TOR_RG-057	OMFB		MSTT		
TOR_RG-058			MSTT		MSTT
TOR_RG-059			MSTT		
TOR_RG-060			MSTT		
TOR_RG-061			MSTT		MSTT
TOR_RG-062			MSTT		
R-YR-AU-01	MSTT	MSTT		MSTT	MSTT
R-YR-AU-02	MSTT	MSTT		MSTT	MSTT
R-YR-AU-06	MSTT	MSTT		MSTT	MSTT
R-YR-AU-07	MSTT	MSTT		MSTT	MSTT
R-YR-AU-09	MSTT	MSTT		MSTT	MSTT
R-YR-KI-03		MSTT	MSTT	MSTT	MSTT
R-YR-KI-07	MSTT	MSTT		MSTT	MSTT
R-YR-KI-08	MSTT	MSTT		MSTT	MSTT

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-YR-MA-01		MSTT			MSTT
R-YR-MA-03					MSTT
R-YR-MA-19		MSTT			MSTT
R-YR-MA-20		MSTT		MSTT	MSTT
R-YR-NE-07	MSTT	MSTT		MSTT	MSTT
R-YR-RH-01		MSTT	MSTT	MSTT	MSTT
R-YR-RH-10		MSTT	MSTT	MSTT	MSTT
R-YR-RH-15		MSTT		MSTT	
R-YR-VA-01		MSTT	MSTT		
R-YR-VA-02		MSTT	MSTT		
R-YR-VA-03		MSTT	MSTT		
R-YR-VA-04		MSTT	MSTT	MSTT	MSTT
R-YR-VA-09		MSTT	MSTT		
R-YR-VA-10		MSTT	MSTT		
R-YR-VA-11		MSTT		MSTT	MSTT
R-YR-VA-13		MSTT	MSTT	MSTT	
R-YR-VA-16		MSTT	MSTT	MSTT	
R-YR-VA-22		MSTT	MSTT		MSTT
R-YR-VA-23		MSTT	MSTT		
R-YR-VA-24		MSTT	MSTT		MSTT
R-YR-VA-26		MSTT	MSTT	MSTT	
R-YR-VA-27		MSTT	MSTT		MSTT
R-YR-VA-28		MSTT	MSTT	MSTT	MSTT
R-YR-WS-05		MSTT	MSTT	MSTT	MSTT
R-YR-WS-06	MSTT	MSTT		MSTT	MSTT
R-MUN-MA-05		MSTT	MSTT		MSTT
R-MUN-MA-07		MSTT	MSTT		MSTT

Event #	E1a	E1b	E1c	E1d	E1e
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-07-16**
Start Time (EST)	2024-07-15 07:05	2024-07-15 14:05	2024-07-16 00:05	2024-07-16 07:05	2024-07-16 08:50
End Time (EST)	2024-07-15 14:00	2024-07-16 00:00	2024-07-16 07:00	2024-07-16 08:45	2024-07-16 09:15
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-MUN-MA-08		MSTT			MSTT
R-MUN-MA-09		MSTT	MSTT	MSTT	MSTT
R-MUN-MA-11			MSTT		MSTT
R-MUN-MA-12				MSTT	MSTT
R-MUN-MA-13			MSTT		MSTT
R-MUN-MA-14			MSTT		MSTT
R-MUN-MA-15			MSTT	MSTT	MSTT
R-MUN-MA-16		MSTT	MSTT	MSTT	MSTT
R-MUN-MA-18		MSTT	MSTT	MSTT	MSTT
R-MUN-MA-21					MSTT
R-MUN-MA-22		MSTT		MSTT	MSTT

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY002			MSTT	MSTT	MSTT
HY003			MSTT	MSTT	MSTT
HY004		OMFB	MSTT	MSTT	MSTT
HY008			MSTT	MSTT	MSTT
HY009			MSTT	MSTT	MSTT
HY011	MSTT		MSTT	MSTT	MSTT
HY016			MSTT	MSTT	MSTT
HY021			MSTT	MSTT	
HY027			MSTT		
HY030				MSTT	MSTT
HY031	MSTT		MSTT	MSTT	MSTT
HY033			MSTT	MSTT	
HY036			MSTT	MSTT	
HY037			MSTT	MSTT	
HY038			MSTT		
HY039			MSTT		
HY041			MSTT		
HY043			MSTT	MSTT	MSTT
HY044			MSTT	MSTT	MSTT
HY046			MSTT		
HY050			MSTT	MSTT	MSTT
HY055			MSTT		
HY060	MSTT		MSTT	MSTT	MSTT
HY061				MSTT	
HY063	MSTT			MSTT	MSTT
HY067			MSTT		
HY069			MSTT		

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY070			MSTT	MSTT	MSTT
HY083			MSTT	MSTT	MSTT
HY086			MSTT	MSTT	MSTT
HY087			MSTT	MSTT	
HY088			MSTT		
HY094			MSTT	MSTT	
HY096			MSTT	MSTT	
HY099			MSTT	MSTT	
HY102			MSTT	MSTT	MSTT
HY121	MSTT		MSTT	MSTT	MSTT
HY122			MSTT	MSTT	MSTT
HY124	MSTT			MSTT	MSTT
HY130			MSTT		
BOLTON SEWAGE PUMPING			MSTT	MSTT	
CALEDON EAST RG			MSTT	MSTT	MSTT
Copper Road RG			MSTT		
GE Booth			MSTT	MSTT	MSTT
RG 16			MSTT		
RG 20			MSTT		
RG 22			MSTT		
RG 23			MSTT		
RG 24			MSTT		
RG 25			MSTT		
RG 26			MSTT		

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
RG 27			MSTT		
RG 29			MSTT	MSTT	
RG 31			MSTT		
RG 32			MSTT		
RG 34			MSTT		
RG 36			MSTT	MSTT	
RG 39				MSTT	MSTT
RG 42				MSTT	MSTT
RG 45			MSTT		
RG 46			MSTT	MSTT	
RG 59			MSTT		
RG 60			MSTT		
RG 62			MSTT	MSTT	
St. Hilary			MSTT		
Victoria Yard				MSTT	
STN 01			MSTT	MSTT	MSTT
STN 03			MSTT	MSTT	
STN 04			MSTT		
STN 05			MSTT	MSTT	
STN 06			MSTT	MSTT	
STN 07			MSTT		
STN 08			MSTT		
STN 12			MSTT		
STN 13			MSTT		
STN 14			MSTT	MSTT	MSTT
TOR_RG-001				MSTT	
TOR_RG-002			MSTT	MSTT	MSTT

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-003			MSTT	MSTT	MSTT
TOR_RG-004			MSTT	MSTT	MSTT
TOR_RG-006			MSTT	MSTT	MSTT
TOR_RG-007			MSTT	MSTT	MSTT
TOR_RG-012			MSTT		
TOR_RG-013			MSTT	MSTT	
TOR_RG-014			MSTT	MSTT	
TOR_RG-015				MSTT	
TOR_RG-016			MSTT	MSTT	MSTT
TOR_RG-017			MSTT	MSTT	
TOR_RG-018			MSTT	MSTT	MSTT
TOR_RG-019			MSTT		
TOR_RG-020			MSTT	MSTT	
TOR_RG-021			MSTT		
TOR_RG-022			MSTT	MSTT	
TOR_RG-023			MSTT	MSTT	MSTT
TOR_RG-024			MSTT		
TOR_RG-025			MSTT	MSTT	
TOR_RG-028			MSTT	MSTT	
TOR_RG-030					
TOR_RG-031			MSTT	MSTT	
TOR_RG-033			MSTT	MSTT	
TOR_RG-034			MSTT	MSTT	MSTT
TOR_RG-036			MSTT	MSTT	MSTT
TOR_RG-037			MSTT	MSTT	
TOR_RG-038			MSTT	MSTT	MSTT
TOR_RG-039			MSTT	MSTT	

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-040			MSTT	MSTT	MSTT
TOR_RG-041			MSTT	MSTT	MSTT
TOR_RG-042			MSTT	MSTT	MSTT
TOR_RG-044			MSTT	MSTT	
TOR_RG-045				MSTT	
TOR_RG-046			MSTT		
TOR_RG-047				MSTT	
TOR_RG-048			MSTT	MSTT	
TOR_RG-049				MSTT	
TOR_RG-051			MSTT	MSTT	
TOR_RG-052			MSTT	MSTT	
TOR_RG-054			MSTT		
TOR_RG-056			MSTT		
TOR_RG-057			MSTT	MSTT	MSTT
TOR_RG-058			MSTT	MSTT	
TOR_RG-059			MSTT	MSTT	
TOR_RG-060			MSTT	MSTT	MSTT
TOR_RG-061			MSTT	MSTT	MSTT
TOR_RG-062			MSTT	MSTT	
R-YR-AU-01			MSTT		MSTT
R-YR-AU-02			MSTT		MSTT
R-YR-AU-06			MSTT		MSTT
R-YR-AU-07			MSTT	MSTT	MSTT
R-YR-AU-09			MSTT	MSTT	MSTT
R-YR-KI-03			MSTT		
R-YR-KI-07			MSTT	MSTT	
R-YR-KI-08			MSTT		MSTT

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-YR-MA-01			MSTT	MSTT	
R-YR-MA-03			MSTT	MSTT	
R-YR-MA-19			MSTT	MSTT	MSTT
R-YR-MA-20			MSTT	MSTT	MSTT
R-YR-NE-07			MSTT	MSTT	MSTT
R-YR-RH-01			MSTT	MSTT	
R-YR-RH-10			MSTT	MSTT	
R-YR-RH-15			MSTT		MSTT
R-YR-VA-01			MSTT		
R-YR-VA-02			MSTT		
R-YR-VA-03			MSTT		
R-YR-VA-04			MSTT		
R-YR-VA-09			MSTT		
R-YR-VA-10			MSTT		
R-YR-VA-11			MSTT		
R-YR-VA-13			MSTT		
R-YR-VA-16			MSTT		
R-YR-VA-22			MSTT	MSTT	
R-YR-VA-23			MSTT		
R-YR-VA-24			MSTT	MSTT	
R-YR-VA-26			MSTT	OAD	
R-YR-VA-27			MSTT		
R-YR-VA-28			MSTT		
R-YR-WS-05	MSTT			MSTT	MSTT
R-YR-WS-06	MSTT		MSTT	MSTT	MSTT
R-MUN-MA-05			MSTT	MSTT	
R-MUN-MA-07			MSTT	MSTT	

Event #	E1f	E1g	E1h	E2a	E2b
Event Date	**2024-07-16**	**2024-07-16**	**2024-07-16**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-07-16 09:20	2024-07-16 10:05	2024-07-16 14:05	2024-08-17 04:05	2024-08-17 09:35
End Time (EST)	2024-07-16 10:00	2024-07-16 14:00	2024-07-17 03:00	2024-08-17 09:30	2024-08-17 12:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-MUN-MA-08			MSTT	MSTT	
R-MUN-MA-09			MSTT	MSTT	MSTT
R-MUN-MA-11			MSTT	MSTT	
R-MUN-MA-12			MSTT	MSTT	MSTT
R-MUN-MA-13			MSTT	MSTT	MSTT
R-MUN-MA-14			MSTT	MSTT	OAD
R-MUN-MA-15			MSTT	MSTT	MSTT
R-MUN-MA-16			MSTT	MSTT	MSTT
R-MUN-MA-18			MSTT	MSTT	
R-MUN-MA-21			MSTT	MSTT	MSTT
R-MUN-MA-22			MSTT	MSTT	MSTT

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY002	MSTT	MSTT			MSTT
HY003		MSTT		MSTT	MSTT
HY004			MSTT	OAD	
HY008	OAD	MSTT		MSTT	MSTT
HY009			MSTT		MSTT
HY011		MSTT		MSTT	MSTT
HY016		MSTT	MSTT	MSTT	MSTT
HY021				MSTT	MSTT
HY027					
HY030	MSTT			MSTT	MSTT
HY031	MSTT	MSTT		OMFB	
HY033	MSTT	OMFB	MSTT	MSTT	MSTT
HY036					MSTT
HY037	MSTT	MSTT			MSTT
HY038	MSTT				MSTT
HY039	MSTT			MSTT	MSTT
HY041	MSTT	MSTT			MSTT
HY043					
HY044					MSTT
HY046				MSTT	MSTT
HY050		MSTT	MSTT		MSTT
HY055	MSTT			MSTT	MSTT
HY060					MSTT
HY061	MSTT				MSTT
HY063					
HY067				MSTT	MSTT
HY069		MSTT		MSTT	MSTT

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY070				MSTT	MSTT
HY083		MSTT		MSTT	MSTT
HY086		MSTT	OAD	MSTT	MSTT
HY087				MSTT	MSTT
HY088				MSTT	MSTT
HY094					MSTT
HY096	MSTT				MSTT
HY099				MSTT	MSTT
HY102		MSTT	MSTT		MSTT
HY121			MSTT	MSTT	MSTT
HY122			MSTT		MSTT
HY124			MSTT		MSTT
HY130				MSTT	MSTT
BOLTON SEWAGE PUMPING	MSTT	MSTT			MSTT
CALEDON EAST RG	MSTT				MSTT
Copper Road RG				MSTT	MSTT
GE Booth		MSTT	OAD	MSTT	MSTT
RG 16				MSTT	MSTT
RG 20				MSTT	MSTT
RG 22				MSTT	MSTT
RG 23		MSTT		MSTT	MSTT
RG 24				MSTT	MSTT
RG 25				MSTT	MSTT
RG 26				MSTT	MSTT

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
RG 27				MSTT	MSTT
RG 29	MSTT	MSTT		MSTT	MSTT
RG 31				MSTT	MSTT
RG 32				MSTT	MSTT
RG 34				MSTT	MSTT
RG 36	MSTT	MSTT			MSTT
RG 39	MSTT		OMFB		MSTT
RG 42	MSTT		MSTT	MSTT	MSTT
RG 45	MSTT	MSTT			MSTT
RG 46	MSTT	MSTT			MSTT
RG 59	MSTT	MSTT			MSTT
RG 60				MSTT	MSTT
RG 62	MSTT	MSTT		MSTT	MSTT
St. Hilary				MSTT	MSTT
Victoria Yard	MSTT				MSTT
STN 01		MSTT		MSTT	MSTT
STN 03				MSTT	MSTT
STN 04				MSTT	MSTT
STN 05				MSTT	MSTT
STN 06				MSTT	MSTT
STN 07		MSTT		MSTT	MSTT
STN 08		OAD		MSTT	MSTT
STN 12	MSTT	OAD		MSTT	MSTT
STN 13				MSTT	MSTT
STN 14		MSTT	MSTT	MSTT	MSTT
TOR_RG-001		MSTT		MSTT	MSTT
TOR_RG-002		MSTT		MSTT	MSTT

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-003		MSTT	MSTT	MSTT	MSTT
TOR_RG-004		MSTT		MSTT	MSTT
TOR_RG-006	MSTT	MSTT	MSTT	MSTT	MSTT
TOR_RG-007		MSTT	MSTT	MSTT	MSTT
TOR_RG-012				MSTT	MSTT
TOR_RG-013				MSTT	MSTT
TOR_RG-014				MSTT	MSTT
TOR_RG-015					MSTT
TOR_RG-016		MSTT		MSTT	MSTT
TOR_RG-017					MSTT
TOR_RG-018		MSTT		MSTT	MSTT
TOR_RG-019				MSTT	MSTT
TOR_RG-020				MSTT	MSTT
TOR_RG-021				MSTT	MSTT
TOR_RG-022					MSTT
TOR_RG-023		MSTT		MSTT	MSTT
TOR_RG-024					
TOR_RG-025				MSTT	MSTT
TOR_RG-028					MSTT
TOR_RG-030					
TOR_RG-031		OAD			MSTT
TOR_RG-033		MSTT			
TOR_RG-034		MSTT			MSTT
TOR_RG-036	MSTT	MSTT	MSTT	MSTT	MSTT
TOR_RG-037				MSTT	MSTT
TOR_RG-038		MSTT	MSTT		MSTT
TOR_RG-039				MSTT	MSTT

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-040	MSTT	MSTT	MSTT	MSTT	MSTT
TOR_RG-041		MSTT	MSTT		MSTT
TOR_RG-042		MSTT	MSTT		
TOR_RG-044					MSTT
TOR_RG-045				MSTT	MSTT
TOR_RG-046					
TOR_RG-047					MSTT
TOR_RG-048				MSTT	MSTT
TOR_RG-049					MSTT
TOR_RG-051					MSTT
TOR_RG-052				MSTT	MSTT
TOR_RG-054					
TOR_RG-056				MSTT	MSTT
TOR_RG-057	MSTT	MSTT	MSTT	MSTT	MSTT
TOR_RG-058					MSTT
TOR_RG-059					
TOR_RG-060		MSTT			MSTT
TOR_RG-061	MSTT	MSTT	MSTT		MSTT
TOR_RG-062					MSTT
R-YR-AU-01	MSTT	MSTT		MSTT	
R-YR-AU-02	MSTT	MSTT		MSTT	
R-YR-AU-06	MSTT	MSTT			
R-YR-AU-07	MSTT	MSTT		MSTT	
R-YR-AU-09		MSTT			
R-YR-KI-03	MSTT				MSTT
R-YR-KI-07	MSTT	MSTT		MSTT	MSTT
R-YR-KI-08	MSTT	MSTT			

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-YR-MA-01					MSTT
R-YR-MA-03		OAD			MSTT
R-YR-MA-19					MSTT
R-YR-MA-20					
R-YR-NE-07	MSTT	MSTT		MSTT	
R-YR-RH-01				MSTT	MSTT
R-YR-RH-10				MSTT	MSTT
R-YR-RH-15		MSTT		MSTT	MSTT
R-YR-VA-01				MSTT	MSTT
R-YR-VA-02				MSTT	MSTT
R-YR-VA-03	MSTT			MSTT	MSTT
R-YR-VA-04	MSTT			MSTT	MSTT
R-YR-VA-09				MSTT	MSTT
R-YR-VA-10				MSTT	
R-YR-VA-11		MSTT		MSTT	MSTT
R-YR-VA-13				MSTT	MSTT
R-YR-VA-16		MSTT		MSTT	MSTT
R-YR-VA-22				MSTT	MSTT
R-YR-VA-23				MSTT	MSTT
R-YR-VA-24				MSTT	MSTT
R-YR-VA-26				MSTT	MSTT
R-YR-VA-27	MSTT			MSTT	MSTT
R-YR-VA-28		MSTT		MSTT	MSTT
R-YR-WS-05					MSTT
R-YR-WS-06	MSTT	MSTT		MSTT	MSTT
R-MUN-MA-05					MSTT
R-MUN-MA-07				MSTT	MSTT

Event #	E2c	E2d	E2e	E2f	E2g
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-17 12:35	2024-08-17 13:35	2024-08-17 14:50	2024-08-17 17:05	2024-08-17 23:05
End Time (EST)	2024-08-17 13:30	2024-08-17 14:45	2024-08-17 17:00	2024-08-17 23:00	2024-08-18 09:30
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-MUN-MA-08					MSTT
R-MUN-MA-09				MSTT	MSTT
R-MUN-MA-11					MSTT
R-MUN-MA-12					MSTT
R-MUN-MA-13					MSTT
R-MUN-MA-14					MSTT
R-MUN-MA-15		MSTT			
R-MUN-MA-16					MSTT
R-MUN-MA-18					MSTT
R-MUN-MA-21		MSTT			
R-MUN-MA-22				MSTT	MSTT

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY002		MSTT		MSTT
HY003	MSTT	MSTT		MSTT
HY004	MSTT	MSTT	MSTT	MSTT
HY008	MSTT			MSTT
HY009	MSTT	MSTT	MSTT	MSTT
HY011		MSTT		MSTT
HY016	MSTT	MSTT	MSTT	MSTT
HY021				
HY027				
HY030	MSTT		MSTT	MSTT
HY031			MSTT	MSTT
HY033				MSTT
HY036	MSTT	MSTT		MSTT
HY037				MSTT
HY038		MSTT		MSTT
HY039				MSTT
HY041	MSTT			MSTT
HY043	MSTT	MSTT		MSTT
HY044	MSTT	MSTT		MSTT
HY046				MSTT
HY050	MSTT	MSTT		MSTT
HY055		MSTT		MSTT
HY060				MSTT
HY061			MSTT	MSTT
HY063				MSTT
HY067	MSTT			MSTT
HY069		MSTT		

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
HY070		MSTT		MSTT
HY083		MSTT		
HY086	MSTT	MSTT	MSTT	MSTT
HY087	MSTT			MSTT
HY088	MSTT			MSTT
HY094	MSTT	OAD	MSTT	MSTT
HY096				MSTT
HY099	MSTT			MSTT
HY102	MSTT	MSTT	MSTT	MSTT
HY121	MSTT	MSTT	MSTT	MSTT
HY122	MSTT	MSTT	MSTT	MSTT
HY124	MSTT	MSTT	MSTT	MSTT
HY130	MSTT			MSTT
BOLTON SEWAGE PUMPING				MSTT
CALEDON EAST RG			OMFB	MSTT
Copper Road RG				MSTT
GE Booth	MSTT	MSTT	MSTT	MSTT
RG 16	MSTT			MSTT
RG 20				MSTT
RG 22				MSTT
RG 23	MSTT		MSTT	MSTT
RG 24	MSTT		MSTT	MSTT
RG 25		MSTT		MSTT
RG 26			MSTT	MSTT
RG 27	MSTT		MSTT	MSTT
RG 29	MSTT			MSTT

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
RG 31			MSTT	MSTT
RG 32			MSTT	MSTT
RG 34	MSTT			MSTT
RG 36				MSTT
RG 39			MSTT	MSTT
RG 42			MSTT	MSTT
RG 45				MSTT
RG 46	MSTT			MSTT
RG 59				MSTT
RG 60	MSTT	OAD	MSTT	MSTT
RG 62			MSTT	MSTT
St. Hilary	MSTT		MSTT	MSTT
Victoria Yard			MSTT	MSTT
STN 01	MSTT	MSTT	MSTT	MSTT
STN 03	MSTT	MSTT	MSTT	MSTT
STN 04	MSTT			MSTT
STN 05	MSTT			MSTT
STN 06	MSTT		MSTT	MSTT
STN 07	MSTT		MSTT	MSTT
STN 08				MSTT
STN 12	MSTT		MSTT	MSTT
STN 13	MSTT			MSTT
STN 14	MSTT	MSTT	MSTT	MSTT
TOR_RG-001	MSTT	MSTT		MSTT
TOR_RG-002	MSTT	MSTT		MSTT
TOR_RG-003	MSTT	MSTT	MSTT	MSTT
TOR_RG-004	MSTT	MSTT	MSTT	MSTT

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-006	MSTT	MSTT	MSTT	MSTT
TOR_RG-007	MSTT	MSTT	MSTT	MSTT
TOR_RG-012	MSTT			MSTT
TOR_RG-013	MSTT			MSTT
TOR_RG-014	MSTT			MSTT
TOR_RG-015	MSTT	MSTT		MSTT
TOR_RG-016	MSTT	MSTT	MSTT	MSTT
TOR_RG-017	MSTT	MSTT		MSTT
TOR_RG-018	MSTT			MSTT
TOR_RG-019	MSTT	MSTT		MSTT
TOR_RG-020	MSTT	MSTT		MSTT
TOR_RG-021	MSTT			MSTT
TOR_RG-022	MSTT			MSTT
TOR_RG-023	MSTT	MSTT	MSTT	MSTT
TOR_RG-024				
TOR_RG-025	MSTT	MSTT		MSTT
TOR_RG-028	MSTT	MSTT		MSTT
TOR_RG-030				
TOR_RG-031	MSTT	MSTT		MSTT
TOR_RG-033	MSTT	MSTT		MSTT
TOR_RG-034	MSTT	MSTT		MSTT
TOR_RG-036	MSTT	MSTT	MSTT	MSTT
TOR_RG-037	MSTT		MSTT	MSTT
TOR_RG-038	MSTT	MSTT	MSTT	MSTT
TOR_RG-039	MSTT	MSTT	MSTT	MSTT
TOR_RG-040	MSTT	MSTT	MSTT	MSTT
TOR_RG-041	MSTT	MSTT	MSTT	MSTT

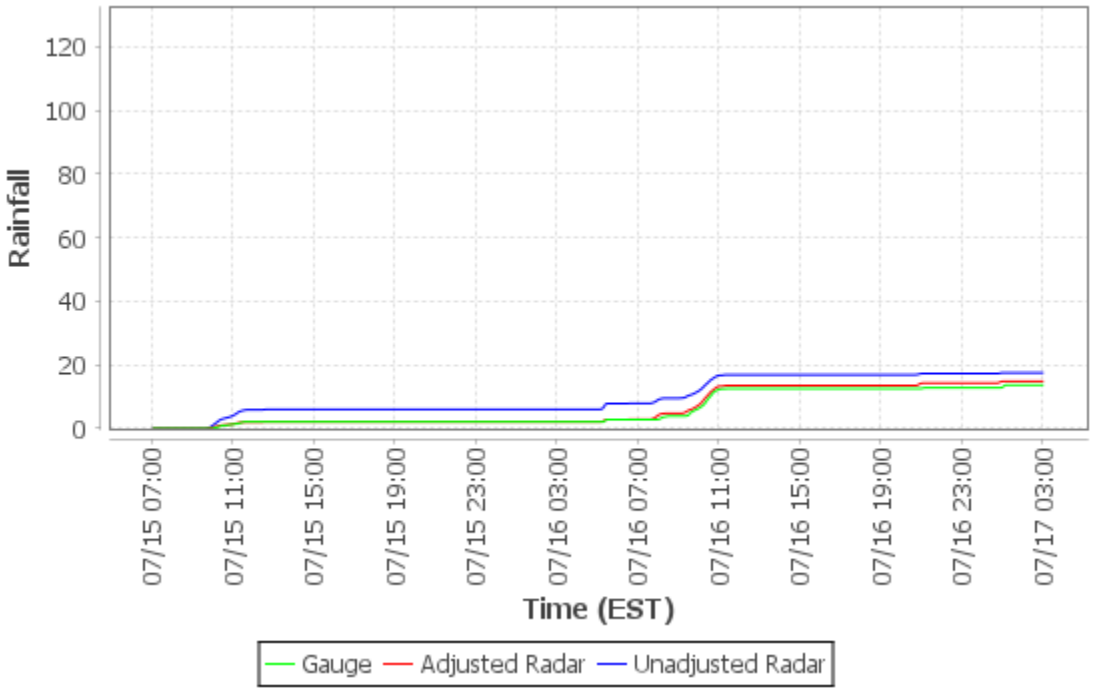
Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
TOR_RG-042	MSTT	MSTT	MSTT	MSTT
TOR_RG-044	MSTT		MSTT	MSTT
TOR_RG-045	MSTT	MSTT		MSTT
TOR_RG-046				
TOR_RG-047	MSTT	MSTT	MSTT	MSTT
TOR_RG-048	MSTT			MSTT
TOR_RG-049	MSTT	MSTT		MSTT
TOR_RG-051	MSTT	MSTT		MSTT
TOR_RG-052	MSTT			MSTT
TOR_RG-054				
TOR_RG-056	MSTT	MSTT		MSTT
TOR_RG-057	MSTT	MSTT	MSTT	MSTT
TOR_RG-058	MSTT			MSTT
TOR_RG-059	MSTT			
TOR_RG-060	MSTT	MSTT		MSTT
TOR_RG-061	MSTT	MSTT	MSTT	MSTT
TOR_RG-062	MSTT	MSTT		MSTT
R-YR-AU-01	MSTT	MSTT	OMFB	
R-YR-AU-02	MSTT	MSTT		
R-YR-AU-06	MSTT	MSTT		
R-YR-AU-07	MSTT	MSTT		MSTT
R-YR-AU-09	MSTT	MSTT		MSTT
R-YR-KI-03		MSTT		MSTT
R-YR-KI-07		MSTT		MSTT
R-YR-KI-08		MSTT		
R-YR-MA-01	MSTT	MSTT		MSTT
R-YR-MA-03	MSTT	MSTT		MSTT

Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-YR-MA-19	MSTT	MSTT		MSTT
R-YR-MA-20	MSTT	MSTT		MSTT
R-YR-NE-07	MSTT	MSTT		MSTT
R-YR-RH-01		MSTT		MSTT
R-YR-RH-10	MSTT	MSTT		MSTT
R-YR-RH-15		MSTT		
R-YR-VA-01				MSTT
R-YR-VA-02				MSTT
R-YR-VA-03		MSTT		MSTT
R-YR-VA-04				MSTT
R-YR-VA-09				MSTT
R-YR-VA-10	MSTT			MSTT
R-YR-VA-11		MSTT		
R-YR-VA-13				
R-YR-VA-16				
R-YR-VA-22	MSTT			
R-YR-VA-23				MSTT
R-YR-VA-24	MSTT			MSTT
R-YR-VA-26				
R-YR-VA-27		MSTT		MSTT
R-YR-VA-28		MSTT		MSTT
R-YR-WS-05		MSTT		MSTT
R-YR-WS-06		MSTT	OAD	MSTT
R-MUN-MA-05	MSTT	MSTT		MSTT
R-MUN-MA-07	MSTT	MSTT		MSTT
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R-MUN-MA-09		MSTT		MSTT

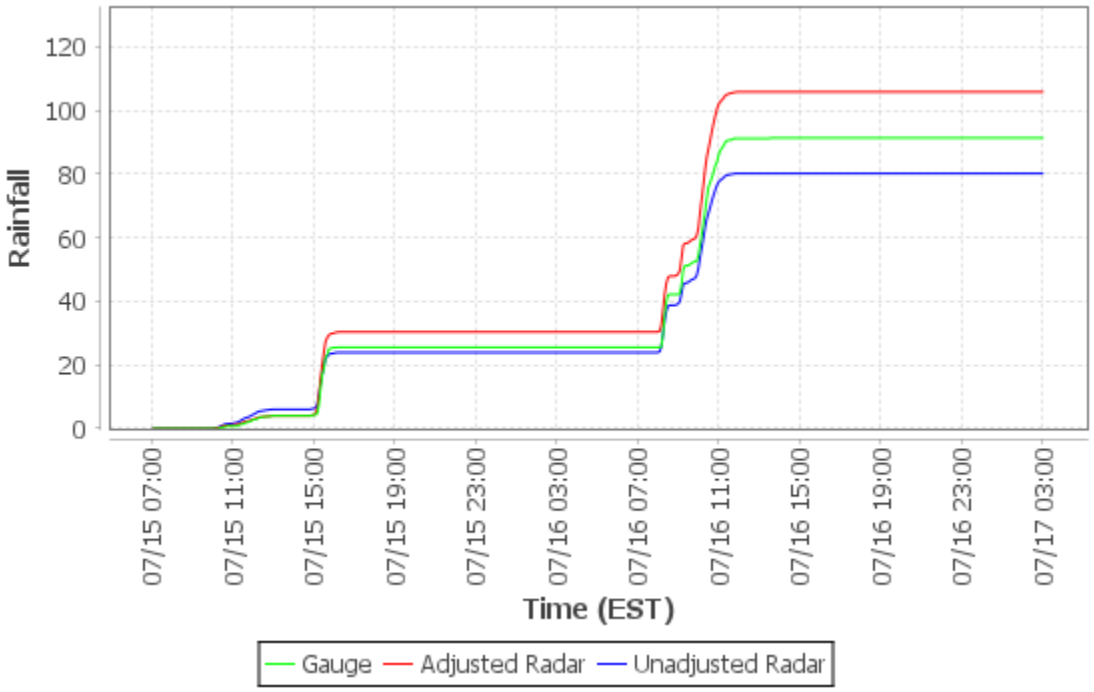
Event #	E2h	E2i	E2j	E2k
Event Date	**2024-08-17**	**2024-08-17**	**2024-08-17**	**2024-08-17**
Start Time (EST)	2024-08-18 09:35	2024-08-18 14:05	2024-08-18 16:05	2024-08-18 19:05
End Time (EST)	2024-08-18 14:00	2024-08-18 16:00	2024-08-18 19:00	2024-08-19 01:00
Source	KBUF LII	KBUF LII	KBUF LII	KBUF LII
R-MUN-MA-11	MSTT	MSTT		MSTT
R-MUN-MA-12	MSTT	MSTT		MSTT
R-MUN-MA-13	MSTT	MSTT		MSTT
R-MUN-MA-14	MSTT	MSTT		MSTT
R-MUN-MA-15	MSTT	MSTT		MSTT
R-MUN-MA-16	MSTT	MSTT		MSTT
R-MUN-MA-18		MSTT		MSTT
R-MUN-MA-21	MSTT	MSTT		MSTT
R-MUN-MA-22		MSTT		MSTT

Appendix C - Event 1 (2024-07-16) CDPs

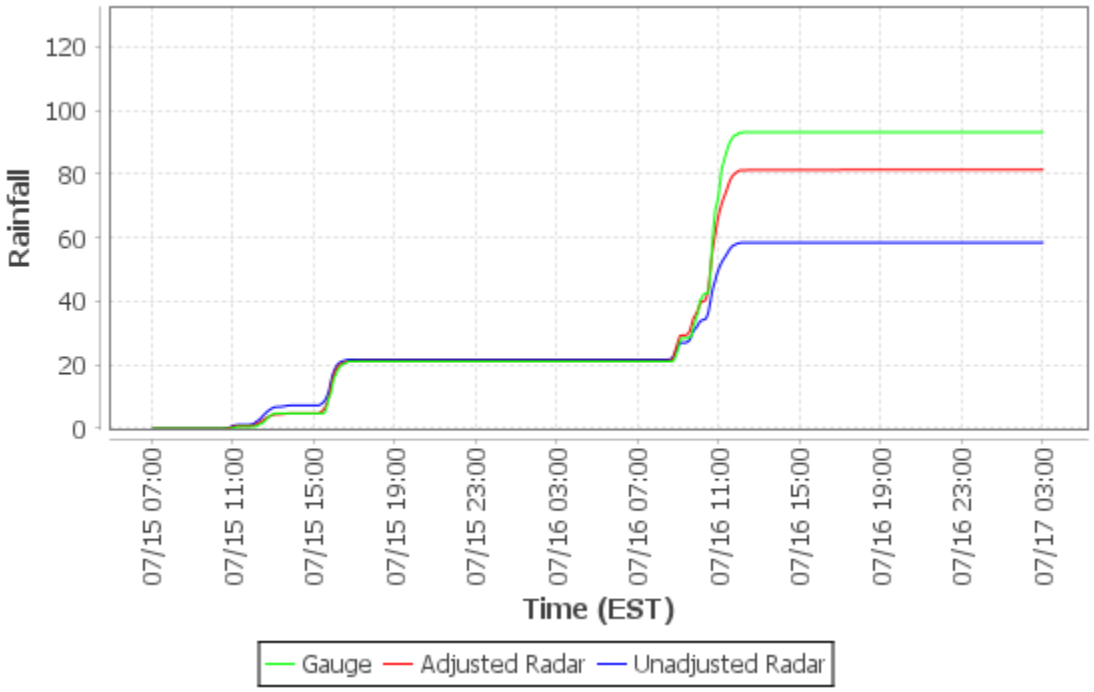
Cumulative Distribution Plot - Albion Hills (HY002)



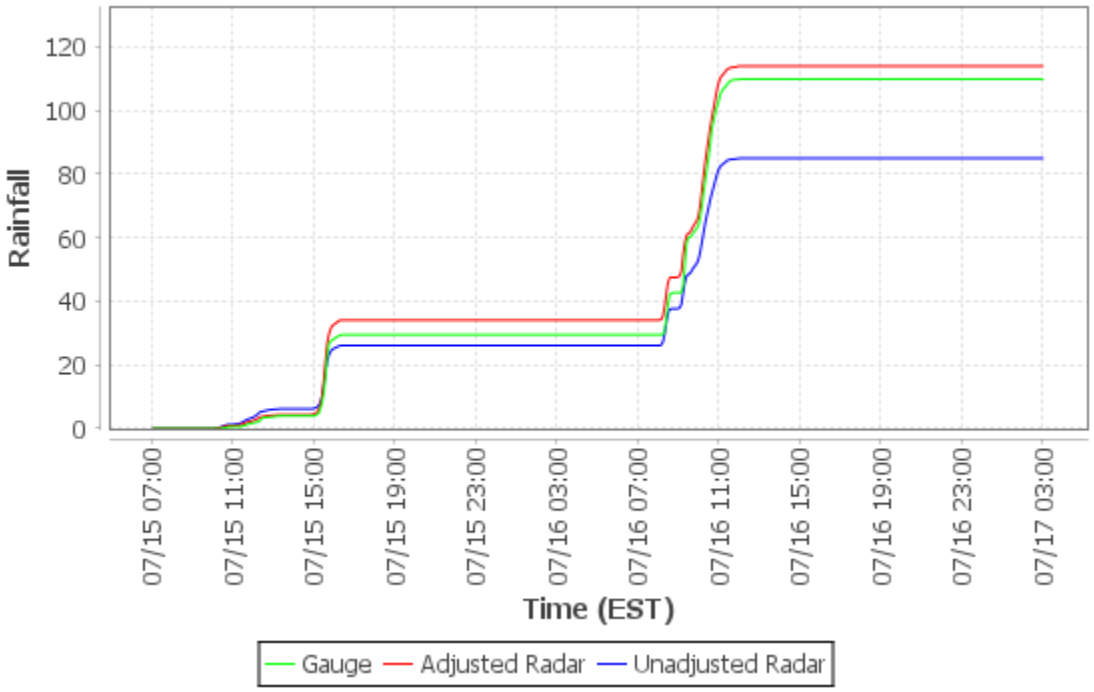
Cumulative Distribution Plot - Alex Duff Memorial Pool (HY003)



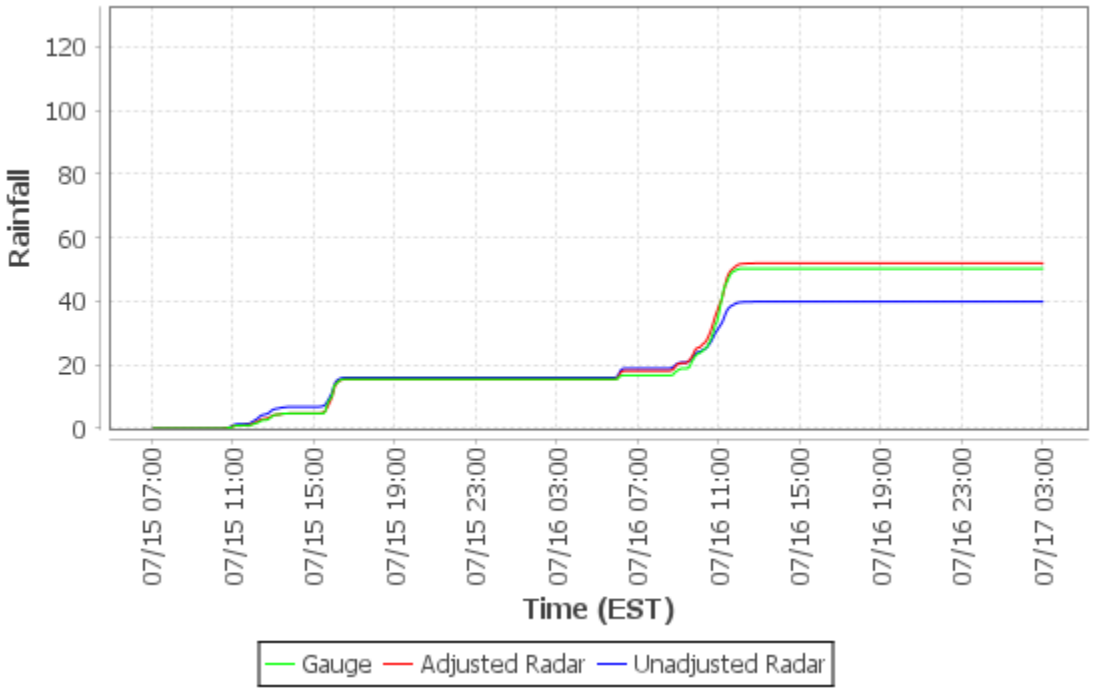
Cumulative Distribution Plot - Bayly and Church (HY004)



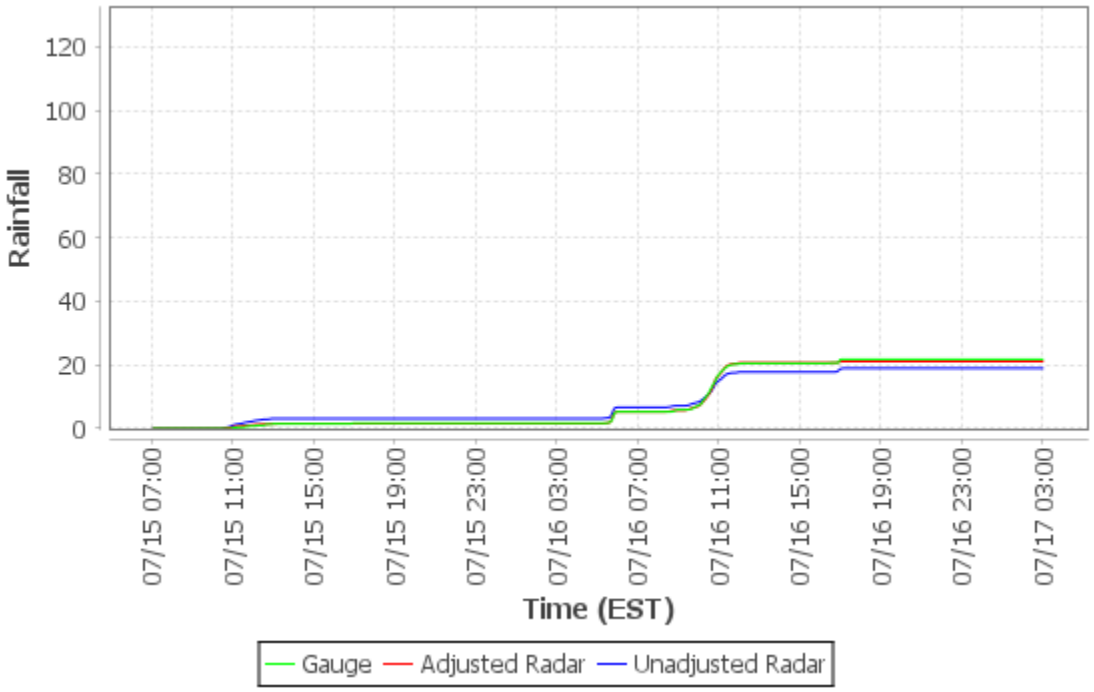
Cumulative Distribution Plot - Brickworks (HY008)



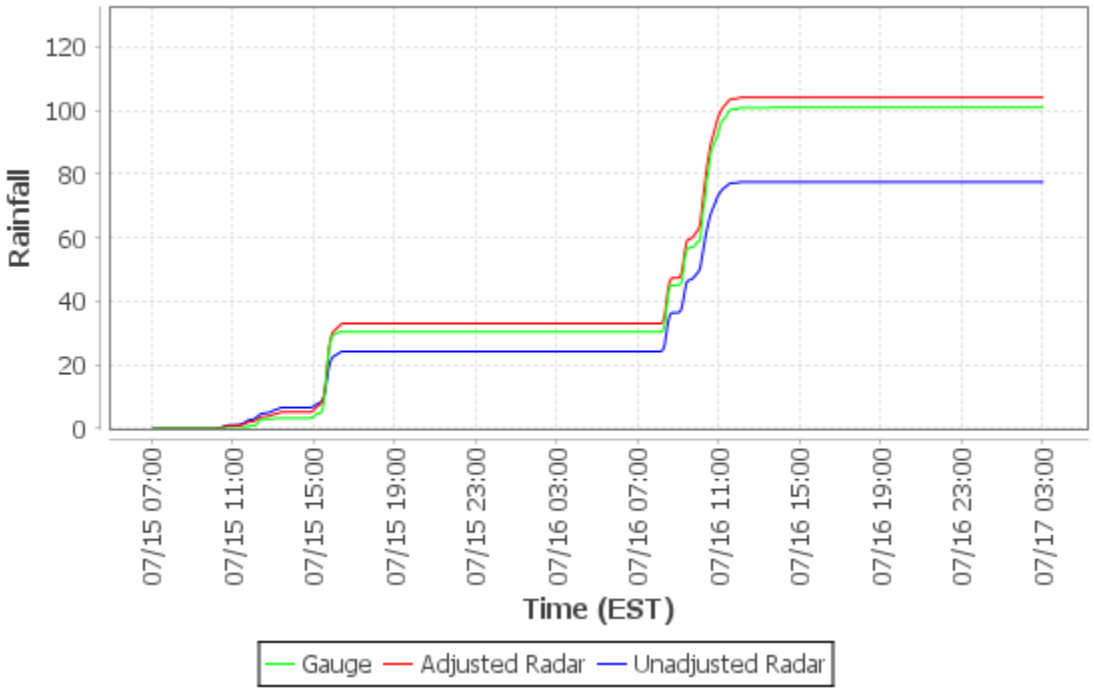
Cumulative Distribution Plot - Brock West Landfill (HY009)



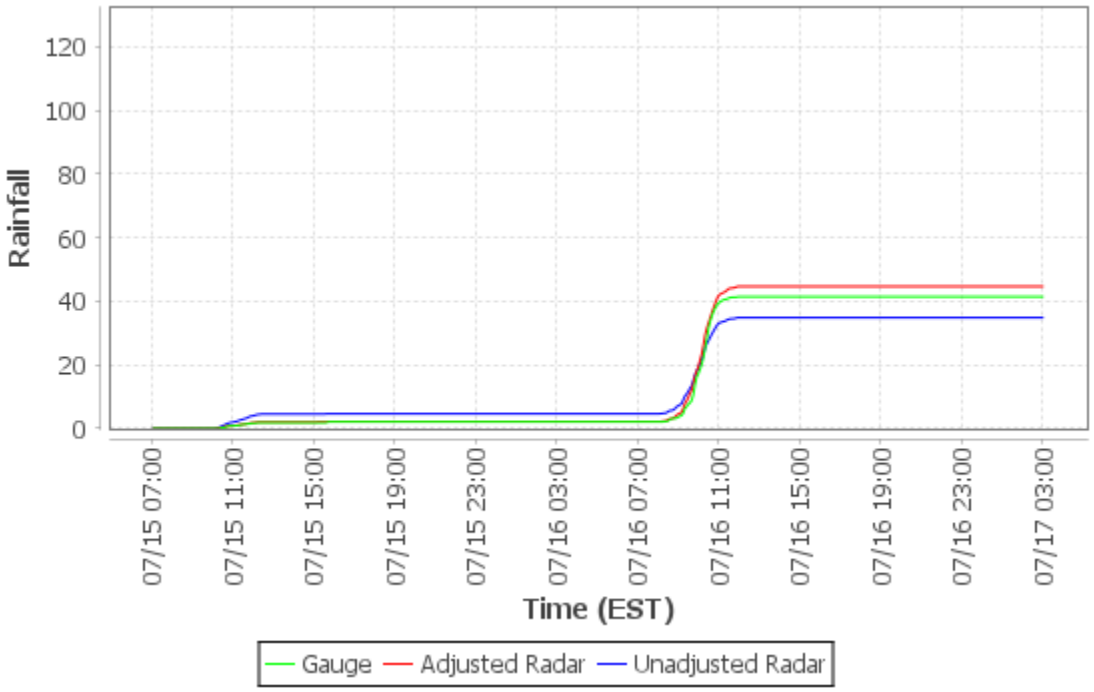
Cumulative Distribution Plot - Bruces Mill CA (HY011)



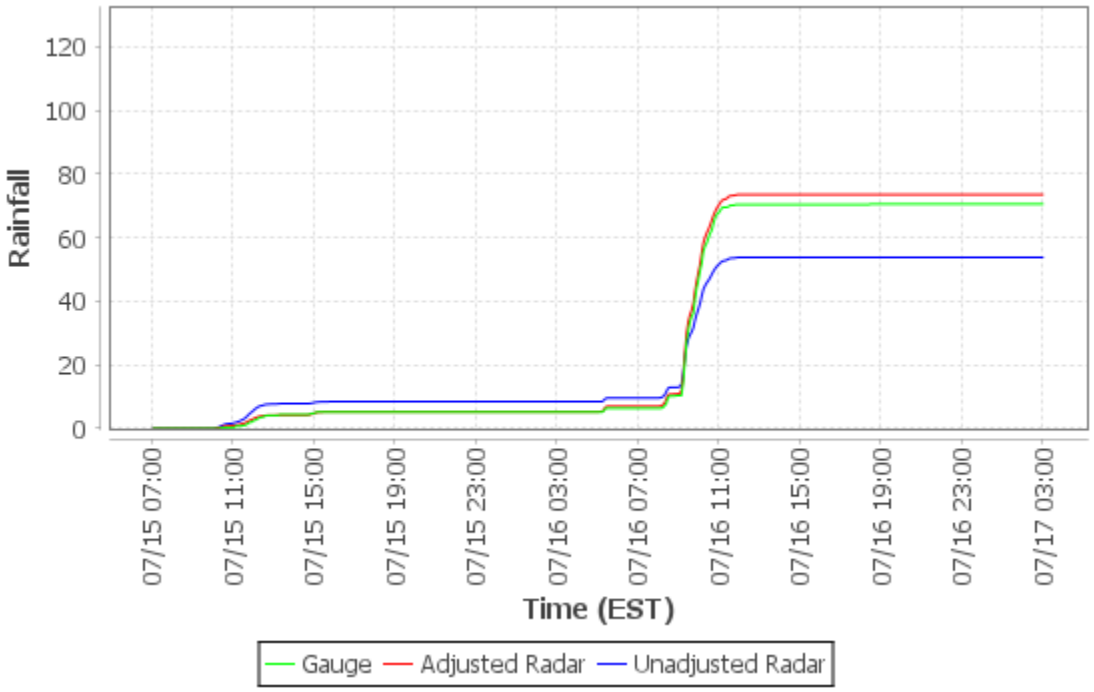
Cumulative Distribution Plot - Danforth and Coxwell (HY016)



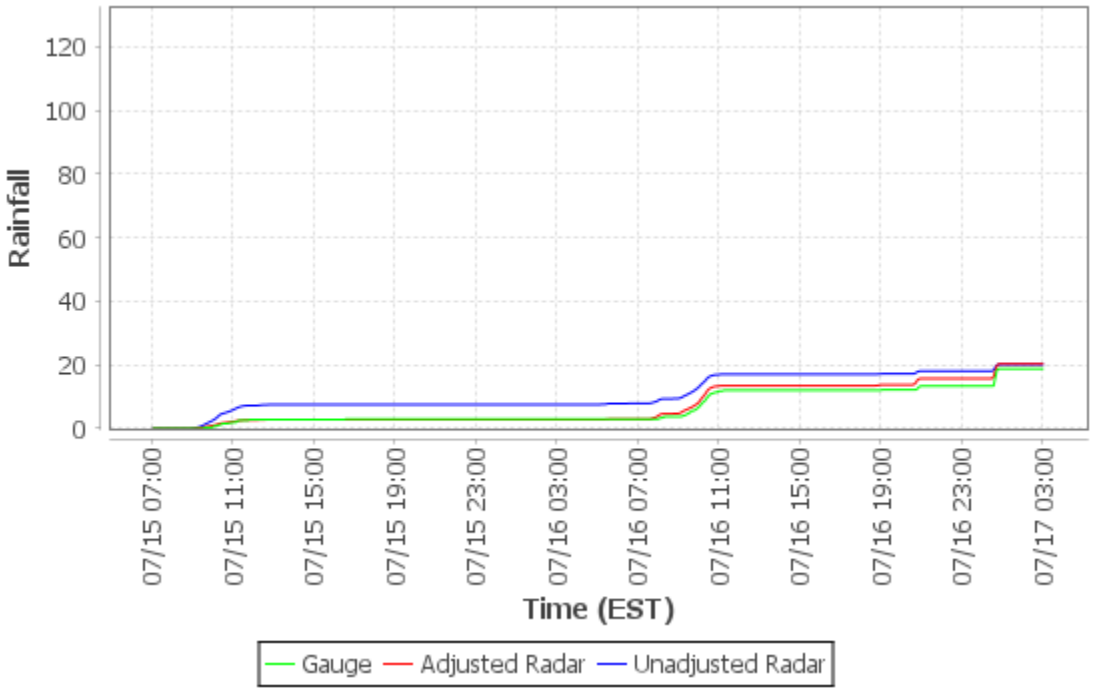
Cumulative Distribution Plot - Dufferin Reservoir (HY021)



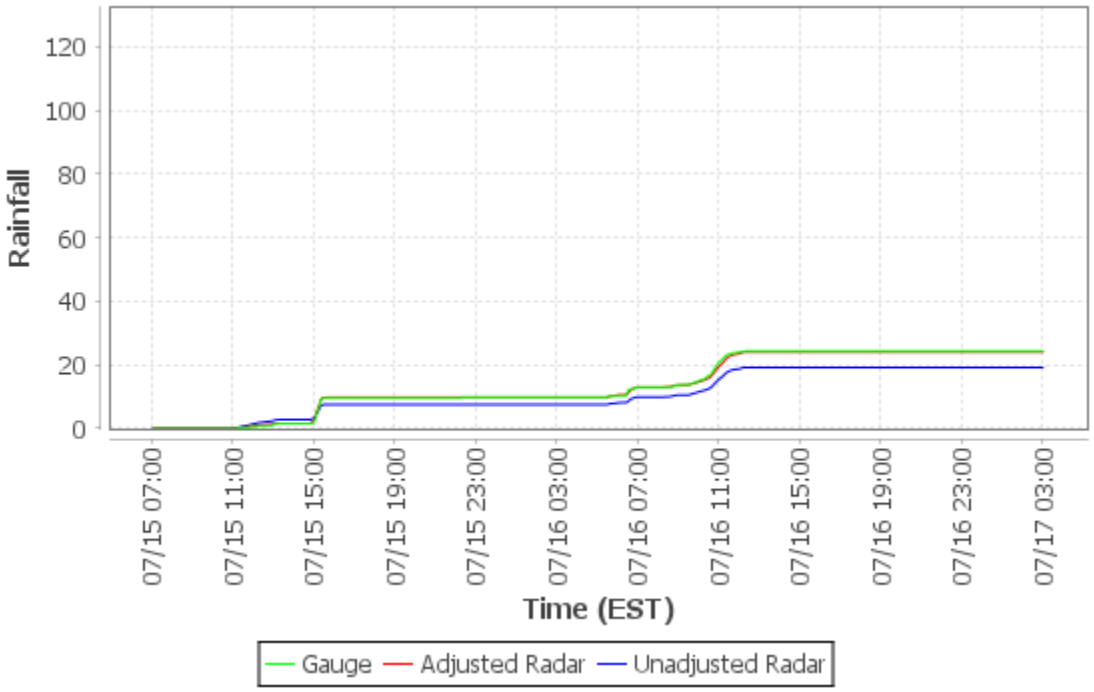
Cumulative Distribution Plot - G Ross Dam (HY027)



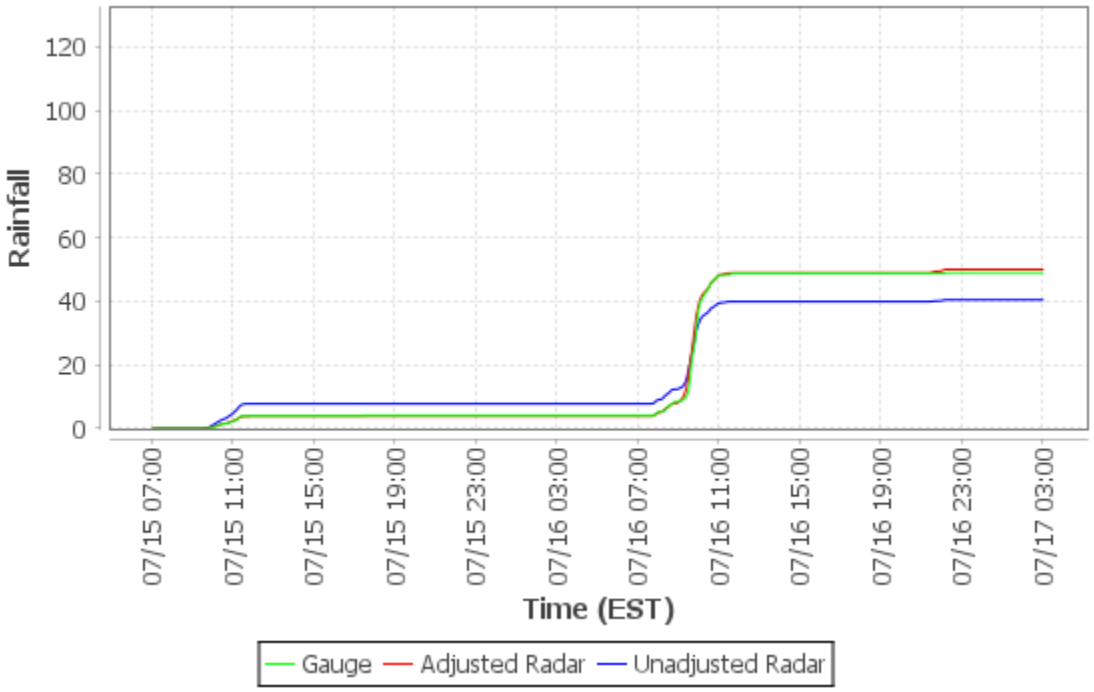
Cumulative Distribution Plot - Glen Haffy (HY030)



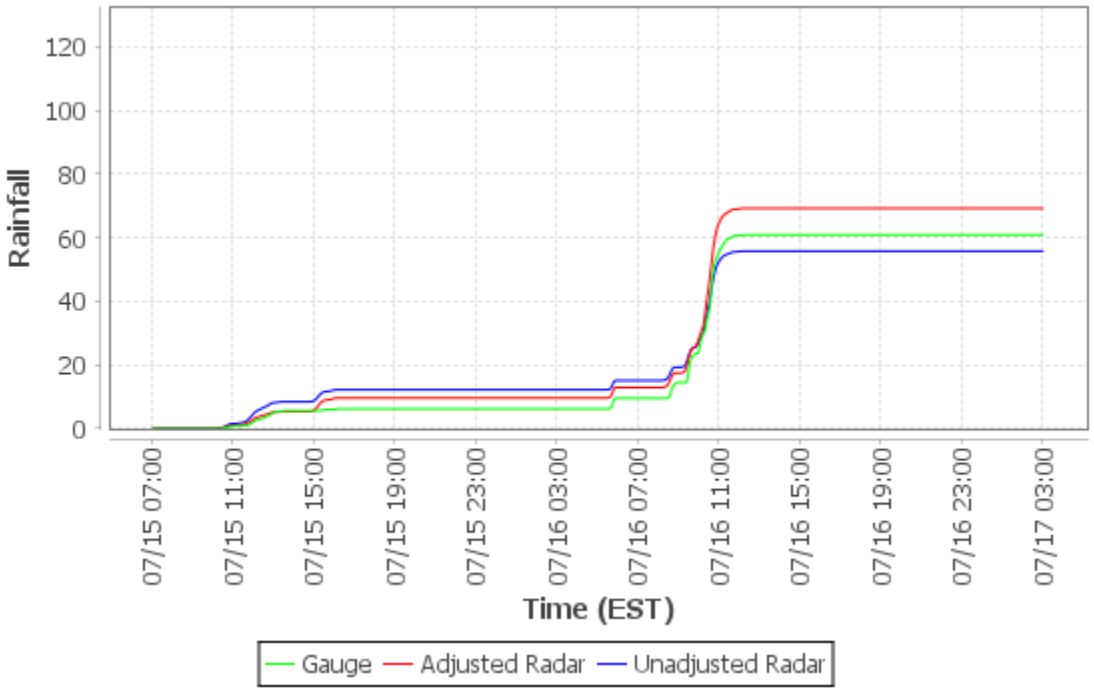
Cumulative Distribution Plot - Goodwood Pumping Station (HY031)



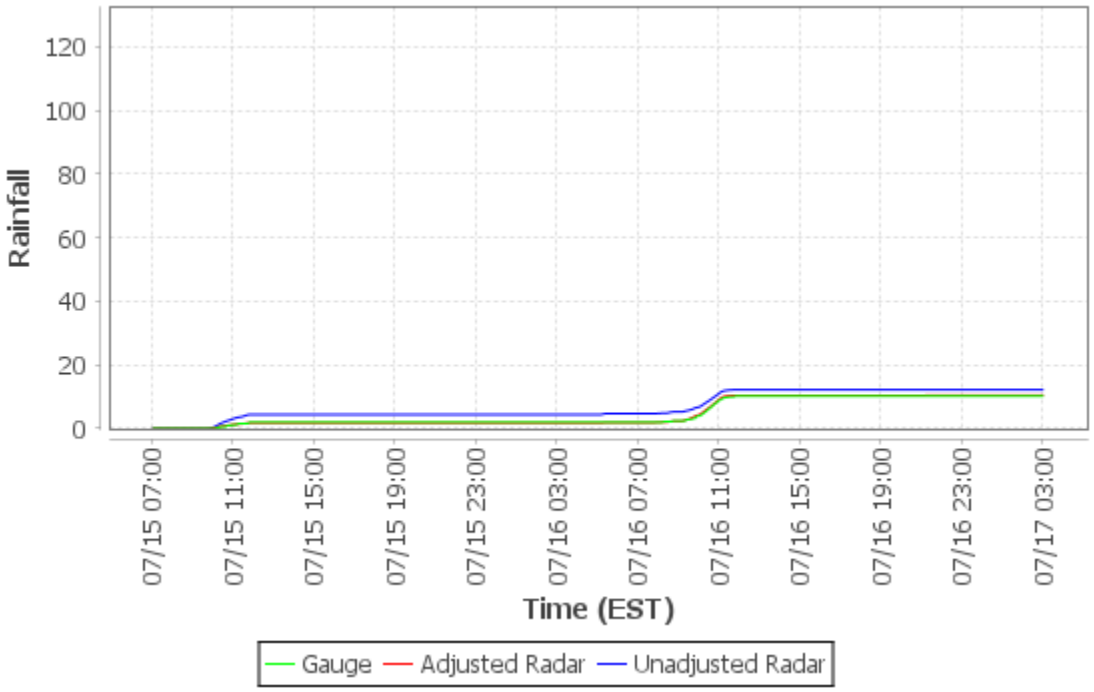
Cumulative Distribution Plot - Heart Lake CA (HY033)



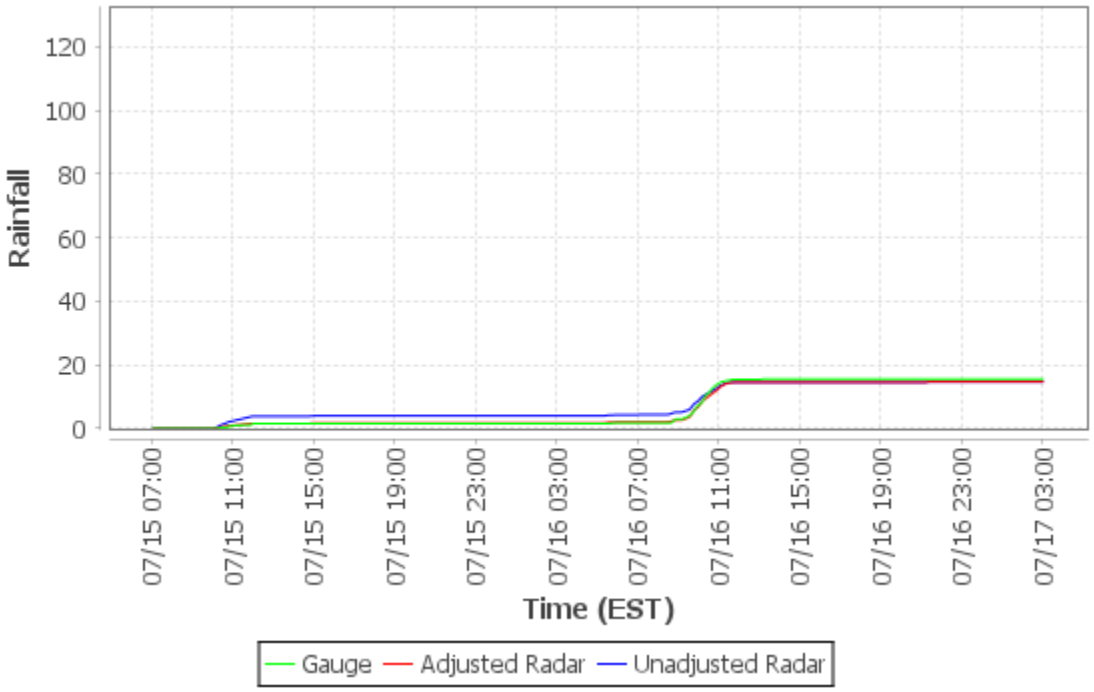
Cumulative Distribution Plot - Kennedy Pump Station (HY036)



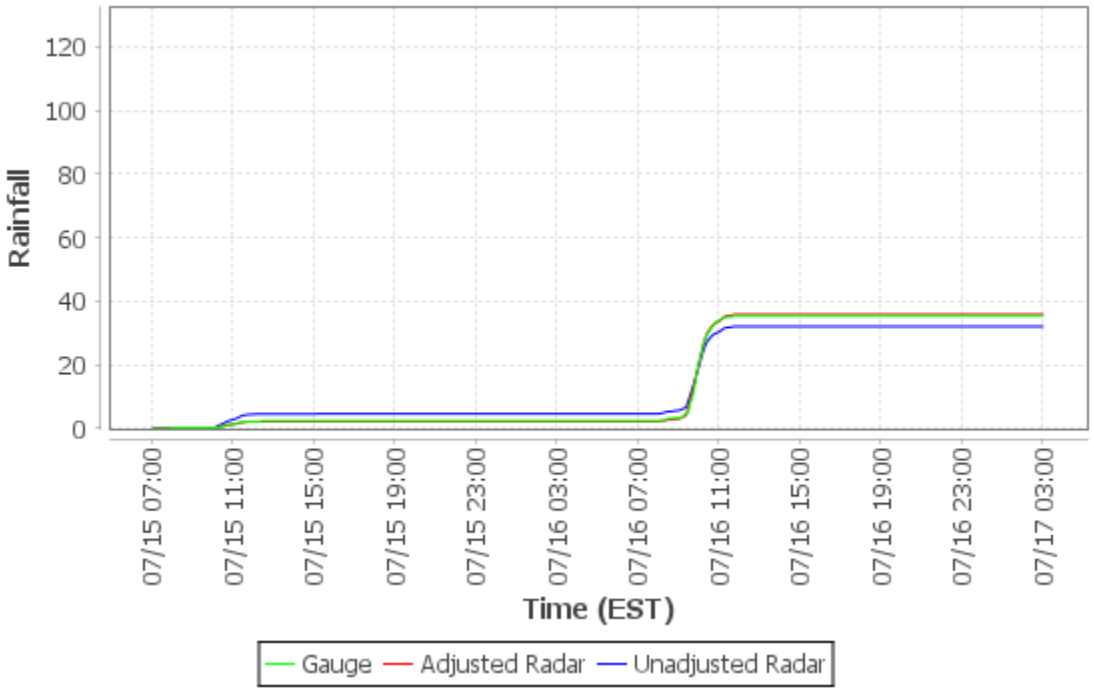
Cumulative Distribution Plot - King and Albion-Vaughan (HY037)



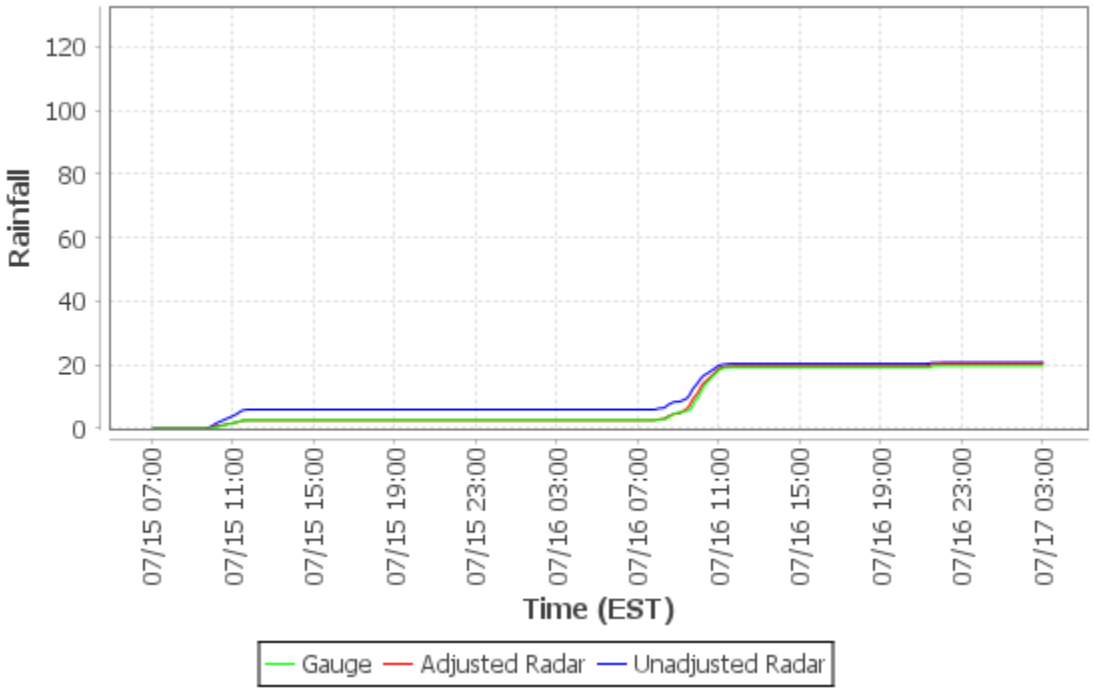
Cumulative Distribution Plot - East Humber at Mill Road (HY038)



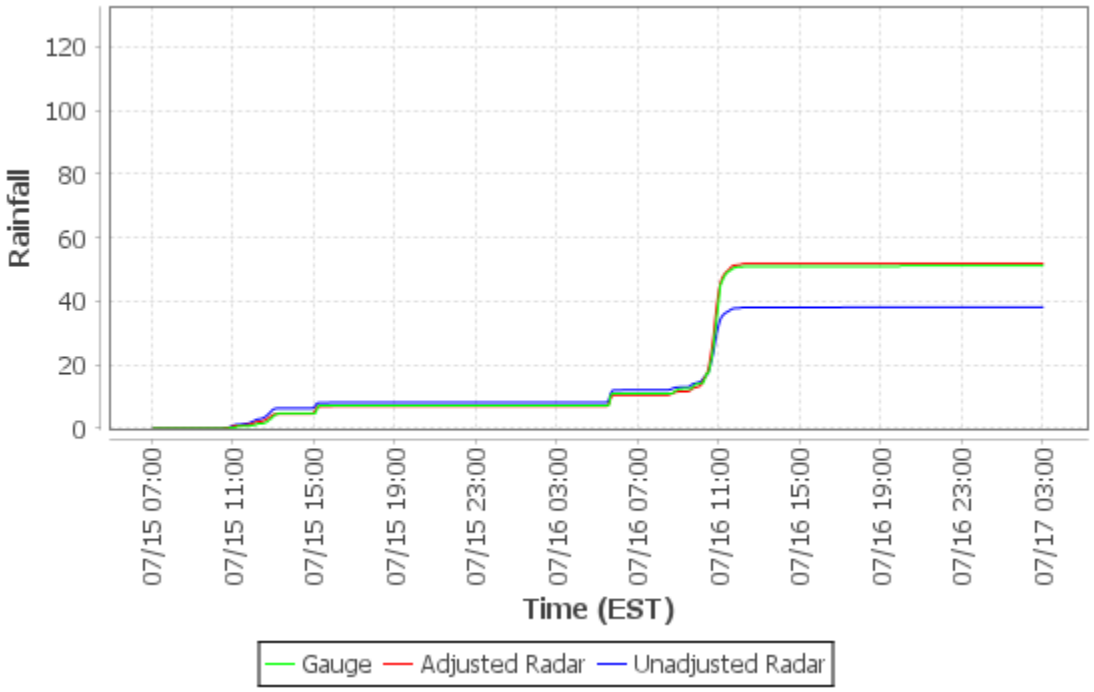
Cumulative Distribution Plot - Kortright (HY039)



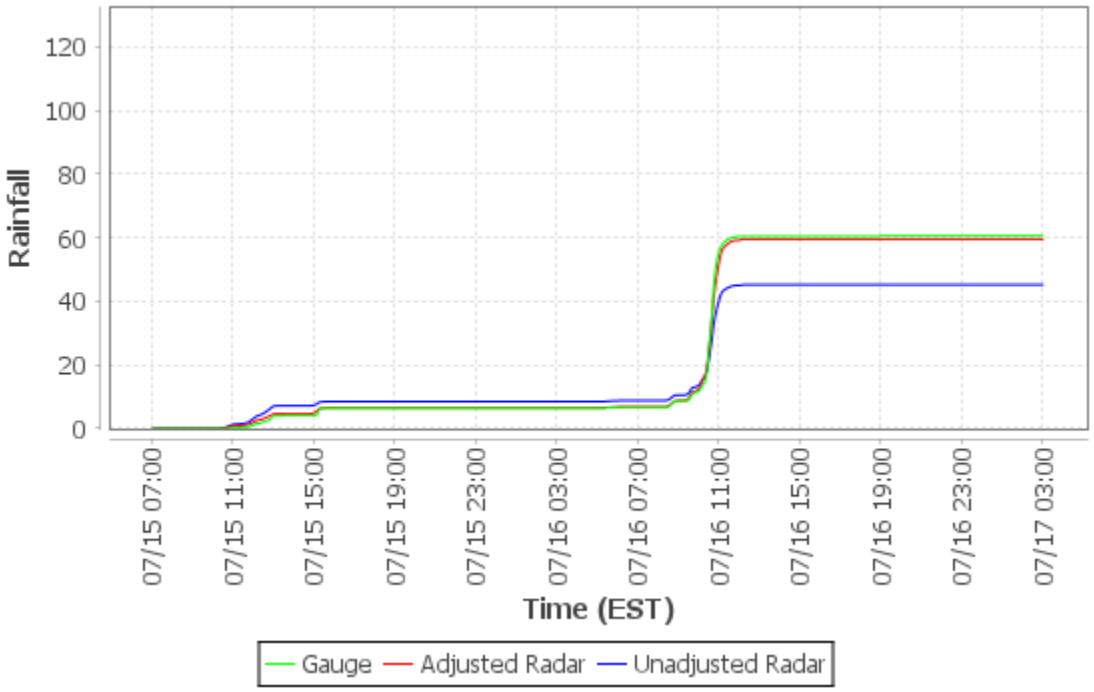
Cumulative Distribution Plot - Tullamore (HY041)



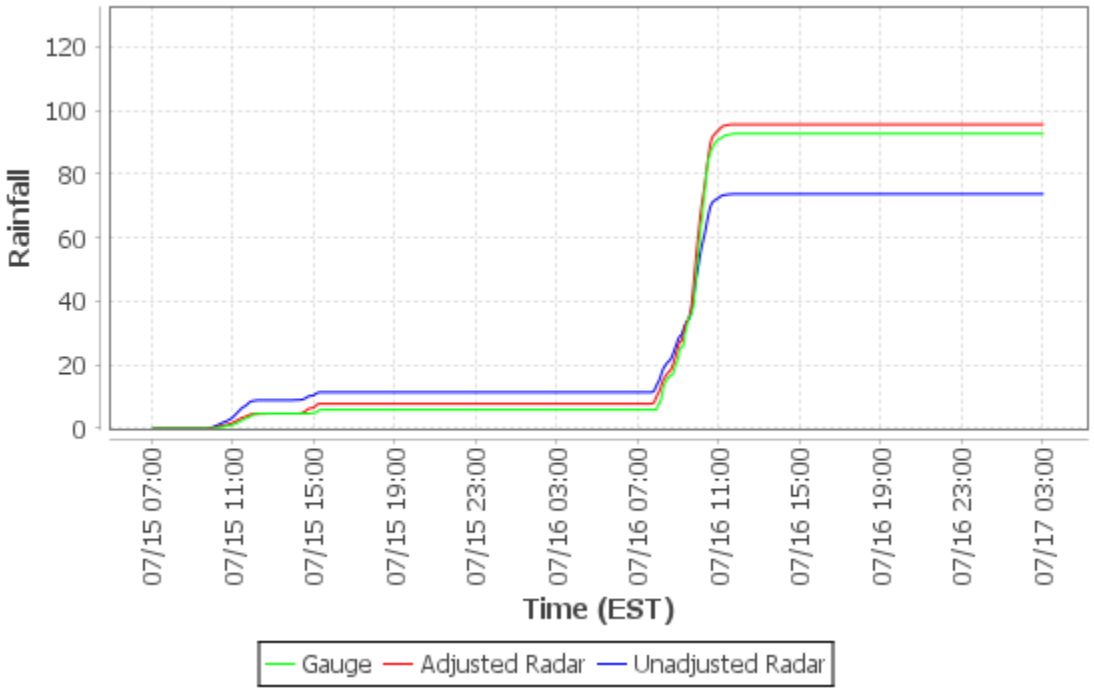
Cumulative Distribution Plot - Little Rouge at 16th (HY043)



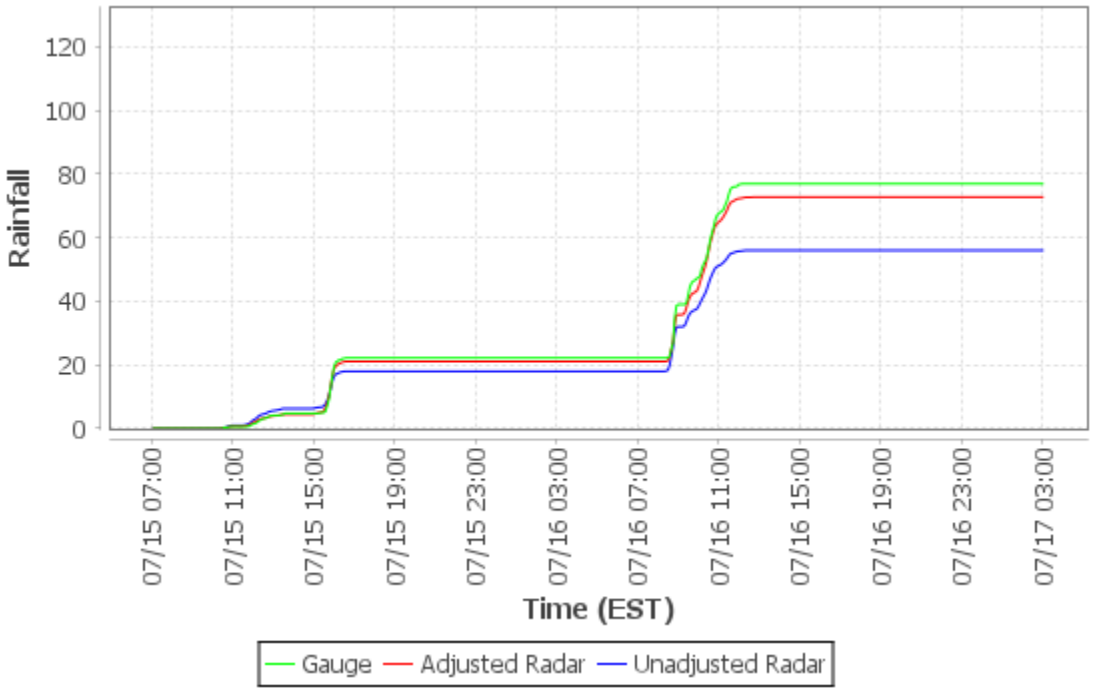
Cumulative Distribution Plot - Milne Dam (HY044)



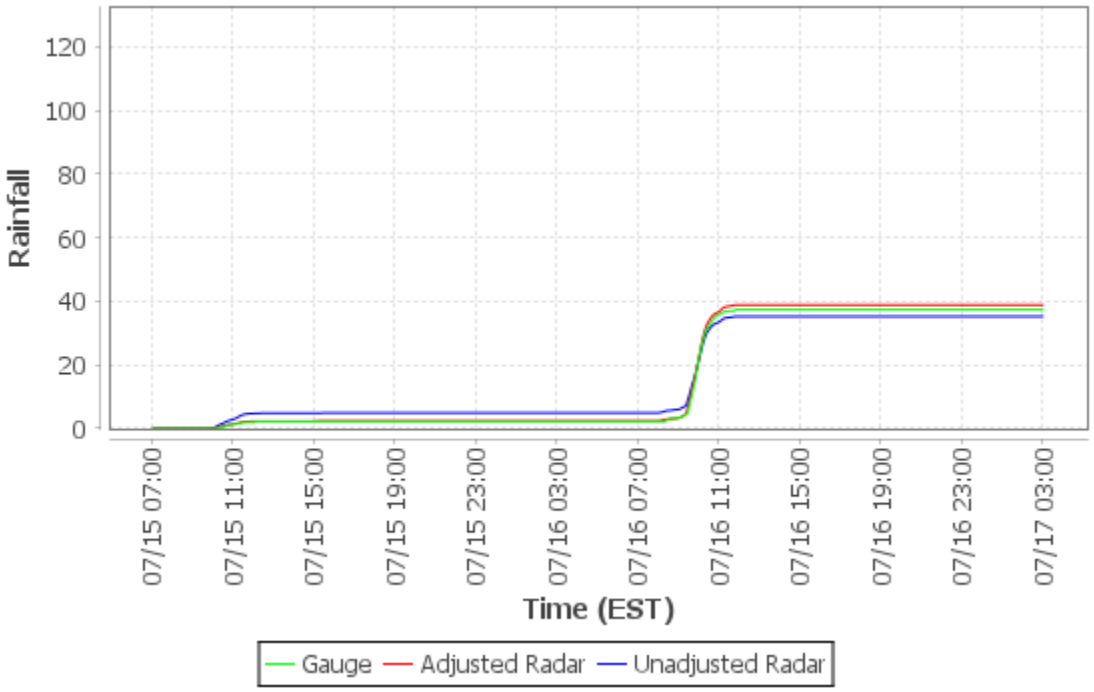
Cumulative Distribution Plot - Mississauga Works Yard (HY046)



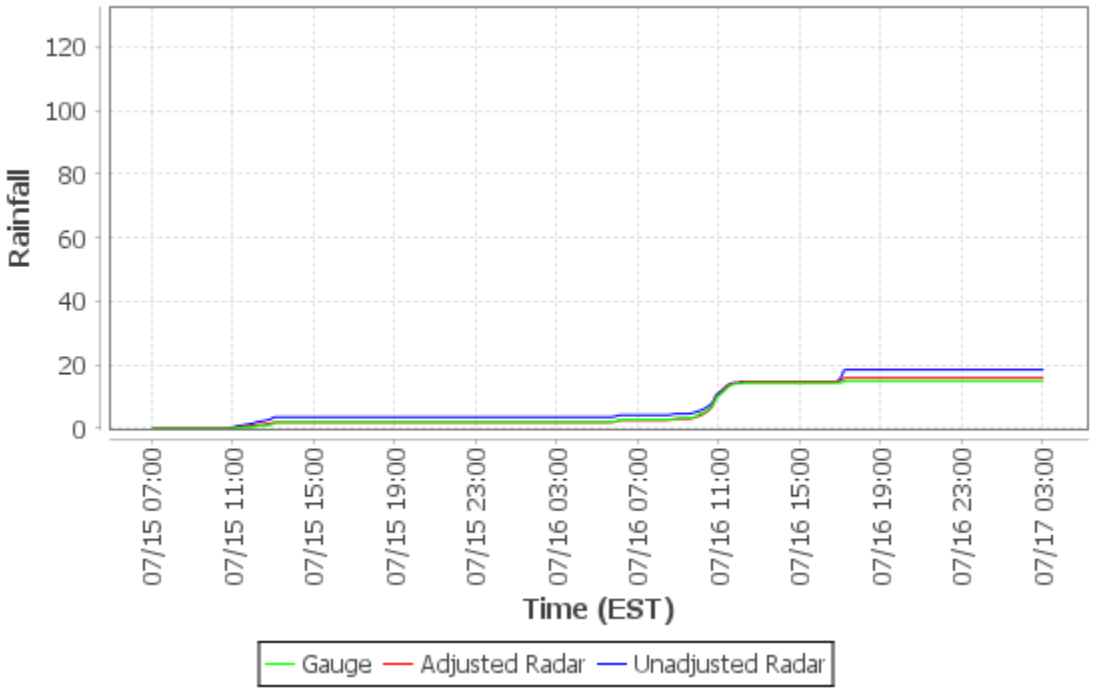
Cumulative Distribution Plot - Morningside Works Yard (HY050)



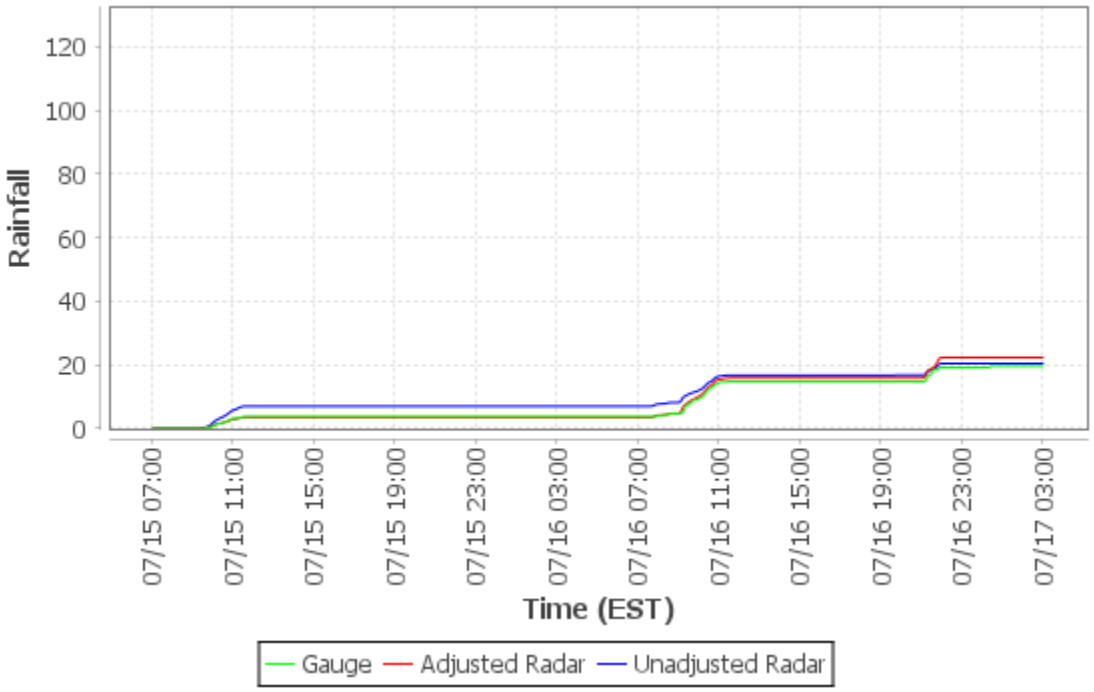
Cumulative Distribution Plot - Restoration Services (HY055)



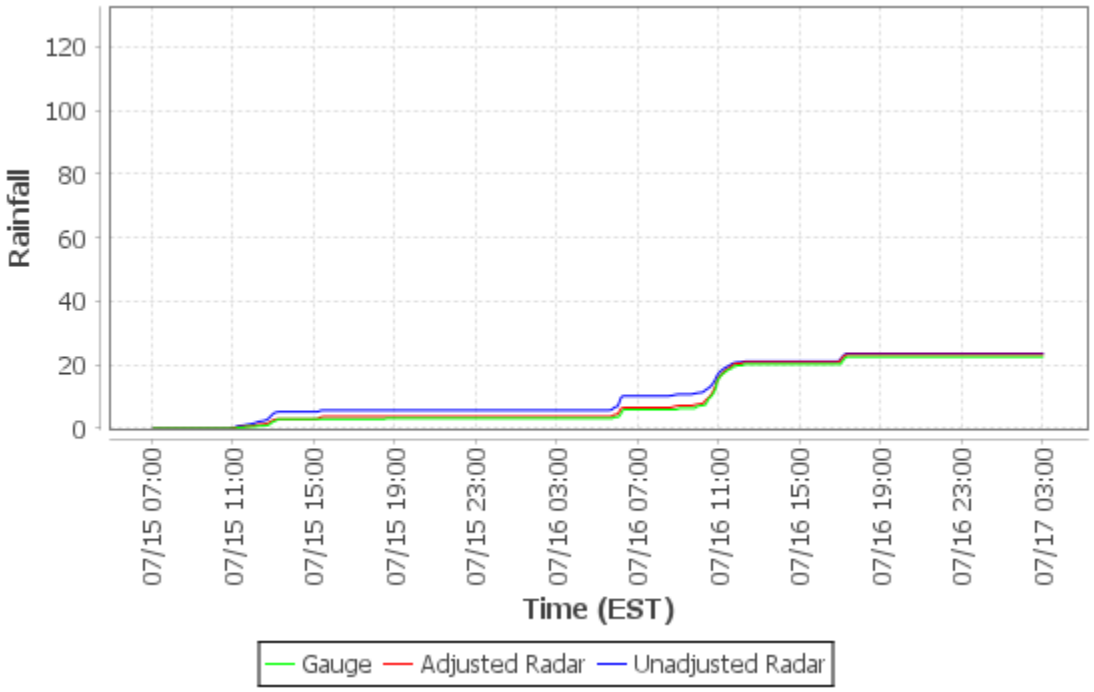
Cumulative Distribution Plot - Stouffville Dam (HY060)



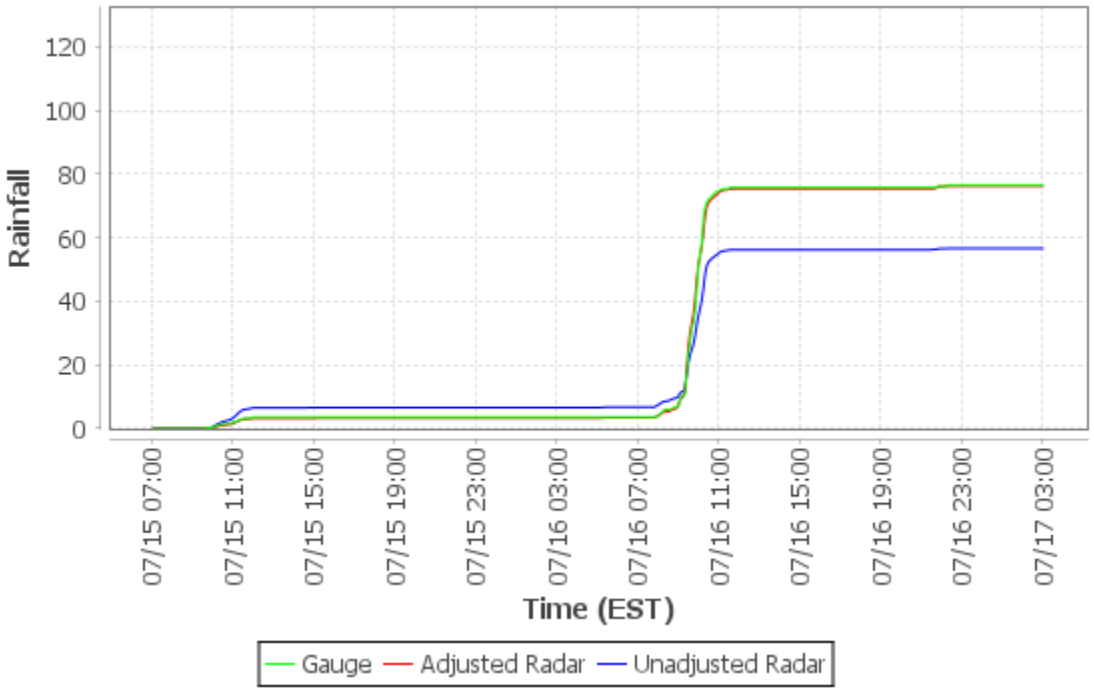
Cumulative Distribution Plot - Sue Grange Farm (HY061)



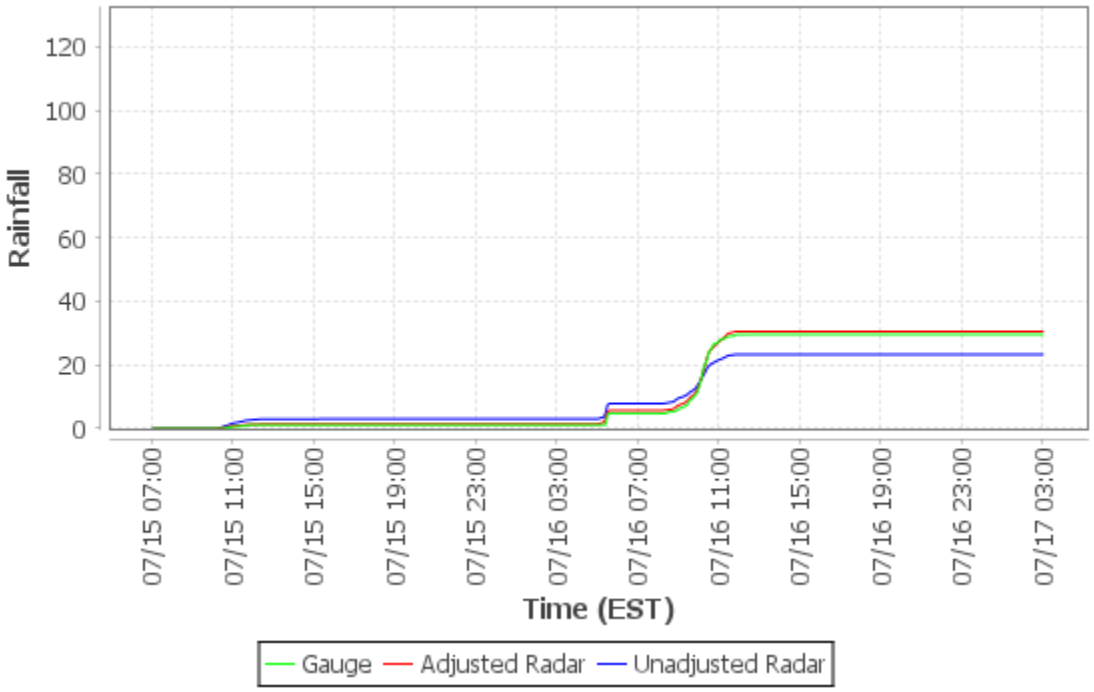
Cumulative Distribution Plot - Transport Canada (HY063)



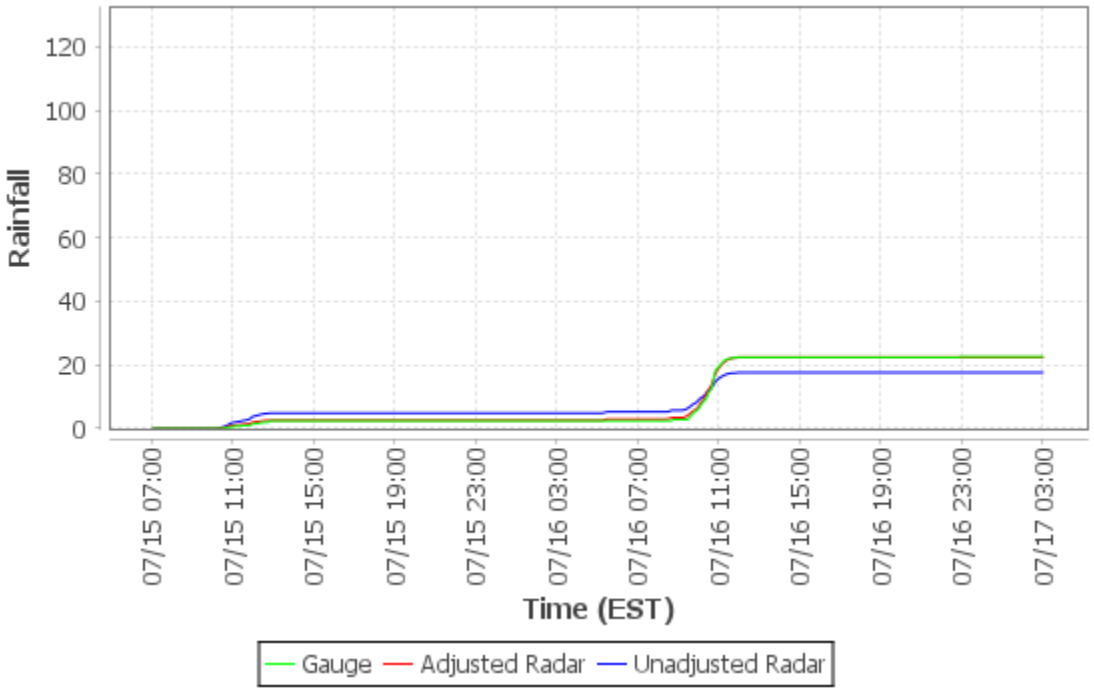
Cumulative Distribution Plot - West Humber at Hwy7 (HY067)



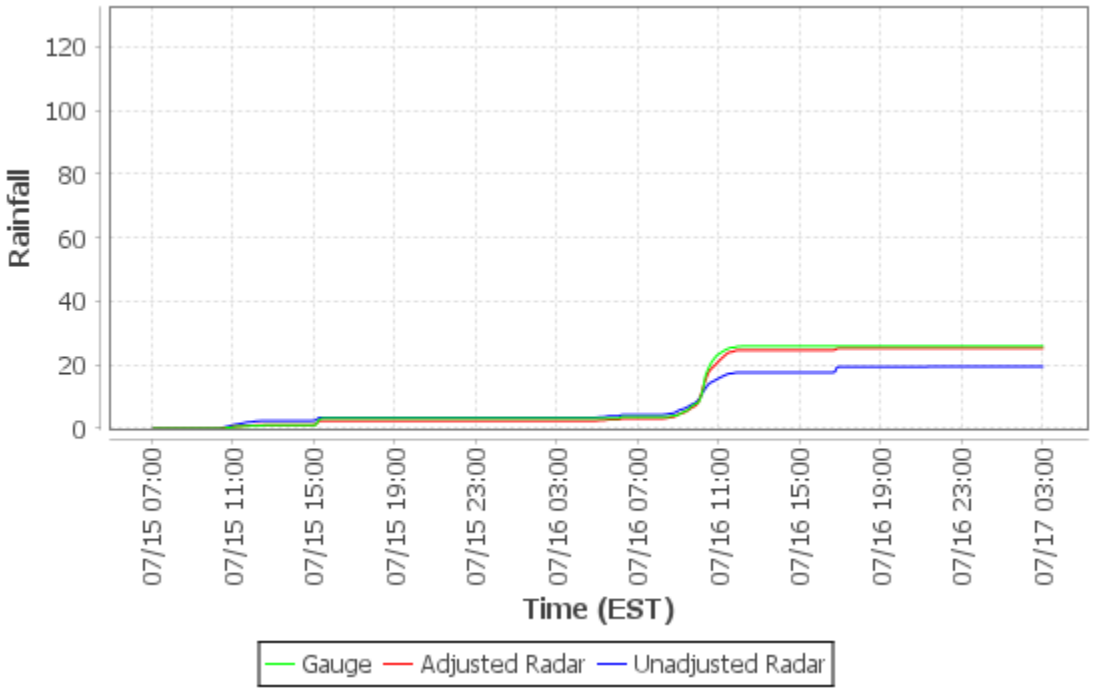
Cumulative Distribution Plot - York Pumping Station (HY069)



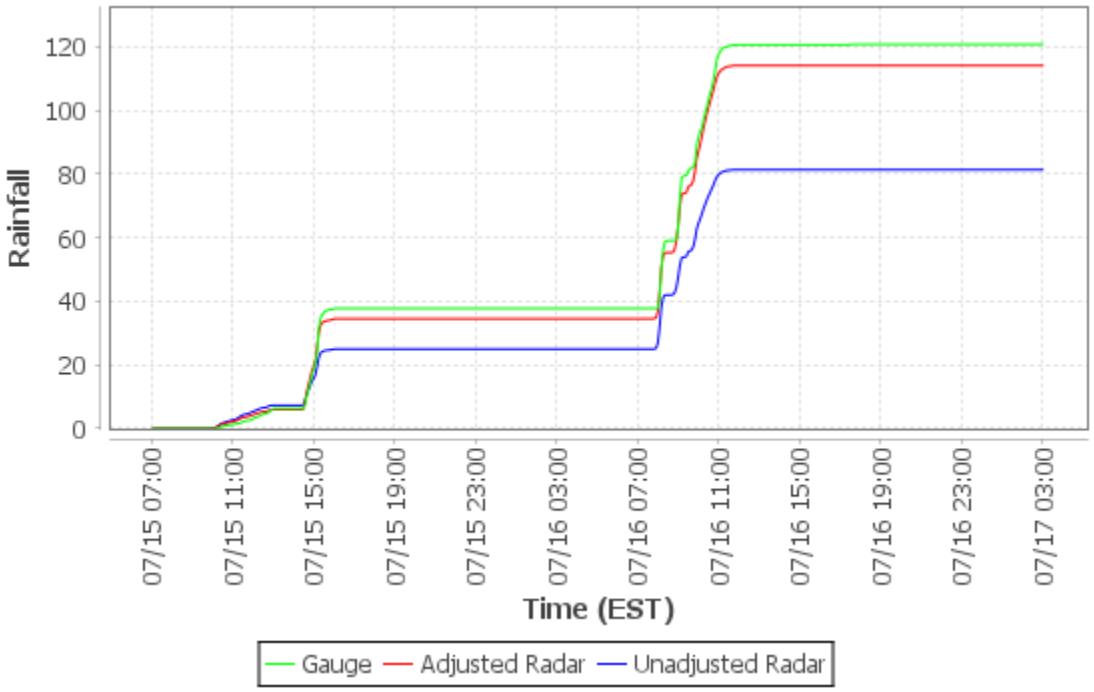
Cumulative Distribution Plot - York Region Works Yard (HY070)



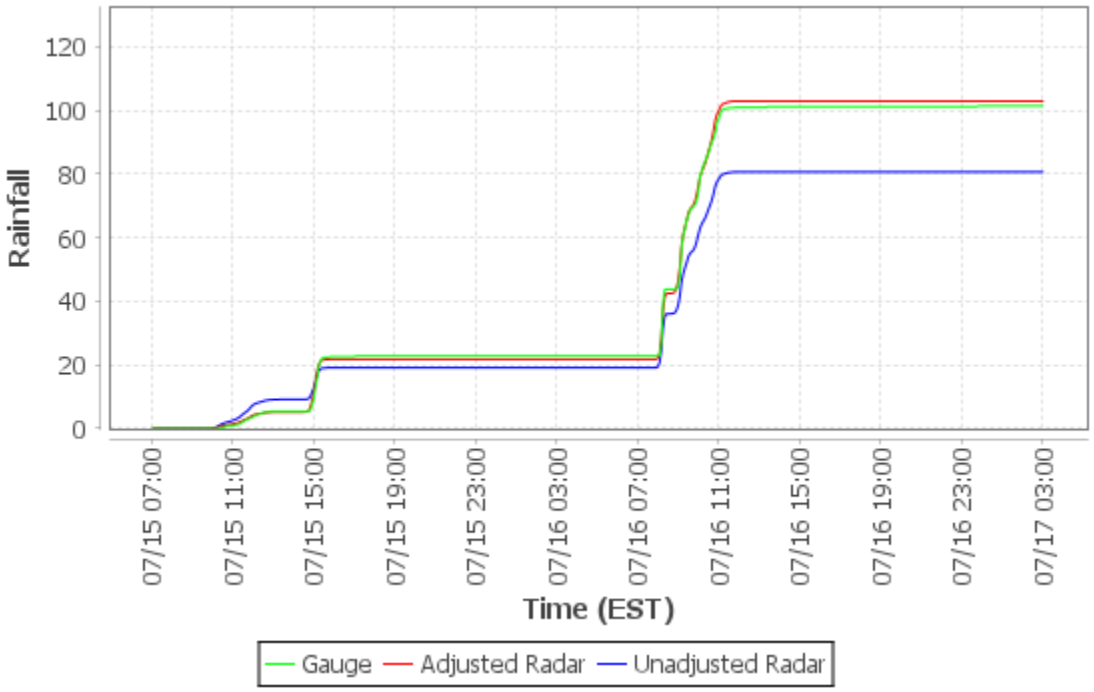
Cumulative Distribution Plot - Oak Ridges (HY083)



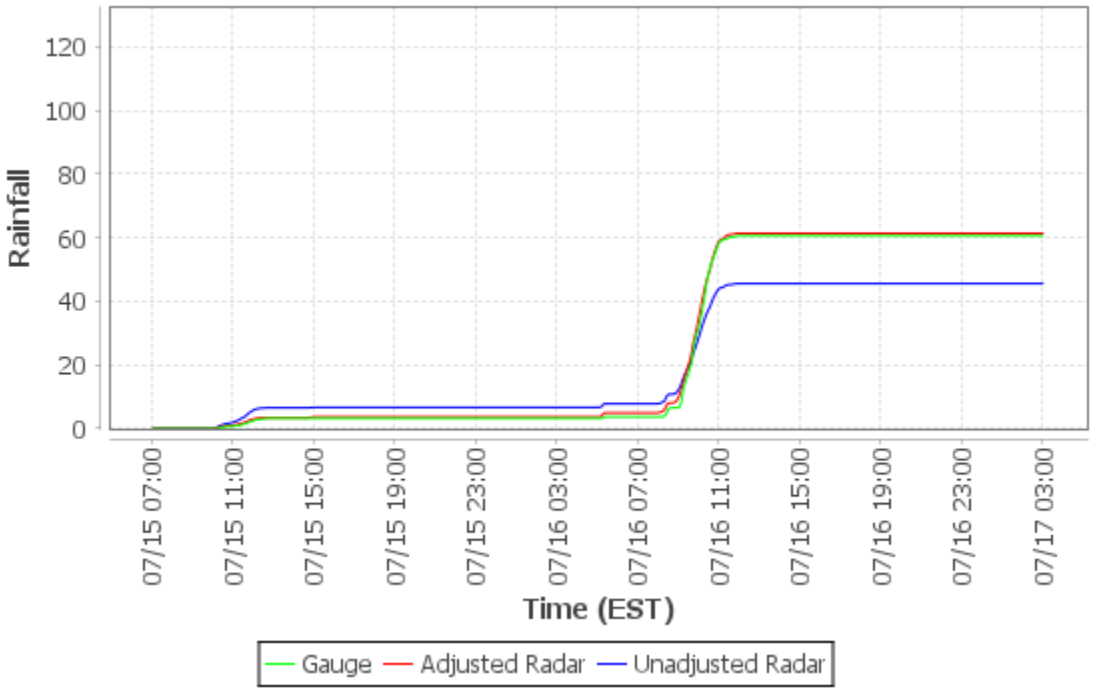
Cumulative Distribution Plot - RL Clark WTP (HY086)



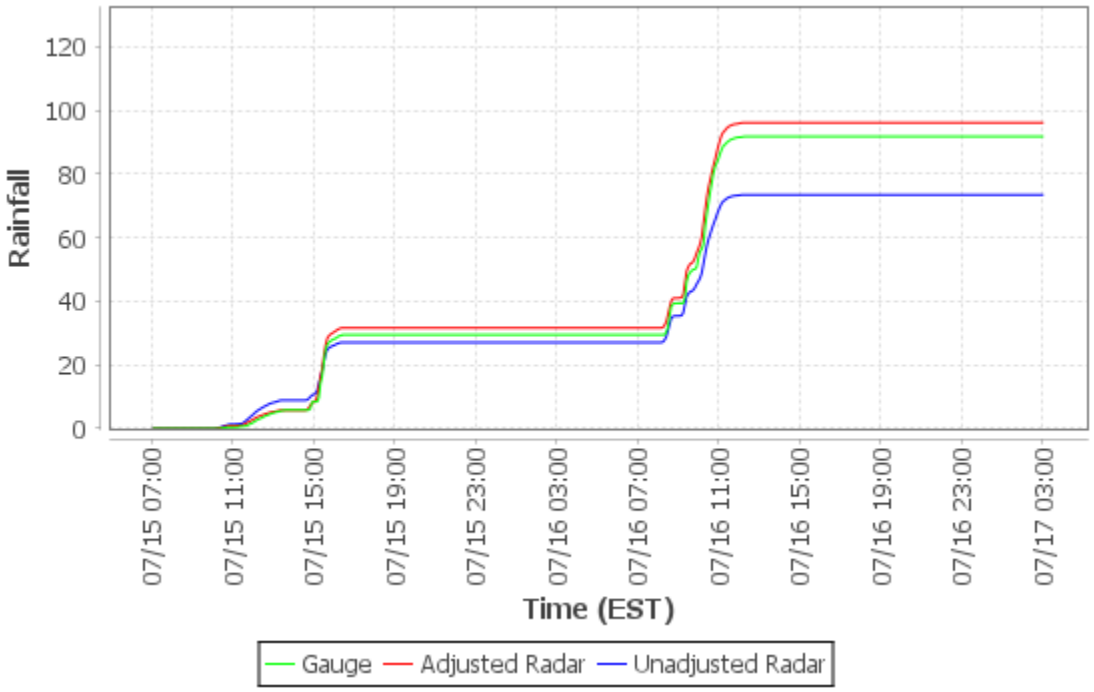
Cumulative Distribution Plot - Westmount Park (HY087)



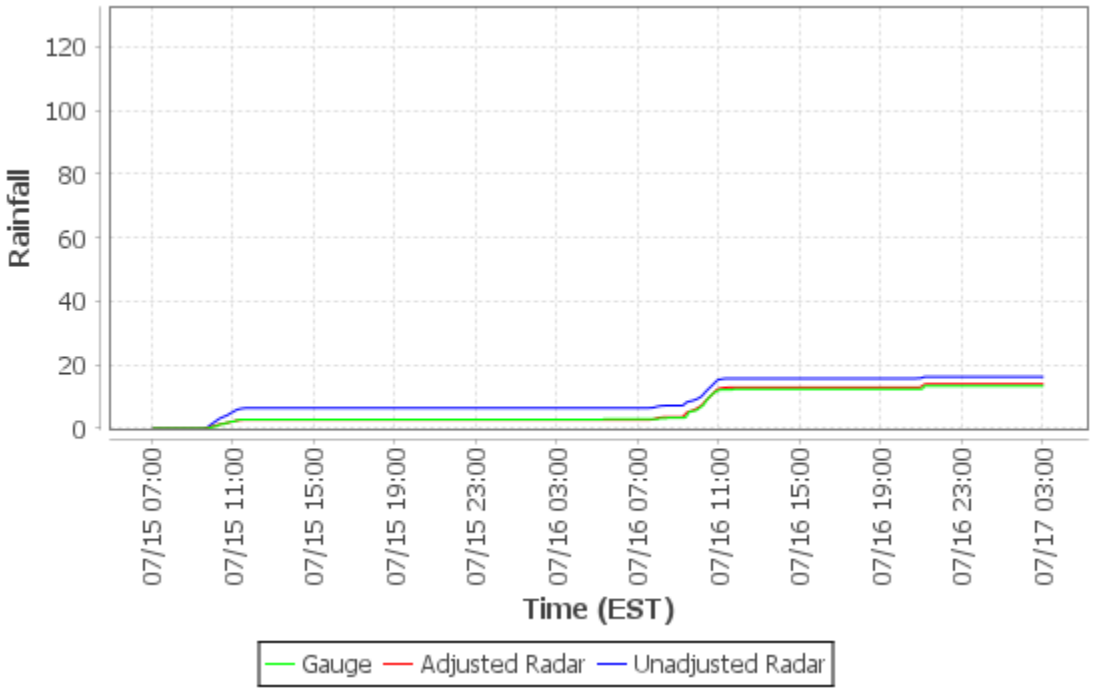
Cumulative Distribution Plot - The Village at Black Creek (HY088)



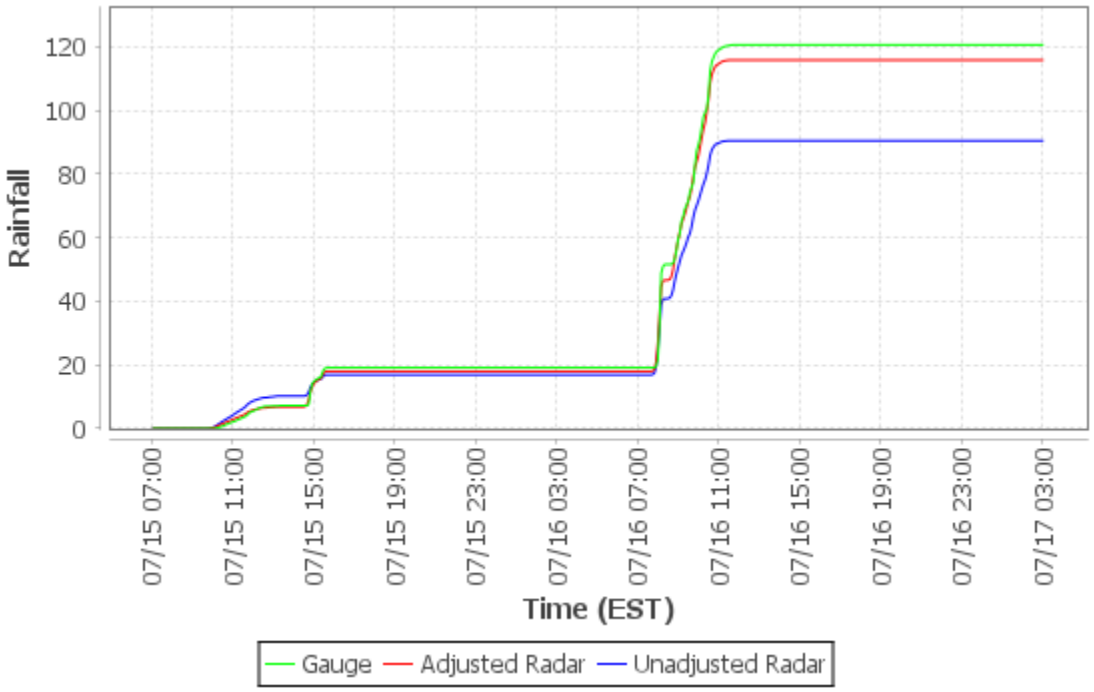
Cumulative Distribution Plot - Broadlands Community Centre (HY094)



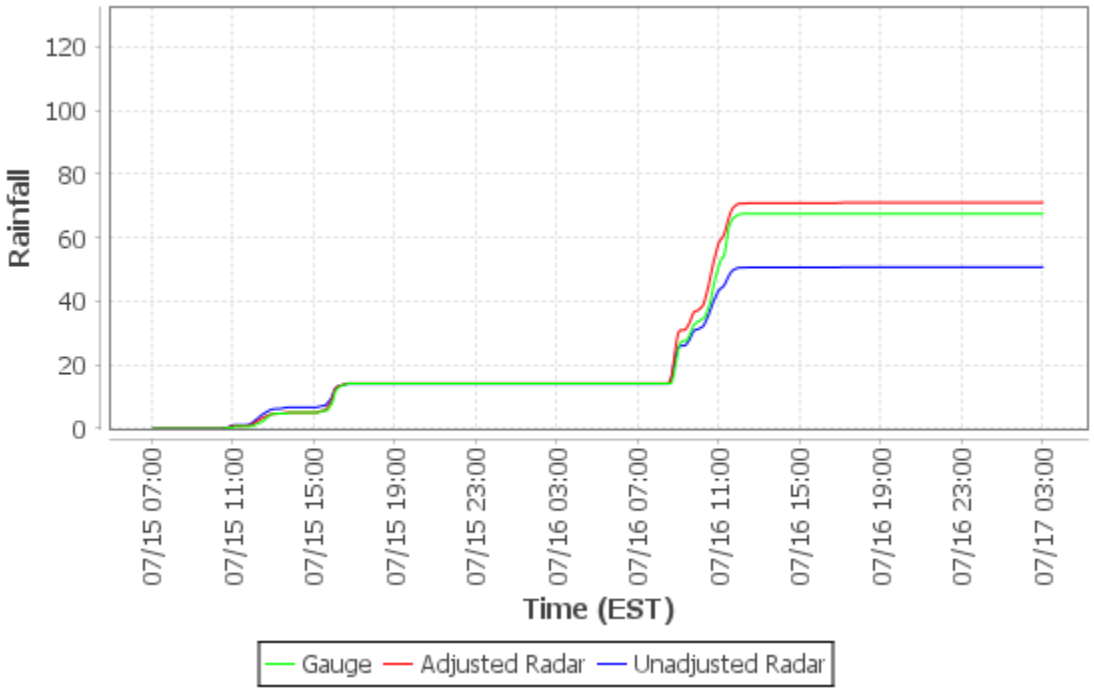
Cumulative Distribution Plot - Caledon East Soccer Complex (HY096)



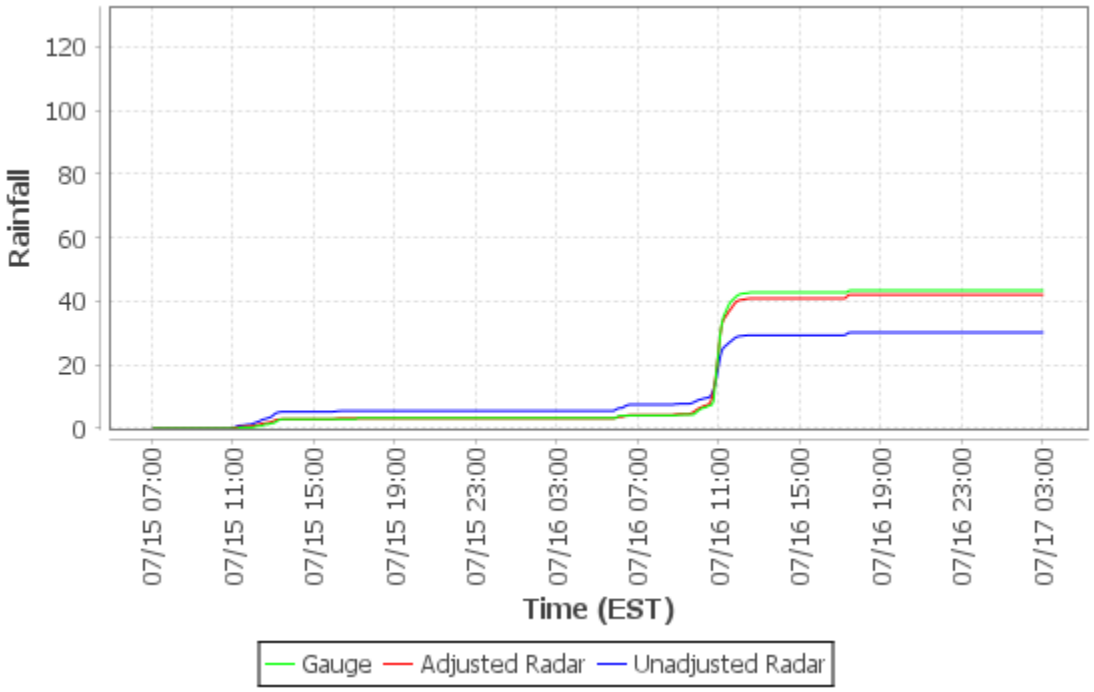
Cumulative Distribution Plot - Rathwood (HY099)



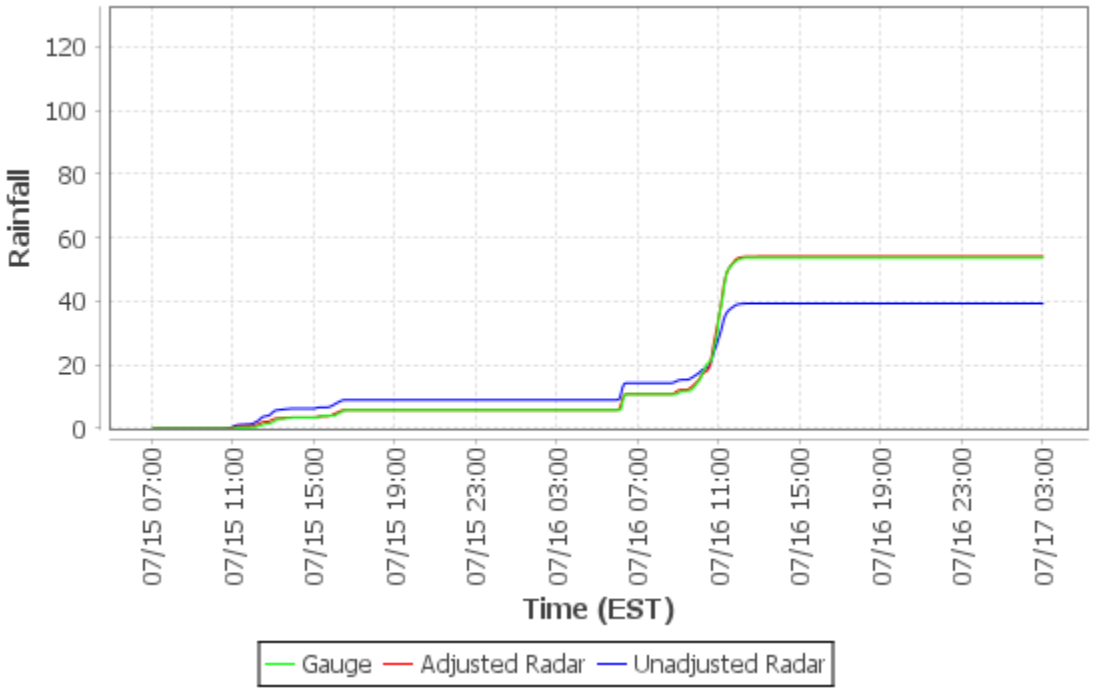
Cumulative Distribution Plot - Petticoat Works Yard (HY102)



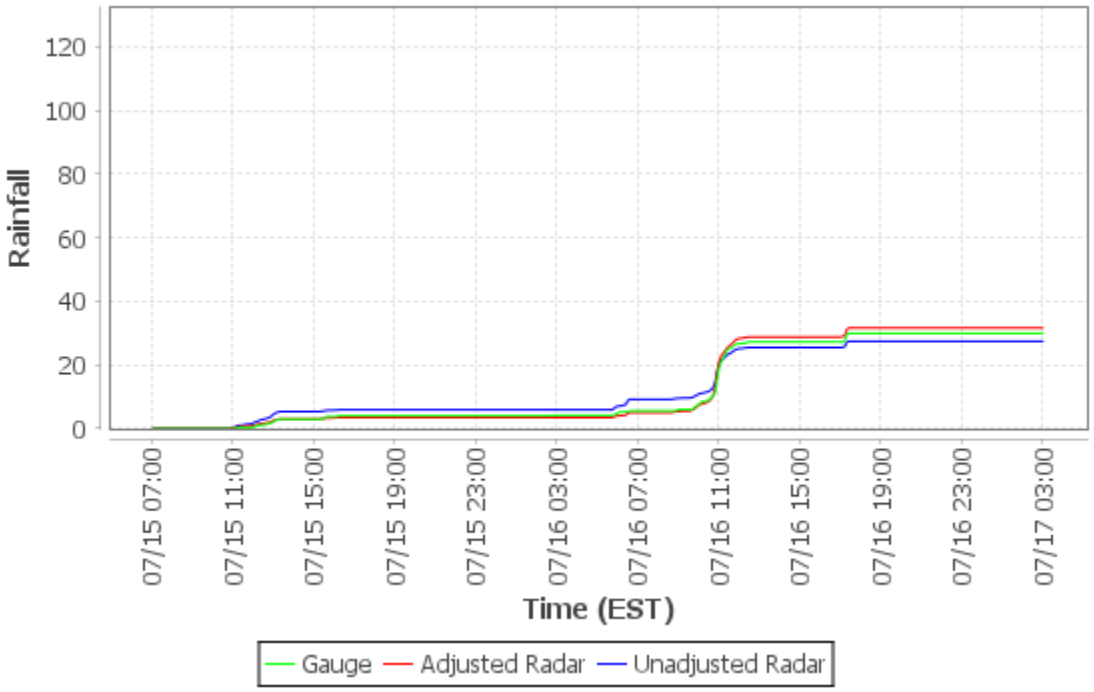
Cumulative Distribution Plot - Balsam at 407 (HY121)



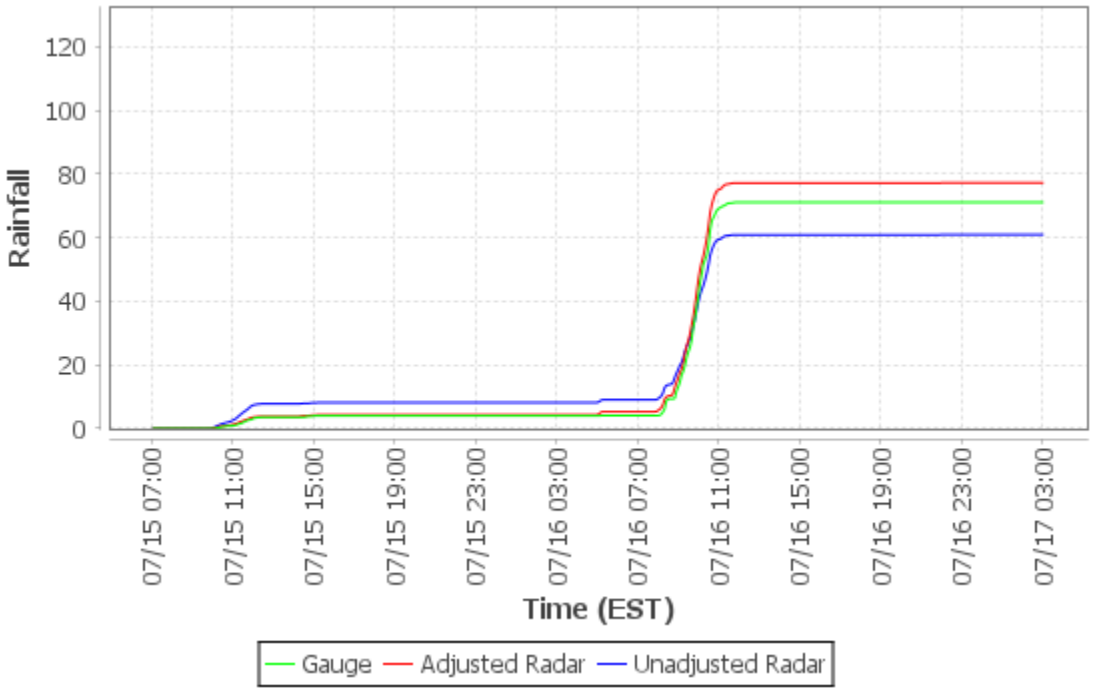
Cumulative Distribution Plot - Durham Works Yard (HY122)



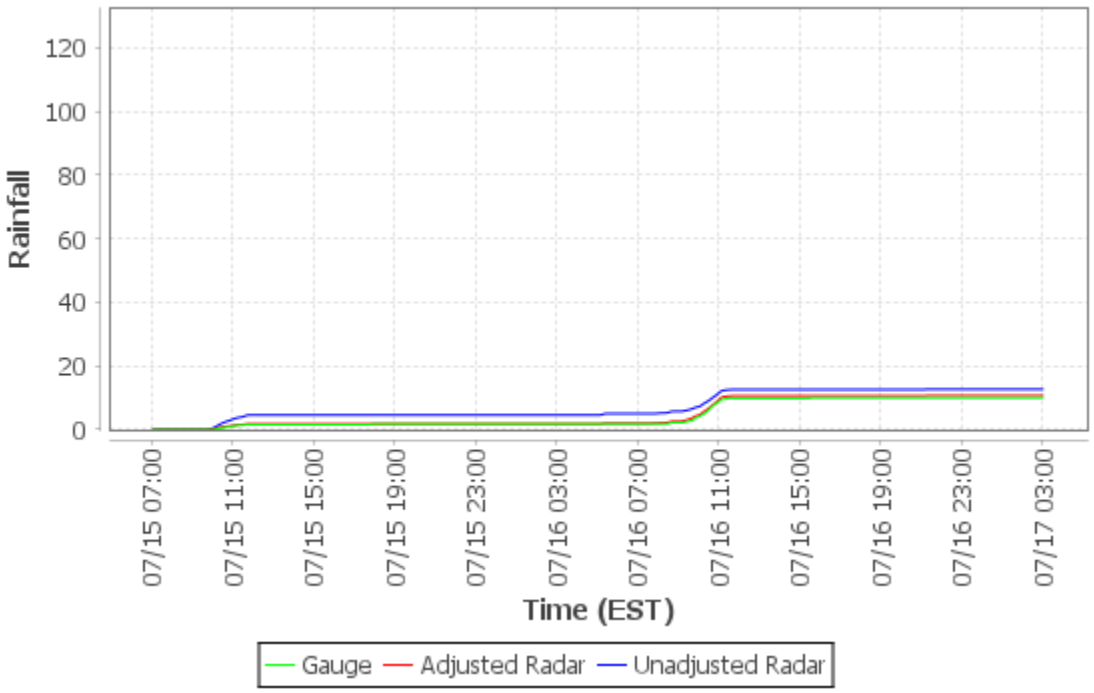
Cumulative Distribution Plot - Claremont Nature Centre (HY124)



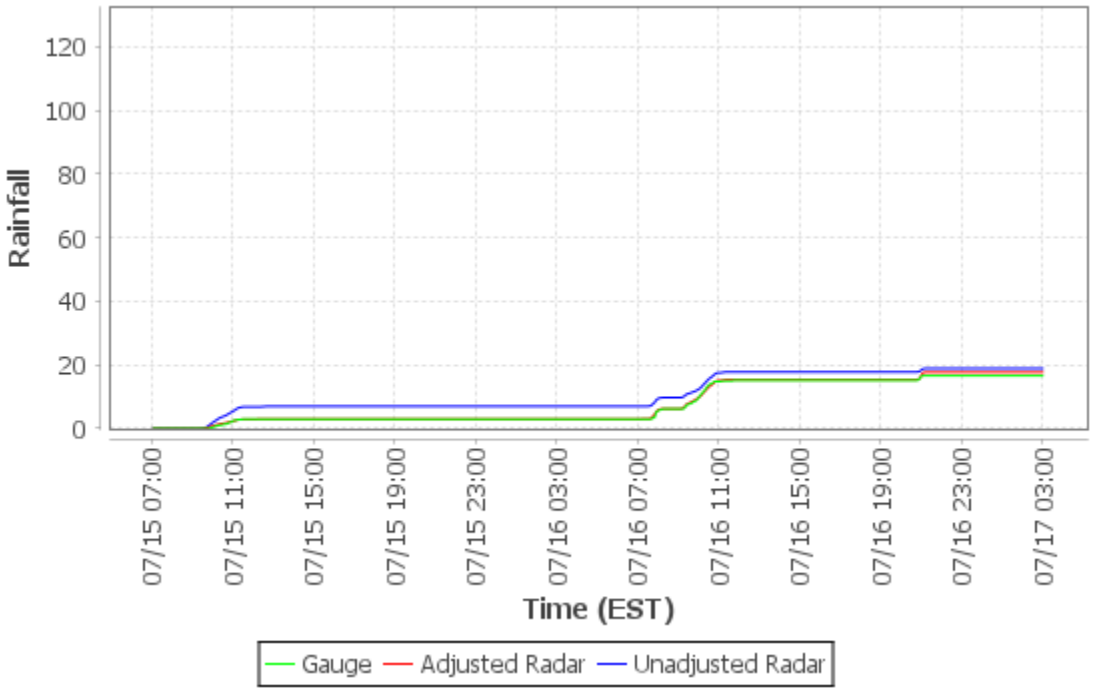
Cumulative Distribution Plot - Elmbank Community Centre (HY130)



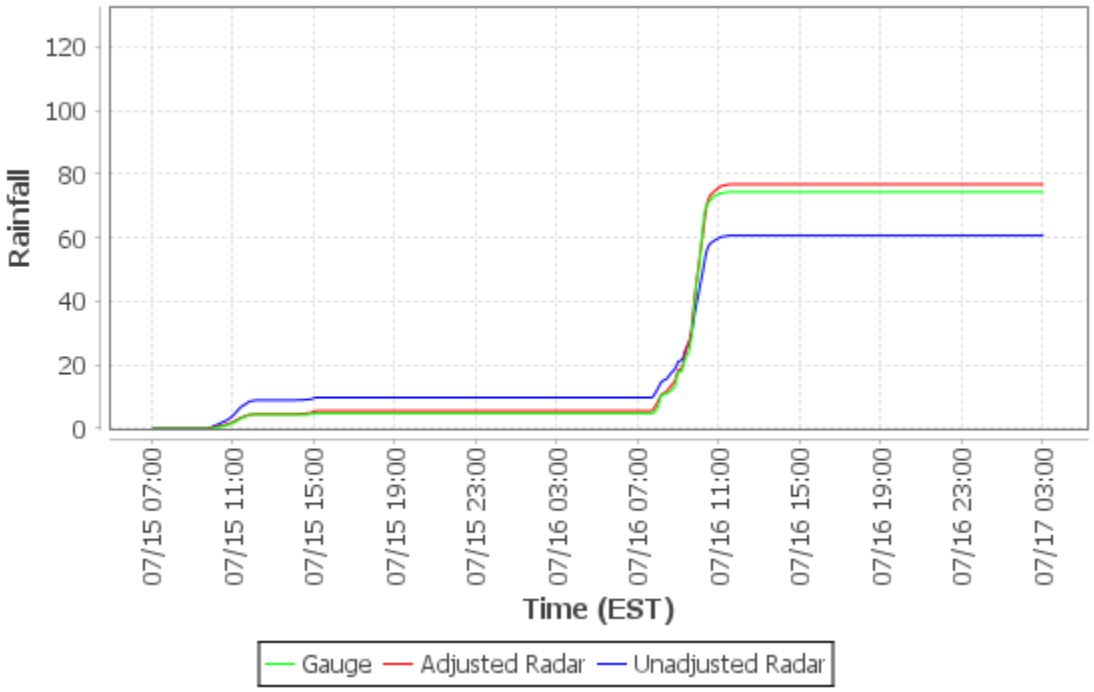
Cumulative Distribution Plot - Bolton Sewage Pumping Station (BOLTON SEWAGE PUMPING)



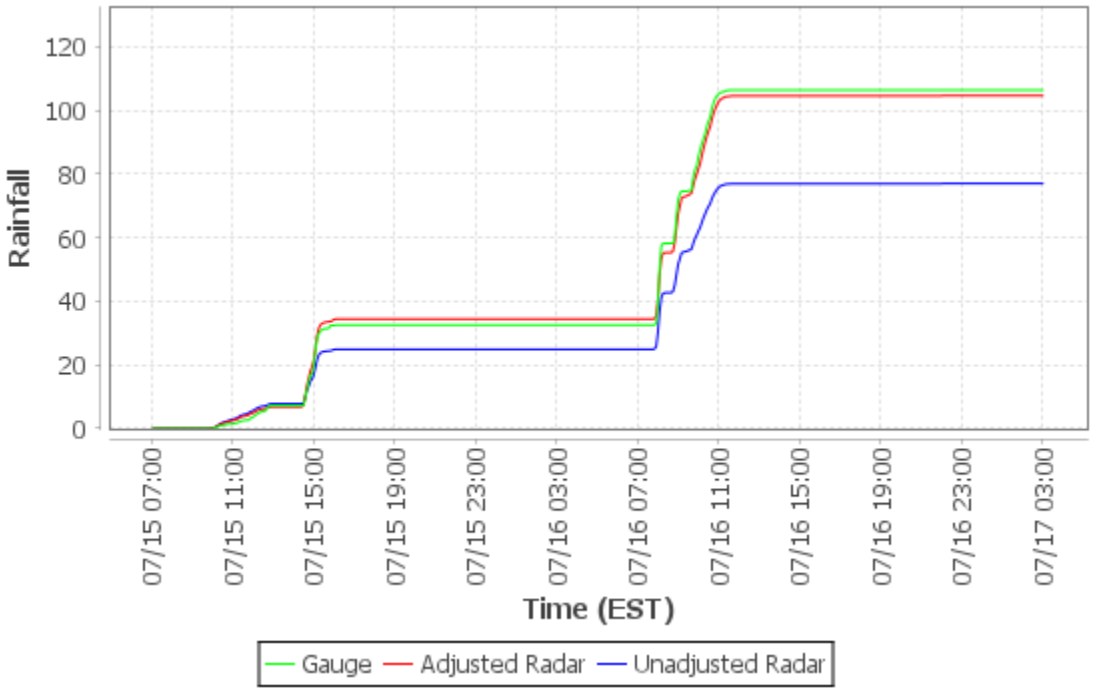
Cumulative Distribution Plot - Caledon East (CALEDON EAST RG)



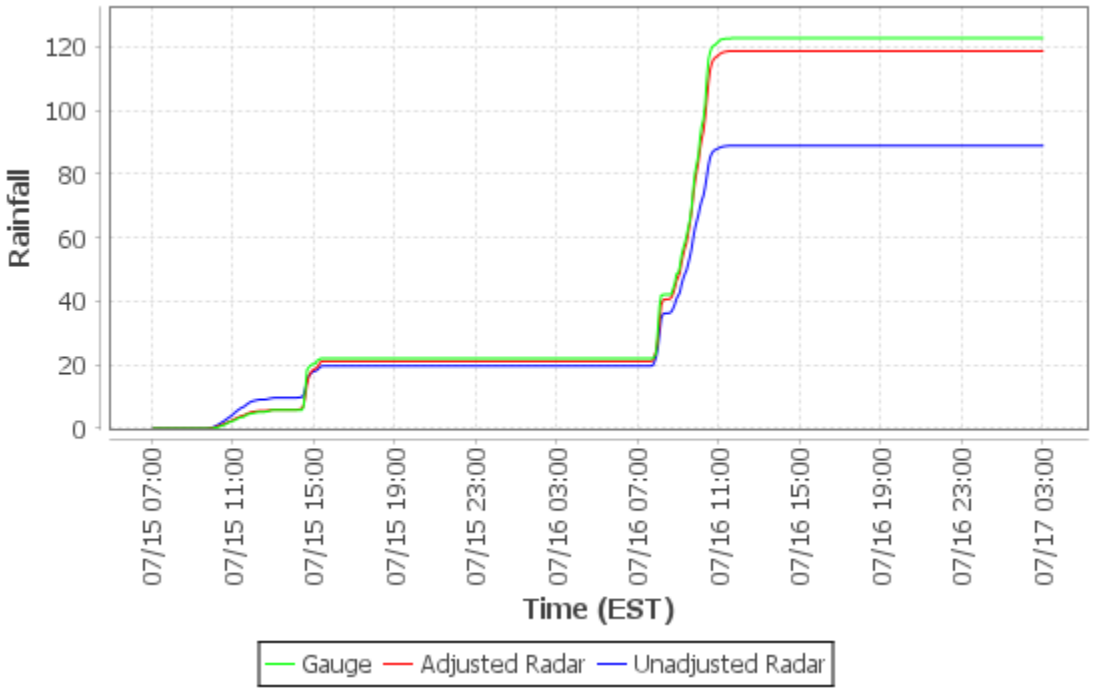
Cumulative Distribution Plot - Copper Road (Copper Road RG)



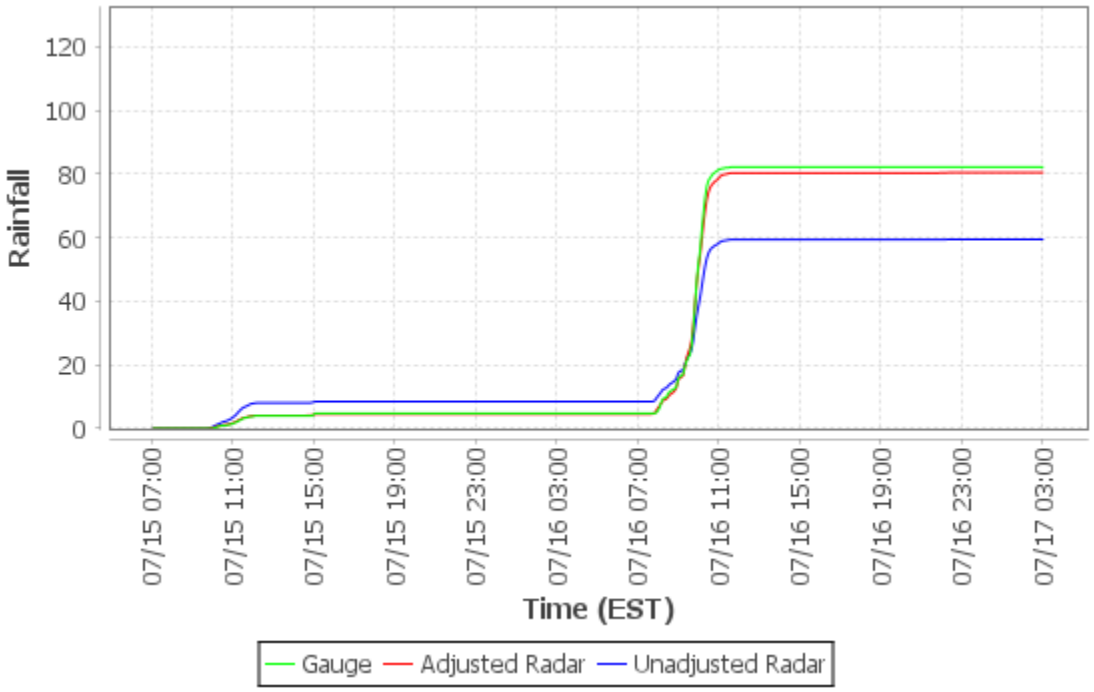
Cumulative Distribution Plot - GE Booth WWTP (GE Booth)



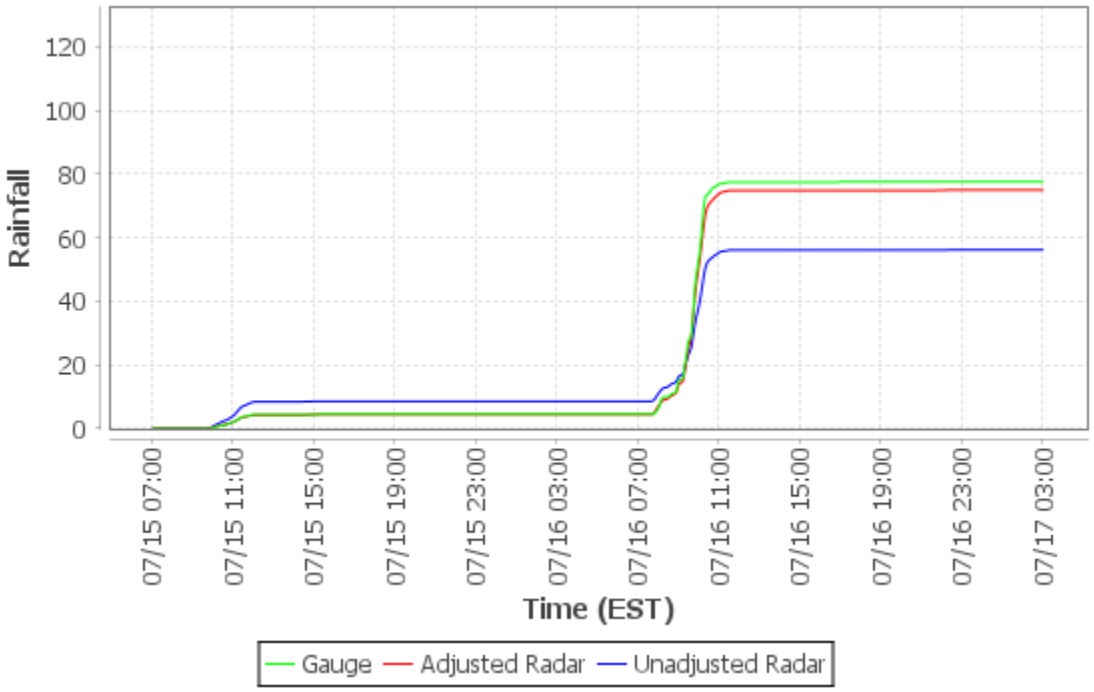
Cumulative Distribution Plot - Hanlan (RG 16)



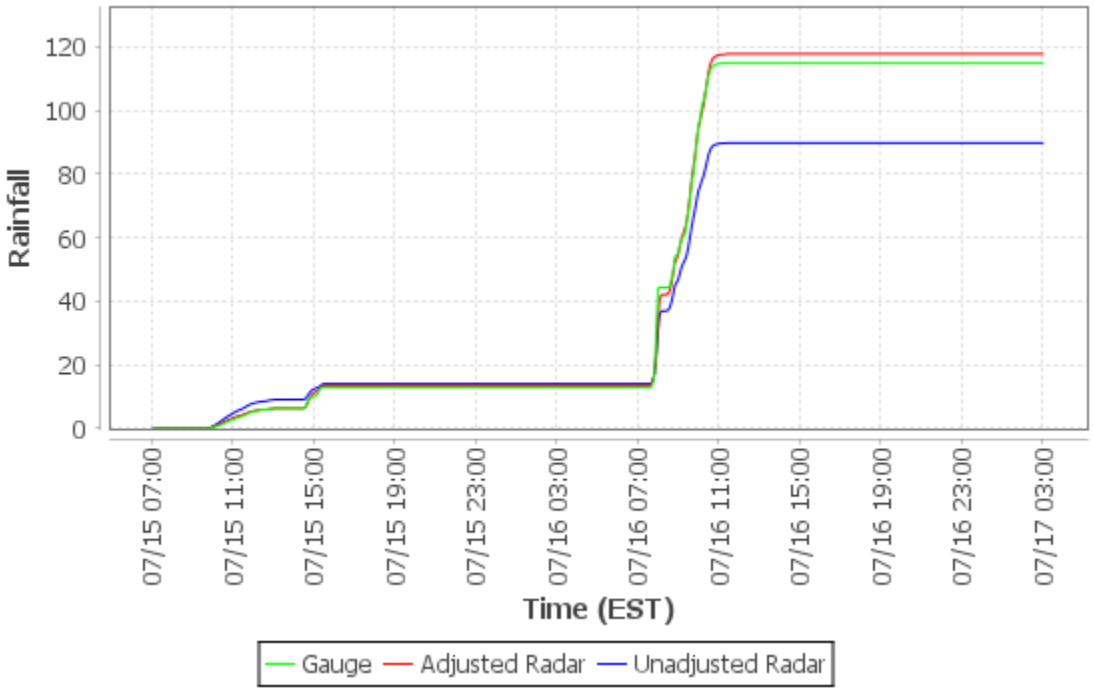
Cumulative Distribution Plot - PEEL/YORK ODOUR CONTROL (RG 20)



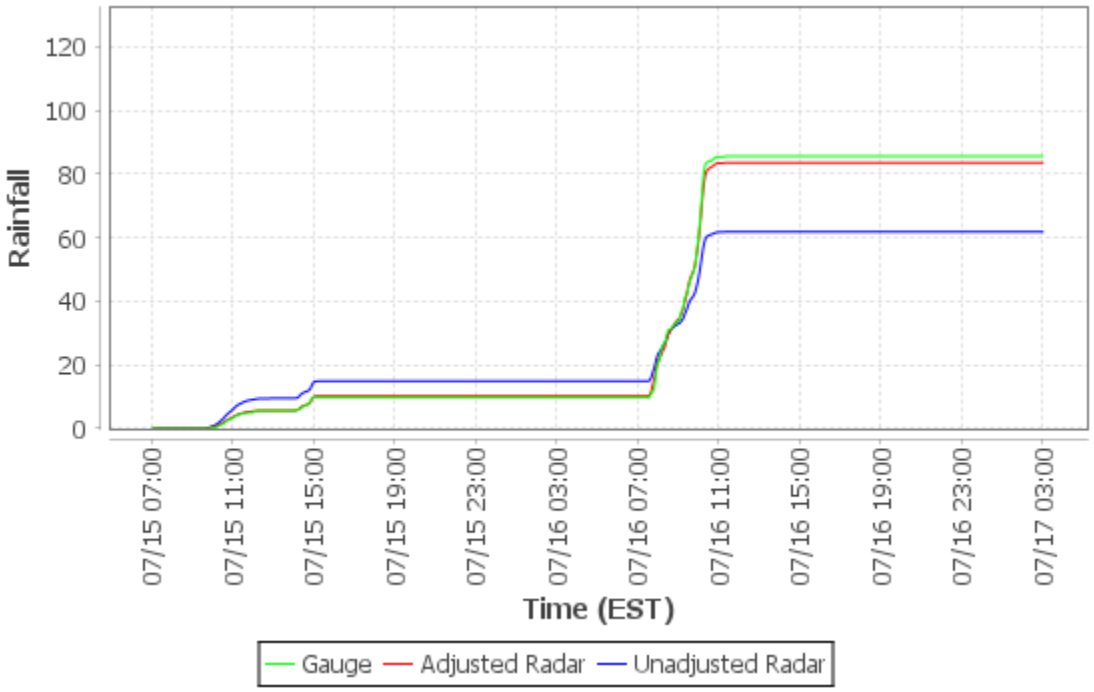
Cumulative Distribution Plot - Bramalea - Fire Station 202 (RG 22)



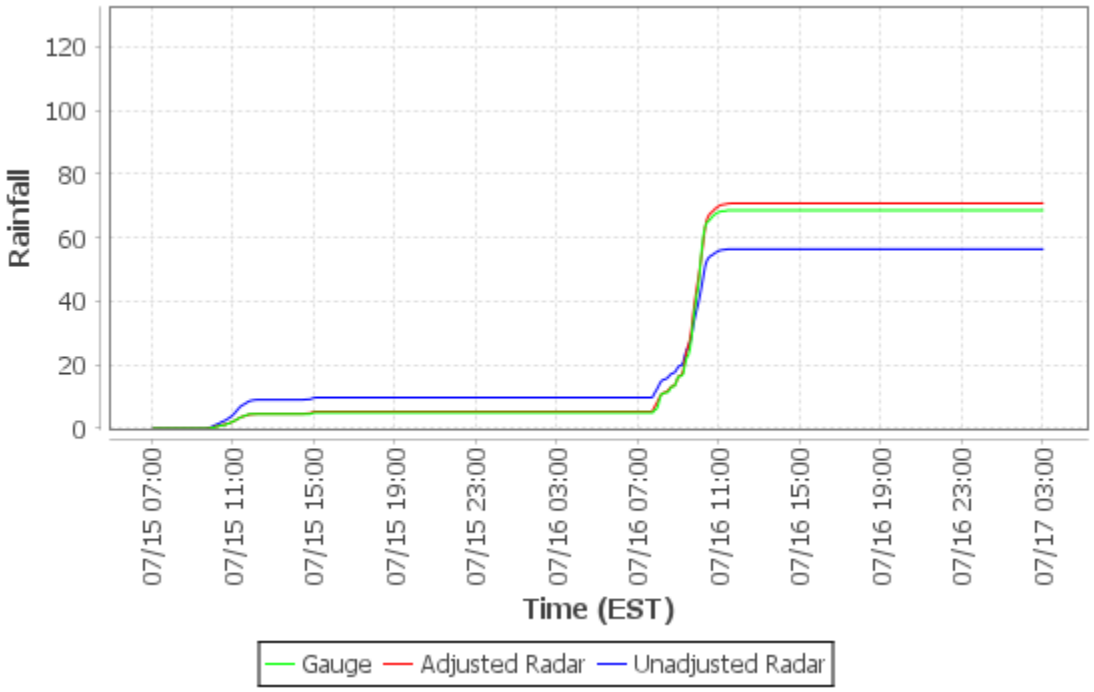
Cumulative Distribution Plot - BRITANNIA LEACHATE PUMPING (RG 23)



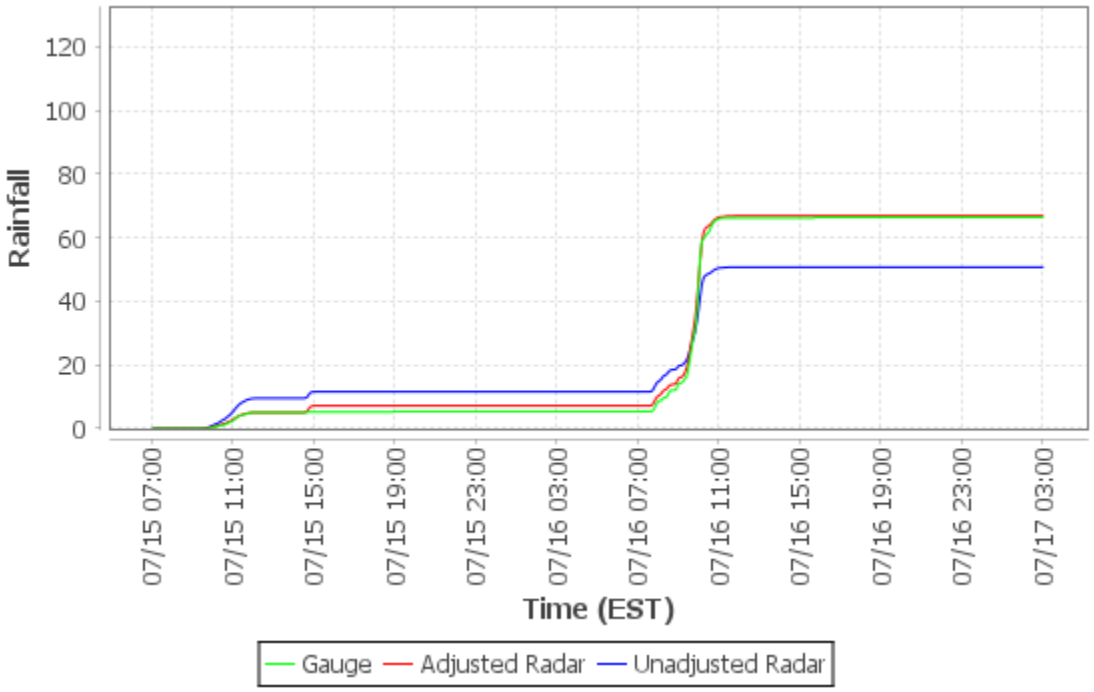
Cumulative Distribution Plot - MULLET CREEK SEWAGE (RG 24)



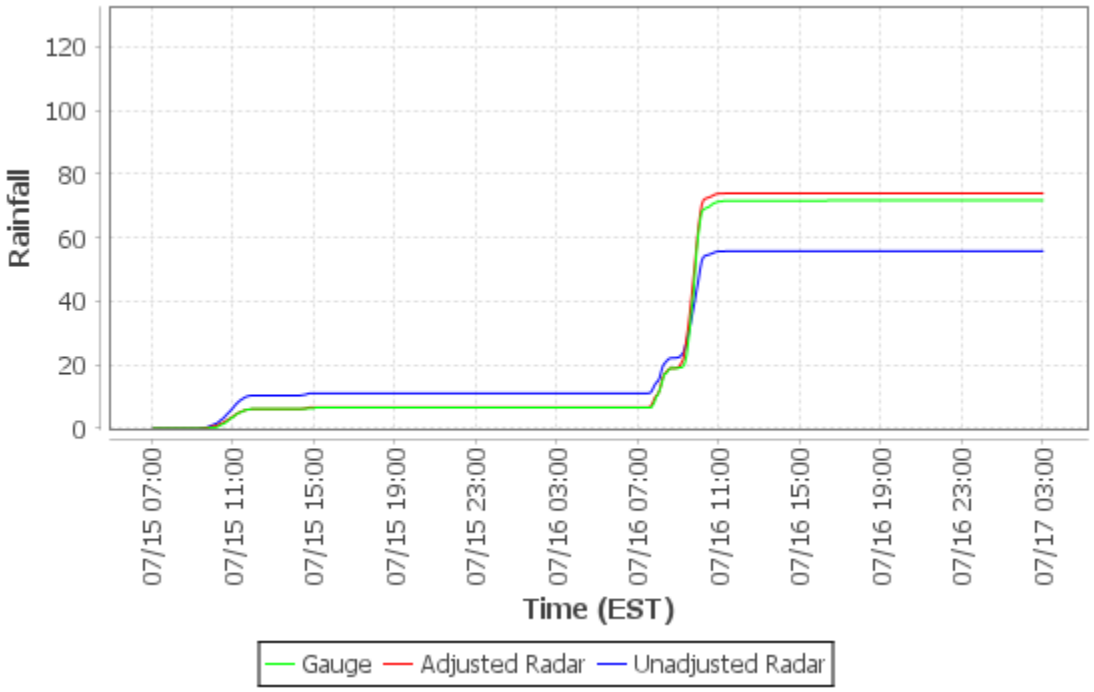
Cumulative Distribution Plot - RESERVOIR - BECKETT SPROULE (RG 25)



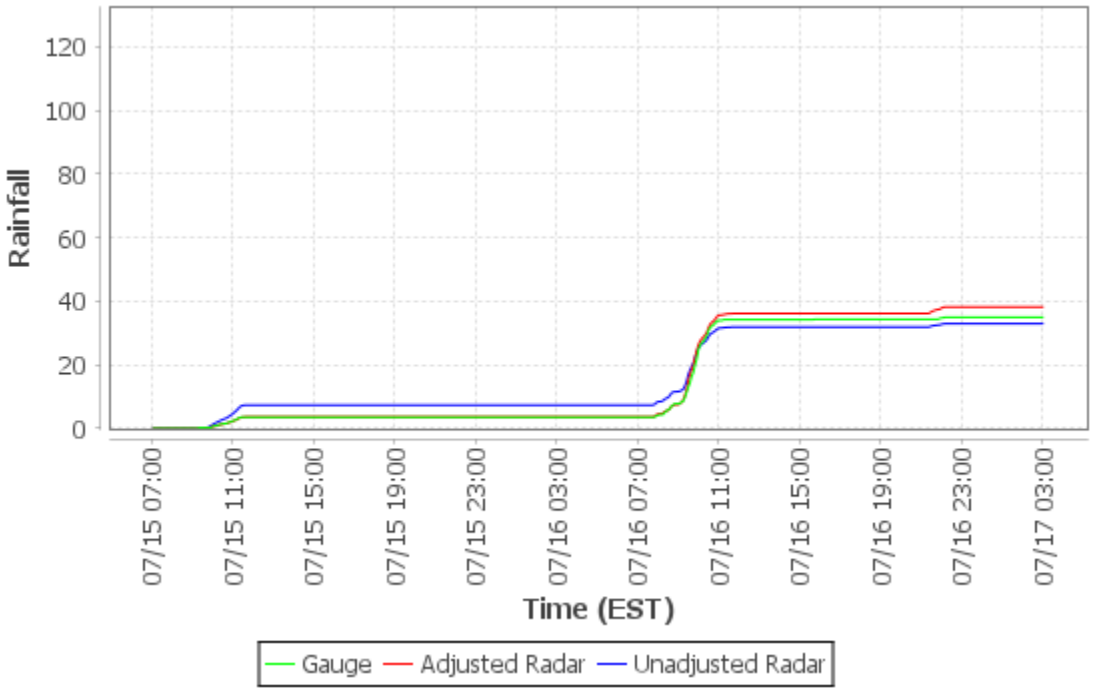
Cumulative Distribution Plot - McLaughlin - Chris Gibson Recreation Centre (RG 26)



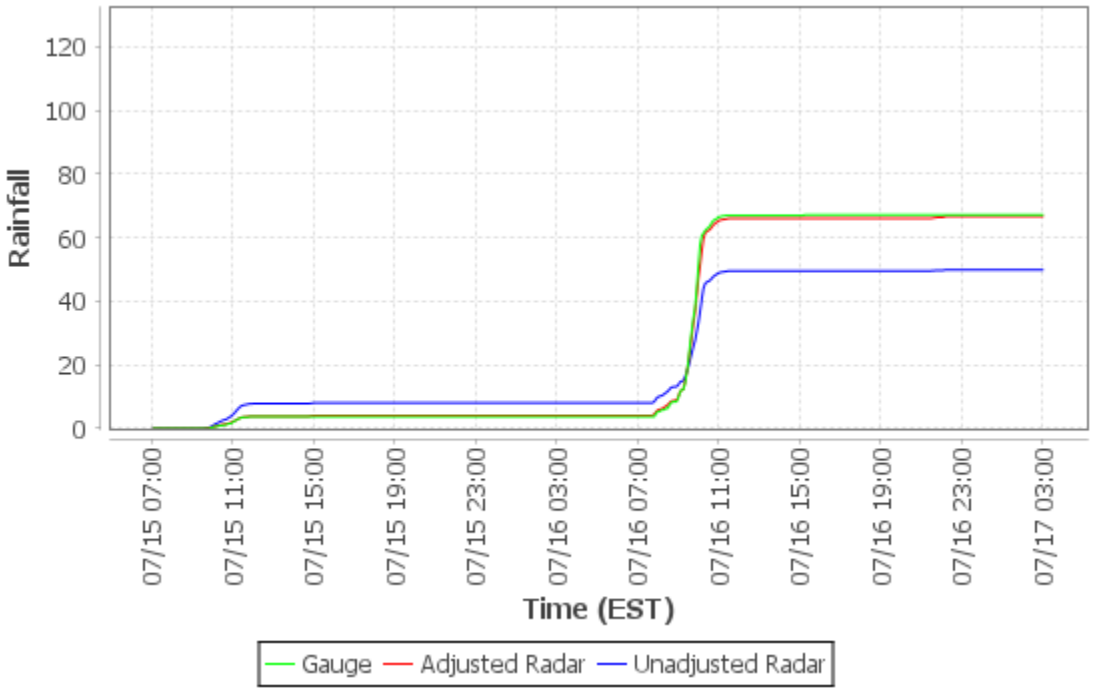
Cumulative Distribution Plot - RESERVOIR - WEST BRAMPTON (RG 27)



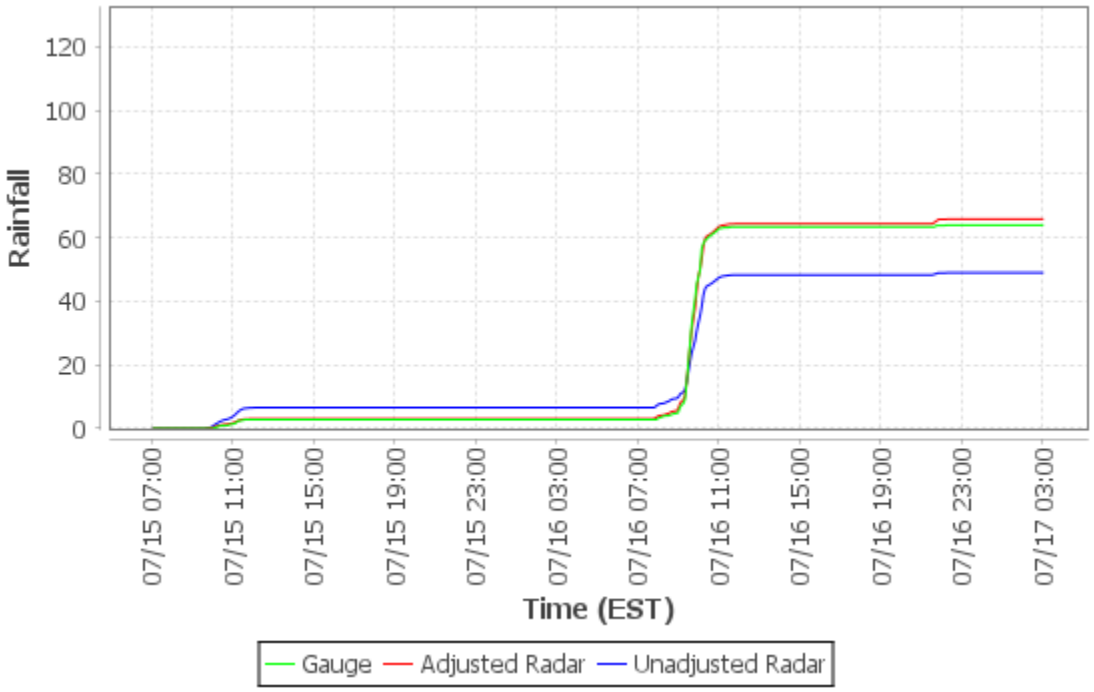
Cumulative Distribution Plot - RESERVOIR - NORTH BRAMPTON (RG 29)



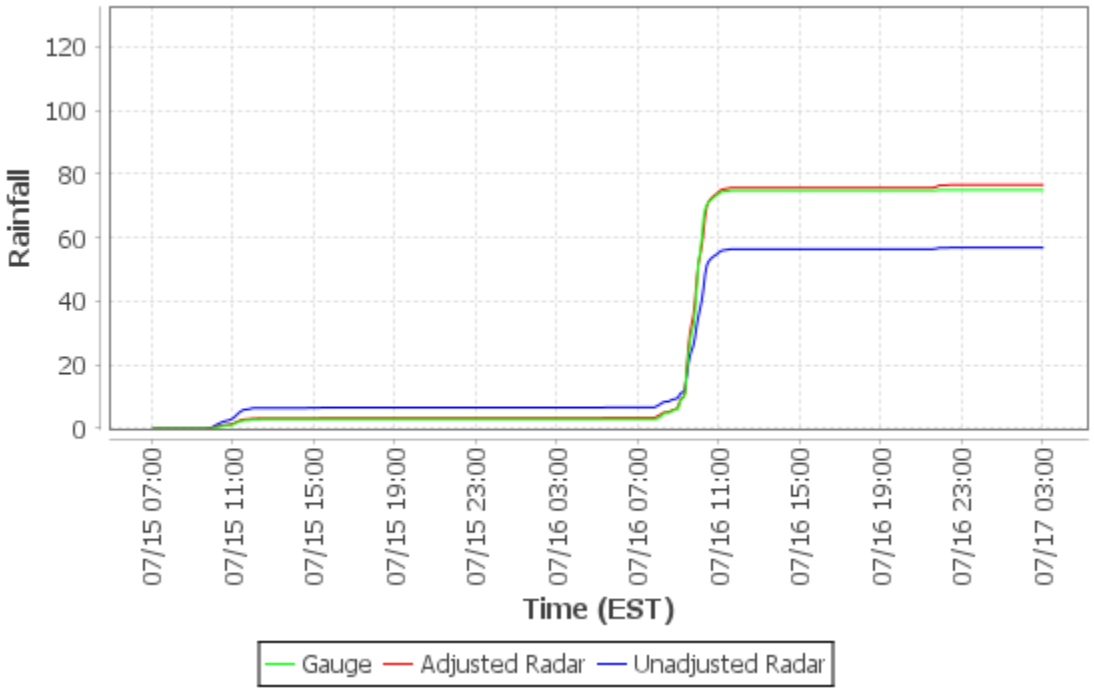
Cumulative Distribution Plot - East Brampton Res (RG 31)



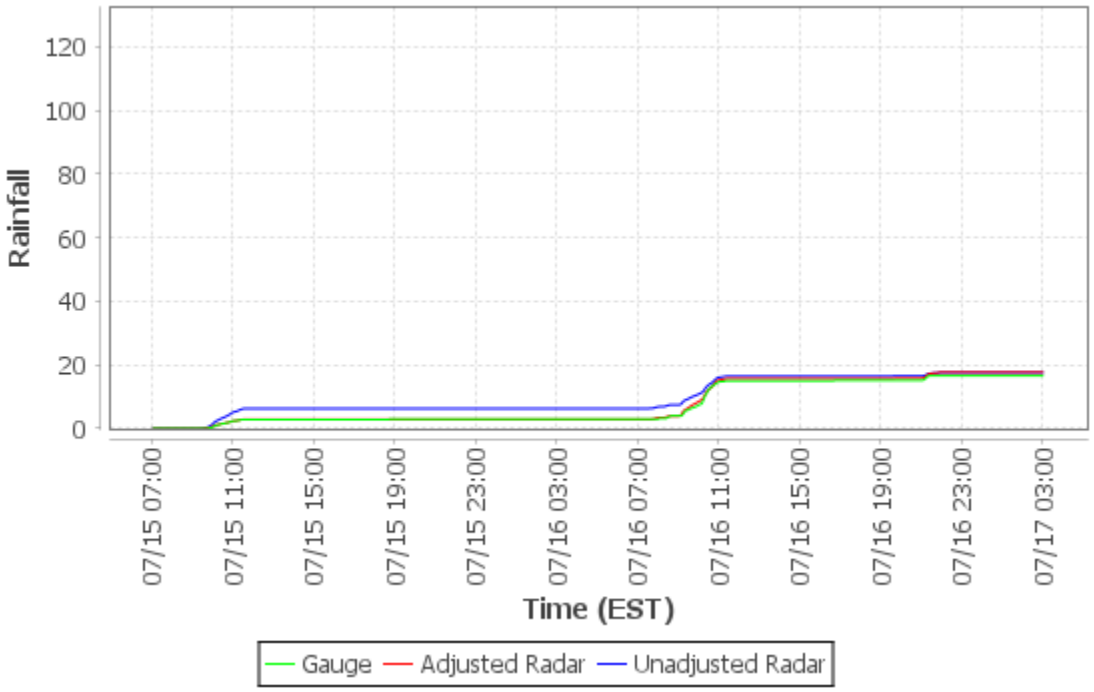
Cumulative Distribution Plot - RESERVOIR - AIRPORT (RG 32)



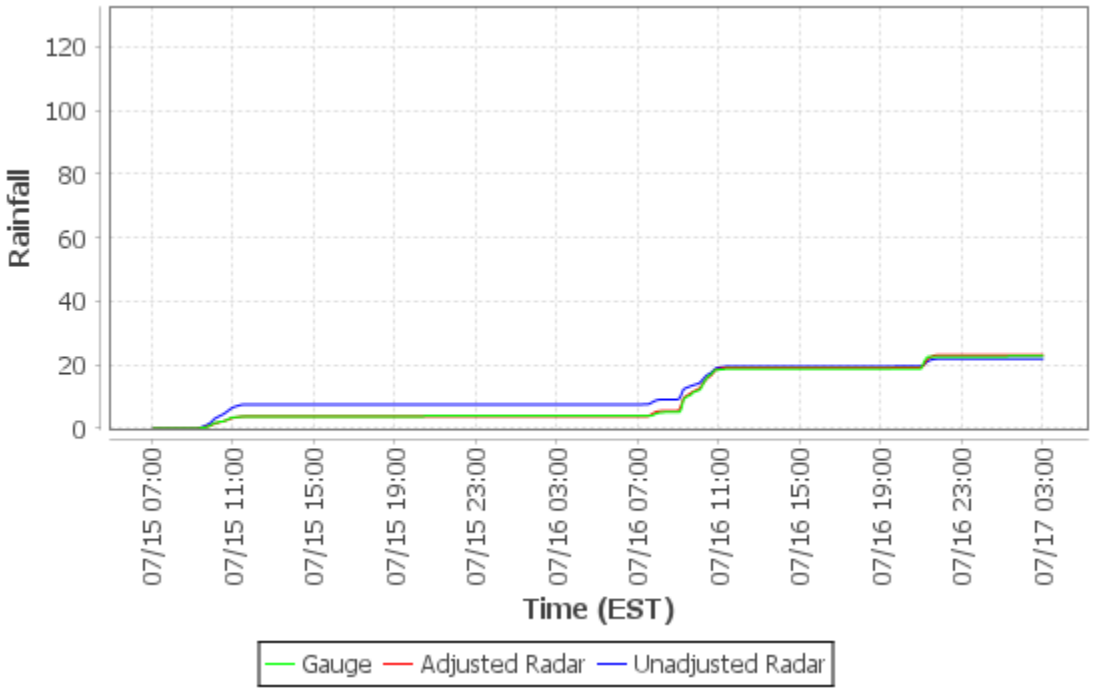
Cumulative Distribution Plot - MCVEAN SEWAGE PUMPING (RG 34)



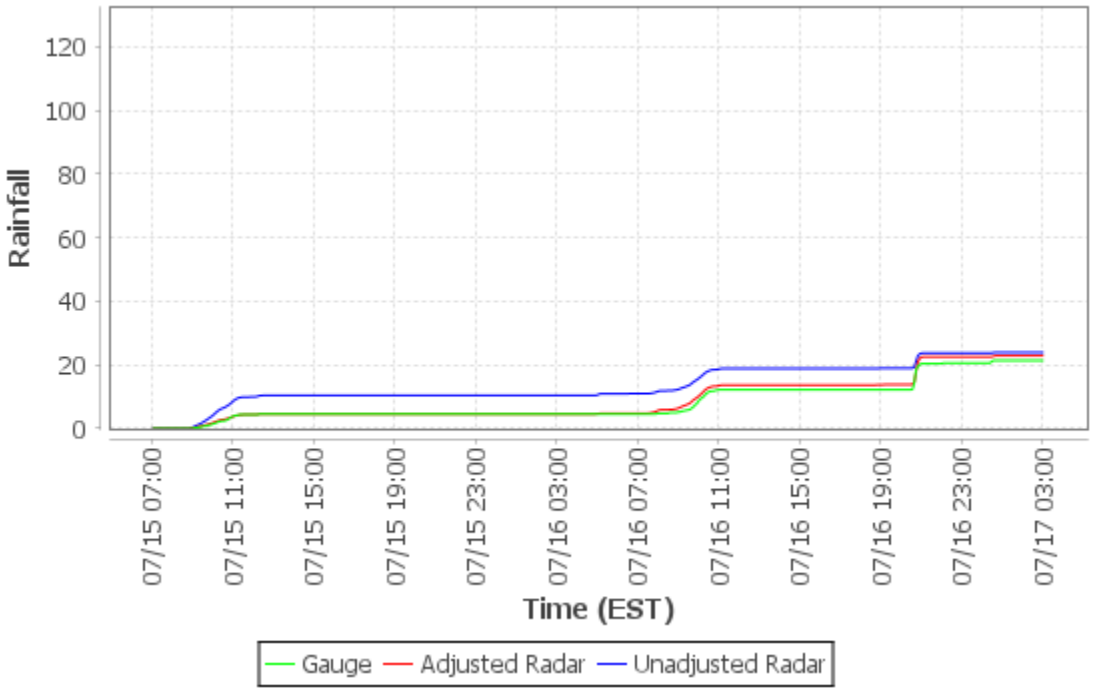
Cumulative Distribution Plot - CHINGUACOUSY LEACHATE PUMPING (RG 36)



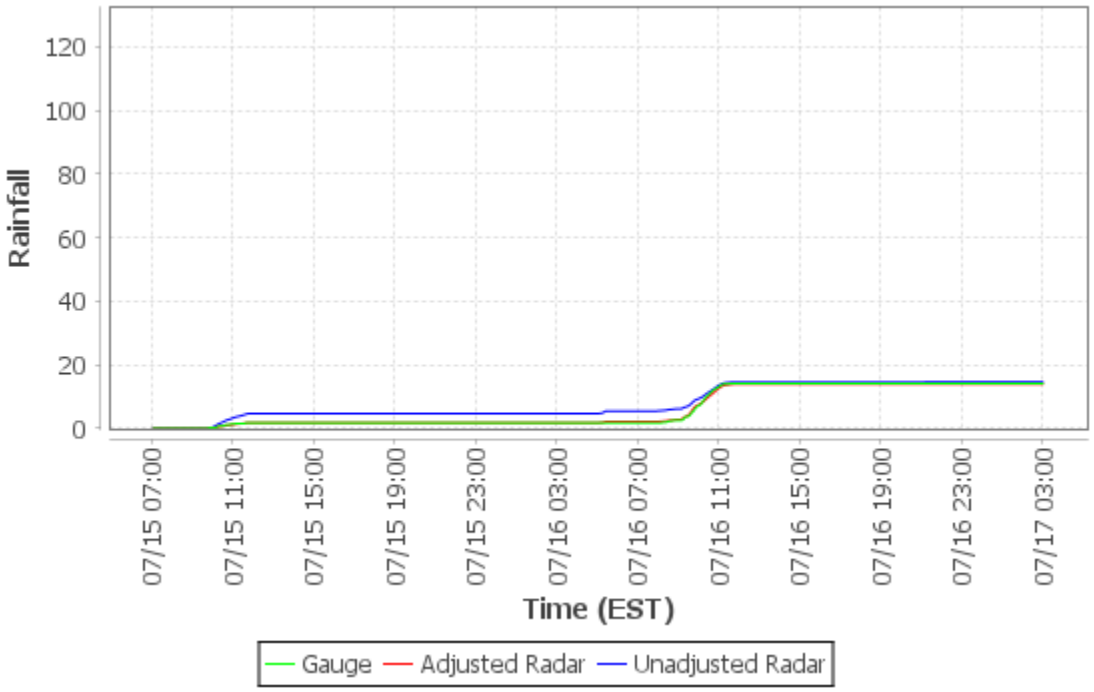
Cumulative Distribution Plot - Inglewood Pumping Stn (RG 39)



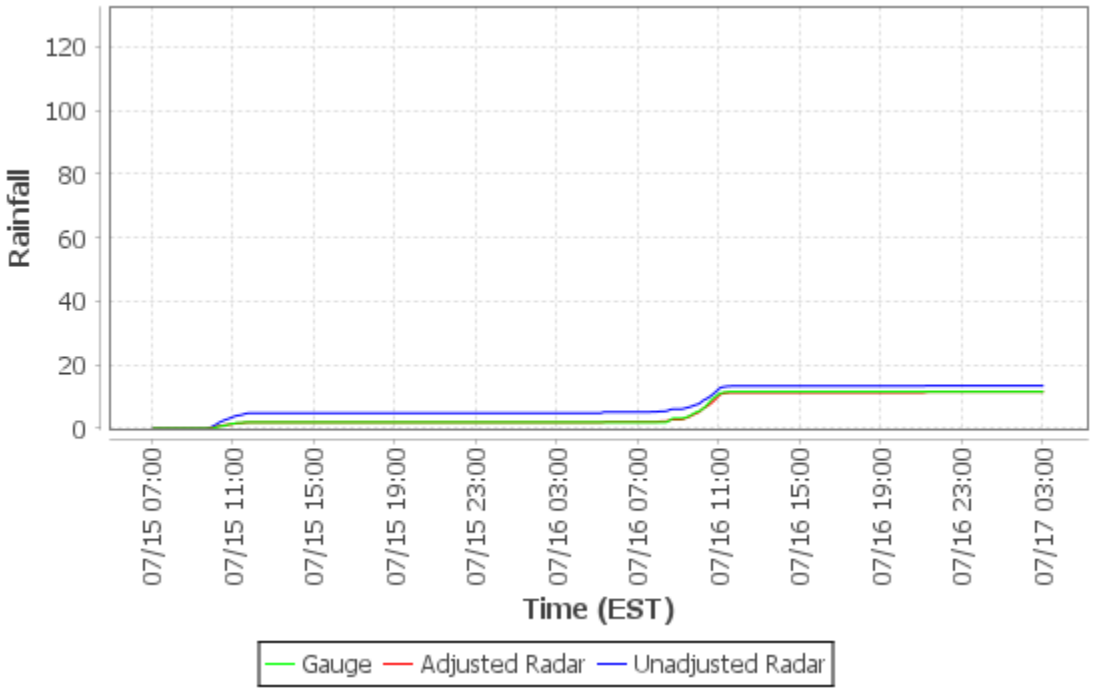
Cumulative Distribution Plot - Caledon Reservoir (RG 42)



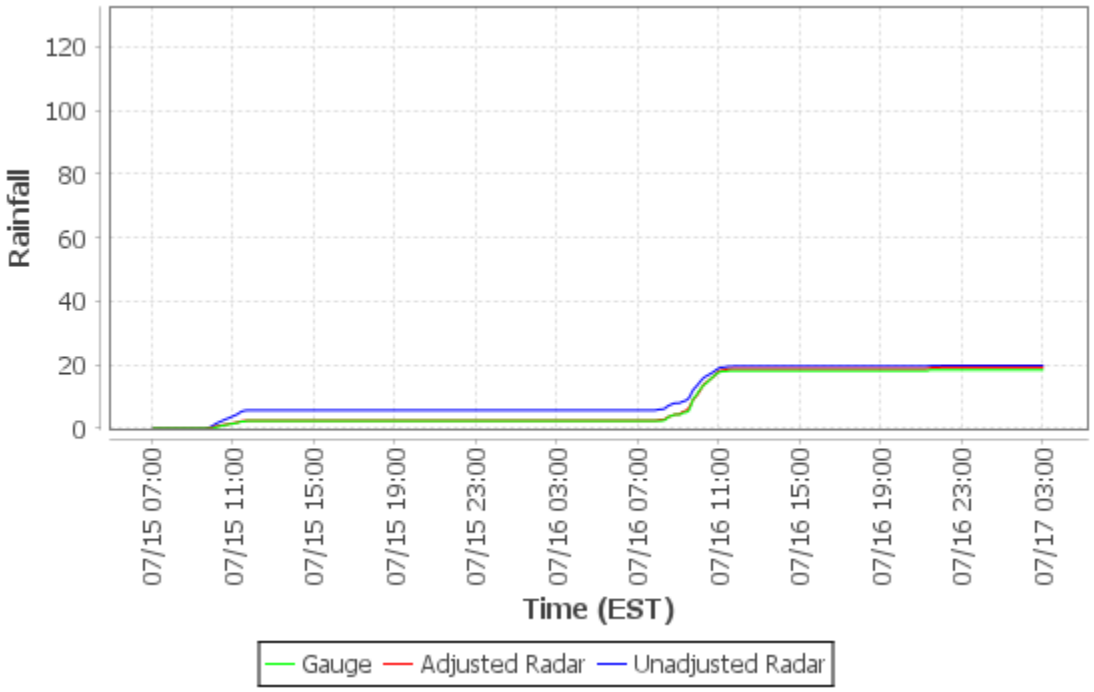
Cumulative Distribution Plot - Bolton Recycle Center (RG 45)



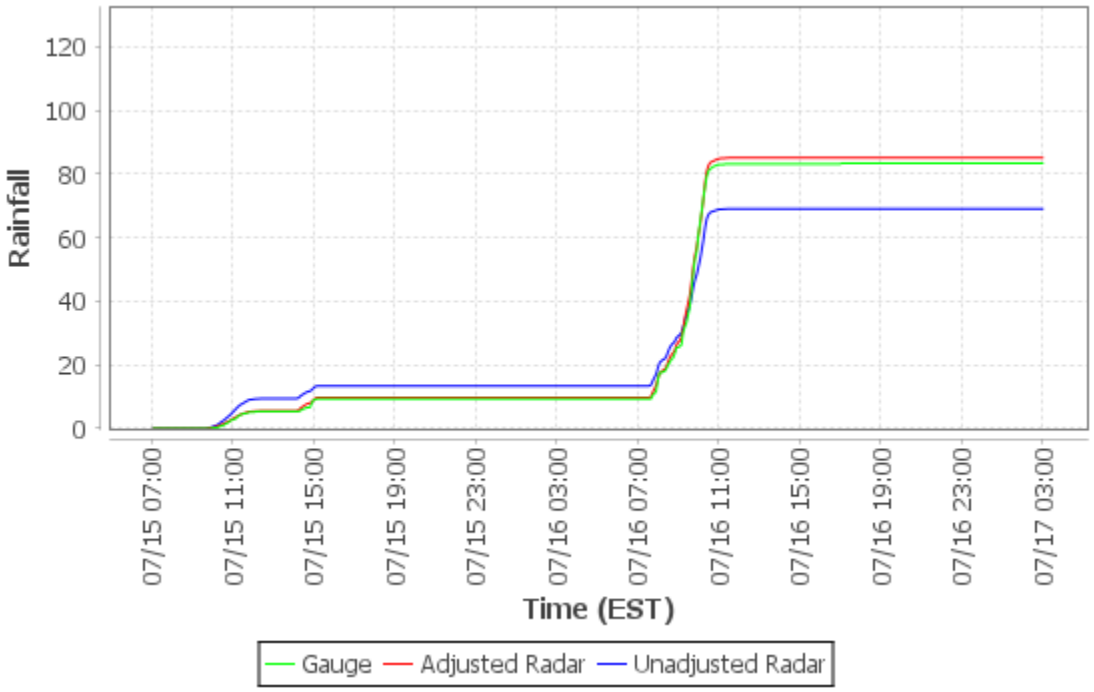
Cumulative Distribution Plot - St. Nicholas (RG 46)



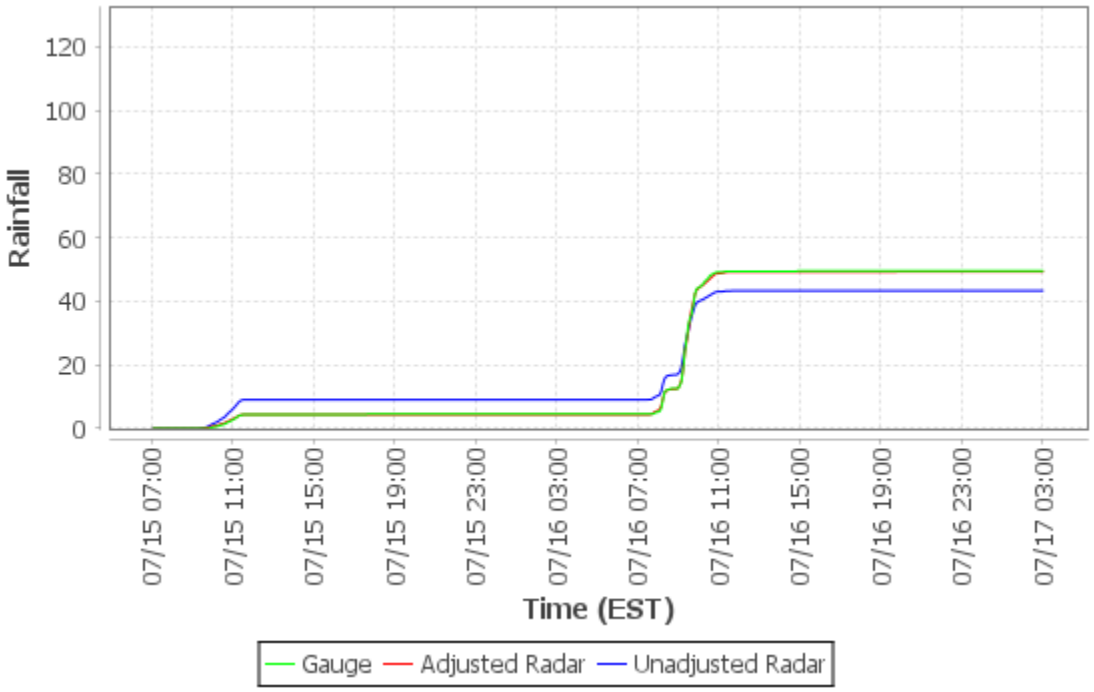
Cumulative Distribution Plot - TULLAMORE RESERVOIR (RG 59)



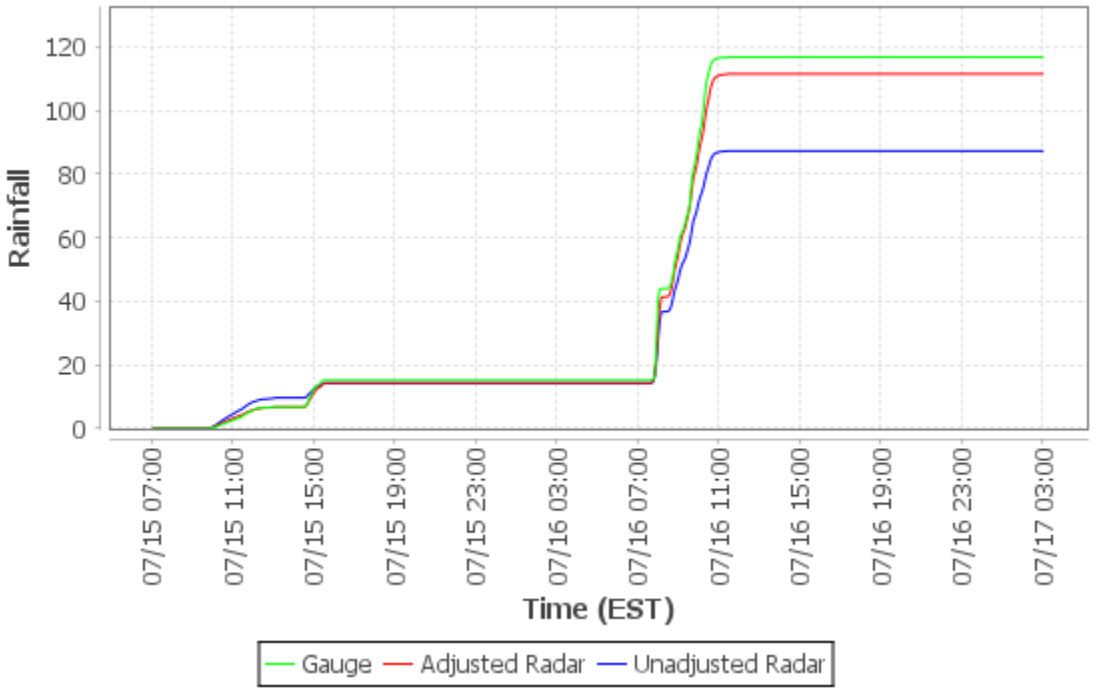
Cumulative Distribution Plot - PAULINE VANIER (RG 60)



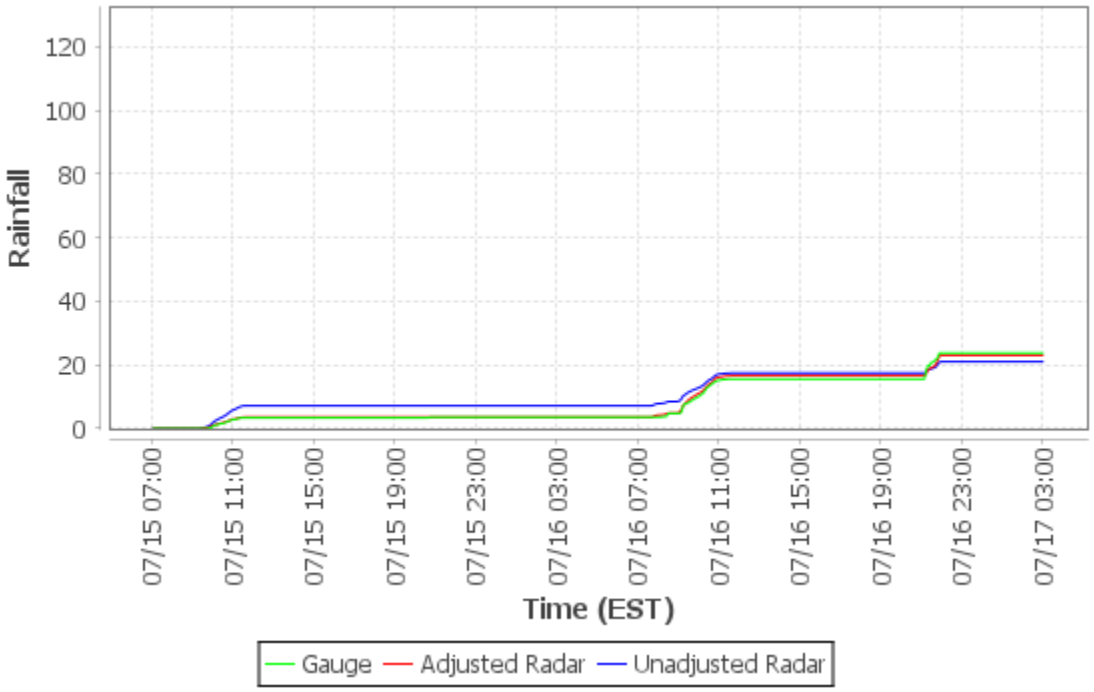
Cumulative Distribution Plot - Alloa Reservoir RG (RG 62)



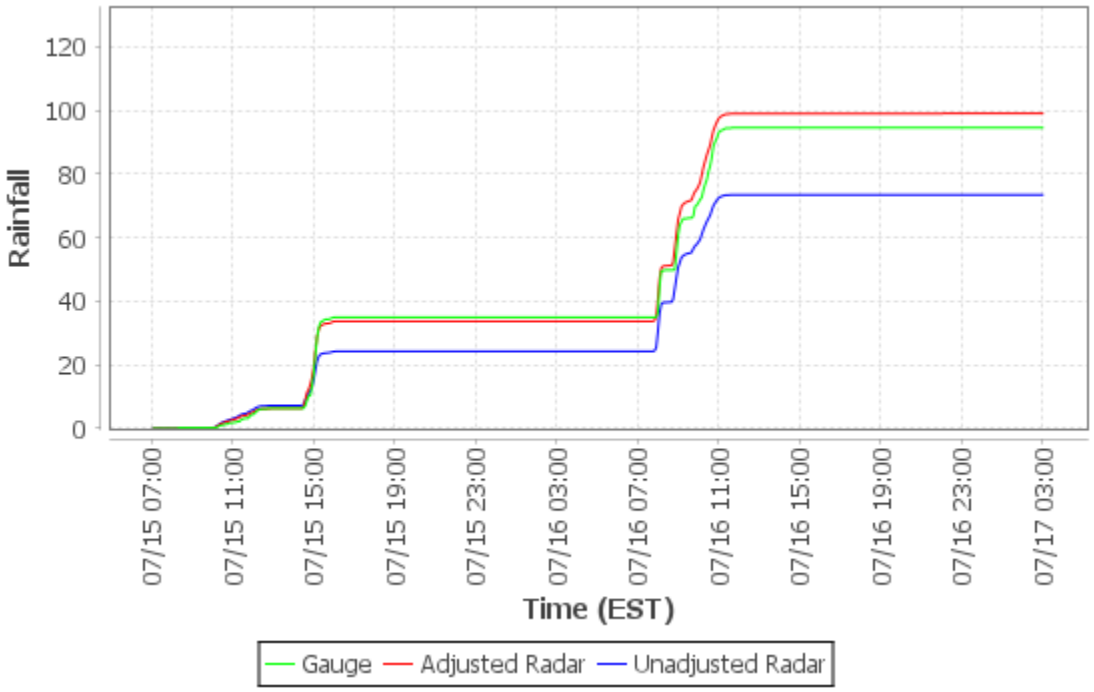
Cumulative Distribution Plot - St. Hilary Elementary School (St. Hilary)



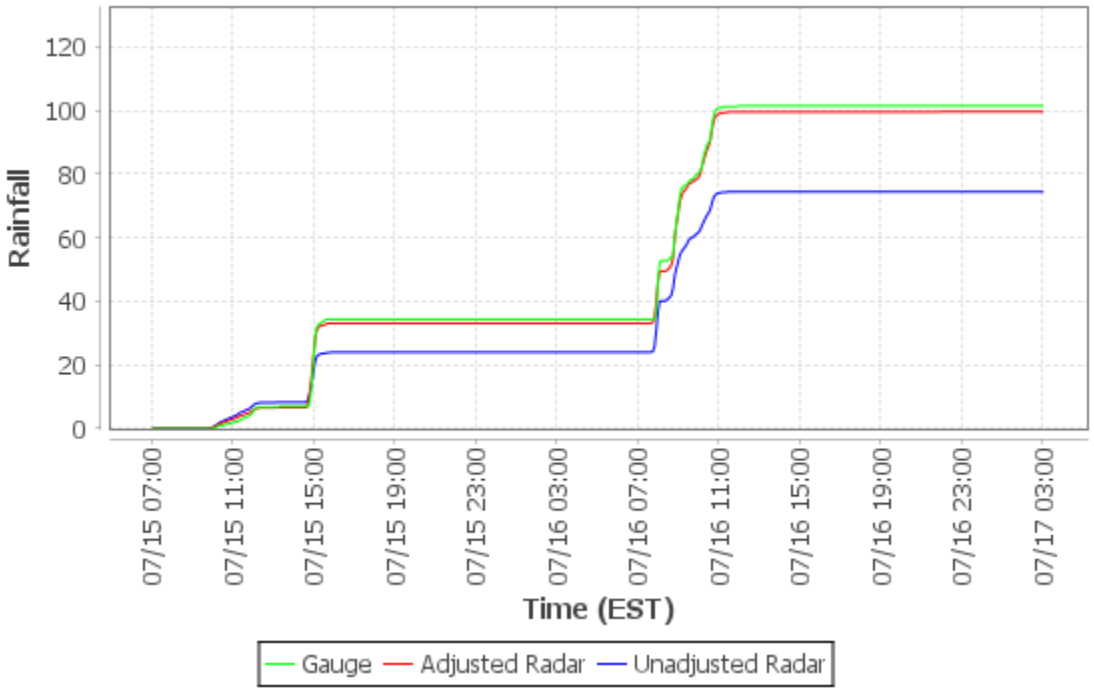
Cumulative Distribution Plot - Victoria Yard (Victoria Yard)



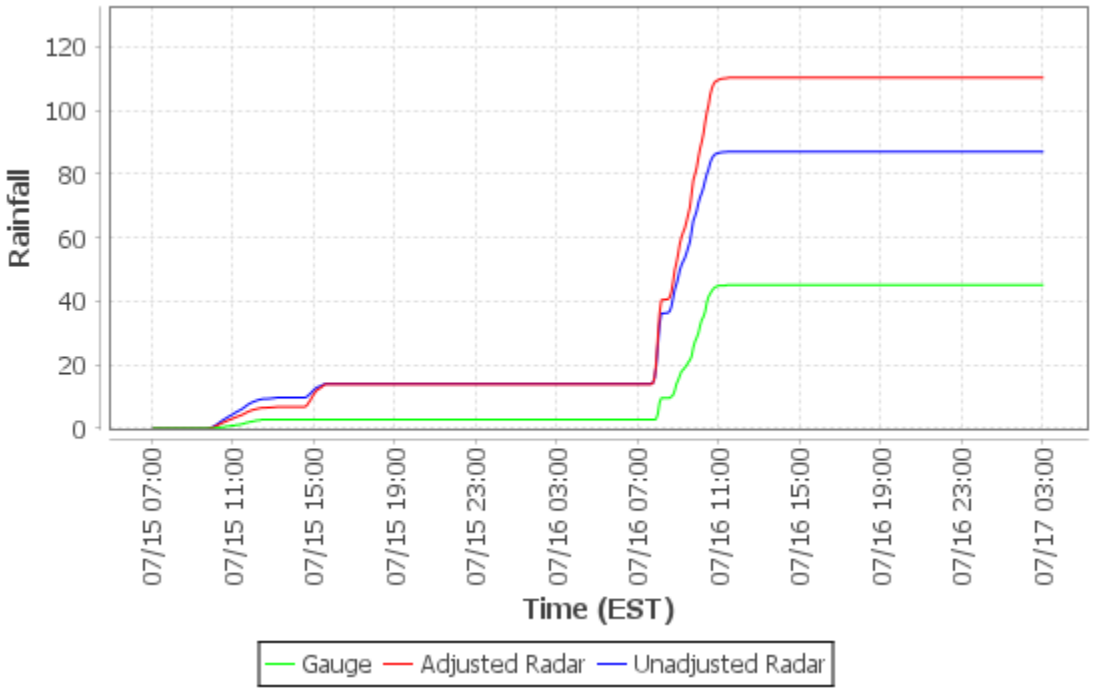
Cumulative Distribution Plot - Lakeview (STN 01)



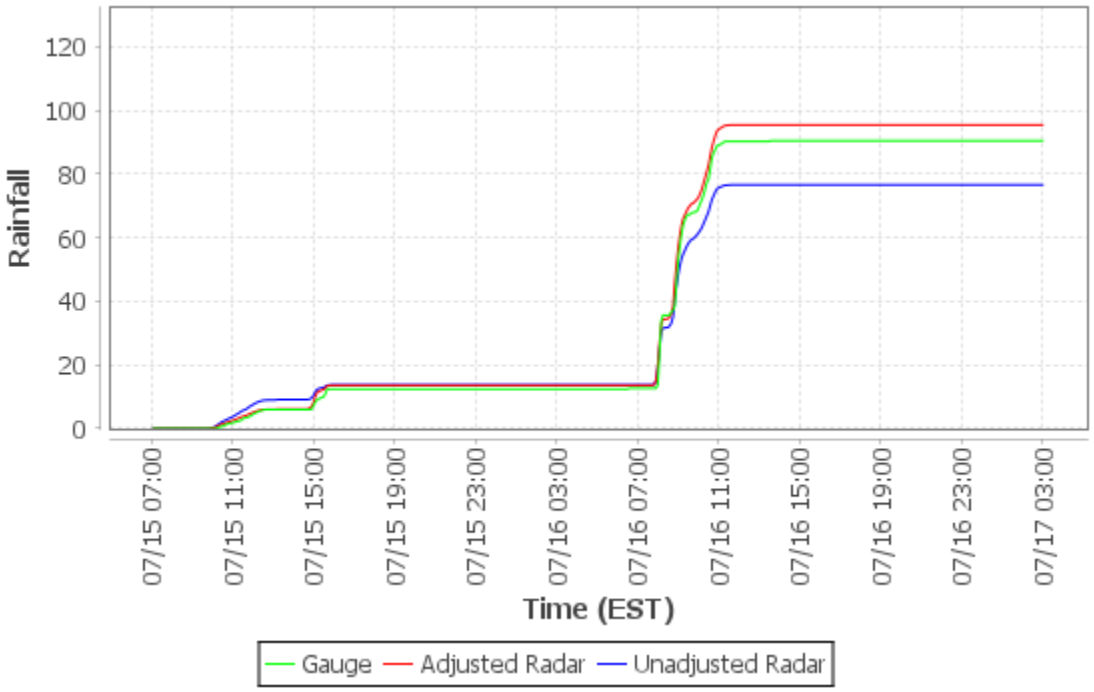
Cumulative Distribution Plot - Wolfedale (STN 03)



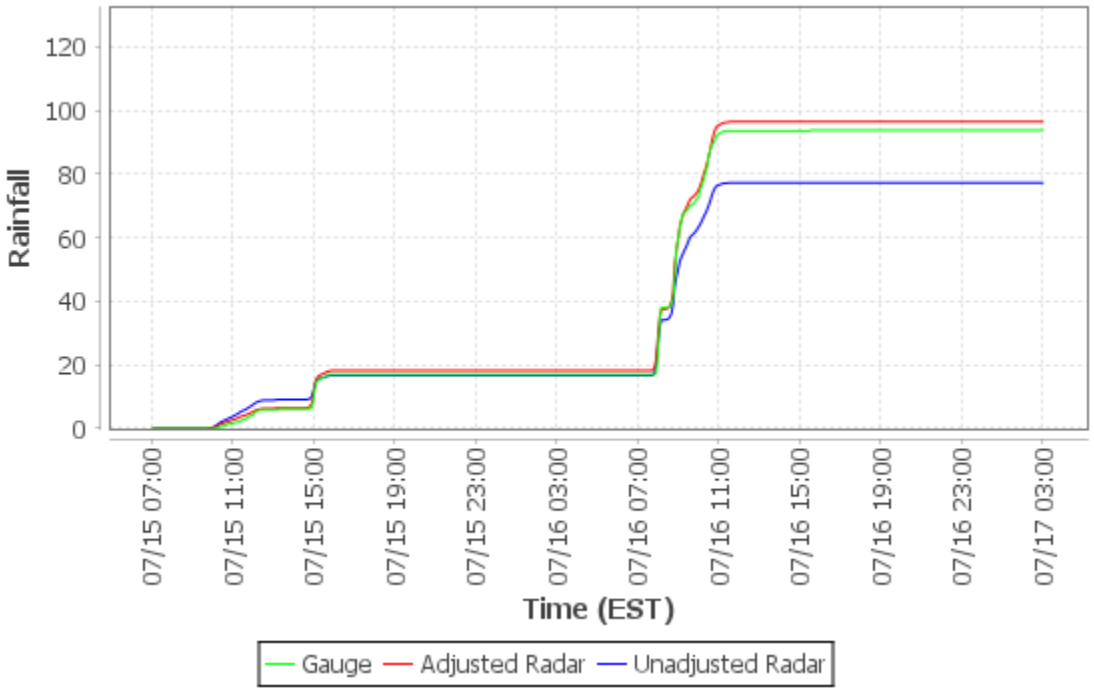
Cumulative Distribution Plot - Mississauga Central (STN 04)



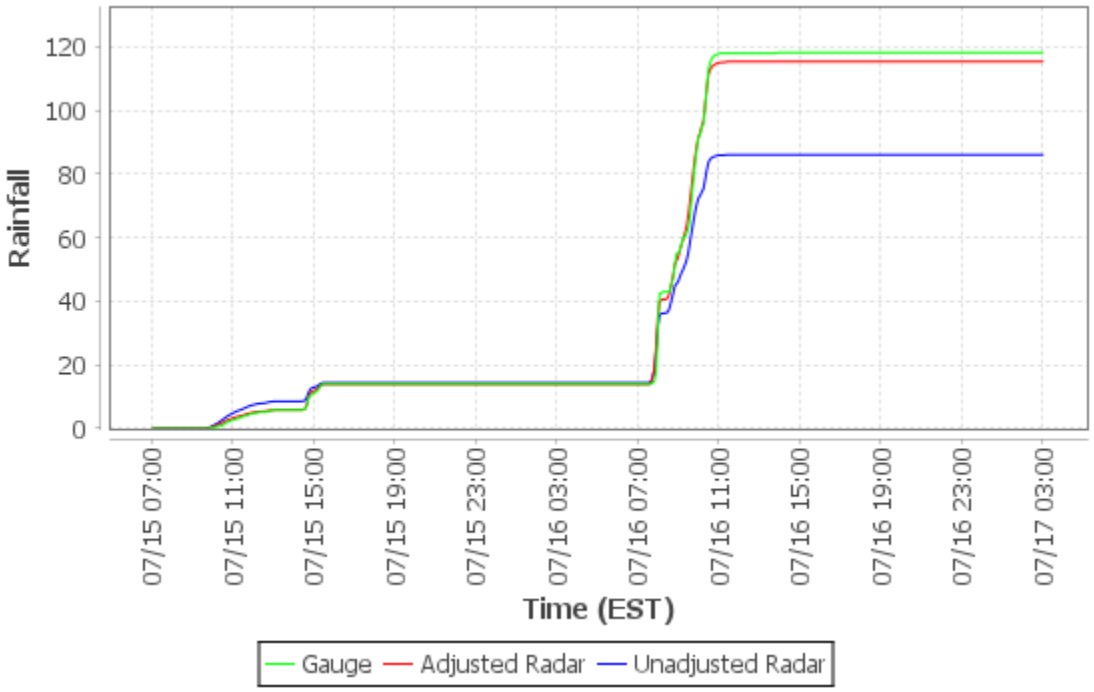
Cumulative Distribution Plot - Winding Trail (STN 05)



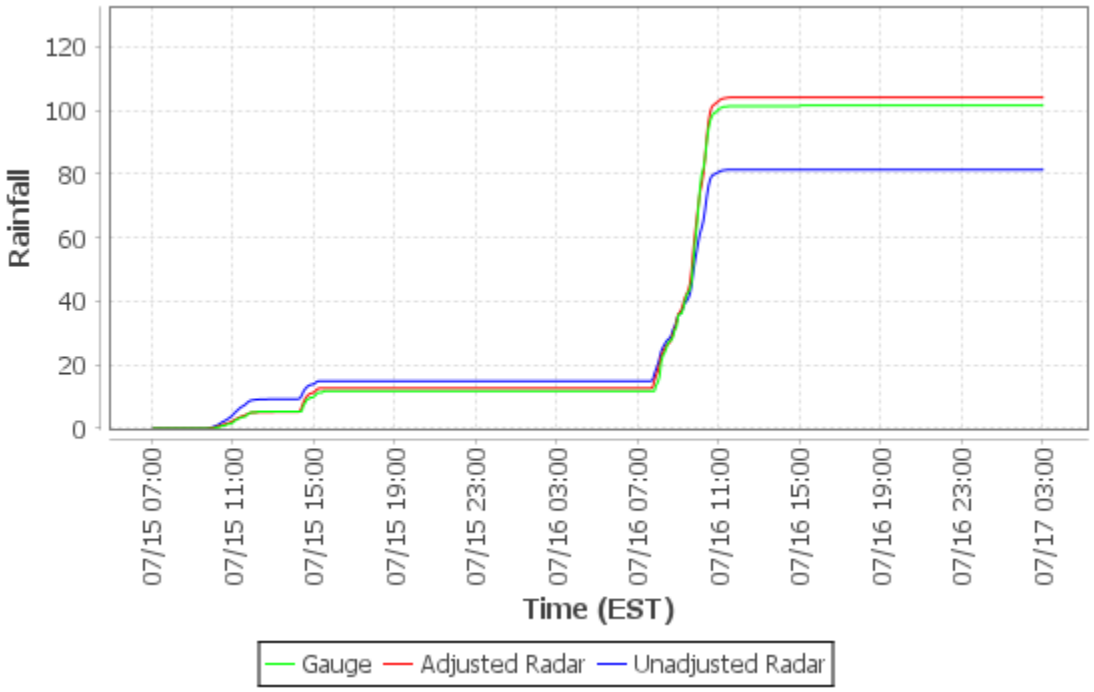
Cumulative Distribution Plot - Mississauga Valley (STN 06)



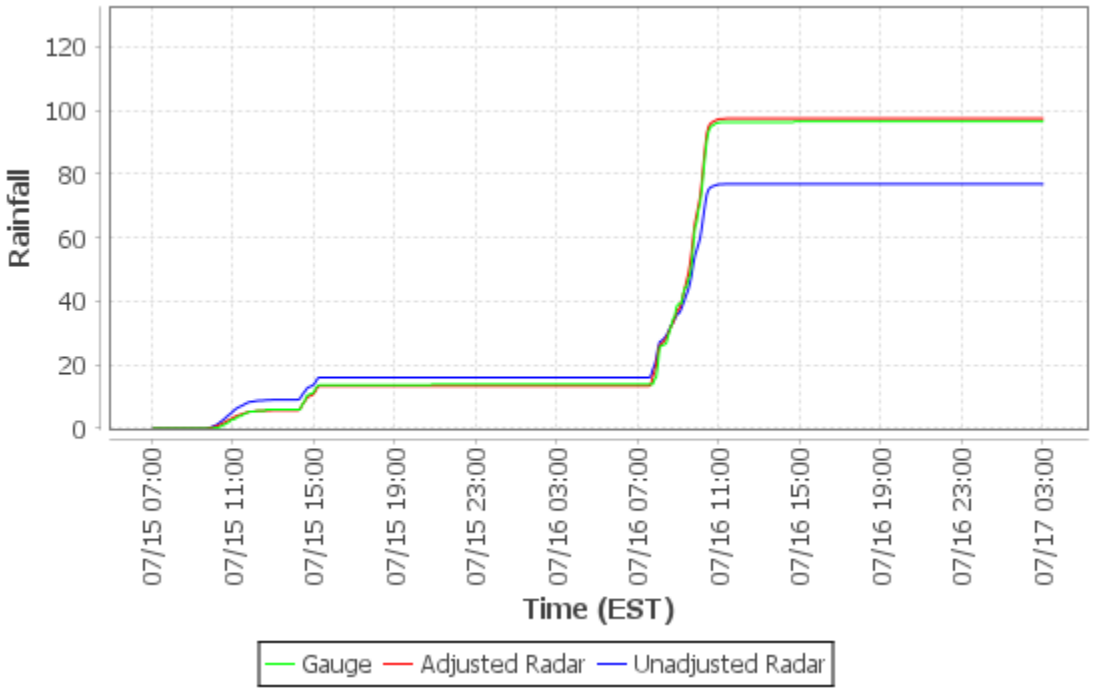
Cumulative Distribution Plot - Streetsville (STN 07)



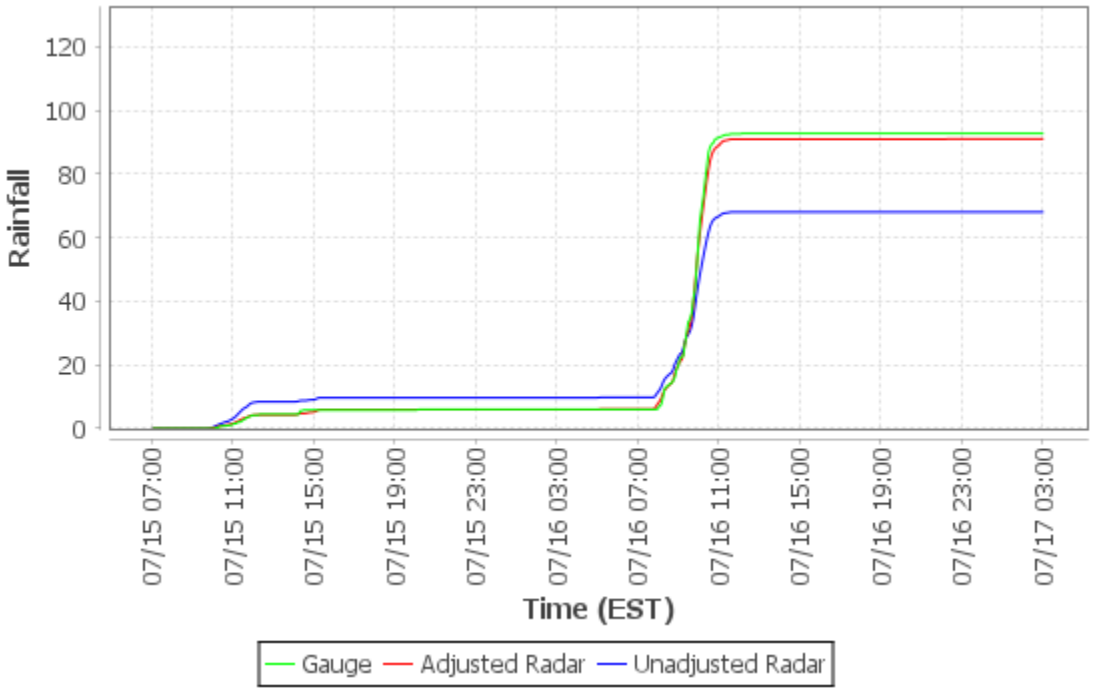
Cumulative Distribution Plot - Tomken (STN 08)



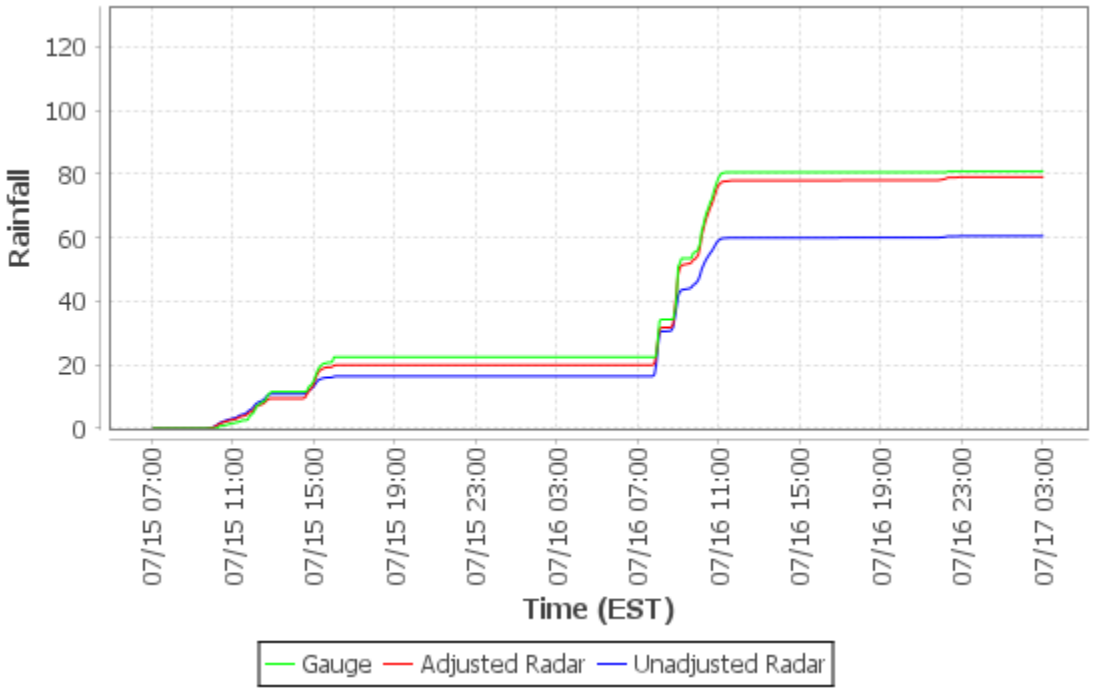
Cumulative Distribution Plot - CVC (STN 12)



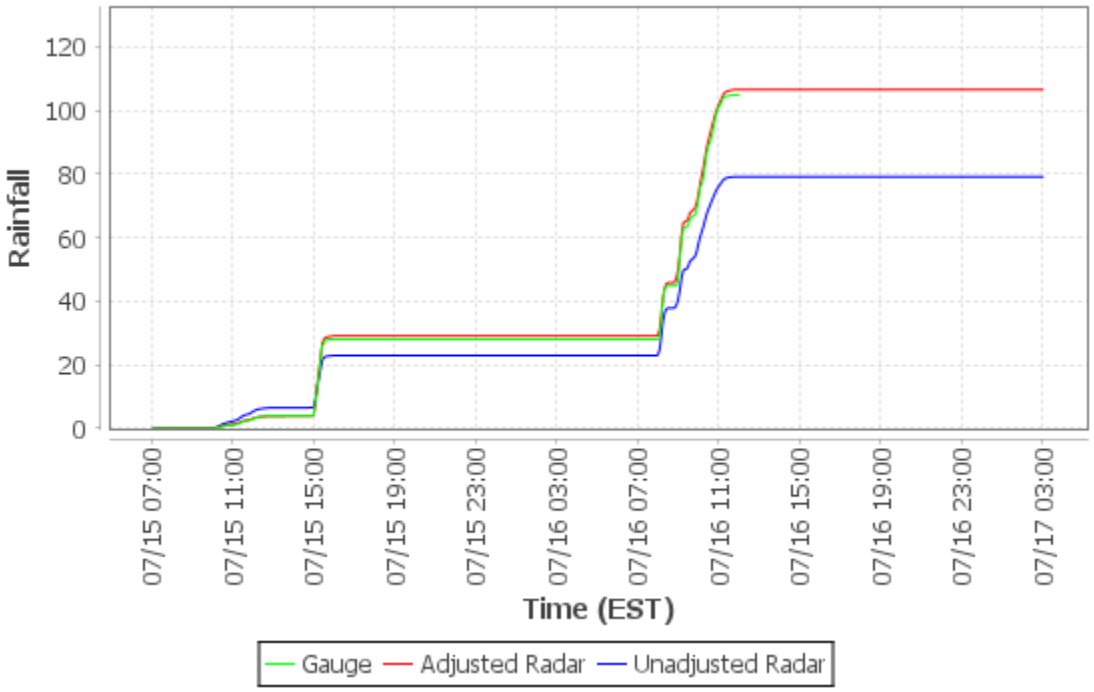
Cumulative Distribution Plot - Goreway (STN 13)



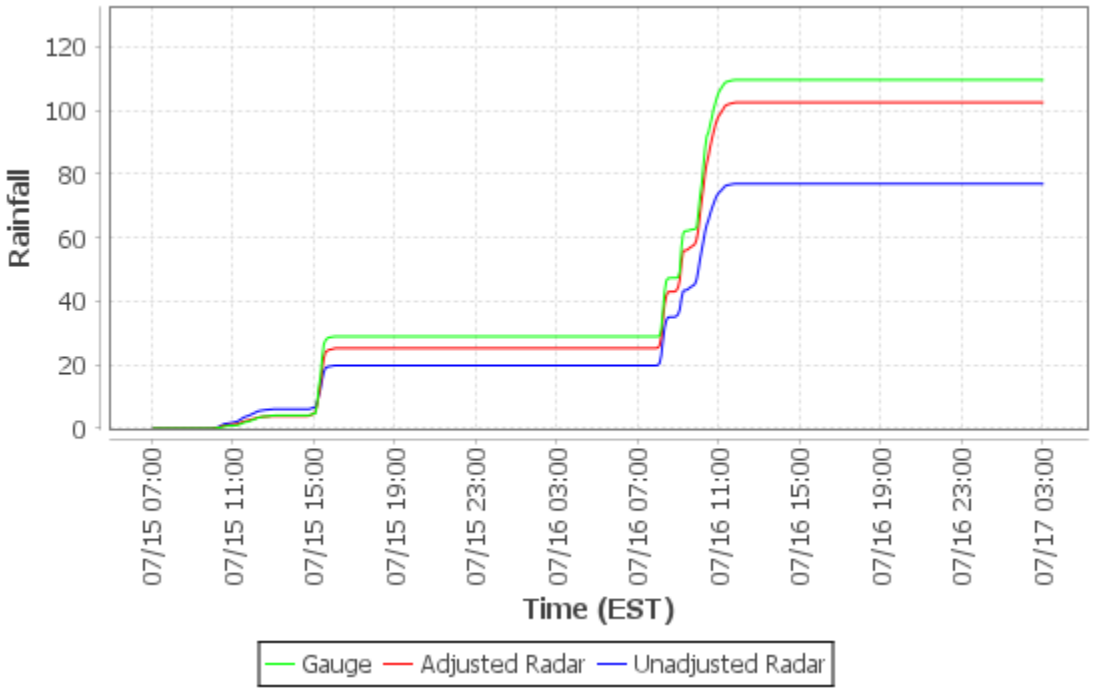
Cumulative Distribution Plot - Port Credit (STN 14)



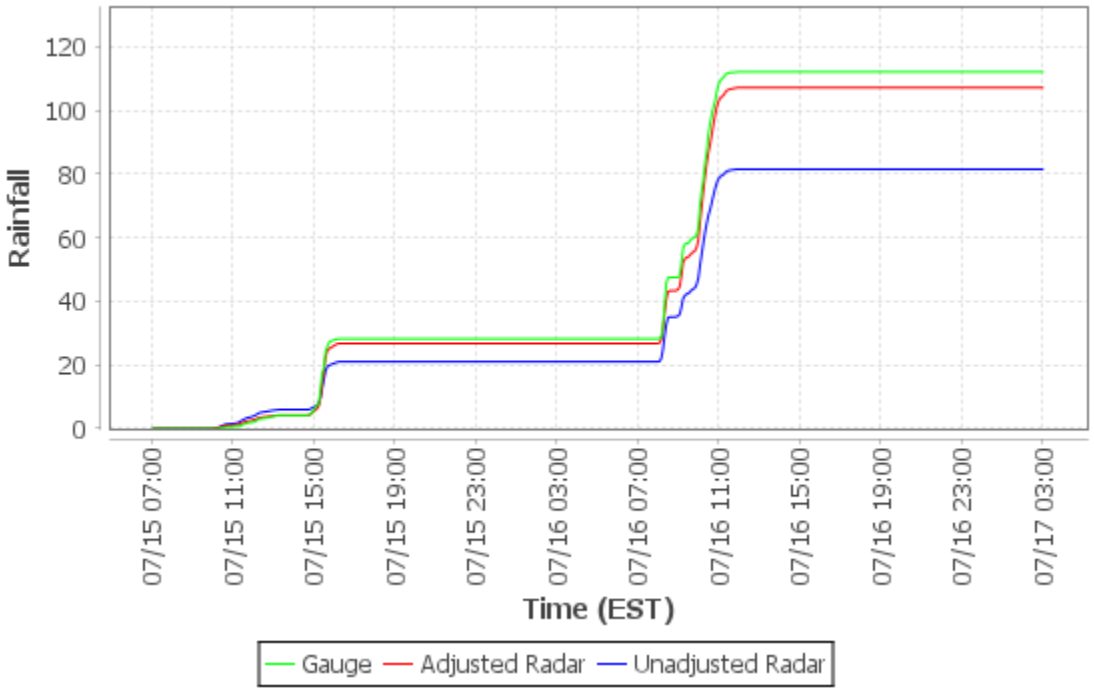
Cumulative Distribution Plot - Swansea Hall (TOR_RG-001)



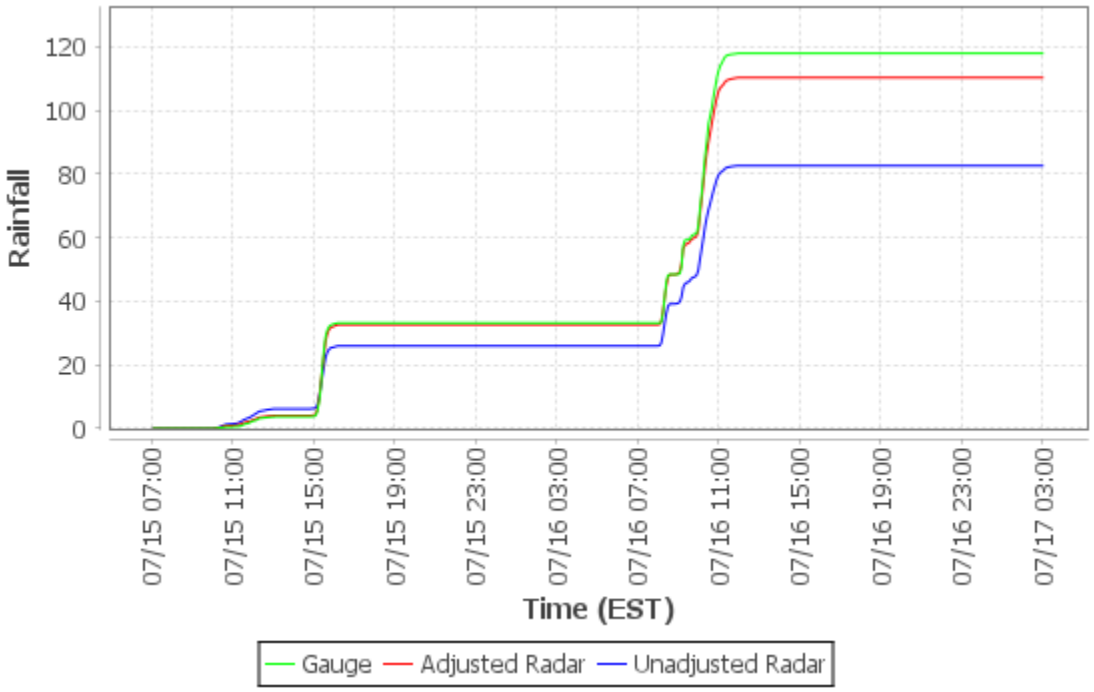
Cumulative Distribution Plot - High Park (TOR_RG-002)



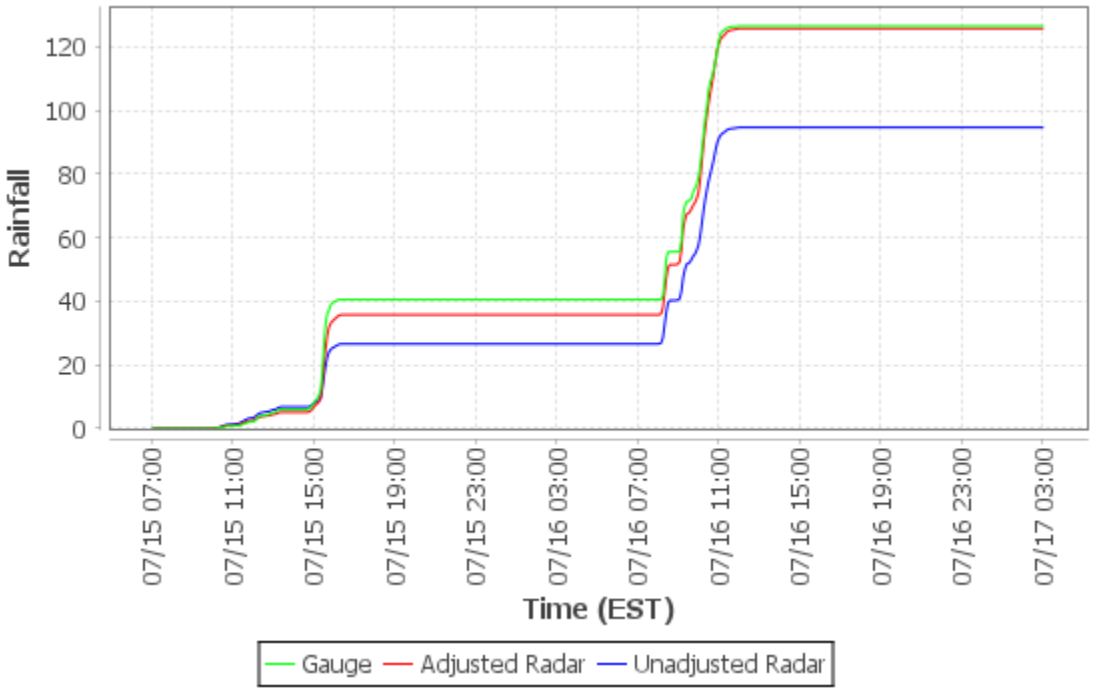
Cumulative Distribution Plot - Fire Station 315 (TOR_RG-003)



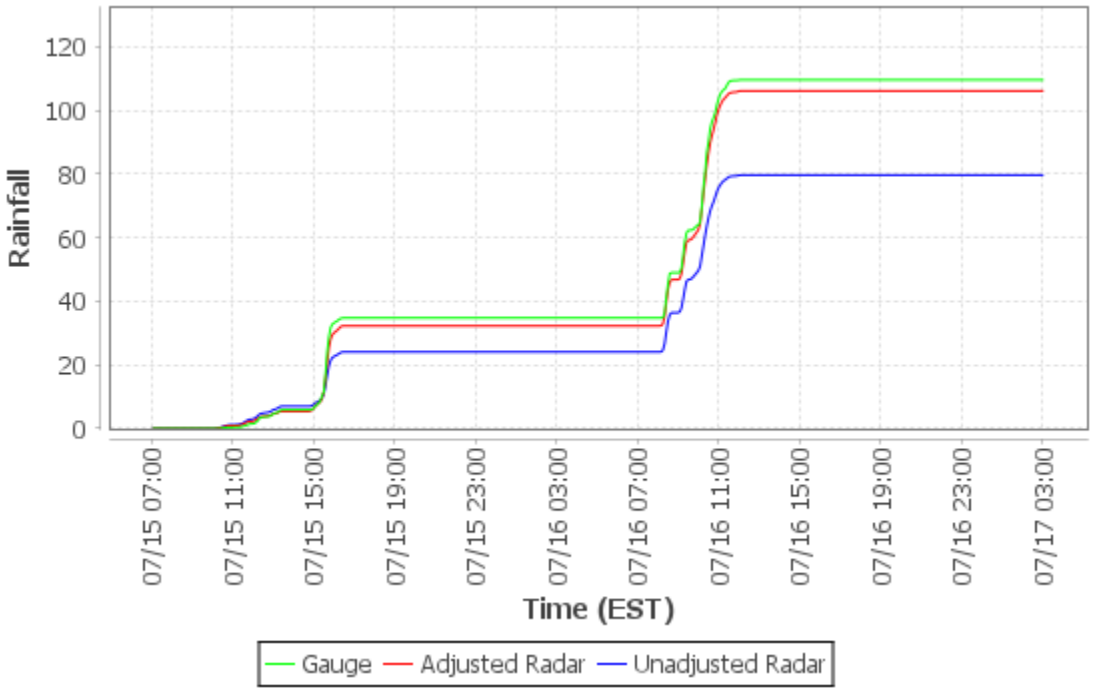
Cumulative Distribution Plot - High Level PS (TOR_RG-004)



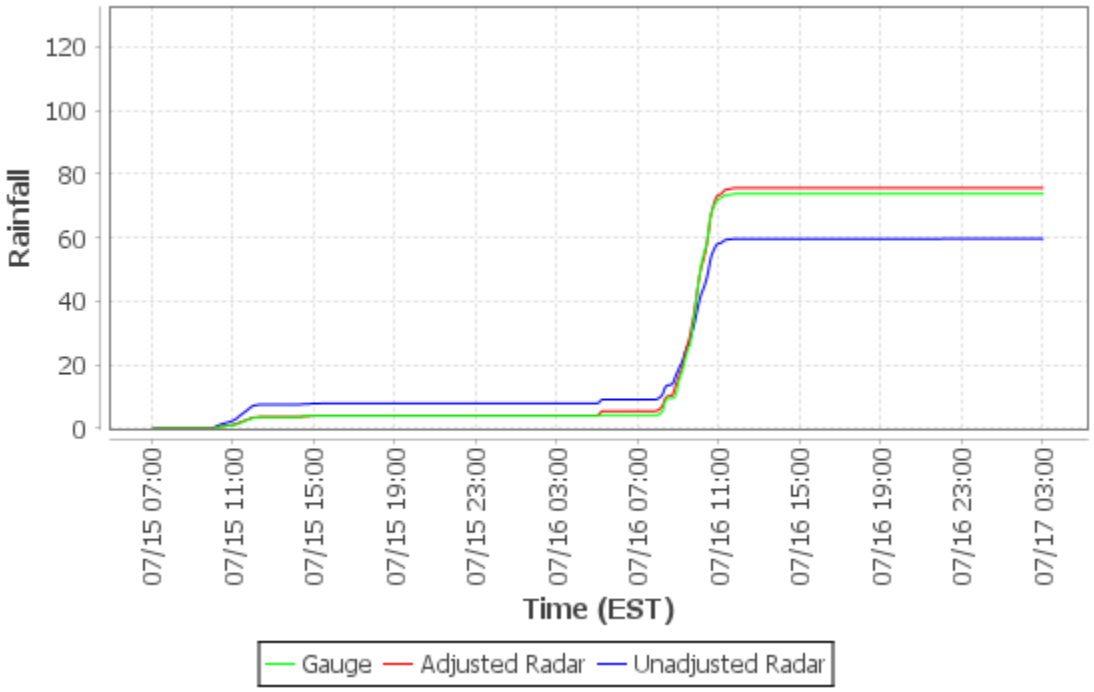
Cumulative Distribution Plot - Allan Gardens (TOR_RG-006)



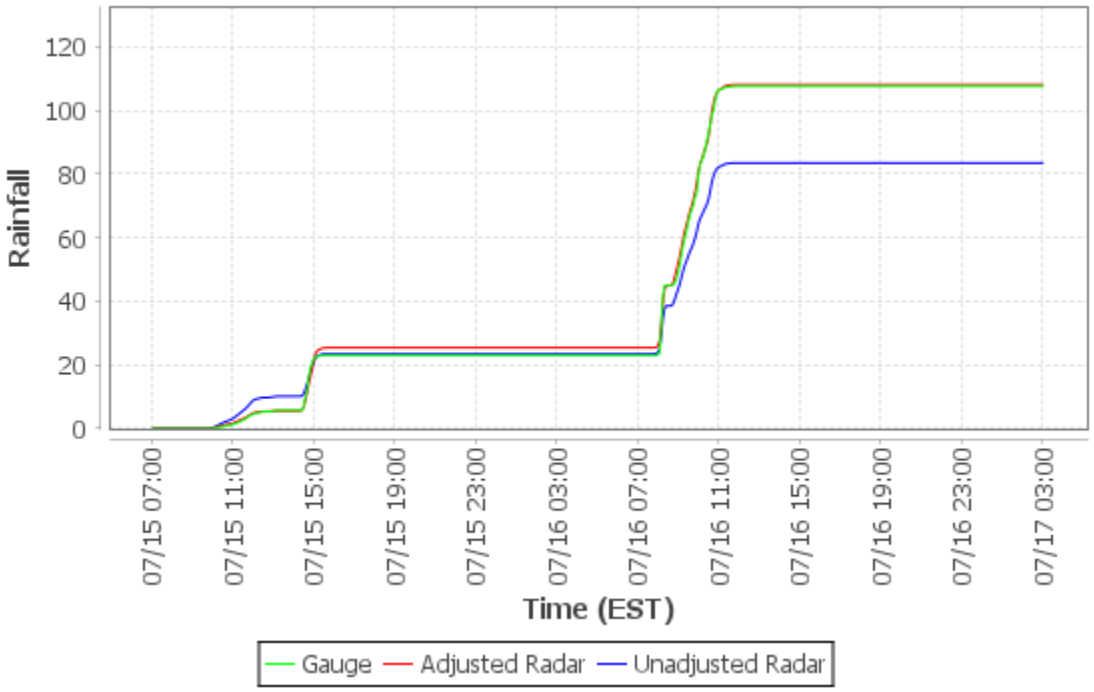
Cumulative Distribution Plot - Greenwood (TOR_RG-007)



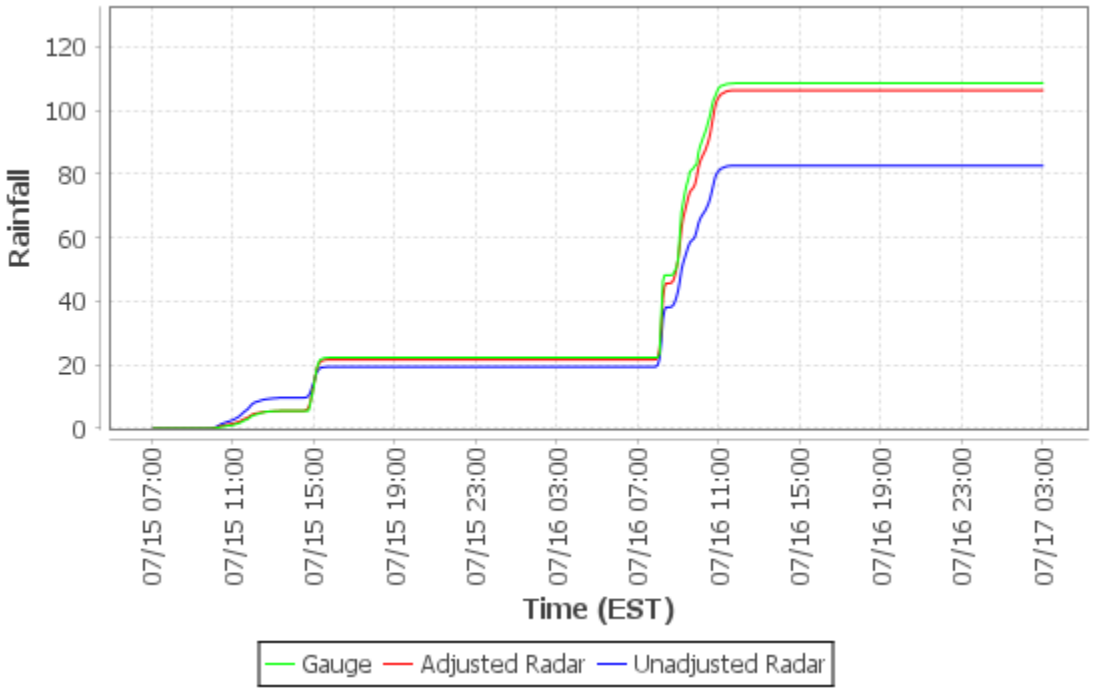
Cumulative Distribution Plot - Albion (TOR_RG-012)



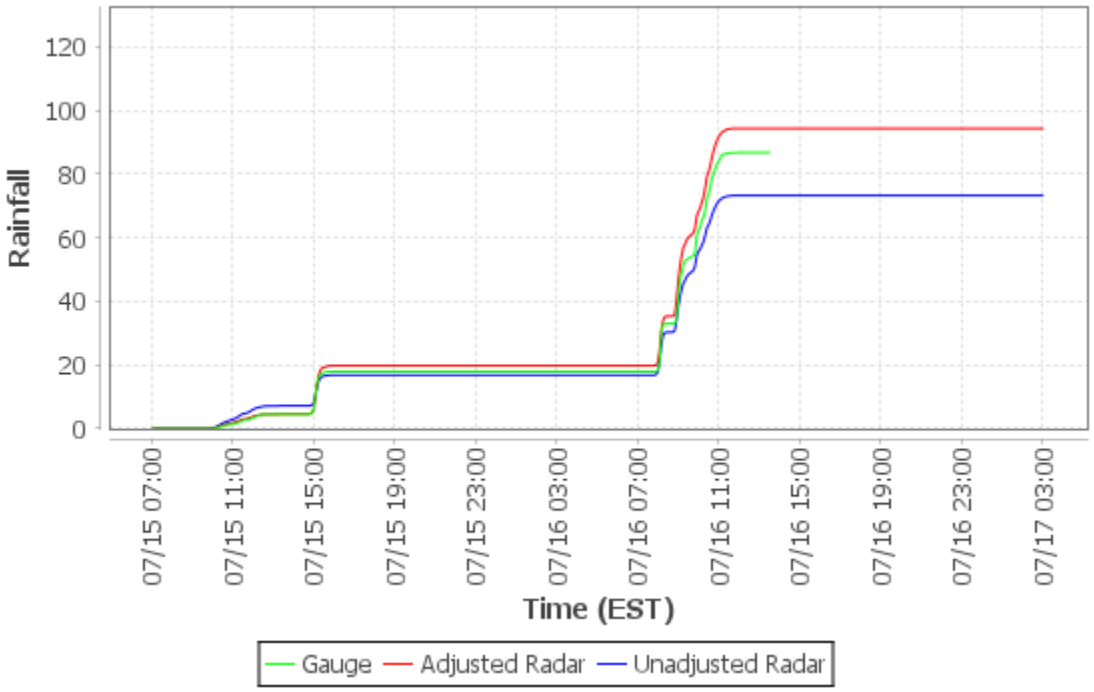
Cumulative Distribution Plot - Martin Grove (TOR_RG-013)



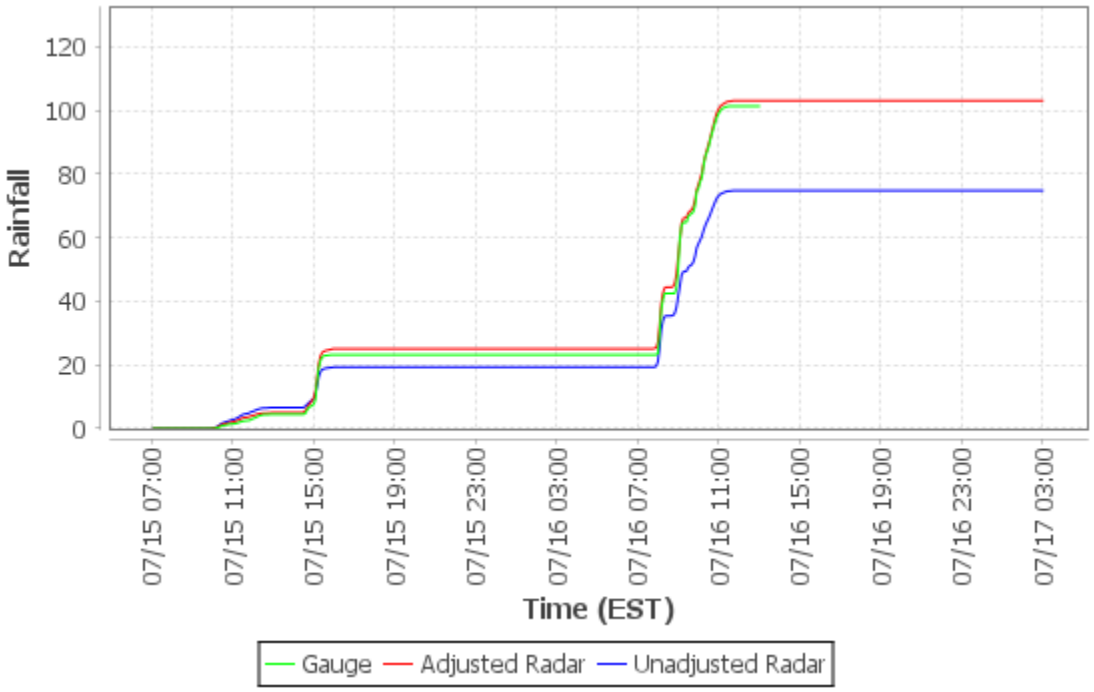
Cumulative Distribution Plot - Richview (TOR_RG-014)



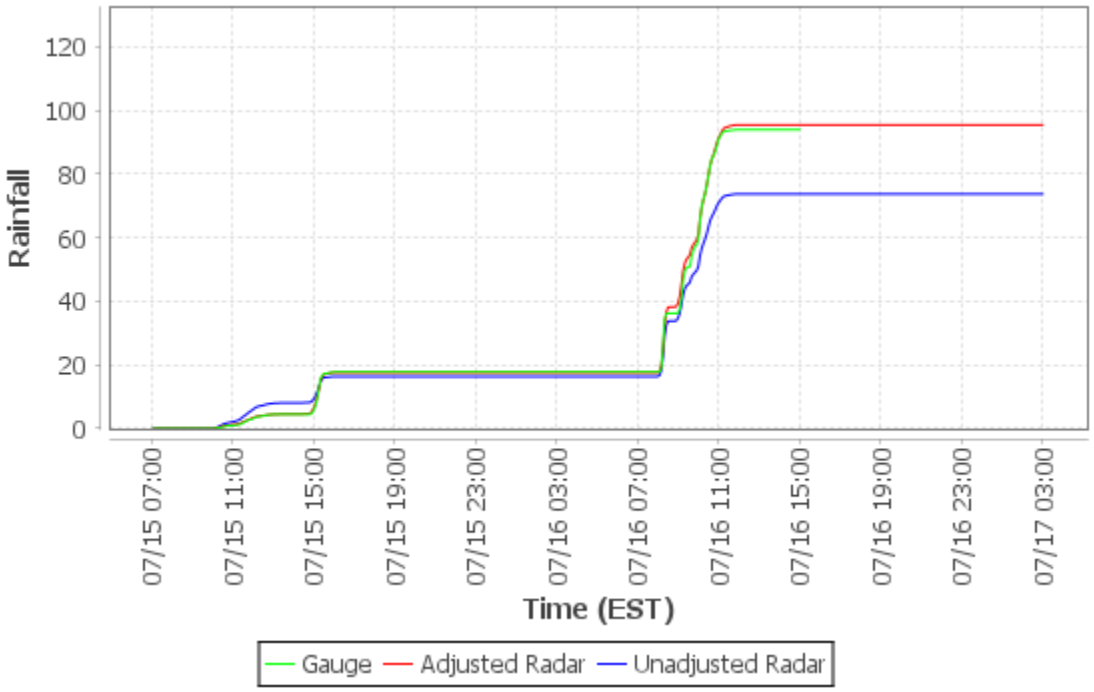
Cumulative Distribution Plot - Bering (TOR_RG-015)



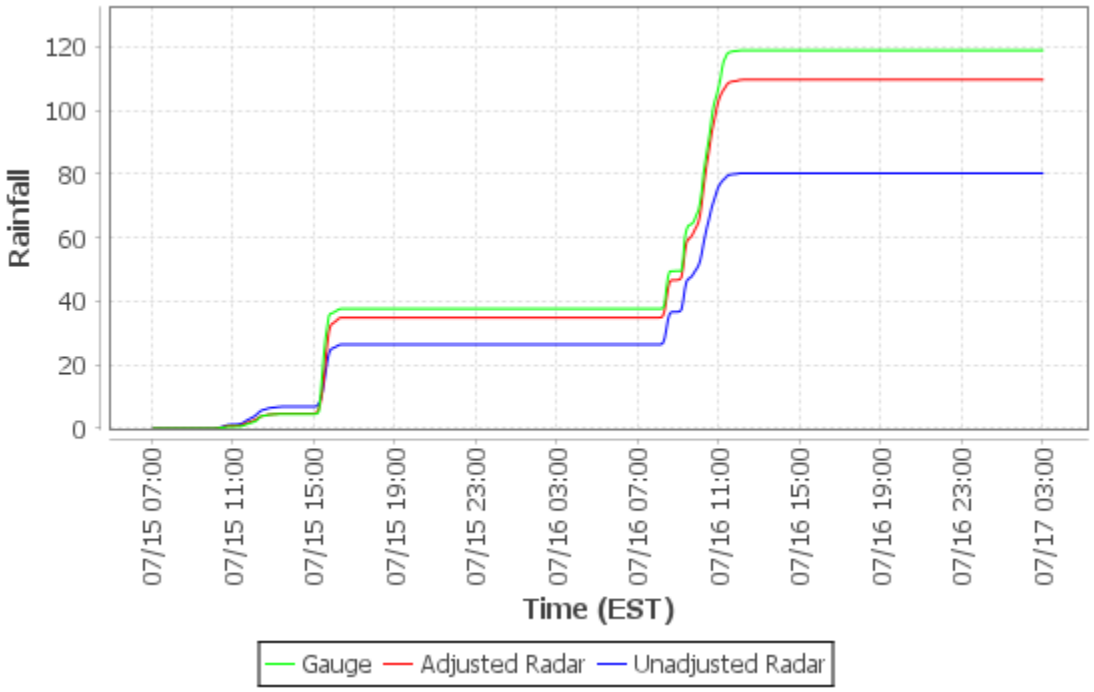
Cumulative Distribution Plot - Kipling (TOR_RG-016)



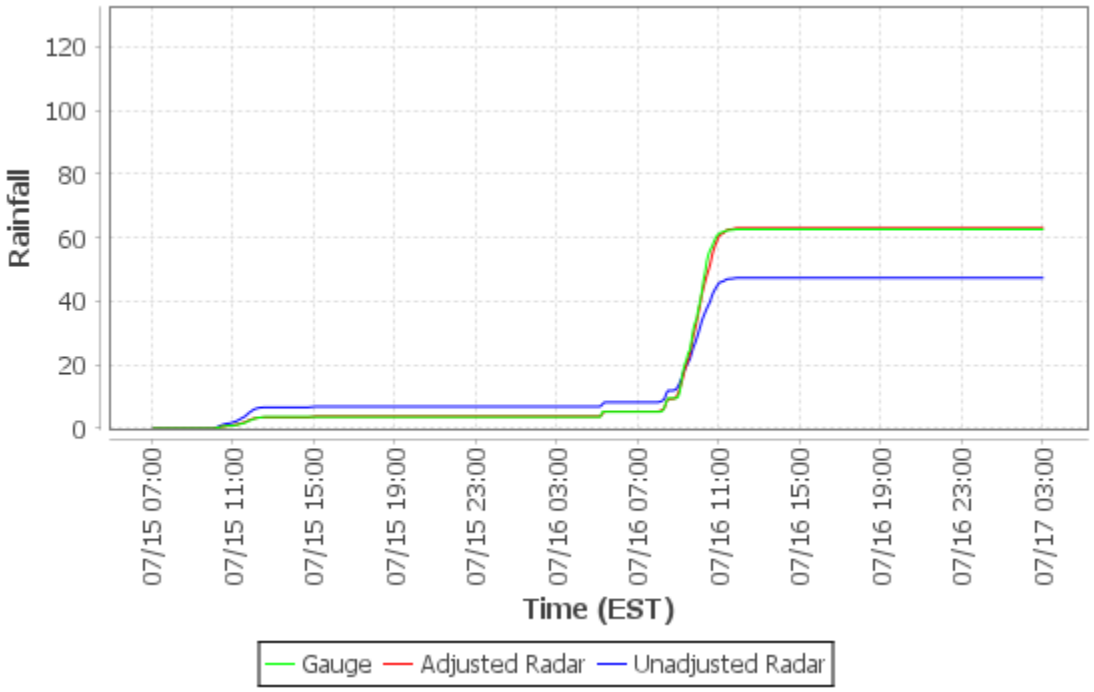
Cumulative Distribution Plot - Castle Field Yard (TOR_RG-017)



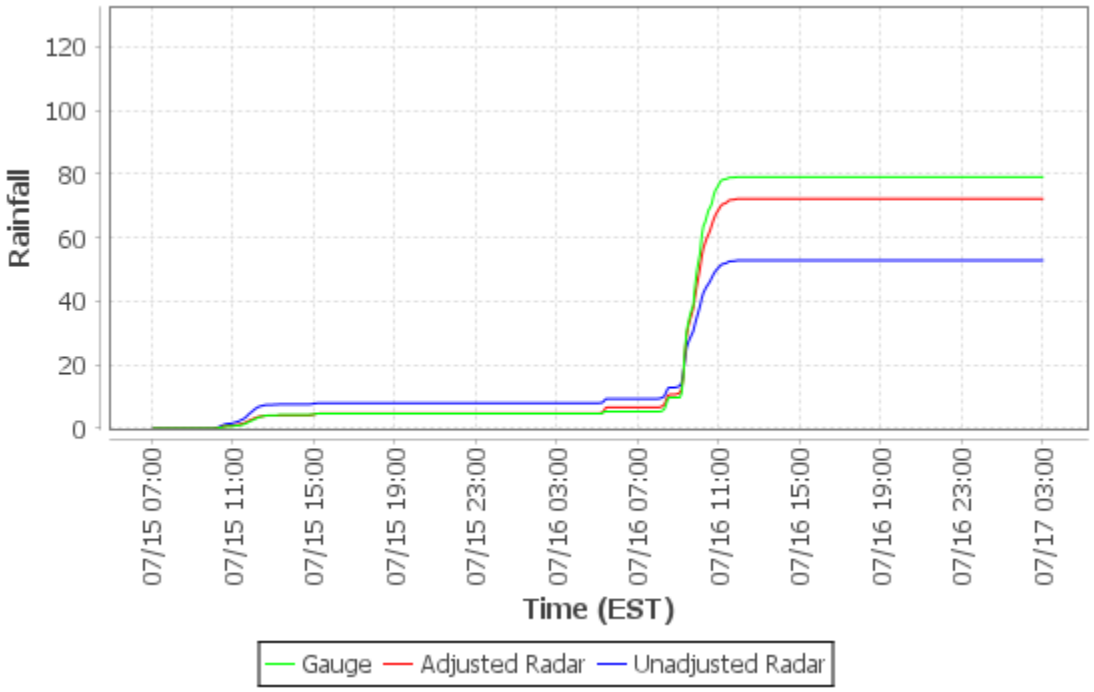
Cumulative Distribution Plot - Thorncliffe (TOR_RG-018)



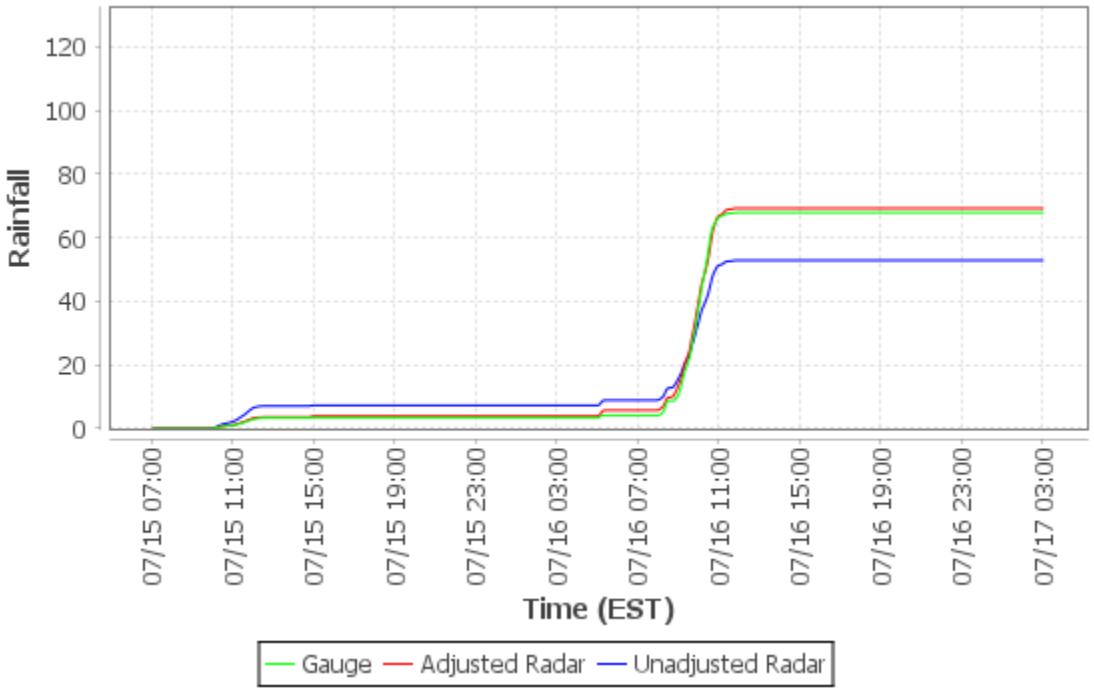
Cumulative Distribution Plot - Jane (TOR_RG-019)



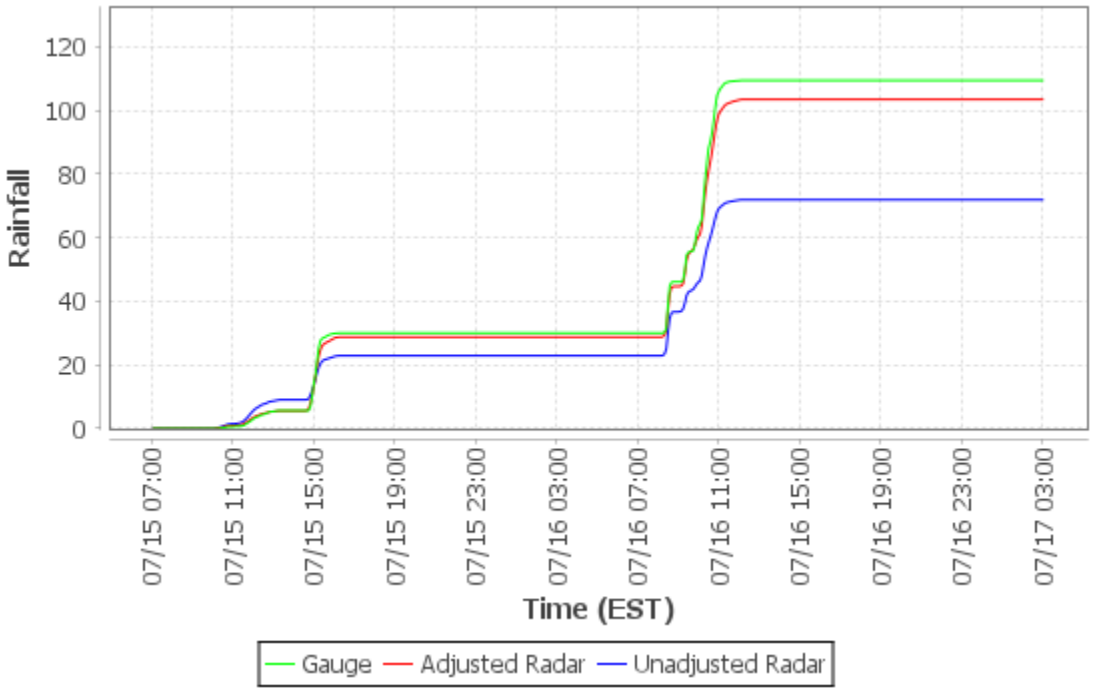
Cumulative Distribution Plot - Finch Yard (TOR_RG-020)



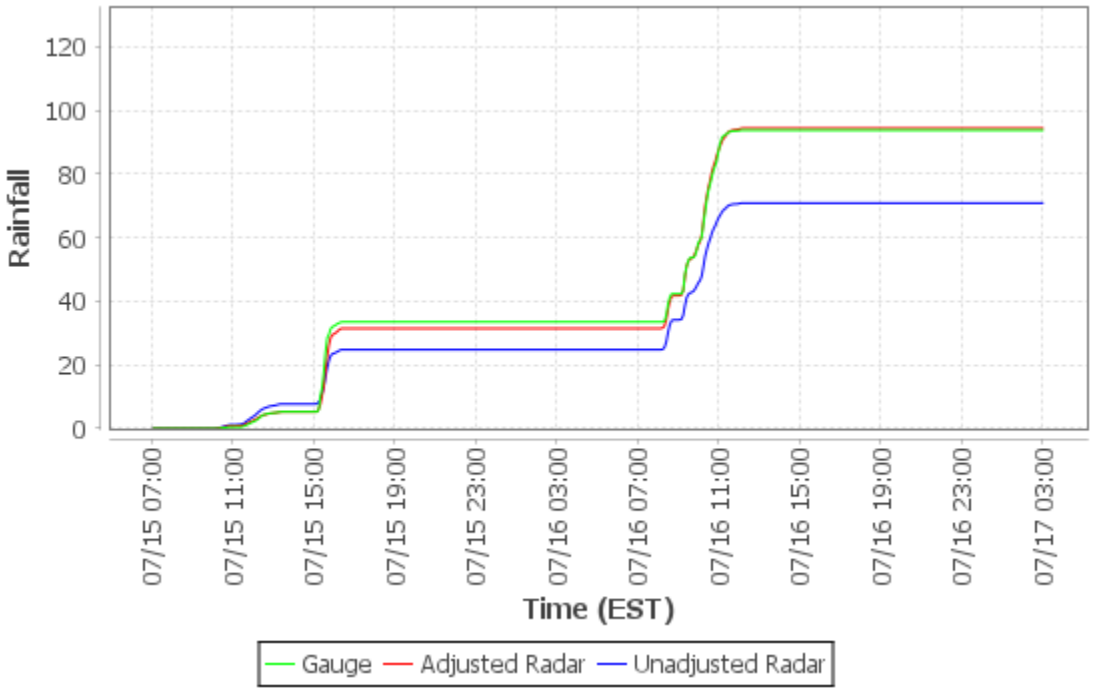
Cumulative Distribution Plot - Emery Yard (TOR_RG-021)



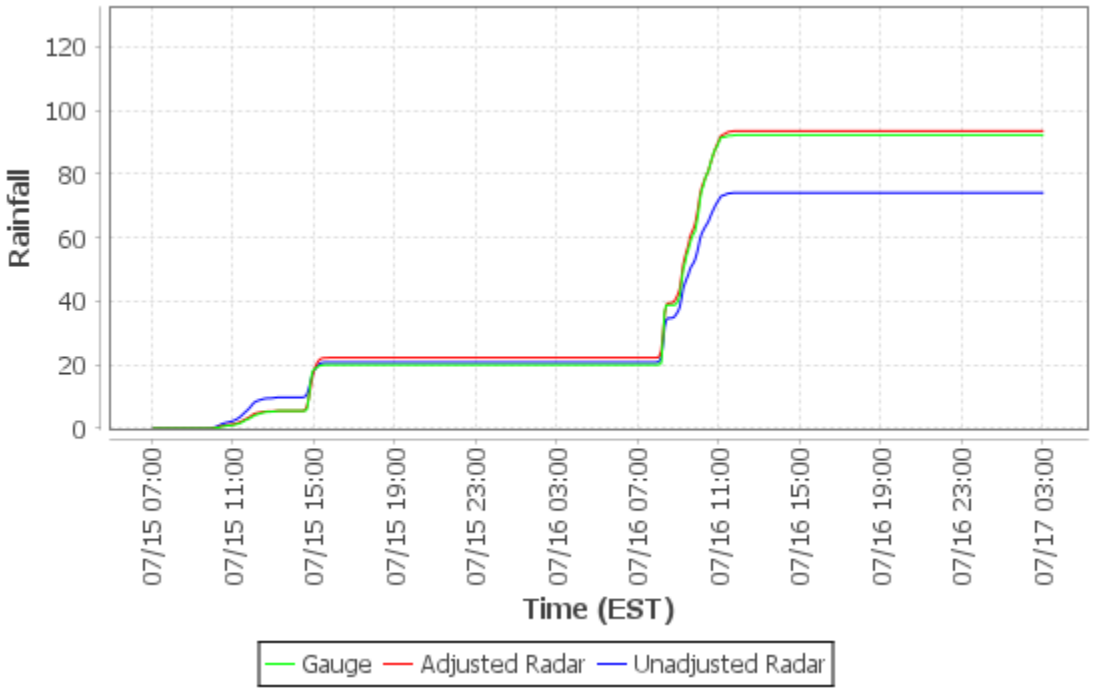
Cumulative Distribution Plot - Fire Station 116 (TOR_RG-022)



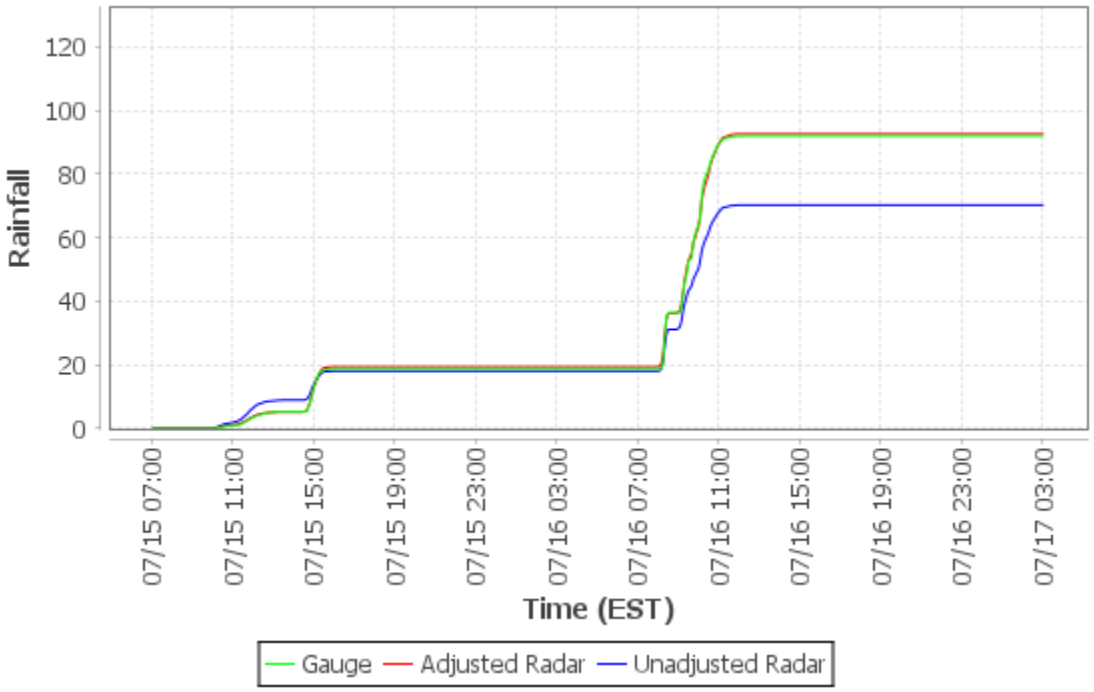
Cumulative Distribution Plot - Bermondsey Yard (TOR_RG-023)



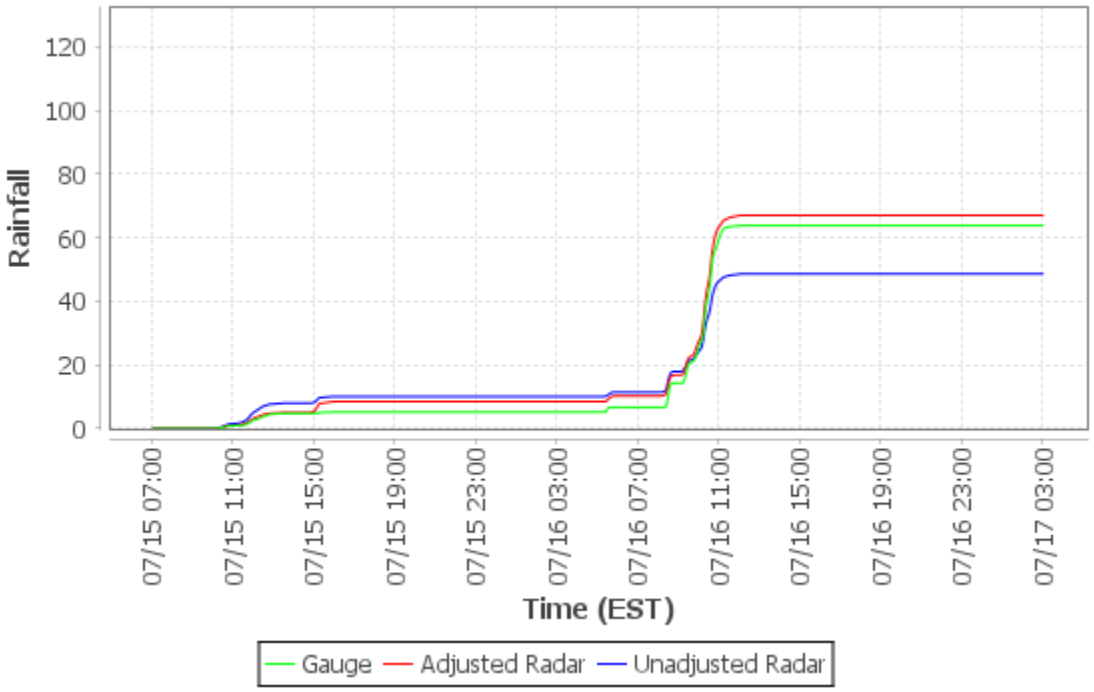
Cumulative Distribution Plot - Wilson (TOR_RG-024)



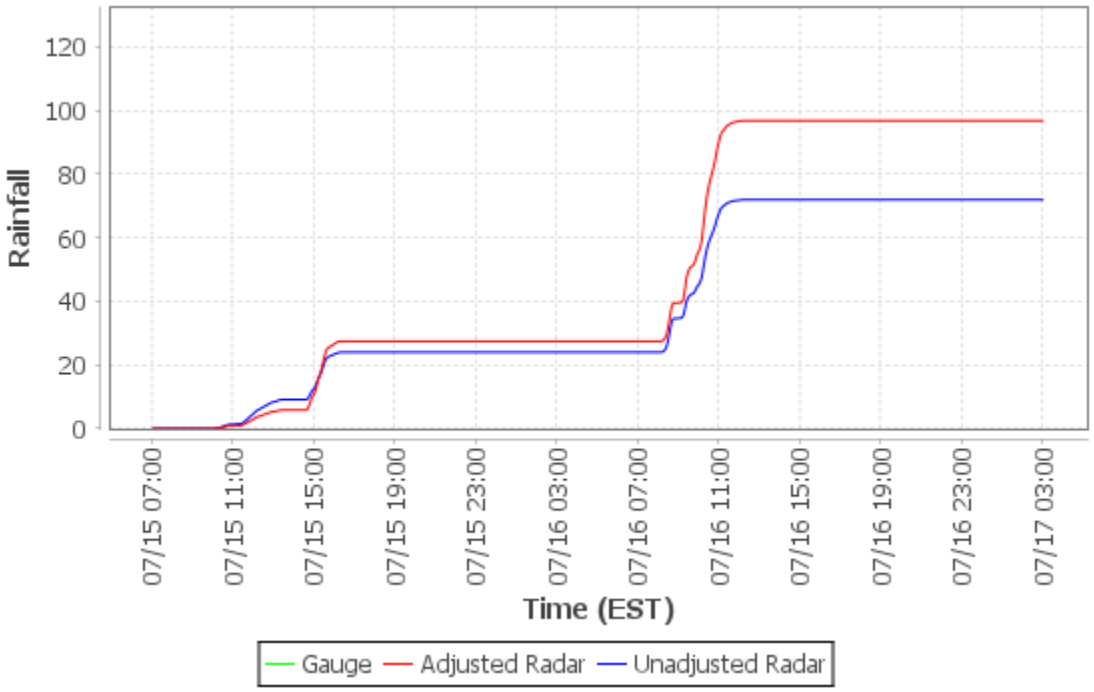
Cumulative Distribution Plot - Ancaster (TOR_RG-025)



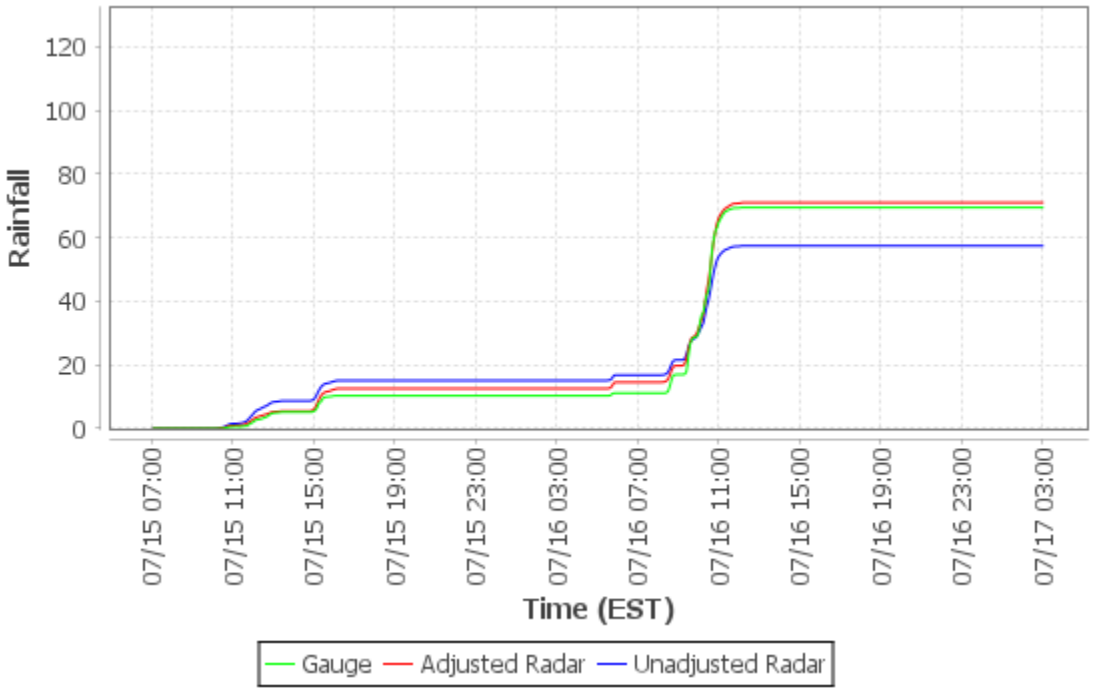
Cumulative Distribution Plot - Cummer (TOR_RG-028)



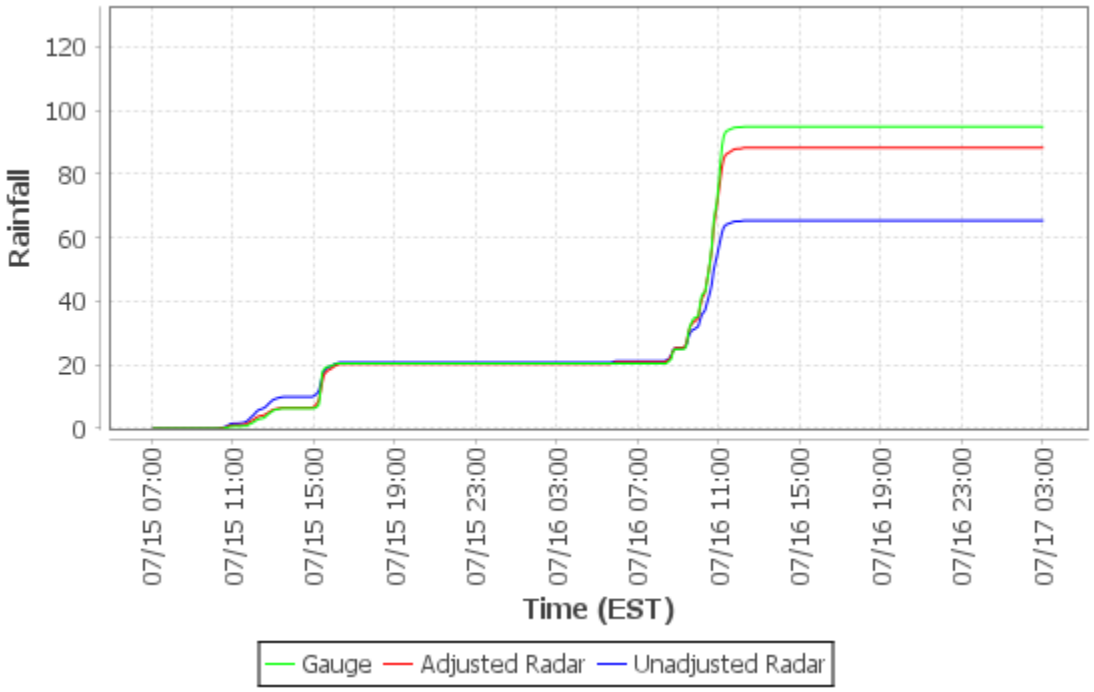
Cumulative Distribution Plot - Brookbanks (TOR_RG-030)



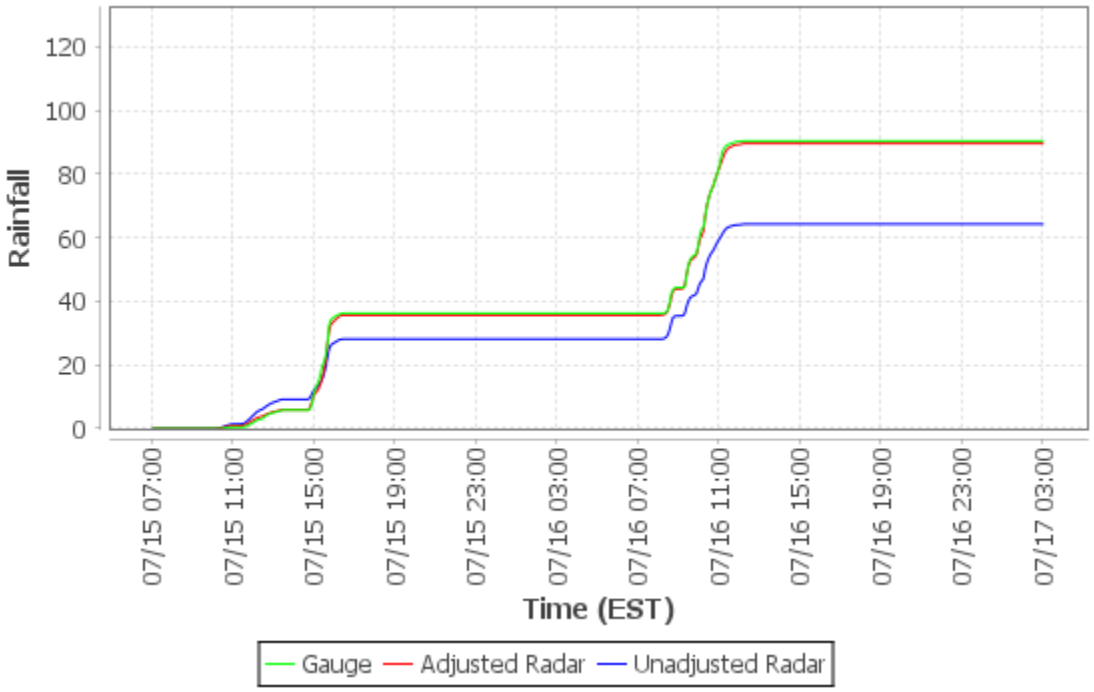
Cumulative Distribution Plot - L'Amoreaux (TOR_RG-031)



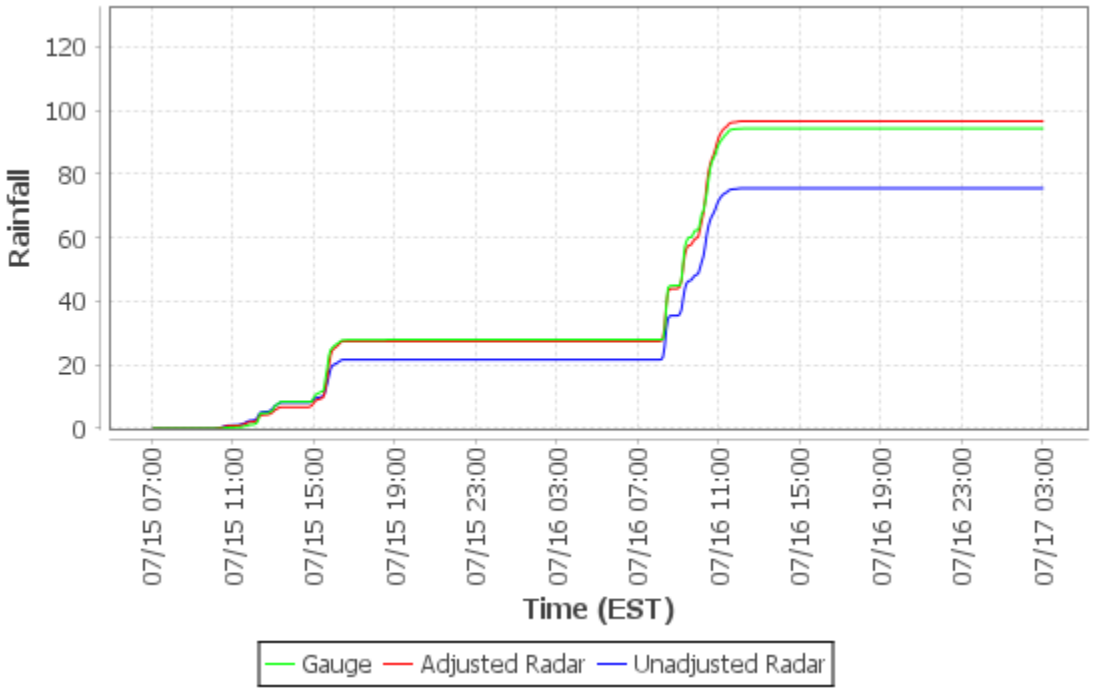
Cumulative Distribution Plot - Nashdene Yard (TOR_RG-033)



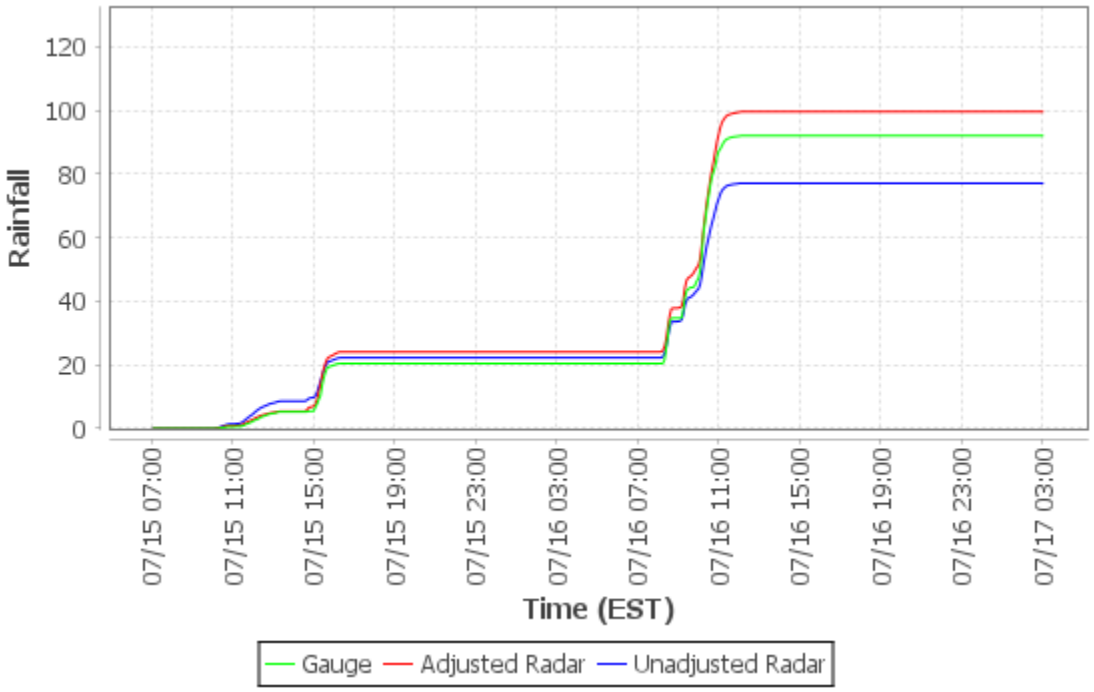
Cumulative Distribution Plot - Ellesmere Yard (TOR_RG-034)



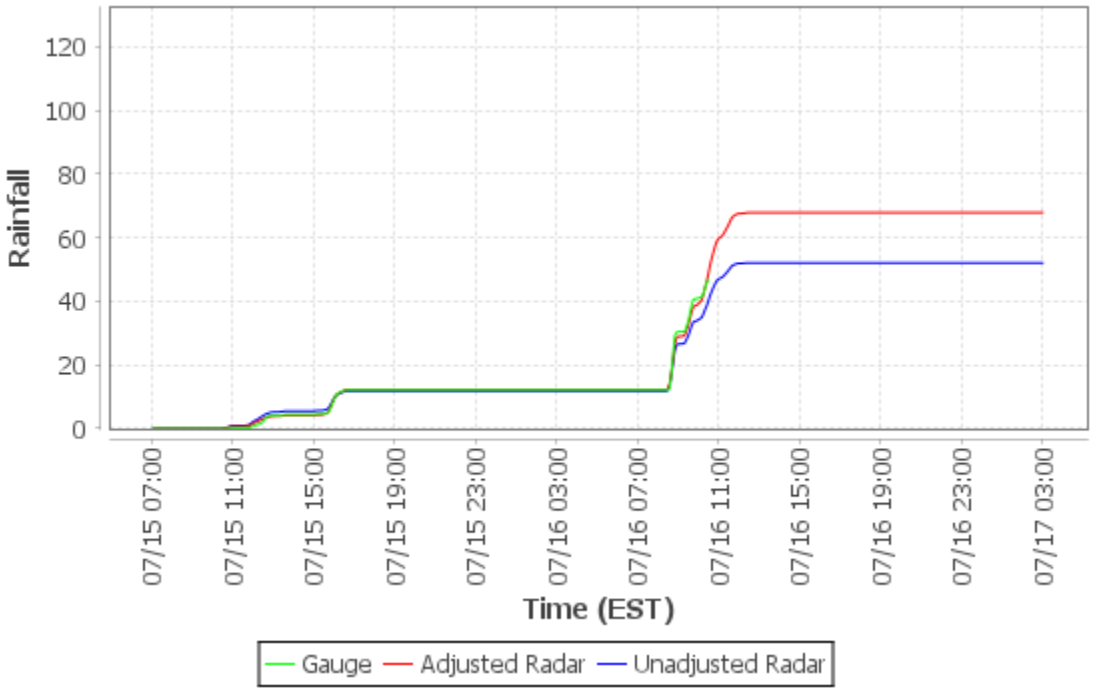
Cumulative Distribution Plot - Ashbridges Bay (TOR_RG-036)



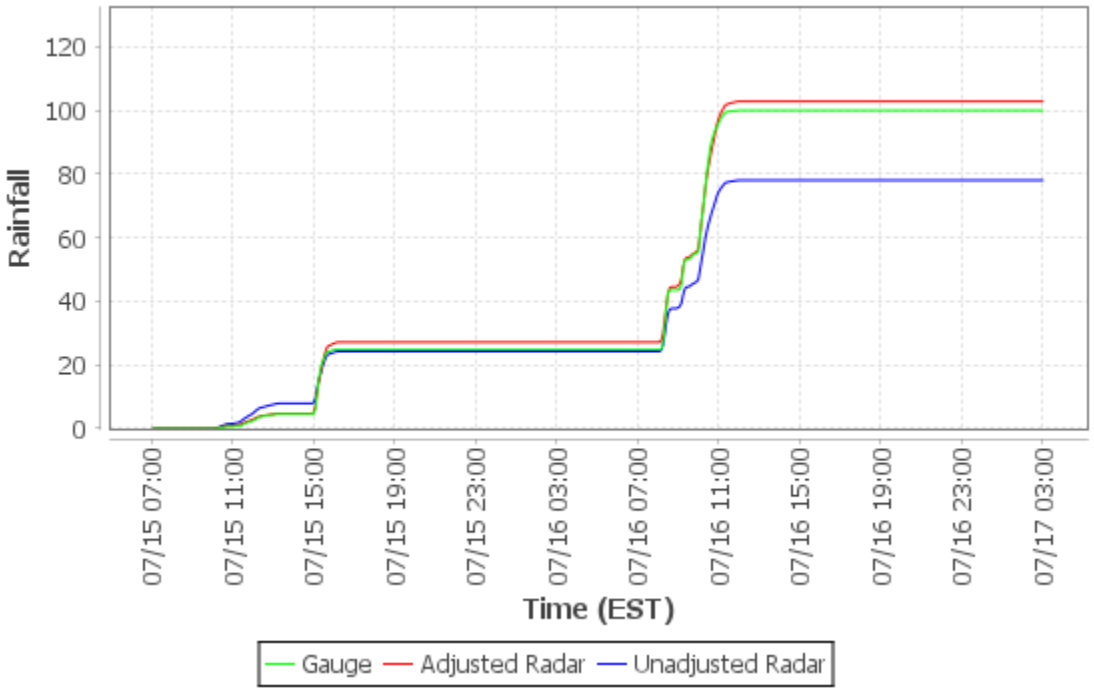
Cumulative Distribution Plot - Edwards Gardens (TOR_RG-037)



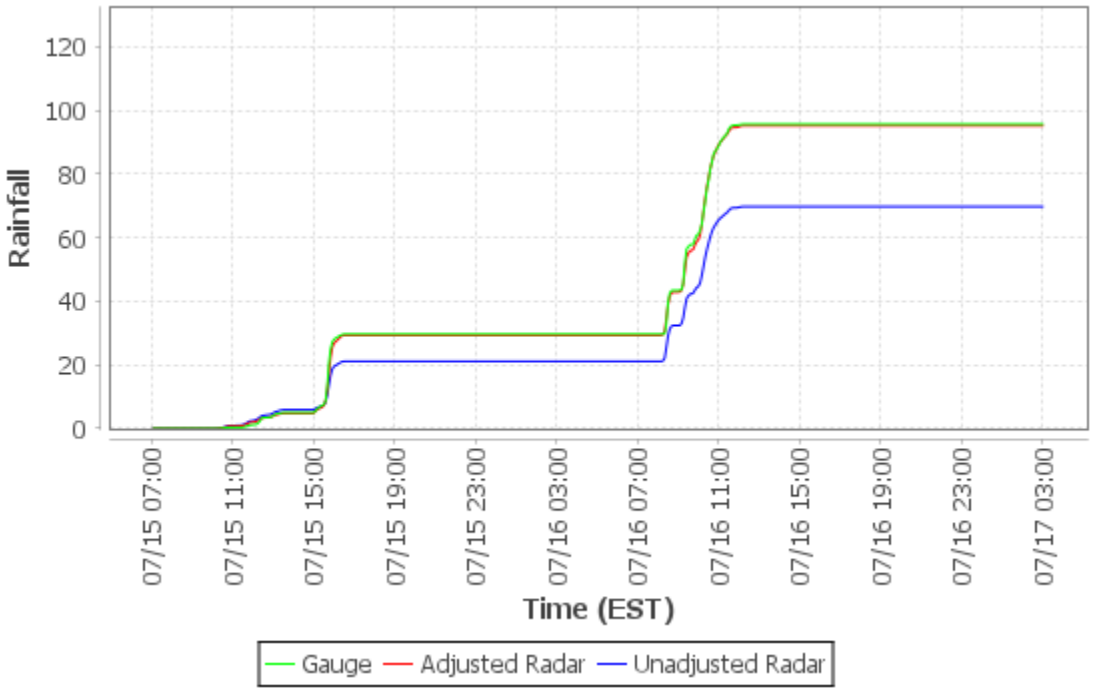
Cumulative Distribution Plot - Fire Station 215 (TOR_RG-038)



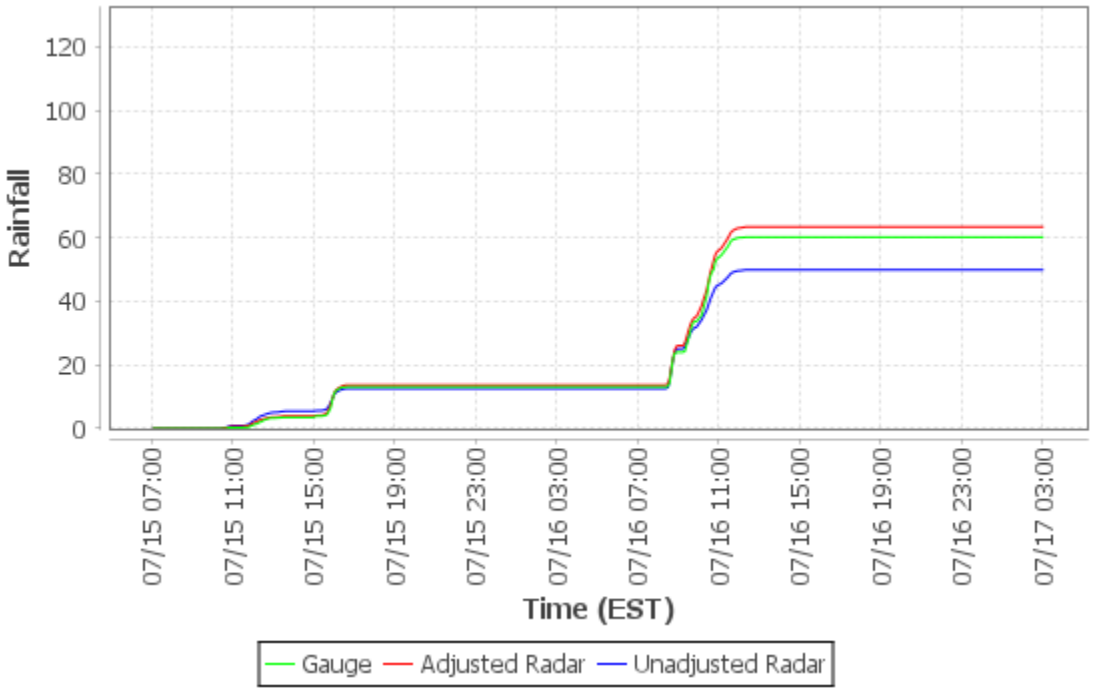
Cumulative Distribution Plot - North Toronto Memorial (TOR_RG-039)



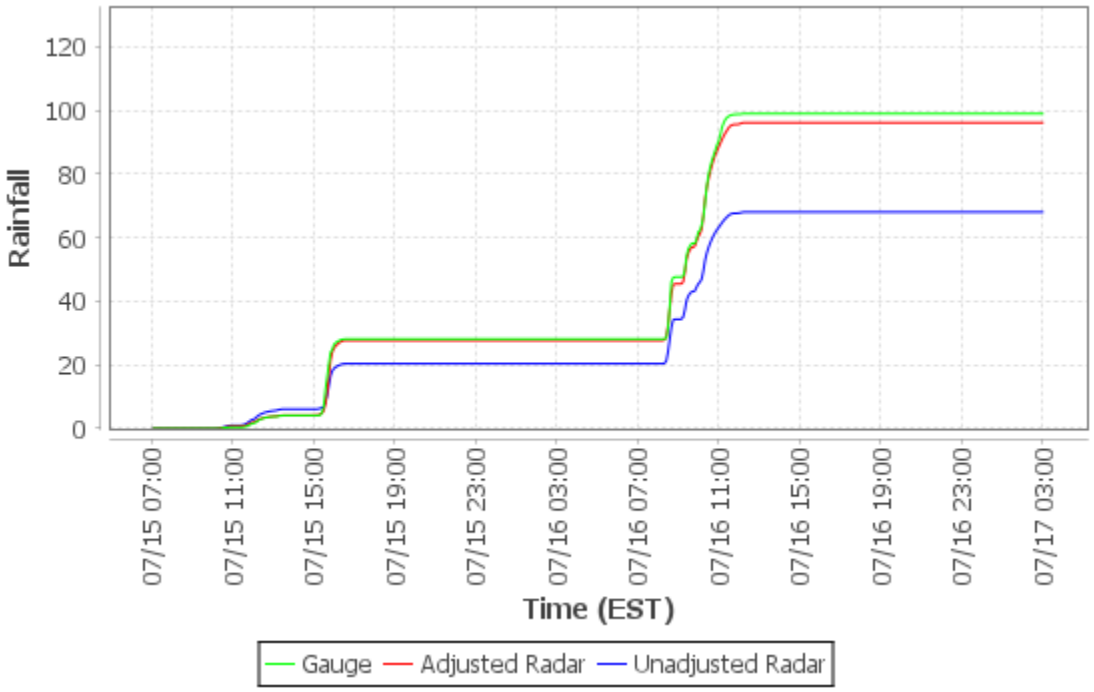
Cumulative Distribution Plot - Denton (TOR_RG-040)



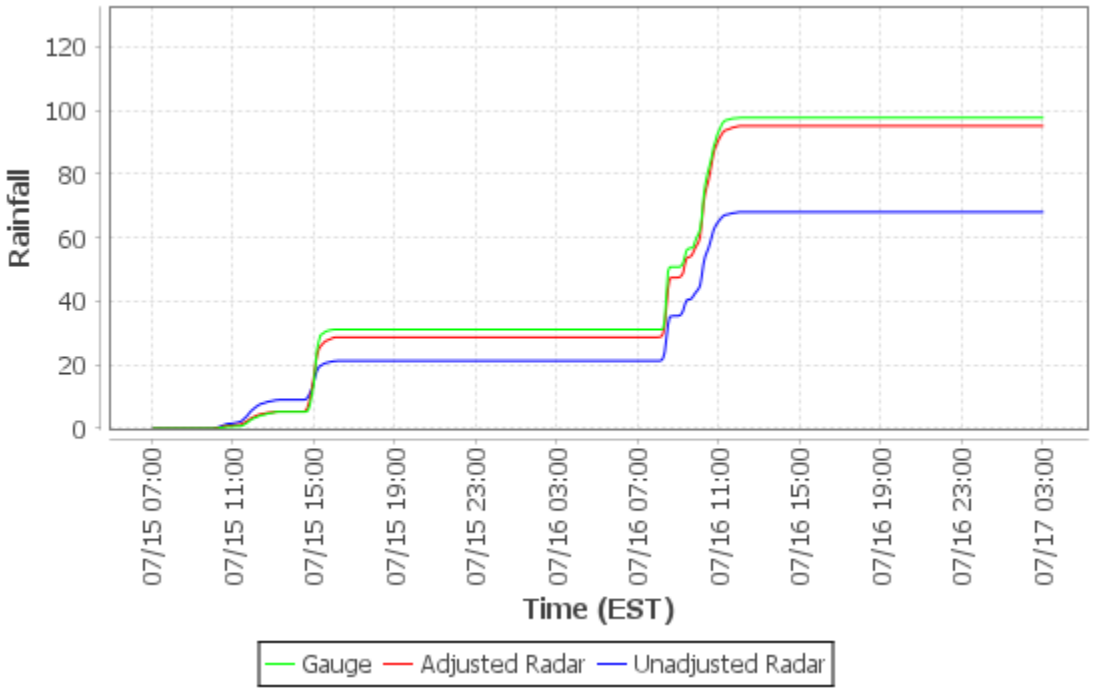
Cumulative Distribution Plot - Heron Park (TOR_RG-041)



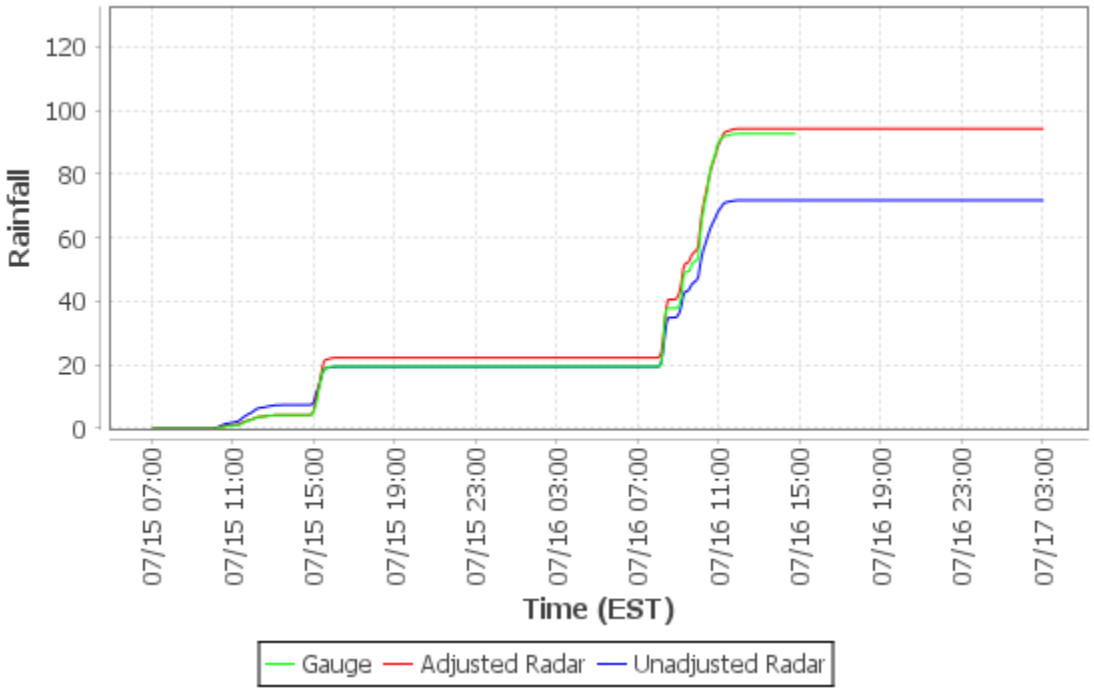
Cumulative Distribution Plot - Don Montgomery (TOR_RG-042)



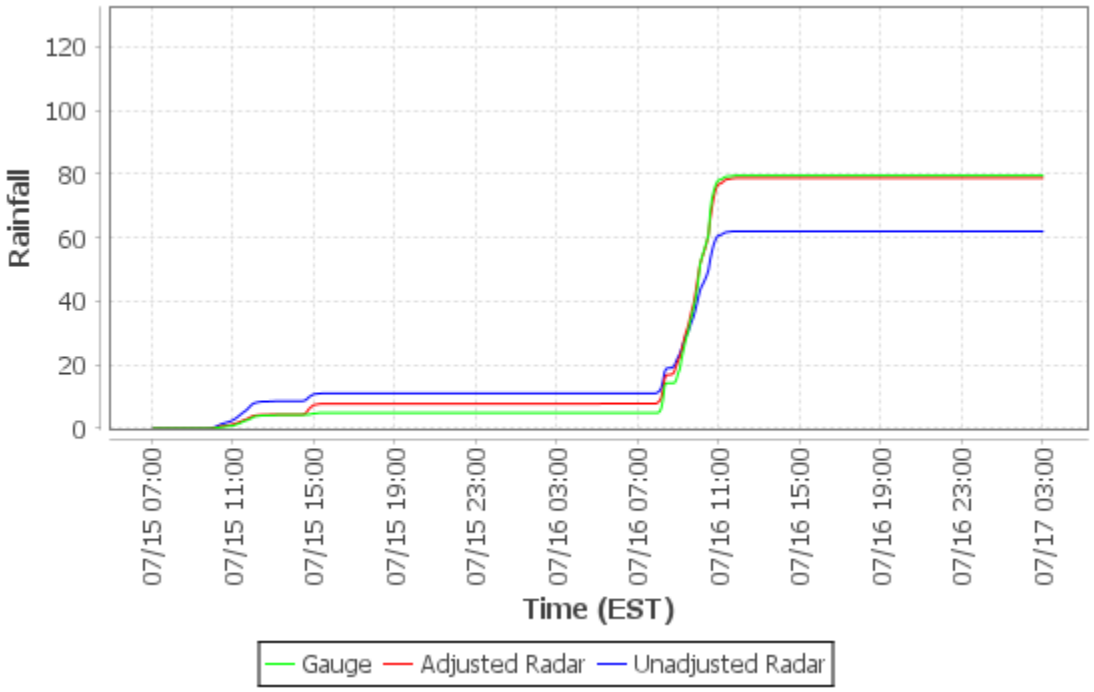
Cumulative Distribution Plot - Fire Station 121 (TOR_RG-044)



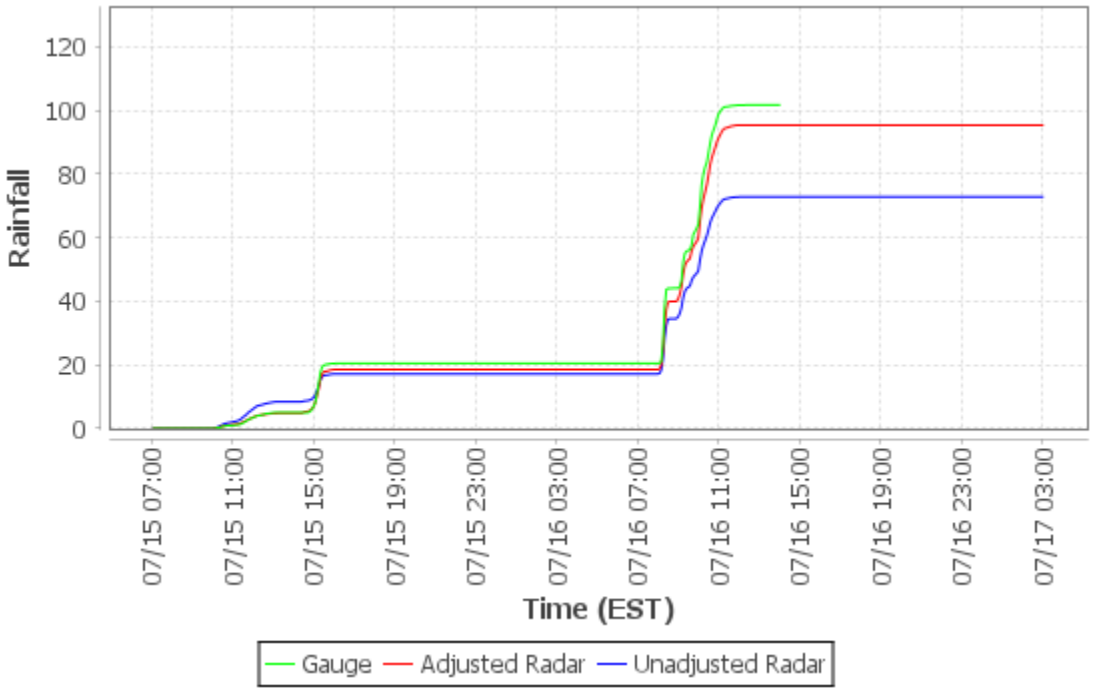
Cumulative Distribution Plot - Fairbank Memorial (TOR_RG-045)



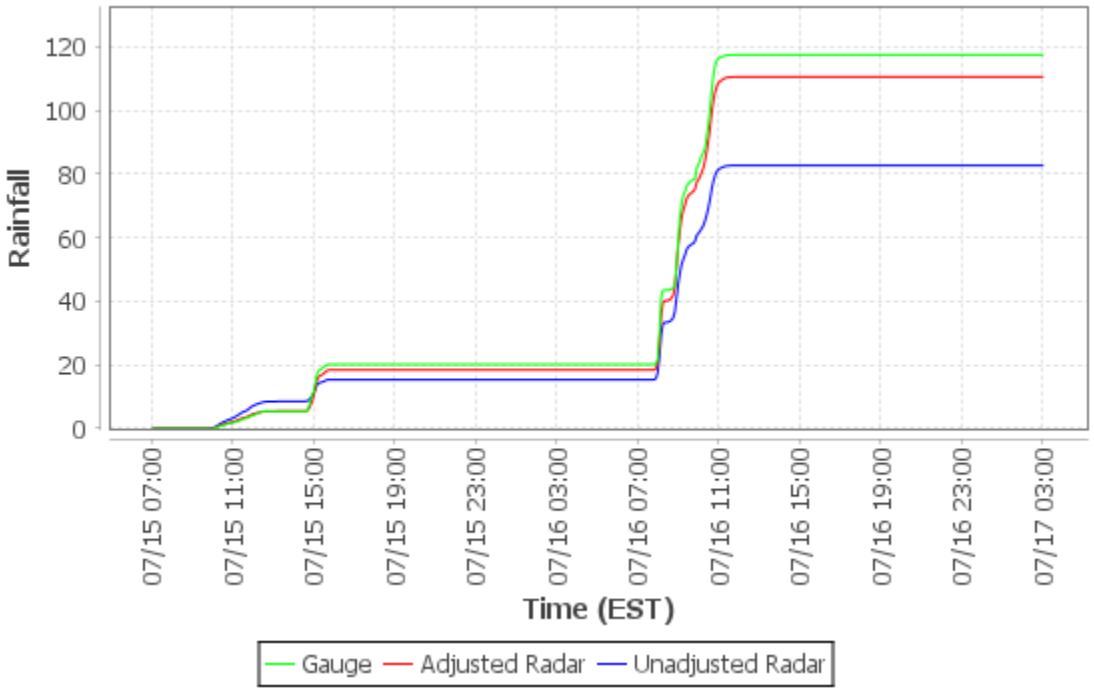
Cumulative Distribution Plot - Fire Station 415 (TOR_RG-046)



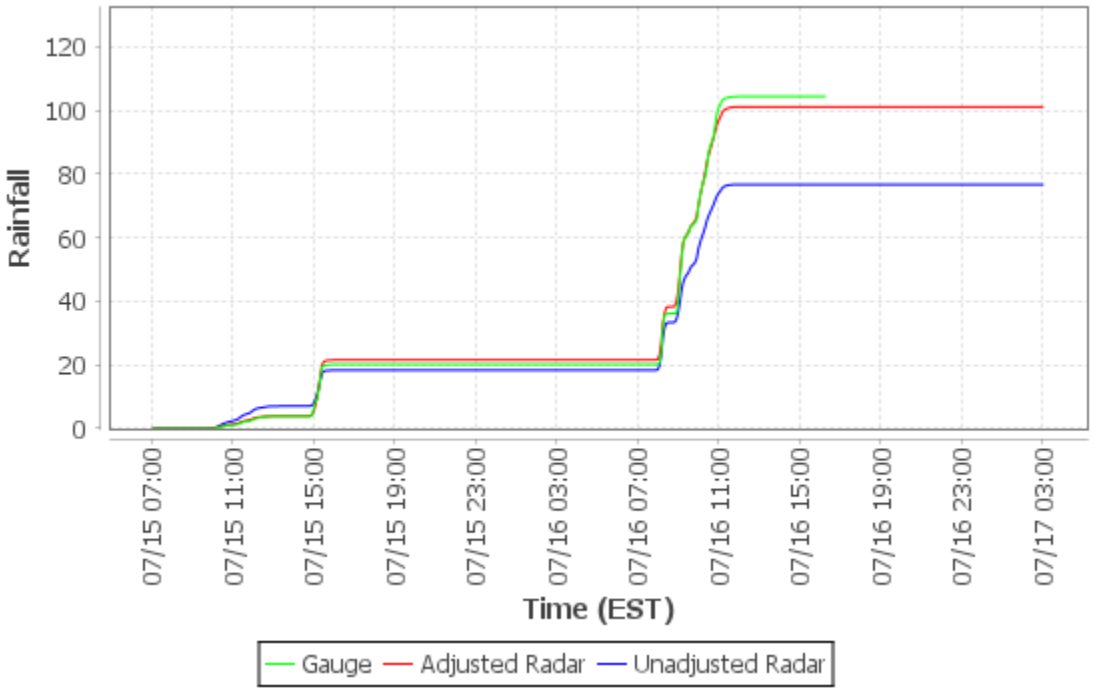
Cumulative Distribution Plot - Glen Long (TOR_RG-047)



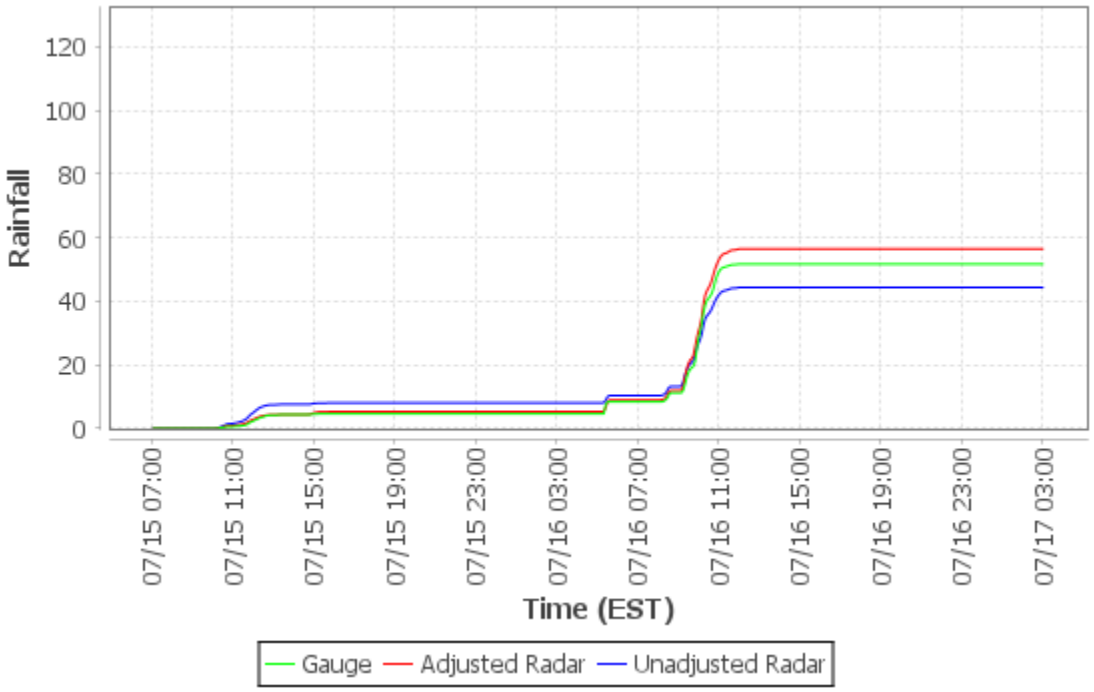
Cumulative Distribution Plot - Etobicoke (TOR_RG-048)



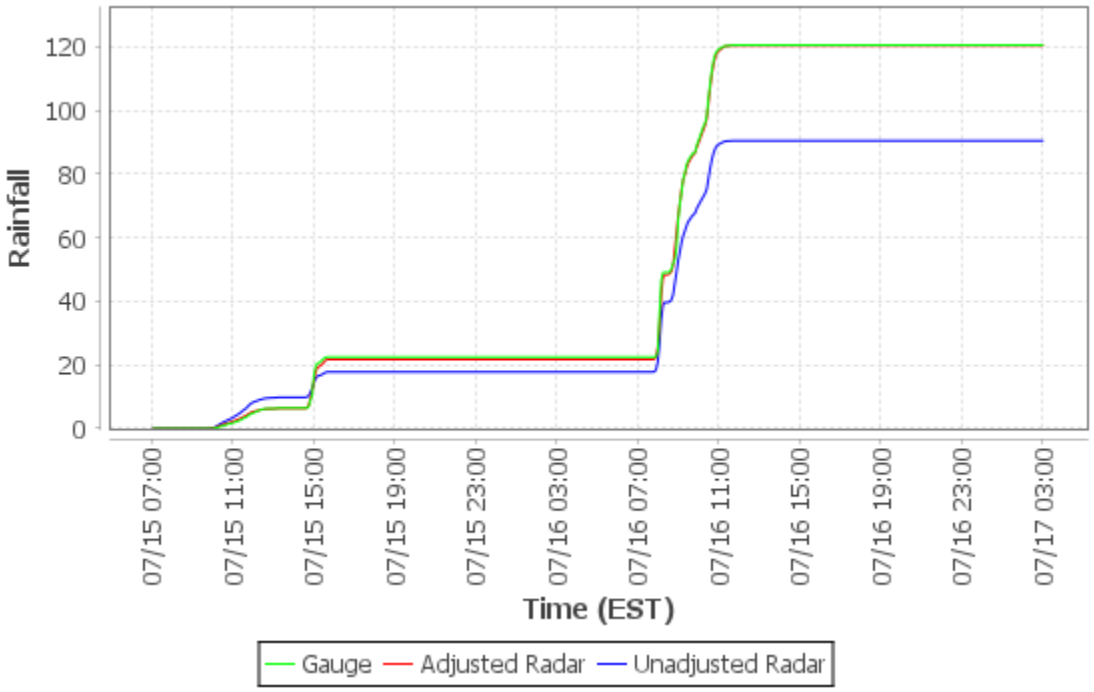
Cumulative Distribution Plot - Fire Station 422 (TOR_RG-049)



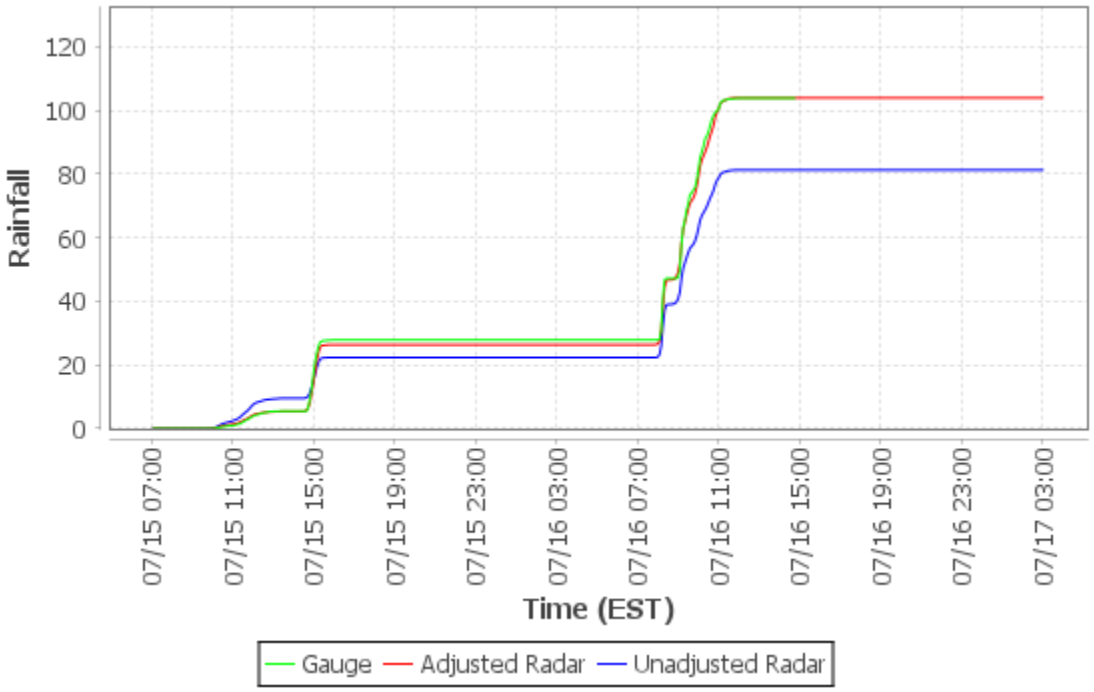
Cumulative Distribution Plot - Goulding (TOR_RG-051)



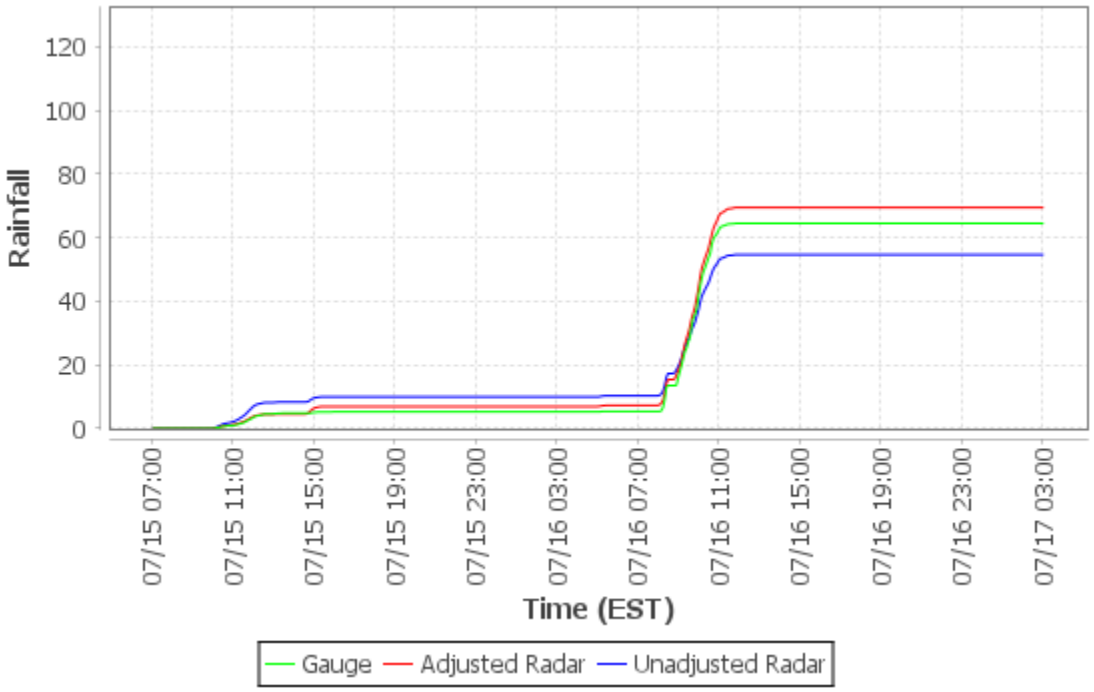
Cumulative Distribution Plot - Etobicoke Olympium (TOR_RG-052)



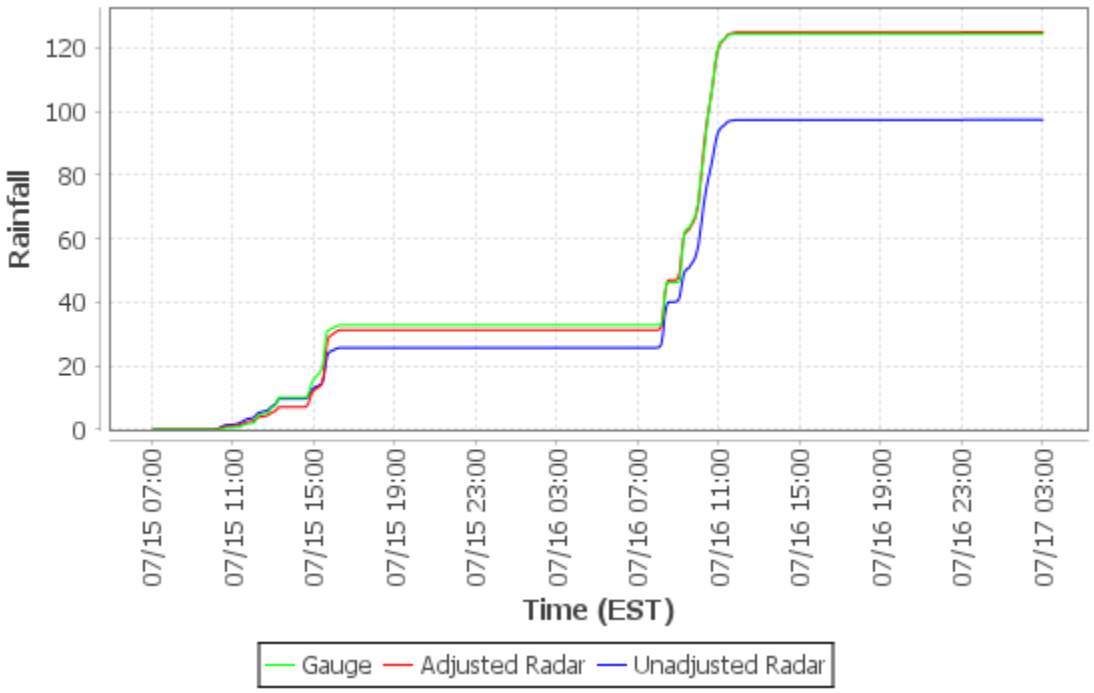
Cumulative Distribution Plot - Fire Station 442 (TOR_RG-054)



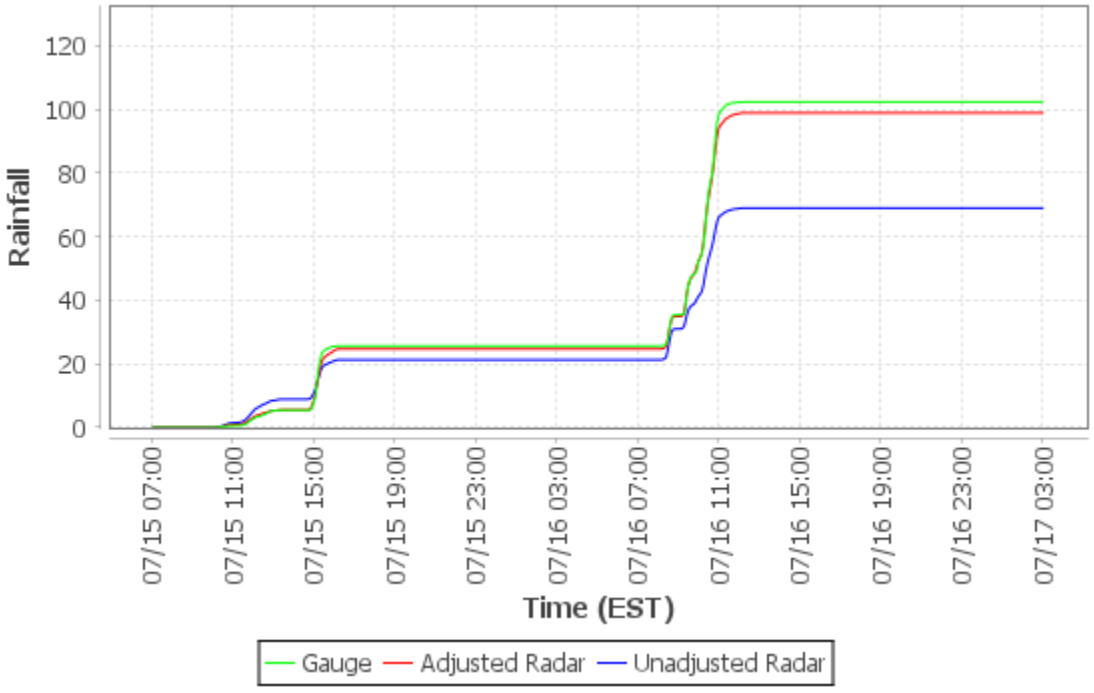
Cumulative Distribution Plot - Fire Station 142 (TOR_RG-056)



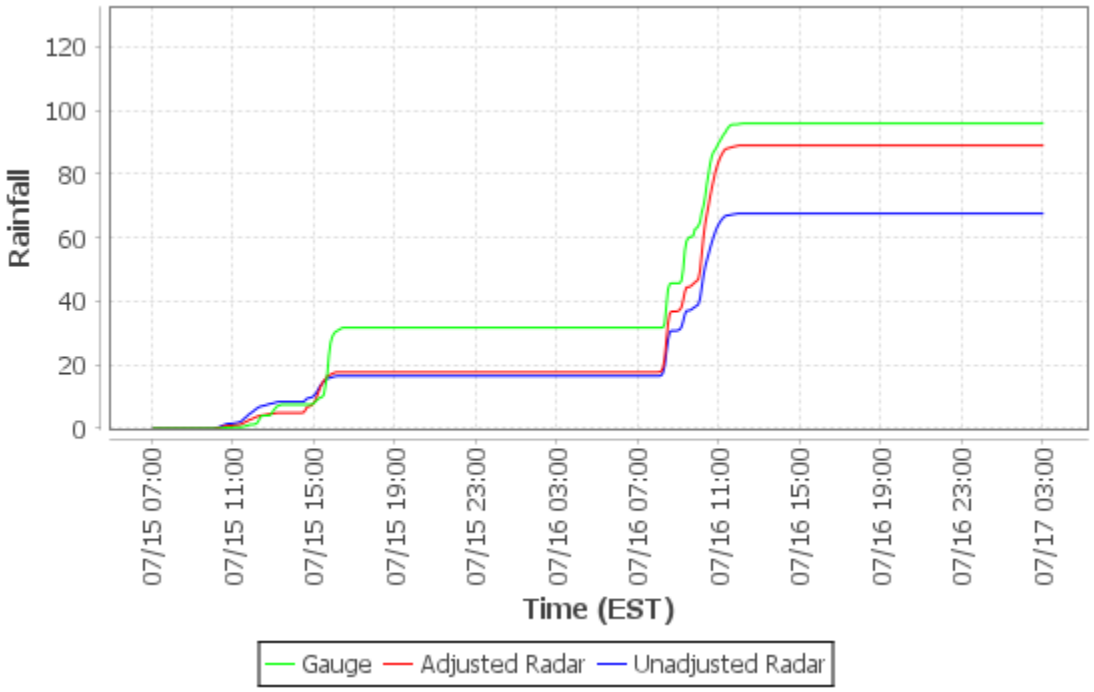
Cumulative Distribution Plot - WATERFRONT NEIGHBOURHOOD CENTRE (TOR_RG-057)



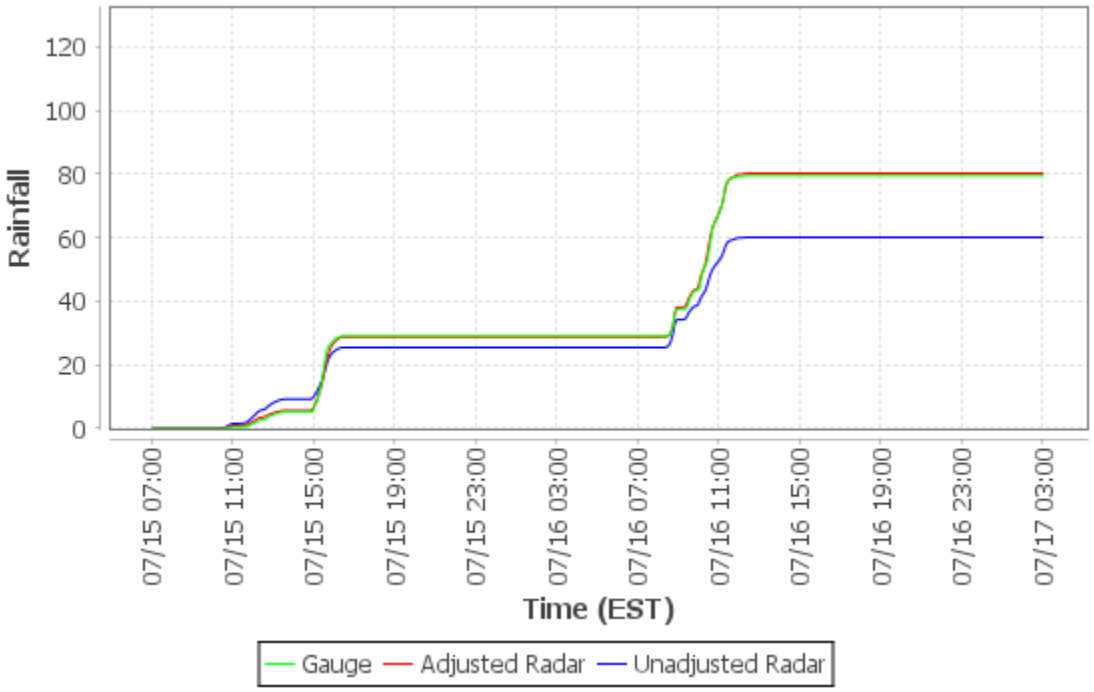
Cumulative Distribution Plot - PLEASANT VIEW COMMUNITY CENTRE (TOR_RG-058)



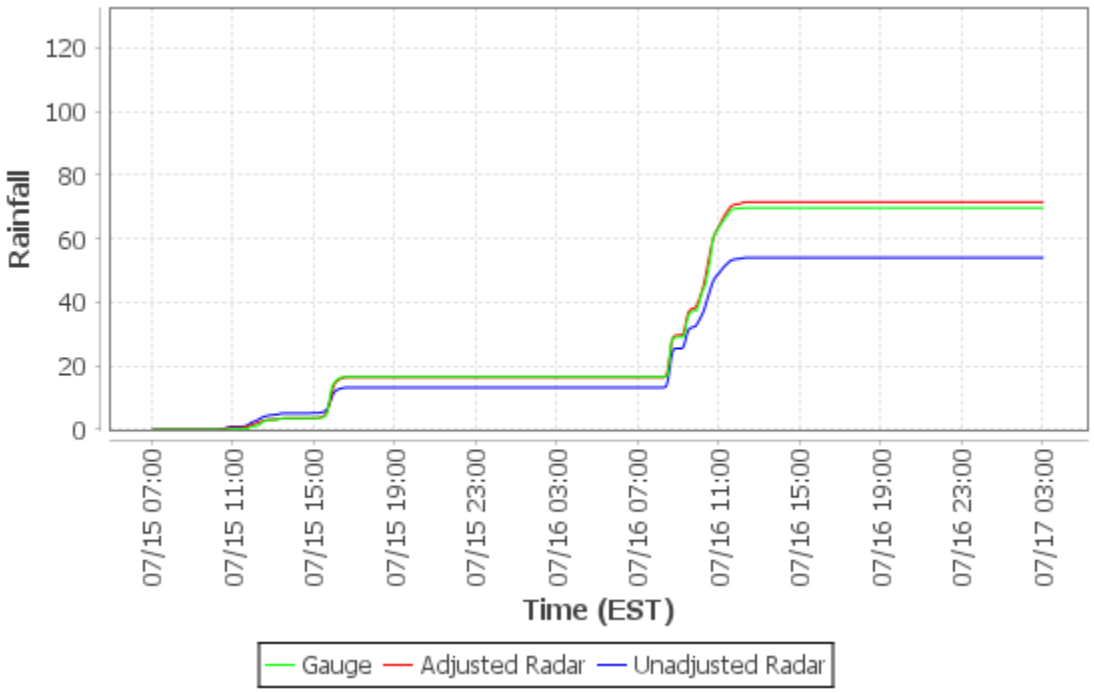
Cumulative Distribution Plot - BEACHES RECREATION CENTRE (TOR_RG-059)



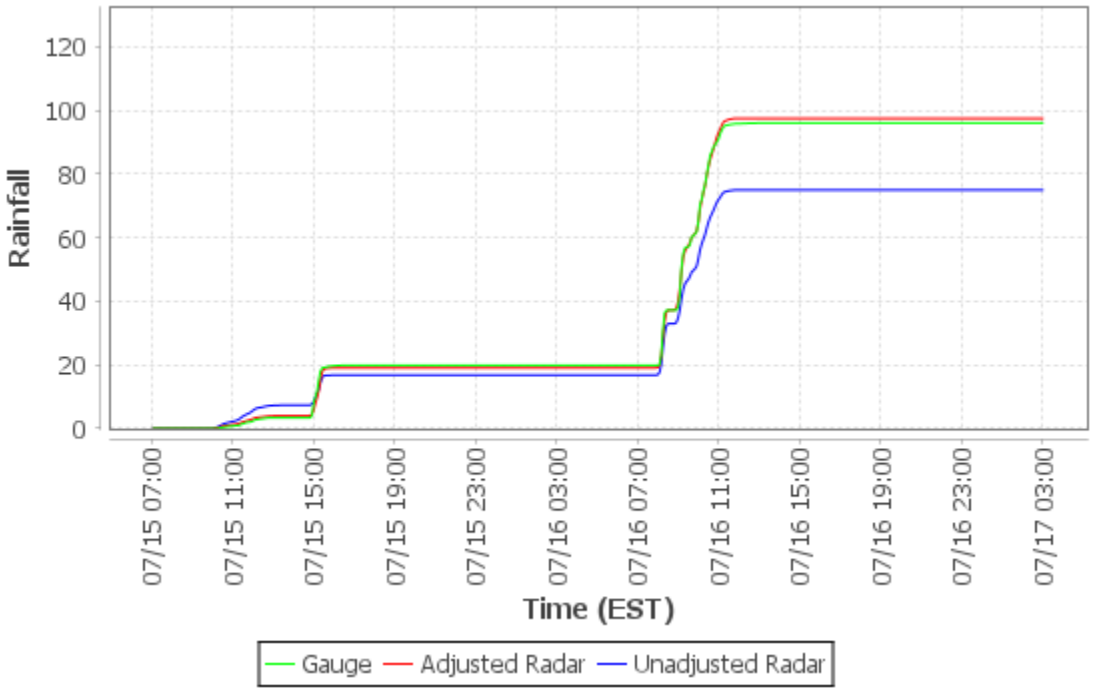
Cumulative Distribution Plot - MALVERN RECREATION CENTRE (TOR_RG-060)



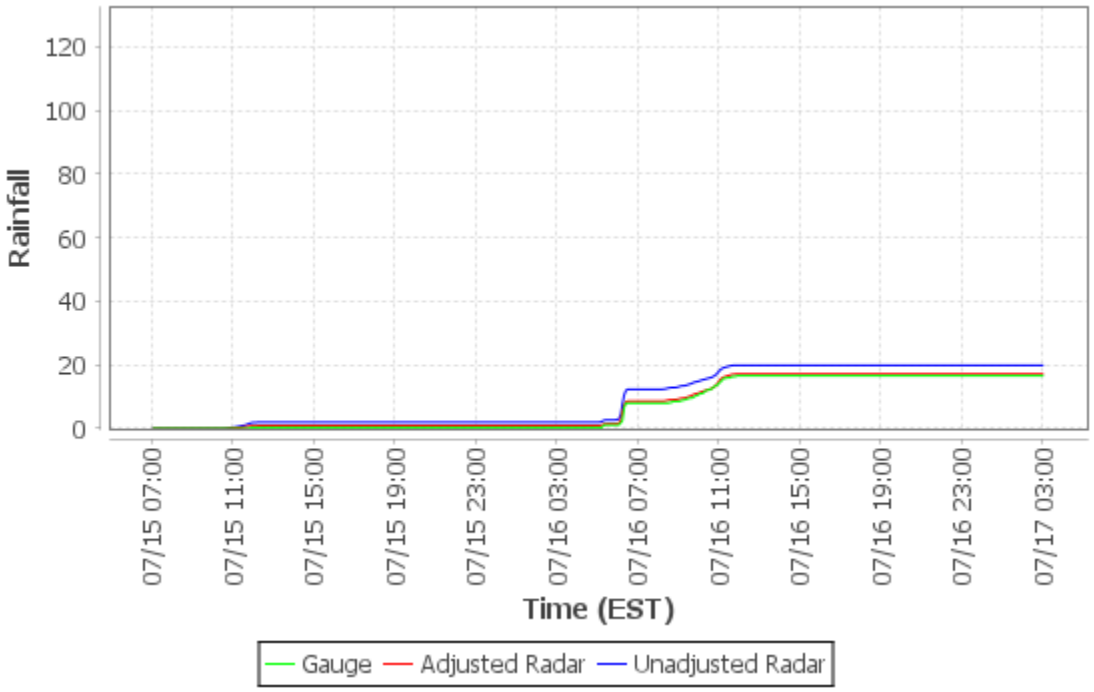
Cumulative Distribution Plot - SCARBOROUGH VILLAGE RECREATION CENTRE (TOR_RG-061)



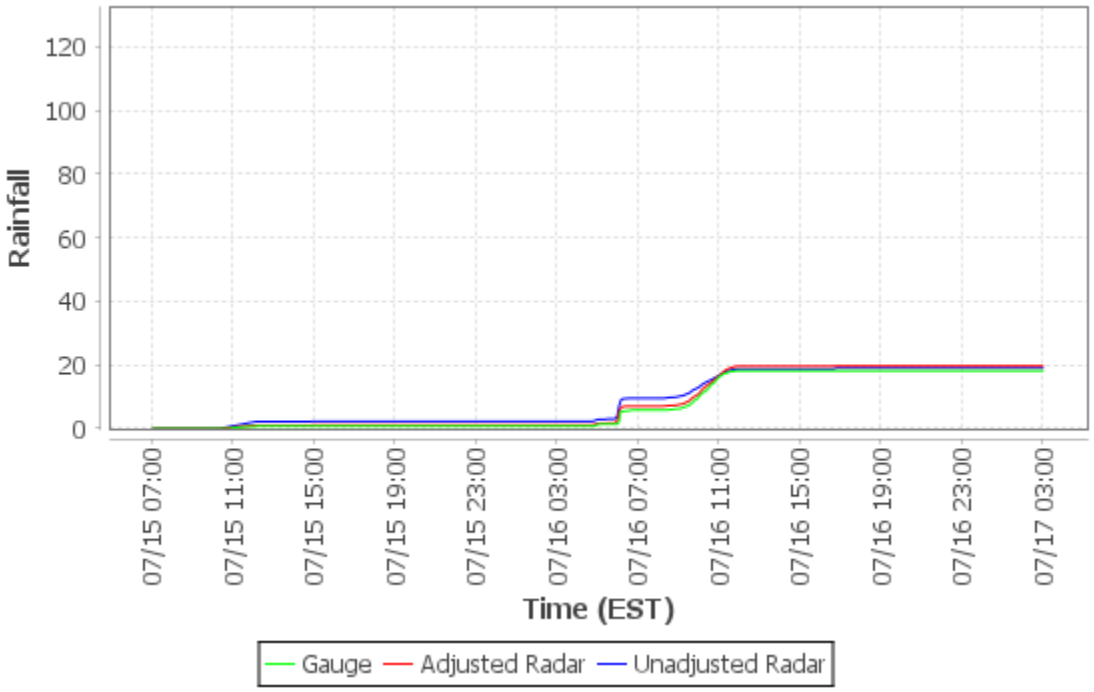
Cumulative Distribution Plot - Harwood Hall (TOR_RG-062)



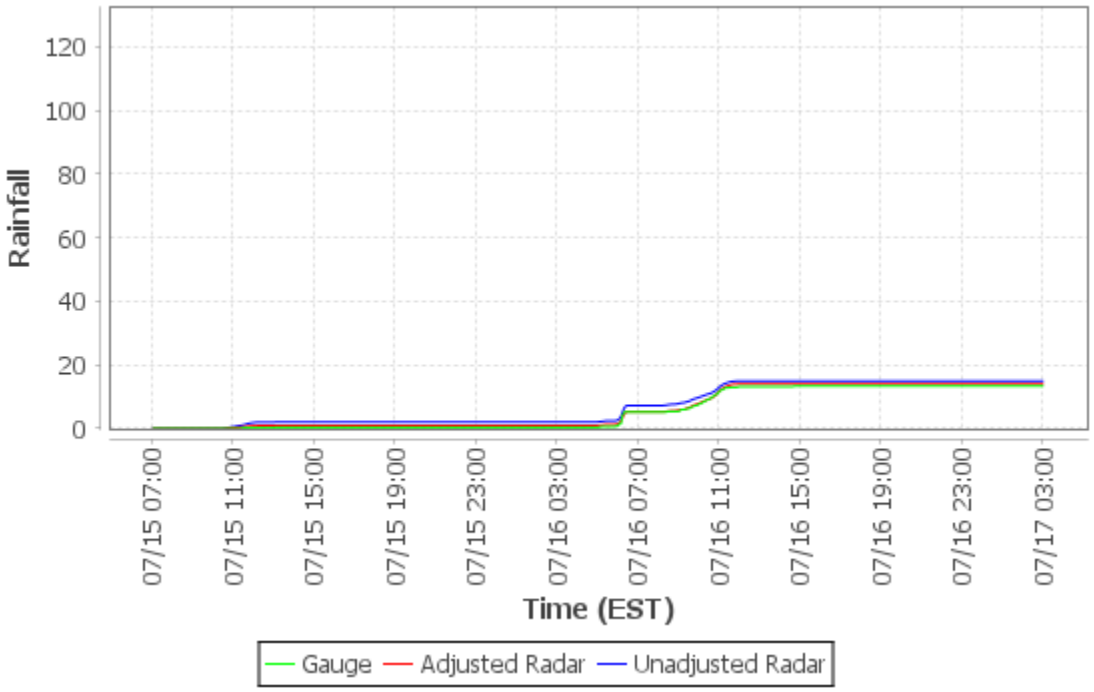
Cumulative Distribution Plot - 242 St John's Sideroad (R-YR-AU-01)



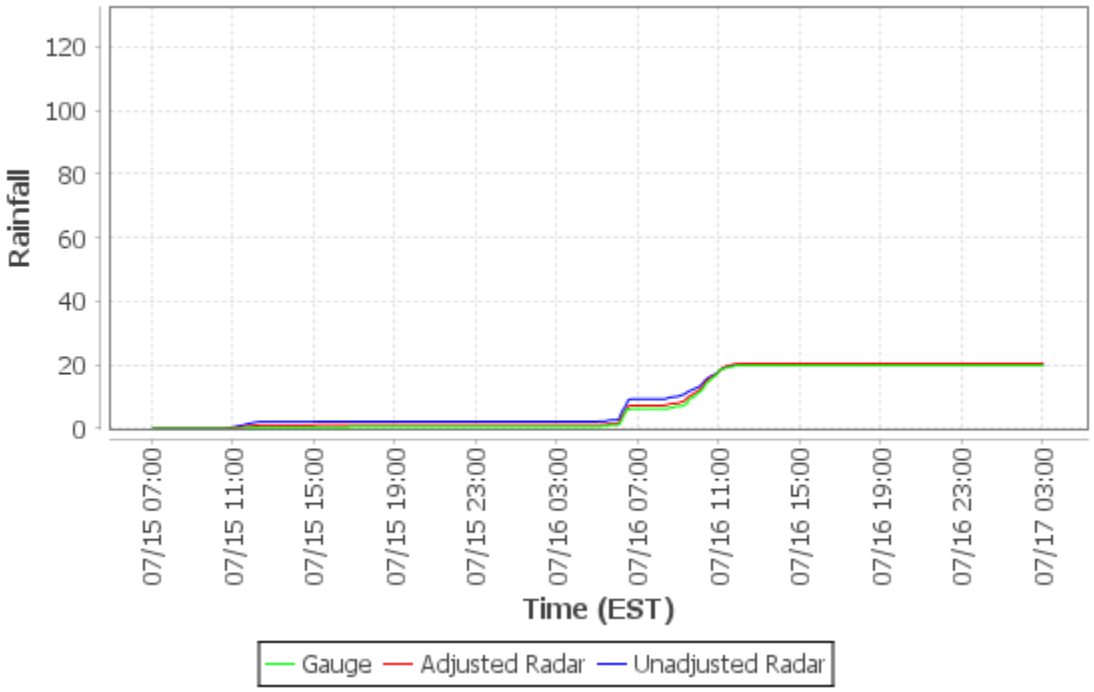
Cumulative Distribution Plot - 14019 Bathurst St. (R-YR-AU-02)



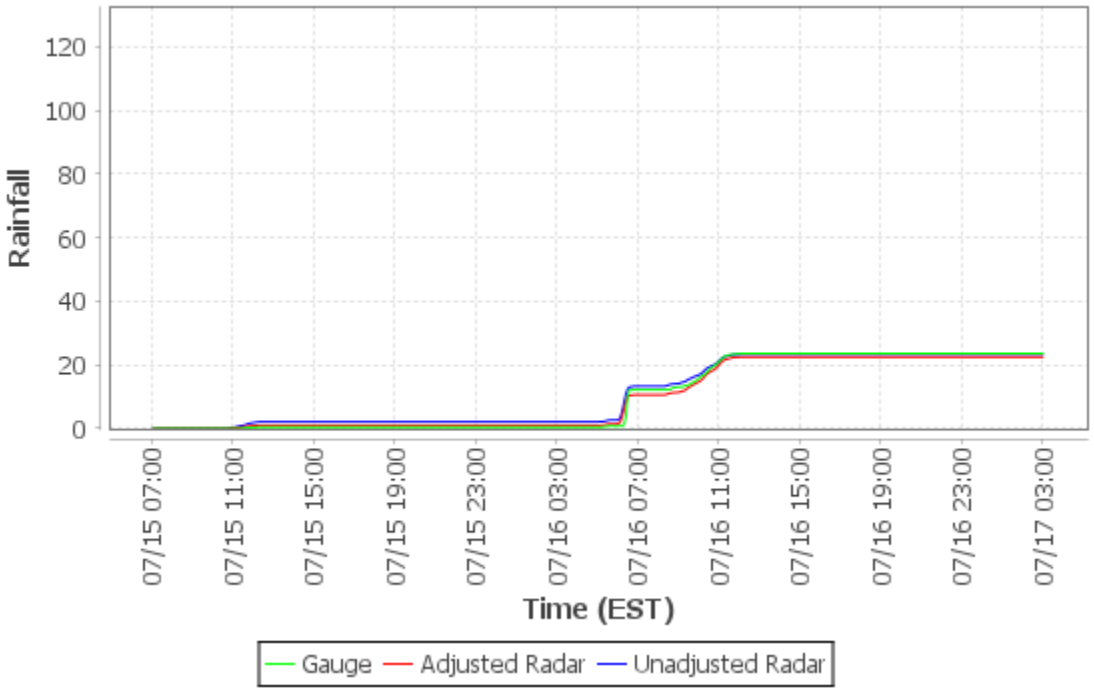
Cumulative Distribution Plot - 125 Wellington Street West (R-YR-AU-06)



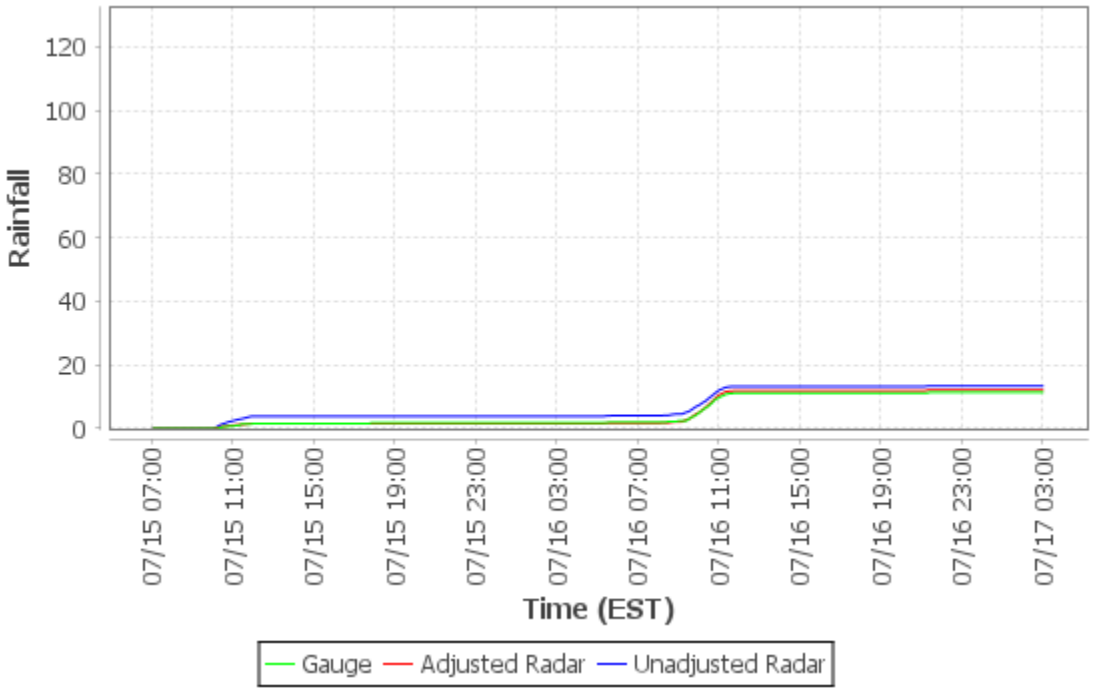
Cumulative Distribution Plot - 14875 Bayview Ave. (R-YR-AU-07)



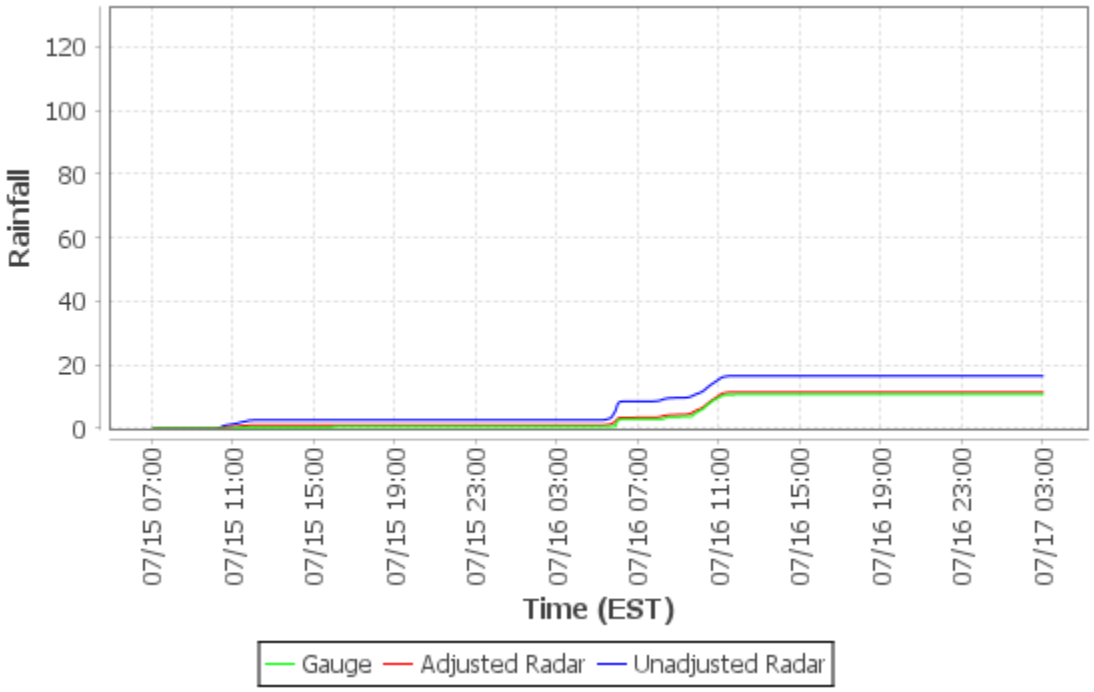
Cumulative Distribution Plot - 1400 Wellington Street East (R-YR-AU-09)



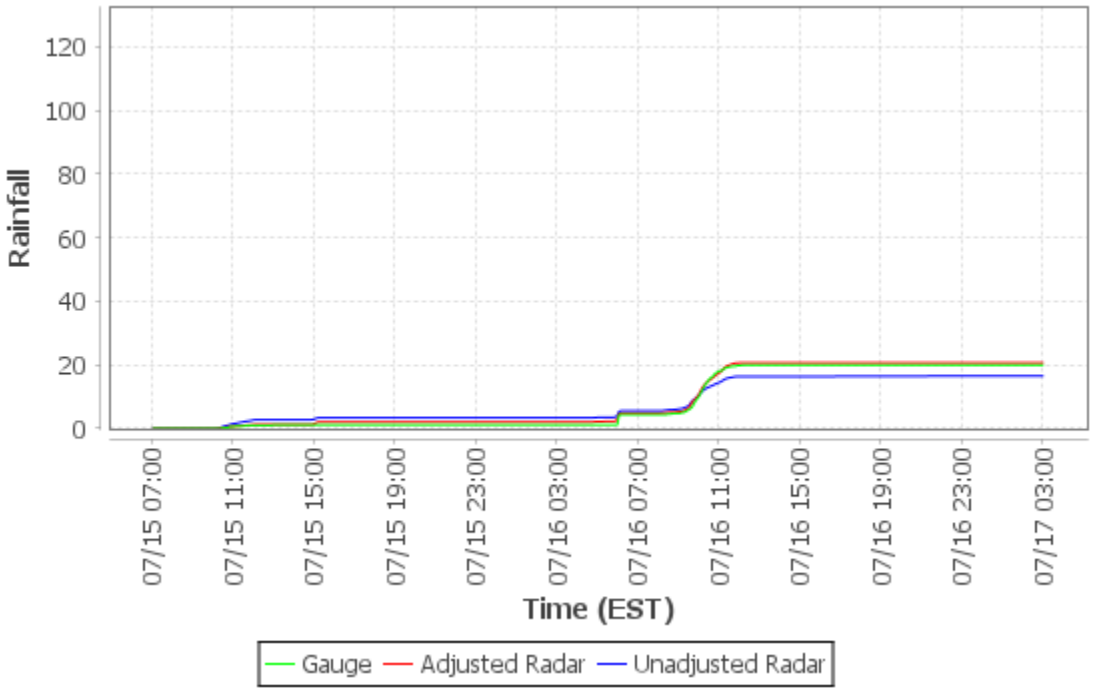
Cumulative Distribution Plot - 65 Janet Ave. (R-YR-KI-03)



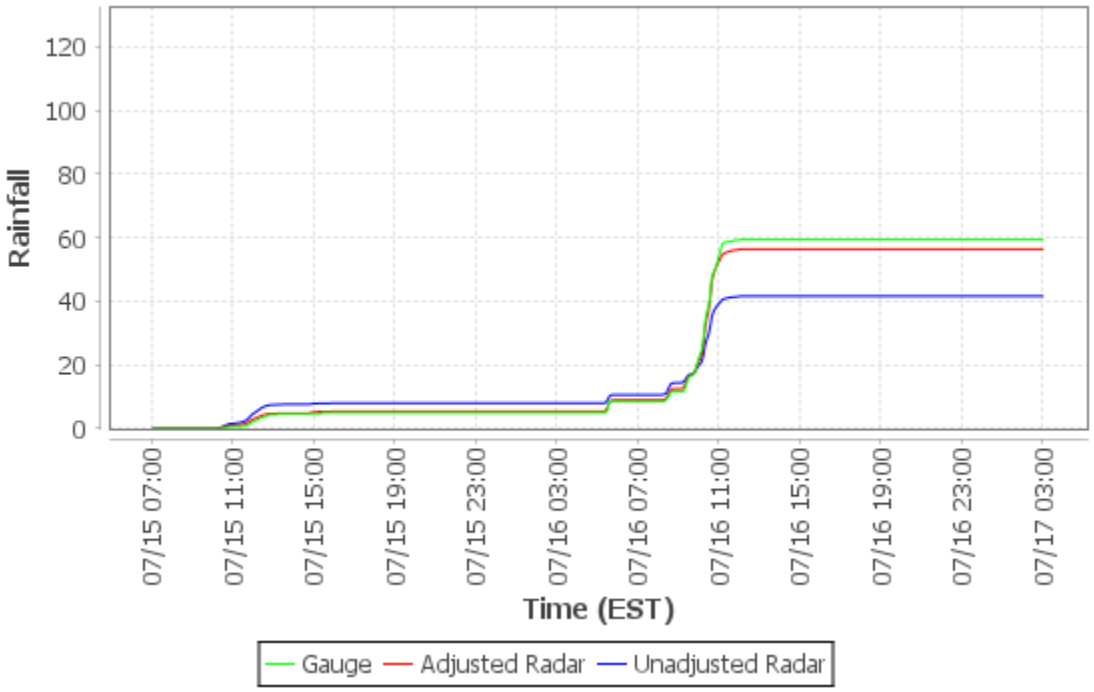
Cumulative Distribution Plot - 5 Dillane Drive (R-YR-KI-07)



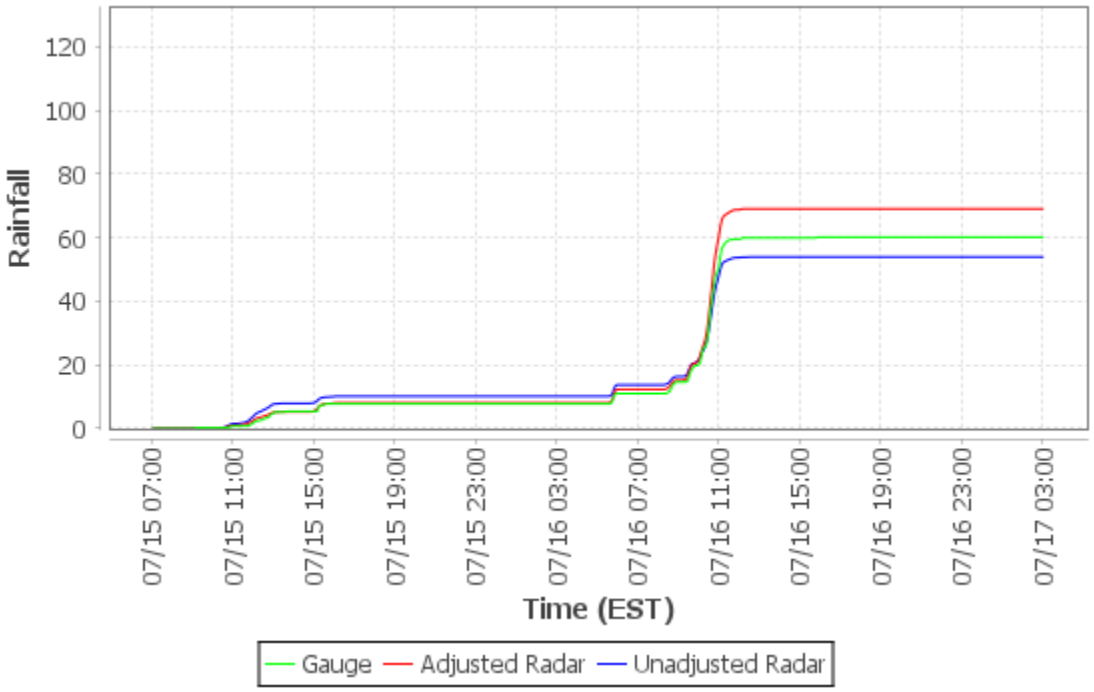
Cumulative Distribution Plot - 25 King Boulevard (R-YR-KI-08)



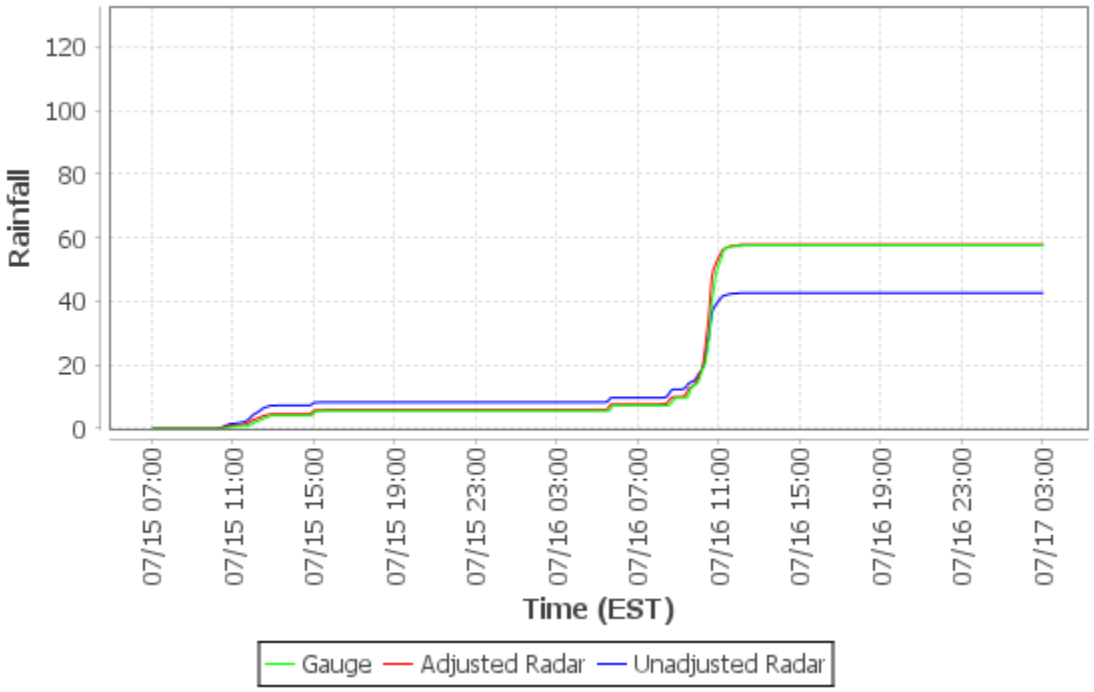
Cumulative Distribution Plot - 7021 Leslie Street (R-YR-MA-01)



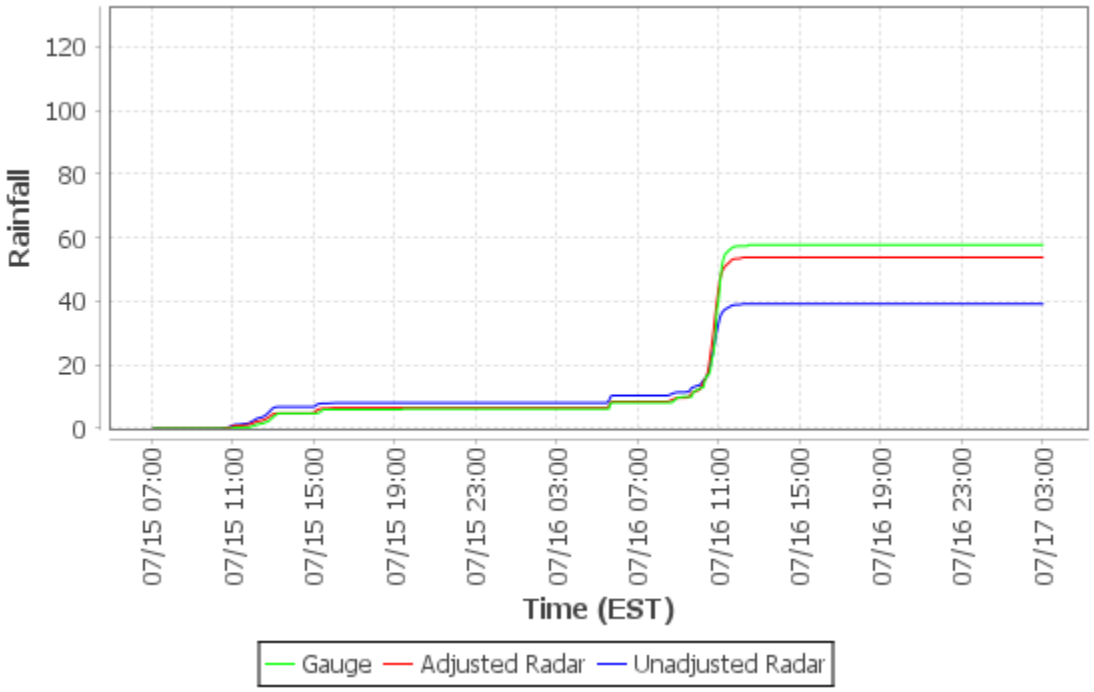
Cumulative Distribution Plot - 2401 Denison St. (R-YR-MA-03)



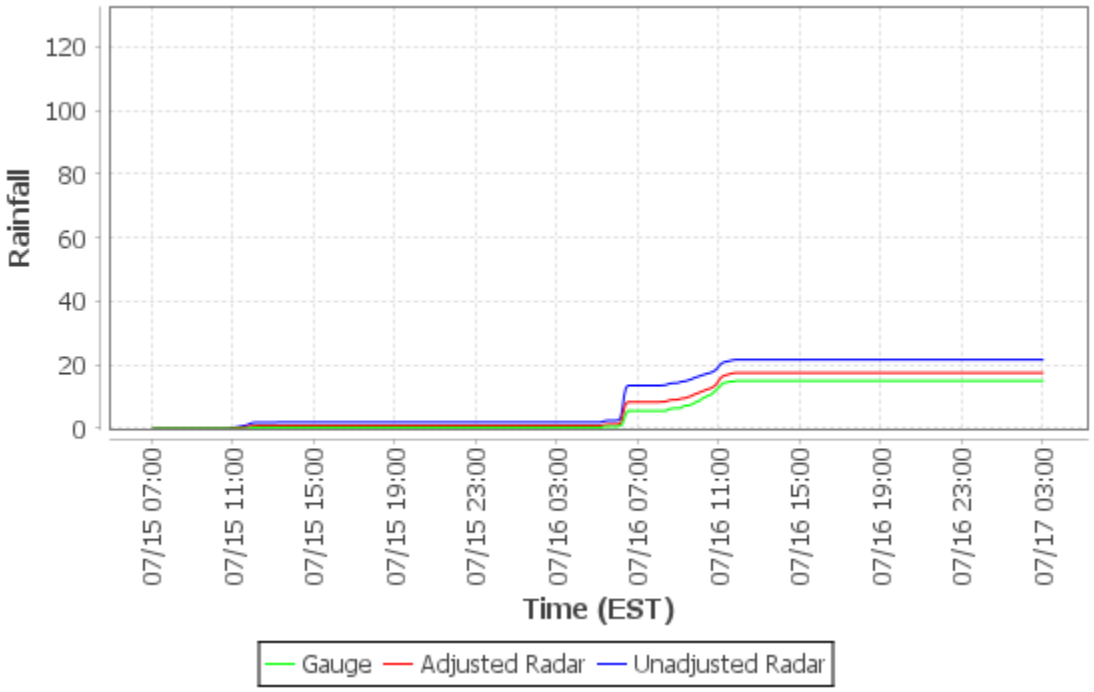
Cumulative Distribution Plot - 10 Riviera Dr. (R-YR-MA-19)



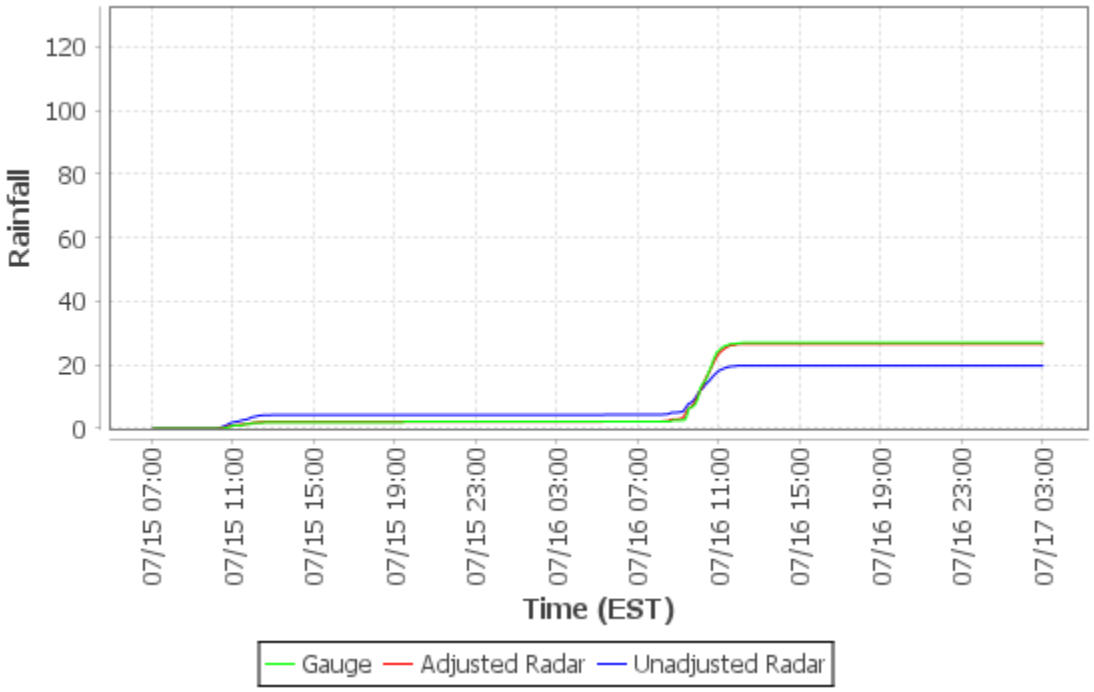
Cumulative Distribution Plot - 30 John Allen Cameron St. (R-YR-MA-20)



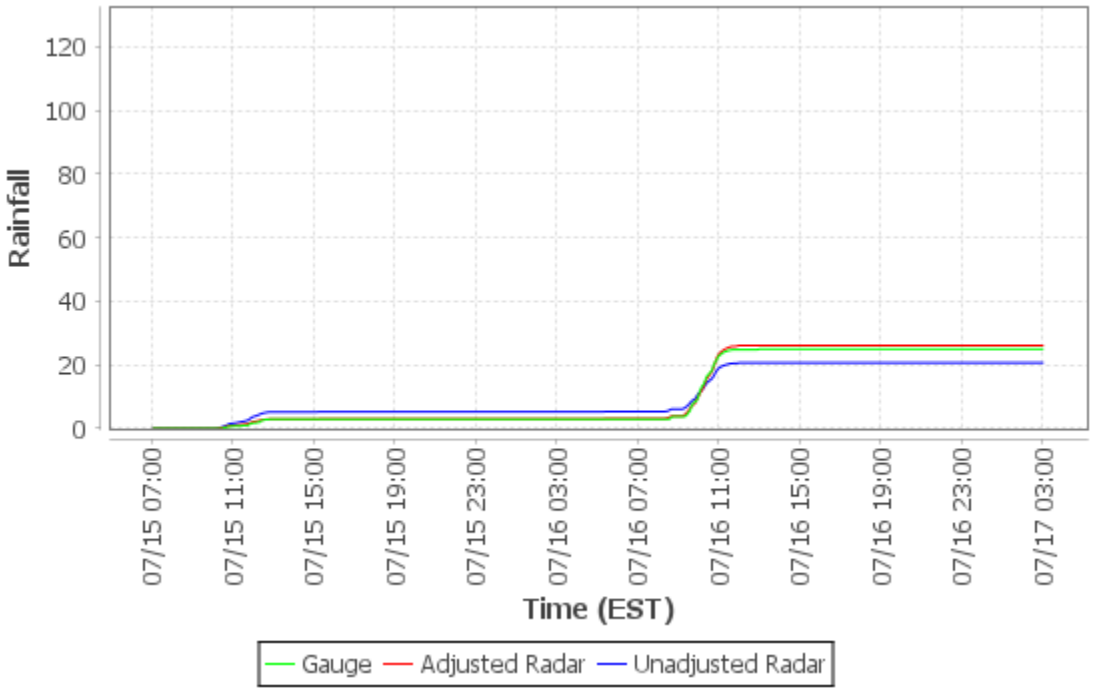
Cumulative Distribution Plot - 875 Stonehaven (R-YR-NE-07)



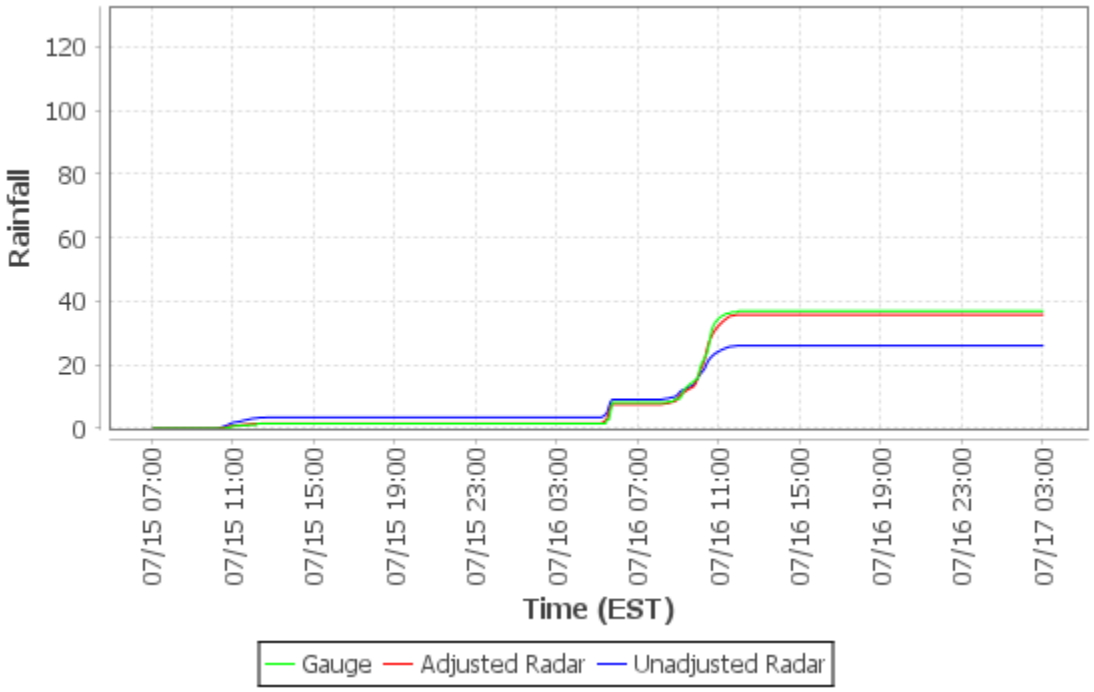
Cumulative Distribution Plot - 500 Major Mackenzie Drive East. (R-YR-RH-01)



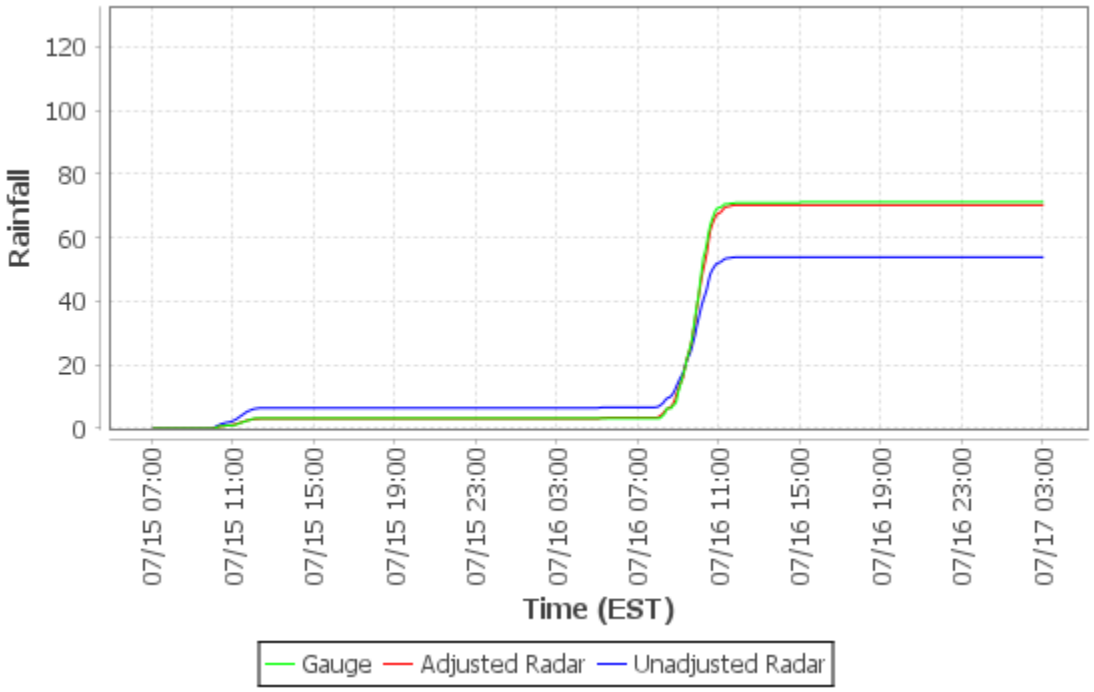
Cumulative Distribution Plot - 124 Blackmore Avenue (R-YR-RH-10)



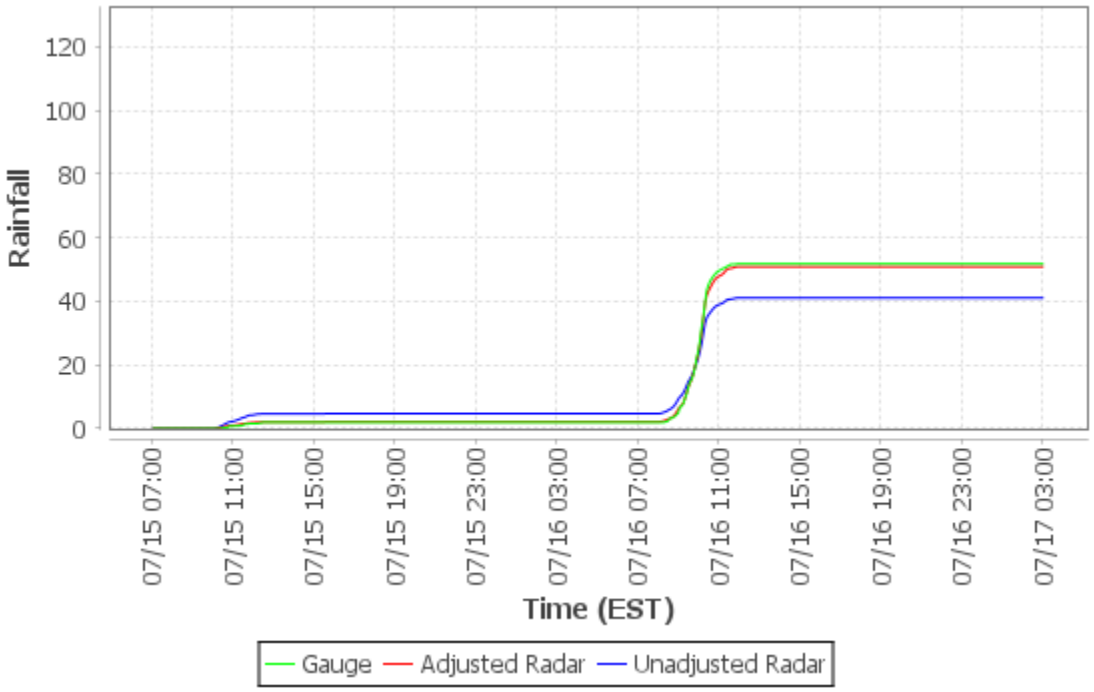
Cumulative Distribution Plot - 201 Yorkland Street (R-YR-RH-15)



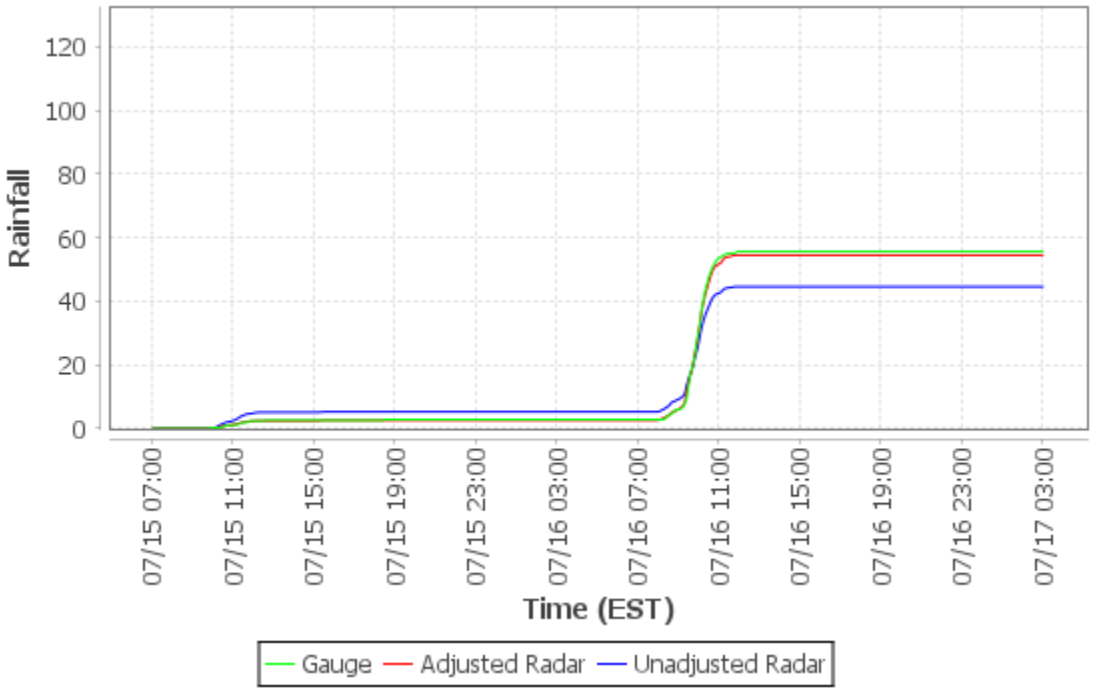
Cumulative Distribution Plot - 4738 Steeles Ave. W. (R-YR-VA-01)



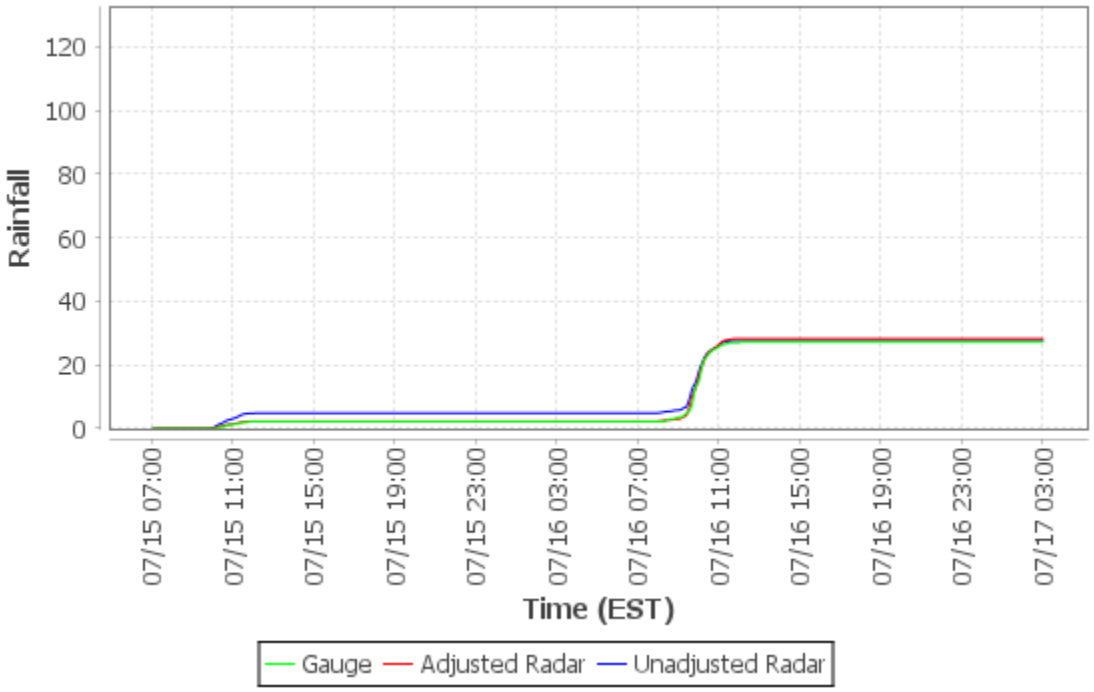
Cumulative Distribution Plot - 2850 Rutherford Rd. (R-YR-VA-02)



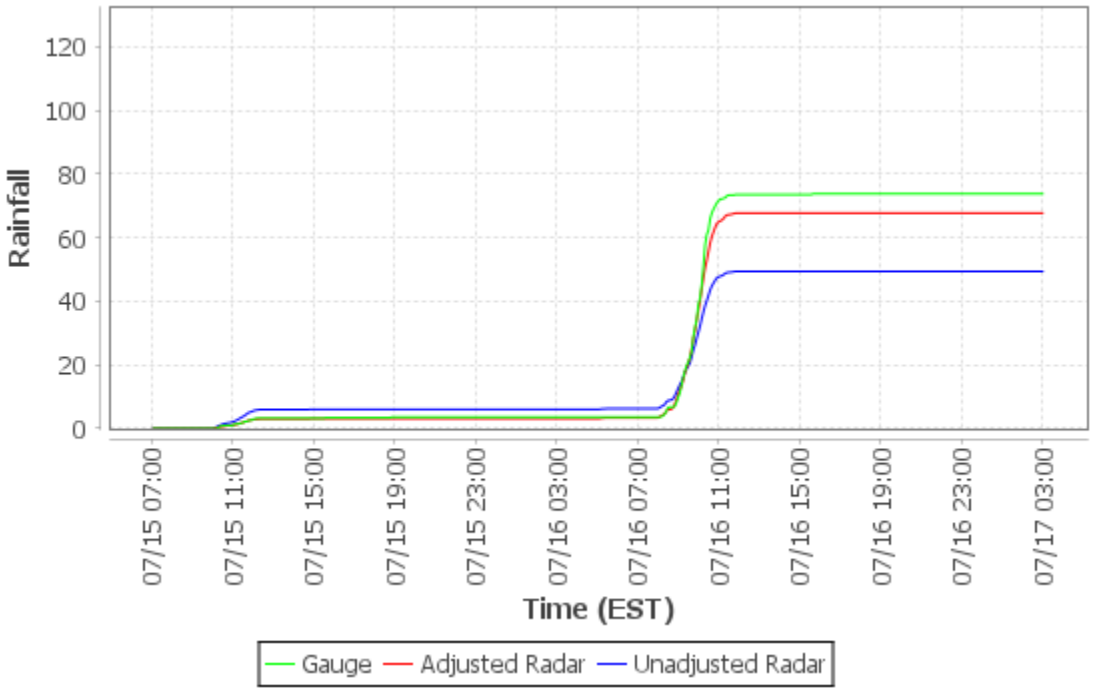
Cumulative Distribution Plot - 4630 Langstaff Rd. (R-YR-VA-03)



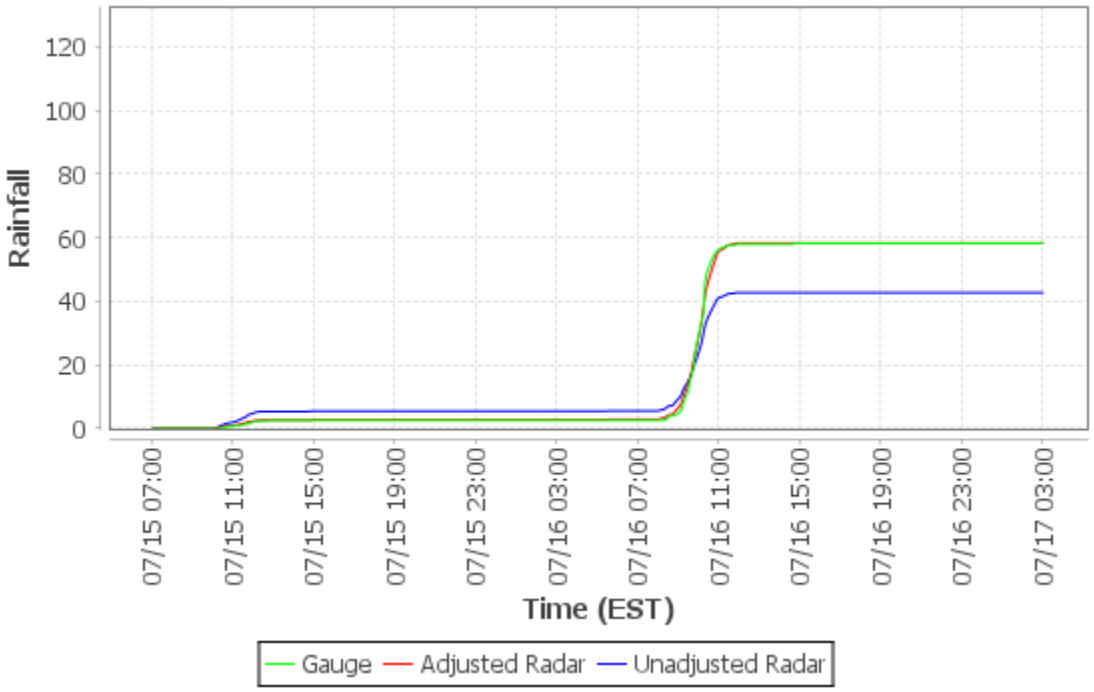
Cumulative Distribution Plot - 10299 Hwy 27 (R-YR-VA-04)



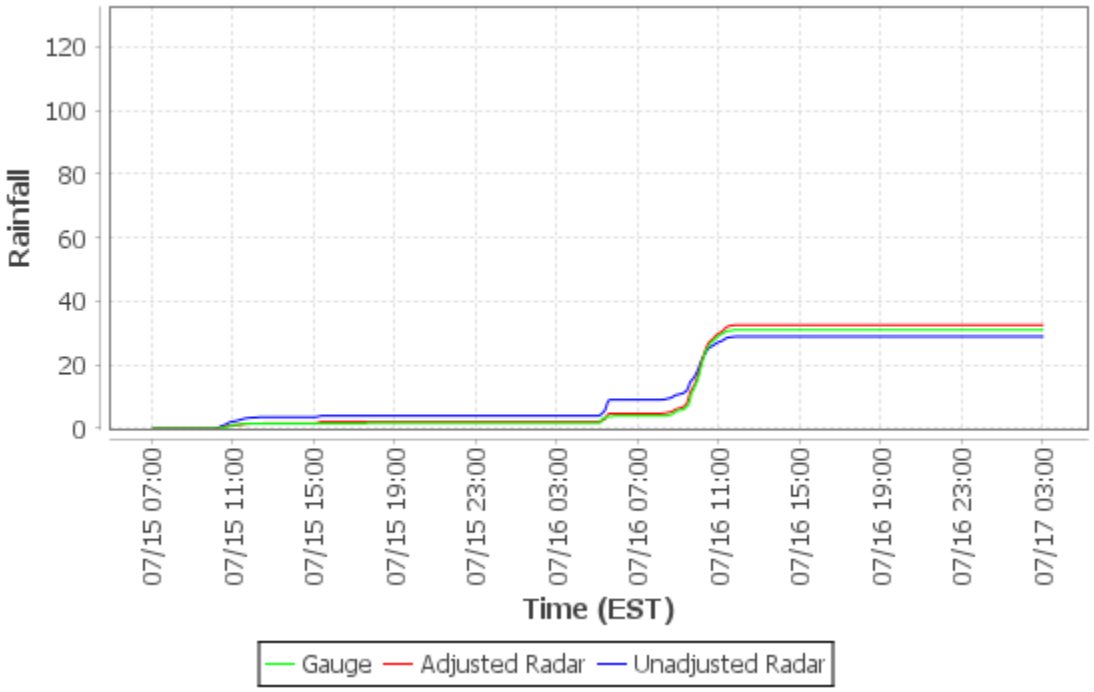
Cumulative Distribution Plot - 11 Aviva Park Dr. (R-YR-VA-09)



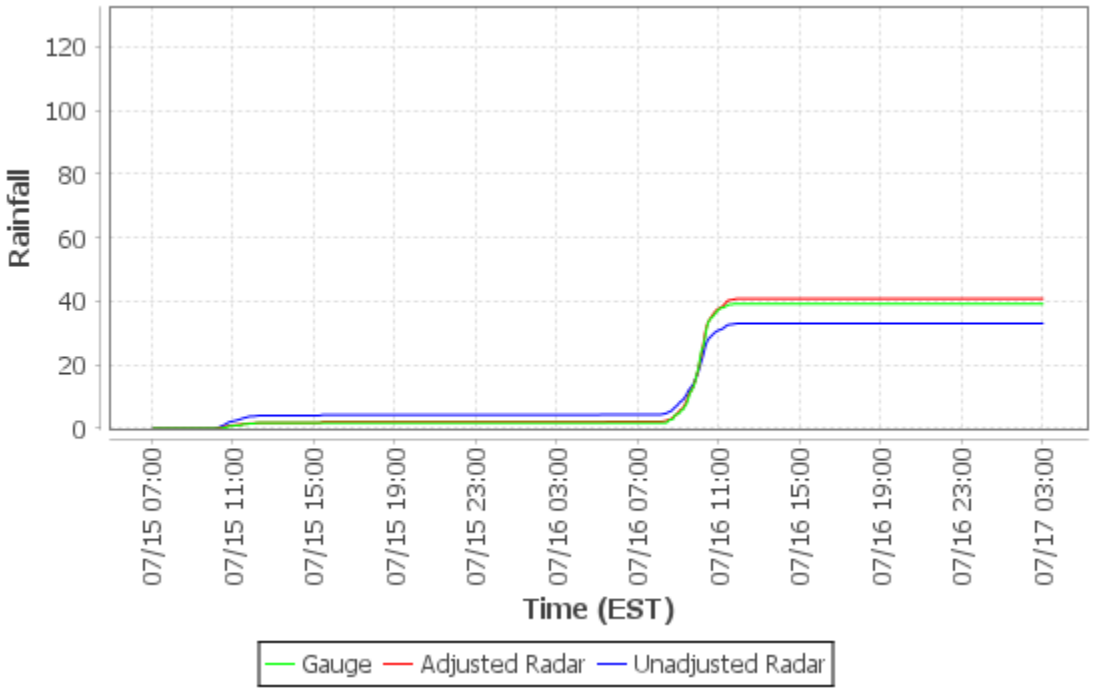
Cumulative Distribution Plot - 130 McCleary Crt. (R-YR-VA-10)



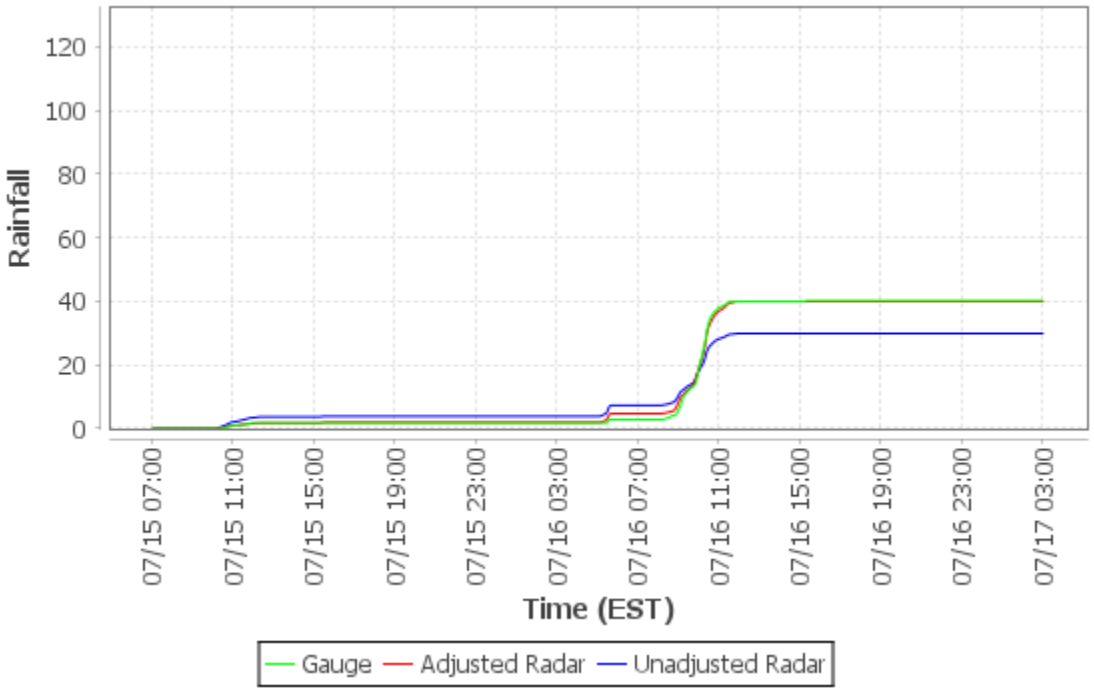
Cumulative Distribution Plot - 11201 Keele St. (R-YR-VA-11)



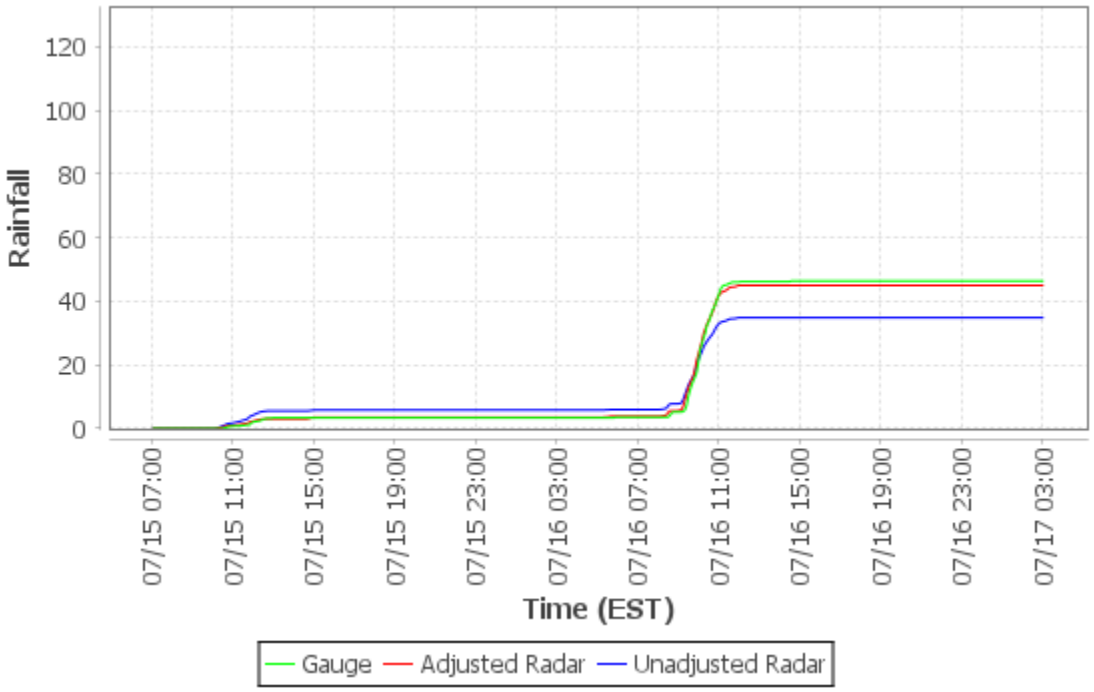
Cumulative Distribution Plot - 10190 Keele Street (R-YR-VA-13)



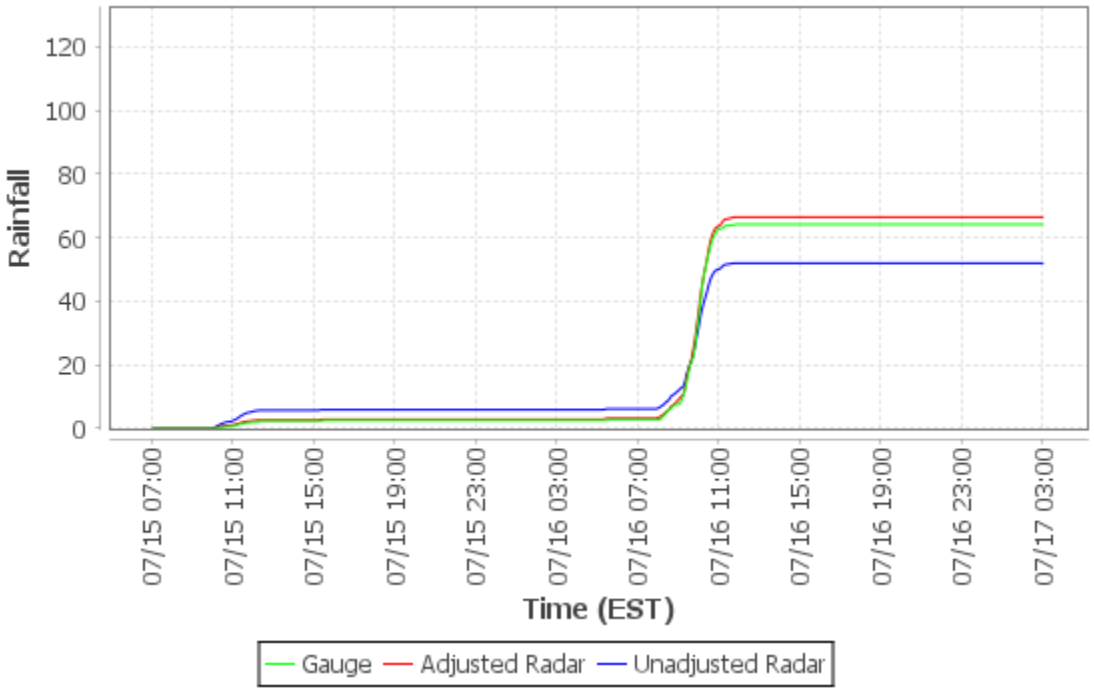
Cumulative Distribution Plot - 900 Teston Rd. (R-YR-VA-16)



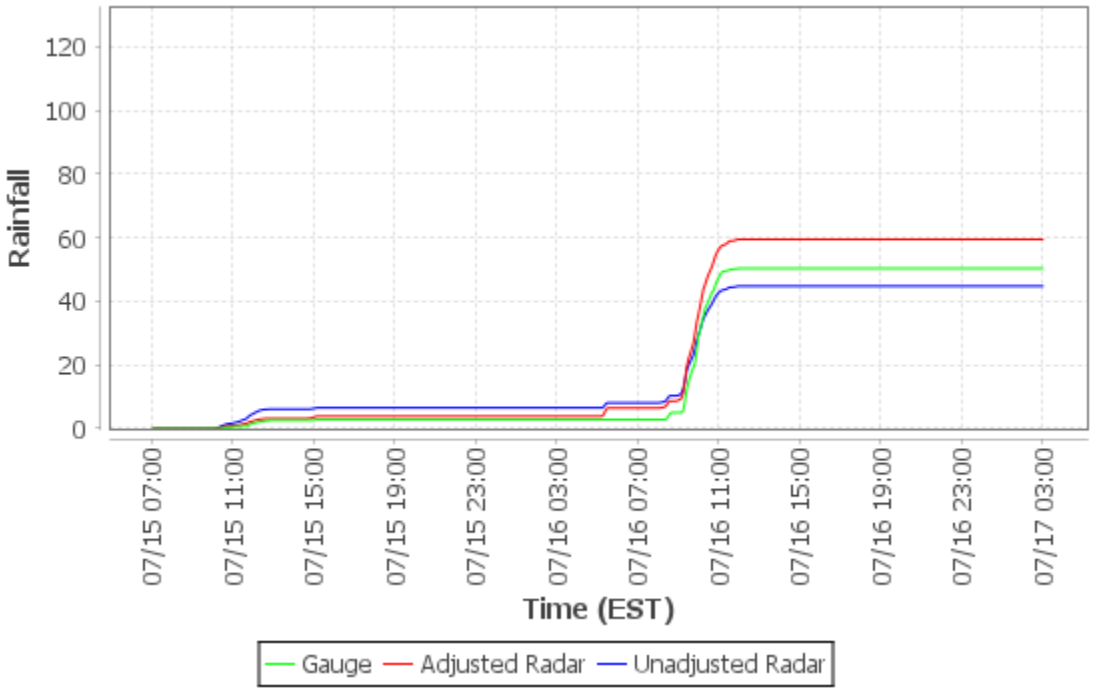
Cumulative Distribution Plot - 300 Rosedale Heights (R-YR-VA-22)



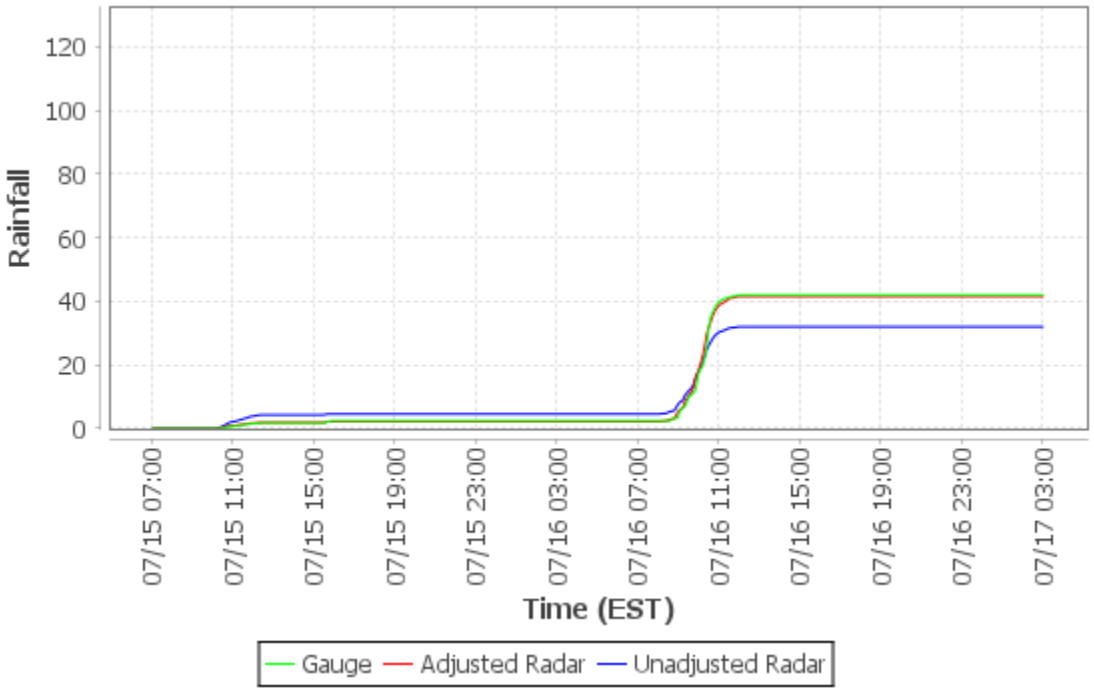
Cumulative Distribution Plot - 60 Burwick (R-YR-VA-23)



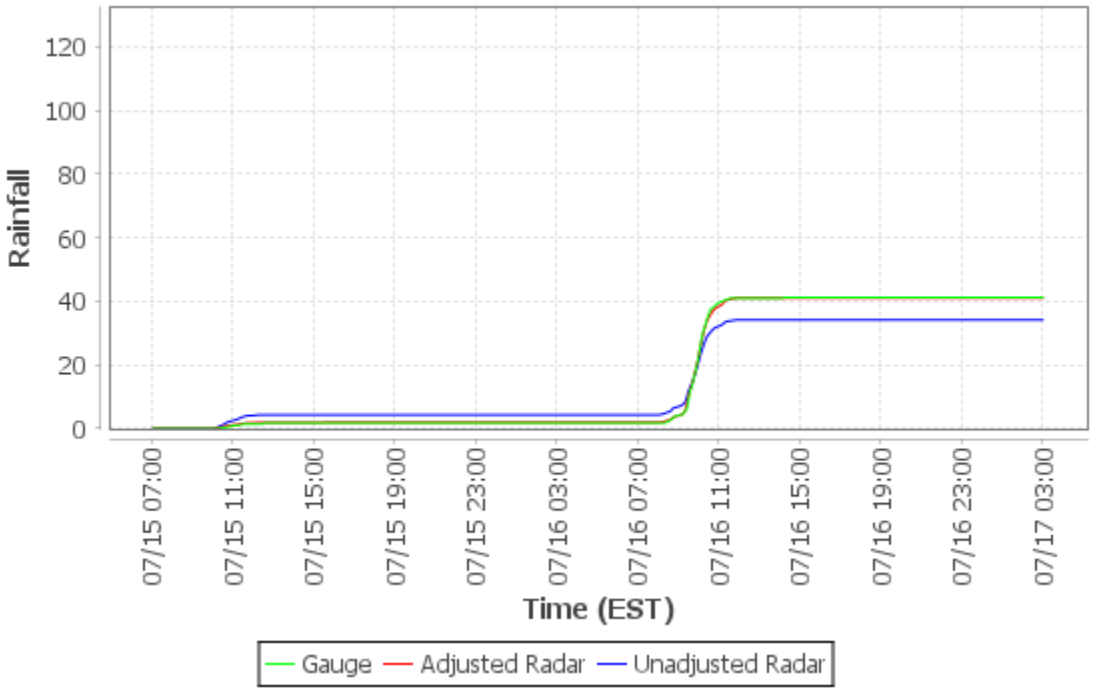
Cumulative Distribution Plot - 121 Joseph Aaron Blvd (R-YR-VA-24)



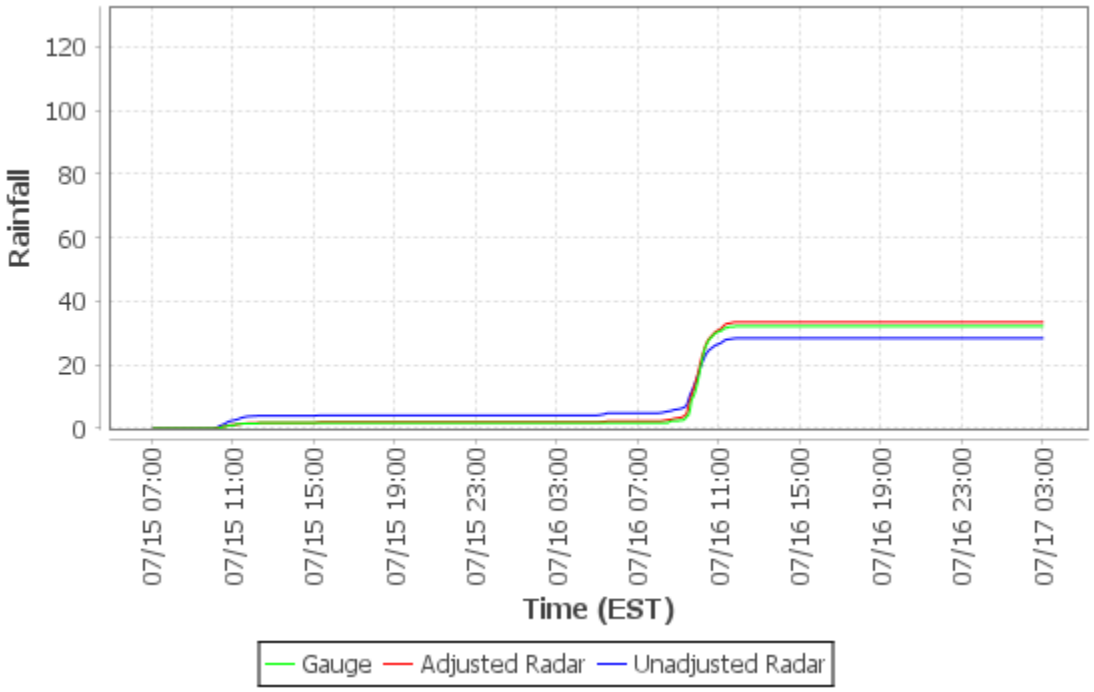
Cumulative Distribution Plot - 360 Thomas Cook Avenue (R-YR-VA-26)



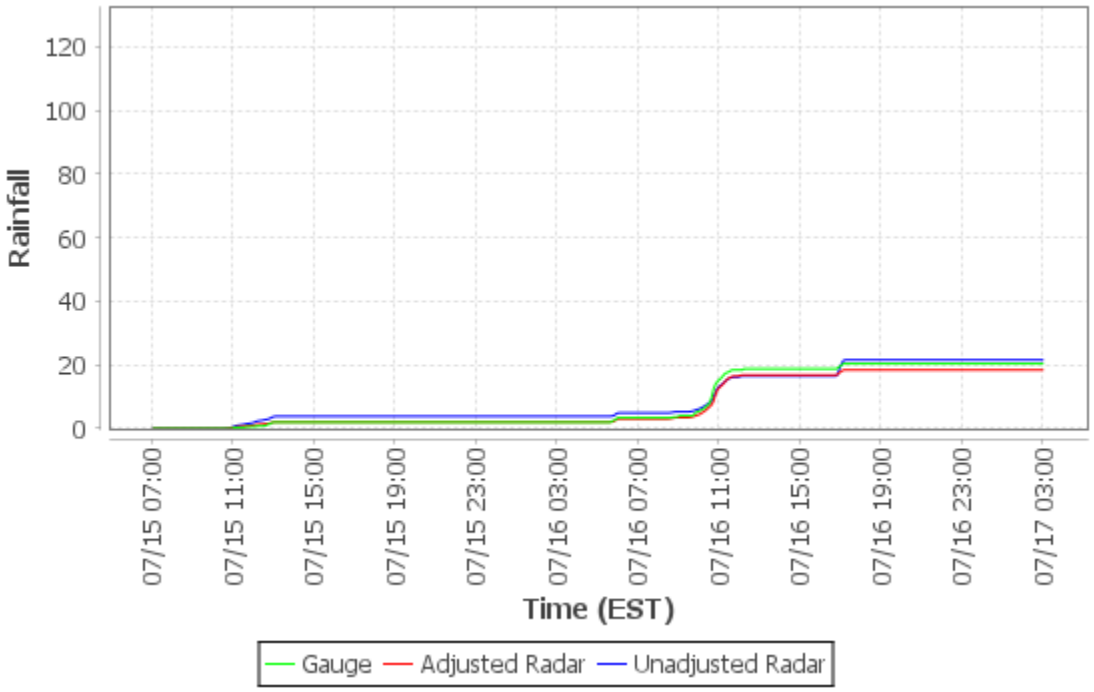
Cumulative Distribution Plot - 115 Starling Blvd (R-YR-VA-27)



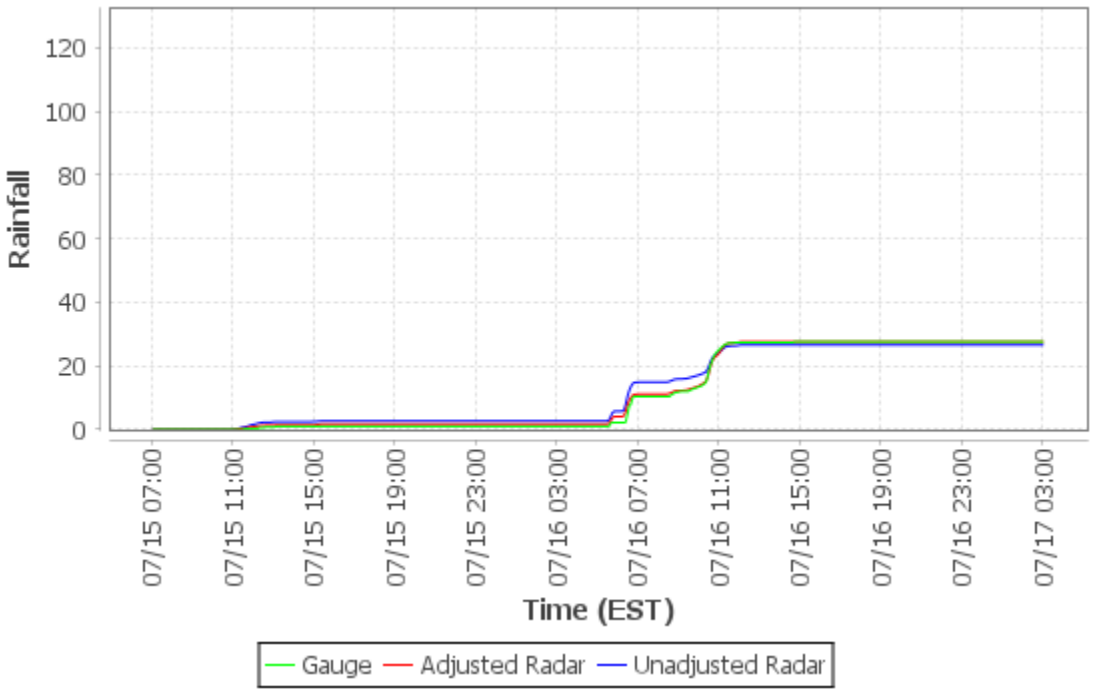
Cumulative Distribution Plot - 675 Vellore Park Avenue (R-YR-VA-28)



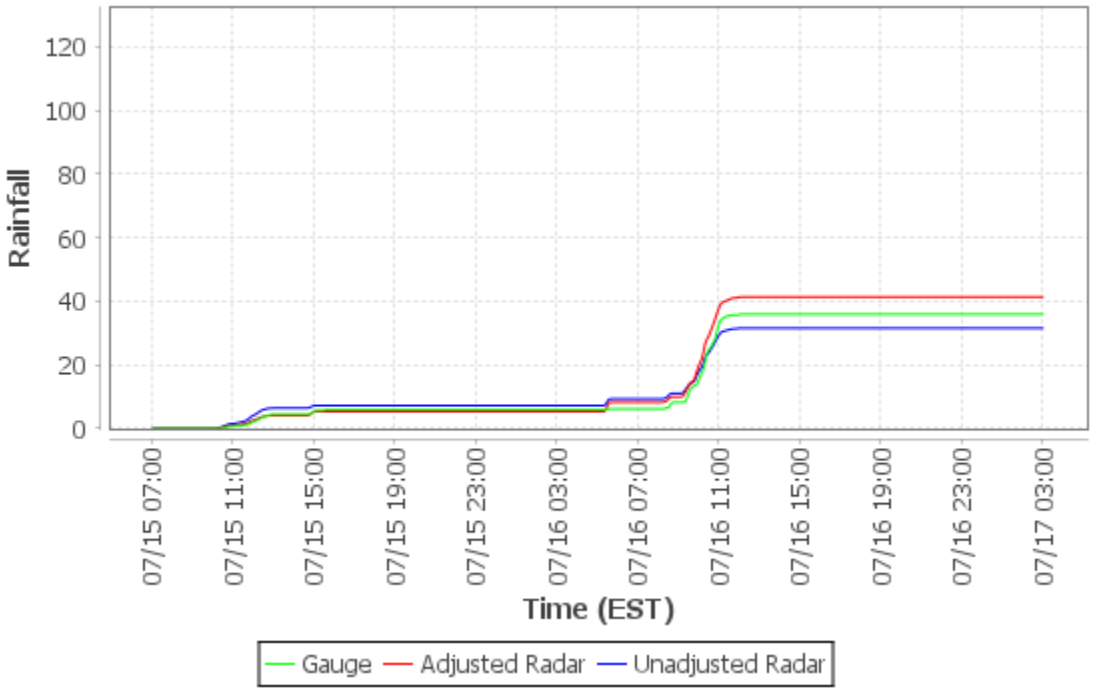
Cumulative Distribution Plot - 100 Weldon Rd. (R-YR-WS-05)



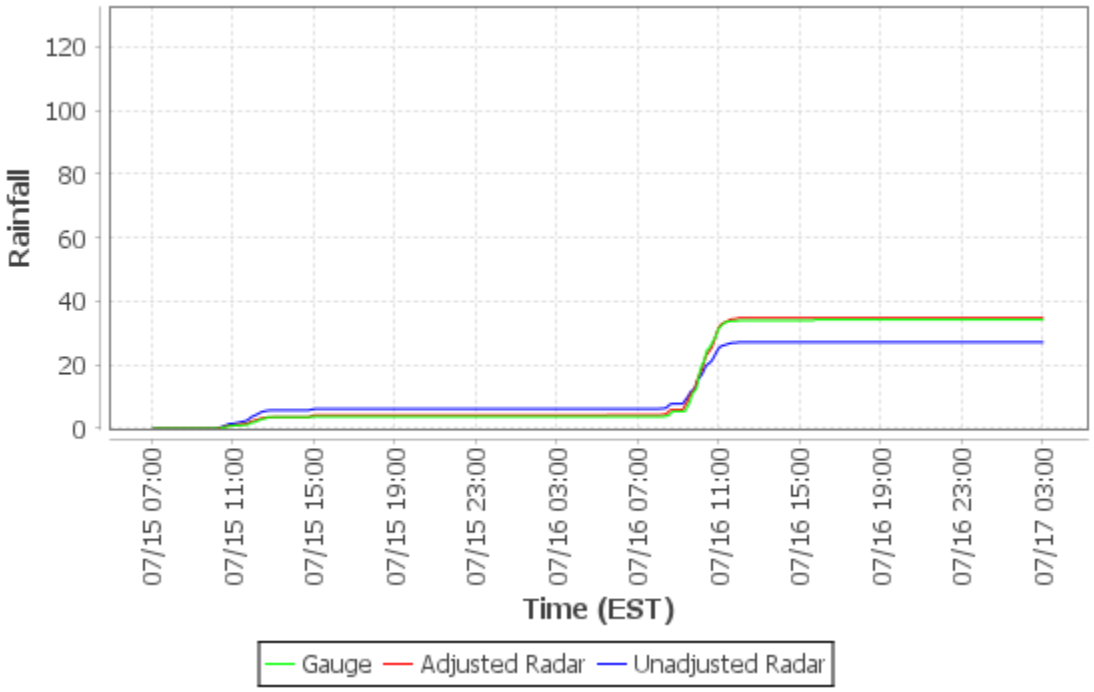
Cumulative Distribution Plot - 5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4 (R-YR-WS-06)



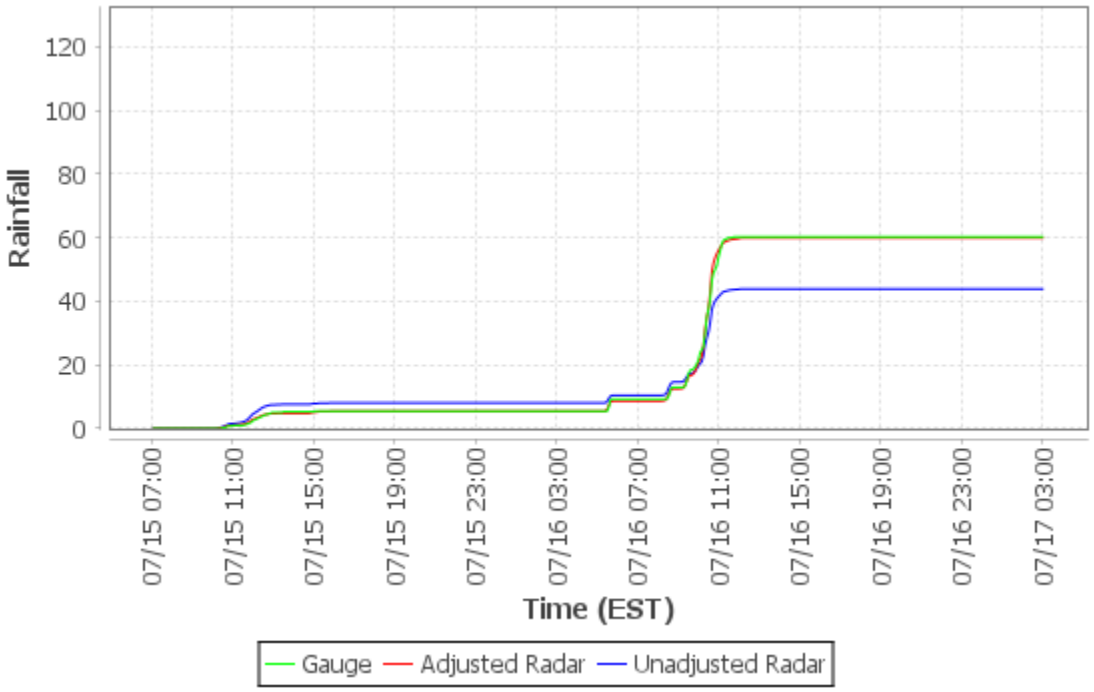
Cumulative Distribution Plot - Thornhill C.C. (R-MUN-MA-05)



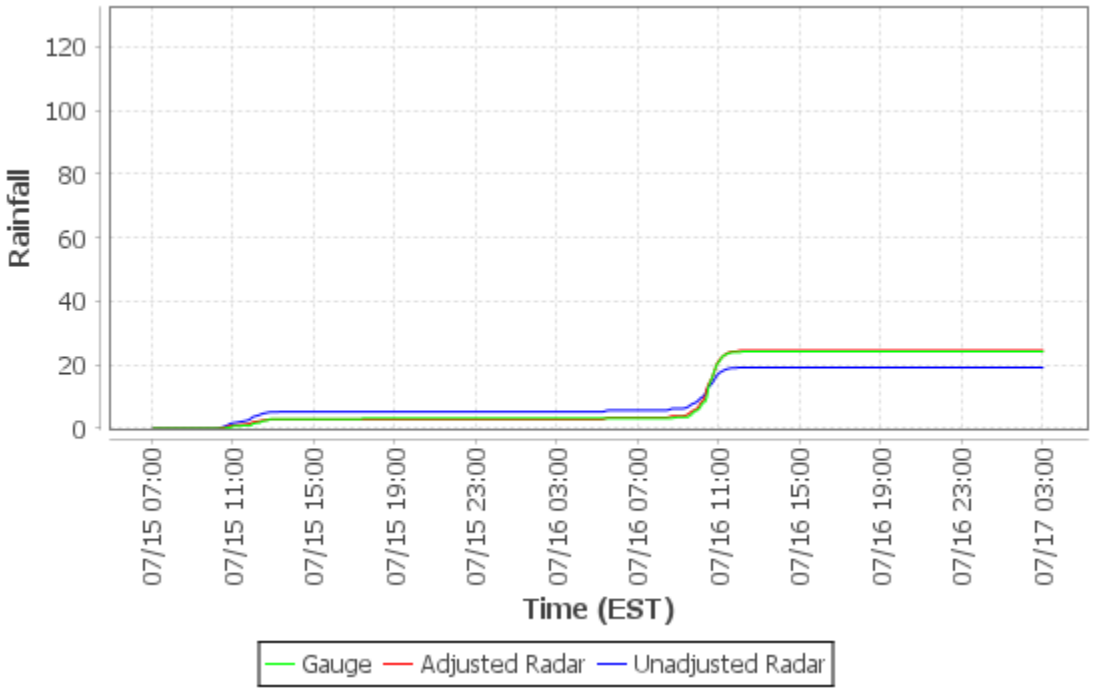
Cumulative Distribution Plot - Stornoway P.S. (R-MUN-MA-07)



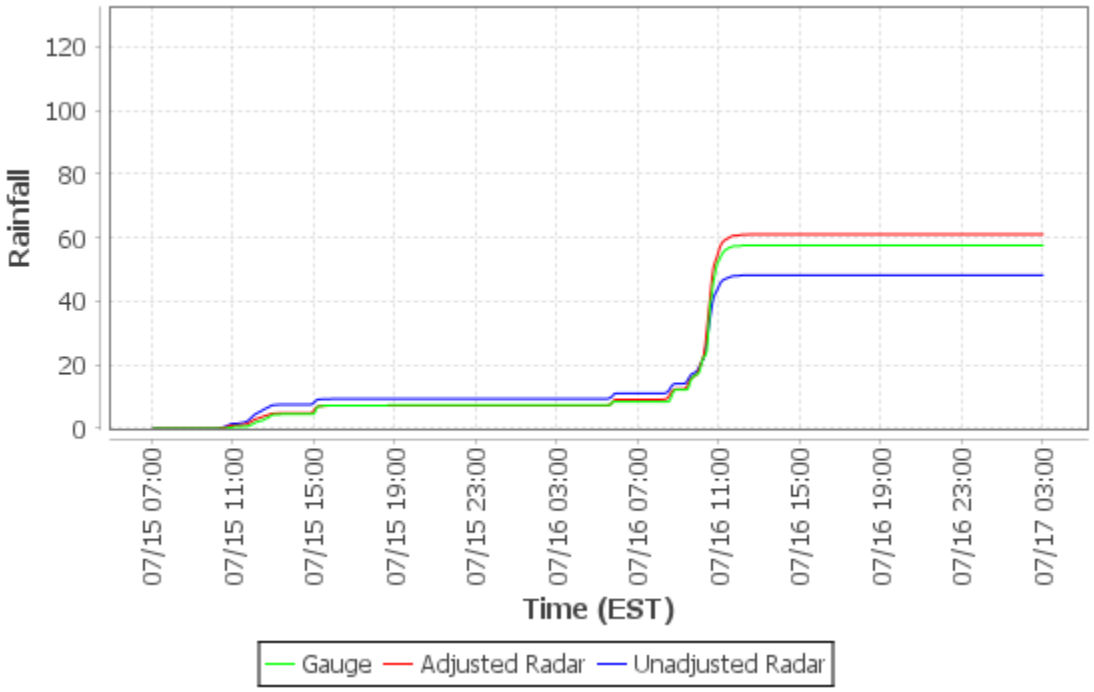
Cumulative Distribution Plot - German Mills P.S. (R-MUN-MA-08)



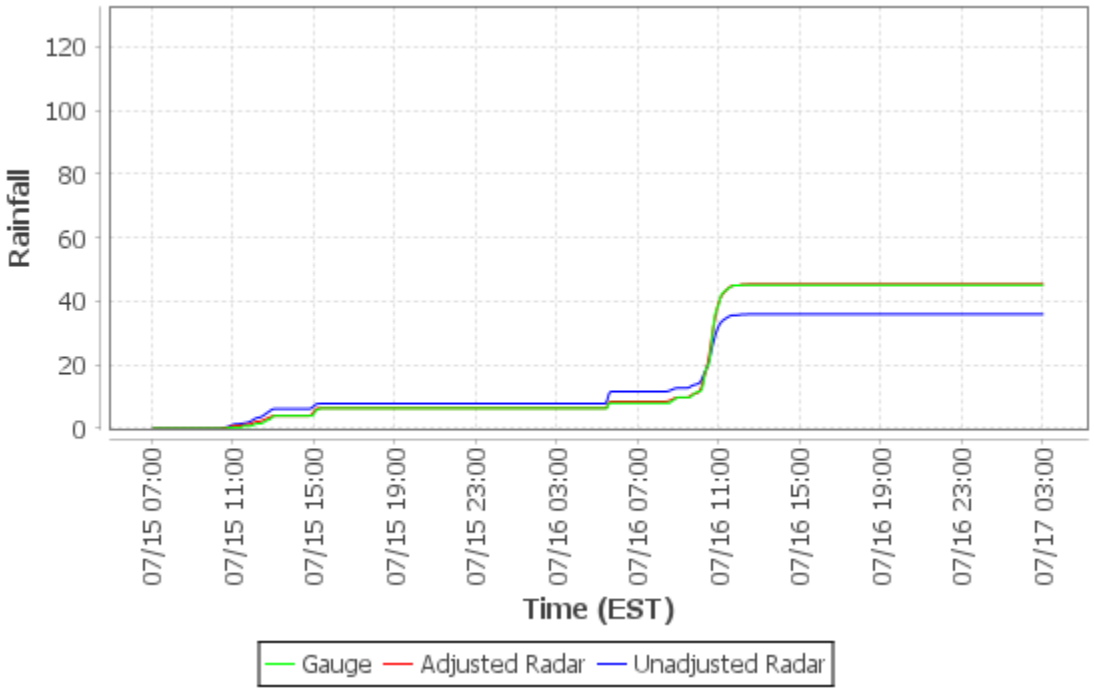
Cumulative Distribution Plot - Lincoln Alexander P.S. (R-MUN-MA-09)



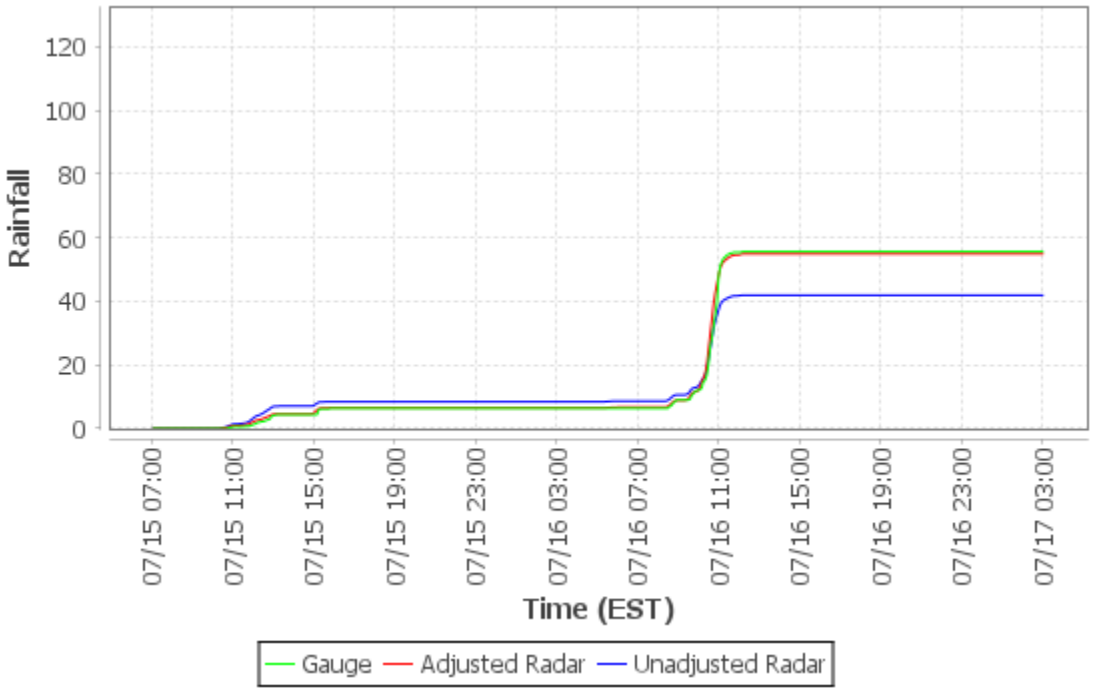
Cumulative Distribution Plot - Milliken Mills C.C. (R-MUN-MA-11)



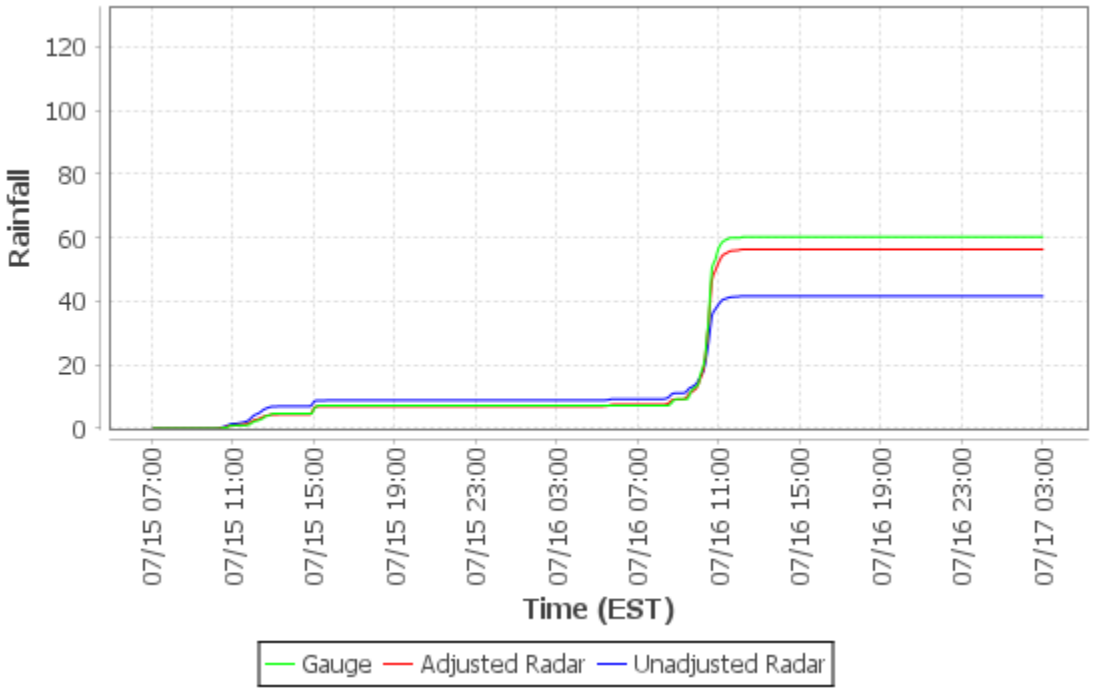
Cumulative Distribution Plot - Markham Museum (R-MUN-MA-12)



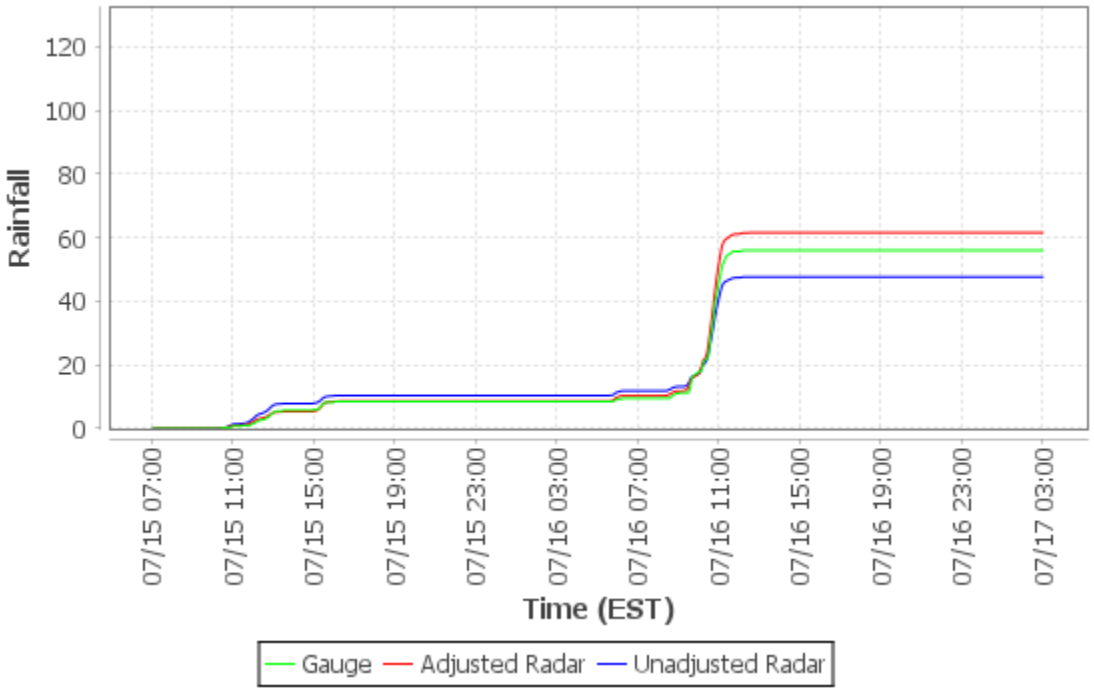
Cumulative Distribution Plot - Roy H Crosby P.S. (R-MUN-MA-13)



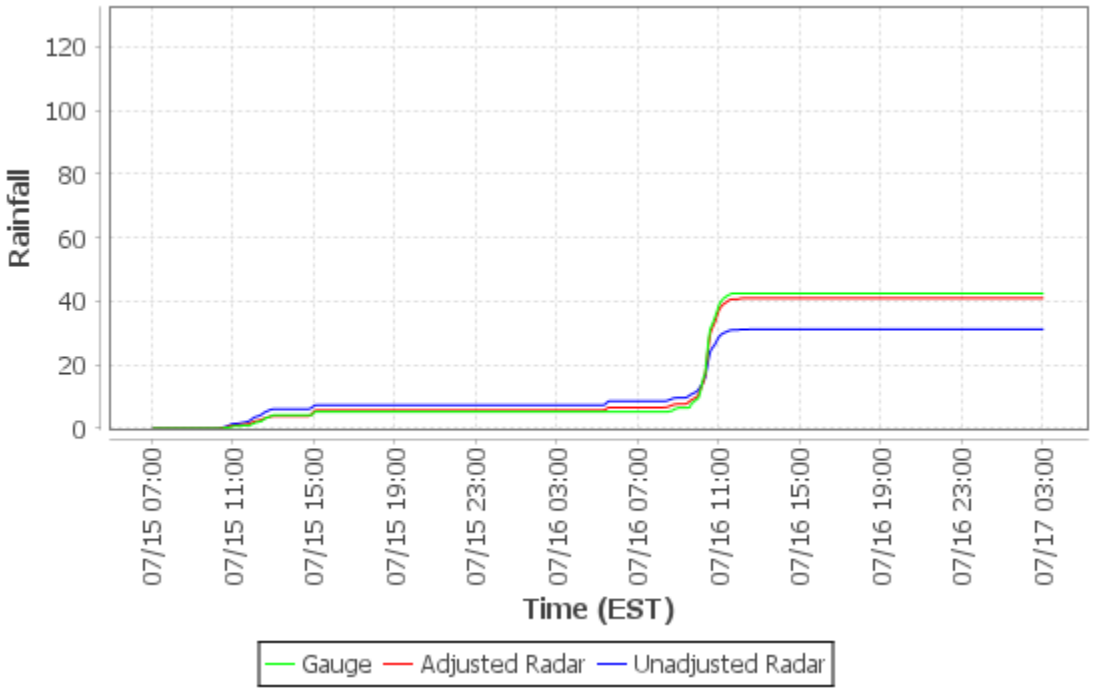
Cumulative Distribution Plot - 8100 Warden Ave (R-MUN-MA-14)



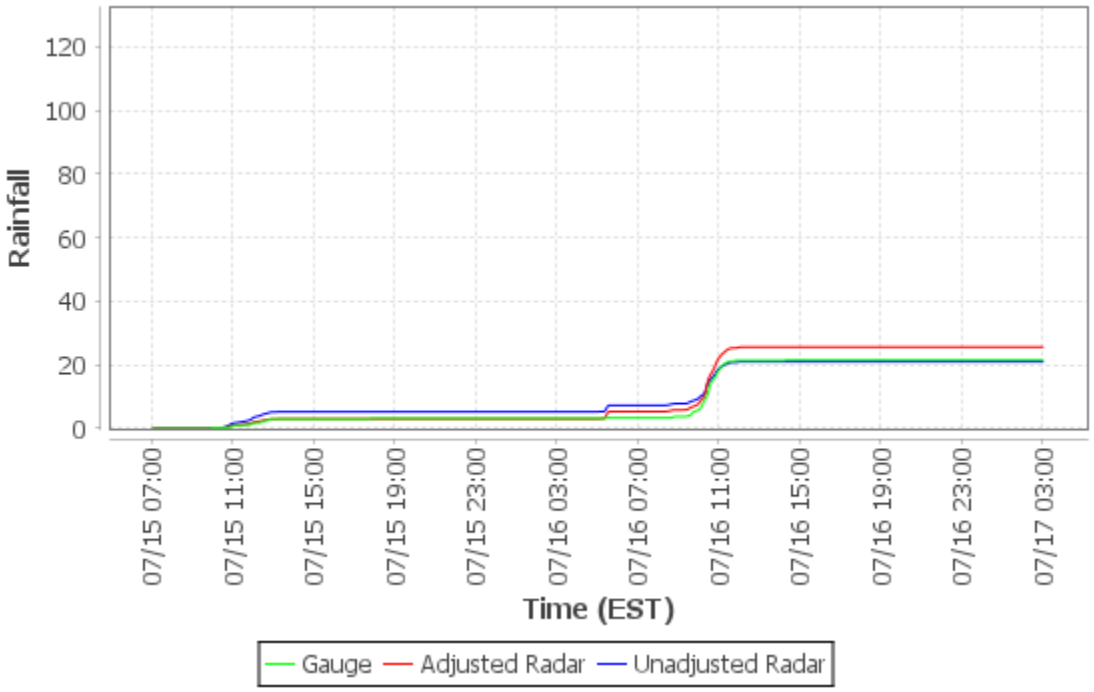
Cumulative Distribution Plot - Rouge River C.C. (R-MUN-MA-15)



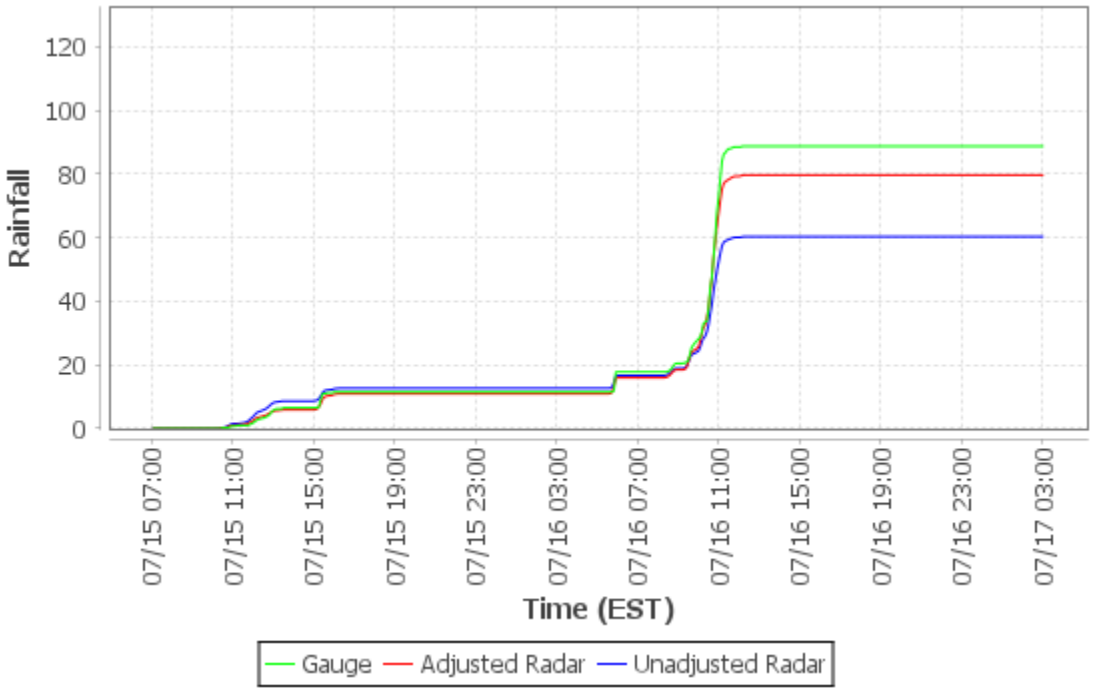
Cumulative Distribution Plot - Fire Hall #94 (R-MUN-MA-16)



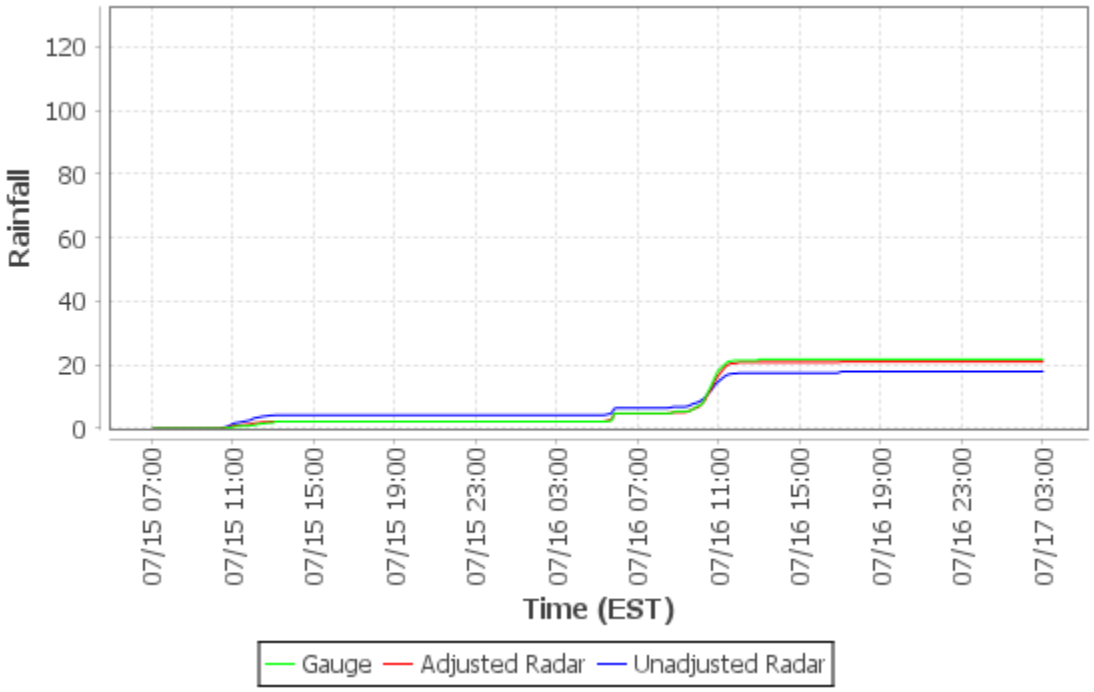
Cumulative Distribution Plot - Angus Glen C.C. (R-MUN-MA-18)



Cumulative Distribution Plot - Parkland P.S. (R-MUN-MA-21)

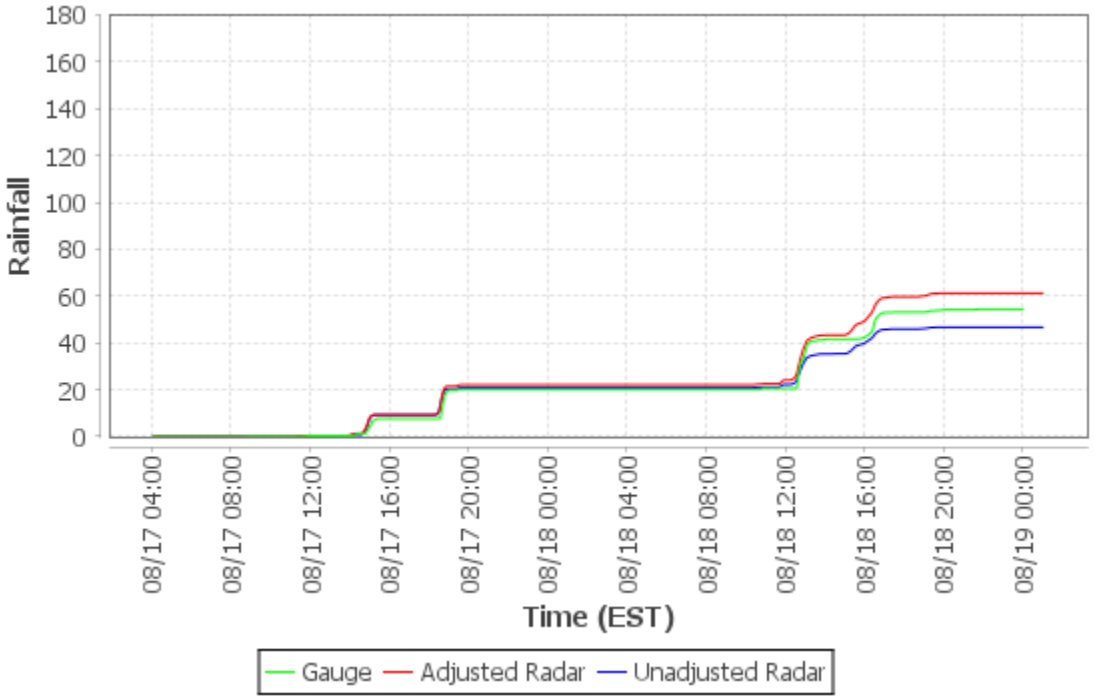


Cumulative Distribution Plot - 11091 Warden Ave (R-MUN-MA-22)

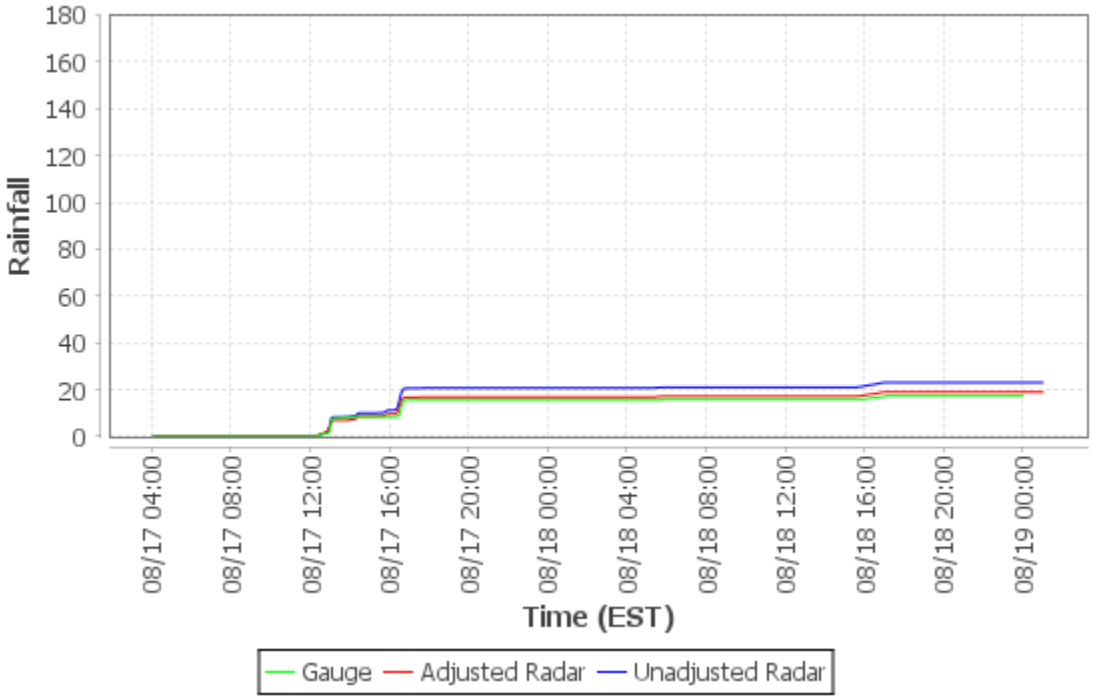


Appendix D - Event 2 (2024-08-17) CDPs

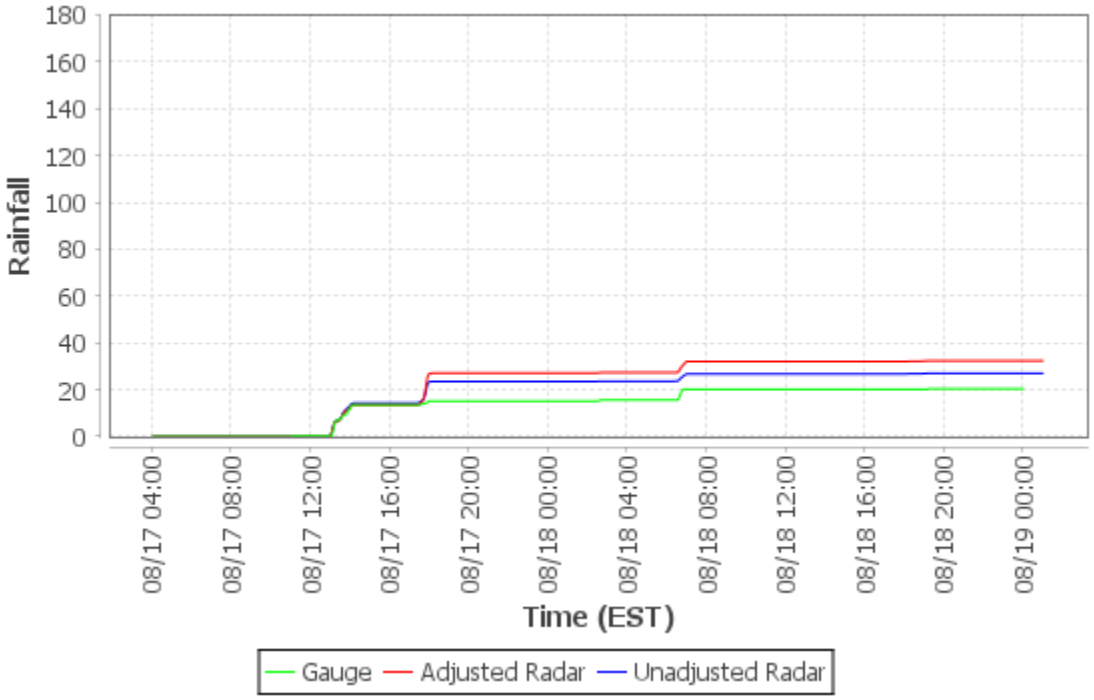
Cumulative Distribution Plot - Albion Hills (HY002)



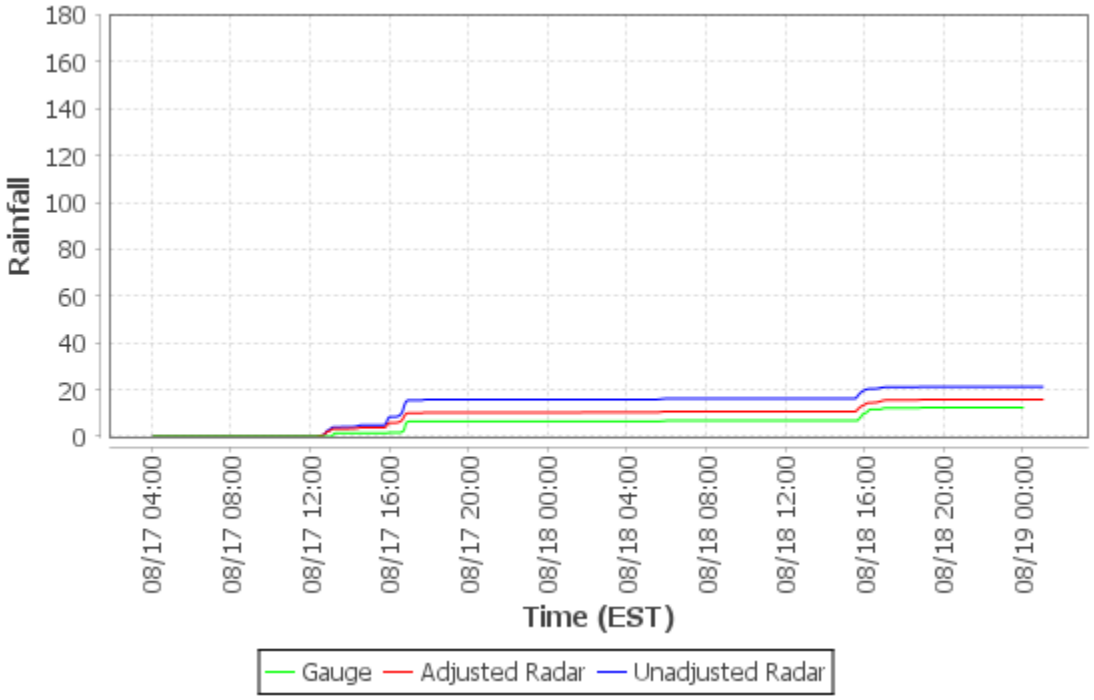
Cumulative Distribution Plot - Alex Duff Memorial Pool (HY003)



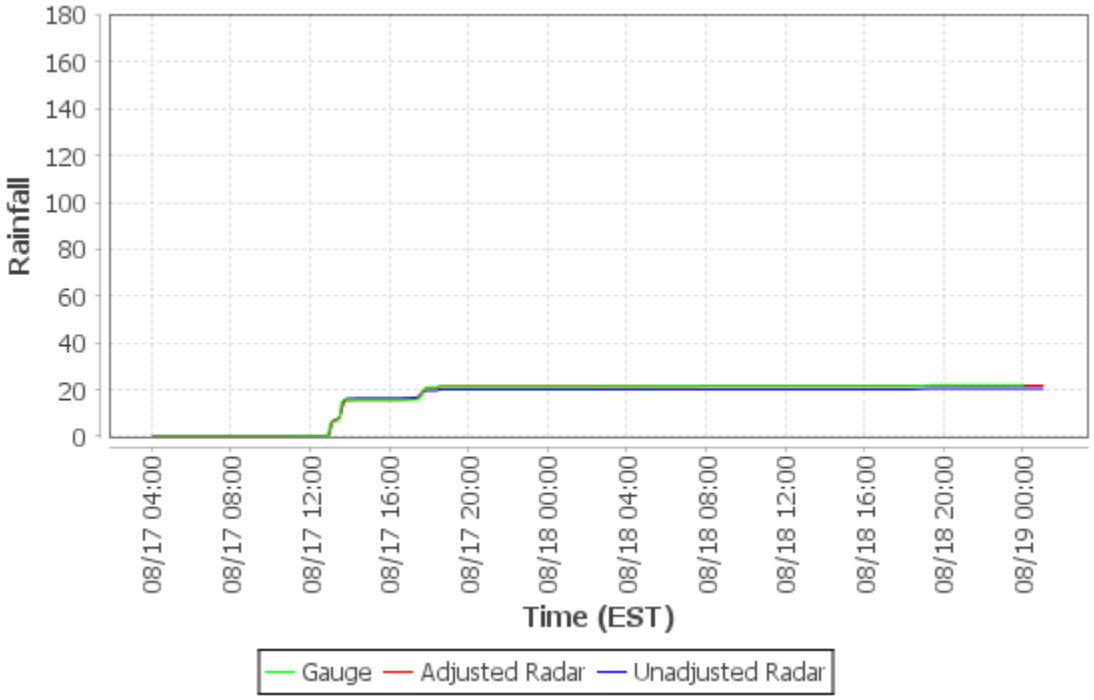
Cumulative Distribution Plot - Bayly and Church (HY004)



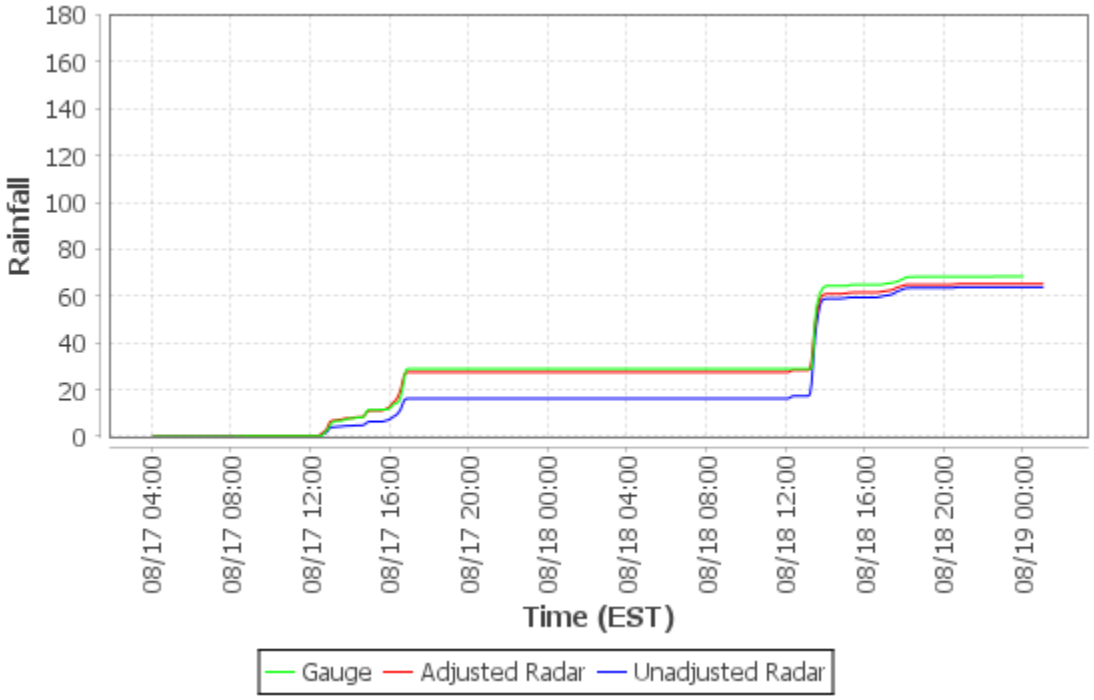
Cumulative Distribution Plot - Brickworks (HY008)



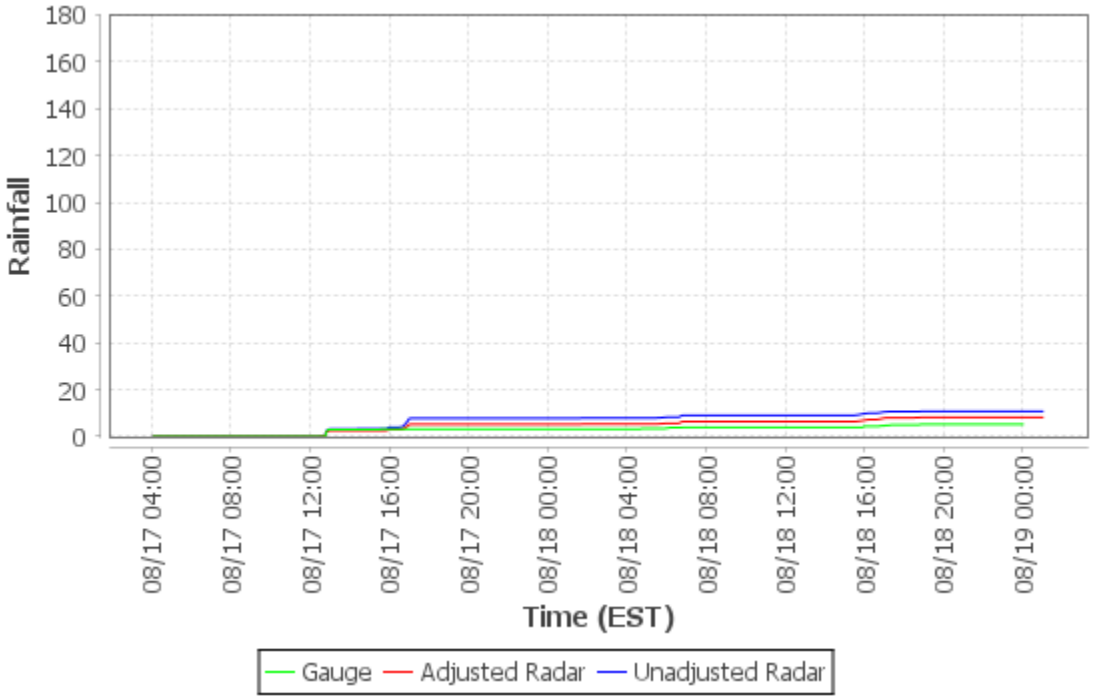
Cumulative Distribution Plot - Brock West Landfill (HY009)



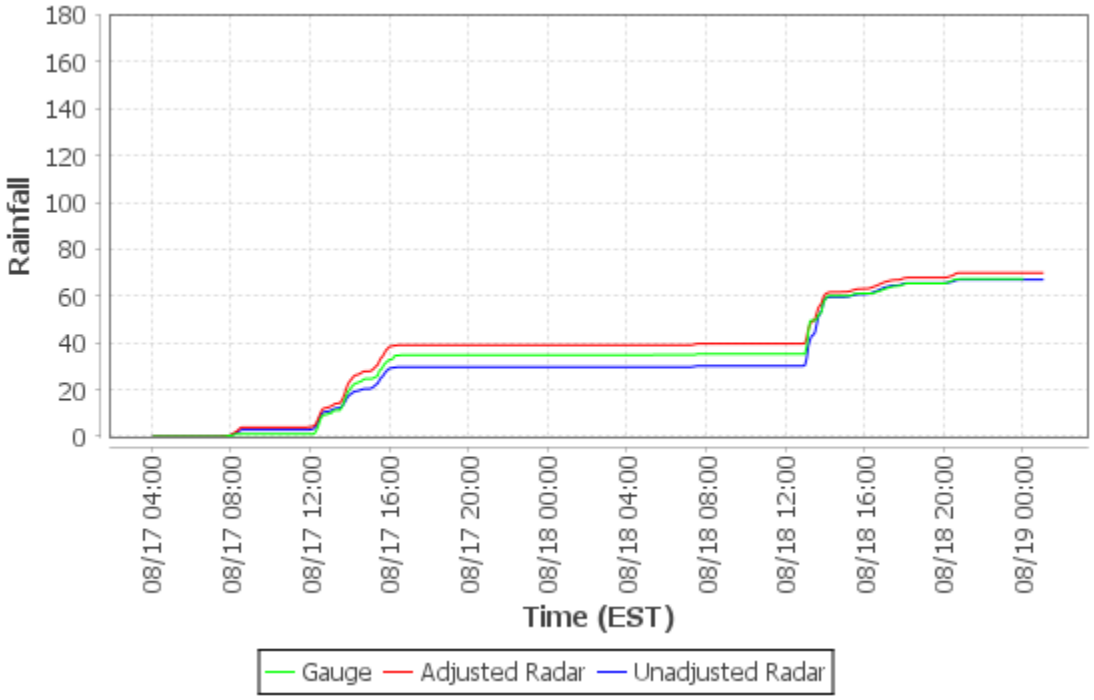
Cumulative Distribution Plot - Bruces Mill CA (HY011)



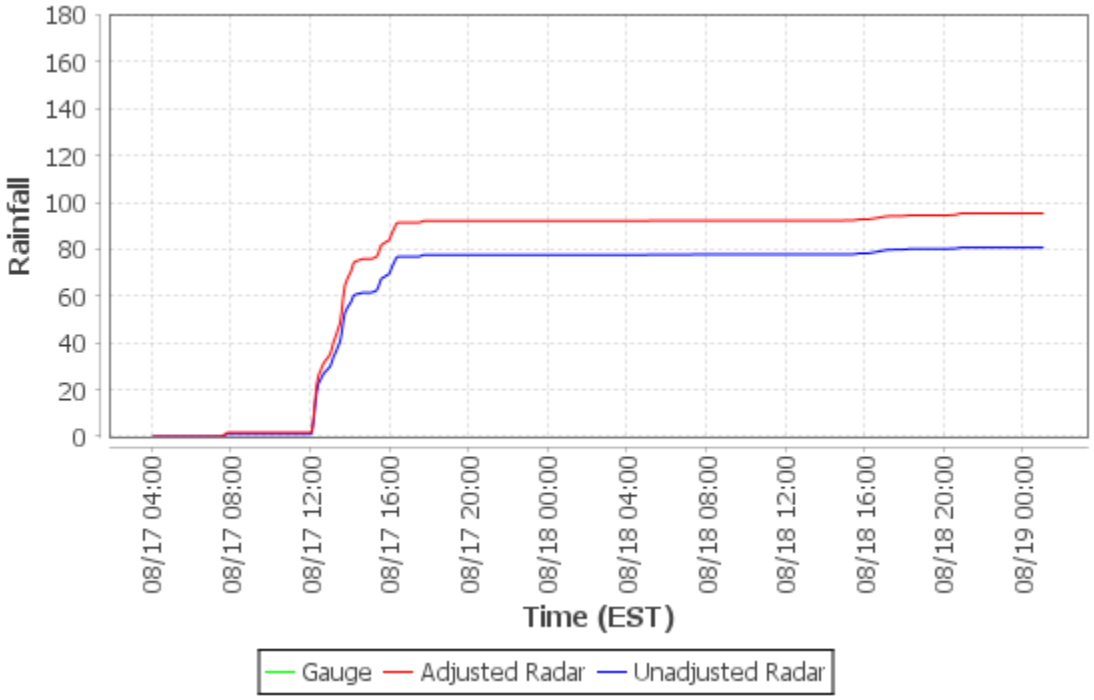
Cumulative Distribution Plot - Danforth and Coxwell (HY016)



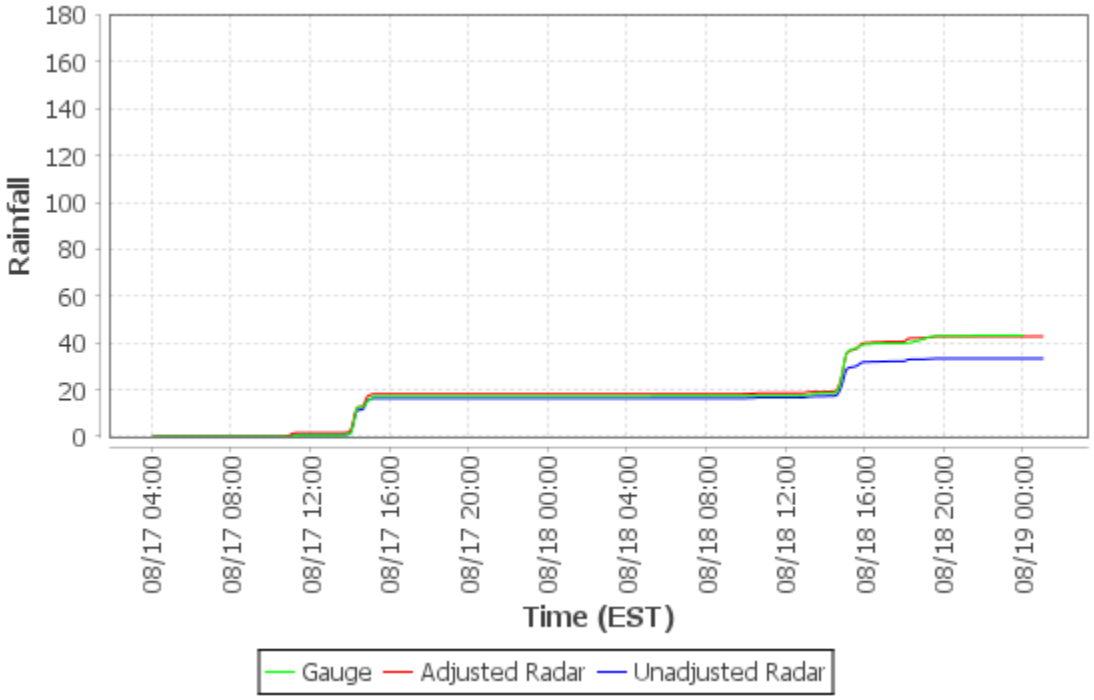
Cumulative Distribution Plot - Dufferin Reservoir (HY021)



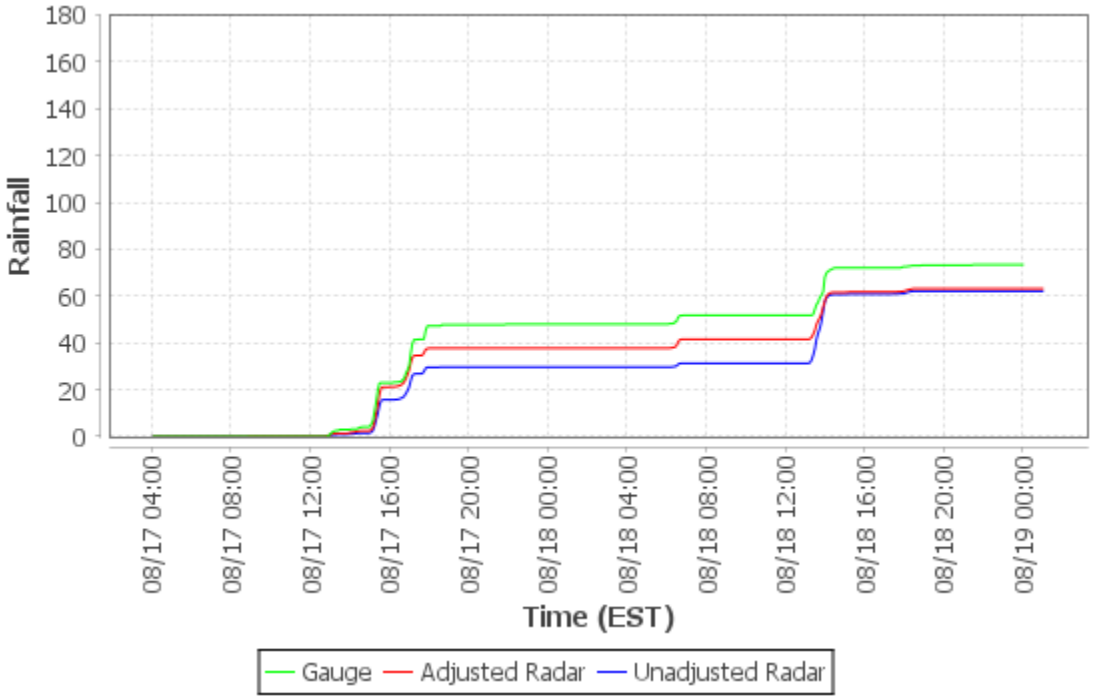
Cumulative Distribution Plot - G Ross Dam (HY027)



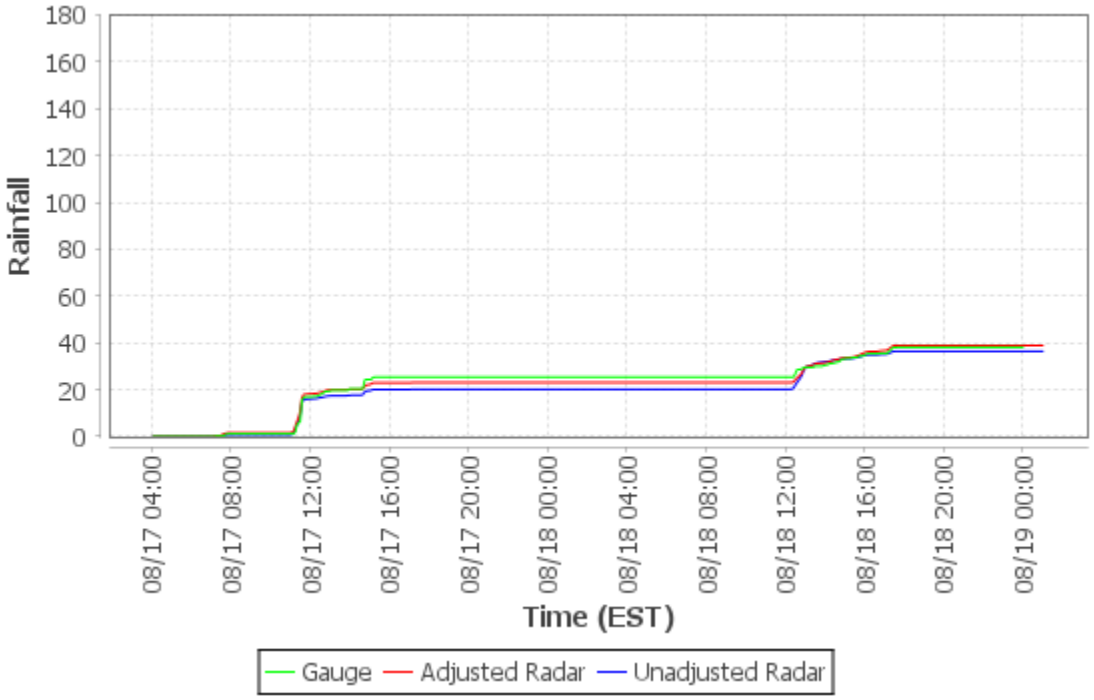
Cumulative Distribution Plot - Glen Haffy (HY030)



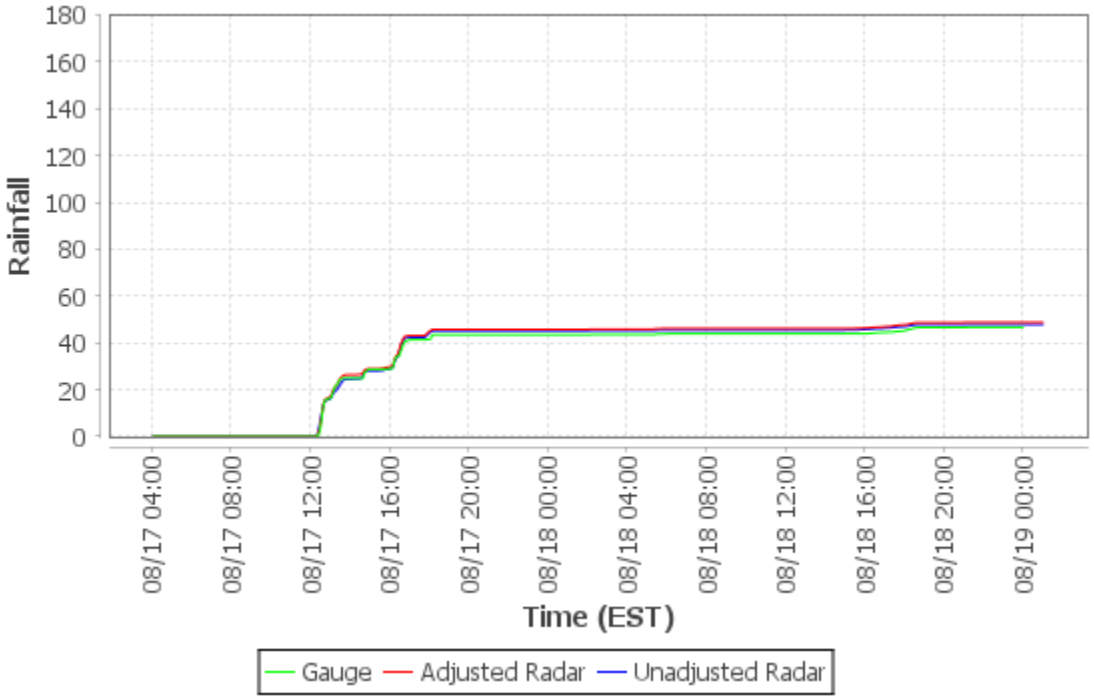
Cumulative Distribution Plot - Goodwood Pumping Station (HY031)



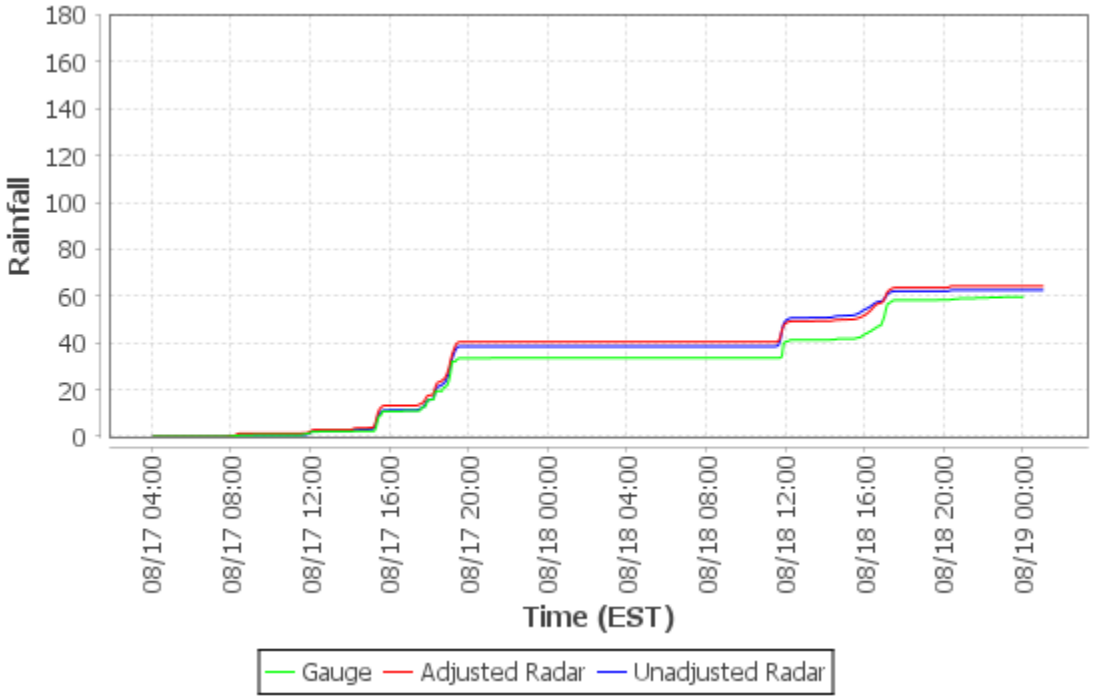
Cumulative Distribution Plot - Heart Lake CA (HY033)



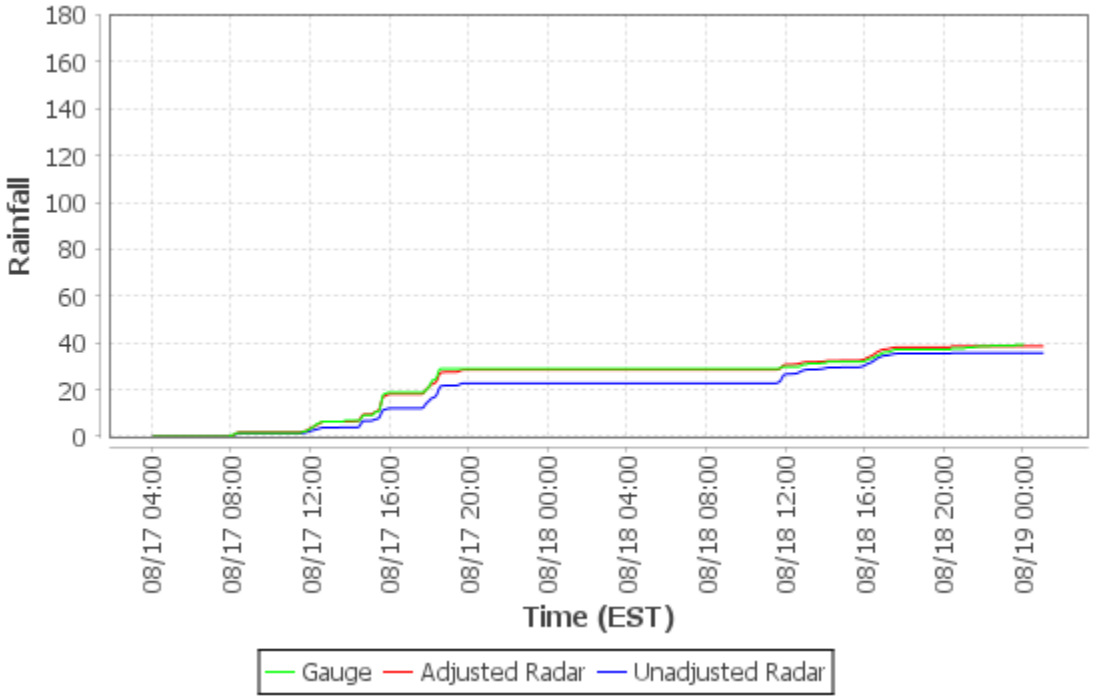
Cumulative Distribution Plot - Kennedy Pump Station (HY036)



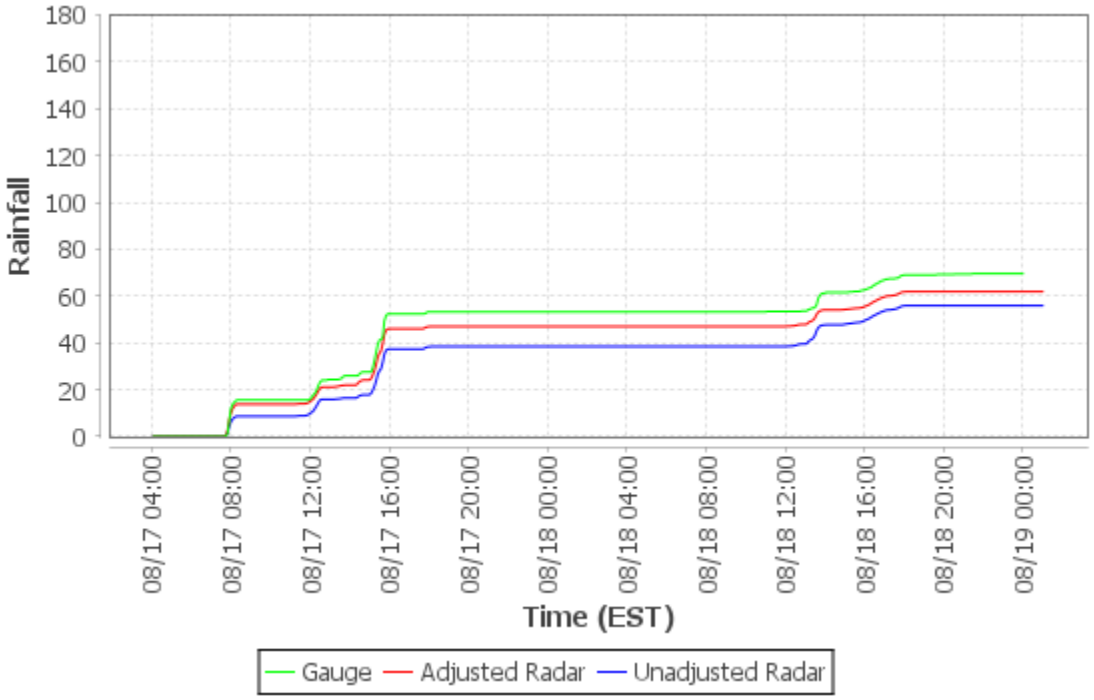
Cumulative Distribution Plot - King and Albion-Vaughan (HY037)



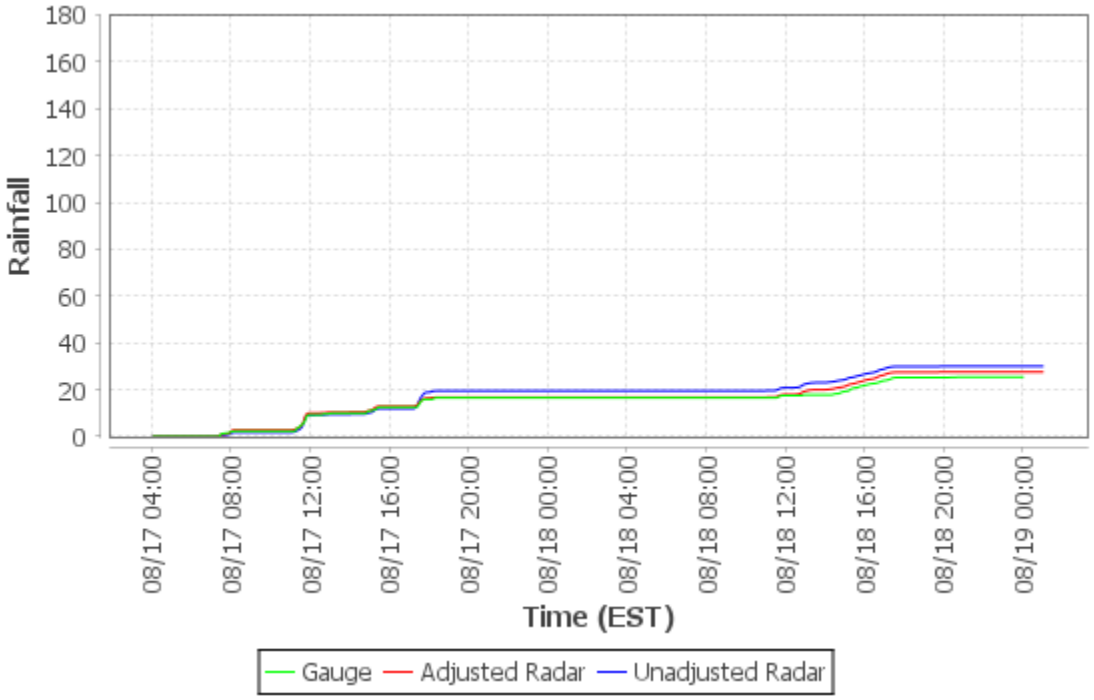
Cumulative Distribution Plot - East Humber at Mill Road (HY038)



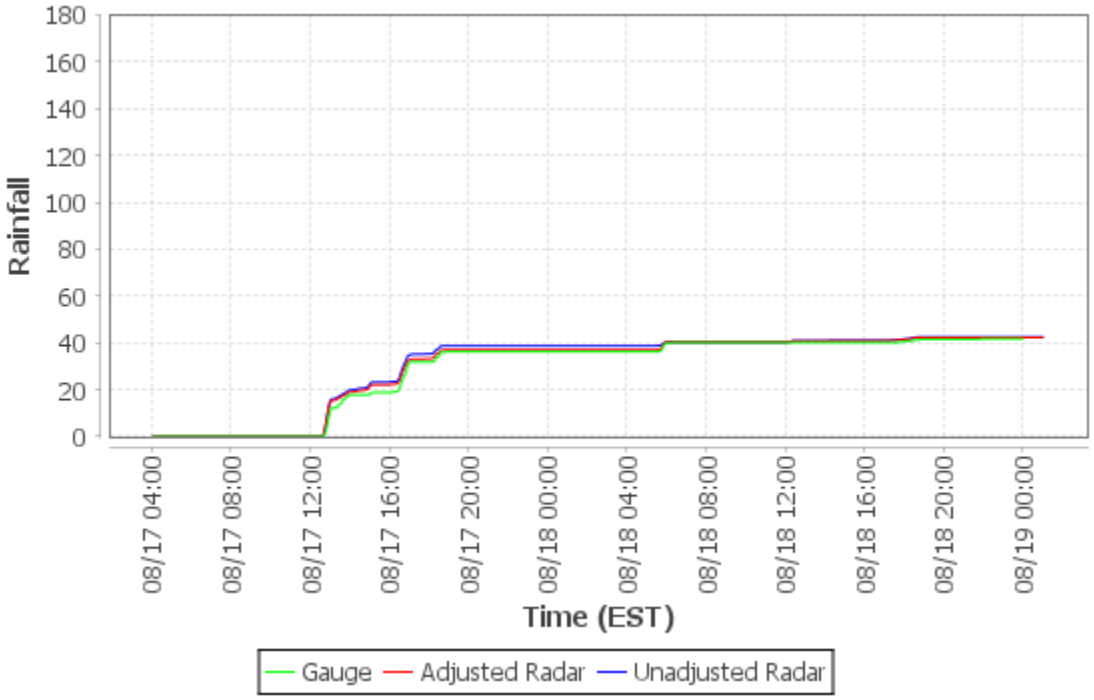
Cumulative Distribution Plot - Kortright (HY039)



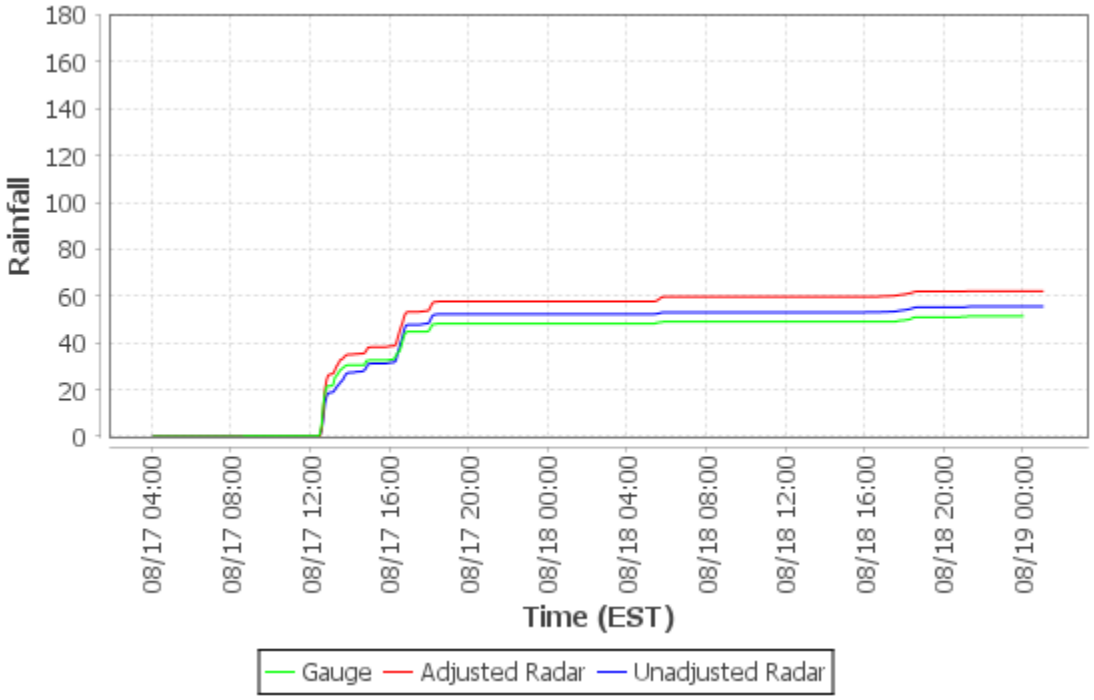
Cumulative Distribution Plot - Tullamore (HY041)



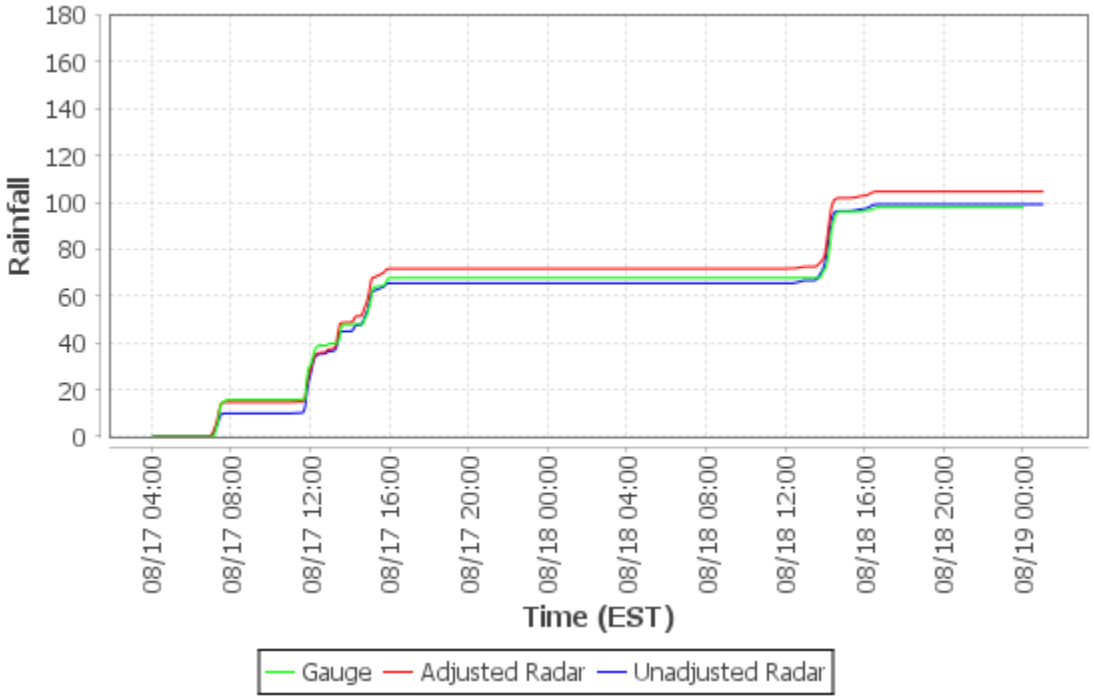
Cumulative Distribution Plot - Little Rouge at 16th (HY043)



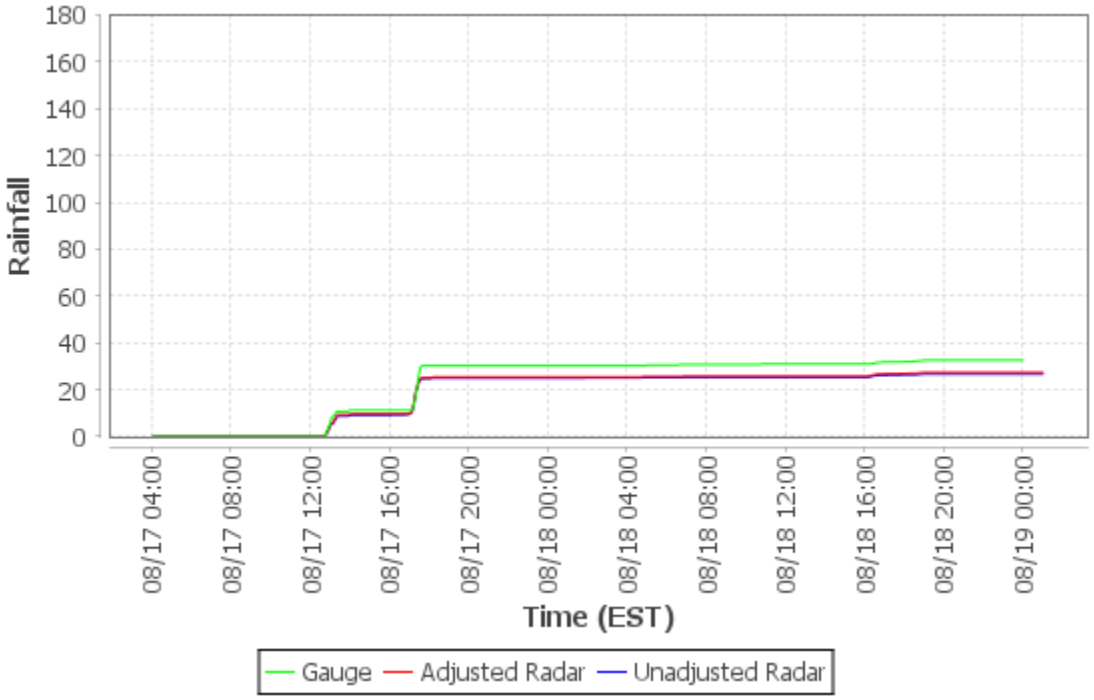
Cumulative Distribution Plot - Milne Dam (HY044)



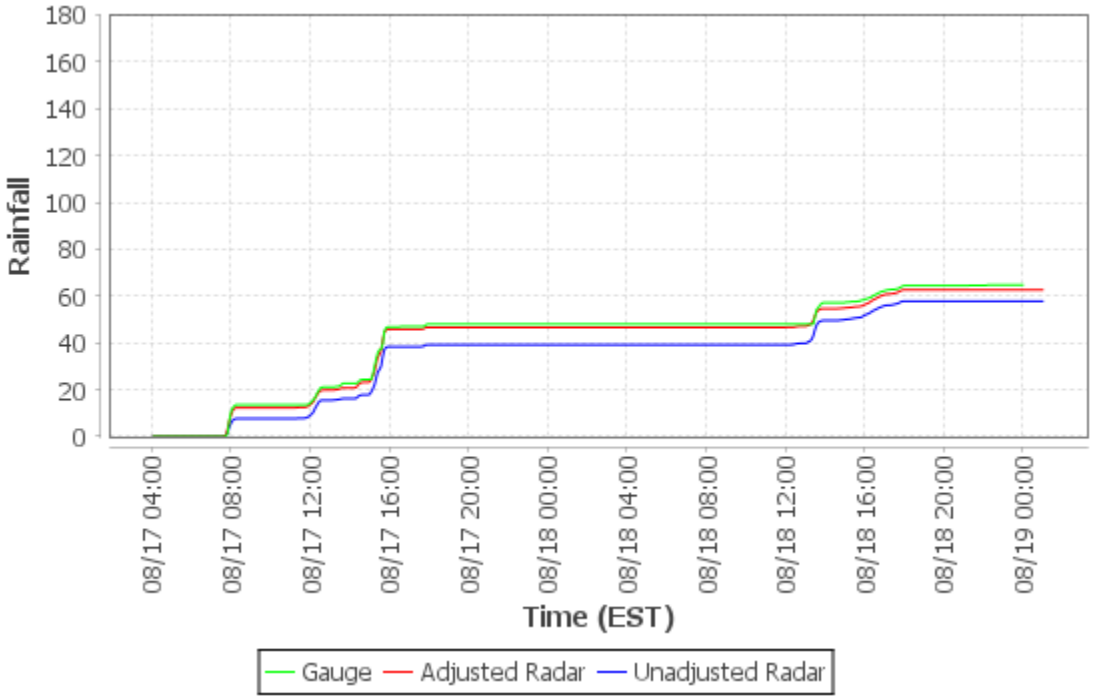
Cumulative Distribution Plot - Mississauga Works Yard (HY046)



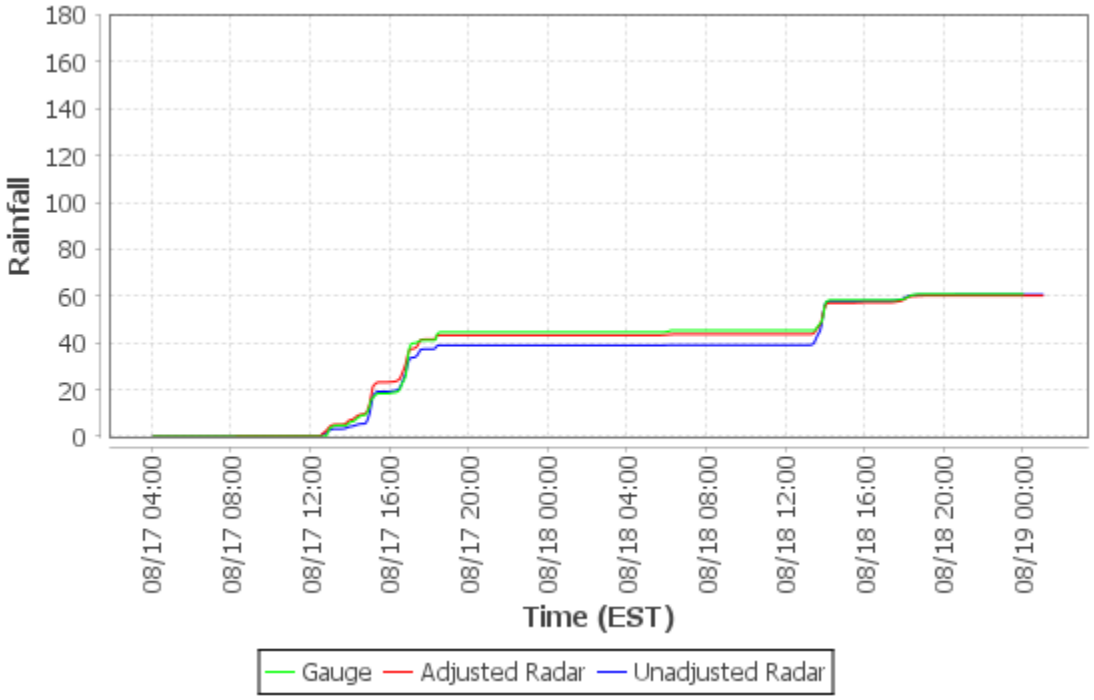
Cumulative Distribution Plot - Morningside Works Yard (HY050)



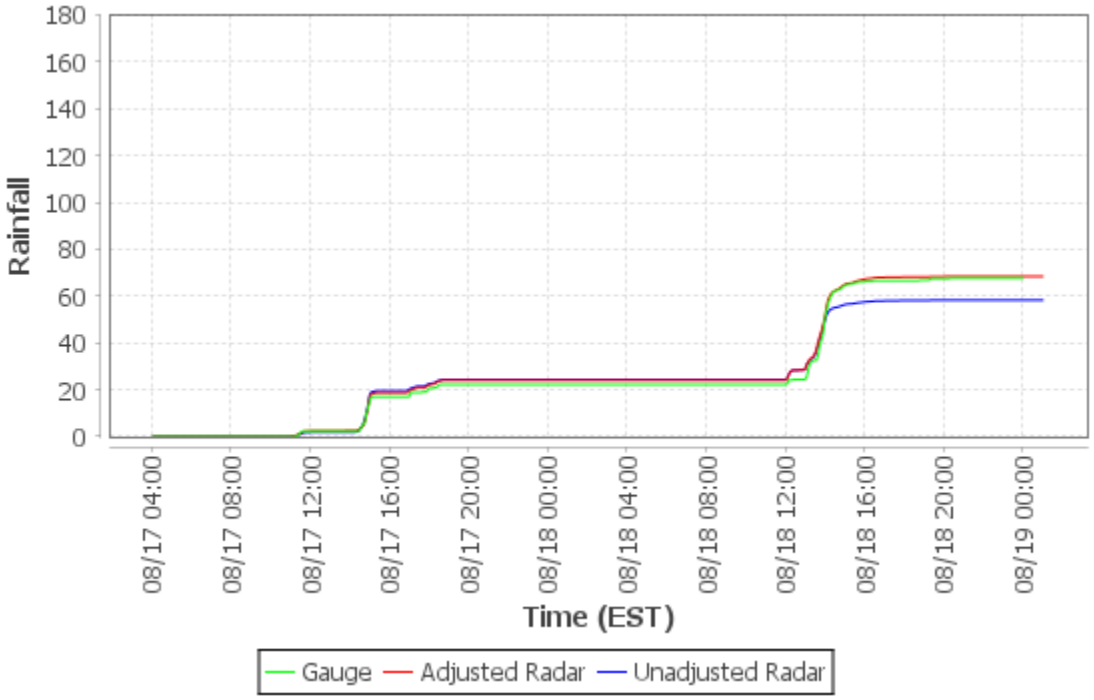
Cumulative Distribution Plot - Restoration Services (HY055)



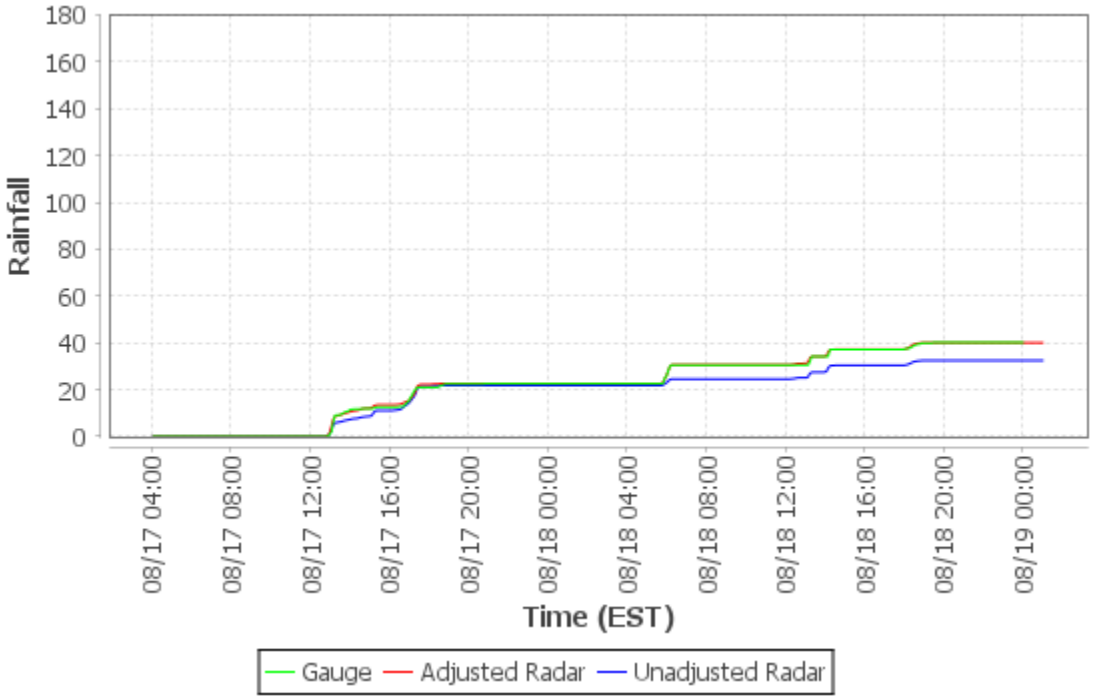
Cumulative Distribution Plot - Stouffville Dam (HY060)



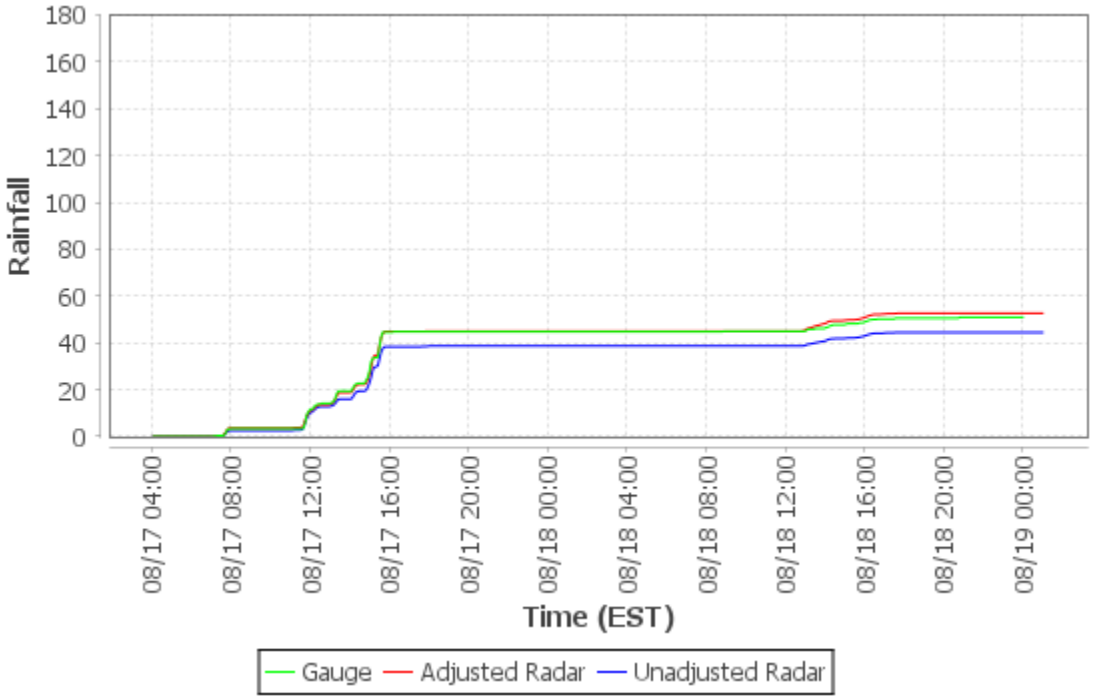
Cumulative Distribution Plot - Sue Grange Farm (HY061)



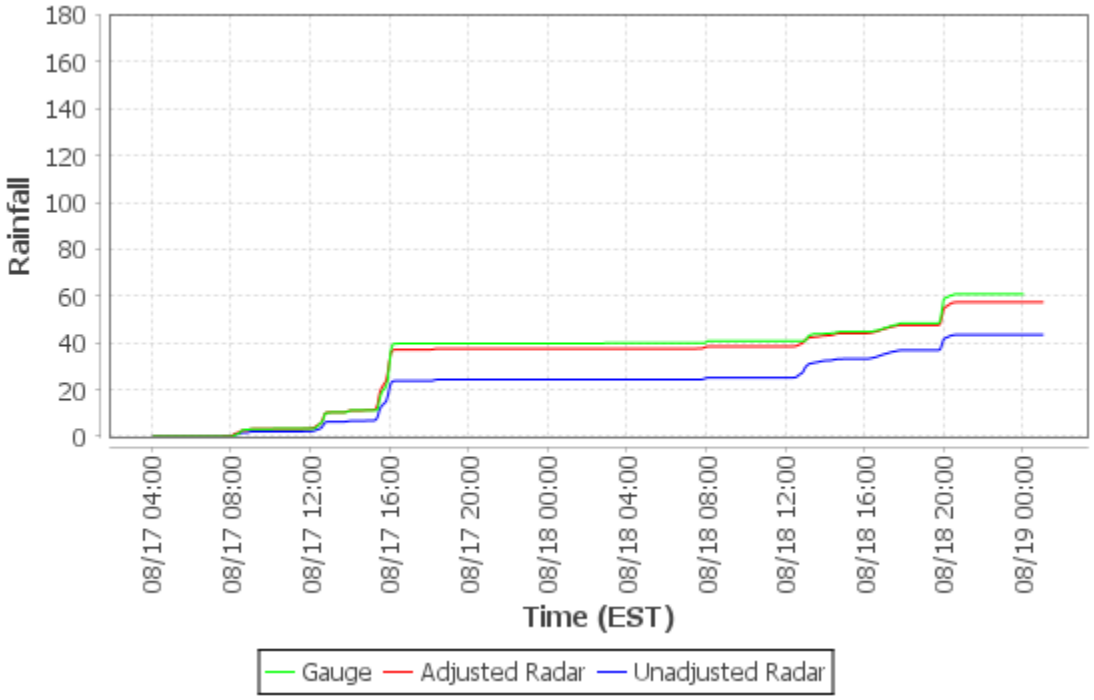
Cumulative Distribution Plot - Transport Canada (HY063)



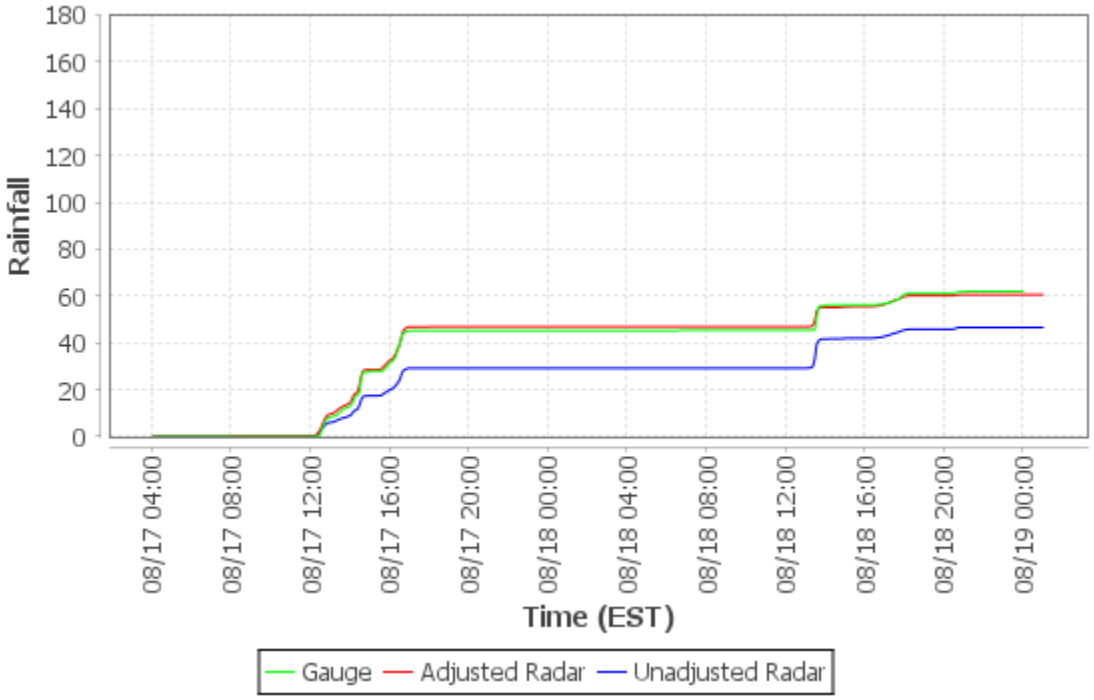
Cumulative Distribution Plot - West Humber at Hwy7 (HY067)



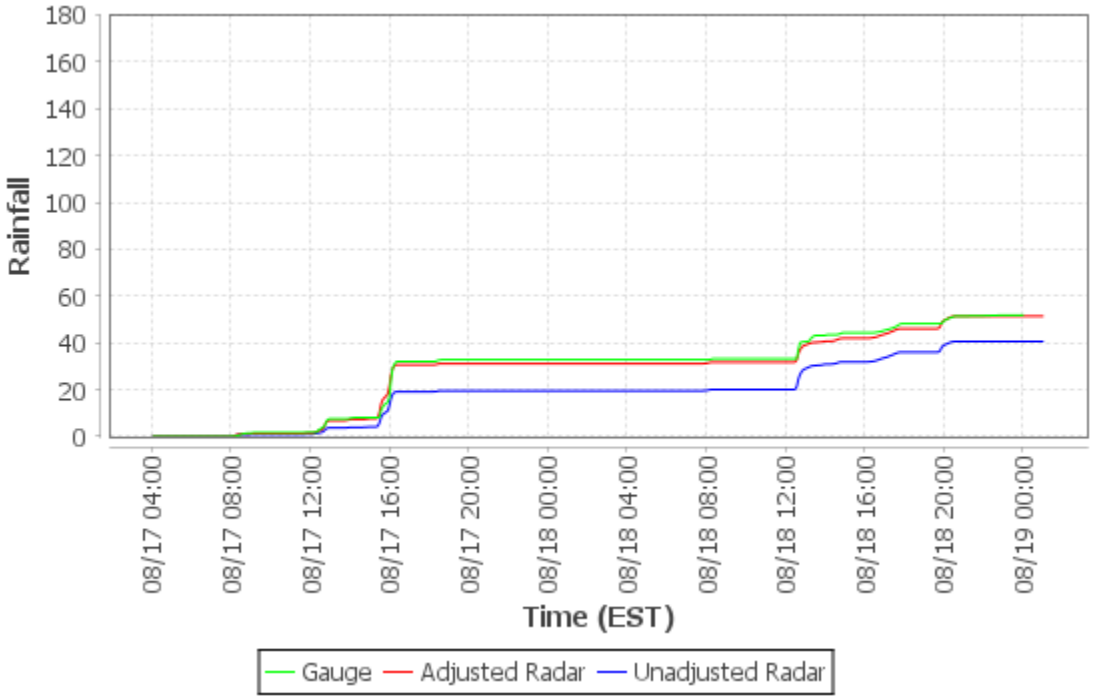
Cumulative Distribution Plot - York Pumping Station (HY069)



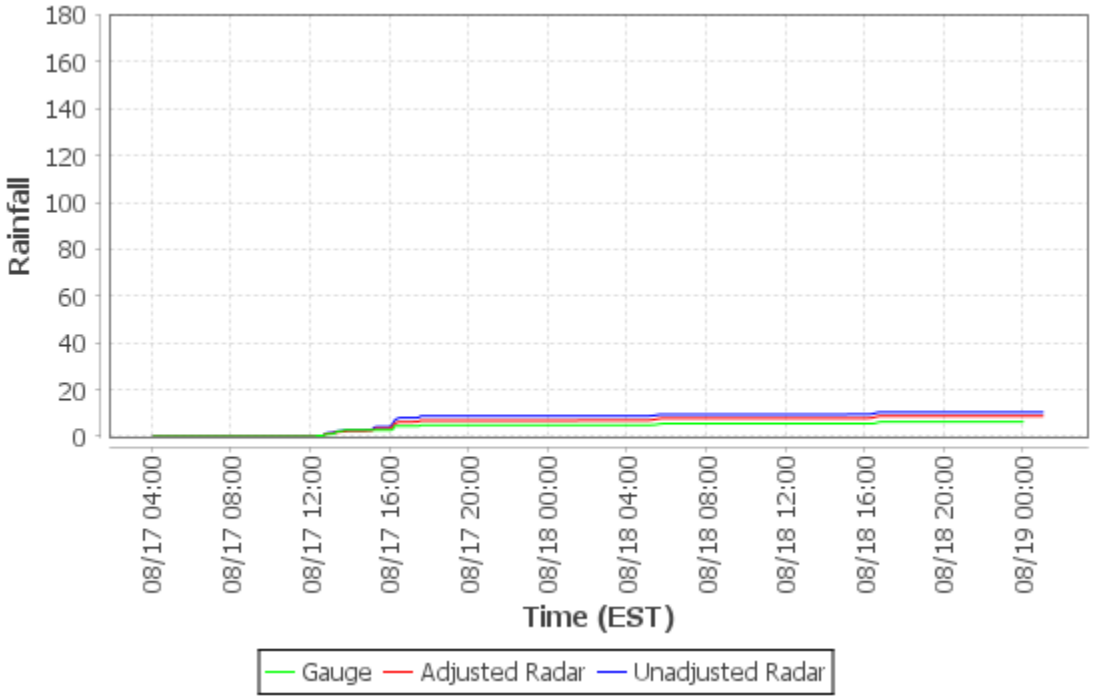
Cumulative Distribution Plot - York Region Works Yard (HY070)



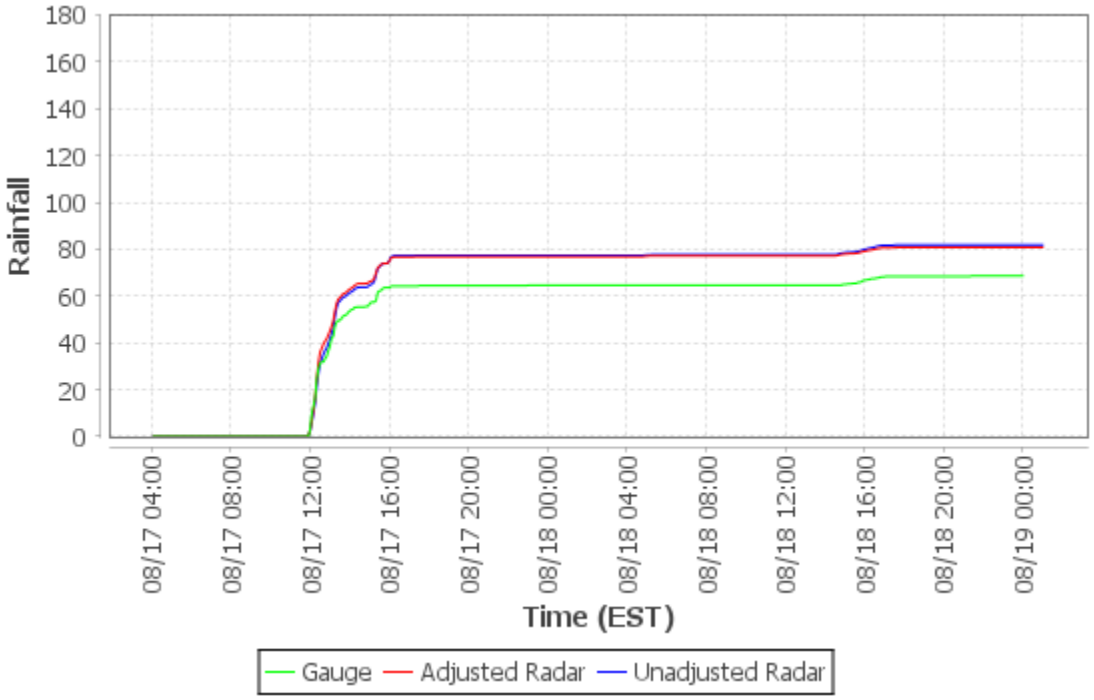
Cumulative Distribution Plot - Oak Ridges (HY083)



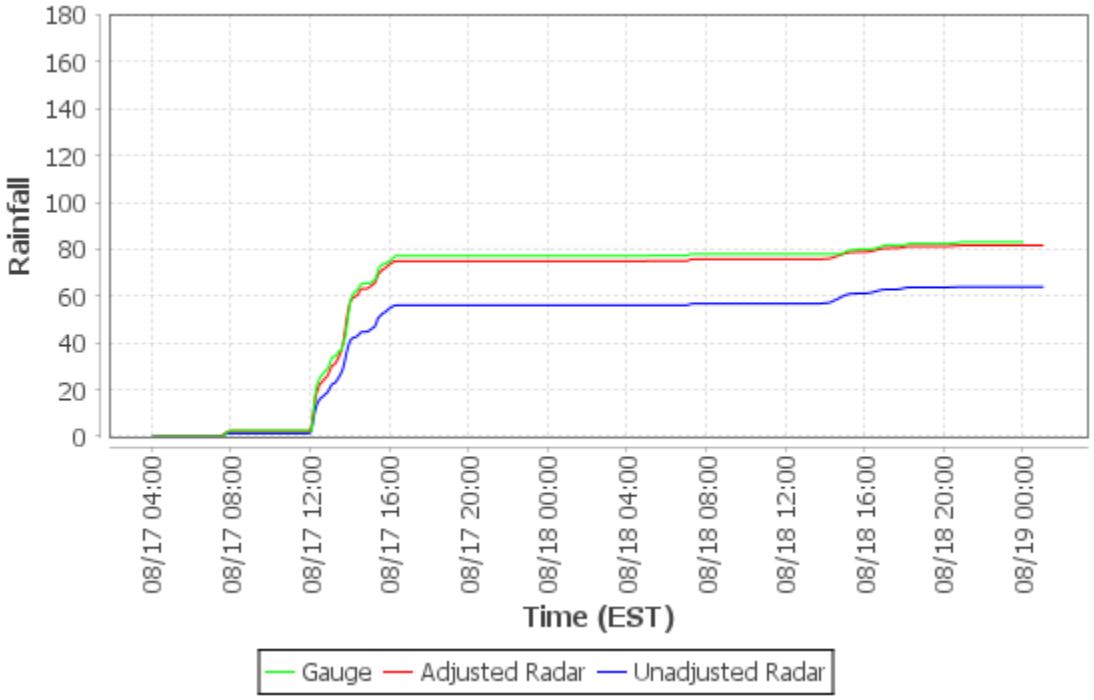
Cumulative Distribution Plot - RL Clark WTP (HY086)



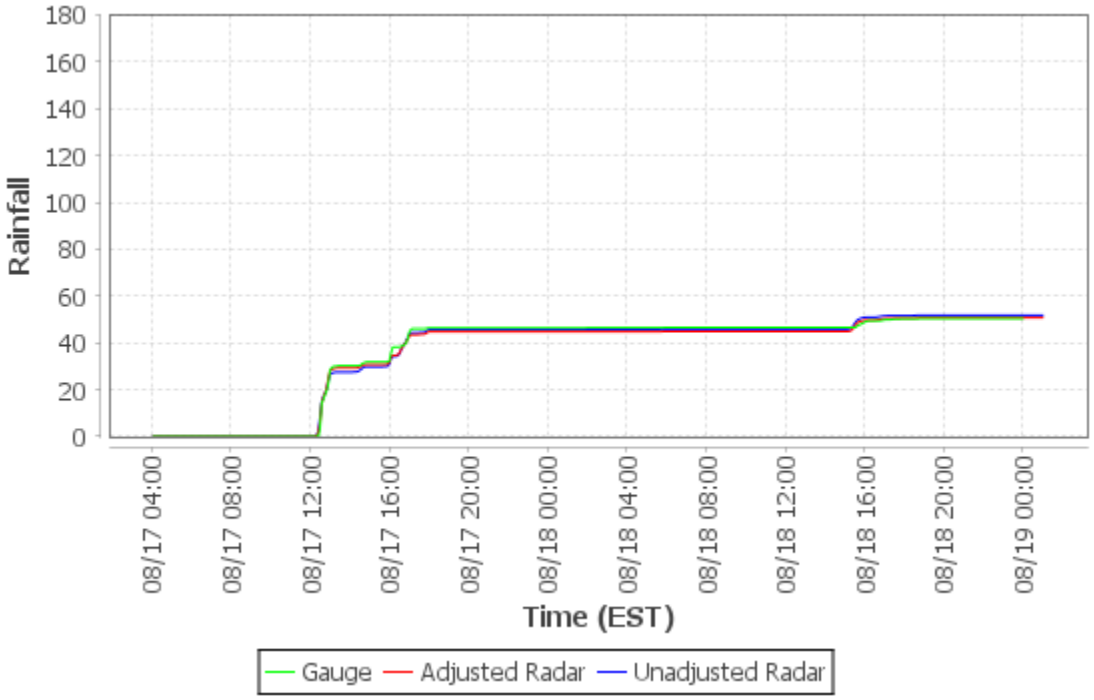
Cumulative Distribution Plot - Westmount Park (HY087)



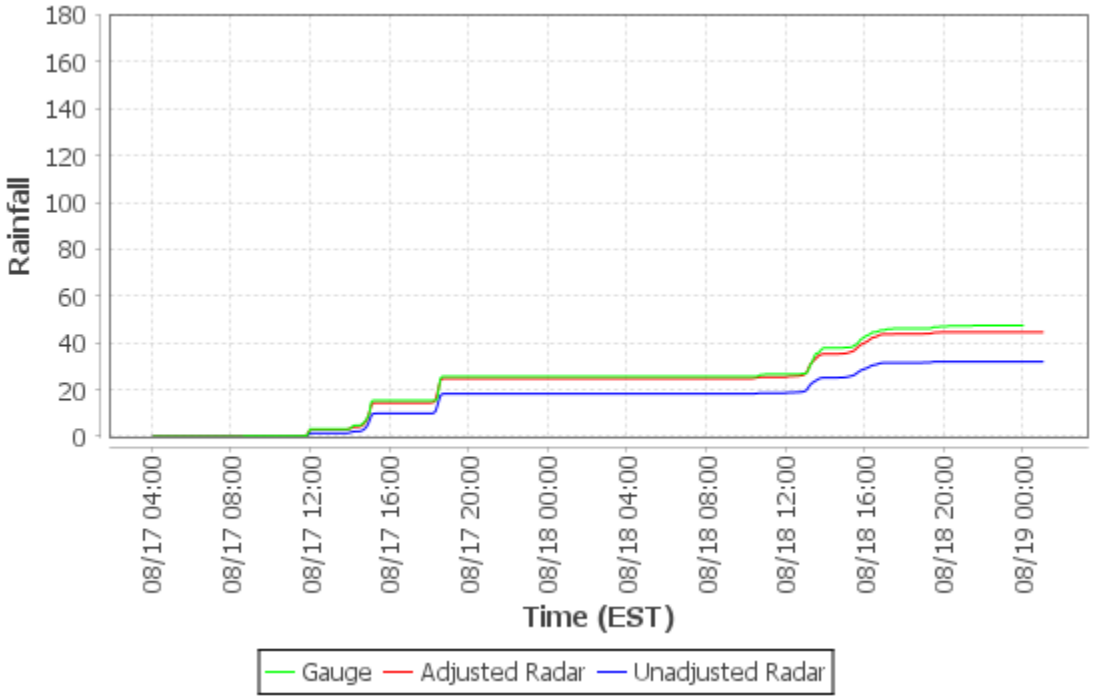
Cumulative Distribution Plot - The Village at Black Creek (HY088)



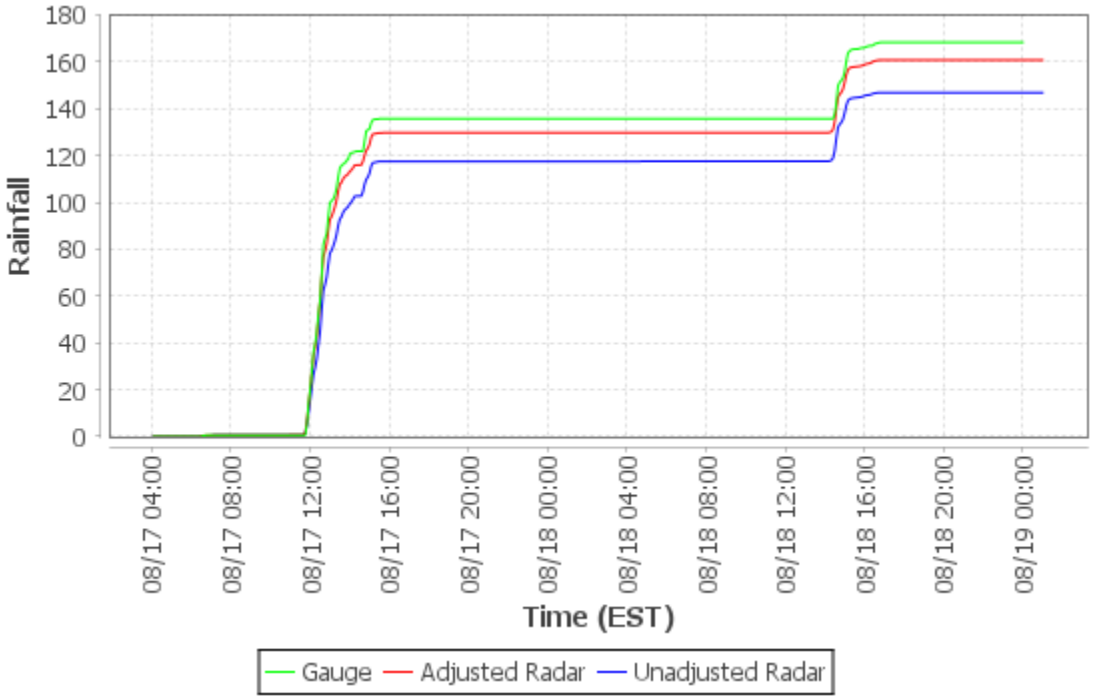
Cumulative Distribution Plot - Broadlands Community Centre (HY094)



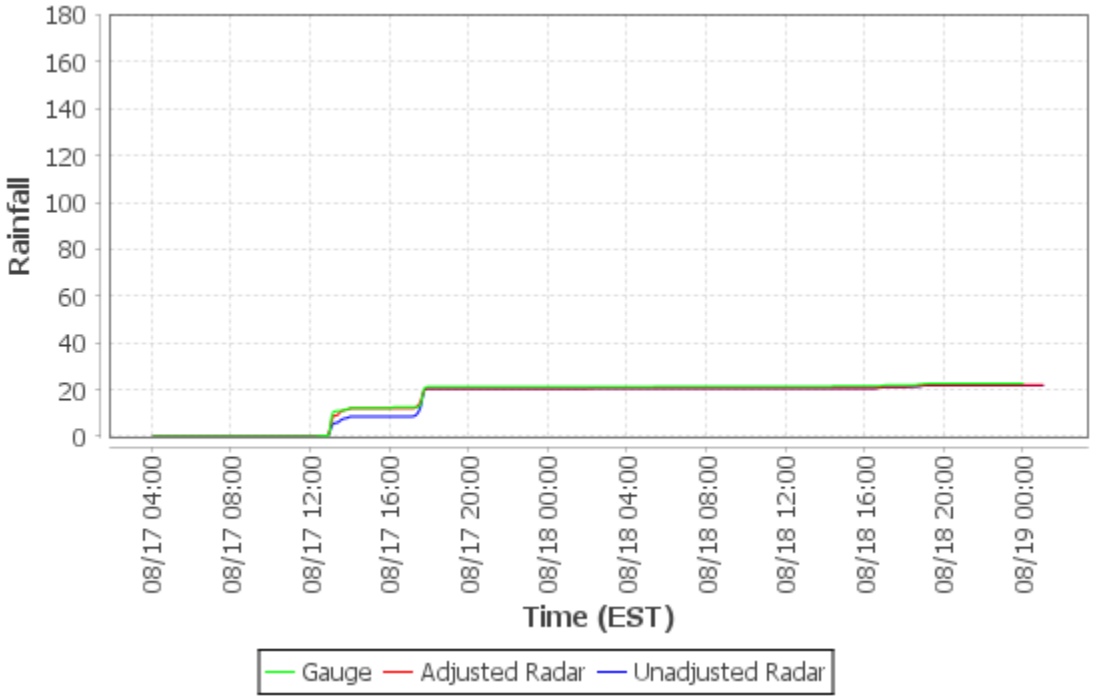
Cumulative Distribution Plot - Caledon East Soccer Complex (HY096)



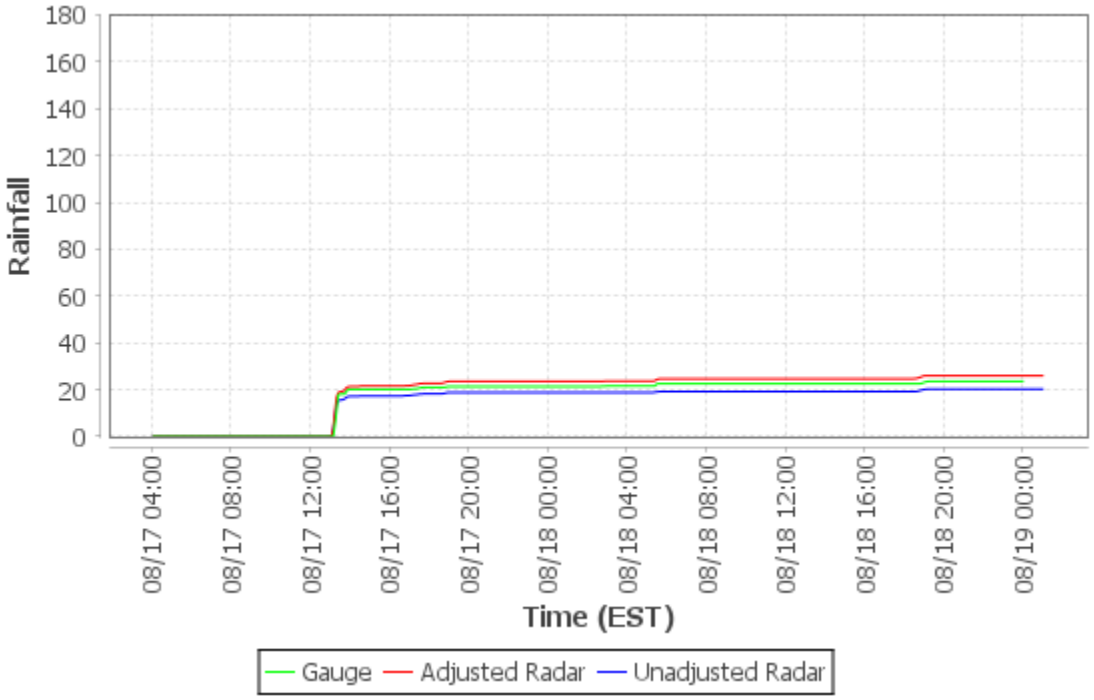
Cumulative Distribution Plot - Rathwood (HY099)



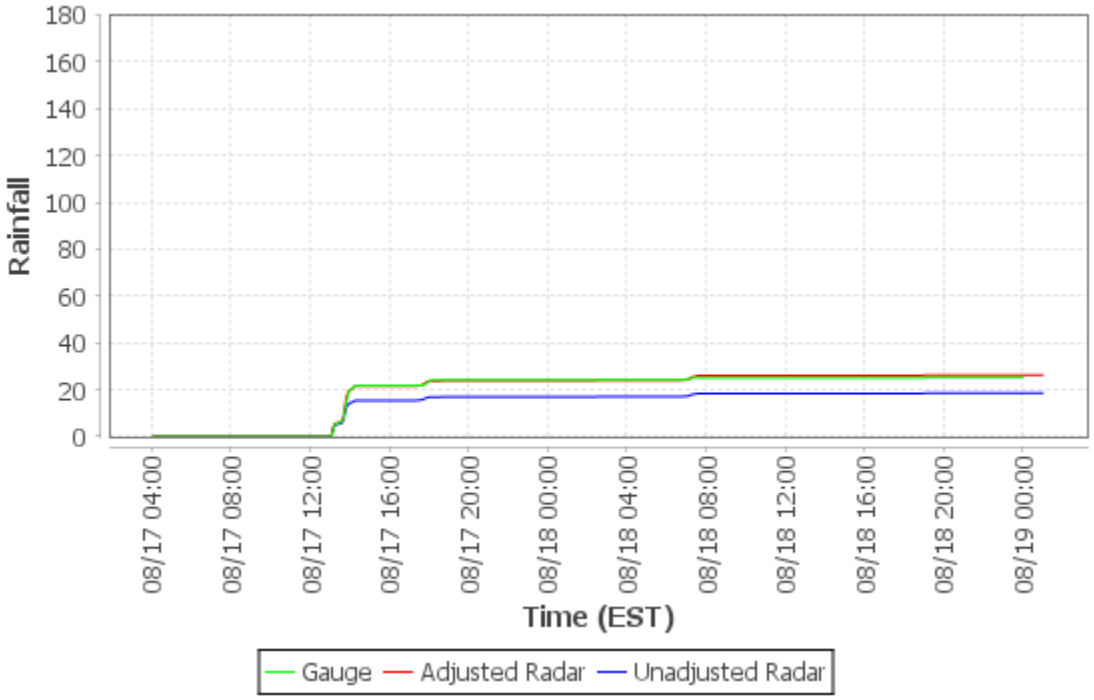
Cumulative Distribution Plot - Petticoat Works Yard (HY102)



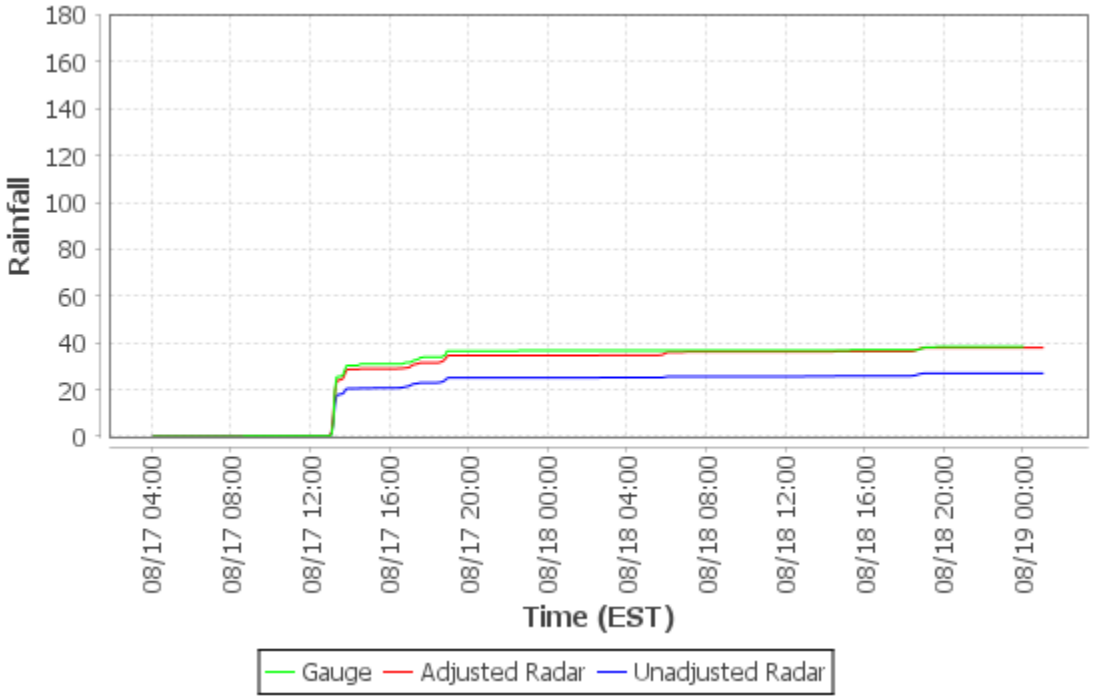
Cumulative Distribution Plot - Balsam at 407 (HY121)



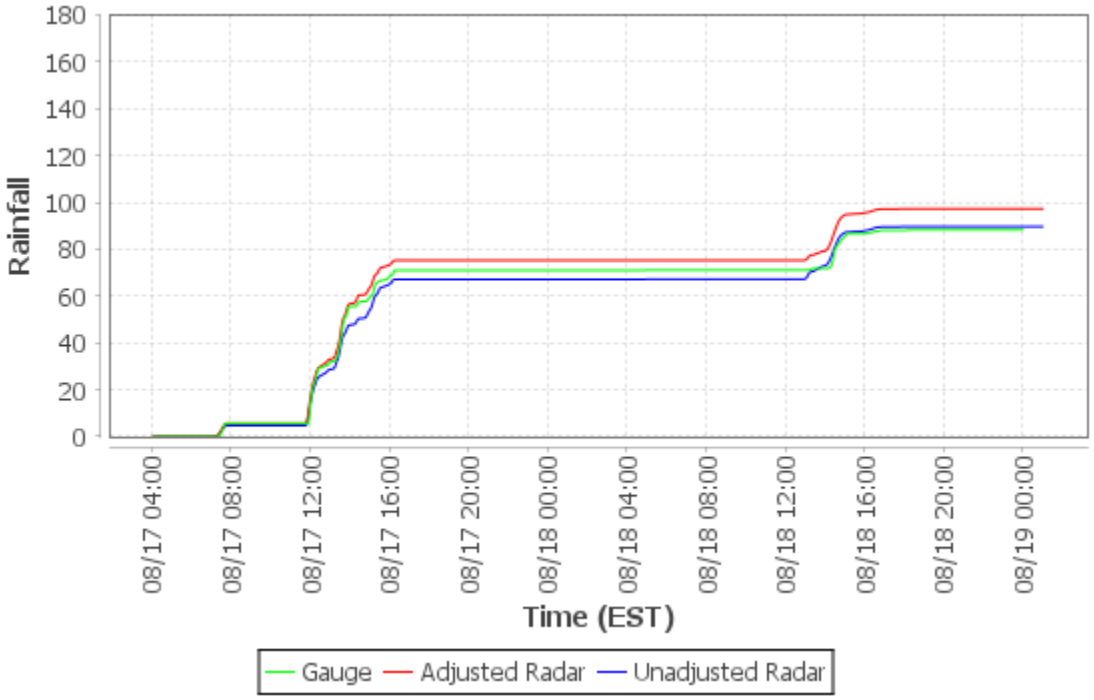
Cumulative Distribution Plot - Durham Works Yard (HY122)



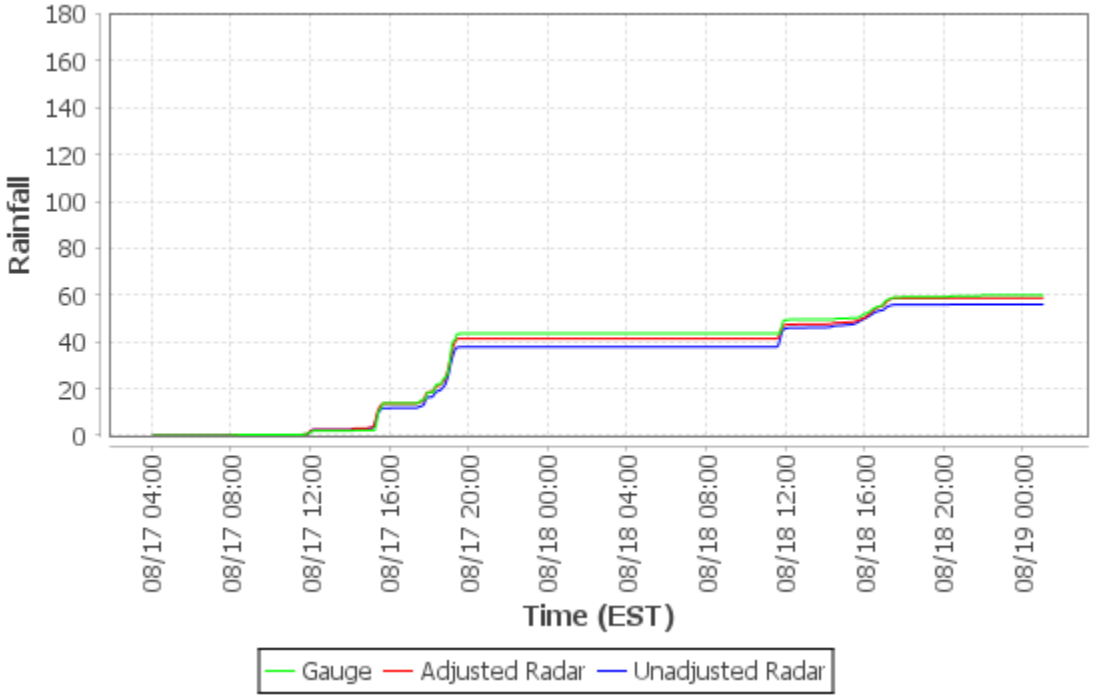
Cumulative Distribution Plot - Claremont Nature Centre (HY124)



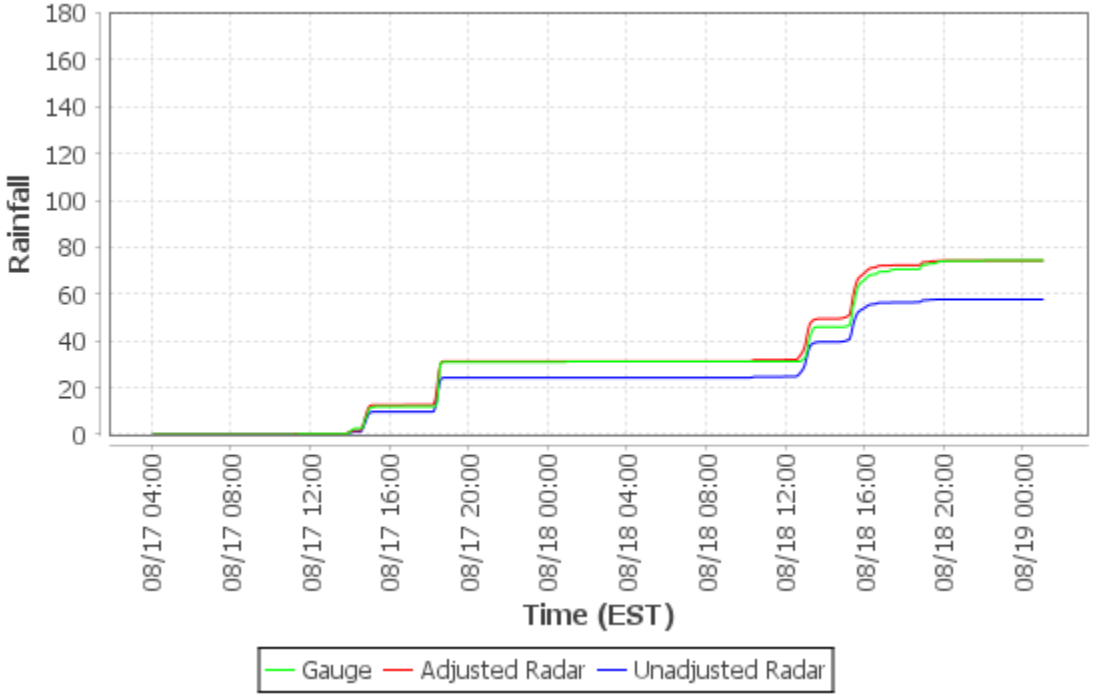
Cumulative Distribution Plot - Elmbank Community Centre (HY130)



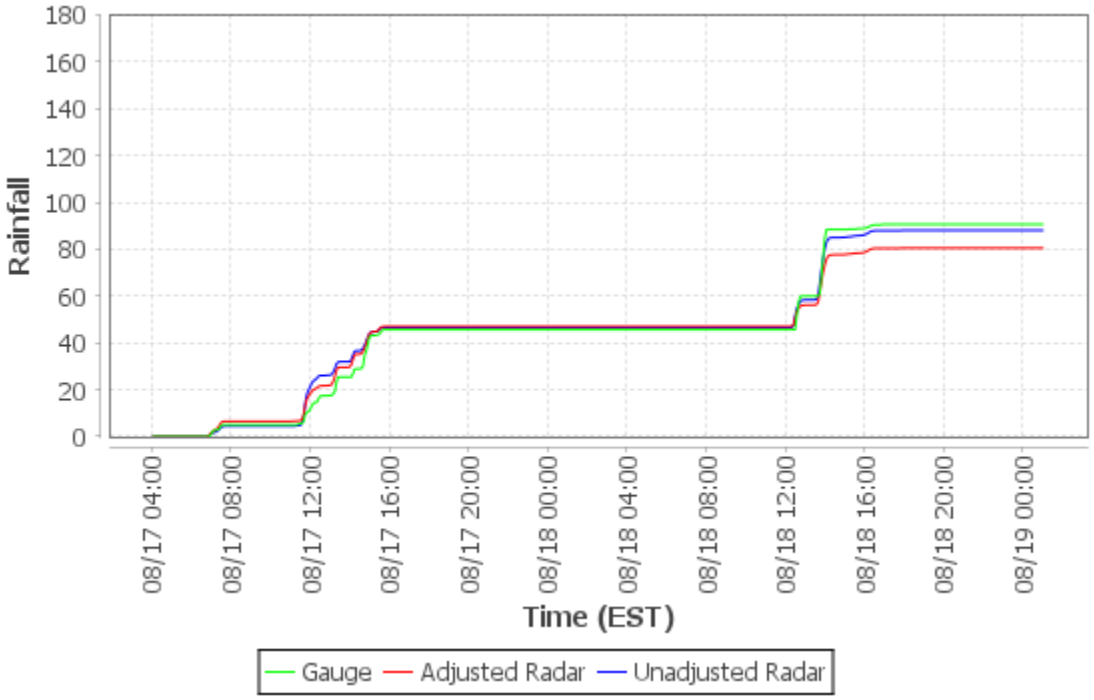
Cumulative Distribution Plot - Bolton Sewage Pumping Station (BOLTON SEWAGE PUMPING)



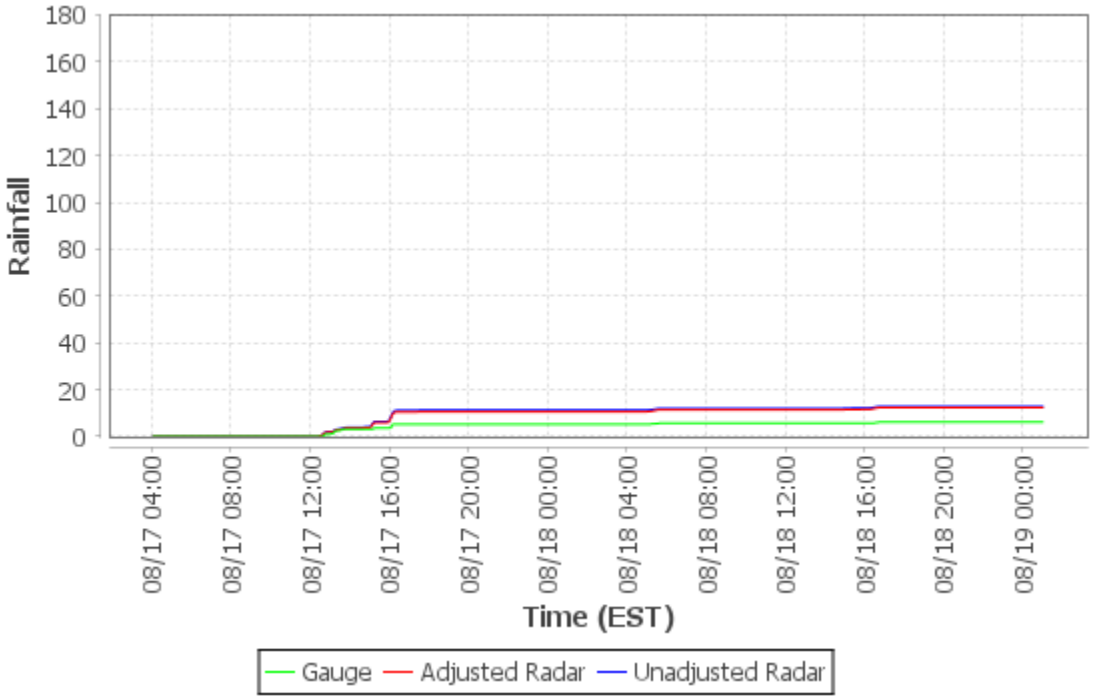
Cumulative Distribution Plot - Caledon East (CALEDON EAST RG)



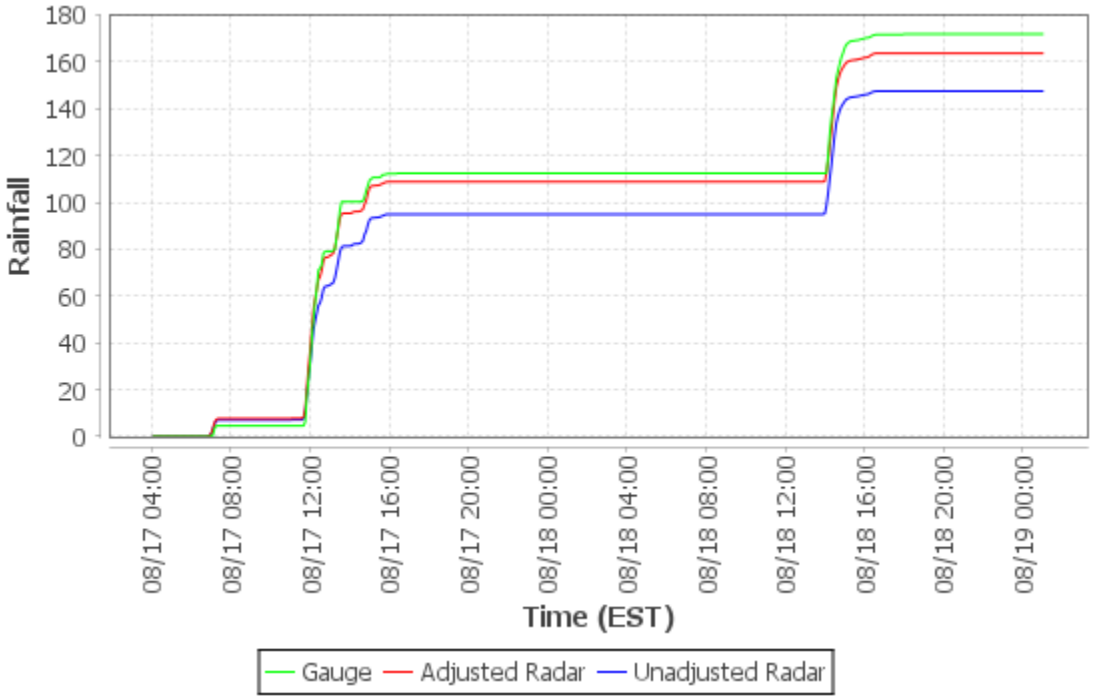
Cumulative Distribution Plot - Copper Road (Copper Road RG)



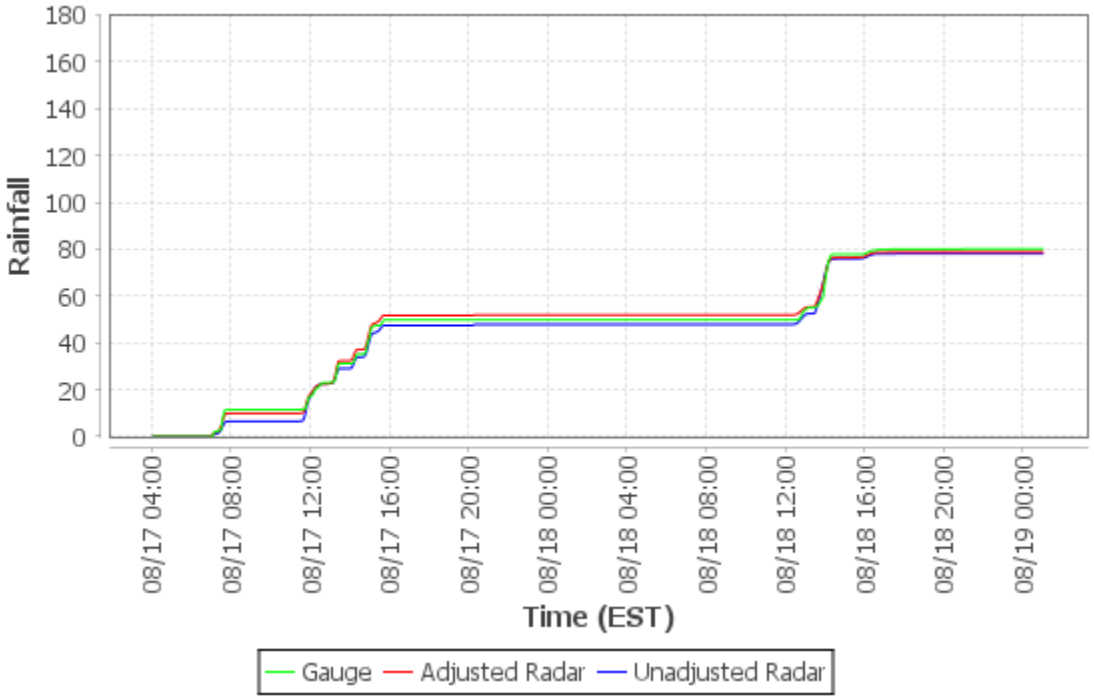
Cumulative Distribution Plot - GE Booth WWTP (GE Booth)



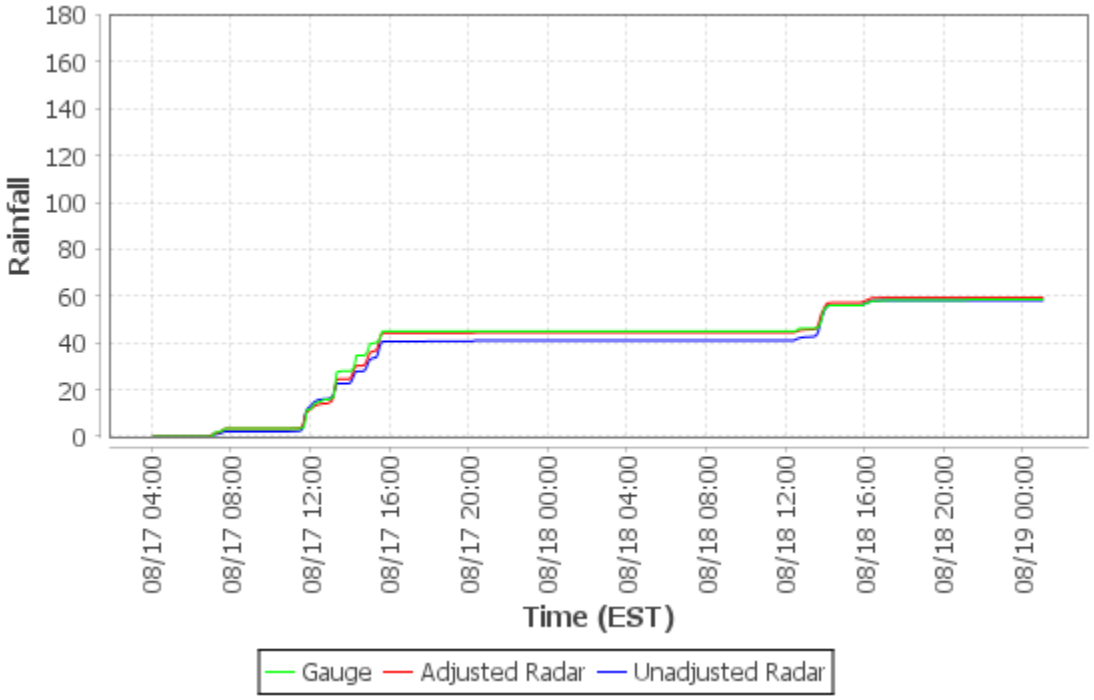
Cumulative Distribution Plot - Hanlan (RG 16)



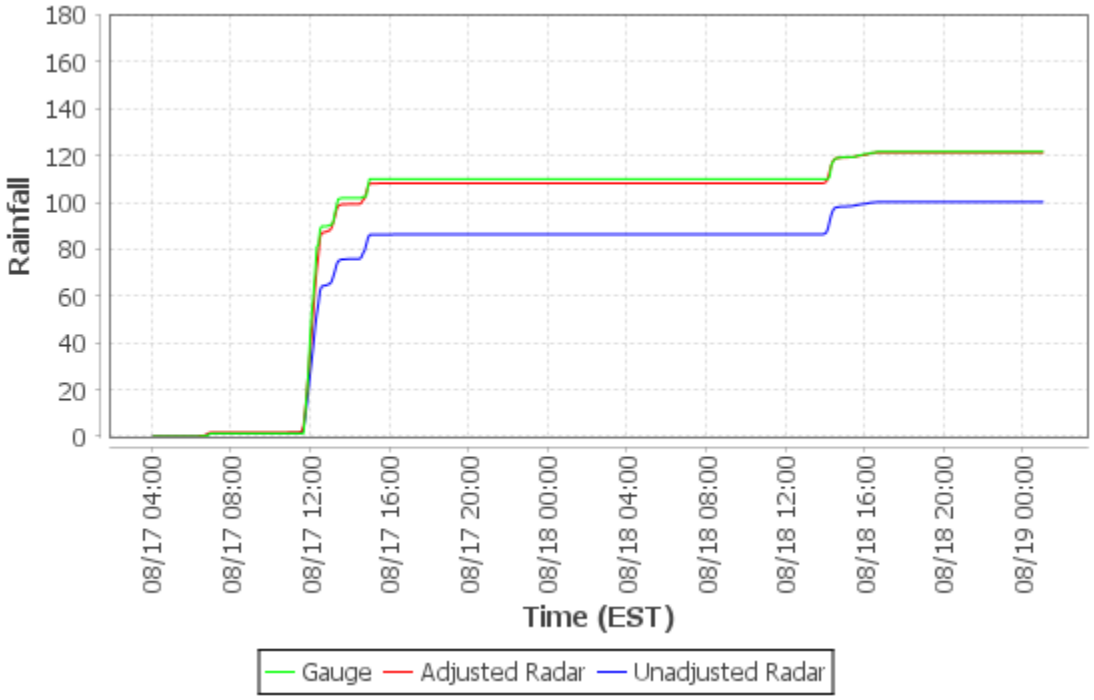
Cumulative Distribution Plot - PEEL/YORK ODOUR CONTROL (RG 20)



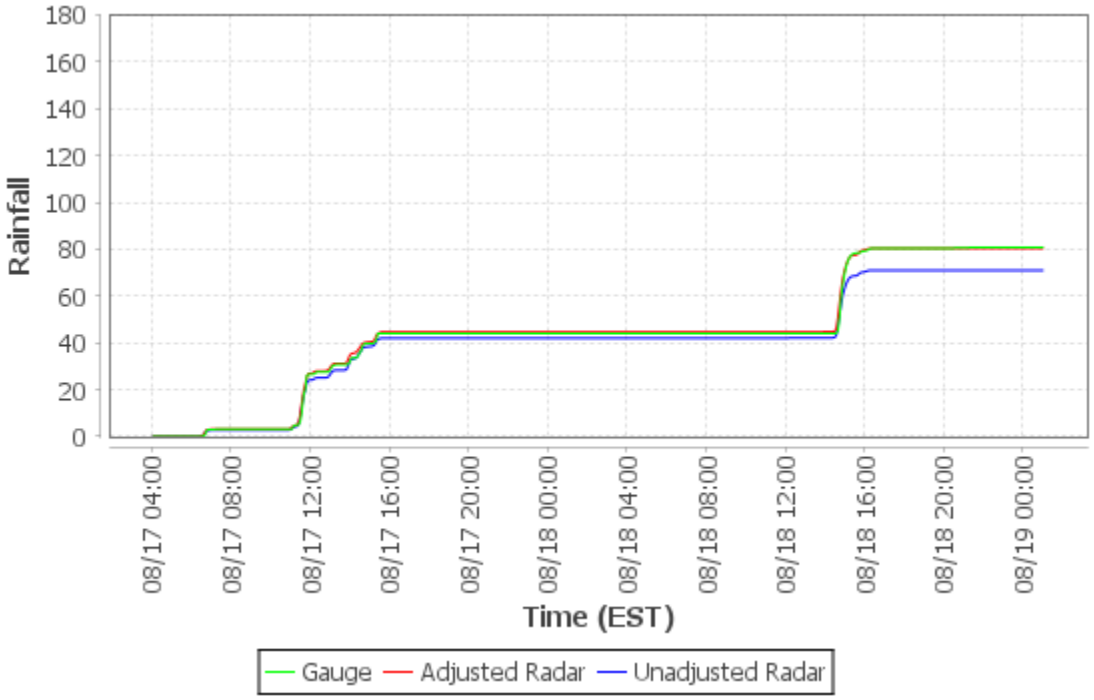
Cumulative Distribution Plot - Bramalea - Fire Station 202 (RG 22)



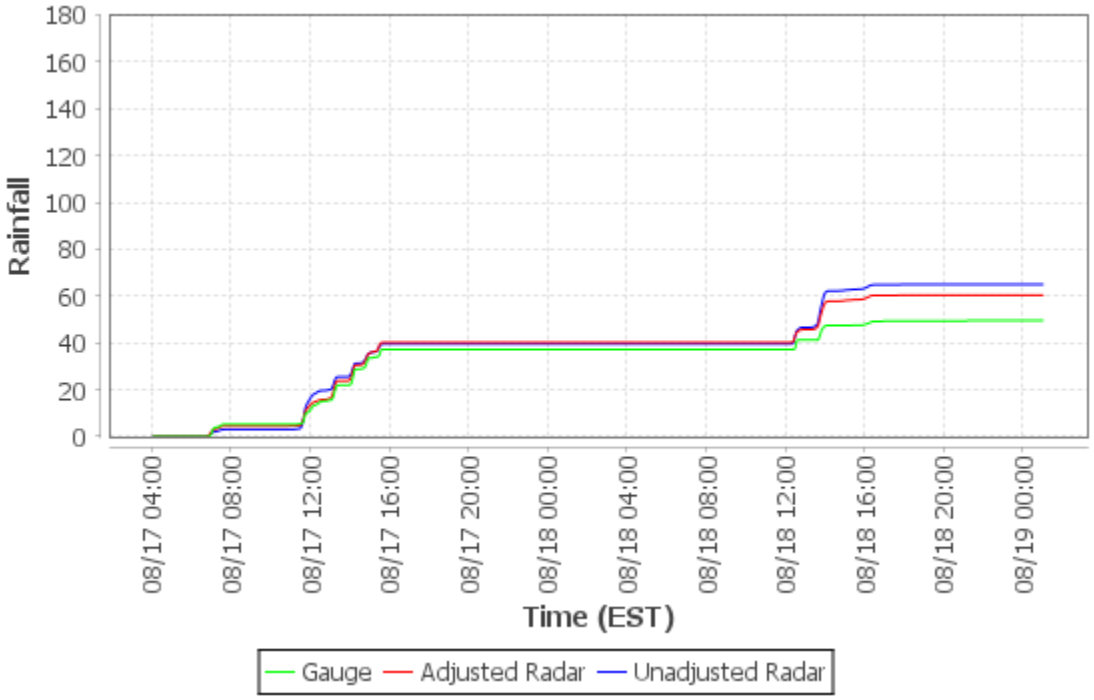
Cumulative Distribution Plot - BRITANNIA LEACHATE PUMPING (RG 23)



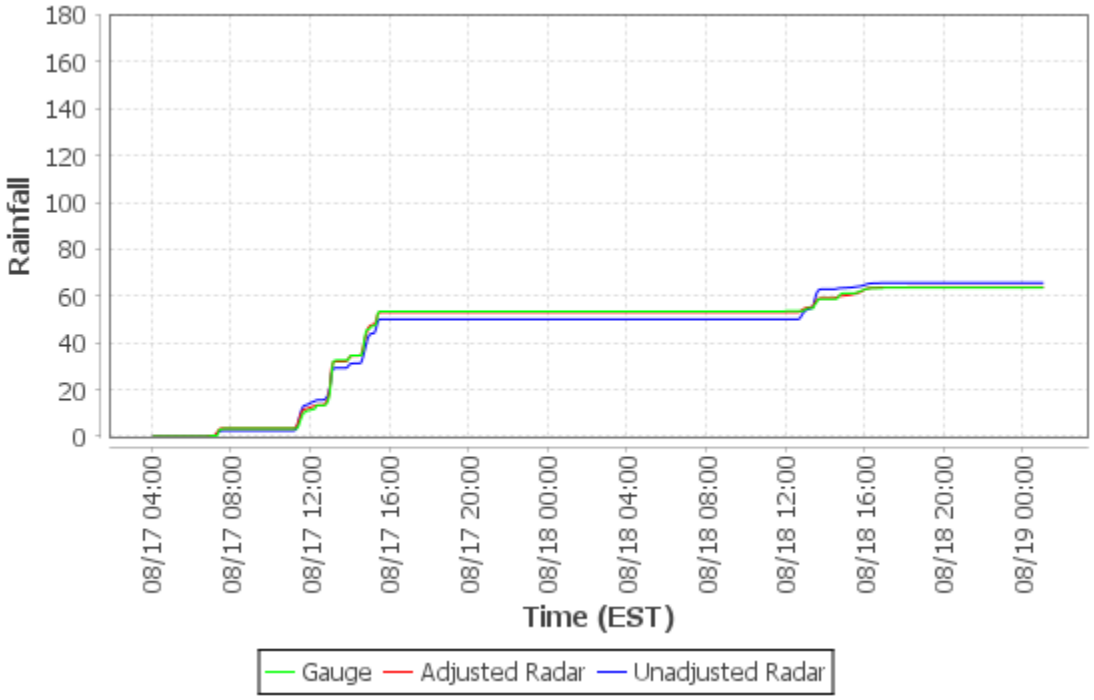
Cumulative Distribution Plot - MULLET CREEK SEWAGE (RG 24)



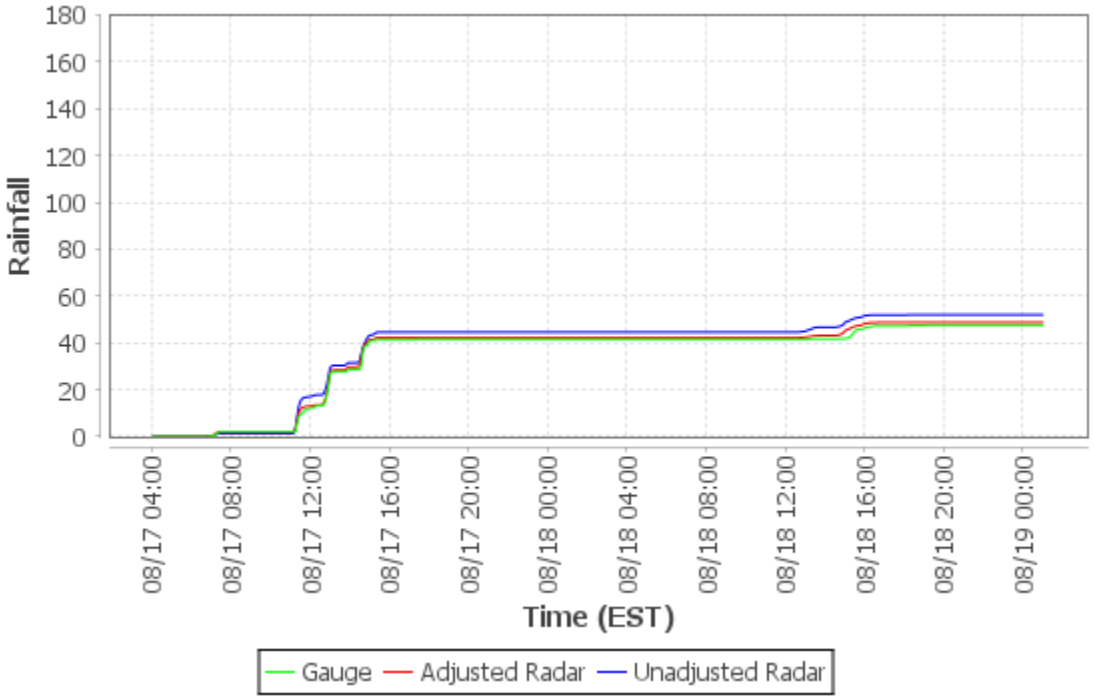
Cumulative Distribution Plot - RESERVOIR - BECKETT SPROULE (RG 25)



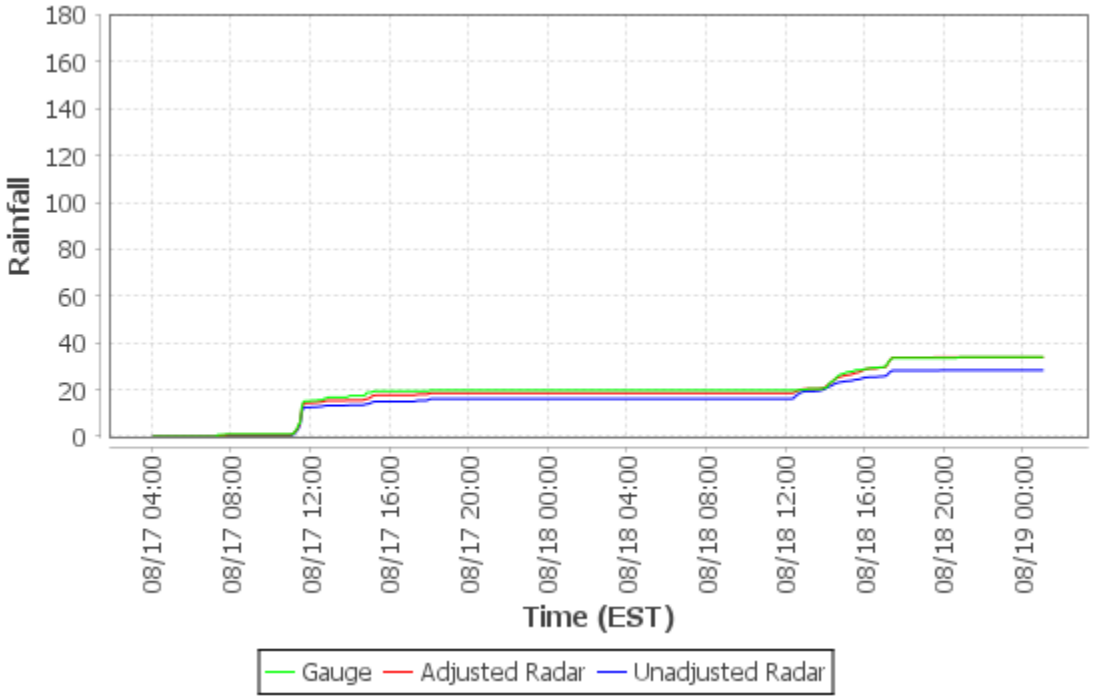
Cumulative Distribution Plot - McLaughlin - Chris Gibson Recreation Centre (RG 26)



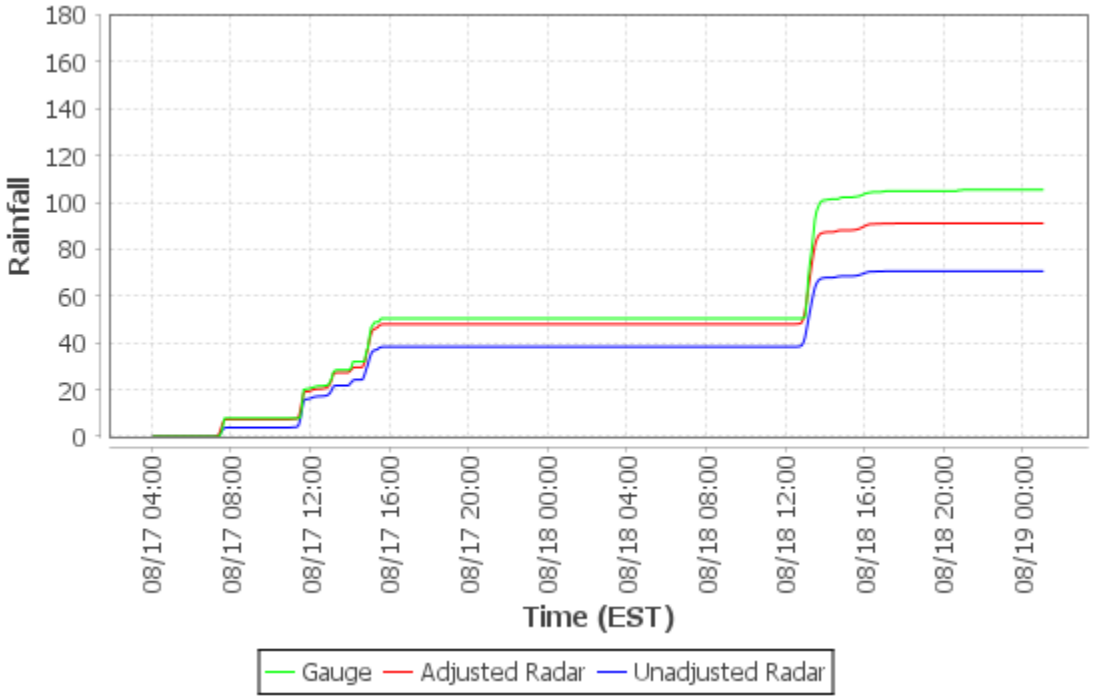
Cumulative Distribution Plot - RESERVOIR - WEST BRAMPTON (RG 27)



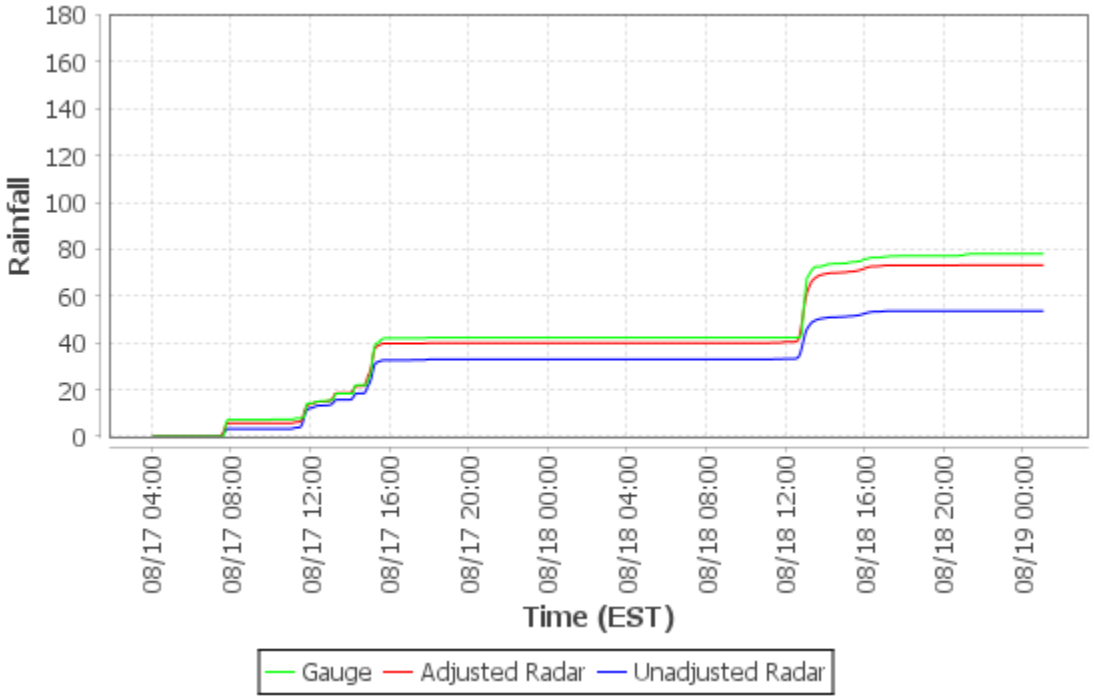
Cumulative Distribution Plot - RESERVOIR - NORTH BRAMPTON (RG 29)



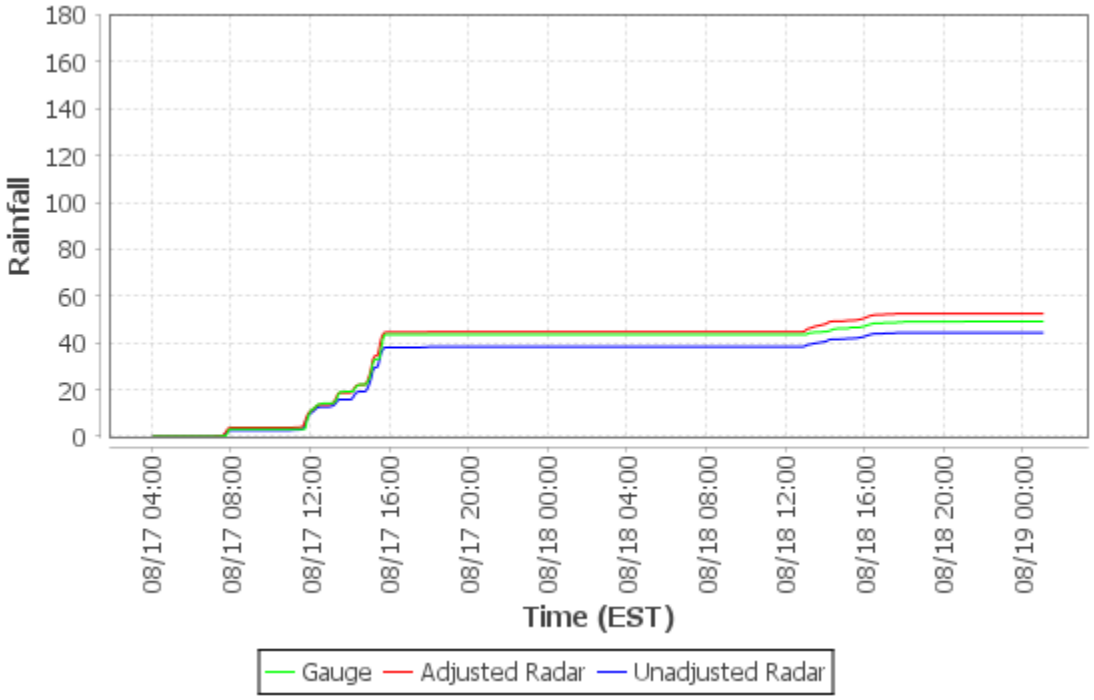
Cumulative Distribution Plot - East Brampton Res (RG 31)



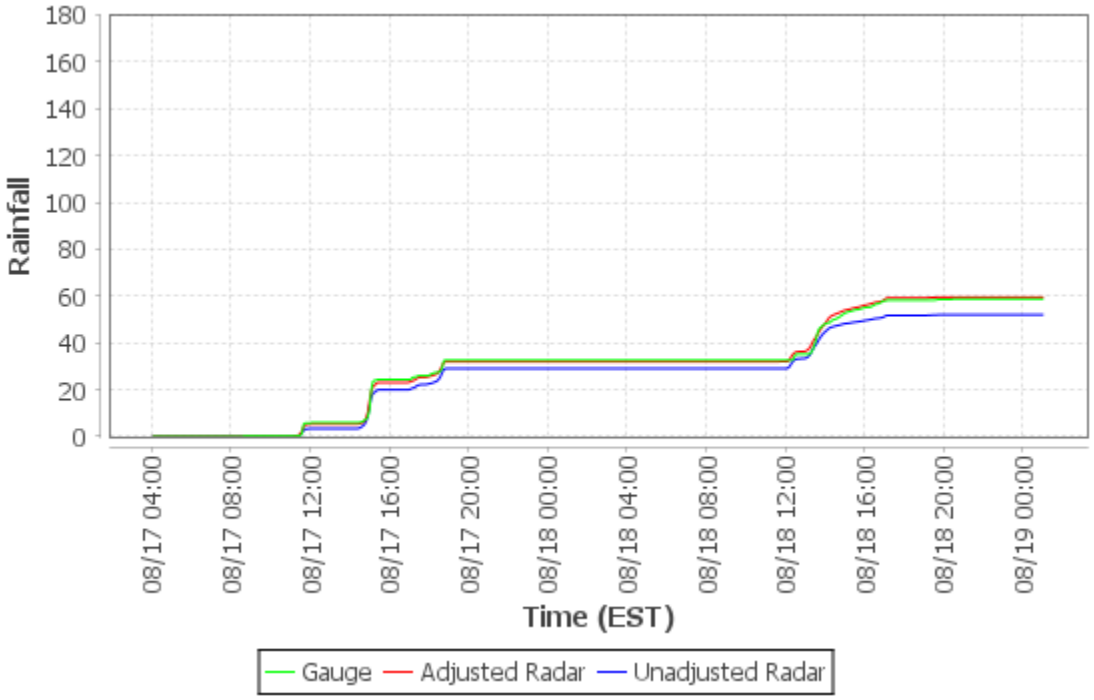
Cumulative Distribution Plot - RESERVOIR - AIRPORT (RG 32)



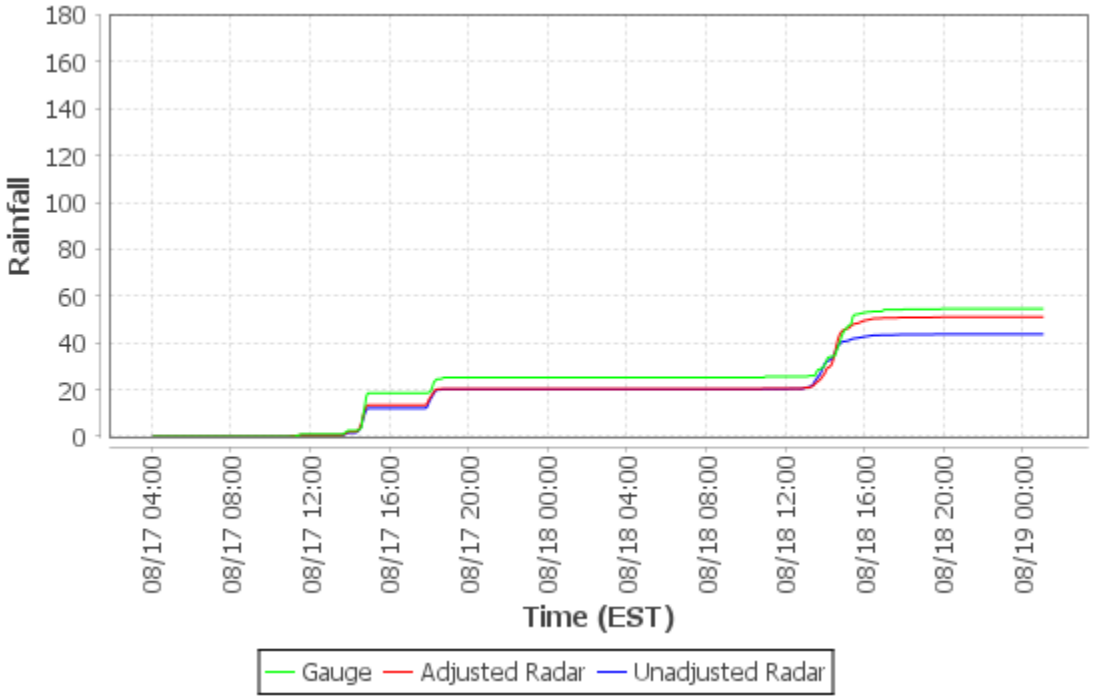
Cumulative Distribution Plot - MCVEAN SEWAGE PUMPING (RG 34)



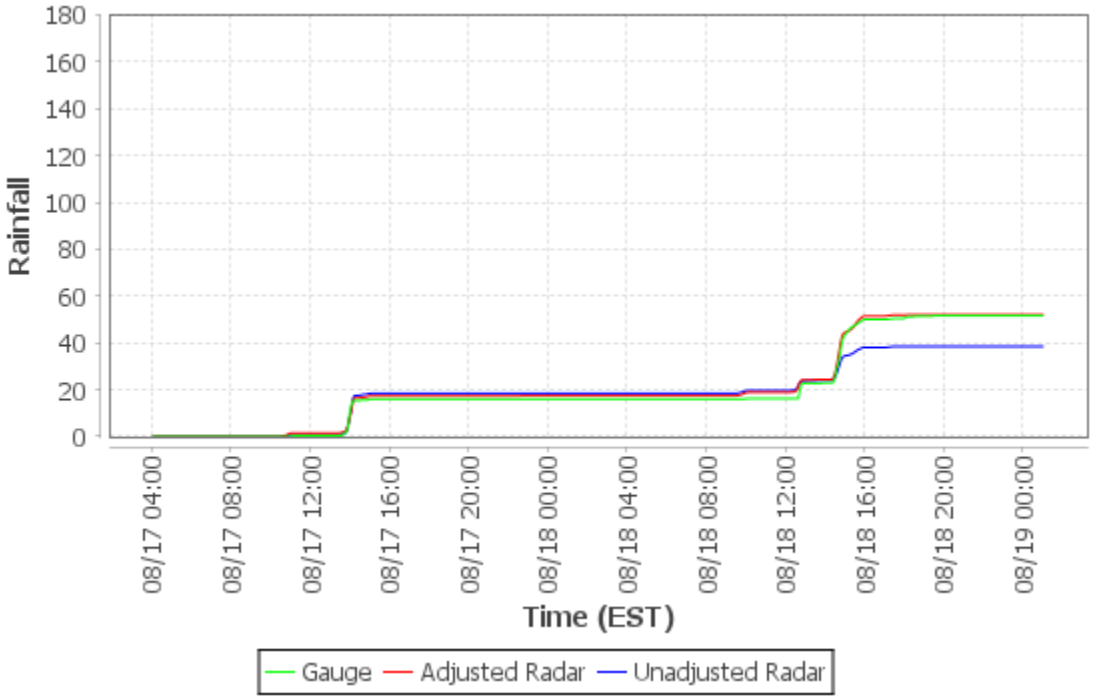
Cumulative Distribution Plot - CHINGUACOUSY LEACHATE PUMPING (RG 36)



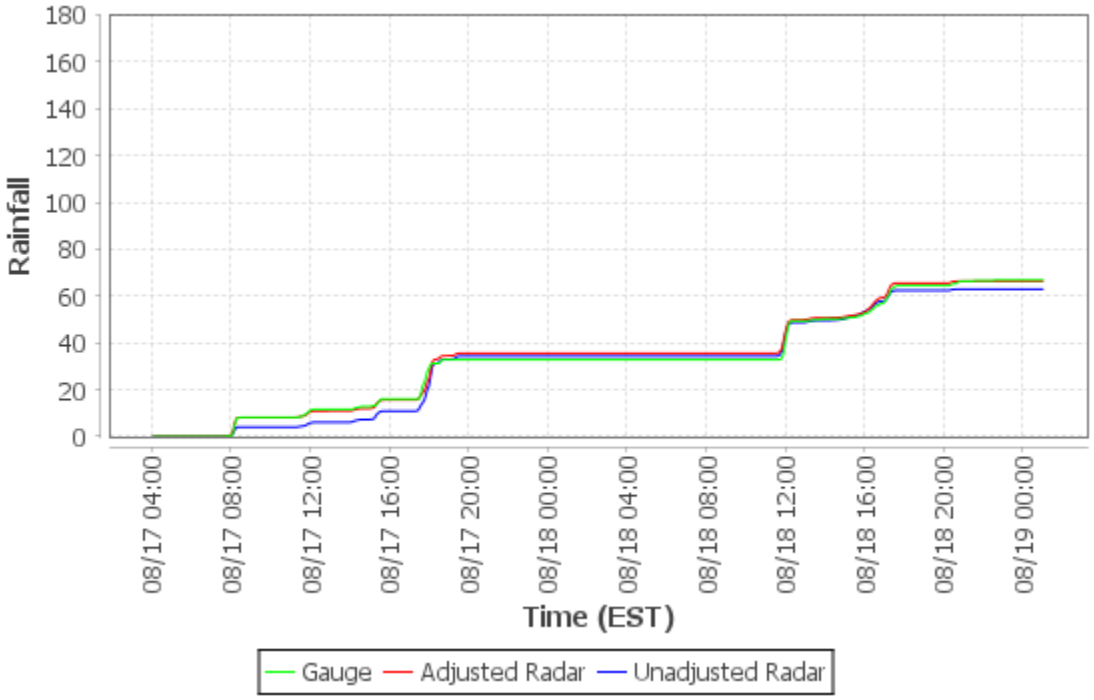
Cumulative Distribution Plot - Inglewood Pumping Stn (RG 39)



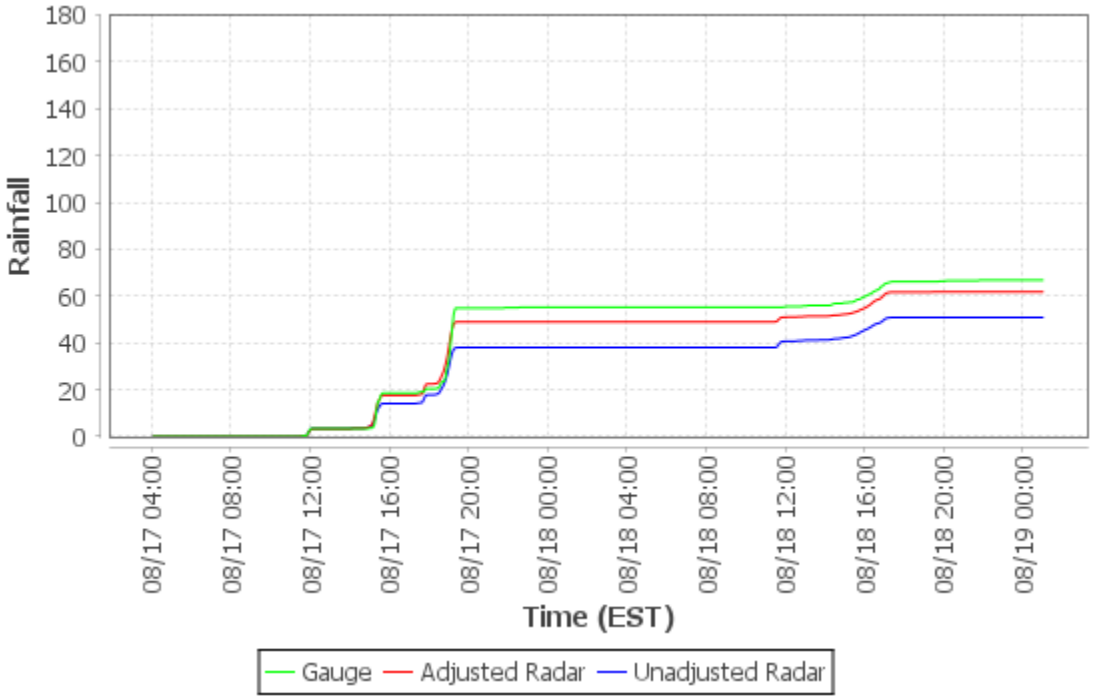
Cumulative Distribution Plot - Caledon Reservoir (RG 42)



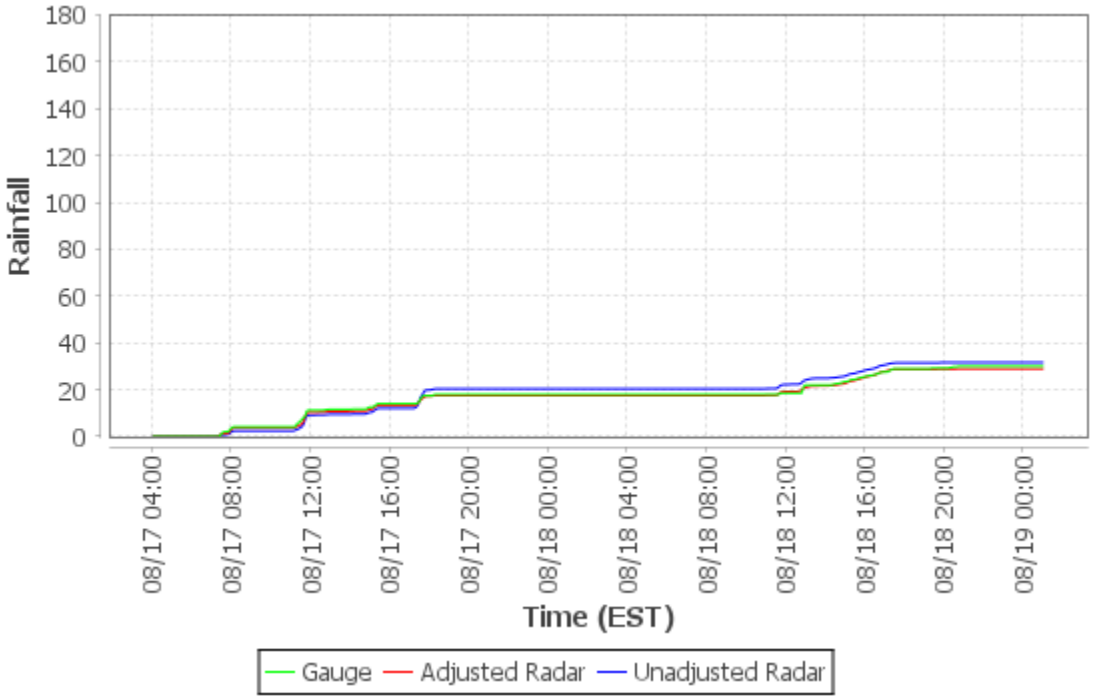
Cumulative Distribution Plot - Bolton Recycle Center (RG 45)



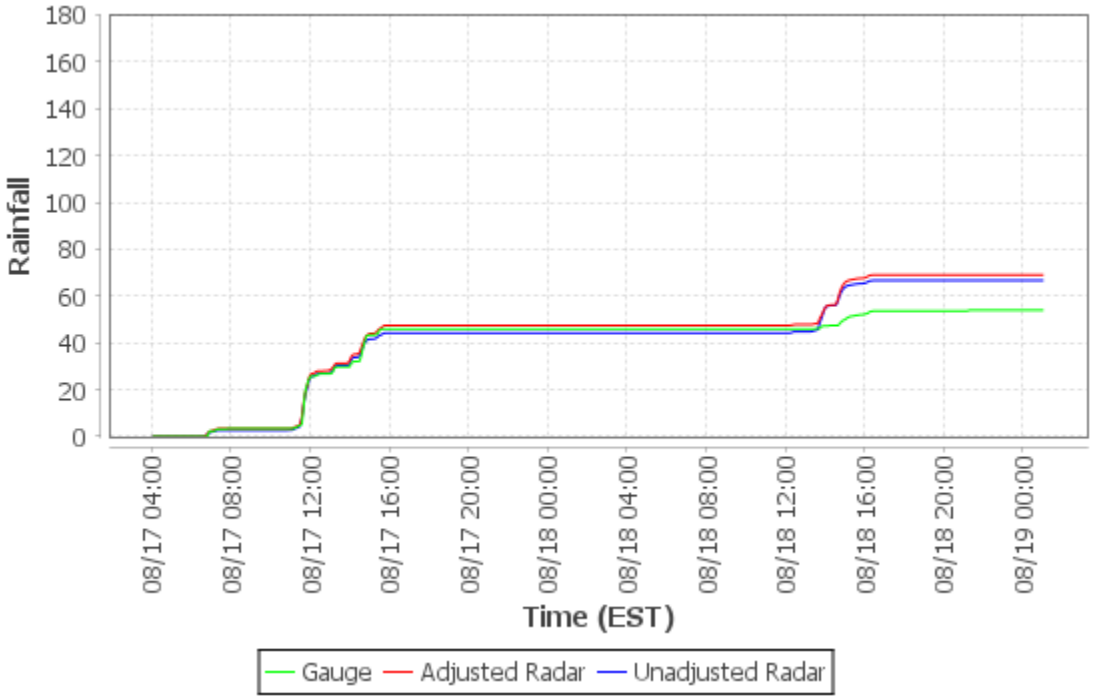
Cumulative Distribution Plot - St. Nicholas (RG 46)



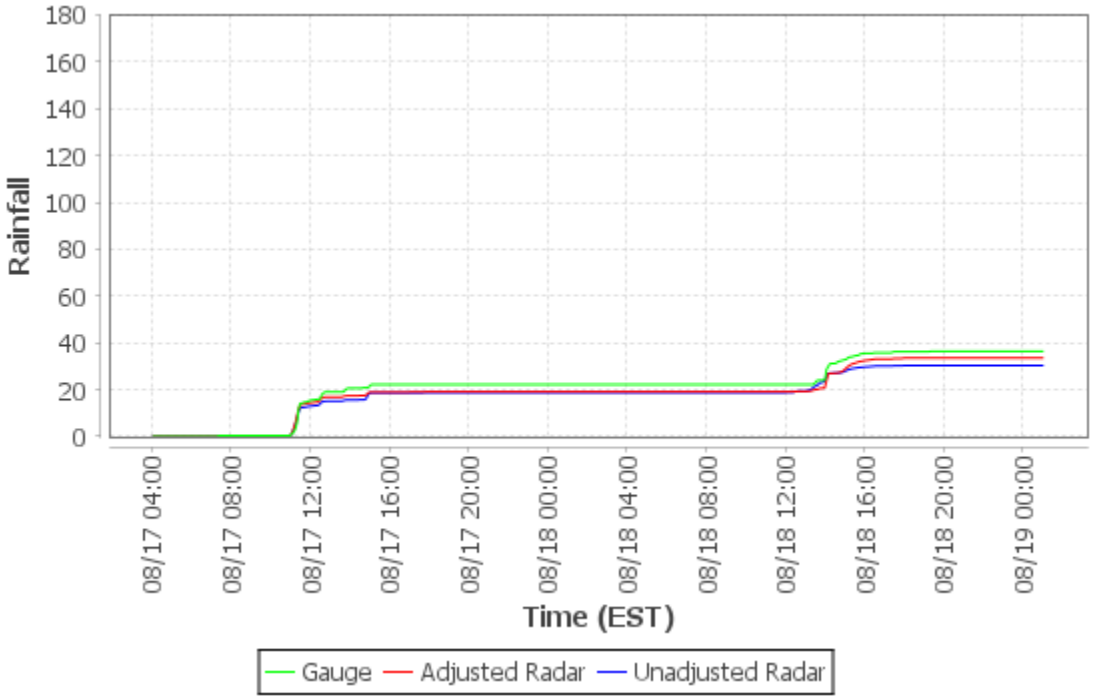
Cumulative Distribution Plot - TULLAMORE RESERVOIR (RG 59)



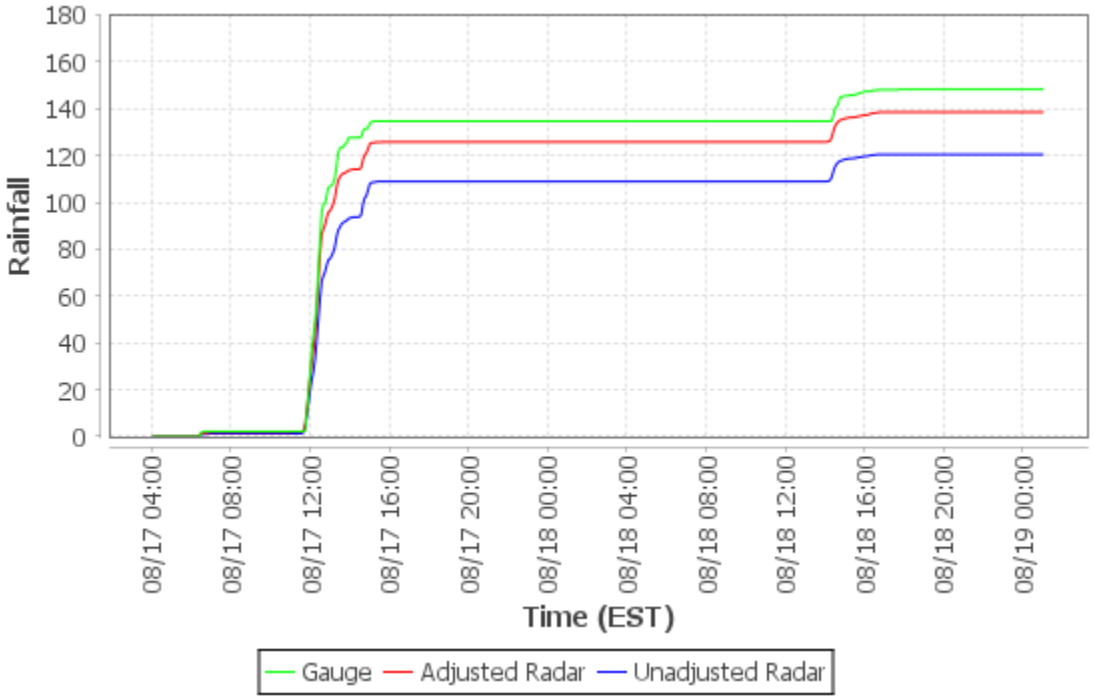
Cumulative Distribution Plot - PAULINE VANIER (RG 60)



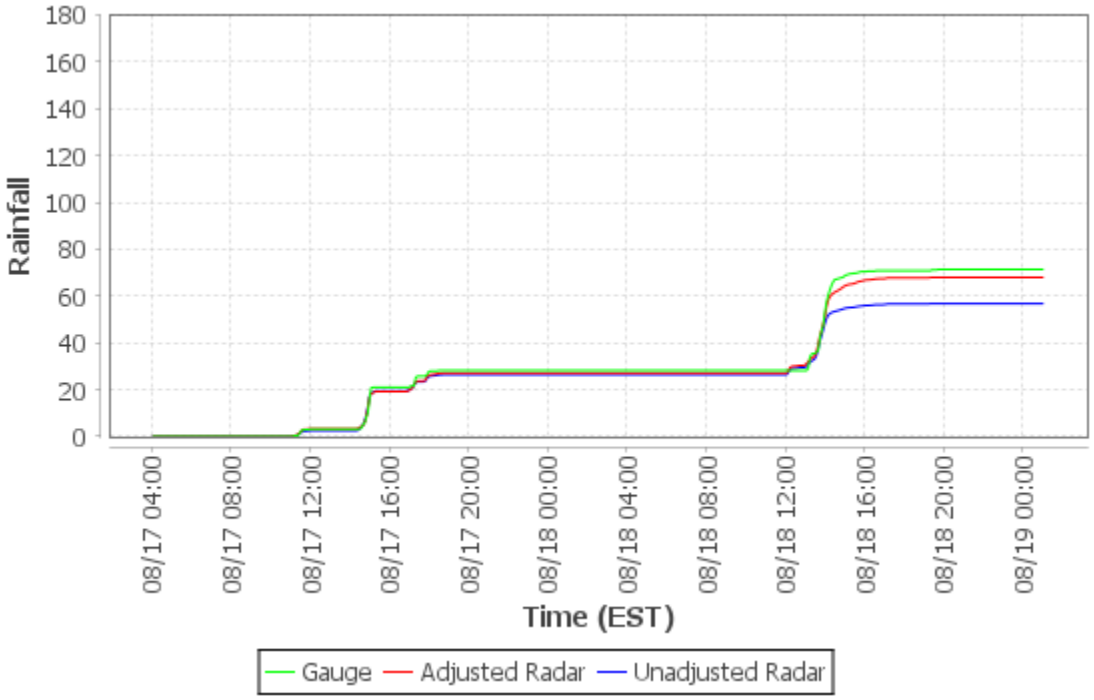
Cumulative Distribution Plot - Alloa Reservoir RG (RG 62)



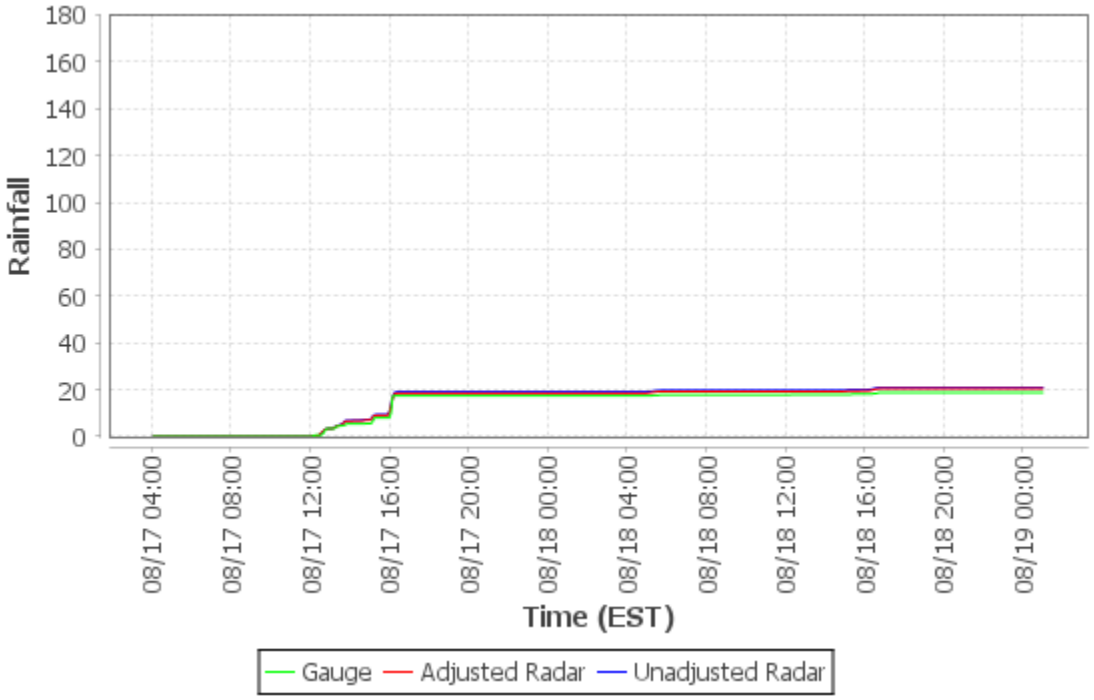
Cumulative Distribution Plot - St. Hilary Elementary School (St. Hilary)



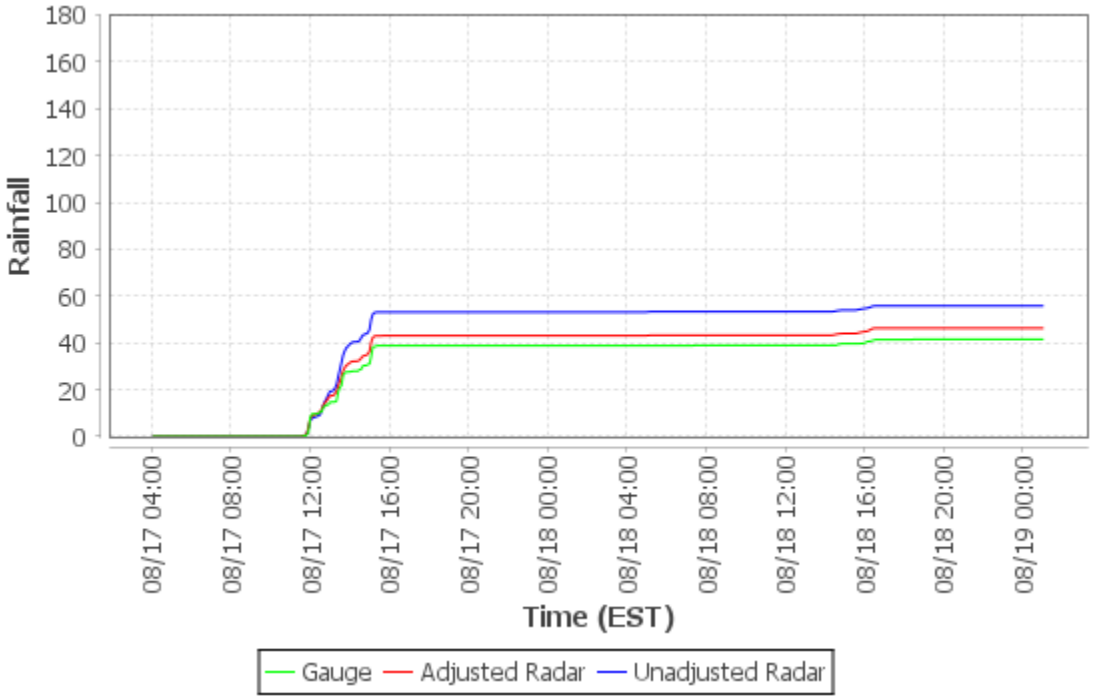
Cumulative Distribution Plot - Victoria Yard (Victoria Yard)



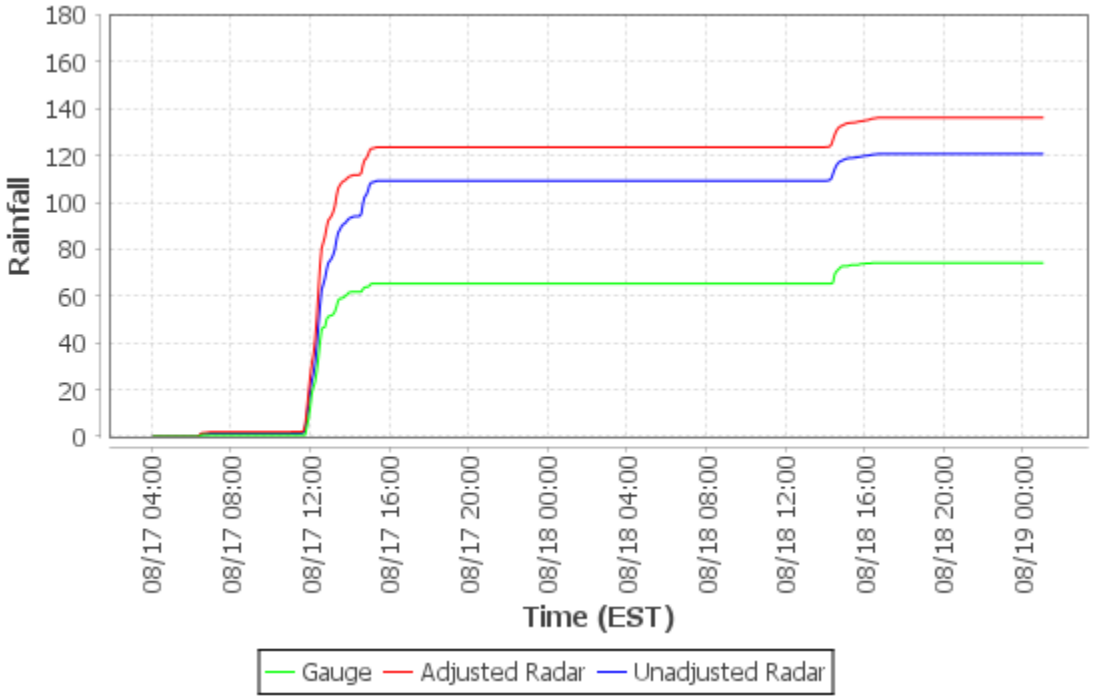
Cumulative Distribution Plot - Lakeview (STN 01)



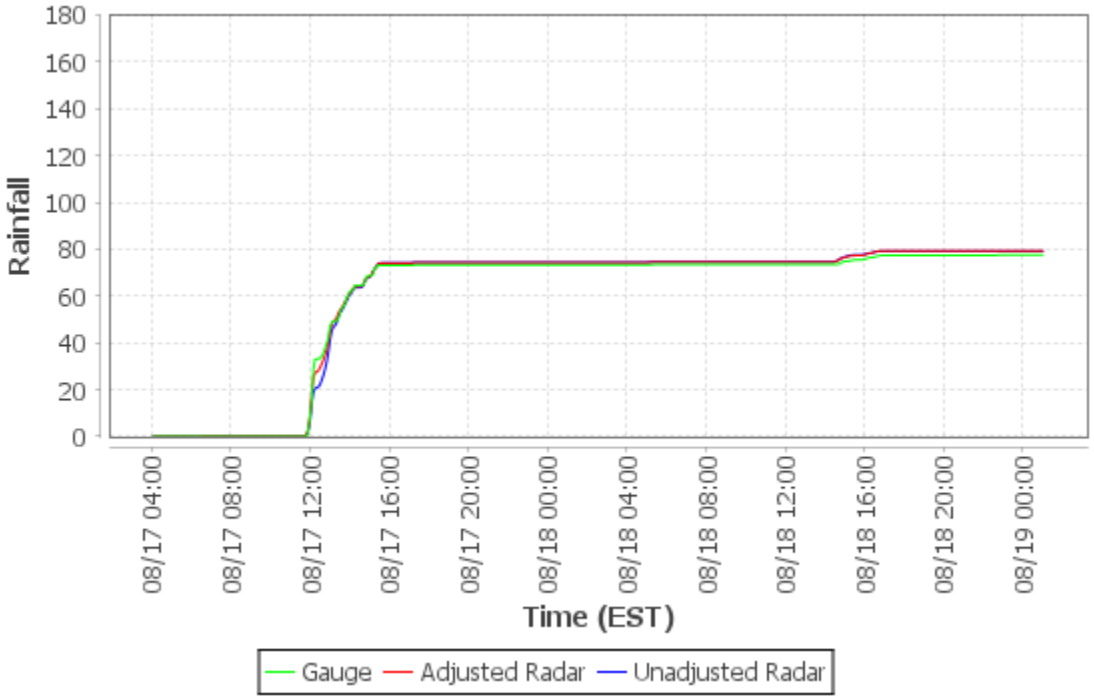
Cumulative Distribution Plot - Wolfedale (STN 03)



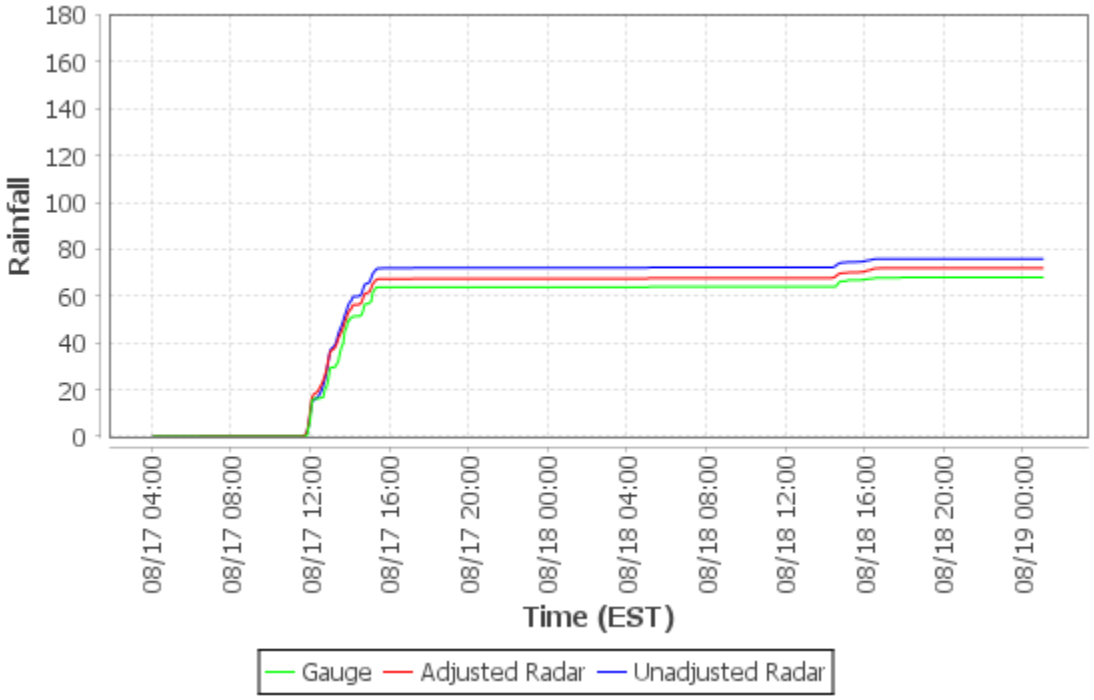
Cumulative Distribution Plot - Mississauga Central (STN 04)



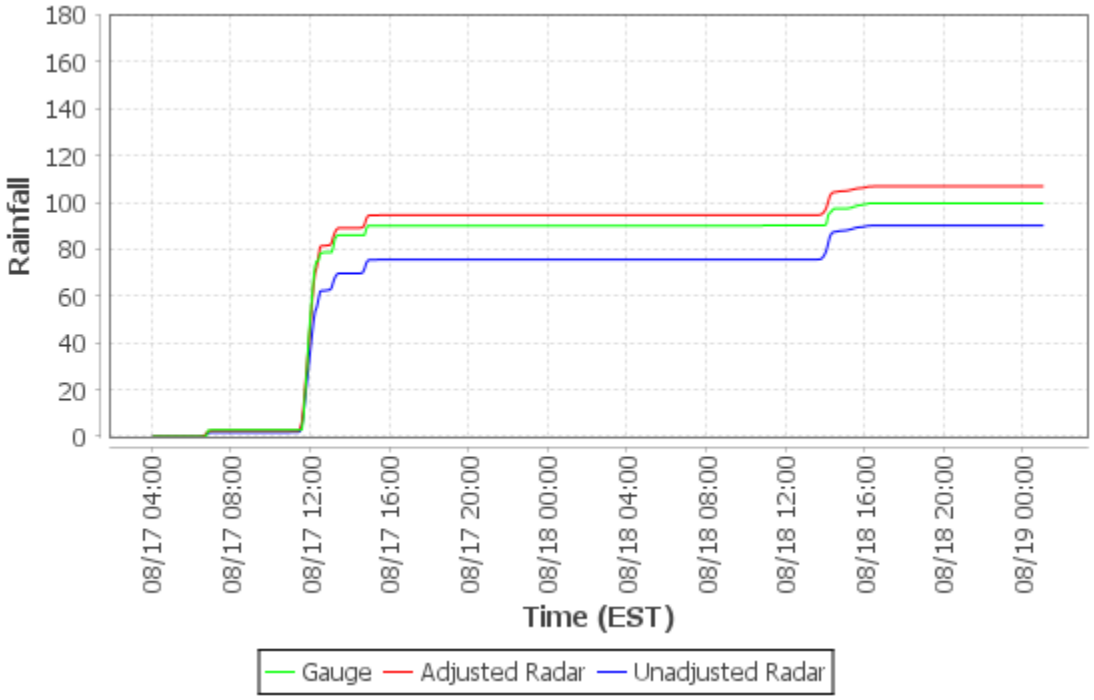
Cumulative Distribution Plot - Winding Trail (STN 05)



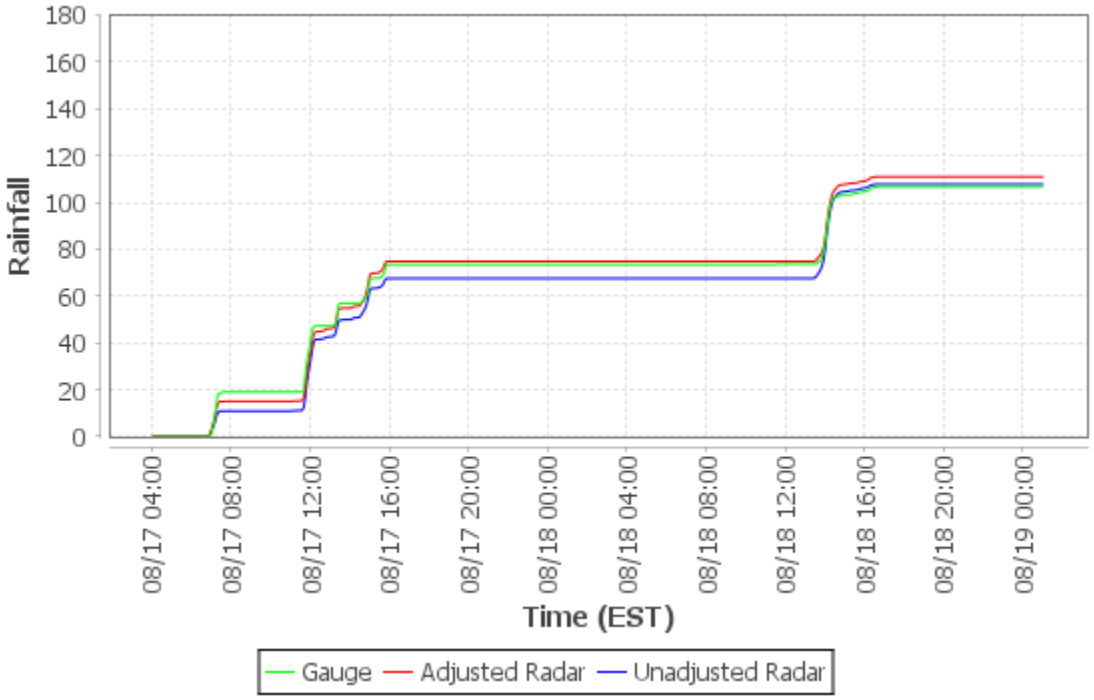
Cumulative Distribution Plot - Mississauga Valley (STN 06)



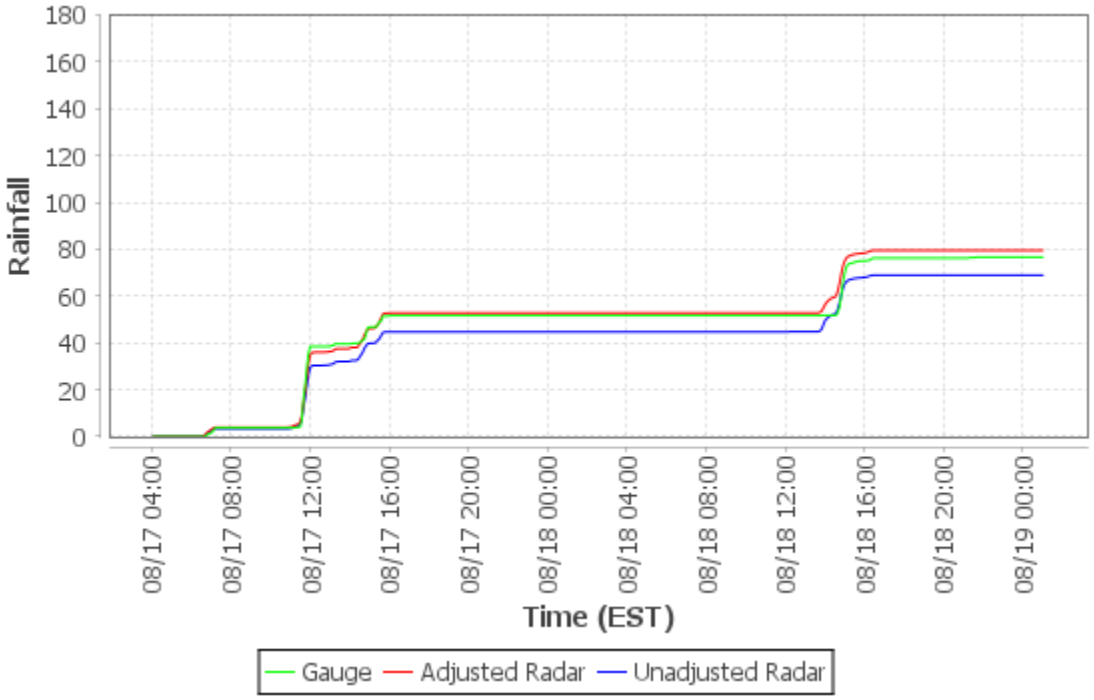
Cumulative Distribution Plot - Streetsville (STN 07)



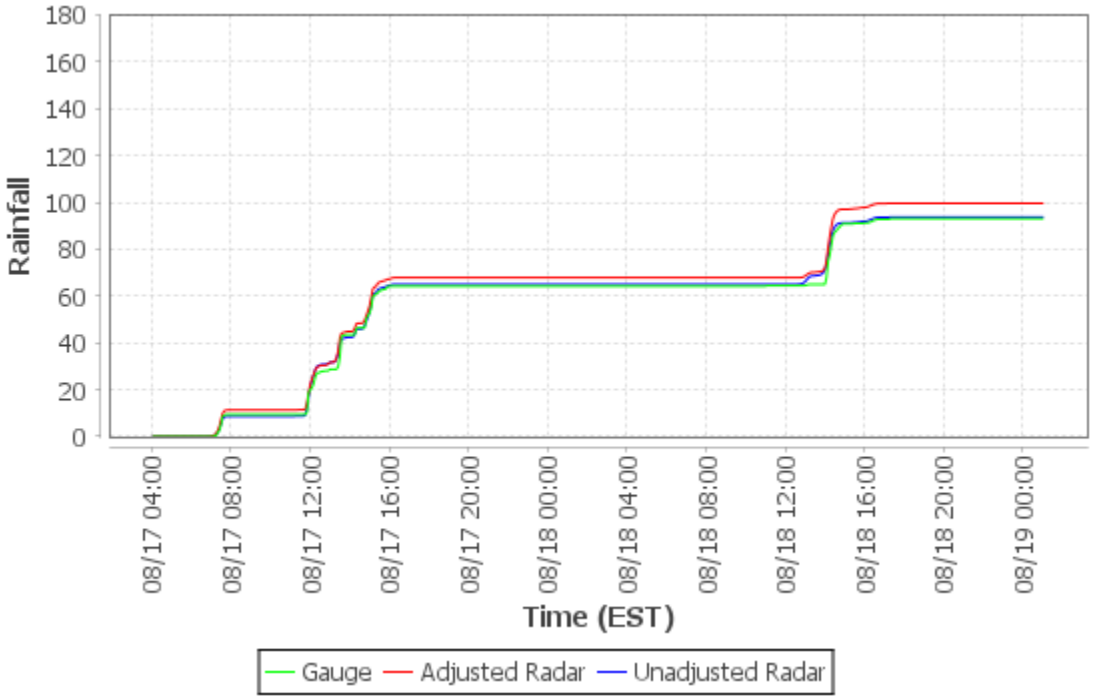
Cumulative Distribution Plot - Tomken (STN 08)



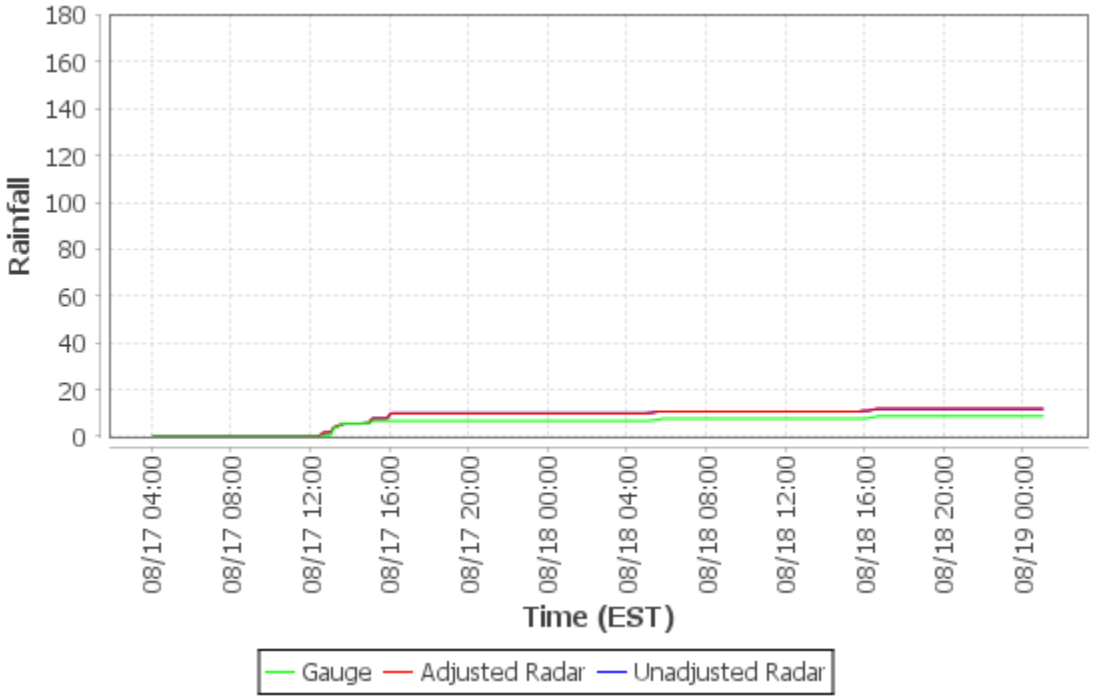
Cumulative Distribution Plot - CVC (STN 12)



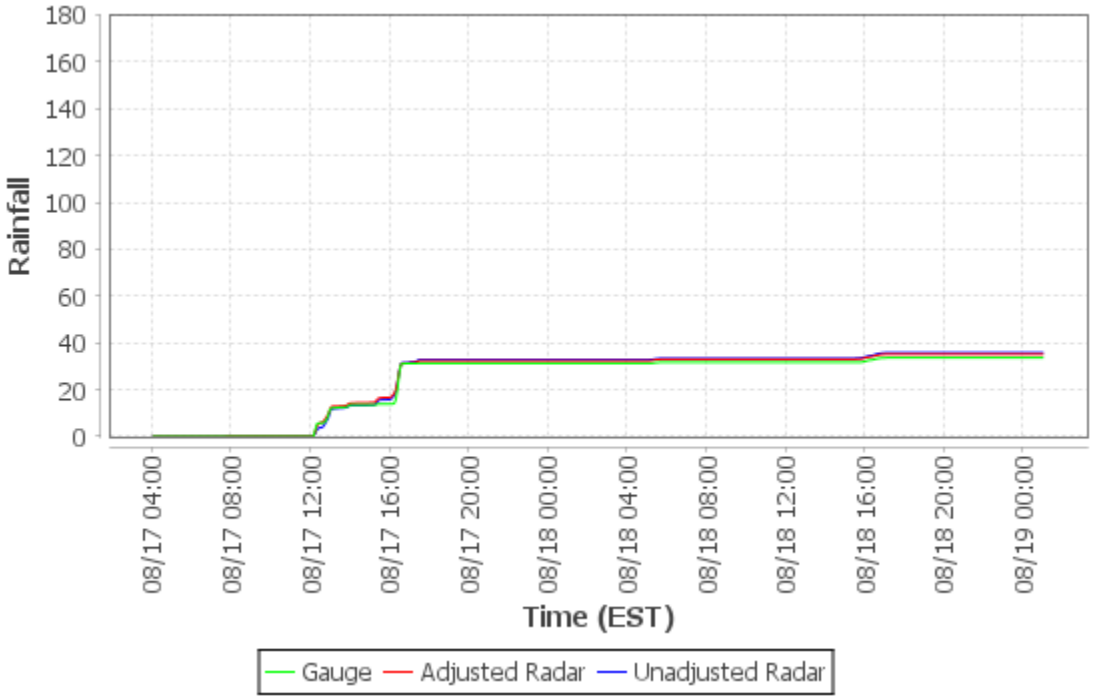
Cumulative Distribution Plot - Goreway (STN 13)



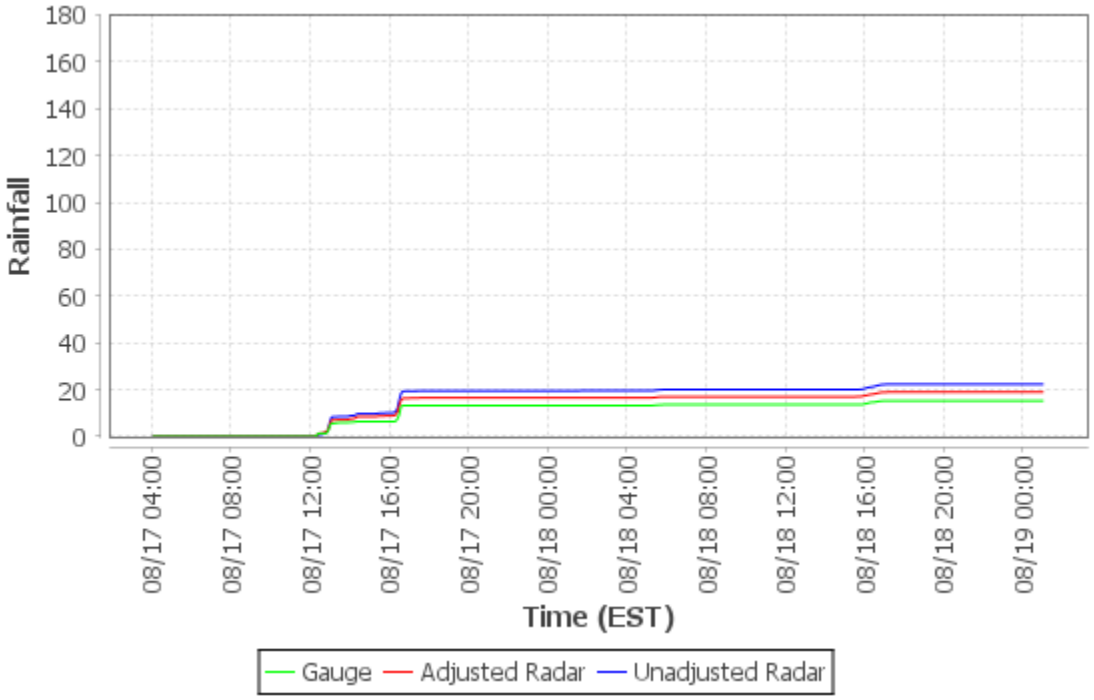
Cumulative Distribution Plot - Port Credit (STN 14)



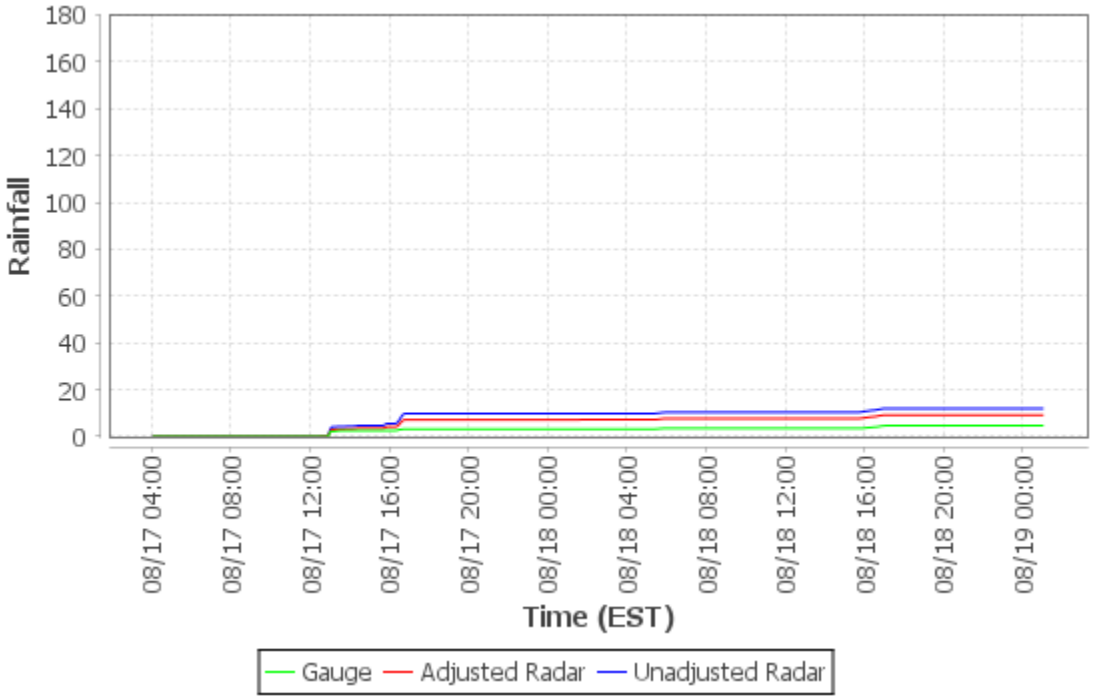
Cumulative Distribution Plot - Swansea Hall (TOR_RG-001)



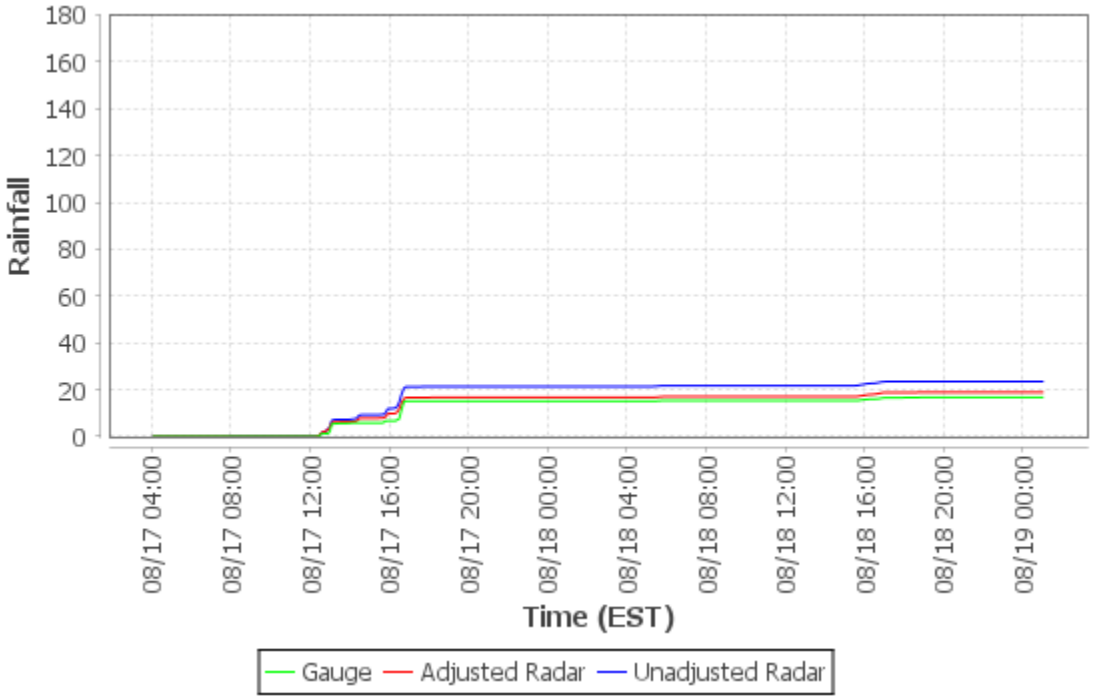
Cumulative Distribution Plot - High Park (TOR_RG-002)



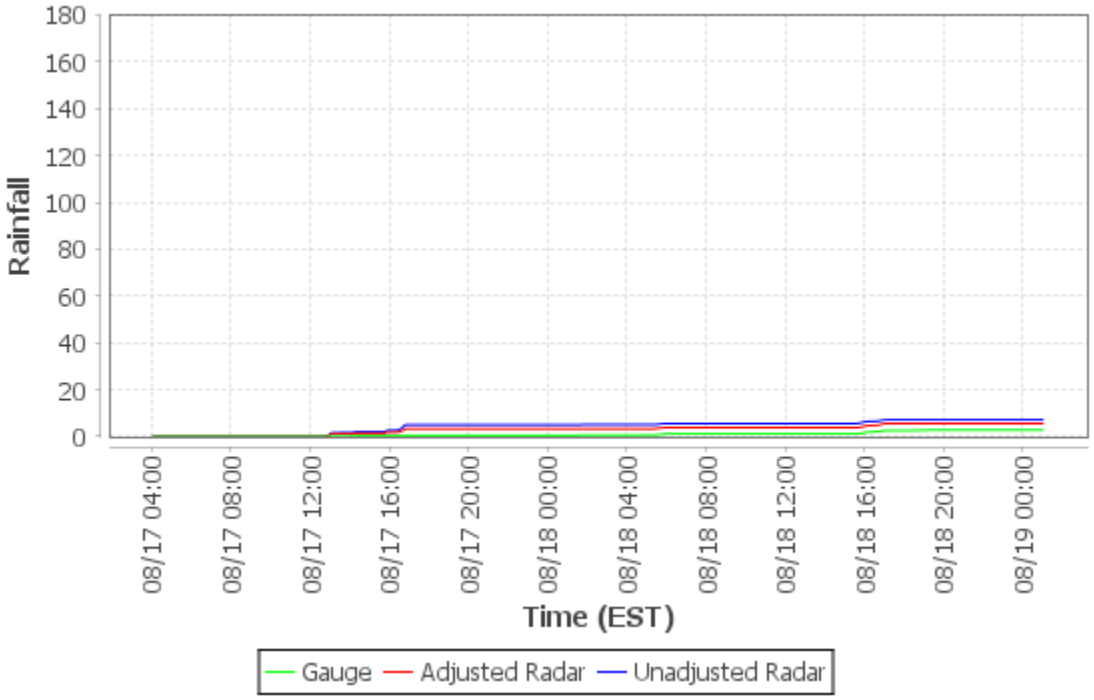
Cumulative Distribution Plot - Fire Station 315 (TOR_RG-003)



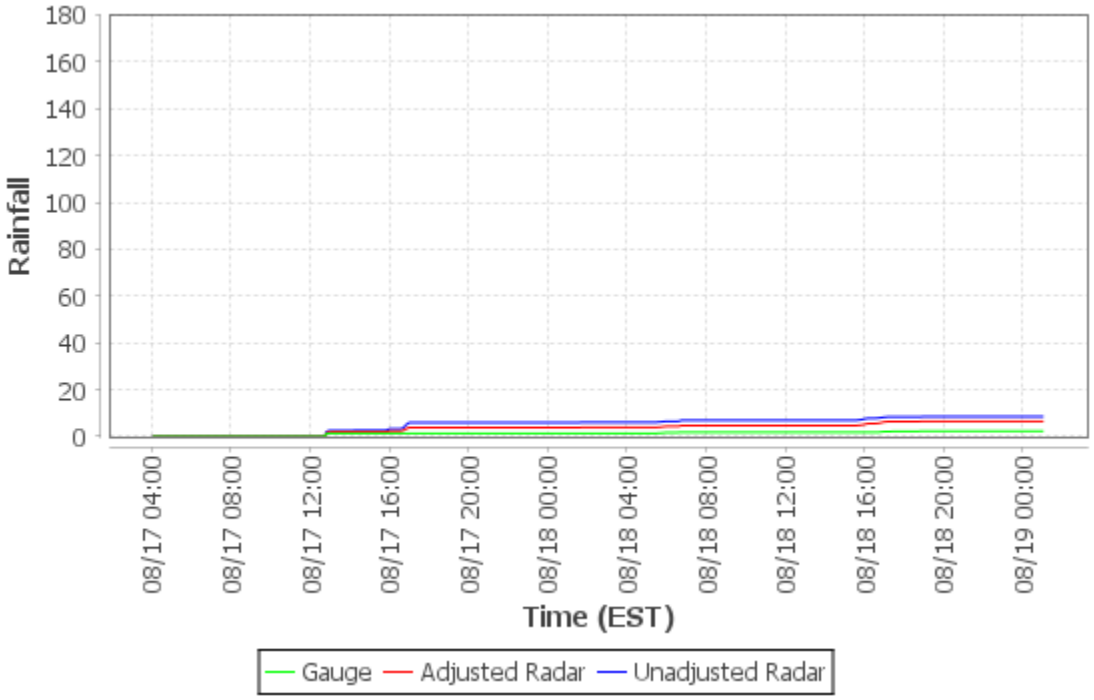
Cumulative Distribution Plot - High Level PS (TOR_RG-004)



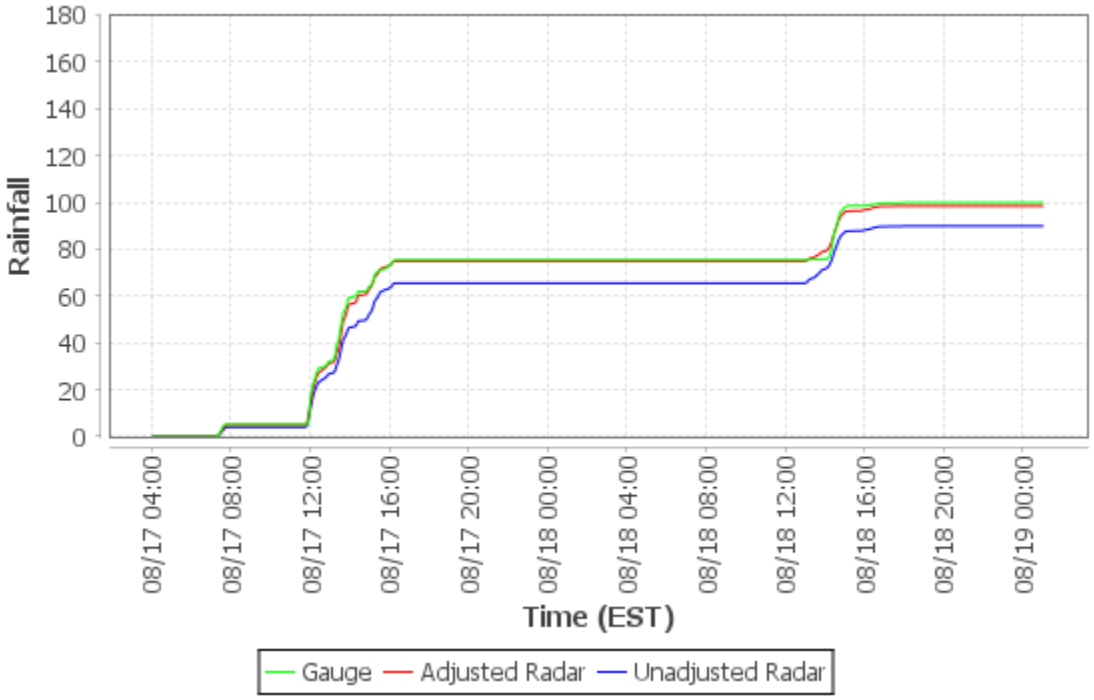
Cumulative Distribution Plot - Allan Gardens (TOR_RG-006)



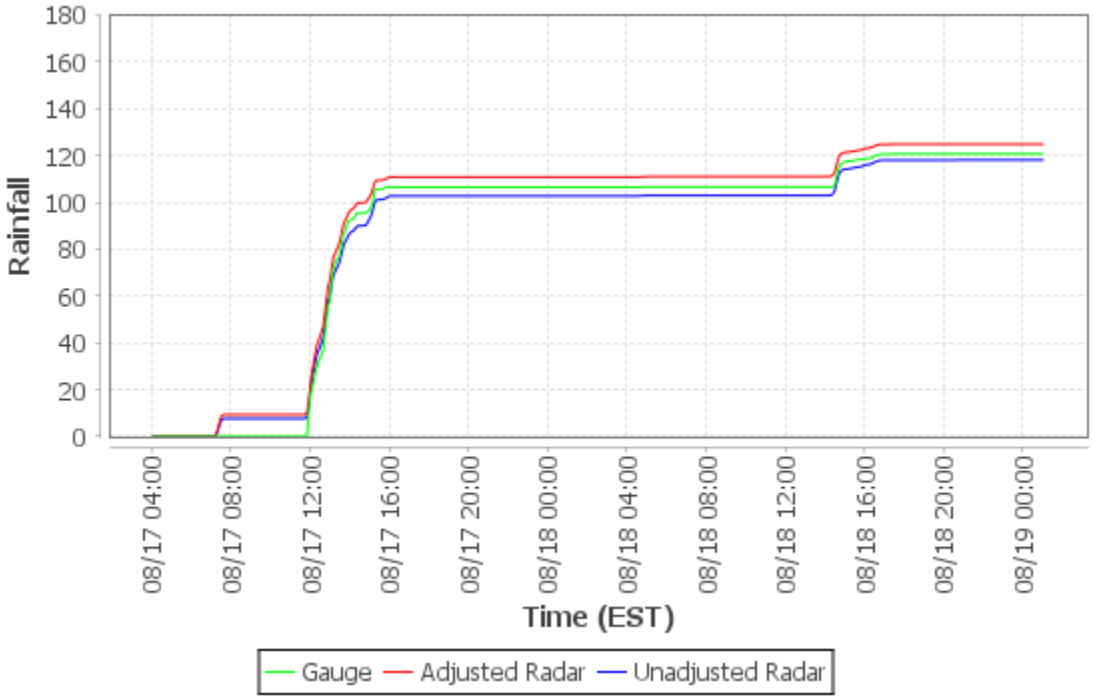
Cumulative Distribution Plot - Greenwood (TOR_RG-007)



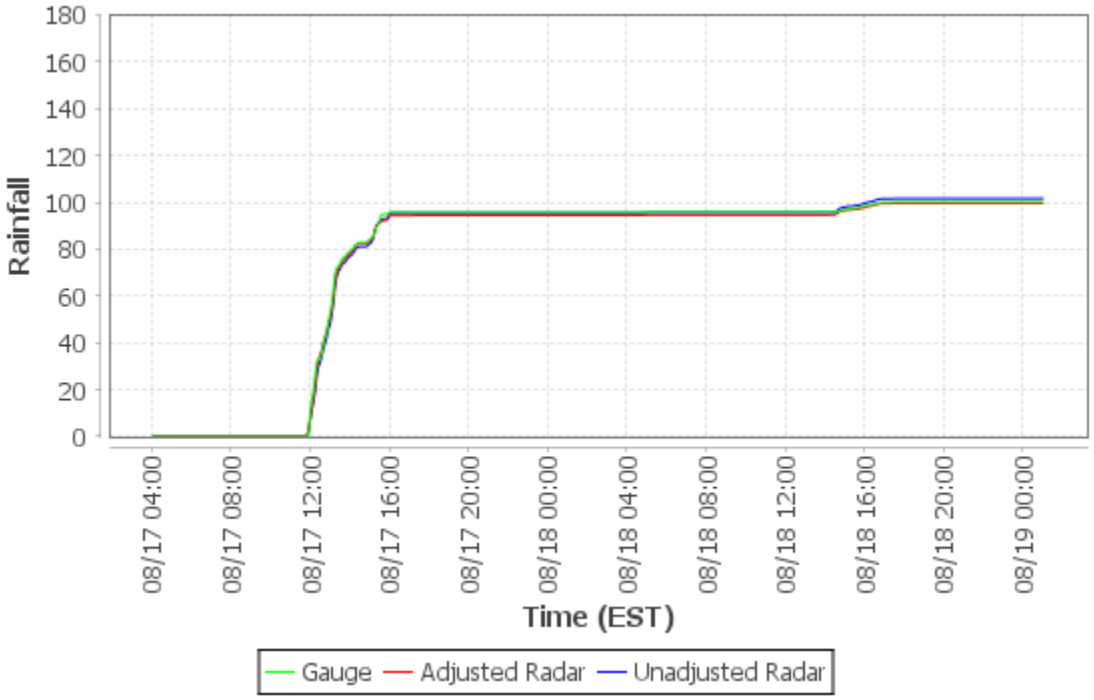
Cumulative Distribution Plot - Albion (TOR_RG-012)



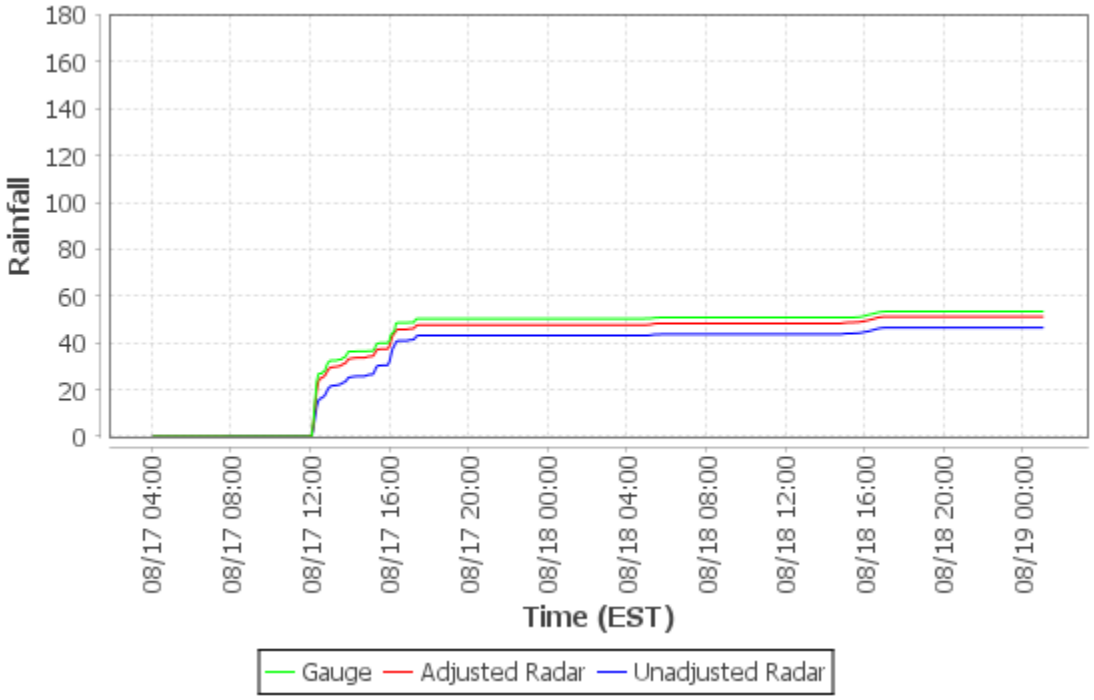
Cumulative Distribution Plot - Martin Grove (TOR_RG-013)



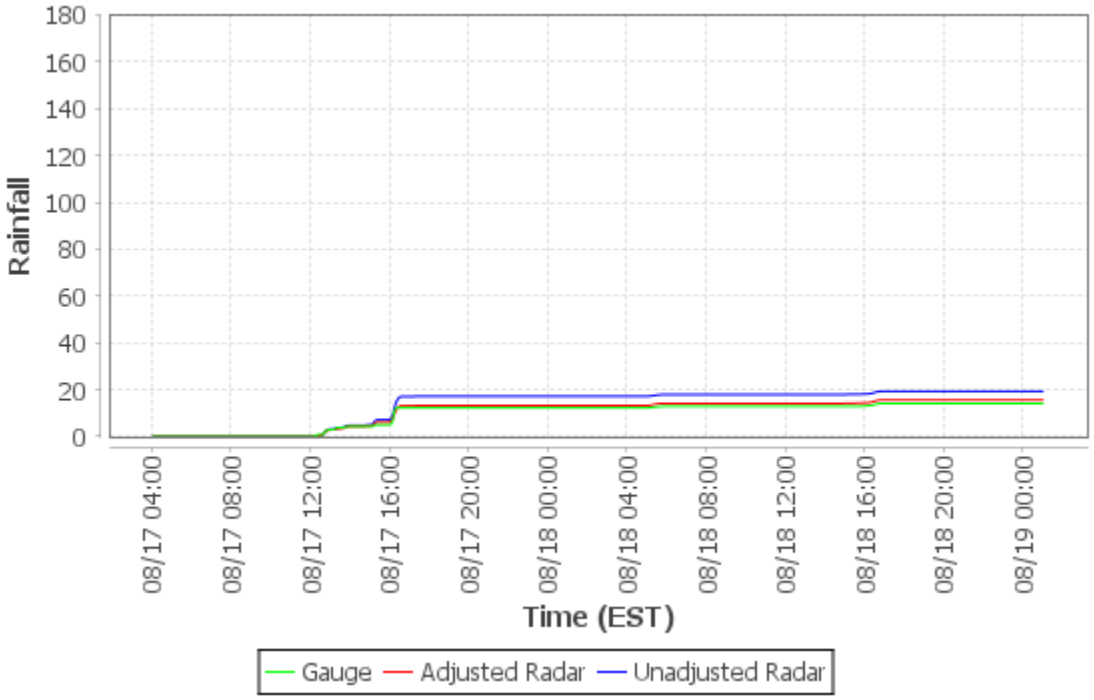
Cumulative Distribution Plot - Richview (TOR_RG-014)



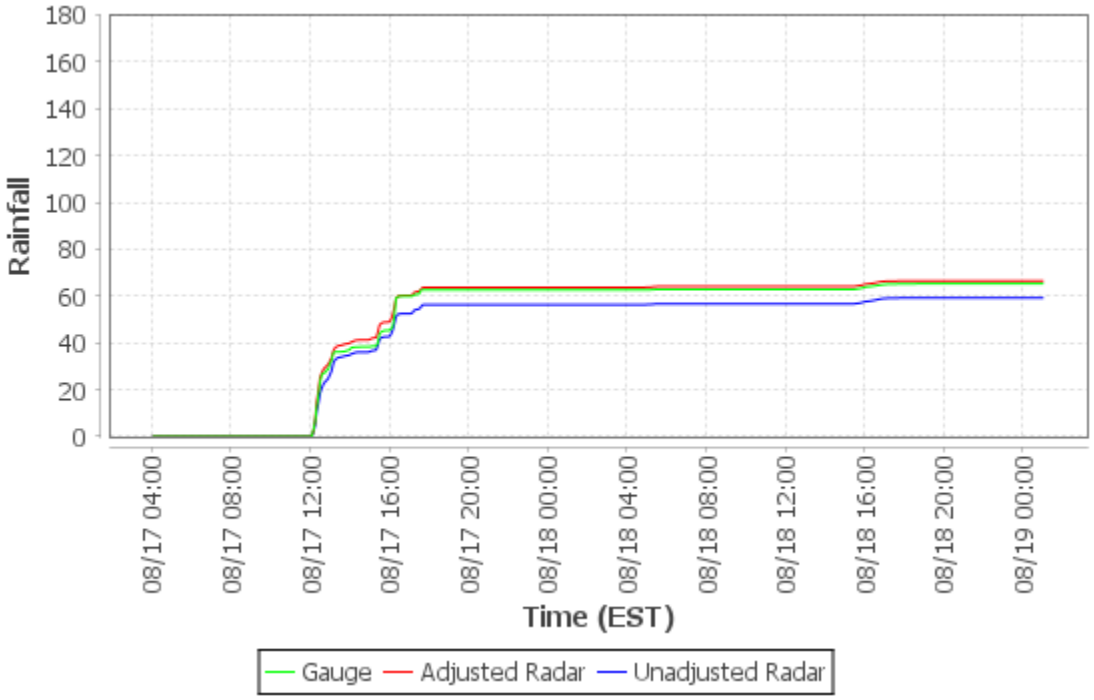
Cumulative Distribution Plot - Bering (TOR_RG-015)



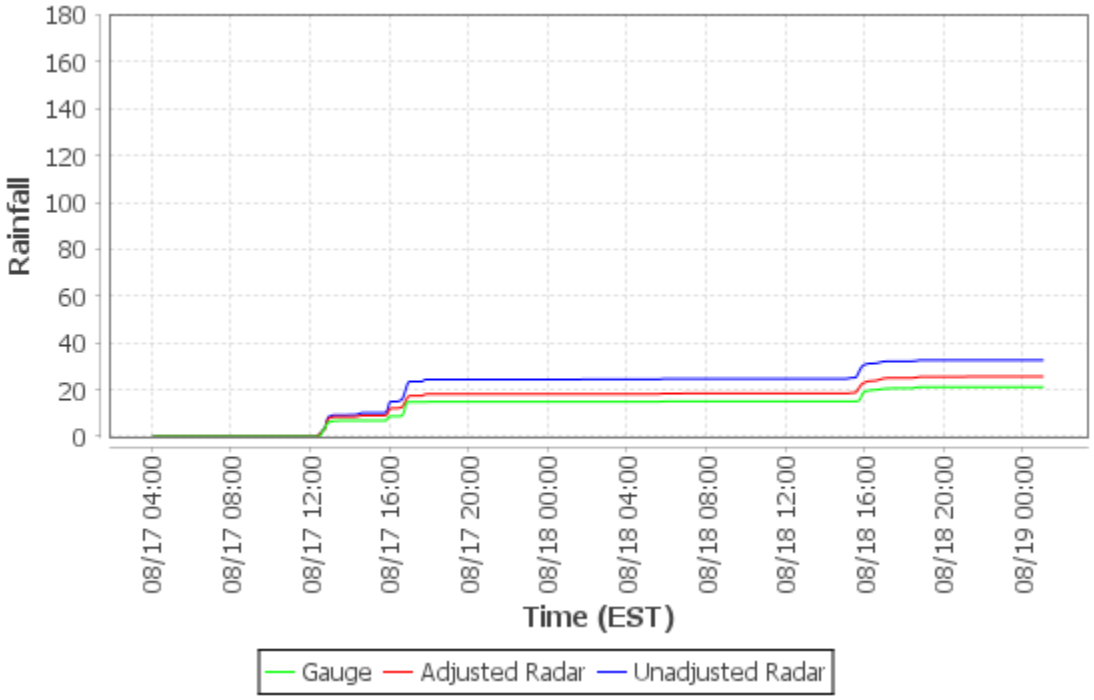
Cumulative Distribution Plot - Kipling (TOR_RG-016)



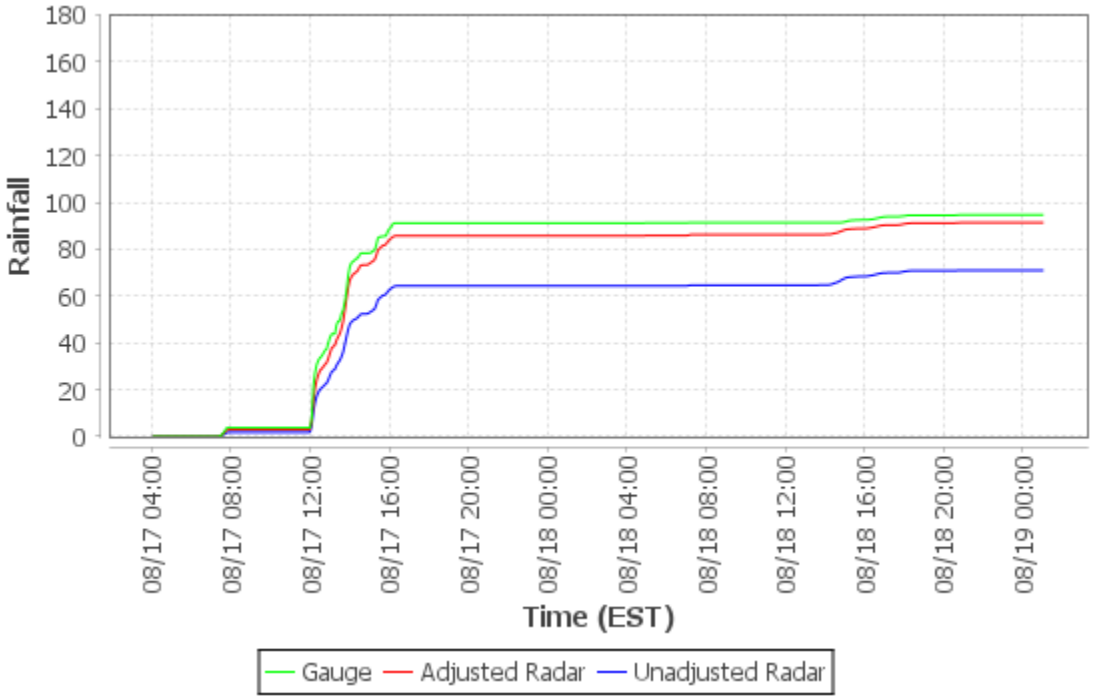
Cumulative Distribution Plot - Castle Field Yard (TOR_RG-017)



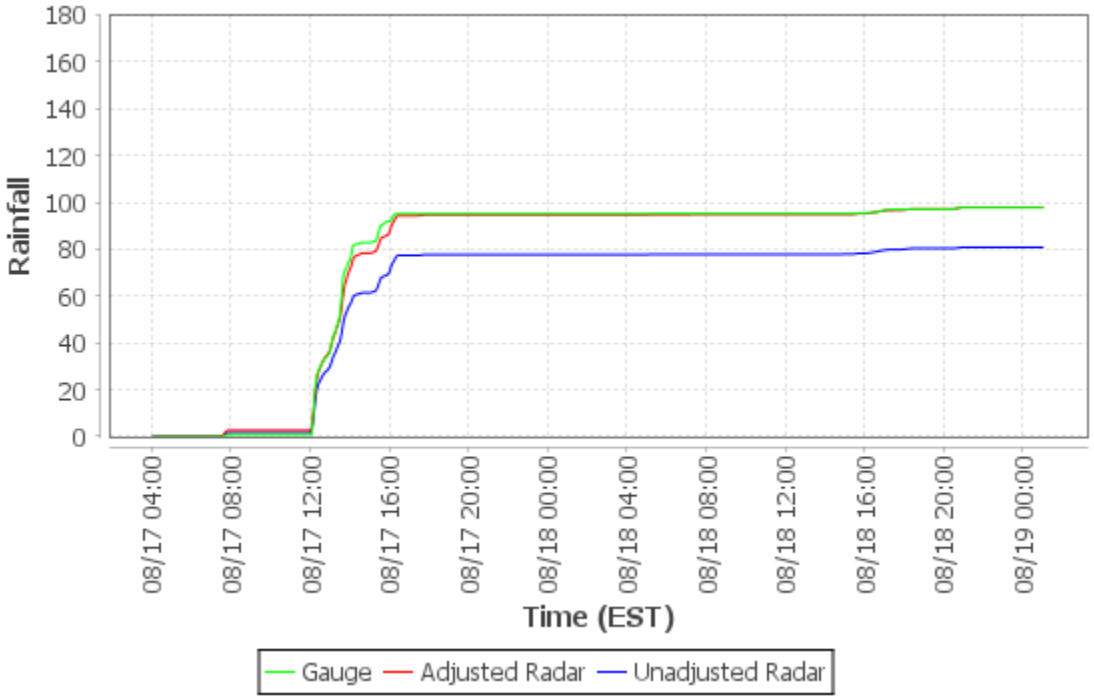
Cumulative Distribution Plot - Thorncliffe (TOR_RG-018)



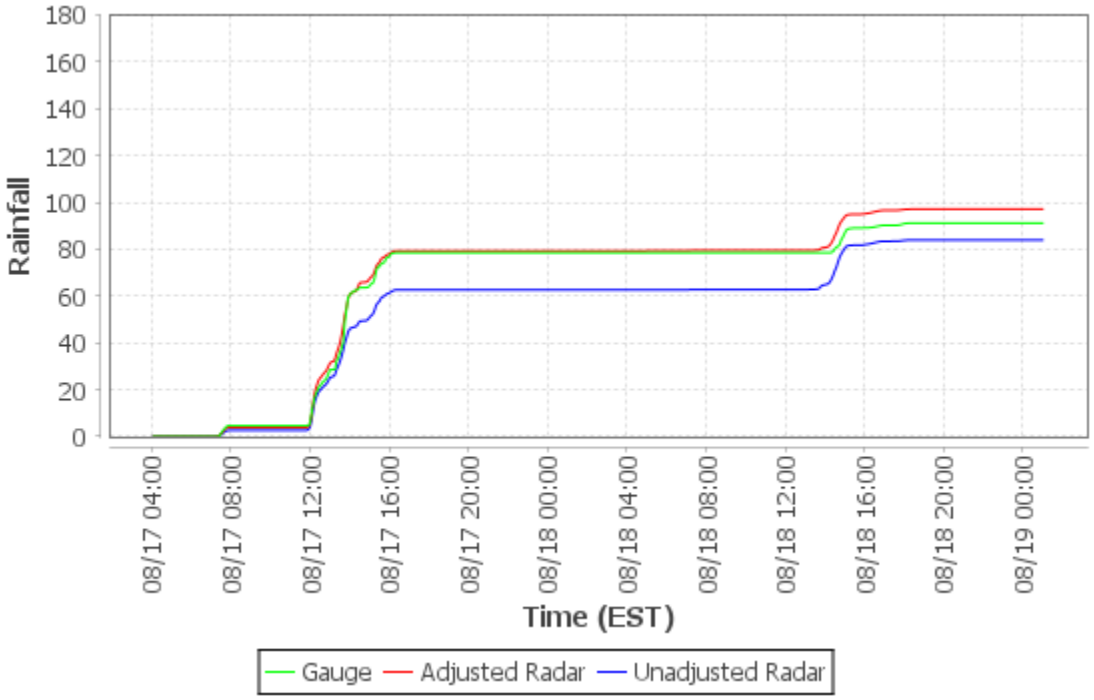
Cumulative Distribution Plot - Jane (TOR_RG-019)



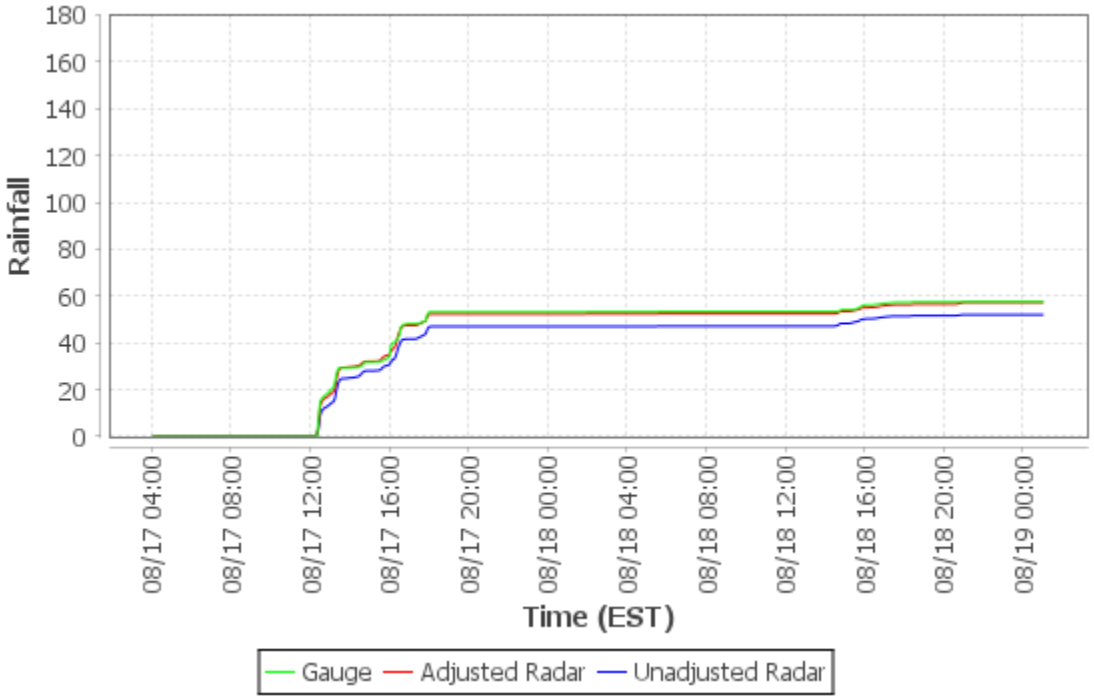
Cumulative Distribution Plot - Finch Yard (TOR_RG-020)



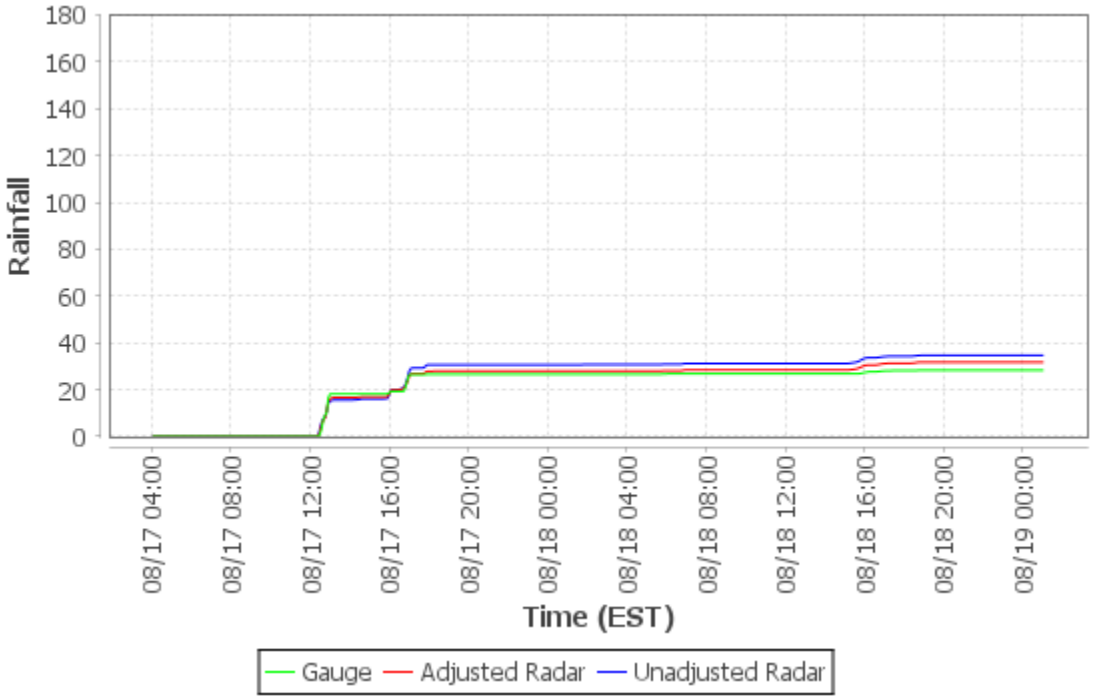
Cumulative Distribution Plot - Emery Yard (TOR_RG-021)



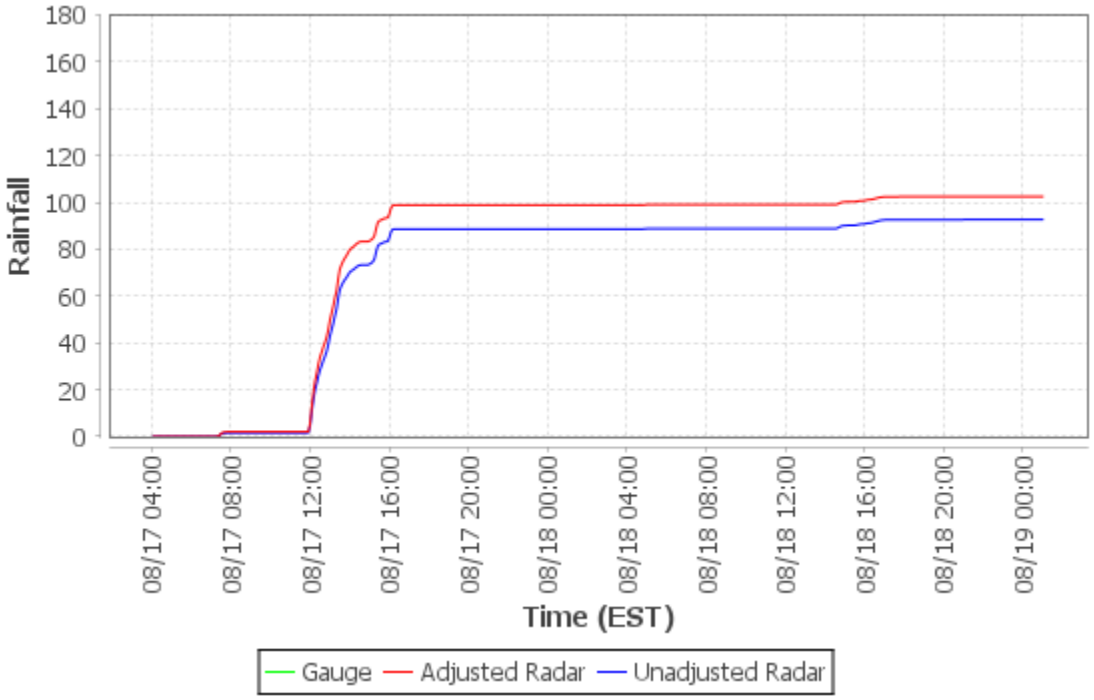
Cumulative Distribution Plot - Fire Station 116 (TOR_RG-022)



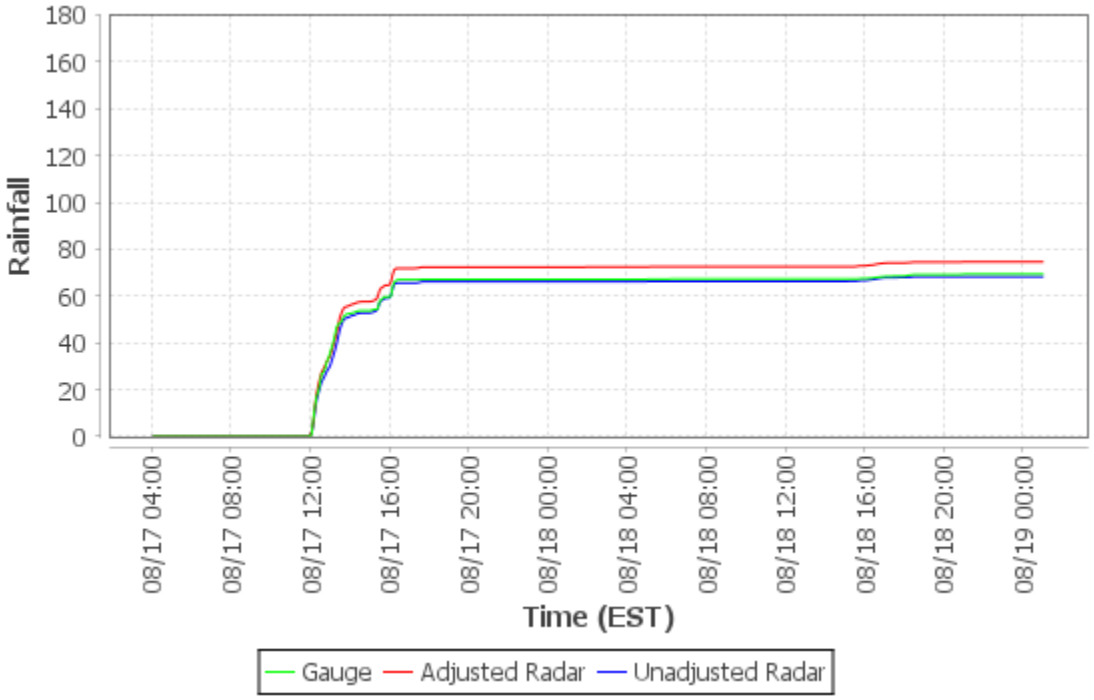
Cumulative Distribution Plot - Bermondsey Yard (TOR_RG-023)



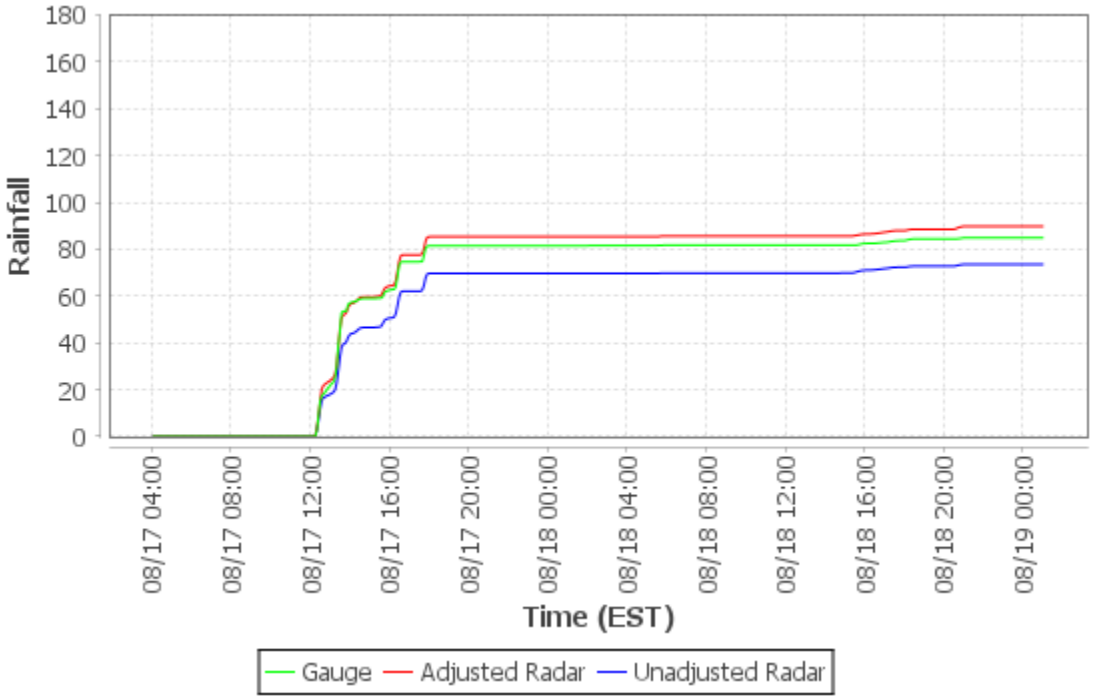
Cumulative Distribution Plot - Wilson (TOR_RG-024)



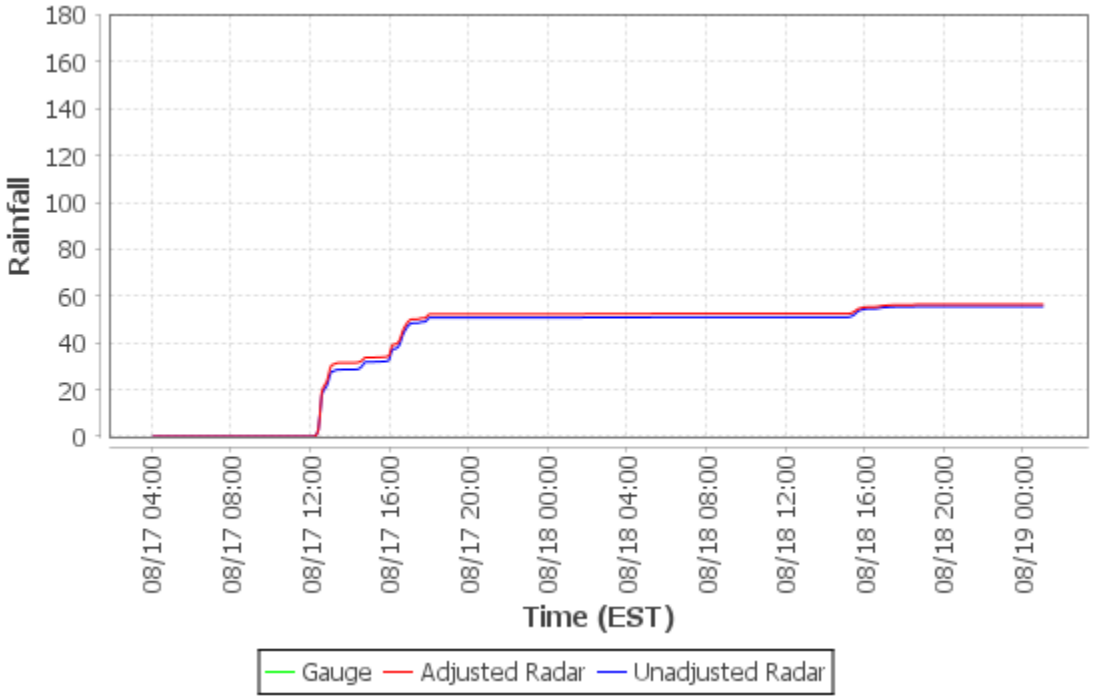
Cumulative Distribution Plot - Ancaster (TOR_RG-025)



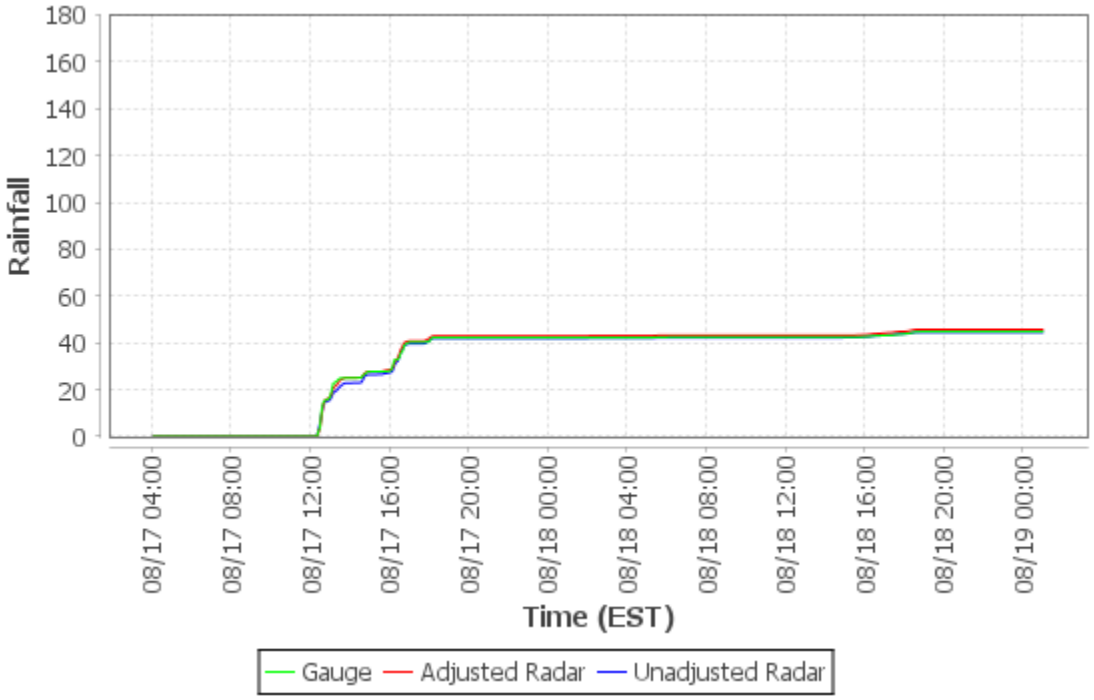
Cumulative Distribution Plot - Cummer (TOR_RG-028)



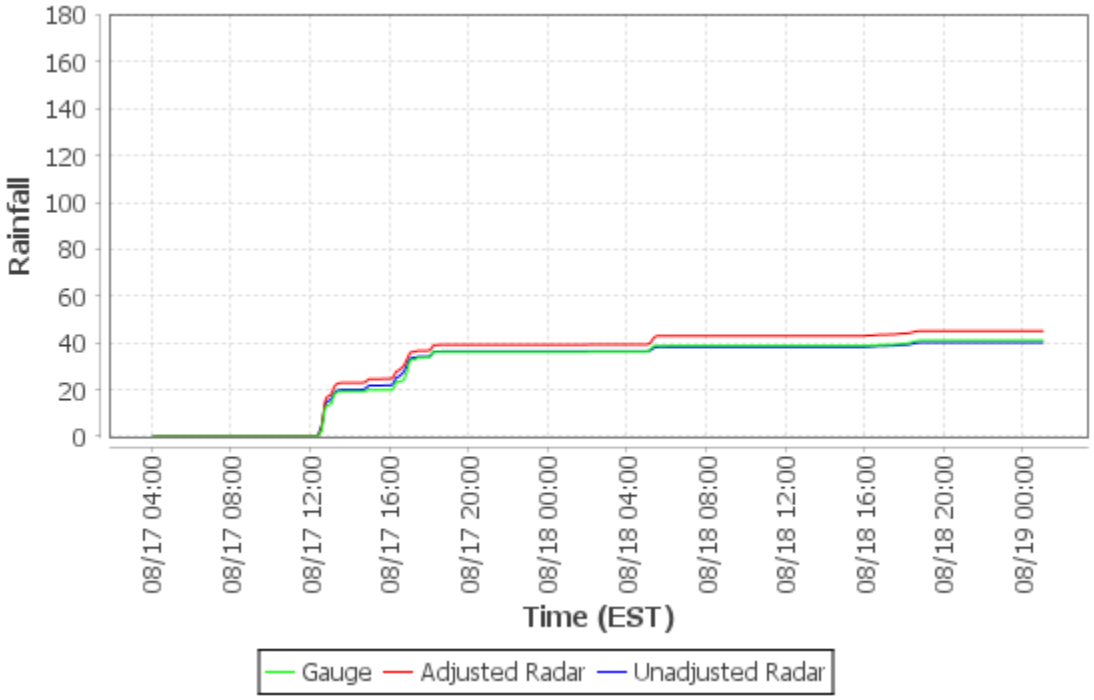
Cumulative Distribution Plot - Brookbanks (TOR_RG-030)



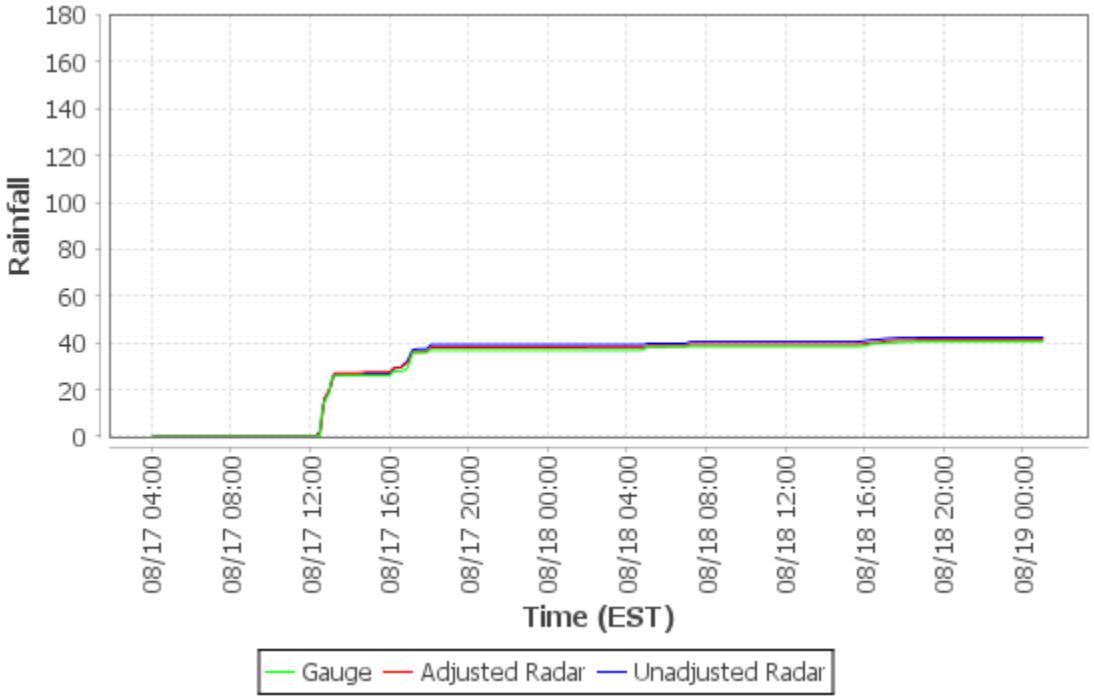
Cumulative Distribution Plot - L'Amoreaux (TOR_RG-031)



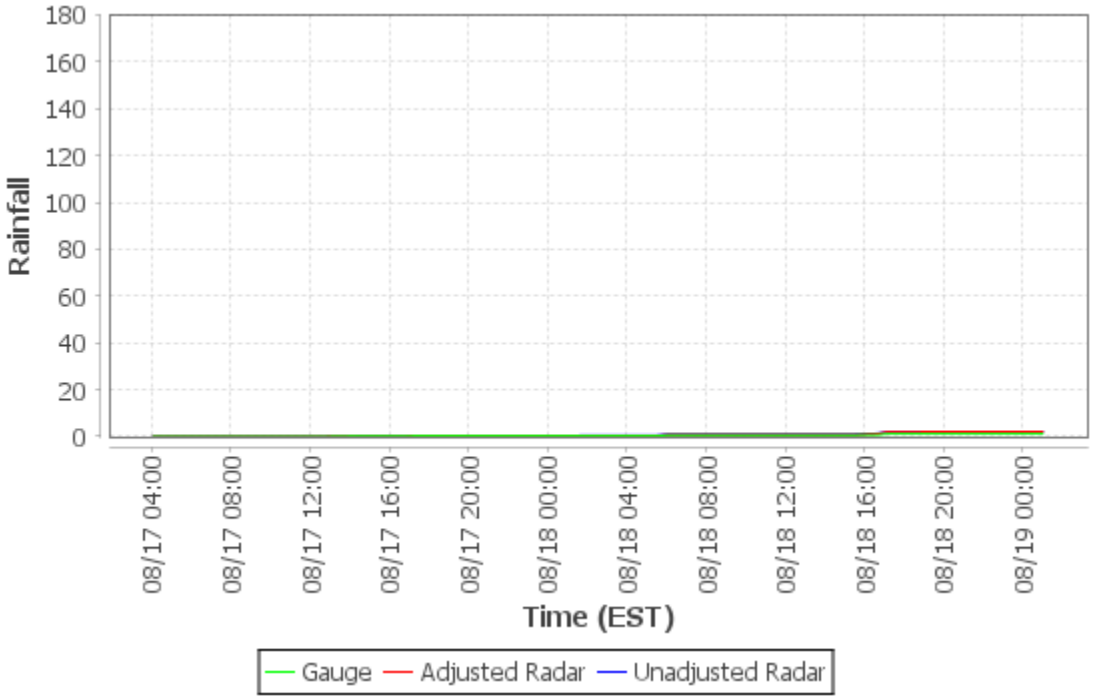
Cumulative Distribution Plot - Nashdene Yard (TOR_RG-033)



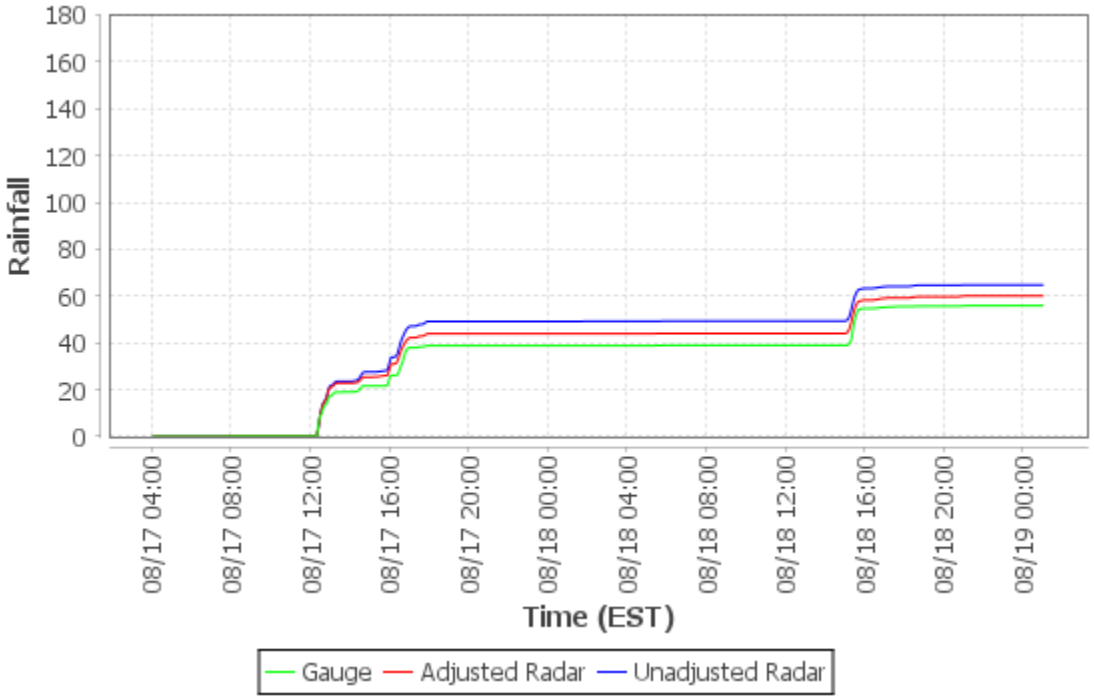
Cumulative Distribution Plot - Ellesmere Yard (TOR_RG-034)



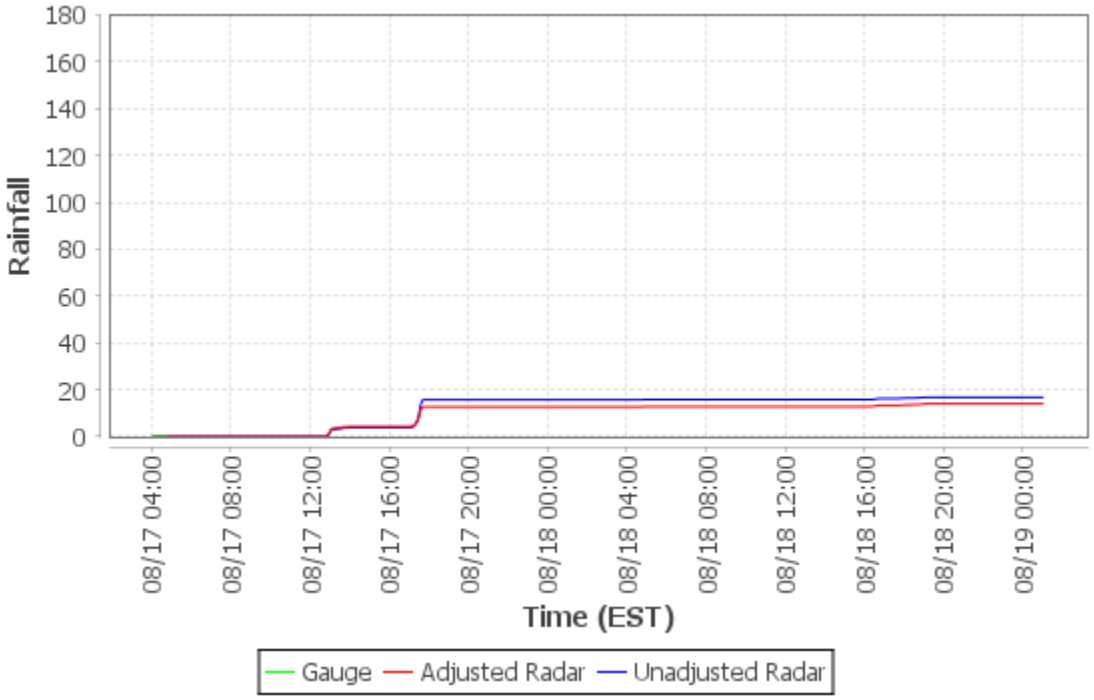
Cumulative Distribution Plot - Ashbridges Bay (TOR_RG-036)



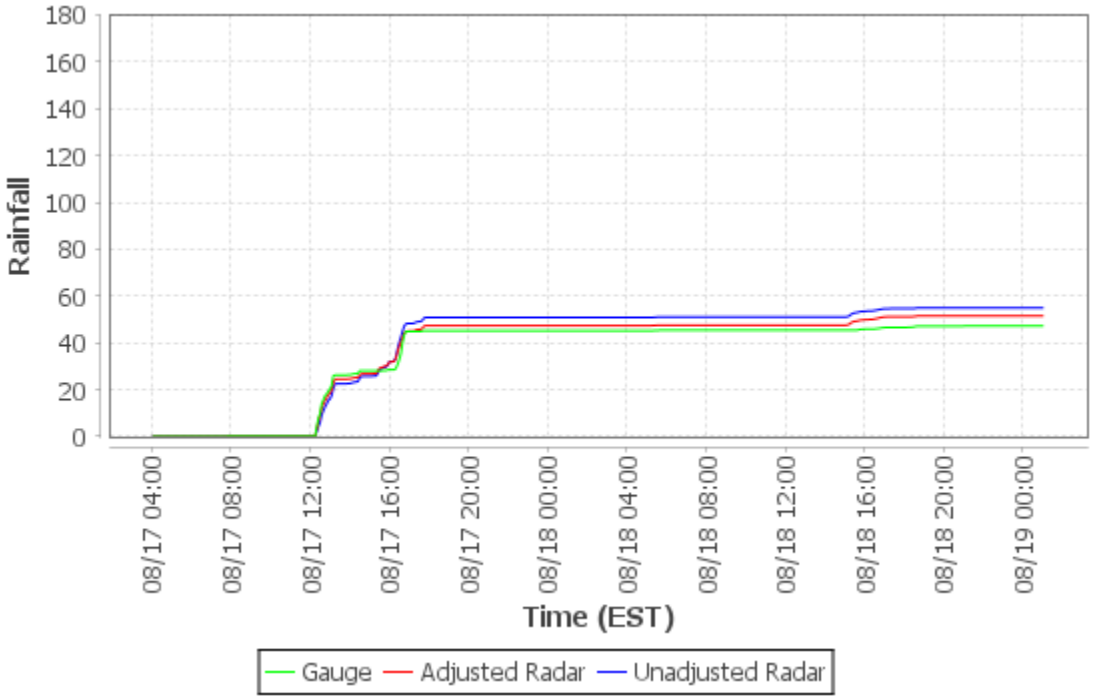
Cumulative Distribution Plot - Edwards Gardens (TOR_RG-037)



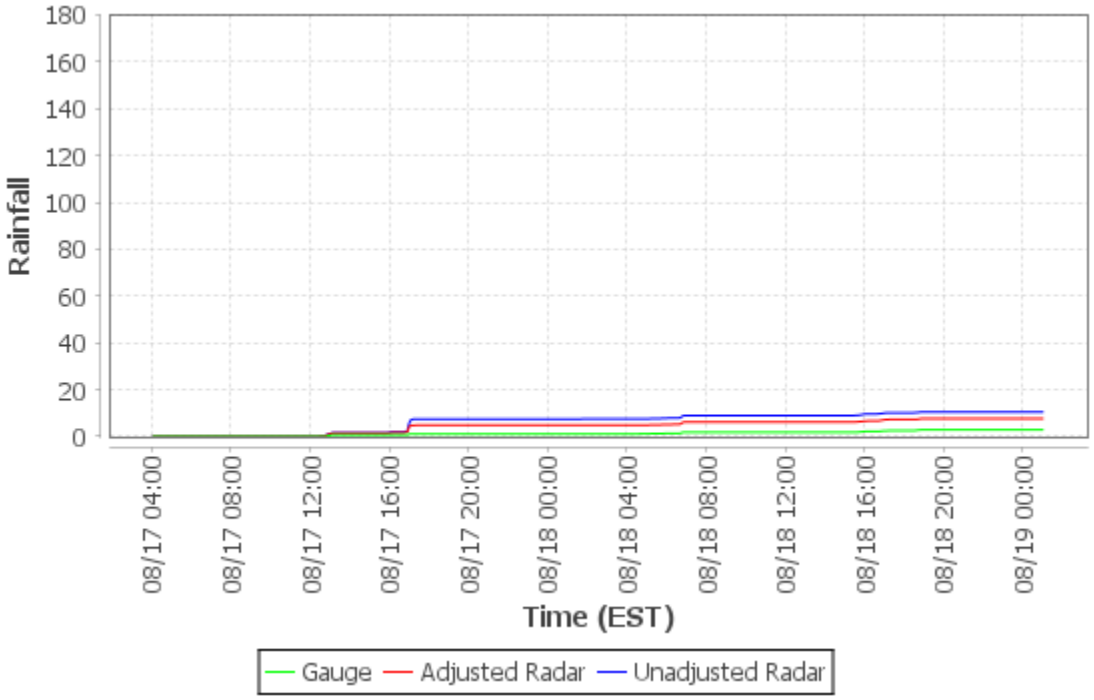
Cumulative Distribution Plot - Fire Station 215 (TOR_RG-038)



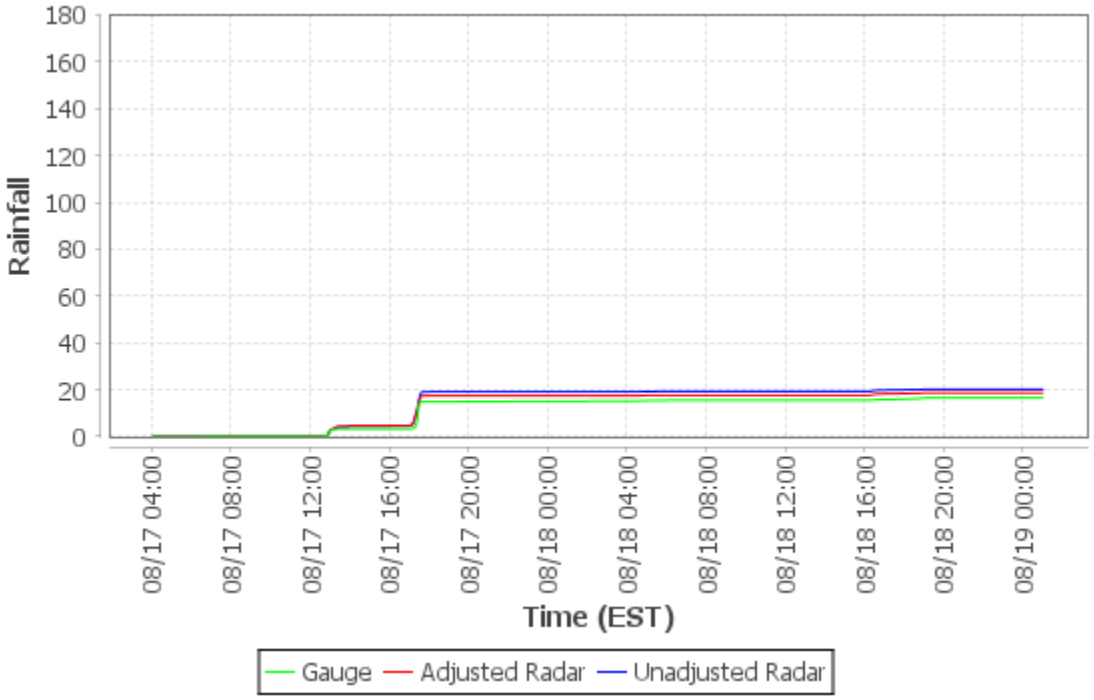
Cumulative Distribution Plot - North Toronto Memorial (TOR_RG-039)



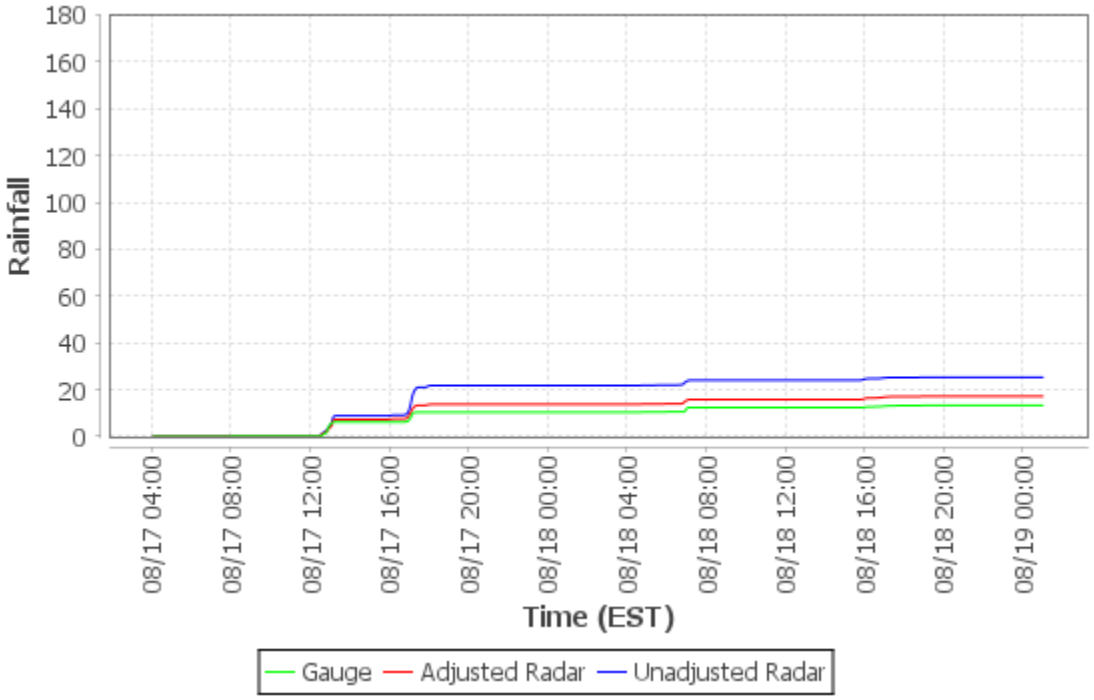
Cumulative Distribution Plot - Denton (TOR_RG-040)



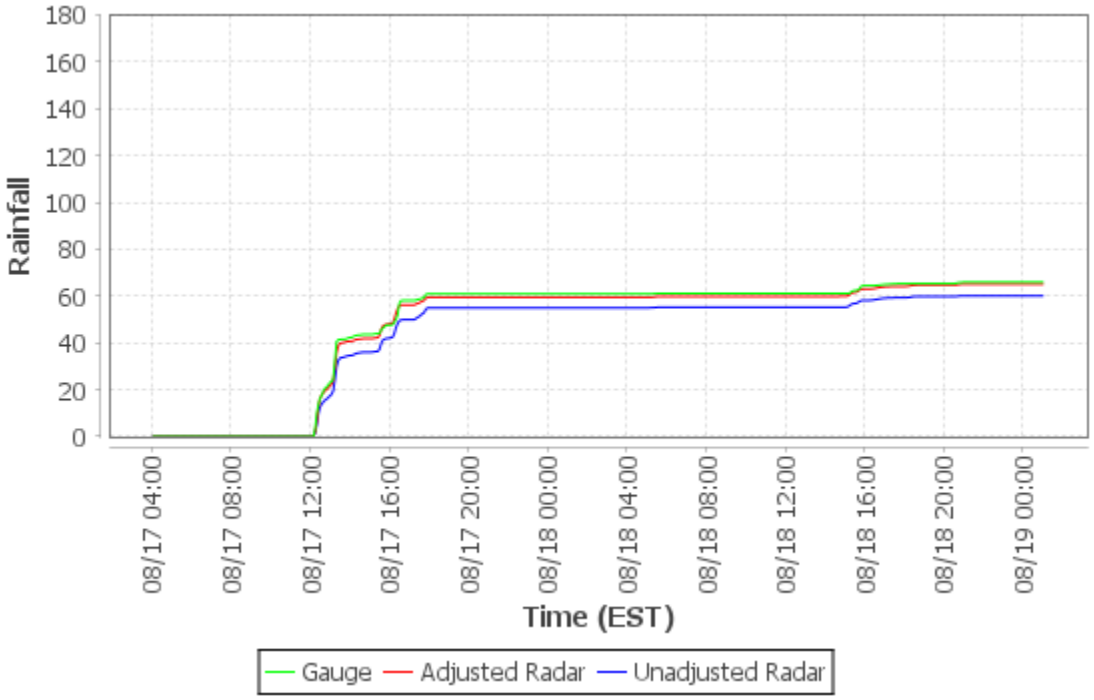
Cumulative Distribution Plot - Heron Park (TOR_RG-041)



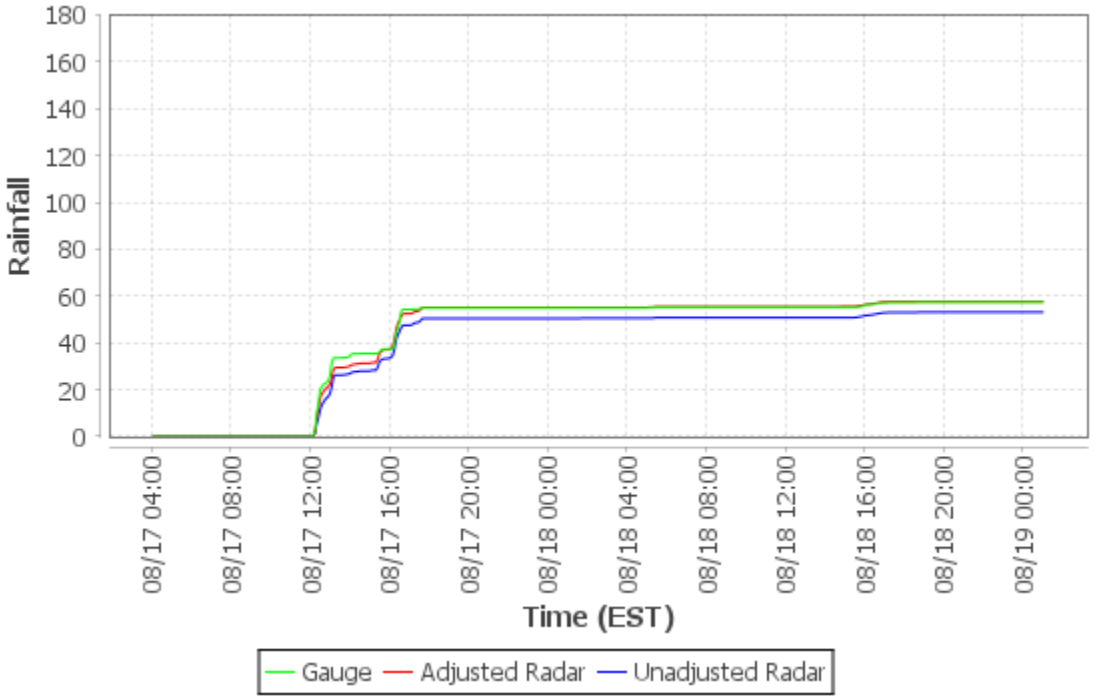
Cumulative Distribution Plot - Don Montgomery (TOR_RG-042)



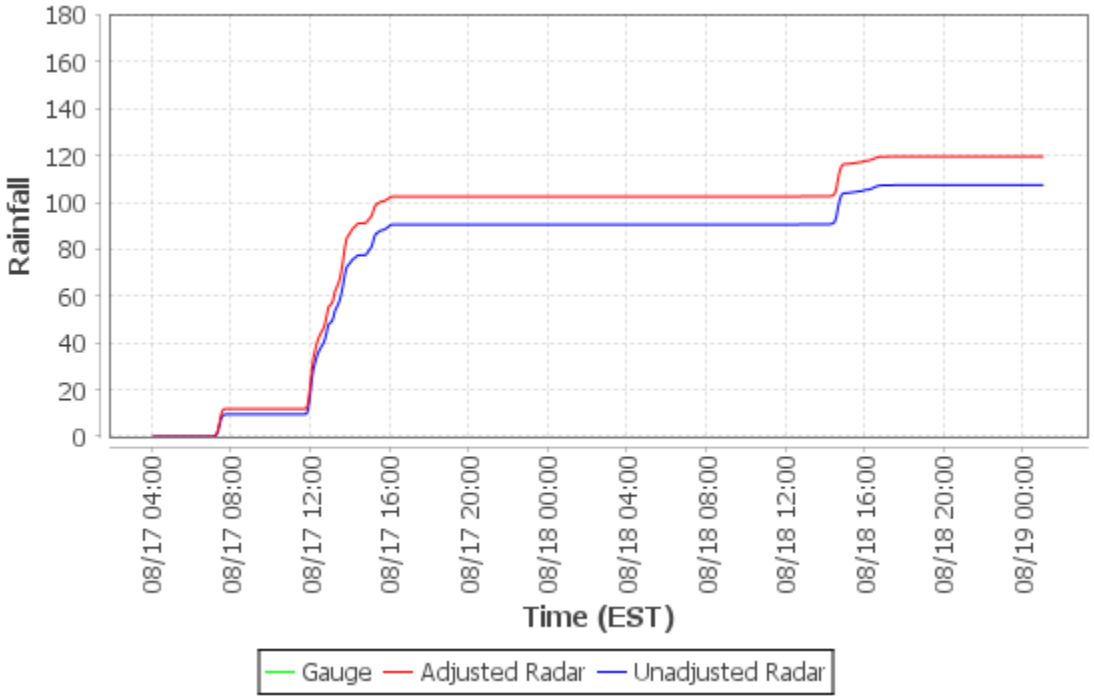
Cumulative Distribution Plot - Fire Station 121 (TOR_RG-044)



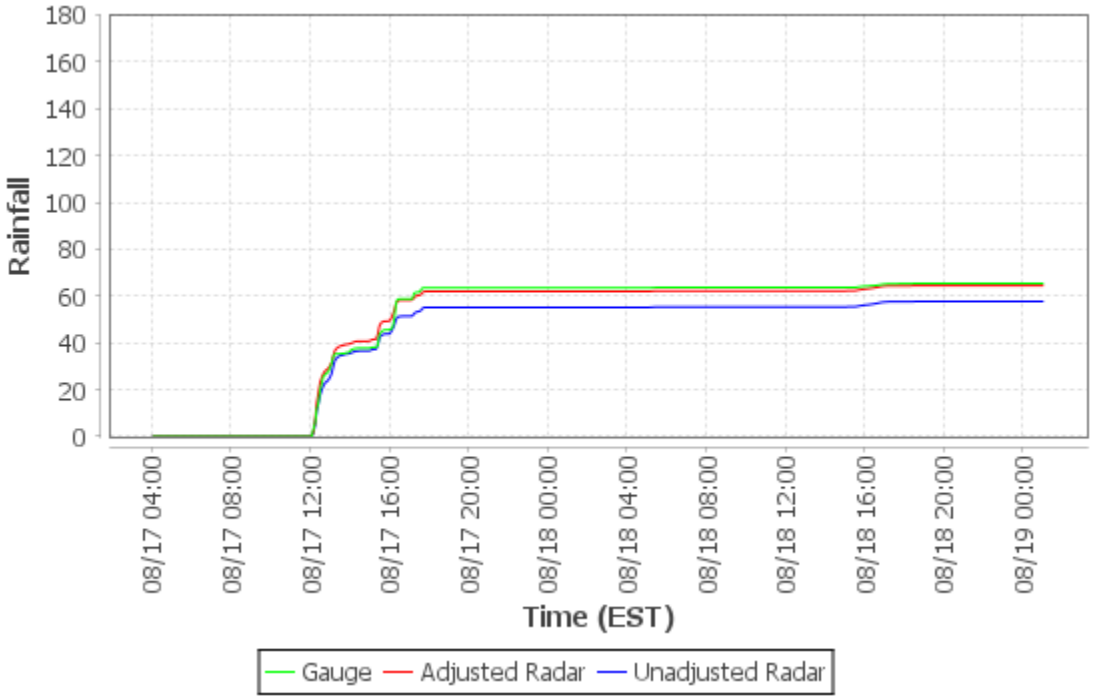
Cumulative Distribution Plot - Fairbank Memorial (TOR_RG-045)



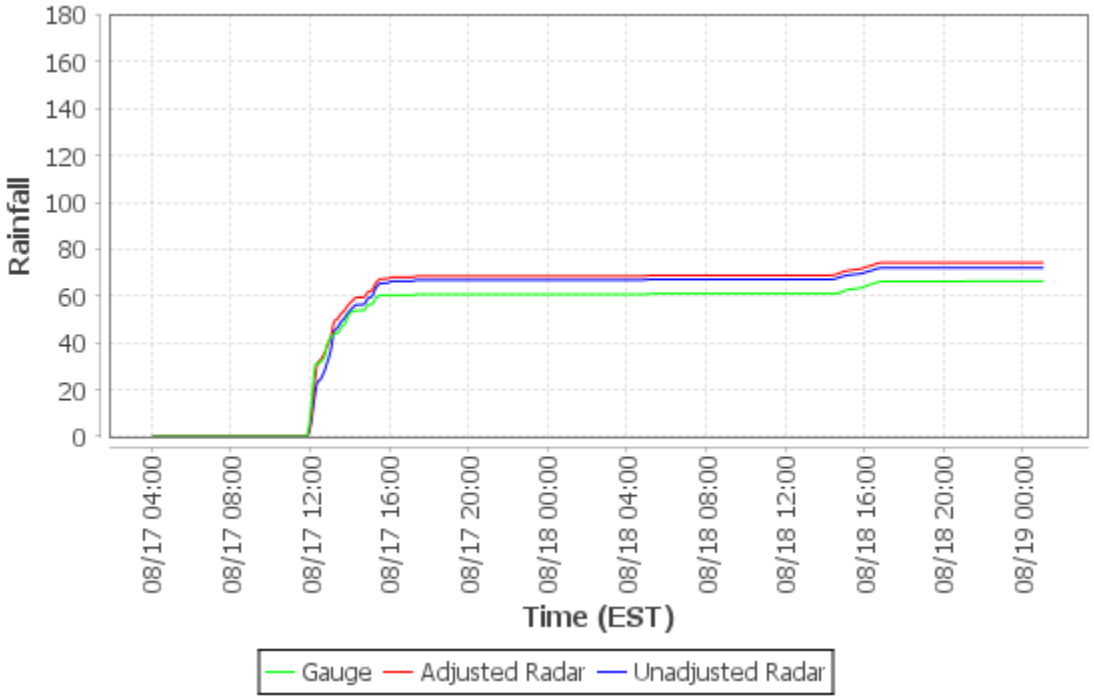
Cumulative Distribution Plot - Fire Station 415 (TOR_RG-046)



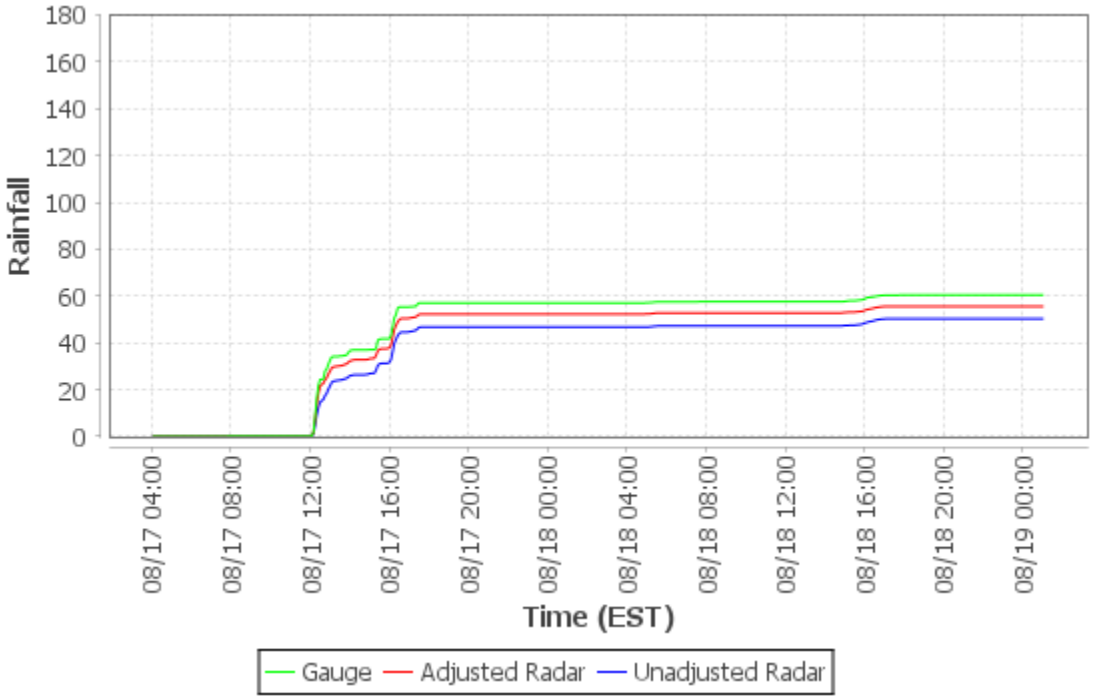
Cumulative Distribution Plot - Glen Long (TOR_RG-047)



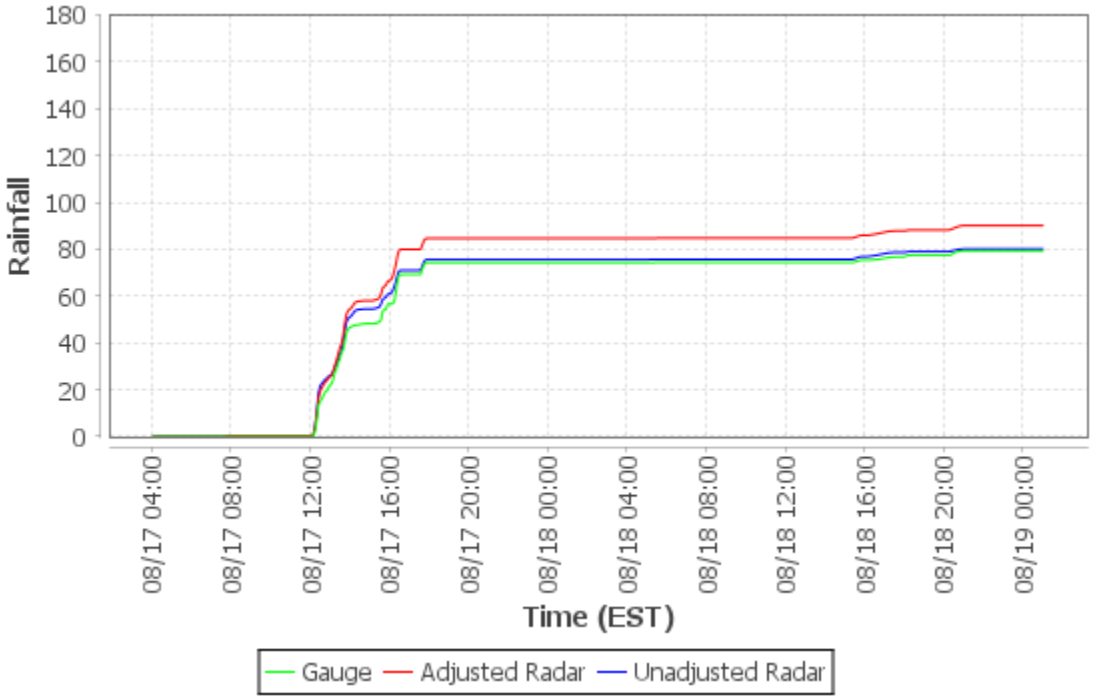
Cumulative Distribution Plot - Etobicoke (TOR_RG-048)



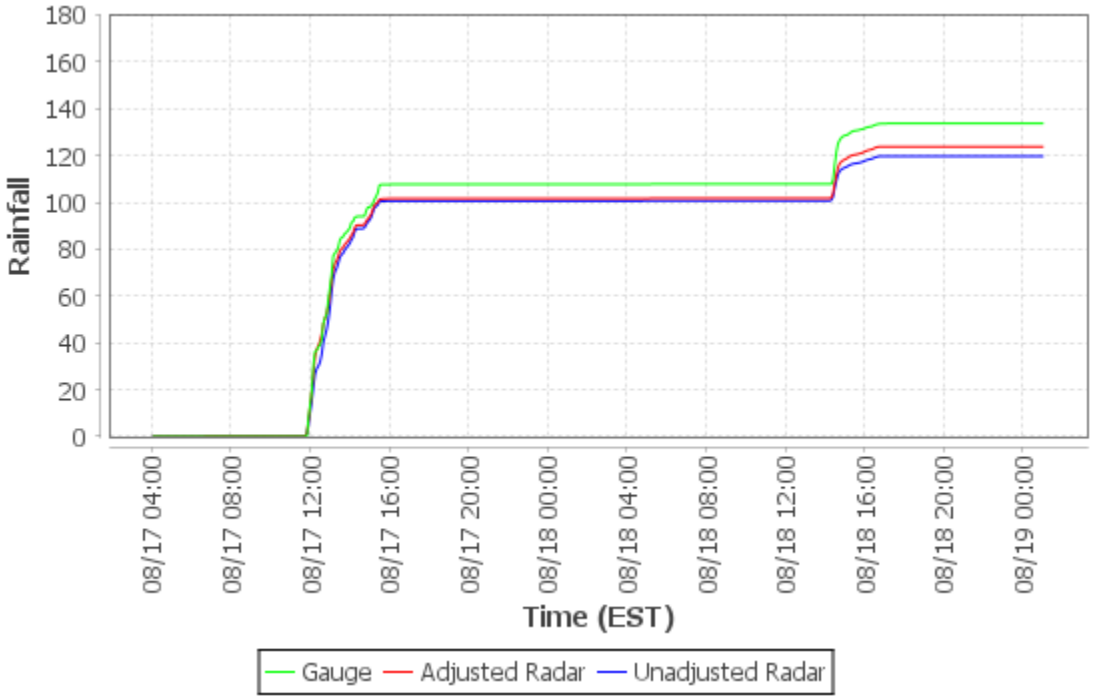
Cumulative Distribution Plot - Fire Station 422 (TOR_RG-049)



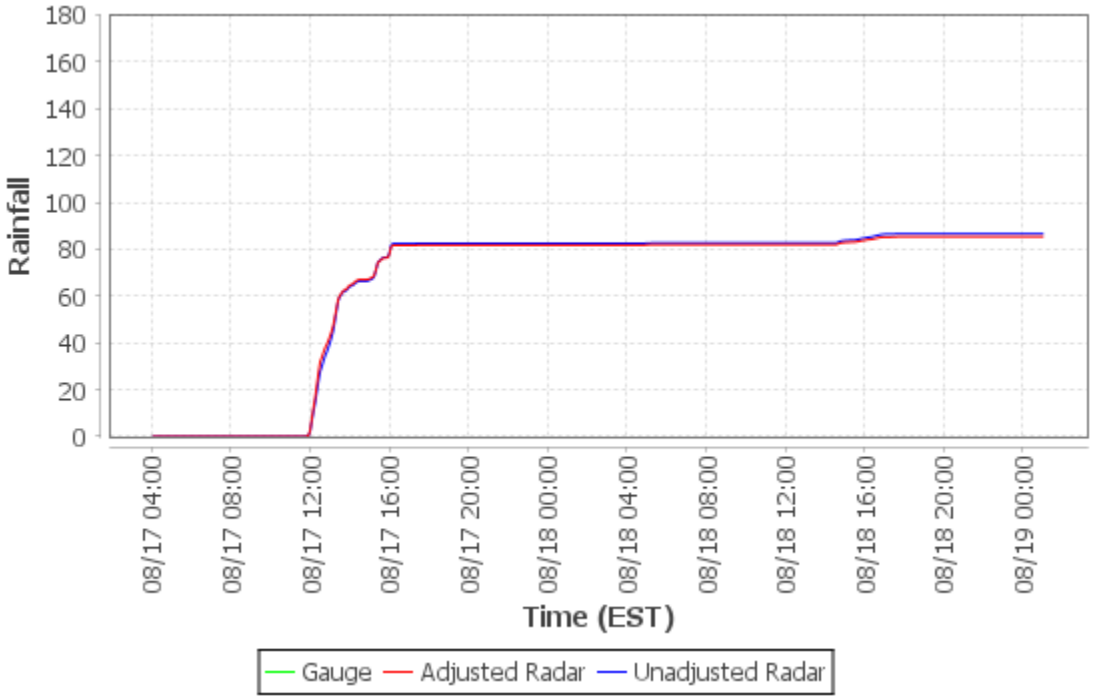
Cumulative Distribution Plot - Goulding (TOR_RG-051)



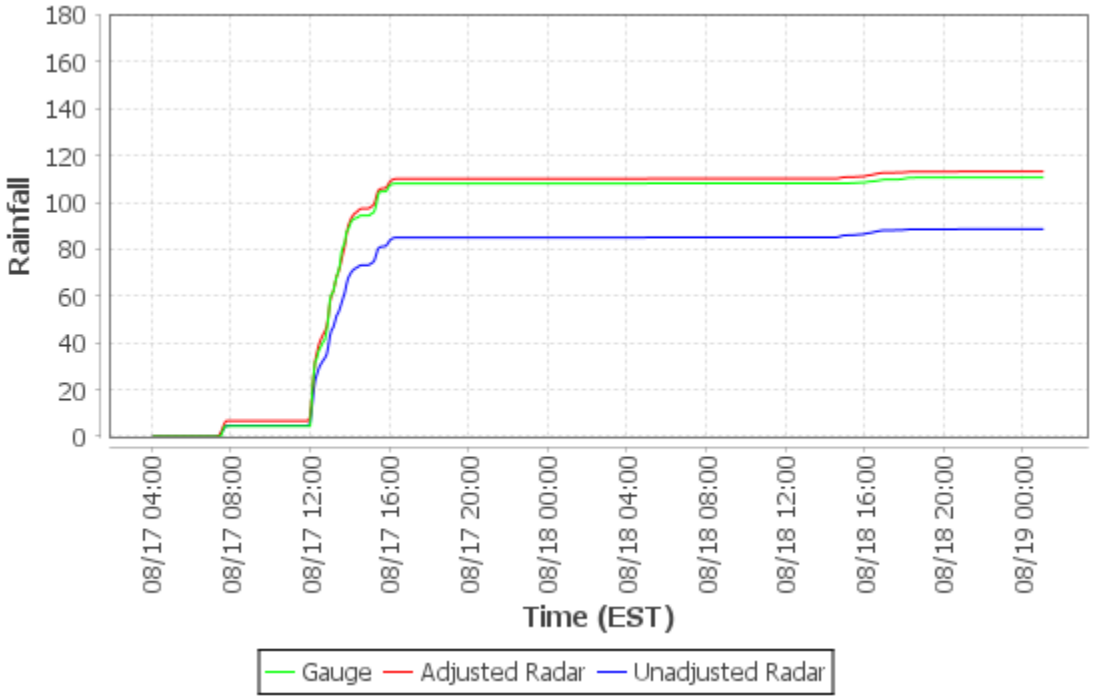
Cumulative Distribution Plot - Etobicoke Olympium (TOR_RG-052)



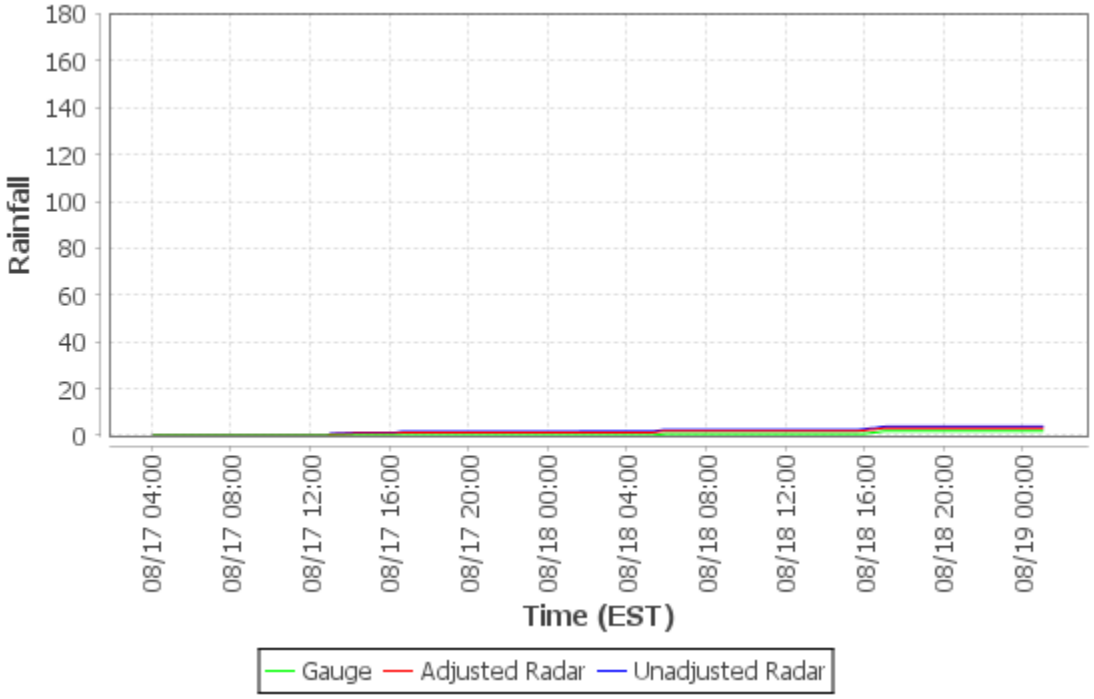
Cumulative Distribution Plot - Fire Station 442 (TOR_RG-054)



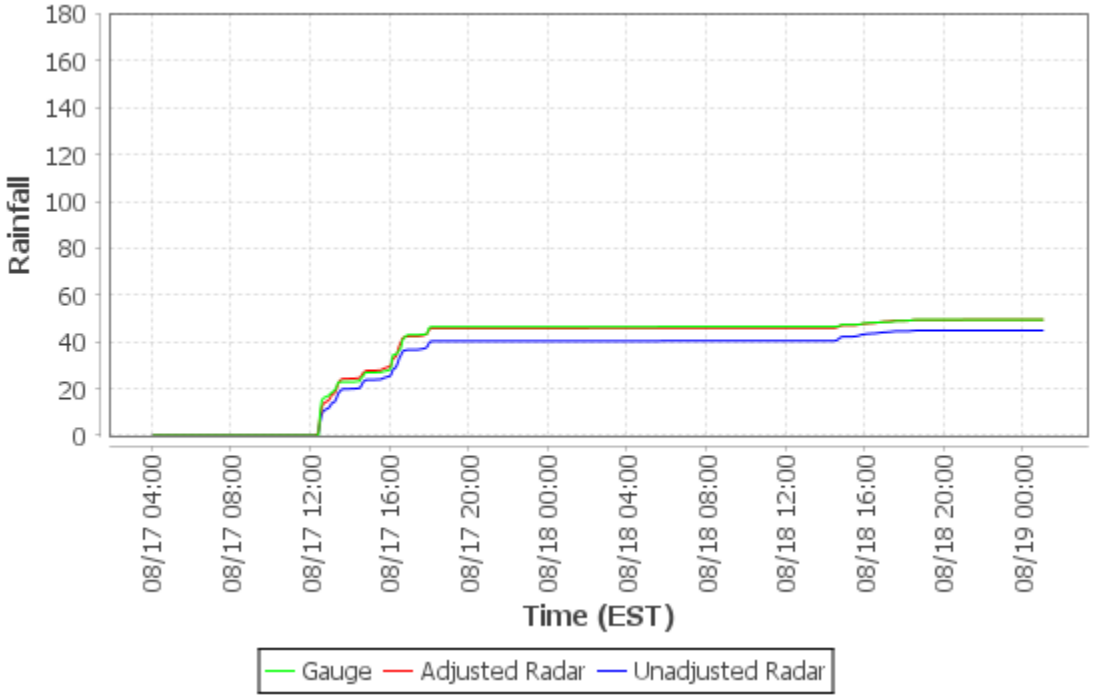
Cumulative Distribution Plot - Fire Station 142 (TOR_RG-056)



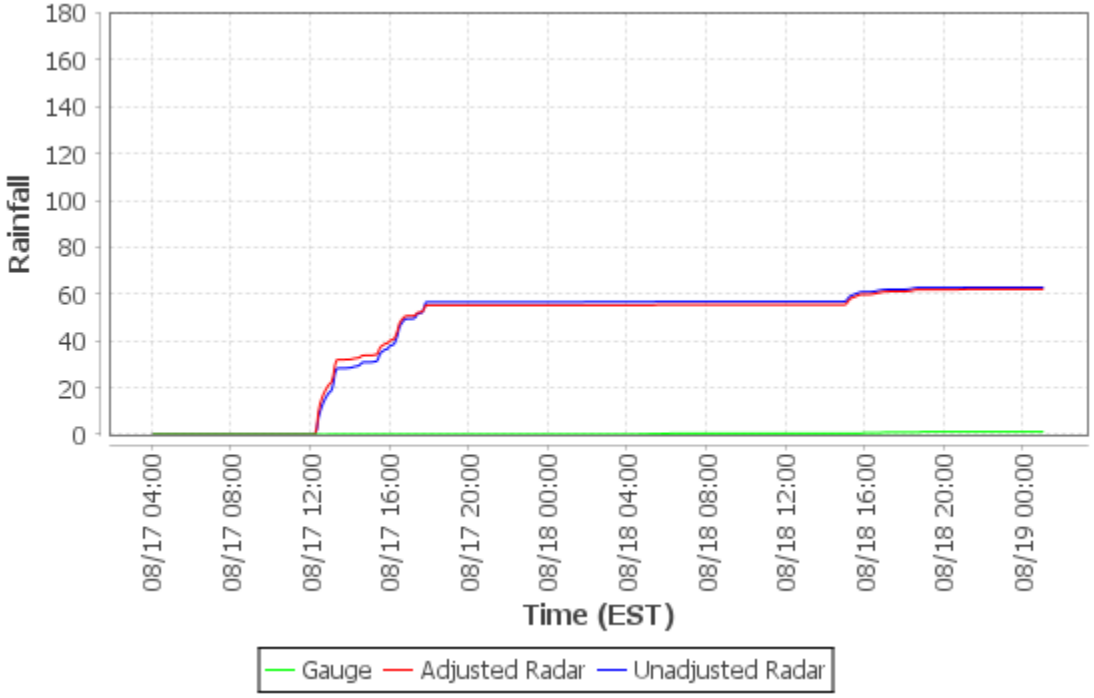
Cumulative Distribution Plot - WATERFRONT NEIGHBOURHOOD CENTRE (TOR_RG-057)



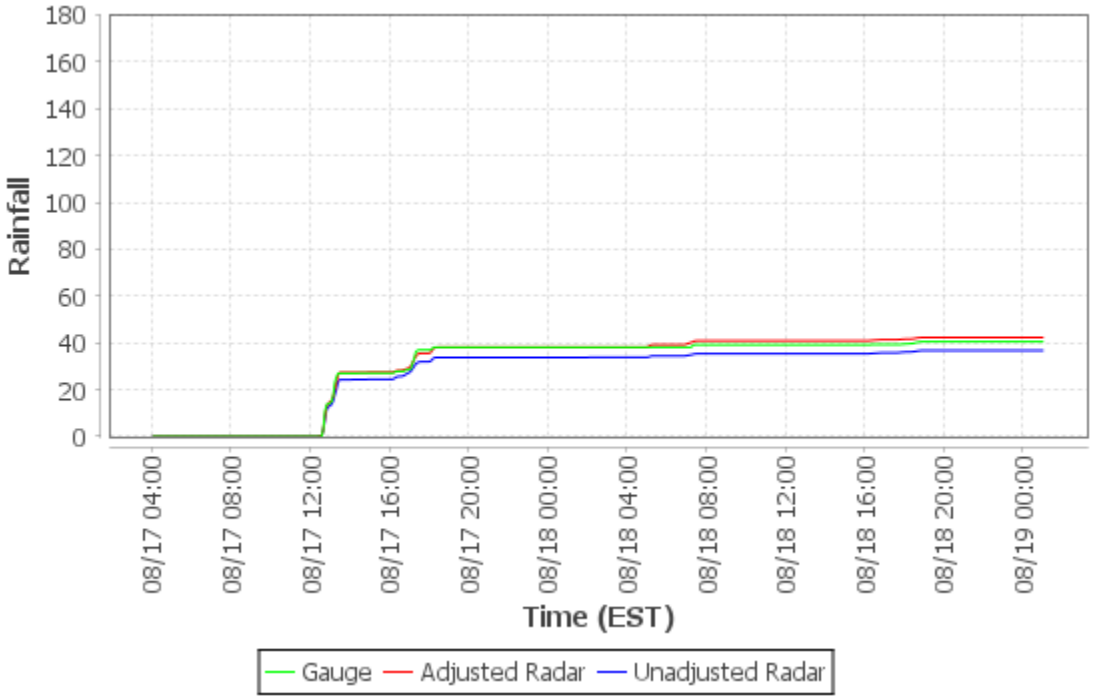
Cumulative Distribution Plot - PLEASANT VIEW COMMUNITY CENTRE (TOR_RG-058)



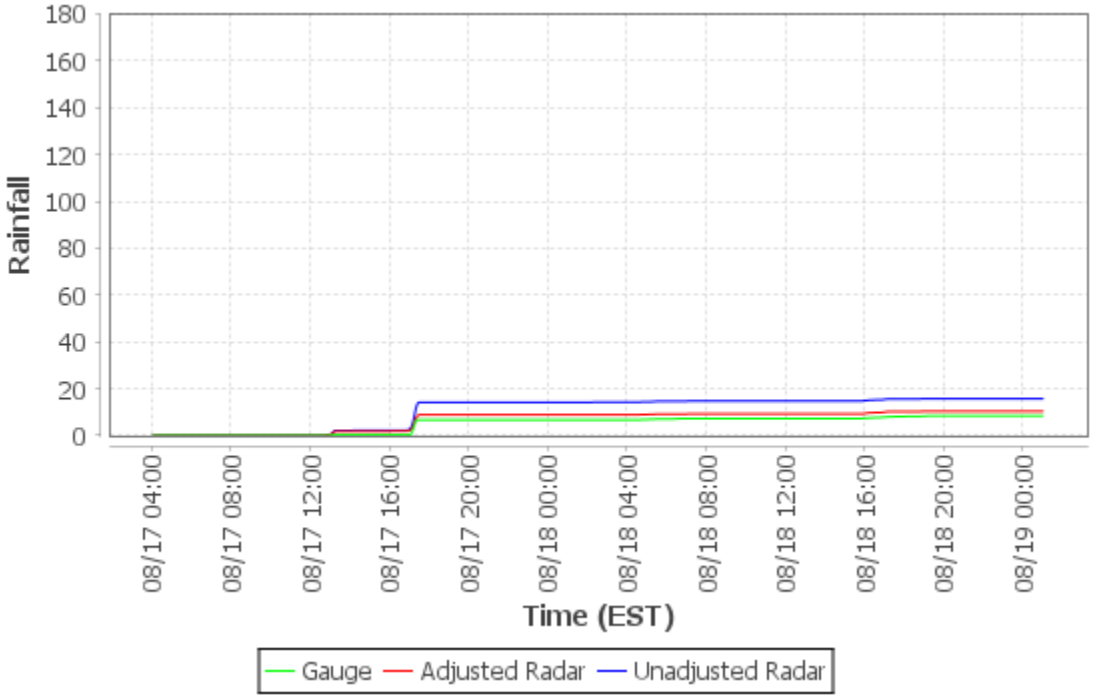
Cumulative Distribution Plot - BEACHES RECREATION CENTRE (TOR_RG-059)



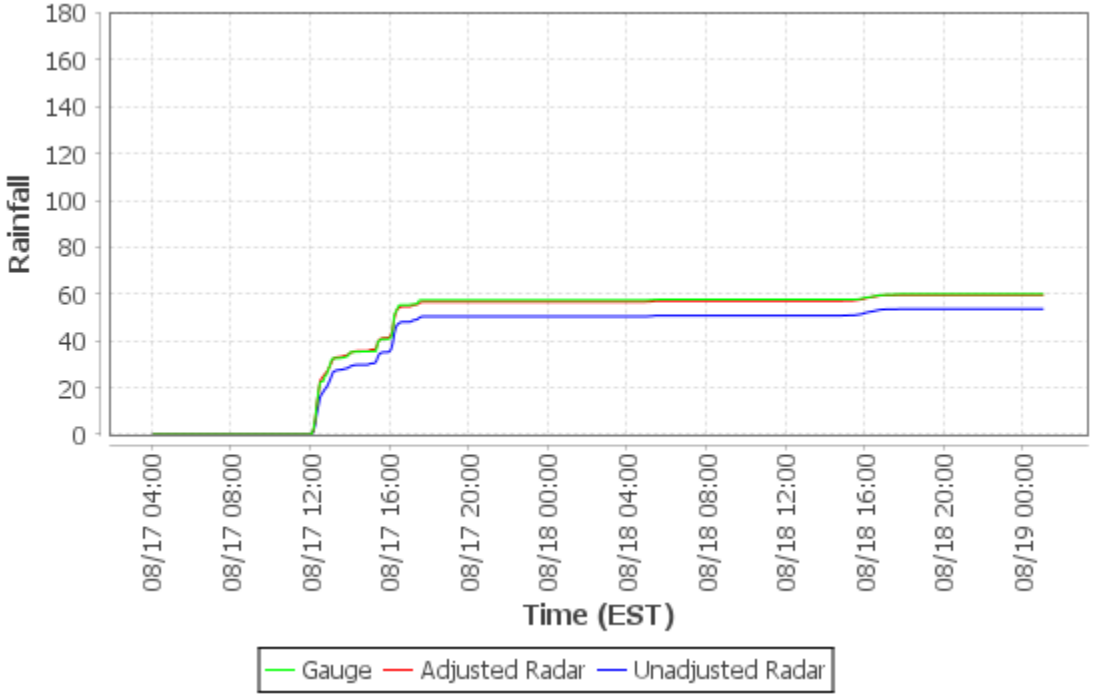
Cumulative Distribution Plot - MALVERN RECREATION CENTRE (TOR_RG-060)



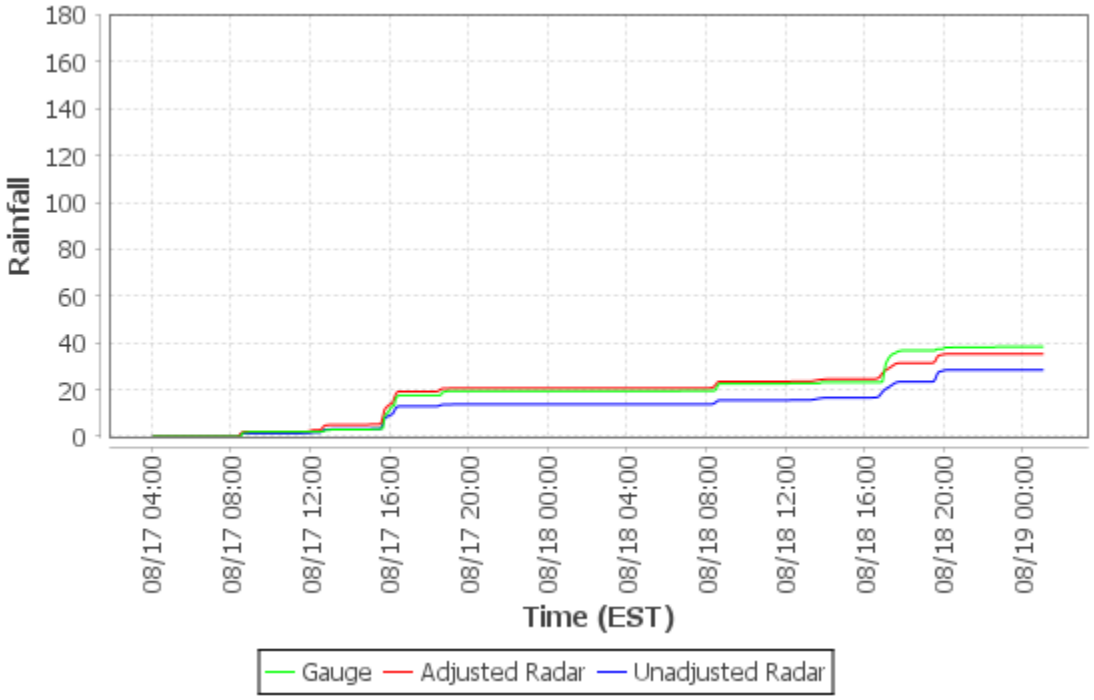
Cumulative Distribution Plot - SCARBOROUGH VILLAGE RECREATION CENTRE (TOR_RG-061)



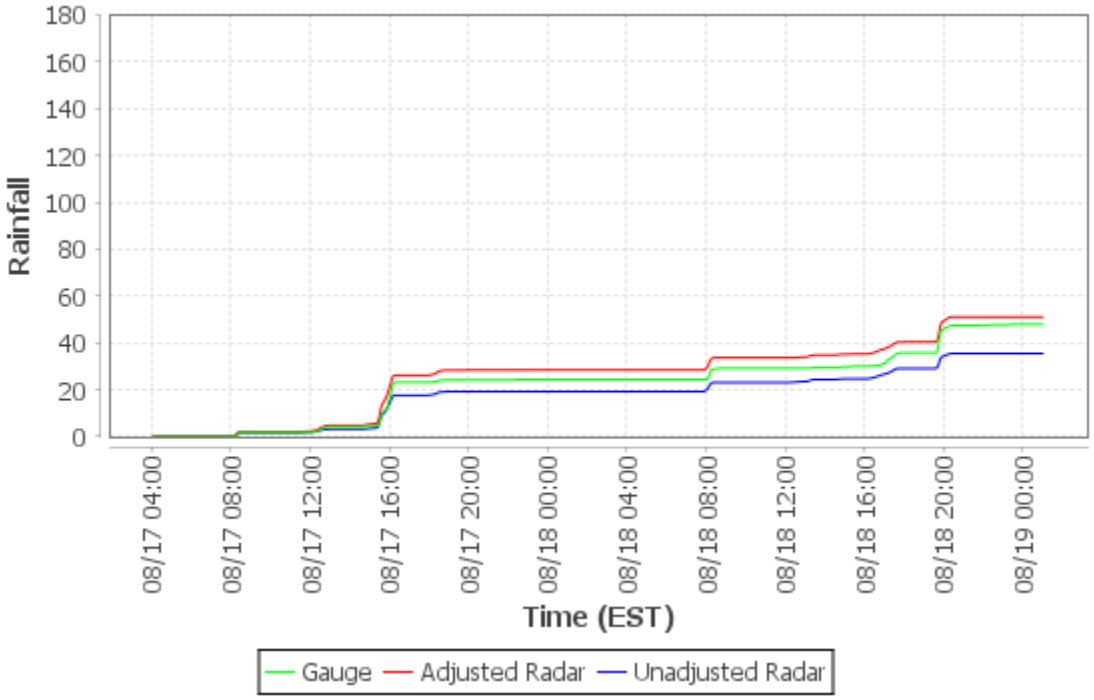
Cumulative Distribution Plot - Harwood Hall (TOR_RG-062)



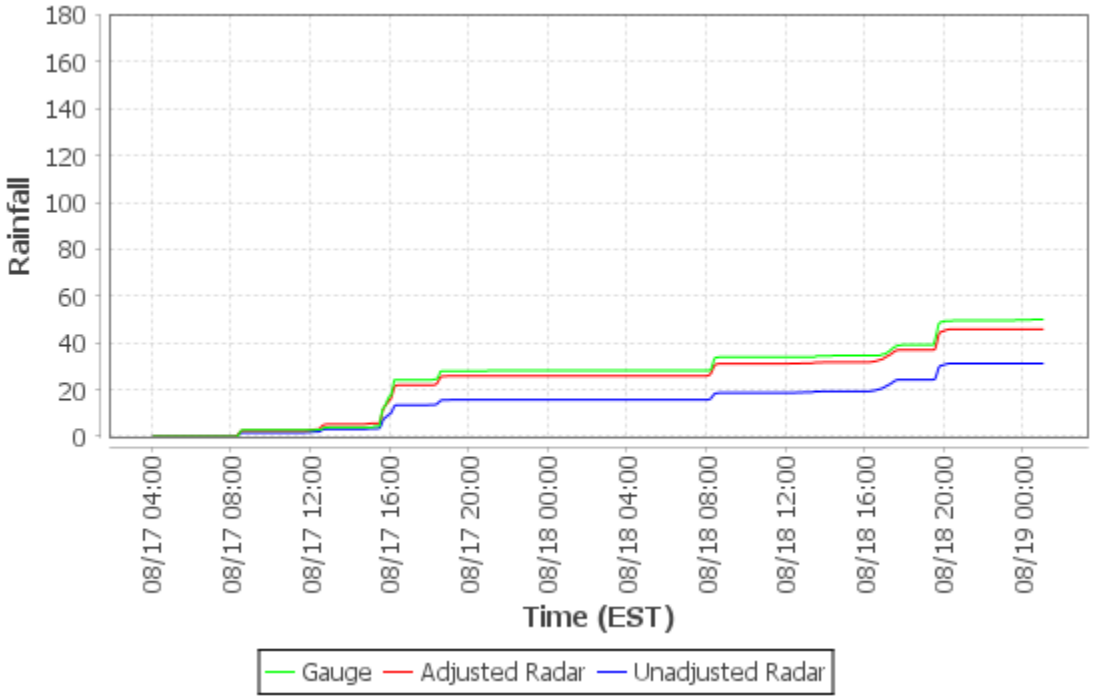
Cumulative Distribution Plot - 242 St John's Sideroad (R-YR-AU-01)



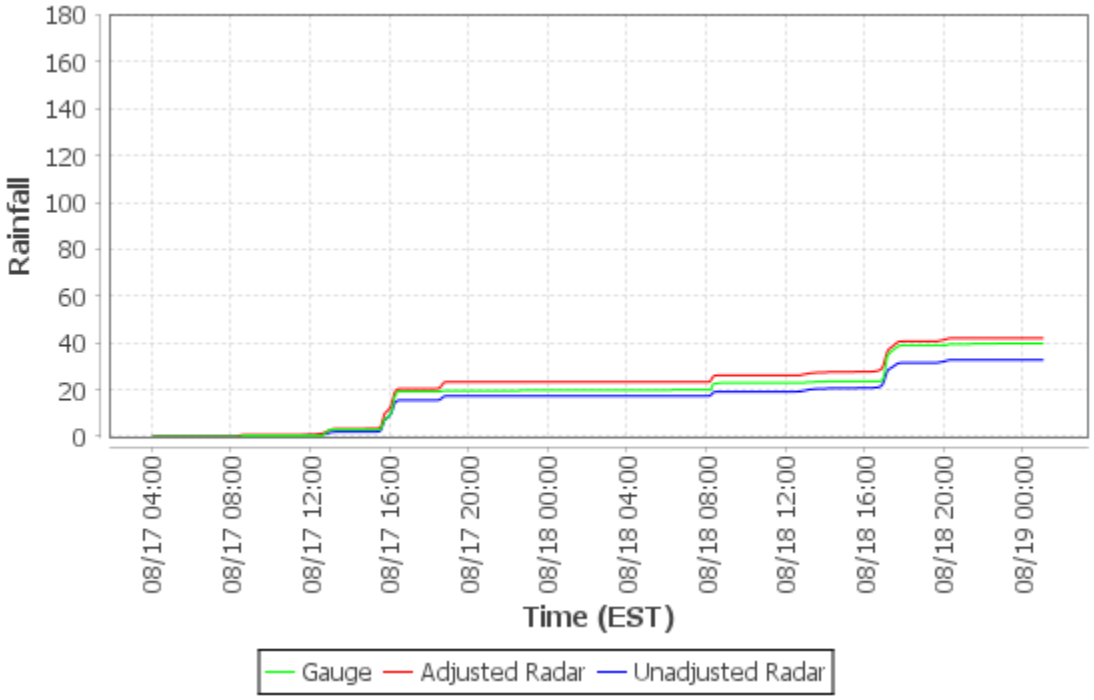
Cumulative Distribution Plot - 14019 Bathurst St. (R-YR-AU-02)



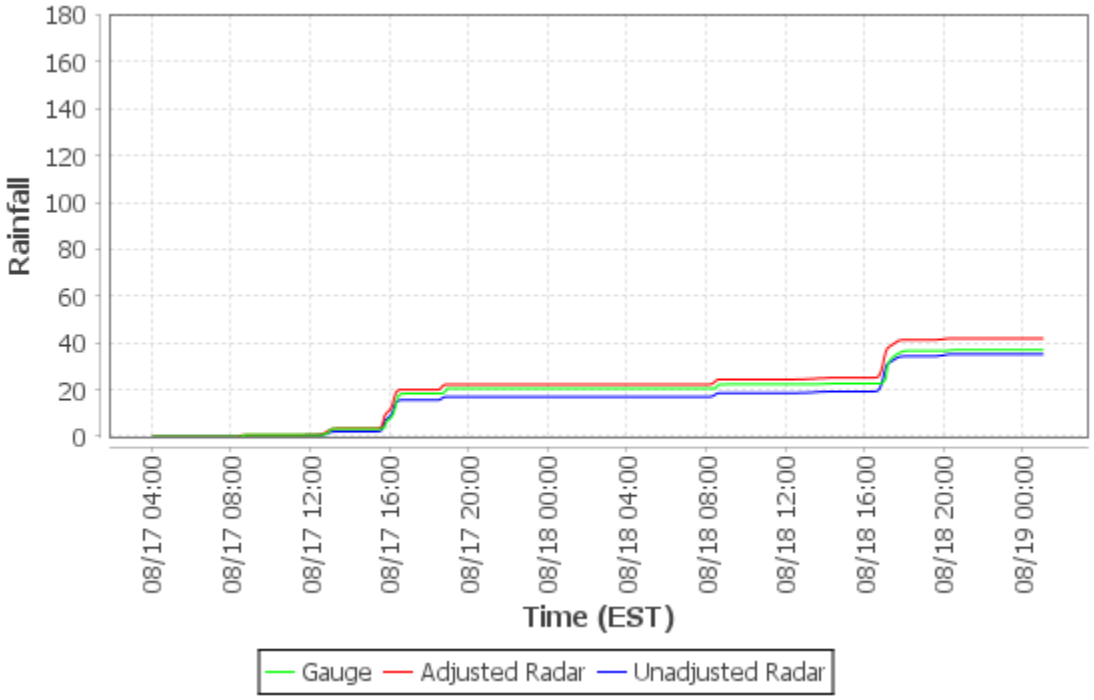
Cumulative Distribution Plot - 125 Wellington Street West (R-YR-AU-06)



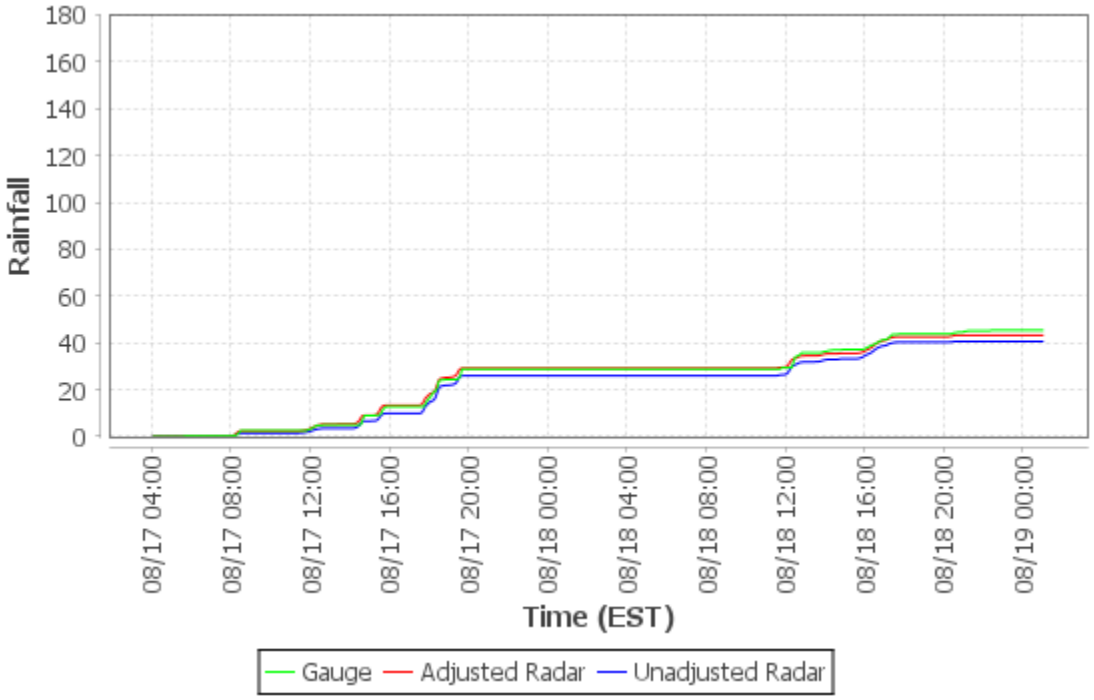
Cumulative Distribution Plot - 14875 Bayview Ave. (R-YR-AU-07)



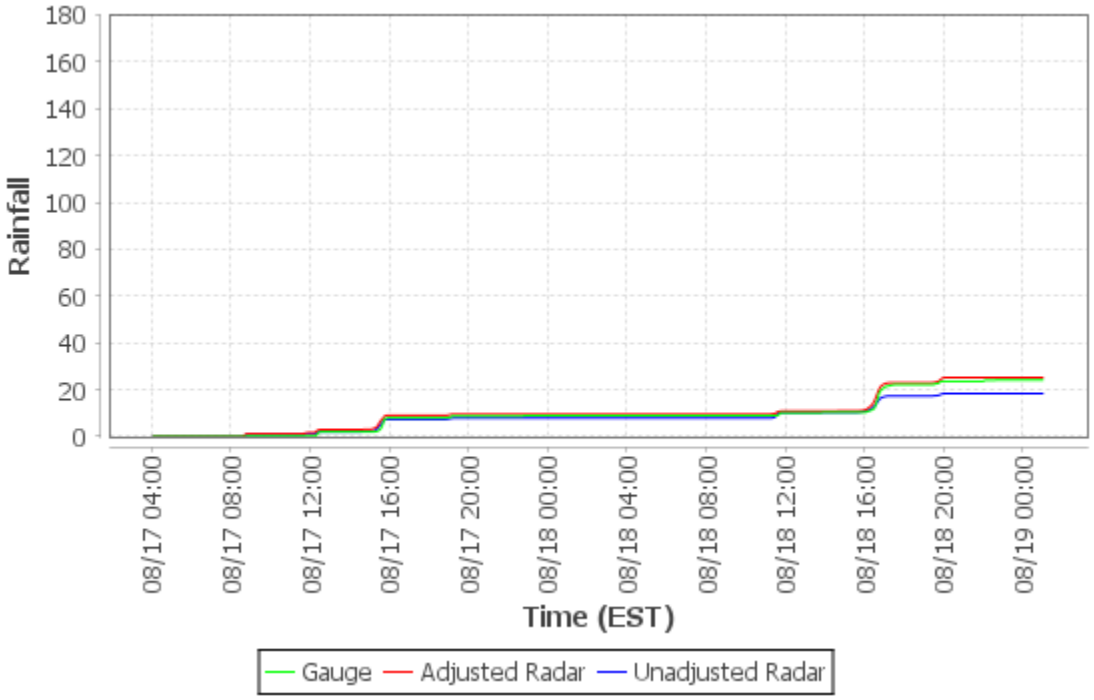
Cumulative Distribution Plot - 1400 Wellington Street East (R-YR-AU-09)



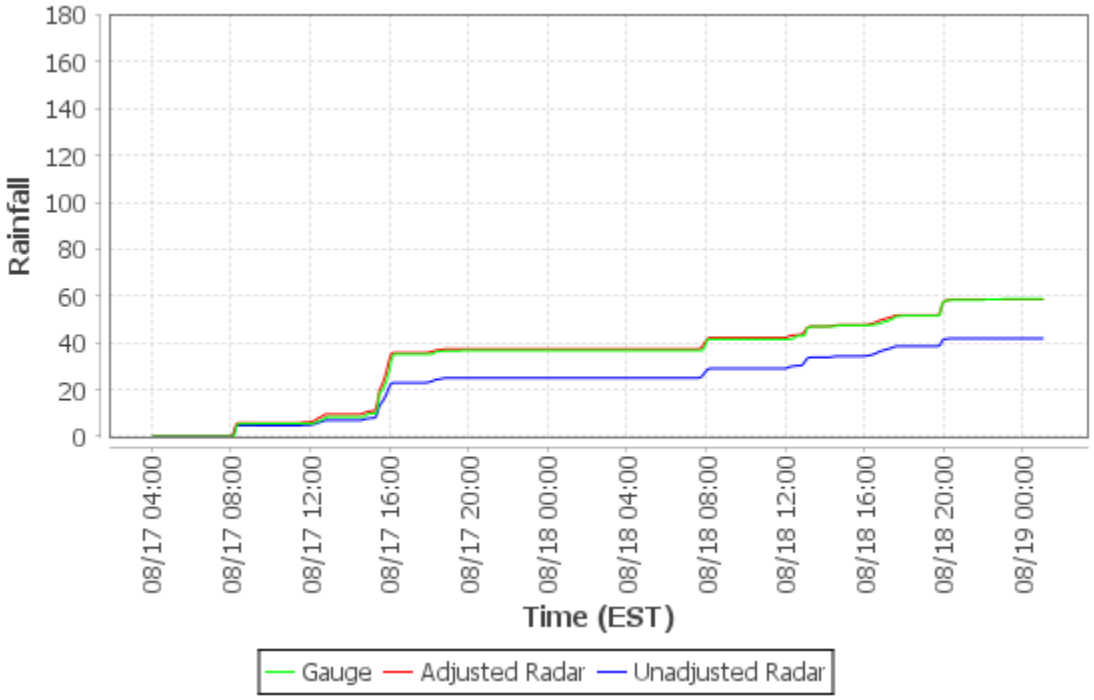
Cumulative Distribution Plot - 65 Janet Ave. (R-YR-KI-03)



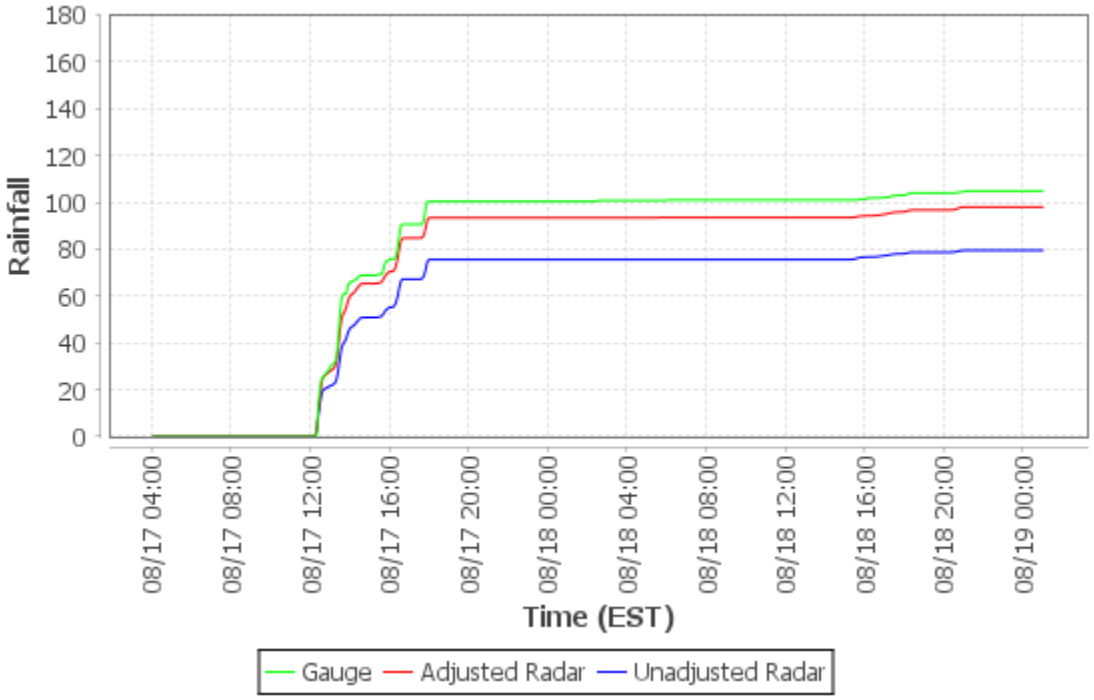
Cumulative Distribution Plot - 5 Dillane Drive (R-YR-KI-07)



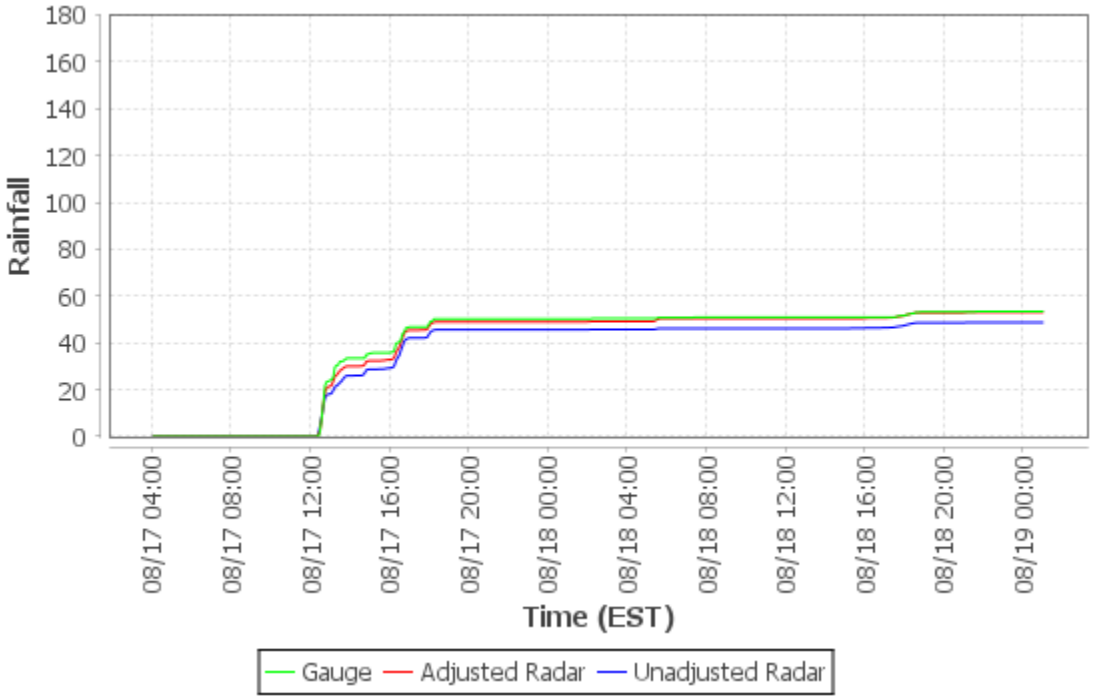
Cumulative Distribution Plot - 25 King Boulevard (R-YR-KI-08)



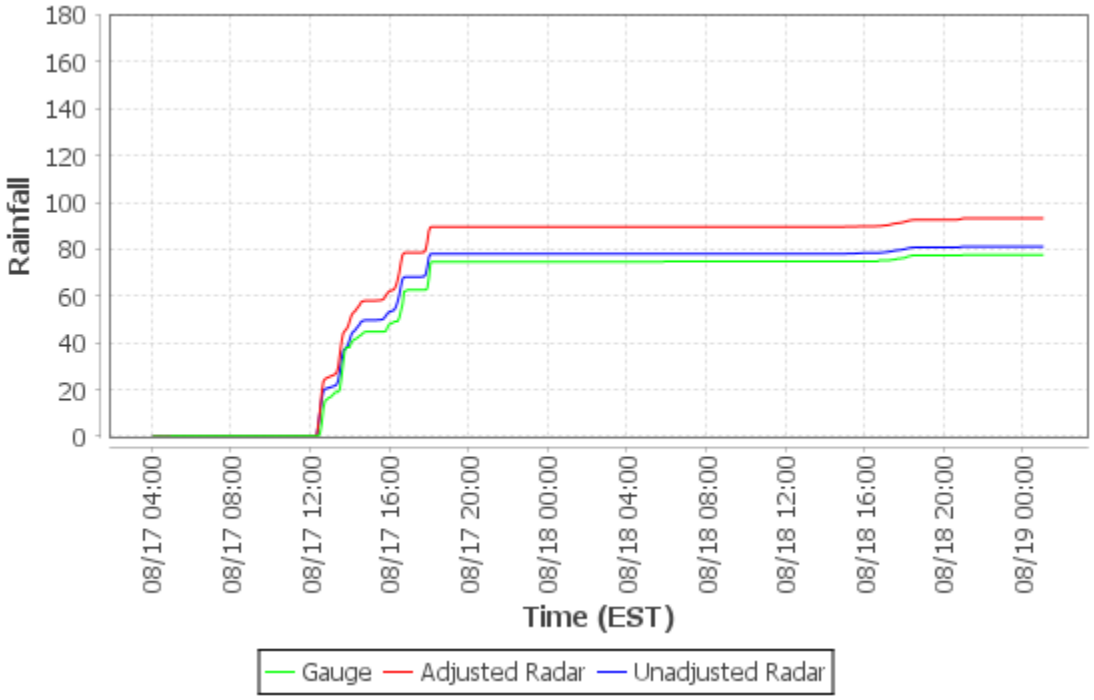
Cumulative Distribution Plot - 7021 Leslie Street (R-YR-MA-01)



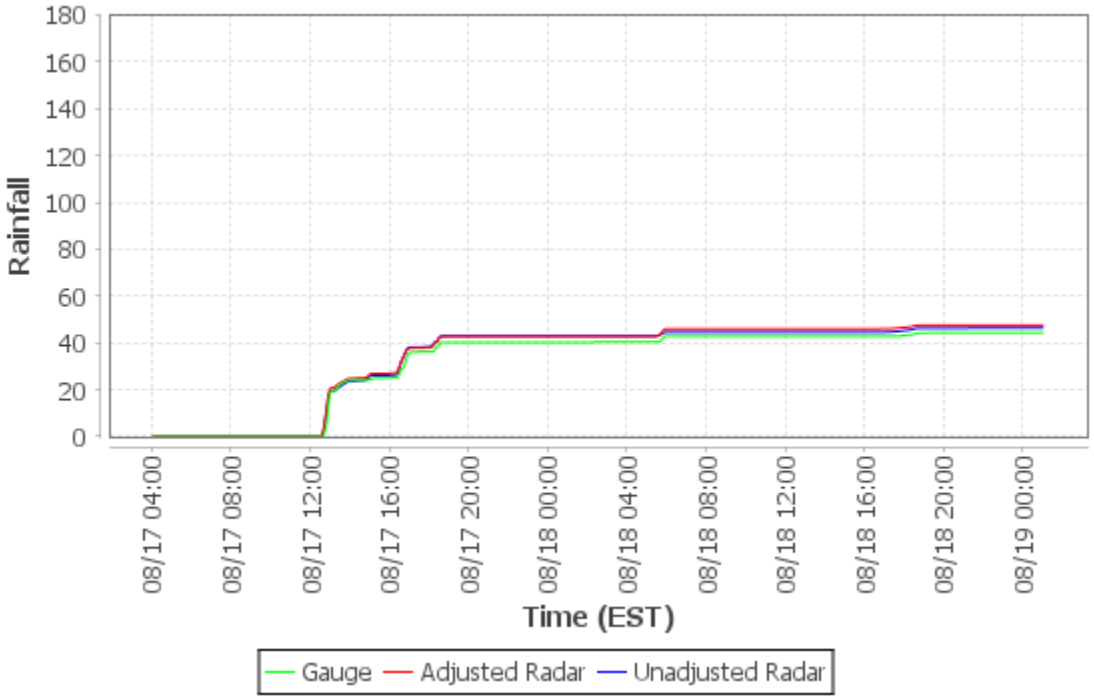
Cumulative Distribution Plot - 2401 Denison St. (R-YR-MA-03)



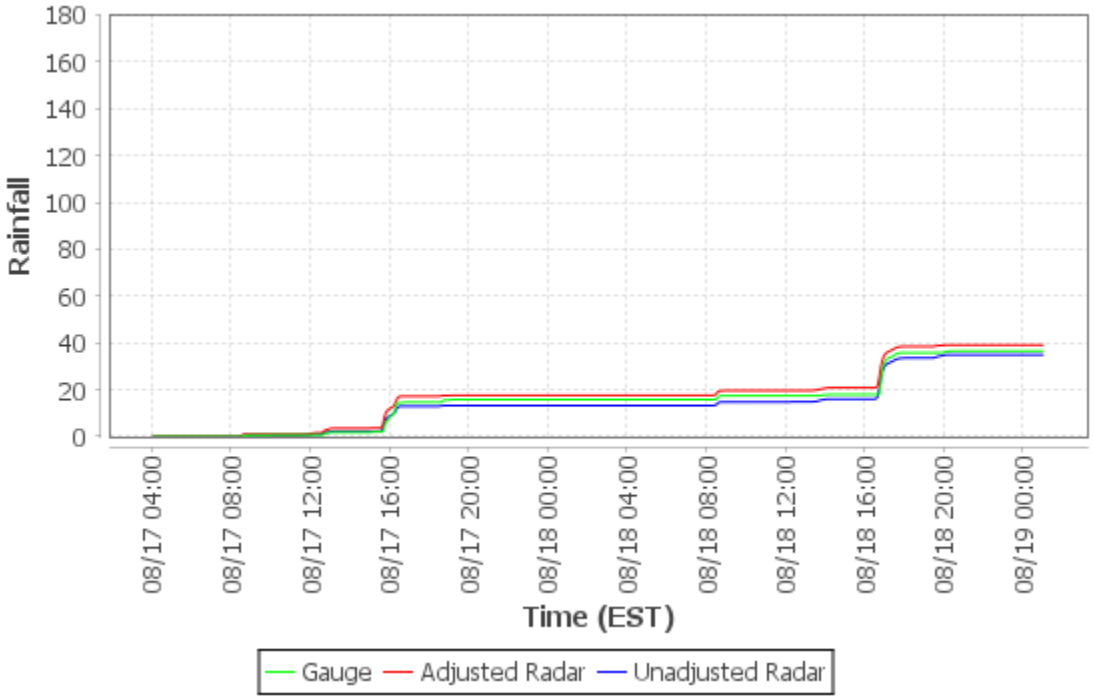
Cumulative Distribution Plot - 10 Riviera Dr. (R-YR-MA-19)



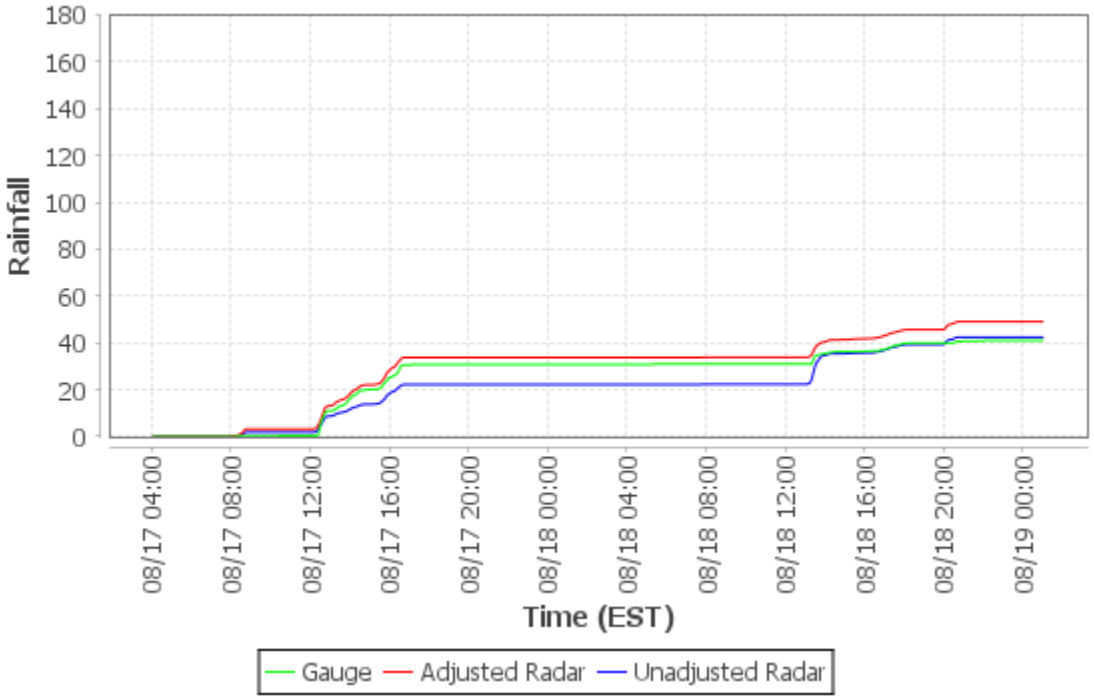
Cumulative Distribution Plot - 30 John Allen Cameron St. (R-YR-MA-20)



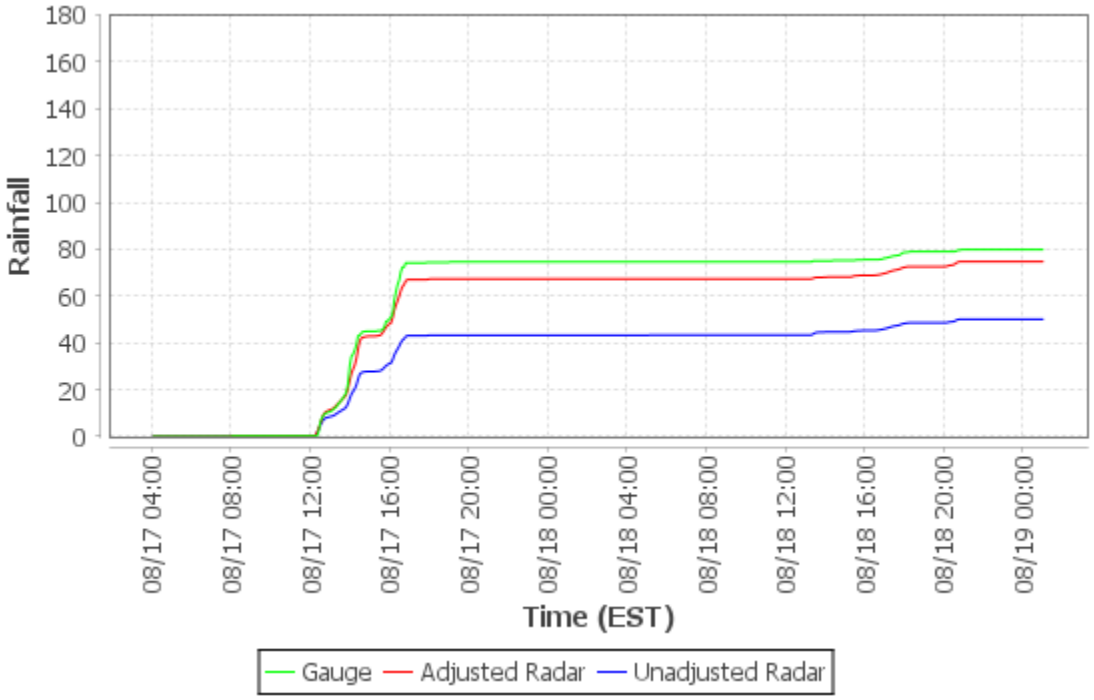
Cumulative Distribution Plot - 875 Stonehaven (R-YR-NE-07)



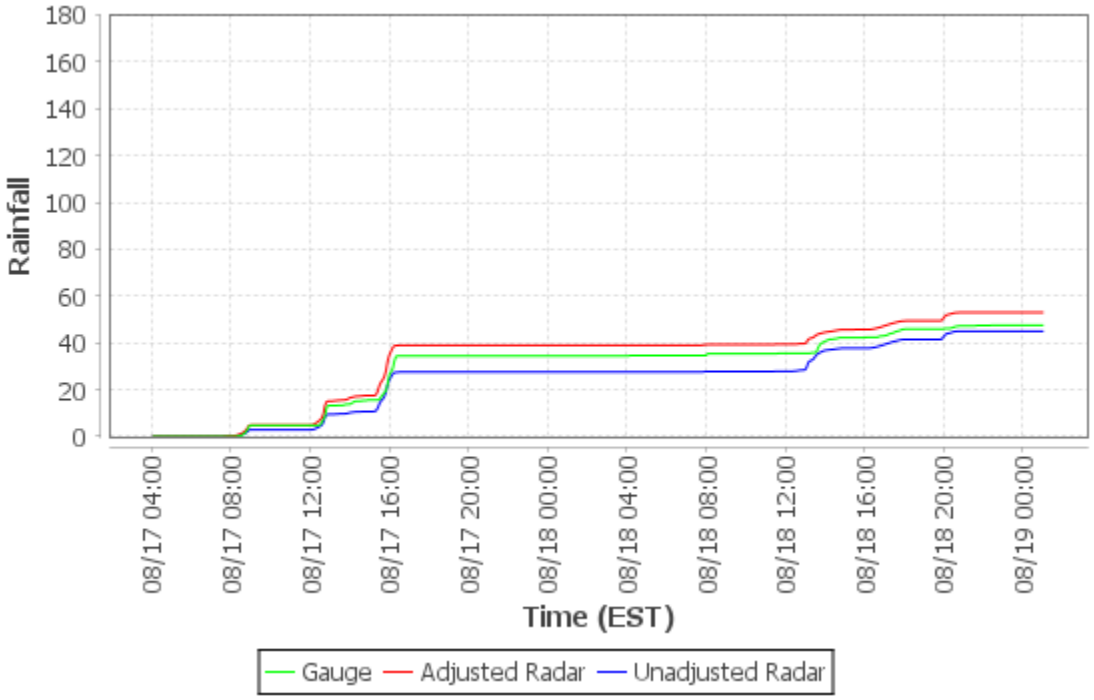
Cumulative Distribution Plot - 500 Major Mackenzie Drive East. (R-YR-RH-01)



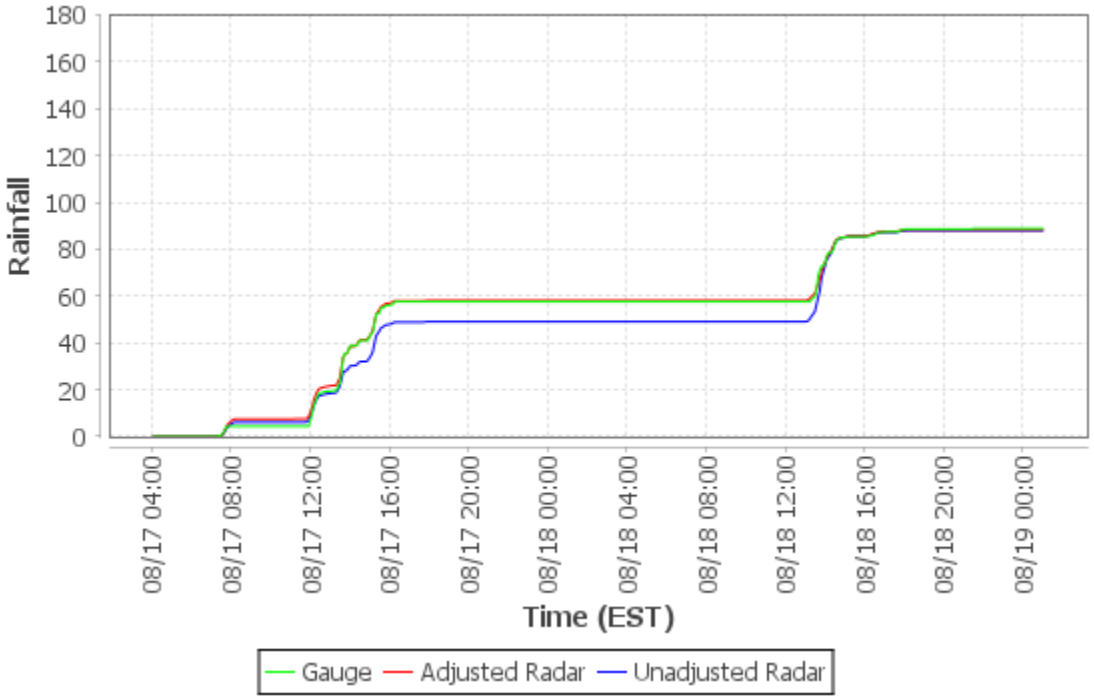
Cumulative Distribution Plot - 124 Blackmore Avenue (R-YR-RH-10)



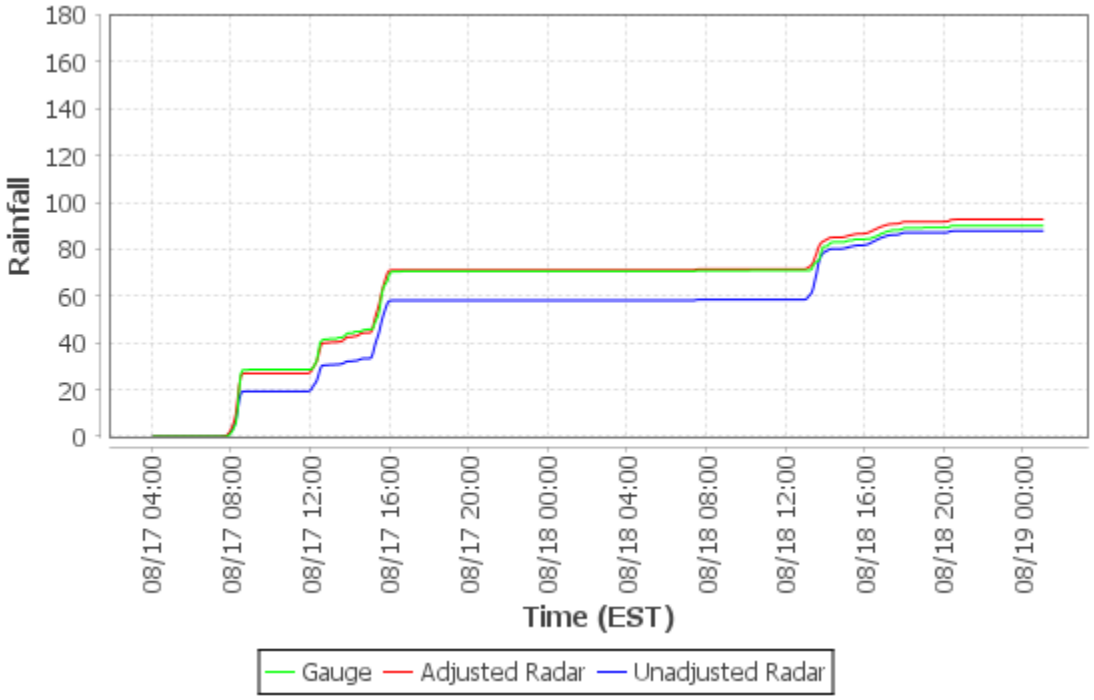
Cumulative Distribution Plot - 201 Yorkland Street (R-YR-RH-15)



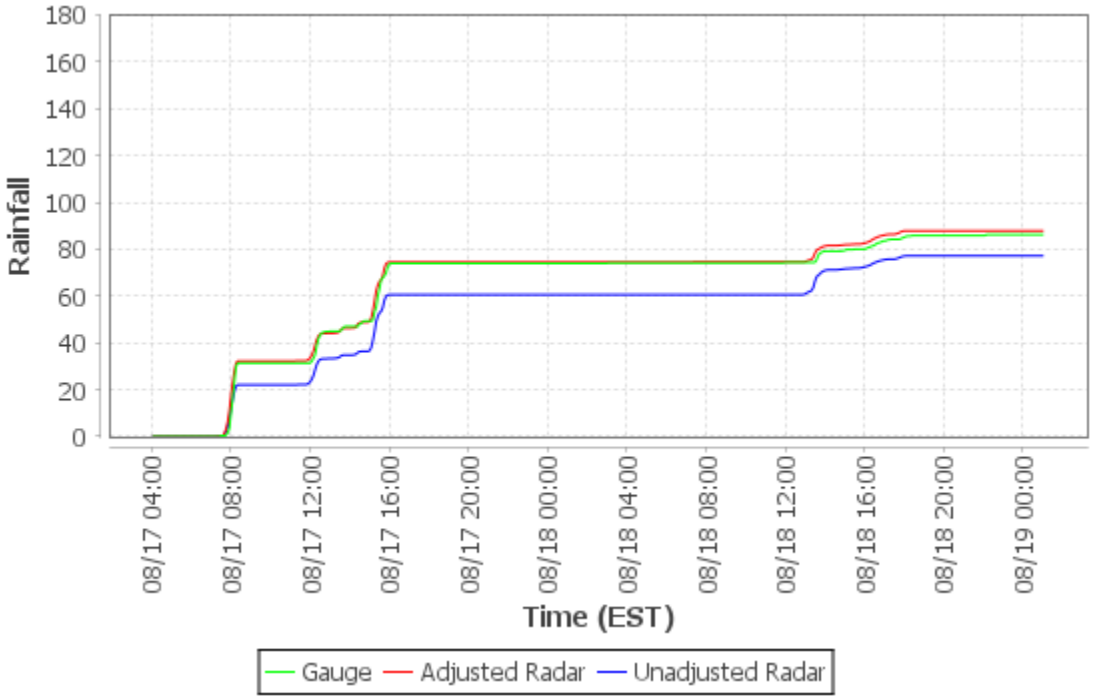
Cumulative Distribution Plot - 4738 Steeles Ave. W. (R-YR-VA-01)



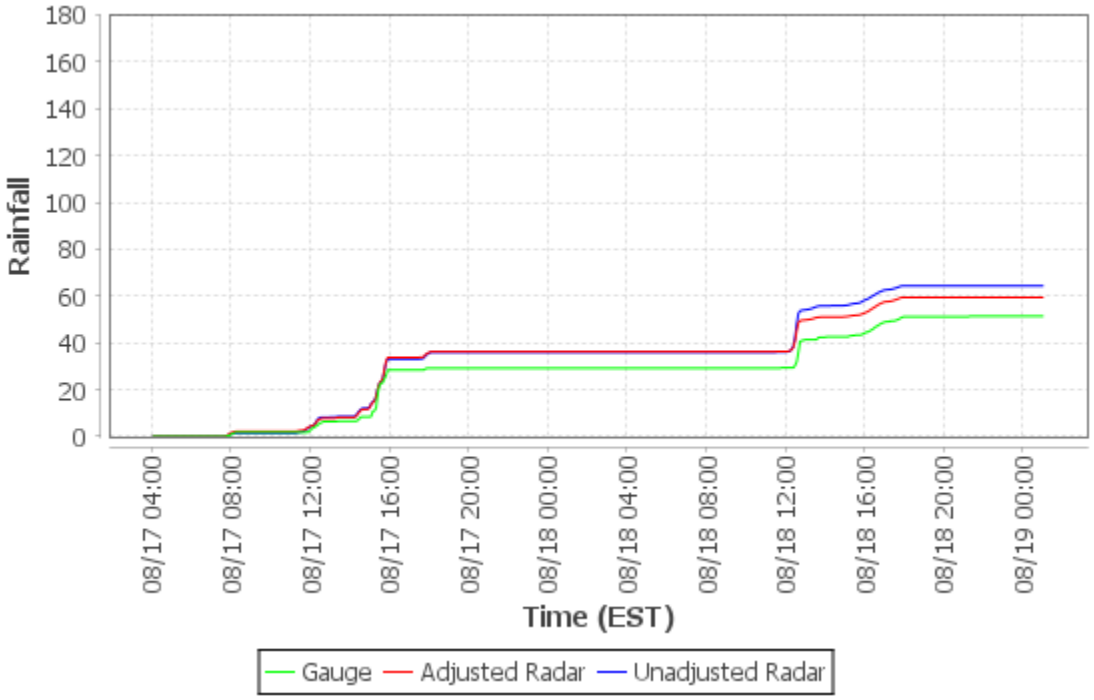
Cumulative Distribution Plot - 2850 Rutherford Rd. (R-YR-VA-02)



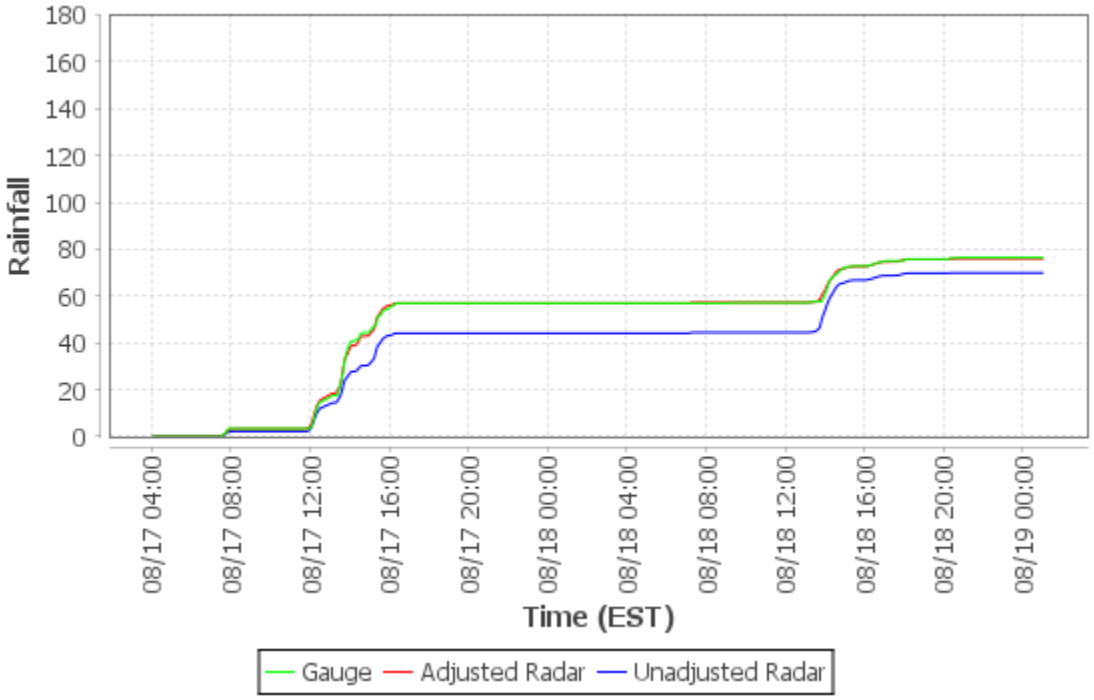
Cumulative Distribution Plot - 4630 Langstaff Rd. (R-YR-VA-03)



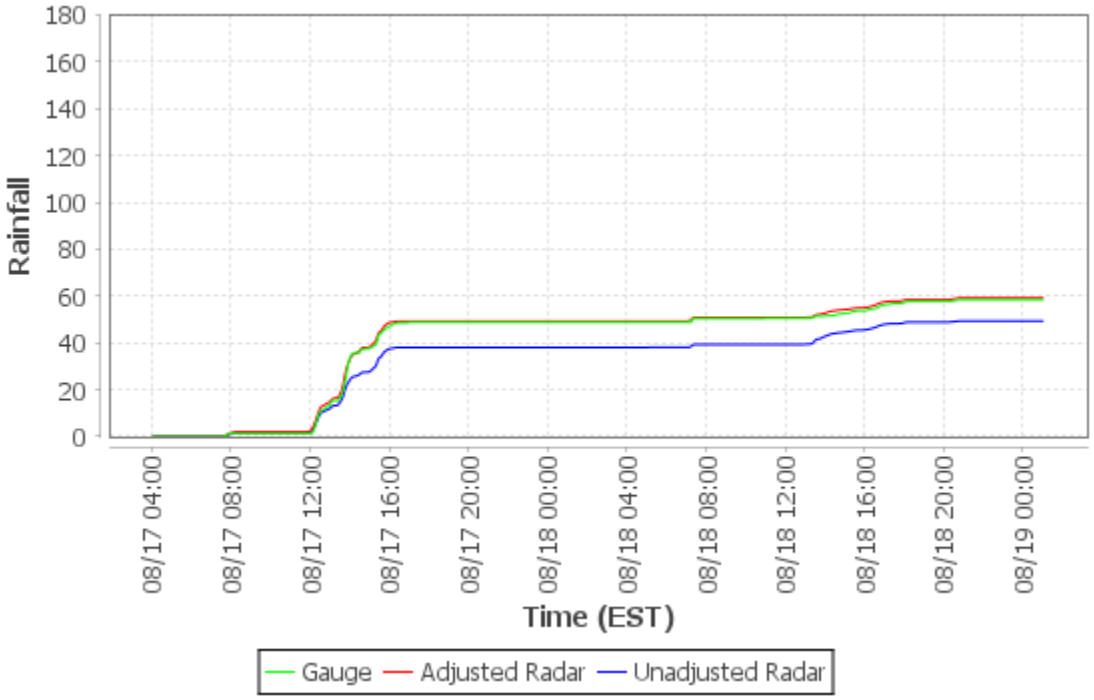
Cumulative Distribution Plot - 10299 Hwy 27 (R-YR-VA-04)



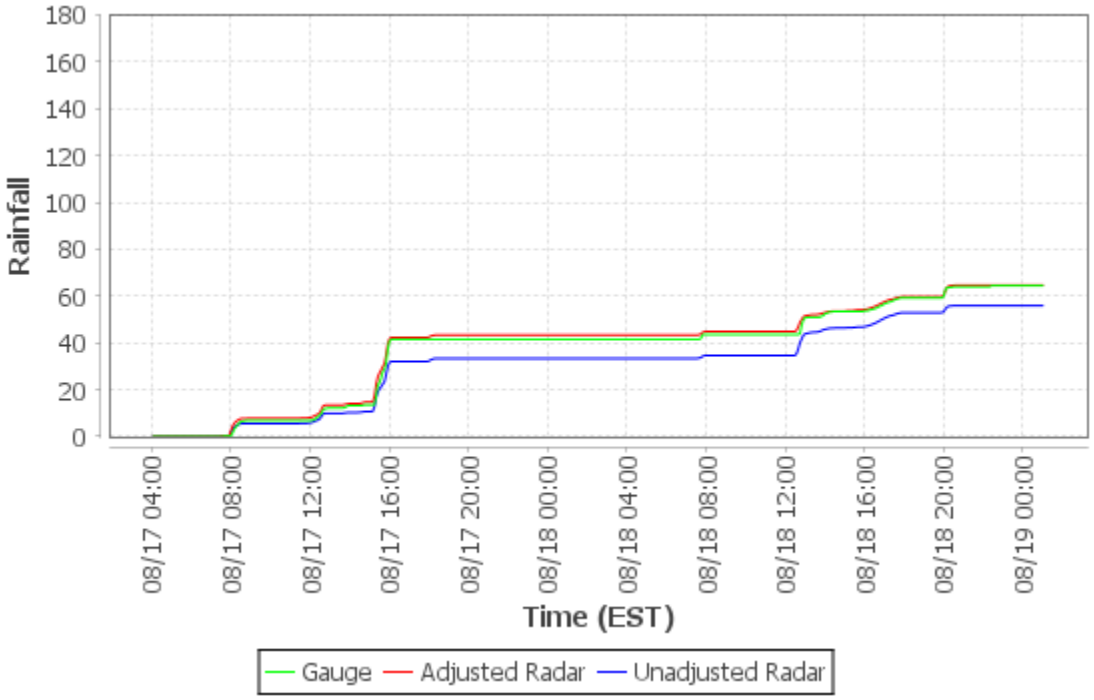
Cumulative Distribution Plot - 11 Aviva Park Dr. (R-YR-VA-09)



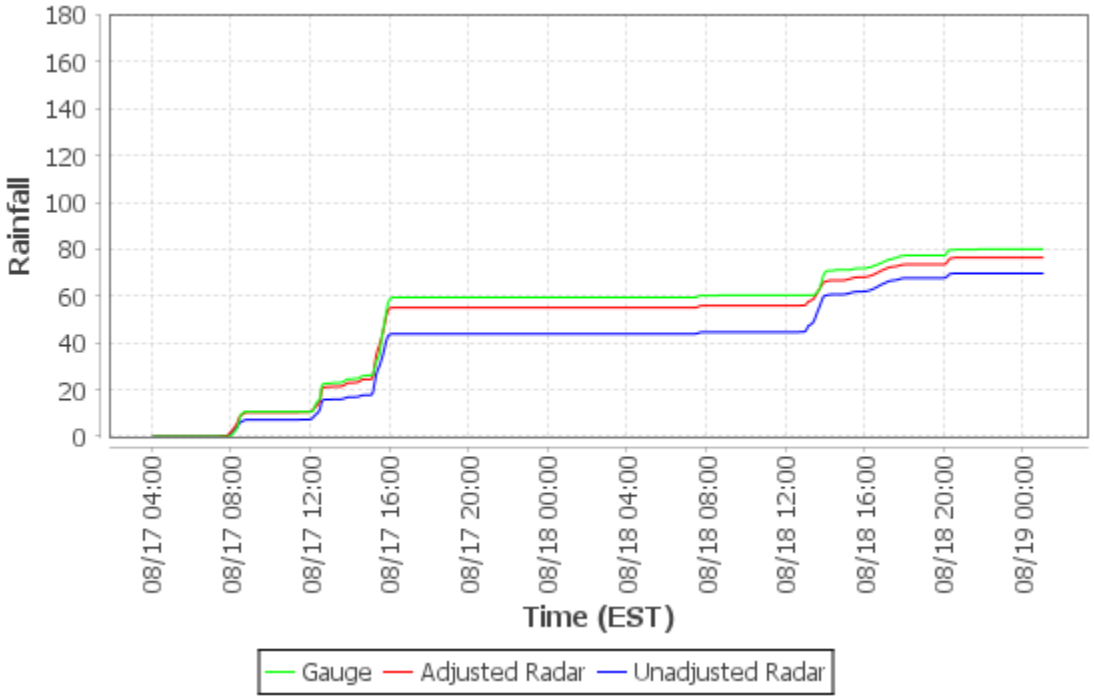
Cumulative Distribution Plot - 130 McCleary Crt. (R-YR-VA-10)



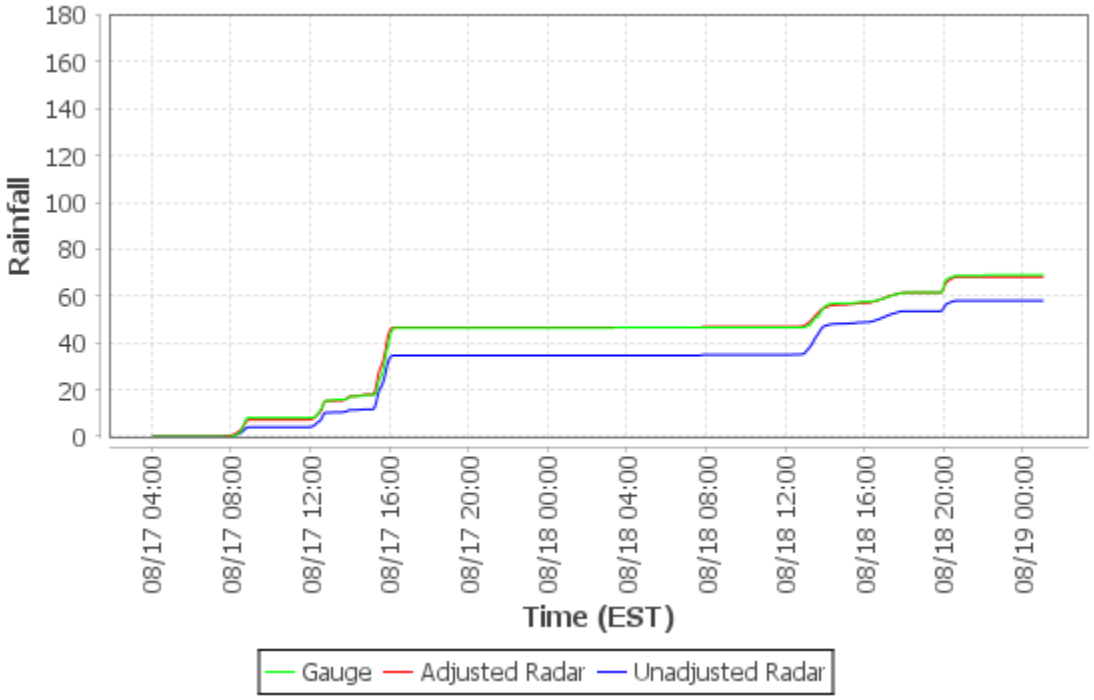
Cumulative Distribution Plot - 11201 Keele St. (R-YR-VA-11)



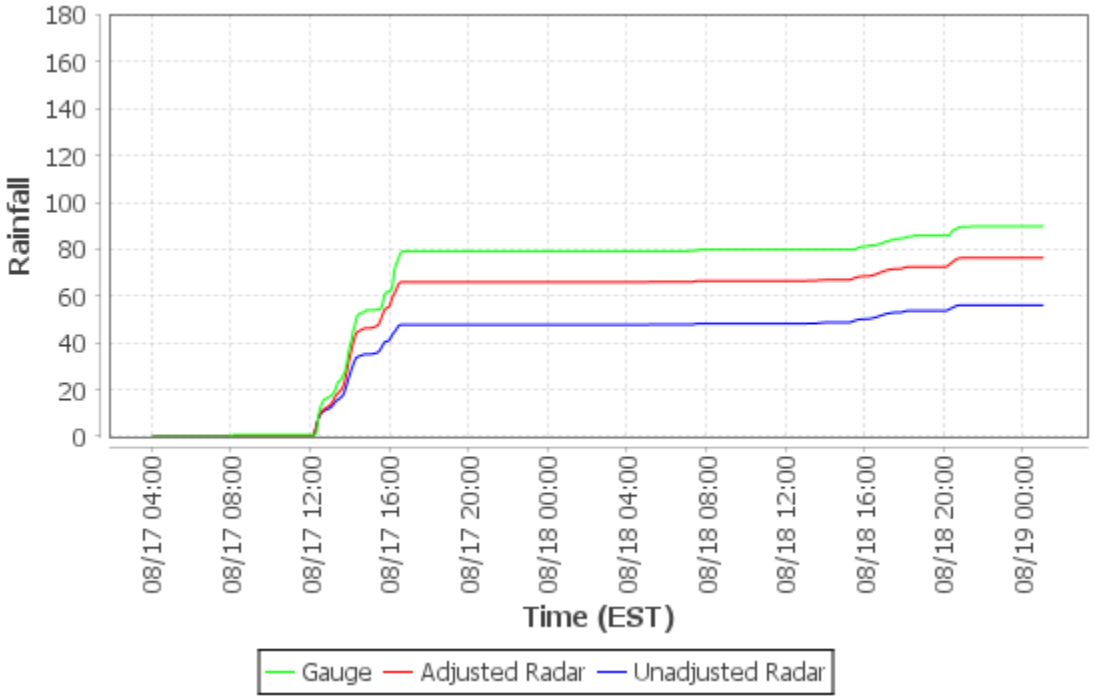
Cumulative Distribution Plot - 10190 Keele Street (R-YR-VA-13)



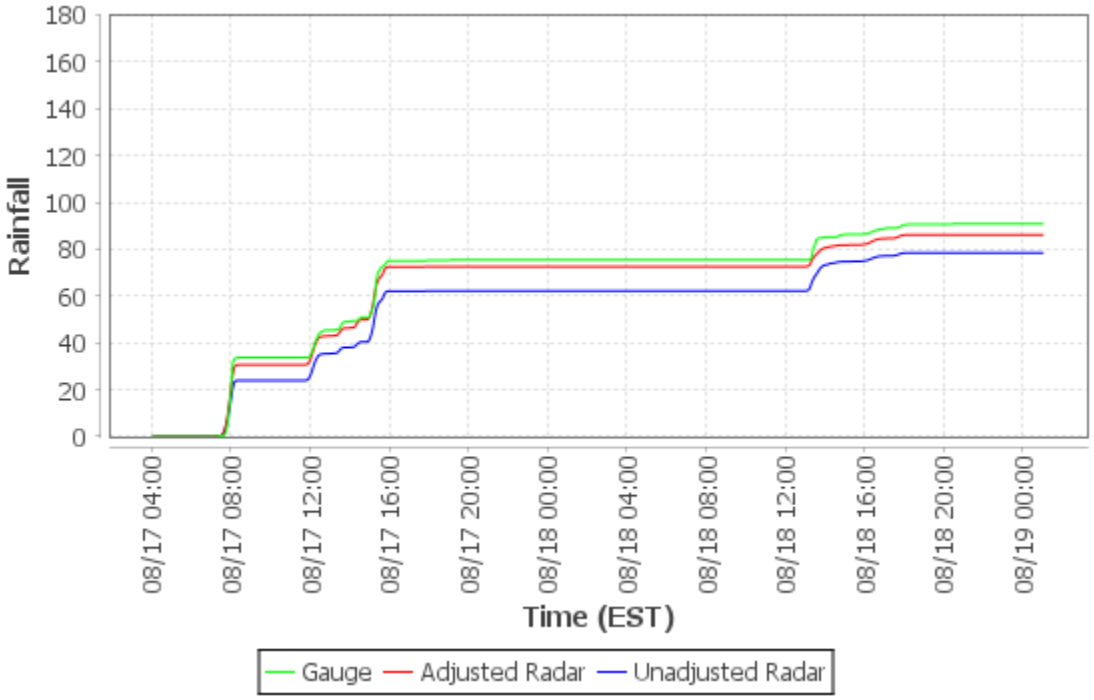
Cumulative Distribution Plot - 900 Teston Rd. (R-YR-VA-16)



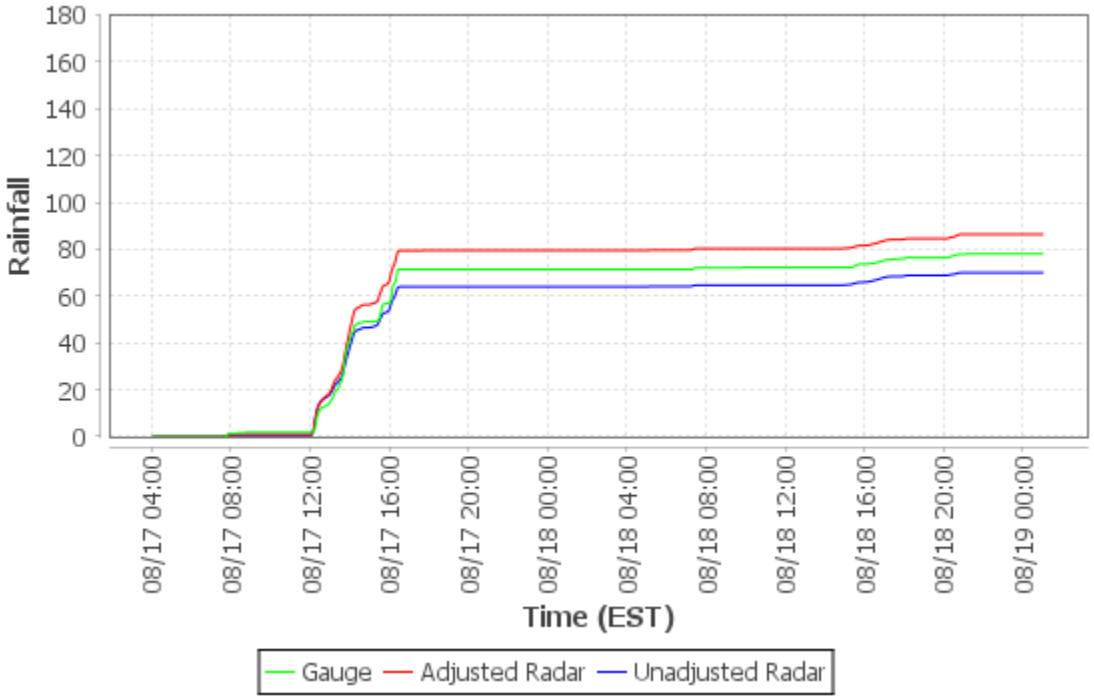
Cumulative Distribution Plot - 300 Rosedale Heights (R-YR-VA-22)



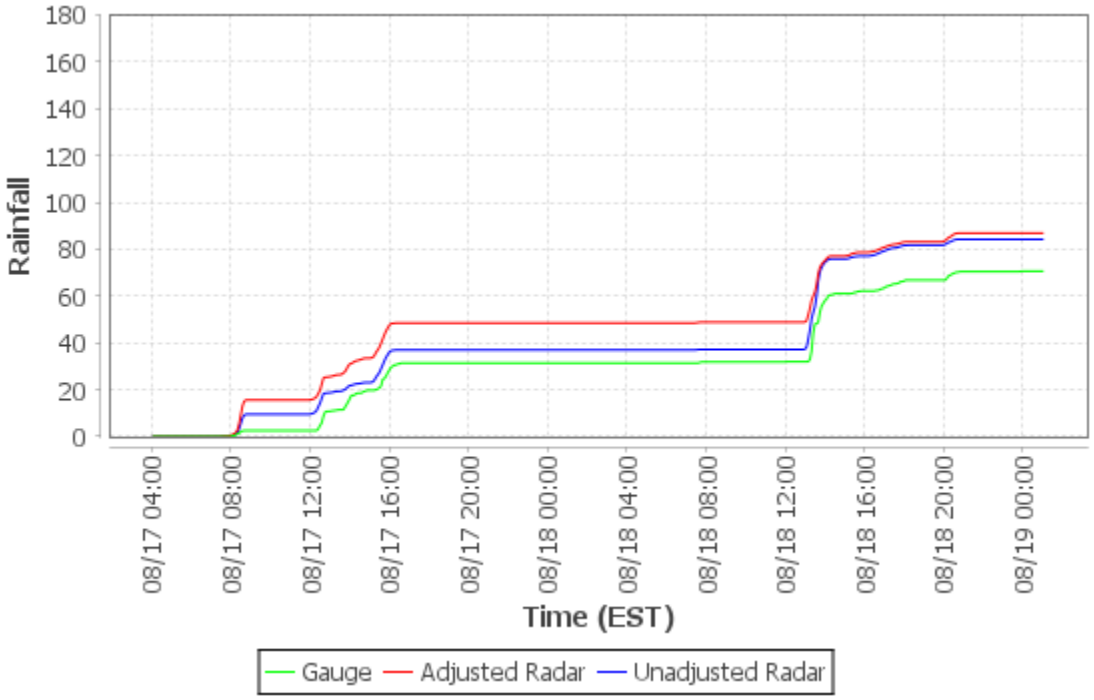
Cumulative Distribution Plot - 60 Burwick (R-YR-VA-23)



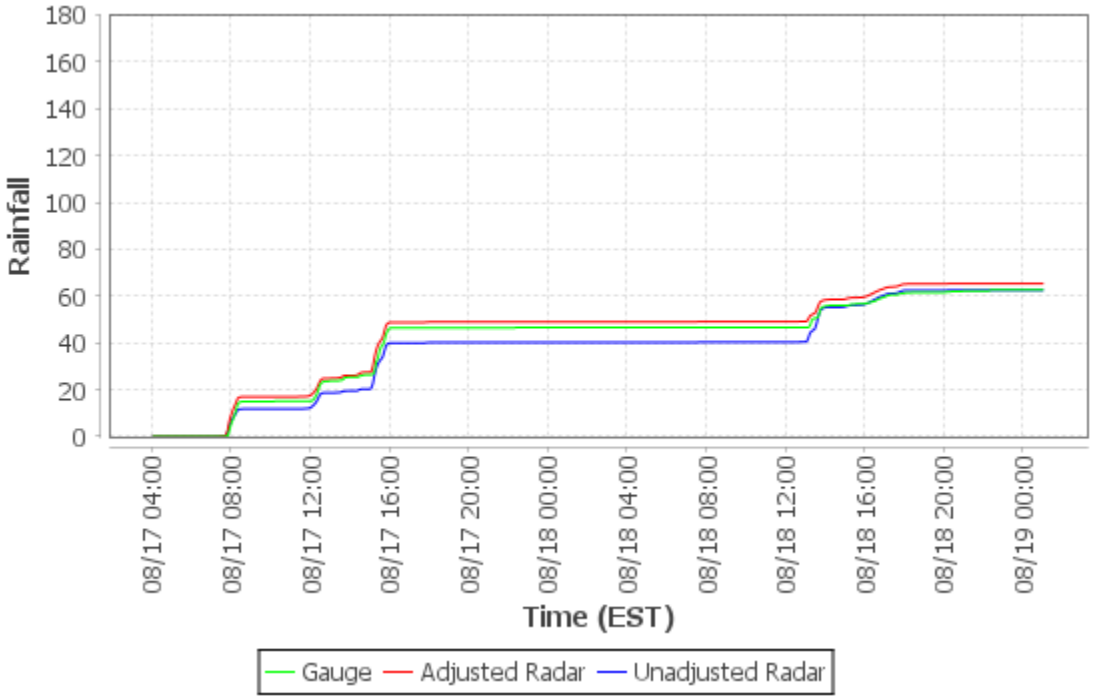
Cumulative Distribution Plot - 121 Joseph Aaron Blvd (R-YR-VA-24)



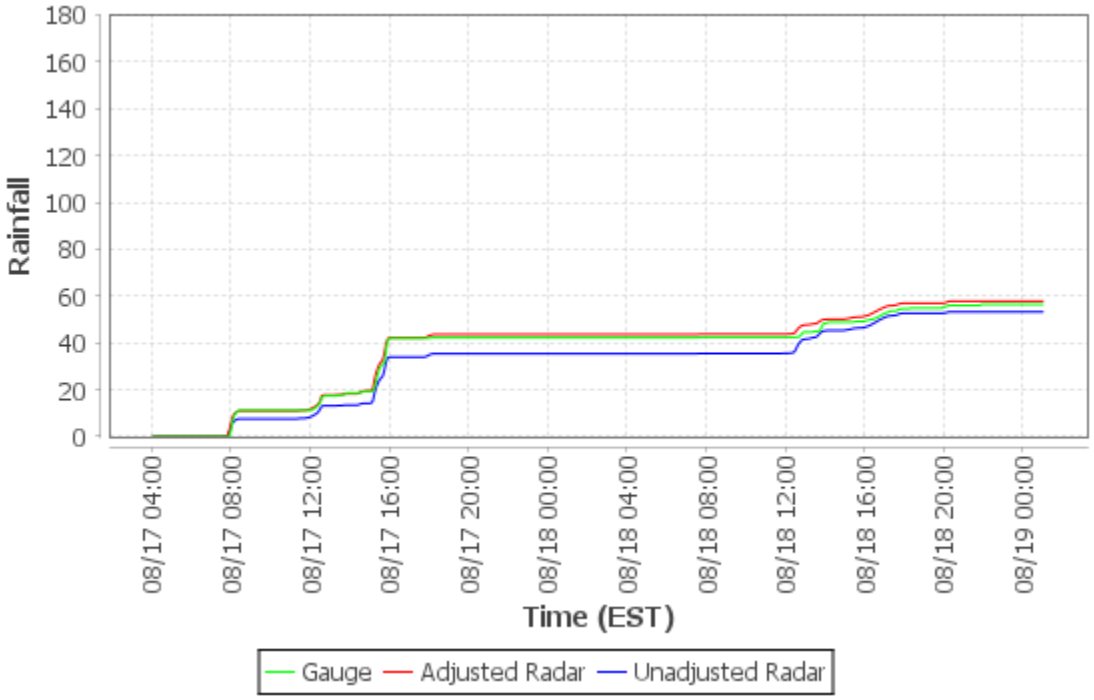
Cumulative Distribution Plot - 360 Thomas Cook Avenue (R-YR-VA-26)



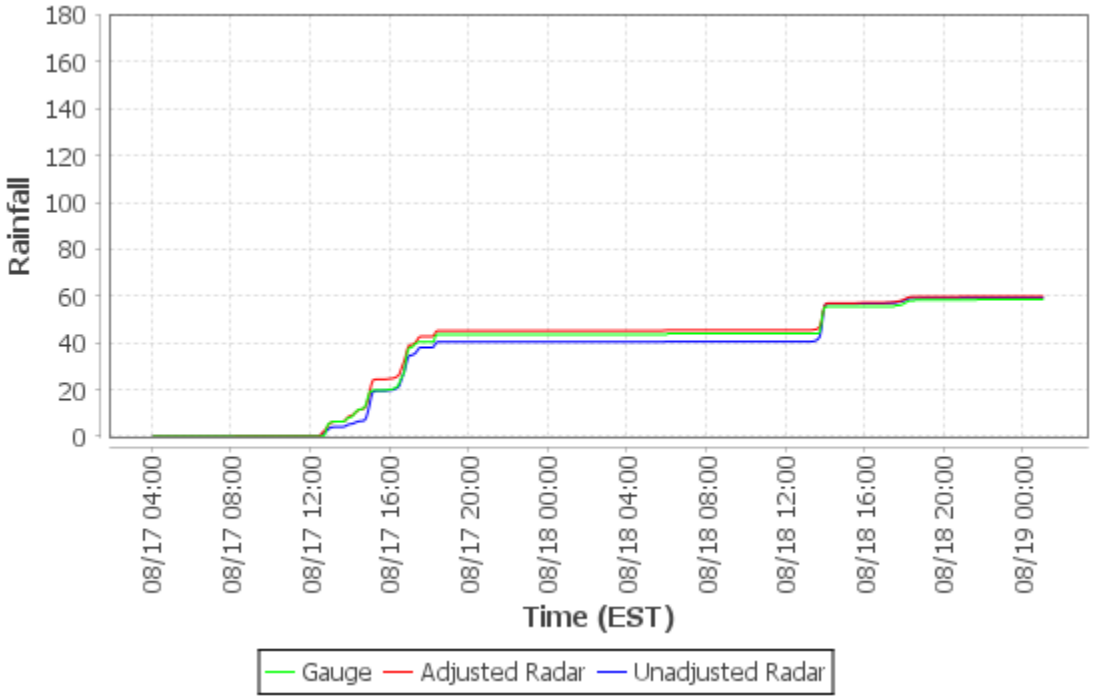
Cumulative Distribution Plot - 115 Starling Blvd (R-YR-VA-27)



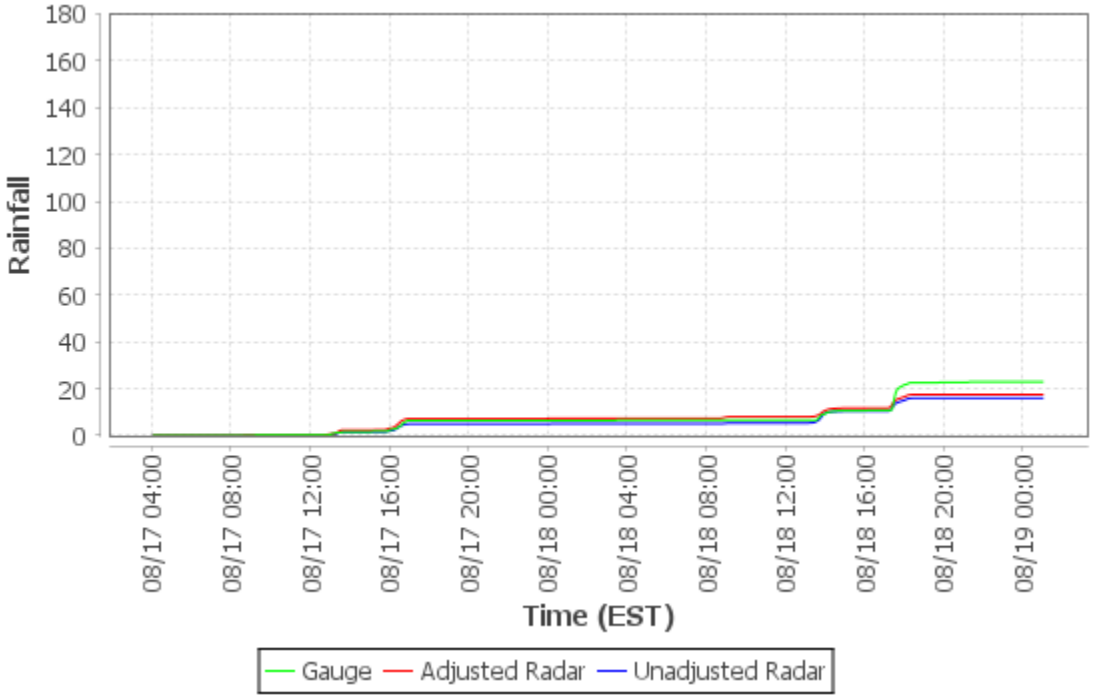
Cumulative Distribution Plot - 675 Vellore Park Avenue (R-YR-VA-28)



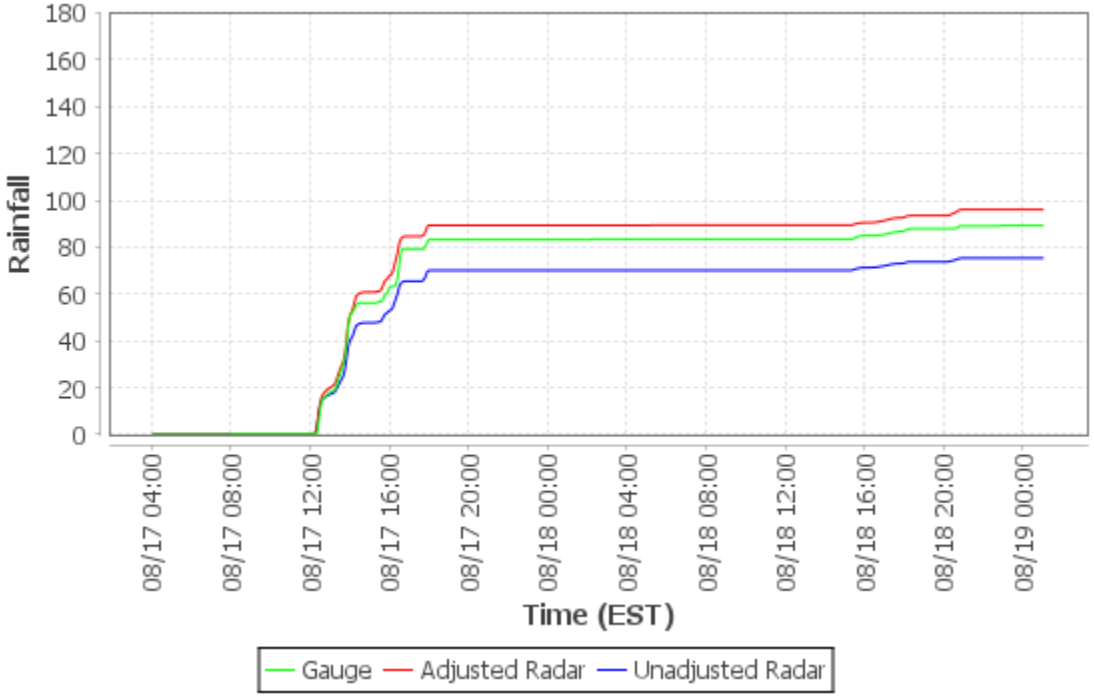
Cumulative Distribution Plot - 100 Weldon Rd. (R-YR-WS-05)



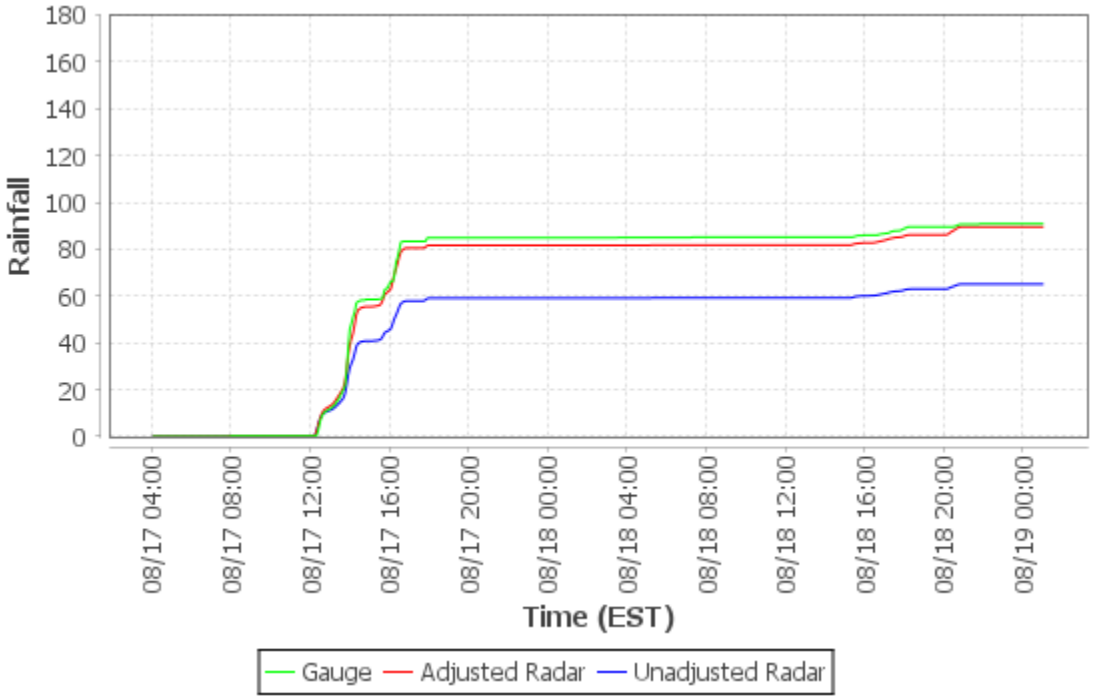
Cumulative Distribution Plot - 5632 Aurora Rd, Whitchurch-Stouffville, ON L4A 7X4 (R-YR-WS-06)



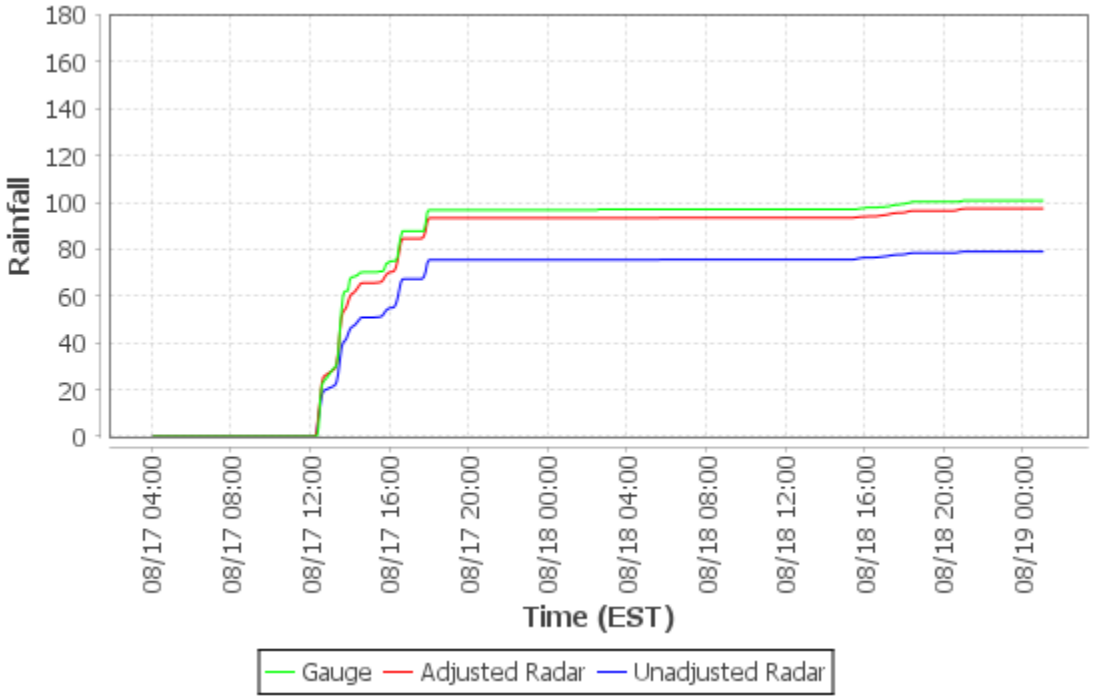
Cumulative Distribution Plot - Thornhill C.C. (R-MUN-MA-05)



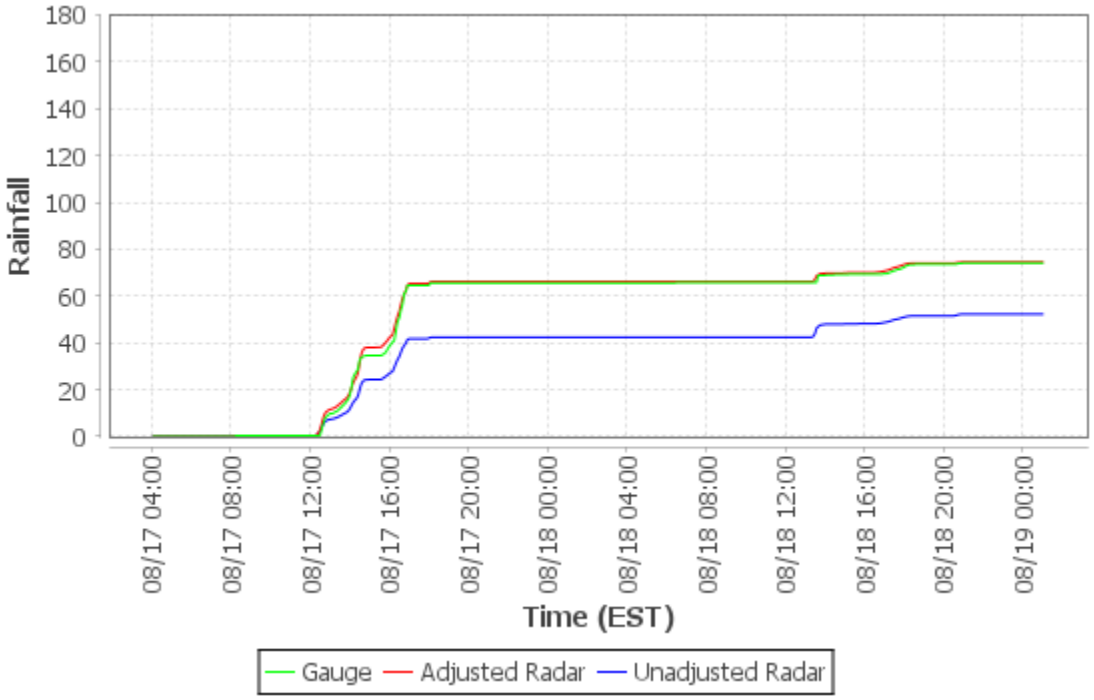
Cumulative Distribution Plot - Stornoway P.S. (R-MUN-MA-07)



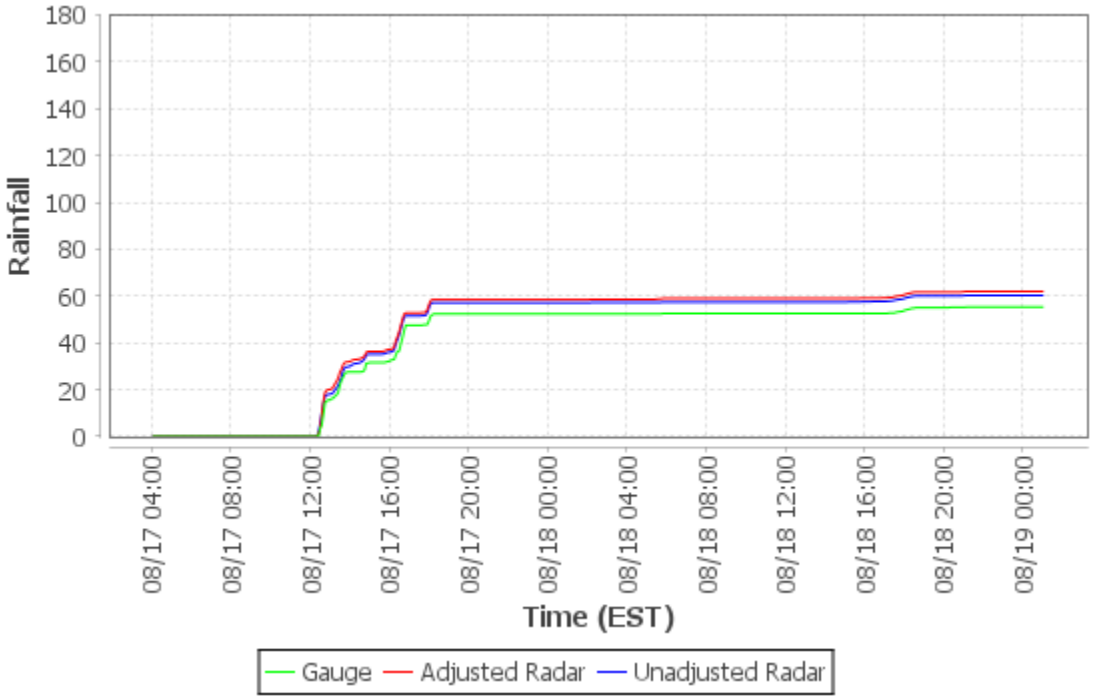
Cumulative Distribution Plot - German Mills P.S. (R-MUN-MA-08)



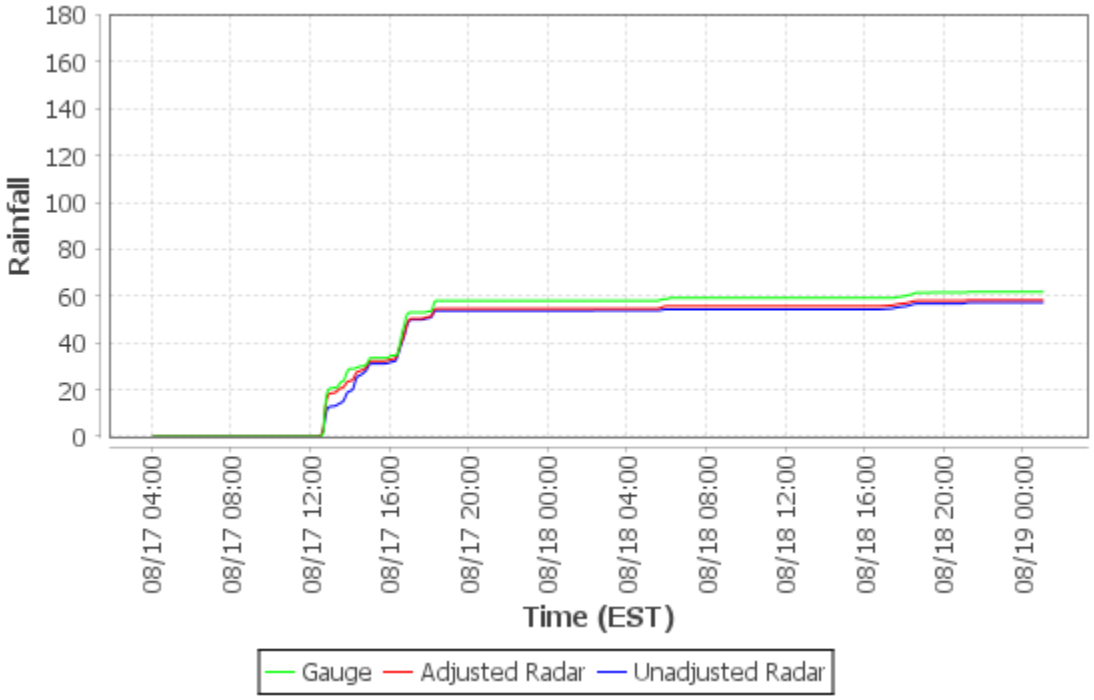
Cumulative Distribution Plot - Lincoln Alexander P.S. (R-MUN-MA-09)



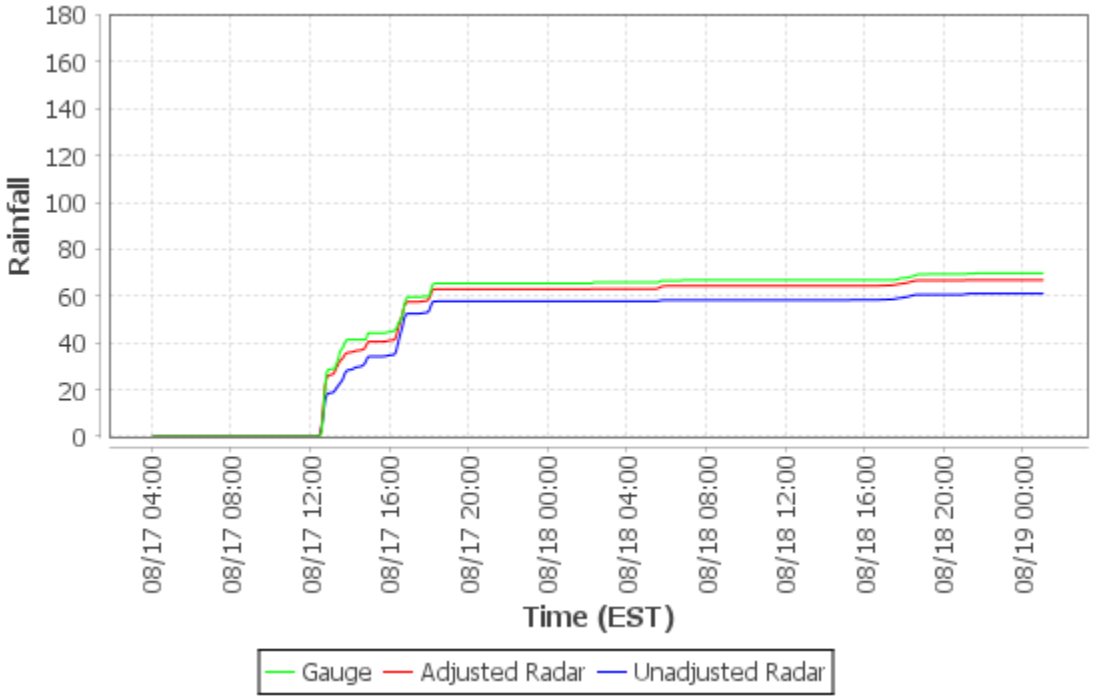
Cumulative Distribution Plot - Milliken Mills C.C. (R-MUN-MA-11)



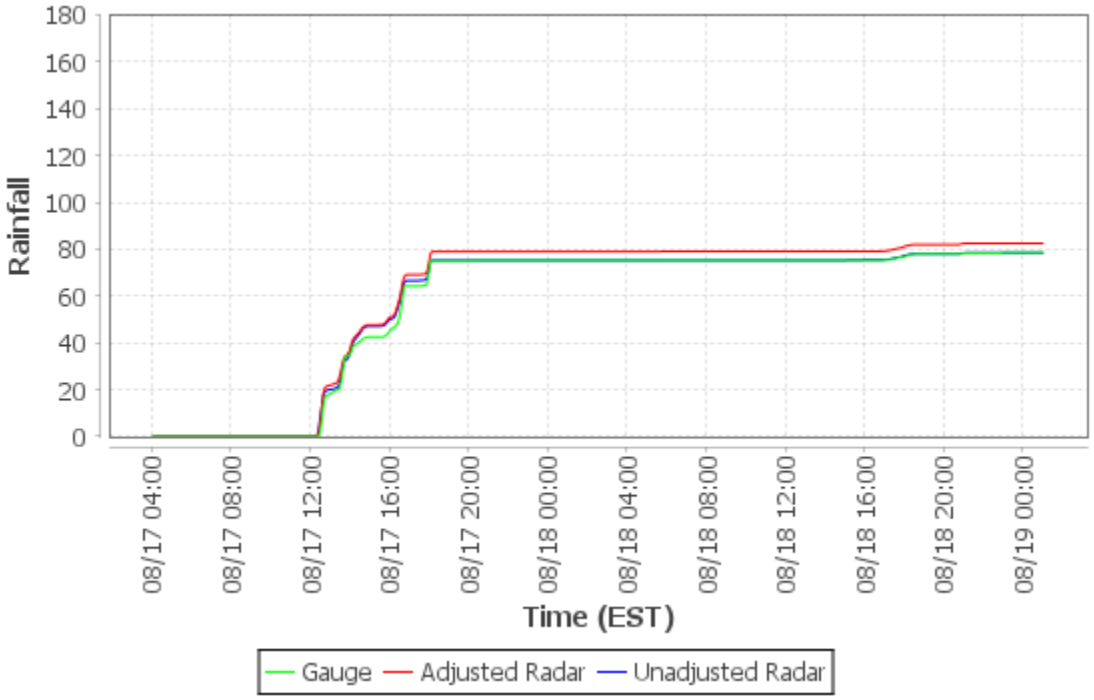
Cumulative Distribution Plot - Markham Museum (R-MUN-MA-12)



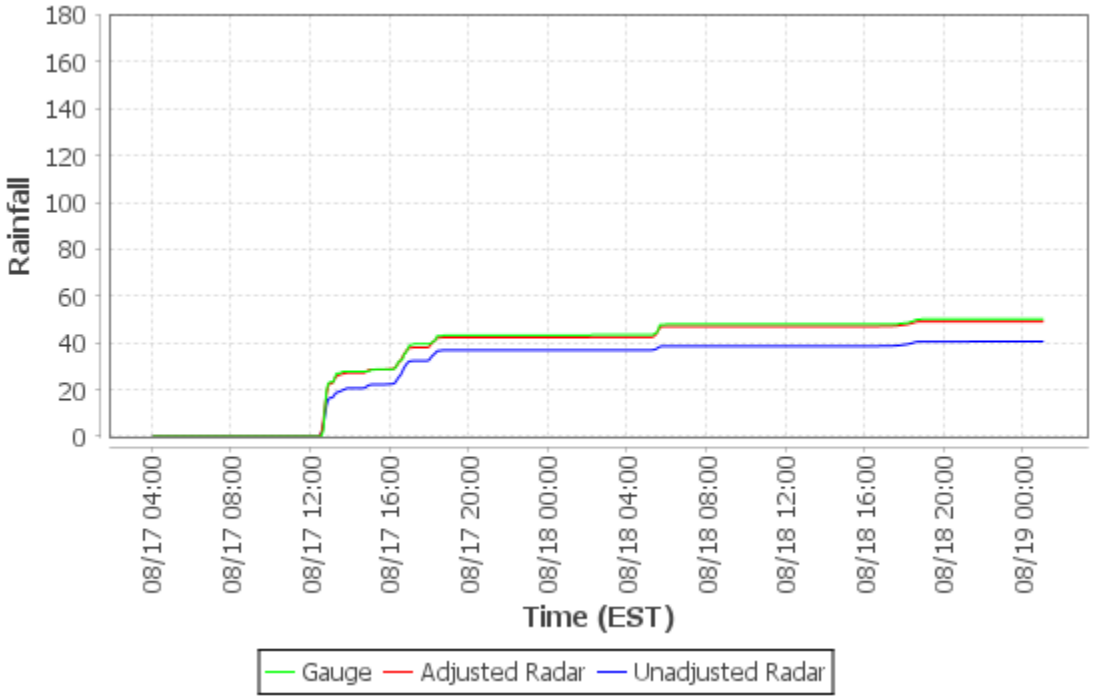
Cumulative Distribution Plot - Roy H Crosby P.S. (R-MUN-MA-13)



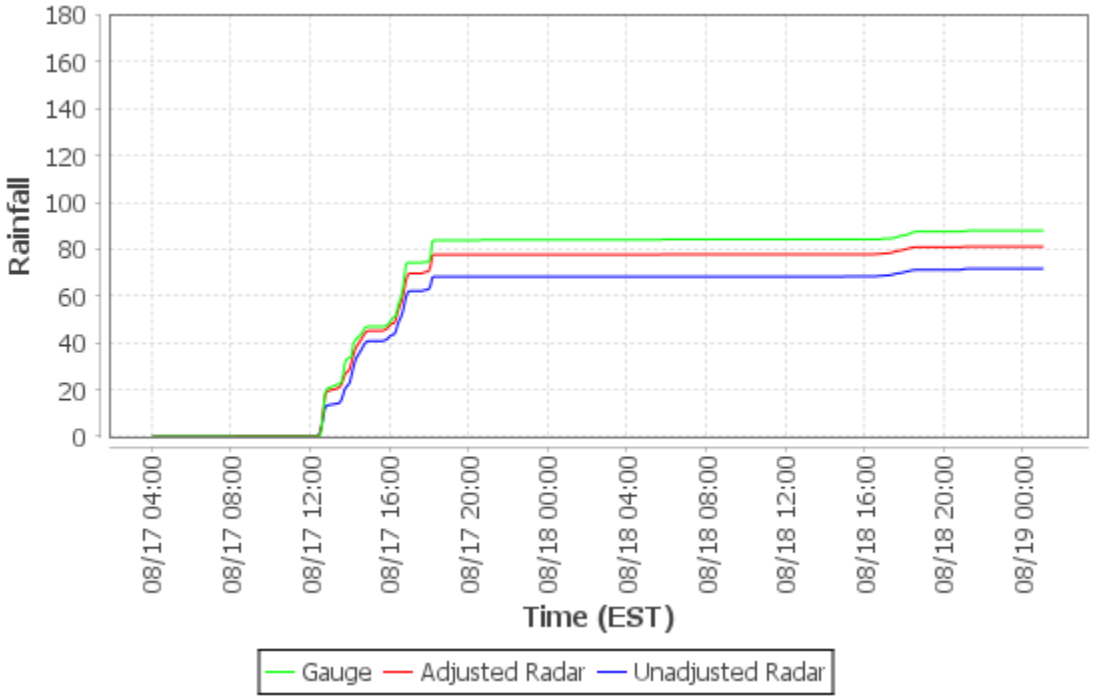
Cumulative Distribution Plot - 8100 Warden Ave (R-MUN-MA-14)



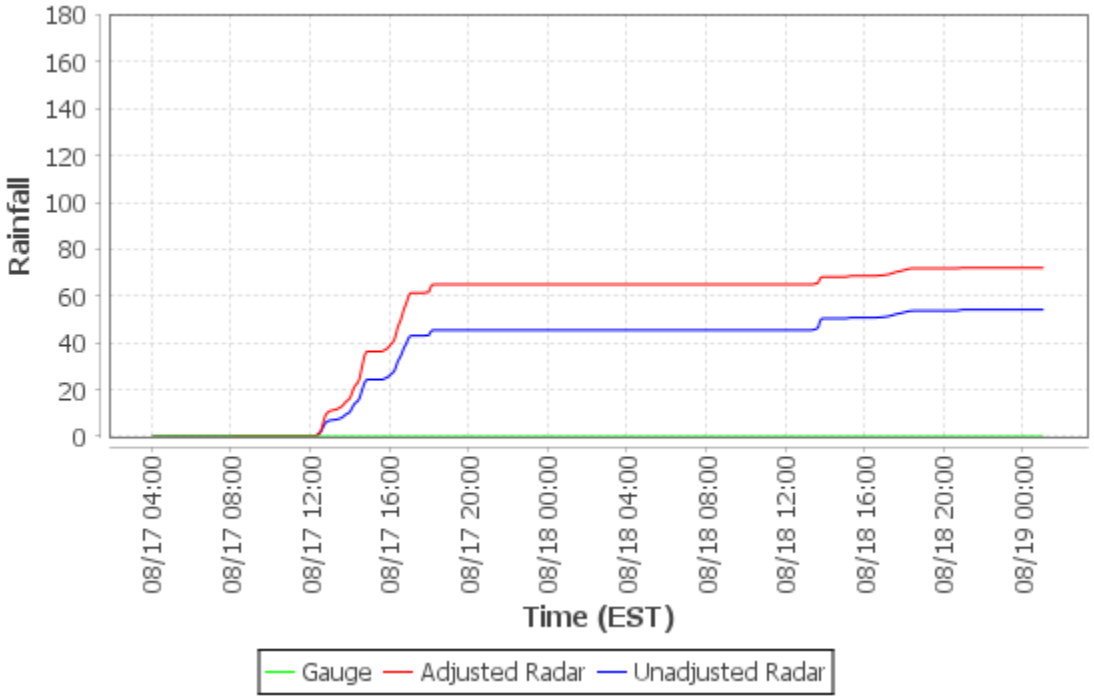
Cumulative Distribution Plot - Rouge River C.C. (R-MUN-MA-15)



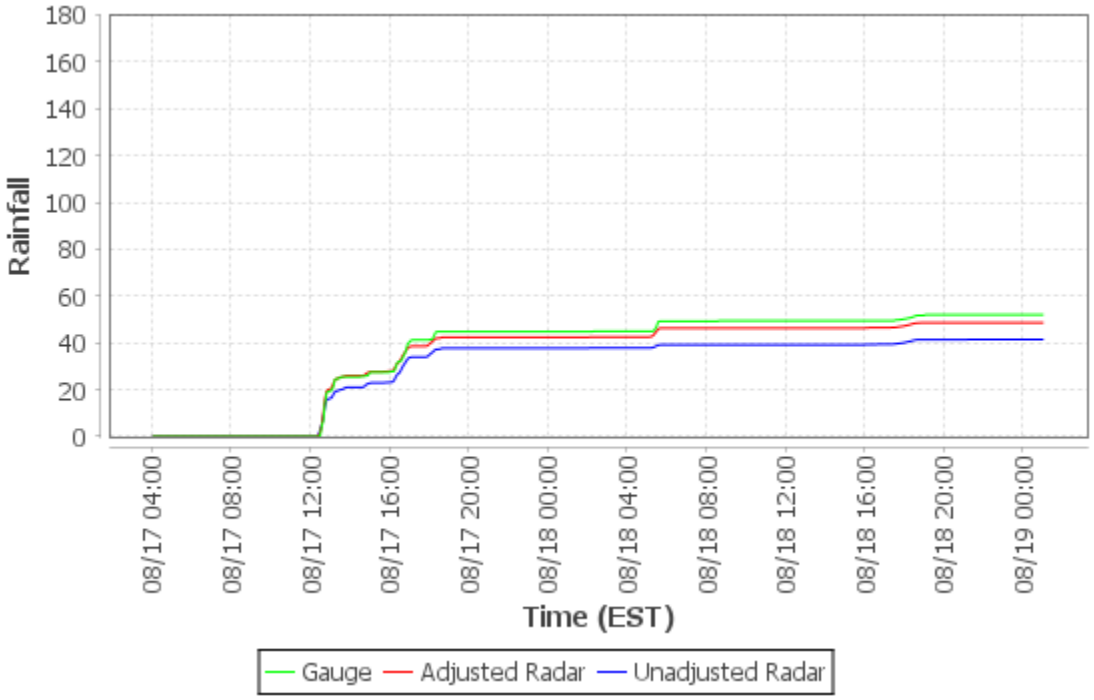
Cumulative Distribution Plot - Fire Hall #94 (R-MUN-MA-16)



Cumulative Distribution Plot - Angus Glen C.C. (R-MUN-MA-18)



Cumulative Distribution Plot - Parkland P.S. (R-MUN-MA-21)



Cumulative Distribution Plot - 11091 Warden Ave (R-MUN-MA-22)

