Water Column Indicator Quantile Report
SEACAR Analysis

Last compiled on 12 June, 2025

Contents

Overview

Purpose

The purpose of the indicator quantiles is to flag records that are "unusual" relative to all of the data in the DDI for a given indicator in order to facilitate QA/QC. They are not used to filter any of the data for SEACAR analyses, and the presence of a LowerQuantile or UpperQuantile flag on a DDI record alone does not necessarily indicate there is any issue with the record (neither does the absence of a LowerQuantile or UpperQuantile flag necessarily mean that a data record is correct).

Relevant file locations

Current values can be found in the "LowQuantile" and "HighQuantile" columns of the "Ref_Parameters" worksheet.

The R script described below and the output file can be found in the *FloridaSEACAR IndicatorQuantiles* repository on GitHub:

- https://github.com/FloridaSEACAR/IndicatorQuantiles

Process steps

IQ_Report_Render.R & IQ_Report.Rmd

1. The *IQ_Report_Render.R* script lists all files in a given directory and filters it to a list of DDI exports to evaluate considering a list of parameters to skip (user-defined).

2. User sets the desired upper and lower quantile thresholds, as well as a number of standard deviations away from the mean to use for the calculations.

3. User sets the string value(s) in the DDI exports that should be considered as NA values.

4. The remainder of the script loops through the file list, returning the values listed below and binding them together by row into a single Excel spreadsheet that is saved to the User's working directory.

5. For each habitat included in the User's working directory a PDF report will be created in the "output" folder using *IQ_Report.Rmd*, which provides an overview of questionable / flagged values.

6. In addition to the PDF reports, each habitat will provide a .txt data output file in the "output/data" folder containing questionable values.

Summary

The following quantile thresholds are used for flagging "questionable" values:

- Lower quantile: **0.001**
- Upper quantile: **0.999**

Included Indicators and Parameters and the files used in this analysis:

Nekton
Indicator: Nekton - *All_NEKTON_Parameters-2025-Jun-06.txt*

- Standard Length

- Count

- Presence/Absence

Discrete WQ
Indicator: Nutrients

- Ammonia, Un-ionized (NH3)
  - *Combined_WQ_WC_NUT_Ammonia_Un-ionized_NH3-2025-Jun-06.txt*
- Ammonium, Filtered (NH4)
  - *Combined_WQ_WC_NUT_NH4_Filtered-2025-Jun-06.txt*
- Nitrate (NO3)
  - *Combined_WQ_WC_NUT_Nitrate_N-2025-Jun-06.txt*
- Nitrite (NO2)
  - *Combined_WQ_WC_NUT_Nitrite_N-2025-Jun-06.txt*
- Nitrogen, organic
  - *Combined_WQ_WC_NUT_Nitrogen_organic-2025-Jun-06.txt*
- NO2+3, Filtered
  - *Combined_WQ_WC_NUT_NO2_3_Filtered-2025-Jun-06.txt*
- Phosphate, Filtered (PO4)
  - *Combined_WQ_WC_NUT_PO4_Filtered-2025-Jun-06.txt*
- Total Kjeldahl Nitrogen
  - *Combined_WQ_WC_NUT_Total_Kjeldahl_Nitrogen_TKN-2025-Jun-06.txt*
- Total Nitrogen (All)
  - *Combined_WQ_WC_NUT_Total_Nitrogen-2025-Jun-06.txt*
- Total Nitrogen (Calculated)
  - *Combined_WQ_WC_NUT_Total_Nitrogen-2025-Jun-06.txt*
- Total Phosphorus
  - *Combined_WQ_WC_NUT_Total_Phosphorus-2025-Jun-06.txt*

Indicator: Water Clarity

- Chlorophyll a, Corrected for Pheophytin
  - *Combined_WQ_WC_NUT_Chlorophyll_a_corrected_for_pheophytin-2025-Jun-06.txt*
- Chlorophyll a, Uncorrected for Pheophytin
  - *Combined_WQ_WC_NUT_Chlorophyll_a_uncorrected_for_pheophytin-2025-Jun-06.txt*
- Colored Dissolved Organic Matter
  - *Combined_WQ_WC_NUT_Colored_dissolved_organic_matter_CDOM-2025-Jun-06.txt*
- Light Extinction Coefficient
  - *Combined_WQ_WC_NUT_Light_Extinction_Coefficient-2025-Jun-06.txt*
- Secchi Depth
  - *Combined_WQ_WC_NUT_Secchi_Depth-2025-Jun-06.txt*
- Total Suspended Solids
  - *Combined_WQ_WC_NUT_Total_Suspended_Solids_TSS-2025-Jun-06.txt*
- Turbidity

– *Combined_WQ_WC_NUT_Turbidity-2025-Jun-06.txt*

Indicator: Water Quality

- Dissolved Oxygen
  – *Combined_WQ_WC_NUT_Dissolved_Oxygen-2025-Jun-06.txt*
- Dissolved Oxygen Saturation
  – *Combined_WQ_WC_NUT_Dissolved_Oxygen_Saturation-2025-Jun-06.txt*
- pH
  – *Combined_WQ_WC_NUT_pH-2025-Jun-06.txt*
- Salinity
  – *Combined_WQ_WC_NUT_Salinity-2025-Jun-06.txt*
- Specific Conductivity
  – *Combined_WQ_WC_NUT_Specific_Conductivity-2025-Jun-06.txt*
- Water Temperature
  – *Combined_WQ_WC_NUT_Water_Temperature-2025-Jun-06.txt*

Continuous WQ

Indicator: Water Quality

- Dissolved Oxygen
  – *Combined_WQ_WC_NUT_cont_Dissolved_Oxygen_*AllRegions*-2025-Jun-06.txt*
- Dissolved Oxygen Saturation
  – *Combined_WQ_WC_NUT_cont_Dissolved_Oxygen_Saturation_*AllRegions*-2025-Jun-06.txt*
- pH
  – *Combined_WQ_WC_NUT_cont_pH_*AllRegions*-2025-Jun-06.txt*
- Salinity
  – *Combined_WQ_WC_NUT_cont_Salinity_*AllRegions*-2025-Jun-06.txt*
- Water Temperature
  – *Combined_WQ_WC_NUT_cont_Water_Temperature_*AllRegions*-2025-Jun-06.txt*

Indicator: Water Clarity

- Turbidity
  – *Combined_WQ_WC_NUT_cont_Turbidity_*AllRegions*-2025-Jun-06.txt*

Summary Tables

q_low: Value corresponding to the qval_low quantile for the parameter in the DDI export.

q_high: Value corresponding to the qval_high quantile for the parameter in the DDI export.

mean: Mean value for the parameter in the DDI export.

n_tot: Total number of records in the DDI export for the parameter.

n_q_low: Number of records in the DDI export that are below q_low for the parameter.

n_q_high: Number of records in the DDI export that are above q_high for the parameter.

pct_flagged: Proportion of total records in the DDI export for the parameter which have been flagged as above q_high, or below q_low.

Nekton

Indicator: **Nekton**

Table 1: Indicator Quantile Overview

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Count	0	1040.22	9.16	253889	0	254	0.10
Presence/Absence	0	1.00	0.41	253852	0	0	0.00
Standard Length	1	67.50	12.03	1359115	1167	1344	0.18

Discrete WQ

Indicator: **Nutrients**

Table 2: Indicator Quantile Overview

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Ammonia, Un-ionized (NH3)	0.00	0.48	0.03	523	1	1	0.38
Ammonium, Filtered (NH4)	-0.02	8.24	0.11	148665	149	149	0.20
Nitrate (NO3)	0.00	0.96	0.02	11230	0	12	0.11
Nitrite (NO2)	0.00	0.30	0.00	43673	2	1	0.01
Nitrogen, organic	0.03	2.70	0.57	7121	6	7	0.18
NO2+3, Filtered	0.00	3.52	0.05	166755	167	167	0.20
Phosphate, Filtered (PO4)	-0.01	0.80	0.04	62640	51	63	0.18
Total Kjeldahl Nitrogen	0.00	4.68	4.14	122956	89	123	0.17
Total Nitrogen	0.00	4.11	0.51	148381	149	148	0.20
Total Nitrogen	0.00	2.77	0.38	86986	41	86	0.15
Total Phosphorus	0.00	0.72	0.16	170451	84	170	0.15

Indicator: **Water Clarity**

Table 3: Indicator Quantile Overview

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Chlorophyll a, Corrected for Pheophytin	0.0	109.00	5.68	73171	4	73	0.11
Chlorophyll a, Uncorrected for Pheophytin	0.0	110.48	15.56	96526	26	97	0.13

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Colored Dissolved Organic Matter	0.0	696.03	26.81	29165	0	30	0.10
Light Extinction Coefficient	0.0	9.08	0.73	18875	2	19	0.11
Secchi Depth	0.1	18.51	1.38	354885	44	355	0.11
Total Suspended Solids	0.0	173.27	12.96	95663	18	96	0.12
Turbidity	0.0	122.00	4.84	325235	30	324	0.11

Indicator: **Water Quality**

Table 4: Indicator Quantile Overview

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Dissolved Oxygen	0.21	14.60	6.55	863591	849	849	0.20
Dissolved Oxygen Saturation	0.32	174.86	79.88	160568	161	161	0.20
pH	5.30	9.30	7.92	692918	646	598	0.18
Salinity	0.00	41.30	24.57	862539	0	857	0.10
Specific Conductivity	0.01	60.73	15.87	452886	398	453	0.19
Water Temperature	6.20	35.89	24.45	919119	901	919	0.20

Continuous WQ

Indicator: **Water Quality**

Table 5: Indicator Quantile Overview

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Dissolved Oxygen	0.1	13.5	6.12	14928645	5761	14180	0.13
Dissolved Oxygen Saturation	1.6	172.8	82.57	15029298	14257	15011	0.19
pH	5.0	9.0	7.80	15547126	13068	13971	0.17
Salinity	0.0	40.8	23.98	16433443	0	15479	0.09
Water Temperature	8.0	33.8	25.54	38883978	36178	38670	0.19

Indicator: **Water Clarity**

Table 6: Indicator Quantile Overview

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Turbidity	0	503	11.23	14821737	0	14805	0.1

Nekton

Low Quantile

Standard Length

Table 7: Flagged Values - Low Indicator Quantile: **1**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
36630	69	ANM2005070209	2005-07-14	0.9
61965	69	APM1998071401	1998-07-14	0.8
885914	69	APM1999101203	1999-10-12	0.7
413059	69	APM2000091204	2000-09-12	0.9
125202	69	APM2000121205	2000-12-12	0.9
11600	69	APM2001010701	2001-01-11	0.7
2161546	69	APM2001010701	2001-01-11	0.9
423655	69	APM2001010702	2001-01-11	0.9
2161548	69	APM2001010703	2001-01-11	0.9
171938	69	APM2001010706	2001-01-11	0.7
360145	69	APM2001010706	2001-01-11	0.9
463283	69	APM2001010706	2001-01-11	0.9
234423	69	APM2001020503	2001-02-07	0.7
888885	69	APM2001060707	2001-06-15	0.8
38391	69	APM2001090406	2001-09-10	0.9
285745	69	APM2001090408	2001-09-10	0.9
150921	69	APM2002010307	2002-01-08	0.9
65435	69	APM2002010406	2002-01-09	0.9
260106	69	APM2002010406	2002-01-09	0.9
551407	69	APM2002010406	2002-01-09	0.8
799528	69	APM2002010407	2002-01-09	0.9
405099	69	APM2002010408	2002-01-09	0.9
104638	69	APM2002030207	2002-03-07	0.9
127964	69	APM2002080705	2002-08-14	0.9
459590	69	APM2002091101	2002-09-30	0.9
23590	69	APM2002120507	2002-12-11	0.9
2418832	69	APM2002120507	2002-12-11	0.8
2347456	69	APM2002120508	2002-12-11	0.9
137849	69	APM2003010602	2003-01-14	0.9
2347466	69	APM2003011004	2003-01-22	0.9
221878	69	APM2003020801	2003-02-13	0.7
221777	69	APM2003030201	2003-03-10	0.9
761864	69	APM2003030606	2003-03-14	0.6
185439	69	APM2003030705	2003-03-18	0.9
679578	69	APM2003060401	2003-06-10	0.5
76901	69	APM2003060903	2003-06-24	0.8
293551	69	APM2003060903	2003-06-24	0.7
202930	69	APM2003091107	2003-09-25	0.9
13418	69	APM2003110202	2003-11-04	0.9
137204	69	APM2003110208	2003-11-04	0.8
138446	69	APM2003110208	2003-11-04	0.9
23493	69	APM2004010304	2004-01-08	0.9
15564	69	APM2004010305	2004-01-08	0.8
122197	69	APM2004010305	2004-01-08	0.9
202779	69	APM2004010404	2004-01-09	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
160182	69	APM2004051101	2004-05-20	0.9
169278	69	APM2004051101	2004-05-20	0.8
197274	69	APM2004051101	2004-05-20	0.7
198985	69	APM2004051101	2004-05-20	0.9
204445	69	APM2004051101	2004-05-20	0.8
411157	69	APM2004051101	2004-05-20	0.7
450775	69	APM2004051101	2004-05-20	0.9
67365	69	APM2004060401	2004-06-07	0.8
98369	69	APM2004060401	2004-06-07	0.9
107337	69	APM2004060401	2004-06-07	0.9
198396	69	APM2004060401	2004-06-07	0.9
828661	69	APM2004060401	2004-06-07	0.7
2356547	69	APM2004060401	2004-06-07	0.8
178238	69	APM2004070906	2004-07-19	0.9
238914	69	APM2004073401	2004-07-20	0.9
114961	69	APM2004080701	2004-08-20	0.9
161572	69	APM2004080701	2004-08-20	0.8
487179	69	APM2004080701	2004-08-20	0.7
6836	69	APM2004091005	2004-09-24	0.9
313460	69	APM2004110106	2004-11-01	0.9
2364634	69	APM2004110106	2004-11-01	0.7
2440348	69	APM2004110106	2004-11-01	0.8
32829	69	APM2004110203	2004-11-03	0.8
319652	69	APM2004110203	2004-11-03	0.9
520536	69	APM2004110204	2004-11-03	0.9
215901	69	APM2004110509	2004-11-15	0.9
247729	69	APM2004120402	2004-12-08	0.9
2816	69	APM2004120801	2004-12-16	0.9
149119	69	APM2004120801	2004-12-16	0.9
868068	69	APM2005050303	2005-05-09	0.9
621409	69	APM2005060103	2005-06-02	0.8
224544	69	APM2005060302	2005-06-07	0.8
381213	69	APM2005080401	2005-08-09	0.9
1671	69	APM2005080501	2005-08-10	0.8
233872	69	APM2005080503	2005-08-10	0.9
30236	69	APM2005090101	2005-09-01	0.5
57260	69	APM2005090101	2005-09-01	0.6
2373763	69	APM2005090101	2005-09-01	0.6
2389257	69	APM2005090101	2005-09-01	0.9
29886	69	APM2005120305	2005-12-02	0.9
22785	69	APM2006061105	2006-06-20	0.9
90931	69	APM2006080701	2006-08-17	0.9
285280	69	APM2006080702	2006-08-17	0.9
18575	69	APM2006080708	2006-08-17	0.9
58180	69	APM2006080708	2006-08-17	0.7
65292	69	APM2006080904	2006-08-21	0.9
70405	69	APM2006080904	2006-08-21	0.9
89441	69	APM2006080904	2006-08-21	0.9
287276	69	APM2006080904	2006-08-21	0.8
395954	69	APM2006081301	2006-08-31	0.9
87634	69	APM2006090201	2006-09-06	0.8
301669	69	APM2006090704	2006-09-15	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
32050	69	APM2006100506	2006-10-10	0.9
88340	69	APM2006110503	2006-11-09	0.9
154401	69	APM2006110504	2006-11-09	0.9
2487197	69	APM2006110504	2006-11-09	0.8
307662	69	APM2006110906	2006-11-20	0.7
319459	69	APM2006110906	2006-11-20	0.8
153245	69	APM2006120810	2006-12-12	0.9
138597	69	APM2007020407	2007-02-12	0.9
158009	69	APM2007060603	2007-06-12	0.8
225219	69	APM2007060603	2007-06-12	0.9
315752	69	APM2007060603	2007-06-12	0.9
2473914	69	APM2007060604	2007-06-12	0.8
544976	69	APM2007070401	2007-07-09	0.9
300221	69	APM2007070602	2007-07-12	0.9
2457527	69	APM2007070602	2007-07-12	0.8
229710	69	APM2007070901	2007-07-18	0.9
173413	69	APM2007070902	2007-07-18	0.9
297406	69	APM2007080209	2007-08-03	0.9
2459684	69	APM2007080209	2007-08-03	0.8
112285	69	APM2007080210	2007-08-03	0.9
63576	69	APM2007080902	2007-08-15	0.9
193491	69	APM2007080902	2007-08-15	0.8
926846	69	APM2007080905	2007-08-15	0.9
450618	69	APM2007080907	2007-08-15	0.8
217937	69	APM2007080908	2007-08-15	0.9
266744	69	APM2007090402	2007-09-10	0.8
227277	69	APM2007090505	2007-09-11	0.9
2403396	69	APM2007100501	2007-10-10	0.9
562693	69	APM2007110701	2007-11-15	0.7
450856	69	APM2007110704	2007-11-15	0.9
541575	69	APM2007111106	2007-11-28	0.8
1184277	69	APM2007111106	2007-11-28	0.9
153283	69	APM2007111108	2007-11-28	0.8
817759	69	APM2007111108	2007-11-28	0.7
819828	69	APM2007111108	2007-11-28	0.9
2584469	69	APM2007120201	2007-12-04	0.9
2568615	69	APM2007120709	2007-12-11	0.9
371552	69	APM2007121003	2007-12-18	0.9
372051	69	APM2008010901	2008-01-22	0.9
76429	69	APM2008020502	2008-02-11	0.9
119039	69	APM2008030304	2008-03-06	0.8
825034	69	APM2008030304	2008-03-06	0.9
896061	69	APM2008050807	2008-05-19	0.9
119433	69	APM2008051304	2008-05-28	0.9
153905	69	APM2008080210	2008-08-06	0.9
200104	69	APM2008081003	2008-08-20	0.7
2596538	69	APM2008081003	2008-08-20	0.8
89343	69	APM2008081004	2008-08-20	0.8
5119	69	APM2008081307	2008-08-28	0.9
289664	69	APM2008081307	2008-08-28	0.9
97285	69	APM2008091002	2008-09-17	0.7
455877	69	APM2008101004	2008-10-17	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
457898	69	APM2008101004	2008-10-17	0.8
2570697	69	APM2008101004	2008-10-17	0.9
86961	69	APM2008101006	2008-10-17	0.8
129717	69	APM2008101006	2008-10-17	0.9
302649	69	APM2008101006	2008-10-17	0.7
612544	69	APM2008110301	2008-11-04	0.9
678071	69	APM2008110301	2008-11-04	0.7
156282	69	APM2008110304	2008-11-04	0.7
615396	69	APM2008110304	2008-11-04	0.9
612569	69	APM2008110306	2008-11-04	0.9
678094	69	APM2008110306	2008-11-04	0.8
107586	69	APM2008110307	2008-11-04	0.8
874457	69	APM2008110307	2008-11-04	0.9
36579	69	APM2008120802	2008-12-16	0.8
36580	69	APM2008120802	2008-12-16	0.9
17888	69	APM2008120803	2008-12-16	0.7
405229	69	APM2008120803	2008-12-16	0.9
441044	69	APM2008120805	2008-12-16	0.9
308110	69	APM2008120806	2008-12-16	0.9
454414	69	APM2009010705	2009-01-15	0.8
139553	69	APM2009010707	2009-01-15	0.9
296901	69	APM2009010708	2009-01-15	0.7
2446308	69	APM2009020604	2009-02-12	0.9
124221	69	APM2009020904	2009-02-24	0.9
2232960	69	APM2009030403	2009-03-10	0.9
302038	69	APM2009040604	2009-04-15	0.9
145207	69	APM2009050205	2009-05-06	0.9
155956	69	APM2009050507	2009-05-14	0.9
796281	69	APM2009051105	2009-05-27	0.9
2559183	69	APM2009060102	2009-06-01	0.8
177661	69	APM2009060601	2009-06-11	0.9
113333	69	APM2009061102	2009-06-24	0.9
2606505	69	APM2009070701	2009-07-16	0.9
309978	69	APM2009071004	2009-07-28	0.9
222528	69	APM2009071005	2009-07-28	0.9
134907	69	APM2009090502	2009-09-16	0.9
193570	69	APM2009090907	2009-09-24	0.9
2608512	69	APM2009090907	2009-09-24	0.8
427196	69	APM2009100808	2009-10-14	0.9
1044433	69	APM2009100808	2009-10-14	0.8
406002	69	APM2009110709	2009-11-17	0.9
111967	69	APM2009110802	2009-11-18	0.9
141835	69	APM2009110802	2009-11-18	0.8
117357	69	APM2009110807	2009-11-18	0.9
327875	69	APM2009110807	2009-11-18	0.8
191179	69	APM2009120503	2009-12-09	0.8
2598628	69	APM2009120503	2009-12-09	0.9
747771	69	APM2009120504	2009-12-09	0.9
219275	69	APM2009120601	2009-12-14	0.9
562182	69	APM2009120601	2009-12-14	0.8
2167782	69	APM2009120601	2009-12-14	0.7
327670	69	APM2009120602	2009-12-14	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
193393	69	APM2010010303	2010-01-11	0.8
203989	69	APM2010010303	2010-01-11	0.8
203990	69	APM2010010303	2010-01-11	0.5
206114	69	APM2010010303	2010-01-11	0.7
259248	69	APM2010010303	2010-01-11	0.6
451437	69	APM2010010303	2010-01-11	0.9
564161	69	APM2010010303	2010-01-11	0.9
275656	69	APM2010010304	2010-01-11	0.9
212938	69	APM2010010601	2010-01-19	0.7
293789	69	APM2010010601	2010-01-19	0.9
369250	69	APM2010010602	2010-01-19	0.9
1018498	69	APM2010010602	2010-01-19	0.8
710733	69	APM2010010603	2010-01-19	0.9
780242	69	APM2010010603	2010-01-19	0.8
241235	69	APM2010010605	2010-01-19	0.8
569897	69	APM2010010605	2010-01-19	0.9
615201	69	APM2010010606	2010-01-19	0.9
630327	69	APM2010030405	2010-03-05	0.9
967516	69	APM2010030608	2010-03-09	0.9
228234	69	APM2010030801	2010-03-19	0.9
453159	69	APM2010051004	2010-05-18	0.9
344857	69	APM2010051205	2010-05-20	0.6
865434	69	APM2010051205	2010-05-20	0.9
82583	69	APM2010100605	2010-10-11	0.9
2635667	69	APM2010100608	2010-10-11	0.8
87667	69	APM2010101202	2010-10-27	0.8
10456	69	APM2010110206	2010-11-02	0.7
2669224	69	APM2010110206	2010-11-02	0.9
251329	69	APM2010120809	2010-12-15	0.9
2723681	69	APM2010120809	2010-12-15	0.9
15485	69	APM2011030710	2011-03-16	0.8
2669565	69	APM2011040504	2011-04-08	0.9
94448	69	APM2011060602	2011-06-10	0.9
424308	69	APM2011080808	2011-08-15	0.9
2673717	69	APM2011090202	2011-09-08	0.9
489036	69	APM2011090703	2011-09-15	0.9
636817	69	APM2011100505	2011-10-12	0.9
1144476	69	APM2011100505	2011-10-12	0.8
330619	69	APM2011110106	2011-11-01	0.7
353817	69	APM2011110208	2011-11-02	0.8
329086	69	APM2011120608	2011-12-08	0.7
545863	69	APM2011120608	2011-12-08	0.9
875362	69	APM2012010204	2012-01-05	0.9
222936	69	APM2012010205	2012-01-05	0.9
214591	69	APM2012010607	2012-01-17	0.8
232046	69	APM2012010607	2012-01-17	0.8
409734	69	APM2012010607	2012-01-17	0.7
46212	69	APM2012020204	2012-02-02	0.8
237112	69	APM2012020204	2012-02-02	0.9
390233	69	APM2012040203	2012-04-03	0.8
426348	69	APM2012040203	2012-04-03	0.9
2682844	69	APM2012040203	2012-04-03	0.7

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335645	69	APM2012040207	2012-04-03	0.8
415026	69	APM2012050108	2012-05-01	0.7
330477	69	APM2012050209	2012-05-02	0.9
375690	69	APM2012050304	2012-05-03	0.9
330961	69	APM2012050901	2012-05-18	0.9
29381	69	APM2012060602	2012-06-12	0.7
232979	69	APM2012060602	2012-06-12	0.9
253606	69	APM2012060602	2012-06-12	0.8
613187	69	APM2012060602	2012-06-12	0.6
2687458	69	APM2012060602	2012-06-12	0.9
258469	69	APM2012060901	2012-06-14	0.8
379919	69	APM2012060905	2012-06-14	0.6
8078	69	APM2012070902	2012-07-23	0.8
545433	69	APM2012071401	2012-07-31	0.8
417841	69	APM2012080104	2012-08-02	0.9
270472	69	APM2012090605	2012-09-14	0.9
416347	69	APM2012100709	2012-10-16	0.8
2594394	69	APM2012110608	2012-11-07	0.9
110933	69	APM2012110903	2012-11-15	0.9
299429	69	APM2012110903	2012-11-15	0.8
403344	69	APM2012110903	2012-11-15	0.7
488299	69	APM2012110903	2012-11-15	0.5
2759081	69	APM2012111003	2012-11-16	0.9
14012	69	APM2013010601	2013-01-14	0.9
1583033	69	APM2013010705	2013-01-15	0.9
1589212	69	APM2013030701	2013-03-15	0.9
2683890	69	APM2013040401	2013-04-08	0.9
30801	69	APM2013040402	2013-04-08	0.8
76374	69	APM2013080905	2013-08-12	0.9
34792	69	APM2013090501	2013-09-12	0.9
98407	69	APM2013090501	2013-09-12	0.8
93363	69	APM2013090502	2013-09-12	0.7
17558	69	APM2013090704	2013-09-13	0.8
2873465	69	APM2013110304	2013-11-05	0.9
1792515	69	APM2013110606	2013-11-12	0.9
2709133	69	APM2013120103	2013-12-02	0.9
128031	69	APM2013120106	2013-12-02	0.9
314653	69	APM2013120106	2013-12-02	0.8
314654	69	APM2013120106	2013-12-02	0.9
2502060	69	APM2013120106	2013-12-02	0.7
533819	69	APM2013120407	2013-12-05	0.9
1046482	69	APM2013120407	2013-12-05	0.8
74091	69	APM2013120808	2013-12-11	0.8
389081	69	APM2014020805	2014-02-14	0.9
2364301	69	APM2014070801	2014-07-11	0.8
2360025	69	APM2014071505	2014-07-24	0.7
435484	69	APM2014080702	2014-08-11	0.8
2757039	69	APM2014090302	2014-09-04	0.8
141010	69	APM2014090507	2014-09-10	0.8
108335	69	APM2014100204	2014-10-02	0.9
119226	69	APM2014100303	2014-10-03	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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162561	69	APM2014100303	2014-10-03	0.9
217369	69	APM2014100303	2014-10-03	0.9
230785	69	APM2014100303	2014-10-03	0.7
240033	69	APM2014100303	2014-10-03	0.9
303808	69	APM2014100303	2014-10-03	0.8
198247	69	APM2014100803	2014-10-15	0.9
123870	69	APM2014101104	2014-10-23	0.9
266925	69	APM2014101104	2014-10-23	0.8
2379999	69	APM2014101104	2014-10-23	0.7
481565	69	APM2014120705	2014-12-11	0.9
715299	69	APM2015050405	2015-05-06	0.9
187763	69	APM2015050505	2015-05-07	0.9
262470	69	APM2015050505	2015-05-07	0.8
2734092	69	APM2015050505	2015-05-07	0.9
128587	69	APM2015060106	2015-06-01	0.9
377525	69	APM2015070204	2015-07-02	0.8
499801	69	APM2015070204	2015-07-02	0.6
206057	69	APM2015090601	2015-09-09	0.9
183038	69	APM2015090605	2015-09-09	0.9
2408182	69	APM2015090605	2015-09-09	0.7
2689252	69	APM2015090906	2015-09-16	0.8
2836095	69	APM2015090906	2015-09-16	0.9
2978616	69	APM2015090906	2015-09-16	0.7
612024	69	APM2015110101	2015-11-02	0.9
511776	69	APM2015120306	2015-12-07	0.8
2692367	69	APM2015120402	2015-12-08	0.9
843000	69	APM2016010505	2016-01-13	0.8
41977	69	APM2016020202	2016-02-01	0.9
135229	69	APM2016020202	2016-02-01	0.8
45934	69	APM2016020203	2016-02-01	0.6
49882	69	APM2016020203	2016-02-01	0.9
325596	69	APM2016020203	2016-02-01	0.7
2693404	69	APM2016020203	2016-02-01	0.8
43116	69	APM2016020204	2016-02-01	0.9
525802	69	APM2016020204	2016-02-01	0.7
715607	69	APM2016020406	2016-02-02	0.7
835562	69	APM2016040507	2016-04-07	0.9
446775	69	APM2016060804	2016-06-09	0.8
7979	69	APM2016061103	2016-06-15	0.7
54712	69	APM2016061103	2016-06-15	0.8
243892	69	APM2016061103	2016-06-15	0.9
368724	69	APM2016061103	2016-06-15	0.6
180967	69	APM2016080103	2016-08-02	0.8
361892	69	APM2016100503	2016-10-10	0.7
147645	69	APM2016120205	2016-12-02	0.9
364247	69	APM2016120402	2016-12-06	0.8
2992602	69	APM2016120608	2016-12-08	0.9
364430	69	APM2016120704	2016-12-12	0.8
3197871	69	APM2017010306	2017-01-05	0.8
65043	69	APM2017010401	2017-01-06	0.8
312840	69	APM2017010401	2017-01-06	0.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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16854	69	APM2017020110	2017-02-01	0.9
183144	69	APM2017020409	2017-02-02	0.9
210439	69	APM2017030306	2017-03-07	0.8
16067	69	APM2017040107	2017-04-04	0.9
584188	69	APM2017040107	2017-04-04	0.9
457579	69	APM2017060405	2017-06-05	0.6
390509	69	APM2017061302	2017-06-23	0.9
450091	69	APM2017080304	2017-08-02	0.8
374207	69	APM2017090503	2017-09-13	0.6
172078	69	APM2017090504	2017-09-13	0.9
824835	69	APM2017090608	2017-09-13	0.9
673116	69	APM2017090801	2017-09-14	0.8
124412	69	APM2017110105	2017-11-01	0.8
137740	69	APM2017110105	2017-11-01	0.8
151540	69	APM2017110105	2017-11-01	0.9
239307	69	APM2017110105	2017-11-01	0.7
756691	69	APM2018010805	2018-01-16	0.9
1470981	69	APM2018010805	2018-01-16	0.8
1506074	69	APM2018020701	2018-02-14	0.8
1808289	69	APM2018020701	2018-02-14	0.9
1937364	69	APM2018020805	2018-02-14	0.9
1822434	69	APM2018030104	2018-03-05	0.9
1818189	69	APM2018080708	2018-08-13	0.8
1750864	69	APM2018100101	2018-10-01	0.7
1797827	69	APM2018100101	2018-10-01	0.8
1834792	69	APM2018100101	2018-10-01	0.9
770855	69	APM2018101001	2018-10-23	0.9
773927	69	APM2018101001	2018-10-23	0.5
1836087	69	APM2018110601	2018-11-07	0.8
1837921	69	APM2018110601	2018-11-07	0.7
2019429	69	APM2018110602	2018-11-07	0.9
1400870	69	APM2018120601	2018-12-11	0.9
1783498	69	APM2018120601	2018-12-11	0.9
765009	69	APM2019010201	2019-01-03	0.8
1959122	69	APM2019010201	2019-01-03	0.9
1439042	69	APM2019010202	2019-01-03	0.8
1837869	69	APM2019010202	2019-01-03	0.9
1973958	69	APM2019010202	2019-01-03	0.9
2054321	69	APM2019010202	2019-01-03	0.8
765514	69	APM2019010203	2019-01-03	0.8
776580	69	APM2019010203	2019-01-03	0.7
776581	69	APM2019010203	2019-01-03	0.9
1390545	69	APM2019010203	2019-01-03	0.7
1494530	69	APM2019010203	2019-01-03	0.9
1839711	69	APM2019010203	2019-01-03	0.8
1842391	69	APM2019010203	2019-01-03	0.5
770894	69	APM2019010502	2019-01-09	0.9
1805106	69	APM2019020207	2019-02-05	0.9
2054374	69	APM2019020207	2019-02-05	0.8
1437652	69	APM2019020804	2019-02-21	0.8
1466600	69	APM2019070406	2019-07-08	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1858151	69	APM2019071003	2019-07-15	0.9
1966506	69	APM2019080504	2019-08-06	0.9
1664241	69	APM2019080601	2019-08-06	0.7
1803674	69	APM2019080705	2019-08-07	0.7
1439016	69	APM2019080802	2019-08-08	0.8
1852975	69	APM2019080802	2019-08-08	0.7
1832522	69	APM2019081402	2019-08-20	0.9
1840618	69	APM2019081402	2019-08-20	0.7
1416954	69	APM2019090201	2019-09-05	0.8
1843660	69	APM2019090201	2019-09-05	0.9
2039370	69	APM2019090201	2019-09-05	0.9
1748874	69	APM2019090403	2019-09-06	0.5
2064569	69	APM2019090403	2019-09-06	0.8
1456916	69	APM2019090506	2019-09-09	0.9
1460214	69	APM2019090703	2019-09-07	0.9
1958639	69	APM2019110101	2019-11-04	0.9
765499	69	APM2019110701	2019-11-15	0.8
1741261	69	APM2019110701	2019-11-15	0.9
1506722	69	APM2019120202	2019-12-02	0.7
1957351	69	APM2019120202	2019-12-02	0.9
1878667	69	APM2019120203	2019-12-02	0.8
2027128	69	APM2019120303	2019-12-03	0.8
1355508	69	APM2020010105	2020-01-06	0.9
1790438	69	APM2020010105	2020-01-06	0.8
1747053	69	APM2020010106	2020-01-06	0.9
1493586	69	APM2020010210	2020-01-06	0.9
1788884	69	APM2020010210	2020-01-06	0.8
1931826	69	APM2020010210	2020-01-06	0.7
1780265	69	APM2020010212	2020-01-06	0.9
1790954	69	APM2020010302	2020-01-07	0.7
1947926	69	APM2020010302	2020-01-07	0.9
1813103	69	APM2020040201	2020-04-01	0.9
1416100	69	APM2020060403	2020-06-10	0.9
1815263	69	APM2020070901	2020-07-16	0.9
1936443	69	APM2020070901	2020-07-16	0.7
1775499	69	APM2020090706	2020-09-25	0.9
1957134	69	APM2020100205	2020-10-06	0.9
2342442	69	APM2021050801	2021-05-25	0.6
2538821	69	APM2021050801	2021-05-25	0.9
2818295	69	APM2021050801	2021-05-25	0.7
2952263	69	APM2021050801	2021-05-25	0.8
3041233	69	APM2021060602	2021-06-08	0.9
2068159	69	APM2021070403	2021-07-08	0.9
2040121	69	APM2021070404	2021-07-08	0.6
2067923	69	APM2021070404	2021-07-08	0.7
2334799	69	APM2021070404	2021-07-08	0.9
2370059	69	APM2021070404	2021-07-08	0.8
2380220	69	APM2021070404	2021-07-08	0.7
2945106	69	APM2021070404	2021-07-08	0.8
3170599	69	APM2021070404	2021-07-08	0.9
851899	69	APM2021070405	2021-07-08	0.8
3184148	69	APM2021070405	2021-07-08	0.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1552105	69	APM2021090301	2021-09-10	0.9
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2054851	69	APM2021100102	2021-10-01	0.9
3227385	69	APM2022010201	2022-01-13	0.7
2816990	69	APM2022010202	2022-01-13	0.8
2811981	69	APM2022010303	2022-01-19	0.9
2496581	69	APM2022060304	2022-06-02	0.8
2933679	69	APM2022070205	2022-07-05	0.8
2043430	69	APM2022070801	2022-07-19	0.5
2046118	69	APM2022070801	2022-07-19	0.9
2170456	69	APM2022070801	2022-07-19	0.6
2808564	69	APM2022070801	2022-07-19	0.8
2983921	69	APM2022070801	2022-07-19	0.7
2974617	69	APM2022071004	2022-07-22	0.8
2990682	69	APM2022071004	2022-07-22	0.9
2043477	69	APM2022071202	2022-07-25	0.9
2936877	69	APM2022080202	2022-08-05	0.7
2106123	69	APM2022080203	2022-08-05	0.6
2246542	69	APM2022110503	2022-11-03	0.7
2618990	69	APM2022110503	2022-11-03	0.8
2818655	69	APM2022110503	2022-11-03	0.6
2818656	69	APM2022110503	2022-11-03	0.9
2819355	69	APM2022110706	2022-11-07	0.8
3252298	69	APM2022110706	2022-11-07	0.9
212256	69	BBM2009070103	2009-07-10	0.9
220537	69	BBM2009070108	2009-07-10	0.9
245915	69	BBM2009070203	2009-07-13	0.8
466986	69	BBM2009100107	2009-10-26	0.8
814602	69	BBM2010050303	2010-05-06	0.8
327004	69	BBM2011050201	2011-05-10	0.3
537250	69	BBM2013110201	2013-11-07	0.9
2886181	69	BBM2013110201	2013-11-07	0.8
377192	69	BBM2014060103	2014-06-17	0.9
355911	69	BBM2014060110	2014-06-17	0.9
2526727	69	BBM2014070303	2014-07-18	0.9
956645	69	BBM2014070407	2014-07-22	0.9
518864	69	BBM2015110202	2015-11-16	0.9
1803828	69	BBM2019060102	2019-06-14	0.9
1946148	69	BBM2019060115	2019-06-14	0.9
1862875	69	BBM2019070303	2019-07-23	0.9
2045526	69	BBM2020090106	2020-09-03	0.9
3472625	69	BBM2021070105	2021-07-08	0.9
332325	69	CHM1989050906	1989-05-09	0.9
1613038	69	CHM1991051307	1991-05-13	0.9
531898	69	CHM1991100101	1991-10-01	0.9
1170906	69	CHM1991102110	1991-10-21	0.9
489027	69	CHM1992102405	1992-10-24	0.6
1287963	69	CHM1992102605	1992-10-26	0.9
561252	69	CHM1992102701	1992-10-27	0.8
2350807	69	CHM1992102704	1992-10-27	0.8
472558	69	CHM1992102706	1992-10-27	0.9
527349	69	CHM1992102707	1992-10-27	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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336712	69	CHM1994092614	1994-09-26	0.9
383932	69	CHM1994100403	1994-10-04	0.7
466600	69	CHM1994100403	1994-10-04	0.9
1269205	69	CHM1994100403	1994-10-04	0.6
391054	69	CHM1994100406	1994-10-04	0.6
474535	69	CHM1994100406	1994-10-04	0.8
2101044	69	CHM1994100406	1994-10-04	0.5
445546	69	CHM1994100407	1994-10-04	0.9
490021	69	CHM1994100407	1994-10-04	0.8
1004726	69	CHM1994100407	1994-10-04	0.6
1039835	69	CHM1994100407	1994-10-04	0.7
610310	69	CHM1994100408	1994-10-04	0.7
613289	69	CHM1994100409	1994-10-04	0.9
1272589	69	CHM1994100409	1994-10-04	0.7
1618064	69	CHM1994100409	1994-10-04	0.9
2396802	69	CHM1994100409	1994-10-04	0.8
1291953	69	CHM1994100410	1994-10-04	0.9
498369	69	CHM1994100413	1994-10-04	0.8
622648	69	CHM1994101010	1994-10-10	0.9
1213357	69	CHM1995050202	1995-05-02	0.9
1356845	69	CHM1995102408	1995-10-24	0.9
253510	69	CHM1996101807	1996-10-18	0.9
964042	69	CHM1997121902	1997-12-19	0.7
842080	69	CHM1998100703	1998-10-07	0.9
261839	69	CHM1999100502	1999-10-05	0.8
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1603896	69	CHM2006110504	2006-11-09	0.9
2653536	69	CHM2007060405	2007-06-13	0.9
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403307	69	CHM2010050906	2010-05-13	0.9
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405266	69	CHM2010060211	2010-06-09	0.6
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795753	69	CHM2010100404	2010-10-15	0.9
2373194	69	CHM2010100404	2010-10-15	0.6
281797	69	CHM2010100409	2010-10-15	0.9
451721	69	CHM2011041303	2011-04-22	0.6
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1267159	69	CHM2012080601	2012-08-13	0.9
817994	69	CHM2012080607	2012-08-13	0.8
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3249125	69	CHM2012090506	2012-09-18	0.8
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1391637	69	CHM2013101505	2013-10-28	0.8
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729462	69	CHM2017080508	2017-08-04	0.5
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1881346	69	CHM2020100201	2020-10-27	0.7
1969207	69	CHM2020100201	2020-10-27	0.7
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2088704	69	CHM2020100201	2020-10-27	0.9
2242020	69	CHM2020100201	2020-10-27	0.8
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2276337	69	CHM2022070602	2022-07-08	0.9
2332947	69	CHM2022101304	2022-10-24	0.9
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679159	69	CKM1996071703	1996-07-17	0.8
835749	69	CKM1996080201	1996-08-02	0.9
1230741	69	CKM1996091007	1996-09-10	0.8
1474209	69	CKM1996091007	1996-09-10	0.9
1633950	69	CKM1996101104	1996-10-11	0.8
686898	69	CKM1997050512	1997-05-05	0.7
500099	69	CKM1997062305	1997-06-23	0.9
1477732	69	CKM2001090902	2001-09-20	0.9
493905	69	CKM2001090903	2001-09-20	0.9
200501	69	CKM2002030105	2002-03-06	0.9
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2214644	69	CKM2004050905	2004-05-25	0.8
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463576	69	CKM2005060701	2005-06-14	0.7
2647549	69	CKM2005060701	2005-06-14	0.9
897029	69	CKM2005060702	2005-06-14	0.5
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950918	69	CKM2006070501	2006-07-06	0.9
400285	69	CKM2006080408	2006-08-04	0.9
1129289	69	CKM2007060704	2007-06-14	0.9
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2635368	69	CKM2007090101	2007-09-04	0.9

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1301531	69	CKM2008080205	2008-08-04	0.9
1177893	69	CKM2008080402	2008-08-05	0.9
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583615	69	CKM2009080702	2009-08-18	0.8
636560	69	CKM2009110106	2009-11-02	0.6
1193922	69	CKM2010050306	2010-05-11	0.9
1533959	69	CKM2010070702	2010-07-14	0.9
693519	69	CKM2010070704	2010-07-14	0.7
1103197	69	CKM2010070704	2010-07-14	0.5
1545337	69	CKM2010070704	2010-07-14	0.9
1619047	69	CKM2010070704	2010-07-14	0.4
2715386	69	CKM2010070704	2010-07-14	0.6
919970	69	CKM2011050707	2011-05-12	0.7
1652505	69	CKM2011090606	2011-09-12	0.9
999326	69	CKM2012010502	2012-01-10	0.9
1093803	69	CKM2012040603	2012-04-11	0.7
911172	69	CKM2012070802	2012-07-13	0.9
441061	69	CKM2012070803	2012-07-13	0.8
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1291145	69	CKM2013090301	2013-09-11	0.9
703684	69	CKM2014060304	2014-06-03	0.9
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2531189	69	CKM2014060304	2014-06-03	0.7
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421630	69	CKM2016120608	2016-12-09	0.8
330238	69	CKM2017050805	2017-05-17	0.7
1251979	69	CKM2017080702	2017-08-11	0.4
363550	69	CKM2017080709	2017-08-11	0.9
1825550	69	CKM2018010201	2018-01-09	0.9
2358271	69	CKM2018060505	2018-06-07	0.8
777938	69	CKM2018090804	2018-09-12	0.9
1516013	69	CKM2019060807	2019-06-17	0.8
1959539	69	CKM2019060807	2019-06-17	0.7
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1869180	69	CZM2007070104	2007-07-31	0.9
635008	69	HIM2010090101	2010-09-16	0.9
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2889609	69	IRM2003020309	2003-02-06	0.9
1268833	69	IRM2003030408	2003-03-11	0.9
1200365	69	IRM2003070201	2003-07-02	0.8
625239	69	IRM2003070503	2003-07-08	0.8
1258074	69	IRM2004010605	2004-01-20	0.8
3029568	69	IRM2004010605	2004-01-20	0.9
1066501	69	IRM2004010608	2004-01-20	0.7
1071327	69	IRM2004060806	2004-06-17	0.9
636161	69	IRM2005010410	2005-01-10	0.9
1597529	69	IRM2005060806	2005-06-15	0.9
1293346	69	IRM2005100402	2005-10-11	0.9
1606369	69	IRM2005100408	2005-10-11	0.8
3416004	69	IRM2005110107	2005-11-01	0.8
975767	69	IRM2006050504	2006-05-09	0.8
1064499	69	IRM2006070105	2006-07-03	0.9
1282779	69	IRM2006090306	2006-09-08	0.8
685286	69	IRM2006090902	2006-09-22	0.9
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1262144	69	IRM2006110405	2006-11-08	0.9
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714645	69	IRM2013020803	2013-02-21	0.9
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596293	69	IRM2013091303	2013-09-24	0.9
920318	69	IRM2013110405	2013-11-05	0.9
978344	69	IRM2014020108	2014-02-03	0.8
840404	69	IRM2014020702	2014-02-11	0.6
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799443	69	IRM2014051101	2014-05-13	0.9
993533	69	IRM2014051104	2014-05-13	0.9
3258140	69	IRM2014070302	2014-07-02	0.9
964668	69	IRM2014091302	2014-09-19	0.8
971977	69	IRM2014101406	2014-10-16	0.9
861264	69	IRM2015040906	2015-04-14	0.9
558392	69	IRM2015041402	2015-04-21	0.9
806069	69	IRM2015041402	2015-04-21	0.8
840726	69	IRM2015051301	2015-05-19	0.9

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1461488	69	IRM2016091103	2016-09-28	0.9
868910	69	IRM2016091105	2016-09-28	0.9
861175	69	IRM2016120707	2016-12-12	0.9
909683	69	IRM2017010306	2017-01-09	0.9
1011847	69	IRM2017010306	2017-01-09	0.8
1435733	69	IRM2017030405	2017-03-06	0.9
2225761	69	IRM2017030408	2017-03-06	0.9
1171699	69	IRM2017060206	2017-06-02	0.9
2182692	69	IRM2017081101	2017-08-18	0.8
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1610779	69	IRM2017091203	2017-09-25	0.9
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2228008	69	IRM2017100506	2017-10-09	0.9
2397927	69	IRM2018020707	2018-02-21	0.9
2746996	69	IRM2018030202	2018-03-02	0.9
2691102	69	IRM2018030401	2018-03-06	0.9
848563	69	IRM2018050802	2018-05-17	0.8
2696209	69	IRM2018050802	2018-05-17	0.9
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850399	69	IRM2018080403	2018-08-06	0.9
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1993327	69	IRM2018101304	2018-10-19	0.9
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847764	69	IRM2020100801	2020-10-14	0.8
3068664	69	IRM2020100804	2020-10-14	0.9
851973	69	IRM2020120402	2020-12-07	0.6
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1909260	69	IRM2020120402	2020-12-07	0.9
2119897	69	IRM2020120402	2020-12-07	0.8
2177265	69	IRM2020120402	2020-12-07	0.7
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1300286	69	JXM2002090804	2002-09-19	0.8
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1196996	69	JXM2002120503	2002-12-16	0.8
2141959	69	JXM2003030206	2003-03-05	0.9
603335	69	JXM2003050503	2003-05-13	0.9
634110	69	JXM2003050601	2003-05-15	0.9
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998481	69	JXM2003110305	2003-11-12	0.9
653093	69	JXM2003110308	2003-11-12	0.9

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1291188	69	JXM2004110307	2004-11-04	0.8
891361	69	JXM2004110509	2004-11-10	0.8
1010265	69	JXM2004111104	2004-11-23	0.8
1544545	69	JXM2004111104	2004-11-23	0.9
652102	69	JXM2004120207	2004-12-02	0.8
1540952	69	JXM2004120207	2004-12-02	0.9
1017792	69	JXM2004120208	2004-12-02	0.7
1310202	69	JXM2004120208	2004-12-02	0.9
2208247	69	JXM2004120208	2004-12-02	0.8
1017793	69	JXM2004120209	2004-12-02	0.8
1125810	69	JXM2004120209	2004-12-02	0.9
1231735	69	JXM2004120209	2004-12-02	0.6
1434453	69	JXM2004120209	2004-12-02	0.7
605489	69	JXM2004120604	2004-12-09	0.9
1155541	69	JXM2005050408	2005-05-11	0.8
1120738	69	JXM2005060708	2005-06-20	0.5
2183898	69	JXM2005080501	2005-08-08	0.8
1020418	69	JXM2005090404	2005-09-19	0.9
2183909	69	JXM2005090505	2005-09-09	0.9
663519	69	JXM2005100309	2005-10-26	0.8
1333488	69	JXM2005110201	2005-11-08	0.8
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1355295	69	JXM2005110310	2005-11-09	0.8
787826	69	JXM2005120202	2005-12-13	0.7
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1590396	69	JXM2006070303	2006-07-14	0.7
1359112	69	JXM2006070402	2006-07-20	0.7
1463841	69	JXM2006100403	2006-10-26	0.8
1340989	69	JXM2007090107	2007-09-10	0.7
673481	69	JXM2007110506	2007-11-13	0.7
1124344	69	JXM2007110506	2007-11-13	0.8
1233161	69	JXM2007110506	2007-11-13	0.9
1525537	69	JXM2008020406	2008-02-21	0.9
1652182	69	JXM2008020406	2008-02-21	0.9
2277555	69	JXM2008030402	2008-03-17	0.9
1011077	69	JXM2008050403	2008-05-08	0.8
1308525	69	JXM2008060305	2008-06-06	0.9
689576	69	JXM2008120204	2008-12-08	0.6
1788634	69	JXM2008120204	2008-12-08	0.9
730775	69	JXM2009010206	2009-01-09	0.9
800691	69	JXM2009010208	2009-01-09	0.9
1266712	69	JXM2009010305	2009-01-12	0.9
1568044	69	JXM2009010305	2009-01-12	0.9
710857	69	JXM2009080201	2009-08-24	0.8
857521	69	JXM2009080201	2009-08-24	0.9
881011	69	JXM2009080201	2009-08-24	0.7

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550747	69	JXM2010020306	2010-02-02	0.9
1070220	69	JXM2010020306	2010-02-02	0.9
1051529	69	JXM2010040407	2010-04-20	0.9
578080	69	JXM2010050405	2010-05-18	0.6
768309	69	JXM2010050405	2010-05-18	0.6
768310	69	JXM2010050405	2010-05-18	0.9
796719	69	JXM2010050405	2010-05-18	0.7
1283371	69	JXM2010050405	2010-05-18	0.9
2297147	69	JXM2010050405	2010-05-18	0.8
882448	69	JXM2010060302	2010-06-02	0.8
557415	69	JXM2010081303	2010-08-27	0.9
899154	69	JXM2010090208	2010-09-09	0.9
584486	69	JXM2010090403	2010-09-08	0.9
2151676	69	JXM2010100209	2010-10-08	0.9
1076148	69	JXM2010111203	2010-11-23	0.9
1264339	69	JXM2011020202	2011-02-03	0.8
564166	69	JXM2011020508	2011-02-23	0.8
1023938	69	JXM2011081303	2011-08-19	0.9
761549	69	JXM2011081305	2011-08-19	0.9
1228258	69	JXM2011081305	2011-08-19	0.7
1276986	69	JXM2011081305	2011-08-19	0.8
2297617	69	JXM2012010301	2012-01-25	0.9
1346531	69	JXM2012010404	2012-01-05	0.9
1152842	69	JXM2012030304	2012-03-28	0.9
987003	69	JXM2012030409	2012-03-16	0.9
1334208	69	JXM2012040401	2012-04-10	0.9
564602	69	JXM2012070305	2012-07-23	0.9
920212	69	JXM2012070305	2012-07-23	0.8
601287	69	JXM2012071301	2012-07-31	0.8
601288	69	JXM2012071301	2012-07-31	0.9
810689	69	JXM2012071301	2012-07-31	0.7
2382343	69	JXM2012071301	2012-07-31	0.7
948437	69	JXM2012091302	2012-09-13	0.9
1275136	69	JXM2012091302	2012-09-13	0.8
1154535	69	JXM2012100409	2012-10-15	0.8
2394230	69	JXM2013020201	2013-02-27	0.8
1675542	69	JXM2013020406	2013-02-22	0.8
965826	69	JXM2013080306	2013-08-27	0.9
1347564	69	JXM2013080306	2013-08-27	0.9
1407093	69	JXM2013080306	2013-08-27	0.8
600467	69	JXM2013090503	2013-09-23	0.9
1058907	69	JXM2013110509	2013-11-19	0.9
1692684	69	JXM2013110509	2013-11-19	0.7
942789	69	JXM2014050408	2014-05-29	0.9
628298	69	JXM2014070304	2014-07-10	0.8
2096836	69	JXM2014070304	2014-07-10	0.6
2168931	69	JXM2014070304	2014-07-10	0.9
989046	69	JXM2014100503	2014-10-02	0.7
993196	69	JXM2015020402	2015-02-09	0.9
549856	69	JXM2015040503	2015-04-28	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1339210	69	JXM2015040503	2015-04-28	0.9
831470	69	JXM2015040506	2015-04-28	0.9
944027	69	JXM2015040506	2015-04-28	0.7
1094455	69	JXM2015090308	2015-09-22	0.8
1050540	69	JXM2015110406	2015-11-23	0.9
2378908	69	JXM2016050601	2016-05-04	0.8
1074426	69	JXM2016060308	2016-06-02	0.7
1194668	69	JXM2016060308	2016-06-02	0.6
1194669	69	JXM2016060308	2016-06-02	0.7
2097139	69	JXM2016060308	2016-06-02	0.9
944214	69	JXM2016060309	2016-06-02	0.9
1072494	69	JXM2016060309	2016-06-02	0.7
614362	69	JXM2016100504	2016-10-14	0.8
603982	69	JXM2017030202	2017-03-16	0.7
955984	69	JXM2017030202	2017-03-16	0.9
2354760	69	JXM2017030202	2017-03-16	0.8
968084	69	JXM2017050303	2017-05-01	0.7
1173861	69	JXM2017050303	2017-05-01	0.9
1202168	69	JXM2017050303	2017-05-01	0.5
1394907	69	JXM2017050303	2017-05-01	0.8
2407459	69	JXM2017090201	2017-09-07	0.8
591458	69	JXM2017090407	2017-09-21	0.7
570325	69	JXM2017090508	2017-09-06	0.7
901122	69	JXM2017090508	2017-09-06	0.5
920135	69	JXM2017090508	2017-09-06	0.9
941577	69	JXM2017090508	2017-09-06	0.6
2385633	69	JXM2017090508	2017-09-06	0.8
794971	69	JXM2017090509	2017-09-06	0.8
807205	69	JXM2017090509	2017-09-06	0.5
1352775	69	JXM2017090509	2017-09-06	0.9
863193	69	JXM2017110409	2017-11-20	0.8
972580	69	JXM2017110409	2017-11-20	0.9
1405708	69	JXM2017110409	2017-11-20	0.7
929777	69	JXM2017120610	2017-12-05	0.7
1330459	69	JXM2017120610	2017-12-05	0.9
2377930	69	JXM2018011201	2018-01-17	0.9
2037325	69	JXM2018020306	2018-02-15	0.9
1923926	69	JXM2018040207	2018-04-24	0.9
2112317	69	JXM2018040207	2018-04-24	0.8
2066313	69	JXM2018040402	2018-04-25	0.8
2447480	69	JXM2018050509	2018-05-14	0.9
855843	69	JXM2018060309	2018-06-06	0.9
1914062	69	JXM2018060309	2018-06-06	0.5
1915940	69	JXM2018070304	2018-07-05	0.7
2155702	69	JXM2018070304	2018-07-05	0.9
2209661	69	JXM2018070304	2018-07-05	0.8
2204703	69	JXM2018090206	2018-09-10	0.9
2288355	69	JXM2018090206	2018-09-10	0.7
1925539	69	JXM2018100304	2018-10-12	0.8
2457996	69	JXM2018100304	2018-10-12	0.9
1551770	69	JXM2018100305	2018-10-12	0.7
2254923	69	JXM2018100305	2018-10-12	0.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2757571	69	JXM2018100305	2018-10-12	0.9
2983028	69	JXM2018100305	2018-10-12	0.8
3134512	69	JXM2018100305	2018-10-12	0.6
855139	69	JXM2018100502	2018-10-11	0.7
1927537	69	JXM2018100502	2018-10-11	0.8
1999981	69	JXM2018100502	2018-10-11	0.9
2100332	69	JXM2018110407	2018-11-19	0.9
2102619	69	JXM2018120308	2018-12-18	0.9
2005882	69	JXM2019010408	2019-01-09	0.9
2011292	69	JXM2019010408	2019-01-09	0.8
2019021	69	JXM2019010408	2019-01-09	0.7
2471515	69	JXM2019020306	2019-02-07	0.7
2881377	69	JXM2019030402	2019-03-11	0.9
2021396	69	JXM2019050304	2019-05-16	0.8
2378762	69	JXM2019050304	2019-05-16	0.9
3040401	69	JXM2019050304	2019-05-16	0.7
2028940	69	JXM2019050506	2019-05-15	0.8
2037922	69	JXM2019080202	2019-08-08	0.9
3371922	69	JXM2019080301	2019-08-05	0.8
2023581	69	JXM2019110407	2019-11-18	0.9
2092656	69	JXM2019110407	2019-11-18	0.8
2422024	69	JXM2020010304	2020-01-06	0.9
2638860	69	JXM2020100406	2020-10-13	0.9
2290248	69	JXM2020110303	2020-11-20	0.5
2586650	69	JXM2020110303	2020-11-20	0.8
2591448	69	JXM2020110303	2020-11-20	0.6
2622647	69	JXM2020110303	2020-11-20	0.7
2075689	69	JXM2020120306	2020-12-02	0.8
2075690	69	JXM2020120306	2020-12-02	0.9
2294149	69	JXM2021020506	2021-02-10	0.8
2087068	69	JXM2021040403	2021-04-23	0.7
1554681	69	JXM2021050307	2021-05-10	0.9
1735862	69	JXM2021050307	2021-05-10	0.9
1982289	69	JXM2021050307	2021-05-10	0.9
2242019	69	JXM2021060304	2021-06-02	0.9
1741668	69	JXM2021070301	2021-07-13	0.9
2089052	69	JXM2021070303	2021-07-13	0.9
2365226	69	JXM2021070304	2021-07-13	0.8
2422956	69	JXM2021070304	2021-07-13	0.9
2374265	69	JXM2022090406	2022-09-27	0.7
2183365	69	JXM2022090409	2022-09-27	0.9
2237856	69	JXM2022110302	2022-11-17	0.8
2336929	69	JXM2022110302	2022-11-17	0.9
2310451	69	JXM2022110303	2022-11-17	0.5
2596244	69	JXM2022110303	2022-11-17	0.6
2699415	69	JXM2022110303	2022-11-17	0.8
2980001	69	JXM2022110303	2022-11-17	0.9
2181714	69	JXM2022110307	2022-11-17	0.9
2353944	69	JXM2022110307	2022-11-17	0.8
2429717	69	JXM2022110307	2022-11-17	0.7
2255009	69	JXM2022110407	2022-11-21	0.8
2677848	69	JXM2022110407	2022-11-21	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1393011	69	KYM2000080102	2000-08-01	0.9
1512782	69	SAM2014060101	2014-06-19	0.9
781397	69	SAM2016110103	2016-11-15	0.9
2632778	69	SAM2019070209	2019-07-18	0.9
640305	69	TBM1989052302	1989-05-23	0.9
791141	69	TBM1989092703	1989-09-27	0.9
1176563	69	TBM1989092707	1989-09-27	0.8
1395325	69	TBM1989092707	1989-09-27	0.9
1441229	69	TBM1989092708	1989-09-27	0.9
793438	69	TBM1989092709	1989-09-27	0.9
1000444	69	TBM1989092709	1989-09-27	0.7
1128345	69	TBM1989092709	1989-09-27	0.9
1441232	69	TBM1989092709	1989-09-27	0.8
970024	69	TBM1989101002	1989-10-10	0.8
1081467	69	TBM1989101002	1989-10-10	0.9
908819	69	TBM1989101008	1989-10-10	0.8
1005672	69	TBM1989101101	1989-10-11	0.9
1403211	69	TBM1989101102	1989-10-11	0.8
812647	69	TBM1989101104	1989-10-11	0.9
1105653	69	TBM1990042307	1990-04-23	0.9
871028	69	TBM1990060501	1990-06-05	0.9
907871	69	TBM1990060501	1990-06-05	0.8
1341203	69	TBM1990060501	1990-06-05	0.7
943068	69	TBM1990060502	1990-06-05	0.6
2110305	69	TBM1990060502	1990-06-05	0.9
822155	69	TBM1990060503	1990-06-05	0.8
896024	69	TBM1990060503	1990-06-05	0.8
1216546	69	TBM1990060503	1990-06-05	0.9
2458197	69	TBM1990060703	1990-06-07	0.9
1283999	69	TBM1990101502	1990-10-15	0.9
1009873	69	TBM1990111310	1990-11-13	0.9
791502	69	TBM1990120312	1990-12-03	0.8
1804744	69	TBM1990120312	1990-12-03	0.8
613531	69	TBM1991042908	1991-04-29	0.6
962589	69	TBM1991042908	1991-04-29	0.7
1350828	69	TBM1991042908	1991-04-29	0.8
1240266	69	TBM1991042913	1991-04-29	0.9
2504740	69	TBM1991042913	1991-04-29	0.7
1121096	69	TBM1991052007	1991-05-20	0.9
1341764	69	TBM1991100701	1991-10-07	0.9
834742	69	TBM1991100702	1991-10-07	0.9
877244	69	TBM1991100702	1991-10-07	0.8
941640	69	TBM1991100702	1991-10-07	0.9
1393001	69	TBM1992102605	1992-10-26	0.9
1066166	69	TBM1992102607	1992-10-26	0.9
887055	69	TBM1993051815	1993-05-18	0.8
2506016	69	TBM1993051901	1993-05-19	0.9
988008	69	TBM1993051926	1993-05-19	0.9
1338171	69	TBM1993051926	1993-05-19	0.8
828939	69	TBM1993060201	1993-06-02	0.9
881894	69	TBM1993060201	1993-06-02	0.9
596531	69	TBM1994052305	1994-05-23	0.9

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RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
906541	69	TBM1994052306	1994-05-23	0.9
2211193	69	TBM1994092601	1994-09-26	0.9
613738	69	TBM1997041718	1997-04-17	0.9
989466	69	TBM1997041718	1997-04-17	0.8
1221412	69	TBM1997041718	1997-04-17	0.7
1005989	69	TBM1997080714	1997-08-07	0.8
1523768	69	TBM1997080714	1997-08-07	0.5
1779740	69	TBM1997080714	1997-08-07	0.9
916295	69	TBM1997091217	1997-09-12	0.9
1169642	69	TBM1997100808	1997-10-08	0.9
648534	69	TBM1998052017	1998-05-20	0.9
1010870	69	TBM1998061804	1998-06-18	0.9
1160865	69	TBM1999061412	1999-06-14	0.7
1557096	69	TBM1999081201	1999-08-12	0.8
946182	69	TBM1999091405	1999-09-14	0.9
1569310	69	TBM2000041316	2000-04-13	0.9
1335489	69	TBM2000041317	2000-04-13	0.8
613890	69	TBM2000081004	2000-08-10	0.6
1020814	69	TBM2000081004	2000-08-10	0.8
1284308	69	TBM2000081004	2000-08-10	0.9
1464202	69	TBM2000081004	2000-08-10	0.6
2226279	69	TBM2000081004	2000-08-10	0.5
2578720	69	TBM2001080708	2001-08-07	0.9
1382127	69	TBM2001080710	2001-08-07	0.7
1570477	69	TBM2002101802	2002-10-29	0.9
1824680	69	TBM2004050114	2004-05-04	0.9
1674010	69	TBM2004101302	2004-10-15	0.7
1442673	69	TBM2005080703	2005-08-05	0.9
1760888	69	TBM2005080703	2005-08-05	0.8
691254	69	TBM2006070801	2006-07-03	0.9
1302598	69	TBM2006070801	2006-07-03	0.7
1340722	69	TBM2006070811	2006-07-03	0.9
1832062	69	TBM2006080405	2006-08-01	0.8
1502001	69	TBM2006090113	2006-09-26	0.9
783735	69	TBM2006100601	2006-10-03	0.8
1508545	69	TBM2008040406	2008-04-14	0.9
1692224	69	TBM2008060405	2008-06-02	0.9
1887890	69	TBM2008060407	2008-06-02	0.9
692820	69	TBM2008061204	2008-06-10	0.9
1665337	69	TBM2008061204	2008-06-10	0.9
1484122	69	TBM2008070601	2008-07-02	0.8
1618332	69	TBM2008080306	2008-08-13	0.7
1298993	69	TBM2009051009	2009-05-07	0.9
1902274	69	TBM2009080404	2009-08-12	0.9
1860716	69	TBM2009081003	2009-08-19	0.9
2627307	69	TBM2009090905	2009-09-23	0.6
1766728	69	TBM2010060905	2010-06-03	0.9
1380641	69	TBM2010100104	2010-10-04	0.9
1425125	69	TBM2010100503	2010-10-05	0.9
695446	69	TBM2011051306	2011-05-17	0.9
1439792	69	TBM2011051306	2011-05-17	0.8
1458693	69	TBM2011051306	2011-05-17	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1549381	69	TBM2011051306	2011-05-17	0.7
2562474	69	TBM2011051306	2011-05-17	0.8
773390	69	TBM2012050901	2012-05-10	0.9
1635498	69	TBM2012071103	2012-07-17	0.9
1861989	69	TBM2012071103	2012-07-17	0.9
1763367	69	TBM2012080802	2012-08-15	0.9
1500232	69	TBM2012091101	2012-09-13	0.9
1849856	69	TBM2012091403	2012-09-19	0.7
1946215	69	TBM2012091403	2012-09-19	0.8
726103	69	TBM2013090606	2013-09-13	0.9
1348685	69	TBM2013100604	2013-10-07	0.7
1397574	69	TBM2013100611	2013-10-07	0.9
1772170	69	TBM2014070408	2014-07-07	0.8
1219385	69	TBM2015081305	2015-08-20	0.9
1628901	69	TBM2016050202	2016-05-11	0.8
1819645	69	TBM2016050202	2016-05-11	0.6
2660978	69	TBM2016050202	2016-05-11	0.7
735928	69	TBM2016110209	2016-11-14	0.8
1593679	69	TBM2017070402	2017-07-14	0.8
1712437	69	TBM2017070402	2017-07-14	0.9
2363622	69	TBM2019060312	2019-06-05	0.8
2410308	69	TBM2019071205	2019-07-11	0.8
2577933	69	TBM2019080203	2019-08-02	0.8
2506773	69	TBM2019101503	2019-10-11	0.9
2612458	69	TBM2019110309	2019-11-06	0.9
3110421	69	TBM2020071111	2020-07-06	0.9
2672246	69	TBM2020071202	2020-07-20	0.9
2736254	69	TBM2020090206	2020-09-15	0.8
2229450	69	TBM2022091103	2022-09-08	0.9
3424723	69	WWM2004070103	2004-07-13	0.9

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program

There are no *Low* Quantile Flagged Values for Count

There are no *Low* Quantile Flagged Values for Presence/Absence

High Quantile

Standard Length

Table 8: Flagged Values - High Indicator Quantile: **67.5**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
50571	69	APM1999040801	1999-04-08	69.8
214665	69	APM2001030202	2001-03-02	69.0
308820	69	APM2004070406	2004-07-07	69.0
54014	69	APM2012070701	2012-07-17	74.5
331215	69	APM2012070701	2012-07-17	76.5
415869	69	APM2012070701	2012-07-17	79.0
521953	69	APM2012070701	2012-07-17	77.0
401791	69	APM2012070702	2012-07-17	84.0
682716	69	APM2012070702	2012-07-17	80.5
2791924	69	APM2012110504	2012-11-06	83.1
2346114	69	APM2013060603	2013-06-07	78.0
1731652	69	APM2013070205	2013-07-02	75.2
73742	69	APM2013081104	2013-08-15	80.2
82624	69	APM2013090906	2013-09-17	75.0
1609968	69	APM2013101005	2013-10-15	77.8
139189	69	APM2014051101	2014-05-20	84.5
2512476	69	APM2014070103	2014-07-01	100.0
314280	69	APM2014090901	2014-09-17	74.5
798175	69	APM2015070802	2015-07-09	77.5
2523507	69	APM2015090801	2015-09-11	73.5
430857	69	APM2015100601	2015-10-08	83.0
458889	69	APM2015100601	2015-10-08	79.0
143955	69	APM2016060601	2016-06-07	73.5
47881	69	APM2016060903	2016-06-10	82.3
48977	69	APM2016061003	2016-06-13	80.0
779925	69	APM2016080203	2016-08-02	84.0
3183109	69	APM2016080205	2016-08-02	71.0
92631	69	APM2016080506	2016-08-04	82.0
113190	69	APM2017061405	2017-06-26	79.1
83089	69	APM2017081201	2017-08-15	83.5
136395	69	APM2017081201	2017-08-15	76.0
202573	69	APM2017091005	2017-09-15	85.3
233494	69	APM2017101206	2017-10-17	76.0
1806902	69	APM2018070301	2018-07-03	83.3
2016961	69	APM2018071104	2018-07-11	75.2
1860942	69	APM2018080305	2018-08-07	79.2
776568	69	APM2018090202	2018-09-07	68.6
2041205	69	APM2018090202	2018-09-07	72.3
1934887	69	APM2018090204	2018-09-07	76.0
1519478	69	APM2018090901	2018-09-19	77.6
1884672	69	APM2018100302	2018-10-03	71.1
1620196	69	APM2019070101	2019-07-02	87.7
1967877	69	APM2019070106	2019-07-02	74.3
1795767	69	APM2019071101	2019-07-16	81.0
1517198	69	APM2019080501	2019-08-06	80.4
1973913	69	APM2019080603	2019-08-06	70.6
772306	69	APM2019081303	2019-08-15	72.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1460981	69	APM2019091404	2019-09-24	79.7
1751693	69	APM2019091404	2019-09-24	86.5
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731408	69	CKM2000092503	2000-09-25	88.5
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468104	69	CKM2001060704	2001-06-13	84.5
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527144	69	CKM2001071304	2001-07-19	83.8
2451670	69	CKM2001071304	2001-07-19	82.0
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531599	69	CKM2001091103	2001-09-25	89.0
787975	69	CKM2001091103	2001-09-25	76.0
787976	69	CKM2001091103	2001-09-25	82.0
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2475347	69	CKM2001091103	2001-09-25	93.5
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449306	69	CKM2001091201	2001-09-26	84.0
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387826	69	CKM2002070507	2002-07-08	84.6
1045377	69	CKM2002080405	2002-08-05	80.0
355454	69	CKM2002081101	2002-08-21	82.5
375968	69	CKM2002081101	2002-08-21	88.8
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477677	69	CKM2002081105	2002-08-21	89.0
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682190	69	CKM2002081105	2002-08-21	81.5
868614	69	CKM2002081105	2002-08-21	67.8
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686827	69	CKM2002100106	2002-10-01	88.0
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737472	69	CKM2004020802	2004-02-17	85.7
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786660	69	CKM2004080401	2004-08-11	86.3
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742918	69	CKM2004110402	2004-11-03	88.5
804771	69	CKM2004110402	2004-11-03	78.0
438927	69	CKM2004110603	2004-11-05	77.2
589387	69	CKM2004110603	2004-11-05	85.2
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901252	69	CKM2005050107	2005-05-02	82.0
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495230	69	CKM2005060601	2005-06-13	78.0
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949317	69	CKM2005080701	2005-08-17	82.5
1216227	69	CKM2005080701	2005-08-17	83.0
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2600486	69	CKM2005080701	2005-08-17	81.0
1306212	69	CKM2005080810	2005-08-19	82.0
525966	69	CKM2005080811	2005-08-19	83.5
779309	69	CKM2005080811	2005-08-19	84.5
920172	69	CKM2005080811	2005-08-19	73.0
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937530	69	CKM2005090702	2005-09-14	86.5
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1143502	69	CKM2005090703	2005-09-14	75.5
1396987	69	CKM2005090703	2005-09-14	81.0
408526	69	CKM2005100206	2005-10-04	81.2
831831	69	CKM2005100206	2005-10-04	89.0
936442	69	CKM2005100206	2005-10-04	83.0
974273	69	CKM2005100206	2005-10-04	79.5
1001577	69	CKM2005100206	2005-10-04	78.0
1007291	69	CKM2005100206	2005-10-04	68.0
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2232245	69	CKM2005100701	2005-10-13	79.4
816020	69	CKM2005100703	2005-10-13	84.0
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1022446	69	CKM2006040504	2006-04-12	76.0
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2449783	69	CKM2006040504	2006-04-12	87.0
2583596	69	CKM2006040504	2006-04-12	85.3
1061159	69	CKM2006050301	2006-05-05	68.9
2233496	69	CKM2006050301	2006-05-05	89.5
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1241410	69	CKM2006070806	2006-07-11	87.4
429317	69	CKM2006071003	2006-07-18	69.5
589267	69	CKM2006071003	2006-07-18	79.5
613816	69	CKM2006071003	2006-07-18	88.3
738082	69	CKM2006071003	2006-07-18	87.2
874693	69	CKM2006071003	2006-07-18	82.0
1072739	69	CKM2006071003	2006-07-18	69.3
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945354	69	CKM2006080401	2006-08-04	88.5
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2585143	69	CKM2006100302	2006-10-04	84.4
522626	69	CKM2006100807	2006-10-18	83.6
1055231	69	CKM2006110504	2006-11-08	70.3
1017455	69	CKM2007010104	2007-01-03	89.2
537136	69	CKM2007030809	2007-03-20	69.8
1207684	69	CKM2007060604	2007-06-08	69.4
628782	69	CKM2007060804	2007-06-14	81.0
361041	69	CKM2007080204	2007-08-03	74.0
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603495	69	CKM2007080204	2007-08-03	79.5
638563	69	CKM2007080204	2007-08-03	84.0
788654	69	CKM2007080204	2007-08-03	79.4
788655	69	CKM2007080204	2007-08-03	86.0
892185	69	CKM2007080204	2007-08-03	83.1
900029	69	CKM2007080204	2007-08-03	94.7
980844	69	CKM2007080204	2007-08-03	82.1
1010632	69	CKM2007080204	2007-08-03	80.0
1068001	69	CKM2007080204	2007-08-03	83.0
1104399	69	CKM2007080204	2007-08-03	85.5
1108611	69	CKM2007080204	2007-08-03	82.5
1207825	69	CKM2007080204	2007-08-03	85.0
1207826	69	CKM2007080204	2007-08-03	87.3
1210176	69	CKM2007080204	2007-08-03	87.0
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1455773	69	CKM2007080204	2007-08-03	78.5
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2570142	69	CKM2007080204	2007-08-03	84.2
2600713	69	CKM2007080204	2007-08-03	78.0
2600729	69	CKM2007080204	2007-08-03	82.2
2600730	69	CKM2007080204	2007-08-03	84.6
2633625	69	CKM2007080204	2007-08-03	76.5
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1206053	69	CKM2007090304	2007-09-06	85.5
1317862	69	CKM2007090304	2007-09-06	83.0
1354302	69	CKM2007090304	2007-09-06	72.2
1055911	69	CKM2007090406	2007-09-10	72.0
2616083	69	CKM2007090406	2007-09-10	74.0
2651621	69	CKM2007090406	2007-09-10	74.5
654048	69	CKM2007090804	2007-09-24	79.0
2700481	69	CKM2007090905	2007-09-25	87.5
489576	69	CKM2007100306	2007-10-04	86.2
490230	69	CKM2007100306	2007-10-04	93.2
576407	69	CKM2007100306	2007-10-04	90.0

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951384	69	CKM2007100306	2007-10-04	80.0
958158	69	CKM2007100306	2007-10-04	81.0
984432	69	CKM2007100306	2007-10-04	87.5
990143	69	CKM2007100306	2007-10-04	81.5
1055267	69	CKM2007100306	2007-10-04	88.0
1077095	69	CKM2007100306	2007-10-04	90.2
1077096	69	CKM2007100306	2007-10-04	93.9
1106077	69	CKM2007100306	2007-10-04	83.3
1253445	69	CKM2007100306	2007-10-04	82.0
1258213	69	CKM2007100306	2007-10-04	79.2
1320312	69	CKM2007100306	2007-10-04	93.5
1447476	69	CKM2007100306	2007-10-04	86.0
1447477	69	CKM2007100306	2007-10-04	89.0
1573283	69	CKM2007100306	2007-10-04	85.0
1573284	69	CKM2007100306	2007-10-04	91.5
1600890	69	CKM2007100306	2007-10-04	80.1
1600891	69	CKM2007100306	2007-10-04	87.0
2590832	69	CKM2007100306	2007-10-04	84.4
2700597	69	CKM2007100306	2007-10-04	88.8
1024601	69	CKM2007100906	2007-10-17	73.0
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2704703	69	CKM2008010405	2008-01-09	90.0
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1139234	69	CKM2008050607	2008-05-07	82.5
1162301	69	CKM2008050607	2008-05-07	84.0
1164069	69	CKM2008050607	2008-05-07	79.1
1164070	69	CKM2008050607	2008-05-07	88.8
1206761	69	CKM2008050607	2008-05-07	91.0
1340730	69	CKM2008050607	2008-05-07	82.2
1518543	69	CKM2008050607	2008-05-07	87.5
2694197	69	CKM2008050607	2008-05-07	79.8
1273445	69	CKM2008060303	2008-06-03	83.5
1164095	69	CKM2008060310	2008-06-03	78.0
1106559	69	CKM2008060503	2008-06-05	76.4
867212	69	CKM2008060507	2008-06-04	79.0
979691	69	CKM2008060507	2008-06-04	82.5
1027242	69	CKM2008060507	2008-06-04	80.0
1058435	69	CKM2008060507	2008-06-04	75.0
1106565	69	CKM2008060507	2008-06-04	74.0

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614130	69	CKM2008060508	2008-06-05	84.0
972829	69	CKM2008060508	2008-06-05	83.2
1071650	69	CKM2008070209	2008-07-02	89.5
1582206	69	CKM2008070209	2008-07-02	86.0
1442732	69	CKM2008070303	2008-07-03	89.5
2215492	69	CKM2008070303	2008-07-03	90.0
2319367	69	CKM2008070303	2008-07-03	83.7
2693525	69	CKM2008070303	2008-07-03	82.5
1599990	69	CKM2008070304	2008-07-03	73.5
2585420	69	CKM2008070304	2008-07-03	77.0
1603859	69	CKM2008080408	2008-08-05	78.0
1192662	69	CKM2008090102	2008-09-02	79.5
1018003	69	CKM2008100207	2008-10-03	87.6
612383	69	CKM2008100505	2008-10-09	82.9
882874	69	CKM2008100505	2008-10-09	70.0
975535	69	CKM2008100505	2008-10-09	77.0
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2215945	69	CKM2008100505	2008-10-09	77.5
2321425	69	CKM2008100505	2008-10-09	88.0
976309	69	CKM2008100507	2008-10-09	78.4
1236413	69	CKM2008120101	2008-12-03	87.0
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926784	69	CKM2009020409	2009-02-10	86.0
1025583	69	CKM2009040105	2009-04-03	86.0
1071861	69	CKM2009040106	2009-04-03	77.0
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1192664	69	CKM2009050201	2009-05-04	69.3
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656161	69	CKM2009050409	2009-05-11	71.2
2686084	69	CKM2009050409	2009-05-11	77.5
1060686	69	CKM2009060405	2009-06-08	84.8
1264368	69	CKM2009060405	2009-06-08	82.5
1408439	69	CKM2009060405	2009-06-08	83.0
997370	69	CKM2009060706	2009-06-15	83.4
1341969	69	CKM2009060706	2009-06-15	78.7
1013980	69	CKM2009060707	2009-06-15	85.1
1337129	69	CKM2009060707	2009-06-15	82.9
997580	69	CKM2009070106	2009-07-02	76.0
997581	69	CKM2009070106	2009-07-02	83.7
1278106	69	CKM2009070106	2009-07-02	80.6
934891	69	CKM2009070608	2009-07-15	80.4
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1433474	69	CKM2009080108	2009-08-03	68.6
626601	69	CKM2009080110	2009-08-03	82.0
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1511983	69	CKM2009080202	2009-08-04	86.5
934929	69	CKM2009080301	2009-08-05	77.5
578723	69	CKM2009080311	2009-08-05	75.7
684691	69	CKM2009080311	2009-08-05	73.0
1024179	69	CKM2009080311	2009-08-05	76.8
691510	69	CKM2009090103	2009-09-01	72.4
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1085998	69	CKM2009090103	2009-09-01	71.0
1180751	69	CKM2009090103	2009-09-01	78.0
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2900064	69	CKM2009090103	2009-09-01	84.2
861604	69	CKM2009090205	2009-09-02	80.3
686267	69	CKM2009090608	2009-09-16	75.4
862907	69	CKM2009100704	2009-10-15	82.0
1093071	69	CKM2009120104	2009-12-01	75.8
886356	69	CKM2010040402	2010-04-06	86.0
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886414	69	CKM2010050409	2010-05-11	88.0
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2920764	69	CKM2010050409	2010-05-11	89.5
823831	69	CKM2010050509	2010-05-12	86.0
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689022	69	CKM2010080804	2010-08-25	78.0
1038463	69	CKM2010080804	2010-08-25	81.5
1625267	69	CKM2010080804	2010-08-25	84.3
2776571	69	CKM2010080808	2010-08-25	80.6
1628285	69	CKM2010100204	2010-10-04	78.5
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995612	69	CKM2010100504	2010-10-14	81.5
791416	69	CKM2011040407	2011-04-11	69.0
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1102537	69	CKM2011040407	2011-04-11	84.5
1167637	69	CKM2011040407	2011-04-11	72.0
1167638	69	CKM2011040407	2011-04-11	83.0
1169939	69	CKM2011040407	2011-04-11	78.5
1210782	69	CKM2011040407	2011-04-11	78.0
1218288	69	CKM2011040407	2011-04-11	77.5
1241942	69	CKM2011040407	2011-04-11	74.3
1262184	69	CKM2011040407	2011-04-11	79.0
1369946	69	CKM2011040407	2011-04-11	73.5
1443153	69	CKM2011040407	2011-04-11	77.0
1450899	69	CKM2011040407	2011-04-11	76.5
1484875	69	CKM2011040407	2011-04-11	74.5

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2516391	69	CKM2011040407	2011-04-11	75.0
1624399	69	CKM2011050108	2011-05-02	78.1
2516764	69	CKM2011050502	2011-05-09	81.1
570101	69	CKM2011060204	2011-06-02	83.3
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1436519	69	CKM2011080302	2011-08-10	69.9
1047755	69	CKM2011080307	2011-08-10	78.0
1352519	69	CKM2011090202	2011-09-07	79.6
1642659	69	CKM2011090202	2011-09-07	82.1
2820372	69	CKM2011090202	2011-09-07	88.5
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1187708	69	CKM2011120407	2011-12-07	83.5
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943466	69	CKM2012040104	2012-04-03	77.1
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1163819	69	CKM2012040104	2012-04-03	78.9
1604700	69	CKM2012040104	2012-04-03	73.5
1636134	69	CKM2012040104	2012-04-03	71.5
1872306	69	CKM2012040304	2012-04-05	72.5
1064651	69	CKM2012040706	2012-04-17	83.0
1462424	69	CKM2012040706	2012-04-17	75.7
3134509	69	CKM2012050107	2012-05-01	72.5
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347263	69	CKM2012060208	2012-06-07	83.3
2528401	69	CKM2012060302	2012-06-13	80.0
2418600	69	CKM2012060806	2012-06-28	77.1
1340302	69	CKM2012070203	2012-07-03	74.7
1618837	69	CKM2012070302	2012-07-03	73.5
297982	69	CKM2012070304	2012-07-03	76.7
1429368	69	CKM2012070304	2012-07-03	84.1
1549613	69	CKM2012070304	2012-07-03	85.2
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278615	69	CKM2012090502	2012-09-11	85.7
1438543	69	CKM2012090502	2012-09-11	79.9
2528512	69	CKM2012090606	2012-09-12	74.0
2418954	69	CKM2012090804	2012-09-13	75.0

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1207858	69	CKM2012090808	2012-09-13	69.8
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2385344	69	CKM2020080403	2020-08-07	78.7
1491552	69	CKM2020080404	2020-08-07	72.0
1869300	69	CKM2020080404	2020-08-07	71.0
1870217	69	CKM2020080404	2020-08-07	74.0
1986120	69	CKM2020080404	2020-08-07	75.8
2690383	69	CKM2020080404	2020-08-07	75.0
2793222	69	CKM2020080803	2020-08-19	71.2
844393	69	CKM2020090102	2020-09-01	68.6
1657104	69	CKM2020090102	2020-09-01	72.2
844344	69	CKM2020090401	2020-09-18	70.2
1520229	69	CKM2020090401	2020-09-18	71.8
1657106	69	CKM2020090401	2020-09-18	75.2
1865054	69	CKM2020090401	2020-09-18	69.3
1865055	69	CKM2020090401	2020-09-18	68.4
1875703	69	CKM2020090401	2020-09-18	72.5
1967003	69	CKM2020090401	2020-09-18	73.5
1969553	69	CKM2020090401	2020-09-18	76.8
1987039	69	CKM2020090401	2020-09-18	71.5
785606	69	CKM2020090603	2020-09-25	75.0
1987881	69	CKM2020090603	2020-09-25	80.5
1492177	69	CKM2020100704	2020-10-15	75.0
1965737	69	CKM2020100705	2020-10-15	75.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1990054	69	CKM2020110308	2020-11-05	71.5
2262461	69	CKM2021030405	2021-03-10	68.9
3420234	69	CKM2021030405	2021-03-10	69.5
2277758	69	CKM2021040205	2021-04-06	78.0
2386677	69	CKM2021040407	2021-04-12	71.8
2103244	69	CKM2021040505	2021-04-13	74.8
2318380	69	CKM2021040505	2021-04-13	76.0
2318839	69	CKM2021040505	2021-04-13	69.2
2425266	69	CKM2021040505	2021-04-13	71.8
2435036	69	CKM2021040505	2021-04-13	70.9
3040165	69	CKM2021040505	2021-04-13	77.3
3420250	69	CKM2021040505	2021-04-13	78.2
2113348	69	CKM2021050205	2021-05-05	71.4
2518656	69	CKM2021050205	2021-05-05	72.8
2785211	69	CKM2021050205	2021-05-05	68.7
2031298	69	CKM2021050305	2021-05-06	72.5
2103722	69	CKM2021050305	2021-05-06	69.7
2103723	69	CKM2021050305	2021-05-06	74.0
2192422	69	CKM2021050305	2021-05-06	72.0
2192423	69	CKM2021050305	2021-05-06	73.8
2303216	69	CKM2021050305	2021-05-06	69.4
2319263	69	CKM2021050305	2021-05-06	71.8
2964688	69	CKM2021050305	2021-05-06	69.3
3134196	69	CKM2021050305	2021-05-06	72.8
2303244	69	CKM2021050502	2021-05-11	74.6
2111022	69	CKM2021050603	2021-05-12	75.7
2190664	69	CKM2021050603	2021-05-12	74.5
2535483	69	CKM2021050603	2021-05-12	77.2
2413937	69	CKM2021050703	2021-05-17	72.8
2805081	69	CKM2021050704	2021-05-17	69.5
3365132	69	CKM2021050704	2021-05-17	74.0
2235892	69	CKM2021060303	2021-06-04	71.5
2464574	69	CKM2021060303	2021-06-04	72.5
2224860	69	CKM2021060304	2021-06-04	71.2
2236755	69	CKM2021060304	2021-06-04	69.4
2390251	69	CKM2021060304	2021-06-04	69.0
2477417	69	CKM2021060304	2021-06-04	67.9
2477570	69	CKM2021060304	2021-06-04	71.0
2504530	69	CKM2021060304	2021-06-04	70.4
2504531	69	CKM2021060304	2021-06-04	73.6
2964740	69	CKM2021060304	2021-06-04	71.4
2049546	69	CKM2021060305	2021-06-04	73.6
2236761	69	CKM2021060305	2021-06-04	71.9
3069309	69	CKM2021060305	2021-06-04	72.4
2072612	69	CKM2021060407	2021-06-09	72.5
2087110	69	CKM2021060407	2021-06-09	74.1
2378518	69	CKM2021060407	2021-06-09	72.0
2394056	69	CKM2021060407	2021-06-09	72.8
3069310	69	CKM2021060407	2021-06-09	70.5
2008828	69	CKM2021060504	2021-06-10	69.2
2106940	69	CKM2021060504	2021-06-10	73.8
2153748	69	CKM2021060504	2021-06-10	71.3

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2171406	69	CKM2021070201	2021-07-02	68.1
2518684	69	CKM2021070201	2021-07-02	71.3
3069034	69	CKM2021070201	2021-07-02	76.0
2008951	69	CKM2021070203	2021-07-02	75.2
2009343	69	CKM2021070203	2021-07-02	79.2
2009783	69	CKM2021070203	2021-07-02	72.3
2535513	69	CKM2021070203	2021-07-02	71.2
2844638	69	CKM2021070203	2021-07-02	70.2
2518686	69	CKM2021070304	2021-07-12	72.2
2015348	69	CKM2021070406	2021-07-13	75.6
2964757	69	CKM2021070406	2021-07-13	70.0
2089434	69	CKM2021070501	2021-07-01	69.5
2936589	69	CKM2021080208	2021-08-09	76.5
2257759	69	CKM2021080502	2021-08-19	76.0
2135613	69	CKM2021080602	2021-08-23	81.0
2787275	69	CKM2021090102	2021-09-01	75.3
2010370	69	CKM2021090104	2021-09-01	78.0
2010599	69	CKM2021090104	2021-09-01	74.0
2018484	69	CKM2021090104	2021-09-01	74.5
2359318	69	CKM2021090104	2021-09-01	73.0
2381411	69	CKM2021090104	2021-09-01	69.5
2522404	69	CKM2021090104	2021-09-01	76.0
2969627	69	CKM2021090104	2021-09-01	71.0
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3045616	69	CKM2021090303	2021-09-07	76.0
2488287	69	CKM2021090305	2021-09-07	76.2
3421024	69	CKM2021090305	2021-09-07	71.5
2264233	69	CKM2021100106	2021-10-01	73.7
2495520	69	CKM2021100304	2021-10-05	69.8
2467882	69	CKM2021100808	2021-10-03	75.5
2104859	69	CKM2022020508	2022-02-15	84.9
3049163	69	CKM2022030408	2022-03-04	73.7
2166866	69	CKM2022040105	2022-04-01	80.2
2666169	69	CKM2022050204	2022-05-03	73.2
2737881	69	CKM2022050401	2022-05-05	69.5
3371393	69	CKM2022050401	2022-05-05	80.3
2034192	69	CKM2022050407	2022-05-05	70.5
2108475	69	CKM2022050407	2022-05-05	72.0
2108476	69	CKM2022050407	2022-05-05	78.0
2146209	69	CKM2022050407	2022-05-05	73.0
2236479	69	CKM2022050407	2022-05-05	71.7
2644221	69	CKM2022050407	2022-05-05	71.0
2656174	69	CKM2022050407	2022-05-05	72.8
2696560	69	CKM2022050407	2022-05-05	69.5
2577444	69	CKM2022060109	2022-06-01	71.1
2025559	69	CKM2022060201	2022-06-01	73.2
2039861	69	CKM2022060201	2022-06-01	69.6
2079634	69	CKM2022060201	2022-06-01	72.7
2533436	69	CKM2022060201	2022-06-01	72.6
2023051	69	CKM2022060205	2022-06-01	77.0
2209093	69	CKM2022060205	2022-06-01	75.0
2308933	69	CKM2022060205	2022-06-01	75.2

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2332656	69	CKM2022060205	2022-06-01	76.5
2522939	69	CKM2022060205	2022-06-01	74.1
2658898	69	CKM2022060205	2022-06-01	71.0
2759665	69	CKM2022060205	2022-06-01	74.4
2794320	69	CKM2022060205	2022-06-01	70.2
3430541	69	CKM2022060205	2022-06-01	75.6
2344234	69	CKM2022070201	2022-07-05	69.5
3182553	69	CKM2022070201	2022-07-05	72.7
2089594	69	CKM2022070602	2022-07-08	76.3
2197672	69	CKM2022080105	2022-08-08	74.5
2240373	69	CKM2022080105	2022-08-08	73.0
2265198	69	CKM2022080105	2022-08-08	72.6
2265199	69	CKM2022080105	2022-08-08	75.0
2279310	69	CKM2022080105	2022-08-08	74.6
2309115	69	CKM2022080105	2022-08-08	71.5
2354917	69	CKM2022080105	2022-08-08	77.0
2449864	69	CKM2022080105	2022-08-08	72.0
2449865	69	CKM2022080105	2022-08-08	76.0
2472555	69	CKM2022080105	2022-08-08	73.4
2491189	69	CKM2022080105	2022-08-08	78.0
2522974	69	CKM2022080105	2022-08-08	69.9
2522975	69	CKM2022080105	2022-08-08	70.5
2632060	69	CKM2022080105	2022-08-08	70.6
2642661	69	CKM2022080105	2022-08-08	72.5
2687438	69	CKM2022080105	2022-08-08	69.5
2794755	69	CKM2022080105	2022-08-08	75.5
2863470	69	CKM2022080105	2022-08-08	69.0
2980163	69	CKM2022080105	2022-08-08	72.3
3170157	69	CKM2022080105	2022-08-08	72.2
2302868	69	CKM2022080507	2022-08-15	77.3
2118377	69	CKM2022090704	2022-09-22	73.2
2136160	69	CKM2022090704	2022-09-22	78.1
2375326	69	CKM2022090704	2022-09-22	79.9
2685318	69	CKM2022090704	2022-09-22	78.0
2809882	69	CKM2022090704	2022-09-22	79.4
2943933	69	CKM2022100107	2022-10-03	68.5
2799182	69	CKM2022100303	2022-10-05	68.2
3452954	69	CKM2022100303	2022-10-05	77.6
2943946	69	CKM2022100504	2022-10-10	77.5
3171581	69	CKM2022100504	2022-10-10	78.0
737629	69	IRM1999011401	1999-01-14	92.1
925253	69	IRM1999102701	1999-10-27	83.3
995445	69	IRM1999102701	1999-10-27	82.1
938821	69	IRM1999102703	1999-10-27	71.1
577005	69	IRM2000100901	2000-10-09	76.0
1063179	69	IRM2000100901	2000-10-09	88.5
1346582	69	IRM2000100901	2000-10-09	103.5
893451	69	IRM2002050504	2002-05-08	71.4
1156028	69	IRM2002080901	2002-08-22	68.2
1402709	69	IRM2003071201	2003-07-21	78.3
640643	69	IRM2004020604	2004-02-10	96.5
1232775	69	IRM2004020604	2004-02-10	91.1

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1539524	69	IRM2004020604	2004-02-10	92.4
359286	69	IRM2010090102	2010-09-01	94.7
2962632	69	IRM2014021007	2014-02-17	68.6
568163	69	IRM2015101304	2015-10-21	68.4
596565	69	IRM2016010905	2016-01-14	68.7
1978264	69	IRM2018090601	2018-09-11	81.5
849316	69	IRM2019010703	2019-01-18	69.8
1708111	69	IRM2019010703	2019-01-18	70.8
1669609	69	IRM2019050704	2019-05-13	74.3
1890356	69	IRM2020030102	2020-03-02	71.8
2826694	69	IRM2022010603	2022-01-12	72.8
2959374	69	IRM2022010603	2022-01-12	70.6
2624744	69	IRM2022070303	2022-07-07	69.5
1438035	69	JXM2001051201	2001-05-30	81.8
1611123	69	JXM2011040501	2011-04-04	70.4
1107965	69	TBM1997111215	1997-11-12	68.8
1273699	69	TBM1998082002	1998-08-20	71.5
1842705	69	TBM1999021509	1999-02-15	69.0
1888099	69	TBM1999072303	1999-07-23	68.6
1497450	69	TBM2002030907	2002-03-08	68.0
662907	69	TBM2003031102	2003-03-13	69.2
1282676	69	TBM2003031102	2003-03-13	72.0
1355849	69	TBM2003031102	2003-03-13	68.0
1528136	69	TBM2003031102	2003-03-13	71.0
1627898	69	TBM2003031102	2003-03-13	69.0
1790231	69	TBM2003031102	2003-03-13	69.1
1684032	69	TBM2008021103	2008-02-26	71.5
2659399	69	TBM2008021107	2008-02-26	68.1
1343008	69	TBM2008091102	2008-09-08	72.1
1434152	69	TBM2014111002	2014-11-13	71.5
703941	69	TBM2016050703	2016-05-02	70.2
1233281	69	TBM2016050703	2016-05-02	69.1
1538106	69	TBM2016050703	2016-05-02	69.6
2813751	69	TBM2016050703	2016-05-02	68.3
1668656	69	TBM2016070907	2016-07-20	67.9
1731569	69	TBM2016081401	2016-08-24	71.5
2484663	69	TBM2019070905	2019-07-11	70.3
2008493	69	TBM2022050402	2022-05-04	68.2
2590290	69	TBM2022060202	2022-06-06	76.1
2700336	69	TBM2022060203	2022-06-06	70.8
2453181	69	TBM2022110605	2022-11-07	76.4
1841059	69	TQM1997052003	1997-05-20	73.3
1914572	69	TQM1997052003	1997-05-20	68.0
1920678	69	TQM1997052003	1997-05-20	74.0
1552086	69	TQM1997081902	1997-08-19	84.0
1327296	69	TQM1997122304	1997-12-23	68.5
1673232	69	TQM1998032301	1998-03-23	68.5
1919662	69	TQM1998042011	1998-04-20	68.2
738500	69	TQM1998051302	1998-05-13	74.5
1647528	69	TQM1998102002	1998-10-20	79.8
1665486	69	TQM1999051102	1999-05-11	86.5
1973650	69	TQM1999051102	1999-05-11	75.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1764580	69	TQM1999051104	1999-05-11	78.0
1605256	69	TQM1999071502	1999-07-15	109.6
1872984	69	TQM1999101904	1999-10-19	70.5
1698667	69	TQM2000052304	2000-05-23	73.7
1786455	69	TQM2000101804	2000-10-18	75.1
1745200	69	TQM2001030104	2001-03-01	68.5
1772131	69	TQM2001030104	2001-03-01	73.4
1931303	69	TQM2001100303	2001-10-16	72.1
741502	69	TQM2001120203	2001-12-13	68.8
845675	69	TQM2002030205	2002-03-07	70.2
1388308	69	TQM2002050303	2002-05-14	78.0
1280732	69	TQM2002060206	2002-06-11	78.4
731997	69	TQM2002070401	2002-07-30	77.5
701046	69	TQM2003030204	2003-03-18	80.5
1612448	69	TQM2003090204	2003-09-10	72.8
1913426	69	TQM2003090204	2003-09-10	71.5
1890556	69	TQM2004040104	2004-04-06	76.9
1698581	69	TQM2004060402	2004-06-22	90.0
1655988	69	TQM2005010205	2005-01-11	73.5
1307711	69	TQM2005030305	2005-03-16	68.5
1409024	69	TQM2006110402	2006-11-28	69.0
1591433	69	TQM2006110402	2006-11-28	73.5
1591434	69	TQM2006110402	2006-11-28	74.0
1761037	69	TQM2006110402	2006-11-28	67.8
1904594	69	TQM2006110402	2006-11-28	73.0
1733615	69	TQM2007030402	2007-03-27	74.5
1668012	69	TQM2007050303	2007-05-14	87.8
1254984	69	TQM2008110204	2008-11-05	74.0
1685246	69	TQM2008110204	2008-11-05	86.0
1750069	69	TQM2008110204	2008-11-05	87.0
1328297	69	TQM2012050101	2012-05-03	109.0
1672866	69	TQM2015050101	2015-05-06	68.5
1900667	69	TQM2015050101	2015-05-06	70.2
1990666	69	TQM2016120403	2016-12-09	81.4
1919462	69	TQM2017040301	2017-04-11	69.8
2568240	69	TQM2018020603	2018-02-15	68.9
2614626	69	TQM2019040302	2019-04-05	68.3
3037319	69	TQM2020100403	2020-10-14	70.4
3153437	69	TQM2020100403	2020-10-14	70.0
2461808	69	TQM2021020703	2021-02-24	78.8
2058943	69	TQM2021040404	2021-04-14	74.4
2634425	69	TQM2021070302	2021-07-07	68.5
2677936	69	TQM2021070503	2021-07-12	73.5
1913612	69	TQM2021080501	2021-08-16	91.0
2193811	69	TQM2021080501	2021-08-16	92.5
2601046	69	TQM2021100104	2021-10-04	92.6
2493081	69	TQM2022020303	2022-02-08	69.9
2644361	69	TQM2022060303	2022-06-07	71.0
2724465	69	TQM2022100104	2022-10-06	93.5

Programs containing flagged data:

Count

Table 9: Flagged Values - High Indicator Quantile: **1040.224**

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2848091	69	TBM1997061607	1997-06-16	1115
3280236	69	TBM1997091508	1997-09-15	1270
2574611	69	TBM1999100402	1999-10-04	1289
3123191	69	TBM1999110404	1999-11-04	1491
3514265	69	TBM1999110406	1999-11-04	1520
2562965	69	TBM2001010705	2001-01-26	1180
3283867	69	TBM2001020713	2001-02-05	1671
3512074	69	TBM2001021001	2001-02-12	1232
2856261	69	TBM2001120203	2001-12-04	1120
3007090	69	TBM2002080502	2002-08-05	1647
2984235	69	TBM2002081204	2002-08-15	1536
3033962	69	TBM2002101604	2002-10-23	1132
2690608	69	TBM2003021002	2003-02-14	1382
3034121	69	TBM2003021611	2003-02-19	6128
2550050	69	TBM2003080201	2003-08-04	1501
3492796	69	TBM2004100204	2004-10-01	2585
2759539	69	TBM2005060803	2005-06-07	1115
3008316	69	TBM2006040307	2006-04-18	1076
2044443	69	TBM2006100502	2006-10-02	1224
3354977	69	TBM2006111002	2006-11-09	4597
3183012	69	TBM2006111005	2006-11-09	1072
2550247	69	TBM2007061006	2007-06-19	1367
1751592	69	TBM2007110605	2007-11-06	1843
2035448	69	TBM2007110904	2007-11-08	1572
3280342	69	TBM2008011202	2008-01-10	3882
2994480	69	TBM2008040201	2008-04-14	1085
2057603	69	TBM2008040406	2008-04-14	2532
2007172	69	TBM2008050606	2008-05-08	2236
2583721	69	TBM2008050608	2008-05-08	1370
2581948	69	TBM2008051505	2008-05-16	1367
2038530	69	TBM2008061105	2008-06-05	2432
3008869	69	TBM2008071206	2008-07-24	1520
3308990	69	TBM2008080102	2008-08-11	1127
2582002	69	TBM2008080802	2008-08-20	1621
2005898	69	TBM2008081305	2008-08-26	2051
2069393	69	TBM2008090505	2008-09-04	1125
3008888	69	TBM2008101105	2008-10-13	1096
2093116	69	TBM2008110602	2008-11-05	1486
2062859	69	TBM2008110803	2008-11-17	1370
2914505	69	TBM2008111101	2008-11-19	1169
3309046	69	TBM2008111104	2008-11-19	1775
3022099	69	TBM2008120803	2008-12-05	2181
2018549	69	TBM2008121503	2008-12-18	1270
2107571	69	TBM2009011001	2009-01-26	1688
2993252	69	TBM2009051005	2009-05-07	2457
2023255	69	TBM2009051009	2009-05-07	1402
3009380	69	TBM2009051209	2009-05-12	1887
3501185	69	TBM2009071110	2009-07-07	1287
3022622	69	TBM2009081006	2009-08-19	1493

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3309345	69	TBM2009081501	2009-08-24	1207
3004513	69	TBM2009091301	2009-09-17	1567
2260169	69	TBM2009100601	2009-10-06	2562
2221561	69	TBM2009110301	2009-11-05	1051
2566308	69	TBM2009111405	2009-11-18	2046
1924919	69	TBM2010040501	2010-04-05	1355
2172456	69	TBM2010051302	2010-05-19	1140
2068310	69	TBM2010051304	2010-05-19	2816
2130247	69	TBM2010051308	2010-05-19	2327
2570225	69	TBM2010060904	2010-06-03	1052
2130282	69	TBM2010060905	2010-06-03	1210
2172393	69	TBM2010060909	2010-06-03	1635
2041975	69	TBM2010070205	2010-07-01	1689
3280609	69	TBM2010070405	2010-07-08	2465
1925015	69	TBM2010070406	2010-07-08	1352
2858180	69	TBM2010070505	2010-07-09	1048
3020828	69	TBM2010091103	2010-09-14	1042
2079956	69	TBM2010091301	2010-09-16	1102
2847904	69	TBM2010091403	2010-09-20	2865
2072231	69	TBM2010091404	2010-09-20	1629
2568511	69	TBM2010100805	2010-10-07	1897
2858251	69	TBM2010100901	2010-10-14	1293
3513163	69	TBM2010100902	2010-10-14	1108
2049656	69	TBM2010101205	2010-10-15	1332
3117442	69	TBM2010101205	2010-10-15	1255
2155848	69	TBM2011030401	2011-03-02	1046
3003151	69	TBM2011051407	2011-05-18	1620
2005451	69	TBM2011060603	2011-06-27	1407
3116720	69	TBM2011070407	2011-07-11	1212
3013662	69	TBM2011090301	2011-09-14	1415
2234529	69	TBM2011100603	2011-10-03	1111
3295788	69	TBM2011100605	2011-10-03	1185
2770085	69	TBM2011110605	2011-11-02	1874
3024405	69	TBM2012010203	2012-01-04	2633
3082892	69	TBM2012010203	2012-01-04	1576
2130332	69	TBM2012050910	2012-05-10	1055
2030174	69	TBM2012081103	2012-08-09	1449
2033663	69	TBM2012100304	2012-10-22	1338
2240592	69	TBM2012100304	2012-10-22	2416
2249882	69	TBM2013050702	2013-05-21	2195
2848943	69	TBM2013060701	2013-06-11	1841
2266376	69	TBM2013060705	2013-06-11	1541
3288503	69	TBM2013060707	2013-06-11	1364
3297841	69	TBM2013070208	2013-07-03	2110
2324547	69	TBM2013071001	2013-07-16	1141
2038396	69	TBM2013080404	2013-08-13	1773
3039697	69	TBM2013091302	2013-09-23	2114
3015041	69	TBM2013110103	2013-11-04	2734
2284559	69	TBM2013110104	2013-11-04	1173
2270653	69	TBM2014050206	2014-05-06	1215
3126444	69	TBM2014050208	2014-05-06	1749
2844455	69	TBM2014070408	2014-07-07	2530

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2271641	69	TBM2014080106	2014-08-06	1596
2850970	69	TBM2014080601	2014-08-07	1109
2139651	69	TBM2014081110	2014-08-14	1319
2067060	69	TBM2014100904	2014-10-06	1463
2182910	69	TBM2014100906	2014-10-06	1695
3016626	69	TBM2014101302	2014-10-14	1324
2228221	69	TBM2014110404	2014-11-12	3094
2274522	69	TBM2014110901	2014-11-06	1334
2985583	69	TBM2014111002	2014-11-13	1713
3512065	69	TBM2015071501	2015-07-09	2546
2234356	69	TBM2015090704	2015-09-03	2509
2306771	69	TBM2015090704	2015-09-03	1064
2785481	69	TBM2015090704	2015-09-03	1405
2294734	69	TBM2015101008	2015-10-13	1182
2785758	69	TBM2015101306	2015-10-26	1169
3004766	69	TBM2015110804	2015-11-02	1414
2228455	69	TBM2015110805	2015-11-02	1050
2351942	69	TBM2015110805	2015-11-02	1235
2133811	69	TBM2015110901	2015-11-12	2013
2846930	69	TBM2015111205	2015-11-03	1107
3072939	69	TBM2016010204	2016-01-11	1258
2079996	69	TBM2016071101	2016-07-07	1151
2258140	69	TBM2016071101	2016-07-07	1473
2094194	69	TBM2016091807	2016-09-08	1623
3326331	69	TBM2016101401	2016-10-13	1129
3020017	69	TBM2016101406	2016-10-13	1594
3078369	69	TBM2017020302	2017-02-13	1147
3284241	69	TBM2017090906	2017-09-27	1121
2140764	69	TBM2017100502	2017-10-16	1626
3006912	69	TBM2017100804	2017-10-10	2535
2855665	69	TBM2017100805	2017-10-10	1223
3004707	69	TBM2017101504	2017-10-06	1204
2385533	69	TBM2017111101	2017-11-06	1280
2101231	69	TBM2018080106	2018-08-13	1070
2352408	69	TBM2018090803	2018-09-14	1265
2286876	69	TBM2018090905	2018-09-10	1793
2255766	69	TBM2018111201	2018-11-01	1289
2073026	69	TBM2019060106	2019-06-03	1628
2581488	69	TBM2019061203	2019-06-17	1816
2049868	69	TBM2019070303	2019-07-01	1375
2218712	69	TBM2019070304	2019-07-01	1102
2301657	69	TBM2019070705	2019-07-08	1065
2383053	69	TBM2019071503	2019-07-09	2024
2058001	69	TBM2019071504	2019-07-09	1729
2033366	69	TBM2019080306	2019-08-05	2215
2336200	69	TBM2019090402	2019-09-24	1755
2581544	69	TBM2019090501	2019-09-16	1923
2688112	69	TBM2019101103	2019-10-15	1183
2324173	69	TBM2019101105	2019-10-15	1757
2150445	69	TBM2019111303	2019-11-14	1052
2239225	69	TBM2019111304	2019-11-14	1084
2294780	69	TBM2019111306	2019-11-14	1759

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2239238	69	TBM2020020406	2020-02-10	1277
2062969	69	TBM2020080105	2020-08-03	1465
2210485	69	TBM2020081206	2020-08-13	3017
2710085	69	TBM2020081207	2020-08-13	1767
2495175	69	TBM2020090902	2020-09-03	1308
2405237	69	TBM2021020703	2021-02-09	1391
2345915	69	TBM2021060902	2021-06-04	1147
2339434	69	TBM2021070703	2021-07-02	2034
2153080	69	TBM2022090903	2022-09-02	1851
2241621	69	TBM2022090904	2022-09-02	1862
2158415	69	TBM2022101103	2022-10-10	1257
2313346	129	1	2001-02-20	1240
2335873	129	1	2003-02-18	1362
2367314	129	1	2003-02-18	1218
2367317	129	1	2003-03-18	1152
2368395	129	1	2003-03-18	1320
2196285	129	1	2010-01-20	1068
2196286	129	1	2010-01-20	1351
2328109	129	1	2010-03-17	1303
2328952	129	1	2011-02-17	1268
2398363	129	1	2011-02-17	3920
2431779	129	1	2011-02-17	4719
2468426	129	1	2011-02-17	1072
2468427	129	1	2011-02-17	2152
2471348	129	1	2011-03-15	1686
2114446	129	10	2003-02-18	1399
2207308	129	10	2003-02-18	1338
2487431	129	10	2011-02-16	1134
2496673	129	10	2011-02-16	1737
2496674	129	10	2011-02-16	1916
2555921	129	10	2011-02-16	1792
2555922	129	10	2011-02-16	2304
2220774	129	10	2011-03-16	1065
2395903	129	10	2011-03-16	1190
2463504	129	10	2011-03-16	3208
2487783	129	10	2011-03-16	1687
2132344	129	10	2022-03-29	1672
2132345	129	10	2022-03-29	1775
2227211	129	10	2022-03-29	2316
2165085	129	12	2001-02-20	1170
2637760	129	12	2010-01-19	1056
2912961	129	2	2009-04-21	1566
2718240	129	2	2009-10-28	1298
2777613	129	2	2009-10-28	1227
2513831	129	2	2011-02-17	1680
2954851	129	3	2001-04-24	1248
2667702	129	3	2002-04-16	1324
2854434	129	3	2002-04-16	1058
2854435	129	3	2002-04-16	2541
2099132	129	4	2010-02-16	1441
2179448	129	4	2010-02-16	1141
2190054	129	4	2010-02-16	1465

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2092748	129	4	2011-02-16	2229
2092749	129	4	2011-02-16	3742
2106826	129	4	2011-02-16	1790
2106827	129	4	2011-02-16	2315
2158595	129	5	2001-03-27	1228
2066023	129	5	2003-03-19	4825
2159155	129	5	2003-03-19	2083
2260184	129	5	2003-03-19	2802
2260185	129	5	2003-03-19	6147
2155933	129	5	2010-01-20	1889
2292245	129	5	2010-01-20	1617
2292246	129	5	2010-01-20	5068
2155942	129	5	2010-03-17	1080
2245885	129	5	2010-03-17	1267
2274202	129	5	2010-03-17	1274
2250989	129	5	2011-02-16	2876
2267188	129	5	2011-02-16	4690
2279217	129	5	2011-02-16	3924
2167112	129	7	2011-02-15	1583
2261978	129	7	2011-02-15	1397
2331637	129	7	2011-02-15	1267
2038355	129	8	2001-02-21	1164
2217641	129	8	2003-02-19	1709
2139946	129	8	2004-02-17	1063
2357175	129	8	2011-02-16	3584
2375724	129	8	2011-02-16	4436
2375725	129	8	2011-02-16	5260
2385787	129	8	2011-02-16	4888
2385788	129	8	2011-02-16	5772
2376081	129	8	2011-03-16	1131
2341488	129	8	2011-04-12	1269
2357639	129	8	2011-04-12	1917
2370688	129	9	2001-03-28	1220
2386544	129	9	2001-03-28	1064
2412695	129	9	2001-03-28	1784
2416251	129	9	2001-03-28	1620
2394016	129	9	2003-02-18	1083
2455392	129	9	2004-03-23	1073
2551292	129	9	2011-01-18	1144
2421111	129	9	2011-02-16	4292
2421125	129	9	2011-02-16	8224
2480309	129	9	2011-02-16	5940
2599506	129	9	2011-02-16	5616
2132478	129	9	2011-03-16	1509
2132480	129	9	2011-03-16	5060
2227396	129	9	2011-03-16	1138
2552292	129	9	2011-03-16	4984
2552346	129	9	2011-04-12	1133
4006064	4043	FU-9-62-2010	2010-03-10	1520

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program

129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring

4043 - RBNERR Fish Assessment

There are no *High* Quantile Flagged Values for Presence/Absence

Discrete WQ

Discrete WQ - Nutrients

Ammonia, Un-ionized (NH3)

Quantile Values:
Low: **0.00304** *High*: **0.4778**

Total data for *Ammonia, Un-ionized (NH3)* across all programs: **523**

Table 10: Flagged data, overview by program for **Ammonia, Un-ionized (NH3)**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
5028	2	1	1	523	0.38241	0.38241

Programs containing flagged data:

5028 - Charlotte Harbor Aquatic Preserves Monthly Water Quality Program

Ammonium, Filtered (NH4)

Quantile Values:
Low: **-0.02247** *High*: **8.23948**

Total data for *Ammonium, Filtered (NH4)* across all programs: **148665**

Table 11: Flagged data, overview by program for **Ammonium, Filtered (NH4)**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
3	130	0	130	4184	3.10707	0.08744
5002	168	149	19	64232	0.26155	0.11301

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
5002 - Florida STORET / WIN

Nitrate (NO3)

Quantile Values:
Low: **0** *High*: **0.95771**

Total data for *Nitrate (NO3)* across all programs: **11230**

Table 12: Flagged data, overview by program for **Nitrate (NO3)**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
5002	12	0	12	9219	0.13017	0.10686

Programs containing flagged data:

5002 - Florida STORET / WIN

Nitrite (NO2)

Quantile Values:
Low: **0.00014** *High*: **0.3**

Total data for *Nitrite (NO2)* across all programs: **43673**

Table 13: Flagged data, overview by program for **Nitrite (NO2)**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
5002	3	2	1	12560	0.02389	0.00687

Programs containing flagged data:

5002 - Florida STORET / WIN

Nitrogen, organic

Quantile Values:
Low: **0.029** *High*: **2.7**

Total data for *Nitrogen, organic* across all programs: **7121**

Table 14: Flagged data, overview by program for **Nitrogen, organic**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
5002	13	6	7	7121	0.18256	0.18256

Programs containing flagged data:

5002 - Florida STORET / WIN

NO2+3, Filtered

Quantile Values:
Low: **-0.00192** *High*: **3.5182**

Total data for *NO2+3, Filtered* across all programs: **166755**

Table 15: Flagged data, overview by program for **NO2+3, Filtered**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
3	165	0	165	4388	3.76026	0.09895
5002	169	167	2	74429	0.22706	0.10135

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
5002 - Florida STORET / WIN

Phosphate, Filtered (PO4)

Quantile Values:
Low: **-0.007** *High*: **0.79553**

Total data for *Phosphate, Filtered (PO4)* across all programs: **62640**

Table 16: Flagged data, overview by program for **Phosphate, Filtered (PO4)**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
3	26	0	26	5058	0.51404	0.04151
355	7	0	7	3176	0.22040	0.01117
513	3	0	3	3883	0.07726	0.00479
5002	78	51	27	37586	0.20752	0.12452

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
513 - Coastal Charlotte Harbor Monitoring Network
5002 - Florida STORET / WIN

Total Kjeldahl Nitrogen

Quantile Values:
Low: **1e-04** *High*: **4.6809**

Total data for *Total Kjeldahl Nitrogen* across all programs: **122956**

Table 17: Flagged data, overview by program for **Total Kjeldahl Nitrogen**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
303	4	0	4	1228	0.32573	0.00325
476	2	0	2	4789	0.04176	0.00163
513	68	66	2	4483	1.51684	0.05530
5002	134	23	111	73470	0.18239	0.10898
5014	4	0	4	1418	0.28209	0.00325

Programs containing flagged data:

303 - River, Estuary and Coastal Observing Network
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
513 - Coastal Charlotte Harbor Monitoring Network
5002 - Florida STORET / WIN
5014 - Guana River and Guana Lake Water Quality Monitoring

Total Nitrogen

Quantile Values:
Low: **7e-05** *High*: **4.11**

Total data for *Total Nitrogen* across all programs: **148381**

Table 18: Flagged data, overview by program for **Total Nitrogen**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
103	9	9	0	627	1.43541	0.00607
103	9	9	0	63	14.28571	0.00607
297	1	1	0	25707	0.00389	0.00067
297	1	1	0	25707	0.00389	0.00067
303	4	0	4	1222	0.32733	0.00270
303	4	0	4	1234	0.32415	0.00270
476	3	0	3	4589	0.06537	0.00202
479	2	0	2	8832	0.02264	0.00135
479	2	0	2	8827	0.02266	0.00135
513	33	30	3	3387	0.97431	0.02224
513	33	30	3	2710	1.21771	0.02224
514	93	93	0	10720	0.86754	0.06268
514	93	93	0	10762	0.86415	0.06268
4058	3	0	3	2334	0.12853	0.00202
5002	147	16	131	27069	0.54306	0.09907
5002	147	16	131	68327	0.21514	0.09907
5014	2	0	2	538	0.37175	0.00135

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
303 - River, Estuary and Coastal Observing Network
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
479 - Southwest Florida Water Management District - Water Quality Monitoring
513 - Coastal Charlotte Harbor Monitoring Network
514 - Florida LAKEWATCH Program
4058 - City of Miami Beach Water Monitoring
5002 - Florida STORET / WIN
5014 - Guana River and Guana Lake Water Quality Monitoring

Total Nitrogen

Quantile Values:
Low: **6e-05** *High*: **2.77**

Total data for *Total Nitrogen* across all programs: **86986**

Table 19: Flagged data, overview by program for **Total Nitrogen**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
297	2	1	1	25707	0.00778	0.00230
297	2	1	1	25707	0.00778	0.00230
303	9	0	9	1234	0.72934	0.01035
303	9	0	9	1222	0.73650	0.01035
479	3	0	3	8832	0.03397	0.00345
479	3	0	3	8827	0.03399	0.00345
509	1	0	1	6212	0.01610	0.00115
509	1	0	1	6212	0.01610	0.00115
513	23	9	14	3387	0.67907	0.02644

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
513	23	9	14	2710	0.84871	0.02644
514	32	31	1	10762	0.29734	0.03679
514	32	31	1	10720	0.29851	0.03679
5002	53	0	53	68327	0.07757	0.06093
5002	53	0	53	27069	0.19580	0.06093
5058	1	0	1	268	0.37313	0.00115
5058	1	0	1	268	0.37313	0.00115
10000	3	0	3	2079	0.14430	0.00345
10000	3	0	3	2062	0.14549	0.00345

Programs containing flagged data:

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

303 - River, Estuary and Coastal Observing Network

479 - Southwest Florida Water Management District - Water Quality Monitoring

509 - SERC Water Quality Monitoring Network

513 - Coastal Charlotte Harbor Monitoring Network

514 - Florida LAKEWATCH Program

5002 - Florida STORET / WIN

5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report

10000 - RiverKeeper

Total Phosphorus

Quantile Values:
Low: **0** *High*: **0.72**

Total data for *Total Phosphorus* across all programs: **170451**

Table 20: Flagged data, overview by program for **Total Phosphorus**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
103	10	0	10	5782	0.17295	0.00587
355	3	0	3	3513	0.08540	0.00176
476	7	0	7	4904	0.14274	0.00411
479	1	0	1	8871	0.01127	0.00059
513	15	0	15	3858	0.38880	0.00880
5002	215	84	131	62160	0.34588	0.12614
5014	3	0	3	715	0.41958	0.00176

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX

355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program

476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

479 - Southwest Florida Water Management District - Water Quality Monitoring

513 - Coastal Charlotte Harbor Monitoring Network

5002 - Florida STORET / WIN

5014 - Guana River and Guana Lake Water Quality Monitoring

Discrete WQ - Water Clarity

Chlorophyll a, Corrected for Pheophytin

Quantile Values:
Low: **0** *High*: **109**

Total data for *Chlorophyll a, Corrected for Pheophytin* across all programs: **73171**

Table 21: Flagged data, overview by program for **Chlorophyll a, Corrected for Pheophytin**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
103	4	0	4	1362	0.29369	0.00547
303	2	0	2	1903	0.10510	0.00273
354	1	0	1	2790	0.03584	0.00137
355	1	0	1	8123	0.01231	0.00137
476	2	0	2	3018	0.06627	0.00273
513	16	3	13	4186	0.38223	0.02187
514	6	0	6	1483	0.40459	0.00820
540	3	0	3	465	0.64516	0.00410
5002	36	1	35	22957	0.15681	0.04920
5014	4	0	4	714	0.56022	0.00547
10000	2	0	2	2815	0.07105	0.00273

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
303 - River, Estuary and Coastal Observing Network
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
513 - Coastal Charlotte Harbor Monitoring Network
514 - Florida LAKEWATCH Program
540 - Shellfish Harvest Area Classification Program
5002 - Florida STORET / WIN
5014 - Guana River and Guana Lake Water Quality Monitoring
10000 - RiverKeeper

Chlorophyll a, Uncorrected for Pheophytin

Quantile Values:
Low: **0** *High*: **110.475**

Total data for *Chlorophyll a, Uncorrected for Pheophytin* across all programs: **96526**

Table 22: Flagged data, overview by program for **Chlorophyll a, Uncorrected for Pheophytin**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
95	12	0	12	1888	0.63559	0.01243
103	26	26	0	4907	0.52986	0.02694
354	1	0	1	6904	0.01448	0.00104
355	1	0	1	4495	0.02225	0.00104
476	2	0	2	3055	0.06547	0.00207

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
479	1	0	1	1755	0.05698	0.00104
514	28	0	28	9670	0.28956	0.02901
540	3	0	3	453	0.66225	0.00311
4054	1	0	1	5394	0.01854	0.00104
5002	41	0	41	21054	0.19474	0.04248
5014	5	0	5	772	0.64767	0.00518
10000	2	0	2	3419	0.05850	0.00207

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
479 - Southwest Florida Water Management District - Water Quality Monitoring
514 - Florida LAKEWATCH Program
540 - Shellfish Harvest Area Classification Program
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5002 - Florida STORET / WIN
5014 - Guana River and Guana Lake Water Quality Monitoring
10000 - RiverKeeper

Colored Dissolved Organic Matter

Quantile Values:
Low: **0** *High*: **696.026**

Total data for *Colored Dissolved Organic Matter* across all programs: **29165**

Table 23: Flagged data, overview by program for **Colored Dissolved Organic Matter**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
4054	20	0	20	1707	1.17165	0.06858
5002	10	0	10	9141	0.10940	0.03429

Programs containing flagged data:

4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5002 - Florida STORET / WIN

Light Extinction Coefficient

Quantile Values:
Low: **0** *High*: **9.07764**

Total data for *Light Extinction Coefficient* across all programs: **18875**

Table 24: Flagged data, overview by program for **Light Extinction Coefficient**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
103	7	0	7	2681	0.26110	0.03709
297	11	0	11	10403	0.10574	0.05828
4064	1	1	0	619	0.16155	0.00530
5002	1	0	1	2328	0.04296	0.00530
5058	1	1	0	133	0.75188	0.00530

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments
5002 - Florida STORET / WIN
5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report

Secchi Depth

Quantile Values:
Low: **0.1** *High*: **18.5116**

Total data for *Secchi Depth* across all programs: **354885**

Table 25: Flagged data, overview by program for **Secchi Depth**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
60	10	0	10	42	23.80952	0.00282
103	7	2	5	3211	0.21800	0.00197
470	1	0	1	356	0.28090	0.00028
476	1	1	0	3898	0.02565	0.00028
479	2	0	2	8955	0.02233	0.00056
514	3	2	1	9437	0.03179	0.00085
537	1	0	1	230	0.43478	0.00028
3001	28	28	0	8908	0.31432	0.00789
3013	3	3	0	2057	0.14584	0.00085
5002	8	7	1	24737	0.03234	0.00225
5033	334	0	334	8458	3.94892	0.09411
10000	1	1	0	3349	0.02986	0.00028

Programs containing flagged data:

60 - Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall & Summer Shrimp/Groundfish Survey
103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
470 - St. Andrews Aquatic Preserve Water Quality Monitoring
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
479 - Southwest Florida Water Management District - Water Quality Monitoring
514 - Florida LAKEWATCH Program
537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
3001 - Lagoon Watch (Formerly Marine Discovery Center)
3013 - Seagrass (SJRWMD)

5002 - Florida STORET / WIN
5033 - Southeast Florida Water Quality Assessment Survey
10000 - RiverKeeper

Total Suspended Solids

Quantile Values:
Low: **0** *High*: **173.2704**

Total data for *Total Suspended Solids* across all programs: **95663**

Table 26: Flagged data, overview by program for **Total Suspended Solids**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
103	3	0	3	3623	0.08280	0.00314
355	1	0	1	3536	0.02828	0.00105
513	6	0	6	4375	0.13714	0.00627
4054	10	0	10	4510	0.22173	0.01045
5002	87	18	69	50293	0.17299	0.09094
5033	7	0	7	16247	0.04308	0.00732

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
513 - Coastal Charlotte Harbor Monitoring Network
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5002 - Florida STORET / WIN
5033 - Southeast Florida Water Quality Assessment Survey

Turbidity

Quantile Values:
Low: **0** *High*: **122**

Total data for *Turbidity* across all programs: **325235**

Table 27: Flagged data, overview by program for **Turbidity**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
95	1	0	1	398	0.25126	0.00031
103	242	12	230	24201	0.99996	0.07441
303	31	0	31	1899	1.63244	0.00953
354	14	0	14	734	1.90736	0.00430
469	5	5	0	591	0.84602	0.00154
505	2	2	0	74	2.70270	0.00061
557	2	2	0	369	0.54201	0.00061
4058	2	0	2	2682	0.07457	0.00061
5002	45	0	45	211483	0.02128	0.01384
5026	10	9	1	410	2.43902	0.00307

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
303 - River, Estuary and Coastal Observing Network
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
469 - Central Panhandle Aquatic Preserve WQ Monitoring
505 - Pensacola Bay Water Quality Monitoring Program
557 - Central Panhandle Aquatic Preserves Seagrass Monitoring
4058 - City of Miami Beach Water Monitoring
5002 - Florida STORET / WIN
5026 - North Biscayne Bay Seagrass Loss Water Quality Program

Discrete WQ - Water Quality

Dissolved Oxygen

Quantile Values:
Low: **0.21** *High*: **14.6**

Total data for *Dissolved Oxygen* across all programs: **863591**

Table 28: Flagged data, overview by program for **Dissolved Oxygen**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
69	413	81	332	276884	0.14916	0.04782
95	35	8	27	15168	0.23075	0.00405
103	398	89	309	28212	1.41075	0.04609
118	4	4	0	549	0.72860	0.00046
297	1	0	1	32169	0.00311	0.00012
303	3	0	3	1415	0.21201	0.00035
355	2	2	0	2535	0.07890	0.00023
470	2	1	1	949	0.21075	0.00023
476	4	4	0	4446	0.08997	0.00046
477	2	2	0	372	0.53763	0.00023
479	41	36	5	19970	0.20531	0.00475
509	2	1	1	12158	0.01645	0.00023
513	23	21	2	8395	0.27397	0.00266
537	1	1	0	395	0.25316	0.00012
540	1	0	1	396	0.25253	0.00012
557	1	0	1	1129	0.08857	0.00012
560	3	0	3	2371	0.12653	0.00035
3000	8	8	0	386	2.07254	0.00093
3001	13	9	4	12749	0.10197	0.00151
3013	3	0	3	2369	0.12664	0.00035
4043	3	3	0	2973	0.10091	0.00035
4054	4	0	4	3431	0.11658	0.00046
4058	6	3	3	2605	0.23033	0.00069
4067	37	31	6	17624	0.20994	0.00428
5002	677	534	143	389215	0.17394	0.07839
5014	3	3	0	327	0.91743	0.00035
5058	2	2	0	266	0.75188	0.00023
10000	6	6	0	6964	0.08616	0.00069

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network
103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
118 - National Aquatic Resource Surveys, National Coastal Condition Assessment
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
303 - River, Estuary and Coastal Observing Network
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
470 - St. Andrews Aquatic Preserve Water Quality Monitoring
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
477 - Suwannee River Water Management District Water Resource Monitoring Program
479 - Southwest Florida Water Management District - Water Quality Monitoring
509 - SERC Water Quality Monitoring Network
513 - Coastal Charlotte Harbor Monitoring Network
537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
540 - Shellfish Harvest Area Classification Program
557 - Central Panhandle Aquatic Preserves Seagrass Monitoring
560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
3000 - Florida Keys Water Watch
3001 - Lagoon Watch (Formerly Marine Discovery Center)
3013 - Seagrass (SJRWMD)
4043 - RBNERR Fish Assessment
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
4058 - City of Miami Beach Water Monitoring
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN
5014 - Guana River and Guana Lake Water Quality Monitoring
5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report
10000 - RiverKeeper

Dissolved Oxygen Saturation

Quantile Values:
Low: **0.32261** *High*: **174.8566**

Total data for *Dissolved Oxygen Saturation* across all programs: **160568**

Table 29: Flagged data, overview by program for **Dissolved Oxygen Saturation**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
95	3	1	2	1498	0.20027	0.00187
129	1	0	1	4005	0.02497	0.00062
297	12	0	12	25419	0.04721	0.00747
303	6	0	6	1682	0.35672	0.00374
479	1	1	0	89	1.12360	0.00062
572	1	0	1	27	3.70370	0.00062
3001	149	128	21	12890	1.15593	0.09280
3013	4	0	4	1243	0.32180	0.00249
4064	1	0	1	619	0.16155	0.00062
4067	32	0	32	17166	0.18642	0.01993
5002	110	31	79	74939	0.14679	0.06851
5008	1	0	1	3082	0.03245	0.00062
5026	1	0	1	444	0.22523	0.00062

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
303 - River, Estuary and Coastal Observing Network
479 - Southwest Florida Water Management District - Water Quality Monitoring
572 - Rookery Bay National Estuarine Research Reserve Seagrass Monitoring
3001 - Lagoon Watch (Formerly Marine Discovery Center)
3013 - Seagrass (SJRWMD)
4064 - A spatial model to improve site selection for seagrass restoration in shallow boating environments
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN
5008 - Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region
5026 - North Biscayne Bay Seagrass Loss Water Quality Program

pH

Quantile Values:
Low: **5.3** *High*: **9.3**

Total data for *pH* across all programs: **692918**

Table 30: Flagged data, overview by program for **pH**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
69	376	117	259	275616	0.13642	0.05426
95	54	7	47	12884	0.41912	0.00779
103	1	0	1	14054	0.00712	0.00014
129	7	3	4	2320	0.30172	0.00101
303	20	0	20	1882	1.06270	0.00289
354	12	2	10	885	1.35593	0.00173
355	14	6	8	1364	1.02639	0.00202
469	13	0	13	1278	1.01721	0.00188
470	1	0	1	974	0.10267	0.00014
476	4	2	2	4846	0.08254	0.00058
477	8	8	0	369	2.16802	0.00115
479	16	7	9	17573	0.09105	0.00231
509	25	25	0	3472	0.72005	0.00361
513	7	2	5	8339	0.08394	0.00101
560	2	2	0	2084	0.09597	0.00029
3000	2	0	2	331	0.60423	0.00029
3001	7	4	3	12384	0.05652	0.00101
3013	1	0	1	2359	0.04239	0.00014
4054	2	1	1	3498	0.05718	0.00029
4058	6	2	4	2677	0.22413	0.00087
4065	1	0	1	356	0.28090	0.00014
4067	12	3	9	13789	0.08703	0.00173
5002	653	455	198	293156	0.22275	0.09424

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network

103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring
303 - River, Estuary and Coastal Observing Network
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
469 - Central Panhandle Aquatic Preserve WQ Monitoring
470 - St. Andrews Aquatic Preserve Water Quality Monitoring
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
477 - Suwannee River Water Management District Water Resource Monitoring Program
479 - Southwest Florida Water Management District - Water Quality Monitoring
509 - SERC Water Quality Monitoring Network
513 - Coastal Charlotte Harbor Monitoring Network
560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
3000 - Florida Keys Water Watch
3001 - Lagoon Watch (Formerly Marine Discovery Center)
3013 - Seagrass (SJRWMD)
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
4058 - City of Miami Beach Water Monitoring
4065 - Northwest Florida Aquatic Preserve Seagrass Survey
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN

Salinity

Quantile Values:
Low: **0** *High*: **41.3**

Total data for *Salinity* across all programs: **862539**

Table 31: Flagged data, overview by program for **Salinity**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
3	125	0	125	5596	2.23374	0.01449
69	114	0	114	278882	0.04088	0.01322
95	119	0	119	26638	0.44673	0.01380
115	3	0	3	360	0.83333	0.00035
118	16	0	16	535	2.99065	0.00185
297	29	0	29	31841	0.09108	0.00336
354	6	0	6	1284	0.46729	0.00070
456	6	0	6	134	4.47761	0.00070
476	13	0	13	5089	0.25545	0.00151
509	15	0	15	12034	0.12465	0.00174
560	1	0	1	2396	0.04174	0.00012
965	8	0	8	4157	0.19245	0.00093
3000	4	0	4	388	1.03093	0.00046
3001	14	0	14	12946	0.10814	0.00162
3013	9	0	9	2432	0.37007	0.00104
4043	1	0	1	3045	0.03284	0.00012
4049	27	0	27	1354	1.99409	0.00313
4057	3	0	3	230	1.30435	0.00035
4058	2	0	2	2675	0.07477	0.00023
4067	3	0	3	12659	0.02370	0.00035
5002	339	0	339	396164	0.08557	0.03930

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network
115 - Environmental Monitoring Assessment Program
118 - National Aquatic Resource Surveys, National Coastal Condition Assessment
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
456 - Oyster Sentinel
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
509 - SERC Water Quality Monitoring Network
560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
965 - South Florida Seagrass Fish and Invertebrate Assessment Network
3000 - Florida Keys Water Watch
3001 - Lagoon Watch (Formerly Marine Discovery Center)
3013 - Seagrass (SJRWMD)
4043 - RBNERR Fish Assessment
4049 - The South Florida Fisheries Habitat Assessment Program (FHAP)
4057 - Biscayne Bay Water Watch
4058 - City of Miami Beach Water Monitoring
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN

Specific Conductivity

Quantile Values:
Low: **0.0054** *High*: **60.73115**

Total data for *Specific Conductivity* across all programs: **452886**

Table 32: Flagged data, overview by program for **Specific Conductivity**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
69	397	397	0	248260	0.15991	0.08766
95	1	1	0	2834	0.03529	0.00022
354	9	0	9	425	2.11765	0.00199
355	1	0	1	708	0.14124	0.00022
514	1	0	1	2981	0.03355	0.00022
572	1	0	1	27	3.70370	0.00022
3013	5	0	5	2359	0.21195	0.00110
4058	16	0	16	2670	0.59925	0.00353
4067	4	0	4	13536	0.02955	0.00088
5002	416	0	416	129173	0.32205	0.09186

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
514 - Florida LAKEWATCH Program
572 - Rookery Bay National Estuarine Research Reserve Seagrass Monitoring

3013 - Seagrass (SJRWMD)
4058 - City of Miami Beach Water Monitoring
4067 - Tampa Bay Benthic Monitoring
5002 - Florida STORET / WIN

Water Temperature

Quantile Values:
Low: **6.2** *High*: **35.89**

Total data for *Water Temperature* across all programs: **919119**

Table 33: Flagged data, overview by program for **Water Temperature**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
69	109	87	22	279269	0.03903	0.01186
95	12	1	11	25852	0.04642	0.00131
103	960	179	781	30708	3.12622	0.10445
129	1	1	0	4031	0.02481	0.00011
297	15	0	15	31803	0.04717	0.00163
303	2	0	2	1977	0.10116	0.00022
355	6	6	0	2564	0.23401	0.00065
476	2	1	1	5136	0.03894	0.00022
479	3	0	3	18436	0.01627	0.00033
509	7	0	7	12044	0.05812	0.00076
513	2	0	2	8465	0.02363	0.00022
560	2	0	2	2395	0.08351	0.00022
982	2	0	2	1200	0.16667	0.00022
3001	19	3	16	13005	0.14610	0.00207
3013	3	0	3	2426	0.12366	0.00033
4043	2	0	2	3037	0.06585	0.00022
4058	2	0	2	2666	0.07502	0.00022
4067	2	0	2	16229	0.01232	0.00022
5002	668	623	45	422360	0.15816	0.07268
5008	1	0	1	3082	0.03245	0.00011

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program
95 - Harmful Algal Bloom Marine Observation Network
103 - EPA STOrage and RETrieval Data Warehouse (STORET)/WQX
129 - Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring
297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project
303 - River, Estuary and Coastal Observing Network
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
479 - Southwest Florida Water Management District - Water Quality Monitoring
509 - SERC Water Quality Monitoring Network
513 - Coastal Charlotte Harbor Monitoring Network
560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
982 - Florida Keys Bleach Watch
3001 - Lagoon Watch (Formerly Marine Discovery Center)

3013 - Seagrass (SJRWMD)

4043 - RBNERR Fish Assessment

4058 - City of Miami Beach Water Monitoring

4067 - Tampa Bay Benthic Monitoring

5002 - Florida STORET / WIN

5008 - Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region

Continuous WQ

Continuous WQ - Water Quality

Dissolved Oxygen

Quantile Values:
Low: **0.1** *High*: **13.5**

Total data for *Dissolved Oxygen* across all programs: **14928645**

Table 34: Flagged data, overview by program for **Dissolved Oxygen**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
7	9	0	9	12807	0.07027	0.00006
354	2107	920	1187	2718099	0.07752	0.01411
355	13981	3183	10798	3290712	0.42486	0.09365
467	125	78	47	258977	0.04827	0.00084
468	122	2	120	240024	0.05083	0.00082
471	64	1	63	868573	0.00737	0.00043
474	88	20	68	1580492	0.00557	0.00059
505	1	1	0	3794	0.02636	0.00001
512	1006	483	523	1734882	0.05799	0.00674
4054	2	2	0	2713909	0.00007	0.00001
5006	17	17	0	349077	0.00487	0.00011
5061	133	38	95	175021	0.07599	0.00089
5077	2286	1016	1270	856100	0.26702	0.01531

Programs containing flagged data:

7 - National Water Information System
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
505 - Pensacola Bay Water Quality Monitoring Program
512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
5061 - St. Johns River Water Management District Continuous Water Quality Programs
5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

Dissolved Oxygen Saturation

Quantile Values:
Low: **1.6** *High*: **172.8**

Total data for *Dissolved Oxygen Saturation* across all programs: **15029298**

Table 35: Flagged data, overview by program for **Dissolved Oxygen Saturation**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
354	4910	3174	1736	2742937	0.17901	0.03267
355	10708	8299	2409	3296670	0.32481	0.07125
467	269	264	5	265245	0.10142	0.00179
468	228	2	226	256119	0.08902	0.00152
471	440	9	431	875616	0.05025	0.00293
474	978	180	798	1594338	0.06134	0.00651
505	1	1	0	3748	0.02668	0.00001
512	4493	897	3596	1733952	0.25912	0.02989
4054	10	10	0	2738817	0.00037	0.00007
5006	58	58	0	349123	0.01661	0.00039
5061	235	37	198	185832	0.12646	0.00156
5077	6730	1326	5404	860722	0.78190	0.04478
10004	208	0	208	37788	0.55044	0.00138

Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
505 - Pensacola Bay Water Quality Monitoring Program
512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
5061 - St. Johns River Water Management District Continuous Water Quality Programs
5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
10004 - Florida Keys Aquatic Preserves Continuous Water Quality Monitoring

pH

Quantile Values:
Low: **5** *High*: **9**

Total data for *pH* across all programs: **15547126**

Table 36: Flagged data, overview by program for **pH**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
354	16	16	0	2972887	0.00054	0.00010
355	15813	12983	2830	3335731	0.47405	0.10171
468	315	2	313	263901	0.11936	0.00203
471	4572	0	4572	1022892	0.44697	0.02941
474	359	7	352	1836239	0.01955	0.00231
512	377	60	317	1658323	0.02273	0.00242
4054	915	0	915	2664582	0.03434	0.00589
5061	4534	0	4534	174782	2.59409	0.02916
5077	138	0	138	854957	0.01614	0.00089

Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5061 - St. Johns River Water Management District Continuous Water Quality Programs
5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

Salinity

Quantile Values:
Low: **0** *High*: **40.8**

Total data for *Salinity* across all programs: **16433443**

Table 37: Flagged data, overview by program for **Salinity**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
2	56	0	56	86204	0.06496	0.00034
7	243	0	243	72453	0.33539	0.00148
354	12590	0	12590	3079076	0.40889	0.07661
355	407	0	407	3449560	0.01180	0.00248
474	1302	0	1302	1864380	0.06984	0.00792
4054	833	0	833	2697485	0.03088	0.00507
5006	9	0	9	363074	0.00248	0.00005
5077	39	0	39	848199	0.00460	0.00024

Programs containing flagged data:

2 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array
7 - National Water Information System
354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

Water Temperature

Quantile Values:
Low: **8** *High*: **33.8**

Total data for *Water Temperature* across all programs: **38883978**

Table 38: Flagged data, overview by program for **Water Temperature**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
2	5	0	5	86204	0.00580	0.00001
5	8956	2718	6238	6334034	0.14139	0.02303
7	238	6	232	103900	0.22907	0.00061
296	2954	0	2954	3987025	0.07409	0.00760
354	11508	73	11435	3163588	0.36376	0.02960
355	13349	13014	335	3543780	0.37669	0.03433
467	1449	1396	53	300424	0.48232	0.00373
468	2826	2131	695	291796	0.96848	0.00727
471	11840	10534	1306	1312807	0.90188	0.03045
474	7900	186	7714	2006243	0.39377	0.02032
505	12	11	1	3870	0.31008	0.00003
512	1828	291	1537	1882396	0.09711	0.00470
986	306	0	306	8692018	0.00352	0.00079
989	104	1	103	1824357	0.00570	0.00027
4054	6464	2371	4093	2833605	0.22812	0.01662
5005	294	0	294	43791	0.67137	0.00076
5006	1423	1422	1	363514	0.39146	0.00366
5061	163	160	3	175480	0.09289	0.00042
5077	2945	1864	1081	889477	0.33109	0.00757
10003	51	0	51	41374	0.12327	0.00013
10004	233	0	233	37780	0.61673	0.00060

Programs containing flagged data:

2 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array

5 - National Data Buoy Center

7 - National Water Information System

296 - Florida Keys National Marine Sanctuary Seagrass Monitoring Project

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program

355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program

467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring

468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring

471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring

474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring

505 - Pensacola Bay Water Quality Monitoring Program

512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring

986 - Water Temperature on Coral Reefs in the Florida Keys

989 - Continuous Bottom Temperature Measurements along the Florida Reef Tract

4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program

5005 - Indian River Lagoon Aquatic Preserves Continuous Water Quality Monitoring

5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring

5061 - St. Johns River Water Management District Continuous Water Quality Programs

5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring

10003 - Tomoka Marsh Aquatic Preserve Continuous Water Quality Monitoring

10004 - Florida Keys Aquatic Preserves Continuous Water Quality Monitoring

Continuous WQ - Water Clarity

Turbidity

Quantile Values:
Low: **0** *High*: **503**

Total data for *Turbidity* across all programs: **14821737**

Table 39: Flagged data, overview by program for **Turbidity**

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
354	1753	0	1753	2910275	0.06023	0.01183
355	5880	0	5880	3228216	0.18214	0.03967
467	104	0	104	287748	0.03614	0.00070
468	403	0	403	225961	0.17835	0.00272
471	455	0	455	955944	0.04760	0.00307
473	27	0	27	8263	0.32676	0.00018
474	51	0	51	1577547	0.00323	0.00034
512	4444	0	4444	1498051	0.29665	0.02998
4054	1368	0	1368	2645422	0.05171	0.00923
5006	264	0	264	347567	0.07596	0.00178
5061	12	0	12	153829	0.00780	0.00008
5077	5	0	5	861466	0.00058	0.00003
10003	38	0	38	41169	0.09230	0.00026
10004	1	0	1	37639	0.00266	0.00001

Programs containing flagged data:

354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
467 - Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
468 - Central Panhandle Aquatic Preserves Continuous Water Quality Monitoring
471 - Big Bend Seagrasses Aquatic Preserves Continuous Water Quality Monitoring
473 - Terra Ceia Aquatic Preserve Continuous Water Quality Monitoring
474 - Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
512 - Charlotte Harbor Aquatic Preserves Continuous Water Quality Monitoring
4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
5006 - Northeast Aquatic Preserves Continuous Water Quality Monitoring
5061 - St. Johns River Water Management District Continuous Water Quality Programs
5077 - Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
10003 - Tomoka Marsh Aquatic Preserve Continuous Water Quality Monitoring
10004 - Florida Keys Aquatic Preserves Continuous Water Quality Monitoring