

Discharge Measurement Summary

Site name ECanal11
Site number 02
Operator(s) SWeber
File name EastCanal_20230911_1501.ft
Comment

| | | | |
|---------------------------------|-------------------|-------------------------------|-------------|
| Start time | 9/11/2023 3:01 PM | Sensor type | Top Setting |
| End time | 9/11/2023 3:38 PM | Handheld serial number | FT2H2219029 |
| Start location latitude | 42.809 | Probe serial number | FT2P2219014 |
| Start location longitude | -118.869 | Probe firmware | 1.30 |
| Calculations engine | FlowTracker2 | Handheld software | 1.7 |

| | | |
|-------------------|-------------------------|--|
| # Stations | Avg interval (s) | Total discharge (m³/s) |
| 25 | 40 | 0.4814 |

| | | |
|------------------------|-----------------------------------|-----------------------------|
| Total width (m) | Total area (m²) | Wetted Perimeter (m) |
| 3.719 | 1.42207 | 4.244 |

| | | |
|----------------------|-----------------------|----------------------------|
| Mean SNR (dB) | Mean depth (m) | Mean velocity (m/s) |
| 31 | 0.382 | 0.3385 |

| | | |
|-----------------------|----------------------|---------------------------|
| Mean temp (°C) | Max depth (m) | Max velocity (m/s) |
| 17.404 | 0.421 | 0.4917 |

| Discharge Uncertainty | | |
|-----------------------|------|------|
| Category | ISO | IVE |
| Accuracy | 1.0% | 1.0% |
| Depth | 0.1% | 1.7% |
| Velocity | 0.3% | 2.1% |
| Width | 0.1% | 0.1% |
| Method | 1.7% | |
| # Stations | 2.0% | |
| Overall | 2.8% | 2.9% |

| | |
|------------------------------|-------------|
| 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

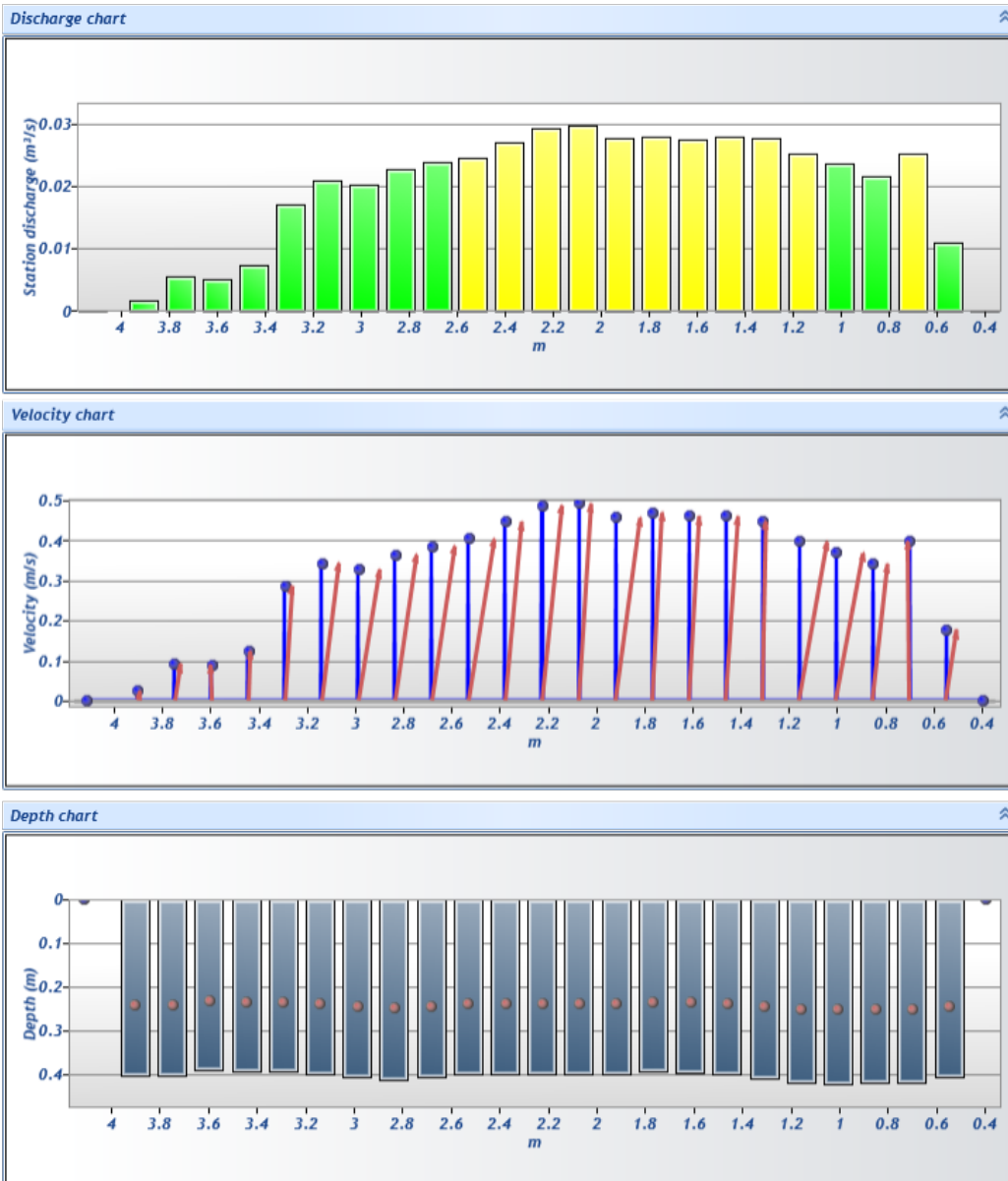
Station discharge < 5.00%

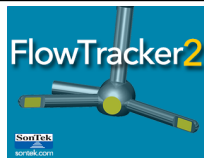
Station discharge caution

5.00% >= Station discharge < 10.00%

Station discharge warning

Station discharge >= 10.00%

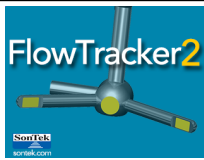




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| Measurement results | | | | | | | | | | | | | | | |
|---------------------|---------|--------------|--------|-----------|--------|--------------------|---------|----------------|------------|---------------------|-----------|-------------|------|---|--|
| St# | Time | Location (m) | Method | Depth (m) | %Depth | Measured Depth (m) | Samples | Velocity (m/s) | Correction | Mean Velocity (m/s) | Area (m²) | Flow (m³/s) | %Q | | |
| 0 | 3:01 PM | 0.396 | None | 0.000 | 0.0000 | 0.000 | 0 | 0.0000 | 1.0000 | 0.1770 | 0.00000 | 0.0000 | 0.00 | ✓ | |
| 1 | 3:02 PM | 0.549 | 0.6 | 0.405 | 0.6000 | 0.243 | 80 | 0.1770 | 1.0000 | 0.1770 | 0.06178 | 0.0109 | 2.27 | ✓ | |
| 2 | 3:05 PM | 0.701 | 0.6 | 0.418 | 0.6000 | 0.251 | 80 | 0.3972 | 1.0000 | 0.3972 | 0.06364 | 0.0253 | 5.25 | ✓ | |
| 3 | 3:07 PM | 0.853 | 0.6 | 0.418 | 0.6000 | 0.251 | 80 | 0.3420 | 1.0000 | 0.3420 | 0.06364 | 0.0218 | 4.52 | ✓ | |
| 4 | 3:08 PM | 1.006 | 0.6 | 0.421 | 0.6000 | 0.252 | 80 | 0.3680 | 1.0000 | 0.3680 | 0.06410 | 0.0236 | 4.90 | ✓ | |
| 5 | 3:10 PM | 1.158 | 0.6 | 0.418 | 0.6000 | 0.251 | 80 | 0.3962 | 1.0000 | 0.3962 | 0.06364 | 0.0252 | 5.24 | ✓ | |
| 6 | 3:11 PM | 1.311 | 0.6 | 0.408 | 0.6000 | 0.245 | 80 | 0.4473 | 1.0000 | 0.4473 | 0.06225 | 0.0278 | 5.78 | ✓ | |
| 7 | 3:13 PM | 1.463 | 0.6 | 0.399 | 0.6000 | 0.240 | 80 | 0.4601 | 1.0000 | 0.4601 | 0.06085 | 0.0280 | 5.82 | ✓ | |
| 8 | 3:14 PM | 1.615 | 0.6 | 0.393 | 0.6000 | 0.236 | 80 | 0.4610 | 1.0000 | 0.4610 | 0.05992 | 0.0276 | 5.74 | ✓ | |
| 9 | 3:16 PM | 1.768 | 0.6 | 0.390 | 0.6000 | 0.234 | 80 | 0.4692 | 1.0000 | 0.4692 | 0.05946 | 0.0279 | 5.79 | ✓ | |
| 10 | 3:18 PM | 1.920 | 0.6 | 0.399 | 0.6000 | 0.240 | 80 | 0.4565 | 1.0000 | 0.4565 | 0.06085 | 0.0278 | 5.77 | ✓ | |
| 11 | 3:19 PM | 2.073 | 0.6 | 0.396 | 0.6000 | 0.238 | 80 | 0.4917 | 1.0000 | 0.4917 | 0.06039 | 0.0297 | 6.17 | ✓ | |
| 12 | 3:21 PM | 2.225 | 0.6 | 0.396 | 0.6000 | 0.238 | 80 | 0.4870 | 1.0000 | 0.4870 | 0.06039 | 0.0294 | 6.11 | ✓ | |
| 13 | 3:22 PM | 2.377 | 0.6 | 0.396 | 0.6000 | 0.238 | 80 | 0.4471 | 1.0000 | 0.4471 | 0.06039 | 0.0270 | 5.61 | ✓ | |
| 14 | 3:24 PM | 2.530 | 0.6 | 0.399 | 0.6000 | 0.240 | 80 | 0.4032 | 1.0000 | 0.4032 | 0.06085 | 0.0245 | 5.10 | ✓ | |
| 15 | 3:25 PM | 2.682 | 0.6 | 0.405 | 0.6000 | 0.243 | 80 | 0.3854 | 1.0000 | 0.3854 | 0.06178 | 0.0238 | 4.95 | ✓ | |
| 16 | 3:27 PM | 2.835 | 0.6 | 0.411 | 0.6000 | 0.247 | 80 | 0.3639 | 1.0000 | 0.3639 | 0.06271 | 0.0228 | 4.74 | ✓ | |
| 17 | 3:28 PM | 2.987 | 0.6 | 0.405 | 0.6000 | 0.243 | 80 | 0.3280 | 1.0000 | 0.3280 | 0.06178 | 0.0203 | 4.21 | ✓ | |
| 18 | 3:30 PM | 3.139 | 0.6 | 0.399 | 0.6000 | 0.240 | 80 | 0.3431 | 1.0000 | 0.3431 | 0.06085 | 0.0209 | 4.34 | ✓ | |
| 19 | 3:31 PM | 3.292 | 0.6 | 0.390 | 0.6000 | 0.234 | 80 | 0.2865 | 1.0000 | 0.2865 | 0.05946 | 0.0170 | 3.54 | ✓ | |
| 20 | 3:33 PM | 3.444 | 0.6 | 0.390 | 0.6000 | 0.234 | 80 | 0.1235 | 1.0000 | 0.1235 | 0.05946 | 0.0073 | 1.53 | ✓ | |
| 21 | 3:34 PM | 3.597 | 0.6 | 0.387 | 0.6000 | 0.232 | 80 | 0.0896 | 1.0000 | 0.0896 | 0.05899 | 0.0053 | 1.10 | ✓ | |
| 22 | 3:35 PM | 3.749 | 0.6 | 0.402 | 0.6000 | 0.241 | 80 | 0.0921 | 1.0000 | 0.0921 | 0.06132 | 0.0056 | 1.17 | ✓ | |
| 23 | 3:37 PM | 3.901 | 0.6 | 0.402 | 0.6000 | 0.241 | 80 | 0.0235 | 1.0000 | 0.0235 | 0.07358 | 0.0017 | 0.36 | ✓ | |
| 24 | 3:38 PM | 4.115 | None | 0.000 | 0.0000 | 0.000 | 0 | 0.0000 | | 0.0235 | 0.00000 | 0.0000 | 0.00 | ✓ | |

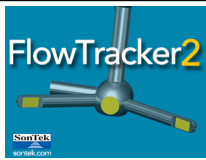


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| | |
|-------------|----------------------------|
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| Comment | |

| Quality Control Settings | |
|--------------------------|------------|
| Maximum depth change | 50.00% |
| Maximum spacing change | 100.00% |
| SNR threshold | 10 dB |
| Standard error threshold | 0.0100 m/s |
| Spike threshold | 10.00% |
| Maximum velocity angle | 20.0 deg |
| Maximum tilt angle | 5.0 deg |

| Quality control warnings | | | | | | | |
|--------------------------|---------|--------------|--------|-----------|--------|--------------------|------------------|
| St# | Time | Location (m) | Method | Depth (m) | %Depth | Measured Depth (m) | Warnings |
| 24 | 3:38 PM | 4.115 | None | 0.000 | 0.0000 | 0.000 | Water Depth > QC |



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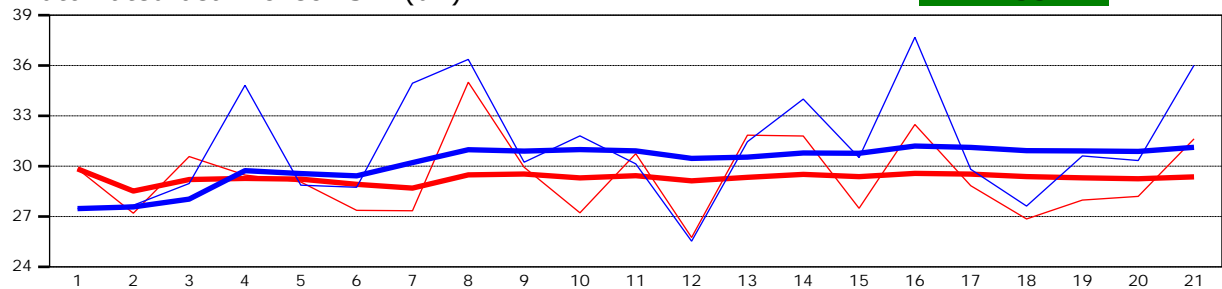
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| | |
|---------------|--|
| Beam 1 | |
| Beam 2 | |

Automated beam check Start time 9/11/2023 3:01:33 PM

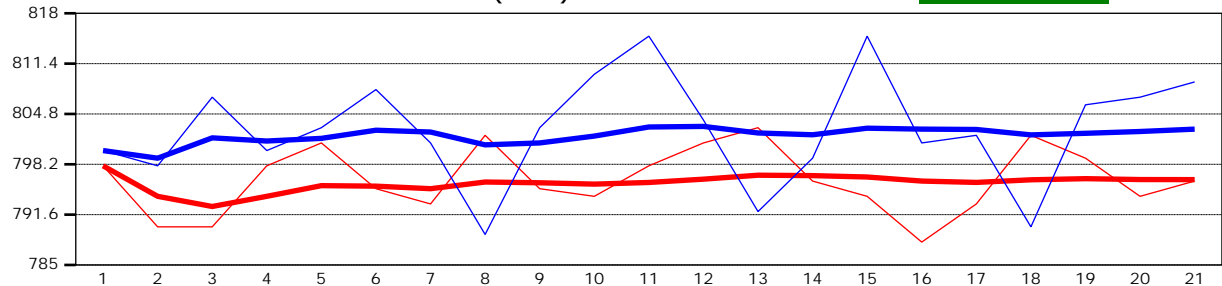
Automated beam check SNR(dB)

PASS



Automated beam check Noise level(cnts)

PASS



Automated beam check Quality control warnings

No quality control warnings



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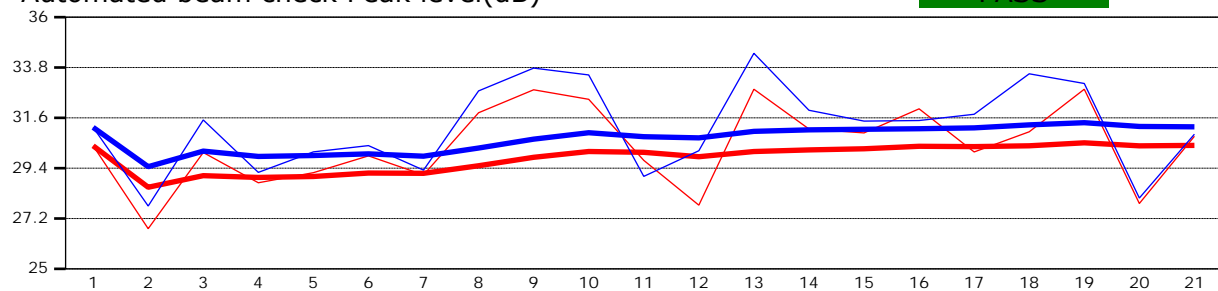
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| | |
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| Beam 1 | |
| Beam 2 | |

Automated beam check Start time 9/11/2023 3:01:33 PM

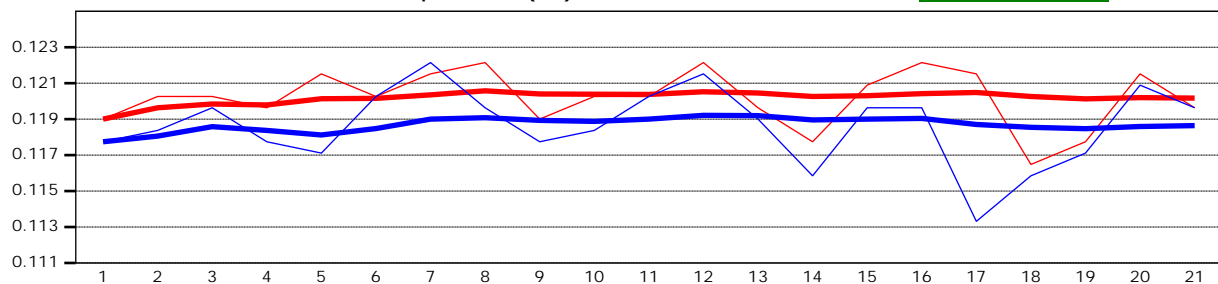
Automated beam check Peak level(dB)

PASS



Automated beam check Peak position(m)

PASS



Automated beam check Quality control warnings

No quality control warnings