

↓ ~~only need to test 1/day~~ ~~or after~~ p1 of 5

2009-20- Underway Loop System Check

UTC Date 2009	UTC Time	Pump PSI	Pump Output	Ship GPS	SBE48 Hull Temp	GTD Optode	S:\	*FLOW RATES vol/sec, 2 samples each						Notes
								TSG 1	TSG2	Cooler1	Cooler2	CDOM 1	CDOM 2	
21/09	00:10	19.2	23.0	✓	✓	✓	✓	n/a	n/a	n/a	n/a	n/a	n/a	No flow rates yet.
22/09	03:58	18.8	22.7	✓	✓	✓	✓	3.64s	3.48s	7.84s	5.57s	19.71s	19.3s	Last S drive save 04:04 UTC
22/09	04:55	18.98	22.9	✓	✓	✓	✓	3.36s	3.61s	6.94s	5.96s	19.17s	18.9s	S drive 501am
22/09	06:37	19.00	22.9	✓	✓	✓	✓	5	5	~5s	~5s	19s	19s	
22/09	07:54	18.99	22.8	✓	✓	✓	✓	5	5	~7s	~7s	21s	20s	
22/09	08:54	18.99	22.9	✓	✓	✓	✓	5	5	9	9	20	20	
22/09	09:43	19.16	23.0	✓	✓	✓	✓	5	5	9	9	19	19	
22/09	11:33	19.00	23.1	✓	✓	✓	✓	5	5	9	9	20	20	
22/09	12:47	19.05	23.2	✓	✓	✓	✓	5	5	7	7	20	19	
22/09	14:00	18.95	23.5	✓	✓	✓	✓	5	5	8	9	19	19	
22/09	15:00	19.50	23.7	✓	✓	✓	✓	5	5	7	7	19	18	
22/09	16:04	19.00	23.3	✓	✓	✓	✓	4	4	7	7	19	20	
22/09	17:32	19.00	23.1	✓	✓	✓	✓	3	4	5	5	19	19	CDOM Full Scale Tot
22/09	21:17	8.42	35.0	✓	✓	✓	✓	3.68	3.61	6.34	5.84	20.9	19.9	Low PSI
22/09	23:05	18.23	15.5	✓	✓	✓	✓	4.0	4.0	7.0	7.0	20	20	
23/09	01:14	19.00	22.6	✓	✓	✓	✓							low flow restart see notebook
23/09	03:58	18.9	23.4	✓	✓	✓	✓							
23/09	05:00	18.98	23.1	✓	✓	✓	✓	3.56	3.30	6.5	7.2	19.9	20.14	
23/09	05:53	18.99	23.1	✓	✓	✓	✓	5	5	9	8	19	20	
23/09	06:56													Pump stop - call engineer
23/09	07:56	19.00	23.5	✓	✓	✓	✓	5	5	8	9	19	20	

Notes:

- UTC Date and Time from Ship underway info on screen
- Pump PSI & Output – read from meter on underway system lab wall – check to see readings appear normal
- Ship GPS – check readings are continuously capturing
- SBE48 – check readings continuously capturing

- TSG – flowing & flow rate
- GTD Optode – check to ensure data continuous capture
- S:\ - Check S drive for seven recent files, same date & time, with file sizes indicating content in file. (eg: not 0 or <5)
- Check flow rates for H₂O hoses: TSG, Cooler & CDOM

* use labelled .75l measure to aer vig.

← entered electronically to

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vol $\approx$ 700 mL = mL/sec p2 of 5
sec

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								TSG 1	TSG2	Cooler1	Cooler2	CDOM 1	CDOM 2	
23/09	08:58	18.97	22.38	✓	✓	✓	✓	5	5	8	9	44	42	
23/09	09:58	18.99	23.0	✓	✓	✓	✓	4	3	7	7	20	20	pump turned back on after cleaning slush
24/09	0300	19.00	23.5	✓	✓	✓	✓	5	5	9	6	18	18	
24/09	0340	7.53	35.0	✓	✓	✓	✓							
"	0342	20.44	23.1	✓	low PSI is associated									As PSI goes back to normal, temp goes back to normal
"	05:14	18.97	23.5	✓	✓	✓	✓	7	6.5	11	12	26	27	
"	06:08	19.11	24.9	✓	✓	✓	✓	5	5	8	8	21	21	
"	07:02	19.01	23.5	✓	✓	✓	✓	5	5	8	8	21	21	
"	07:59	19.02	23.5	✓	✓	✓	✓	5	5	8	8	21	20	
24/09	17:28	19.00	23.4	✓	✓	✓	✓	5	5	9	9	20	20	
25/09	5:09	18.9	23.5	✓	✓	✓	✓	4	4	6	7	17	18	
25/09	5:59	19.0	23.4	✓	✓	✓	✓	5	5	7	6	21	20	
25/09	06:54	18.99	23.4	✓	✓	✓	✓	5	5	6	7	21	20	
25/09	07:56	18.90	23.3	✓	✓	✓	✓	5	5	8	8	20	20	
25/09	08:57	19.12	23.4	✓	✓	✓	✓	5	5	8	7	21	20	
25/09	10:09	19.14	23.0	✓	✓	✓	✓	5	5	8	7	20	20	
25/09	11:12	19.02	23.0	✓	✓	✓	✓	5	5	8	9	20	20	
25/09	11:57	19.03	23.0	✓	✓	✓	✓	5	5	9	10	19	20	
25/09	13:05	18.90	23.4	✓	✓	✓	✓	5	5	9	9	20	21	
29/09	07:56	19.02	21.0	✓	✓	✓	✓	4	4	12	12	20	21	
29/09	09:00	19.04	21.0	✓	✓	✓	✓	4	5	12	12	20	20	

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								TSG 1	TSG2	Cooler1	Cooler2	CDOM 1	CDOM 2	
Oct 1	07:56	19.00	21.0	✓	✓	✓	✓	5	5	11	12	21	21	
Oct 1	08:57	19.00	20.9	✓	✓	✓	✓	5	5	12	13	21	21	
Oct 1	13:58	19.00	20.6	✓	✓	✓	✓	5	5	12	11	21	21	
Oct 2	07:08	19.00	20.9	✓	✓	✓	✓	5	5	12	12	21	21	
Oct 2	07:57	19.00	20.9	✓	✓	✓	✓	5	5	12	12	21	21	
Oct 2	08:55	19.08	21.0	✓	✓	✓	✓	✓	✓	13	13	21	21	
Oct 3	13:04	7.09	12.9	✓	✓	✓	✓	6	6	24	25	34	34	See log book re-log Oct 15.04
Oct 3	14:00	7.05	12.9	✓	✓	✓	✓	6	6	24	24	34	34	
Oct 4	04:47	7.00	12.9	✓	✓	✓	✓	5	5	22	22	35	35	
Oct 4	06:59	7.61	12.9	✓	✓	✓	✓	6	6	24	24	34	34	
Oct 4	07:56	7.62	12.9	✓	✓	✓	✓	5	5	24	24	34	34	
Oct 4	09:00	7.024	12.9	✓	✓	✓	✓	5	5	24	24	34	34	
Oct 4	09:50	7.63	12.9	✓	✓	✓	✓	6	6	24	24	34	34	
Oct 4	11:07	14.96	19.0	✓	✓	✓	✓	5	5	15	15	24	24	
Oct 4	11:54	14.63	19.0	✓	✓	✓	✓	5	5	15	15	24	24	
Oct 4	13:06	15.13	19.0	✓	✓	✓	✓	5	5	13	15	23	23	
Oct 4	14:10	14.99	19.0	✓	✓	✓	✓	5	5	15	15	23	23	
Oct 5	12:45	13.0	19.0	✓	✓	✓	✓	5	5	17	16	15	14	
Oct 5	16:12	13.0	19.0	✓	✓	✓	✓	5	5	16	16	15	15	
Oct 5	17:04	13.32	19.0	✓	✓	✓	✓	5	5	14	16	14	14	
Oct 6	02:32	13.39	19.0	✓	✓	✓	✓	3.7s	4.12s	14.35s	14.98s	14.13s	13.96s	

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06/oct	06:24	13.31	19.0	✓	✓	✓	✓	3	3	15	15	14.3	14.5	
06/oct	08:02	13.27	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
06/oct	09:01	13.18	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
06/oct	10:01	13.39	19.0	✓	✓	✓	✓	5	5	18	18	15	15	
06/oct	11:06	12.99	19.0	✓	✓	✓	✓	5	5	18	18	14	14	
06/oct	12:06	5.87	19.0	✓	✓	✓	✓	6	6	23	23	19	19	
07/oct	07:57	12.53	19.0	✓	✓	✓	✓	5	5	14	13	16	15	
07/oct	09:07	12.81	19.0	✓	✓	✓	✓	5	5	15	15	15	15	
07/10	10:00	12.81	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
07/10	11:11	12.86	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
08/10	07:57	12.89	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
08/10	09:04	12.69	19.0	✓	✓	✓	✓	5	5	15	15	14	15	
08/10	10:03	12.75	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
09/10	14:06	13.34	19.0	✓	✓	✓	✓	5	5	15	15	14	14	
09/10	16:12	13.30	19.0	✓	✓	✓	✓	5	5	16	16	14	14	
09/10	17:00	13.38	19.0	✓	✓	✓	✓	5	5	13	15	14	14	
10/10	07:04	12.53	19.0	✓	✓	✓	✓	5	5	19	19	15	15	
10/10	08:08	12.47	19.0	✓	✓	✓	✓	5	5	18	18	15	15	
10/10	15:47	12.70	19.0	✓	✓	✓	✓	5	5	14	14	15	15	
10/10	09:14	11.83	19.0	✓	✓	✓	✓	5	4	15	15	14	14	
11/10	10:08	10.60	19.0	✓	✓	✓	✓	5	4	20	20	14	14	

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↑ entered electronically (W)

[illegible]