

In Field Instrument Review
Date Range: 2023.09.06 – 2023.10.24
Review Completed on 2023.11.21 by Carlie Glaister

Status Messages and Action Taken

100342 (Bethel PD): 2/10 RFI on Subject Tests – No action taken.

100344 (Juneau PD): 1/37 RFI on Subject Tests followed by a completed test, 2/37 Subject Interference on Subject Tests, 2/37 Tank Interference on Subject Tests, 1/37 Blank Error on Subject Tests, 1/37 Standard Out of Range on Subject Tests, and 2/37 Internal Standard Error on Subject Tests. 1 Tank Interference is followed by a completed test. 1 Standard Out of Range, then 1 Internal Standard Error, then 1 Blank Error occur consecutively on the same individual, followed by a completed test. 1 Internal Standard Error and 1 Tank Interference occur consecutively followed by a completed test. – Remove from service, replacement instrument sent on 11/21/2023.

100346 (Kenai PD): 2/19 Subject Interference on Subject Tests – No action taken.

100351 (AST/Soldotna): 4/41 RFI on Subject Tests, 2/41 Subject Interference on Subject Tests on the same individual followed by a completed test, 1/41 Blank Error on Subject Tests followed by a completed test – No action taken.

100358 (AST/Mat-Su West): 7/20 RFI on Subject Tests. 3 occurred on one individual followed by a completed test, 2 occurred on a second individual followed by an incomplete test, and 1 occurred on a third individual followed by a completed test – Recommend monitoring for RFI status messages.

100366 (Kodiak PD): 3/13 RFI on Subject Tests – No action taken.

100374 (AST/Delta): 1/5 RFI on Subject Tests – No action taken.

100392 (Homer PD): 2/29 RFI on Subject Tests, 1/29 Blank Error on Subject Tests followed by a completed test – No action taken.

100403 (Wasilla PD): 1/29 RFI on Subject Tests, 1/29 Pump Error on Subject Tests followed by a completed test – No action taken.

100405 (Fairbanks Airport Police): 2/2 Diagnostic Failed due to Internal Standard on VOC Tests. This instrument was removed from service for this reason on 09/09/2023 (100405 2023.09.09 Change In Status).

100413 (Fairbanks PD): 3/41 RFI on Subject Tests – No action taken.

100415 (JBER): 1/9 Subject Interference on Subject Tests, 2/9 Tank Interference on Subject Tests, 1/9 Blank Error on Subject Tests, 1/2 Blank Error on VOC Tests. All tests are labeled as “TEST”. This instrument was removed from service on 10/19/2023 (100415 2023.10.19 Change In Status) due to being a loaner for the agency owned instrument.

100422 (JBER): 8/45 RFI on Subject Tests, 1/45 Subject Interference on Subject Tests followed by a completed test, 3/45 Ambient Fail on Subject Tests (1 on a test labeled TEST) – No action taken.

100424 (Eielson AFB): 1/8 Subject Interference on Subject Tests, 1/8 Tank Interference on Subject Tests, both status messages occurred on the same individual – No action taken.

100667 (Anchorage PD): 1/142 RFI on Subject Tests, 1/142 Blank Error on Subject Tests followed by a completed test, 1/142 Ambient Fail on Subject Tests followed by a completed test – No action taken.

100668 (North Pole PD): 1/6 Blank Error on Subject Tests, 1/6 Standard Out of Range on Subject Tests, both status messages occurred on the same individual followed by a completed test – No action taken.

100669 (Palmer PD): 4/45 RFI on Subject Tests, 1/45 Standard Out of Range on Subject Tests followed by a completed test – No action taken.

100679 (Skagway PD): 1/7 RFI on Subject Tests – No action taken.

100681 (Soldotna PD): 2/9 Subject Interference on Subject Tests - No action taken.

100687 (Anchorage PD): 6/13 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. On 10/16/2023 the crime lab corresponded with APD regarding diagnostic failed status messages due to the breath tube temperature being too low (100687 2023.10.16 Change In Status). The breath hose was inspected and reconnected. On 10/28/2023 the DataMaster was moved to a different room (100687 2023.10.28 Change In Status). These status messages have not recurred since being moved. It was observed that there are multiple internal standard errors after this cycle – Remove from service, new instrument sent on 11/21/2023.

100693 (Juneau PD): 3/6 Blank Error on Subject Tests. 2 Blank Errors occurred on one individual; 1 Blank Error occurred on a second individual. See 100693 2022.06.28 Change In Status regarding Blank Errors at this agency – No further action taken.

100697 (Anchorage PD): 3/93 RFI on Subject Tests, 1/93 Blank Error on Subject Tests, 1/93 Ambient Failed on Subject Tests, 3/93 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. On 10/16/2023 the crime lab corresponded with APD regarding diagnostic failed status messages due to the breath tube temperature being too low (100697 2023.10.16 Change In Status - Amended). This status message has not recurred. – No further action taken.

100700 (UAF PD): 1/3 RFI on Subject Tests – No action taken.

Follow Up from Previous In Field Instrument Review

100367 (Seward PD): Instrument was being monitored due to an Internal Standard Error. No status messages occurred during 2023.09.06 – 2023.10.24. However, 2 Internal Standard Errors have occurred in November – Remove instrument from service, new instrument sent on 11/21/2023.

100380 (Ketchikan PD): Instrument was being monitored due to Tank Interference status messages. No status messages occurred during this cycle – Discontinue monitoring.

100690 (Clear AFB): Instrument was being monitored due to an Internal Standard status message on an individual tested 5 times. No breath tests occurred during this cycle – Continue monitoring.

100406 (Denali NP): Instrument was being monitored due to breath tube temperature being too low (Diagnostic Failed). Only 1 breath test occurred during this cycle which was labeled TEST – Discontinue monitoring due to no change for several cycles.

Agencies not included in this summary:

100378 (AST/Galena): Instrument last uploaded 10/24/2023, no VOC. VOC file was received after data collection occurred. Files were not assessed for this cycle.

100420 (Ft. Greely): Instrument doesn't upload. Files were received for previous cycles. 10/24/2023 VOC needed.

100424 (Eielson AFB): Instrument doesn't upload. Files were received for previous cycles. 10/24/2023 VOC needed.

100678 (Sand Point PD): Instrument doesn't upload, files needed for 10/24/2023 VOC.

Subject Test Data

Serial Number	Total Subject Tests	Date Range								Total Tests												
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes
		9/6/2023	10/24/2023	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
100342	10	2	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
100344	37	1	3%	0	0%	2	5%	2	5%	1	3%	1	3%	0	0%	0	0%	2	5%	0	0%	9
100346	19	0	0%	0	0%	2	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100351	41	4	10%	0	0%	2	5%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	7
100358	20	7	35%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7
100366	13	3	23%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100374	5	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100392	29	2	7%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100403	29	1	3%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100413	41	3	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100415	9	0	0%	0	0%	1	11%	2	22%	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100422	45	8	18%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	3	7%	0	0%	0	0%	12
100424	8	0	0%	0	0%	1	13%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100667	142	1	1%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	1	1%	0	0%	0	0%	3
100668	6	0	0%	0	0%	0	0%	0	0%	1	17%	1	17%	0	0%	0	0%	0	0%	0	0%	2
100669	45	4	9%	0	0%	0	0%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	5
100679	7	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100681	9	0	0%	0	0%	2	22%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100687	13	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6	46%	6
100693	6	0	0%	0	0%	0	0%	0	0%	3	50%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100697	93	3	3%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	1	1%	0	0%	3	3%	8
100700	3	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	773	42	5%	1	0%	11	1%	5	1%	10	1%	3	0%	0	0%	5	1%	2	0%	9	1%	88

The date range listed above represents the first and last dates of data generated from the DMHost report. The search range could be larger than the date range listed.

Subject Test Data

Serial Number	Total Subject Tests	User Abort	Detector Overflow	Barometer Error	Filter Wheel Error	Date Range		Total Tests			Samp Chamb Low	Breath Tube High	Static Analysis Error	Total Codes
						9/6/2023	10/24/2023	Total Messages	773	0.0%				
100255	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100342	10	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100343	10	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100344	37	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100345	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100346	19	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100347	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100348	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100349	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100350	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100351	41	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100352	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100353	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100354	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100355	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100356	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100357	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100358	20	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100359	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100360	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100361	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100362	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100363	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100364	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100365	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100366	13	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100367	9	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100368	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100369	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100370	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100371	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100372	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100373	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100374	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100375	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100376	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100377	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100378	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100379	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100380	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100381	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100382	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100384	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100385	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100386	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100387	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100388	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100389	32	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100390	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100391	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100392	29	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100395	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100396	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100397	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100398	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100399	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100400	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100402	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100403	29	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100404	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100405	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100406	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100410	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100411	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100412	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100413	41	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100414	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100415	9	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100416	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100417	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100418	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100420	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100421	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100422	45	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100423	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100424	8	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100665	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100666	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100667	142	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100668	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100669	45	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100670	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100671	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100672	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100673	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100674	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100675	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100676	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100677	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100678	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100679	7	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100680	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100681	9	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100682	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100683	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100684	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100685	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100686	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100687	13	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100688	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100689	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100690	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100691	8	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100692	17	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100693	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100694	19	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100695	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100696	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100697	93	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100698	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100699	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100700	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
Total	773	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0

The date range listed above represents the first and last dates of data generated from the DMHost report. The search range could be larger than the date range listed.

VOC Data

Serial Number	Total VOC Tests	RFI		Pump Error		Interference		Tank Interference		Date Range		Total Tests				Total Messages		Ambient Fail	Internal Standard Error	Diagnostic Failed	Total Codes	
										9/8/2023	10/24/2023	Blank Error	Standard Out of Range	Gas Flow Error	0	3.2%	3					
100405	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	2
100415	2	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	93	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	2	2%	3

The date range listed above represents the first and last dates of data generated from the DMHost report. The search range could be larger than the date range listed.

VOC Data

Table with columns: Serial Number, Total VOC Tests, User Abort, Detector Overflow, Barometer Error, Filter Wheel Error, Date Range (9/8/2023 - 10/24/2023), Suck Back Error, Total Tests (93), Total Messages (0), Undefined Error, Filter 1 Won't Zero, Samp Chamb Low, Breath Tube High, Static Analysis Error, Total Codes. The table contains 100 rows of data, each representing a specific instrument or test run, with most values being 0.

The date range listed above represents the first and last dates of data generated from the DMHost report. The search range could be larger than the date range listed.