



QRev Discharge Measurement Report

1 of 5

Station Name: 06282024_Diamond

Station Number:

Measurement Date: 2024.06.28

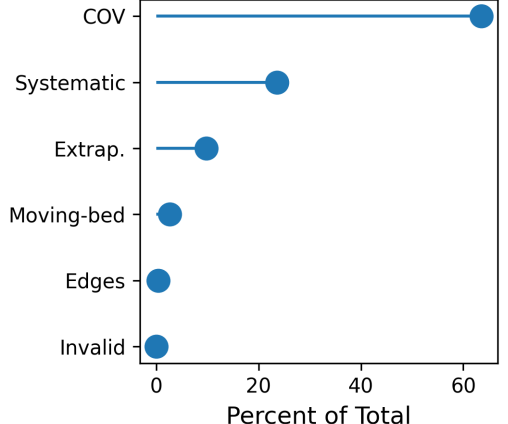
Measurement Number: 0

Discharge: 73.56

Stage: 0.00

User Rating: Not Rated

Processed: 2024.08.08 08:10:16

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	73.56	Mean Velocity (ft/s):	1.408
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.355
Version:	4.37	Total Duration (s):	2014.9	Mean Depth (ft):	1.775
ADCP		Start Time:	12:05:35	Max. Depth (ft):	2.471
Manufacturer:	TRDI	End Time:	12:38:12	Width (ft):	29.429
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.89
Serial Number:	2673	Stage End:	0.00	Area (ft2):	52.228
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.71
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.156	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	19.122222	Bottom Extrap:	No Slip	95% Total Uncertainty: 6.2 	
W. Temp. ADCP (C):		Extrap Exponent:	0.1667		
System Test:	Passed	Discharg COV (%):	5.88		
Compass Cal/Eval:	0.29	Top Q (%):	19.05		
Magnetic Variaton:	13.5	Measured Q (%):	61.82		
MovBed Test Type:	Loop	Left Q (%):	1.14		
MovBed Test Quality:	Good	Right Q (%):	-0.17		
MovBed Test Dur.(s):	238.7	Bottom Q (%):	18.15		
Max MovBed (%):	0.56	Invalid Cells Q (%):	0.14		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.26		

Automated QA Messages:

WARNINGS

Cautions

- Transects: 06282024_Diamond_0_006_24-06-28.PD0 is missing 12 ensembles;
- Site Info: Station number not entered;
- Extrapolation: User modified default automatic setting.

Comments:

- MMT Remarks:
- [Main, 2024-08-08 08:01:32, sarah]: Low water has exposed a tarp wrapped around bridge beam on transect right edge that is causing eddys and updraft. Tarp is significantly buried and wound around bridge, will need to remove before taking another ADCP measurement at this location. Attempted to keep each transect as similar as possible during this measurement.
- [Extrap, 2024-08-08 08:08:24, sarah]: Automated chosen extrapolation best fit.
- [Main, 2024-08-08 08:09:51, sarah]: No station number for this location.



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User Rating: Not Rated

Processed: 2024.08.08 08:10:16

Comments:

- [2024-08-08 08:10:09, sarah]: File Saved Q = 73.56 ft³/s (Uncertainty: 6.2%)

ID	File Name
0	06282024_Diamond_0_000_24-06-28.PD0
1	06282024_Diamond_0_001_24-06-28.PD0
2	06282024_Diamond_0_002_24-06-28.PD0
3	06282024_Diamond_0_003_24-06-28.PD0
4	06282024_Diamond_0_004_24-06-28.PD0
5	06282024_Diamond_0_005_24-06-28.PD0
6	06282024_Diamond_0_006_24-06-28.PD0
7	06282024_Diamond_0_007_24-06-28.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle	Bottom	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
						Q (ft3/s)	Q (ft3/s)			
0	Left	12:05:35	12:09:38	243.0	14.46	46.57	12.73	0.38	0.16	74.3
1	Right	12:09:54	12:14:03	249.1	15.15	47.84	14.41	0.61	0.09	78.09
2	Left	12:14:32	12:18:54	262.3	13.1	43.38	13.91	0.48	-0.31	70.56
3	Right	12:19:03	12:23:03	240.3	15.41	47.95	14.25	0.84	-0.42	78.03
4	Left	12:23:55	12:28:39	283.5	13.05	42.66	12.86	1.2	0.36	70.13
5	Right	12:28:47	12:32:44	236.6	12.56	42.48	12.02	0.93	-0.18	67.8
6	Left	12:33:42	12:38:03	261.6	14.38	47.84	15.8	1.15	-0.33	78.85
7	Right	12:38:12	12:42:11	238.5	14.0	45.07	10.85	1.14	-0.36	70.7
				2014.9	14.01	45.47	13.35	0.84	-0.12	73.56

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	3.50	10	0.3535
1	Right	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535
2	Left	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535
3	Right	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535
4	Left	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535
5	Right	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535
6	Left	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535
7	Right	Triangular	3.00	10	0.3535	Triangular	3.50	10	0.3535



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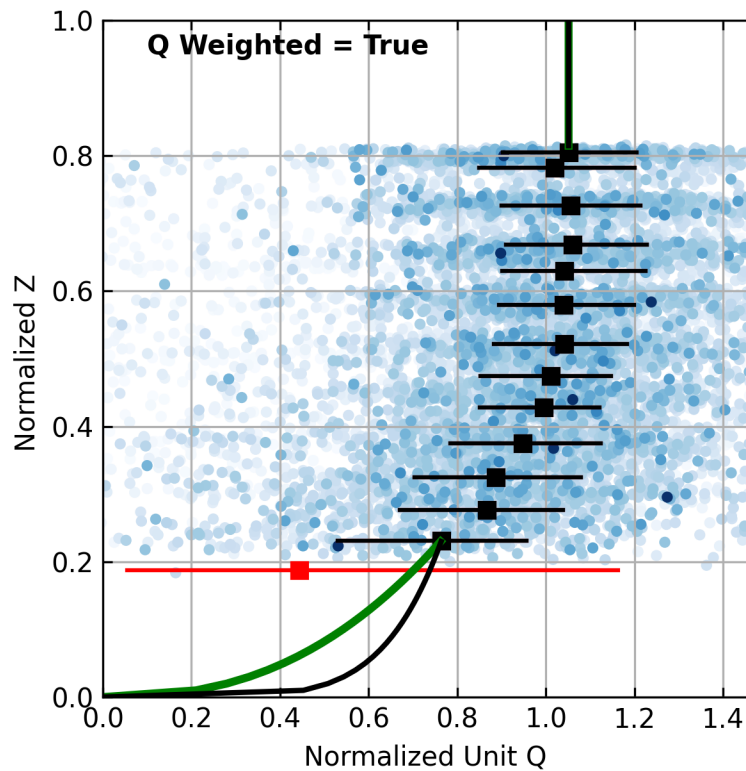
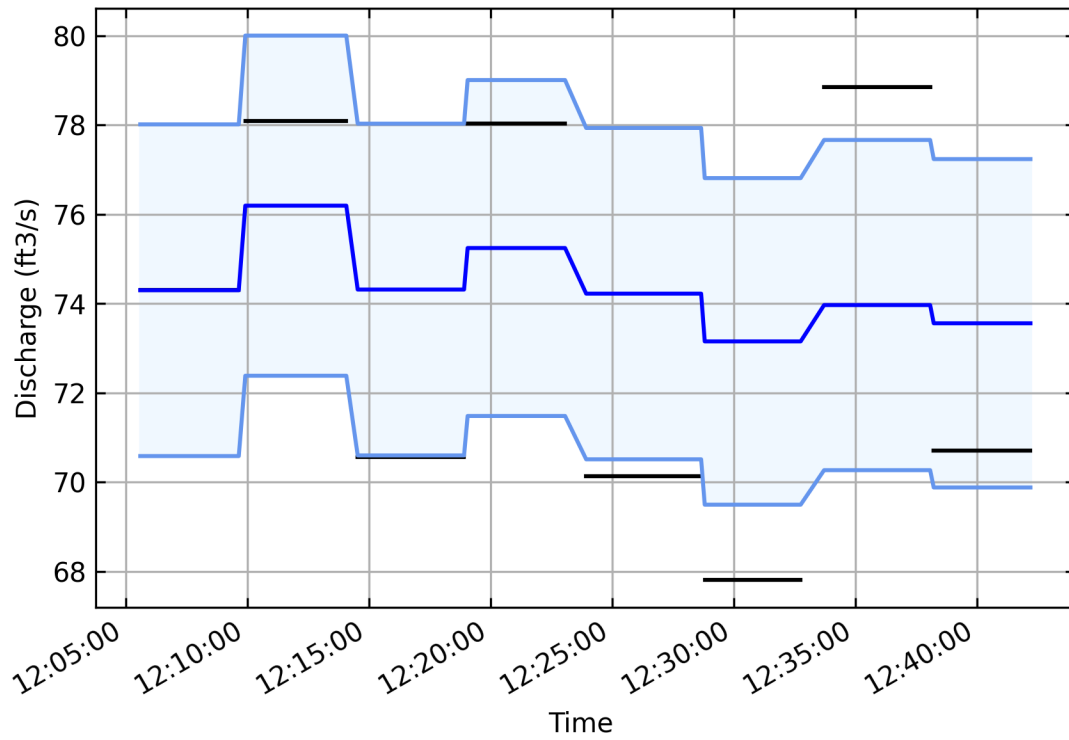
Measurement Number: 0

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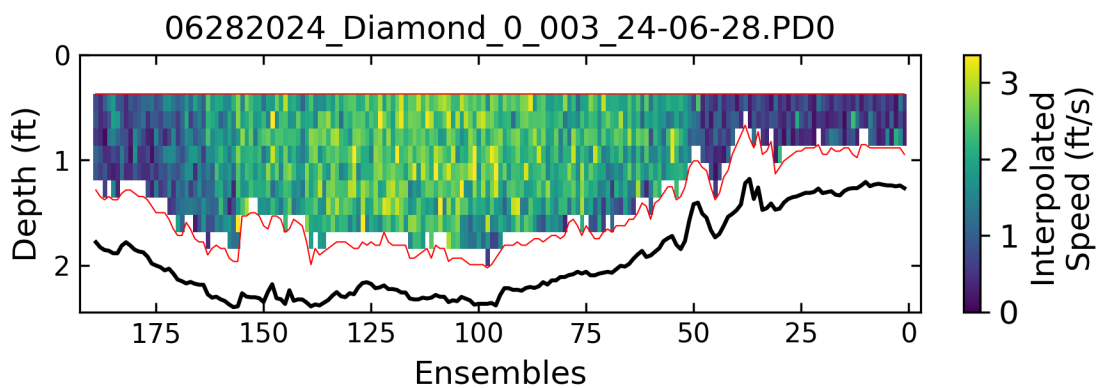
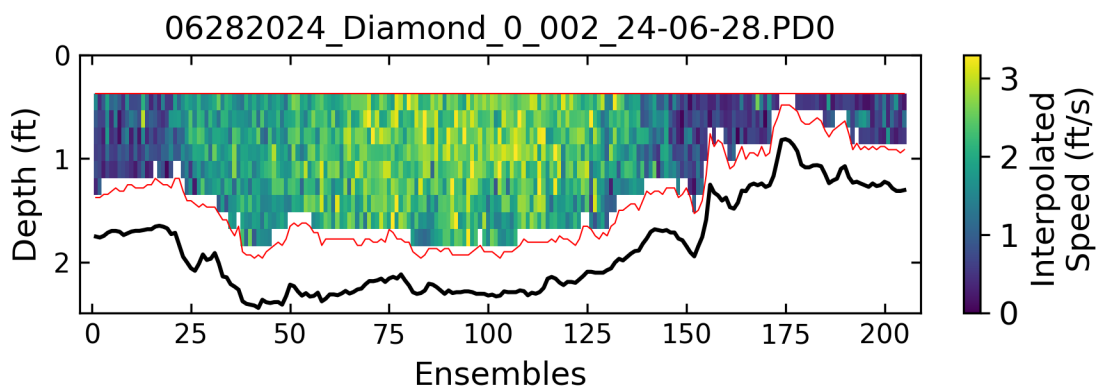
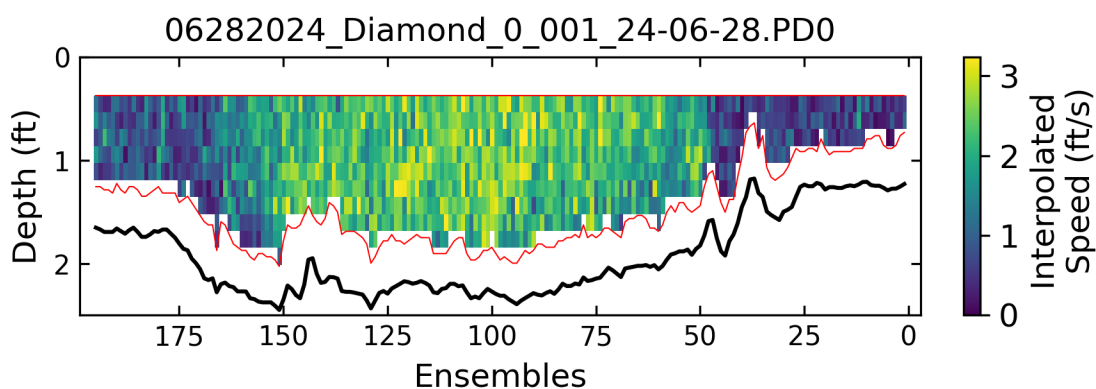
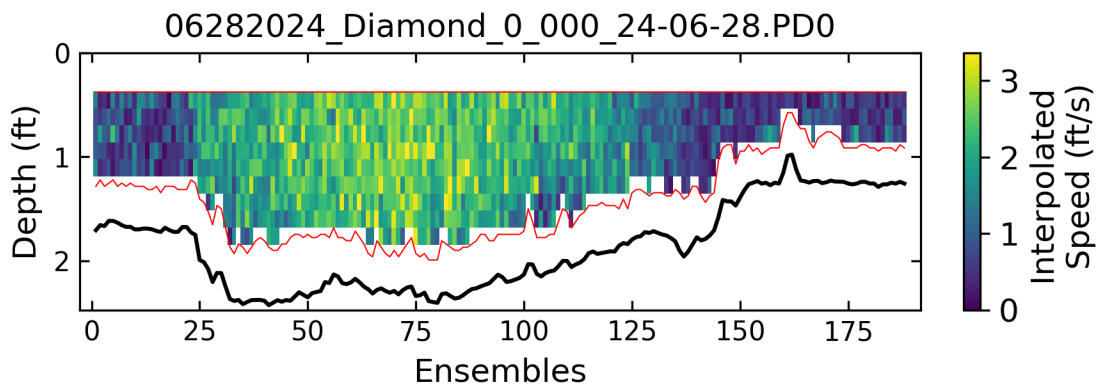
Measurement Number: 0

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Stage: 0.00

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