

Water Column Indicator Quantile Report

SEACAR Analysis

Last compiled on 20 June, 2024

Contents

Overview	3
Purpose	3
Relevant file locations	3
Process steps	3
Summary	4
Summary Tables	6
Nekton	6
Discrete WQ	6
Continuous WQ	7
Nekton	8
Low Quantile	8
Standard Length	8
High Quantile	32
Standard Length	32
Count	59
Discrete WQ	65
Discrete WQ - Nutrients	65
Ammonia, Un-ionized (NH3)	65
Ammonium, Filtered (NH4)	65
Nitrate (NO3)	65
Nitrite (NO2)	66
Nitrogen, organic	66
NO2+3, Filtered	66
Phosphate, Filtered (PO4)	67
Total Kjeldahl Nitrogen	67
Total Nitrogen	68
Total Nitrogen	68
Total Phosphorus	69
Discrete WQ - Water Clarity	70
Chlorophyll a, Corrected for Pheophytin	70
Chlorophyll a, Uncorrected for Pheophytin	70
Colored Dissolved Organic Matter	71
Light Extinction Coefficient	71
Secchi Depth	72
Total Suspended Solids	73
Turbidity	73
Discrete WQ - Water Quality	74

Dissolved Oxygen	74
Dissolved Oxygen Saturation	75
pH	76
Salinity	77
Specific Conductivity	78
Water Temperature	79
Continuous WQ	81
Continuous WQ - Water Quality	81
Dissolved Oxygen	81
Dissolved Oxygen Saturation	81
pH	82
Salinity	83
Water Temperature	83
Continuous WQ - Water Clarity	84
Turbidity	84

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**

The following parameters are being excluded from this analysis:

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

Nekton

Indicator: Nekton - All_NEKTON_Parameters-2024-Jun-06.txt

- Standard Length
- Presence/Absence
- Count

Discrete WQ

Indicator: Nutrients

- Ammonia, Un-ionized (NH3)
 - *Combined_WQ_WC_NUT_Ammonia_Un-ionized_NH3-2024-Jun-06.txt*
- Ammonium, Filtered (NH4)
 - *Combined_WQ_WC_NUT_NH4_Filtered-2024-Jun-06.txt*
- Nitrate (NO3)
 - *Combined_WQ_WC_NUT_Nitrate_N-2024-Jun-06.txt*
- Nitrite (NO2)
 - *Combined_WQ_WC_NUT_Nitrite_N-2024-Jun-06.txt*
- Nitrogen, organic
 - *Combined_WQ_WC_NUT_Nitrogen_organic-2024-Jun-06.txt*
- NO2+3, Filtered
 - *Combined_WQ_WC_NUT_NO2_3_Filtered-2024-Jun-06.txt*
- Phosphate, Filtered (PO4)
 - *Combined_WQ_WC_NUT_PO4_Filtered-2024-Jun-06.txt*
- Total Kjeldahl Nitrogen
 - *Combined_WQ_WC_NUT_Total_Kjeldahl_Nitrogen_TKN-2024-Jun-06.txt*
- Total Nitrogen (All)
 - *Combined_WQ_WC_NUT_Total_Nitrogen-2024-Jun-06.txt*
- Total Nitrogen (Calculated)
 - *Combined_WQ_WC_NUT_Total_Nitrogen-2024-Jun-06.txt*
- Total Phosphorus
 - *Combined_WQ_WC_NUT_Total_Phosphorus-2024-Jun-06.txt*

Indicator: Water Clarity

- Chlorophyll a, Corrected for Pheophytin
 - *Combined_WQ_WC_NUT_Chlorophyll_a_corrected_for_pheophytin-2024-Jun-06.txt*
- Chlorophyll a, Uncorrected for Pheophytin
 - *Combined_WQ_WC_NUT_Chlorophyll_a_uncorrected_for_pheophytin-2024-Jun-06.txt*
- Colored Dissolved Organic Matter
 - *Combined_WQ_WC_NUT_Colored_dissolved_organic_matter_CDOM-2024-Jun-06.txt*
- Light Extinction Coefficient
 - *Combined_WQ_WC_NUT_Light_Extinction_Coefficient-2024-Jun-06.txt*
- Secchi Depth
 - *Combined_WQ_WC_NUT_Secchi_Depth-2024-Jun-06.txt*

- Total Suspended Solids
 - *Combined_WQ_WC_NUT_Total_Suspended_Solids_TSS-2024-Jun-06.txt*
- Turbidity
 - *Combined_WQ_WC_NUT_Turbidity-2024-Jun-06.txt*

Indicator: Water Quality

- Dissolved Oxygen
 - *Combined_WQ_WC_NUT_Dissolved_Oxygen-2024-Jun-06.txt*
- Dissolved Oxygen Saturation
 - *Combined_WQ_WC_NUT_Dissolved_Oxygen_Saturation-2024-Jun-06.txt*
- pH
 - *Combined_WQ_WC_NUT_pH-2024-Jun-06.txt*
- Salinity
 - *Combined_WQ_WC_NUT_Salinity-2024-Jun-06.txt*
- Specific Conductivity
 - *Combined_WQ_WC_NUT_Specific_Conductivity-2024-Jun-06.txt*
- Water Temperature
 - *Combined_WQ_WC_NUT_Water_Temperature-2024-Jun-06.txt*

Continuous WQ

Indicator: Water Quality

- Dissolved Oxygen
 - *Combined_WQ_WC_NUT_cont_Dissolved_Oxygen_AllRegions-2024-Jun-06.txt*
- Dissolved Oxygen Saturation
 - *Combined_WQ_WC_NUT_cont_Dissolved_Oxygen_Saturation_AllRegions-2024-Jun-06.txt*
- pH
 - *Combined_WQ_WC_NUT_cont_pH_AllRegions-2024-Jun-06.txt*
- Salinity
 - *Combined_WQ_WC_NUT_cont_Salinity_AllRegions-2024-Jun-06.txt*
- Water Temperature
 - *Combined_WQ_WC_NUT_cont_Water_Temperature_AllRegions-2024-Jun-06.txt*

Indicator: Water Clarity

- Turbidity
 - *Combined_WQ_WC_NUT_cont_Turbidity_AllRegions-2024-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	1041.82	9.13	253092	0	254	0.10
Presence/Absence	0	1.00	0.41	253057	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)	-0.03	5.65	0.09	123348	124	124	0.20
Nitrate (NO3)	0.00	0.79	0.02	19644	0	20	0.10
Nitrite (NO2)	0.00	0.08	0.00	30100	0	31	0.10
Nitrogen, organic	0.03	2.70	0.57	7121	6	7	0.18
NO2+3, Filtered	0.00	3.14	0.05	138920	139	139	0.20
Phosphate, Filtered (PO4)	-0.01	0.76	0.04	59825	53	60	0.19
Total Kjeldahl Nitrogen	0.00	5.12	5.34	97604	23	98	0.12
Total Nitrogen	0.00	4.20	0.50	132488	120	132	0.19
Total Nitrogen	0.00	2.69	0.35	80863	41	80	0.15
Total Phosphorus	0.00	0.74	0.17	142813	104	141	0.17

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	110.00	6.23	46015	26	46	0.16
Chlorophyll a, Uncorrected for Pheophytin	0.0	116.88	16.85	83122	26	84	0.13

ParameterName	q low	q high	mean	n tot	n q low	n q high	pct flagged
Colored Dissolved Organic Matter	0.0	714.85	25.96	22516	0	23	0.10
Light Extinction Coefficient	0.0	7.94	0.56	15549	13	16	0.19
Secchi Depth	0.1	15.00	1.28	339064	42	311	0.10
Total Suspended Solids	0.0	183.32	14.01	72341	20	73	0.13
Turbidity	0.0	126.00	5.05	296658	69	294	0.12

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	0.22	14.00	6.55	826746	783	819	0.19
Dissolved Oxygen Saturation	0.31	175.31	79.29	145871	146	146	0.20
pH	5.30	9.30	7.92	659454	633	590	0.19
Salinity	0.00	41.00	24.49	826635	0	776	0.09
Specific Conductivity	0.01	60.40	14.30	421799	398	416	0.19
Water Temperature	6.50	33.90	24.39	876762	848	812	0.19

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	13.4	6.14	13290413	5256	12829	0.14
Dissolved Oxygen Saturation	1.5	171.3	82.56	13381044	12280	13311	0.19
pH	5.0	9.0	7.79	13801569	12258	13012	0.18
Salinity	0.0	40.9	23.89	14649084	0	13635	0.09
Water Temperature	8.1	33.8	25.54	36716557	35142	33865	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	538	11.64	13198140	1	13188	0.1

Nekton

Low Quantile

Standard Length

Table 7: Flagged Values - Low Indicator Quantile: 1

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4446	69	ANM2005070209	2005-07-14	0.9
9394	69	APM1998071401	1998-07-14	0.8
61665	69	APM1999101203	1999-10-12	0.7
44868	69	APM2000091204	2000-09-12	0.9
33258	69	APM2000121205	2000-12-12	0.9
50235	69	APM2001010701	2001-01-11	0.9
69913	69	APM2001010701	2001-01-11	0.7
51379	69	APM2001010702	2001-01-11	0.9
4612	69	APM2001010703	2001-01-11	0.9
62572	69	APM2001010706	2001-01-11	0.9
126228	69	APM2001010706	2001-01-11	0.9
155245	69	APM2001010706	2001-01-11	0.7
94407	69	APM2001020503	2001-02-07	0.7
230748	69	APM2001060707	2001-06-15	0.8
72220	69	APM2001090406	2001-09-10	0.9
89640	69	APM2001090408	2001-09-10	0.9
43075	69	APM2002010307	2002-01-08	0.9
112118	69	APM2002010406	2002-01-09	0.8
153965	69	APM2002010406	2002-01-09	0.9
163977	69	APM2002010406	2002-01-09	0.9
140340	69	APM2002010407	2002-01-09	0.9
19456	69	APM2002010408	2002-01-09	0.9
145011	69	APM2002030207	2002-03-07	0.9
113751	69	APM2002080705	2002-08-14	0.9
146984	69	APM2002091101	2002-09-30	0.9
30982	69	APM2002120507	2002-12-11	0.8
49746	69	APM2002120507	2002-12-11	0.9
230582	69	APM2002120508	2002-12-11	0.9
334623	69	APM2003010602	2003-01-14	0.9
79870	69	APM2003011004	2003-01-22	0.9
250652	69	APM2003020801	2003-02-13	0.7
66392	69	APM2003030201	2003-03-10	0.9
173943	69	APM2003030606	2003-03-14	0.6
910820	69	APM2003030705	2003-03-18	0.9
151649	69	APM2003060401	2003-06-10	0.5
107148	69	APM2003060903	2003-06-24	0.8
119586	69	APM2003060903	2003-06-24	0.7
44231	69	APM2003091107	2003-09-25	0.9
70327	69	APM2003110202	2003-11-04	0.9
19923	69	APM2003110208	2003-11-04	0.9
135450	69	APM2003110208	2003-11-04	0.8
67245	69	APM2004010304	2004-01-08	0.9
39999	69	APM2004010305	2004-01-08	0.8
237579	69	APM2004010305	2004-01-08	0.9
177515	69	APM2004010404	2004-01-09	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
22513	69	APM2004051101	2004-05-20	0.9
87652	69	APM2004051101	2004-05-20	0.7
120664	69	APM2004051101	2004-05-20	0.8
134802	69	APM2004051101	2004-05-20	0.7
155823	69	APM2004051101	2004-05-20	0.9
271743	69	APM2004051101	2004-05-20	0.8
276177	69	APM2004051101	2004-05-20	0.9
13537	69	APM2004060401	2004-06-07	0.9
55413	69	APM2004060401	2004-06-07	0.9
98037	69	APM2004060401	2004-06-07	0.7
142371	69	APM2004060401	2004-06-07	0.8
155792	69	APM2004060401	2004-06-07	0.9
190081	69	APM2004060401	2004-06-07	0.8
19539	69	APM2004070906	2004-07-19	0.9
265292	69	APM2004073401	2004-07-20	0.9
81507	69	APM2004080701	2004-08-20	0.9
176223	69	APM2004080701	2004-08-20	0.8
972041	69	APM2004080701	2004-08-20	0.7
58764	69	APM2004091005	2004-09-24	0.9
76905	69	APM2004110106	2004-11-01	0.7
90026	69	APM2004110106	2004-11-01	0.9
134884	69	APM2004110106	2004-11-01	0.8
139992	69	APM2004110203	2004-11-03	0.8
226607	69	APM2004110203	2004-11-03	0.9
108420	69	APM2004110204	2004-11-03	0.9
130618	69	APM2004110509	2004-11-15	0.9
93117	69	APM2004120402	2004-12-08	0.9
85377	69	APM2004120801	2004-12-16	0.9
99108	69	APM2004120801	2004-12-16	0.9
110281	69	APM2005050303	2005-05-09	0.9
53032	69	APM2005060103	2005-06-02	0.8
131363	69	APM2005060302	2005-06-07	0.8
190573	69	APM2005080401	2005-08-09	0.9
47330	69	APM2005080501	2005-08-10	0.8
126889	69	APM2005080503	2005-08-10	0.9
51817	69	APM2005090101	2005-09-01	0.5
138570	69	APM2005090101	2005-09-01	0.9
172582	69	APM2005090101	2005-09-01	0.6
182461	69	APM2005090101	2005-09-01	0.6
124387	69	APM2005120305	2005-12-02	0.9
228227	69	APM2006061105	2006-06-20	0.9
1084375	69	APM2006080701	2006-08-17	0.9
144221	69	APM2006080702	2006-08-17	0.9
159349	69	APM2006080708	2006-08-17	0.9
160718	69	APM2006080708	2006-08-17	0.7
82735	69	APM2006080904	2006-08-21	0.9
209546	69	APM2006080904	2006-08-21	0.9
233898	69	APM2006080904	2006-08-21	0.9
1226979	69	APM2006080904	2006-08-21	0.8
32420	69	APM2006081301	2006-08-31	0.9
32174	69	APM2006090201	2006-09-06	0.8
15254	69	APM2006090704	2006-09-15	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
310184	69	APM2006100506	2006-10-10	0.9
100672	69	APM2006110503	2006-11-09	0.9
73125	69	APM2006110504	2006-11-09	0.9
266560	69	APM2006110504	2006-11-09	0.8
314553	69	APM2006110906	2006-11-20	0.7
339930	69	APM2006110906	2006-11-20	0.8
276542	69	APM2006120810	2006-12-12	0.9
140755	69	APM2007020407	2007-02-12	0.9
207848	69	APM2007060603	2007-06-12	0.9
333884	69	APM2007060603	2007-06-12	0.9
361159	69	APM2007060603	2007-06-12	0.8
10159	69	APM2007060604	2007-06-12	0.8
185582	69	APM2007070401	2007-07-09	0.9
141185	69	APM2007070602	2007-07-12	0.8
210938	69	APM2007070602	2007-07-12	0.9
45312	69	APM2007070901	2007-07-18	0.9
243674	69	APM2007070902	2007-07-18	0.9
100736	69	APM2007080209	2007-08-03	0.9
130878	69	APM2007080209	2007-08-03	0.8
401039	69	APM2007080210	2007-08-03	0.9
153324	69	APM2007080902	2007-08-15	0.9
224287	69	APM2007080902	2007-08-15	0.8
128977	69	APM2007080905	2007-08-15	0.9
180638	69	APM2007080907	2007-08-15	0.8
1735885	69	APM2007080908	2007-08-15	0.9
185125	69	APM2007090402	2007-09-10	0.8
1217374	69	APM2007090505	2007-09-11	0.9
221965	69	APM2007100501	2007-10-10	0.9
208043	69	APM2007110701	2007-11-15	0.7
228426	69	APM2007110704	2007-11-15	0.9
434522	69	APM2007111106	2007-11-28	0.9
1806816	69	APM2007111106	2007-11-28	0.8
52132	69	APM2007111108	2007-11-28	0.8
213535	69	APM2007111108	2007-11-28	0.9
429487	69	APM2007111108	2007-11-28	0.7
191965	69	APM2007120201	2007-12-04	0.9
219639	69	APM2007120709	2007-12-11	0.9
235630	69	APM2007121003	2007-12-18	0.9
448939	69	APM2008010901	2008-01-22	0.9
191588	69	APM2008020502	2008-02-11	0.9
200598	69	APM2008030304	2008-03-06	0.9
209950	69	APM2008030304	2008-03-06	0.8
125804	69	APM2008050807	2008-05-19	0.9
473558	69	APM2008051304	2008-05-28	0.9
1467419	69	APM2008080210	2008-08-06	0.9
181127	69	APM2008081003	2008-08-20	0.8
1817380	69	APM2008081003	2008-08-20	0.7
105490	69	APM2008081004	2008-08-20	0.8
212307	69	APM2008081307	2008-08-28	0.9
1824211	69	APM2008081307	2008-08-28	0.9
306736	69	APM2008091002	2008-09-17	0.7
139091	69	APM2008101004	2008-10-17	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
183908	69	APM2008101004	2008-10-17	0.9
209999	69	APM2008101004	2008-10-17	0.8
191871	69	APM2008101006	2008-10-17	0.8
233958	69	APM2008101006	2008-10-17	0.7
963753	69	APM2008101006	2008-10-17	0.9
948809	69	APM2008110301	2008-11-04	0.7
1823543	69	APM2008110301	2008-11-04	0.9
237087	69	APM2008110304	2008-11-04	0.9
1002016	69	APM2008110304	2008-11-04	0.7
118465	69	APM2008110306	2008-11-04	0.8
286843	69	APM2008110306	2008-11-04	0.9
250332	69	APM2008110307	2008-11-04	0.9
494903	69	APM2008110307	2008-11-04	0.8
204813	69	APM2008120802	2008-12-16	0.8
272567	69	APM2008120802	2008-12-16	0.9
186246	69	APM2008120803	2008-12-16	0.7
332730	69	APM2008120803	2008-12-16	0.9
518297	69	APM2008120805	2008-12-16	0.9
1381797	69	APM2008120806	2008-12-16	0.9
289128	69	APM2009010705	2009-01-15	0.8
495257	69	APM2009010707	2009-01-15	0.9
421588	69	APM2009010708	2009-01-15	0.7
237970	69	APM2009020604	2009-02-12	0.9
338090	69	APM2009020904	2009-02-24	0.9
246243	69	APM2009030403	2009-03-10	0.9
235130	69	APM2009040604	2009-04-15	0.9
1803343	69	APM2009050205	2009-05-06	0.9
185580	69	APM2009050507	2009-05-14	0.9
935358	69	APM2009051105	2009-05-27	0.9
130454	69	APM2009060102	2009-06-01	0.8
935886	69	APM2009060601	2009-06-11	0.9
493072	69	APM2009061102	2009-06-24	0.9
464373	69	APM2009070701	2009-07-16	0.9
321130	69	APM2009071004	2009-07-28	0.9
291947	69	APM2009071005	2009-07-28	0.9
998774	69	APM2009090502	2009-09-16	0.9
370734	69	APM2009090907	2009-09-24	0.9
471297	69	APM2009090907	2009-09-24	0.8
299072	69	APM2009100808	2009-10-14	0.8
415732	69	APM2009100808	2009-10-14	0.9
1814311	69	APM2009110709	2009-11-17	0.9
234474	69	APM2009110802	2009-11-18	0.9
1891795	69	APM2009110802	2009-11-18	0.8
358418	69	APM2009110807	2009-11-18	0.9
389046	69	APM2009110807	2009-11-18	0.8
406172	69	APM2009120503	2009-12-09	0.9
485239	69	APM2009120503	2009-12-09	0.8
1053460	69	APM2009120504	2009-12-09	0.9
252417	69	APM2009120601	2009-12-14	0.8
269723	69	APM2009120601	2009-12-14	0.7
379091	69	APM2009120601	2009-12-14	0.9
243584	69	APM2009120602	2009-12-14	0.9

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188780	69	APM2010010303	2010-01-11	0.8
377368	69	APM2010010303	2010-01-11	0.8
378385	69	APM2010010303	2010-01-11	0.9
396047	69	APM2010010303	2010-01-11	0.6
399305	69	APM2010010303	2010-01-11	0.5
1896337	69	APM2010010303	2010-01-11	0.9
261501	69	APM2010010304	2010-01-11	0.9
376619	69	APM2010010601	2010-01-19	0.7
485123	69	APM2010010601	2010-01-19	0.9
402522	69	APM2010010602	2010-01-19	0.9
406678	69	APM2010010602	2010-01-19	0.8
136862	69	APM2010010603	2010-01-19	0.8
172615	69	APM2010010603	2010-01-19	0.9
396101	69	APM2010010605	2010-01-19	0.8
1085465	69	APM2010010605	2010-01-19	0.9
1761560	69	APM2010010606	2010-01-19	0.9
340163	69	APM2010030405	2010-03-05	0.9
1903983	69	APM2010030608	2010-03-09	0.9
136924	69	APM2010030801	2010-03-19	0.9
170638	69	APM2010051004	2010-05-18	0.9
235362	69	APM2010051205	2010-05-20	0.6
250824	69	APM2010051205	2010-05-20	0.9
524121	69	APM2010100605	2010-10-11	0.9
482404	69	APM2010100608	2010-10-11	0.8
1816246	69	APM2010101202	2010-10-27	0.8
530819	69	APM2010110206	2010-11-02	0.9
1170640	69	APM2010110206	2010-11-02	0.7
163862	69	APM2010120809	2010-12-15	0.9
417211	69	APM2010120809	2010-12-15	0.9
229027	69	APM2011030710	2011-03-16	0.8
187595	69	APM2011040504	2011-04-08	0.9
151402	69	APM2011060602	2011-06-10	0.9
181839	69	APM2011080808	2011-08-15	0.9
1380233	69	APM2011090202	2011-09-08	0.9
351964	69	APM2011090703	2011-09-15	0.9
363135	69	APM2011100505	2011-10-12	0.9
634988	69	APM2011100505	2011-10-12	0.8
344733	69	APM2011110106	2011-11-01	0.7
349180	69	APM2011110208	2011-11-02	0.8
188130	69	APM2011120608	2011-12-08	0.7
208601	69	APM2011120608	2011-12-08	0.9
1849364	69	APM2012010204	2012-01-05	0.9
202679	69	APM2012010205	2012-01-05	0.9
337971	69	APM2012010607	2012-01-17	0.8
680428	69	APM2012010607	2012-01-17	0.7
1234896	69	APM2012010607	2012-01-17	0.8
669874	69	APM2012020204	2012-02-02	0.8
716358	69	APM2012020204	2012-02-02	0.9
137888	69	APM2012040203	2012-04-03	0.9
300699	69	APM2012040203	2012-04-03	0.7
668206	69	APM2012040203	2012-04-03	0.8

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639104	69	APM2012040207	2012-04-03	0.8
668592	69	APM2012050108	2012-05-01	0.7
631950	69	APM2012050209	2012-05-02	0.9
248399	69	APM2012050304	2012-05-03	0.9
170671	69	APM2012050901	2012-05-18	0.9
184595	69	APM2012060602	2012-06-12	0.6
260068	69	APM2012060602	2012-06-12	0.7
312402	69	APM2012060602	2012-06-12	0.9
545467	69	APM2012060602	2012-06-12	0.9
1218868	69	APM2012060602	2012-06-12	0.8
686775	69	APM2012060901	2012-06-14	0.8
250273	69	APM2012060905	2012-06-14	0.6
684888	69	APM2012070902	2012-07-23	0.8
308366	69	APM2012071401	2012-07-31	0.8
276843	69	APM2012080104	2012-08-02	0.9
771853	69	APM2012090605	2012-09-14	0.9
233893	69	APM2012100709	2012-10-16	0.8
318788	69	APM2012110608	2012-11-07	0.9
267153	69	APM2012110903	2012-11-15	0.7
324544	69	APM2012110903	2012-11-15	0.5
405234	69	APM2012110903	2012-11-15	0.9
747690	69	APM2012110903	2012-11-15	0.8
416270	69	APM2012111003	2012-11-16	0.9
1779147	69	APM2013010601	2013-01-14	0.9
449008	69	APM2013010705	2013-01-15	0.9
353627	69	APM2013030701	2013-03-15	0.9
430460	69	APM2013040401	2013-04-08	0.9
384662	69	APM2013040402	2013-04-08	0.8
455114	69	APM2013080905	2013-08-12	0.9
478014	69	APM2013090501	2013-09-12	0.8
1799576	69	APM2013090501	2013-09-12	0.9
488722	69	APM2013090502	2013-09-12	0.7
561590	69	APM2013090704	2013-09-13	0.8
841549	69	APM2013110304	2013-11-05	0.9
376989	69	APM2013110606	2013-11-12	0.9
566694	69	APM2013120103	2013-12-02	0.9
369167	69	APM2013120106	2013-12-02	0.7
510677	69	APM2013120106	2013-12-02	0.9
857750	69	APM2013120106	2013-12-02	0.8
949205	69	APM2013120106	2013-12-02	0.9
518738	69	APM2013120407	2013-12-05	0.8
1801183	69	APM2013120407	2013-12-05	0.9
437253	69	APM2013120808	2013-12-11	0.8
574172	69	APM2014020805	2014-02-14	0.9
225294	69	APM2014070801	2014-07-11	0.8
633472	69	APM2014071505	2014-07-24	0.7
231636	69	APM2014080702	2014-08-11	0.8
173998	69	APM2014090302	2014-09-04	0.8
180608	69	APM2014090507	2014-09-10	0.8
205344	69	APM2014100204	2014-10-02	0.9
184950	69	APM2014100303	2014-10-03	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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467390	69	APM2014100303	2014-10-03	0.7
598478	69	APM2014100303	2014-10-03	0.8
646849	69	APM2014100303	2014-10-03	0.8
669144	69	APM2014100303	2014-10-03	0.9
674760	69	APM2014100303	2014-10-03	0.9
504717	69	APM2014100803	2014-10-15	0.9
501223	69	APM2014101104	2014-10-23	0.8
596220	69	APM2014101104	2014-10-23	0.7
626378	69	APM2014101104	2014-10-23	0.9
502685	69	APM2014120705	2014-12-11	0.9
1851973	69	APM2015050405	2015-05-06	0.9
483157	69	APM2015050505	2015-05-07	0.9
741929	69	APM2015050505	2015-05-07	0.9
745791	69	APM2015050505	2015-05-07	0.8
249921	69	APM2015060106	2015-06-01	0.9
428780	69	APM2015070204	2015-07-02	0.8
1850720	69	APM2015070204	2015-07-02	0.6
1825904	69	APM2015090601	2015-09-09	0.9
767401	69	APM2015090605	2015-09-09	0.9
1801834	69	APM2015090605	2015-09-09	0.7
269956	69	APM2015090906	2015-09-16	0.8
449243	69	APM2015090906	2015-09-16	0.7
1840699	69	APM2015090906	2015-09-16	0.9
217641	69	APM2015110101	2015-11-02	0.9
304735	69	APM2015120306	2015-12-07	0.8
375570	69	APM2015120402	2015-12-08	0.9
727729	69	APM2016010505	2016-01-13	0.8
832630	69	APM2016020202	2016-02-01	0.9
846977	69	APM2016020202	2016-02-01	0.8
294966	69	APM2016020203	2016-02-01	0.6
325312	69	APM2016020203	2016-02-01	0.7
440494	69	APM2016020203	2016-02-01	0.9
586302	69	APM2016020203	2016-02-01	0.8
303616	69	APM2016020204	2016-02-01	0.9
326722	69	APM2016020204	2016-02-01	0.7
544211	69	APM2016020406	2016-02-02	0.7
686684	69	APM2016040507	2016-04-07	0.9
682614	69	APM2016060804	2016-06-09	0.8
389656	69	APM2016061103	2016-06-15	0.7
394227	69	APM2016061103	2016-06-15	0.9
477708	69	APM2016061103	2016-06-15	0.6
486986	69	APM2016061103	2016-06-15	0.8
871498	69	APM2016080103	2016-08-02	0.8
760213	69	APM2016100503	2016-10-10	0.7
1849442	69	APM2016120205	2016-12-02	0.9
744011	69	APM2016120402	2016-12-06	0.8
1812512	69	APM2016120608	2016-12-08	0.9
1001943	69	APM2016120704	2016-12-12	0.8
719030	69	APM2017010306	2017-01-05	0.8
410448	69	APM2017010401	2017-01-06	0.9
412679	69	APM2017010401	2017-01-06	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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188601	69	APM2017020409	2017-02-02	0.9
1847570	69	APM2017030306	2017-03-07	0.8
261981	69	APM2017040107	2017-04-04	0.9
903344	69	APM2017040107	2017-04-04	0.9
403798	69	APM2017060405	2017-06-05	0.6
936483	69	APM2017061302	2017-06-23	0.9
740506	69	APM2017080304	2017-08-02	0.8
613392	69	APM2017090503	2017-09-13	0.6
742973	69	APM2017090504	2017-09-13	0.9
587622	69	APM2017090608	2017-09-13	0.9
911738	69	APM2017090801	2017-09-14	0.8
550155	69	APM2017110105	2017-11-01	0.7
602468	69	APM2017110105	2017-11-01	0.9
650398	69	APM2017110105	2017-11-01	0.8
1872520	69	APM2017110105	2017-11-01	0.8
2839325	69	APM2018010805	2018-01-16	0.8
3838130	69	APM2018010805	2018-01-16	0.9
1245807	69	APM2018020701	2018-02-14	0.8
2841448	69	APM2018020701	2018-02-14	0.9
2649760	69	APM2018020805	2018-02-14	0.9
2240485	69	APM2018030104	2018-03-05	0.9
1772089	69	APM2018080708	2018-08-13	0.8
1351119	69	APM2018100101	2018-10-01	0.7
1640424	69	APM2018100101	2018-10-01	0.8
2864005	69	APM2018100101	2018-10-01	0.9
1694549	69	APM2018101001	2018-10-23	0.9
2025642	69	APM2018101001	2018-10-23	0.5
1784097	69	APM2018110601	2018-11-07	0.8
2226629	69	APM2018110601	2018-11-07	0.7
1984011	69	APM2018110602	2018-11-07	0.9
1739358	69	APM2018120601	2018-12-11	0.9
1787817	69	APM2018120601	2018-12-11	0.9
2857931	69	APM2019010201	2019-01-03	0.9
2876124	69	APM2019010201	2019-01-03	0.8
1195046	69	APM2019010202	2019-01-03	0.9
1236447	69	APM2019010202	2019-01-03	0.8
1784278	69	APM2019010202	2019-01-03	0.9
2248484	69	APM2019010202	2019-01-03	0.8
1760355	69	APM2019010203	2019-01-03	0.7
1781056	69	APM2019010203	2019-01-03	0.8
1781858	69	APM2019010203	2019-01-03	0.7
2241974	69	APM2019010203	2019-01-03	0.8
2269034	69	APM2019010203	2019-01-03	0.9
2751609	69	APM2019010203	2019-01-03	0.9
2952802	69	APM2019010203	2019-01-03	0.5
1782125	69	APM2019010502	2019-01-09	0.9
1642063	69	APM2019020207	2019-02-05	0.8
3784665	69	APM2019020207	2019-02-05	0.9
3860449	69	APM2019020804	2019-02-21	0.8
1977632	69	APM2019070406	2019-07-08	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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1620529	69	APM2019080504	2019-08-06	0.9
2021427	69	APM2019080601	2019-08-06	0.7
2317361	69	APM2019080705	2019-08-07	0.7
1635622	69	APM2019080802	2019-08-08	0.7
1660809	69	APM2019080802	2019-08-08	0.8
1680660	69	APM2019081402	2019-08-20	0.9
1980324	69	APM2019081402	2019-08-20	0.7
1249336	69	APM2019090201	2019-09-05	0.9
1747964	69	APM2019090201	2019-09-05	0.9
2160820	69	APM2019090201	2019-09-05	0.8
1276935	69	APM2019090403	2019-09-06	0.8
1638777	69	APM2019090403	2019-09-06	0.5
1746651	69	APM2019090506	2019-09-09	0.9
2037490	69	APM2019090703	2019-09-07	0.9
2693094	69	APM2019110101	2019-11-04	0.9
2363503	69	APM2019110701	2019-11-15	0.9
2806632	69	APM2019110701	2019-11-15	0.8
2154345	69	APM2019120202	2019-12-02	0.7
2819084	69	APM2019120202	2019-12-02	0.9
1254396	69	APM2019120203	2019-12-02	0.8
1734607	69	APM2019120303	2019-12-03	0.8
2174361	69	APM2020010105	2020-01-06	0.8
2388626	69	APM2020010105	2020-01-06	0.9
1682406	69	APM2020010106	2020-01-06	0.9
1763527	69	APM2020010210	2020-01-06	0.7
1765580	69	APM2020010210	2020-01-06	0.8
2230621	69	APM2020010210	2020-01-06	0.9
2416181	69	APM2020010212	2020-01-06	0.9
1720742	69	APM2020010302	2020-01-07	0.9
2163795	69	APM2020010302	2020-01-07	0.7
2230494	69	APM2020040201	2020-04-01	0.9
2162677	69	APM2020060403	2020-06-10	0.9
2335129	69	APM2020070901	2020-07-16	0.7
2383735	69	APM2020070901	2020-07-16	0.9
1722633	69	APM2020090706	2020-09-25	0.9
2936419	69	APM2020100205	2020-10-06	0.9
1776026	69	APM2021050801	2021-05-25	0.7
2140875	69	APM2021050801	2021-05-25	0.8
2140876	69	APM2021050801	2021-05-25	0.9
2284136	69	APM2021050801	2021-05-25	0.6
2002441	69	APM2021060602	2021-06-08	0.9
2619871	69	APM2021070403	2021-07-08	0.9
2018439	69	APM2021070404	2021-07-08	0.9
2281916	69	APM2021070404	2021-07-08	0.7
2600296	69	APM2021070404	2021-07-08	0.8
2689213	69	APM2021070404	2021-07-08	0.9
2735494	69	APM2021070404	2021-07-08	0.8
3837295	69	APM2021070404	2021-07-08	0.7
3868198	69	APM2021070404	2021-07-08	0.6
2758324	69	APM2021070405	2021-07-08	0.8
2810582	69	APM2021070405	2021-07-08	0.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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2732317	69	APM2021100101	2021-10-01	0.9
2637215	69	APM2021100102	2021-10-01	0.9
2766377	69	APM2022010201	2022-01-13	0.7
2841893	69	APM2022010202	2022-01-13	0.8
2377436	69	APM2022010303	2022-01-19	0.9
2684341	69	APM2022060304	2022-06-02	0.8
2031815	69	APM2022070205	2022-07-05	0.8
2495233	69	APM2022070801	2022-07-19	0.8
2858387	69	APM2022070801	2022-07-19	0.6
2867332	69	APM2022070801	2022-07-19	0.9
2881133	69	APM2022070801	2022-07-19	0.7
2962551	69	APM2022070801	2022-07-19	0.5
2142460	69	APM2022071004	2022-07-22	0.9
2839528	69	APM2022071004	2022-07-22	0.8
2698604	69	APM2022071202	2022-07-25	0.9
2138859	69	APM2022080202	2022-08-05	0.7
2673191	69	APM2022080203	2022-08-05	0.6
2201324	69	APM2022110503	2022-11-03	0.7
2201892	69	APM2022110503	2022-11-03	0.8
2852950	69	APM2022110503	2022-11-03	0.9
3872348	69	APM2022110503	2022-11-03	0.6
2669373	69	APM2022110706	2022-11-07	0.8
2805543	69	APM2022110706	2022-11-07	0.9
1331087	69	BBM2009070103	2009-07-10	0.9
658836	69	BBM2009070108	2009-07-10	0.9
719908	69	BBM2009070203	2009-07-13	0.8
630384	69	BBM2009100107	2009-10-26	0.8
603342	69	BBM2010050303	2010-05-06	0.8
1524306	69	BBM2011050201	2011-05-10	0.3
183848	69	BBM2013110201	2013-11-07	0.9
1004753	69	BBM2013110201	2013-11-07	0.8
141508	69	BBM2014060103	2014-06-17	0.9
1069225	69	BBM2014060110	2014-06-17	0.9
421982	69	BBM2014070303	2014-07-18	0.9
485593	69	BBM2014070407	2014-07-22	0.9
419038	69	BBM2015110202	2015-11-16	0.9
1689180	69	BBM2019060102	2019-06-14	0.9
2256770	69	BBM2019060115	2019-06-14	0.9
2380437	69	BBM2019070303	2019-07-23	0.9
1229080	69	BBM2020090106	2020-09-03	0.9
2853769	69	BBM2021070105	2021-07-08	0.9
1218812	69	CHM1989050906	1989-05-09	0.9
658306	69	CHM1991051307	1991-05-13	0.9
831629	69	CHM1991100101	1991-10-01	0.9
1870236	69	CHM1991102110	1991-10-21	0.9
460438	69	CHM1992102405	1992-10-24	0.6
667989	69	CHM1992102605	1992-10-26	0.9
1033466	69	CHM1992102701	1992-10-27	0.8
722357	69	CHM1992102704	1992-10-27	0.8
1841145	69	CHM1992102706	1992-10-27	0.9
254239	69	CHM1992102707	1992-10-27	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
439550	69	CHM1992102709	1992-10-27	0.9
463127	69	CHM1994092614	1994-09-26	0.9
740831	69	CHM1994100403	1994-10-04	0.7
750962	69	CHM1994100403	1994-10-04	0.6
920825	69	CHM1994100403	1994-10-04	0.9
306240	69	CHM1994100406	1994-10-04	0.8
461968	69	CHM1994100406	1994-10-04	0.6
907867	69	CHM1994100406	1994-10-04	0.5
459909	69	CHM1994100407	1994-10-04	0.7
822891	69	CHM1994100407	1994-10-04	0.6
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1139793	69	CHM1998100703	1998-10-07	0.9
589272	69	CHM1999100502	1999-10-05	0.7
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261165	69	CHM2006071305	2006-07-24	0.7
652916	69	CHM2006110504	2006-11-09	0.9
296786	69	CHM2007060405	2007-06-13	0.9
485965	69	CHM2009051008	2009-05-07	0.6
808144	69	CHM2010050906	2010-05-13	0.8
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372515	69	CHM2010060211	2010-06-09	0.5
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815917	69	CHM2010060211	2010-06-09	0.8
877428	69	CHM2010060211	2010-06-09	0.7
1455582	69	CHM2010060211	2010-06-09	0.6
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356307	69	CHM2010100201	2010-10-12	0.9

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1879242	69	CHM2010100404	2010-10-15	0.9
1940672	69	CHM2010100404	2010-10-15	0.6
419647	69	CHM2010100409	2010-10-15	0.9
538881	69	CHM2011041303	2011-04-22	0.9
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1154597	69	CHM2011041303	2011-04-22	0.7
1176745	69	CHM2011041303	2011-04-22	0.6
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671932	69	CHM2014100603	2014-10-29	0.9
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1156460	69	CHM2015070501	2015-07-17	0.7
668169	69	CHM2015110203	2015-11-10	0.9
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1043283	69	CHM2016100508	2016-10-10	0.6
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1770548	69	CHM2020100201	2020-10-27	0.8
1998084	69	CHM2020100201	2020-10-27	0.9
1998401	69	CHM2020100201	2020-10-27	0.9
2346947	69	CHM2020100201	2020-10-27	0.8
2828916	69	CHM2020100201	2020-10-27	0.7
3832038	69	CHM2020100201	2020-10-27	0.7
3832095	69	CHM2020100201	2020-10-27	0.9
1797102	69	CHM2020100406	2020-10-16	0.8
1364135	69	CHM2020100801	2020-10-02	0.7
3861605	69	CHM2022070602	2022-07-08	0.9
2119227	69	CHM2022101304	2022-10-24	0.9
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487497	69	CKM1996061902	1996-06-19	0.9
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797101	69	CKM1996080201	1996-08-02	0.9
412451	69	CKM1996091007	1996-09-10	0.9
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727681	69	CKM1996101104	1996-10-11	0.8
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500055	69	CKM1997062305	1997-06-23	0.9
892047	69	CKM2001090902	2001-09-20	0.9
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507353	69	CKM2004050703	2004-05-17	0.8
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3772620	69	CKM2004050703	2004-05-17	0.7
527572	69	CKM2004050905	2004-05-25	0.8
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560415	69	CKM2005060701	2005-06-14	0.9
3797859	69	CKM2005060701	2005-06-14	0.7
545838	69	CKM2005060702	2005-06-14	0.5
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928021	69	CKM2006070501	2006-07-06	0.9
893493	69	CKM2006080408	2006-08-04	0.9
575360	69	CKM2007060704	2007-06-14	0.9
838426	69	CKM2007080702	2007-08-14	0.8
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907336	69	CKM2007090101	2007-09-04	0.9

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1869278	69	CKM2008080205	2008-08-04	0.9
1881153	69	CKM2008080402	2008-08-05	0.9
2443893	69	CKM2009080603	2009-08-17	0.6
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1015126	69	CKM2009110106	2009-11-02	0.6
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1177283	69	CKM2010070702	2010-07-14	0.9
930353	69	CKM2010070704	2010-07-14	0.4
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2470323	69	CKM2010070704	2010-07-14	0.7
1884561	69	CKM2011050707	2011-05-12	0.7
2479234	69	CKM2011090606	2011-09-12	0.9
368940	69	CKM2012010502	2012-01-10	0.9
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1112897	69	CKM2012070802	2012-07-13	0.9
1115167	69	CKM2012070803	2012-07-13	0.8
965299	69	CKM2012080406	2012-08-06	0.9
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651045	69	CKM2013060606	2013-06-18	0.8
987470	69	CKM2013060606	2013-06-18	0.9
1091203	69	CKM2013090301	2013-09-11	0.9
1247208	69	CKM2014060304	2014-06-03	0.7
1884984	69	CKM2014060304	2014-06-03	0.6
2526769	69	CKM2014060304	2014-06-03	0.9
978061	69	CKM2014080202	2014-08-01	0.7
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936138	69	CKM2016120608	2016-12-09	0.8
984675	69	CKM2017050805	2017-05-17	0.7
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2385019	69	CKM2018010201	2018-01-09	0.9
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2591521	69	CKM2018090804	2018-09-12	0.9
1709570	69	CKM2019060807	2019-06-17	0.8
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3841234	69	CKM2019080705	2019-08-08	0.9
2688634	69	CZM2006020107	2006-02-07	0.9
2373363	69	CZM2007070104	2007-07-31	0.9
1092891	69	HIM2010090101	2010-09-16	0.9
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3850226	69	IRM1995092501	1995-09-25	0.9

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1152782	69	IRM2003020309	2003-02-06	0.9
1010234	69	IRM2003030408	2003-03-11	0.9
387778	69	IRM2003070201	2003-07-02	0.8
1397987	69	IRM2003070503	2003-07-08	0.8
444215	69	IRM2004010605	2004-01-20	0.9
1809122	69	IRM2004010605	2004-01-20	0.8
455201	69	IRM2004010608	2004-01-20	0.7
2079584	69	IRM2004060806	2004-06-17	0.9
821779	69	IRM2005010410	2005-01-10	0.9
1928023	69	IRM2005060806	2005-06-15	0.9
1101309	69	IRM2005100402	2005-10-11	0.9
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1041934	69	IRM2005110107	2005-11-01	0.8
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2830328	69	IRM2006090306	2006-09-08	0.8
798397	69	IRM2006090902	2006-09-22	0.9
1392462	69	IRM2006090902	2006-09-22	0.9
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812031	69	IRM2009070602	2009-07-10	0.8
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1229997	69	IRM2013010801	2013-01-23	0.9
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1596875	69	IRM2013020803	2013-02-21	0.9
1253250	69	IRM2013081103	2013-08-19	0.7
1352833	69	IRM2013091303	2013-09-24	0.9
1447579	69	IRM2013110405	2013-11-05	0.9
1883265	69	IRM2014020108	2014-02-03	0.8
1165579	69	IRM2014020702	2014-02-11	0.6
1137939	69	IRM2014040901	2014-04-15	0.9
1240869	69	IRM2014051101	2014-05-13	0.9
1291664	69	IRM2014051104	2014-05-13	0.9
1221346	69	IRM2014070302	2014-07-02	0.9
1034439	69	IRM2014091302	2014-09-19	0.8
966272	69	IRM2014101406	2014-10-16	0.9
1248680	69	IRM2015040906	2015-04-14	0.9
1292681	69	IRM2015041402	2015-04-21	0.8
3781502	69	IRM2015041402	2015-04-21	0.9
2220792	69	IRM2015051301	2015-05-19	0.9

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1130324	69	IRM2016091103	2016-09-28	0.9
727870	69	IRM2016091105	2016-09-28	0.9
1645043	69	IRM2016120707	2016-12-12	0.9
1002906	69	IRM2017010306	2017-01-09	0.9
1362393	69	IRM2017010306	2017-01-09	0.8
1360711	69	IRM2017030405	2017-03-06	0.9
1367428	69	IRM2017030408	2017-03-06	0.9
2262498	69	IRM2017060206	2017-06-02	0.9
1243581	69	IRM2017081101	2017-08-18	0.8
1541599	69	IRM2017090803	2017-09-19	0.6
1345741	69	IRM2017091203	2017-09-25	0.9
2275380	69	IRM2017100108	2017-10-02	0.9
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3822505	69	IRM2018020707	2018-02-21	0.9
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2427564	69	IRM2018030401	2018-03-06	0.9
1951073	69	IRM2018050802	2018-05-17	0.9
2282490	69	IRM2018050802	2018-05-17	0.8
2030598	69	IRM2018070503	2018-07-09	0.9
2152644	69	IRM2018080403	2018-08-06	0.9
3790601	69	IRM2018080403	2018-08-06	0.9
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2211106	69	IRM2018120606	2018-12-10	0.9
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1426410	69	IRM2019101305	2019-10-24	0.9
2232515	69	IRM2020010902	2020-01-17	0.8
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2275708	69	IRM2020080702	2020-08-11	0.9
2483602	69	IRM2020100801	2020-10-14	0.8
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1420344	69	IRM2020120402	2020-12-07	0.5
2134751	69	IRM2020120402	2020-12-07	0.7
2358207	69	IRM2020120402	2020-12-07	0.9
2359824	69	IRM2020120402	2020-12-07	0.6
2372111	69	IRM2020120402	2020-12-07	0.8
2295340	69	JXM2002090404	2002-09-11	0.9
1885117	69	JXM2002090804	2002-09-19	0.8
1514892	69	JXM2002120503	2002-12-16	0.8
1546990	69	JXM2002120503	2002-12-16	0.9
1099996	69	JXM2003030206	2003-03-05	0.9
1162901	69	JXM2003050503	2003-05-13	0.9
1143032	69	JXM2003050601	2003-05-15	0.9
970418	69	JXM2003050602	2003-05-15	0.8
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1246884	69	JXM2003110308	2003-11-12	0.9

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1915656	69	JXM2004110307	2004-11-04	0.8
1221961	69	JXM2004110509	2004-11-10	0.8
1174906	69	JXM2004111104	2004-11-23	0.8
1917194	69	JXM2004111104	2004-11-23	0.9
1366257	69	JXM2004120207	2004-12-02	0.9
1529888	69	JXM2004120207	2004-12-02	0.8
553156	69	JXM2004120208	2004-12-02	0.9
554262	69	JXM2004120208	2004-12-02	0.8
1182625	69	JXM2004120208	2004-12-02	0.7
1176934	69	JXM2004120209	2004-12-02	0.8
1344982	69	JXM2004120209	2004-12-02	0.6
1349919	69	JXM2004120209	2004-12-02	0.9
1557125	69	JXM2004120209	2004-12-02	0.7
561429	69	JXM2004120604	2004-12-09	0.9
1597337	69	JXM2005050408	2005-05-11	0.8
1211820	69	JXM2005060708	2005-06-20	0.5
1223957	69	JXM2005080501	2005-08-08	0.8
1492287	69	JXM2005090404	2005-09-19	0.9
971175	69	JXM2005090505	2005-09-09	0.9
1915158	69	JXM2005100309	2005-10-26	0.8
1275077	69	JXM2005110201	2005-11-08	0.8
1194891	69	JXM2005110310	2005-11-09	0.8
1962478	69	JXM2005110310	2005-11-09	0.9
1237133	69	JXM2005120202	2005-12-13	0.7
1522081	69	JXM2006010506	2006-01-06	0.9
572726	69	JXM2006010508	2006-01-06	0.9
1077953	69	JXM2006050301	2006-05-08	0.9
1537047	69	JXM2006070303	2006-07-14	0.7
1082835	69	JXM2006070402	2006-07-20	0.7
1959857	69	JXM2006100403	2006-10-26	0.8
1479869	69	JXM2007090107	2007-09-10	0.7
1228137	69	JXM2007110506	2007-11-13	0.9
1384480	69	JXM2007110506	2007-11-13	0.8
1921359	69	JXM2007110506	2007-11-13	0.7
1224691	69	JXM2008020406	2008-02-21	0.9
1588014	69	JXM2008020406	2008-02-21	0.9
1439094	69	JXM2008030402	2008-03-17	0.9
1190523	69	JXM2008050403	2008-05-08	0.8
1517913	69	JXM2008060305	2008-06-06	0.9
640202	69	JXM2008120204	2008-12-08	0.6
644866	69	JXM2008120204	2008-12-08	0.9
1514265	69	JXM2009010206	2009-01-09	0.9
1031111	69	JXM2009010208	2009-01-09	0.9
1318170	69	JXM2009010305	2009-01-12	0.9
1883633	69	JXM2009010305	2009-01-12	0.9
901194	69	JXM2009080201	2009-08-24	0.9
1393046	69	JXM2009080201	2009-08-24	0.7
1528942	69	JXM2009080201	2009-08-24	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2463975	69	JXM2009080201	2009-08-24	0.8
2467407	69	JXM2009080201	2009-08-24	0.7
1041879	69	JXM2010020306	2010-02-02	0.9
1249354	69	JXM2010020306	2010-02-02	0.9
1266661	69	JXM2010040407	2010-04-20	0.9
582402	69	JXM2010050405	2010-05-18	0.8
1211196	69	JXM2010050405	2010-05-18	0.7
1576083	69	JXM2010050405	2010-05-18	0.9
1833822	69	JXM2010050405	2010-05-18	0.6
2511078	69	JXM2010050405	2010-05-18	0.6
3823552	69	JXM2010050405	2010-05-18	0.9
1975682	69	JXM2010060302	2010-06-02	0.8
1623476	69	JXM2010081303	2010-08-27	0.9
1284405	69	JXM2010090208	2010-09-09	0.9
1905199	69	JXM2010090403	2010-09-08	0.9
1142643	69	JXM2010100209	2010-10-08	0.9
2554260	69	JXM2010111203	2010-11-23	0.9
1034259	69	JXM2011020202	2011-02-03	0.8
2561260	69	JXM2011020508	2011-02-23	0.8
1153231	69	JXM2011081303	2011-08-19	0.9
628781	69	JXM2011081305	2011-08-19	0.7
1308565	69	JXM2011081305	2011-08-19	0.8
2572004	69	JXM2011081305	2011-08-19	0.9
1297972	69	JXM2012010301	2012-01-25	0.9
1326004	69	JXM2012010404	2012-01-05	0.9
3835576	69	JXM2012030304	2012-03-28	0.9
1595228	69	JXM2012030409	2012-03-16	0.9
1910077	69	JXM2012040401	2012-04-10	0.9
1490393	69	JXM2012070305	2012-07-23	0.8
3833433	69	JXM2012070305	2012-07-23	0.9
653762	69	JXM2012071301	2012-07-31	0.7
1153699	69	JXM2012071301	2012-07-31	0.8
1285418	69	JXM2012071301	2012-07-31	0.7
1293498	69	JXM2012071301	2012-07-31	0.9
1493279	69	JXM2012091302	2012-09-13	0.8
1513763	69	JXM2012091302	2012-09-13	0.9
1914536	69	JXM2012100409	2012-10-15	0.8
1110781	69	JXM2013020201	2013-02-27	0.8
1400222	69	JXM2013020406	2013-02-22	0.8
1035733	69	JXM2013080306	2013-08-27	0.9
1179677	69	JXM2013080306	2013-08-27	0.9
1299440	69	JXM2013080306	2013-08-27	0.8
1358858	69	JXM2013090503	2013-09-23	0.9
1037015	69	JXM2013110509	2013-11-19	0.7
1199896	69	JXM2013110509	2013-11-19	0.9
1933493	69	JXM2014050408	2014-05-29	0.9
1323610	69	JXM2014070304	2014-07-10	0.9
1341115	69	JXM2014070304	2014-07-10	0.6
1893267	69	JXM2014070304	2014-07-10	0.8
595132	69	JXM2014100503	2014-10-02	0.7
1483559	69	JXM2015020402	2015-02-09	0.9
1105027	69	JXM2015040503	2015-04-28	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1321328	69	JXM2015040503	2015-04-28	0.9
1558856	69	JXM2015040506	2015-04-28	0.7
1852115	69	JXM2015040506	2015-04-28	0.9
1953986	69	JXM2015090308	2015-09-22	0.8
1325513	69	JXM2015110406	2015-11-23	0.9
1346305	69	JXM2016050601	2016-05-04	0.8
1332943	69	JXM2016060308	2016-06-02	0.7
1345712	69	JXM2016060308	2016-06-02	0.9
1478721	69	JXM2016060308	2016-06-02	0.7
2721226	69	JXM2016060308	2016-06-02	0.6
1360601	69	JXM2016060309	2016-06-02	0.7
2770223	69	JXM2016060309	2016-06-02	0.9
1593116	69	JXM2016100504	2016-10-14	0.8
610462	69	JXM2017030202	2017-03-16	0.9
1364633	69	JXM2017030202	2017-03-16	0.8
1367390	69	JXM2017030202	2017-03-16	0.7
1064843	69	JXM2017050303	2017-05-01	0.7
1438619	69	JXM2017050303	2017-05-01	0.5
1478863	69	JXM2017050303	2017-05-01	0.9
3851304	69	JXM2017050303	2017-05-01	0.8
1834607	69	JXM2017090201	2017-09-07	0.8
1054532	69	JXM2017090407	2017-09-21	0.7
1188207	69	JXM2017090508	2017-09-06	0.5
1393684	69	JXM2017090508	2017-09-06	0.8
1895209	69	JXM2017090508	2017-09-06	0.9
1953269	69	JXM2017090508	2017-09-06	0.7
2757051	69	JXM2017090508	2017-09-06	0.6
1212488	69	JXM2017090509	2017-09-06	0.5
1395456	69	JXM2017090509	2017-09-06	0.8
2753400	69	JXM2017090509	2017-09-06	0.9
1349019	69	JXM2017110409	2017-11-20	0.7
1538253	69	JXM2017110409	2017-11-20	0.8
2718598	69	JXM2017110409	2017-11-20	0.9
654504	69	JXM2017120610	2017-12-05	0.7
1285033	69	JXM2017120610	2017-12-05	0.9
2228185	69	JXM2018011201	2018-01-17	0.9
2281498	69	JXM2018020306	2018-02-15	0.9
1648992	69	JXM2018040207	2018-04-24	0.8
2776876	69	JXM2018040207	2018-04-24	0.9
2759576	69	JXM2018040402	2018-04-25	0.8
2411687	69	JXM2018050509	2018-05-14	0.9
2234038	69	JXM2018060309	2018-06-06	0.9
2285862	69	JXM2018060309	2018-06-06	0.5
2056187	69	JXM2018070304	2018-07-05	0.9
2279502	69	JXM2018070304	2018-07-05	0.8
2307628	69	JXM2018070304	2018-07-05	0.7
2227492	69	JXM2018090206	2018-09-10	0.7
2281098	69	JXM2018090206	2018-09-10	0.9
2319122	69	JXM2018100304	2018-10-12	0.8
3833769	69	JXM2018100304	2018-10-12	0.9
2311550	69	JXM2018100305	2018-10-12	0.6
2312807	69	JXM2018100305	2018-10-12	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2576361	69	JXM2018100305	2018-10-12	0.8
2581603	69	JXM2018100305	2018-10-12	0.7
2582352	69	JXM2018100305	2018-10-12	0.5
2285031	69	JXM2018100502	2018-10-11	0.7
2309190	69	JXM2018100502	2018-10-11	0.9
2319452	69	JXM2018100502	2018-10-11	0.8
2308888	69	JXM2018110407	2018-11-19	0.9
2311865	69	JXM2018120308	2018-12-18	0.9
2093976	69	JXM2019010408	2019-01-09	0.8
2098059	69	JXM2019010408	2019-01-09	0.7
3797405	69	JXM2019010408	2019-01-09	0.9
2283665	69	JXM2019020306	2019-02-07	0.7
2363921	69	JXM2019030402	2019-03-11	0.9
2095403	69	JXM2019050304	2019-05-16	0.8
2205641	69	JXM2019050304	2019-05-16	0.7
2720842	69	JXM2019050304	2019-05-16	0.9
2177540	69	JXM2019050506	2019-05-15	0.8
2692538	69	JXM2019080202	2019-08-08	0.9
2015437	69	JXM2019080301	2019-08-05	0.8
1532087	69	JXM2019110407	2019-11-18	0.8
3792961	69	JXM2019110407	2019-11-18	0.9
2049861	69	JXM2020010304	2020-01-06	0.9
2303113	69	JXM2020100406	2020-10-13	0.9
2137427	69	JXM2020110303	2020-11-20	0.8
2141434	69	JXM2020110303	2020-11-20	0.7
3770560	69	JXM2020110303	2020-11-20	0.6
3794183	69	JXM2020110303	2020-11-20	0.5
2287078	69	JXM2020120306	2020-12-02	0.9
2311934	69	JXM2020120306	2020-12-02	0.8
2470507	69	JXM2021020506	2021-02-10	0.8
2183584	69	JXM2021040403	2021-04-23	0.7
2858188	69	JXM2021050307	2021-05-10	0.9
2884236	69	JXM2021050307	2021-05-10	0.9
2888535	69	JXM2021050307	2021-05-10	0.9
3825025	69	JXM2021060304	2021-06-02	0.9
2608589	69	JXM2021070301	2021-07-13	0.9
2231972	69	JXM2021070303	2021-07-13	0.9
2071676	69	JXM2021070304	2021-07-13	0.9
2663152	69	JXM2021070304	2021-07-13	0.8
2274602	69	JXM2022090406	2022-09-27	0.7
2154067	69	JXM2022090409	2022-09-27	0.9
2391755	69	JXM2022110302	2022-11-17	0.9
2784640	69	JXM2022110302	2022-11-17	0.8
2095699	69	JXM2022110303	2022-11-17	0.8
2464993	69	JXM2022110303	2022-11-17	0.5
2827207	69	JXM2022110303	2022-11-17	0.6
3839712	69	JXM2022110303	2022-11-17	0.9
2277333	69	JXM2022110307	2022-11-17	0.9
2822076	69	JXM2022110307	2022-11-17	0.7
2825802	69	JXM2022110307	2022-11-17	0.8
2124572	69	JXM2022110407	2022-11-21	0.8
2834365	69	JXM2022110407	2022-11-21	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1594856	69	KYM2000080102	2000-08-01	0.9
1237586	69	SAM2014060101	2014-06-19	0.9
2085051	69	SAM2016110103	2016-11-15	0.9
1972030	69	SAM2019070209	2019-07-18	0.9
2086033	69	TBM1989052302	1989-05-23	0.9
1167343	69	TBM1989092703	1989-09-27	0.9
1140458	69	TBM1989092707	1989-09-27	0.8
1328841	69	TBM1989092707	1989-09-27	0.9
1649980	69	TBM1989092708	1989-09-27	0.9
1293258	69	TBM1989092709	1989-09-27	0.9
1887788	69	TBM1989092709	1989-09-27	0.9
2085803	69	TBM1989092709	1989-09-27	0.8
2093207	69	TBM1989092709	1989-09-27	0.7
997305	69	TBM1989101002	1989-10-10	0.8
1935906	69	TBM1989101002	1989-10-10	0.9
1288726	69	TBM1989101008	1989-10-10	0.8
1598574	69	TBM1989101101	1989-10-11	0.9
1445750	69	TBM1989101102	1989-10-11	0.8
1211519	69	TBM1989101104	1989-10-11	0.9
1529490	69	TBM1990042307	1990-04-23	0.9
1452284	69	TBM1990060501	1990-06-05	0.7
1466516	69	TBM1990060501	1990-06-05	0.8
1653379	69	TBM1990060501	1990-06-05	0.9
1163890	69	TBM1990060502	1990-06-05	0.6
1450688	69	TBM1990060502	1990-06-05	0.9
1307118	69	TBM1990060503	1990-06-05	0.8
1653013	69	TBM1990060503	1990-06-05	0.8
1730254	69	TBM1990060503	1990-06-05	0.9
1891282	69	TBM1990060703	1990-06-07	0.9
1656819	69	TBM1990101502	1990-10-15	0.9
1253991	69	TBM1990111310	1990-11-13	0.9
1347104	69	TBM1990120312	1990-12-03	0.8
2146497	69	TBM1990120312	1990-12-03	0.8
1450513	69	TBM1991042908	1991-04-29	0.8
1565262	69	TBM1991042908	1991-04-29	0.6
1566216	69	TBM1991042908	1991-04-29	0.7
590640	69	TBM1991042913	1991-04-29	0.7
2145045	69	TBM1991042913	1991-04-29	0.9
1550777	69	TBM1991052007	1991-05-20	0.9
1364035	69	TBM1991100701	1991-10-07	0.9
1491970	69	TBM1991100702	1991-10-07	0.9
2147980	69	TBM1991100702	1991-10-07	0.8
2152046	69	TBM1991100702	1991-10-07	0.9
1483899	69	TBM1992102605	1992-10-26	0.9
1918040	69	TBM1992102607	1992-10-26	0.9
1200006	69	TBM1993051815	1993-05-18	0.8
661150	69	TBM1993051901	1993-05-19	0.9
1392235	69	TBM1993051926	1993-05-19	0.9
2161485	69	TBM1993051926	1993-05-19	0.8
661536	69	TBM1993060201	1993-06-02	0.9
1391937	69	TBM1993060201	1993-06-02	0.9
1285675	69	TBM1994052305	1994-05-23	0.9

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1214371	69	TBM1994052306	1994-05-23	0.9
1320305	69	TBM1994092601	1994-09-26	0.9
780774	69	TBM1997041718	1997-04-17	0.8
823692	69	TBM1997041718	1997-04-17	0.7
2178109	69	TBM1997041718	1997-04-17	0.9
1204009	69	TBM1997080714	1997-08-07	0.8
1219267	69	TBM1997080714	1997-08-07	0.5
1266422	69	TBM1997080714	1997-08-07	0.9
1225852	69	TBM1997091217	1997-09-12	0.9
1360987	69	TBM1997100808	1997-10-08	0.9
1398653	69	TBM1998052017	1998-05-20	0.9
1660367	69	TBM1998061804	1998-06-18	0.9
1601393	69	TBM1999061412	1999-06-14	0.7
1350397	69	TBM1999081201	1999-08-12	0.8
1450604	69	TBM1999091405	1999-09-14	0.9
2319641	69	TBM2000041316	2000-04-13	0.9
1944210	69	TBM2000041317	2000-04-13	0.8
949350	69	TBM2000081004	2000-08-10	0.5
1223881	69	TBM2000081004	2000-08-10	0.9
1270769	69	TBM2000081004	2000-08-10	0.6
1968250	69	TBM2000081004	2000-08-10	0.8
2335442	69	TBM2000081004	2000-08-10	0.6
1869461	69	TBM2001080708	2001-08-07	0.9
1284048	69	TBM2001080710	2001-08-07	0.7
808056	69	TBM2002101802	2002-10-29	0.9
2535506	69	TBM2004050114	2004-05-04	0.9
1590942	69	TBM2004101302	2004-10-15	0.7
1645113	69	TBM2005080703	2005-08-05	0.9
1979536	69	TBM2005080703	2005-08-05	0.8
1683626	69	TBM2006070801	2006-07-03	0.9
1887675	69	TBM2006070801	2006-07-03	0.7
1373337	69	TBM2006070811	2006-07-03	0.9
2643327	69	TBM2006080405	2006-08-01	0.8
955841	69	TBM2006090113	2006-09-26	0.9
1931785	69	TBM2006100601	2006-10-03	0.8
1335078	69	TBM2008040406	2008-04-14	0.9
941013	69	TBM2008060405	2008-06-02	0.9
1608179	69	TBM2008060407	2008-06-02	0.9
1504410	69	TBM2008061204	2008-06-10	0.9
1694751	69	TBM2008061204	2008-06-10	0.9
1436192	69	TBM2008070601	2008-07-02	0.8
1471122	69	TBM2008080306	2008-08-13	0.7
1492979	69	TBM2009051009	2009-05-07	0.9
1300964	69	TBM2009080404	2009-08-12	0.9
2719869	69	TBM2009081003	2009-08-19	0.9
995585	69	TBM2009090905	2009-09-23	0.6
1310633	69	TBM2010060905	2010-06-03	0.9
1693233	69	TBM2010100104	2010-10-04	0.9
1369667	69	TBM2010100503	2010-10-05	0.9
1133702	69	TBM2011051306	2011-05-17	0.9
1354333	69	TBM2011051306	2011-05-17	0.9
1496755	69	TBM2011051306	2011-05-17	0.8

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1511062	69	TBM2011051306	2011-05-17	0.8
1939356	69	TBM2011051306	2011-05-17	0.7
1438841	69	TBM2012050901	2012-05-10	0.9
1517325	69	TBM2012071103	2012-07-17	0.9
1709395	69	TBM2012071103	2012-07-17	0.9
1947094	69	TBM2012080802	2012-08-15	0.9
1634615	69	TBM2012091101	2012-09-13	0.9
2836913	69	TBM2012091403	2012-09-19	0.8
2918210	69	TBM2012091403	2012-09-19	0.7
1958627	69	TBM2013090606	2013-09-13	0.9
1781467	69	TBM2013100604	2013-10-07	0.7
1351646	69	TBM2013100611	2013-10-07	0.9
1137837	69	TBM2014070408	2014-07-07	0.8
1121441	69	TBM2015081305	2015-08-20	0.9
1463563	69	TBM2016050202	2016-05-11	0.7
1482279	69	TBM2016050202	2016-05-11	0.8
1504520	69	TBM2016050202	2016-05-11	0.6
1669764	69	TBM2016110209	2016-11-14	0.8
1760825	69	TBM2017070402	2017-07-14	0.8
3785033	69	TBM2017070402	2017-07-14	0.9
2615548	69	TBM2019060312	2019-06-05	0.8
2173561	69	TBM2019071205	2019-07-11	0.8
2204995	69	TBM2019080203	2019-08-02	0.8
2708824	69	TBM2019101503	2019-10-11	0.9
1723757	69	TBM2019110309	2019-11-06	0.9
2801395	69	TBM2020071111	2020-07-06	0.9
3806525	69	TBM2020071202	2020-07-20	0.9
2605325	69	TBM2020090206	2020-09-15	0.8
2849958	69	TBM2022091103	2022-09-08	0.9
2127497	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 Presence/Absence

There are no *Low* Quantile Flagged Values for Count

High Quantile

Standard Length

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

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
117555	69	APM1999040801	1999-04-08	69.8
35784	69	APM2001030202	2001-03-02	69.0
123794	69	APM2004070406	2004-07-07	69.0
205742	69	APM2012070701	2012-07-17	79.0
254093	69	APM2012070701	2012-07-17	74.5
296667	69	APM2012070701	2012-07-17	77.0
667320	69	APM2012070701	2012-07-17	76.5
272830	69	APM2012070702	2012-07-17	80.5
327605	69	APM2012070702	2012-07-17	84.0
413325	69	APM2012110504	2012-11-06	83.1
449489	69	APM2013060603	2013-06-07	78.0
1791261	69	APM2013070205	2013-07-02	75.2
882675	69	APM2013081104	2013-08-15	80.2
870869	69	APM2013090906	2013-09-17	75.0
810641	69	APM2013101005	2013-10-15	77.8
475744	69	APM2014051101	2014-05-20	84.5
777665	69	APM2014070103	2014-07-01	100.0
309179	69	APM2014090901	2014-09-17	74.5
773104	69	APM2015070802	2015-07-09	77.5
639990	69	APM2015090801	2015-09-11	73.5
361302	69	APM2015100601	2015-10-08	83.0
601476	69	APM2015100601	2015-10-08	79.0
481107	69	APM2016060601	2016-06-07	73.5
682010	69	APM2016060903	2016-06-10	82.3
490678	69	APM2016061003	2016-06-13	80.0
645353	69	APM2016080203	2016-08-02	84.0
568046	69	APM2016080205	2016-08-02	71.0
1380226	69	APM2016080506	2016-08-04	82.0
664427	69	APM2017061405	2017-06-26	79.1
595286	69	APM2017081201	2017-08-15	83.5
1860498	69	APM2017081201	2017-08-15	76.0
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604791	69	CKM1999041202	1999-04-12	86.0
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2191670	69	CKM2000061303	2000-06-13	82.0
735069	69	CKM2000061401	2000-06-14	82.0
881353	69	CKM2000061503	2000-06-15	84.5
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1061428	69	CKM2000081703	2000-08-17	80.0
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441016	69	CKM2000081705	2000-08-17	81.0
562491	69	CKM2000081705	2000-08-17	83.0
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798462	69	CKM2000092501	2000-09-25	83.5
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1061106	69	CKM2000092503	2000-09-25	78.0
1078273	69	CKM2000092503	2000-09-25	88.0
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440407	69	CKM2000092601	2000-09-26	79.5
459032	69	CKM2000092602	2000-09-26	86.5
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651972	69	CKM2000110703	2000-11-07	75.0
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887481	69	CKM2002060406	2002-06-10	86.0
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2791569	69	CKM2002060406	2002-06-10	85.2
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1115890	69	CKM2002070305	2002-07-02	81.1
1142910	69	CKM2002070305	2002-07-02	75.7
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442358	69	CKM2002100301	2002-10-03	84.0
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611211	69	CKM2003090507	2003-09-09	82.0
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614655	69	CKM2004020802	2004-02-17	85.0
804921	69	CKM2004020802	2004-02-17	84.8
809335	69	CKM2004020802	2004-02-17	85.2
589265	69	CKM2004040706	2004-04-19	67.8
598864	69	CKM2004040706	2004-04-19	71.0
573850	69	CKM2004050305	2004-05-06	81.0
813531	69	CKM2004050807	2004-05-18	78.0
724743	69	CKM2004060703	2004-06-16	80.0
905449	69	CKM2004060703	2004-06-16	79.0
2064548	69	CKM2004060703	2004-06-16	82.0
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546196	69	CKM2004080401	2004-08-11	86.3
617796	69	CKM2004080401	2004-08-11	84.0
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933805	69	CKM2004080401	2004-08-11	82.5
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996875	69	CKM2004080401	2004-08-11	82.0
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2307439	69	CKM2004080902	2004-08-25	85.5
1883610	69	CKM2004090204	2004-09-09	68.1
494541	69	CKM2004090303	2004-09-10	84.5
634225	69	CKM2004090303	2004-09-10	84.0
1158151	69	CKM2004090303	2004-09-10	83.5
922491	69	CKM2004100105	2004-10-01	78.2
872687	69	CKM2004110402	2004-11-03	78.0
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687450	69	CKM2004110603	2004-11-05	77.2
773311	69	CKM2004110603	2004-11-05	85.2
919050	69	CKM2004120410	2004-12-06	85.0
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673824	69	CKM2004120507	2004-12-07	81.0
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898509	69	CKM2005010106	2005-01-04	78.5
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1122334	69	CKM2005050107	2005-05-02	82.0
2337402	69	CKM2005050107	2005-05-02	84.0
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925044	69	CKM2005060601	2005-06-13	76.0
1184346	69	CKM2005060601	2005-06-13	84.0
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2341970	69	CKM2005060601	2005-06-13	78.0
441644	69	CKM2005070103	2005-07-05	86.0
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856733	69	CKM2005070601	2005-07-14	77.6
558455	69	CKM2005080701	2005-08-17	82.5
808913	69	CKM2005080701	2005-08-17	81.0
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833397	69	CKM2005080701	2005-08-17	84.0
883962	69	CKM2005080701	2005-08-17	78.5
702272	69	CKM2005080810	2005-08-19	82.0
364558	69	CKM2005080811	2005-08-19	84.5
638422	69	CKM2005080811	2005-08-19	73.0
703155	69	CKM2005080811	2005-08-19	72.3
1195586	69	CKM2005080811	2005-08-19	83.5
561047	69	CKM2005090702	2005-09-14	86.5
649458	69	CKM2005090703	2005-09-14	79.5

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923502	69	CKM2005090703	2005-09-14	81.0
1876999	69	CKM2005090703	2005-09-14	71.0
2416989	69	CKM2005090703	2005-09-14	68.5
504014	69	CKM2005100206	2005-10-04	73.3
552076	69	CKM2005100206	2005-10-04	88.2
716563	69	CKM2005100206	2005-10-04	89.0
830848	69	CKM2005100206	2005-10-04	83.0
854890	69	CKM2005100206	2005-10-04	68.0
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1842884	69	CKM2005100701	2005-10-13	79.4
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639791	69	CKM2005120504	2005-12-12	72.5
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740021	69	CKM2005120707	2005-12-14	83.3
794980	69	CKM2006020507	2006-02-10	85.5
493309	69	CKM2006040504	2006-04-12	90.3
536742	69	CKM2006040504	2006-04-12	76.0
736309	69	CKM2006040504	2006-04-12	85.3
803567	69	CKM2006040504	2006-04-12	84.4
813563	69	CKM2006040504	2006-04-12	86.7
885810	69	CKM2006040504	2006-04-12	87.0
2363872	69	CKM2006040504	2006-04-12	91.1
1166164	69	CKM2006050301	2006-05-05	89.5
2353286	69	CKM2006050301	2006-05-05	68.9
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537808	69	CKM2006050806	2006-05-24	84.2
642896	69	CKM2006060704	2006-06-20	88.3
520582	69	CKM2006070806	2006-07-11	86.5
523403	69	CKM2006070806	2006-07-11	87.4
510240	69	CKM2006071003	2006-07-18	79.5
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516655	69	CKM2006071003	2006-07-18	80.4
643273	69	CKM2006071003	2006-07-18	88.3
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932638	69	CKM2006071003	2006-07-18	87.2
940031	69	CKM2006071003	2006-07-18	82.0
1183173	69	CKM2006071003	2006-07-18	69.3
505888	69	CKM2006080401	2006-08-04	87.1
701050	69	CKM2006080401	2006-08-04	81.2
704816	69	CKM2006080401	2006-08-04	80.1
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719430	69	CKM2006080401	2006-08-04	81.7
1838529	69	CKM2006080401	2006-08-04	79.1

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912705	69	CKM2006100302	2006-10-04	84.4
983837	69	CKM2006100302	2006-10-04	81.8
2372778	69	CKM2006100302	2006-10-04	83.0
979387	69	CKM2006100807	2006-10-18	83.6
1175055	69	CKM2006110504	2006-11-08	70.3
929504	69	CKM2007010104	2007-01-03	89.2
2366109	69	CKM2007030809	2007-03-20	69.8
905528	69	CKM2007060604	2007-06-08	69.4
853810	69	CKM2007060804	2007-06-14	81.0
570417	69	CKM2007080204	2007-08-03	85.0
571165	69	CKM2007080204	2007-08-03	83.0
575389	69	CKM2007080204	2007-08-03	84.5
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919303	69	CKM2007080204	2007-08-03	84.6
919818	69	CKM2007080204	2007-08-03	80.5
923841	69	CKM2007080204	2007-08-03	86.0
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935542	69	CKM2007080204	2007-08-03	80.0
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1272521	69	CKM2007080204	2007-08-03	79.4
1273766	69	CKM2007080204	2007-08-03	83.5
1277584	69	CKM2007080204	2007-08-03	79.0
1277585	69	CKM2007080204	2007-08-03	74.0
1281020	69	CKM2007080204	2007-08-03	85.5
1335330	69	CKM2007080204	2007-08-03	81.0
2399085	69	CKM2007080204	2007-08-03	84.0
2402292	69	CKM2007080204	2007-08-03	94.7
2408596	69	CKM2007080604	2007-08-10	69.7
833996	69	CKM2007090304	2007-09-06	72.2
857253	69	CKM2007090304	2007-09-06	85.5
947229	69	CKM2007090304	2007-09-06	82.8
948375	69	CKM2007090304	2007-09-06	83.0
784193	69	CKM2007090406	2007-09-10	74.0
1035634	69	CKM2007090406	2007-09-10	72.0
2475089	69	CKM2007090406	2007-09-10	74.5
464721	69	CKM2007090804	2007-09-24	79.0
764372	69	CKM2007090905	2007-09-25	87.5
561466	69	CKM2007100306	2007-10-04	86.0
562044	69	CKM2007100306	2007-10-04	80.0
562635	69	CKM2007100306	2007-10-04	83.3

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752674	69	CKM2007100306	2007-10-04	91.5
782842	69	CKM2007100306	2007-10-04	83.0
877942	69	CKM2007100306	2007-10-04	87.5
917531	69	CKM2007100306	2007-10-04	79.2
919075	69	CKM2007100306	2007-10-04	82.0
919875	69	CKM2007100306	2007-10-04	84.4
920280	69	CKM2007100306	2007-10-04	88.0
1047170	69	CKM2007100306	2007-10-04	93.9
1056164	69	CKM2007100306	2007-10-04	89.0
1148725	69	CKM2007100306	2007-10-04	87.0
1157425	69	CKM2007100306	2007-10-04	90.2
1827271	69	CKM2007100306	2007-10-04	81.5
1855387	69	CKM2007100306	2007-10-04	88.8
1885296	69	CKM2007100306	2007-10-04	85.0
1909048	69	CKM2007100306	2007-10-04	81.0
2388613	69	CKM2007100306	2007-10-04	86.2
2397835	69	CKM2007100306	2007-10-04	91.0
2411955	69	CKM2007100306	2007-10-04	93.2
3808927	69	CKM2007100306	2007-10-04	90.0
950510	69	CKM2007100906	2007-10-17	73.0
693709	69	CKM2007110203	2007-11-05	78.8
869039	69	CKM2007110203	2007-11-05	80.1
2475348	69	CKM2007110203	2007-11-05	82.5
732445	69	CKM2007110207	2007-11-05	79.0
945491	69	CKM2007110706	2007-11-14	68.0
992532	69	CKM2008010405	2008-01-09	90.0
568573	69	CKM2008040405	2008-04-03	82.4
924532	69	CKM2008040503	2008-04-07	80.5
998364	69	CKM2008050103	2008-05-02	86.5
1163445	69	CKM2008050103	2008-05-02	87.8
897688	69	CKM2008050303	2008-05-05	75.8
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1170132	69	CKM2008050510	2008-05-06	79.5
580604	69	CKM2008050607	2008-05-07	84.0
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813081	69	CKM2008050607	2008-05-07	79.8
925204	69	CKM2008050607	2008-05-07	82.2
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942631	69	CKM2008050607	2008-05-07	83.5
944747	69	CKM2008050607	2008-05-07	82.5
1157039	69	CKM2008050607	2008-05-07	87.5
2427162	69	CKM2008050607	2008-05-07	91.0
1155194	69	CKM2008060303	2008-06-03	83.5
1115230	69	CKM2008060310	2008-06-03	78.0
915229	69	CKM2008060503	2008-06-05	76.4
581873	69	CKM2008060507	2008-06-04	79.0
795908	69	CKM2008060507	2008-06-04	74.0
810344	69	CKM2008060507	2008-06-04	85.2
930728	69	CKM2008060507	2008-06-04	75.0
949327	69	CKM2008060507	2008-06-04	80.0

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1879006	69	CKM2008060507	2008-06-04	82.5
580355	69	CKM2008060508	2008-06-05	84.0
936980	69	CKM2008060508	2008-06-05	83.2
804107	69	CKM2008070209	2008-07-02	86.0
985190	69	CKM2008070209	2008-07-02	89.5
788627	69	CKM2008070303	2008-07-03	89.5
999802	69	CKM2008070303	2008-07-03	83.7
1001177	69	CKM2008070303	2008-07-03	90.0
2451142	69	CKM2008070303	2008-07-03	82.5
934799	69	CKM2008070304	2008-07-03	77.0
956877	69	CKM2008070304	2008-07-03	73.5
1166067	69	CKM2008080408	2008-08-05	78.0
506955	69	CKM2008090102	2008-09-02	79.5
806303	69	CKM2008100207	2008-10-03	87.6
892522	69	CKM2008100505	2008-10-09	70.0
902810	69	CKM2008100505	2008-10-09	77.5
913418	69	CKM2008100505	2008-10-09	88.0
950200	69	CKM2008100505	2008-10-09	77.0
1890121	69	CKM2008100505	2008-10-09	82.9
1910559	69	CKM2008100505	2008-10-09	73.3
1910861	69	CKM2008100505	2008-10-09	80.5
876501	69	CKM2008100507	2008-10-09	78.4
611024	69	CKM2008120101	2008-12-03	87.0
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1155062	69	CKM2009020409	2009-02-10	86.0
2444368	69	CKM2009040105	2009-04-03	86.0
1882173	69	CKM2009040106	2009-04-03	77.0
608746	69	CKM2009050201	2009-05-04	71.5
622278	69	CKM2009050201	2009-05-04	72.5
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879963	69	CKM2009060405	2009-06-08	82.5
943689	69	CKM2009060405	2009-06-08	83.0
954539	69	CKM2009060405	2009-06-08	84.8
349897	69	CKM2009060706	2009-06-15	78.7
888851	69	CKM2009060706	2009-06-15	83.4
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2441381	69	CKM2009060707	2009-06-15	82.9
867391	69	CKM2009070106	2009-07-02	76.0
886619	69	CKM2009070106	2009-07-02	80.6
956023	69	CKM2009070106	2009-07-02	83.7
1890917	69	CKM2009070608	2009-07-15	85.3
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952726	69	CKM2009080108	2009-08-03	68.6
355214	69	CKM2009080110	2009-08-03	80.5
875808	69	CKM2009080110	2009-08-03	78.0

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984393	69	CKM2009080202	2009-08-04	86.5
1736194	69	CKM2009080301	2009-08-05	77.5
995506	69	CKM2009080311	2009-08-05	73.0
1015101	69	CKM2009080311	2009-08-05	76.8
2455205	69	CKM2009080311	2009-08-05	75.7
234714	69	CKM2009090103	2009-09-01	72.4
235486	69	CKM2009090103	2009-09-01	73.2
985920	69	CKM2009090103	2009-09-01	71.0
993344	69	CKM2009090103	2009-09-01	71.5
1018728	69	CKM2009090103	2009-09-01	80.3
1050753	69	CKM2009090103	2009-09-01	78.6
1153969	69	CKM2009090103	2009-09-01	78.0
1886548	69	CKM2009090103	2009-09-01	84.2
2438648	69	CKM2009090103	2009-09-01	73.0
3813213	69	CKM2009090103	2009-09-01	76.5
348375	69	CKM2009090205	2009-09-02	80.3
334171	69	CKM2009090608	2009-09-16	75.4
1063262	69	CKM2009100704	2009-10-15	82.0
2449142	69	CKM2009120104	2009-12-01	75.8
905274	69	CKM2010040402	2010-04-06	86.0
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1892105	69	CKM2010040402	2010-04-06	81.0
428689	69	CKM2010050409	2010-05-11	80.0
1017846	69	CKM2010050409	2010-05-11	88.0
1157774	69	CKM2010050409	2010-05-11	89.5
927099	69	CKM2010050509	2010-05-12	86.0
360289	69	CKM2010070107	2010-07-02	77.2
2438420	69	CKM2010070107	2010-07-02	73.5
953405	69	CKM2010080804	2010-08-25	78.0
1004311	69	CKM2010080804	2010-08-25	84.3
1008311	69	CKM2010080804	2010-08-25	81.5
492582	69	CKM2010080808	2010-08-25	80.6
488694	69	CKM2010100204	2010-10-04	88.6
966326	69	CKM2010100204	2010-10-04	78.5
932243	69	CKM2010100504	2010-10-14	81.5
392477	69	CKM2011040407	2011-04-11	74.5
403848	69	CKM2011040407	2011-04-11	77.5
435931	69	CKM2011040407	2011-04-11	77.0
441905	69	CKM2011040407	2011-04-11	79.0
467013	69	CKM2011040407	2011-04-11	76.0
952228	69	CKM2011040407	2011-04-11	69.0
955944	69	CKM2011040407	2011-04-11	76.5
964935	69	CKM2011040407	2011-04-11	72.2
967388	69	CKM2011040407	2011-04-11	75.5
975984	69	CKM2011040407	2011-04-11	73.5
977531	69	CKM2011040407	2011-04-11	83.0
1004460	69	CKM2011040407	2011-04-11	72.0
1018301	69	CKM2011040407	2011-04-11	78.0
1233581	69	CKM2011040407	2011-04-11	84.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
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1269660	69	CKM2011040407	2011-04-11	75.0
1314893	69	CKM2011040407	2011-04-11	78.5
1815292	69	CKM2011040407	2011-04-11	74.3
985619	69	CKM2011050108	2011-05-02	78.1
549950	69	CKM2011050502	2011-05-09	81.1
905474	69	CKM2011060204	2011-06-02	68.8
1259331	69	CKM2011060204	2011-06-02	83.3
1267091	69	CKM2011060204	2011-06-02	81.2
1775285	69	CKM2011060204	2011-06-02	71.5
1888011	69	CKM2011060204	2011-06-02	79.5
1888614	69	CKM2011060204	2011-06-02	77.9
403839	69	CKM2011080302	2011-08-10	69.9
900092	69	CKM2011080302	2011-08-10	73.8
987265	69	CKM2011080307	2011-08-10	78.0
673714	69	CKM2011090202	2011-09-07	88.5
1200208	69	CKM2011090202	2011-09-07	82.1
1224604	69	CKM2011090202	2011-09-07	79.6
991806	69	CKM2011100305	2011-10-06	78.2
977728	69	CKM2011120407	2011-12-07	83.5
253151	69	CKM2012020801	2012-02-16	68.3
932849	69	CKM2012040104	2012-04-03	73.5
980118	69	CKM2012040104	2012-04-03	77.5
1107910	69	CKM2012040104	2012-04-03	78.9
1128664	69	CKM2012040104	2012-04-03	77.1
1878035	69	CKM2012040104	2012-04-03	72.6
2561313	69	CKM2012040104	2012-04-03	71.5
1118247	69	CKM2012040304	2012-04-05	72.5
611014	69	CKM2012040706	2012-04-17	75.7
937723	69	CKM2012040706	2012-04-17	83.0
990698	69	CKM2012050107	2012-05-01	72.5
995221	69	CKM2012050306	2012-05-03	89.3
1067735	69	CKM2012050306	2012-05-03	78.1
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1028302	69	CKM2017040101	2017-04-05	73.2
658957	69	CKM2017040202	2017-04-05	84.0
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814181	69	CKM2017060308	2017-06-08	70.9
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1900944	69	CKM2017060702	2017-06-19	85.6
684757	69	CKM2017070303	2017-07-07	80.0
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1772229	69	CKM2018050901	2018-05-10	74.3
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3827742	69	CKM2020050702	2020-05-26	74.0
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2683677	69	CKM2020060603	2020-06-18	69.2
1339978	69	CKM2020060701	2020-06-25	76.1
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2236502	69	CKM2020060701	2020-06-25	70.4

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2687992	69	CKM2020060701	2020-06-25	75.4
3872793	69	CKM2020060701	2020-06-25	72.4
1788898	69	CKM2020070304	2020-07-02	77.8
2258592	69	CKM2020070304	2020-07-02	73.3
2268197	69	CKM2020070304	2020-07-02	74.4
1795205	69	CKM2020080307	2020-08-06	75.8
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2015174	69	CKM2020080307	2020-08-06	70.1
2015230	69	CKM2020080307	2020-08-06	76.0
2181388	69	CKM2020080307	2020-08-06	71.5
2185666	69	CKM2020080307	2020-08-06	71.3
2211067	69	CKM2020080307	2020-08-06	69.5
2216427	69	CKM2020080307	2020-08-06	71.2
2585556	69	CKM2020080307	2020-08-06	73.4
2689510	69	CKM2020080307	2020-08-06	68.7
2865980	69	CKM2020080307	2020-08-06	68.8
2878289	69	CKM2020080307	2020-08-06	70.6
2934541	69	CKM2020080307	2020-08-06	75.4
3832373	69	CKM2020080307	2020-08-06	72.6
1375717	69	CKM2020080403	2020-08-07	80.0
1448768	69	CKM2020080403	2020-08-07	72.8
1755346	69	CKM2020080403	2020-08-07	78.7
1792326	69	CKM2020080403	2020-08-07	69.5
2010772	69	CKM2020080403	2020-08-07	78.5
2208934	69	CKM2020080403	2020-08-07	76.5
2287535	69	CKM2020080403	2020-08-07	76.3
2665862	69	CKM2020080403	2020-08-07	77.9
2933966	69	CKM2020080403	2020-08-07	75.4
1779786	69	CKM2020080404	2020-08-07	75.8
2012936	69	CKM2020080404	2020-08-07	71.0
2014396	69	CKM2020080404	2020-08-07	74.0
2571167	69	CKM2020080404	2020-08-07	72.0
2864644	69	CKM2020080404	2020-08-07	75.0
2847941	69	CKM2020080803	2020-08-19	71.2
1941427	69	CKM2020090102	2020-09-01	72.2
2180348	69	CKM2020090102	2020-09-01	68.6
1995950	69	CKM2020090401	2020-09-18	71.8
1997835	69	CKM2020090401	2020-09-18	76.8
2573823	69	CKM2020090401	2020-09-18	75.2
2587786	69	CKM2020090401	2020-09-18	73.5
2624866	69	CKM2020090401	2020-09-18	71.5
2681956	69	CKM2020090401	2020-09-18	69.3
2869725	69	CKM2020090401	2020-09-18	72.5
2874659	69	CKM2020090401	2020-09-18	70.2
3845556	69	CKM2020090401	2020-09-18	68.4
2318751	69	CKM2020090603	2020-09-25	75.0
3831630	69	CKM2020090603	2020-09-25	80.5
2042242	69	CKM2020100704	2020-10-15	75.0
2573152	69	CKM2020100705	2020-10-15	75.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2037277	69	CKM2020110308	2020-11-05	71.5
2717257	69	CKM2021030405	2021-03-10	69.5
2765772	69	CKM2021030405	2021-03-10	68.9
2168373	69	CKM2021040205	2021-04-06	78.0
2695582	69	CKM2021040407	2021-04-12	71.8
1764214	69	CKM2021040505	2021-04-13	76.0
2066719	69	CKM2021040505	2021-04-13	77.3
2080770	69	CKM2021040505	2021-04-13	69.2
2162699	69	CKM2021040505	2021-04-13	71.8
2697471	69	CKM2021040505	2021-04-13	74.8
2748723	69	CKM2021040505	2021-04-13	70.9
3850299	69	CKM2021040505	2021-04-13	78.2
2343333	69	CKM2021050205	2021-05-05	71.4
2715538	69	CKM2021050205	2021-05-05	68.7
3799006	69	CKM2021050205	2021-05-05	72.8
1769233	69	CKM2021050305	2021-05-06	72.0
2077615	69	CKM2021050305	2021-05-06	69.3
2163900	69	CKM2021050305	2021-05-06	73.8
2362914	69	CKM2021050305	2021-05-06	69.7
2609165	69	CKM2021050305	2021-05-06	72.5
2678400	69	CKM2021050305	2021-05-06	69.4
2709335	69	CKM2021050305	2021-05-06	71.8
2720839	69	CKM2021050305	2021-05-06	74.0
2767630	69	CKM2021050305	2021-05-06	72.8
2081988	69	CKM2021050502	2021-05-11	74.6
2082056	69	CKM2021050603	2021-05-12	74.5
2363878	69	CKM2021050603	2021-05-12	75.7
3851087	69	CKM2021050603	2021-05-12	77.2
2686946	69	CKM2021050703	2021-05-17	72.8
2398525	69	CKM2021050704	2021-05-17	74.0
2691979	69	CKM2021050704	2021-05-17	69.5
2393135	69	CKM2021060303	2021-06-04	72.5
2395402	69	CKM2021060303	2021-06-04	71.5
1774353	69	CKM2021060304	2021-06-04	67.9
2070643	69	CKM2021060304	2021-06-04	71.0
2079509	69	CKM2021060304	2021-06-04	71.4
2083127	69	CKM2021060304	2021-06-04	69.4
2395745	69	CKM2021060304	2021-06-04	70.4
2402546	69	CKM2021060304	2021-06-04	73.6
3773360	69	CKM2021060304	2021-06-04	69.0
3774376	69	CKM2021060304	2021-06-04	71.2
2010931	69	CKM2021060305	2021-06-04	72.4
2070534	69	CKM2021060305	2021-06-04	73.6
3803749	69	CKM2021060305	2021-06-04	71.9
2073231	69	CKM2021060407	2021-06-09	70.5
2364819	69	CKM2021060407	2021-06-09	72.5
2367559	69	CKM2021060407	2021-06-09	74.1
2680618	69	CKM2021060407	2021-06-09	72.0
3808039	69	CKM2021060407	2021-06-09	72.8
2075376	69	CKM2021060504	2021-06-10	71.3
2080666	69	CKM2021060504	2021-06-10	73.8
2103742	69	CKM2021060504	2021-06-10	69.2

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1770572	69	CKM2021070201	2021-07-02	71.3
2081626	69	CKM2021070201	2021-07-02	76.0
2417064	69	CKM2021070201	2021-07-02	68.1
2017957	69	CKM2021070203	2021-07-02	70.2
2076721	69	CKM2021070203	2021-07-02	72.3
2164279	69	CKM2021070203	2021-07-02	71.2
2607447	69	CKM2021070203	2021-07-02	79.2
2793558	69	CKM2021070203	2021-07-02	75.2
2090889	69	CKM2021070304	2021-07-12	72.2
2056503	69	CKM2021070406	2021-07-13	75.6
2715273	69	CKM2021070406	2021-07-13	70.0
2107055	69	CKM2021070501	2021-07-01	69.5
2212440	69	CKM2021080208	2021-08-09	76.5
2711308	69	CKM2021080502	2021-08-19	76.0
2083841	69	CKM2021080602	2021-08-23	81.0
3826747	69	CKM2021090102	2021-09-01	75.3
1776774	69	CKM2021090104	2021-09-01	74.5
1778365	69	CKM2021090104	2021-09-01	71.0
1793644	69	CKM2021090104	2021-09-01	74.0
2188554	69	CKM2021090104	2021-09-01	78.0
2367918	69	CKM2021090104	2021-09-01	73.0
2368240	69	CKM2021090104	2021-09-01	76.0
2379662	69	CKM2021090104	2021-09-01	69.5
2170390	69	CKM2021090303	2021-09-07	76.0
2411662	69	CKM2021090303	2021-09-07	71.0
2558418	69	CKM2021090305	2021-09-07	76.2
2792382	69	CKM2021090305	2021-09-07	71.5
3789265	69	CKM2021100106	2021-10-01	73.7
2691983	69	CKM2021100304	2021-10-05	69.8
2466220	69	CKM2021100808	2021-10-03	75.5
2694752	69	CKM2022020508	2022-02-15	84.9
2085421	69	CKM2022030408	2022-03-04	73.7
2660929	69	CKM2022040105	2022-04-01	80.2
2026093	69	CKM2022050204	2022-05-03	73.2
2120643	69	CKM2022050401	2022-05-05	80.3
2192048	69	CKM2022050401	2022-05-05	69.5
2056050	69	CKM2022050407	2022-05-05	72.8
2099080	69	CKM2022050407	2022-05-05	78.0
2110521	69	CKM2022050407	2022-05-05	71.7
2113526	69	CKM2022050407	2022-05-05	71.0
2345864	69	CKM2022050407	2022-05-05	72.0
2352086	69	CKM2022050407	2022-05-05	73.0
2690962	69	CKM2022050407	2022-05-05	69.5
3800244	69	CKM2022050407	2022-05-05	70.5
2737650	69	CKM2022060109	2022-06-01	71.1
2080578	69	CKM2022060201	2022-06-01	73.2
2090025	69	CKM2022060201	2022-06-01	72.7
2128756	69	CKM2022060201	2022-06-01	69.6
2734948	69	CKM2022060201	2022-06-01	72.6
2009870	69	CKM2022060205	2022-06-01	70.2
2016377	69	CKM2022060205	2022-06-01	74.1
2061925	69	CKM2022060205	2022-06-01	71.0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2110396	69	CKM2022060205	2022-06-01	75.6
2190560	69	CKM2022060205	2022-06-01	75.2
2201693	69	CKM2022060205	2022-06-01	74.4
2336533	69	CKM2022060205	2022-06-01	76.5
2711278	69	CKM2022060205	2022-06-01	75.0
2865432	69	CKM2022060205	2022-06-01	77.0
2124452	69	CKM2022070201	2022-07-05	69.5
2718425	69	CKM2022070201	2022-07-05	72.7
2742483	69	CKM2022070602	2022-07-08	76.3
2019739	69	CKM2022080105	2022-08-08	75.5
2033873	69	CKM2022080105	2022-08-08	73.0
2035171	69	CKM2022080105	2022-08-08	72.5
2036284	69	CKM2022080105	2022-08-08	76.0
2067299	69	CKM2022080105	2022-08-08	69.5
2067863	69	CKM2022080105	2022-08-08	70.5
2108577	69	CKM2022080105	2022-08-08	72.0
2112431	69	CKM2022080105	2022-08-08	69.9
2122928	69	CKM2022080105	2022-08-08	72.2
2150697	69	CKM2022080105	2022-08-08	71.5
2335671	69	CKM2022080105	2022-08-08	72.6
2347651	69	CKM2022080105	2022-08-08	75.0
2349116	69	CKM2022080105	2022-08-08	72.3
2376769	69	CKM2022080105	2022-08-08	69.0
2446946	69	CKM2022080105	2022-08-08	74.6
2609754	69	CKM2022080105	2022-08-08	70.6
2693713	69	CKM2022080105	2022-08-08	78.0
2715866	69	CKM2022080105	2022-08-08	73.4
2715955	69	CKM2022080105	2022-08-08	77.0
2716886	69	CKM2022080105	2022-08-08	74.5
2124273	69	CKM2022080507	2022-08-15	77.3
2065498	69	CKM2022090704	2022-09-22	78.1
2112716	69	CKM2022090704	2022-09-22	73.2
2122005	69	CKM2022090704	2022-09-22	79.4
2728442	69	CKM2022090704	2022-09-22	79.9
2818701	69	CKM2022090704	2022-09-22	78.0
2822574	69	CKM2022100107	2022-10-03	68.5
2097280	69	CKM2022100303	2022-10-05	77.6
2109381	69	CKM2022100303	2022-10-05	68.2
2024944	69	CKM2022100504	2022-10-10	77.5
2112898	69	CKM2022100504	2022-10-10	78.0
984892	69	IRM1999011401	1999-01-14	92.1
980464	69	IRM1999102701	1999-10-27	83.3
1925382	69	IRM1999102701	1999-10-27	82.1
2714702	69	IRM1999102703	1999-10-27	71.1
1072062	69	IRM2000100901	2000-10-09	76.0
1150449	69	IRM2000100901	2000-10-09	103.5
2773019	69	IRM2000100901	2000-10-09	88.5
694301	69	IRM2002050504	2002-05-08	71.4
1908480	69	IRM2002080901	2002-08-22	68.2
383898	69	IRM2003071201	2003-07-21	78.3
420591	69	IRM2004020604	2004-02-10	96.5
657220	69	IRM2004020604	2004-02-10	91.1

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1002513	69	IRM2004020604	2004-02-10	92.4
1951054	69	IRM2010090102	2010-09-01	94.7
1192410	69	IRM2014021007	2014-02-17	68.6
719968	69	IRM2015101304	2015-10-21	68.4
1090819	69	IRM2016010905	2016-01-14	68.7
2040761	69	IRM2018090601	2018-09-11	81.5
2428470	69	IRM2019010703	2019-01-18	69.8
3779292	69	IRM2019010703	2019-01-18	70.8
2064790	69	IRM2019050704	2019-05-13	74.3
2337395	69	IRM2020030102	2020-03-02	71.8
2272622	69	IRM2022010603	2022-01-12	70.6
2300212	69	IRM2022010603	2022-01-12	72.8
2814316	69	IRM2022070303	2022-07-07	69.5
1205983	69	JXM2001051201	2001-05-30	81.8
1275730	69	JXM2011040501	2011-04-04	70.4
1300241	69	TBM1997111215	1997-11-12	68.8
1329670	69	TBM1998082002	1998-08-20	71.5
1397667	69	TBM1999021509	1999-02-15	69.0
2310501	69	TBM1999072303	1999-07-23	68.6
1568182	69	TBM2002030907	2002-03-08	68.0
781330	69	TBM2003031102	2003-03-13	72.0
781754	69	TBM2003031102	2003-03-13	69.1
1401199	69	TBM2003031102	2003-03-13	69.2
1501039	69	TBM2003031102	2003-03-13	71.0
1587537	69	TBM2003031102	2003-03-13	69.0
3819923	69	TBM2003031102	2003-03-13	68.0
1392441	69	TBM2008021103	2008-02-26	71.5
1661219	69	TBM2008021107	2008-02-26	68.1
1971538	69	TBM2008091102	2008-09-08	72.1
1616360	69	TBM2014111002	2014-11-13	71.5
1200867	69	TBM2016050703	2016-05-02	70.2
1513337	69	TBM2016050703	2016-05-02	69.1
1600183	69	TBM2016050703	2016-05-02	69.6
1644432	69	TBM2016050703	2016-05-02	68.3
1431588	69	TBM2016070907	2016-07-20	67.9
1571592	69	TBM2016081401	2016-08-24	71.5
2595611	69	TBM2019070905	2019-07-11	70.3
2750227	69	TBM2022050402	2022-05-04	68.2
2439434	69	TBM2022060202	2022-06-06	76.1
2160553	69	TBM2022060203	2022-06-06	70.8
2678642	69	TBM2022110605	2022-11-07	76.4
1527003	69	TQM1997052003	1997-05-20	74.0
1589325	69	TQM1997052003	1997-05-20	68.0
1630226	69	TQM1997052003	1997-05-20	73.3
1743325	69	TQM1997081902	1997-08-19	84.0
2269580	69	TQM1997122304	1997-12-23	68.5
1966532	69	TQM1998032301	1998-03-23	68.5
1767783	69	TQM1998042011	1998-04-20	68.2
1585737	69	TQM1998051302	1998-05-13	74.5
2287269	69	TQM1998102002	1998-10-20	79.8
1072463	69	TQM1999051102	1999-05-11	86.5
1992038	69	TQM1999051102	1999-05-11	75.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2316459	69	TQM1999051104	1999-05-11	78.0
1483903	69	TQM1999071502	1999-07-15	109.6
1582944	69	TQM1999101904	1999-10-19	70.5
2354451	69	TQM2000052304	2000-05-23	73.7
1982584	69	TQM2000101804	2000-10-18	75.1
1490003	69	TQM2001030104	2001-03-01	73.4
1659087	69	TQM2001030104	2001-03-01	68.5
1533581	69	TQM2001100303	2001-10-16	72.1
1668109	69	TQM2001120203	2001-12-13	68.8
2430646	69	TQM2002030205	2002-03-07	70.2
1486176	69	TQM2002050303	2002-05-14	78.0
1642009	69	TQM2002060206	2002-06-11	78.4
1138849	69	TQM2002070401	2002-07-30	77.5
1139314	69	TQM2003030204	2003-03-18	80.5
1958428	69	TQM2003090204	2003-09-10	72.8
2404121	69	TQM2003090204	2003-09-10	71.5
2424404	69	TQM2004040104	2004-04-06	76.9
1147171	69	TQM2004060402	2004-06-22	90.0
2440154	69	TQM2005010205	2005-01-11	73.5
1748573	69	TQM2005030305	2005-03-16	68.5
1581967	69	TQM2006110402	2006-11-28	69.0
1602830	69	TQM2006110402	2006-11-28	73.0
1646716	69	TQM2006110402	2006-11-28	73.5
1682847	69	TQM2006110402	2006-11-28	67.8
1766059	69	TQM2006110402	2006-11-28	74.0
1754710	69	TQM2007030402	2007-03-27	74.5
1968497	69	TQM2007050303	2007-05-14	87.8
1734060	69	TQM2008110204	2008-11-05	87.0
2479559	69	TQM2008110204	2008-11-05	74.0
2482524	69	TQM2008110204	2008-11-05	86.0
1146375	69	TQM2012050101	2012-05-03	109.0
1625884	69	TQM2015050101	2015-05-06	68.5
2257232	69	TQM2015050101	2015-05-06	70.2
1994947	69	TQM2016120403	2016-12-09	81.4
1656446	69	TQM2017040301	2017-04-11	69.8
1748030	69	TQM2018020603	2018-02-15	68.9
2407340	69	TQM2019040302	2019-04-05	68.3
1784134	69	TQM2020100403	2020-10-14	70.4
1784160	69	TQM2020100403	2020-10-14	70.0
2849702	69	TQM2021020703	2021-02-24	78.8
2864464	69	TQM2021040404	2021-04-14	74.4
2789782	69	TQM2021070302	2021-07-07	68.5
2403768	69	TQM2021070503	2021-07-12	73.5
2404628	69	TQM2021080501	2021-08-16	91.0
2850356	69	TQM2021080501	2021-08-16	92.5
3873861	69	TQM2021100104	2021-10-04	92.6
2366089	69	TQM2022020303	2022-02-08	69.9
2865959	69	TQM2022060303	2022-06-07	71.0
2969403	69	TQM2022100104	2022-10-06	93.5

Programs containing flagged data:

69 - Fisheries-Independent Monitoring (FIM) Program

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

Count

Table 9: Flagged Values - High Indicator Quantile: **1041.818**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2447120	69	TBM1997061607	1997-06-16	1115
2616158	69	TBM1997091508	1997-09-15	1270
2048310	69	TBM1999100402	1999-10-04	1289
2678396	69	TBM1999110404	1999-11-04	1491
2047391	69	TBM1999110406	1999-11-04	1520
2725392	69	TBM2001010705	2001-01-26	1180
2757291	69	TBM2001020713	2001-02-05	1671
2744025	69	TBM2001021001	2001-02-12	1232
2733892	69	TBM2001120203	2001-12-04	1120
3857650	69	TBM2002080502	2002-08-05	1647
2349452	69	TBM2002081204	2002-08-15	1536
2094392	69	TBM2002101604	2002-10-23	1132
2243662	69	TBM2003021002	2003-02-14	1382
3857735	69	TBM2003021611	2003-02-19	6128
2758141	69	TBM2003080201	2003-08-04	1501
2738989	69	TBM2004100204	2004-10-01	2585
2330190	69	TBM2005060803	2005-06-07	1115
2048627	69	TBM2006040307	2006-04-18	1076
2025219	69	TBM2006100502	2006-10-02	1224
2423936	69	TBM2006111002	2006-11-09	4597
2561115	69	TBM2006111005	2006-11-09	1072
2329836	69	TBM2007061006	2007-06-19	1367
2059556	69	TBM2007110605	2007-11-06	1843
3006240	69	TBM2007110904	2007-11-08	1572
2465115	69	TBM2008011202	2008-01-10	3882
2435630	69	TBM2008040201	2008-04-14	1085
2417333	69	TBM2008040406	2008-04-14	2532
3833448	69	TBM2008050606	2008-05-08	2236
2062897	69	TBM2008050608	2008-05-08	1370
2050093	69	TBM2008051505	2008-05-16	1367
2586392	69	TBM2008061105	2008-06-05	2432
2059358	69	TBM2008071206	2008-07-24	1520
2401128	69	TBM2008080102	2008-08-11	1127
2060402	69	TBM2008080802	2008-08-20	1621
2481029	69	TBM2008081305	2008-08-26	2051
2540251	69	TBM2008090505	2008-09-04	1125
2064720	69	TBM2008101105	2008-10-13	1096
2165939	69	TBM2008110602	2008-11-05	1486
3829639	69	TBM2008110803	2008-11-17	1370
3808342	69	TBM2008111101	2008-11-19	1169
2531692	69	TBM2008111104	2008-11-19	1775
2470441	69	TBM2008120803	2008-12-05	2181
2181516	69	TBM2008121503	2008-12-18	1270
2763639	69	TBM2009011001	2009-01-26	1688
2083294	69	TBM2009051005	2009-05-07	2457
3774310	69	TBM2009051009	2009-05-07	1402

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2625031	69	TBM2009051209	2009-05-12	1887
2566836	69	TBM2009071110	2009-07-07	1287
2427067	69	TBM2009081006	2009-08-19	1493
2572789	69	TBM2009081501	2009-08-24	1207
2336082	69	TBM2009091301	2009-09-17	1567
2411655	69	TBM2009100601	2009-10-06	2562
2261112	69	TBM2009110301	2009-11-05	1051
2560496	69	TBM2009111405	2009-11-18	2046
2434316	69	TBM2010040501	2010-04-05	1355
2079401	69	TBM2010051302	2010-05-19	1140
2419372	69	TBM2010051304	2010-05-19	2816
2080472	69	TBM2010051308	2010-05-19	2327
2266369	69	TBM2010060904	2010-06-03	1052
2575697	69	TBM2010060905	2010-06-03	1210
2570183	69	TBM2010060909	2010-06-03	1635
3812695	69	TBM2010070205	2010-07-01	1689
2594061	69	TBM2010070405	2010-07-08	2465
2086160	69	TBM2010070406	2010-07-08	1352
2368870	69	TBM2010070505	2010-07-09	1048
2597404	69	TBM2010091103	2010-09-14	1042
2260753	69	TBM2010091301	2010-09-16	1102
2601058	69	TBM2010091403	2010-09-20	2865
2081603	69	TBM2010091404	2010-09-20	1629
3805257	69	TBM2010100805	2010-10-07	1897
2606828	69	TBM2010100901	2010-10-14	1293
3836312	69	TBM2010100902	2010-10-14	1108
2443246	69	TBM2010101205	2010-10-15	1255
2591970	69	TBM2010101205	2010-10-15	1332
2592824	69	TBM2011030401	2011-03-02	1046
2286992	69	TBM2011051407	2011-05-18	1620
2821942	69	TBM2011060603	2011-06-27	1407
2433348	69	TBM2011070407	2011-07-11	1212
3792951	69	TBM2011090301	2011-09-14	1415
2068285	69	TBM2011100603	2011-10-03	1111
2078029	69	TBM2011100605	2011-10-03	1185
2076364	69	TBM2011110605	2011-11-02	1874
2104079	69	TBM2012010203	2012-01-04	2633
2295559	69	TBM2012010203	2012-01-04	1576
2058699	69	TBM2012050910	2012-05-10	1055
2417038	69	TBM2012081103	2012-08-09	1449
2074213	69	TBM2012100304	2012-10-22	1338
2626432	69	TBM2012100304	2012-10-22	2416
2729472	69	TBM2013050702	2013-05-21	2195
2220896	69	TBM2013060701	2013-06-11	1841
2613844	69	TBM2013060705	2013-06-11	1541
2593918	69	TBM2013060707	2013-06-11	1364
3783398	69	TBM2013070208	2013-07-03	2110
3835495	69	TBM2013071001	2013-07-16	1141
2350167	69	TBM2013080404	2013-08-13	1773
2302958	69	TBM2013091302	2013-09-23	2114
2606493	69	TBM2013110103	2013-11-04	2734
3831694	69	TBM2013110104	2013-11-04	1173

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3812588	69	TBM2014050206	2014-05-06	1215
2366160	69	TBM2014050208	2014-05-06	1749
2444921	69	TBM2014070408	2014-07-07	2530
2079506	69	TBM2014080106	2014-08-06	1596
2663752	69	TBM2014080601	2014-08-07	1109
2072144	69	TBM2014081110	2014-08-14	1319
2483048	69	TBM2014100904	2014-10-06	1463
2466356	69	TBM2014100906	2014-10-06	1695
2602419	69	TBM2014101302	2014-10-14	1324
2086250	69	TBM2014110404	2014-11-12	3094
2073747	69	TBM2014110901	2014-11-06	1334
2081315	69	TBM2014111002	2014-11-13	1713
2308819	69	TBM2015071501	2015-07-09	2546
2073942	69	TBM2015090704	2015-09-03	1064
2463667	69	TBM2015090704	2015-09-03	2509
2787205	69	TBM2015090704	2015-09-03	1405
2453259	69	TBM2015101008	2015-10-13	1182
2462244	69	TBM2015101306	2015-10-26	1169
2320837	69	TBM2015110804	2015-11-02	1414
2099068	69	TBM2015110805	2015-11-02	1050
2102427	69	TBM2015110805	2015-11-02	1235
2077942	69	TBM2015110901	2015-11-12	2013
2312208	69	TBM2015111205	2015-11-03	1107
2078175	69	TBM2016010204	2016-01-11	1258
2472314	69	TBM2016071101	2016-07-07	1473
2653602	69	TBM2016071101	2016-07-07	1151
2551856	69	TBM2016091807	2016-09-08	1623
2561095	69	TBM2016101401	2016-10-13	1129
2603376	69	TBM2016101406	2016-10-13	1594
3795597	69	TBM2017020302	2017-02-13	1147
2327878	69	TBM2017090906	2017-09-27	1121
2289710	69	TBM2017100502	2017-10-16	1626
2630262	69	TBM2017100804	2017-10-10	2535
2131722	69	TBM2017100805	2017-10-10	1223
2133668	69	TBM2017101504	2017-10-06	1204
2134220	69	TBM2017111101	2017-11-06	1280
2670361	69	TBM2018080106	2018-08-13	1070
2820894	69	TBM2018090803	2018-09-14	1265
2428707	69	TBM2018090905	2018-09-10	1793
2854768	69	TBM2018111201	2018-11-01	1289
2031696	69	TBM2019060106	2019-06-03	1628
2841792	69	TBM2019061203	2019-06-17	1816
2859015	69	TBM2019070303	2019-07-01	1375
2879599	69	TBM2019070304	2019-07-01	1102
2810779	69	TBM2019070705	2019-07-08	1065
2297518	69	TBM2019071503	2019-07-09	2024
2836933	69	TBM2019071504	2019-07-09	1729
2944729	69	TBM2019080306	2019-08-05	2215
2857892	69	TBM2019090402	2019-09-24	1755
2795892	69	TBM2019090501	2019-09-16	1923
2465138	69	TBM2019101103	2019-10-15	1183
2933436	69	TBM2019101105	2019-10-15	1757

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3794643	69	TBM2019111303	2019-11-14	1052
3866257	69	TBM2019111304	2019-11-14	1084
2075947	69	TBM2019111306	2019-11-14	1759
2320112	69	TBM2020020406	2020-02-10	1277
2818594	69	TBM2020080105	2020-08-03	1465
2843159	69	TBM2020081206	2020-08-13	3017
2134925	69	TBM2020081207	2020-08-13	1767
2308881	69	TBM2020090902	2020-09-03	1308
2646406	69	TBM2021020703	2021-02-09	1391
2848505	69	TBM2021060902	2021-06-04	1147
2037781	69	TBM2021070703	2021-07-02	2034
2544408	69	TBM2022090903	2022-09-02	1851
2313897	69	TBM2022090904	2022-09-02	1862
2923356	69	TBM2022101103	2022-10-10	1257
3821238	129	1	2001-02-20	1240
2496006	129	1	2003-02-18	1218
2501562	129	1	2003-02-18	1362
2502460	129	1	2003-03-18	1152
2567846	129	1	2003-03-18	1320
2546724	129	1	2010-01-20	1068
2547761	129	1	2010-01-20	1351
2537277	129	1	2010-03-17	1303
2533580	129	1	2011-02-17	1072
2563124	129	1	2011-02-17	3920
2564621	129	1	2011-02-17	2152
2573760	129	1	2011-02-17	4719
2576281	129	1	2011-02-17	1268
2549716	129	1	2011-03-15	1686
2575922	129	10	2003-02-18	1338
3834487	129	10	2003-02-18	1399
2638737	129	10	2011-02-16	2304
2661519	129	10	2011-02-16	1792
2661768	129	10	2011-02-16	1134
3842345	129	10	2011-02-16	1737
3842347	129	10	2011-02-16	1916
2645403	129	10	2011-03-16	3208
2723899	129	10	2011-03-16	1687
3844312	129	10	2011-03-16	1190
3844447	129	10	2011-03-16	1065
2690945	129	10	2022-03-29	1672
2701142	129	10	2022-03-29	2316
2740189	129	10	2022-03-29	1775
2740743	129	12	2001-02-20	1170
2786287	129	12	2010-01-19	1056
2189898	129	2	2009-04-21	1566
2192433	129	2	2009-10-28	1227
2200627	129	2	2009-10-28	1298
2212916	129	2	2011-02-17	1680
2211623	129	3	2001-04-24	1248
2234947	129	3	2002-04-16	1058
2235080	129	3	2002-04-16	2541
2244299	129	3	2002-04-16	1324

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2398217	129	4	2010-02-16	1441
3808850	129	4	2010-02-16	1141
3811567	129	4	2010-02-16	1465
2408985	129	4	2011-02-16	2315
2416970	129	4	2011-02-16	1790
2419951	129	4	2011-02-16	3742
2422896	129	4	2011-02-16	2229
2550748	129	5	2001-03-27	1228
2602239	129	5	2003-03-19	4825
2624443	129	5	2003-03-19	2083
2671255	129	5	2003-03-19	6147
3838237	129	5	2003-03-19	2802
2736440	129	5	2010-01-20	5068
2742948	129	5	2010-01-20	1889
2756118	129	5	2010-01-20	1617
2719515	129	5	2010-03-17	1274
2739057	129	5	2010-03-17	1267
2747186	129	5	2010-03-17	1080
2720112	129	5	2011-02-16	2876
2738646	129	5	2011-02-16	4690
2752052	129	5	2011-02-16	3924
2208977	129	7	2011-02-15	1583
2217463	129	7	2011-02-15	1397
2222086	129	7	2011-02-15	1267
2276765	129	8	2001-02-21	1164
2323768	129	8	2003-02-19	1709
2433159	129	8	2004-02-17	1063
2395319	129	8	2011-02-16	4888
2396320	129	8	2011-02-16	4436
2400089	129	8	2011-02-16	5260
2459785	129	8	2011-02-16	3584
2462540	129	8	2011-02-16	5772
2389707	129	8	2011-03-16	1131
2417848	129	8	2011-04-12	1269
2477386	129	8	2011-04-12	1917
2405266	129	9	2001-03-28	1064
2412751	129	9	2001-03-28	1220
2416022	129	9	2001-03-28	1620
2479113	129	9	2001-03-28	1784
2498941	129	9	2003-02-18	1083
2441029	129	9	2004-03-23	1073
2489575	129	9	2011-01-18	1144
2489376	129	9	2011-02-16	8224
2490183	129	9	2011-02-16	5940
2564130	129	9	2011-02-16	5616
3820709	129	9	2011-02-16	4292
2487476	129	9	2011-03-16	5060
2490097	129	9	2011-03-16	1509
2504798	129	9	2011-03-16	4984
2568045	129	9	2011-03-16	1138
2511984	129	9	2011-04-12	1133
3284510	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

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: **-0.02517** High: **5.64653**

Total data for *Ammonium, Filtered (NH₄)* across all programs: **123348**

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	104	0	104	3128	3.32481	0.08431
5002	144	124	20	58304	0.24698	0.11674

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: **0.78714**

Total data for *Nitrate (NO₃)* across all programs: **19644**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
5002	20	0	20	9266	0.21584	0.10181

Programs containing flagged data:

5002 - Florida STORET / WIN

Nitrite (NO2)

Quantile Values:

Low: **0** High: **0.07941**

Total data for *Nitrite (NO2)* across all programs: **30100**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
4054	12	0	12	1656	0.72464	0.03987
5002	16	0	16	11847	0.13506	0.05316
5033	3	0	3	8373	0.03583	0.00997

Programs containing flagged data:

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

5002 - Florida STORET / WIN

5033 - Southeast Florida Water Quality Assessment Survey

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: **-0.00233** High: **3.14049**

Total data for *NO2+3, Filtered* across all programs: **138920**

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	135	0	135	2869	4.70547	0.09718
476	1	0	1	4876	0.02051	0.00072
4058	1	0	1	2227	0.04490	0.00072
5002	141	139	2	68447	0.20600	0.10150

Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network
 4058 - City of Miami Beach Water Monitoring
 5002 - Florida STORET / WIN

Phosphate, Filtered (PO4)

Quantile Values:

Low: **-0.007** High: **0.76018**

Total data for *Phosphate, Filtered (PO4)* across all programs: **59825**

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	16	0	16	4354	0.36748	0.02674
355	7	0	7	3176	0.22040	0.01170
513	2	0	2	1624	0.12315	0.00334
5002	88	53	35	37734	0.23321	0.14710

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: **0** High: **5.12397**

Total data for *Total Kjeldahl Nitrogen* across all programs: **97604**

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	3	0	3	504	0.59524	0.00307
476	2	0	2	4706	0.04250	0.00205
513	1	0	1	1103	0.09066	0.00102
5002	112	23	89	67561	0.16578	0.11475
5014	3	0	3	1234	0.24311	0.00307

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: **4.2**

Total data for *Total Nitrogen* across all programs: **132488**

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	560	1.60714	0.00679
103	9	9	0	63	14.28571	0.00679
297	1	1	0	25903	0.00386	0.00075
297	1	1	0	25903	0.00386	0.00075
303	3	0	3	504	0.59524	0.00226
303	3	0	3	506	0.59289	0.00226
476	4	0	4	4514	0.08861	0.00302
479	2	0	2	8152	0.02453	0.00151
479	2	0	2	8202	0.02438	0.00151
513	32	30	2	139	23.02158	0.02415
513	32	30	2	755	4.23841	0.02415
514	63	63	0	10395	0.60606	0.04755
514	63	63	0	10437	0.60362	0.04755
4058	2	0	2	2125	0.09412	0.00151
5002	134	17	117	23847	0.56192	0.10114
5002	134	17	117	62384	0.21480	0.10114
5014	2	0	2	551	0.36298	0.00151

Programs containing flagged data:

103 - EPA STORage and RETrieval Data Warehouse (STORET)

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: **2.69**

Total data for *Total Nitrogen* across all programs: **80863**

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	25903	0.00772	0.00247
297	2	1	1	25903	0.00772	0.00247
303	12	0	12	504	2.38095	0.01484

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
303	12	0	12	506	2.37154	0.01484
479	6	0	6	8152	0.07360	0.00742
479	6	0	6	8202	0.07315	0.00742
509	1	0	1	6212	0.01610	0.00124
509	1	0	1	6212	0.01610	0.00124
513	11	9	2	755	1.45695	0.01360
513	11	9	2	139	7.91367	0.01360
514	32	31	1	10437	0.30660	0.03957
514	32	31	1	10395	0.30784	0.03957
5002	50	0	50	23847	0.20967	0.06183
5002	50	0	50	62384	0.08015	0.06183
5058	1	0	1	268	0.37313	0.00124
5058	1	0	1	268	0.37313	0.00124
10000	6	0	6	2079	0.28860	0.00742
10000	6	0	6	2062	0.29098	0.00742

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: **0.74**

Total data for *Total Phosphorus* across all programs: **142813**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
103	7	0	7	5682	0.12320	0.00490
355	3	0	3	771	0.38911	0.00210
476	7	0	7	4798	0.14589	0.00490
479	2	0	2	8190	0.02442	0.00140
513	6	0	6	1124	0.53381	0.00420
5002	200	87	113	55611	0.35964	0.14004
5014	3	0	3	620	0.48387	0.00210
5033	17	17	0	8365	0.20323	0.01190

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)
 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
 5033 - Southeast Florida Water Quality Assessment Survey

Discrete WQ - Water Clarity

Chlorophyll a, Corrected for Pheophytin

Quantile Values:

Low: **0** High: **110**

Total data for *Chlorophyll a, Corrected for Pheophytin* across all programs: **46015**

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	0.00869
303	1	0	1	731	0.13680	0.00217
476	1	0	1	2927	0.03416	0.00217
514	31	25	6	1181	2.62489	0.06737
540	3	0	3	468	0.64103	0.00652
5002	28	1	27	20019	0.13987	0.06085
5014	3	0	3	619	0.48465	0.00652
10000	1	0	1	2256	0.04433	0.00217

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)
 303 - River, Estuary and Coastal Observing Network
 476 - Charlotte Harbor Estuaries Volunteer Water Quality 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: **116.879**

Total data for *Chlorophyll a, Uncorrected for Pheophytin* across all programs: **83122**

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	0.01444
103	26	26	0	4829	0.53841	0.03128
476	1	0	1	2933	0.03409	0.00120

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
479	2	0	2	1839	0.10875	0.00241
514	26	0	26	9818	0.26482	0.03128
540	3	0	3	458	0.65502	0.00361
4054	1	0	1	4433	0.02256	0.00120
5002	34	0	34	18584	0.18295	0.04090
5014	4	0	4	677	0.59084	0.00481
10000	1	0	1	2860	0.03497	0.00120

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network
 103 - EPA STORage and RETrieval Data Warehouse (STORET)
 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: **714.85**

Total data for *Colored Dissolved Organic Matter* across all programs: **22516**

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	17	0	17	1328	1.28012	0.07550
5002	6	0	6	7307	0.08211	0.02665

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: **0.001** High: **7.93897**

Total data for *Light Extinction Coefficient* across all programs: **15549**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
297	24	11	13	10403	0.23070	0.15435

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
4064	1	1	0	619	0.16155	0.00643
5002	3	0	3	2328	0.12887	0.01929
5058	1	1	0	133	0.75188	0.00643

Programs containing flagged data:

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: **15**

Total data for *Secchi Depth* across all programs: **339064**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
60	25	0	25	42	59.52381	0.00737
103	73	2	71	3121	2.33899	0.02153
470	1	0	1	298	0.33557	0.00029
476	1	1	0	3769	0.02653	0.00029
479	4	0	4	8549	0.04679	0.00118
514	3	2	1	9317	0.03220	0.00088
537	1	0	1	220	0.45455	0.00029
3001	28	28	0	8683	0.32247	0.00826
3013	3	3	0	1989	0.15083	0.00088
5002	7	5	2	17921	0.03906	0.00206
5033	206	0	206	4797	4.29435	0.06076
10000	1	1	0	2890	0.03460	0.00029

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)
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: **183.32**

Total data for *Total Suspended Solids* across all programs: **72341**

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	3614	0.08301	0.00415
513	3	0	3	1078	0.27829	0.00415
4054	9	0	9	3562	0.25267	0.01244
5002	70	18	52	45224	0.15479	0.09676
5033	8	2	6	8993	0.08896	0.01106

Programs containing flagged data:

103 - EPA STOrage and RETrieval Data Warehouse (STORET)

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: **126**

Total data for *Turbidity* across all programs: **296658**

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	0.00034
103	235	11	224	19595	1.19929	0.07922
297	29	29	0	26377	0.10994	0.00978
303	38	11	27	604	6.29139	0.01281
354	14	0	14	734	1.90736	0.00472
469	5	5	0	481	1.03950	0.00169
505	2	2	0	74	2.70270	0.00067
557	2	2	0	369	0.54201	0.00067
4058	2	0	2	2316	0.08636	0.00067
5002	25	0	25	204547	0.01222	0.00843
5026	10	9	1	410	2.43902	0.00337

Programs containing flagged data:

95 - Harmful Algal Bloom Marine Observation Network

103 - EPA STOrage and RETrieval Data Warehouse (STORET)

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

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: **0.22** High: **14**

Total data for *Dissolved Oxygen* across all programs: **826746**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
69	624	81	543	276902	0.22535	0.07548
95	49	9	40	15152	0.32339	0.00593
103	1	0	1	24048	0.00416	0.00012
118	4	4	0	549	0.72860	0.00048
297	3	1	2	31754	0.00945	0.00036
355	2	2	0	2464	0.08117	0.00024
470	1	0	1	242	0.41322	0.00012
476	4	4	0	4358	0.09179	0.00048
479	42	36	6	19880	0.21127	0.00508
509	2	1	1	12158	0.01645	0.00024
513	2	2	0	442	0.45249	0.00024
537	1	1	0	290	0.34483	0.00012
540	1	0	1	393	0.25445	0.00012
557	1	0	1	1129	0.08857	0.00012
560	6	0	6	2104	0.28517	0.00073
3000	8	8	0	386	2.07254	0.00097
3001	14	9	5	12749	0.10981	0.00169
3013	1	0	1	2283	0.04380	0.00012
4043	4	4	0	2977	0.13436	0.00048
4054	6	0	6	2792	0.21490	0.00073
4058	7	3	4	2254	0.31056	0.00085
4067	45	37	8	17562	0.25624	0.00544
5002	762	569	193	370822	0.20549	0.09217
5014	3	3	0	275	1.09091	0.00036
5058	2	2	0	266	0.75188	0.00024
10000	7	7	0	6160	0.11364	0.00085

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)
 118 - National Aquatic Resource Surveys, National Coastal Condition Assessment
 297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

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
 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: **0.31334** High: **175.313**

Total data for *Dissolved Oxygen Saturation* across all programs: **145871**

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	0.00206
129	1	0	1	3933	0.02543	0.00069
297	12	0	12	25419	0.04721	0.00823
303	2	0	2	594	0.33670	0.00137
572	1	0	1	27	3.70370	0.00069
3001	137	117	20	12665	1.08172	0.09392
3013	3	0	3	1160	0.25862	0.00206
4064	1	0	1	619	0.16155	0.00069
4067	31	0	31	17104	0.18124	0.02125
5002	100	28	72	65500	0.15267	0.06855
5008	1	0	1	2278	0.04390	0.00069

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
 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

pH

Quantile Values:

Low: **5.3** High: **9.3**

Total data for pH across all programs: **659454**

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	0.05702
95	54	7	47	12891	0.41890	0.00819
103	1	0	1	13822	0.00723	0.00015
129	7	3	4	2248	0.31139	0.00106
303	16	0	16	533	3.00188	0.00243
354	12	2	10	885	1.35593	0.00182
355	11	4	7	1284	0.85670	0.00167
469	13	0	13	1168	1.11301	0.00197
470	1	0	1	244	0.40984	0.00015
476	4	2	2	4761	0.08402	0.00061
477	4	4	0	171	2.33918	0.00061
479	16	7	9	17487	0.09150	0.00243
509	25	25	0	3472	0.72005	0.00379
560	2	2	0	1841	0.10864	0.00030
3000	2	0	2	331	0.60423	0.00030
3001	6	4	2	12159	0.04935	0.00091
3013	1	0	1	2271	0.04403	0.00015
4054	1	1	0	2775	0.03604	0.00015
4058	5	1	4	2308	0.21664	0.00076
4065	1	0	1	314	0.31847	0.00015
4067	12	3	9	13727	0.08742	0.00182
5002	653	451	202	274319	0.23804	0.09902

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)
 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
 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**

Total data for *Salinity* across all programs: **826635**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
3	16	0	16	4636	0.34513	0.00194
69	154	0	154	278912	0.05521	0.01863
95	129	0	129	26609	0.48480	0.01561
115	3	0	3	360	0.83333	0.00036
118	16	0	16	535	2.99065	0.00194
297	34	0	34	31427	0.10819	0.00411
354	6	0	6	1283	0.46765	0.00073
456	6	0	6	134	4.47761	0.00073
476	21	0	21	4999	0.42008	0.00254
509	23	0	23	12034	0.19113	0.00278
537	1	0	1	288	0.34722	0.00012
560	1	0	1	2129	0.04697	0.00012
965	9	0	9	4157	0.21650	0.00109
3000	4	0	4	388	1.03093	0.00048
3001	14	0	14	12721	0.11005	0.00169
3013	4	0	4	2346	0.17050	0.00048
4043	1	0	1	3042	0.03287	0.00012
4049	27	0	27	1354	1.99409	0.00327
4057	3	0	3	230	1.30435	0.00036
4058	3	0	3	2308	0.12998	0.00036
4067	3	0	3	12597	0.02382	0.00036
5002	298	0	298	378473	0.07874	0.03605

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
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
 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: **60.4**

Total data for *Specific Conductivity* across all programs: **421799**

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	0.09412
95	1	1	0	2834	0.03529	0.00024
103	1	0	1	10667	0.00937	0.00024
354	13	0	13	425	3.05882	0.00308
355	1	0	1	628	0.15924	0.00024
479	1	0	1	15148	0.00660	0.00024
514	1	0	1	2602	0.03843	0.00024
537	1	0	1	243	0.41152	0.00024
572	1	0	1	27	3.70370	0.00024
3013	5	0	5	2290	0.21834	0.00119
4058	18	0	18	2301	0.78227	0.00427
4067	4	0	4	13474	0.02969	0.00095
5002	368	0	368	110341	0.33351	0.08725
10000	2	0	2	6180	0.03236	0.00047

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)
 354 - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program
 355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program
 479 - Southwest Florida Water Management District - Water Quality Monitoring
 514 - Florida LAKEWATCH Program
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
 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
 10000 - RiverKeeper

Water Temperature

Quantile Values:

Low: **6.5** High: **33.9**

Total data for *Water Temperature* across all programs: **876762**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
69	410	114	296	279298	0.14680	0.04676
95	82	3	79	25830	0.31746	0.00935
103	5	0	5	25337	0.01973	0.00057
129	2	1	1	3959	0.05052	0.00023
297	33	2	31	31387	0.10514	0.00376
303	1	0	1	605	0.16529	0.00011
354	7	0	7	1281	0.54645	0.00080
355	11	11	0	2484	0.44283	0.00125
476	2	1	1	5044	0.03965	0.00023
479	4	0	4	18404	0.02173	0.00046
509	8	0	8	12044	0.06642	0.00091
537	1	0	1	290	0.34483	0.00011
540	2	0	2	434	0.46083	0.00023
557	1	0	1	1118	0.08945	0.00011
558	1	0	1	416	0.24038	0.00011
560	3	0	3	2129	0.14091	0.00034
965	5	0	5	4157	0.12028	0.00057
982	5	0	5	1129	0.44287	0.00057
3000	13	0	13	379	3.43008	0.00148
3001	74	3	71	12780	0.57903	0.00844
3013	10	0	10	2336	0.42808	0.00114
4043	3	0	3	3039	0.09872	0.00034
4054	7	1	6	2889	0.24230	0.00080
4057	1	0	1	227	0.44053	0.00011
4058	2	0	2	2298	0.08703	0.00023
4064	3	0	3	619	0.48465	0.00034
4067	3	0	3	16167	0.01856	0.00034
5002	960	712	248	403374	0.23799	0.10949
5008	1	0	1	2278	0.04390	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)
 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
 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
 509 - SERC Water Quality Monitoring Network
 537 - Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring
 540 - Shellfish Harvest Area Classification Program
 557 - Central Panhandle Aquatic Preserves Seagrass Monitoring
 558 - Franklin County Coastal Waters Seagrass Monitoring
 560 - Big Bend Seagrasses & Nature Coast Aquatic Preserves - Seagrass Monitoring
 965 - South Florida Seagrass Fish and Invertebrate Assessment Network
 982 - Florida Keys Bleach Watch
 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
 4057 - Biscayne Bay Water Watch
 4058 - City of Miami Beach Water Monitoring
 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

Continuous WQ

Continuous WQ - Water Quality

Dissolved Oxygen

Quantile Values:

Low: **0.1** High: **13.4**

Total data for *Dissolved Oxygen* across all programs: **13290413**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
7	12	0	12	11123	0.10788	0.00009
354	1800	578	1222	2605529	0.06908	0.01354
355	13372	3078	10294	3096192	0.43189	0.10061
467	118	76	42	223874	0.05271	0.00089
468	144	2	142	207810	0.06929	0.00108
471	80	1	79	810606	0.00987	0.00060
474	41	14	27	967358	0.00424	0.00031
505	1	1	0	3794	0.02636	0.00001
512	897	446	451	1595488	0.05622	0.00675
4054	2	2	0	2569101	0.00008	0.00002
5006	17	17	0	281047	0.00605	0.00013
5061	143	38	105	165776	0.08626	0.00108
5077	1458	1003	455	664324	0.21947	0.01097

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 Program

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: **1.5** High: **171.3**

Total data for *Dissolved Oxygen Saturation* across all programs: **13381044**

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	4421	2619	1802	2630307	0.16808	0.03304
355	9817	7358	2459	3101551	0.31652	0.07336
467	242	237	5	230142	0.10515	0.00181
468	267	2	265	223905	0.11925	0.00200
471	479	9	470	817649	0.05858	0.00358
474	835	144	691	979385	0.08526	0.00624
505	1	1	0	3748	0.02668	0.00001
512	3959	746	3213	1594448	0.24830	0.02959
4054	8	8	0	2588423	0.00031	0.00006
5006	55	55	0	281080	0.01957	0.00041
5061	205	32	173	173069	0.11845	0.00153
5077	5302	1069	4233	668946	0.79259	0.03962

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 Program
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

pH

Quantile Values:

Low: 5 High: 9

Total data for *pH* across all programs: **13801569**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
355	15013	12183	2830	3135442	0.47882	0.10878
468	315	2	313	231686	0.13596	0.00228
471	4572	0	4572	970285	0.47120	0.03313
474	362	13	349	1135495	0.03188	0.00262
512	377	60	317	1501543	0.02511	0.00273
4054	97	0	97	2517269	0.00385	0.00070
5061	4534	0	4534	163886	2.76656	0.03285

Programs containing flagged data:

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 Program
 4054 - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program
 5061 - St. Johns River Water Management District Continuous Water Quality Programs

Salinity

Quantile Values:

Low: **0** High: **40.9**

Total data for *Salinity* across all programs: **14649084**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
2	38	0	38	86204	0.04408	0.00026
7	422	0	422	53814	0.78418	0.00288
354	11559	0	11559	2966513	0.38965	0.07891
355	373	0	373	3247498	0.01149	0.00255
474	1142	0	1142	1159380	0.09850	0.00780
4054	92	0	92	2552698	0.00360	0.00063
5006	9	0	9	292902	0.00307	0.00006

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

Water Temperature

Quantile Values:

Low: **8.1** High: **33.8**

Total data for *Water Temperature* across all programs: **36716557**

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	9131	2893	6238	6014688	0.15181	0.02487
7	529	0	529	86786	0.60955	0.00144
296	2954	0	2954	3987025	0.07409	0.00805
354	9800	67	9733	3050975	0.32121	0.02669
355	12401	12066	335	3339416	0.37135	0.03377
467	1272	1219	53	265295	0.47947	0.00346
468	2882	2187	695	259581	1.11025	0.00785

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
471	12204	10967	1237	1254840	0.97255	0.03324
474	5976	198	5778	1250045	0.47806	0.01628
505	13	12	1	3870	0.33592	0.00004
512	1511	322	1189	1711243	0.08830	0.00412
986	306	0	306	8692018	0.00352	0.00083
989	104	1	103	1824357	0.00570	0.00028
4054	6113	2580	3533	2682810	0.22786	0.01665
5005	294	0	294	43791	0.67137	0.00080
5006	1543	1542	1	293314	0.52606	0.00420
5061	177	174	3	166235	0.10648	0.00048
5077	1741	914	827	696175	0.25008	0.00474
10003	51	0	51	41374	0.12327	0.00014

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 Program
 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

Continuous WQ - Water Clarity

Turbidity

Quantile Values:

Low: **0** High: **538**

Total data for *Turbidity* across all programs: **13198140**

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

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
354	1607	0	1607	2800135	0.05739	0.01218
355	5381	0	5381	3029152	0.17764	0.04077
467	88	0	88	252626	0.03483	0.00067

ProgramID	n flagged	n low	n high	n tot	pct prog	pct all
468	312	1	311	193869	0.16093	0.00236
471	386	0	386	908819	0.04247	0.00292
473	25	0	25	8263	0.30255	0.00019
474	32	0	32	935185	0.00342	0.00024
512	3953	0	3953	1393376	0.28370	0.02995
4054	1146	0	1146	2492832	0.04597	0.00868
5006	220	0	220	284397	0.07736	0.00167
5077	5	0	5	670267	0.00075	0.00004
10003	34	0	34	41169	0.08259	0.00026

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 Program
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
10003 - Tomoka Marsh Aquatic Preserve Continuous Water Quality Monitoring