

JEPB Air Quality Branch Briefing September 2026

Air Committee Meeting

There was no committee meeting last month.

Personnel

The Air Quality Branch currently has the following vacancies: none.

Funding

DHS grant (BioWatch – known as MDS for COJ) – grant is expected to be awarded for period of September 1, 2026 to July 31, 2027 in soon. COJ has contracted with Tetra Tech to perform field services.

Response Group

The following are the service requests received through the MyJax system last month:

Air General complaints = 4

Noise = 42

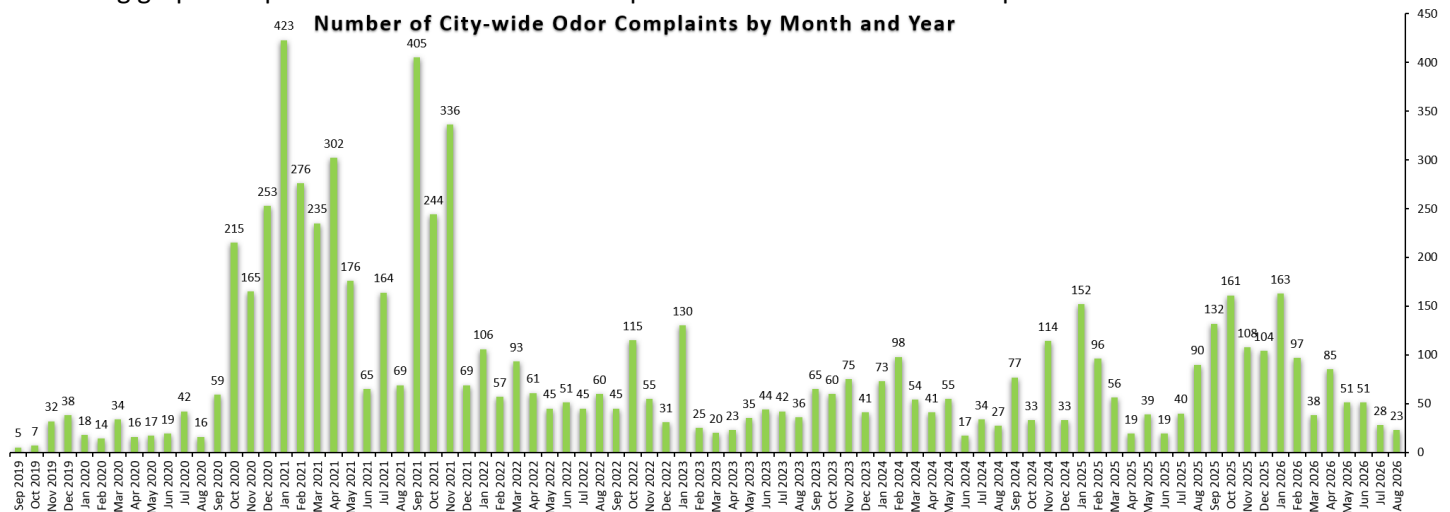
Odor = 23, validated: 1 IFF

Open Burning Complaints = 16

Open Burning Permit Requests = 5

Open Burning Permits issued = 3

The following graph compares the number of odor complaints for each month since September 2019.



Compliance Group

Compliance inspections for last month = 2

Compliance test observations for last month = 1

Compliance test and periodic reports reviewed last month = 15

Asbestos notifications received last month = 51

Asbestos inspections for last month = 24

Ambient Air Monitoring Group

Air monitoring sites:

Mandarin: This site does not meet siting criteria due to the height of trees in the prominent wind direction. This does not invalidate data. Several trees were removed but one that was intended to be removed could not due to a boat in the way at the adjacent boat storage yard. When one of the trees was removed it revealed trees behind it that now cause

the site to not meet siting criteria. One of the trees is on private property in the boat storage yard. We are evaluating next steps.

AQI report (attached):

August air quality based on the AQI rating system was either good or moderate for the month. The highest values were 87 for Ozone and 68 for PM2.5. These values are below the unhealthy for sensitive groups value of 101.

Completeness (attached):

All ozone monitors in the COJ network reported greater than 98% for the month of August. All other monitors reported greater than the 75% requirement. Mandarin is experiencing data logger issues; PM data is being downloaded from the analyzer and manually entered. Mandarin will meet its 75% requirement once all data has been uploaded. The SO2 5-minute data at Kooker Park will be uploaded as part of the data validation process and will be consistent with previous months.

Open Variances

FaverGray (Amb Garage)	Variance approved March 2025 and is in place through October 2026	
FaverGray (Gateway Jax N11)	Variance approved March 2025 and is in place through October 2026	
Fansler	Variance approved in January 2025 and is in place through February 2027	
FaverGray (Gateway Jax N4)	Variance approved June 2025 and is in place through July 2027	
JEA	Variance approved in January 2026 and is in place through March 2028	
Brasfield & Gorrie	Variance approved in October 2025 and is in place through November 2028	
Jacksonville Center for Endoscopy	Nighttime Dumpster Permit	expired
Residences at Barnett	Nighttime Dumpster Permit	expired

Mobile Air Monitoring Project

The main mobile air monitoring instrument, a Syft i3 mass spectrometer, was received on 9/30/2025 and installed temporarily in an office pending purchase and buildout of our GMAP van. Since the van purchase and buildout of the van will take months, we plan to operate the i3 in the office to learn the instrument, develop the analytical methods for each type of anticipated mobile survey, and develop some preliminary data. The office lab setup includes a specially engineered exhaust filter to allow exhausting the instrument indoors, 208V power to the office, purchase of nitrogen, instrument rack, tubing and fittings, analytical standards dilution system pass through exhaust. During this interim period, we will collect samples in 6-liter silica-lined canisters that we have from our past air toxics program.

Major tasks left to do to start performing mobile surveys:

- Design the mobile sample collection manifold and test in the office lab. We have a preliminary design that we will build in the lab for testing. Done.
- Have COJ Fleet purchase van – ordered. Van received and undergoing minor enhancements in Jax.
- Procure (bid) the buildout of the van – specification complete. Procurement is currently bidding buildout. Bid deadline is Sep 14, 2026.
- Submit Quality Assurance Project Plan (QAPP) to EPA for approval. Approval must be received before usable data can be collected (required due to partial funding by EPA grant). We have a draft QAPP that is currently being revised.

Potential changes to project budget:

- The Syft i3 was purchased (\$246,449.70 including engineered exhaust filter) using EPA grant funds. With the Syft i3 being paid out of the EPA grant, we will be re-evaluating the JEPB funding budget and likely moving funds between categories, such as shifting funds from Specialized Equipment to Part Time Salaries and Professional Services. Details will follow in subsequent status reports. We are waiting until we have the cost of the van buildout.

- A request was submitted to EPA to allow us to purchase some auxiliary equipment using the remaining EPA grant funds – approved.

Florida Department of Environmental Protection

AIR MONITORING VALIDATION PROGRAM

AQI Summary Report

Report Created 09/04/2026 13:06:39

Criteria

Date Range: 01/01/2026 - 12/31/2026

County: Duval Year 2026

Day	January	February	March	April	May	June	July	August	September
1	59 PM _{2.5}	35 PM _{2.5}	45 PM _{2.5}	48 PM _{2.5}	53 PM _{2.5}	42 PM _{2.5}	40 PM _{2.5}	52 PM _{2.5}	25 O ₃
2	56 PM _{2.5}	51 PM _{2.5}	43 PM _{2.5}	40 O ₃	54 PM _{2.5}	53 PM _{2.5}	43 PM _{2.5}	37 PM _{2.5}	29 PM _{2.5}
3	34 O ₃	75 PM _{2.5}	55 PM _{2.5}	52 PM _{2.5}	47 O ₃	46 O ₃	39 PM _{2.5}	39 PM _{2.5}	28 PM _{2.5}
4	53 PM _{2.5}	60 PM _{2.5}	48 PM _{2.5}	42 PM _{2.5}	61 O ₃	47 O ₃	57 PM _{2.5}	51 PM _{2.5}	11 O ₃
5	61 PM _{2.5}	52 PM _{2.5}	43 PM _{2.5}	44 PM _{2.5}	71 O ₃	51 O ₃	53 PM _{2.5}	52 PM _{2.5}	
6	57 PM _{2.5}	52 PM _{2.5}	39 PM _{2.5}	42 PM _{2.5}	51 PM _{2.5}	41 O ₃	39 PM _{2.5}	36 PM _{2.5}	
7	52 PM _{2.5}	60 PM _{2.5}	35 PM _{2.5}	48 PM _{2.5}	158 PM _{2.5}	43 O ₃	44 PM _{2.5}	46 PM _{2.5}	
8	52 PM _{2.5}	58 PM _{2.5}	39 PM _{2.5}	58 PM _{2.5}	70 PM _{2.5}	44 O ₃	53 PM _{2.5}	32 PM _{2.5}	
9	44 PM _{2.5}	56 PM _{2.5}	44 PM _{2.5}	58 PM _{2.5}	43 PM _{2.5}	34 PM _{2.5}	62 PM _{2.5}	38 PM _{2.5}	
10	34 PM _{2.5}	55 PM _{2.5}	43 PM _{2.5}	46 O ₃	52 PM _{2.5}	29 PM _{2.5}	62 PM _{2.5}	55 PM _{2.5}	
11	33 PM _{2.5}	43 PM _{2.5}	47 PM _{2.5}	49 O ₃	50 PM _{2.5}	44 PM _{2.5}	67 PM _{2.5}	62 PM _{2.5}	
12	33 O ₃	40 PM _{2.5}	39 O ₃	56 PM _{2.5}	54 PM _{2.5}	55 PM _{2.5}	56 PM _{2.5}	39 PM _{2.5}	
13	46 PM _{2.5}	53 PM _{2.5}	46 O ₃	54 O ₃	35 O ₃	52 PM _{2.5}	52 PM _{2.5}	46 PM _{2.5}	
14	57 PM _{2.5}	49 PM _{2.5}	43 O ₃	84 O ₃	64 O ₃	47 PM _{2.5}	54 PM _{2.5}	52 PM _{2.5}	
15	34 PM _{2.5}	49 PM _{2.5}	35 PM _{2.5}	58 O ₃	55 PM _{2.5}	56 PM _{2.5}	62 PM _{2.5}	46 PM _{2.5}	
16	45 PM _{2.5}	37 O ₃	33 O ₃	52 PM _{2.5}	54 O ₃	52 PM _{2.5}	59 PM _{2.5}	58 PM _{2.5}	
17	41 PM _{2.5}	43 O ₃	39 O ₃	58 O ₃	48 O ₃	53 PM _{2.5}	54 PM _{2.5}	68 PM _{2.5}	
18	42 PM _{2.5}	38 O ₃	45 O ₃	74 O ₃	51 O ₃	54 PM _{2.5}	53 PM _{2.5}	57 PM _{2.5}	
19	39 PM _{2.5}	54 PM _{2.5}	52 PM _{2.5}	53 PM _{2.5}	39 PM _{2.5}	43 PM _{2.5}	59 PM _{2.5}	87 O ₃	
20	50 PM _{2.5}	64 PM _{2.5}	55 PM _{2.5}	50 O ₃	44 O ₃	47 O ₃	58 PM _{2.5}	61 O ₃	
21	57 PM _{2.5}	60 PM _{2.5}	67 PM _{2.5}	77 O ₃	43 O ₃	37 O ₃	69 PM _{2.5}	45 PM _{2.5}	
22	40 PM _{2.5}	42 O ₃	58 PM _{2.5}	68 PM _{2.5}	39 PM _{2.5}	44 PM _{2.5}	58 PM _{2.5}	43 PM _{2.5}	
23	57 PM _{2.5}	36 O ₃	58 PM _{2.5}	57 PM _{2.5}	41 PM _{2.5}	49 PM _{2.5}	54 PM _{2.5}	53 PM _{2.5}	
24	61 PM _{2.5}	37 PM _{2.5}	61 PM _{2.5}	80 PM _{2.5}	40 PM _{2.5}	52 PM _{2.5}	43 PM _{2.5}	57 PM _{2.5}	
25	53 PM _{2.5}	45 PM _{2.5}	63 PM _{2.5}	51 PM _{2.5}	44 PM _{2.5}	52 PM _{2.5}	55 PM _{2.5}	57 PM _{2.5}	
26	36 PM _{2.5}	47 PM _{2.5}	42 PM _{2.5}	56 PM _{2.5}	56 PM _{2.5}	53 PM _{2.5}	59 PM _{2.5}	47 PM _{2.5}	
27	48 PM _{2.5}	53 PM _{2.5}	53 PM _{2.5}	49 PM _{2.5}	54 PM _{2.5}	52 PM _{2.5}	63 PM _{2.5}	36 PM _{2.5}	
28	58 PM _{2.5}	33 O ₃	58 PM _{2.5}	44 O ₃	41 PM _{2.5}	58 PM _{2.5}	72 PM _{2.5}	42 PM _{2.5}	
29	58 PM _{2.5}		53 PM _{2.5}	49 O ₃	38 PM _{2.5}	59 PM _{2.5}	61 PM _{2.5}	43 PM _{2.5}	
30	60 PM _{2.5}		49 PM _{2.5}	52 PM _{2.5}	42 PM _{2.5}	52 PM _{2.5}	57 PM _{2.5}	33 O ₃	
31	63 PM _{2.5}		46 PM _{2.5}		50 PM _{2.5}		56 PM _{2.5}	31 O ₃	

Note: The Air Quality Index posted for the current day uses data from midnight to the current hour only. 24 hour calculations are not included until 18 hours of the day have passed. The calculation cannot be complete until midnight.

Number of Days AQI Values	Good ≤50	Moderate 51-100	Unhealthy for sensitive groups 101-150	Unhealthy 151-200	Very unhealthy 201-300	Hazardous >301
O ₃	36	14				
PM _{2.5}	83	113		1		
Totals	119	127		1		

Number of Days with AQI Values = 247

Highest AQI Reported = 158 PM_{2.5} on 5/7/2026

Florida Department of Environmental Protection

AIR MONITORING VALIDATION PROGRAM

Completeness Report

Report Created 09/04/2026 13:02:08

Criteria

Date Range: 01/01/2026 - 12/31/2026

Site	Parameter	Interval	Valid Readings	Expected Readings
L0310032	NO2	001h	5176	5918
L0310032	PM10C	001h	5898	5918
L0310032	PM25C_3	001h	5898	5918
L0310032	SO2	001h	5572	5918
L0310032	SO2	005m	55069	71005
L0310077	O3	001h	5867	5918
L0310077	PM25C	001h	5612	5918
L0310098	PM10C	001h	5405	5918
L0310098	PM25C_3	001h	5404	5918
L0310099	PM25C_3	001h	5797	5918
L0310100	O3	001h	5855	5918
L0310100	PM25C	001h	5837	5918
L0310106	O3	001h	5816	5918
L0310108	CO	001h	5833	5918
L0310108	NO2	001h	5629	5918
L0310108	PM25C_3	001h	5898	5918

Site: L0310032 Parameter: NO2 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	97.45	87.95	94.09	93.33	27.36	99.33	99.58	75.69	99.06	92.74	93.02	95.74	N/A	N/A	N/A	N/A	87.46
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	725	591	700	2016	197	739	717	1653	737	690	80	1507	0	0	0	0	5176

Site: L0310032 Parameter: PM10C Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.33	99.85	99.87	99.68	99.86	99.87	99.58	99.77	99.87	99.87	93.02	99.49	N/A	N/A	N/A	N/A	99.66
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	739	671	743	2153	719	743	717	2179	743	743	80	1566	0	0	0	0	5898

Site: L0310032 Parameter: PM25C_3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.33	99.85	99.87	99.68	99.86	99.87	99.58	99.77	99.87	99.87	93.02	99.49	N/A	N/A	N/A	N/A	99.66
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	739	671	743	2153	719	743	717	2179	743	743	80	1566	0	0	0	0	5898

Site: L0310032 Parameter: SO2 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	95.03	99.55	99.60	98.01	81.94	99.60	98.89	93.54	99.60	79.44	93.02	89.71	N/A	N/A	N/A	N/A	94.15
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	707	669	741	2117	590	741	712	2043	741	591	80	1412	0	0	0	0	5572

Site: L0310032 Parameter: SO2 Interval: 005m

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	88.87	92.86	93.11	91.57	78.18	92.99	92.29	87.88	93.00	0.00	0.00	43.98	N/A	N/A	N/A	N/A	77.56
Readings Expected	8928	8064	8928	25920	8640	8928	8640	26208	8928	8928	1021	18877	0	0	0	0	71005
Readings Collected	7934	7488	8313	23735	6755	8302	7974	23031	8303	0	0	8303	0	0	0	0	55069

Site: L0310077 Parameter: O3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.06	99.26	99.46	99.26	99.44	98.39	98.89	98.90	99.60	99.73	93.02	99.30	N/A	N/A	N/A	N/A	99.14
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	737	667	740	2144	716	732	712	2160	741	742	80	1563	0	0	0	0	5867

Site: L0310077 Parameter: PM25C Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.06	98.96	99.06	99.03	95.00	72.85	98.61	88.64	98.92	96.91	93.02	97.65	N/A	N/A	N/A	N/A	94.83

Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	737	665	737	2139	684	542	710	1936	736	721	80	1537	0	0	0	0	5612

Site: L0310098 Parameter: PM10C Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	100.00	99.85	99.73	99.86	99.72	99.46	84.44	94.60	99.73	59.14	0.00	75.10	N/A	N/A	N/A	N/A	91.33
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	744	671	742	2157	718	740	608	2066	742	440	0	1182	0	0	0	0	5405

Site: L0310098 Parameter: PM25C_3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	100.00	99.85	99.73	99.86	99.72	99.46	84.44	94.60	99.60	59.14	0.00	75.03	N/A	N/A	N/A	N/A	91.31
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	744	671	742	2157	718	740	608	2066	741	440	0	1181	0	0	0	0	5404

Site: L0310099 Parameter: PM25C_3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.87	99.85	99.87	99.86	99.58	99.73	99.72	99.68	99.87	86.02	93.02	92.95	N/A	N/A	N/A	N/A	97.96
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	743	671	743	2157	717	742	718	2177	743	640	80	1463	0	0	0	0	5797

Site: L0310100 Parameter: O3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	98.79	99.40	99.46	99.21	99.31	99.06	97.78	98.72	99.46	98.92	93.02	98.86	N/A	N/A	N/A	N/A	98.94
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	735	668	740	2143	715	737	704	2156	740	736	80	1556	0	0	0	0	5855

Site: L0310100 Parameter: PM25C Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.06	98.81	98.25	98.70	98.47	98.52	98.33	98.44	99.06	99.19	93.02	98.79	N/A	N/A	N/A	N/A	98.63
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	737	664	731	2132	709	733	708	2150	737	738	80	1555	0	0	0	0	5837

Site: L0310106 Parameter: O3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	91.40	99.55	99.60	96.76	99.58	99.60	99.31	99.50	99.60	99.73	81.40	98.67	N/A	N/A	N/A	N/A	98.28
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	680	669	741	2090	717	741	715	2173	741	742	70	1553	0	0	0	0	5816

Site: L0310108 Parameter: CO Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	98.52	99.26	99.60	99.12	98.75	97.31	99.31	98.44	98.66	97.85	93.02	97.97	N/A	N/A	N/A	N/A	98.56
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	733	667	741	2141	711	724	715	2150	734	728	80	1542	0	0	0	0	5833

Site: L0310108 Parameter: NO2 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	90.59	98.21	83.87	90.65	97.36	96.24	99.03	97.53	99.33	97.04	93.02	97.90	N/A	N/A	N/A	N/A	95.12
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	674	660	624	1958	701	716	713	2130	739	722	80	1541	0	0	0	0	5629

Site: L0310108 Parameter: PM25C_3 Interval: 001h

	Jan	Feb	Mar	Quarter 1	Apr	May	Jun	Quarter 2	Jul	Aug	Sep	Quarter 3	Oct	Nov	Dec	Quarter 4	Year
Percentage	99.87	100.00	99.87	99.91	100.00	98.39	100.00	99.45	100.00	100.00	93.02	99.62	N/A	N/A	N/A	N/A	99.66
Readings Expected	744	672	744	2160	720	744	720	2184	744	744	86	1574	0	0	0	0	5918
Readings Collected	743	672	743	2158	720	732	720	2172	744	744	80	1568	0	0	0	0	5898