



QRev Discharge Measurement Report

1 of 5

Station Name: S2Krumbo_06032025

Station Number:

Measurement Date: 2025.06.03

Measurement Number: 0

Discharge: 487.47

Stage: 0.00

User Rating: Not Rated

Processed: 2025.06.06 08:04:50

Field Crew:		Discharge Summary		Cross Section															
Processed By:	sarah	Discharge (ft3/s):	487.47	Mean Velocity (ft/s):	2.600														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.938														
Version:	4.37	Total Duration (s):	1310.4	Mean Depth (ft):	5.158														
ADCP		Start Time:	10:35:19	Max. Depth (ft):	7.201														
Manufacturer:	TRDI	End Time:	11:14:14	Width (ft):	36.375														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	4.45														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	187.619														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	4.98														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.194	Uncertainty															
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev															
W. Temp. (C):	11.677778	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.7 <table><thead><tr><th>Factor</th><th>Percent of Total</th></tr></thead><tbody><tr><td>COV</td><td>40</td></tr><tr><td>Systematic</td><td>29</td></tr><tr><td>Extrap.</td><td>17</td></tr><tr><td>Moving-bed</td><td>7</td></tr><tr><td>Edges</td><td>7</td></tr><tr><td>Invalid</td><td>2</td></tr></tbody></table>		Factor	Percent of Total	COV	40	Systematic	29	Extrap.	17	Moving-bed	7	Edges	7	Invalid	2
Factor	Percent of Total																		
COV	40																		
Systematic	29																		
Extrap.	17																		
Moving-bed	7																		
Edges	7																		
Invalid	2																		
W. Temp. ADCP (C):		Extrap Exponent:	0.3493																
System Test:	Passed	Discharg COV (%):	3.43																
Compass Cal/Eval:	1.29	Top Q (%):	7.13																
Magnetic Variaton:	13.5	Measured Q (%):	73.28																
MovBed Test Type:	Loop	Left Q (%):	0.97																
MovBed Test Quality:	Good	Right Q (%):	4.00																
MovBed Test Dur.(s):	244.9	Bottom Q (%):	12.75																
Max MovBed (%):	1.49	Invalid Cells Q (%):	0.01																
Q Correction (%):	1.90	Invalid Ensembles Q (%):	2.69																

Automated QA Messages:

WARNINGS

Cautions

- Compass: Evaluation result > 1 deg;
- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Carefully review the extrapolation;
- Moving-Bed Test: A moving-bed is present.
- Moving-Bed: BT based moving-bed correction applied.
- Moving-Bed Test: Loop test used but compass calibration is caution
- Site Info: Station number not entered;

Comments:

- MMT Remarks:



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Comments:

- [Main, 2025-06-06 07:57:22, sarah]: There is no site number for this location. The metric used for compass calibration is less than 2 degrees. The extrapolation was reviewed and the most appropriate is the software chosen extrapolation. The moving bed test showed that a moving bed was present and a correction has been applied. Still experiencing issues on the left side of the transect even after cleaning. Weed rake again caught on something large in this area at the bottom that may be a buried branch or other similar debris that could not be removed. Consistent difference in transect discharge when moving from left to right versus from right to left, where left to right is typically lower by about 30 cfs. Weather during measurement was sunny and warm, no issues with WT difference between ADCP and independent.
- [2025-06-06 08:04:44, sarah]: File Saved Q = 487.47 ft3/s (Uncertainty: 5.7%)

ID	File Name
0	S2Krumbo_06032025_0_001_25-06-03.PD0
1	S2Krumbo_06032025_0_004_25-06-03.PD0
2	S2Krumbo_06032025_0_010_25-06-03.PD0
3	S2Krumbo_06032025_0_011_25-06-03.PD0
4	S2Krumbo_06032025_0_012_25-06-03.PD0
5	S2Krumbo_06032025_0_013_25-06-03.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	10:35:19	10:38:46	206.7	32.48	335.79	62.79	5.07	14.2	463.4
1	Right	10:43:59	10:46:52	172.8	36.99	371.53	62.14	5.34	20.24	499.42
2	Left	11:00:36	11:04:52	256.1	31.56	336.68	60.38	4.7	20.59	473.28
3	Right	11:05:01	11:08:14	192.4	39.28	386.48	59.12	4.6	19.03	508.99
4	Left	11:08:59	11:13:50	291.4	32.94	349.4	64.5	4.04	21.95	490.52
5	Right	11:14:14	11:17:25	190.9	35.31	363.47	64.1	4.53	20.98	489.22
				1310.4	34.76	357.23	62.17	4.71	19.5	487.47

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	4.00	10	0.3535	Triangular	3.50	10	0.3535
1	Right	Triangular	4.00	10	0.3535	Triangular	3.50	10	0.3535
2	Left	Triangular	3.50	10	0.3535	Triangular	4.00	10	0.3535
3	Right	Triangular	3.50	10	0.3535	Triangular	4.00	10	0.3535
4	Left	Triangular	3.50	10	0.3535	Triangular	4.00	10	0.3535
5	Right	Triangular	3.50	10	0.3535	Triangular	4.00	10	0.3535



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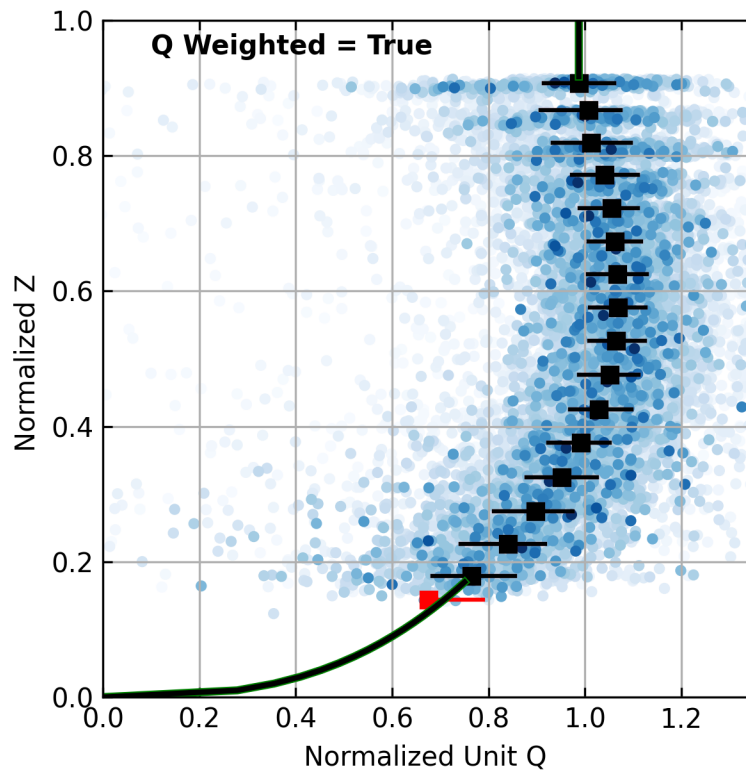
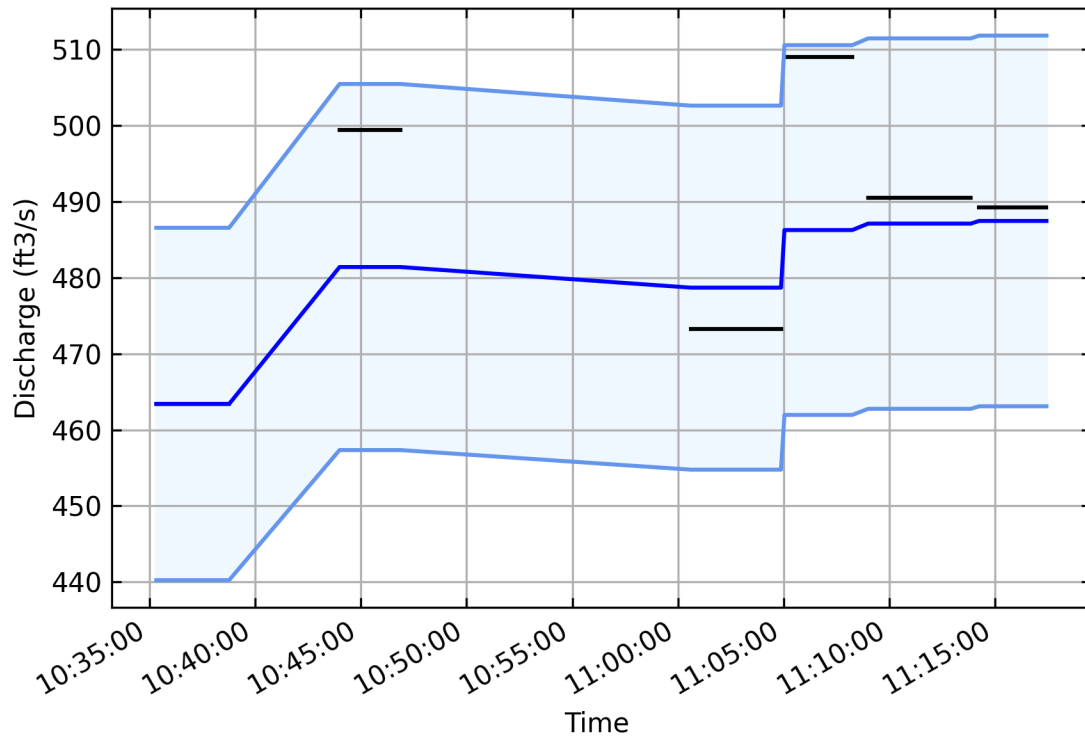
Measurement Number: 0

Discharge: 487.47

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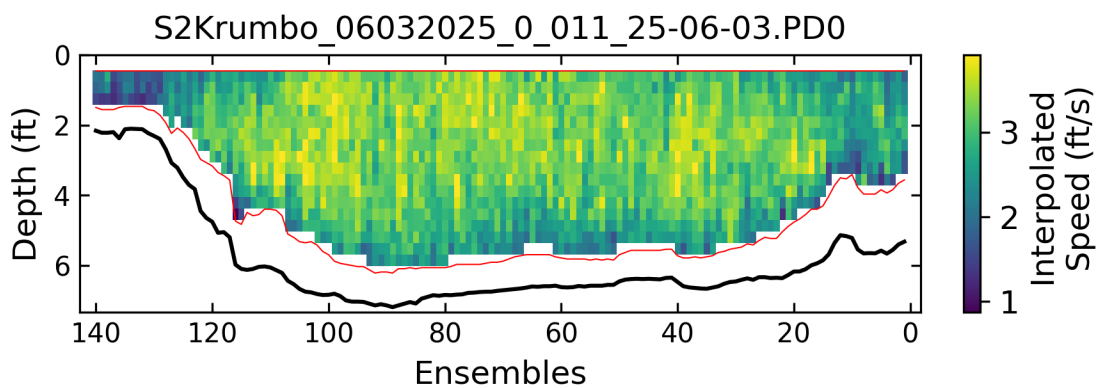
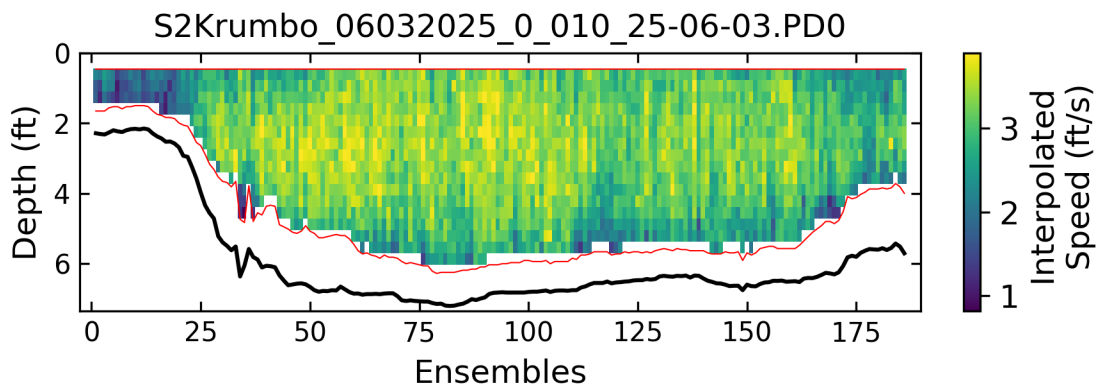
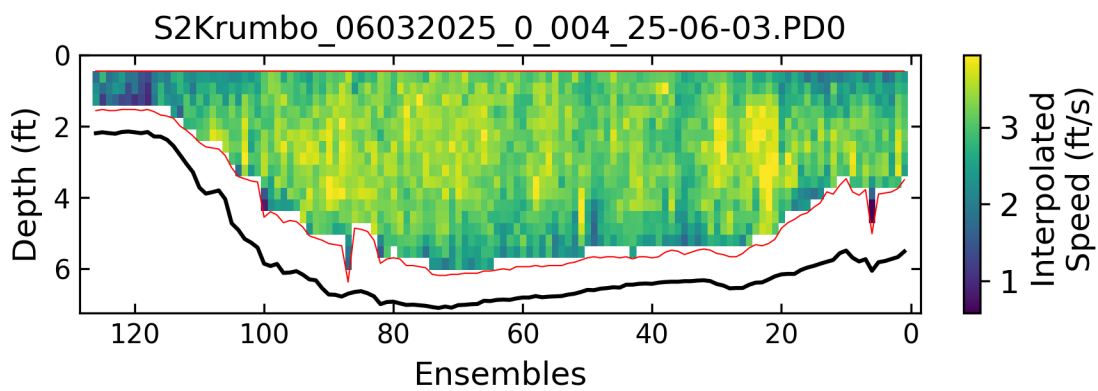
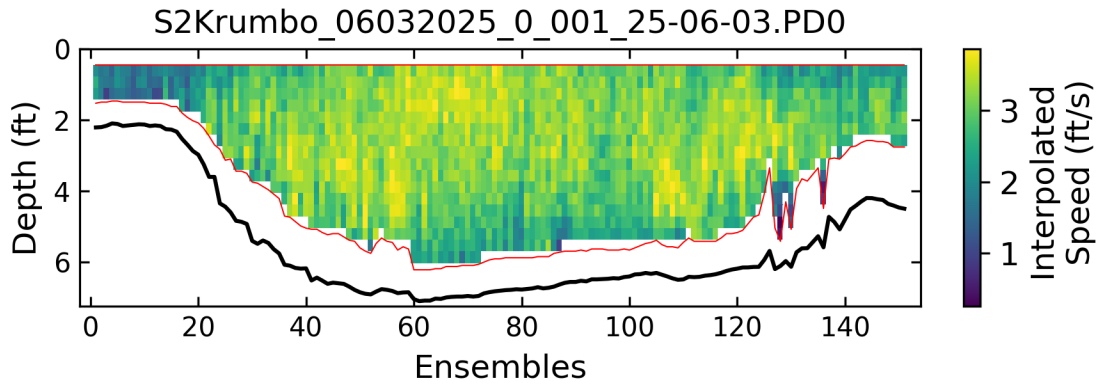
Measurement Number: 0

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