

**In field Instrument Review for 5/30/2019 to 7/18/2019**

**Prepared by Brandi Barnett**

100255 Clear AFB: 2/4 RFI- No action taken.

100348 North Pole PD: 3/21 Standard Out of Range, 1/21 tank interference, 2/21 RFI- Tank change on 7/4/2019 and readings look better. Also possibly an environmental issue- Monitor instrument.

100352 Anchorage Airport PD: 1/9 Pump Error- No action taken.

100354 Bristol Bay Borough PD: 4/10 Standard Out of Range- Tank change on 7/14/2019- no action taken.

100355 Seward PD: 1/7 Standard Out of Range, 1/7 Internal Standard Error- Instrument removed from service 6/13/2019.

100356 Skagway PD: 1/5 Tank Interference- No action taken.

100357 Dillingham PD: 1/9 Gas Flow Error- No action taken.

100360 Sand Point PD: 2/4 Standard Out of Range- Tank reading 0.005 low most of the time new tank was shipped on 7/26/2019.

100361 Bethel PD: 4/33 Standard Out of Range, 1/33 Internal Standard Error- Tank changed on 7/26/2019- Monitor Instrument.

100366 AST Nenana: 1/5 RFI- No action taken.

100370 Ketchikan PD: 4/17 Interference- Two separate days, same subject- No action taken.

100371 AST Ketchikan: 2/5 Interference- Same subject- No action taken.

100374 Anchorage Jail: 1/111 Pump Error, 2/111 Tank Interference- Both tank interference due to high filter 3 readings (0.0325, 0.0299) other tests look fine- Monitor Instrument.

100376 Hooper Bay PD: Failed VOC with Filter Wheel Error- Removed from service.

100378 AST Fairbanks: 2/34 RFI- No action taken.

100379 Wasilla PD: 1/37 RFI, 1/37 Pump Error, 2/37 Interference- Same subject for interference- No action taken.

100382 UAF PD: 1/7 RFI- No action taken.

100388 AST Cantwell: 1/2 RFI- No action taken.

100391 AST Soldotna: 1/15 Internal Standard Error- Monitor Instrument.

100397 NSBPD: 1/8 Blank Error- No action taken.

100403 Metlakatla PD: 2/5 RFI- No action taken.

100413 Homer PD: 1/12 RFI- No action taken.

100414 AST Delta: 1/5 Blank Error, 1/5 Gas Flow Error: No action taken.

100416 Fairbanks PD: 7/42 RFI- No action taken.

100418 Kenai PD: 4/17 RFI- No action taken.

100668 Palmer PD: 5/37 RFI, 2/37 Blank Error- No action taken.

100674 Juneau PD: 3/5 RFI- No action taken.

100678 AST Matsu West: 4/23 RFI, 3/23 Tank Interference- No action taken.

100683 AST Glennallen: 1/7 RFI- No action taken.

100690 Unalaska PD: 1/14 RFI, 1/14 Blank Error, 1/14 Internal Standard Error- Monitoring from last IFIR for Internal Standard Error- Recommend replacement.

100693 Seward PD: 2/7 RFI, 1/7 Blank Error, 1/7 Standard Out of Range- Blank error and Standard Out of Range same subject, other tests look fine- No action taken.

100694 Anchorage PD Jail: 1/107 Interference, 1/107 Blank Error- No action taken.

100695 JBER: 1/12 Interference, 1/12 Blank Error- No action taken.

100700 Wrangell PD: 1/9 Blank Error- No action taken

#### Follow-up from prior IFIR

100357 Dillingham PD: No further Internal Standard Errors- No action taken.

100418 Kenai PD: No more breath hose heater issues- No action taken.

100690 Unalaska PD: Another internal standard error- Recommend replacement.

This review does not include data from the following instruments: 100424 Eielson AFB and 100375 Denali NP.

Serial Number	Total Subject Tests	RFI	Pump Error	Interference	Tank Interference	Date Range		Total Tests		Blank Error	Standard Out of Range	Gas Flow Error	Ambient Fail	Internal Standard Error	Diagnostic Failed
						5/30/2019	7/18/2019	Total Messages	821 90 11.0%						
100255	4	2	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100342	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100343	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100344	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100345	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100346	22	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100347	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100348	21	2	10%	0	0%	1	5%	0	0%	3	14%	0	0%	0	0%
100349	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100350	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100351	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100352	9	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%
100353	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100354	10	0	0%	0	0%	0	0%	0	0%	4	40%	0	0%	0	0%
100355	7	0	0%	0	0%	0	0%	0	0%	1	14%	0	0%	1	14%
100356	5	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%
100357	9	0	0%	0	0%	0	0%	0	0%	0	0%	1	11%	0	0%
100358	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100359	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100360	4	0	0%	0	0%	0	0%	0	0%	2	50%	0	0%	0	0%
100361	33	0	0%	0	0%	0	0%	0	0%	4	12%	0	0%	1	3%
100362	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100363	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100364	7	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100365	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100366	5	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100367	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100368	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100369	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100370	17	0	0%	0	0%	4	24%	0	0%	0	0%	0	0%	0	0%
100371	5	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	0	0%
100372	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100373	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100374	111	0	0%	1	1%	0	0%	2	2%	0	0%	0	0%	0	0%
100375	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100376	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100377	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100378	34	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100379	37	1	3%	1	3%	2	5%	0	0%	0	0%	0	0%	0	0%
100380	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100381	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100382	7	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100384	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100385	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100386	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100387	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100388	2	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100389	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100390	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100391	15	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	7%
100392	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100395	9	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100396	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100397	8	0	0%	0	0%	0	0%	1	13%	0	0%	0	0%	0	0%
100398	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100399	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100400	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100402	14	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100403	5	2	40%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100404	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100405	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100406	32	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100410	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100411	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100412	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100413	12	1	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100414	5	0	0%	0	0%	0	0%	1	20%	0	0%	1	20%	0	0%
100415	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100416	42	7	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100417	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100418	17	4	24%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100420	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100421	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100422	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100423	18	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100424	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100665	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100666	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100667	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100668	37	5	14%	0	0%	0	0%	2	5%	0	0%	0	0%	0	0%
100669	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100670	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100671	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100672	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100673	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100674	5	3	60%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100675	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100676	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100677	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100678	23	4	17%	0	0%	0	0%	3	13%	0	0%	0	0%	0	0%
100679	5	0	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	0%
100681	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100682	7	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100683	7	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100684	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100685	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100686	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100687	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100688	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100689	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100690	14	1	7%	0	0%	0	0%	1	7%	1	7%	0	0%	0	0%
100691	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100692	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100693	7	2	29%	0	0%	0	0%	1	14%	1	14%	0	0%	0	0%
100694	107	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%
100695	12	0	0%	0	0%	1	8%	0	0%	0	0%	0	0%	0	0%
100696	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
100697	0	0	#DIV/0!												

