



QRev Discharge Measurement Report

1 of 5

Station Name: 07292024_Remauli

Station Number:

Measurement Date: 2024.07.29

Measurement Number: 0

Discharge: 78.82

Stage: 0.00

User Rating: Not Rated

Processed: 2024.08.08 10:11:21

Field Crew:		Discharge Summary		Cross Section															
Processed By:	sarah	Discharge (ft3/s):	78.82	Mean Velocity (ft/s):	1.362														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.110														
Version:	4.37	Total Duration (s):	1415.9	Mean Depth (ft):	2.342														
ADCP		Start Time:	15:02:30	Max. Depth (ft):	3.907														
Manufacturer:	TRDI	End Time:	15:22:58	Width (ft):	24.720														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	3.11														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	57.895														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	3.29														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.116	Uncertainty															
Premeasurement		Top Extrap:	3-Point	Uncertainty Method: QRev															
W. Temp. (C):	20.9	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.0 <table><tr><th>Component</th><th>Percent of Total</th></tr><tr><td>Systematic</td><td>~35</td></tr><tr><td>Extrap.</td><td>~33</td></tr><tr><td>COV</td><td>~21</td></tr><tr><td>Moving-bed</td><td>~5</td></tr><tr><td>Edges</td><td>~3</td></tr><tr><td>Invalid</td><td>~1</td></tr></table>		Component	Percent of Total	Systematic	~35	Extrap.	~33	COV	~21	Moving-bed	~5	Edges	~3	Invalid	~1
Component	Percent of Total																		
Systematic	~35																		
Extrap.	~33																		
COV	~21																		
Moving-bed	~5																		
Edges	~3																		
Invalid	~1																		
W. Temp. ADCP (C):		Extrap Exponent:	0.4050																
System Test:	Passed	Discharg COV (%):	2.20																
Compass Cal/Eval:	0.26	Top Q (%):	14.22																
Magnetic Variaton:	13.5	Measured Q (%):	69.98																
MovBed Test Type:	Loop	Left Q (%):	1.08																
MovBed Test Quality:	Warnings	Right Q (%):	1.50																
MovBed Test Dur.(s):	296.7	Bottom Q (%):	13.21																
Max MovBed (%):	0.45	Invalid Cells Q (%):	0.02																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	2.17																

Automated QA Messages:

WARNINGS

Cautions

- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Carefully review the extrapolation;
- Moving-Bed Test: The moving-bed test(s) has warnings, please review tests to determine validity;
- Site Info: Station number not entered;
- Extrapolation: User modified default automatic setting.

Comments:

- MMT Remarks:
- [Extrap, 2024-08-08 10:09:41, sarah]: 3-point top best fit for extrapolation.
- [MovBedTst, 2024-08-08 10:10:10, sarah]: Moving bed test accurate, some boulders on left edge causing some zero bin issues.



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Comments:

- [Main, 2024-08-08 10:11:01, sarah]: No station number for this location.
- [2024-08-08 10:11:16, sarah]: File Saved Q = 78.82 ft3/s (Uncertainty: 5.0%)

ID	File Name
0	07292024_Remauli_0_000_24-07-29.PD0
1	07292024_Remauli_0_001_24-07-29.PD0
2	07292024_Remauli_0_002_24-07-29.PD0
3	07292024_Remauli_0_003_24-07-29.PD0
4	07292024_Remauli_0_004_24-07-29.PD0
5	07292024_Remauli_0_005_24-07-29.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle Q (ft3/s)	Bottom Q (ft3/s)	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
0	Left	15:02:30	15:06:03	213.3	10.98	55.35	9.36	0.59	1.07	77.35
1	Right	15:06:16	15:10:02	225.1	11.05	55.65	10.81	0.91	1.46	79.88
2	Left	15:10:08	15:13:58	230.0	10.87	57.19	11.49	1.04	1.14	81.73
3	Right	15:14:06	15:18:09	242.6	11.03	54.03	11.03	0.63	1.22	77.95
4	Left	15:18:54	15:22:49	236.0	12.14	54.41	10.33	0.78	1.08	78.74
5	Right	15:22:58	15:27:27	269.0	11.18	54.31	9.46	1.18	1.13	77.25
				1415.9	11.21	55.16	10.41	0.85	1.18	78.82

Transect ID	Start Edge	Left Edge Type	Left Dist. (ft)	Left Edge # Ens.	Left Edge Coeff.	Right Edge Type	Right Dist (ft)	Right Edge # Ens.	Right Edge Coeff.
0	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
1	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
2	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
3	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
4	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
5	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535



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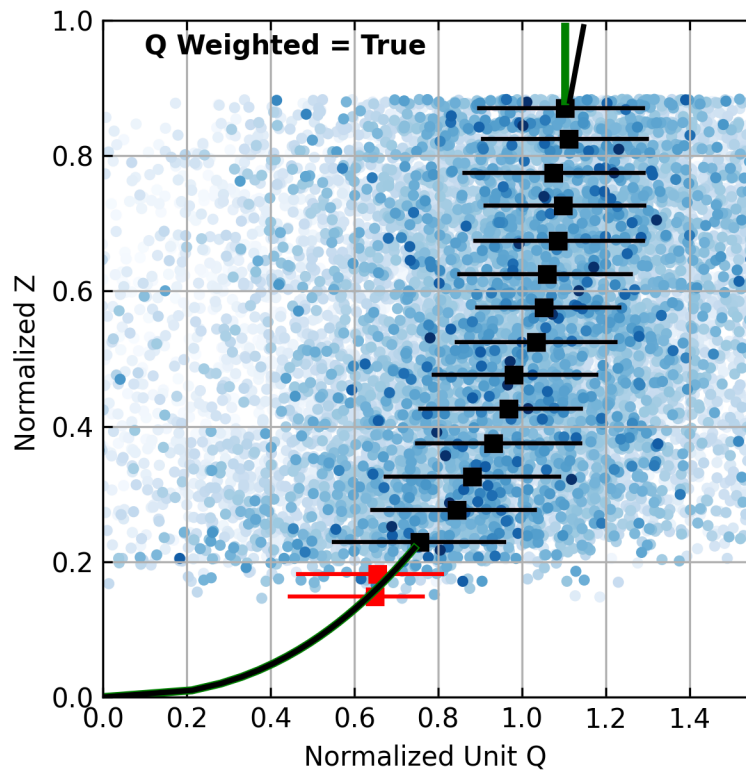
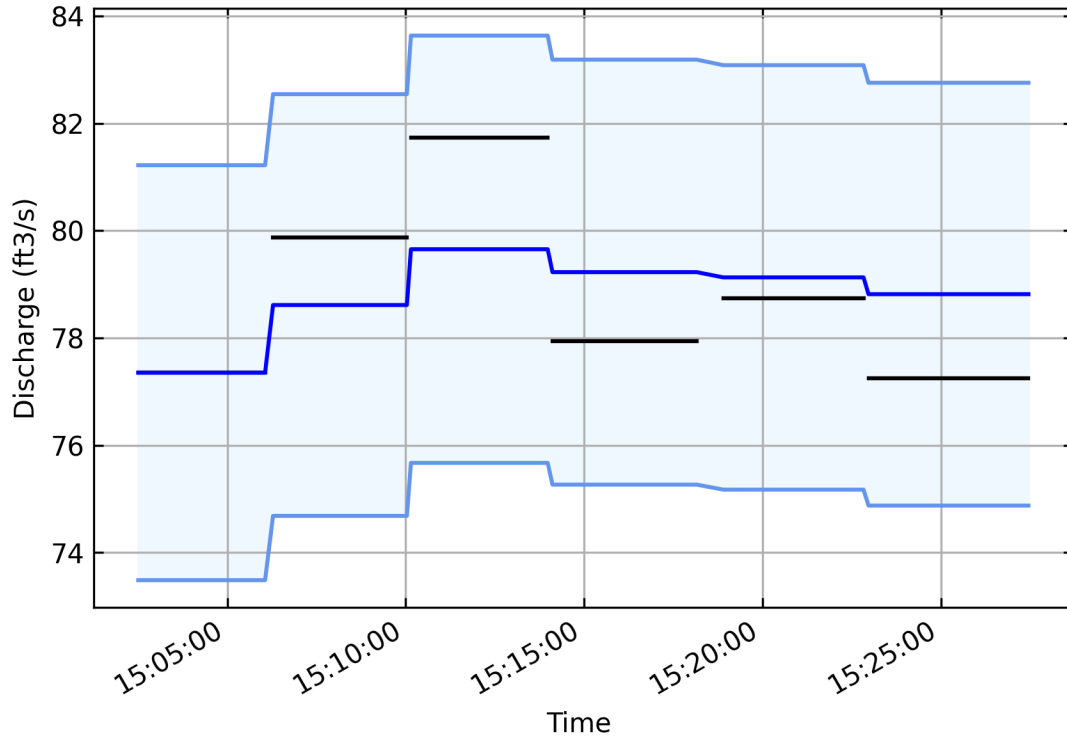
Measurement Number: 0

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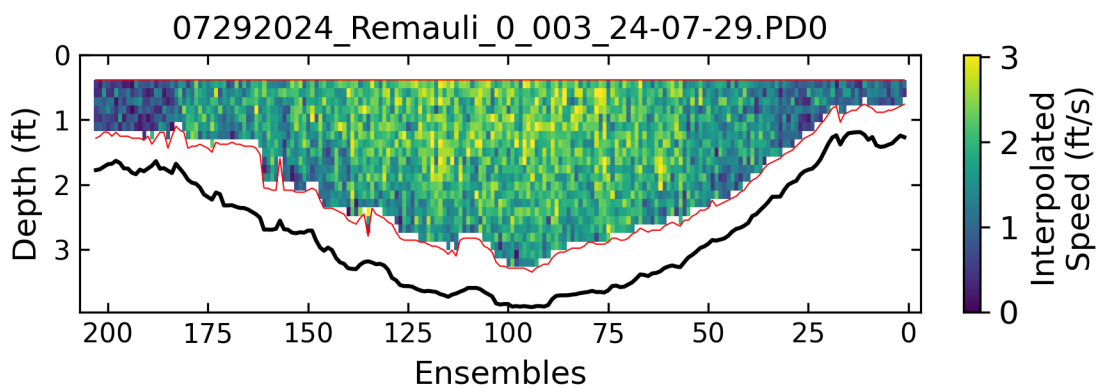
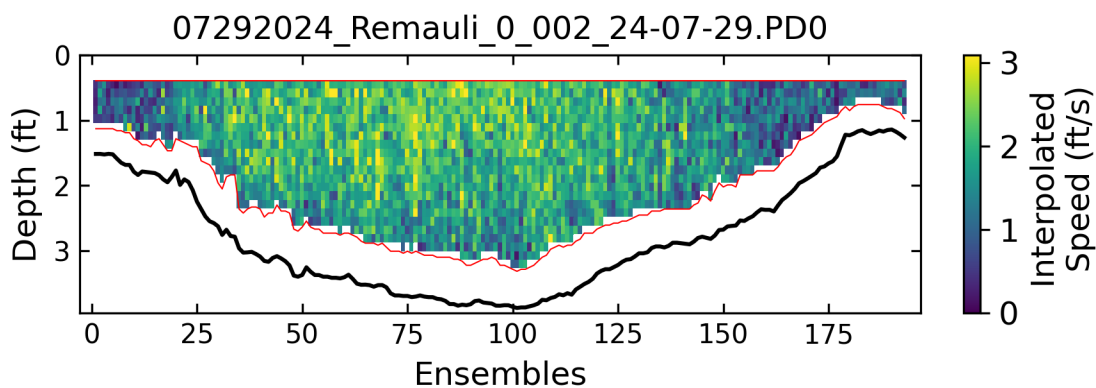
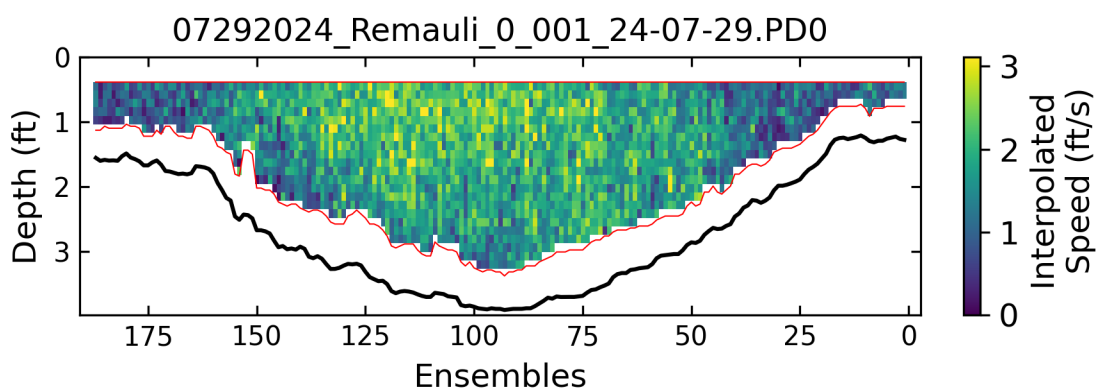
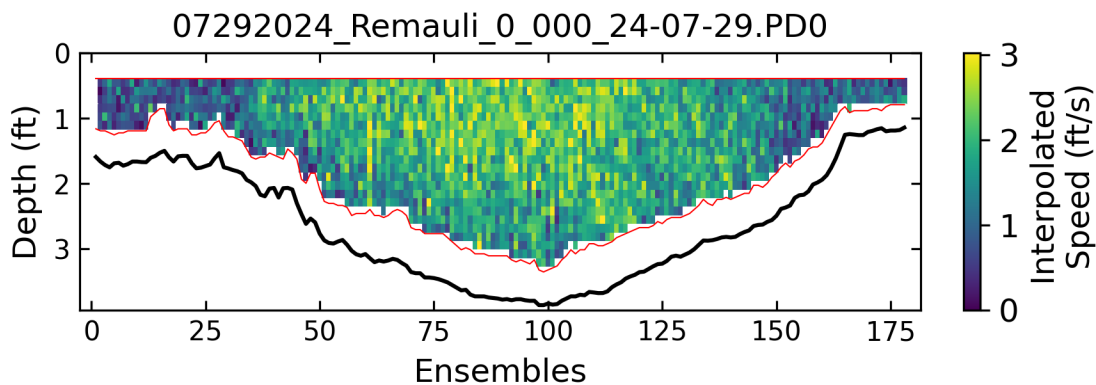
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