

Discharge Measurement Summary

Site name 082924.PS
Site number
Operator(s) Sweber
File name 082924_PS_20240829-105310.ft
Comment

Start time	8/29/2024 8:34 AM	Sensor type	Top Setting
End time	8/29/2024 10:51 AM	Handheld serial number	FT2H2219029
Start location latitude	42.809	Probe serial number	FT2P2219014
Start location longitude	-118.871	Probe firmware	1.30
Calculations engine	FlowTracker2	Handheld software	1.7

# Stations	Avg interval (s)	Total discharge (ft ³ /s)
86	40	37.0078

Total width (ft)	Total area (ft ²)	Wetted Perimeter (ft)
42.500	30.8250	43.577

Mean SNR (dB)	Mean depth (ft)	Mean velocity (ft/s)
21	0.725	1.2006

Mean temp (°F)	Max depth (ft)	Max velocity (ft/s)
51.603	1.020	1.7578

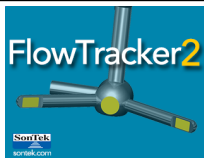
Discharge Uncertainty		
Category	ISO	IVE
Accuracy	1.0%	1.0%
Depth	0.2%	1.6%
Velocity	0.2%	1.6%
Width	0.1%	0.1%
Method	0.9%	
# Stations	0.6%	
Overall	1.5%	2.5%

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



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Station Warning Settings

Station discharge OK

Station discharge < 5.00%

Station discharge caution

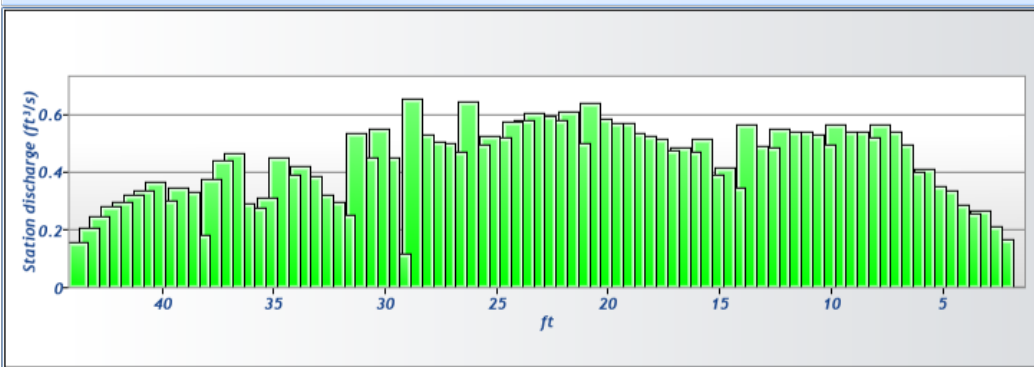
5.00% >= Station discharge < 10.00%

Station discharge warning

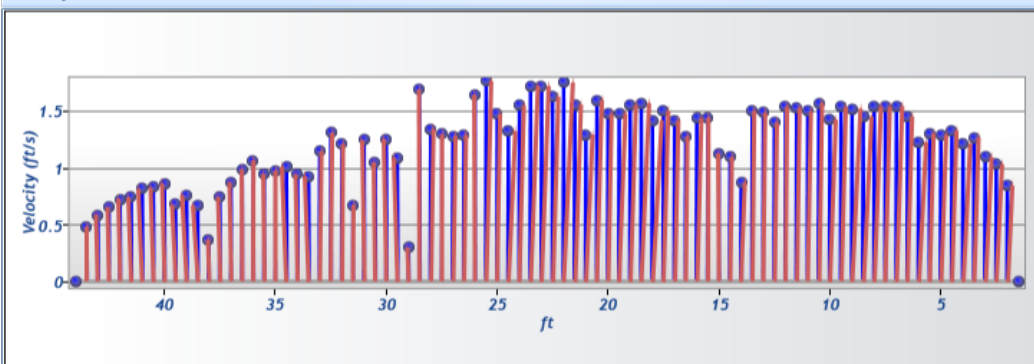
Station discharge >= 10.00%



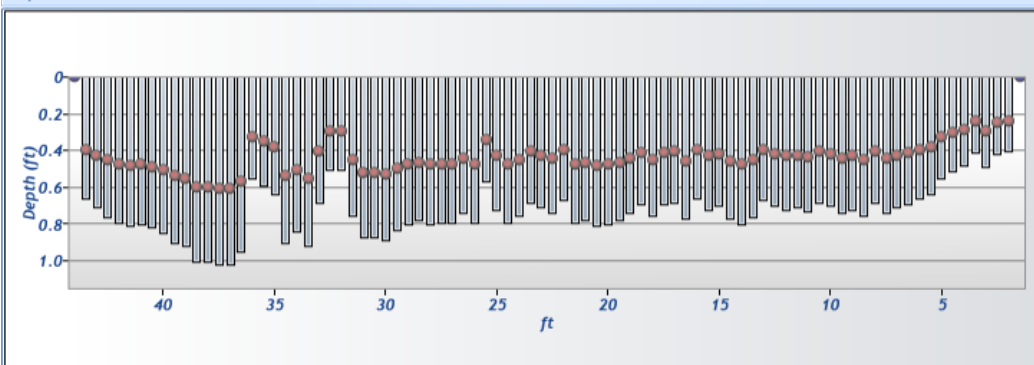
Discharge chart

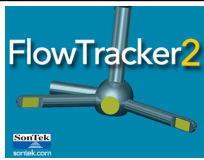


Velocity chart



Depth chart



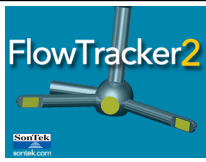


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Quality Control Settings	
Maximum depth change	50.00%
Maximum spacing change	100.00%
SNR threshold	10 dB
Standard error threshold	0.0328 ft/s
Spike threshold	10.00%
Maximum velocity angle	20.0 deg
Maximum tilt angle	5.0 deg

Quality control warnings							
St#	Time	Location (ft)	Method	Depth (ft)	%Depth	Measured Depth (ft)	Warnings
25	9:10 AM	14.000	0.6	0.800	0.6000	0.480	Standard Error > QC
26	9:12 AM	14.500	0.6	0.770	0.6000	0.462	Standard Error > QC
27	9:13 AM	15.000	0.6	0.700	0.6000	0.420	Standard Error > QC
29	9:16 AM	16.000	0.6	0.660	0.6000	0.396	Standard Error > QC
30	9:17 AM	16.500	0.6	0.770	0.6000	0.462	Standard Error > QC
31	9:20 AM	17.000	0.6	0.680	0.6000	0.408	Standard Error > QC
39	9:31 AM	21.000	0.6	0.780	0.6000	0.468	Standard Error > QC
45	9:40 AM	24.000	0.6	0.750	0.6000	0.450	Standard Error > QC
46	9:41 AM	24.500	0.6	0.790	0.6000	0.474	Standard Error > QC
47	9:58 AM	25.000	0.6	0.720	0.6000	0.432	Standard Error > QC
48	10:00 AM	25.500	0.6	0.570	0.6000	0.342	Standard Error > QC
50	10:03 AM	26.500	0.6	0.740	0.6000	0.444	Standard Error > QC
56	10:12 AM	29.500	0.6	0.830	0.6000	0.498	Standard Error > QC
58	10:14 AM	30.500	0.6	0.870	0.6000	0.522	Standard Error > QC
59	10:16 AM	31.000	0.6	0.870	0.6000	0.522	Standard Error > QC
85	10:51 AM	44.000	None	0.000	0.0000	0.000	Water Depth > QC



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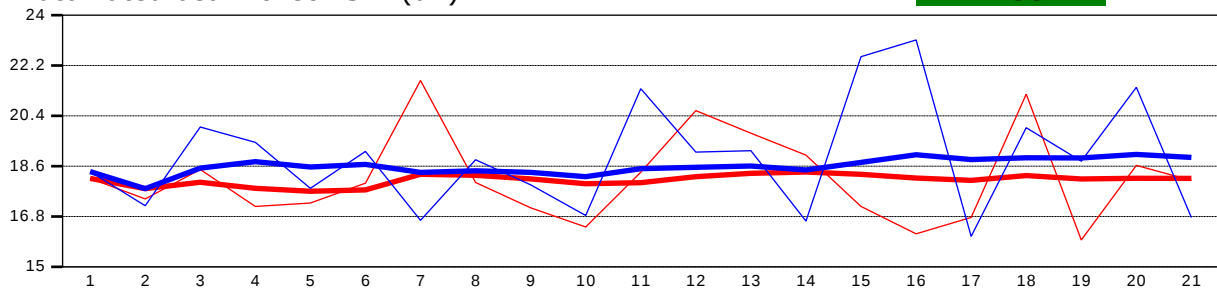
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Beam 1	
Beam 2	

Automated beam check Start time 8/29/2024 8:34:00 AM

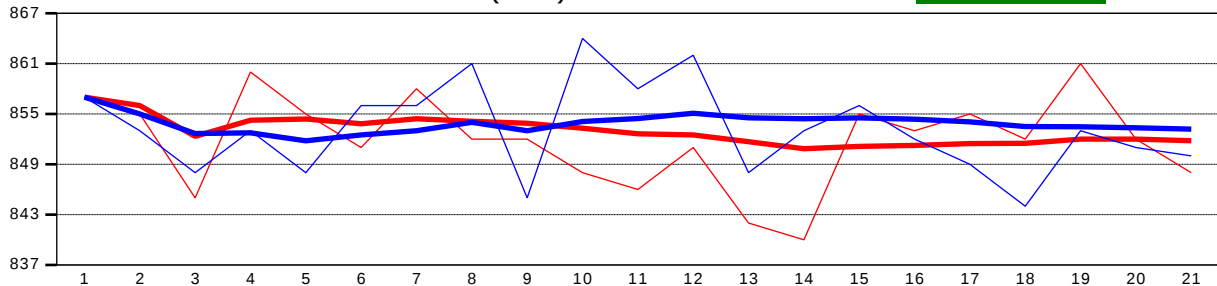
Automated beam check SNR(dB)

PASS



Automated beam check Noise level(cnts)

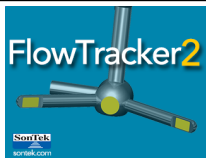
PASS



Automated beam check Quality control warnings

No quality control warnings

9/2/2024 10:49:00 AM



Discharge Measurement Summary

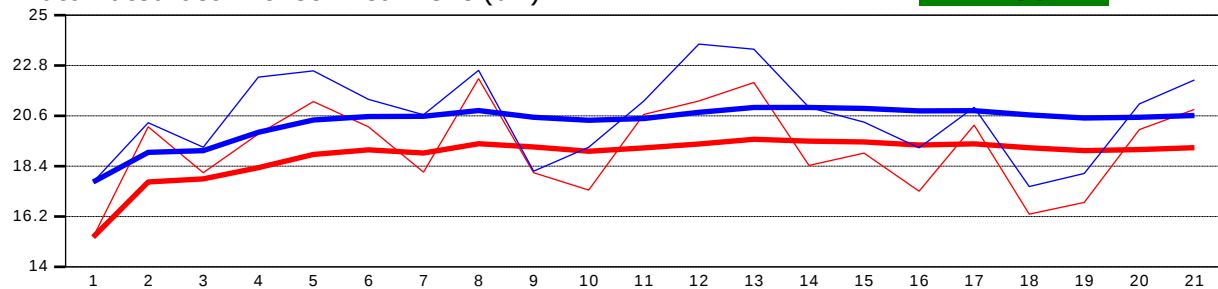
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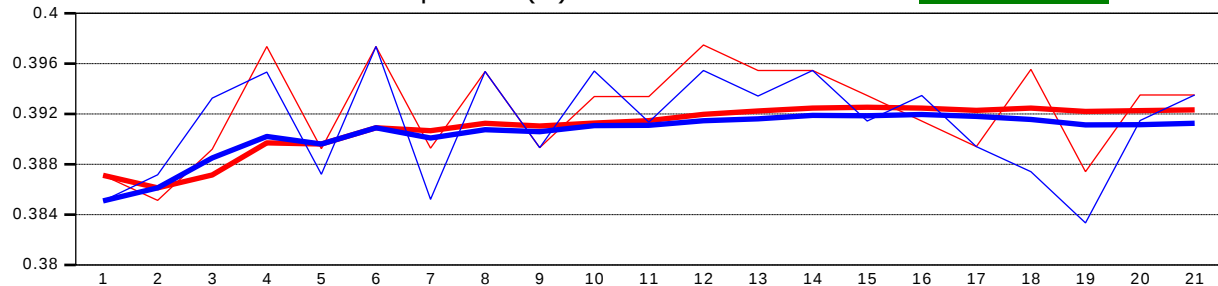
Automated beam check Peak level(dB)

PASS



Automated beam check Peak position(ft)

PASS



Automated beam check Quality control warnings

No quality control warnings

9/2/2024 10:49:00 AM