

Discharge Measurement Summary

Site name 07182024.PS
Site number
Operator(s) Sweber
File name 07182024_PS_20240718-112547.ft
Comment

Start time	7/18/2024 9:39 AM	Sensor type	Top Setting
End time	7/18/2024 11:23 AM	Handheld serial number	FT2H2219029
Start location latitude	42.809	Probe serial number	FT2P2219014
Start location longitude	-118.870	Probe firmware	1.30
Calculations engine	FlowTracker2	Handheld software	1.7

# Stations	Avg interval (s)	Total discharge (ft ³ /s)
47	40	13.0998

Total width (ft)	Total area (ft ²)	Wetted Perimeter (ft)
23.000	12.1600	23.425

Mean SNR (dB)	Mean depth (ft)	Mean velocity (ft/s)
29	0.529	1.0773

Mean temp (°F)	Max depth (ft)	Max velocity (ft/s)
62.154	0.770	1.5365

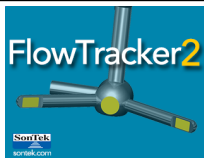
Discharge Uncertainty		
Category	ISO	IVE
Accuracy	1.0%	1.0%
Depth	0.3%	2.7%
Velocity	0.3%	1.5%
Width	0.1%	0.1%
Method	1.3%	
# Stations	1.1%	
Overall	2.0%	3.3%

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



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Station Warning Settings

Station discharge OK

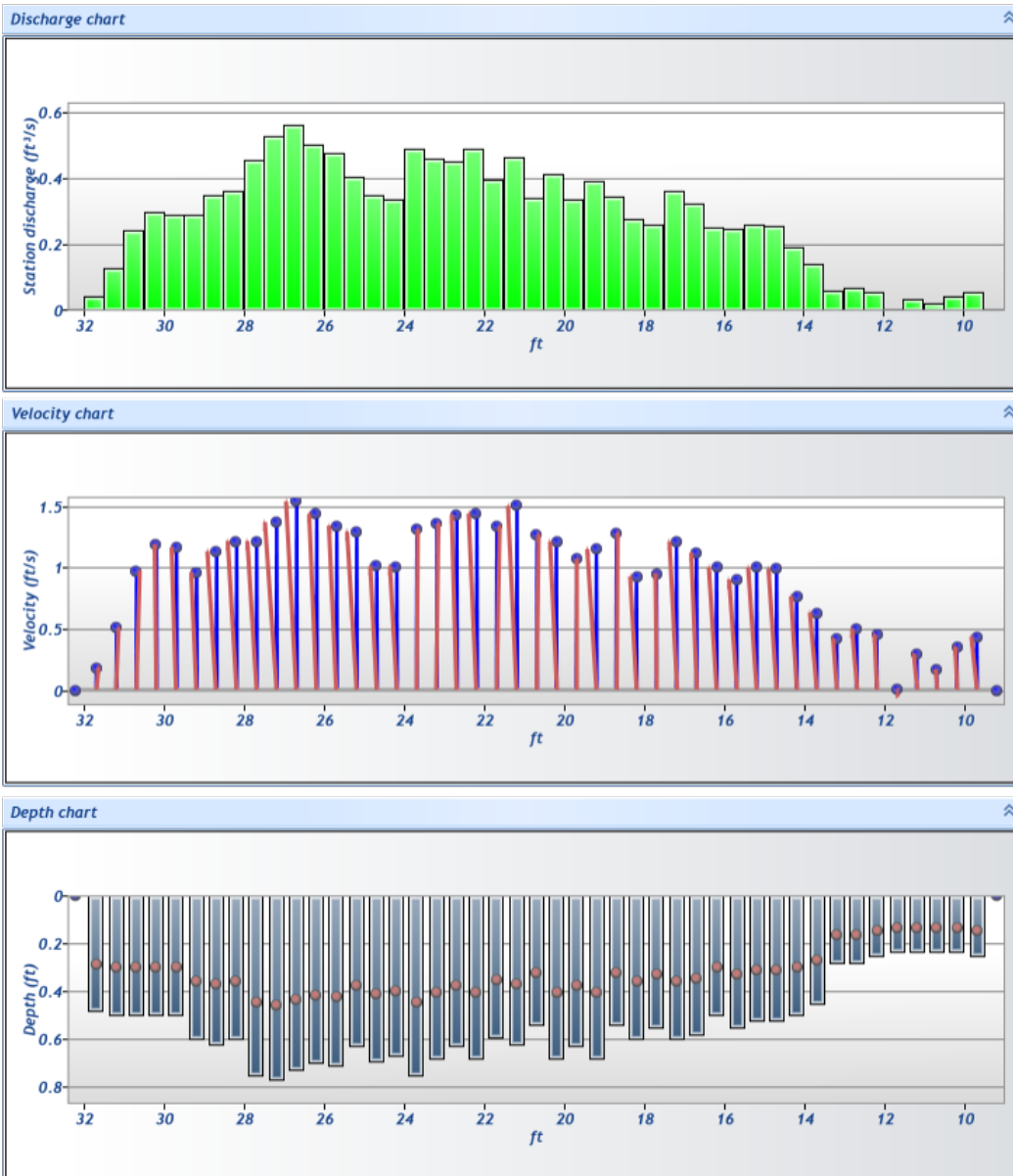
Station discharge < 5.00%

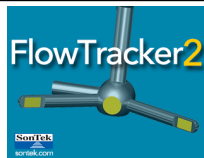
Station discharge caution

5.00% >= Station discharge < 10.00%

Station discharge warning

Station discharge >= 10.00%

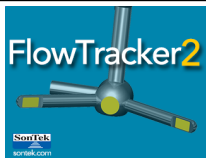




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Measurement results													
St#	Time	Location (ft)	Method	Depth (ft)	%Depth	Measured Depth (ft)	Samples	Velocity (ft/s)	Correcti on	Mean Velocity (ft/s)	Area (ft ²)	Flow (ft ³ /s)	%Q
0	9:39 AM	9.200	None	0.000	0.0000	0.000	0	0.0000	1.0000	0.4323	0.0000	0.0000	0.00
1	9:40 AM	9.700	0.6	0.250	0.6000	0.150	80	0.4323	1.0000	0.4323	0.1250	0.0540	0.41
2	9:44 AM	10.200	0.6	0.230	0.6000	0.138	80	0.3515	1.0000	0.3515	0.1150	0.0404	0.31
3	9:46 AM	10.700	0.6	0.230	0.6000	0.138	80	0.1674	1.0000	0.1674	0.1150	0.0193	0.15
4	9:48 AM	11.200	0.6	0.230	0.6000	0.138	80	0.2949	1.0000	0.2949	0.1150	0.0339	0.26
5	9:50 AM	11.700	0.6	0.230	0.6000	0.138	80	0.0082	1.0000	0.0082	0.1150	0.0009	0.01
6	9:51 AM	12.200	0.6	0.250	0.6000	0.150	80	0.4560	1.0000	0.4560	0.1250	0.0570	0.44
7	9:53 AM	12.700	0.6	0.280	0.6000	0.168	80	0.4985	1.0000	0.4985	0.1400	0.0698	0.53
8	9:54 AM	13.200	0.6	0.280	0.6000	0.168	80	0.4202	1.0000	0.4202	0.1400	0.0588	0.45
9	9:58 AM	13.700	0.6	0.450	0.6000	0.270	80	0.6290	1.0000	0.6290	0.2250	0.1415	1.08
10	10:00 AM	14.200	0.6	0.500	0.6000	0.300	80	0.7612	1.0000	0.7612	0.2500	0.1903	1.45
11	10:02 AM	14.700	0.6	0.520	0.6000	0.312	80	0.9876	1.0000	0.9876	0.2600	0.2568	1.96
12	10:03 AM	15.200	0.6	0.520	0.6000	0.312	80	1.0006	1.0000	1.0006	0.2600	0.2602	1.99
13	10:05 AM	15.700	0.6	0.550	0.6000	0.330	80	0.9003	1.0000	0.9003	0.2750	0.2476	1.89
14	10:10 AM	16.200	0.6	0.500	0.6000	0.300	80	1.0029	1.0000	1.0029	0.2500	0.2507	1.91
15	10:11 AM	16.700	0.6	0.580	0.6000	0.348	80	1.1187	1.0000	1.1187	0.2900	0.3244	2.48
16	10:13 AM	17.200	0.6	0.600	0.6000	0.360	80	1.2090	1.0000	1.2090	0.3000	0.3627	2.77
17	10:14 AM	17.700	0.6	0.550	0.6000	0.330	80	0.9501	1.0000	0.9501	0.2750	0.2613	1.99
18	10:16 AM	18.200	0.6	0.600	0.6000	0.360	80	0.9248	1.0000	0.9248	0.3000	0.2774	2.12
19	10:17 AM	18.700	0.6	0.540	0.6000	0.324	80	1.2817	1.0000	1.2817	0.2700	0.3461	2.64
20	10:19 AM	19.200	0.6	0.680	0.6000	0.408	80	1.1480	1.0000	1.1480	0.3400	0.3903	2.98
21	10:20 AM	19.700	0.6	0.630	0.6000	0.378	80	1.0687	1.0000	1.0687	0.3150	0.3366	2.57
22	10:29 AM	20.200	0.6	0.680	0.6000	0.408	80	1.2094	1.0000	1.2094	0.3400	0.4112	3.14
23	10:33 AM	20.700	0.6	0.540	0.6000	0.324	80	1.2696	1.0000	1.2696	0.2700	0.3428	2.62
24	10:35 AM	21.200	0.6	0.620	0.6000	0.372	80	1.5010	1.0000	1.5010	0.3100	0.4653	3.55
25	10:37 AM	21.700	0.6	0.590	0.6000	0.354	80	1.3360	1.0000	1.3360	0.2950	0.3941	3.01
26	10:40 AM	22.200	0.6	0.680	0.6000	0.408	80	1.4380	1.0000	1.4380	0.3400	0.4889	3.73
27	10:42 AM	22.700	0.6	0.630	0.6000	0.378	80	1.4278	1.0000	1.4278	0.3150	0.4498	3.43
28	10:45 AM	23.200	0.6	0.680	0.6000	0.408	80	1.3594	1.0000	1.3594	0.3400	0.4622	3.53
29	10:52 AM	23.700	0.6	0.750	0.6000	0.450	80	1.3106	1.0000	1.3106	0.3750	0.4915	3.75
30	10:56 AM	24.200	0.6	0.670	0.6000	0.402	80	1.0063	1.0000	1.0063	0.3350	0.3371	2.57
31	10:58 AM	24.700	0.6	0.690	0.6000	0.414	80	1.0084	1.0000	1.0084	0.3450	0.3479	2.66
32	11:03 AM	25.200	0.6	0.630	0.6000	0.378	80	1.2900	1.0000	1.2900	0.3150	0.4063	3.10
33	11:04 AM	25.700	0.6	0.710	0.6000	0.426	80	1.3391	1.0000	1.3391	0.3550	0.4754	3.63
34	11:06 AM	26.200	0.6	0.700	0.6000	0.420	80	1.4348	1.0000	1.4348	0.3500	0.5022	3.83
35	11:07 AM	26.700	0.6	0.730	0.6000	0.438	80	1.5365	1.0000	1.5365	0.3650	0.5608	4.28
36	11:09 AM	27.200	0.6	0.770	0.6000	0.462	80	1.3673	1.0000	1.3673	0.3850	0.5264	4.02
37	11:10 AM	27.700	0.6	0.750	0.6000	0.450	80	1.2129	1.0000	1.2129	0.3750	0.4548	3.47
38	11:12 AM	28.200	0.6	0.600	0.6000	0.360	80	1.2129	1.0000	1.2129	0.3000	0.3639	2.78
39	11:13 AM	28.700	0.6	0.620	0.6000	0.372	80	1.1298	1.0000	1.1298	0.3100	0.3502	2.67
40	11:15 AM	29.200	0.6	0.600	0.6000	0.360	80	0.9594	1.0000	0.9594	0.3000	0.2878	2.20
41	11:16 AM	29.700	0.6	0.500	0.6000	0.300	80	1.1625	1.0000	1.1625	0.2500	0.2906	2.22
42	11:18 AM	30.200	0.6	0.500	0.6000	0.300	80	1.1862	1.0000	1.1862	0.2500	0.2966	2.26
43	11:19 AM	30.700	0.6	0.500	0.6000	0.300	80	0.9722	1.0000	0.9722	0.2500	0.2431	1.86
44	11:20 AM	31.200	0.6	0.500	0.6000	0.300	80	0.5077	1.0000	0.5077	0.2500	0.1269	0.97
45	11:22 AM	31.700	0.6	0.480	0.6000	0.288	80	0.1827	1.0000	0.1827	0.2400	0.0439	0.33
46	11:23 AM	32.200	None	0.000	0.0000	0.000	0	0.0000	1.0000	0.1827	0.0000	0.0000	0.00

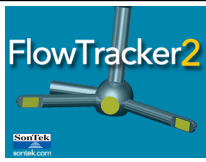


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Site name	07182024.PS
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Quality Control Settings	
Maximum depth change	50.00%
Maximum spacing change	100.00%
SNR threshold	10 dB
Standard error threshold	0.0328 ft/s
Spike threshold	10.00%
Maximum velocity angle	20.0 deg
Maximum tilt angle	5.0 deg

Quality control warnings							
St#	Time	Location (ft)	Method	Depth (ft)	%Depth	Measured Depth (ft)	Warnings
No quality control warnings							



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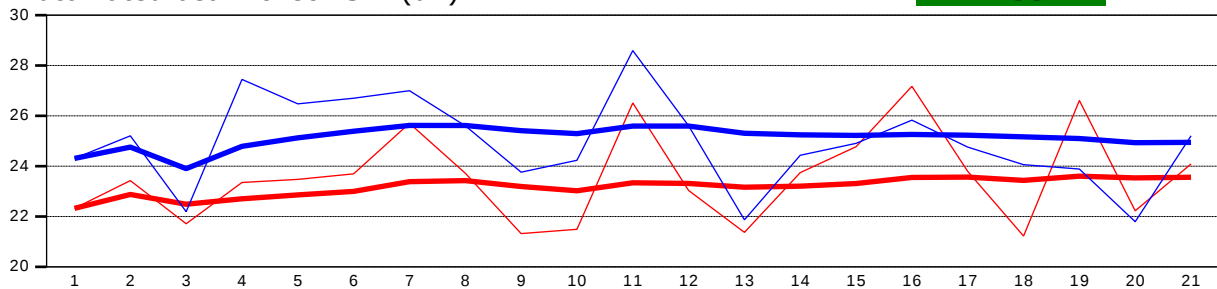
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Beam 1	
Beam 2	

Automated beam check Start time 7/18/2024 9:38:46 AM

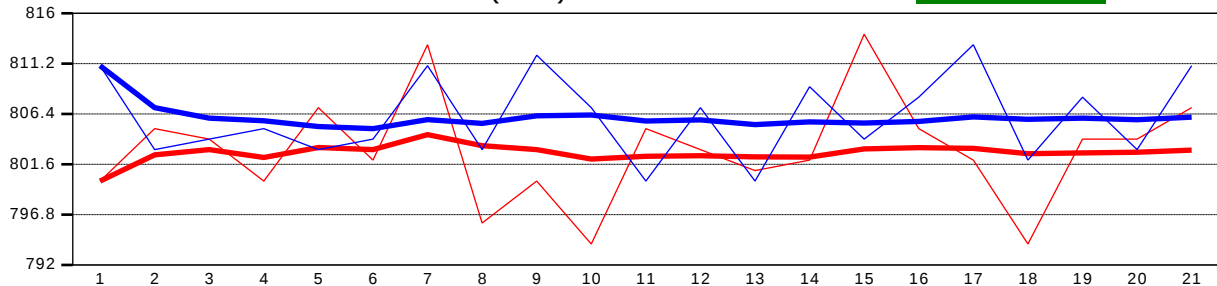
Automated beam check SNR(dB)

PASS



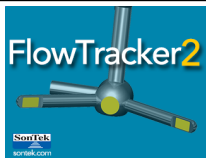
Automated beam check Noise level(cnts)

PASS



Automated beam check Quality control warnings

No quality control warnings



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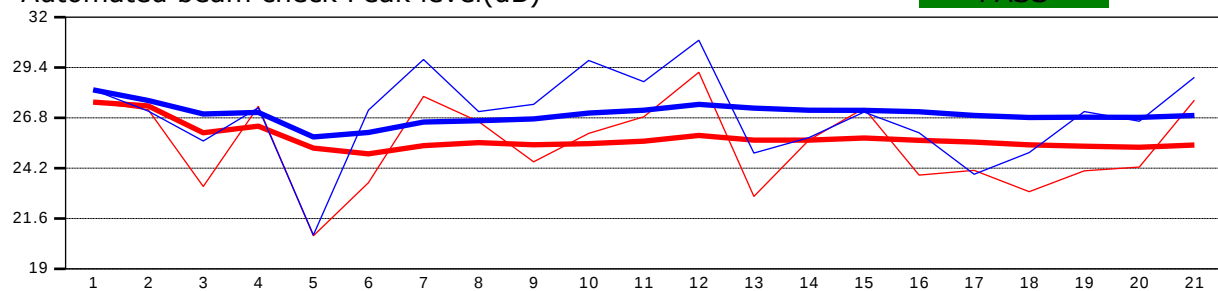
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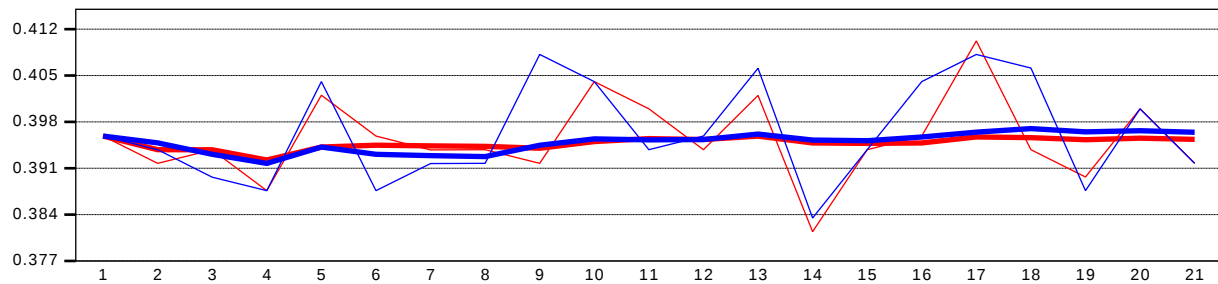
Automated beam check Peak level(dB)

PASS



Automated beam check Peak position(ft)

PASS



Automated beam check Quality control warnings

No quality control warnings