

In Field Instrument Review
Date Range: 2022.04.12 – 2022.05.30
Review Completed on 2022.06.28 by Carlie Glaister

Status Messages and Action Taken

100255 (Clear AFB): 1/4 RFI on Subject Tests, 3/4 Filter Wheel Error on Subject Tests. Instrument removed from service due to Filter Wheel Errors on 5/12/2022 (100255 2022.05.12 Change In Status).

100344 (Juneau PD): 4/26 RFI on Subject Tests – No action taken.

100346 (Kenai PD): 1/23 Pump Error on Subject Tests (followed by a completed test), 1/23 Ambient Fail on Subject Tests (followed by a completed test) – No action taken.

100351 (Fairbanks PD): 1/38 RFI on Subject Tests – No action taken.

100354 (Haines PD): 1/10 RFI on Subject Tests, 1/10 Pump Error on Subject Tests followed by a completed test – No action taken.

100355 (Homer PD): 2/17 RFI on Subject Tests, 1/17 Blank Error on Subject Tests followed by a completed test – No action taken.

100358 (AST/Mat-Su West): 1/9 Standard Out of Range on Subject Tests, completed tests occurred after status message – No action taken.

100364 (Anchorage Airport PD): 1/29 Blank Error on Subject Tests, 6/29 Diagnostic Failed on Subject Tests due to breath tube temperature too low. All status messages occurred on the same individual on the same date. It was determined that these status messages were isolated to 1 event and were not recurring. An email was sent to the Breath Test Supervisor notifying him of this occurrence and explaining why these status messages likely occurred (100364 2022.06.20 Change In Status) – No further action taken.

100367 (Seward PD): 1/10 RFI on Subject Tests, 1/10 Blank Error on Subject Tests followed by a completed test – No action taken.

100373 (Anchorage Police Department): 1/156 Blank Error on Subject Tests, 2/156 Standard Out of Range on Subject Tests. Standard Out of Range status messages occurred on the same individual, completed tests occurred after these status messages – No action taken.

100378 (Palmer PD): 13/49 RFI on Subject Tests. 5 RFI status messages occurred on the same individual on the same date. Due to the high prevalence of RFI status messages without a notable source, the instrument will be replaced (100378 2022.06.24 Change In Status) – Recommend replacement.

100385 (AST/Fairbanks): 3/36 Subject Interference on Subject Tests all occurring on the same individual – No action taken.

100391 (AST/Willow): 1/1 Blank Error on VOC, followed by a completed VOC on 06/14/2022 – No action taken.

100403 (Wasilla PD): 2/32 Subject Interference on Subject Tests all occurring on the same individual followed by a completed test – No action taken.

100404 (Saint Paul PD): 1/3 Tank Interference on Subject Tests, 1/4 Tank Interference on VOC. The Tank Interference on the VOC occurred after the instrument was put into service (100404 2022.04.12 Change In Status), and the Tank Interference on the Subject Test was labeled "TEST" and occurred on the same day after the VOC status message. This status message did not recur during this timeframe – No action taken.

100406 (Denali NP): 2/5 Gas Flow Error on VOCs. Following direction from the crime lab, Breath Test Supervisor observed that the check valve was not secured to the wall, and the tube from the external standard was unattached from the check valve. These were corrected by the Breath Test Supervisor and documented in 100406 2022.04.17 Change In Status. This status message did not occur after this troubleshooting during this timeframe – No action taken.

100422 (JBER): 6/41 RFI on Subject Tests – No action taken.

100669 (AST/Soldotna): 1/33 RFI on Subject Tests – No action taken.

100683 (AST/Glennallen): 1/12 RFI on Subject Tests, 1/12 Tank Interference on Subject Tests (followed by a completed test), 3/12 Blank Error on Subject Tests (followed by completed tests) – Recommend monitoring.

100689 (Anchorage Police Department): 2/13 Diagnostic Failed on Subject Tests on the same individual due to breath tube temperature being too low, completed tests occurred after this status message – No action taken.

100693 (Juneau PD): 3/5 Blank Error on Subject Tests. 2 Blank Errors occurred on the same individual, and 1 occurred on a second individual followed by a completed test. Correspondence occurring with the Breath Test Supervisor the ensure tubing is properly connected, and discussed the environment (100693 2022.06.28 Change In Status) – No further action taken.

100697 (Anchorage Police Department): 5/153 RFI on Subject Tests, 3/153 Pump Error on Subject Tests (completed tests occurred after status messages), 3/153 Blank Error on Subject tests (followed by completed tests) – No action taken

100699 (Valdez PD): 1/4 Blank Error on Subject Tests, followed by a completed test – No action taken.

Follow Up from Previous In Field Instrument Review

100345 (Valdez PD): Instrument replacement was sent on 05/06/2022, a change in instrument status form for instrument being removed from service has not been received at this time.

100402 (AST/Tok): Instrument was being monitored due to Standard Out of Range status messages. It was previously observed that the external standard was trending low on subject tests with a high-pressure tank. No Standard Out of Range Errors observed. – Discontinue monitoring.

Agencies not included in this summary:

100376 (AST/St. Mary's): Instrument not uploading, a copy of the VOCs was provided (2 completed VOCs on 05/24/2022), no datafiles were received.

100377 (AST/St. Mary's): Instrument not uploading, a copy of the VOCs was provided (2 incomplete VOCs on 05/24/2022), no datafiles were received. This instrument was removed from service (100377 2022.05.24 Change In Status). Files will be uploaded at the laboratory.

Subject Test Data

Serial Number	Total Subject Tests	Date Range		Total Tests		Total Messages		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes
		4/12/2022	5/30/2022	828	74	8.9%														
100255	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100344	26	4	15%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100346	23	0	0%	1	4%	0	0%	0	0%	0	0%	0	0%	1	4%	0	0%	0	0%	2
100351	38	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100354	10	1	10%	1	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100355	17	2	12%	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	3
100358	9	0	0%	0	0%	0	0%	0	0%	0	0%	1	11%	0	0%	0	0%	0	0%	1
100364	29	0	0%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	6	21%	7
100367	10	1	10%	0	0%	0	0%	0	0%	1	10%	0	0%	0	0%	0	0%	0	0%	2
100373	156	0	0%	0	0%	0	0%	0	0%	1	1%	2	1%	0	0%	0	0%	0	0%	3
100378	49	13	27%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	13
100385	36	0	0%	0	0%	3	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100403	32	0	0%	0	0%	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100404	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100422	41	6	15%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6
100669	33	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100683	12	1	8%	0	0%	0	0%	1	8%	3	25%	0	0%	0	0%	0	0%	0	0%	5
100689	13	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	15%	2
100693	5	0	0%	0	0%	0	0%	0	0%	3	60%	0	0%	0	0%	0	0%	0	0%	3
100697	153	5	3%	3	2%	0	0%	0	0%	3	2%	0	0%	0	0%	0	0%	0	0%	11
100699	4	0	0%	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	1
Total	828	36	4%	5	1%	5	1%	2	0%	14	2%	3	0%	0	0%	1	0%	0	0%	74

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		Total Messages		Samp Chamb Low	Breath Tube High	Static Analysis Error	Total Codes	
										4/12/2022	5/30/2022	828	0.4%	3	0.4%					
100255	4	0	0%	0	0%	0	0%	3	75%	0	0%	0	0%	0	0%	0	0%	0	0%	3
Total	828	0	0%	0	0%	0	0%	3	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3

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VOC Data

Serial Number	Total VOC Tests	RHI		Pump Error		Interference		Tank Interference		Date Range		Total Tests		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes		
										4/12/2022	5/30/2022	Blank Error	Standard Out of Range								Gas Flow Error	Total Messages
100391	1	0	0%	0	0%	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100404	4	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100406	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	2
Total	97	0	0%	0	0%	0	0%	1	1%	1	1%	0	0%	2	2%	0	0%	0	0%	0	0%	4

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VOC Data

Serial Number	Total VOC 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
						4/12/2022	5/30/2022	Undeclared	97	0.0%				
100255	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100342	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100343	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100344	2	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	1	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	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100349	1	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	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100352	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100353	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100354	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100355	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100356	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100357	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100358	1	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	1	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	1	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	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100367	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100368	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100369	1	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	1	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	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100374	2	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	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100379	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100380	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100381	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100382	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100384	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100385	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100386	2	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	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100389	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100390	1	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	0	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	1	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	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100404	4	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	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100410	2	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	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100414	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100415	1	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	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100418	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100420	1	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	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100423	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100424	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100665	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100666	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100667	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100668	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100669	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100670	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100671	1	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	1	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	4	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	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100680	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100681	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100682	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100683	1	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	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100687	0	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	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100692	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100693	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100694	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100695	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100696	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100697	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100698	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100699	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100700	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
Total	97	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0

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