

**In Field Instrument Review for 04/11/2016 VOC Day**

**Date span (02/21/2016 – 04/11/2016)**

**Prepared by Colleen O'Bryant**

100344 – AST/Girdwood – Instrument removed from service 3/21/2016

- RFI (3) – 3/5 tests
- Diagnostic Failed (2) – 2/5 tests

100345 – AST/Soldotna – No action taken

- RFI (6), Pump Error (1) – 28 tests total

100361 – Unalaska DPS – No action taken

- RFI (1), Interference (2) – 12 tests total

100364 – APD – No action taken

- Pump Error (3), Tank Interference (1), Blank Error (1) – 108 tests total

100366 – Kenai PD – No action taken

- Interference (1), Standard out of Range (1), Diagnostic Failed (1) – 13 tests total

100368 – AST/Willow – No action taken

- Interference (2) – 9 tests total – both interference on the same subject.

100370 – Homer PD – No action taken

- RFI (1) – 9 tests total

100387 – Fairbanks PD – no action taken

- RFI (2) – 28 tests total

100391- Wrangell PD – No action taken

- Interference (5) – 9 tests total – all 5 tests were performed by the same officer using the subject name test, test.

100395 – APD – No action taken

- RFI(3), Tank Interference (1), Blank Error (1) – 114 tests total

100398 – Seward PD – No action taken

- RFI (2) – 15 tests total

100400 – Palmer PD – No action taken

- RFI(1), Pump Error (1), Gas Flow Error (1) – 45 tests total

100404 – APD – No action taken

- Pump Error (1) – 53 test total

100417 – Juneau PD – No action taken

- Suck Back Error (1) – 7 tests total

100421 – JBER – Instrument removed from service 03/31/2016

- RFI (5), Pump Error (1), Blank Error (1) – 24 tests total

100665 – AST/St. Mary's - Tank expires 05/01/2016 and will be switched out

- Standard out of Range (1) – 3 tests total

100671 – AST/Fairbanks – No action taken

- RFI (1) – 37 tests total

100673 – North Slope Borough PD – Remove instrument out of service

- Tank Interference (1), Standard out of Range (3), Internal Standard Error (2), Static Analysis Error (1) – 17 tests total

100679 – Haines PD – No action taken

- RFI (1) – 3 tests total

100687 – JBER Loaner – No action taken

- RFI (1), Tank Interference (2) – 10 tests total

100689 – Kotzebue PD – Tank expires 05/01/2016 and will be switched out

- Standard out of Range (1) – 5 tests total

100695 – Wasilla PD – No action taken

- RFI(2) – 37 tests total

100697 – AST/Matsu West – Instrument removed from service 04/05/2016

- RFI (12) – 14 tests total – two subjects tested repeatedly, D. Cook tested himself twice

100700 – Soldotna PD – Tank expires on 05/01/2016 and will be switched out

- Tank Interference (2) – 12 tests total

Instruments not included in this review are 100369 (AST/Talkeetna), 100677 (Bethel PD) and 100682 (Kake PD). Bethel PD and Kake were removed from service in April and didn't have modem connectivity. AST/Talkeetna was placed in service in April but hasn't set up modem connectivity at new post.

Contacted Bruce Smith (Wrangell PD) regarding the number of interference detected tests performed on his instrument in test mode. All tests were done on the same officer testing herself. Filter 2 triggered the interference. Other officers were tested intermittently on the same instrument and same day and did not register interference. Results were localized to that officer.



Serial Number	Total Subject Tests	RFI	Pump Error	Interference	Tank Interference	Date Range		Total Tests		775		10.3%		Ambient Fail	Internal Standard Error	Diagnostic Failed	
						2/21/2016	4/11/2016	Blank Error	Standard Out of Range	Gas Flow Error							
100342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100343	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100344	5	3	60%	0	0	0	0	0	0	0	0	0	0	0	0	40%	
100345	28	6	21%	1	4%	0	0	0	0	0	0	0	0	0	0	0%	
100346	3	0	0%	0	0%	0	0	0	0	0	0	0	0	0	0	0%	
100347	2	0	0%	0	0%	0	0	0	0	0	0	0	0	0	0	0%	
100348	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100349	11	0	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	0	0	
100351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100352	0	0	0	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	0	0	
100354	4	0	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	0	0	
100356	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100359	3	0	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	0	0	
100361	12	1	8%	0	0%	2	17%	0	0	0	0	0	0	0	0	0%	
100362	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100363	2	0	0%	0	0%	0	0%	0	0	0	0	0	0	0	0	0%	
100364	108	0	0%	3	3%	0	0%	1	1%	1	1%	0	0%	0	0%	0%	
100365	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0%	
100366	13	0	0%	0	0%	1	8%	0	0%	1	8%	0	0%	0	0%	0%	
100367	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100368	9	0	0%	0	0%	2	22%	0	0%	0	0%	0	0%	0	0%	0%	
100369	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100370	11	1	9%	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	0	0	
100372	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100373	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100374	0	0	0	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	0	0	
100376	1	0	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	0	0	
100378	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100381	3	0	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	0	0	
100383	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100384	29	0	0%	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	0	0%	
100386	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100387	28	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100388	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100389	3	0	0%	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	0	0%	
100391	9	0	0%	0	0%	5	56%	0	0%	0	0%	0	0%	0	0	0%	
100392	17	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100393	114	3	3%	0	0%	1	1%	1	1%	0	0%	0	0%	0	0	0%	
100394	1	0	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	0	0%	
100396	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100397	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100398	15	2	13%	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	0	0	
100400	43	1	2%	1	2%	0	0%	0	0%	1	2%	0	0%	0	0	0%	
100401	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100404	53	0	0%	1	2%	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	0	0	
100406	6	0	0%	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	0	0	
100411	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100412	0	0	0	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	0	0	
100414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100415	0	0	0	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	0	0	
100417	7	0	0%	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	0	0	
100420	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100421	24	5	21%	1	4%	0	0%	1	4%	0	0%	0	0%	0	0	0%	
100422	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100423	14	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100424	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100685	3	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0	0%	
100686	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100687	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100688	5	0	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	0	0%	
100690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100691	37	1	3%	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	0	0	
100693	17	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	2	12%	0%	
100694	1	0	0%	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	0	0	
100696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100697	14	12	86%	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	0	0%	
100699	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0	0%	
100700	12	0	0%	0	0%	2	17%	0	0%	0	0%	0	0%	0	0	0%	
Total	775	41	5%	7	1%	10	1%	7	1%	3	0%	6	1%	1	0%	3	0%



