

Discharge Measurement Summary

Site name ECanal7
Site number 02
Operator(s) VAllen
File name EastCanal_20230621_1148.ft
Comment

Start time	6/21/2023 11:48 AM	Sensor type	Top Setting
End time	6/21/2023 12:57 PM	Handheld serial number	FT2H2219029
Start location latitude	42.809	Probe serial number	FT2P2219014
Start location longitude	-118.869	Probe firmware	1.30
Calculations engine	FlowTracker2	Handheld software	1.7

# Stations	Avg interval (s)	Total discharge (m³/s)
25	40	1.2854

Total width (m)	Total area (m²)	Wetted Perimeter (m)
3.719	1.94948	4.510

Mean SNR (dB)	Mean depth (m)	Mean velocity (m/s)
42	0.524	0.6594

Mean temp (°C)	Max depth (m)	Max velocity (m/s)
10.321	0.607	0.9386

Discharge Uncertainty		
Category	ISO	IVE
Accuracy	1.0%	1.0%
Depth	0.1%	1.2%
Velocity	0.2%	1.1%
Width	0.1%	0.1%
Method	0.9%	
# Stations	2.0%	
Overall	2.4%	1.9%

Discharge equation	Mid Section
Discharge uncertainty	IVE
Discharge reference	Rated

Data Collection Settings	
Salinity	0.000 PSS-78
Temperature	-
Sound speed	-
Mounting correction	0.000 %

Summary overview

No changes were made to this file
Quality control warnings



Discharge Measurement Summary

Site name ECanal7
Site number 02
Operator(s) VAllen
File name EastCanal_20230621_1148.ft
Comment

Station Warning Settings

Station discharge OK

Station discharge < 5.00%

Station discharge caution

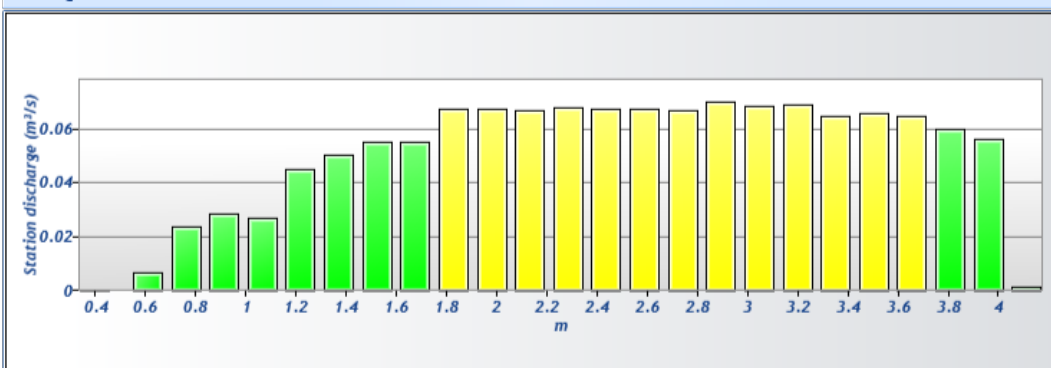
5.00% >= Station discharge < 10.00%

Station discharge warning

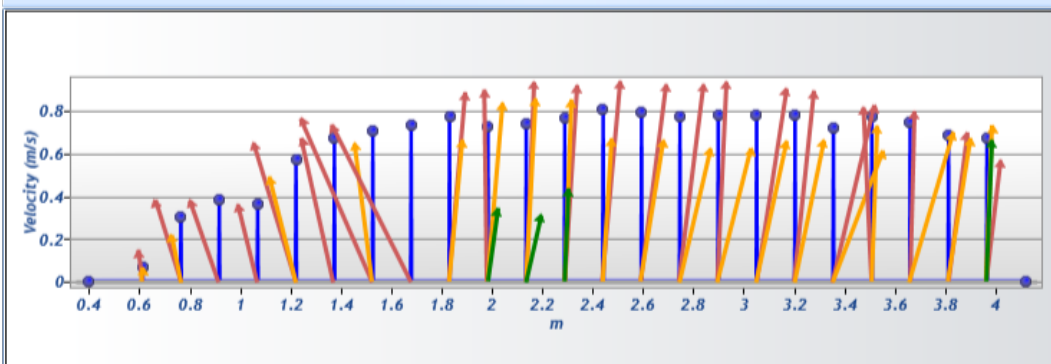
Station discharge >= 10.00%



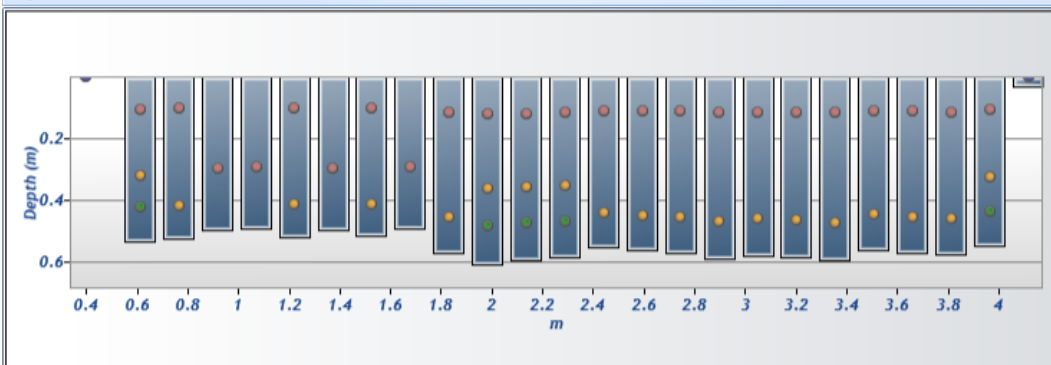
Discharge chart

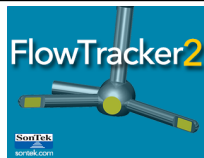


Velocity chart



Depth chart



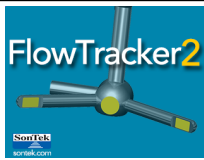


Discharge Measurement Summary

Site name ECanal7
Site number 02
Operator(s) VAllen
File name EastCanal_20230621_1148.ft
Comment

Measurement results

St#	Time	Location (m)	Method	Depth (m)	%Depth	Measured Depth (m)	Samples	Velocity (m/s)	Correction	Mean Velocity (m/s)	Area (m ²)	Flow (m ³ /s)	%Q	
0	11:48 AM	0.396	None	0.000	0.0000	0.000	0	0.0000	1.0000	0.0697	0.00000	0.0000	0.00	✓
1	11:49 AM	0.610	0.2/0.6/0.8	0.530	0.2000	0.106	80	0.1481	1.0000	0.0697	0.09699	0.0068	0.53	✓
1	11:49 AM	0.610	0.2/0.6/0.8	0.530	0.6000	0.318	80	0.0654	1.0000	0.0697	0.09699	0.0068	0.53	✓
1	11:49 AM	0.610	0.2/0.6/0.8	0.530	0.8000	0.424	80	-0.0001	1.0000	0.0697	0.09699	0.0068	0.53	✓
2	11:53 AM	0.762	0.2/0.8	0.521	0.2000	0.104	80	0.3856	1.0000	0.3039	0.07943	0.0241	1.88	✓
2	11:53 AM	0.762	0.2/0.8	0.521	0.8000	0.417	80	0.2221	1.0000	0.3039	0.07943	0.0241	1.88	✓
3	11:55 AM	0.914	0.6	0.494	0.6000	0.296	80	0.3821	1.0000	0.3821	0.07525	0.0288	2.24	✓
4	11:57 AM	1.067	0.6	0.491	0.6000	0.294	80	0.3647	1.0000	0.3647	0.07479	0.0273	2.12	✓
5	11:58 AM	1.219	0.2/0.8	0.518	0.2000	0.104	80	0.6485	1.0000	0.5707	0.07897	0.0451	3.51	✓
5	11:58 AM	1.219	0.2/0.8	0.518	0.8000	0.415	80	0.4929	1.0000	0.5707	0.07897	0.0451	3.51	✓
6	12:01 PM	1.372	0.6	0.494	0.6000	0.296	80	0.6725	1.0000	0.6725	0.07525	0.0506	3.94	✓
7	12:03 PM	1.524	0.2/0.8	0.515	0.2000	0.103	80	0.7641	1.0000	0.7055	0.07850	0.0554	4.31	✓
7	12:03 PM	1.524	0.2/0.8	0.515	0.8000	0.412	80	0.6469	1.0000	0.7055	0.07850	0.0554	4.31	✓
8	12:06 PM	1.676	0.6	0.491	0.6000	0.294	80	0.7351	1.0000	0.7351	0.07479	0.0550	4.28	✓
9	12:08 PM	1.829	0.2/0.8	0.570	0.2000	0.114	80	0.8871	1.0000	0.7757	0.08686	0.0674	5.24	✓
9	12:08 PM	1.829	0.2/0.8	0.570	0.8000	0.456	80	0.6644	1.0000	0.7757	0.08686	0.0674	5.24	✓
10	12:11 PM	1.981	0.2/0.6/0.8	0.607	0.2000	0.121	80	0.8985	1.0000	0.7285	0.09244	0.0673	5.24	✓
10	12:11 PM	1.981	0.2/0.6/0.8	0.607	0.6000	0.364	80	0.8362	1.0000	0.7285	0.09244	0.0673	5.24	✓
10	12:11 PM	1.981	0.2/0.6/0.8	0.607	0.8000	0.485	80	0.3431	1.0000	0.7285	0.09244	0.0673	5.24	✓
11	12:17 PM	2.134	0.2/0.6/0.8	0.594	0.2000	0.119	80	0.9349	1.0000	0.7404	0.09058	0.0671	5.22	✓
11	12:17 PM	2.134	0.2/0.6/0.8	0.594	0.6000	0.357	80	0.8566	1.0000	0.7404	0.09058	0.0671	5.22	✓
11	12:17 PM	2.134	0.2/0.6/0.8	0.594	0.8000	0.475	80	0.3135	1.0000	0.7404	0.09058	0.0671	5.22	✓
12	12:21 PM	2.286	0.2/0.6/0.8	0.585	0.2000	0.117	80	0.9200	1.0000	0.7652	0.08919	0.0682	5.31	✓
12	12:21 PM	2.286	0.2/0.6/0.8	0.585	0.6000	0.351	80	0.8527	1.0000	0.7652	0.08919	0.0682	5.31	✓
12	12:21 PM	2.286	0.2/0.6/0.8	0.585	0.8000	0.468	80	0.4353	1.0000	0.7652	0.08919	0.0682	5.31	✓
13	12:25 PM	2.438	0.2/0.8	0.552	0.2000	0.110	80	0.9386	1.0000	0.8041	0.08408	0.0676	5.26	✓
13	12:25 PM	2.438	0.2/0.8	0.552	0.8000	0.441	80	0.6696	1.0000	0.8041	0.08408	0.0676	5.26	✓
14	12:27 PM	2.591	0.2/0.8	0.561	0.2000	0.112	80	0.9229	1.0000	0.7918	0.08547	0.0677	5.27	✓
14	12:27 PM	2.591	0.2/0.8	0.561	0.8000	0.449	80	0.6608	1.0000	0.7918	0.08547	0.0677	5.27	✓
15	12:30 PM	2.743	0.2/0.8	0.567	0.2000	0.113	80	0.9228	1.0000	0.7732	0.08640	0.0668	5.20	✓
15	12:30 PM	2.743	0.2/0.8	0.567	0.8000	0.454	80	0.6236	1.0000	0.7732	0.08640	0.0668	5.20	✓
16	12:36 PM	2.896	0.2/0.8	0.588	0.2000	0.118	80	0.9356	1.0000	0.7798	0.08965	0.0699	5.44	✓
16	12:36 PM	2.896	0.2/0.8	0.588	0.8000	0.471	80	0.6239	1.0000	0.7798	0.08965	0.0699	5.44	✓
17	12:38 PM	3.048	0.2/0.8	0.576	0.2000	0.115	80	0.9036	1.0000	0.7817	0.08779	0.0686	5.34	✓
17	12:38 PM	3.048	0.2/0.8	0.576	0.8000	0.461	80	0.6598	1.0000	0.7817	0.08779	0.0686	5.34	✓
18	12:41 PM	3.200	0.2/0.8	0.582	0.2000	0.116	80	0.8945	1.0000	0.7780	0.08872	0.0690	5.37	✓
18	12:41 PM	3.200	0.2/0.8	0.582	0.8000	0.466	80	0.6614	1.0000	0.7780	0.08872	0.0690	5.37	✓
19	12:43 PM	3.353	0.2/0.8	0.591	0.2000	0.118	80	0.8271	1.0000	0.7204	0.09012	0.0649	5.05	✓
19	12:43 PM	3.353	0.2/0.8	0.591	0.8000	0.473	80	0.6136	1.0000	0.7204	0.09012	0.0649	5.05	✓
20	12:46 PM	3.505	0.2/0.8	0.558	0.2000	0.112	80	0.8156	1.0000	0.7722	0.08501	0.0656	5.11	✓
20	12:46 PM	3.505	0.2/0.8	0.558	0.8000	0.446	80	0.7288	1.0000	0.7722	0.08501	0.0656	5.11	✓
21	12:48 PM	3.658	0.2/0.8	0.567	0.2000	0.113	80	0.7978	1.0000	0.7493	0.08640	0.0647	5.04	✓
21	12:48 PM	3.658	0.2/0.8	0.567	0.8000	0.454	80	0.7009	1.0000	0.7493	0.08640	0.0647	5.04	✓
22	12:51 PM	3.810	0.2/0.8	0.573	0.2000	0.115	80	0.6995	1.0000	0.6854	0.08733	0.0599	4.66	✓
22	12:51 PM	3.810	0.2/0.8	0.573	0.8000	0.458	80	0.6713	1.0000	0.6854	0.08733	0.0599	4.66	✓
23	12:53 PM	3.962	0.2/0.6/0.8	0.546	0.2000	0.109	80	0.5686	1.0000	0.6743	0.08315	0.0561	4.36	✓
23	12:53 PM	3.962	0.2/0.6/0.8	0.546	0.6000	0.327	80	0.7330	1.0000	0.6743	0.08315	0.0561	4.36	✓
23	12:53 PM	3.962	0.2/0.6/0.8	0.546	0.8000	0.436	80	0.6627	1.0000	0.6743	0.08315	0.0561	4.36	✓
24	12:57 PM	4.115	None	0.030	0.0000	0.000	0	0.0000	1.0000	0.6743	0.00232	0.0016	0.12	✓



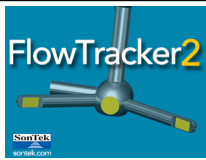
Discharge Measurement Summary

Site name ECanal7
Site number 02
Operator(s) VAllen
File name EastCanal_20230621_1148.ft
Comment

Quality Control Settings

Maximum depth change 50.00%
Maximum spacing change 100.00%
SNR threshold 10 dB
Standard error threshold 0.0100 m/s
Spike threshold 10.00%
Maximum velocity angle 20.0 deg
Maximum tilt angle 5.0 deg

Quality control warnings							
St#	Time	Location (m)	Method	Depth (m)	%Depth	Measured Depth (m)	Warnings
1	11:49 AM	0.610	0.2/0.6/0.8	0.530	0.2000	0.106	Water Depth > QC,SNR Threshold Variation
1	11:49 AM	0.610	0.2/0.6/0.8	0.530	0.6000	0.318	Water Depth > QC,SNR Threshold Variation
1	11:49 AM	0.610	0.2/0.6/0.8	0.530	0.8000	0.424	Water Depth > QC,SNR Threshold Variation
4	11:57 AM	1.067	0.6	0.491	0.6000	0.294	Standard Error > QC
5	11:58 AM	1.219	0.2/0.8	0.518	0.2000	0.104	Standard Error > QC
5	11:58 AM	1.219	0.2/0.8	0.518	0.8000	0.415	Standard Error > QC
6	12:01 PM	1.372	0.6	0.494	0.6000	0.296	Standard Error > QC
7	12:03 PM	1.524	0.2/0.8	0.515	0.2000	0.103	Standard Error > QC,Velocity Angle > QC
7	12:03 PM	1.524	0.2/0.8	0.515	0.8000	0.412	Standard Error > QC,Velocity Angle > QC
8	12:06 PM	1.676	0.6	0.491	0.6000	0.294	Velocity Angle > QC
9	12:08 PM	1.829	0.2/0.8	0.570	0.2000	0.114	Standard Error > QC
9	12:08 PM	1.829	0.2/0.8	0.570	0.8000	0.456	Standard Error > QC
10	12:11 PM	1.981	0.2/0.6/0.8	0.607	0.2000	0.121	Standard Error > QC
10	12:11 PM	1.981	0.2/0.6/0.8	0.607	0.6000	0.364	Standard Error > QC
10	12:11 PM	1.981	0.2/0.6/0.8	0.607	0.8000	0.485	Standard Error > QC
11	12:17 PM	2.134	0.2/0.6/0.8	0.594	0.2000	0.119	Standard Error > QC
11	12:17 PM	2.134	0.2/0.6/0.8	0.594	0.6000	0.357	Standard Error > QC
11	12:17 PM	2.134	0.2/0.6/0.8	0.594	0.8000	0.475	Standard Error > QC
12	12:21 PM	2.286	0.2/0.6/0.8	0.585	0.2000	0.117	Standard Error > QC
12	12:21 PM	2.286	0.2/0.6/0.8	0.585	0.6000	0.351	Standard Error > QC
12	12:21 PM	2.286	0.2/0.6/0.8	0.585	0.8000	0.468	Standard Error > QC
13	12:25 PM	2.438	0.2/0.8	0.552	0.2000	0.110	Standard Error > QC
13	12:25 PM	2.438	0.2/0.8	0.552	0.8000	0.441	Standard Error > QC
14	12:27 PM	2.591	0.2/0.8	0.561	0.2000	0.112	Standard Error > QC
14	12:27 PM	2.591	0.2/0.8	0.561	0.8000	0.449	Standard Error > QC
15	12:30 PM	2.743	0.2/0.8	0.567	0.2000	0.113	Standard Error > QC
15	12:30 PM	2.743	0.2/0.8	0.567	0.8000	0.454	Standard Error > QC
16	12:36 PM	2.896	0.2/0.8	0.588	0.2000	0.118	Standard Error > QC
16	12:36 PM	2.896	0.2/0.8	0.588	0.8000	0.471	Standard Error > QC
17	12:38 PM	3.048	0.2/0.8	0.576	0.2000	0.115	Standard Error > QC
17	12:38 PM	3.048	0.2/0.8	0.576	0.8000	0.461	Standard Error > QC
18	12:41 PM	3.200	0.2/0.8	0.582	0.2000	0.116	Standard Error > QC
18	12:41 PM	3.200	0.2/0.8	0.582	0.8000	0.466	Standard Error > QC
19	12:43 PM	3.353	0.2/0.8	0.591	0.2000	0.118	Standard Error > QC
19	12:43 PM	3.353	0.2/0.8	0.591	0.8000	0.473	Standard Error > QC
20	12:46 PM	3.505	0.2/0.8	0.558	0.2000	0.112	Standard Error > QC
20	12:46 PM	3.505	0.2/0.8	0.558	0.8000	0.446	Standard Error > QC
21	12:48 PM	3.658	0.2/0.8	0.567	0.2000	0.113	Standard Error > QC
21	12:48 PM	3.658	0.2/0.8	0.567	0.8000	0.454	Standard Error > QC
22	12:51 PM	3.810	0.2/0.8	0.573	0.2000	0.115	Standard Error > QC
22	12:51 PM	3.810	0.2/0.8	0.573	0.8000	0.458	Standard Error > QC
23	12:53 PM	3.962	0.2/0.6/0.8	0.546	0.2000	0.109	Water Depth > QC,Standard Error > QC
23	12:53 PM	3.962	0.2/0.6/0.8	0.546	0.6000	0.327	Water Depth > QC,Standard Error > QC
23	12:53 PM	3.962	0.2/0.6/0.8	0.546	0.8000	0.436	Water Depth > QC,Standard Error > QC
24	12:57 PM	4.115	None	0.030	0.0000	0.000	Water Depth > QC



Discharge Measurement Summary

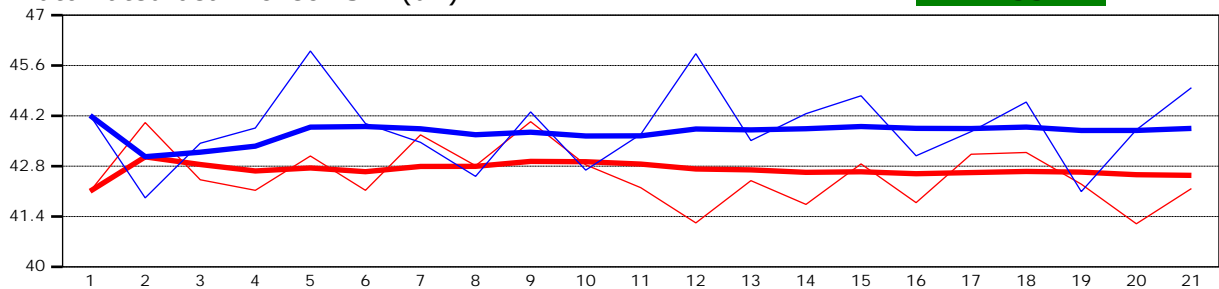
Site name ECanal7
Site number 02
Operator(s) VAllen
File name EastCanal_20230621_1148.ft
Comment

Beam 1	
Beam 2	

Automated beam check Start time 6/21/2023 11:45:35 AM

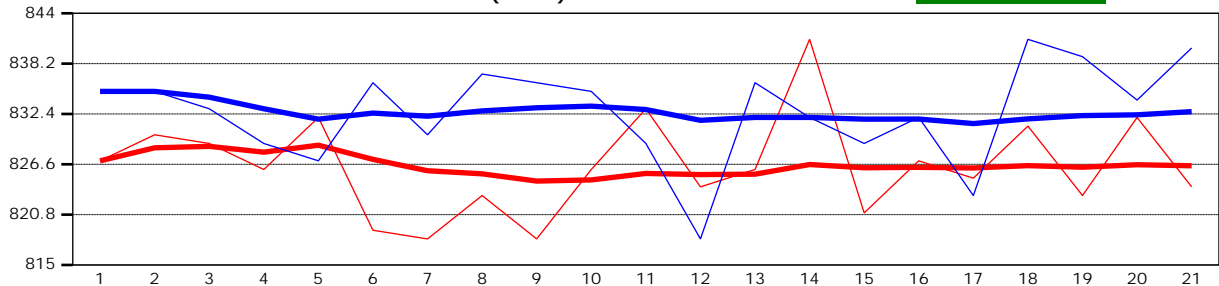
Automated beam check SNR(dB)

PASS



Automated beam check Noise level(cnts)

PASS



Automated beam check Quality control warnings

No quality control warnings



Discharge Measurement Summary

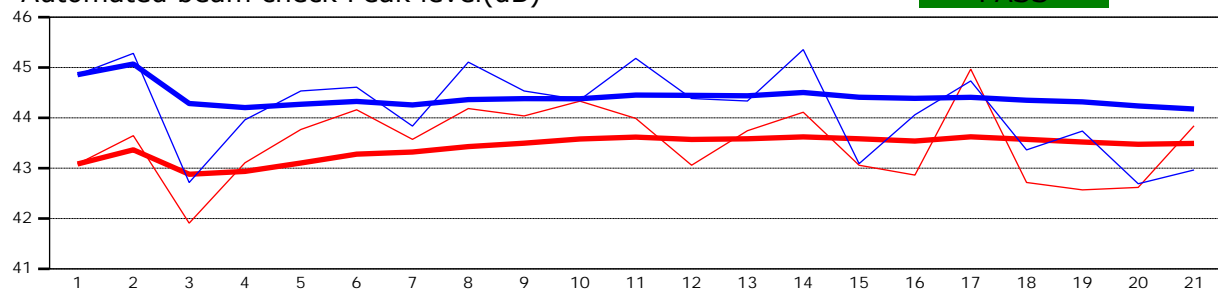
Site name ECanal7
Site number 02
Operator(s) VAllen
File name EastCanal_20230621_1148.ft
Comment

Beam 1	
Beam 2	

Automated beam check Start time 6/21/2023 11:45:35 AM

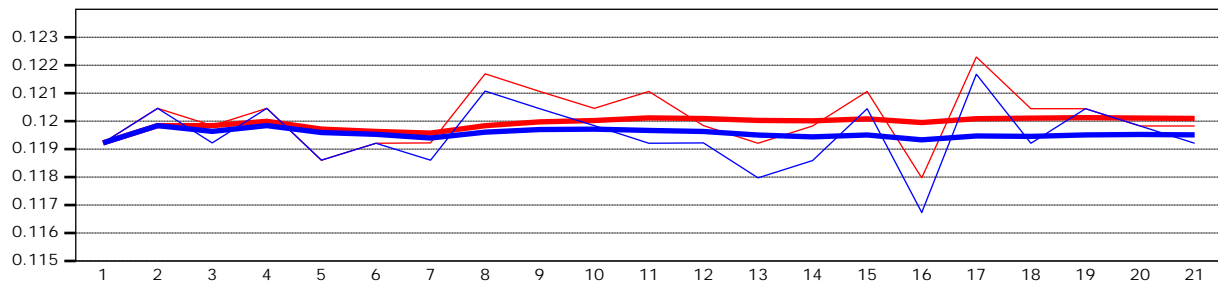
Automated beam check Peak level(dB)

PASS



Automated beam check Peak position(m)

PASS



Automated beam check Quality control warnings

No quality control warnings