



QRev Discharge Measurement Report

1 of 5

Station Name: 07082025_S2Krumbo

Station Number:

Measurement Date: 2025.07.08

Measurement Number: 0

Discharge: 77.66

Stage: 0.00

User Rating: Not Rated

Processed: 2025.07.17 16:08:58

Field Crew:		Discharge Summary		Cross Section															
Processed By:	ADCPH	Discharge (ft3/s):	77.66	Mean Velocity (ft/s):	1.132														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.694														
Version:	4.37	Total Duration (s):	1156.2	Mean Depth (ft):	2.767														
ADCP		Start Time:	11:09:22	Max. Depth (ft):	3.726														
Manufacturer:	TRDI	End Time:	11:28:52	Width (ft):	24.796														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.07														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	68.609														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	1.42														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.113	Uncertainty															
Premeasurement		Top Extrap:	Power			Uncertainty Method:	QRev												
W. Temp. (C):	19.11	Bottom Extrap:	Power	95% Total Uncertainty: 4.7 <table><thead><tr><th>Factor</th><th>Percent of Total</th></tr></thead><tbody><tr><td>Systematic</td><td>40</td></tr><tr><td>COV</td><td>28</td></tr><tr><td>Edges</td><td>22</td></tr><tr><td>Extrap.</td><td>5</td></tr><tr><td>Moving-bed</td><td>5</td></tr><tr><td>Invalid</td><td>1</td></tr></tbody></table>		Factor	Percent of Total	Systematic	40	COV	28	Edges	22	Extrap.	5	Moving-bed	5	Invalid	1
Factor	Percent of Total																		
Systematic	40																		
COV	28																		
Edges	22																		
Extrap.	5																		
Moving-bed	5																		
Invalid	1																		
W. Temp. ADCP (C):		Extrap Exponent:	0.2573																
System Test:	Passed	Discharg COV (%):	2.38																
Compass Cal/Eval:	0.44	Top Q (%):	14.09																
Magnetic Variaton:	13.5	Measured Q (%):	66.87																
MovBed Test Type:	Loop	Left Q (%):	4.85																
MovBed Test Quality:	Good	Right Q (%):	2.34																
MovBed Test Dur.(s):	212.4	Bottom Q (%):	11.84																
Max MovBed (%):	0.09	Invalid Cells Q (%):	0.09																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.16																

Automated QA Messages:

WARNINGS

- Edges: One or more transects have an edge edge Q greater than 5%;

Cautions

- Site Info: Station number not entered;
- Temperature: User modified independent temperature.

Comments:

- MMT Remarks:
- [Main, 2025-07-17 16:01:07, ADCPH]: This site has no station number. Measurement conditions were sunny and hot, 83 degrees F, with sun shining directly on ADCP. Under these conditions, the ADCP typically reads higher than the independent. WT was equilibrated for 30 minutes and ADCP was stuck on 68.90 F for 10 minutes and the independent was 64.62 F. An additional independent WT was taken after measurement was completed, reading 68.18 F. The independent WT were averaged to replace the original independent reading. The left edge of 2 transects were slightly above 5% Q due to unwanted boat movement from the edge pulling the boat towards the channel. This edge position was the only position available due to exposed rocks during low water.



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Processed: 2025.07.17 16:08:59

Comments:

- [2025-07-17 16:08:51, ADCPH]: File Saved Q = 77.66 ft³/s (Uncertainty: 4.7%)

ID	File Name
0	07082025_S2Krumbo_0_000_25-07-08.PD0
1	07082025_S2Krumbo_0_002_25-07-08.PD0
2	07082025_S2Krumbo_0_003_25-07-08.PD0
3	07082025_S2Krumbo_0_004_25-07-08.PD0
4	07082025_S2Krumbo_0_005_25-07-08.PD0
5	07082025_S2Krumbo_0_006_25-07-08.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft ³ /s)	Middle Q (ft ³ /s)	Bottom Q (ft ³ /s)	Left Q (ft ³ /s)	Right Q (ft ³ /s)	Total Q (ft ³ /s)
0	Left	11:09:22	11:12:25	183.1	11.19	51.25	9.1	3.62	2.01	77.16
1	Right	11:13:48	11:17:22	213.6	11.58	52.77	9.46	3.71	1.84	79.36
2	Left	11:17:35	11:20:47	191.9	11.55	53.41	9.48	3.84	2.05	80.34
3	Right	11:21:09	11:24:29	200.1	11.15	50.99	9.21	3.93	2.05	77.32
4	Left	11:25:04	11:28:02	178.2	9.96	51.18	8.62	4.15	1.55	75.45
5	Right	11:28:52	11:32:01	189.3	10.25	51.98	9.3	3.37	1.42	76.32
				1156.2	10.95	51.93	9.19	3.77	1.82	77.66

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



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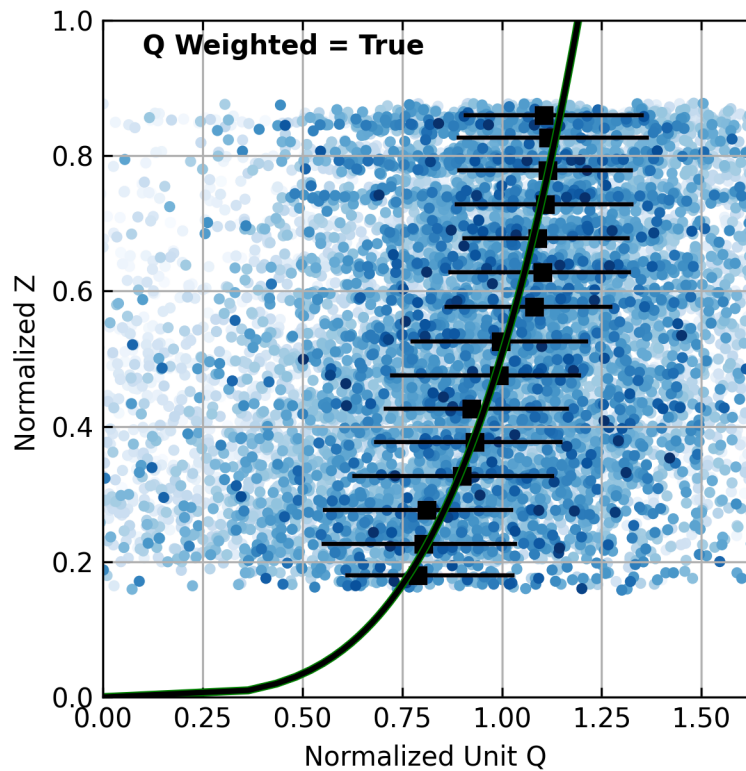
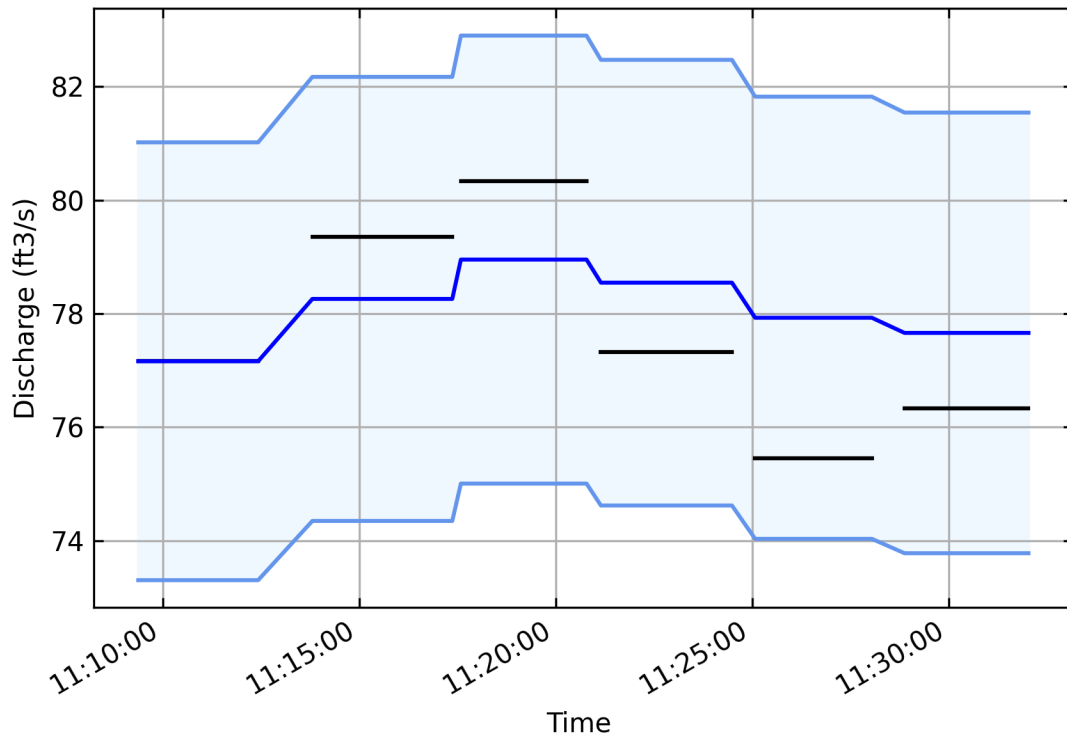
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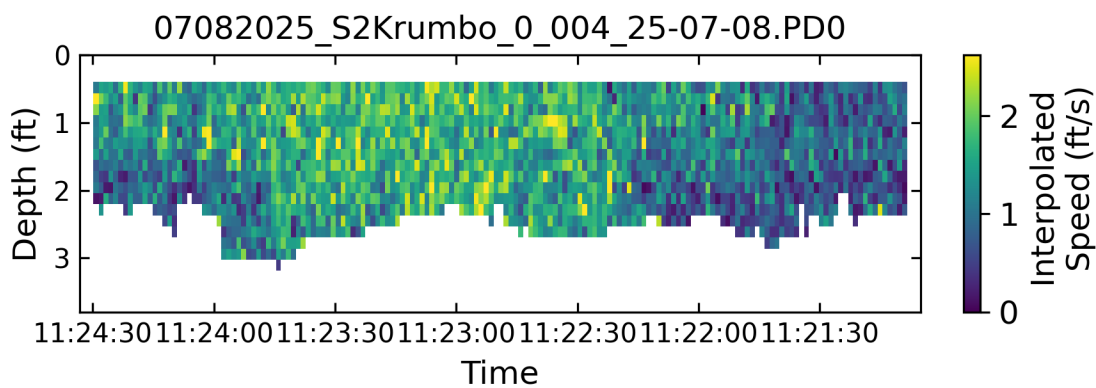
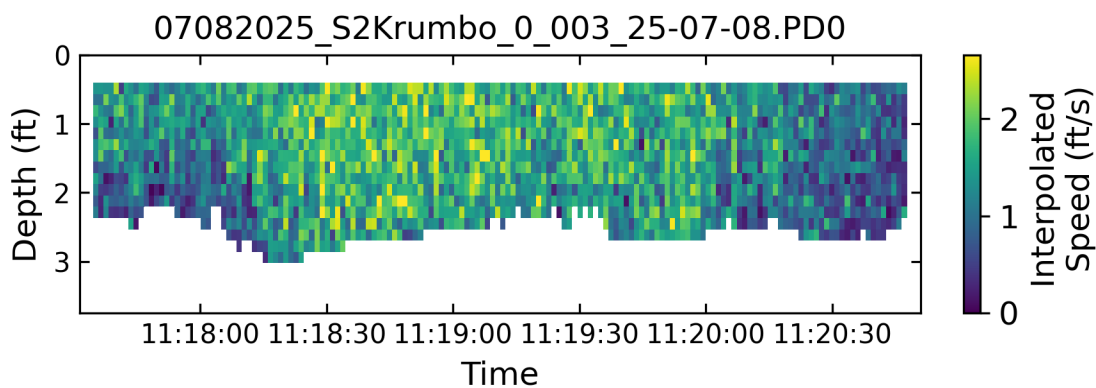
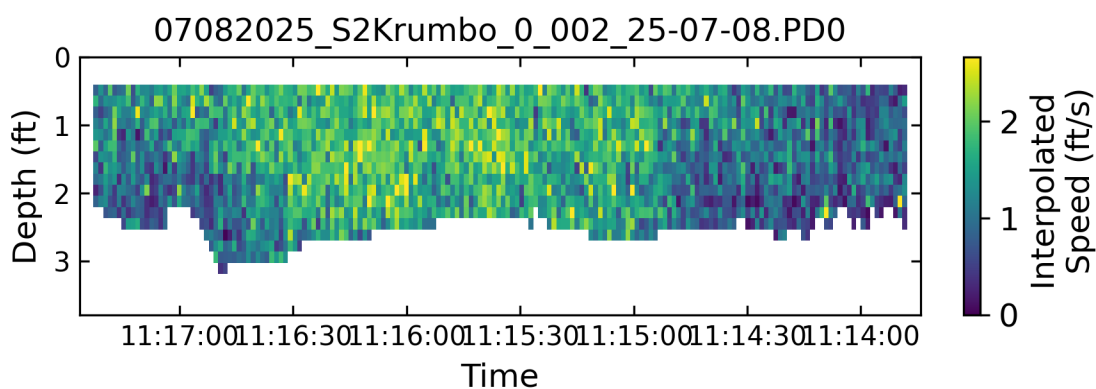
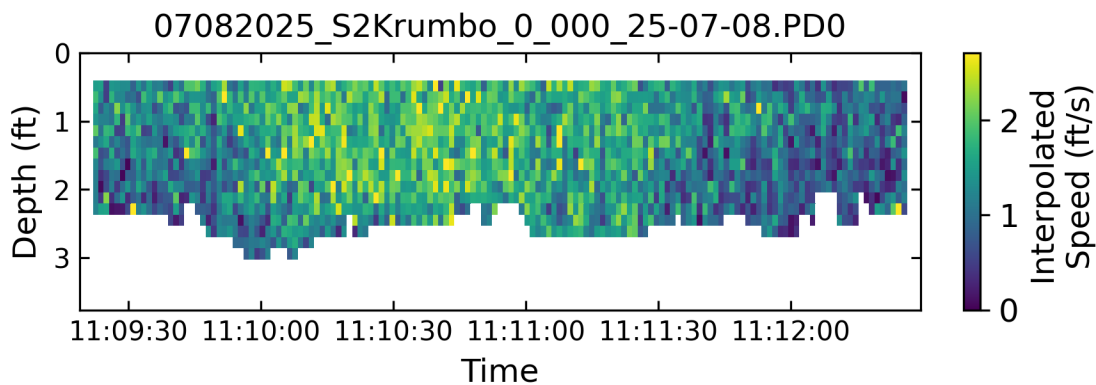
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