

Overflow tests Belgian levees Annexes



Foto: Vilda-Yves Adams



Adaptation
to climate
change

Overflow tests on Belgian levees Annexes

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Authors:

Depreiter, D., Vercruysse, J., Verelst, K., Zomer, W., Koelewijn, A., Tsimopoulou, V., Peeters, P.

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INTERREG Polder2C's project

The INTERREG Polder2C's is an international research project within the framework of the updated Sigma-plan for the river Schelde. The Hedwige-Prosperpolder will be transformed into tidal nature. Depoldering of Hedwige-Prosperpolder offers a unique testing ground, the Living Lab Hedwige-Prosperpolder, for flood defence and emergency response experts. In this environment current and innovative techniques, processes, methods and products can be tested for practical validation. Thirteen project partners, led by the Dutch Foundation of Applied Water Research (STOWA) and the Flemish Department of Mobility and Public Works (DMOW, Flanders Hydraulics Research), are working together. Together, they aim to improve the 2 Seas regions' capacity to adapt to the challenges caused by climate change.

Flood Defence

The rising sea level is a serious threat to the countries in 2 Seas region. How strong are our current flood defences? What is the impact of environmental elements such as the weather, the presence of vegetation or man-made objects on our flood defences? To answer these questions numerous destructive field tests are carried out in the Living Lab to validate flood defence practices. The project entails in situ testing, guidance on levee maintenance and validation of flood defence infrastructure.

Emergency Response

We aim to improve emergency response by developing the right tools for inspection of water defences, risk evaluation and solutions for flooding. If our water defences do not operate as designed, we must take the right measures to prevent flooding of valuable areas. The Hedwige-Prosperpolder Living Lab offers unique possibilities to exercise emergency management in the event of calamities under controlled but realistic circumstances. Activities that are part of the programme are levee surveillance and monitoring, emergency response exercises, breach initiation and the large European exercise.

Knowledge Infrastructure

We aim to develop a knowledge infrastructure through which existing and new to be developed knowledge will become available and accessible. A necessary success factor for any initiative to improve knowledge is to have its outcomes integrated in practices of a wider community. Knowledge Infrastructure focuses therefore on the consolidation of knowledge acquired in the Living Lab with a variety of activities. Accessibility of data in a user-friendly manner, educational activities in the field and incorporation of knowledge in educational curricula are considered key elements.

Field Station

How can we make sure that both experts in the field and the local public benefit from our project and the learnings about climate change, flood resilience, emergency response and the unique environment of the Hedwige-Prosperpolder? An important and unique way of reaching this goal is realising a Field Station at the project site. It will be used during and after the project for educational purposes, research and as a special meeting place for exclusive occasions.

1 Introduction

Overflow tests on levees are designed to test the strength of levees and levee covers under the load of a continuously overflowing discharge of water. For this purpose, Flanders Hydraulics Research have designed and built an Overflow Generator (Vercruysse et al., 2022) within the framework of the Polder2C's project. This device allows to generate a controlled and homogenous discharge of water over the levee crest.

Within the Polder2C's project, 27 overflow tests on Belgian and Dutch levee stretches have been executed in 3 episodes from 30/10/20 to 28/11/20, 17/02/21 to 31/03/21 and 16/11/21 to 20/12/21. Different test goals have been addressed, to understand the normal performance of a levee cover, and the influence of different anomalies and/or deviations from the 'standard' levee.

This report bundles the annexes for the data report of the overflow tests executed on the Belgian part of the Hedwige-Propserpolder levees. The information shown herein pertains to the tests indicated by the striped box:

Name	Category
- B-OF01 Reference	Reference
- B-OF02 Short Grass + Artif. Anom	Alternative vegetation + Slope anomaly
- B-OF03 High Discharge	High Discharge
- B-OF04 Tree	Tree
- B-OF05 Erosion cliff	Slope anomaly
- B-OF05B/C Damage repair	Damage repair
- B-OF06 Clay Erosion	Clay Erosion
- B-OF07a,b Levee Challenge	Damage repair
- B-OF08 Reference	Reference
- B-OF09 High Discharge	High Discharge
- B-OF10 High Discharge	High Discharge
- B-OF11 Tree	Tree
- N-OF01 Reference	Reference
- N-OF02 Clay Erosion	Clay Erosion
- N-OF03 Reference	Reference
- N-OF04 Reference	Reference
- N-OF05 Burrow	Burrow
- N-OF05B Damage repair	Damage repair
- N-OF05C RTM	RTM
- N-OF06 RTM	RTM
- N-OF07 RTM	RTM
- N-OF08 Grass sods	RTM
- N-OF09 Burrow protection	Burrow protection
- N-OF10 Reed vegetation	Alternative vegetation
- N-OF11 Reed vegetation	Alternative vegetation

2 Other reports (references)

The reports related to the overflow tests are listed below.

Design, setup and validation of the monitoring data:

- Vercruysse, J., Depreiter, D., Verelst, K., Peeters, P. (2022). Design and application of an Overflow Generator for levee strength testing. WL Rapporten WL2022R20_047_1, Antwerp (Belgium).

Test results (factual data):

- **Depreiter, D., Vercruysse, J., Verelst, K., Lopez Castaño, S., Koelewijn, A., Zomer, W., Tsimopoulou, V., Peeters, P. (2022). Polder2C's Overflow tests on Belgian levees. WL Rapporten WL2022R20_047_2, Antwerp (Belgium). Main document + Annexes. [THIS REPORT]**
- Depreiter, D., Vercruysse, J., Verelst, K., Lopez Castaño, S., Koelewijn, A., Zomer, W., Tsimopoulou, V., Peeters, P. (2022). Polder2C's Overflow tests on Dutch levees. WL Rapporten WL2022R20_047_2, Antwerp (Belgium). Main document + Annexes.

Integration and comparison of results:

- Depreiter, D., Vercruysse, J., Verelst, K., Lopez Castaño, S., Koelewijn, A., Zomer, W., Tsimopoulou, V., Peeters, P. (2022). Polder2C's Overflow and overtopping) test integration report. WL Rapporten WL2022R20_047_4, Antwerp (Belgium). Main document + Annexes.

A more extensive reference list is given in the main report.

Annex A - B-OF01 Reference

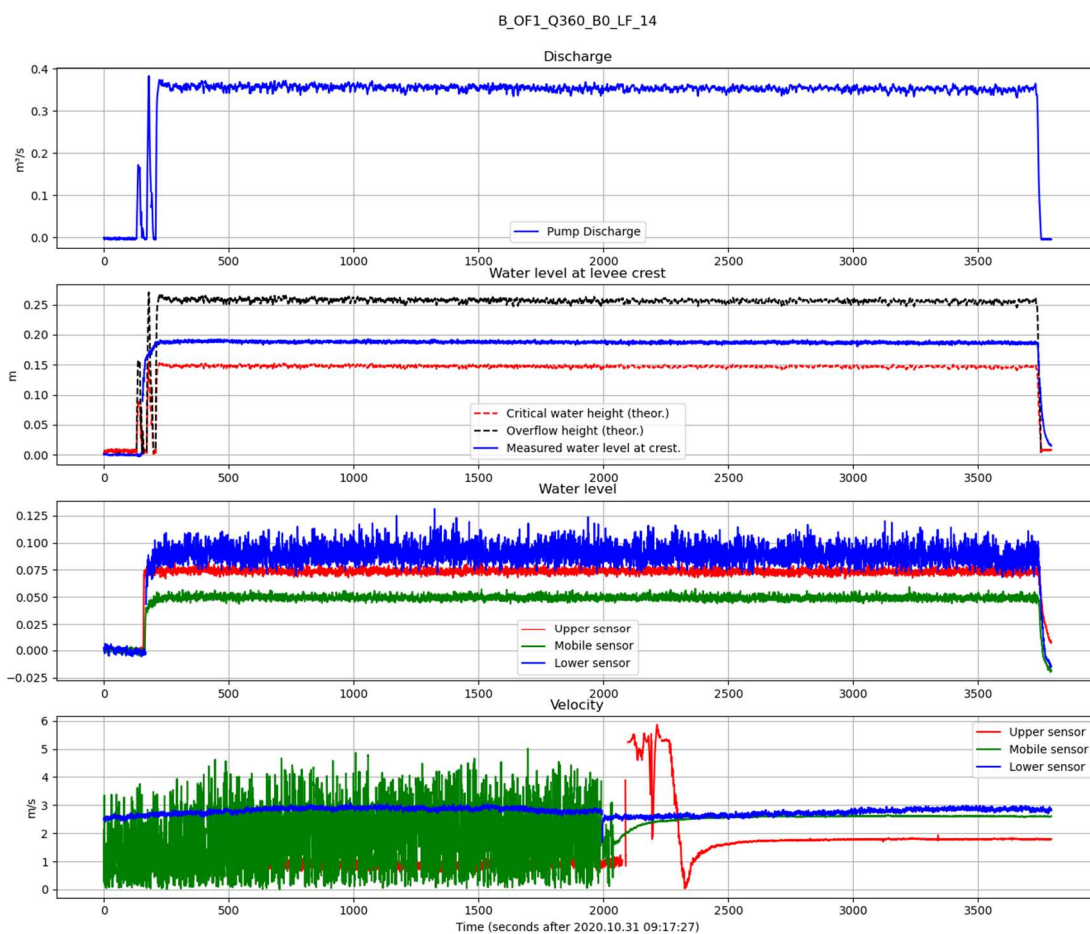
The following timeseries details are reproduced in this section:

A.1 B-OF01: Block 0	3
A.2 B-OF01: Block 2	4
A.3 B-OF01: Block 1 (numbering restarted)	5
A.4 B-OF01: Block 2 (LF_24)	6
A.5 B-OF01: Block 3	7
A.6 B-OF01: Block 4	8
A.7 B-OF01: Block 5	9
A.8 B-OF01: Block 6 (wrongly numbered as 5)	10
A.9 B-OF01: Block 7	11
A.10 B-OF01: Block 8	12
A.11 B-OF01: Block 9	13
A.12 B-OF01: Block 10	14
A.13 B-OF01: Block 11	15
A.14 B-OF01: Block 12	16
A.15 B-OF01: Block 13 (wrongly numbered as 12)	17
A.16 B-OF01: Block 14	18
A.17 B-OF01: Block 15	19
A.18 B-OF01: Block 16	20
A.19 B-OF01: Block 17	21

In the original logbook, a block 18 is mentioned, apparently without data recording.

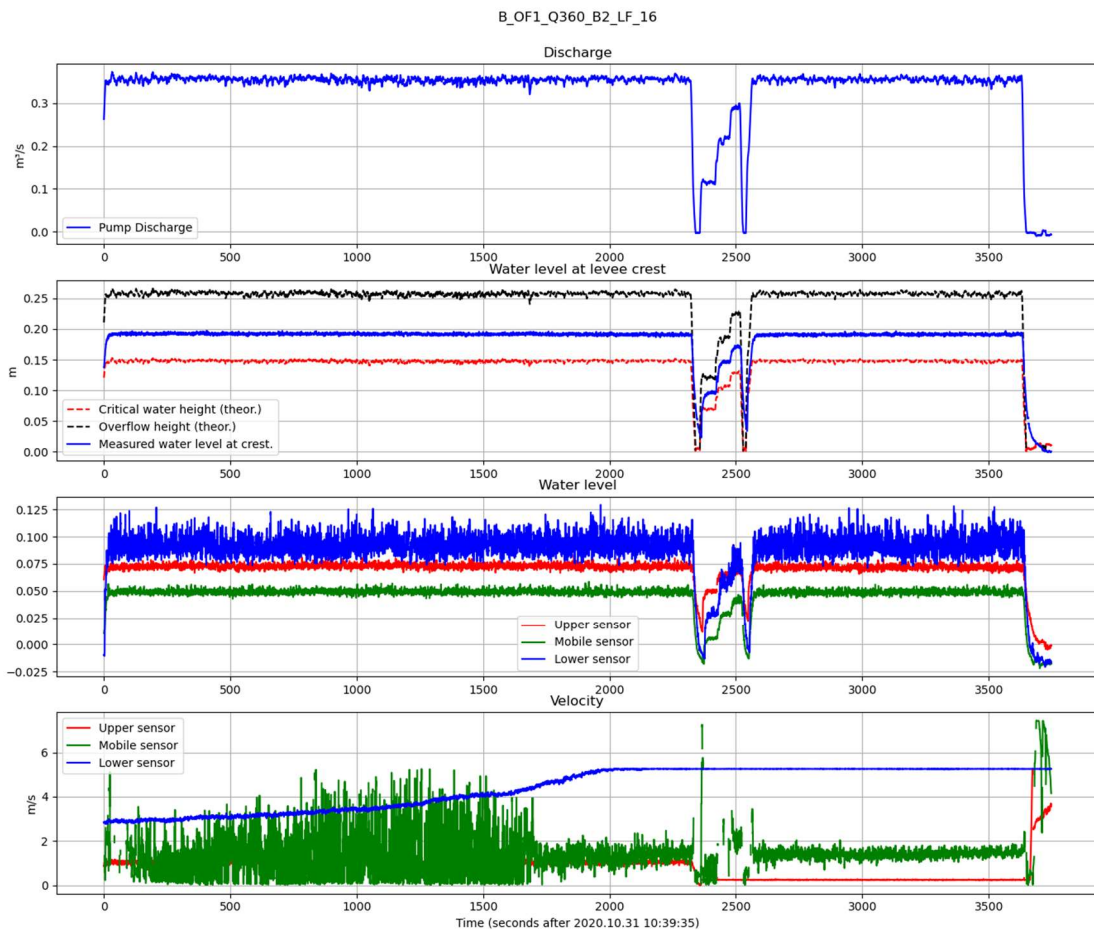
A.1 B-OF01: Block 0

Start – stop	31/10/2020 10:20				
Stop	31/10/2020 11:20				
Duration	60 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/sec				
Notes	- No data acquisition on 30/10/20 (LF_12 file id) (40 minutes) - Crest height manually measured at 19.6 cm left, 19.4 cm right. - Current meter installation still in progress.				
Statistics	Calculated from t=98 to 3473 sec (n=33747).				
series	Min	max	mean	std	Unit
DISCHARGE	0.332	0.373	0.354	0.006	m³/s
WH_CREST	0.180	0.193	0.187	0.001	m
WH_UPPER	0.067	0.084	0.074	0.002	m
WH_MOBILE	0.044	0.059	0.049	0.002	m
WH_LOWER	0.068	0.131	0.090	0.007	m
WH_MOBILE	0.03	5.86	1.46	0.93	m
VXY_UPPER	0.01	5.01	2.23	0.75	m/s
VXY_LOWER	1.69	3.08	2.79	0.12	m/s



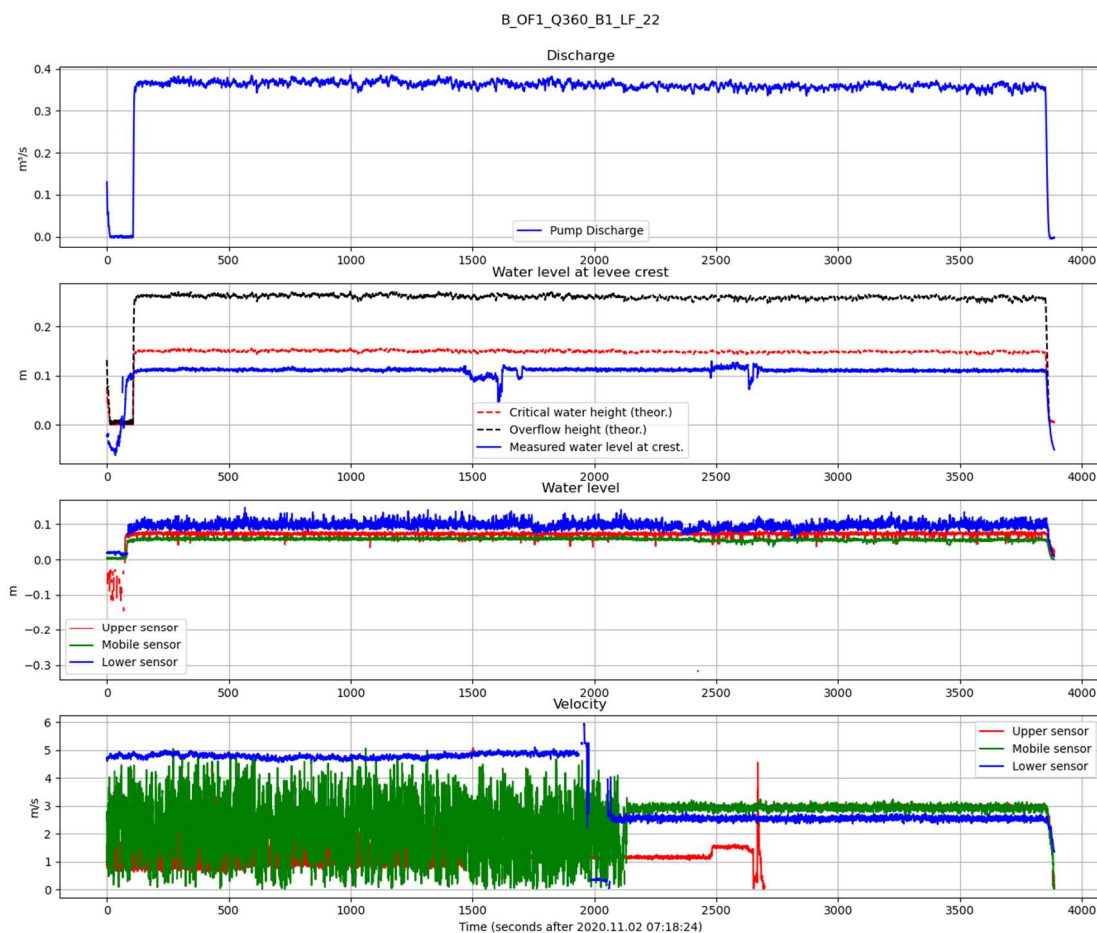
A.2 B-OF01: Block 2

Start	31/10/20 11:39					
Stop	31/10/20 12:40					
Duration	61 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s and see §3.3.3 for more information on Q-H relation.					
Notes	- Discharge variations applied, see §3.3.3. - Manual water level at crest 19.2 cm - Velocity data not reliable.					
Statistics	Calculated from 22 to 2308 seconds (n=22866).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.321	0.373	0.355	0.006	m³/s
	WH_CREST	0.186	0.197	0.192	0.001	m
	WH_UPPER	0.067	0.084	0.073	0.002	m
	WH_LOWER	0.043	0.058	0.049	0.002	m
	WH_MOBILE	0.073	0.129	0.092	0.008	m
	VXY_UPPER	0.82	1.20	1.05	0.05	m/s
	VXY_MOBILE	0.00	5.25	1.38	0.84	m/s
	VXY_LOWER	2.79	5.27	3.87	0.82	m/s



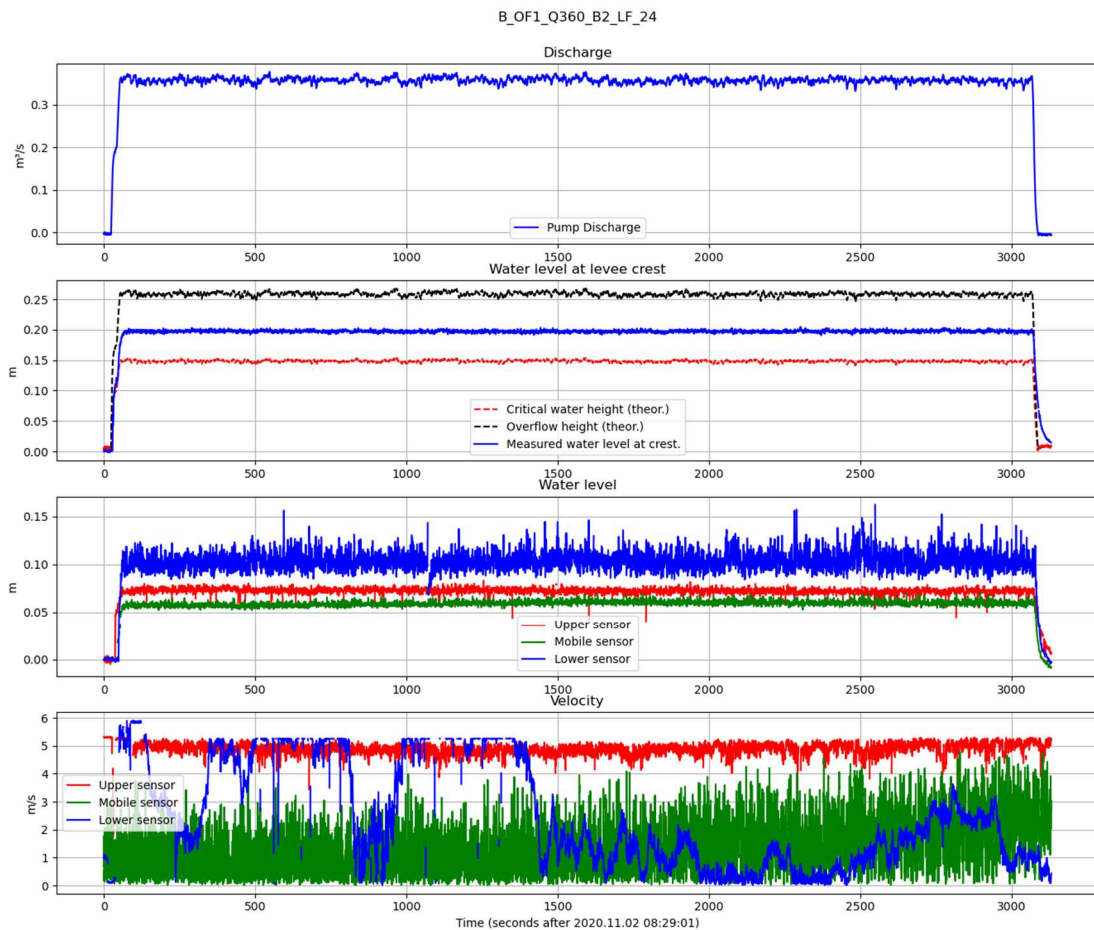
A.3 B-OF01: Block 1 (numbering restarted)

Start	2/11/20 8:04					
Stop	2/11/20 9:22					
Duration	1 hour 18 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s					
Notes	- Block numbering restarted. - First minutes of data not recorded					
Statistics	Calculated from 164 to 3753 seconds (n=35890).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.336	0.385	0.362	0.008	m³/s
	WH_CREST	0.043	0.130	0.111	0.005	m
	WH_UPPER	0.035	0.082	0.072	0.004	m
	WH_LOWER	-0.317	0.068	0.057	0.004	m
	WH_MOBILE	0.061	0.146	0.097	0.009	m
	VXY_UPPER	0.01	5.07	1.75	0.85	m/s
	VXY_MOBILE	0.01	5.06	2.53	0.79	m/s
	VXY_LOWER	0.03	5.94	3.65	1.20	m/s



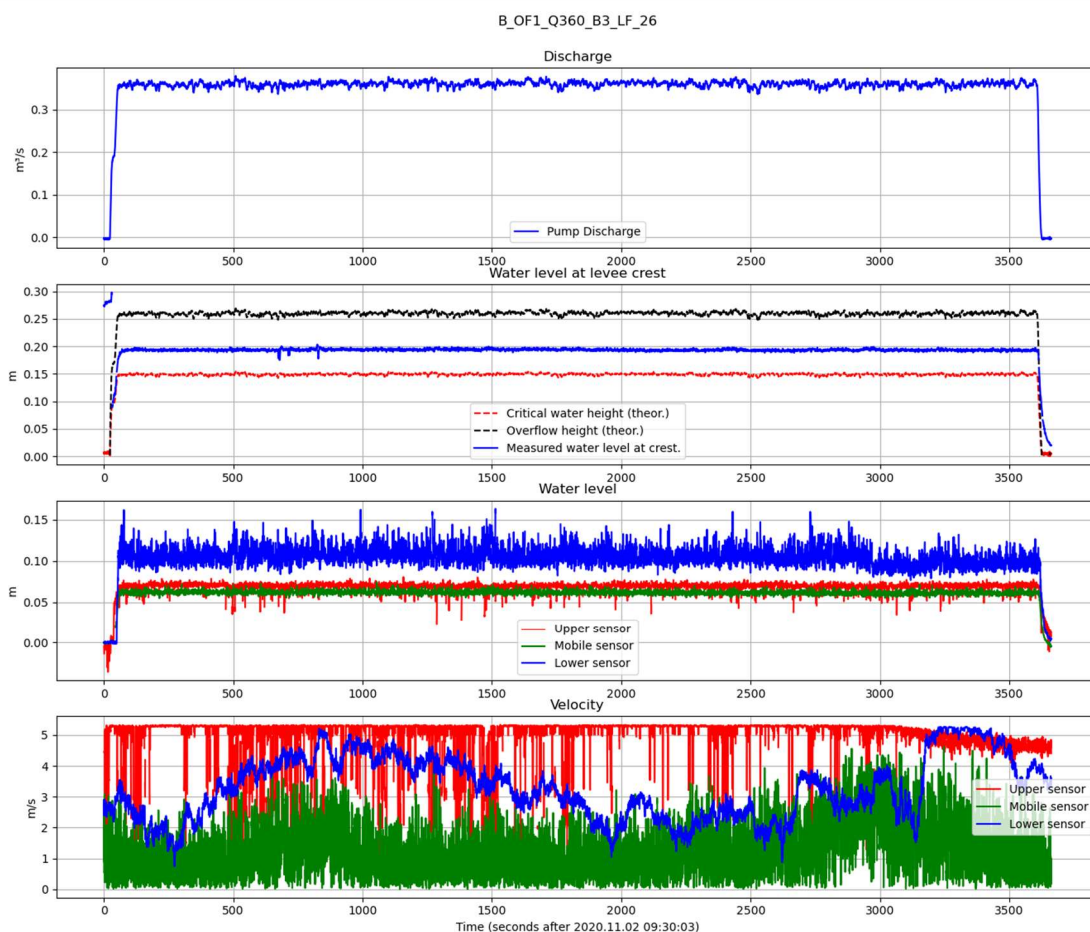
A.4 B-OF01: Block 2 (LF_24)

Start	2/11/20 9:29					
Stop	2/11/20 10:20					
Duration	51 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s					
Notes						
Statistics	Calculated from 104 to 3020 seconds (n=29160).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.332	0.377	0.358	0.006	m³/s
	WH_CREST	0.191	0.205	0.197	0.002	m
	WH_UPPER	0.041	0.083	0.073	0.003	m
	WH_LOWER	0.052	0.070	0.059	0.002	m
	WH_MOBILE	0.068	0.162	0.103	0.009	m
	VXY_UPPER	1.28	5.30	4.89	0.18	m/s
	VXY_MOBILE	0.01	4.79	1.35	0.86	m/s
	VXY_LOWER	0.01	5.90	2.30	1.74	m/s



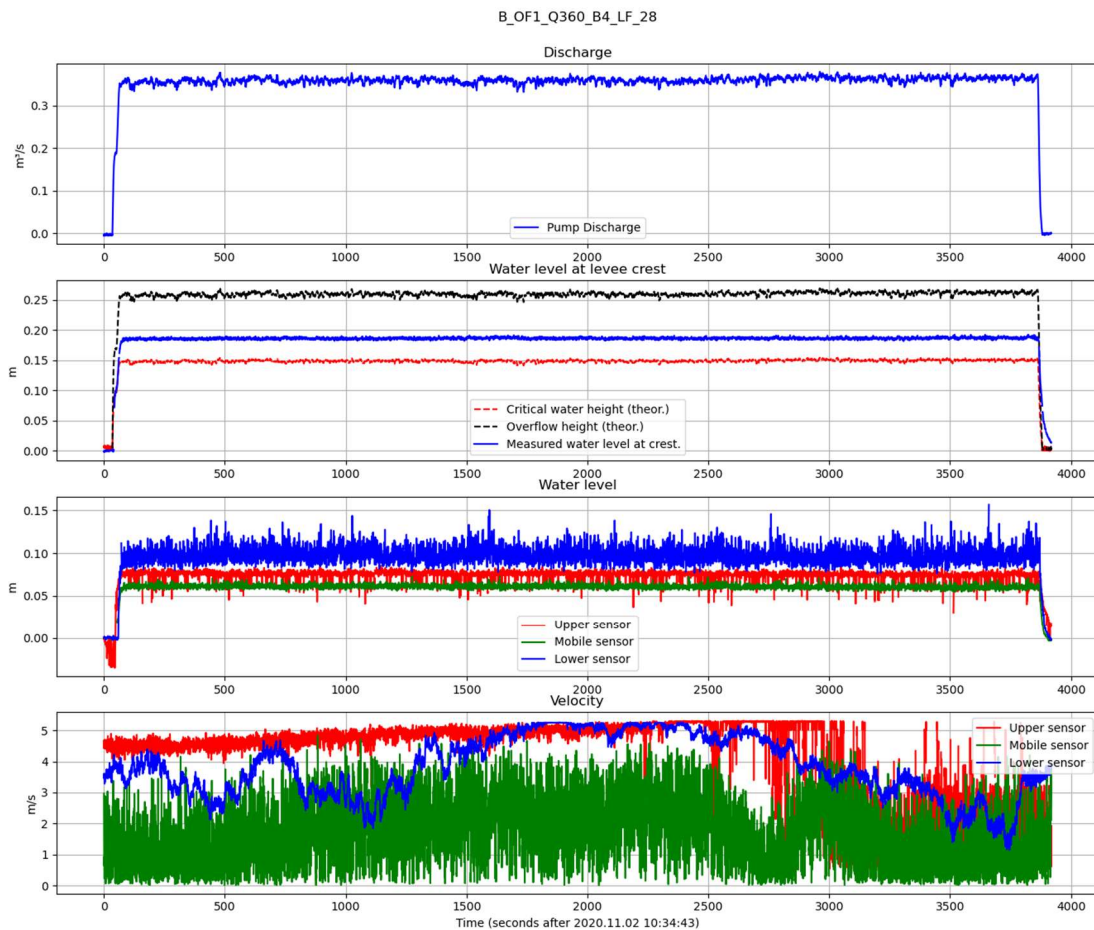
A.5 B-OF01: Block 3

Start	2/11/20 10:30				
Stop	2/11/20 11:30				
Duration	60 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/s				
Notes	-				
Statistics	Calculated from 166 to 3562 seconds (n=33962).				
series	Min	max	mean	std	Unit
DISCHARGE	0.336	0.380	0.360	0.006	m³/s
WH_CREST	0.175	0.203	0.194	0.002	m
WH_UPPER	0.024	0.080	0.069	0.004	m
WH_LOWER	0.055	0.075	0.062	0.002	m
WH_MOBILE	0.077	0.163	0.106	0.010	m
VXY_UPPER	0.59	5.34	4.95	0.79	m/s
VXY_MOBILE	0.00	4.63	1.29	0.82	m/s
VXY_LOWER	0.75	5.26	3.31	1.03	m/s



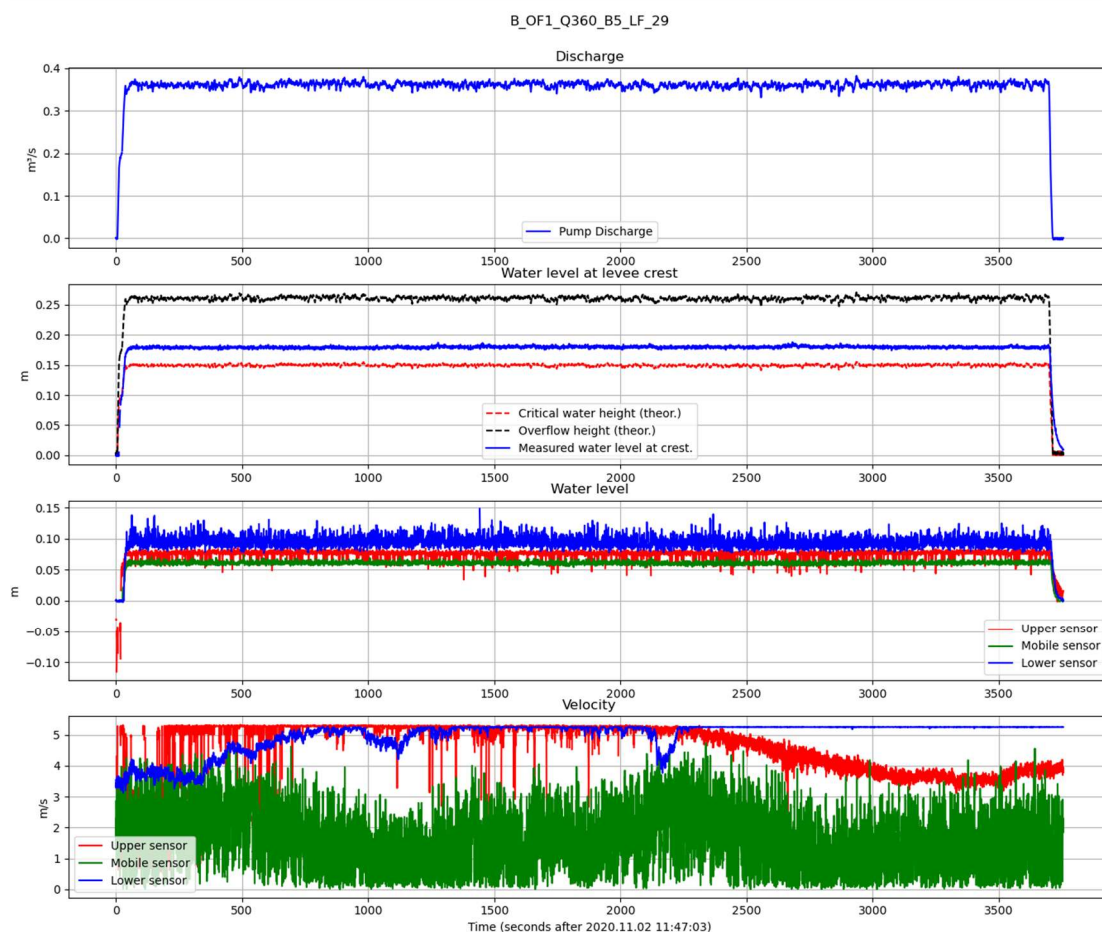
A.6 B-OF01: Block 4

Start	2/11/20 11:35					
Stop	2/11/20 12:39					
Duration	1 hour 4 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s					
Notes	-					
Statistics	Calculated from 103 to 3304 seconds (n=37017).					
series	Min	max	mean	std	Unit	
DISCHARGE	0.332	0.379	0.360	0.007	m³/s	
WH_CREST	0.182	0.192	0.186	0.001	m	
WH_UPPER	0.030	0.086	0.075	0.005	m	
WH_LOWER	0.054	0.073	0.061	0.002	m	
WH_MOBILE	0.076	0.156	0.098	0.009	m	
VXY_UPPER	0.49	5.32	4.36	1.26	m/s	
VXY_MOBILE	0.01	4.84	1.78	0.97	m/s	
VXY_LOWER	1.15	5.26	3.87	1.00	m/s	



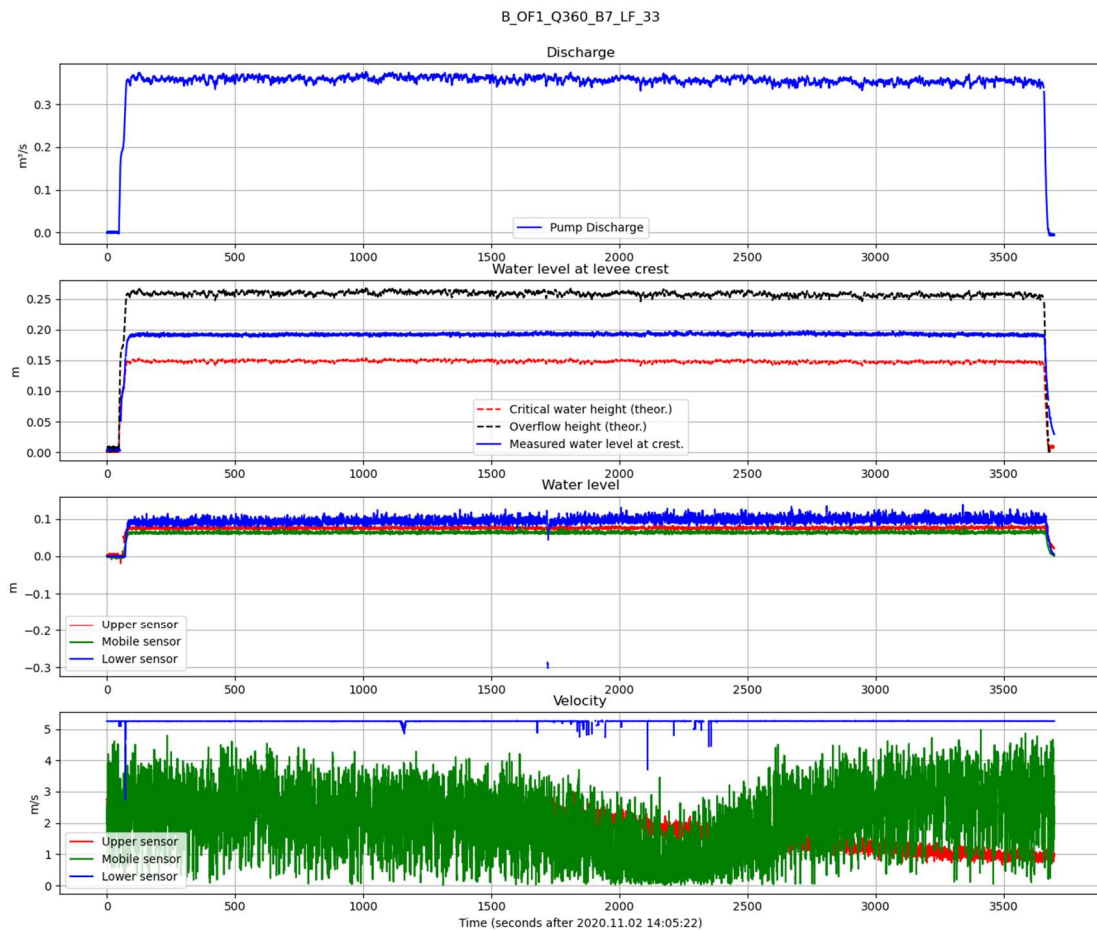
A.7 B-OF01: Block 5

Start	02/11/20 12:47				
Stop	02/11/20 13:49				
Duration	1 hour 2 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/s				
Notes	-				
Statistics	Calculated from 83 to 3660 seconds (n=35776).				
series	Min	max	mean	std	Unit
DISCHARGE	0.331	0.382	0.362	0.006	m³/s
WH_CREST	0.174	0.188	0.179	0.002	m
WH_UPPER	0.034	0.086	0.076	0.005	m
WH_LOWER	0.053	0.074	0.061	0.002	m
WH_MOBILE	0.077	0.148	0.095	0.008	m
VXY_UPPER	0.57	5.33	4.65	0.77	m/s
VXY_MOBILE	0.01	4.73	1.59	0.90	m/s
VXY_LOWER	3.26	5.27	4.99	0.47	m/s



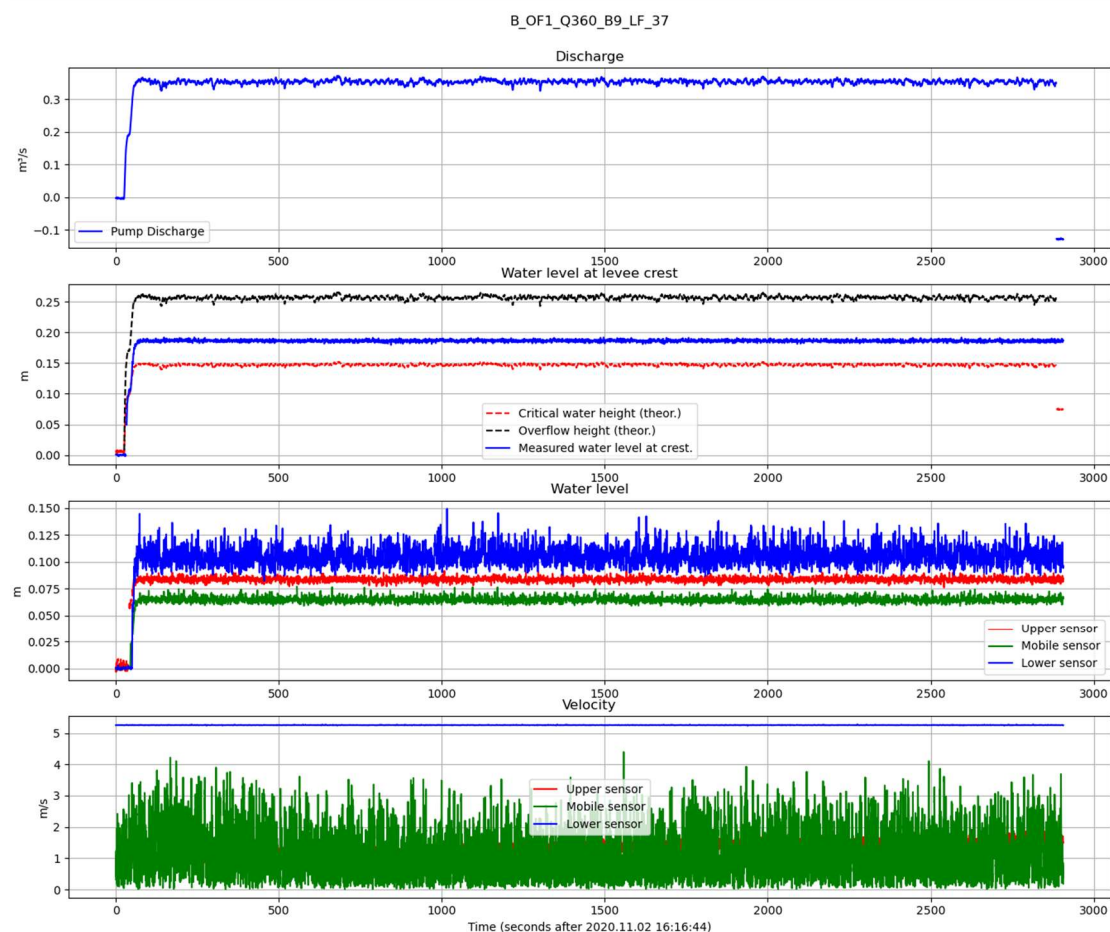
A.9 B-OF01: Block 7

Start	02/11/20 15:06					
Stop	02/11/20 16:06					
Duration	60 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s					
Notes	-					
Statistics	Calculated from 138 to 3597 seconds (n=34593).					
series	Min	max	mean	std	Unit	
DISCHARGE	0.332	0.376	0.357	0.007	m³/s	
WH_CREST	0.187	0.198	0.192	0.002	m	
WH_UPPER	0.059	0.084	0.076	0.002	m	
WH_LOWER	0.057	0.077	0.064	0.002	m	
WH_MOBILE	-0.301	0.138	0.096	0.011	m	
VXY_UPPER	0.64	3.28	1.91	0.56	m/s	
VXY_MOBILE	0.01	4.98	2.09	0.96	m/s	
VXY_LOWER	2.42	5.27	5.25	0.03	m/s	



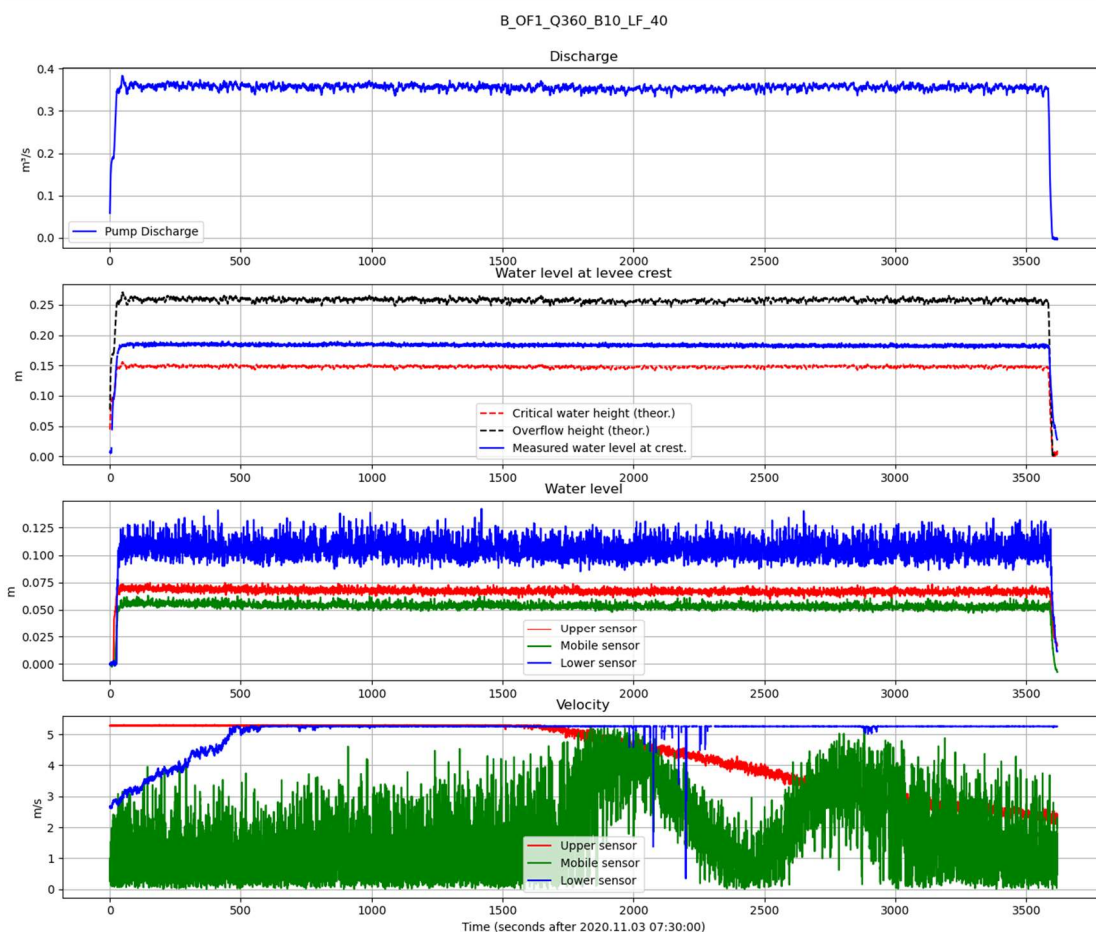
A.11 B-OF01: Block 9

Start	02/11/20 17:17					
Stop	02/11/20 18:17					
Duration	60 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s					
Notes	-					
Statistics	Calculated from 97 to 2865 seconds (n=27692).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.326	0.372	0.354	0.006	m³/s
	WH_CREST	0.180	0.192	0.186	0.002	m
	WH_UPPER	0.076	0.092	0.084	0.002	m
	WH_LOWER	0.059	0.077	0.065	0.002	m
	WH_MOBILE	0.082	0.149	0.105	0.008	m
	VXY_UPPER	0.74	1.92	1.33	0.21	m/s
	VXY_MOBILE	0.01	4.40	1.14	0.71	m/s
	VXY_LOWER	5.24	5.27	5.26	0.00	m/s



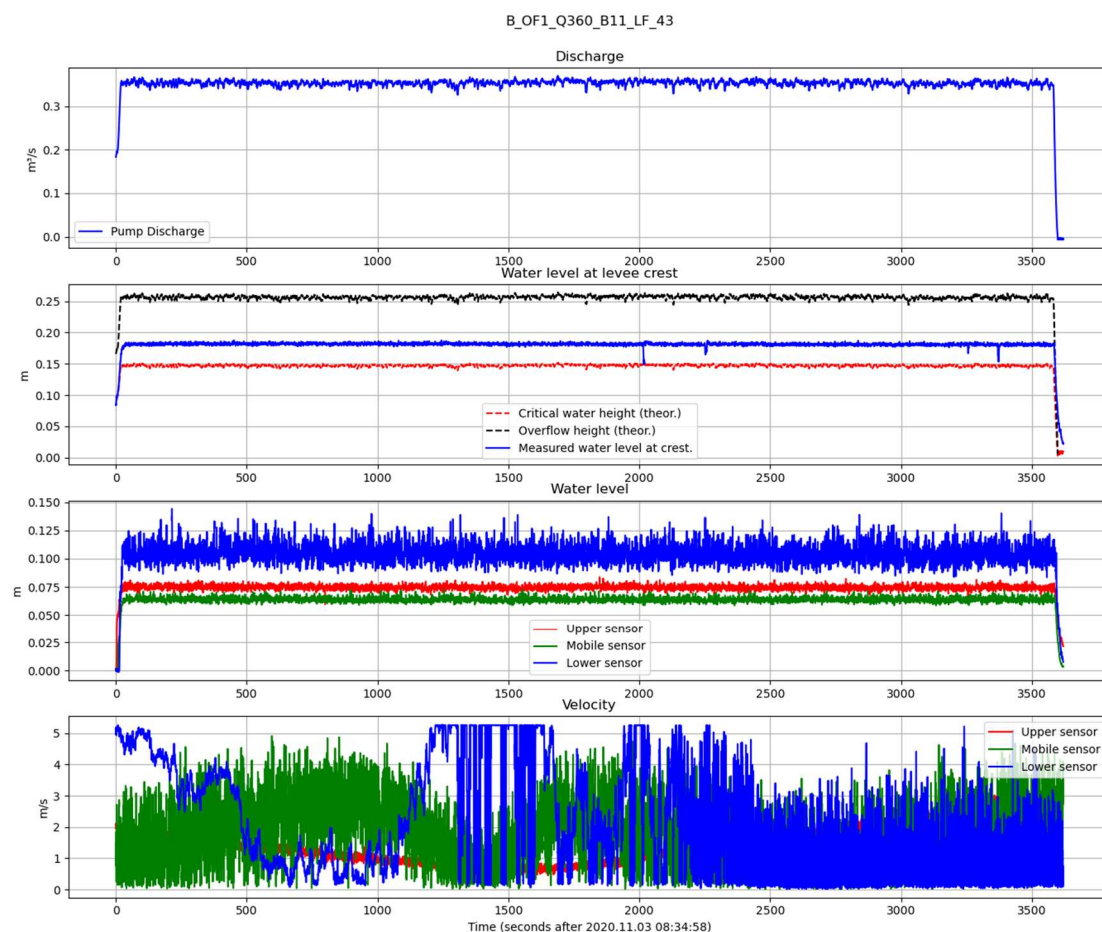
A.12 B-OF01: Block 10

Start	03/11/20 8:28				
Stop	03/11/20 9:30				
Duration	1 hour 2 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/s				
Notes	-				
Statistics	Calculated from 69 to 3556 seconds (n=34879).				
series	Min	max	mean	std	Unit
DISCHARGE	0.333	0.374	0.356	0.006	m³/s
WH_CREST	0.178	0.190	0.183	0.002	m
WH_UPPER	0.060	0.075	0.067	0.002	m
WH_LOWER	0.047	0.063	0.054	0.002	m
WH_MOBILE	0.085	0.142	0.106	0.008	m
VXY_UPPER	2.12	5.31	4.42	1.03	m/s
VXY_MOBILE	0.00	5.28	1.80	1.20	m/s
VXY_LOWER	0.35	5.28	5.10	0.45	m/s



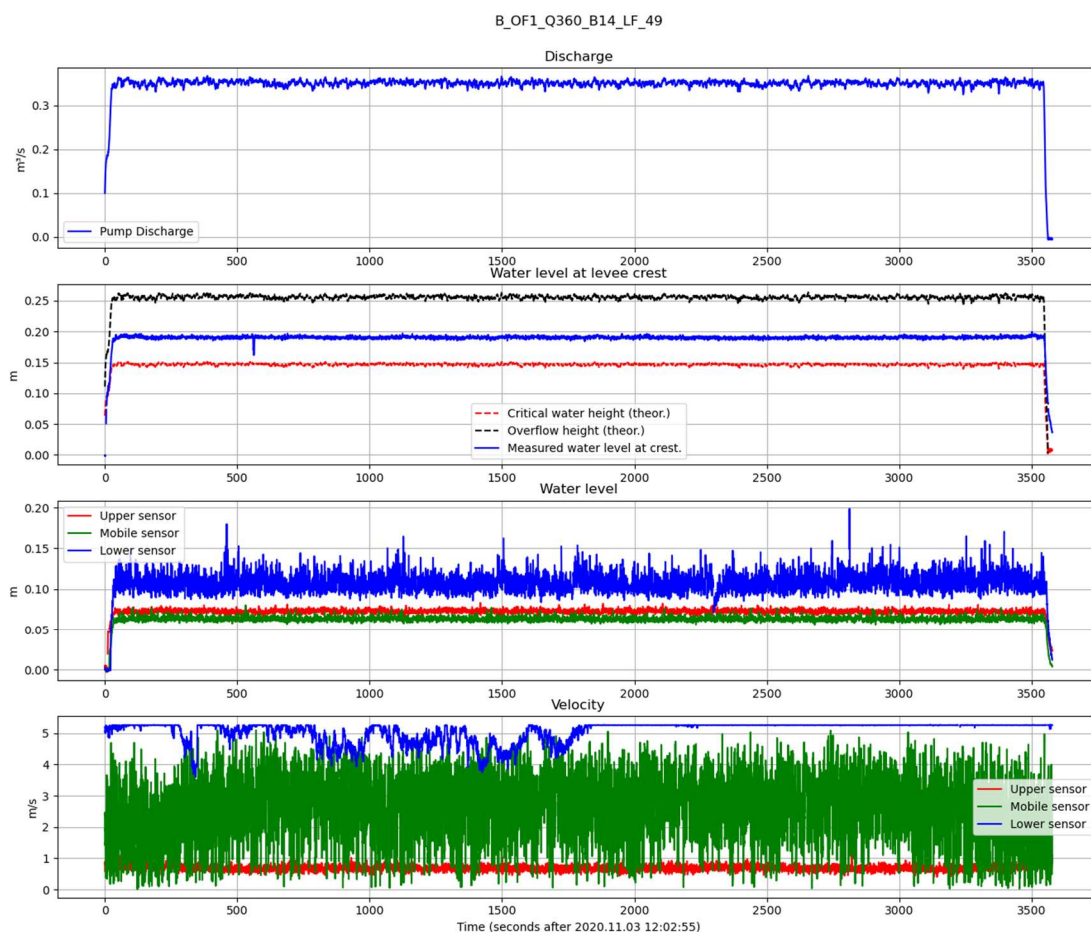
A.13 B-OF01: Block 11

Start	03/11/20 9:34				
Stop	03/11/20 10:34				
Duration	60 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/s				
Notes	-				
Statistics	Calculated from 65 to 3525 seconds (n=34597).				
series	Min	max	mean	std	Unit
DISCHARGE	0.326	0.370	0.353	0.006	m³/s
WH_CREST	0.149	0.188	0.181	0.002	m
WH_UPPER	0.060	0.084	0.075	0.002	m
WH_LOWER	0.058	0.073	0.064	0.002	m
WH_MOBILE	0.084	0.144	0.105	0.008	m
VXY_UPPER	0.44	3.20	1.47	0.63	m/s
VXY_MOBILE	0.01	4.91	1.77	0.99	m/s
VXY_LOWER	0.01	5.27	2.16	1.66	m/s



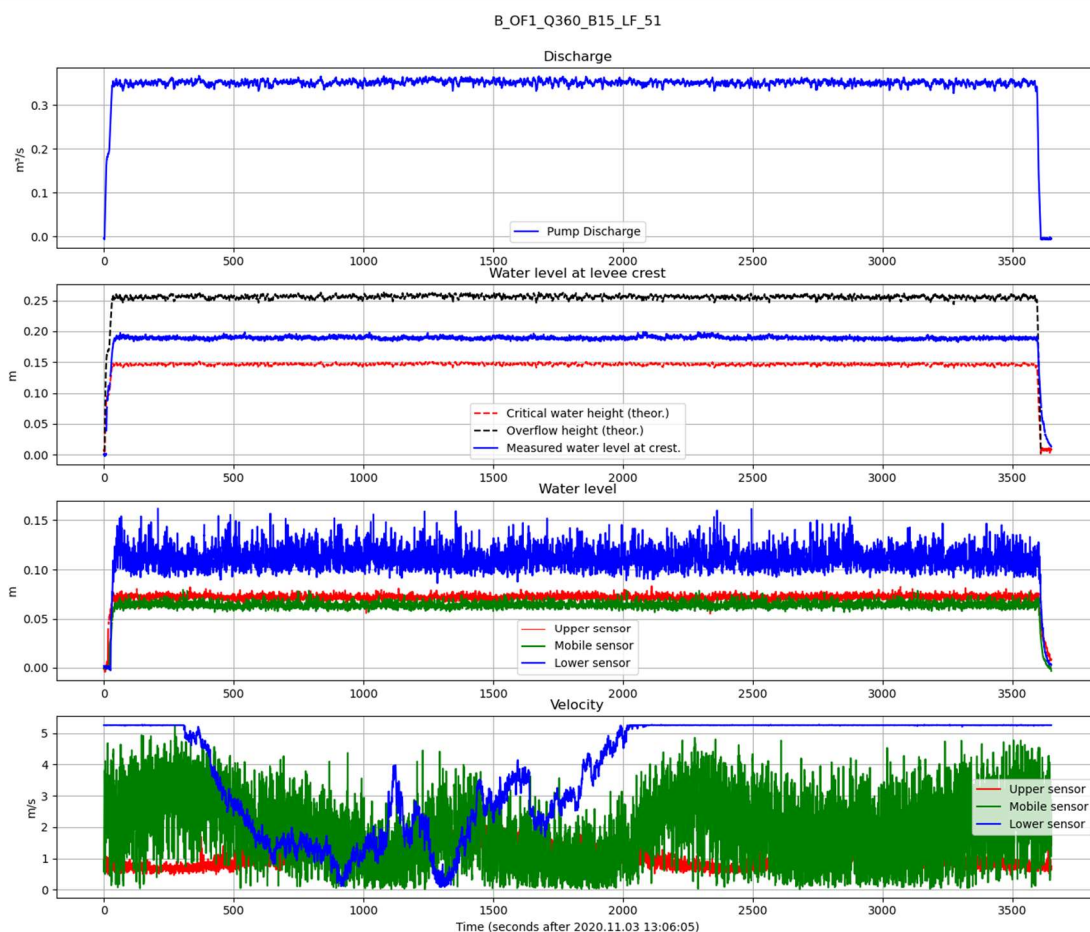
A.16 B-OF01: Block 14

Start	03/11/20 13:02				
Stop	03/11/20 14:02				
Duration	1 hour				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/s				
Notes	-				
Statistics	Calculated from 75 to 3498 seconds (n=34233).				
series	Min	max	mean	std	Unit
DISCHARGE	0.325	0.368	0.352	0.005	m³/s
WH_CREST	0.162	0.197	0.190	0.002	m
WH_UPPER	0.059	0.083	0.073	0.002	m
WH_LOWER	0.056	0.080	0.063	0.002	m
WH_MOBILE	0.071	0.198	0.108	0.010	m
VXY_UPPER	0.41	1.33	0.69	0.08	m/s
VXY_MOBILE	0.01	5.09	2.64	0.97	m/s
VXY_LOWER	3.60	5.27	5.06	0.32	m/s



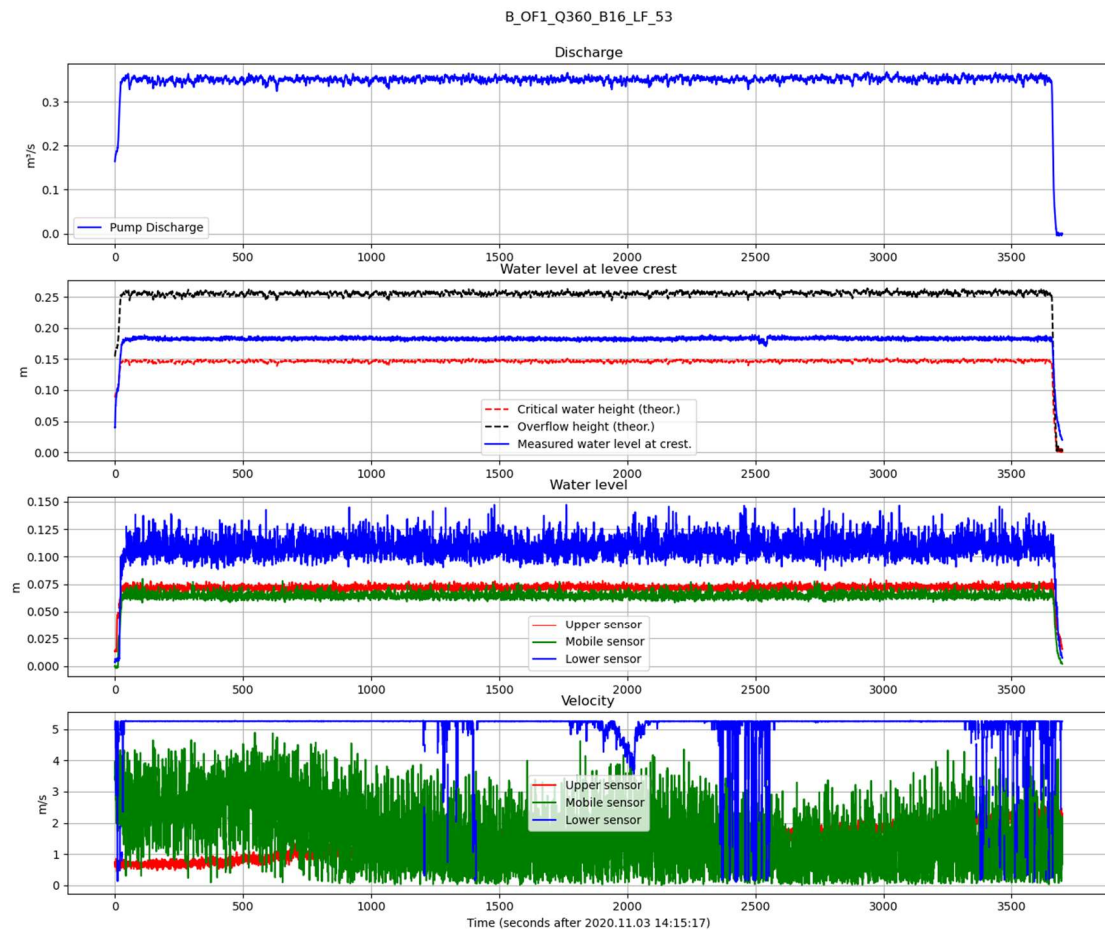
A.17 B-OF01: Block 15

Start	03/11/20 14:06				
Stop	03/11/20 15:06				
Duration	1 hour				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/s				
Notes	-				
Statistics	Calculated from 77 to 3546 seconds (n=34692).				
series	Min	max	mean	std	Unit
DISCHARGE	0.328	0.367	0.352	0.005	m³/s
WH_CREST	0.182	0.199	0.189	0.002	m
WH_UPPER	0.055	0.083	0.072	0.002	m
WH_LOWER	0.057	0.079	0.064	0.003	m
WH_MOBILE	0.086	0.161	0.112	0.010	m
VXY_UPPER	0.44	2.26	1.05	0.30	m/s
VXY_MOBILE	0.01	5.23	1.88	1.01	m/s
VXY_LOWER	0.09	5.27	3.87	1.67	m/s



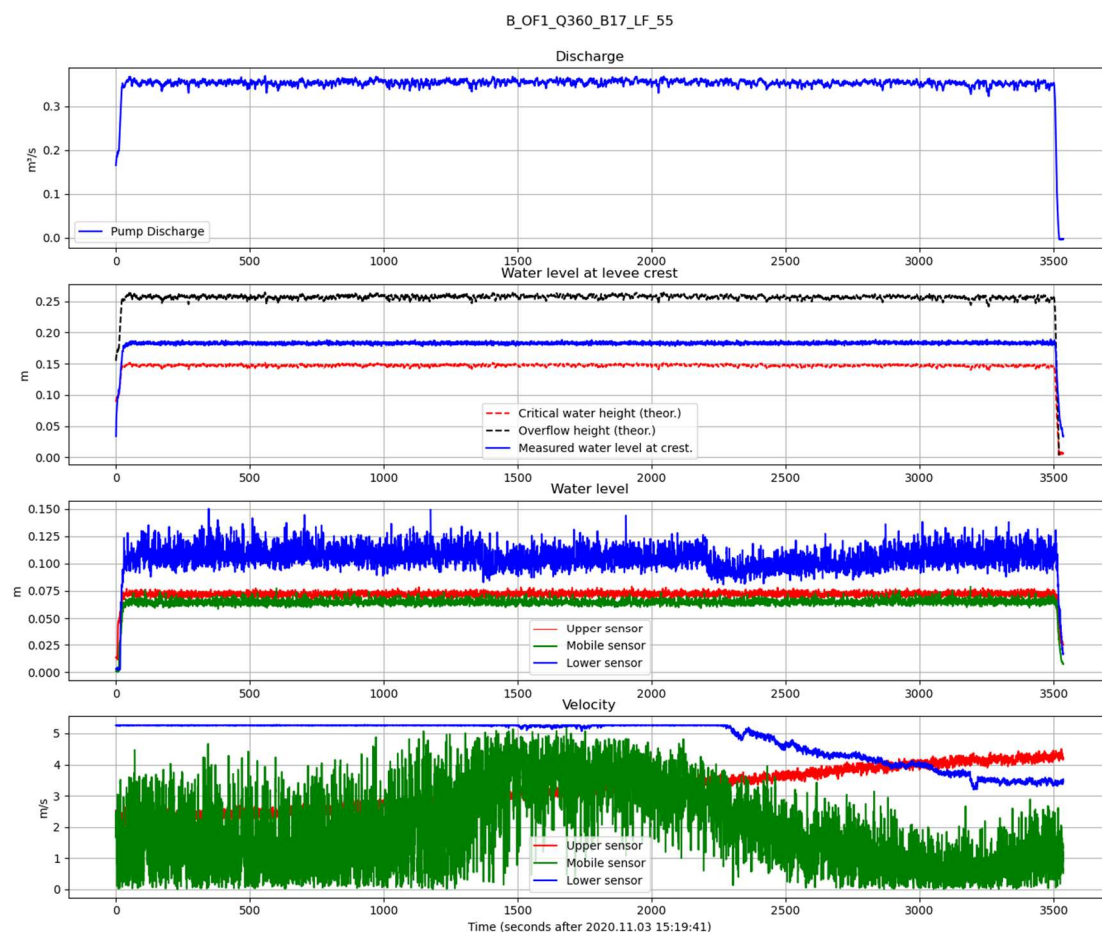
A.18 B-OF01: Block 16

Start	03/11/20 15:17					
Stop	03/11/20 16:16					
Duration	59 minutes					
Pump	Twin parallel Hidrosta F10K-HD					
Discharge	360 L/s					
Notes	-					
Statistics	Calculated from 55 to 3635 seconds (n=35796).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.324	0.368	0.351	0.006	m³/s
	WH_CREST	0.170	0.189	0.183	0.002	m
	WH_UPPER	0.066	0.080	0.072	0.002	m
	WH_LOWER	0.058	0.080	0.065	0.002	m
	WH_MOBILE	0.088	0.147	0.109	0.008	m
	VXY_UPPER	0.48	2.56	1.44	0.42	m/s
	VXY_MOBILE	0.00	4.89	1.63	0.97	m/s
	VXY_LOWER	0.11	5.27	5.16	0.47	m/s



A.19 B-OF01: Block 17

Start	03/11/20 16:18					
Stop	03/11/20 17:18					
Duration	1 hour					
Pump	Twin parallel Hidrostal F10K-HD					
Discharge	360 L/s					
Notes	-					
Statistics	Calculated from 49 to 3479 seconds (n=34298).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.323	0.370	0.354	0.006	m³/s
	WH_CREST	0.178	0.189	0.183	0.001	m
	WH_UPPER	0.067	0.079	0.072	0.002	m
	WH_LOWER	0.059	0.079	0.065	0.002	m
	WH_MOBILE	0.081	0.150	0.106	0.008	m
	VXY_UPPER	2.09	4.43	3.22	0.61	m/s
	VXY_MOBILE	0.01	5.21	1.99	1.22	m/s
	VXY_LOWER	3.20	5.28	4.85	0.63	m/s



Annex B - B-OF02 Short vegetation

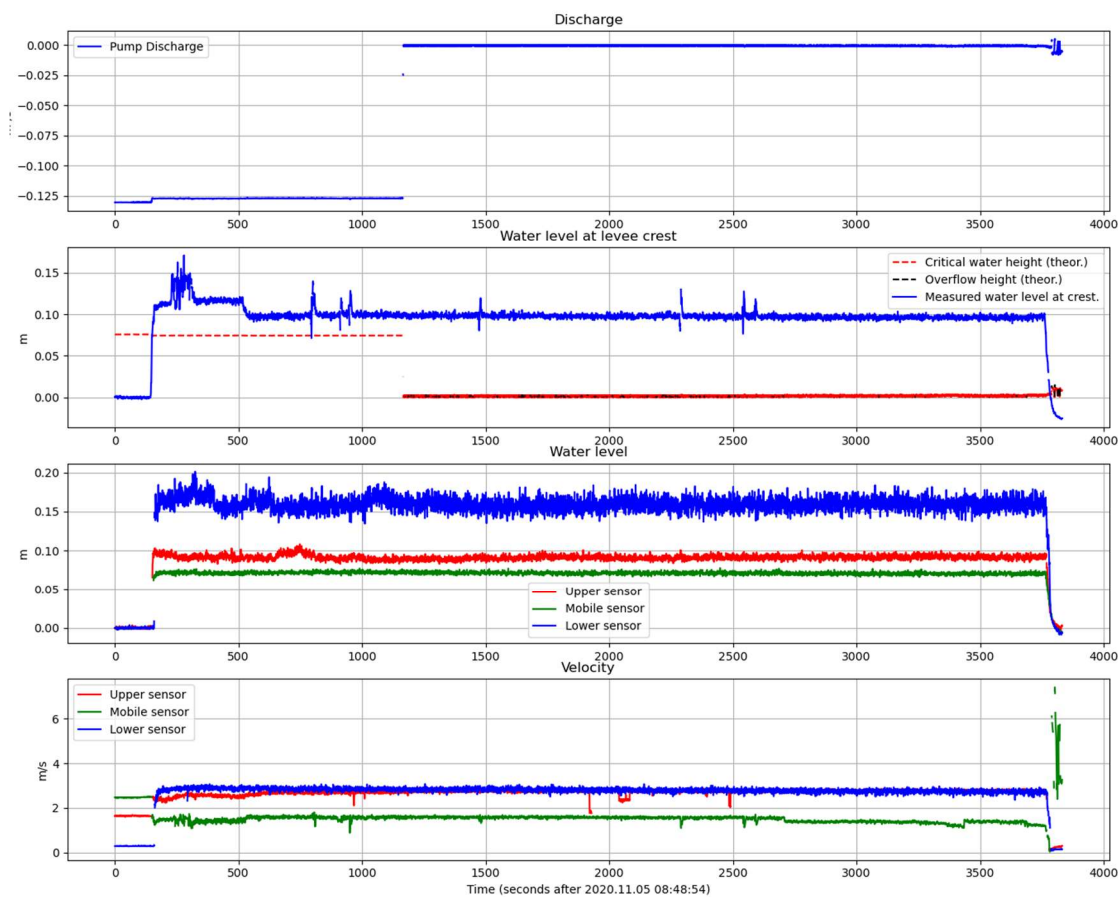
The following timeseries details are reproduced in this section:

B.1 B-OF02: Block 1	23
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B.3 B-OF02: Block 3	25
B.4 B-OF02: Block 4	26
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B.1 B-OF02: Block 1

Start – stop	5/11/2020 9:50				
Stop	5/11/2020 10:50				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	Not measured, nominal 360 L/s				
Notes	Crest height manually measured as 8.8 and 9.2 cm on L and R side.				
Statistics	Calculated from t=1180 to 3731 sec (n=25518).				
series	Min	max	mean	std	Unit
DISCHARGE	-	-	-	-	m³/s
WH_CREST	0,076	0,130	0,097	0,003	m
WH_UPPER	0,083	0,101	0,091	0,002	m
WH_MOBILE	0,066	0,078	0,071	0,001	m
WH_LOWER	-0,002	0,000	-0,001	0,000	m
VXY_UPPER	1,77	2,90	2,76	0,08	m/s
VXY_MOBILE	1,10	1,71	1,49	0,12	m/s
VXY_LOWER	2.36	3.08	2.78	0.08	m/s

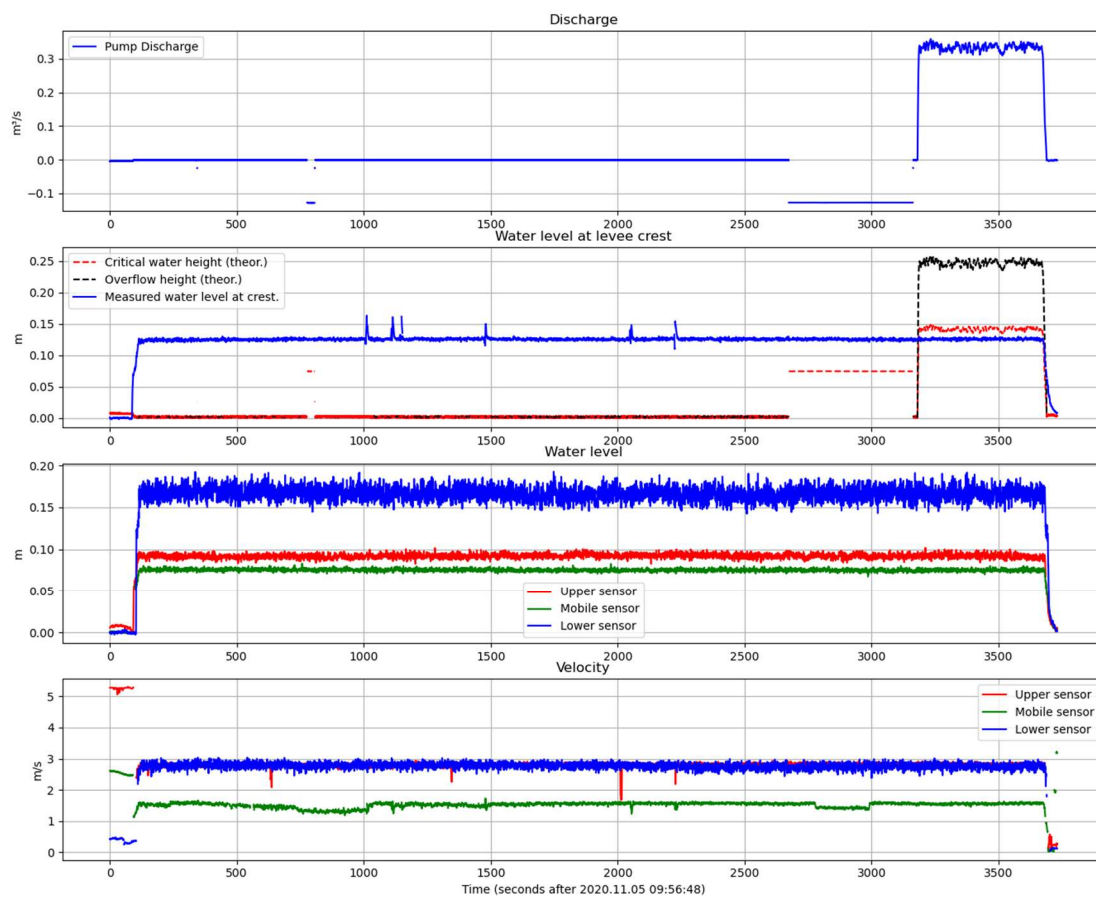
B_OF2_Q360_B1_LF_59



B.2 B-OF02: Block 2

Start – stop	5/11/20 10:58				
Stop	5/11/20 11:58				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	335 L/s (measured), 360 L/s nominal				
Notes	Discharge measurement ok from 11:53.				
Statistics	Calculated from t=3195 to 3648 sec (n=4539).				
series	Min	max	mean	std	Unit
DISCHARGE	0,310	0,359	0,335	0,009	m³/s
WH_CREST	0,122	0,130	0,126	0,001	m
WH_UPPER	0,084	0,102	0,092	0,002	m
WH_MOBILE	0,070	0,080	0,075	0,001	m
WH_LOWER	0,14	0,19	0,17	0,01	m
VXY_UPPER	2,71	2,92	2,82	0,03	m/s
VXY_MOBILE	1,45	1,63	1,56	0,02	m/s
VXY_LOWER	2,47	3,01	2,75	0,08	m/s

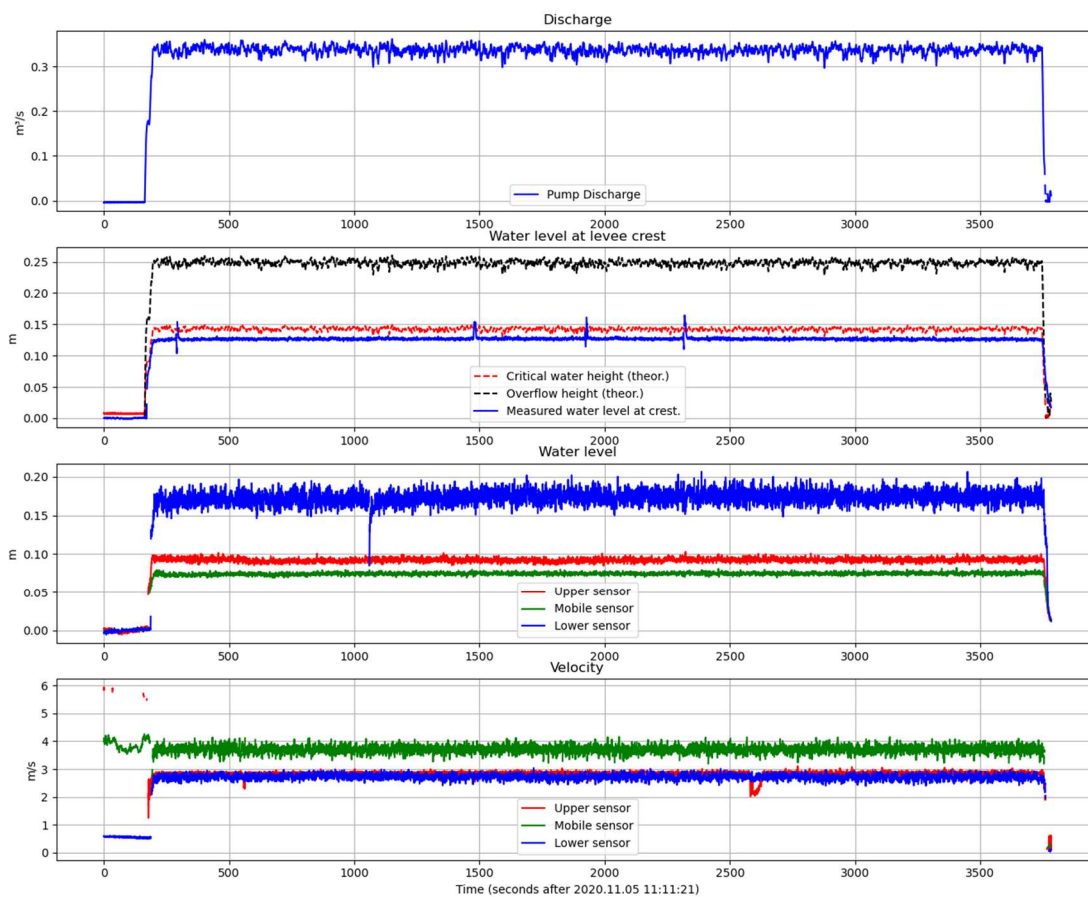
B_OF2_Q360_B2_LF_61



B.3 B-OF02: Block 3

Start – stop	5/11/2020 12:13				
Stop	5/11/2020 13:13				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	335 L/s (measured), 360 L/s nominal				
Notes					
Statistics	Calculated from t=210 to 3734 sec (n=35238).				
series	Min	max	mean	std	Unit
DISCHARGE	0,297	0,361	0,336	0,009	m³/s
WH_CREST	0,104	0,164	0,127	0,002	m
WH_UPPER	0,085	0,103	0,092	0,002	m
WH_MOBILE	0,069	0,082	0,075	0,002	m
WH_LOWER	0,09	0,21	0,17	0,01	m
VXY_UPPER	2,02	3,11	2,84	0,08	m/s
VXY_MOBILE	3,20	4,16	3,71	0,12	m/s
VXY_LOWER	2,39	3,04	2,72	0,09	m/s

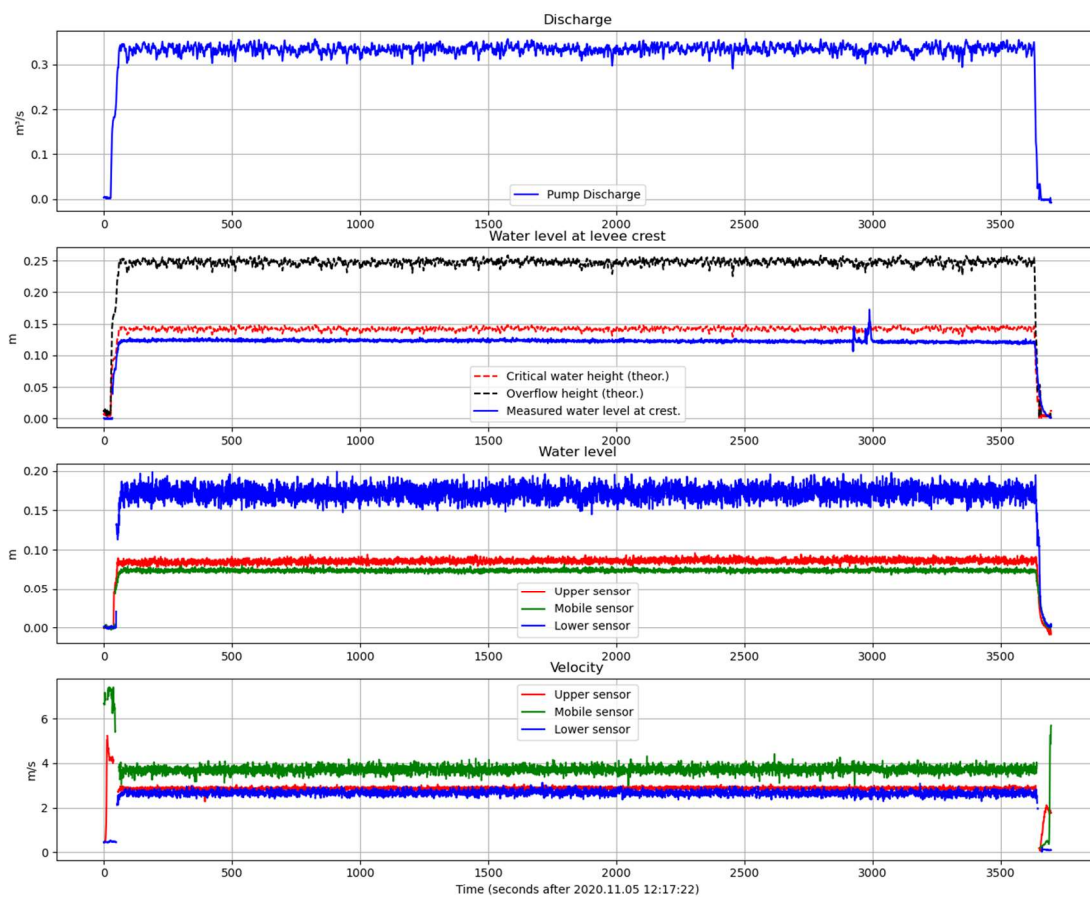
B_OF2_Q360_B3_LF_63



B.4 B-OF02: Block 4

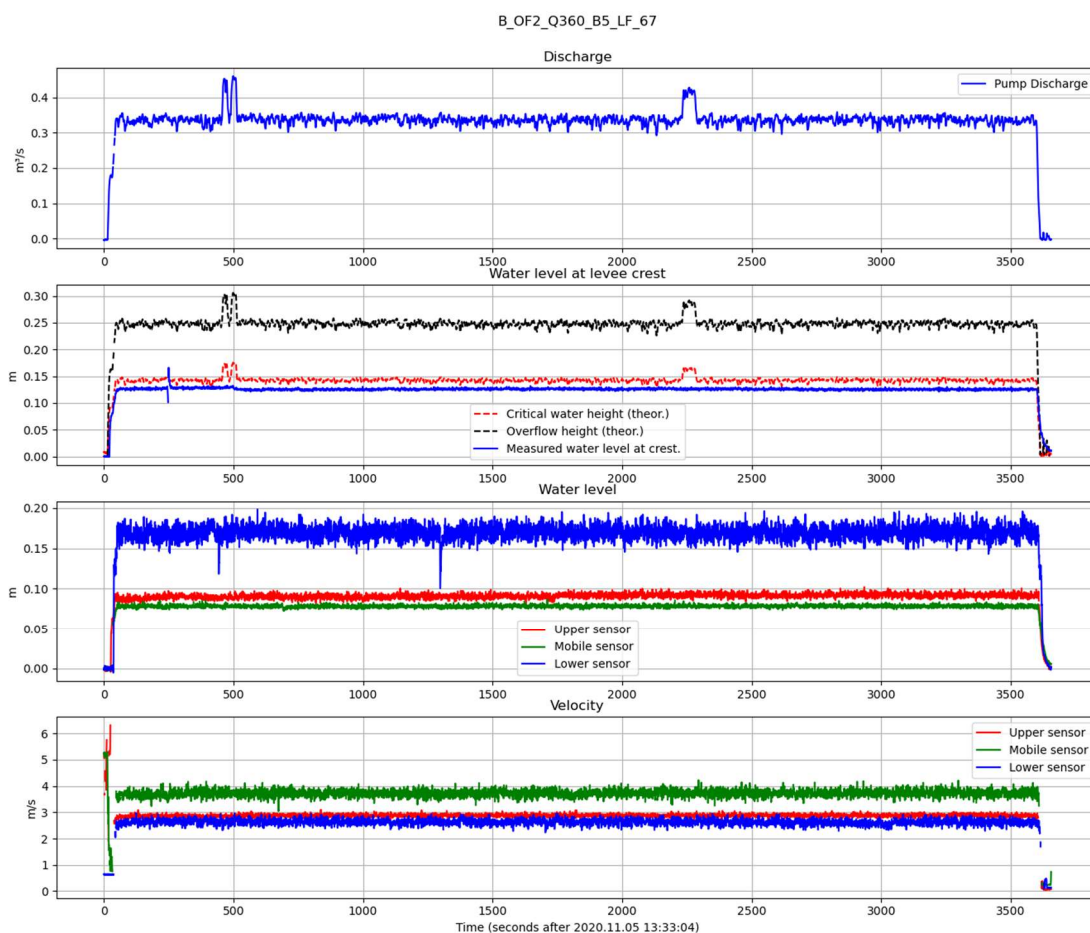
Start – stop	5/11/20 13:18				
Stop	5/11/20 14:18				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	335 L/s (measured), 360 L/s (nominal)				
Notes	-				
Statistics	Calculated from t=93 to 3590 sec (n=34969).				
series	Min	max	mean	std	Unit
DISCHARGE	0,291	0,357	0,335	0,009	m³/s
WH_CREST	0,106	0,172	0,123	0,002	m
WH_UPPER	0,077	0,096	0,086	0,002	m
WH_MOBILE	0,068	0,081	0,073	0,001	m
WH_LOWER	0,14	0,20	0,17	0,01	m
VXY_UPPER	2,27	3,06	2,87	0,04	m/s
VXY_MOBILE	2,99	4,41	3,71	0,12	m/s
VXY_LOWER	2,29	3,13	2,67	0,09	m/s

B_OF2_Q360_B4_LF_65



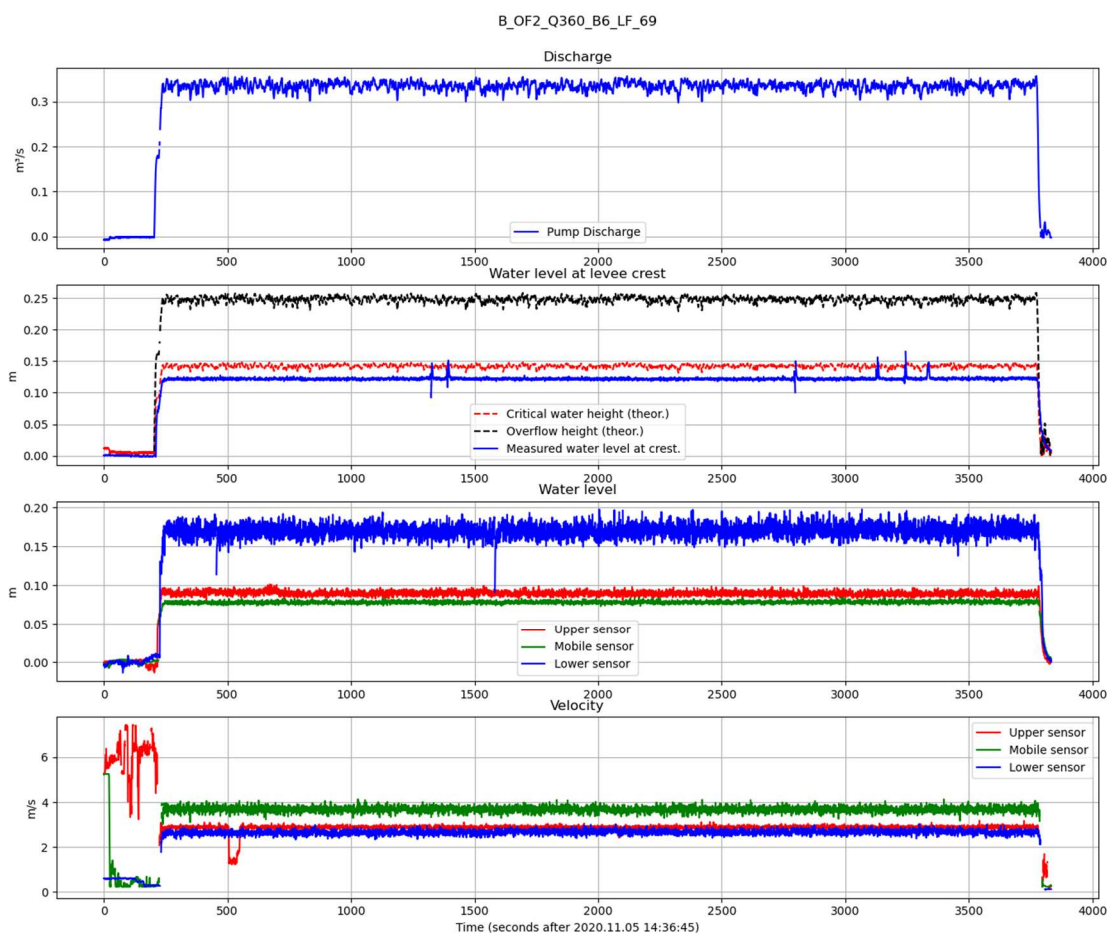
B.5 B-OF02: Block 5

Start – stop	5/11/20 14:33				
Stop	5/11/20 15:34				
Duration	61 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	337 L/s (measured), 360 L/s (nominal)				
Notes	-				
Statistics	Calculated from t=62 to 6575 sec (n=35126).				
series	Min	max	mean	std	Unit
DISCHARGE	0,292	0,460	0,337	0,017	m³/s
WH_CREST	0,101	0,166	0,126	0,002	m
WH_UPPER	0,081	0,102	0,091	0,003	m
WH_MOBILE	0,072	0,087	0,078	0,001	m
WH_LOWER	0,10	0,20	0,17	0,01	m
VXY_UPPER	2,52	3,10	2,88	0,05	m/s
VXY_MOBILE	3,05	4,23	3,73	0,11	m/s
VXY_LOWER	2,23	2,97	2,63	0,09	m/s



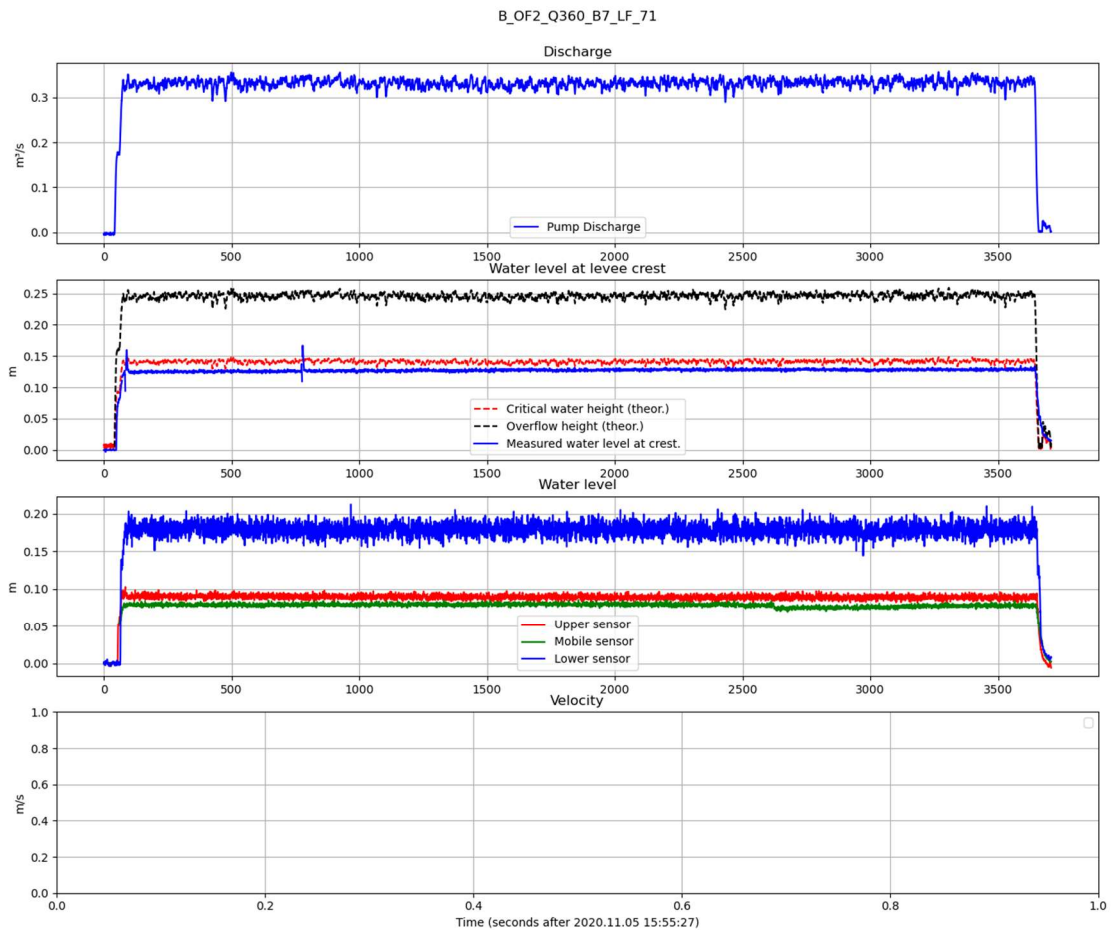
B.6 B-OF02: Block 6

Start – stop	5/11/20 15:40				
Stop	5/11/20 16:40				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	335 L/s (measured), 360 L/s nominal				
Notes	-				
Statistics	Calculated from t=248 to 3760 sec (n=35119).				
series	Min	max	mean	std	Unit
DISCHARGE	0,298	0,357	0,335	0,009	m³/s
WH_CREST	0,092	0,165	0,122	0,003	m
WH_UPPER	0,079	0,101	0,090	0,003	m
WH_MOBILE	0,073	0,084	0,078	0,001	m
WH_LOWER	0,09	0,20	0,17	0,01	m
VXY_UPPER	1,23	3,18	2,86	0,17	m/s
VXY_MOBILE	3,10	4,13	3,68	0,11	m/s
VXY_LOWER	2,33	3,03	2,66	0,09	m/s



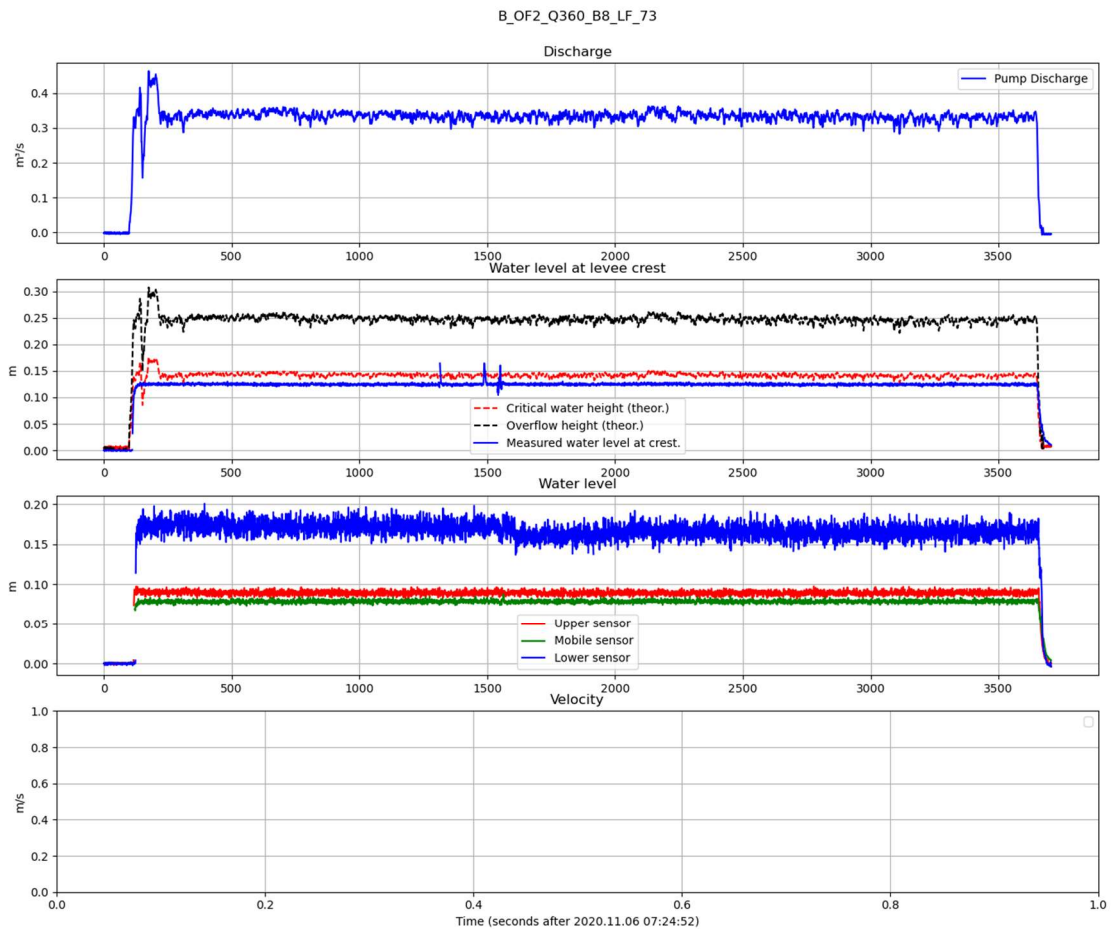
B.7 B-OF02: Block 7

Start – stop	5/11/20 16:56				
Stop	5/11/20 17:56				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	332 L/s (measured), 360 L/s nominal				
Notes	- No velocity measurements				
Statistics	Calculated from t=85.7 to 3622.4 sec (n=35367).				
series	Min	max	mean	std	Unit
DISCHARGE	0,290	0,359	0,332	0,009	m³/s
WH_CREST	0,110	0,167	0,127	0,002	m
WH_UPPER	0,082	0,099	0,089	0,002	m
WH_MOBILE	0,070	0,085	0,078	0,002	m
WH_LOWER	0,144	0,212	0,179	0,010	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



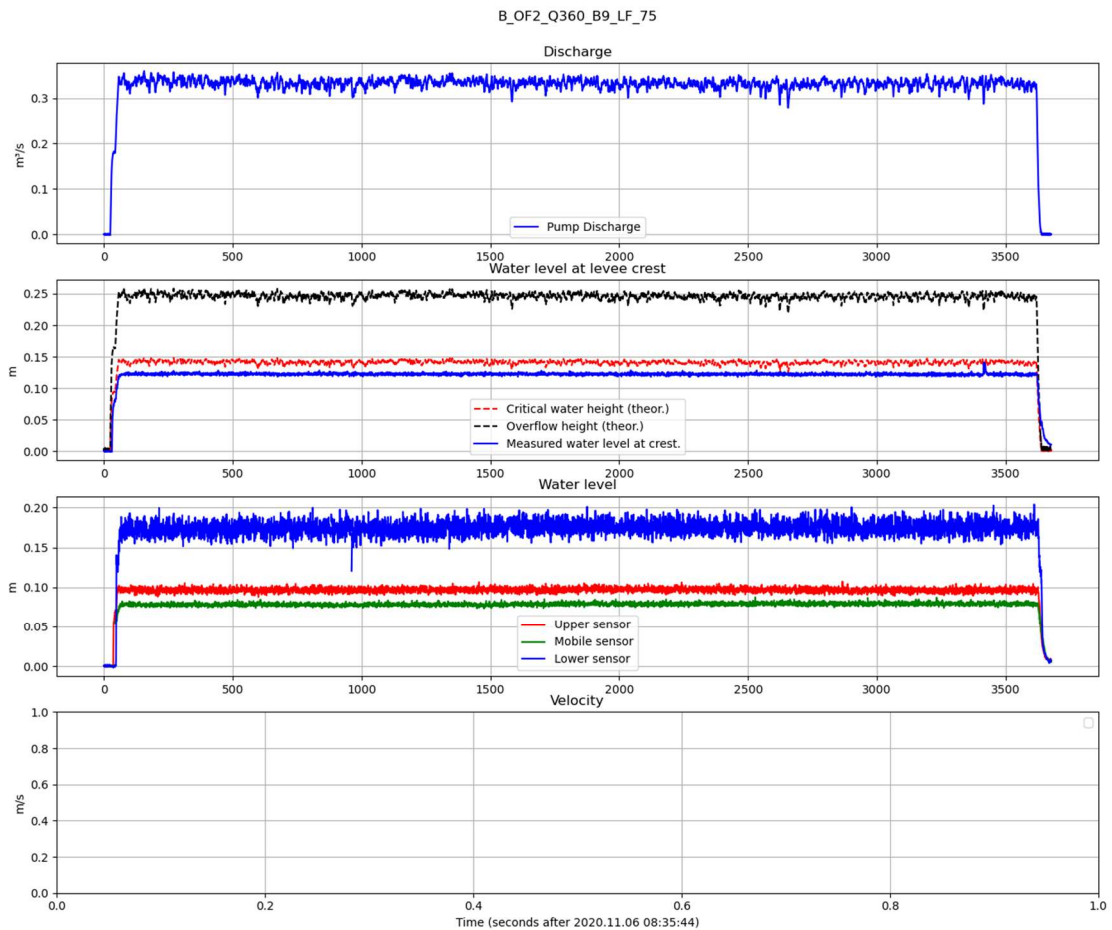
B.8 B-OF02: Block 8

Start – stop	6/11/20 8:26				
Stop	6/11/20 9:26				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	334 L/s (measured)				
Notes	-				
Statistics	Calculated from t=232 to 3636 sec (n=340335).				
series	Min	max	mean	std	Unit
DISCHARGE	0,283	0,362	0,334	0,011	m³/s
WH_CREST	0,105	0,164	0,125	0,002	m
WH_UPPER	0,081	0,097	0,089	0,002	m
WH_MOBILE	0,073	0,088	0,079	0,002	m
WH_LOWER	0,137	0,201	0,168	0,010	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



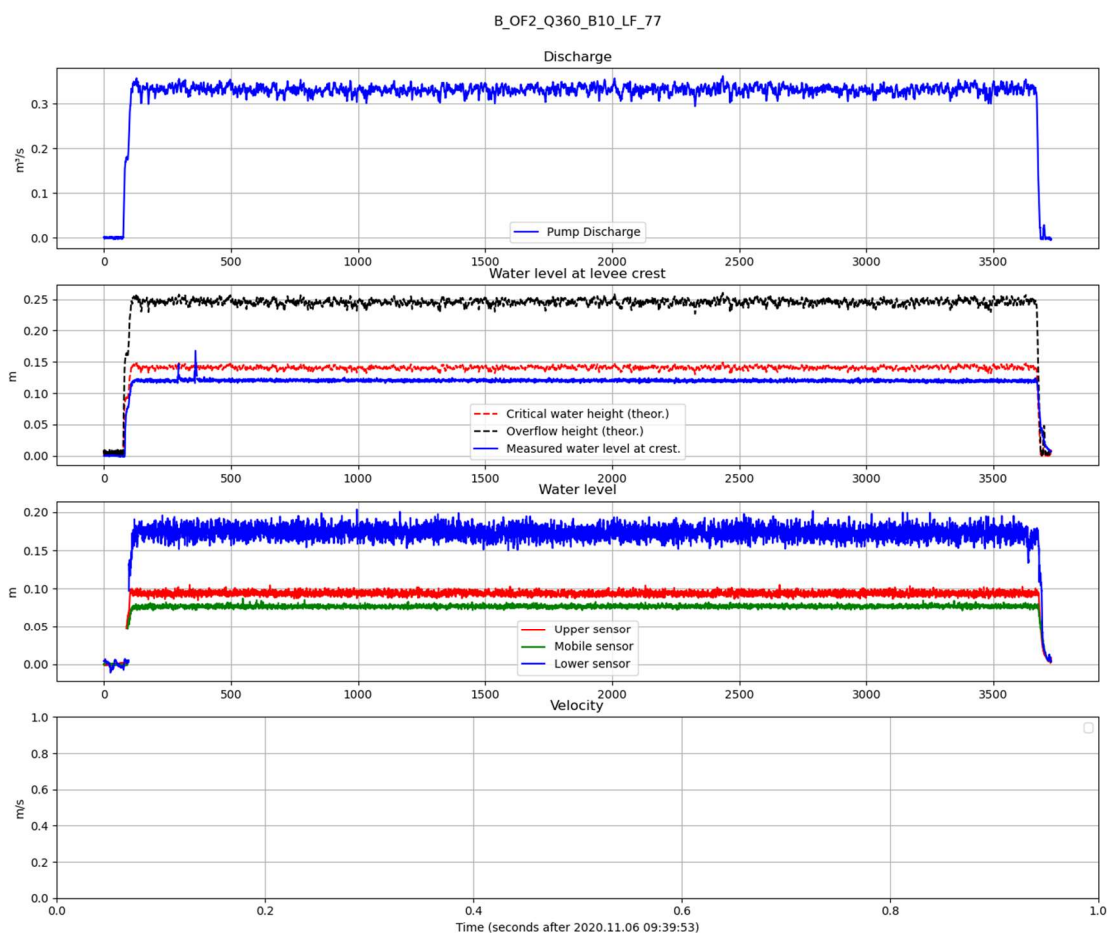
B.9 B-OF02: Block 9

Start – stop	6/11/20 9:36				
Stop	6/11/20 10:36				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	333 L/s (measured)				
Notes	-				
Statistics	Calculated from t=96 to 3565 sec (n=34688).				
series	Min	max	Mean	std	Unit
DISCHARGE	0,279	0,360	0,333	0,009	m³/s
WH_CREST	0,118	0,141	0,123	0,001	m
WH_UPPER	0,088	0,107	0,097	0,002	m
WH_MOBILE	0,073	0,087	0,079	0,002	m
WH_LOWER	0,121	0,203	0,175	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



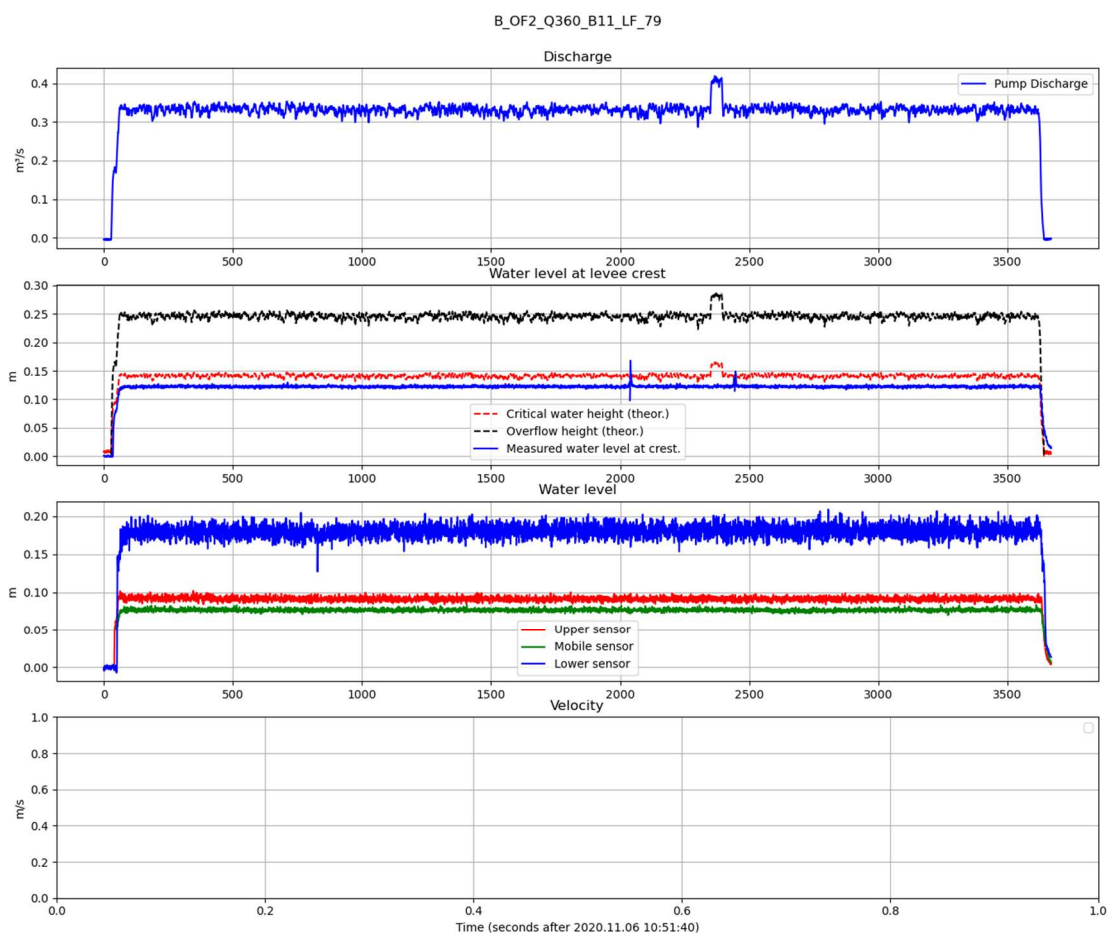
B.10 B-OF02: Block 10

Start – stop	6/11/20 10:41				
Stop	6/11/20 11:41				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	331 L/s (measured)				
Notes	-				
Statistics	Calculated from t=128 to 3641 sec (n=35134).				
series	Min	max	mean	std	Unit
DISCHARGE	0,294	0,361	0,331	0,009	m³/s
WH_CREST	0,115	0,168	0,120	0,002	m
WH_UPPER	0,085	0,105	0,094	0,002	m
WH_MOBILE	0,071	0,087	0,077	0,002	m
WH_LOWER	0,134	0,204	0,174	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



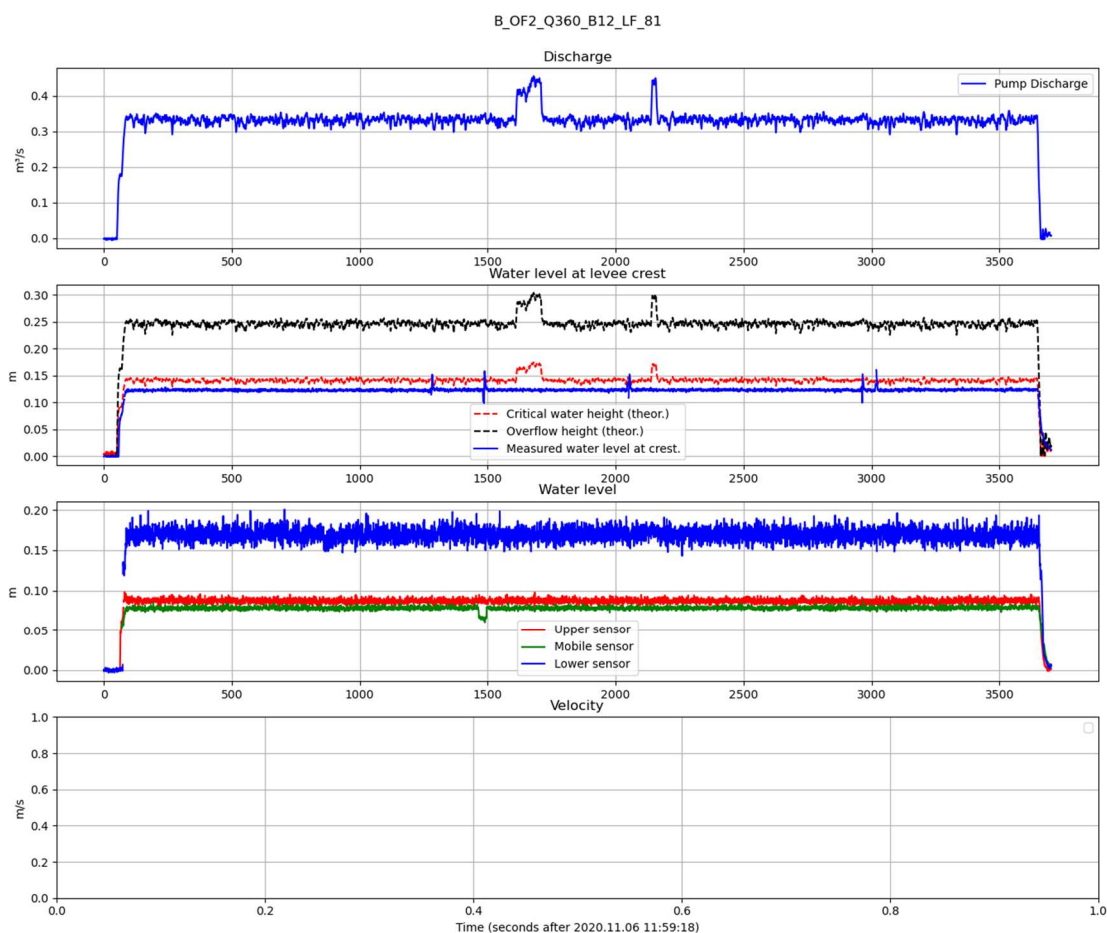
B.11 B-OF02: Block 11

Start – stop	6/11/20 11:52				
Stop	6/11/20 12:52				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	331 L/s (measured)				
Notes	-				
Statistics	Calculated from t=84 to 2339 sec (n=22539).				
series	Min	max	mean	std	Unit
DISCHARGE	0,287	0,353	0,331	0,009	m³/s
WH_CREST	0,098	0,168	0,122	0,002	m
WH_UPPER	0,084	0,102	0,091	0,002	m
WH_MOBILE	0,071	0,084	0,077	0,002	m
WH_LOWER	0,127	0,205	0,180	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



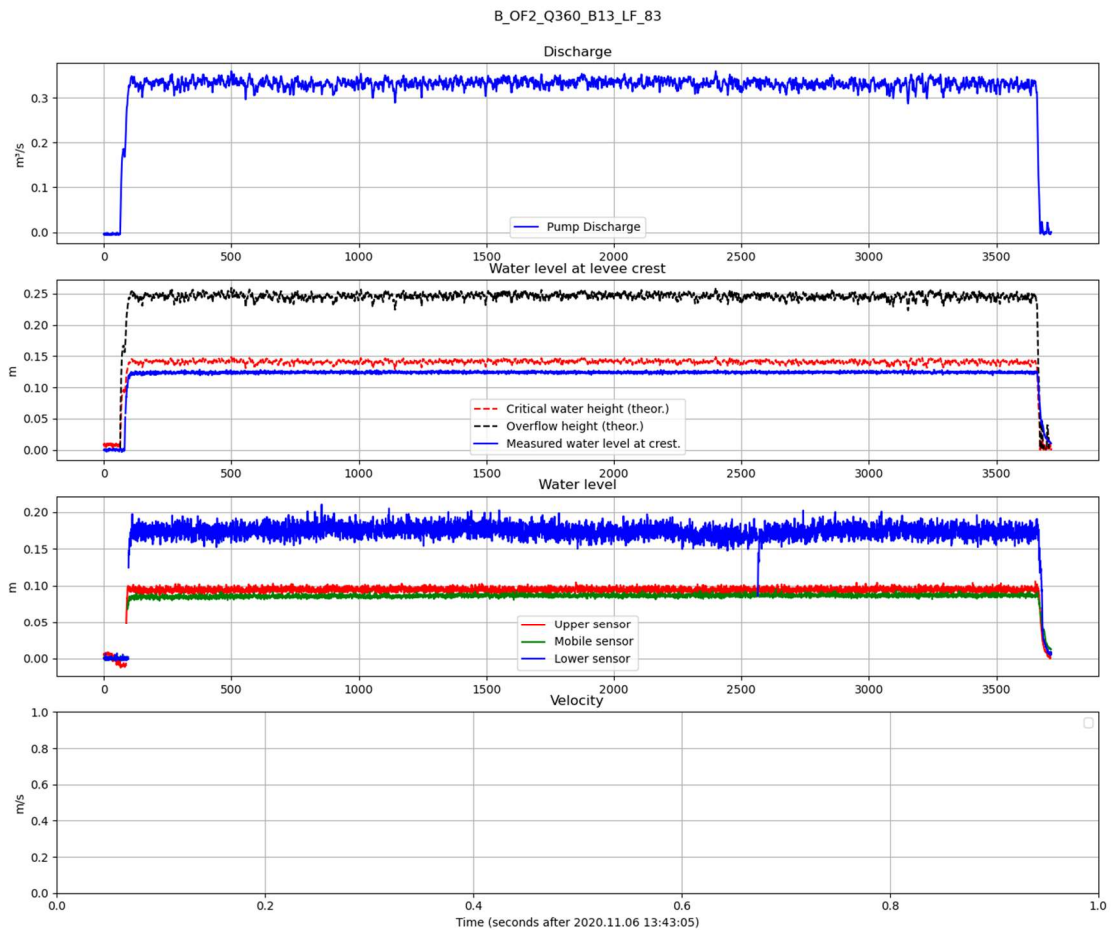
B.12 B-OF02: Block 12

Start – stop	6/11/20 13:00				
Stop	6/11/20 14:00				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	332 L/s				
Notes	-				
Statistics	Calculated from t=104 to 1572 sec (n=14672).				
series	Min	max	mean	std	Unit
DISCHARGE	0,291	0,354	0,332	0,010	m³/s
WH_CREST	0,098	0,158	0,123	0,003	m
WH_UPPER	0,080	0,096	0,087	0,002	m
WH_MOBILE	0,061	0,085	0,078	0,002	m
WH_LOWER	0,147	0,201	0,170	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



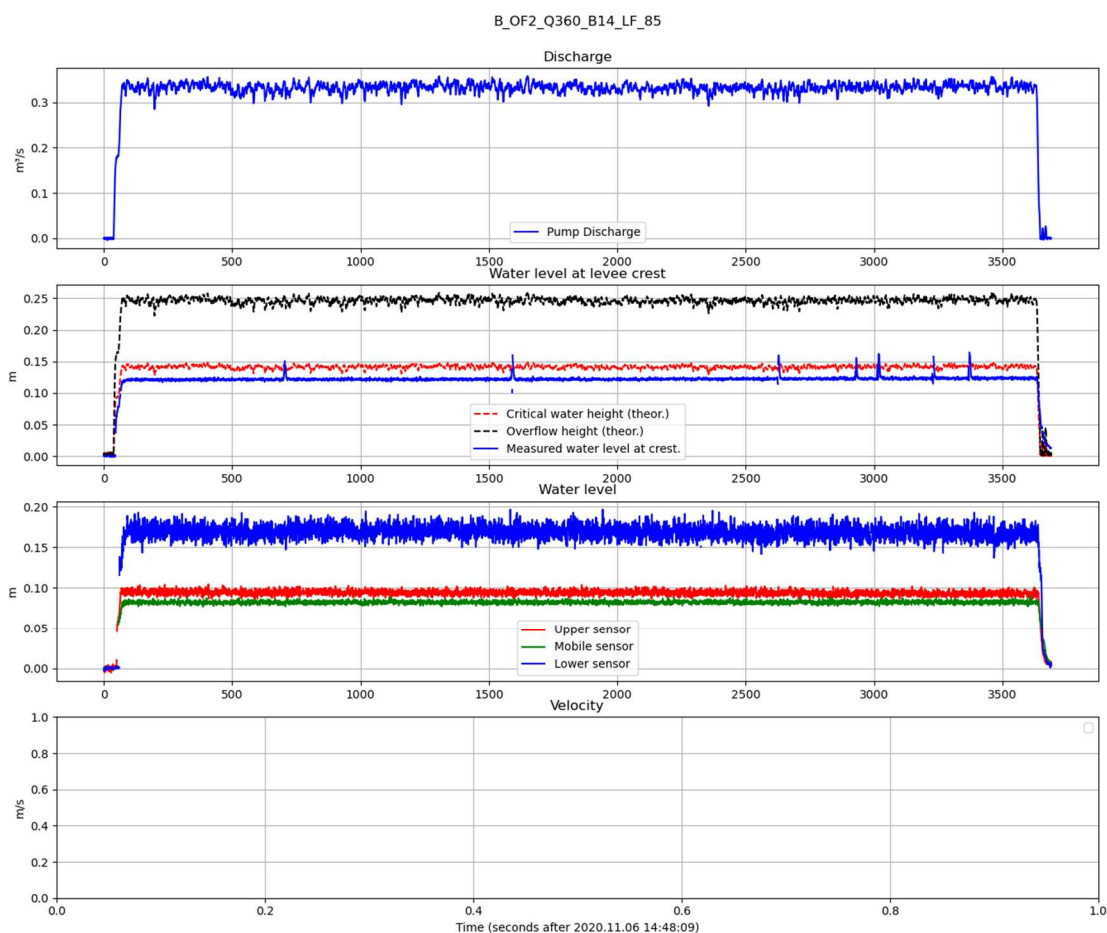
B.13 B-OF02: Block 13

Start – stop	6/11/20 14:44				
Stop	6/11/20 15:44				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	332 L/s				
Notes	-				
Statistics	Calculated from t=139 to 3633 sec (n=34943).				
series	Min	max	mean	std	Unit
DISCHARGE	0,287	0,360	0,332	0,009	m³/s
WH_CREST	0,119	0,129	0,124	0,001	m
WH_UPPER	0,087	0,105	0,095	0,002	m
WH_MOBILE	0,080	0,095	0,086	0,002	m
WH_LOWER	0,086	0,210	0,174	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY LOWER					m/s



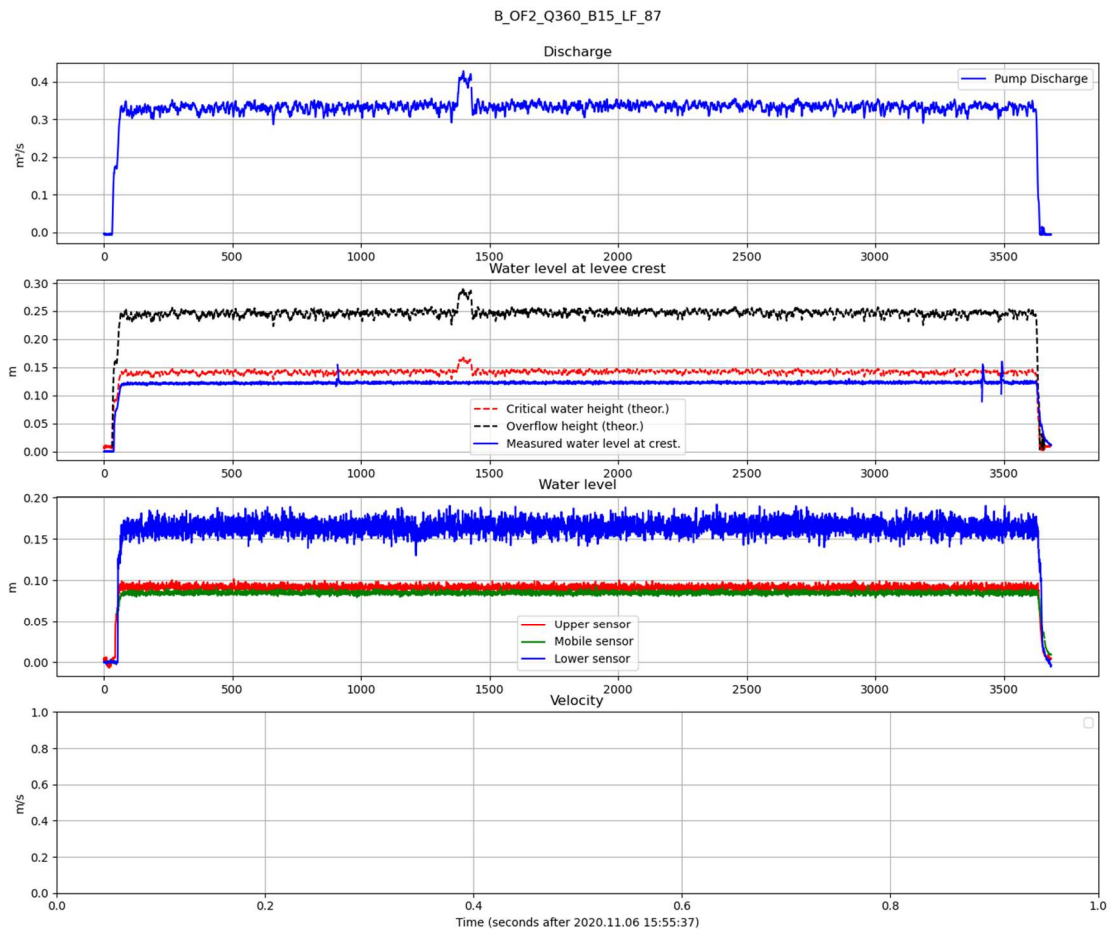
B.14 B-OF02: Block 14

Start – stop	6/11/20 15:49				
Stop	6/11/20 16:49				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	333 L/s (measured)				
Notes	-				
Statistics	Calculated from t=85 to 3593 sec (n=35079).				
series	Min	max	mean	std	Unit
DISCHARGE	0,285	0,358	0,333	0,009	m³/s
WH_CREST	0,101	0,164	0,122	0,003	m
WH_UPPER	0,086	0,104	0,094	0,003	m
WH_MOBILE	0,077	0,089	0,082	0,001	m
WH_LOWER	0,137	0,197	0,169	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



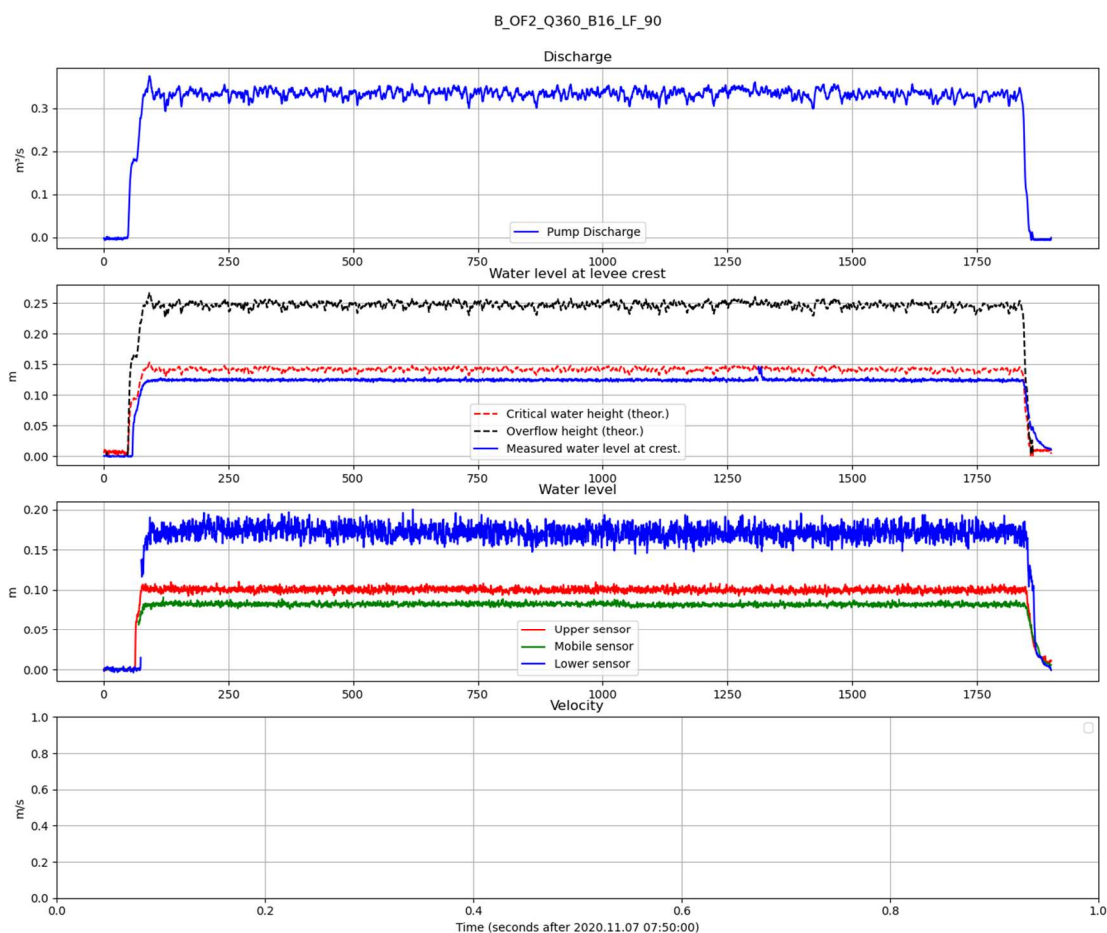
B.15 B-OF02: Block 15

Start – stop	6/11/20 16:56				
Stop	6/11/20 17:56				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	334 L/s (measured)				
Notes	-				
Statistics	Calculated from t=89 to 3595 sec (n=35062).				
series	Min	max	mean	std	Unit
DISCHARGE	0,287	0,428	0,334	0,013	m³/s
WH_CREST	0,089	0,160	0,122	0,002	m
WH_UPPER	0,082	0,102	0,091	0,002	m
WH_MOBILE	0,079	0,093	0,085	0,002	m
WH_LOWER	0,130	0,192	0,165	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



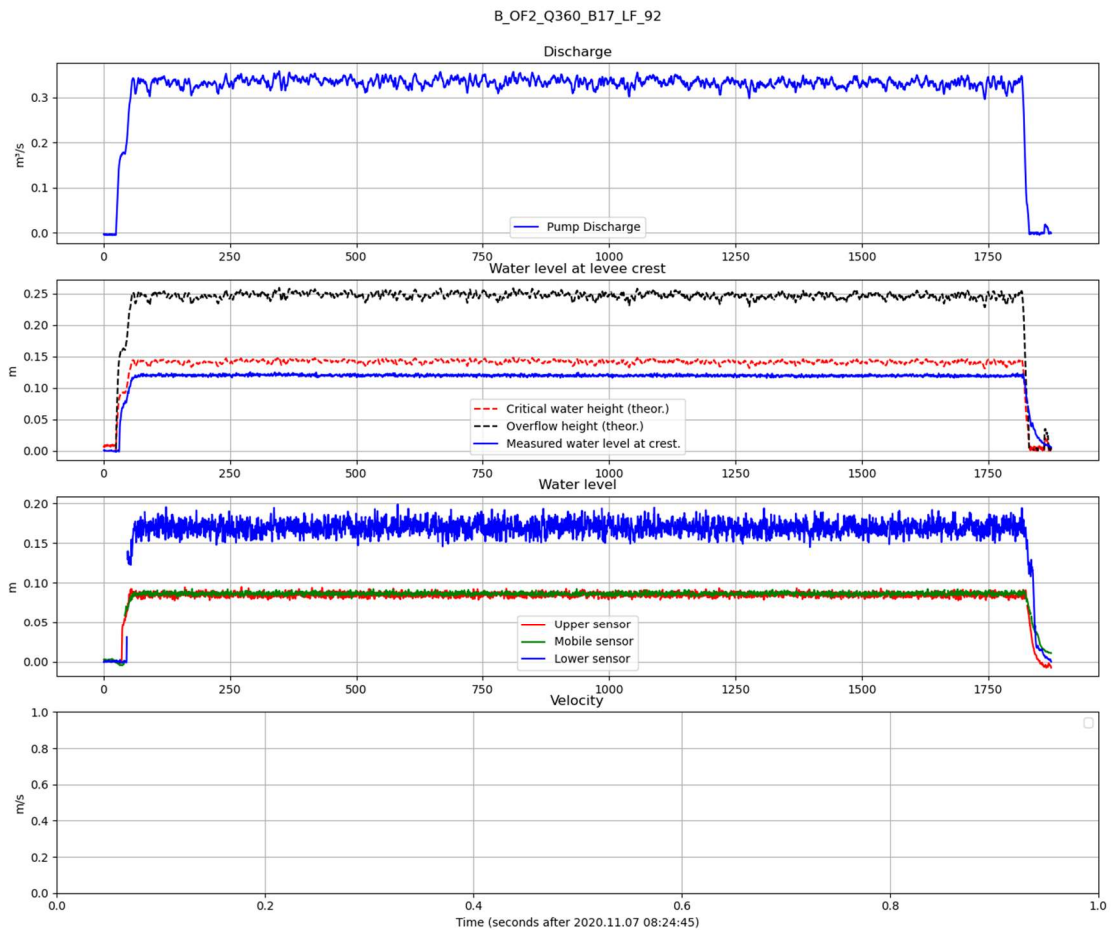
B.16 B-OF02: Block 16

Start – stop	7/11/20 8:51				
Stop	7/11/20 9:21				
Duration	30 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	334 L/s				
Notes	- Application of the artificial damage before the start of the run.				
Statistics	Calculated from t=96 to 1818 sec (n=17222).				
series	Min	max	mean	std	Unit
DISCHARGE	0,293	0,361	0,334	0,010	m³/s
WH_CREST	0,120	0,146	0,125	0,001	m
WH_UPPER	0,092	0,110	0,100	0,002	m
WH_MOBILE	0,076	0,091	0,082	0,002	m
WH_LOWER	0,145	0,200	0,172	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



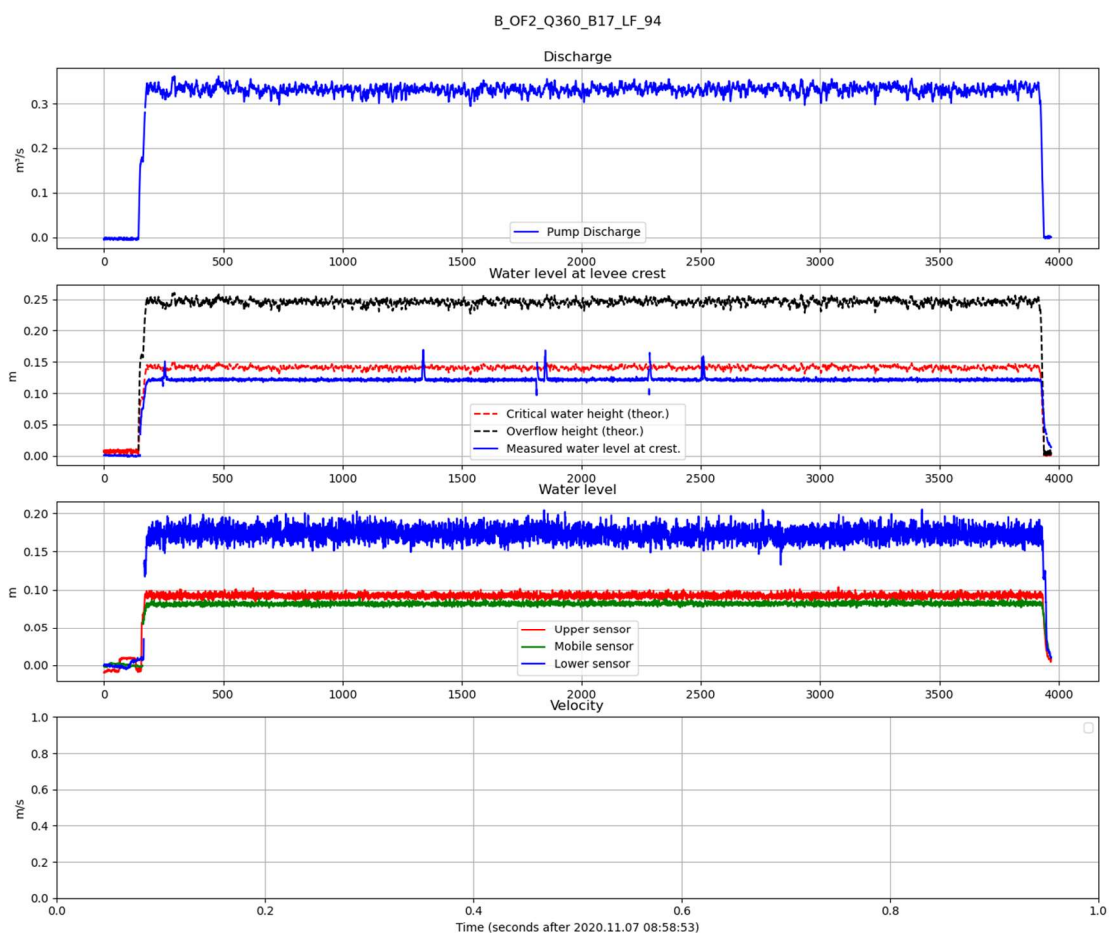
B.17 B-OF02: Block 17

Start – stop	7/11/20 9:24				
Stop	7/11/20 9:55				
Duration	31 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	334 L/s				
Notes	-				
Statistics	Calculated from t=59 to 1793 sec (n=17348).				
series	Min	max	mean	std	Unit
DISCHARGE	0,296	0,359	0,334	0,009	m³/s
WH_CREST	0,116	0,125	0,120	0,001	m
WH_UPPER	0,078	0,095	0,085	0,002	m
WH_MOBILE	0,080	0,092	0,086	0,002	m
WH_LOWER	0,145	0,198	0,170	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



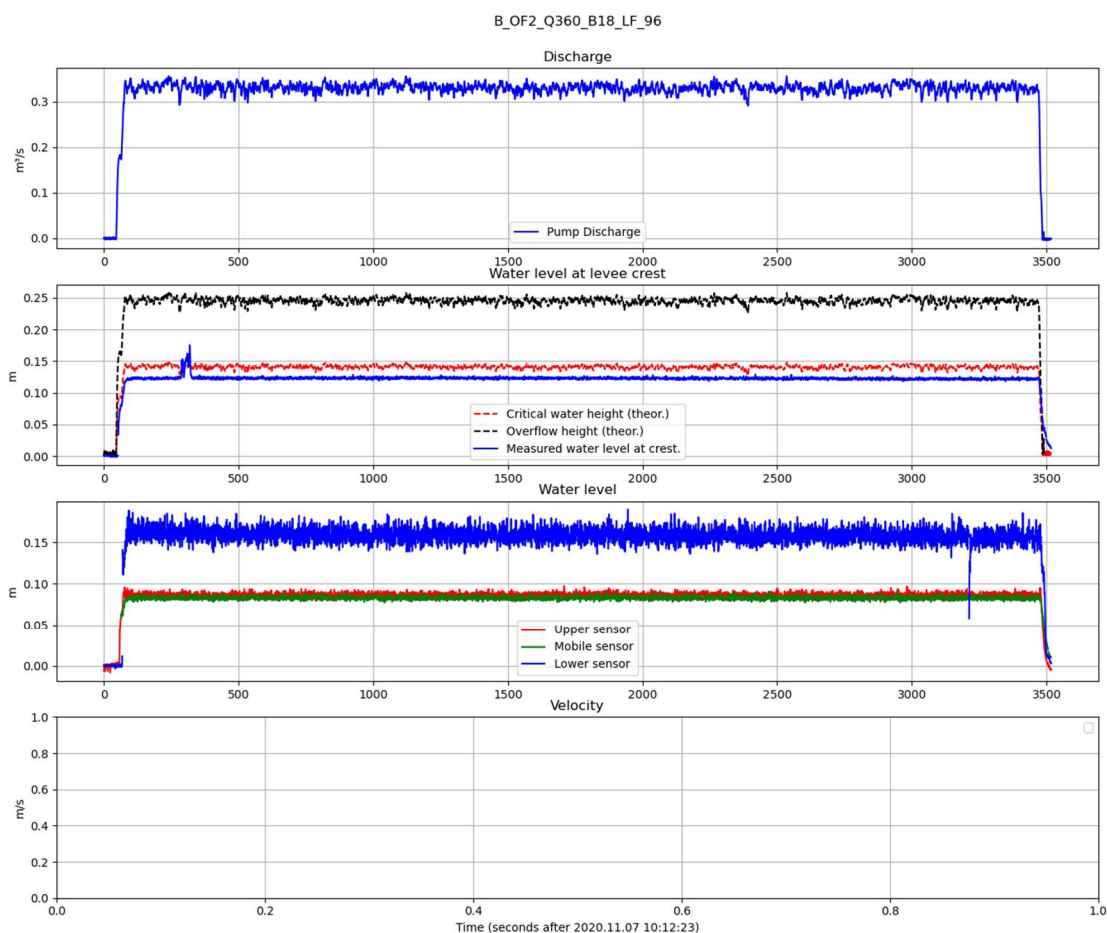
B.18 B-OF02: Block 17 (bis)

Start – stop	7/11/20 10:01				
Stop	7/11/20 11:04				
Duration	63 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	332 L/s (measured)				
Notes	-				
Statistics	Calculated from t=204 to 3876 sec (n=36718).				
series	Min	max	mean	std	Unit
DISCHARGE	0,294	0,362	0,332	0,009	m³/s
WH_CREST	0,096	0,169	0,122	0,003	m
WH_UPPER	0,084	0,103	0,092	0,002	m
WH_MOBILE	0,076	0,090	0,082	0,002	m
WH_LOWER	0,133	0,205	0,174	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



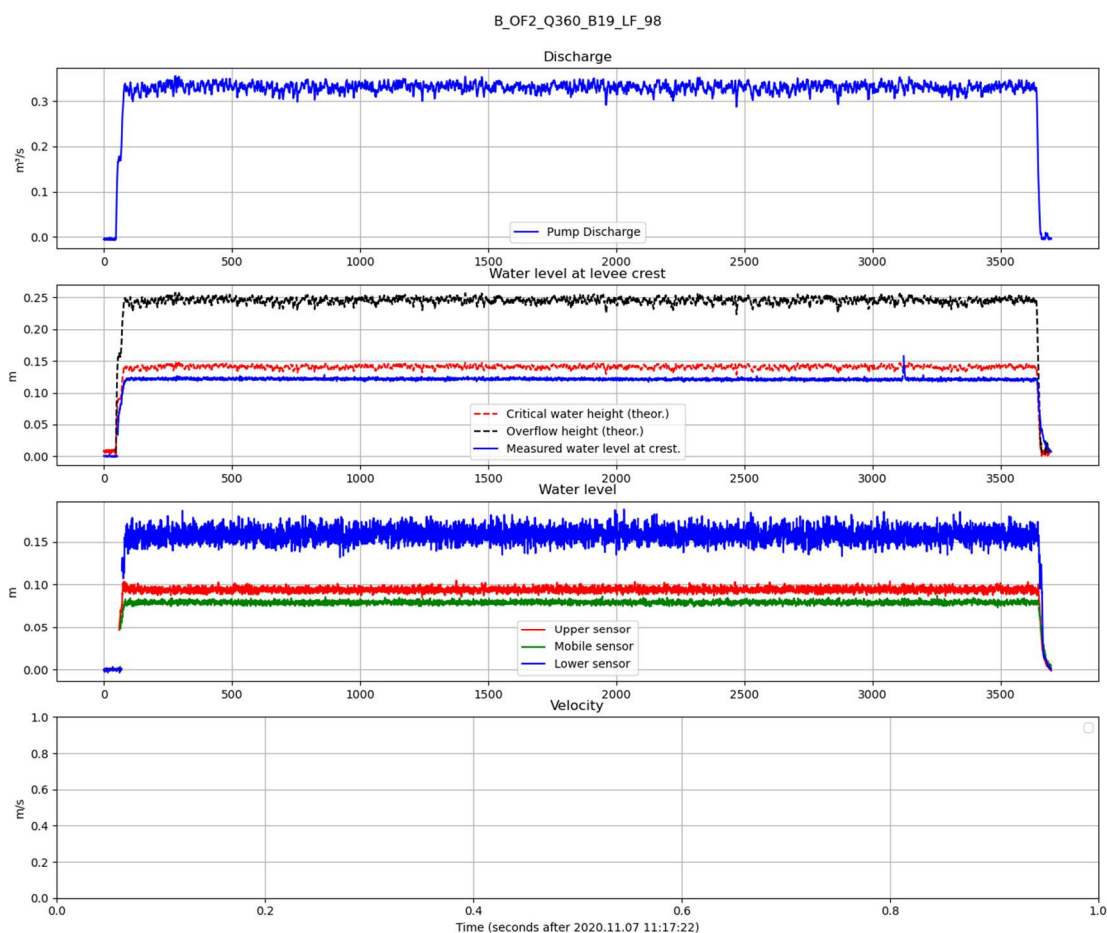
B.19 B-OF02: Block 18

Start – stop	7/11/20 11:13				
Stop	7/11/20 12:10				
Duration	57 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	331 L/s (measured), 360 L/s nominal				
Notes					
Statistics	Calculated from t=117 to 3450 sec (n=33332).				
series	Min	max	mean	std	Unit
DISCHARGE	0,291	0,356	0,331	0,009	m³/s
WH_CREST	0,118	0,175	0,123	0,003	m
WH_UPPER	0,078	0,097	0,086	0,002	m
WH_MOBILE	0,077	0,091	0,083	0,002	m
WH_LOWER	0,058	0,190	0,159	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



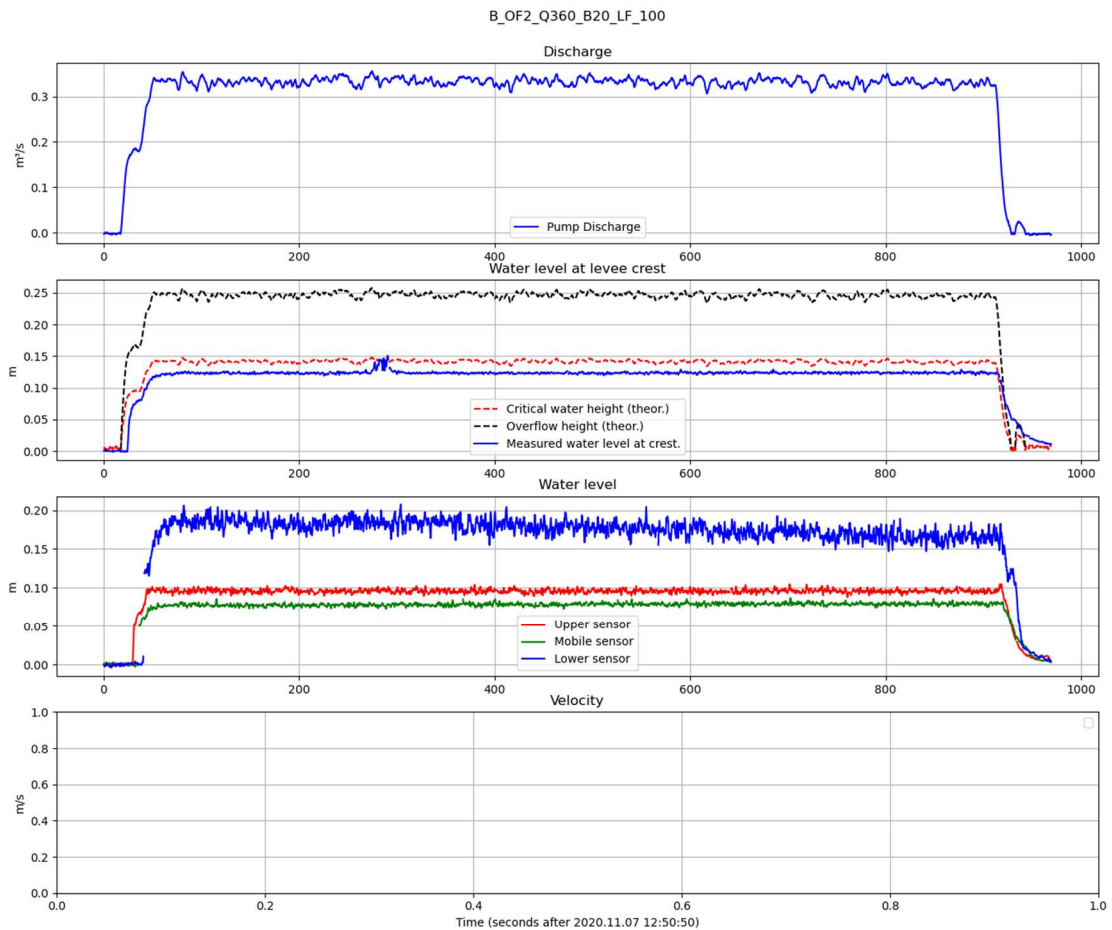
B.20 B-OF02: Block 19

Start – stop	7/11/20 12:18				
Stop	7/11/20 13:18				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	331 L/s				
Notes					
Statistics	Calculated from t=112 to 3627 sec (n=35156).				
series	Min	max	mean	std	Unit
DISCHARGE	0,287	0,355	0,331	0,009	m³/s
WH_CREST	0,117	0,158	0,121	0,001	m
WH_UPPER	0,085	0,105	0,094	0,002	m
WH_MOBILE	0,073	0,087	0,079	0,002	m
WH_LOWER	0,132	0,188	0,158	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



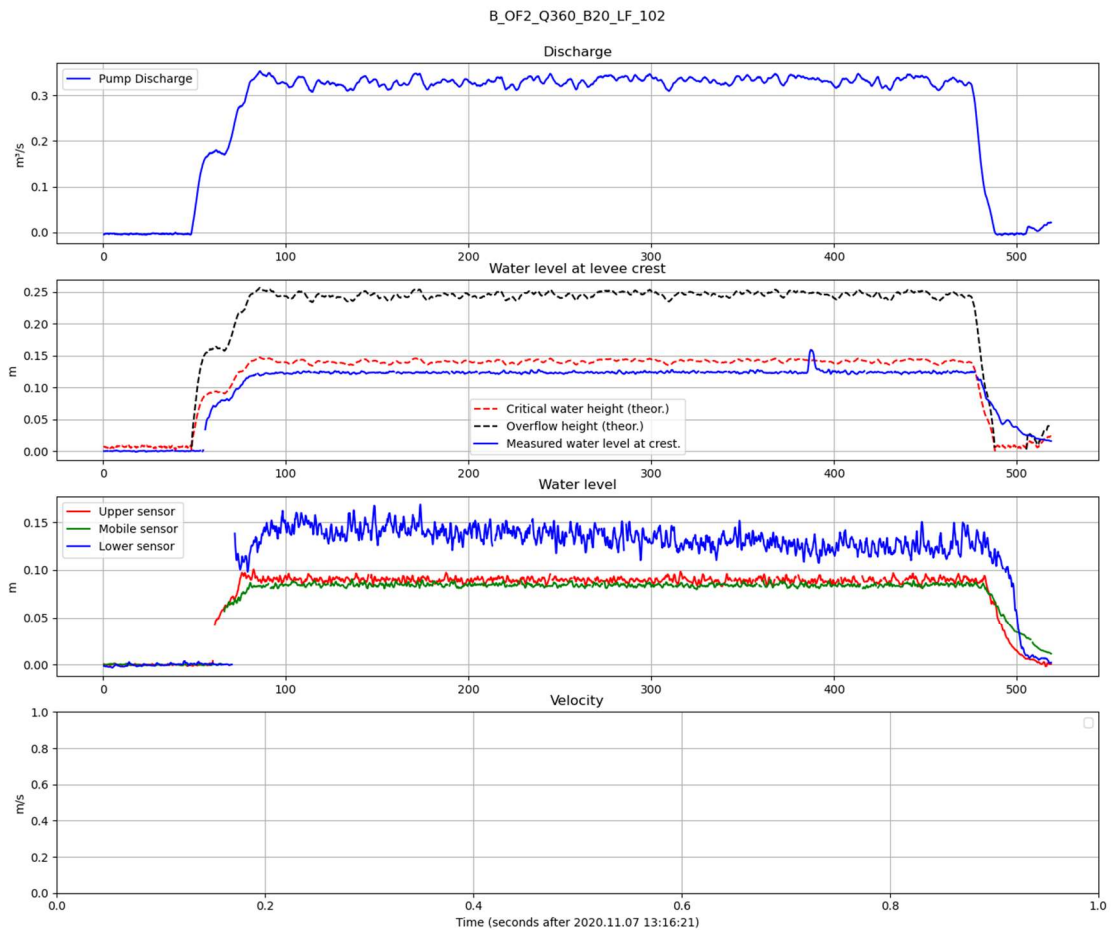
B.21 B-OF02: Block 20

Start – stop	7/11/20 13:51				
Stop	7/11/20 14:06				
Duration	15 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	333 L/s (measured)				
Notes	Cliff size increased to a height of 40 cm before run.				
Statistics	Calculated from t=64 to 898 sec (n=8338).				
series	Min	max	mean	std	Unit
DISCHARGE	0,306	0,356	0,333	0,008	m³/s
WH_CREST	0,119	0,150	0,124	0,002	m
WH_UPPER	0,088	0,105	0,096	0,002	m
WH_MOBILE	0,073	0,087	0,079	0,002	m
WH_LOWER	0,147	0,207	0,177	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



B.22 B-OF02: Block 20 bis

Start – stop	7/11/20 14:17				
Stop	7/11/20 14:24				
Duration	7 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	331 L/s				
Notes	- End of experiment due to fast erosion in artificial damage				
Statistics	Calculated from t=87 to 468 sec (n=3809).				
series	Min	max	mean	std	Unit
DISCHARGE	0,307	0,349	0,331	0,009	m³/s
WH_CREST	0,120	0,159	0,124	0,003	m
WH_UPPER	0,082	0,099	0,090	0,002	m
WH_MOBILE	0,080	0,091	0,084	0,002	m
WH_LOWER	0,107	0,169	0,134	0,01	m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY LOWER					m/s



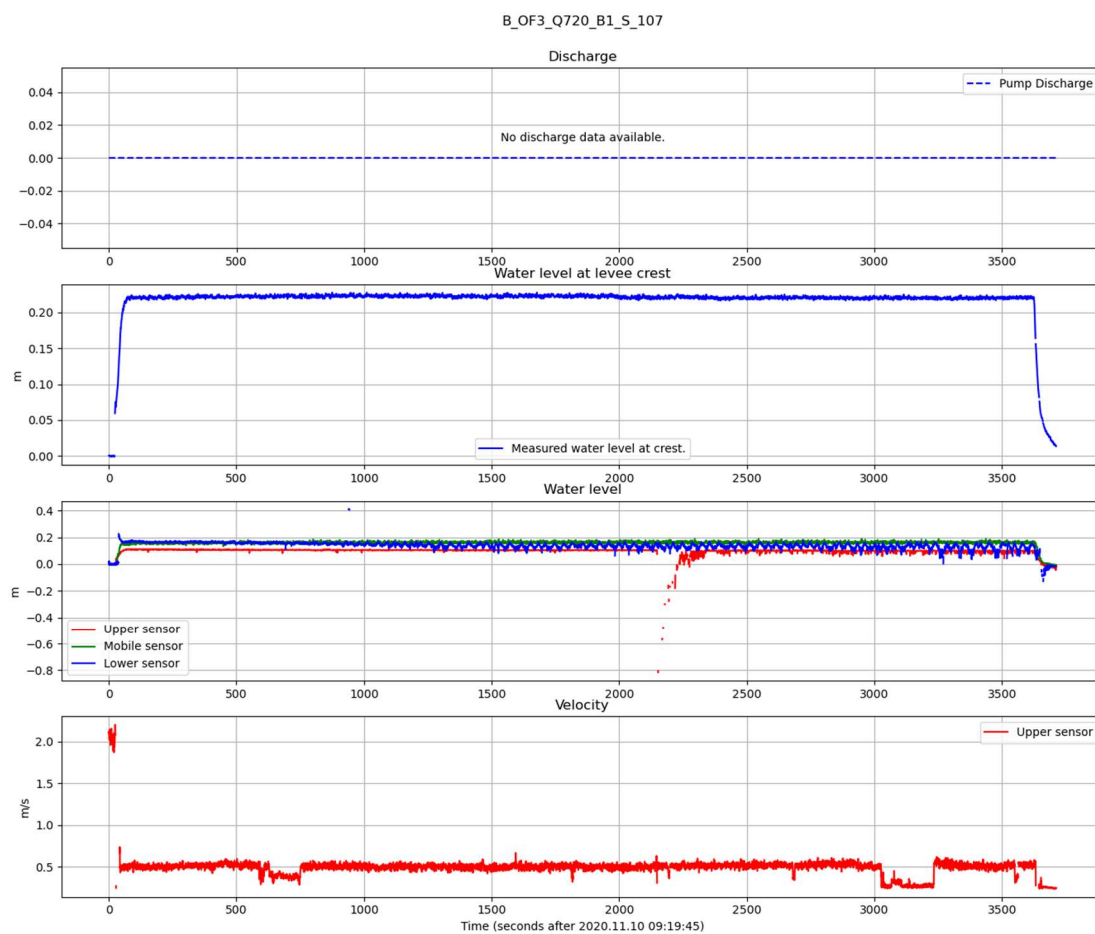
Annex C - B-OF03 High Discharge

The following timeseries details are reproduced in this section:

C.1 B-OF03: Block 1	46
C.2 B-OF03: Block 2	47
C.3 B-OF03: Block 3	48
C.4 B-OF03: Block 4	49
C.5 B-OF03: Block 5	50
C.6 B-OF03: Block 6	51
C.7 B-OF03: Block 7	52
C.8 B-OF03: Block 8	53
C.9 B-OF03: Block 9	54
C.10 B-OF03: Block 10	55

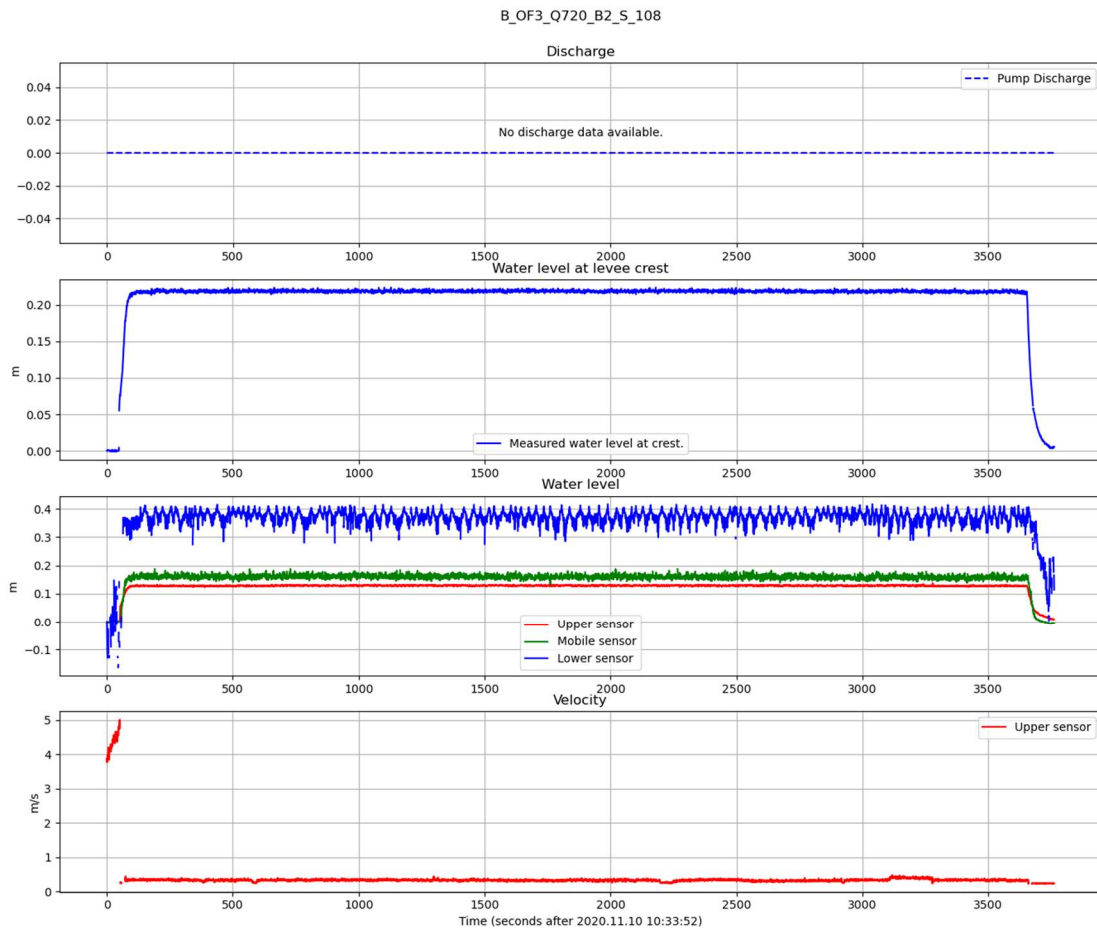
C.1 B-OF03: Block 1

Start – stop	10/11/20 10:19				
Stop	10/11/20 11:19				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec				
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 21.6 cm. - VXY does not look reliable				
Statistics	Calculated from t=104 to 2106sec (n=20017).				
series	MinmaxmeanstdUnit				
DISCHARGE					m³/s
WH_CREST	0,217	0,228	0,222	0,002	m
WH_UPPER	0,082	0,113	0,105	0,002	m
WH_MOBILE	0,132	0,185	0,160	0,006	m
WH_LOWER	0,063	0,410	0,148	0,018	m
VXY_UPPER	0,28	0,66	0,49	0,04	m/s
VXY_MOBILE					m/s



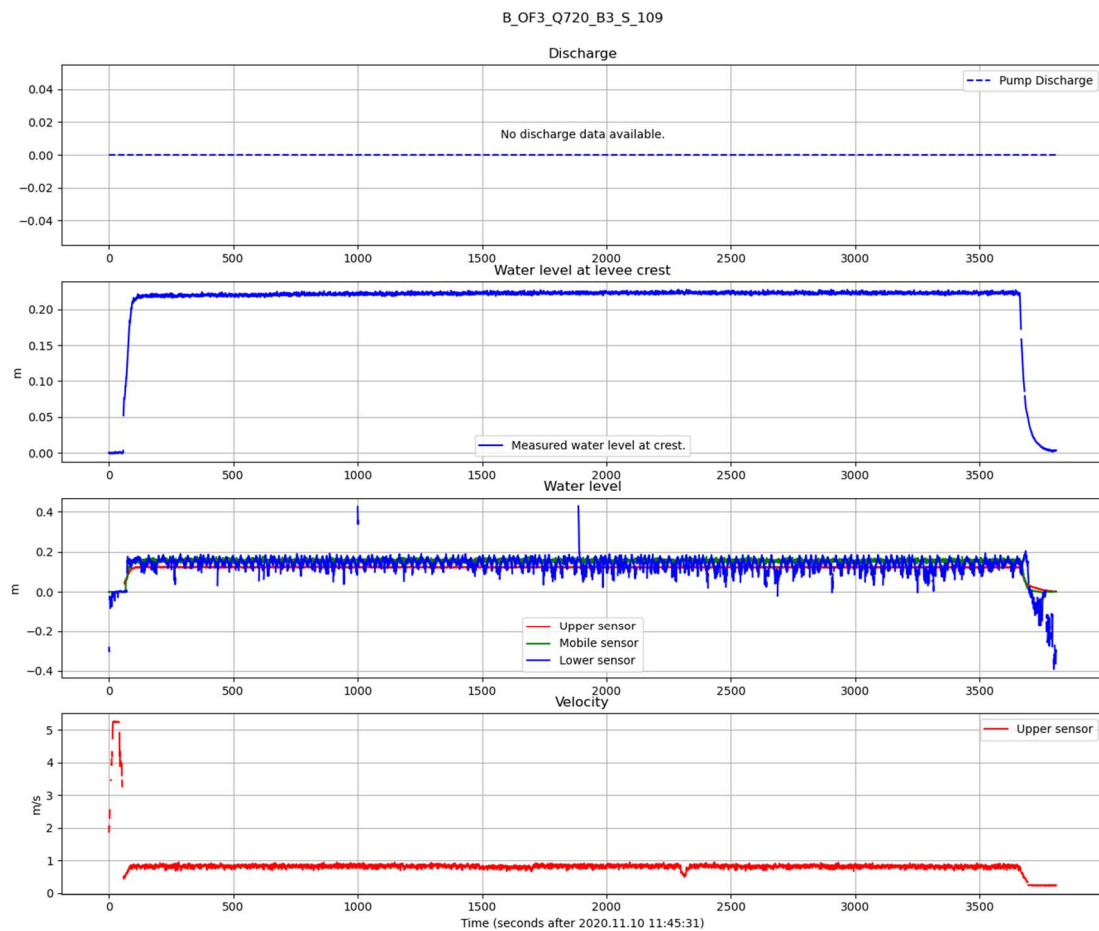
C.2 B-OF03: Block 2

Start – stop	10/11/2020 11:34				
Stop	10/11/2020 12:34				
Duration	60 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/sec				
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.1 cm. - VXY does not look reliable.				
Statistics	Calculated from t=121 to 3636sec (n=35153).				
series	MinmaxmeanstdUnit				
DISCHARGE					m³/s
WH_CREST	0,213	0,224	0,219	0,001	m
WH_UPPER	0,123	0,138	0,129	0,001	m
WH_MOBILE	0,134	0,188	0,160	0,006	m
WH_LOWER	0,274	0,416	0,373	0,019	m
VXY_UPPER	0,24	0,49	0,34	0,03	m/s
VXY_MOBILE					m/s



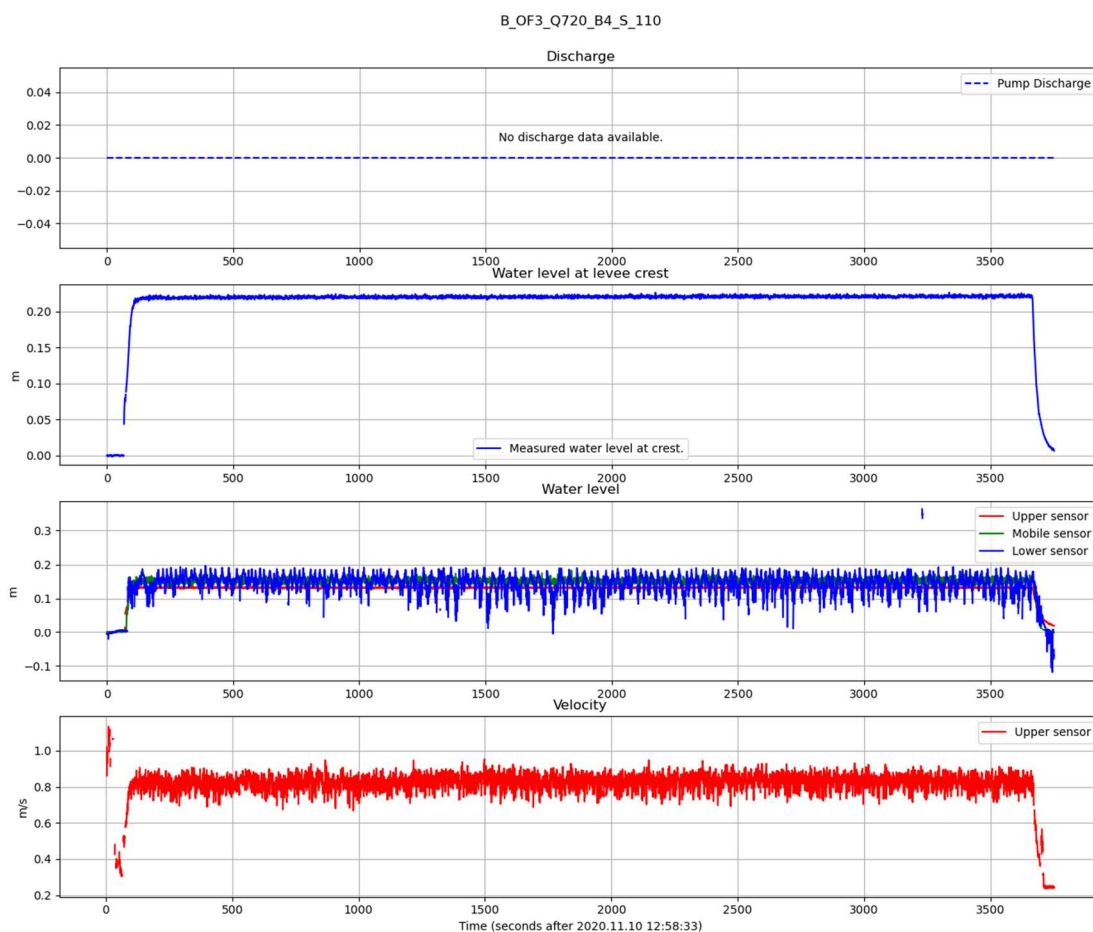
C.3 B-OF03: Block 3

Start – stop	10/11/20 12:46				
Stop	10/11/20 13:46				
Duration	60 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/sec				
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.7 cm. - VXY reliability is questionable				
Statistics	Calculated from t=130 to 3646sec (n=35154).				
series	MinmaxmeanstdUnit				
DISCHARGE					m³/s
WH_CREST	0,216	0,228	0,222	0,002	m
WH_UPPER	0,119	0,127	0,123	0,001	m
WH_MOBILE	0,134	0,179	0,156	0,006	m
WH_LOWER	-0,020	0,428	0,142	0,027	m
VXY_UPPER	0,50	0,95	0,82	0,04	m/s
VXY_MOBILE					m/s



C.4 B-OF03: Block 4

Start – stop	10/11/20 13:59				
Stop	10/11/20 14:59				
Duration	60 minutes				
Pump	Twin parallel Hidrostral F10K-HD				
Discharge	360 L/sec				
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.7 cm.				
Statistics	Calculated from t=136 to 3632 sec (n=34953).				
series	MinmaxmeanstdUnit				
DISCHARGE					m³/s
WH_CREST	0,214	0,226	0,220	0,001	m
WH_UPPER	0,128	0,136	0,133	0,001	m
WH_MOBILE	0,131	0,183	0,153	0,006	m
WH_LOWER	-0,034	0,363	0,147	0,025	m
VXY_UPPER	0,67	0,95	0,83	0,04	m/s
VXY_MOBILE					m/s

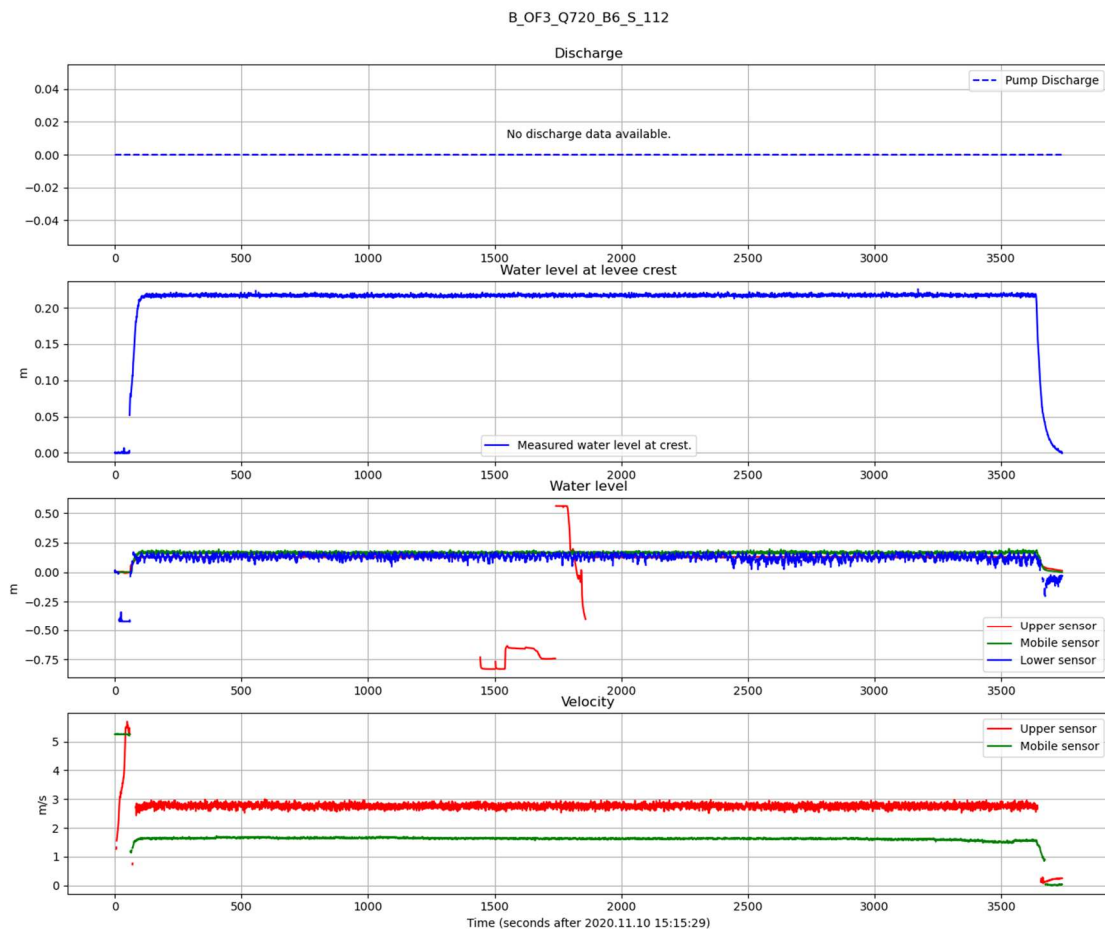


C.5 B-OF03: Block 5

Start - stop	10/11/20 15:09
Stop	10/11/20 16:08
Duration	59 minutes
Pump	Twin parallel Hidrostal F10K-HD
Discharge	360 L/sec
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.3 cm. - No data acquisition du to power failure.
Statistics	

C.6 B-OF03: Block 6

Start – stop	11/10/20 16:16																																										
Stop	11/10/20 17:16																																										
Duration	60 minutes																																										
Pump	Twin parallel Hidrostal F10K-HD																																										
Discharge	360 L/sec																																										
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.3 cm. - MOBILE current meter is situated on levee crest																																										
Statistics	Calculated from t=1876 to 3620 sec (n=17439).																																										
	<table><tr><td>series</td><td>Min</td><td>max</td><td>mean</td><td>std</td><td>Unit</td></tr><tr><td>WH_CREST</td><td>0,213</td><td>0,226</td><td>0,217</td><td>0,001</td><td>m</td></tr><tr><td>WH_UPPER</td><td>0,114</td><td>0,134</td><td>0,128</td><td>0,001</td><td>m</td></tr><tr><td>WH_MOBILE</td><td>0,144</td><td>0,198</td><td>0,164</td><td>0,006</td><td>m</td></tr><tr><td>WH_LOWER</td><td>0,023</td><td>0,174</td><td>0,129</td><td>0,022</td><td>m</td></tr><tr><td>VXY_MOBILE</td><td>1,471</td><td>1,674</td><td>1,608</td><td>0,036</td><td>m/s</td></tr><tr><td>VXY_UPPER</td><td>2,509</td><td>2,975</td><td>2,758</td><td>0,066</td><td>m/s</td></tr></table>	series	Min	max	mean	std	Unit	WH_CREST	0,213	0,226	0,217	0,001	m	WH_UPPER	0,114	0,134	0,128	0,001	m	WH_MOBILE	0,144	0,198	0,164	0,006	m	WH_LOWER	0,023	0,174	0,129	0,022	m	VXY_MOBILE	1,471	1,674	1,608	0,036	m/s	VXY_UPPER	2,509	2,975	2,758	0,066	m/s
series	Min	max	mean	std	Unit																																						
WH_CREST	0,213	0,226	0,217	0,001	m																																						
WH_UPPER	0,114	0,134	0,128	0,001	m																																						
WH_MOBILE	0,144	0,198	0,164	0,006	m																																						
WH_LOWER	0,023	0,174	0,129	0,022	m																																						
VXY_MOBILE	1,471	1,674	1,608	0,036	m/s																																						
VXY_UPPER	2,509	2,975	2,758	0,066	m/s																																						



C.7 B-OF03: Block 7

Start – stop	11/11/20 8:11																																																
Stop	11/11/20 9:11																																																
Duration	60 minutes																																																
Pump	Twin parallel Hidrosta F10K-HD																																																
Discharge	360 L/sec (340 L/s measured)																																																
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.7 cm. - MOBILE current meter is situated on levee crest																																																
Statistics	Calculated from t=1126 to 3650 sec (n=25233).																																																
<table><tr><td>series</td><td>Min</td><td>max</td><td>mean</td><td>std</td><td>Unit</td></tr><tr><td>DISCHARGE</td><td>0,270</td><td>0,375</td><td>0,340</td><td>0,012</td><td>m³/s</td></tr><tr><td>WH_CREST</td><td>0,218</td><td>0,228</td><td>0,223</td><td>0,001</td><td>m</td></tr><tr><td>WH_UPPER</td><td>0,117</td><td>0,126</td><td>0,122</td><td>0,001</td><td>m</td></tr><tr><td>WH_MOBILE</td><td>0,126</td><td>0,184</td><td>0,153</td><td>0,007</td><td>m</td></tr><tr><td>WH_LOWER</td><td>-0,130</td><td>0,397</td><td>0,108</td><td>0,033</td><td>m</td></tr><tr><td>VXY_MOBILE</td><td>1,654</td><td>1,779</td><td>1,727</td><td>0,016</td><td>m/s</td></tr><tr><td>VXY_UPPER</td><td>2,497</td><td>2,973</td><td>2,776</td><td>0,059</td><td>m/s</td></tr></table>		series	Min	max	mean	std	Unit	DISCHARGE	0,270	0,375	0,340	0,012	m³/s	WH_CREST	0,218	0,228	0,223	0,001	m	WH_UPPER	0,117	0,126	0,122	0,001	m	WH_MOBILE	0,126	0,184	0,153	0,007	m	WH_LOWER	-0,130	0,397	0,108	0,033	m	VXY_MOBILE	1,654	1,779	1,727	0,016	m/s	VXY_UPPER	2,497	2,973	2,776	0,059	m/s
series	Min	max	mean	std	Unit																																												
DISCHARGE	0,270	0,375	0,340	0,012	m³/s																																												
WH_CREST	0,218	0,228	0,223	0,001	m																																												
WH_UPPER	0,117	0,126	0,122	0,001	m																																												
WH_MOBILE	0,126	0,184	0,153	0,007	m																																												
WH_LOWER	-0,130	0,397	0,108	0,033	m																																												
VXY_MOBILE	1,654	1,779	1,727	0,016	m/s																																												
VXY_UPPER	2,497	2,973	2,776	0,059	m/s																																												

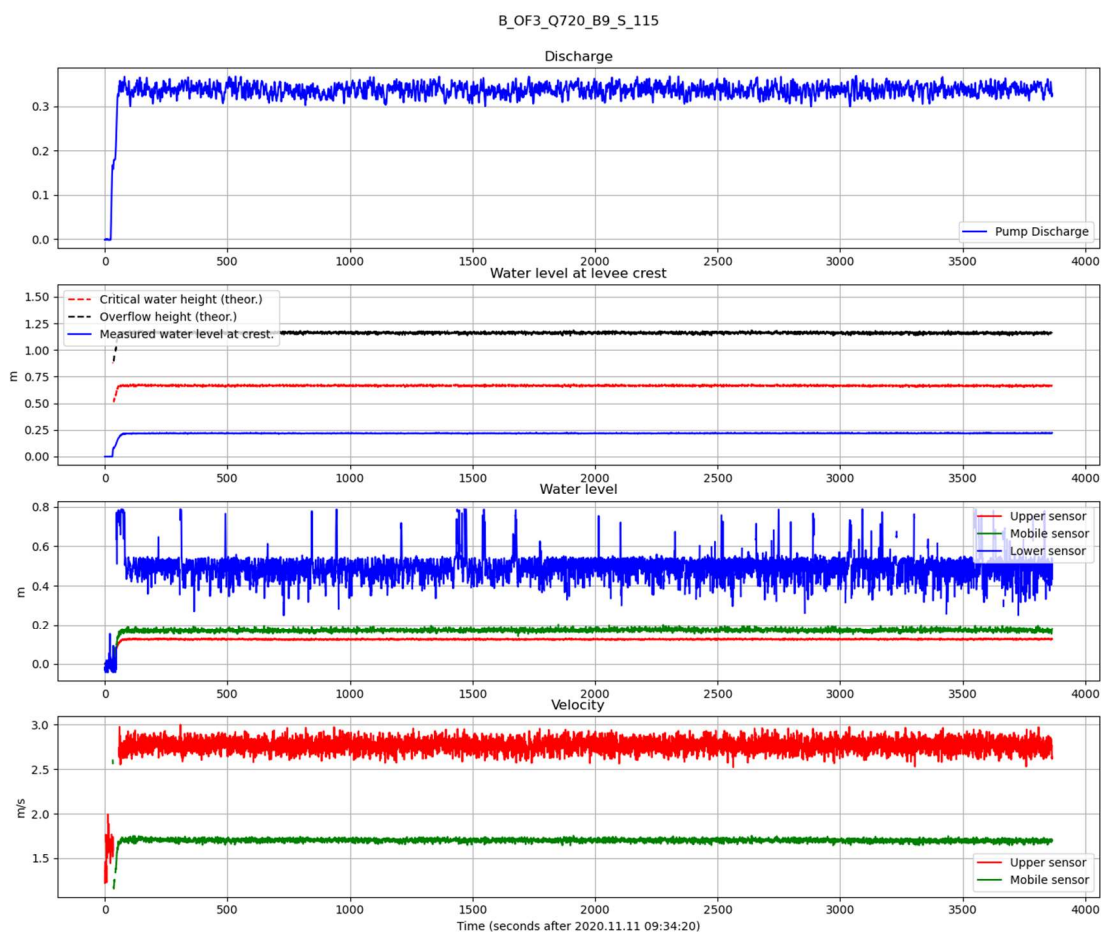


C.8 B-OF03: Block 8

Start – stop	11/11/20 9:20
Stop	11/11/20 10:20
Duration	60 minutes
Pump	Twin parallel Hidrosta F10K-HD
Discharge	360 L/sec
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.7 cm. - MOBILE current meter is situated on levee crest - No digital data acquisition due to power failure.
Statistics	

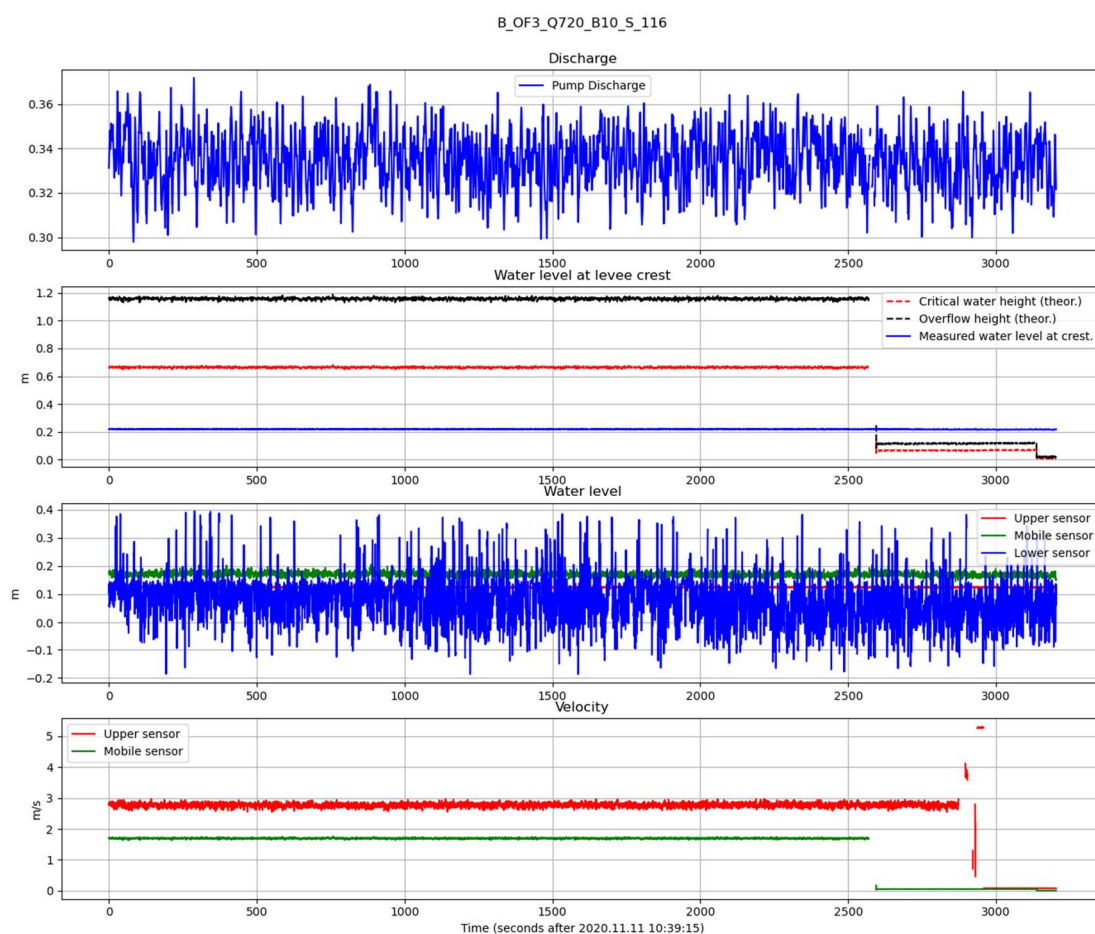
C.9 B-OF03: Block 9

Start – stop	11/10/20 10:34
Stop	11/10/20 11:38
Duration	64 minutes
Pump	Twin parallel Hidrosta F10K-HD
Discharge	360 L/sec
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.7 cm. - VXY_MOBILE placed on crest
Statistics	Calculated from t=70 to 3850 sec (n=37802).
series	MinmaxmeanstdUnit
DISCHARGE	0,2990,3690,3370,012m³/s
WH_CREST	0,2080,2230,2180,001m
WH_UPPER	0,1190,1290,1240,001m
WH_MOBILE	0,1400,2020,1720,007m
WH_LOWER	0,2020,7880,4960,057m
VXY_MOBILE	1,6441,7531,7010,015m/s
VXY_UPPER	2,5212,9982,7690,061m/s



C.10 B-OF03: Block 10

Start – stop	11/10/20 11:39																																																
Stop	11/10/20 12:35																																																
Duration	60 minutes																																																
Pump	Twin parallel Hidrostal F10K-HD																																																
Discharge	360 L/sec																																																
Notes	- 1 m wide section! - No overhead cameras - Crest water level measured by hand: 20.7 cm. - VXY_MOBILE placed on crest																																																
Statistics	Calculated from t=6 to 2902sec (n=28961).																																																
	<table><tr><th>series</th><th>Min</th><th>max</th><th>mean</th><th>std</th><th>Unit</th></tr><tr><td>DISCHARGE</td><td>0,298</td><td>0,372</td><td>0,335</td><td>0,012</td><td>m³/s</td></tr><tr><td>WH_CREST</td><td>0,213</td><td>0,223</td><td>0,218</td><td>0,001</td><td>m</td></tr><tr><td>WH_UPPER</td><td>0,119</td><td>0,129</td><td>0,125</td><td>0,001</td><td>m</td></tr><tr><td>WH_MOBILE</td><td>0,146</td><td>0,205</td><td>0,171</td><td>0,007</td><td>m</td></tr><tr><td>WH_LOWER</td><td>-0,187</td><td>0,394</td><td>0,084</td><td>0,082</td><td>m</td></tr><tr><td>VXY_MOBILE</td><td>0,032</td><td>1,762</td><td>1,519</td><td>0,508</td><td>m/s</td></tr><tr><td>VXY_UPPER</td><td>2,546</td><td>4,112</td><td>2,772</td><td>0,075</td><td>m/s</td></tr></table>	series	Min	max	mean	std	Unit	DISCHARGE	0,298	0,372	0,335	0,012	m³/s	WH_CREST	0,213	0,223	0,218	0,001	m	WH_UPPER	0,119	0,129	0,125	0,001	m	WH_MOBILE	0,146	0,205	0,171	0,007	m	WH_LOWER	-0,187	0,394	0,084	0,082	m	VXY_MOBILE	0,032	1,762	1,519	0,508	m/s	VXY_UPPER	2,546	4,112	2,772	0,075	m/s
series	Min	max	mean	std	Unit																																												
DISCHARGE	0,298	0,372	0,335	0,012	m³/s																																												
WH_CREST	0,213	0,223	0,218	0,001	m																																												
WH_UPPER	0,119	0,129	0,125	0,001	m																																												
WH_MOBILE	0,146	0,205	0,171	0,007	m																																												
WH_LOWER	-0,187	0,394	0,084	0,082	m																																												
VXY_MOBILE	0,032	1,762	1,519	0,508	m/s																																												
VXY_UPPER	2,546	4,112	2,772	0,075	m/s																																												



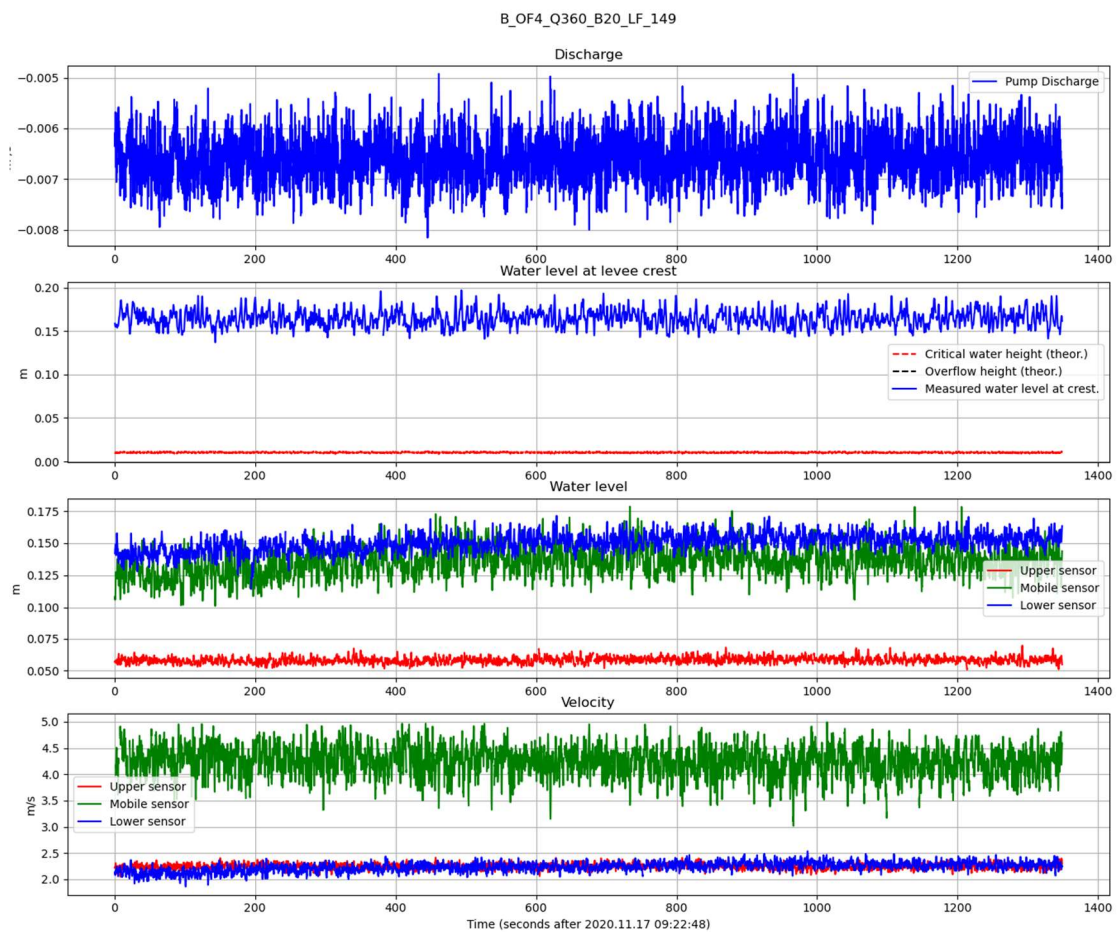
Annex D - B-OF04 Tree

The following timeseries details are reproduced in this section:

D.1 B-OF04: Block 1	57
D.2 B-OF04: Block 2	58
D.3 B-OF04: Block 3	59

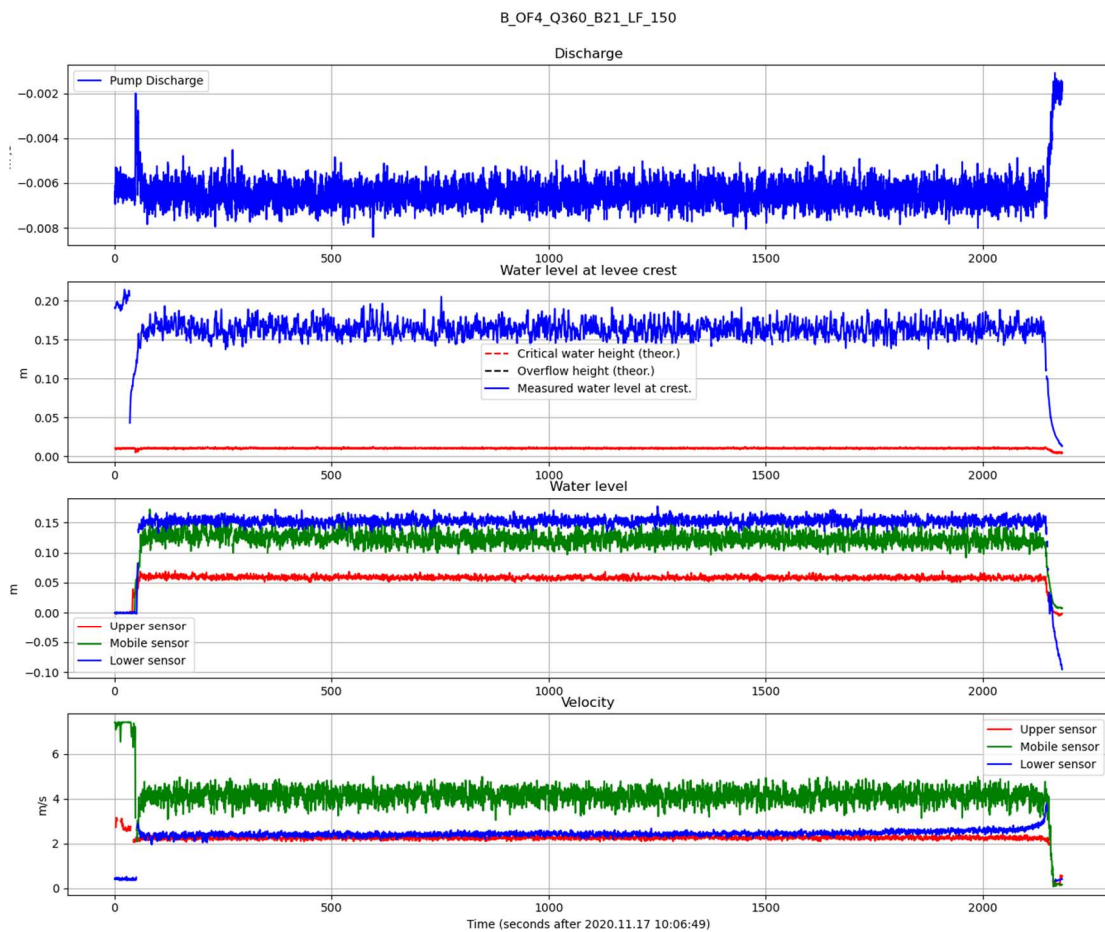
D.1 B-OF04: Block 1

Start	16/11/20 10:20				
Stop	16/11/20 10:45				
Duration	25 minutes				
Pump	Twin parallel Hidrostral F10K-HD				
Discharge	360 L/s (nominal)				
Notes	- Presumably, no T0 image is taken - Water level at crest: 11.3 cm by manual measurement - Error in file name numbering (B20 is really B1)				
Statistics	Calculated from t = 0 to 1368 seconds (n=13493).				
series	Min	max	mean	std	Unit
DISCHARGE					m³/s
WH_CREST	0.137	0.197	0.165	0.009	m
WH_UPPER	0.051	0.070	0.058	0.002	m
WH_LOWER	0.101	0.179	0.136	0.011	m
WH_MOBILE	0.114	0.171	0.150	0.007	m
VXY_UPPER	2.05	2.42	2.25	0.05	m/s
VXY_MOBILE	3.02	4.99	4.24	0.27	m/s
VXY_LOWER	1.86	2.54	2.24	0.09	m/s



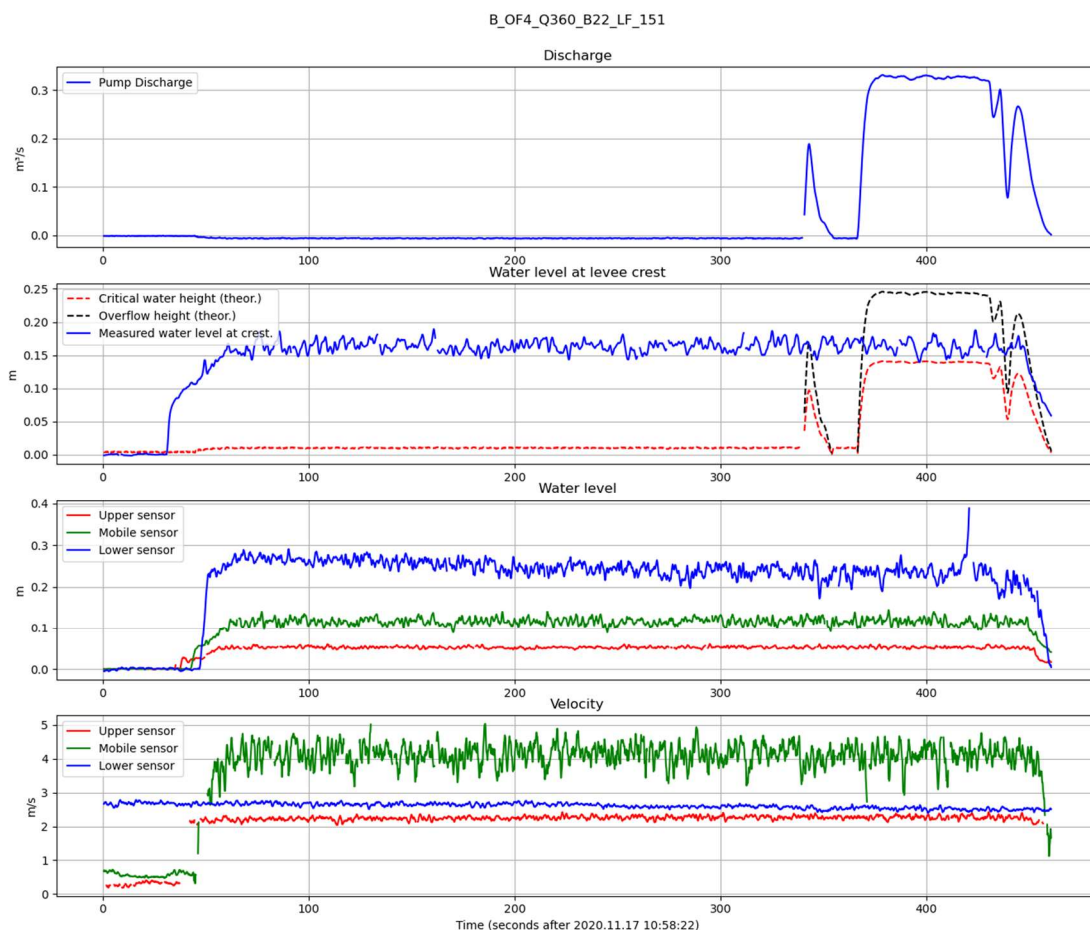
D.2 B-OF04: Block 2

Start	16/11/20 11:08
Stop	16/11/20 10:41
Duration	35 minutes
Pump	Twin parallel Hidrosta F10K-HD
Discharge	360 L/s (nominal)
Notes	- Water level at crest: 10.6 cm by manual measurement - Error in file name numbering (B21 is actually B2)
Statistics	Calculated from 71 to 2128 seconds (n=20579).
series	MinmaxmeanstdUnit
DISCHARGE	m³/s
WH_CREST	0.1370.2050.1640.009m
WH_UPPER	0.0510.0700.0580.002m
WH_LOWER	0.0910.1720.1230.010m
WH_MOBILE	0.1330.1770.1520.005m
VXY_UPPER	2.072.432.250.05m/s
VXY_MOBILE	3.055.004.150.29m/s
VXY_LOWER	1.962.952.440.10m/s



D.3 B-OF04: Block 3

Start	16/11/20 11:58				
Stop	16/11/20 12:05				
Duration	7 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	360 L/s (nominal); 327 L/s (measurement)				
Notes	- Error in file name numbering (B22 is actually B3)				
Statistics	Calculated from 381 to 426 seconds (n=448).				
series	Min	max	mean	std	Unit
DISCHARGE	0.321	0.331	0.327	0.002	m³/s
WH_CREST	0.139	0.188	0.162	0.011	m
WH_UPPER	0.047	0.057	0.052	0.002	m
WH_LOWER	0.095	0.144	0.115	0.009	m
WH_MOBILE	0.201	0.389	0.240	0.022	m
VXY_UPPER	2.14	2.40	2.28	0.05	m/s
VXY_MOBILE	2.93	4.67	4.07	0.33	m/s
VXY_LOWER	2.40	2.63	2.51	0.04	m/s



Annex E - B-OF05 Slope anomaly (cliff)

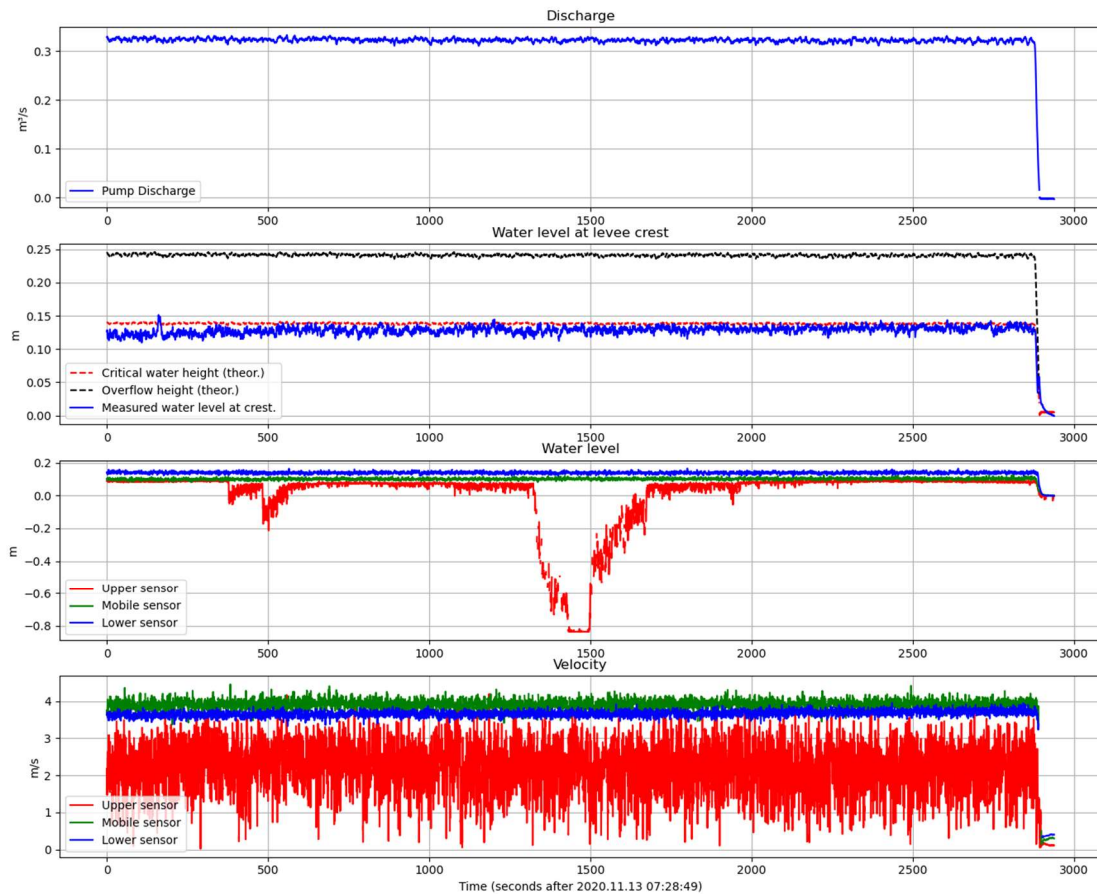
The following timeseries details are reproduced in this section:

E.1 B-OF05: Block 1	61
E.2 B-OF05: Block 2	62
E.3 B-OF05: Block 3	63
E.4 B-OF05: Block 4	64
E.5 B-OF05: Block 5	65
E.6 B-OF05: Block 6	66
E.7 B-OF05: Block 7	67
E.8 B-OF05: Block 8	68
E.9 B-OF05: Block 9	69
E.10 B-OF05: Block 10	70
E.11 B-OF05: Block 11	71
E.12 B-OF05: Block 12	72
E.13 B-OF05: Block 13	73
E.14 B-OF05: Block 14	74
E.15 B-OF05: Block 15	75
E.16 B-OF05: Block 16	76
E.17 B-OF05: Block 17	77

E.1 B-OF05: Block 1

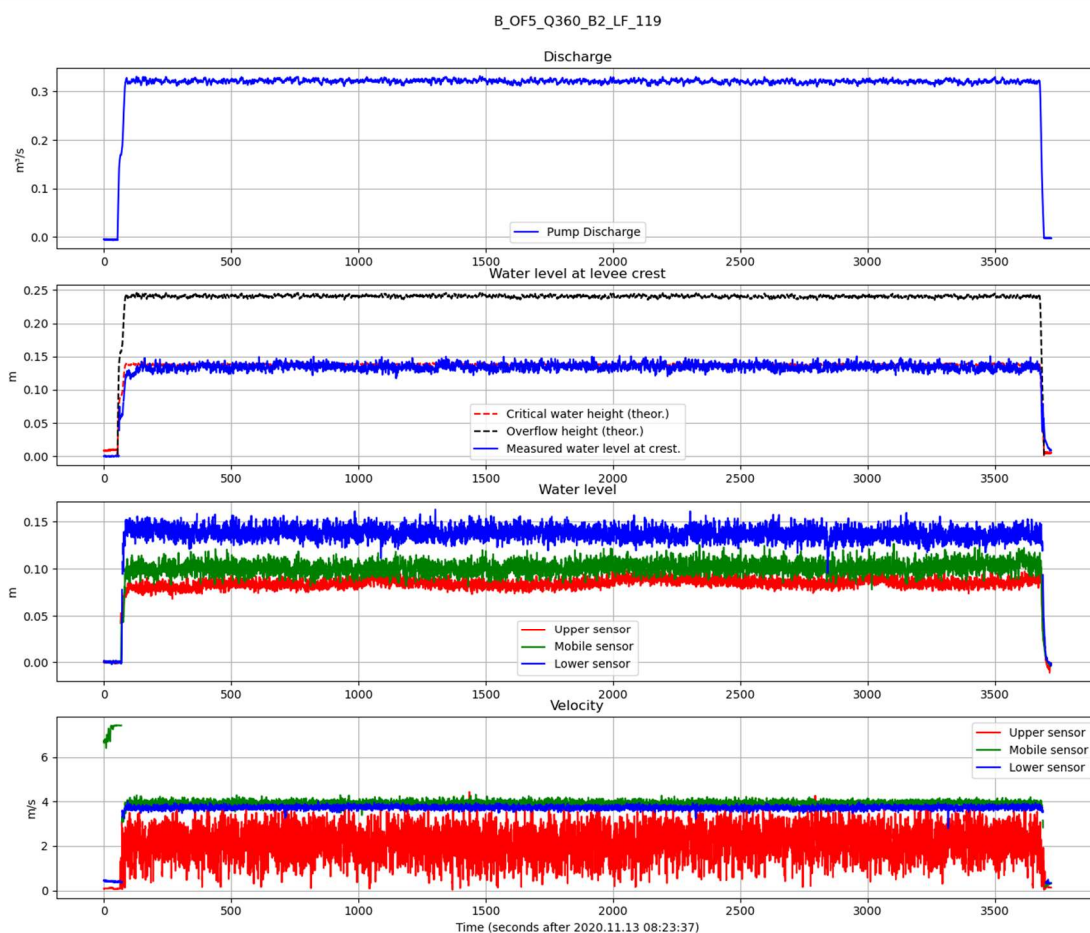
Start	13/11/2020 8:26				
Stop	13/11/2020 9:17				
Duration	1 hour 2 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=1692 to 2865sec (n=11737).				
series	Min	max	mean	std	Unit
DISCHARGE	0.311	0.330	0.321	0.003	m³/s
WH_CREST	0.115	0.144	0.131	0.004	m
WH_UPPER	-0.056	0.105	0.078	0.017	m
WH_MOBILE	0.087	0.125	0.102	0.005	m
WH_LOWER	0.115	0.165	0.139	0.006	m
WH_MOBILE	0.11	4.04	2.15	0.61	m
VXY_UPPER	3.45	4.41	3.92	0.11	m/s
VXY_LOWER	3.39	3.95	3.69	0.07	m/s

B_OF5_Q720_B1_S_118



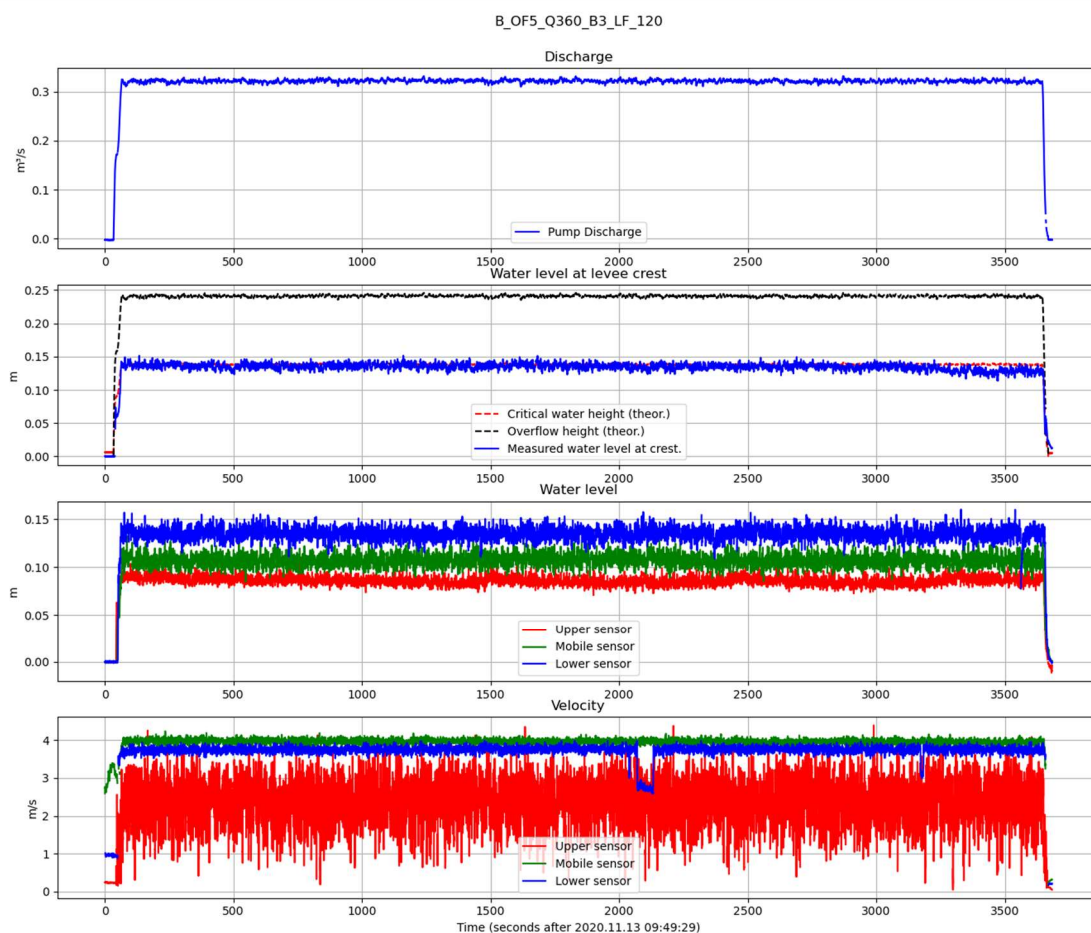
E.2 B-OF05: Block 2

Start – stop	13/11/2020 9:23				
Stop	13/11/2020 10:25				
Duration	1 hour 2 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=105 to 3669 sec (n=35642).				
series	Min	max	mean	std	Unit
DISCHARGE	0.310	0.332	0.321	0.003	m³/s
WH_CREST	0.117	0.151	0.135	0.005	m
WH_UPPER	0.068	0.105	0.085	0.004	m
WH_MOBILE	0.078	0.127	0.101	0.006	m
WH_LOWER	0.095	0.163	0.138	0.006	m
WH_MOBILE	0.03	4.43	2.16	0.62	m
VXY_UPPER	3.39	4.31	3.93	0.09	m/s
VXY_LOWER	2.80	4.01	3.73	0.07	m/s



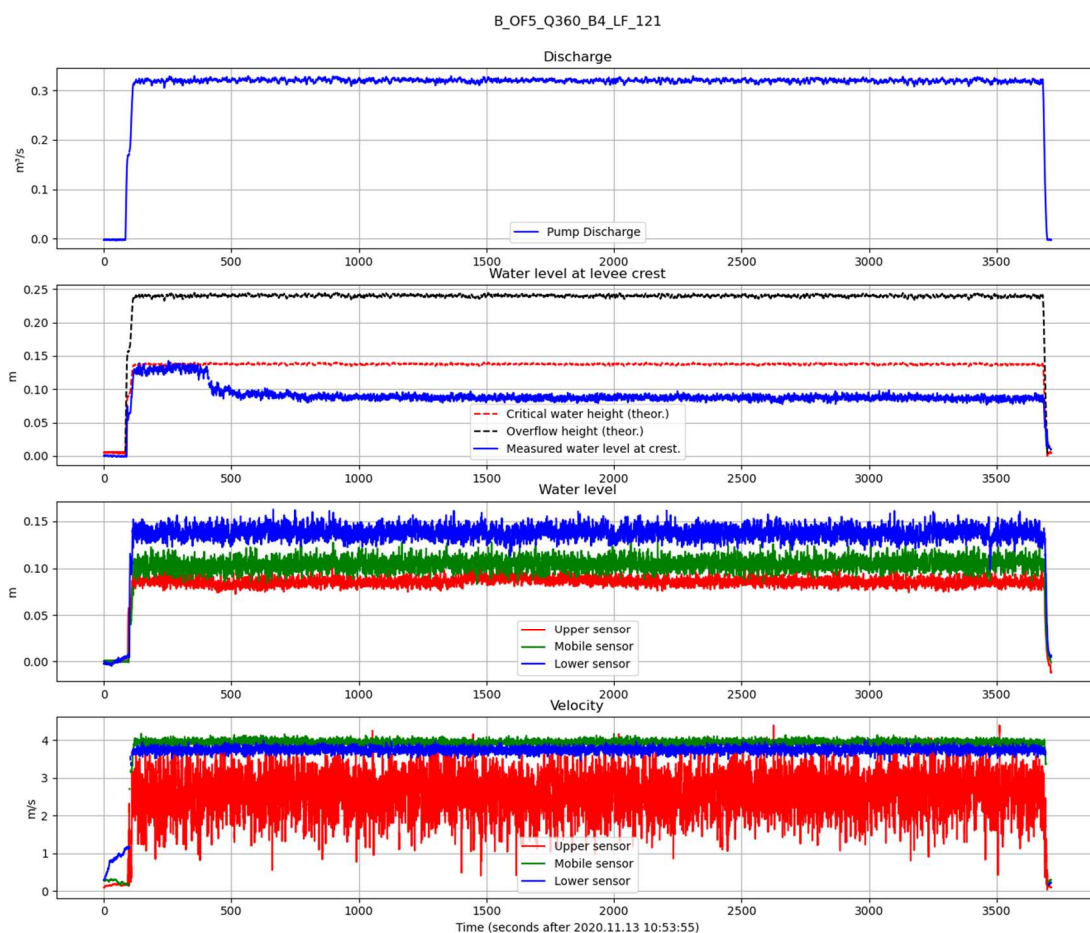
E.3 B-OF05: Block 3

Start – stop	13/11/2020 10:49				
Stop	13/11/2020 11:50				
Duration	1 hour 1 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=77 to 3625 sec (n=35475).				
series	Min	max	mean	std	Unit
DISCHARGE	0.310	0.332	0.322	0.003	m³/s
WH_CREST	0.114	0.151	0.135	0.005	m
WH_UPPER	0.071	0.104	0.086	0.004	m
WH_MOBILE	0.085	0.136	0.107	0.006	m
WH_LOWER	0.078	0.160	0.135	0.006	m
WH_MOBILE	0.04	4.40	2.38	0.57	m
VXY_UPPER	3.70	4.24	3.97	0.06	m/s
VXY_LOWER	2.59	3.99	3.73	0.15	m/s



E.4 B-OF05: Block 4

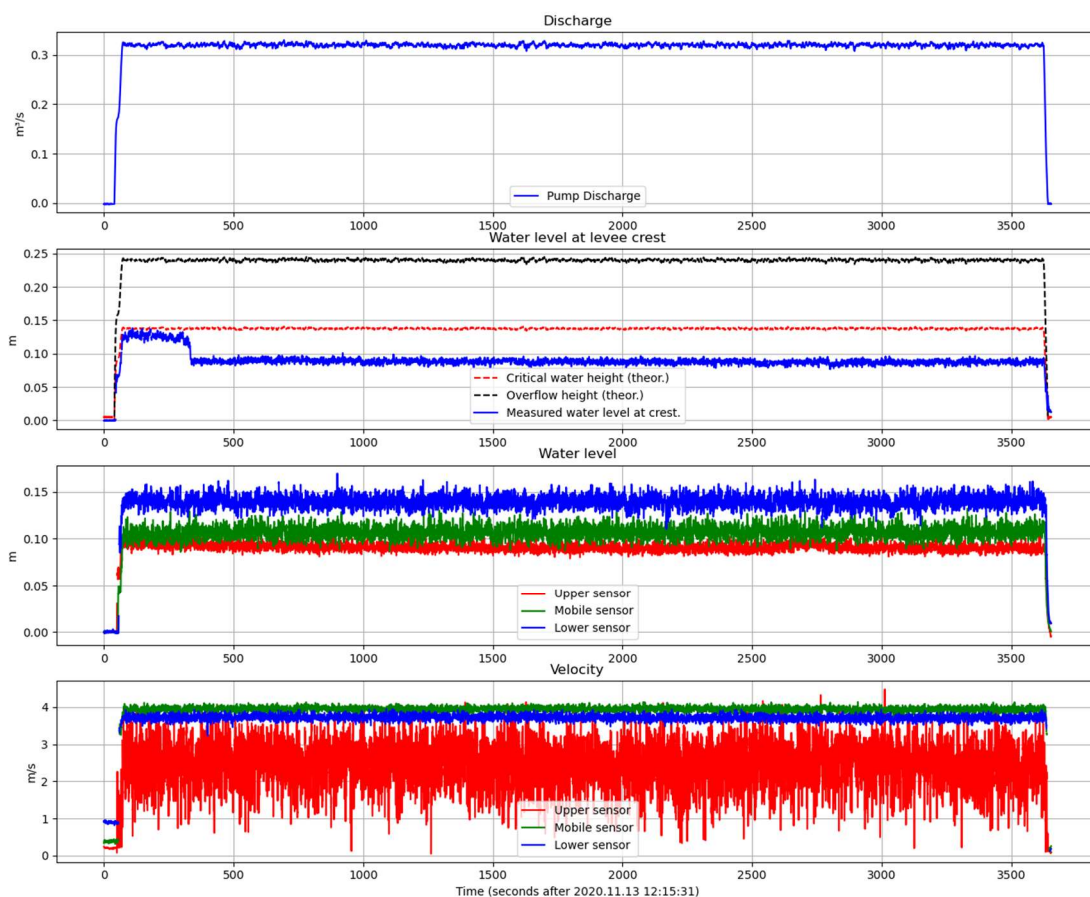
Start – stop	13/11/2020 11:55				
Stop	13/11/2020 12:55				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=127 to 3662 sec (n=35345).				
series	Min	max	mean	std	Unit
DISCHARGE	0.305	0.329	0.320	0.003	m³/s
WH_CREST	0.077	0.143	0.091	0.012	m
WH_UPPER	0.072	0.106	0.086	0.004	m
WH_MOBILE	0.083	0.128	0.104	0.006	m
WH_LOWER	0.098	0.163	0.138	0.006	m
WH_MOBILE	0.41	4.39	2.61	0.49	m
VXY_UPPER	3.59	4.17	3.94	0.06	m/s
VXY_LOWER	3.42	4.00	3.74	0.07	m/s



E.5 B-OF05: Block 5

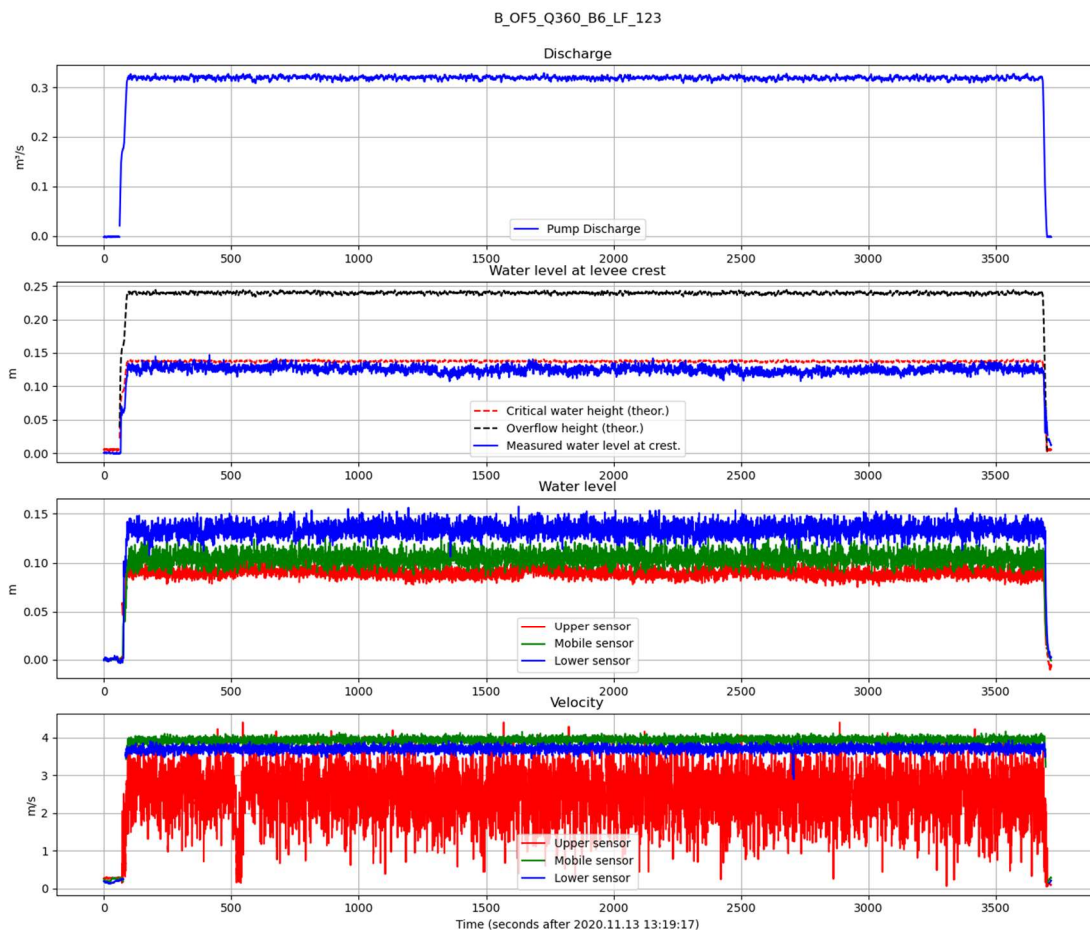
Start – stop	13/11/2020 13:16				
Stop	13/11/2020 14:15				
Duration	59 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=77 to 3595 sec (n=35181).				
series	Min	max	mean	std	Unit
DISCHARGE	0.308	0.330	0.320	0.003	m³/s
WH_CREST	0.077	0.138	0.091	0.010	m
WH_UPPER	0.079	0.111	0.091	0.004	m
WH_MOBILE	0.086	0.132	0.107	0.006	m
WH_LOWER	0.110	0.169	0.140	0.006	m
WH_MOBILE	0.05	4.48	2.45	0.55	m
VXY_UPPER	3.65	4.14	3.95	0.06	m/s
VXY_LOWER	3.23	3.95	3.72	0.06	m/s

B_OF5_Q360_B5_LF_122



E.6 B-OF05: Block 6

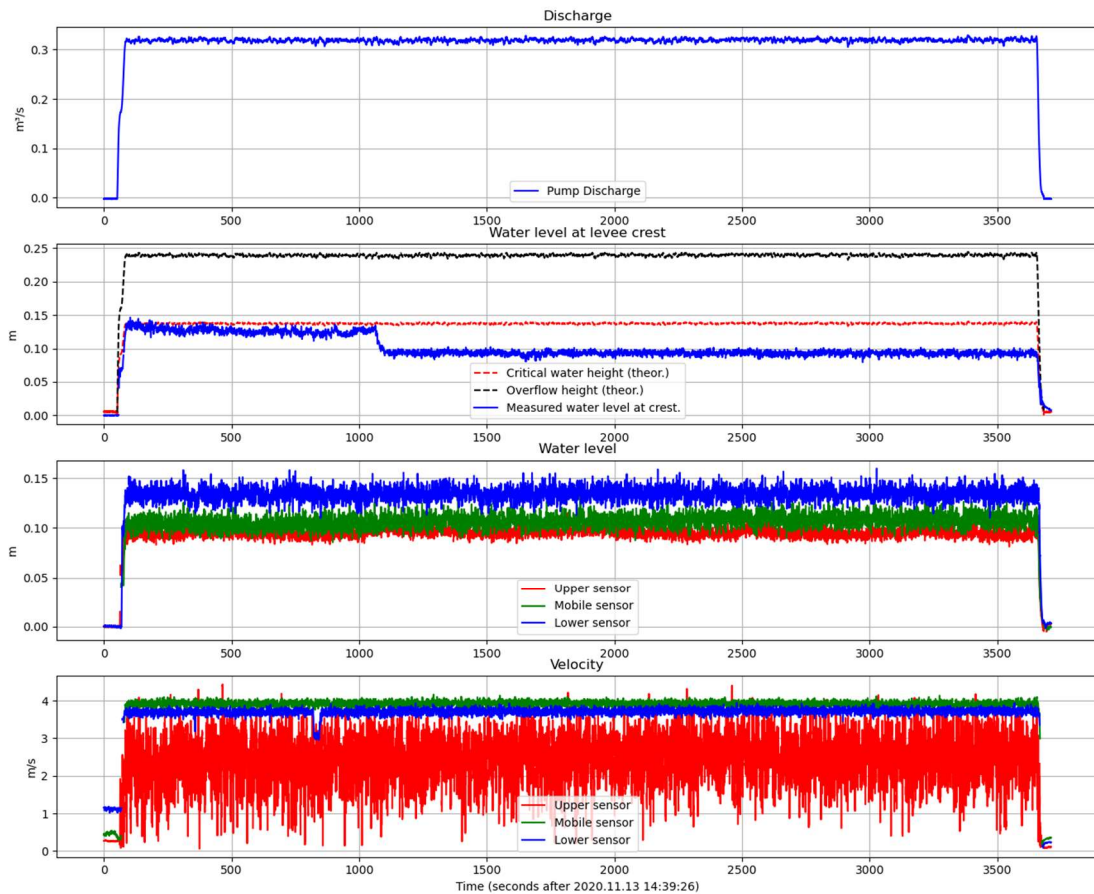
Start – stop	13/11/2020 14:20				
Stop	13/11/2020 15:20				
Duration	60 minutes				
Pump	Twin parallel Hidrostral F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=116 to 3653 sec (n=35370).				
series	Min	max	mean	std	Unit
DISCHARGE	0.308	0.329	0.319	0.003	m³/s
WH_CREST	0.107	0.147	0.125	0.005	m
WH_UPPER	0.075	0.109	0.090	0.004	m
WH_MOBILE	0.086	0.132	0.105	0.006	m
WH_LOWER	0.106	0.158	0.134	0.006	m
WH_MOBILE	0.06	4.40	2.51	0.58	m
VXY_UPPER	3.61	4.16	3.93	0.06	m/s
VXY_LOWER	2.89	3.93	3.70	0.07	m/s



E.7 B-OF05: Block 7

Start – stop	13/11/2020 15:40				
Stop	13/11/2020 16:40				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=105 to 3636 sec (n=35314).				
series	Min	max	mean	std	Unit
DISCHARGE	0.305	0.329	0.319	0.003	m³/s
WH_CREST	0.079	0.145	0.102	0.015	m
WH_UPPER	0.081	0.116	0.095	0.004	m
WH_MOBILE	0.086	0.134	0.107	0.006	m
WH_LOWER	0.110	0.160	0.134	0.006	m
WH_MOBILE	0.06	4.44	2.45	0.59	m
VXY_UPPER	3.57	4.16	3.92	0.06	m/s
VXY_LOWER	2.96	3.94	3.71	0.08	m/s

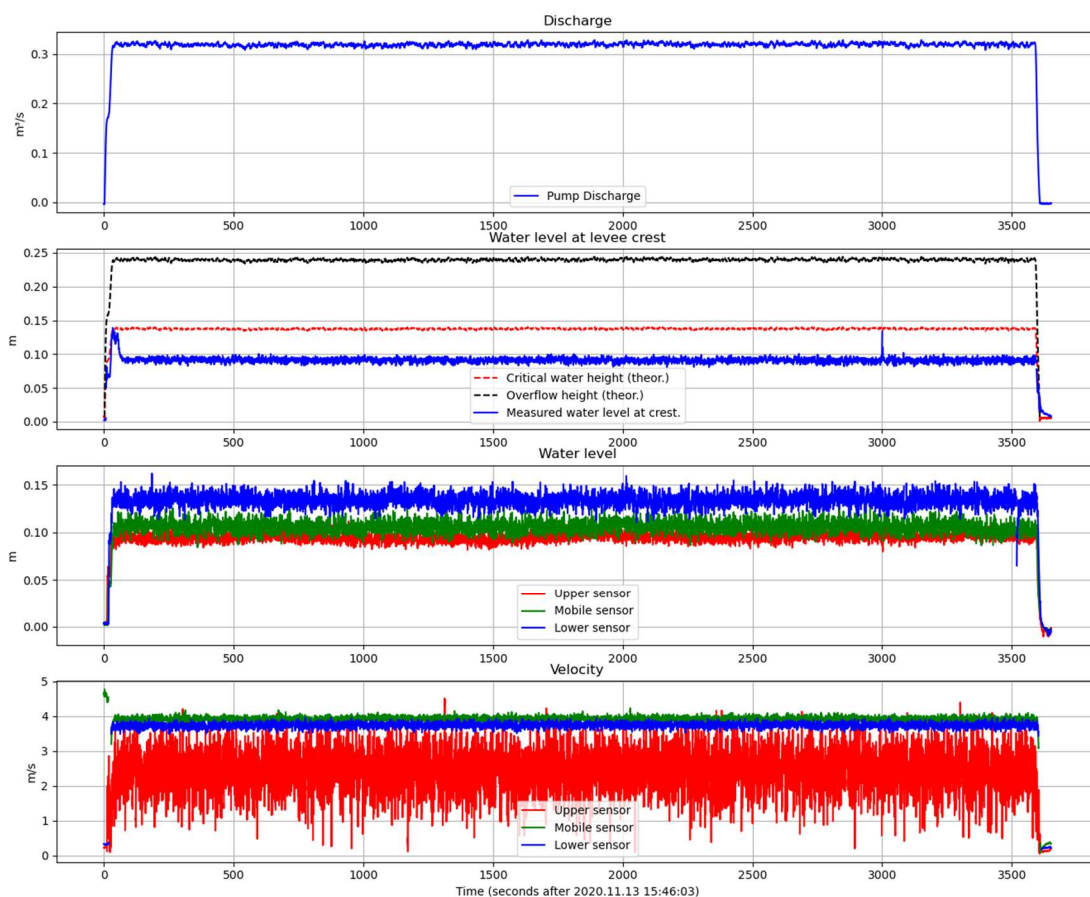
B_OF5_Q360_B7_LF_124



E.8 B-OF05: Block 8

Start – stop	13/11/2020 16:46				
Stop	13/11/2020 17:46				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=47 to 3556 sec (n=35084).				
series	Min	max	mean	std	Unit
DISCHARGE	0.309	0.328	0.319	0.003	m³/s
WH_CREST	0.081	0.133	0.091	0.004	m
WH_UPPER	0.080	0.115	0.095	0.004	m
WH_MOBILE	0.084	0.128	0.106	0.006	m
WH_LOWER	0.065	0.162	0.134	0.006	m
WH_MOBILE	0.09	4.51	2.44	0.56	m
VXY_UPPER	3.60	4.23	3.91	0.06	m/s
VXY_LOWER	3.48	3.96	3.74	0.06	m/s

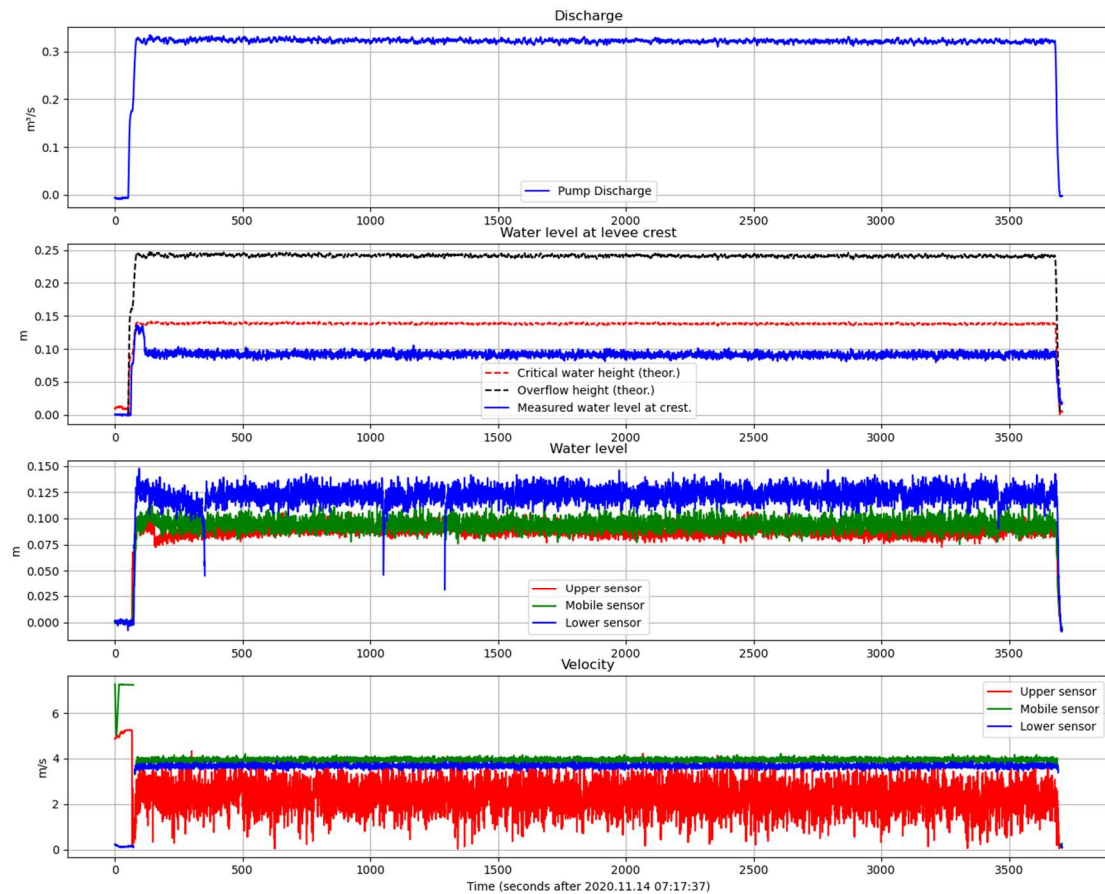
B_OF5_Q360_B8_LF_125



E.9 B-OF05: Block 9

Start – stop	14/11/2020 8:18				
Stop	14/11/2020 9:19				
Duration	1 hour 1 minute				
Pump	Twin parallel Hidrostral F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe				
Statistics	Calculated from t=93 to 3663 sec (n=35702).				
series	Min	max	mean	std	Unit
DISCHARGE	0.311	0.334	0.322	0.003	m³/s
WH_CREST	0.079	0.135	0.092	0.004	m
WH_UPPER	0.072	0.106	0.088	0.004	m
WH_MOBILE	0.075	0.118	0.094	0.005	m
WH_LOWER	0.031	0.148	0.122	0.007	m
WH_MOBILE	0.03	4.33	2.35	0.58	m
VXY_UPPER	3.54	4.22	3.94	0.07	m/s
VXY_LOWER	3.41	3.92	3.68	0.06	m/s

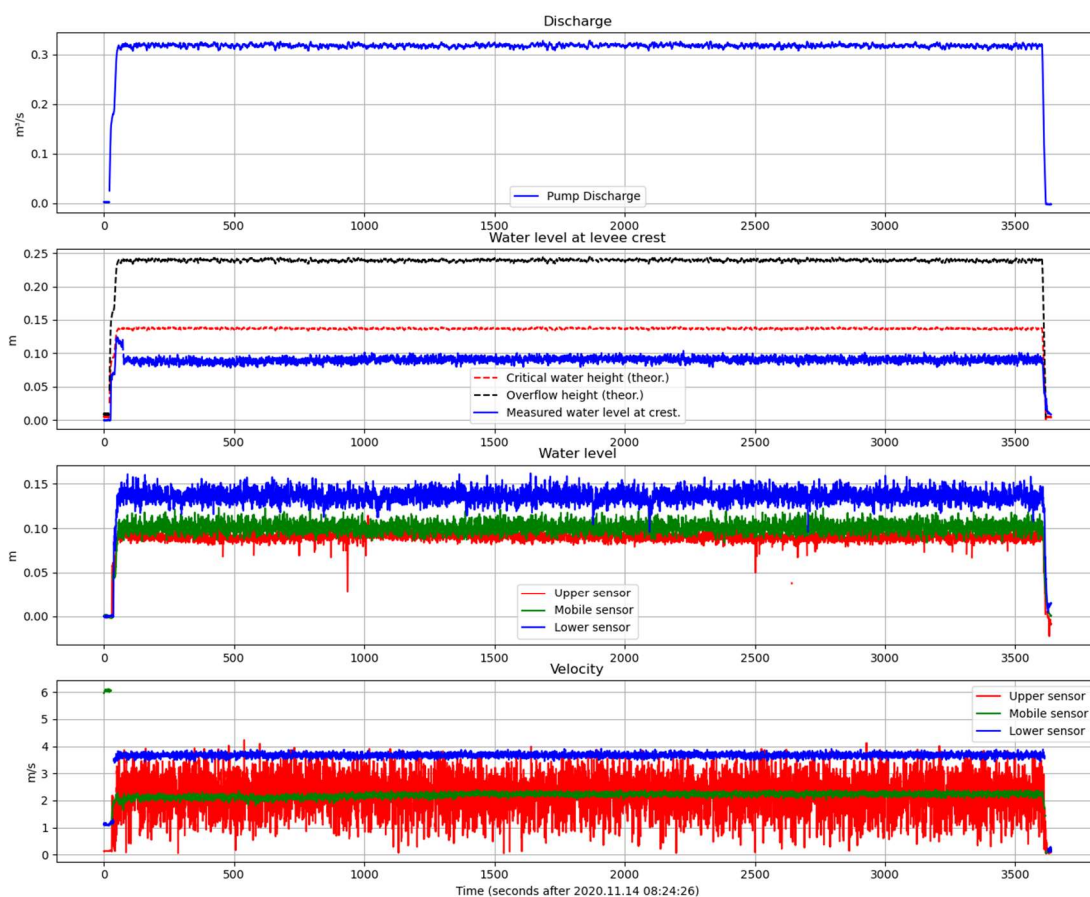
B_OF5_Q360_B9_LF_126



E.10 B-OF05: Block 10

Start – stop	14/11/2020 9:24				
Stop	14/11/2020 10:24				
Duration	60 minutes				
Pump	Twin parallel Hidrostral F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - Valeport MOBILE has been moved to the crest (current meter).				
Statistics	Calculated from t=73 to 3594 sec (n=35212).				
series	Min	max	mean	std	Unit
DISCHARGE	0.307	0.328	0.318	0.003	m³/s
WH_CREST	0.078	0.118	0.090	0.004	m
WH_UPPER	0.029	0.114	0.091	0.004	m
WH_MOBILE	0.084	0.124	0.101	0.005	m
WH_LOWER	0.096	0.162	0.136	0.006	m
WH_MOBILE	0.05	4.23	2.23	0.62	m
VXY_UPPER	1.65	2.40	2.20	0.08	m/s
VXY_LOWER	3.42	3.91	3.67	0.07	m/s

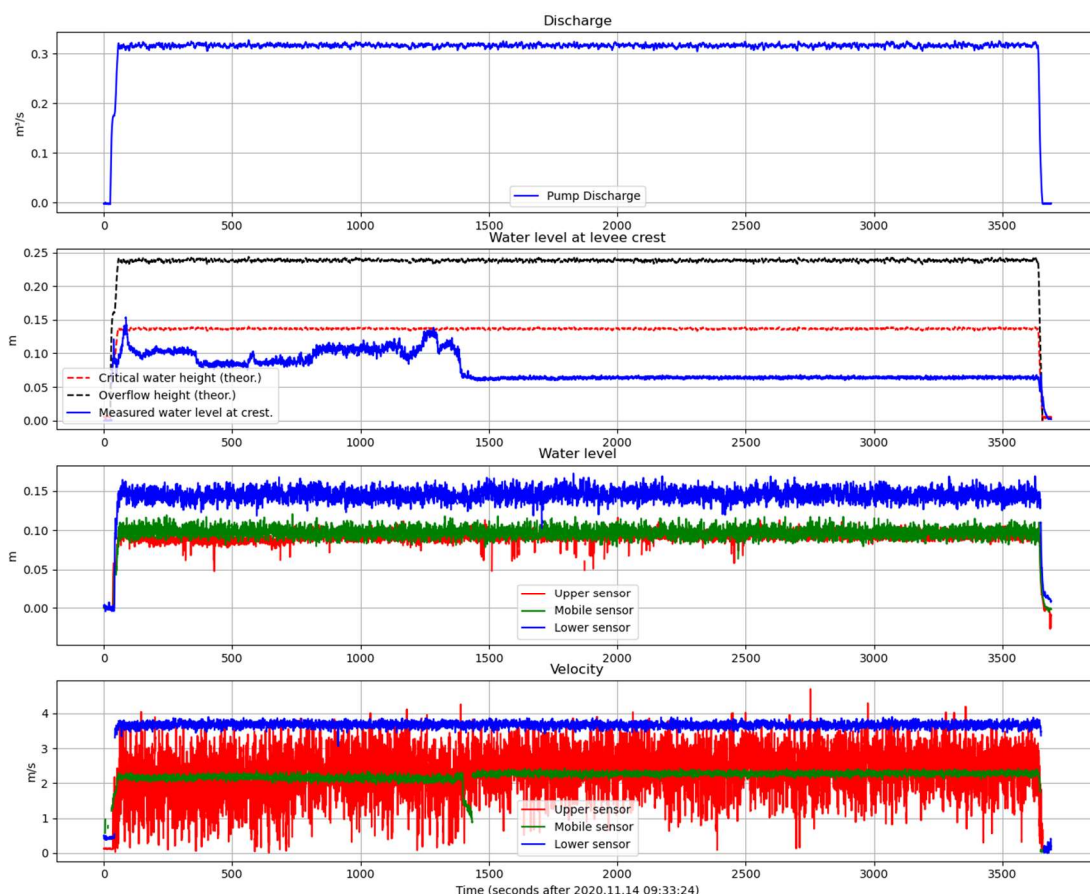
B_OF5_Q360_B10_LF_127



E.11 B-OF05: Block 11

Start – stop	14/11/2020 10:34				
Stop	14/11/2020 11:34				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - Valeport MOBILE has been moved to the crest (current meter).				
Statistics	Calculated from t=84 to 3614 sec (n=35297).				
series	Min	max	mean	std	Unit
DISCHARGE	0.304	0.328	0.317	0.003	m³/s
WH_CREST	0.061	0.070	0.065	0.001	m
WH_UPPER	0.059	0.114	0.092	0.004	m
WH_MOBILE	0.081	0.122	0.097	0.005	m
WH_LOWER	0.054	0.150	0.124	0.007	m
WH_MOBILE	2.31	3.08	2.68	0.07	m
VXY_UPPER	2.05	2.47	2.29	0.05	m/s
VXY_LOWER	3.40	3.94	3.66	0.06	m/s

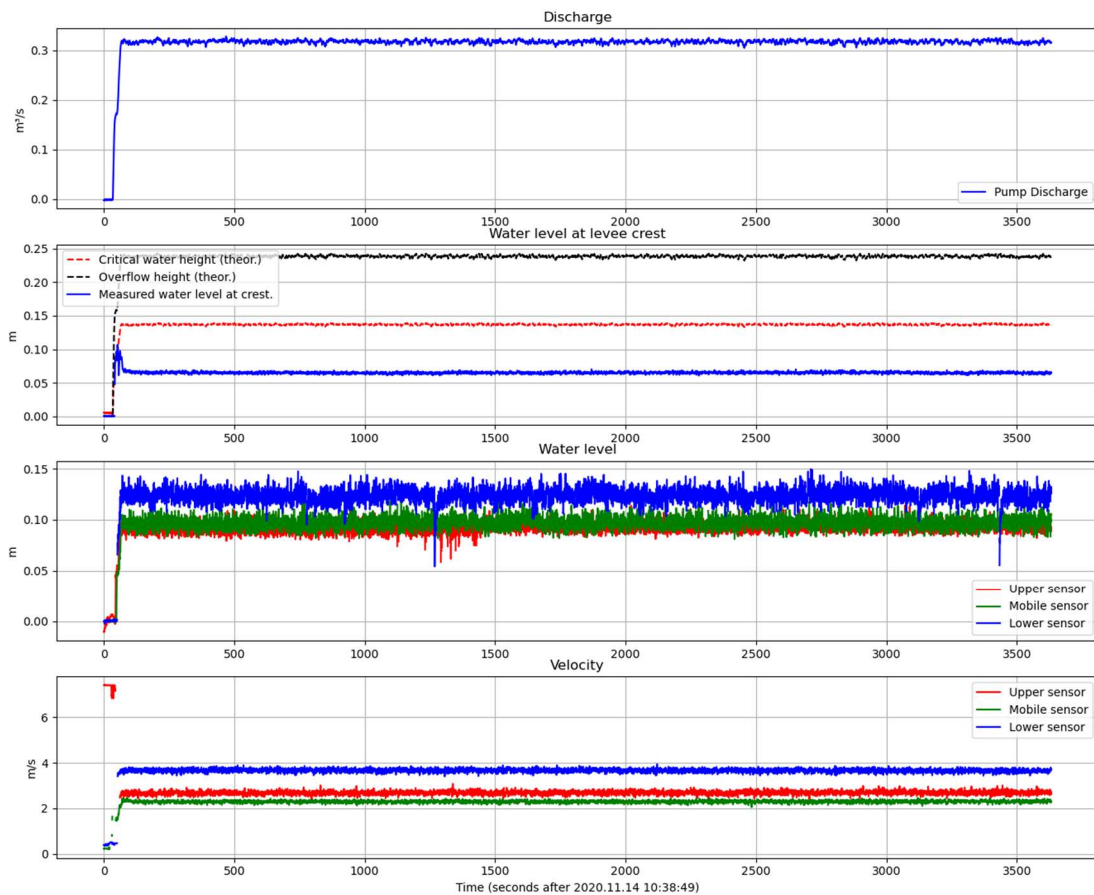
B_OF5_Q360_B11_S_130



E.12 B-OF05: Block 12

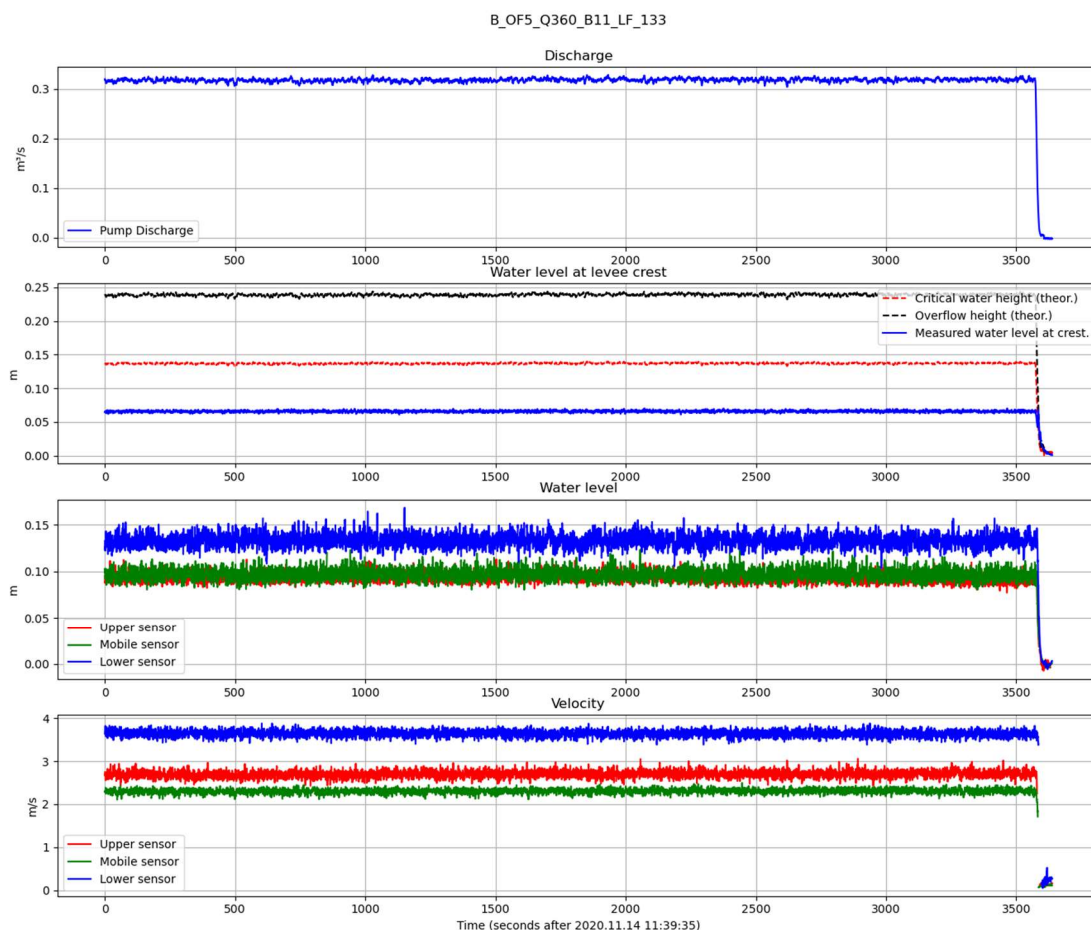
Start – stop	14/11/2020 10:34				
Stop	14/11/2020 11:34				
Duration	60 minutes				
Pump	Twin parallel Hidrostral F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - Filename erroneously contains “B11” instead of “B12” - Stop and go (pump not stopped at end of block) - VXY_MOBILE is situated on crest				
Statistics	Calculated from t=3 to 3557 sec (n=35543).				
series	Min	max	mean	std	Unit
DISCHARGE	0.304	0.328	0.318	0.003	m³/s
WH_CREST	0.061	0.070	0.066	0.001	m
WH_UPPER	0.077	0.113	0.093	0.004	m
WH_MOBILE	0.080	0.123	0.097	0.005	m
WH_LOWER	0.103	0.168	0.133	0.006	m
WH_MOBILE	2.43	3.06	2.70	0.07	m
VXY_UPPER	2.11	2.50	2.30	0.05	m/s
VXY_LOWER	3.38	3.88	3.64	0.06	m/s

B_OF5_Q360_B11_LF_132



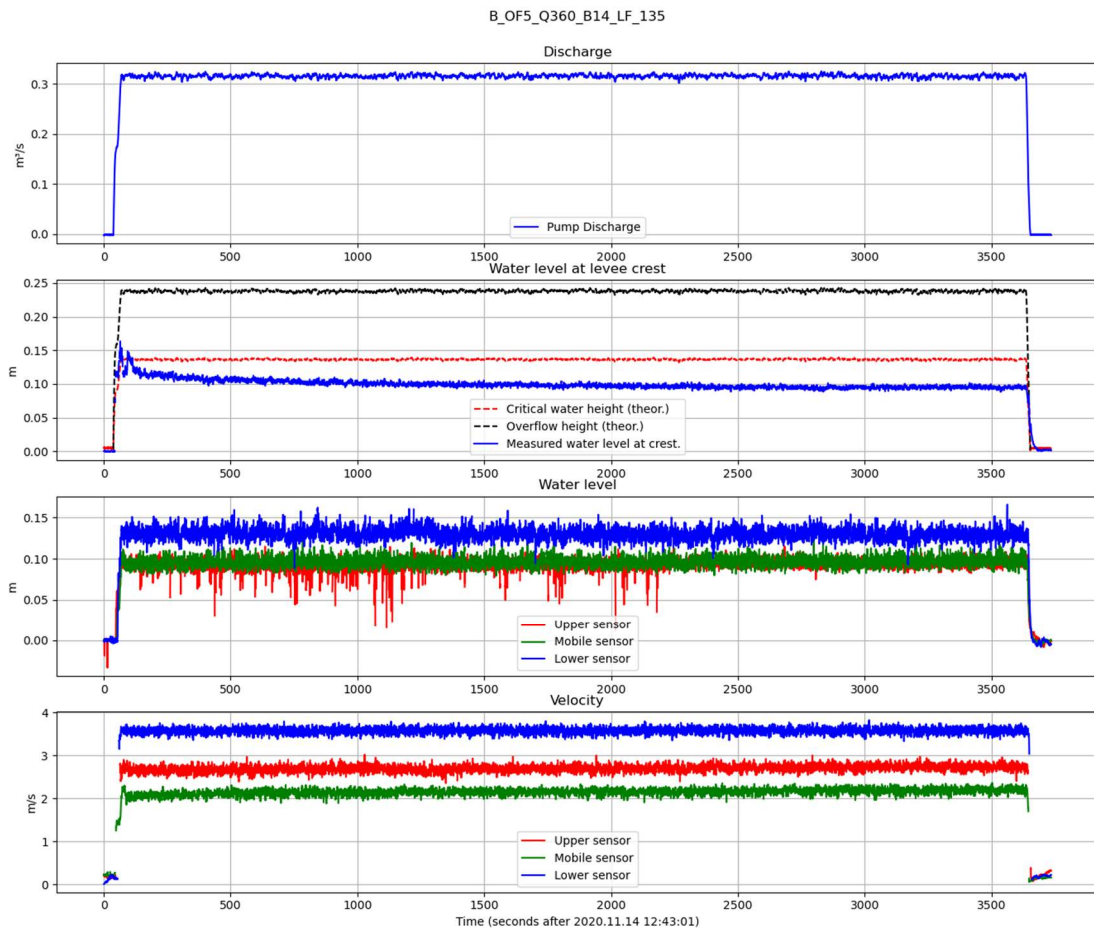
E.13 B-OF05: Block 13

Start – stop	14/11/2020 11:38				
Stop	14/11/2020 12:39				
Duration	1 hour 1 minute				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - Stop and go (continuation from previous block) - VXY_MOBILE is situated on crest				
Statistics	Calculated from t=85 to 3594 sec (n=35085).				
series	Min	max	mean	std	Unit
DISCHARGE	0.305	0.327	0.316	0.003	m³/s
WH_CREST	0.059	0.154	0.077	0.019	m
WH_UPPER	-0.037	0.116	0.092	0.005	m
WH_MOBILE	0.064	0.120	0.097	0.006	m
WH_LOWER	0.103	0.172	0.145	0.007	m
WH_MOBILE	0.01	4.70	2.34	0.61	m
VXY_UPPER	0.87	2.42	2.22	0.12	m/s
VXY_LOWER	3.06	3.90	3.67	0.07	m/s



E.14 B-OF05: Block 14

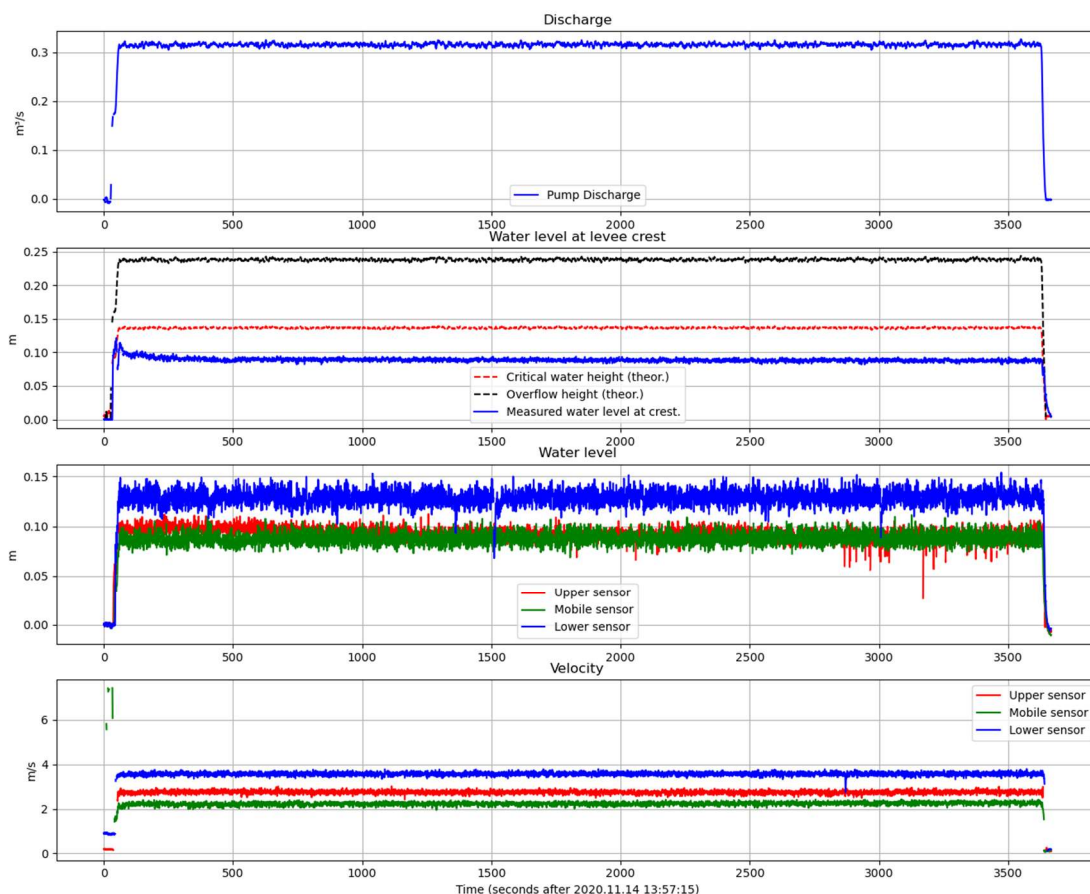
Start – stop	14/11/2020 13:43				
Stop	14/11/2020 14:43				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - VXY_MOBILE is situated on crest				
Statistics	Calculated from t=75 to 3618 sec (n=35434).				
series	Min	max	mean	std	Unit
DISCHARGE	0.302	0.325	0.316	0.003	m³/s
WH_CREST	0.088	0.149	0.099	0.006	m
WH_UPPER	0.013	0.115	0.093	0.007	m
WH_MOBILE	0.079	0.123	0.096	0.006	m
WH_LOWER	0.089	0.166	0.130	0.007	m
WH_MOBILE	2.35	3.02	2.70	0.07	m
VXY_UPPER	1.85	2.36	2.15	0.07	m/s
VXY_LOWER	3.33	3.82	3.58	0.06	m/s



E.15 B-OF05: Block 15

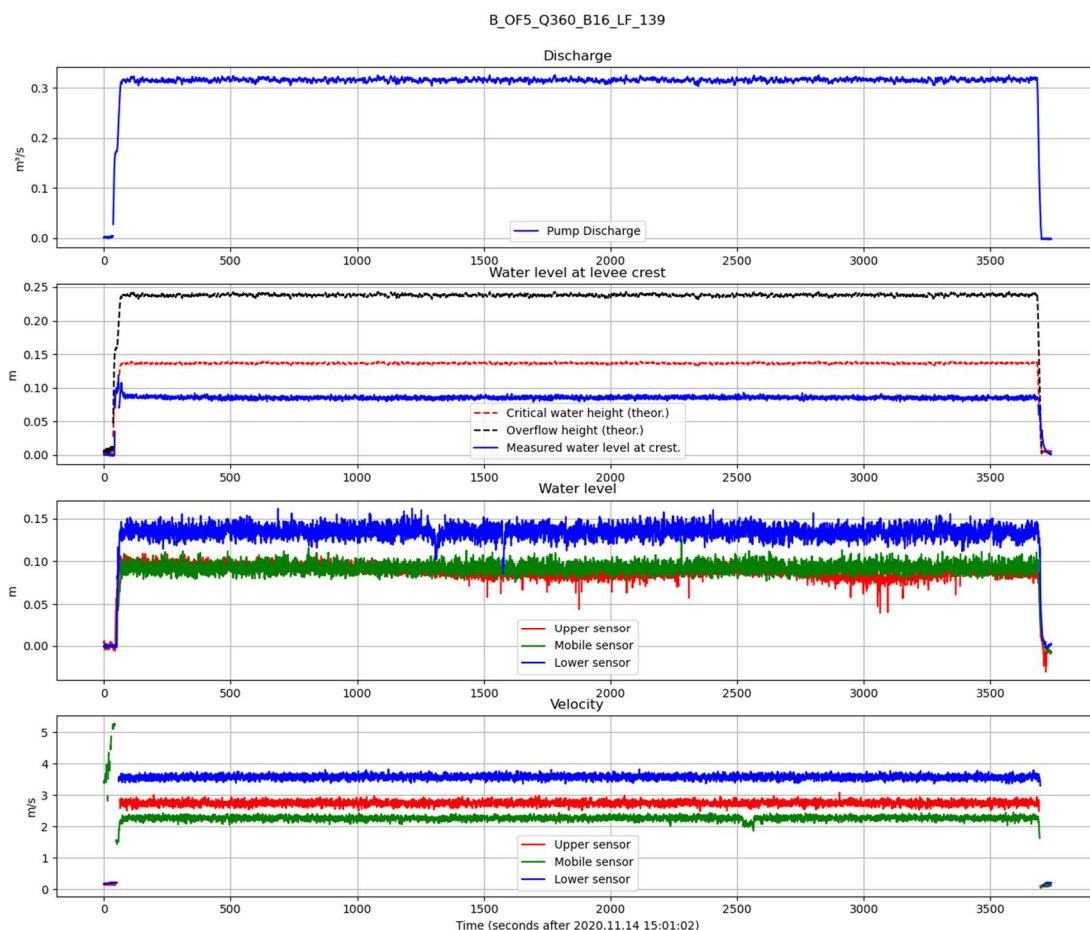
Start – stop	14/11/2020 14:57				
Stop	14/11/2020 15:57				
Duration	60 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - VXY_MOBILE is situated on crest				
Statistics	Calculated from t=62 to 3619 sec (n=35563).				
series	Min	max	mean	std	Unit
DISCHARGE	0.305	0.327	0.316	0.003	m³/s
WH_CREST	0.082	0.114	0.089	0.003	m
WH_UPPER	0.027	0.112	0.093	0.005	m
WH_MOBILE	0.069	0.111	0.088	0.005	m
WH_LOWER	0.068	0.154	0.129	0.007	m
WH_MOBILE	2.42	3.01	2.75	0.06	m
VXY_UPPER	1.95	2.43	2.23	0.07	m/s
VXY_LOWER	2.75	3.80	3.57	0.06	m/s

B_OF5_Q360_B15_LF_137



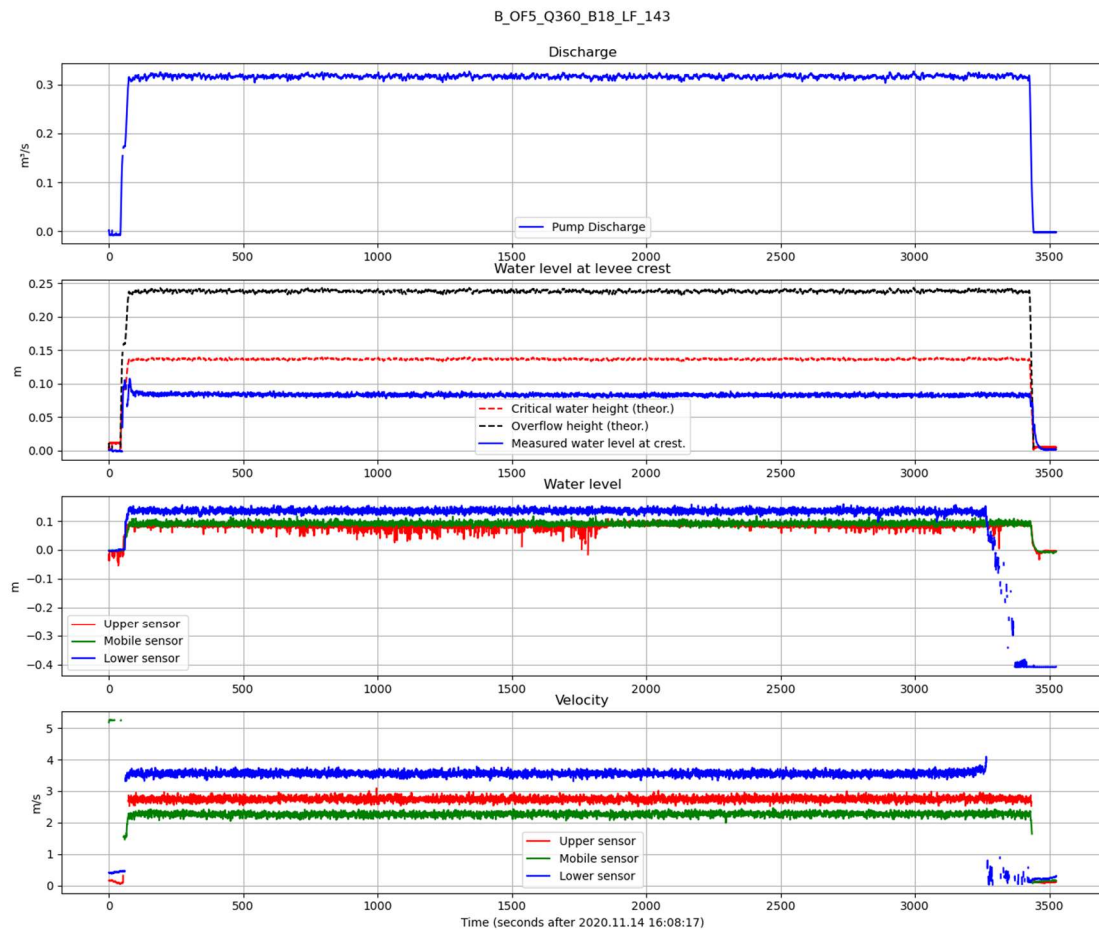
E.16 B-OF05: Block 16

Start – stop	14/11/2020 16:01				
Stop	14/11/2020 17:02				
Duration	1 hour 1 minute				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - VXY_MOBILE is situated on crest				
Statistics	Calculated from t=71 to 3660 sec (n=35894).				
series	Min	max	mean	std	Unit
DISCHARGE	0.304	0.326	0.316	0.003	m³/s
WH_CREST	0.079	0.097	0.085	0.002	m
WH_UPPER	0.040	0.109	0.089	0.006	m
WH_MOBILE	0.076	0.125	0.093	0.005	m
WH_LOWER	0.086	0.162	0.135	0.007	m
WH_MOBILE	2.48	3.08	2.75	0.06	m
VXY_UPPER	1.86	2.45	2.26	0.06	m/s
VXY_LOWER	3.36	3.82	3.57	0.06	m/s



E.17 B-OF05: Block 17

Start – stop	14/11/2020 17:08				
Stop	14/11/2020 18:05				
Duration	57 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	360 L/sec nominal				
Notes	- LOWER sensors (VXY and WH) are 4 m upward from the cliff, not from the toe - File erroneously named “B18” instead of “B17”. - VXY_MOBILE is situated on crest				
Statistics	Calculated from t=96 to 3401 sec (n=33051).				
series	Min	max	mean	std	Unit
DISCHARGE	0.303	0.327	0.316	0.003	m³/s
WH_CREST	0.078	0.089	0.083	0.002	m
WH_UPPER	-0.016	0.107	0.083	0.008	m
WH_MOBILE	0.073	0.118	0.091	0.005	m
WH_LOWER	-0.409	0.159	0.128	0.056	m
WH_MOBILE	2.51	3.09	2.75	0.06	m
VXY_UPPER	1.99	2.46	2.27	0.06	m/s
VXY_LOWER	0.02	4.09	3.54	0.26	m/s



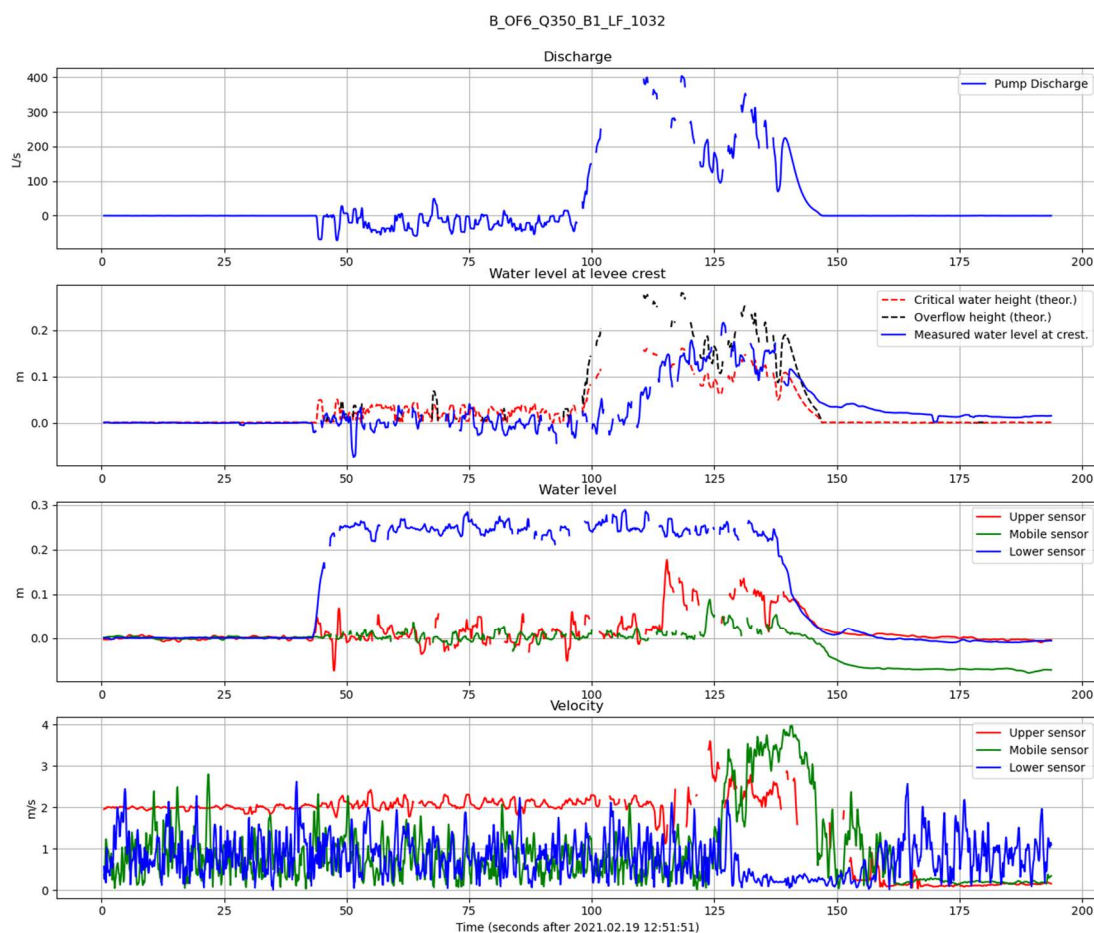
Annex F - B-OF06 Erosion patches

The following timeseries details are reproduced in this section:

F.1 B-OF06: Block 1	79
F.2 B-OF06: Block 2	80
F.3 B-OF06: Block 3	81
F.4 B-OF06: Block 4	82
F.5 B-OF06: Block 5	83
F.6 B-OF06: Block 6	84
F.7 B-OF06: Block 7	85
F.8 B-OF06: Block 8	86
F.9 B-OF06: Block 9	87
F.10 B-OF06: Block 10	88
F.11 B-OF06: Block 11	89
F.12 B-OF06: Block 12	90
F.13 B-OF06: Block 13	91
F.14 B-OF06: Block 14	92
F.15 B-OF06: Block 15	93
F.16 B-OF06: Block 17	94
F.17 B-OF06: Block 18	95
F.18 B-OF06: Block 19	96
F.19 B-OF06: Block 20	97

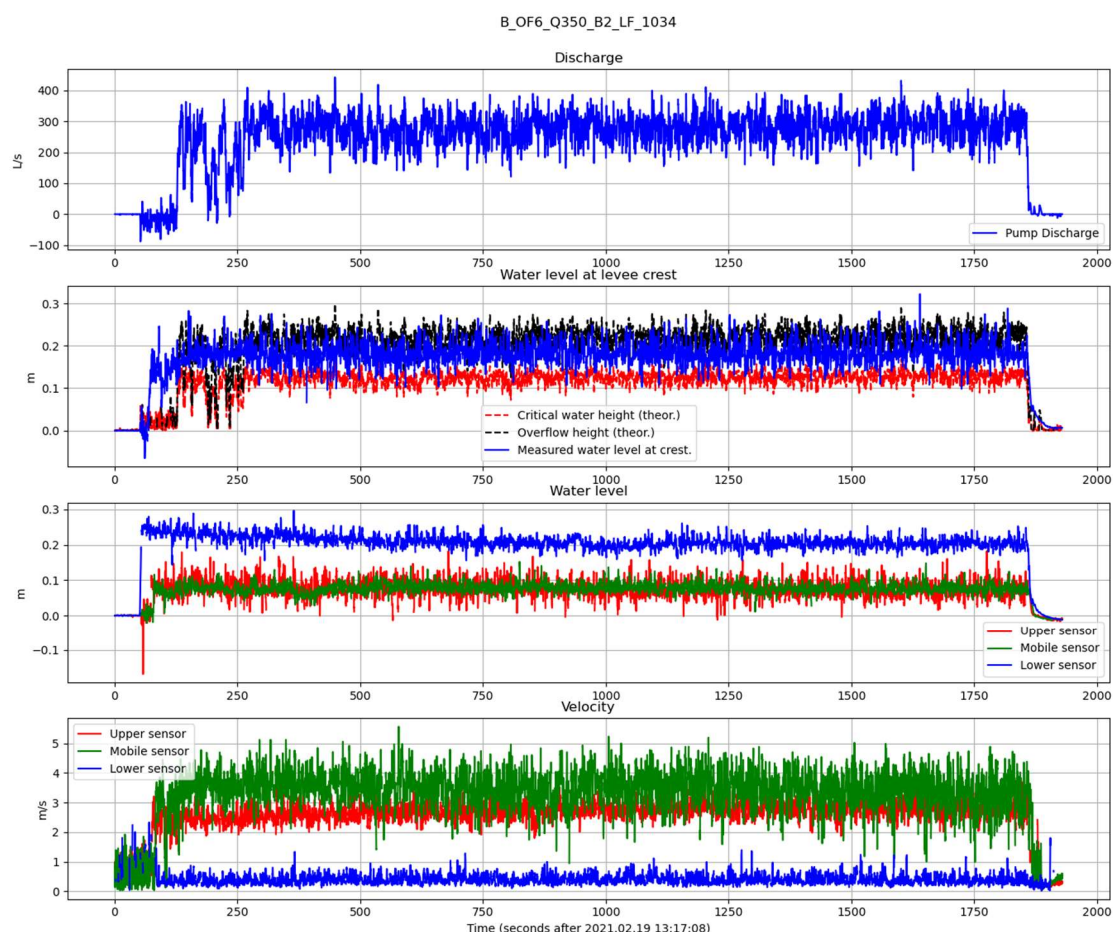
F.1 B-OF06: Block 1

Start – stop	19/02/2021 13:52				
Stop	19/02/2021 13:54				
Duration	2 minutes				
Pump	Twin parallel Hidrostal F10K-HD				
Discharge	Hidrostal I16K-HD				
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=101 to 144 sec (n=432).				
series	Min	max	mean	std	Unit
DISCHARGE	27	404	204	99	l/s
WH_CREST	-0,026	0,216	0,105	0,053	m
WH_UPPER	-0,014	0,177	0,064	0,043	m
WH_MOBILE	-0,006	0,088	0,017	0,018	m
WH_LOWER	0,041	0,290	0,220	0,062	m
VXY_UPPER	1,12	3,60	2,25	0,40	m/s
VXY_MOBILE	0,02	3,98	1,70	1,30	m/s
VXY_LOWER	0.05	2.18	0.66	0.49	m/s



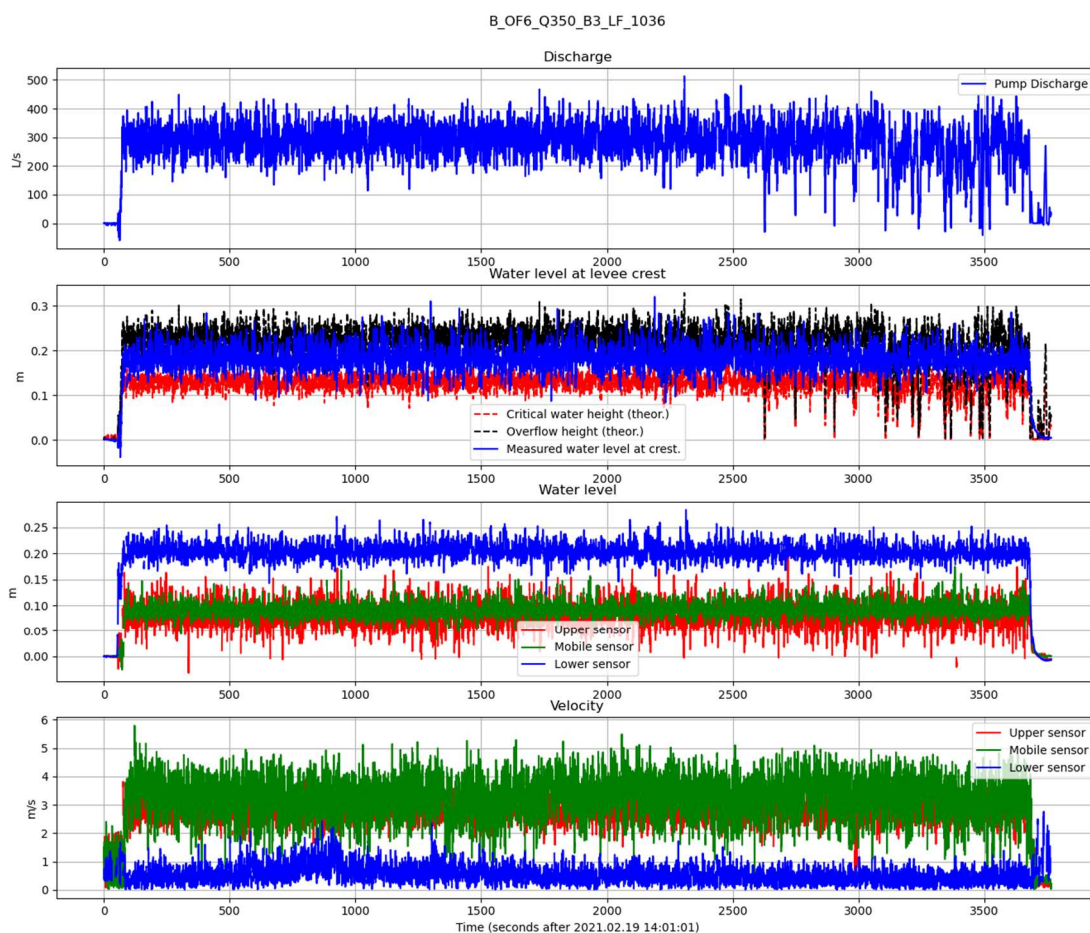
F.2 B-OF06: Block 2

Start – stop	19/02/2021 14:17				
Stop	19/02/2021 14:48				
Duration	31 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=271 to 1837 sec (n=15661).				
series	Min	max	mean	std	Unit
DI_RVW_1	121	443	281	43	l/s
WH_CREST	0,067	0,322	0,183	0,025	m
WH_UPPER	-0,014	0,182	0,077	0,023	m
WH_MOBILE	0,01	0,15	0,08	0,01	m
WH_LOWER	0,156	0,296	0,207	0,015	m
VXY_UPPER	1,80	4,13	2,75	0,26	m/s
VXY_MOBILE	0,95	5,56	3,49	0,58	m/s
VXY_LOWER	0,08	1,40	0,41	0,16	m/s



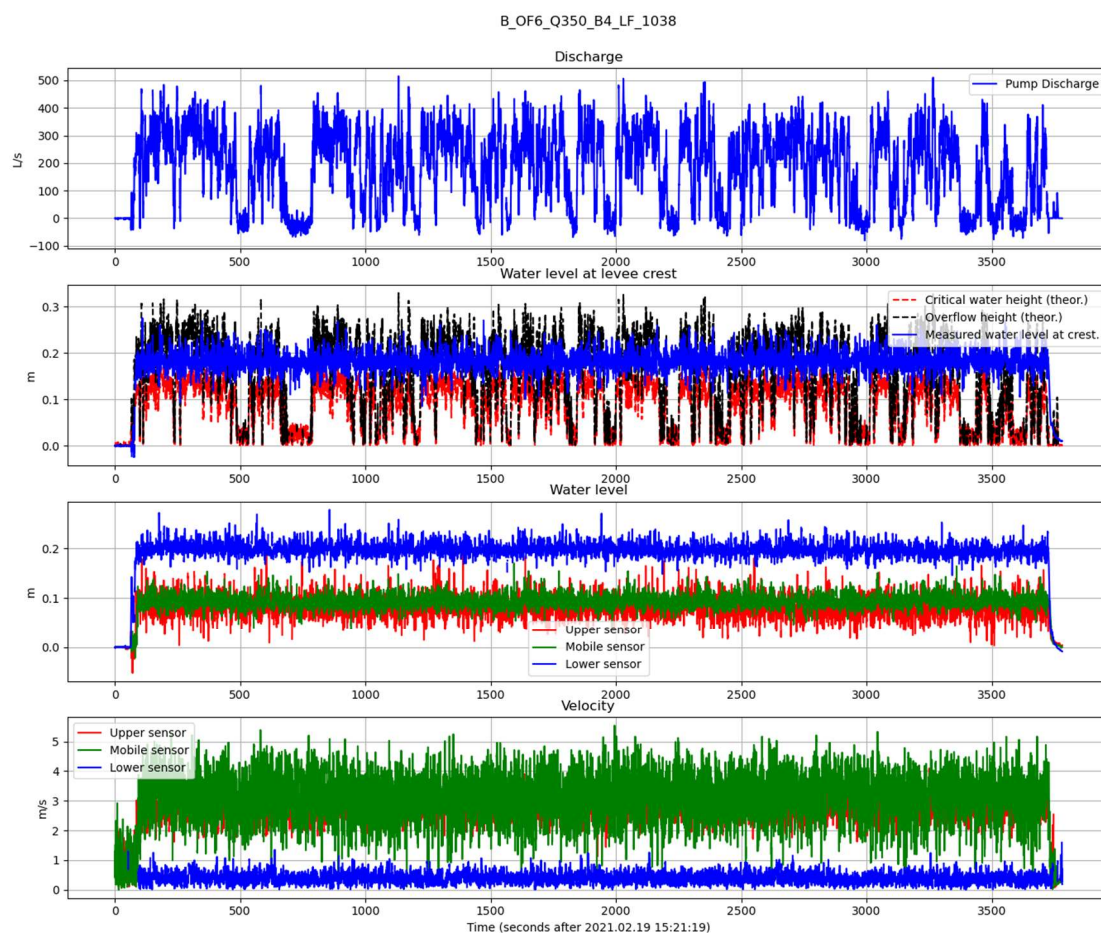
F.3 B-OF06: Block 3

Start – stop	19/02/2021 15:01					
Stop	19/02/2021 16:02					
Duration	61 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	WH_LOWER is situated on the levee CREST!					
Statistics	Calculated from t=271 to 1837 sec (n=15661).					
	series	Min	max	mean	std	Unit
	DI_RVW_1	-42	513	288	64	l/s
	WH_CRESC	0,084	0,320	0,183	0,023	m
	WH_UPPER	-0,032	0,204	0,080	0,022	m
	WH_MOBILE	0,034	0,174	0,092	0,013	m
	WH_LOWER	0,121	0,284	0,204	0,013	m
	VXY_UPPER	0,07	4,26	2,76	0,31	m/s
	VXY_MOBILE	0,12	5,79	3,28	0,67	m/s
	VXY_LOWER	0.00	2.41	0.53	0.28	m/s



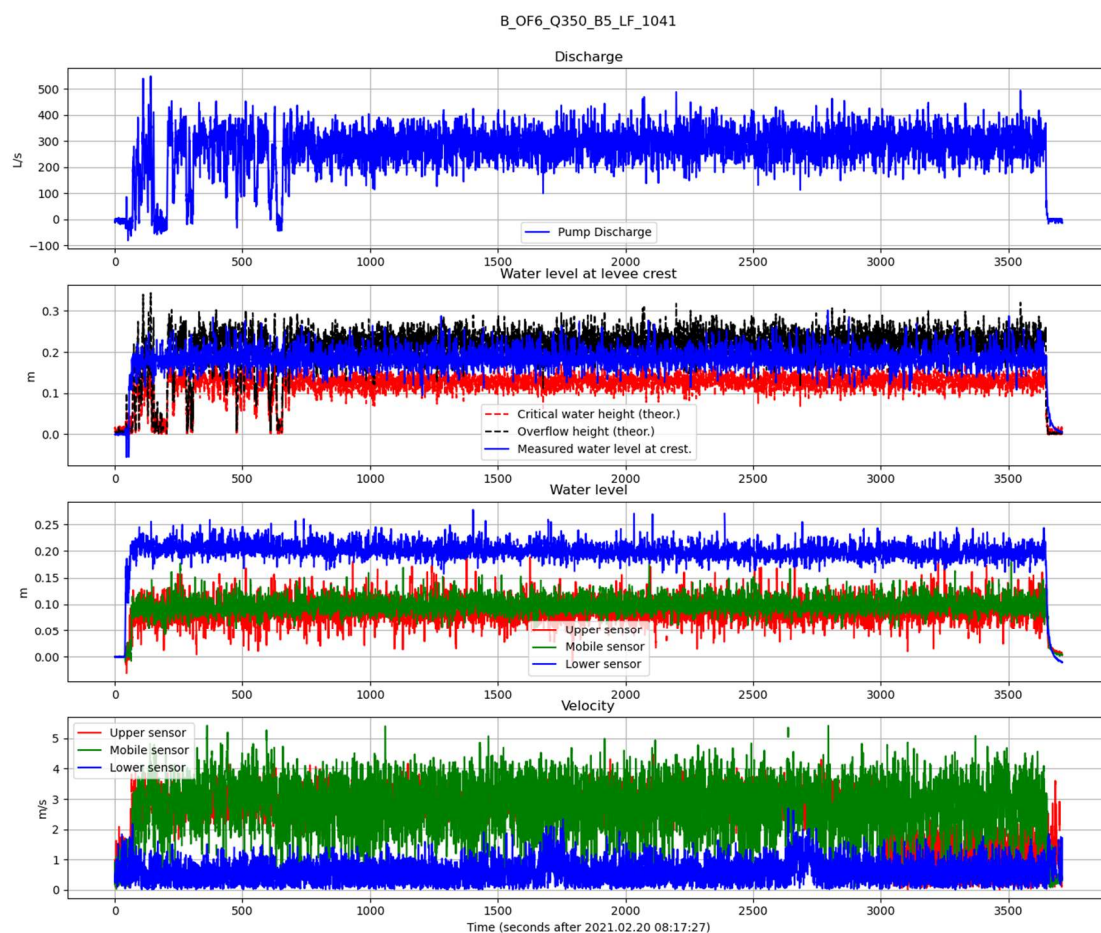
F.4 B-OF06: Block 4

Start – stop	19/02/2021 16:22				
Stop	19/02/2021 17:23				
Duration	61 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=2540 to 2889 sec (n=3488).				
series	Min	max	mean	std	Unit
DISCHARGE	-41	441	235	95	l/s
WH_CREST	0,120	0,260	0,185	0,020	m
WH_UPPER	0,020	0,180	0,081	0,020	m
WH_MOBILE	0,048	0,137	0,094	0,012	m
WH_LOWER	0,164	0,257	0,198	0,012	m
VXY_UPPER	1,71	3,67	2,74	0,29	m/s
VXY_MOBILE	0,71	5,20	3,25	0,71	m/s
VXY_LOWER	0,02	1,15	0,41	0,17	m/s



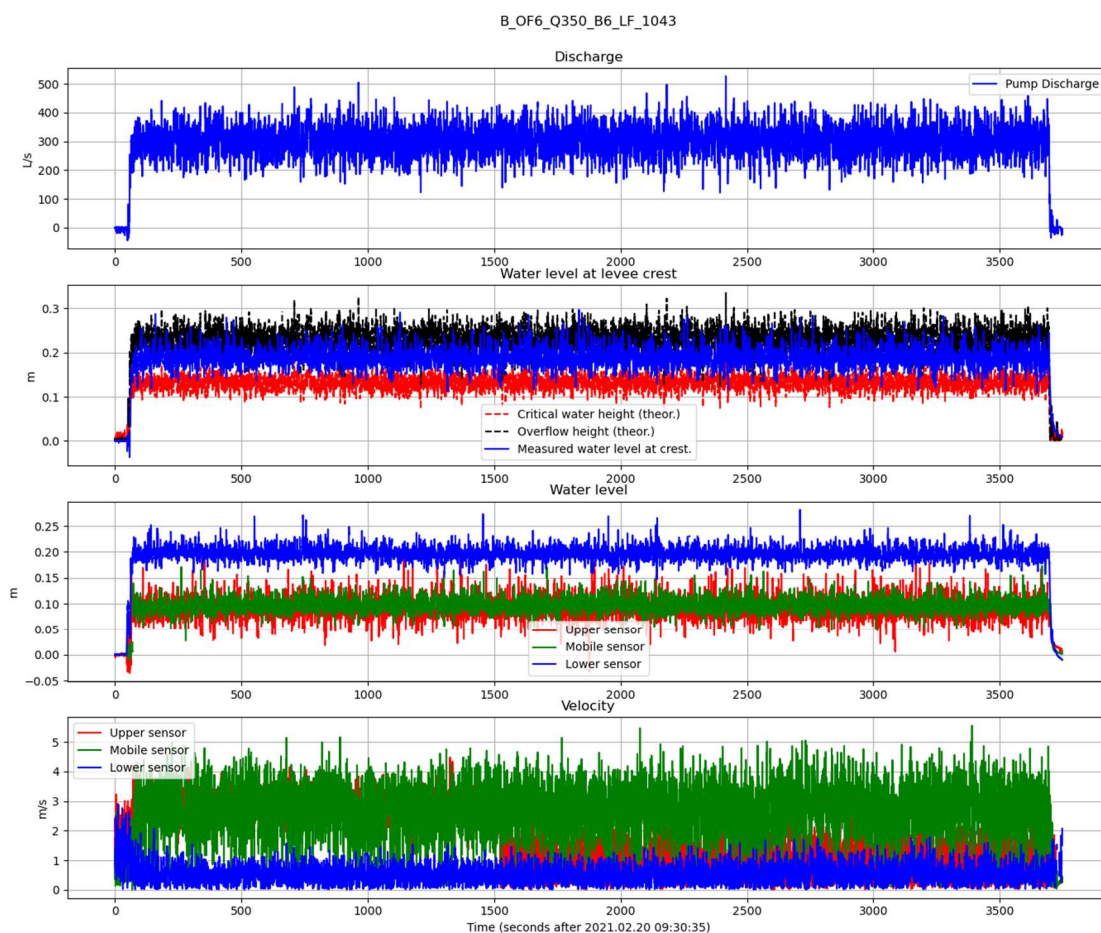
F.5 B-OF06: Block 5

Start – stop	20/02/2021 9:18					
Stop	20/02/2021 10:18					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	WH_LOWER is situated on the levee CREST!					
Statistics	Calculated from t=695 to 2993 sec (n=22982).					
	series	Min	max	mean	std	Unit
	DISCHARGE	99	487	292	47	l/s
	WH_CREST	0,095	0,301	0,186	0,020	m
	WH_UPPER	-0,009	0,200	0,088	0,019	m
	WH_MOBILE	0,055	0,176	0,099	0,013	m
	WH_LOWER	0,157	0,277	0,200	0,012	m
	VXY_UPPER	1,70	4,47	2,91	0,32	m/s
	VXY_MOBILE	0,05	5,42	2,79	0,75	m/s
	VXY_LOWER	0.01	2.69	0.61	0.32	m/s



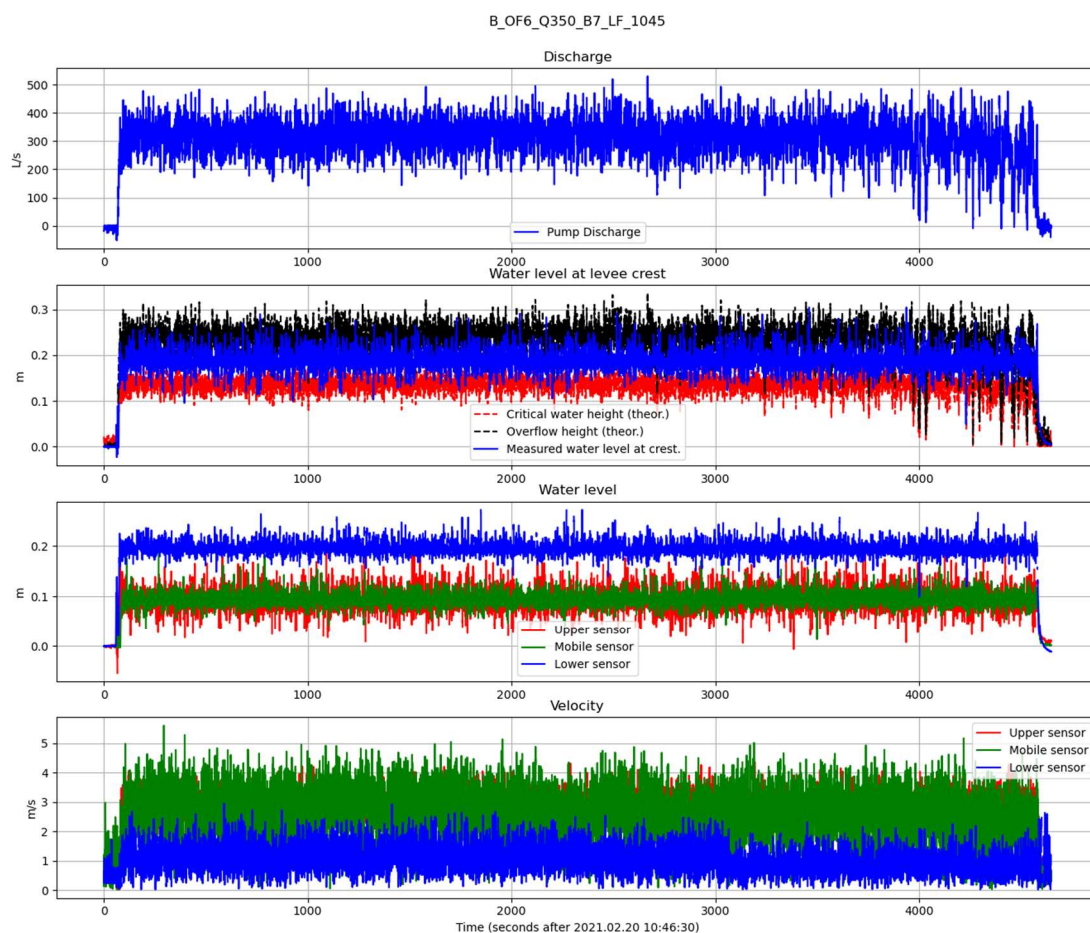
F.6 B-OF06: Block 6

Start – stop	20/02/2021 10:31					
Stop	20/02/2021 11:32					
Duration	61 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	WH_LOWER is situated on the levee CREST!					
Statistics	Calculated from t=83 to 1510 sec (n=14280).					
	series	Min	max	mean	std	Unit
	DISCHARGE	123	505	305	46	l/s
	WH_CREST	0,112	0,291	0,189	0,019	m
	WH_UPPER	0,018	0,194	0,091	0,019	m
	WH_MOBILE	0,027	0,171	0,097	0,013	m
	WH_LOWER	0,152	0,273	0,198	0,012	m
	VXY_UPPER	1,02	4,47	2,90	0,36	m/s
	VXY_MOBILE	0,13	5,16	2,70	0,78	m/s
	VXY_LOWER	0.00	2.07	0.52	0.26	m/s



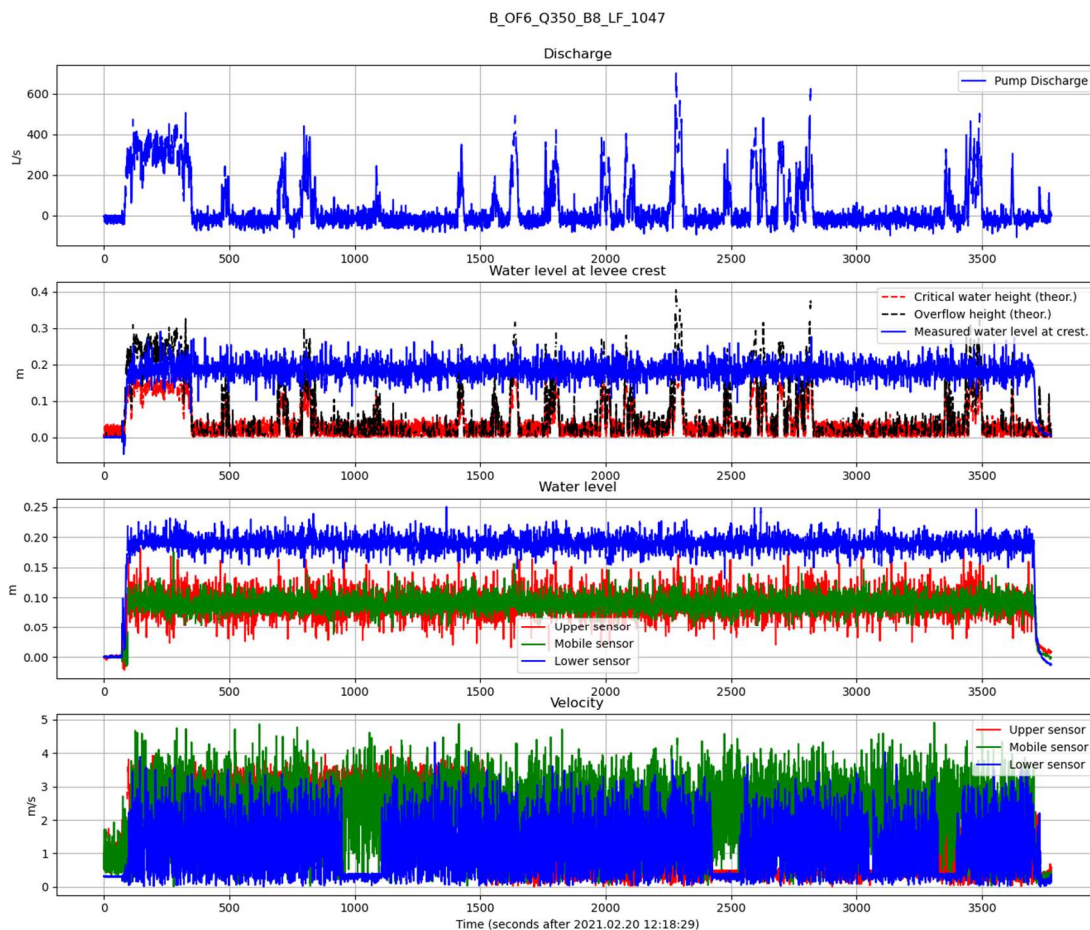
F.7 B-OF06: Block 7

Start – stop	20/02/2021 11:47				
Stop	20/02/2021 13:02				
Duration	75 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=98 to 4328 sec (n=42307).				
series	Min	max	mean	std	Unit
DISCHARGE	-9	530	318	56	l/s
WH_CREST	0,049	0,305	0,189	0,021	m
WH_UPPER	-0,006	0,197	0,093	0,021	m
WH_MOBILE	0,014	0,192	0,095	0,013	m
WH_LOWER	0,099	0,271	0,196	0,012	m
VXY_UPPER	1,66	4,37	2,94	0,32	m/s
VXY_MOBILE	0,05	5,60	2,65	0,79	m/s
VXY_LOWER	0,02	2,95	1,06	0,40	m/s



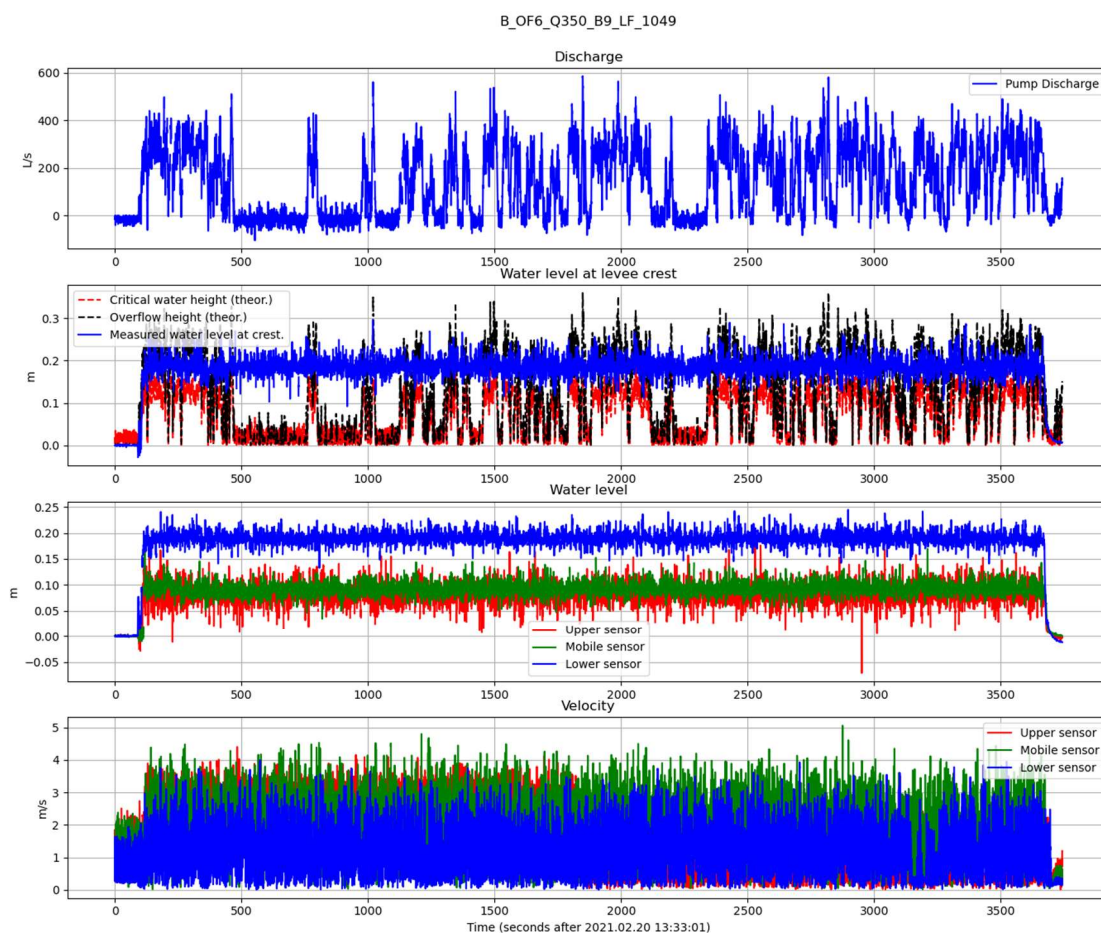
F.8 B-OF06: Block 8

Start – stop	20/02/2021 13:19				
Stop	20/02/2021 14:20				
Duration	61 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=121 to 328 sec (n=2066).				
series	Min	max	mean	std	Unit
DISCHARGE	72	505	316	67	l/s
WH_CREST	0,127	0,291	0,190	0,022	m
WH_UPPER	0,023	0,181	0,091	0,021	m
WH_MOBILE	0,054	0,176	0,092	0,014	m
WH_LOWER	0,166	0,231	0,194	0,010	m
VXY_UPPER	1,59	3,92	2,92	0,32	m/s
VXY_MOBILE	0,01	4,74	2,47	0,83	m/s
VXY_LOWER	0,01	3,89	1,38	0,68	m/s



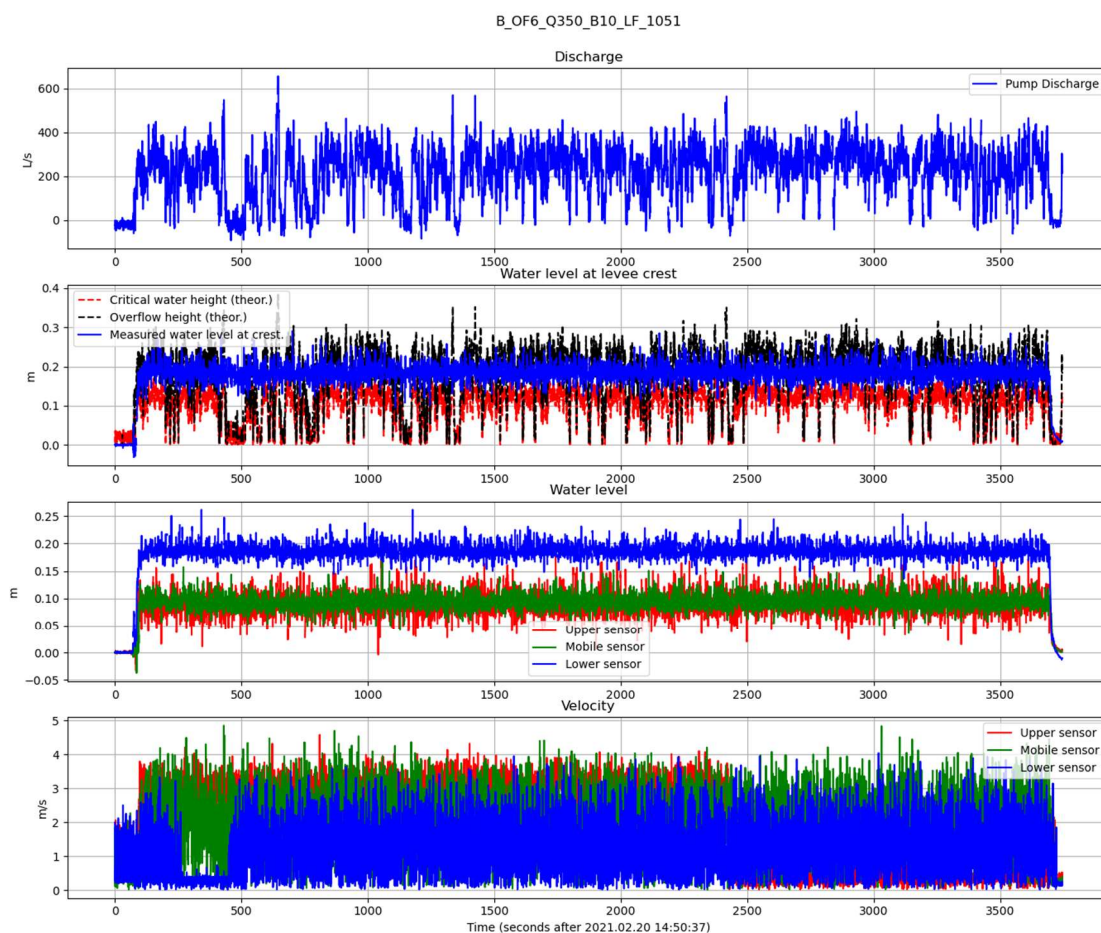
F.9 B-OF06: Block 9

Start – stop	20/02/2021 14:34				
Stop	20/02/2021 15:34				
Duration	60 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=215 to 401 sec (n=1859).				
series	Min	max	mean	std	Unit
DISCHARGE	-64	442	243	101	l/s
WH_CREST	0,128	0,269	0,187	0,019	m
WH_UPPER	-0,011	0,143	0,081	0,018	m
WH_MOBILE	0,052	0,146	0,090	0,013	m
WH_LOWER	0,152	0,236	0,191	0,011	m
VXY_UPPER	2,00	3,95	2,90	0,33	m/s
VXY_MOBILE	0,08	4,48	2,25	0,77	m/s
VXY_LOWER	0,04	3,73	1,36	0,69	m/s



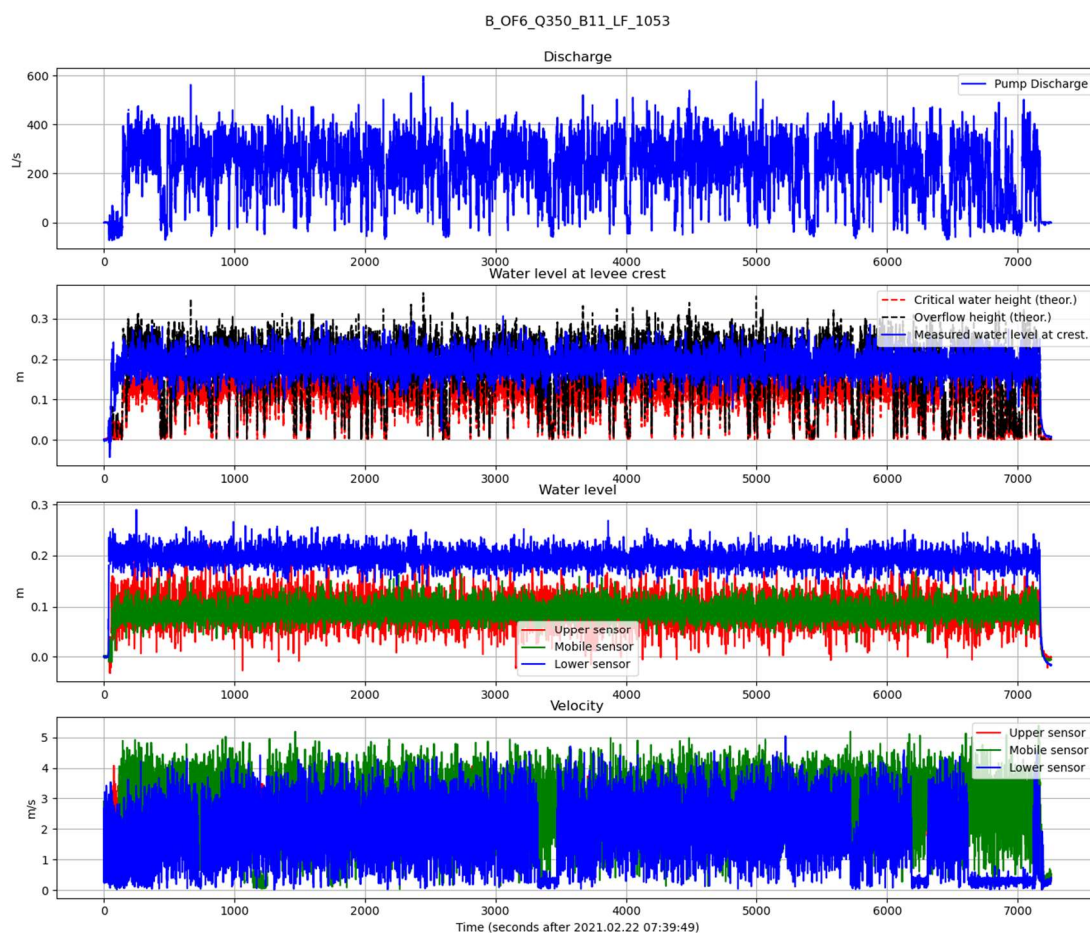
F.10 B-OF06: Block 10

Start – stop	20/02/2021 15:50				
Stop	20/02/2021 16:52				
Duration	62 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=652 to 3566 sec (n=29145).				
series	Min	max	mean	std	Unit
DISCHARGE	-84	569	231	110	l/s
WH_CREST	0,095	0,290	0,186	0,019	m
WH_UPPER	-0,004	0,193	0,090	0,019	m
WH_MOBILE	0,036	0,177	0,094	0,013	m
WH_LOWER	0,136	0,262	0,187	0,011	m
VXY_UPPER	0,02	4,57	2,12	1,16	m/s
VXY_MOBILE	0,01	4,83	2,05	0,78	m/s
VXY_LOWER	0,01	4,04	1,36	0,69	m/s



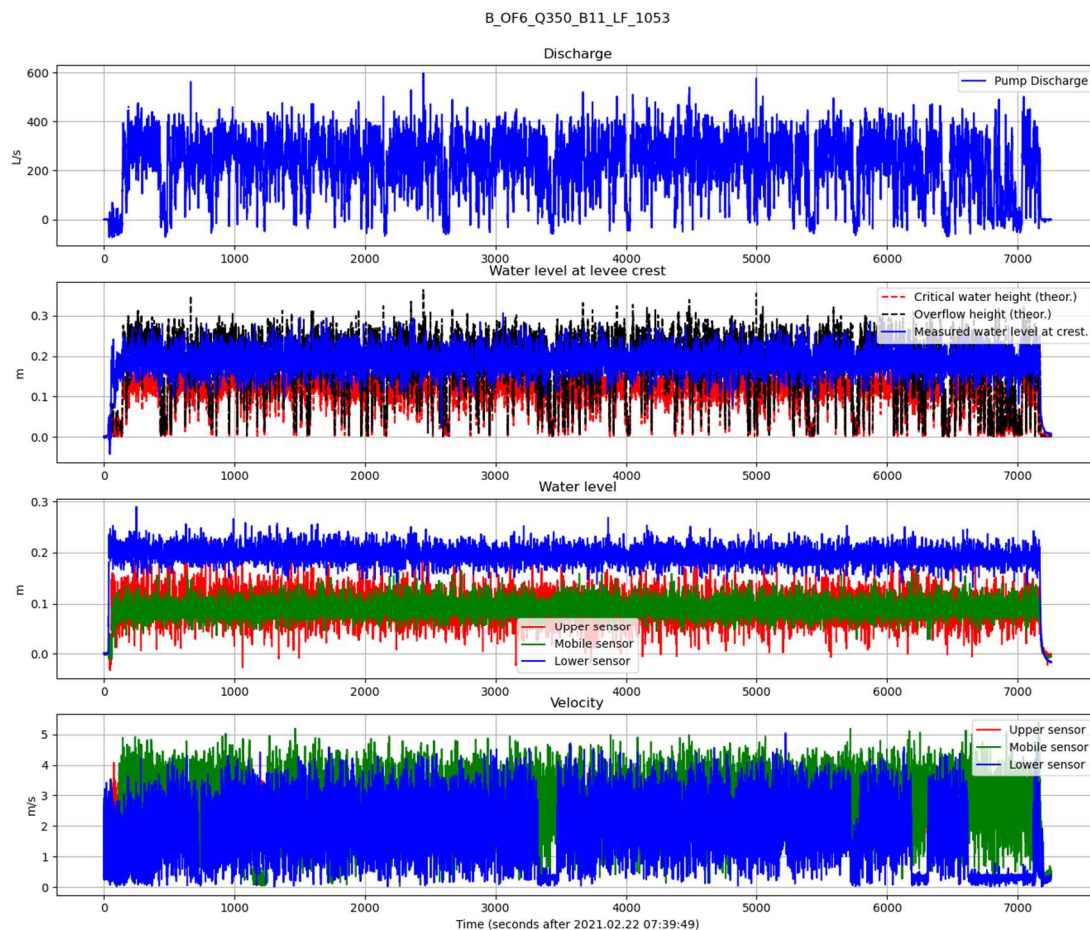
F.11 B-OF06: Block 11

Start – stop	22/02/2021 8:40				
Stop	22/02/2021 10:39				
Duration	119 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=469 to 6987 sec (n=6987).				
series	Min	max	mean	std	Unit
DISCHARGE	-71	597	228	110	l/s
WH_CREST	0,023	0,306	0,189	0,022	m
WH_UPPER	-0,027	0,224	0,090	0,023	m
WH_MOBILE	0,028	0,168	0,091	0,014	m
WH_LOWER	0,132	0,268	0,195	0,013	m
VXY_UPPER	1,49	4,26	2,88	0,25	m/s
VXY_MOBILE	0,03	5,19	2,76	0,82	m/s
VXY_LOWER	0,01	5,04	1,94	0,92	m/s



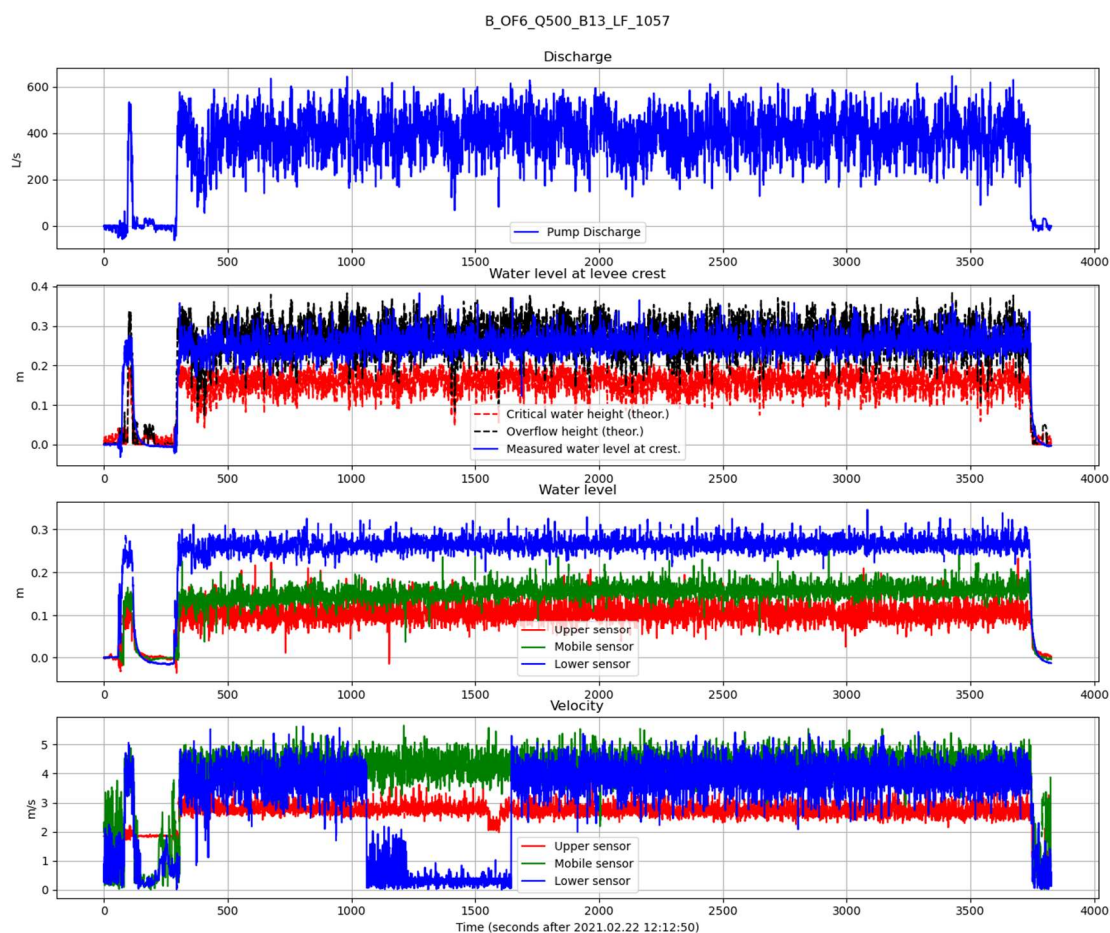
F.12 B-OF06: Block 12

Start – stop	22/02/2021 10:55				
Stop	22/02/2021 12:55				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=154 to 444 sec (n=2899).				
series	Min	max	mean	std	Unit
DISCHARGE	-30	446	242	96	l/s
WH_CREST	0,111	0,270	0,188	0,022	m
WH_UPPER	0,003	0,196	0,098	0,023	m
WH_MOBILE	0,051	0,160	0,098	0,014	m
WH_LOWER	0,158	0,270	0,200	0,013	m
VXY_UPPER	1,25	1,99	1,49	0,11	m/s
VXY_MOBILE	0,34	4,83	2,87	0,76	m/s
VXY_LOWER	0,15	4,39	2,12	0,71	m/s



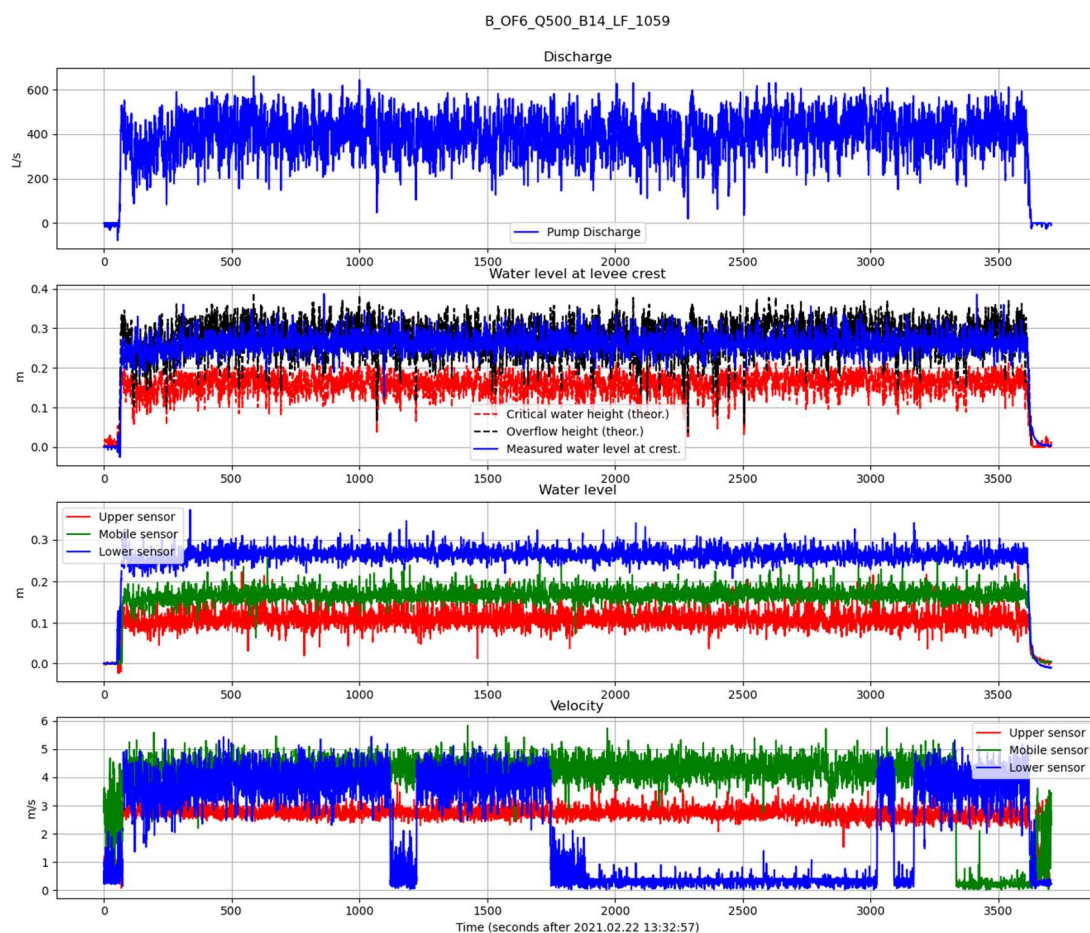
F.13 B-OF06: Block 13

Start – stop	22/02/2021 13:13					
Stop	22/02/2021 14:15					
Duration	62 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	WH_LOWER is situated on the levee CREST!					
Statistics	Calculated from t=341 to 3687 sec (n=33469).					
	series	Min	max	mean	std	Unit
	DISCHARGE	55	646	398	85	l/s
	WH_CRESC	0,123	0,383	0,255	0,021	m
	WH_UPPER	-0,015	0,223	0,105	0,019	m
	WH_MOBILE	0,036	0,251	0,153	0,016	m
	WH_LOWER	0,197	0,345	0,264	0,014	m
	VXY_UPPER	1,98	4,38	2,75	0,19	m/s
	VXY_MOBILE	2,19	5,65	4,28	0,33	m/s
	VXY_LOWER	0.00	5.62	3.30	1.39	m/s



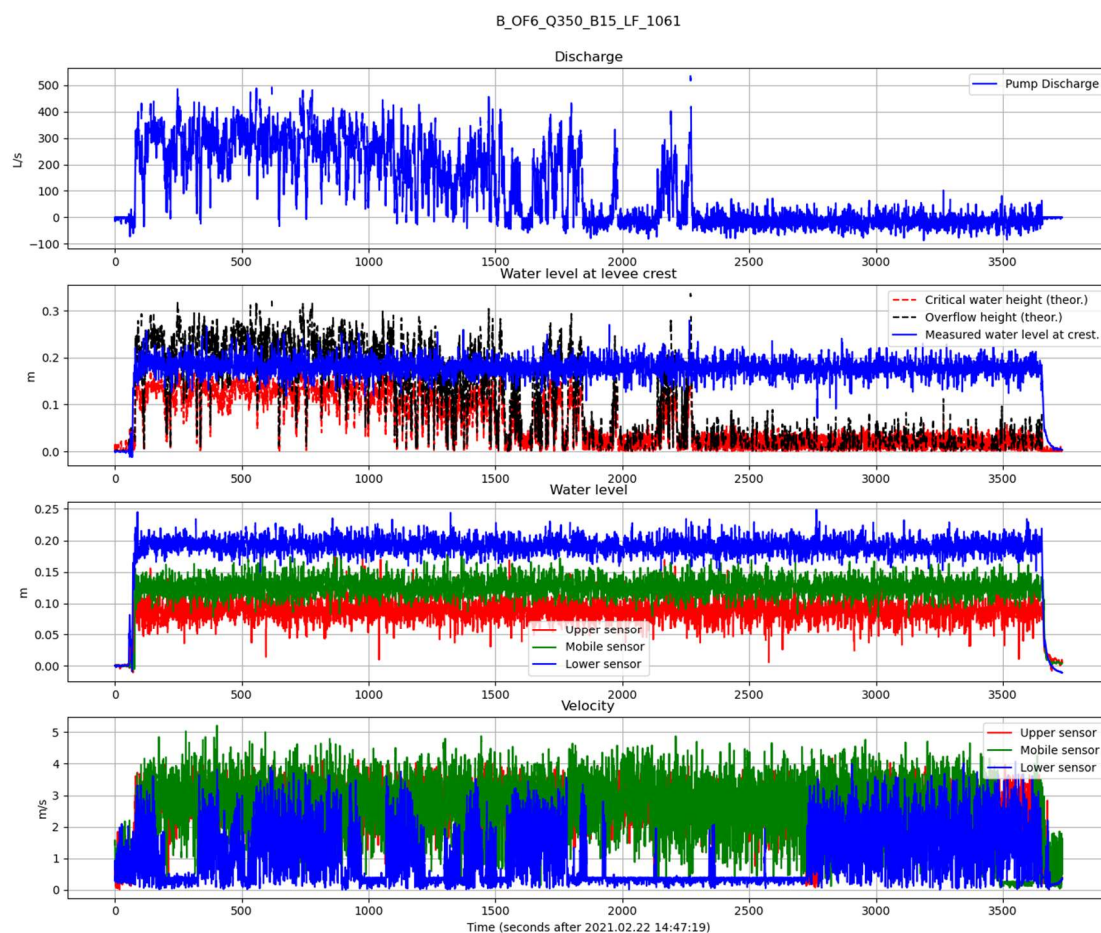
F.14 B-OF06: Block 14

Start – stop	22/02/2021 14:33					
Stop	22/02/2021 15:33					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	WH_LOWER is situated on the levee CREST!					
Statistics	Calculated from t=105 to 3603 sec (n=34980).					
	series	Min	max	mean	std	Unit
	DISCHARGE	20	661	404	84	l/s
	WH_CREST	0,127	0,387	0,262	0,020	m
	WH_UPPER	0,013	0,237	0,109	0,018	m
	WH_MOBILE	0,062	0,277	0,168	0,014	m
	WH_LOWER	0,207	0,372	0,264	0,013	m
	VXY_UPPER	1,53	3,90	2,74	0,18	m/s
	VXY_MOBILE	0,01	5,84	3,98	1,14	m/s
	VXY_LOWER	0,01	5,45	2,37	1,77	m/s



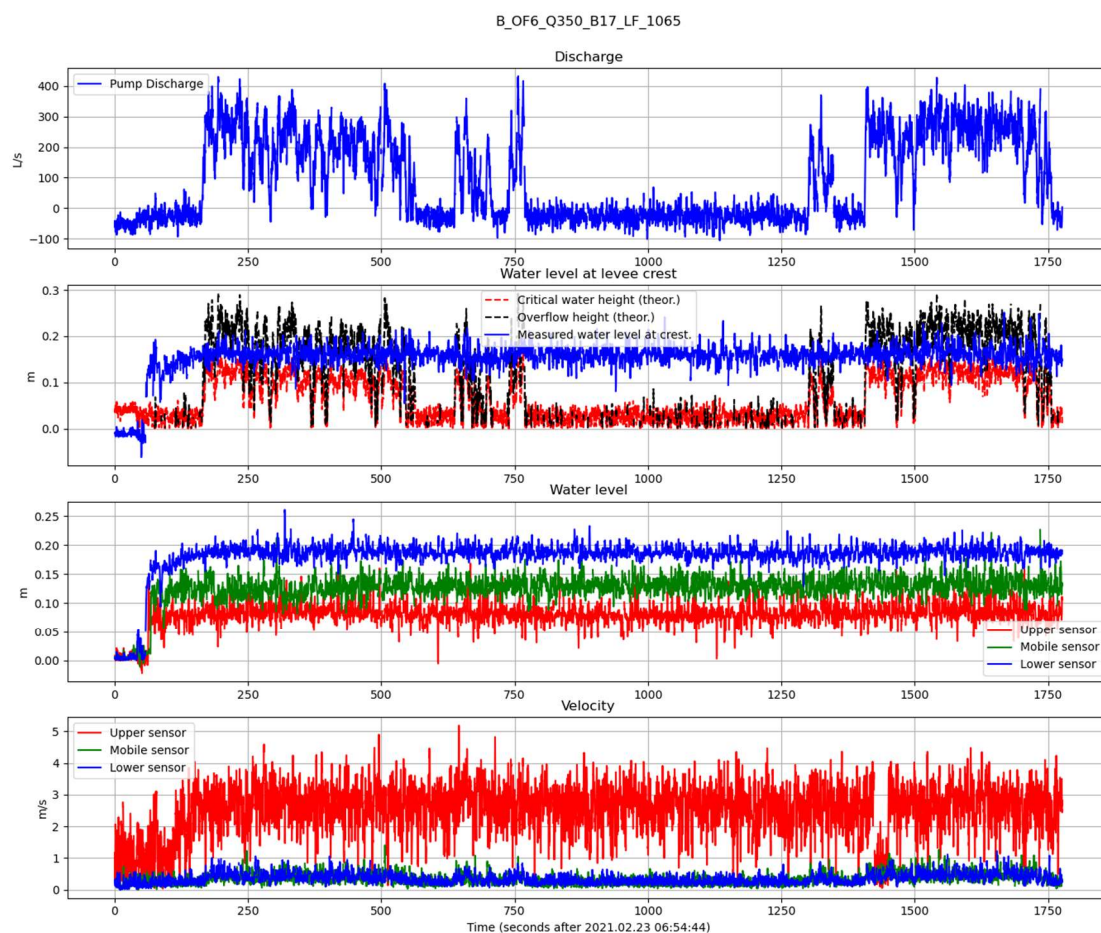
F.15 B-OF06: Block 15

Start – stop	22/02/2021 15:48				
Stop	22/02/2021 16:48				
Duration	60 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=128 to sec 1047 (n=9197).				
series	Min	max	mean	std	Unit
DISCHARGE	-34	492	275	86	l/s
WH_CREST	0,118	0,266	0,183	0,016	m
WH_UPPER	0,009	0,174	0,091	0,016	m
WH_MOBILE	0,078	0,192	0,126	0,013	m
WH_LOWER	0,150	0,235	0,194	0,010	m
VXY_UPPER	0,28	4,34	2,82	0,45	m/s
VXY_MOBILE	0,23	5,21	2,77	0,76	m/s
VXY_LOWER	0,01	3,89	1,14	0,83	m/s



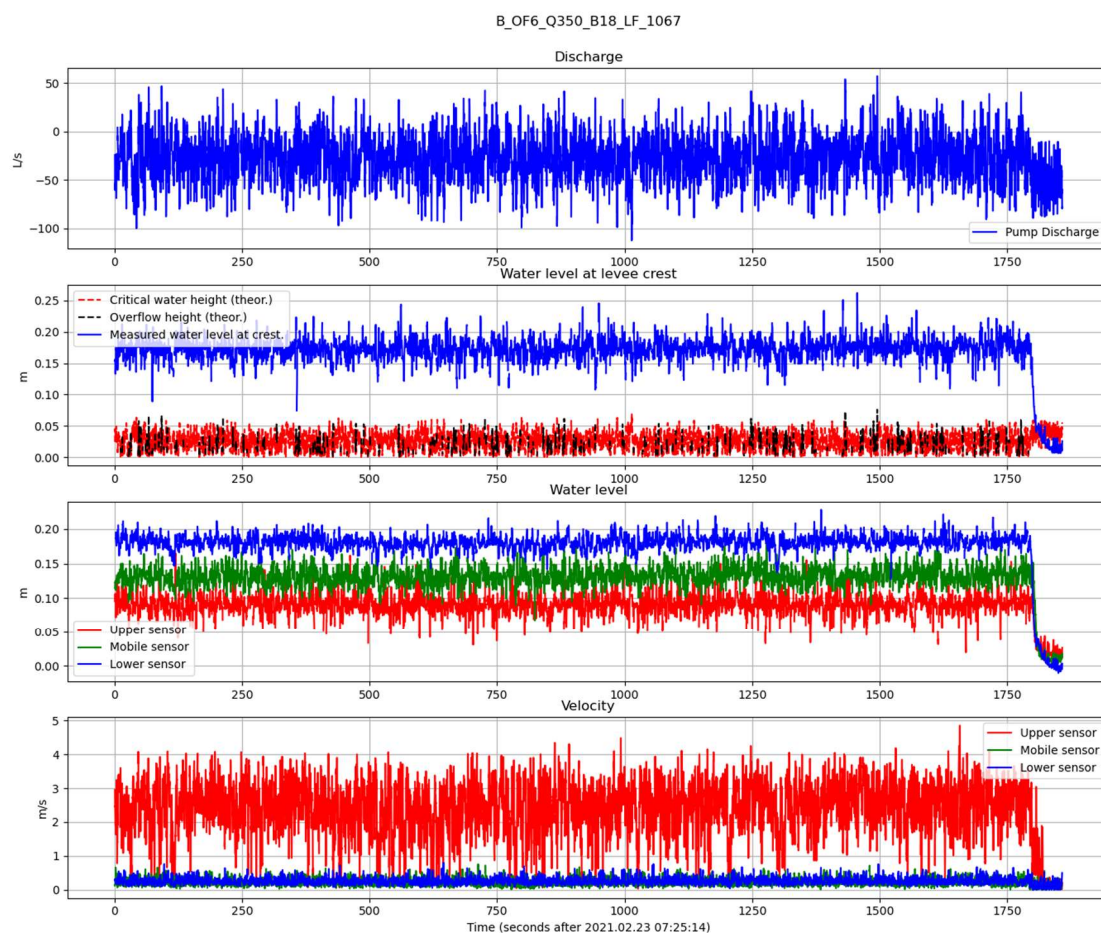
F.16 B-OF06: Block 17

Start – stop	23/02/2021 7:55				
Stop	23/02/2021 8:24				
Duration	29 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=1429 to 1719 sec (n=2899).				
series	Min	max	mean	std	Unit
DISCHARGE	-72	428	245	75	l/s
WH_CREST	0,068	0,251	0,163	0,019	m
WH_UPPER	0,033	0,158	0,088	0,017	m
WH_MOBILE	0,088	0,221	0,134	0,015	m
WH_LOWER	0,148	0,225	0,188	0,010	m
VXY_UPPER	0,06	4,47	2,55	0,80	m/s
VXY_MOBILE	0,10	1,27	0,49	0,18	m/s
VXY_LOWER	0.10	1.22	0.48	0.15	m/s



F.17 B-OF06: Block 18

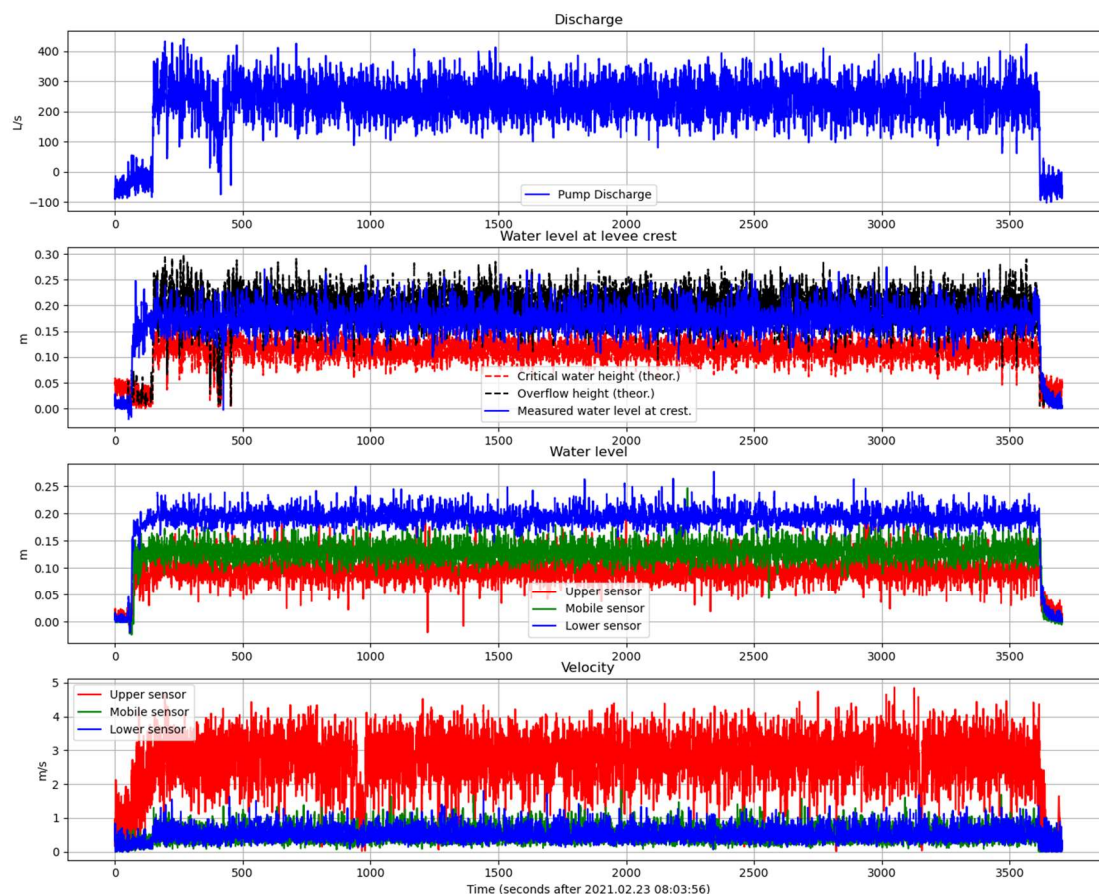
Start – stop	23/02/2021 8:25				
Stop	23/02/2021 8:56				
Duration	31 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=3 to 1790 sec (n=17873).				
series	Min	max	mean	std	Unit
DISCHARGE					l/s
WH_CREST	0,075	0,262	0,173	0,016	m
WH_UPPER	0,019	0,165	0,092	0,015	m
WH_MOBILE	0,067	0,194	0,132	0,013	m
WH_LOWER	0,128	0,228	0,181	0,010	m
VXY_UPPER	0,03	4,85	2,43	0,73	m/s
VXY_MOBILE	0,01	0,76	0,24	0,10	m/s
VXY_LOWER	0,04	0,80	0,27	0,10	m/s



F.18 B-OF06: Block 19

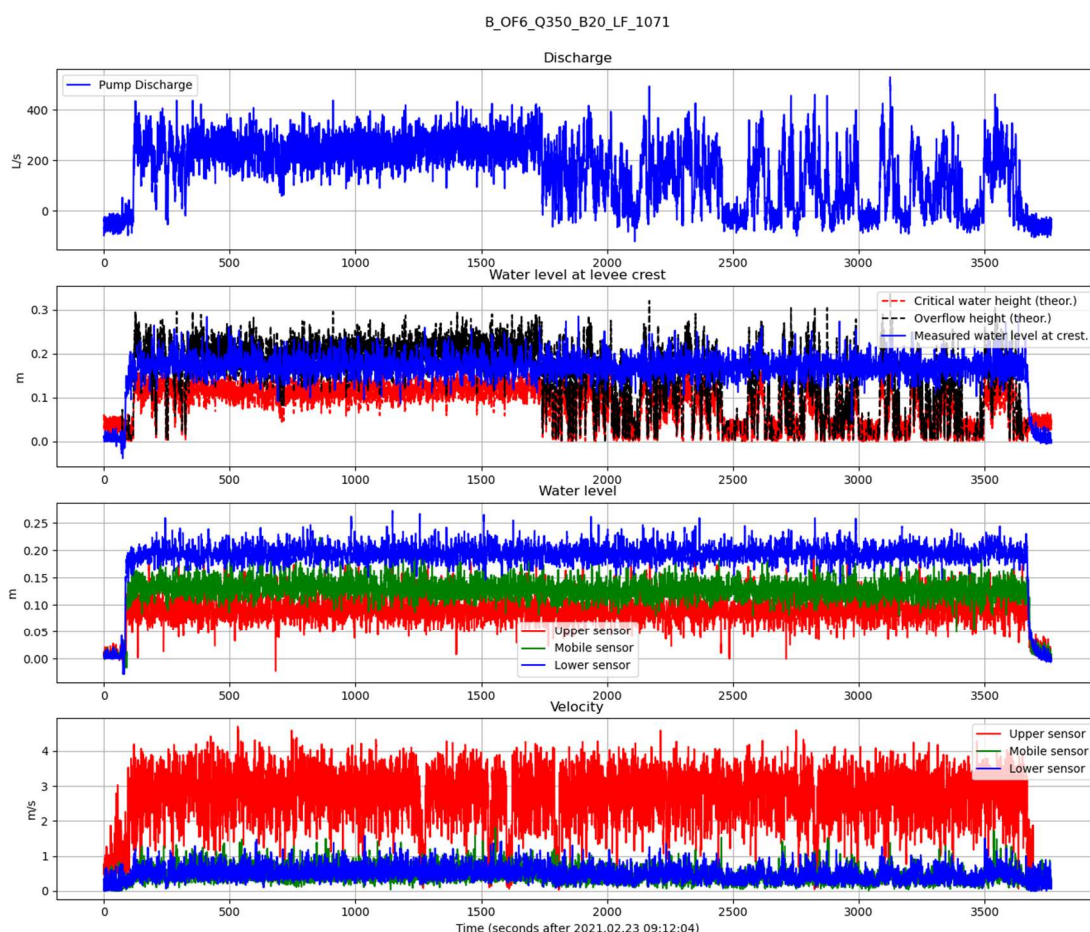
Start – stop	23/02/2021 9:04				
Stop	23/02/2021 10:01				
Duration	60 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	WH_LOWER is situated on the levee CREST!				
Statistics	Calculated from t=198 to 3582 sec (n=33839).				
series	Min	max	mean	std	Unit
DISCHARGE	-75	441	246	51	l/s
WH_CREST	-0,002	0,278	0,176	0,020	m
WH_UPPER	-0,019	0,204	0,096	0,019	m
WH_MOBILE	0,043	0,247	0,131	0,015	m
WH_LOWER	0,148	0,277	0,194	0,012	m
VXY_UPPER	0,01	4,86	2,78	0,64	m/s
VXY_MOBILE	0,07	1,83	0,52	0,20	m/s
VXY_LOWER	0,07	1,80	0,54	0,19	m/s

B_OF6_Q350_B19_LF_1069



F.19 B-OF06: Block 20

Start – stop	23/02/2021 10:13					
Stop	23/02/2021 11:13					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	WH_LOWER is situated on the levee CREST!					
Statistics	Calculated from t=144 to 1708 sec (n=15646).					
	series	Min	max	mean	std	Unit
	DISCHARGE	-54	437	248	58	l/s
	WH_CREST	0,087	0,284	0,174	0,020	m
	WH_UPPER	-0,023	0,185	0,093	0,020	m
	WH_MOBILE	0,083	0,223	0,133	0,016	m
	WH_LOWER	0,146	0,272	0,195	0,013	m
	VXY_UPPER	0,06	4,70	2,76	0,68	m/s
	VXY_MOBILE	0,04	1,81	0,54	0,19	m/s
	VXY_LOWER	0,06	1,57	0,56	0,18	m/s



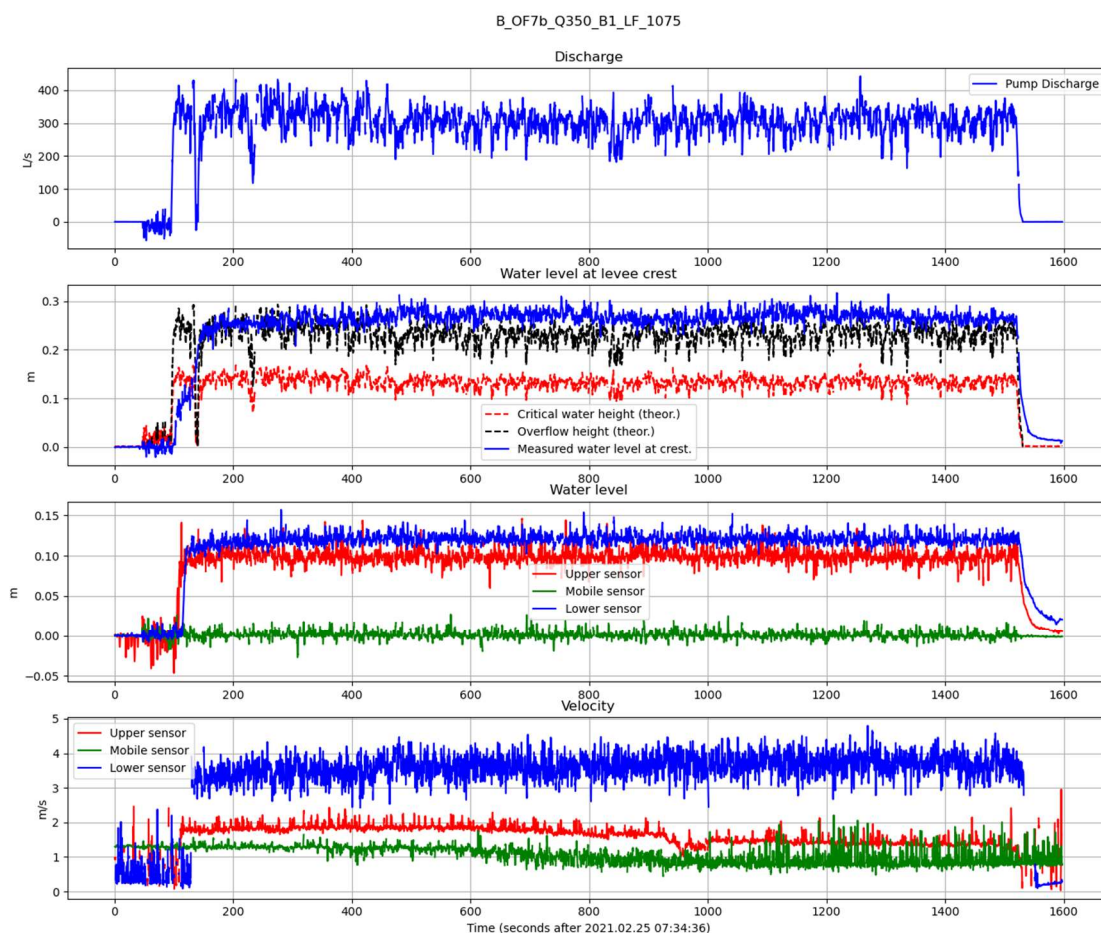
Annex G - B-OF07 Levee Challenge

The following timeseries details are reproduced in this section:

G.1 B-OF07b: Block 01	99
G.2 B-OF07b: Block 02	100
G.3 B-OF07b: Block 03	101
G.4 B-OF07b: Block 04	102
G.5 B-OF07b: Block 05	103
G.6 B-OF07b: Block 06	104
G.7 B-OF07a: Block 08	105
G.8 B-OF07a: Block 09	106
G.9 B-OF07a: Block 10	107
G.10 B-OF07a: Block 11	108
G.11 B-OF07a: Block 12	109
G.12 B-OF07a: Block 13	110

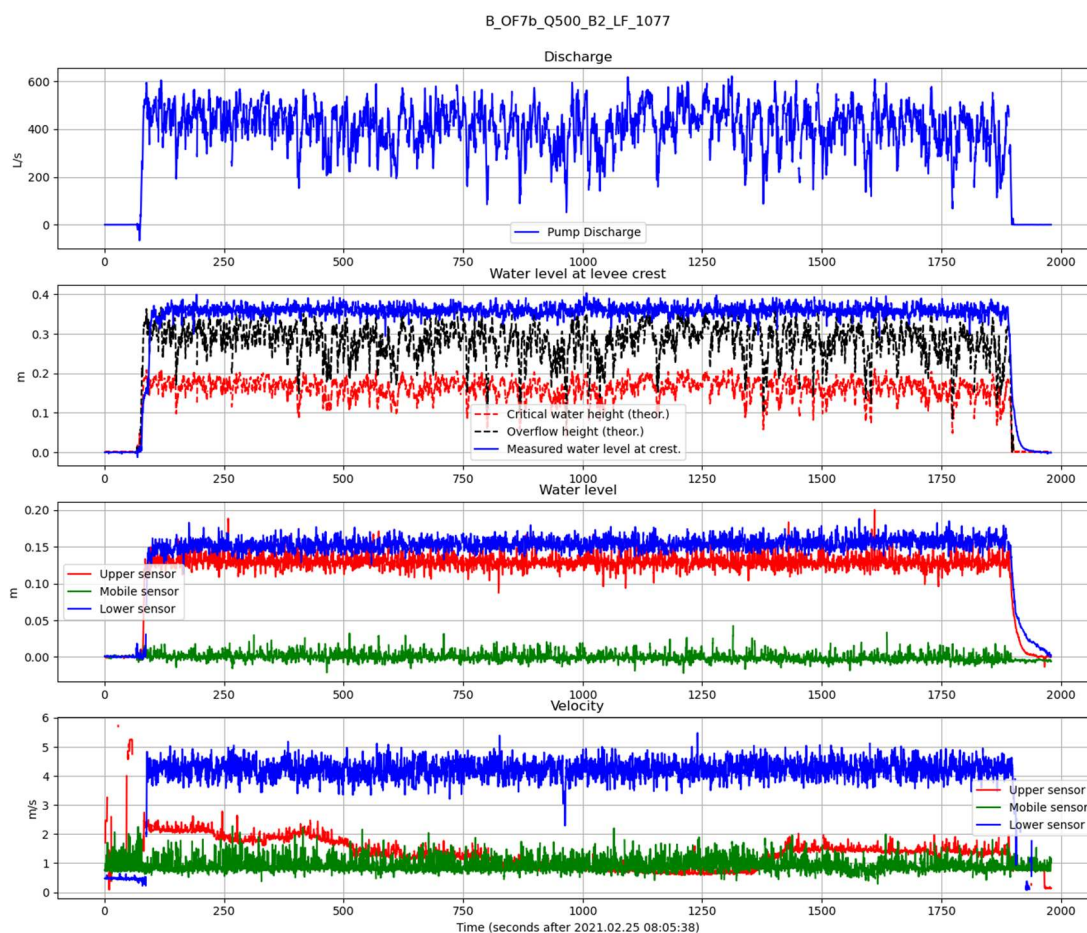
G.1 B-OF07b: Block 01

Start – stop	25/02/2021 8:35					
Stop	25/02/2021 9:00					
Duration	25 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=291 to 1455 sec (n=11641).					
	series	Min	max	mean	std	Unit
	DISCHARGE	163	443	307	37	l/s
	WH_CREST	0,21	0,32	0,27	0,01	m
	WH_UPPER	0,06	0,15	0,10	0,01	m
	WH_MOBILE	-0,03	0,03	0,00	0,00	m
	WH_LOWER	0,10	0,15	0,12	0,01	m
	VXY_UPPER	0,99	2,42	1,64	0,23	m/s
	VXY_MOBILE	0,44	2,21	1,02	0,23	m/s
	VXY_LOWER	2,42	4,80	3,64	0,31	m/s



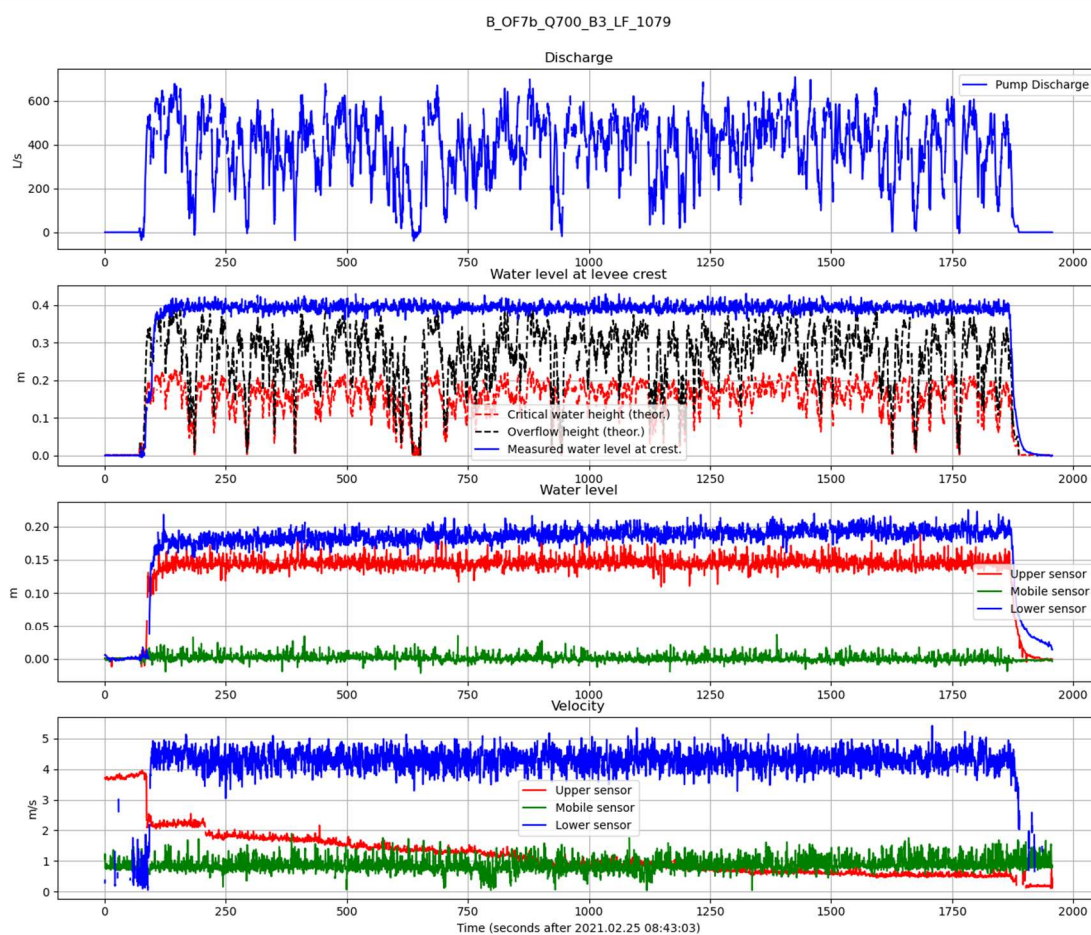
G.2 B-OF07b: Block 02

Start – stop	25/02/2021 9:06					
Stop	25/02/2021 9:38					
Duration	32 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=148 to 1789 sec (n=16413).					
	series	Min	max	mean	std	Unit
	DISCHARGE	51	621	409	90	l/s
	WH_CREST	0,29	0,40	0,36	0,01	m
	WH_UPPER	0,09	0,20	0,13	0,01	m
	WH_MOBILE	-0,02	0,04	0,00	0,01	m
	WH_LOWER	0,11	0,19	0,15	0,01	m
	VXY_UPPER	0,59	2,78	1,31	0,45	m/s
	VXY_MOBILE	0,29	2,28	0,93	0,22	m/s
	VXY_LOWER	2,29	5,48	4,24	0,28	m/s



G.3 B-OF07b: Block 03

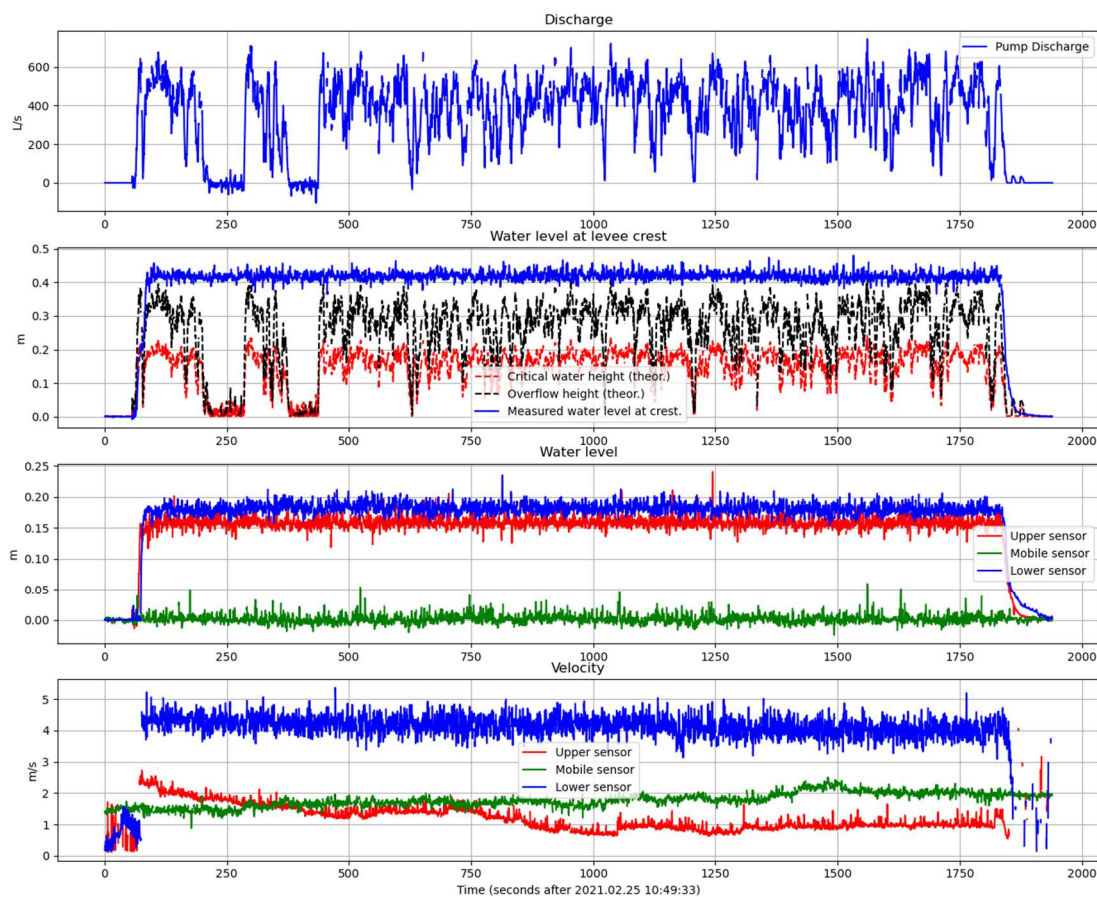
Start – stop	25/02/2021 9:44					
Stop	25/02/2021 10:14					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=130 to 1832 sec (n=17015).					
	series	Min	max	mean	std	Unit
	DISCHARGE	51	621	409	90	l/s
	WH_CREST	0,29	0,40	0,36	0,01	m
	WH_UPPER	0,09	0,20	0,13	0,01	m
	WH_MOBILE	-0,02	0,04	0,00	0,01	m
	WH_LOWER	0,11	0,19	0,15	0,01	m
	VXY_UPPER	0,59	2,78	1,31	0,45	m/s
	VXY_MOBILE	0,29	2,28	0,93	0,22	m/s
	VXY_LOWER	2,29	5,48	4,24	0,28	m/s



G.4 B-OF07b: Block 04

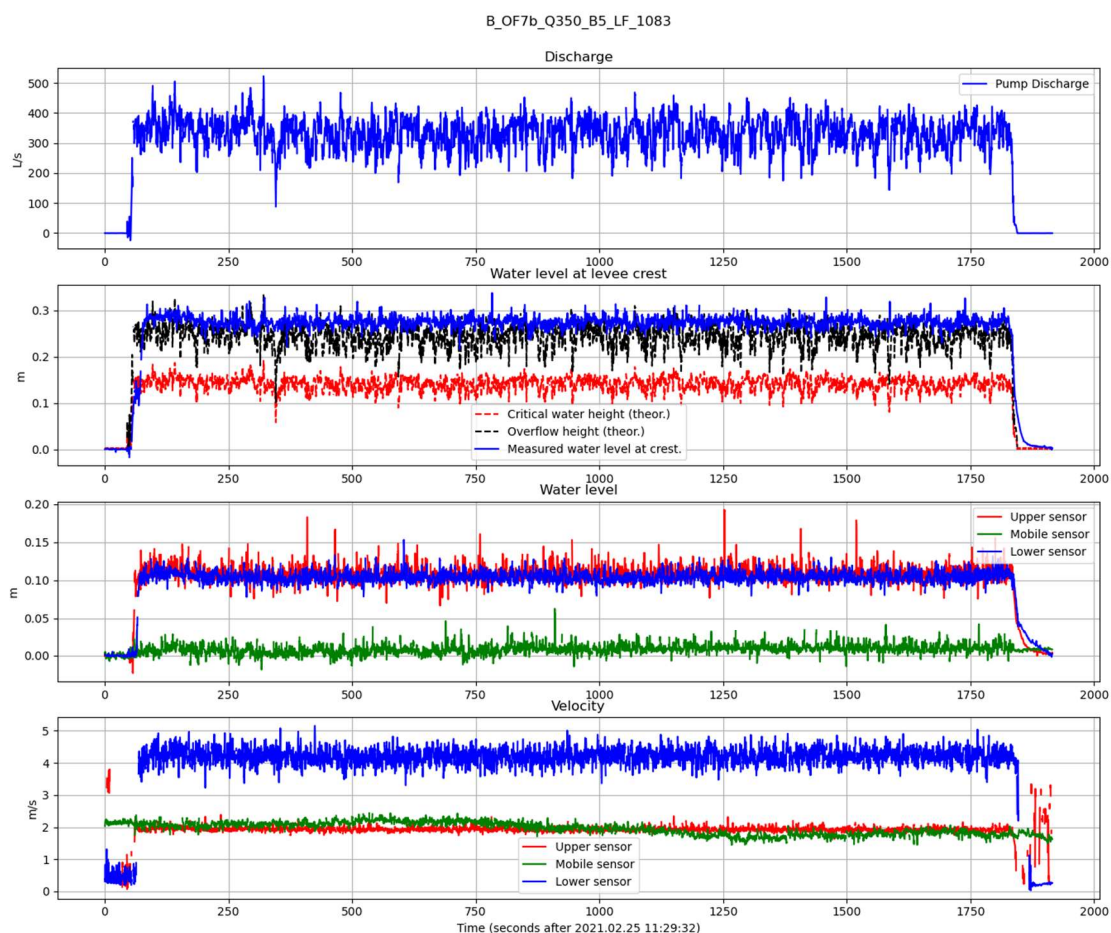
Start – stop	21/02/2021 11:50				
Stop	21/02/2021 12:20				
Duration	30 minutes				
Pump	Hidrostal I16K-HD				
Discharge					
Notes	Inflow in section is uneven; upper sensors are not reliable.				
Statistics	Calculated from t=485 to 1753 sec (n=12678).				
series	Min	max	mean	std	Unit
DISCHARGE	-34	744	403	137	l/s
WH_CREST	0,37	0,48	0,42	0,01	m
WH_UPPER	0,12	0,24	0,16	0,01	m
WH_MOBILE	-0,02	0,06	0,00	0,01	m
WH_LOWER	0,15	0,24	0,18	0,01	m
VXY_UPPER	0,63	1,91	1,05	0,25	m/s
VXY_MOBILE	1,22	2,50	1,84	0,19	m/s
VXY_LOWER	3,13	5,04	4,12	0,27	m/s

B_OF7b_Q600_B4_LF_1081



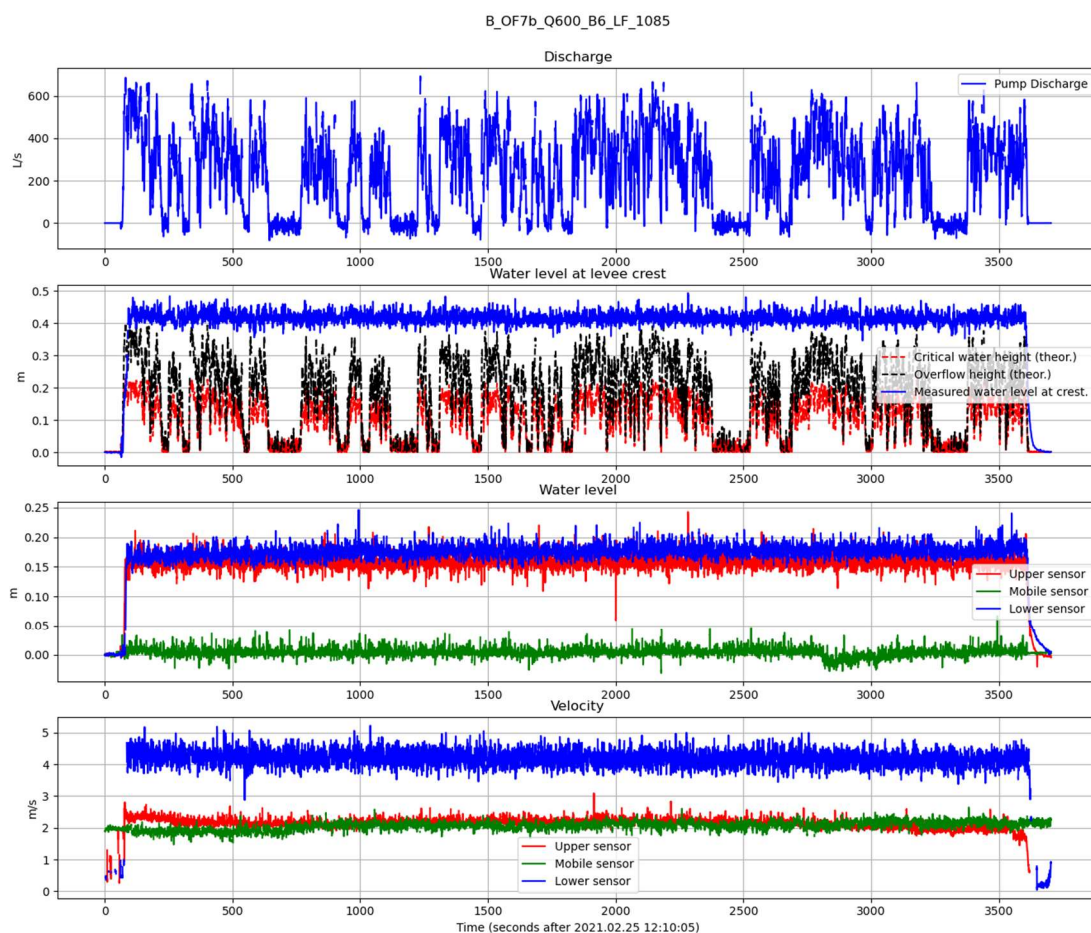
G.5 B-OF07b: Block 05

Start – stop	25/02/2021 12:30					
Stop	25/02/2021 13:00					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=85 to 1799 sec (n=17142).					
	series	Min	max	mean	std	Unit
	DISCHARGE	88	522	333	49	l/s
	WH_CREST	0,22	0,34	0,27	0,01	m
	WH_UPPER	0,07	0,19	0,11	0,01	m
	WH_MOBILE	-0,02	0,06	0,01	0,01	m
	WH_LOWER	0,08	0,15	0,10	0,01	m
	VXY_UPPER	1,63	2,38	1,93	0,06	m/s
	VXY_MOBILE	1,45	2,43	1,96	0,19	m/s
	VXY_LOWER	3,22	5,15	4,21	0,23	m/s



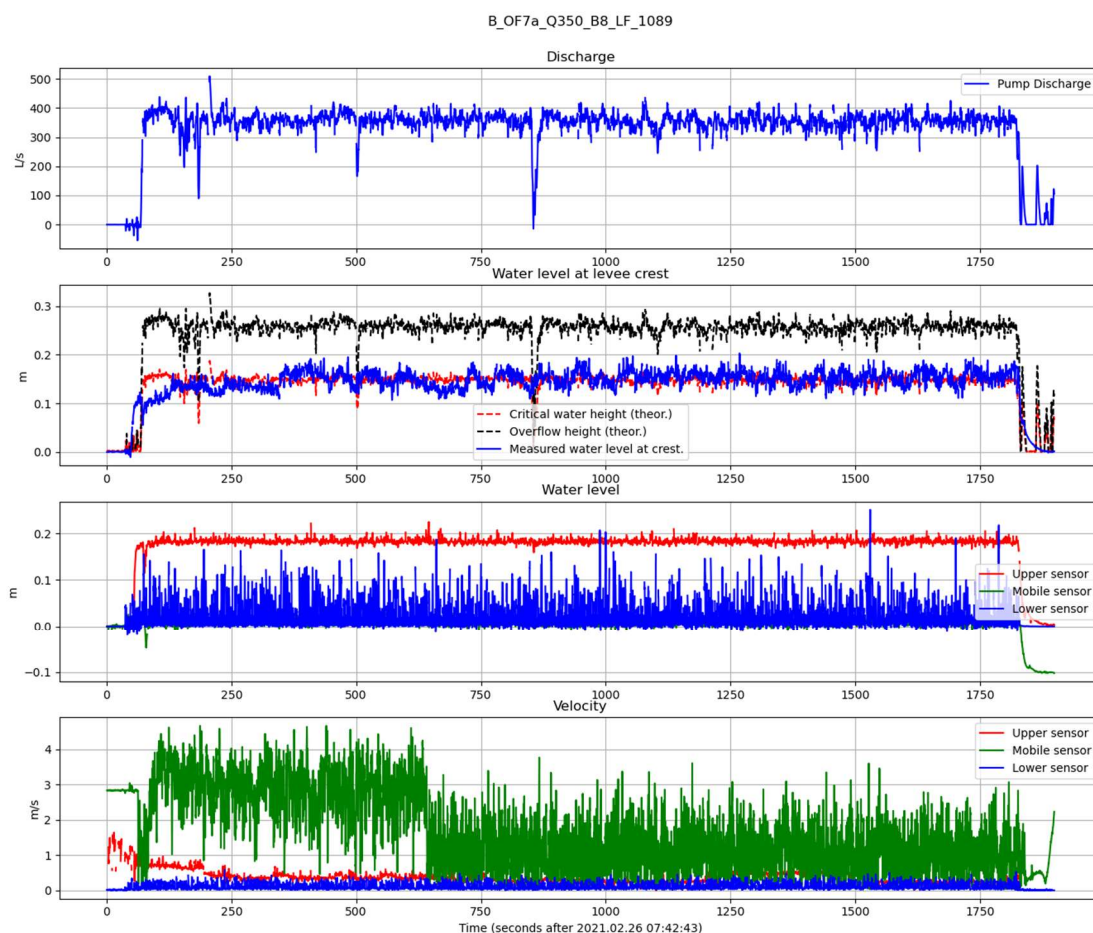
G.6 B-OF07b: Block 06

Start – stop	25/02/2021 13:10					
Stop	25/02/2021 14:10					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=1872 to 2349 sec (n=4768).					
	series	Min	max	mean	std	Unit
	DISCHARGE	-39	666	335	152	l/s
	WH_CREST	0,36	0,49	0,42	0,01	m
	WH_UPPER	0,06	0,24	0,16	0,01	m
	WH_MOBILE	-0,03	0,05	0,01	0,01	m
	WH_LOWER	0,15	0,22	0,18	0,01	m
	VXY_UPPER	1,94	3,09	2,21	0,10	m/s
	VXY_MOBILE	1,76	2,60	2,11	0,09	m/s
	VXY_LOWER	3,58	5,00	4,18	0,21	m/s



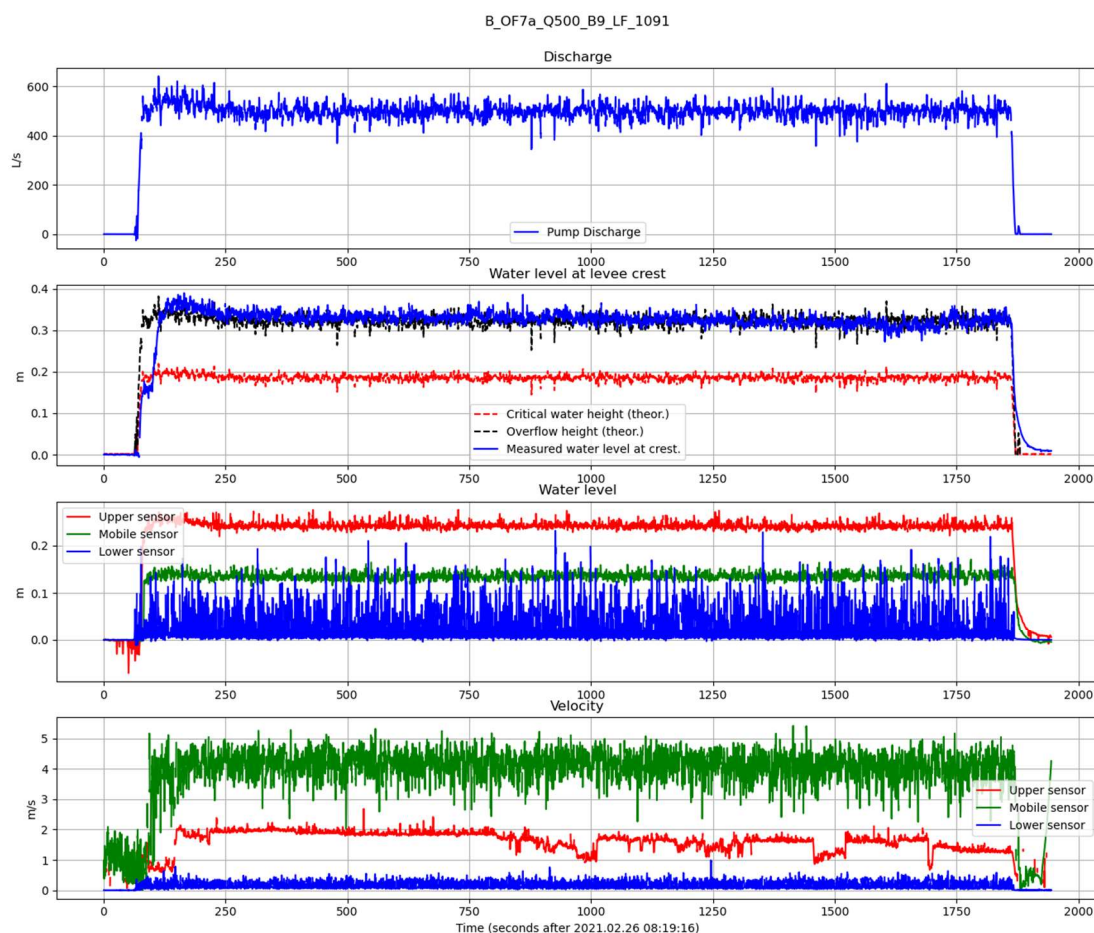
G.7 B-OF07a: Block 08

Start – stop	26/02/2021 8:43					
Stop	26/02/2021 9:13					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=109 to 1803 sec (n=16934).					
	series	Min	max	mean	std	Unit
	DISCHARGE	-14	510	355	36	l/s
	WH_CREST	0,10	0,20	0,15	0,02	m
	WH_UPPER	0,16	0,22	0,18	0,00	m
	WH_MOBILE	-0,01	0,04	0,01	0,01	m
	WH_LOWER	-0,01	0,25	0,03	0,03	m
	VXY_UPPER	0,00	0,96	0,36	0,13	m/s
	VXY_MOBILE	0,02	4,66	1,70	1,02	m/s
	VXY_LOWER	0,01	0,58	0,12	0,09	m/s



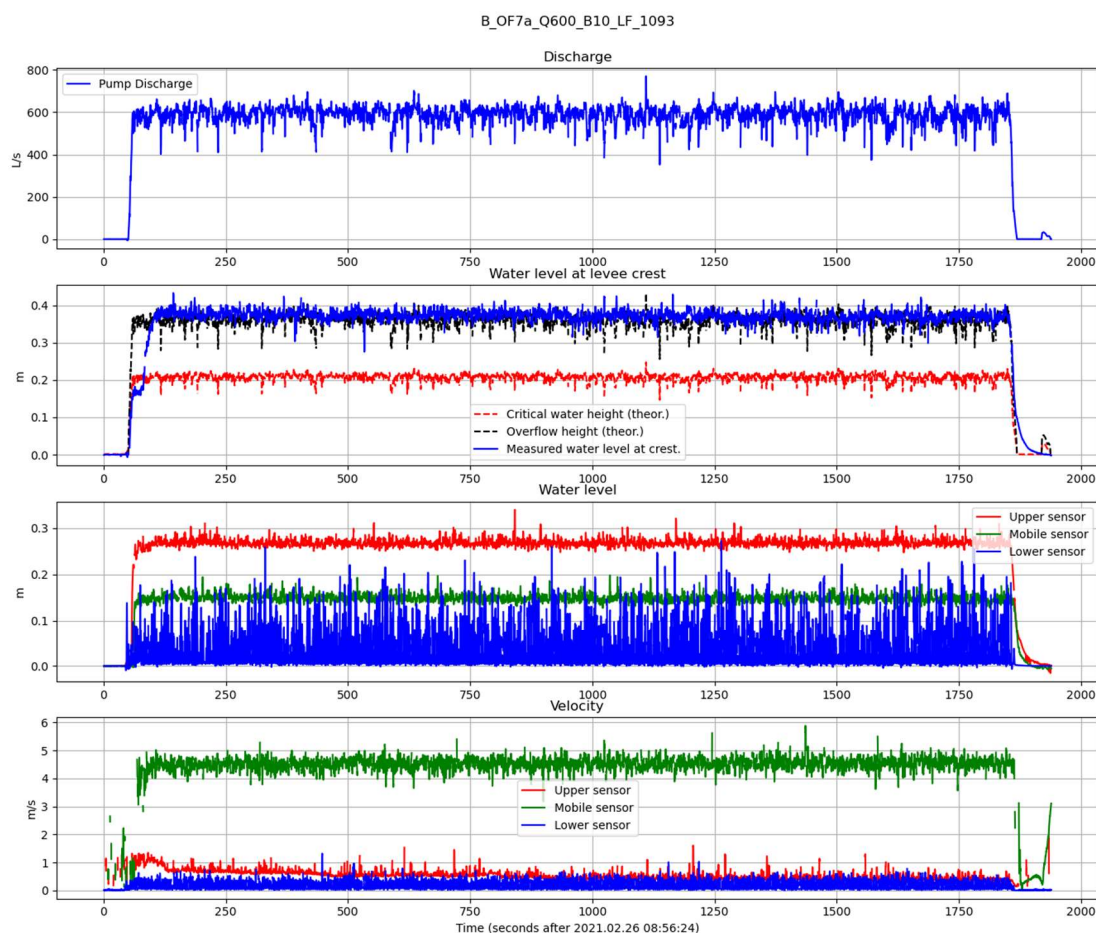
G.8 B-OF07a: Block 09

Start – stop	26/02/2021 9:20					
Stop	26/02/2021 9:50					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=96 to 1830 sec (n=17341).					
	series	Min	max	mean	std	Unit
	DISCHARGE	344	641	502	27	l/s
	WH_CREST	0,15	0,39	0,33	0,02	m
	WH_UPPER	0,22	0,27	0,24	0,01	m
	WH_MOBILE	0,11	0,17	0,14	0,01	m
	WH_LOWER	0,00	0,23	0,04	0,04	m
	VXY_UPPER	0,59	2,68	1,65	0,30	m/s
	VXY_MOBILE	0,83	5,41	4,10	0,44	m/s
	VXY_LOWER	0,02	0,99	0,19	0,12	m/s



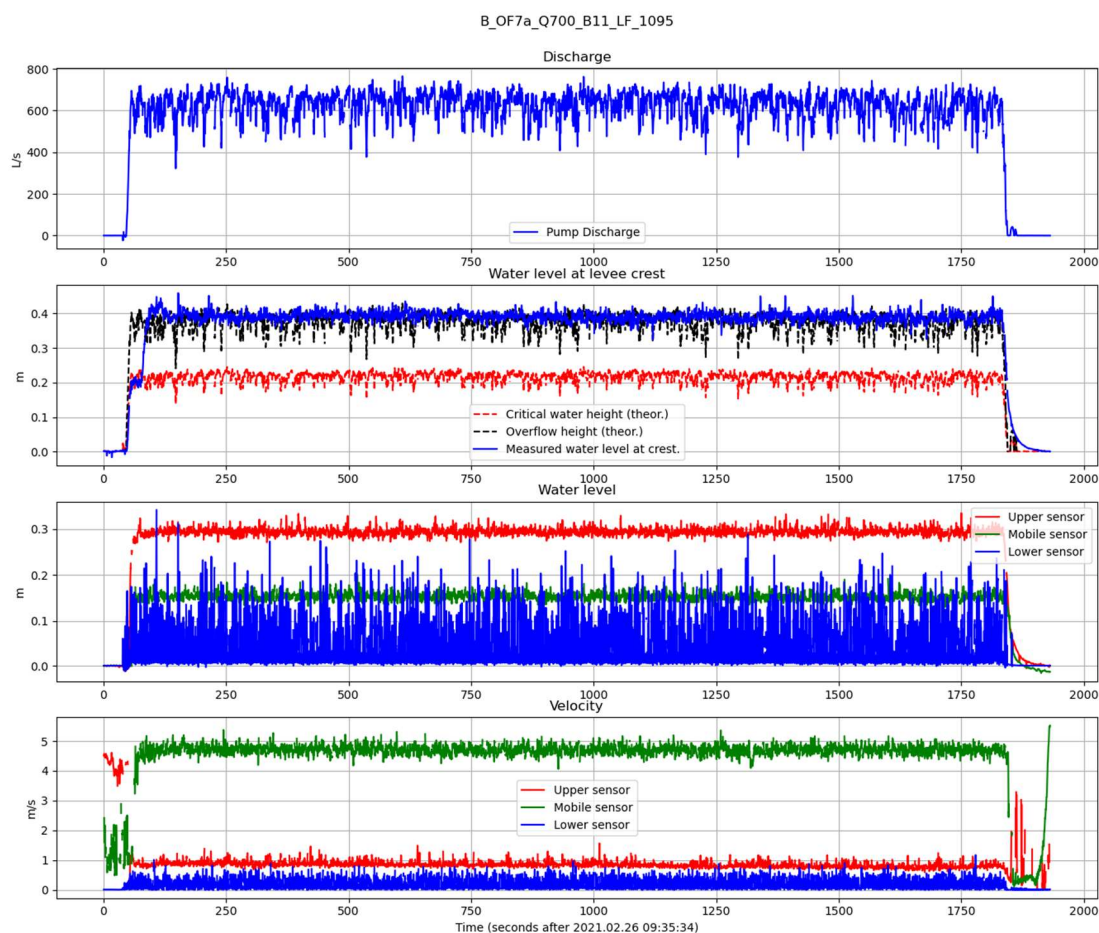
G.9 B-OF07a: Block 10

Start – stop	26/02/2021 9:57					
Stop	26/02/2021 10:27					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=88 to 1839 sec (n=17510).					
	series	Min	max	mean	std	Unit
	DISCHARGE	352	771	591	39	l/s
	WH_CREST	0,28	0,43	0,37	0,01	m
	WH_UPPER	0,25	0,34	0,27	0,01	m
	WH_MOBILE	0,12	0,20	0,15	0,01	m
	WH_LOWER	0,00	0,27	0,05	0,05	m
	VXY_UPPER	0,32	1,60	0,53	0,16	m/s
	VXY_MOBILE	3,18	5,88	4,52	0,20	m/s
	VXY_LOWER	0.01	1.32	0.23	0.16	m/s



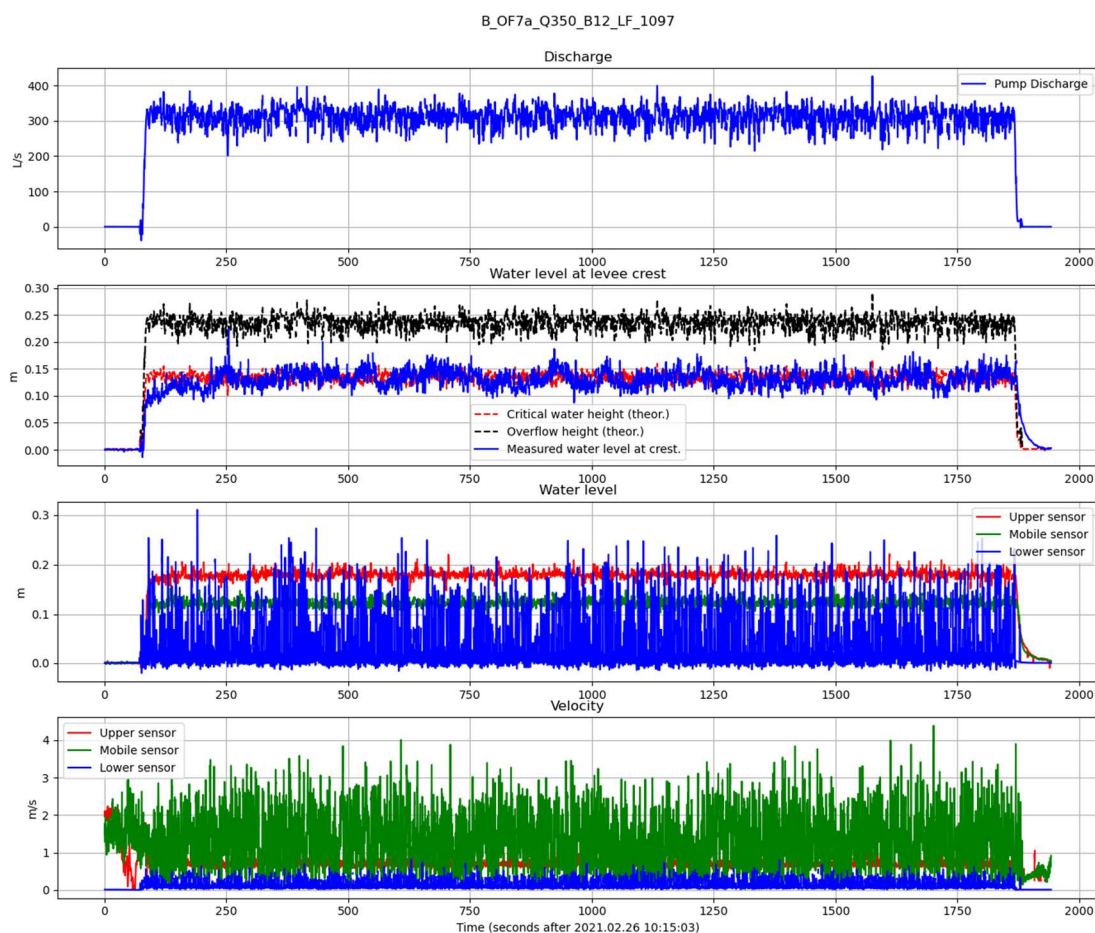
G.10 B-OF07a: Block 11

Start – stop	26/02/2021 10:36					
Stop	26/02/2021 11:06					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=84 to 1792 sec (n=17086).					
	series	Min	max	mean	std	Unit
	DISCHARGE	322	765	631	61	l/s
	WH_CREST	0,32	0,46	0,39	0,01	m
	WH_UPPER	0,27	0,33	0,29	0,01	m
	WH_MOBILE	0,13	0,20	0,15	0,01	m
	WH_LOWER	0,00	0,34	0,06	0,06	m
	VXY_UPPER	0,59	1,56	0,85	0,09	m/s
	VXY_MOBILE	4,06	5,38	4,70	0,15	m/s
	VXY_LOWER	0.00	1.17	0.25	0.19	m/s



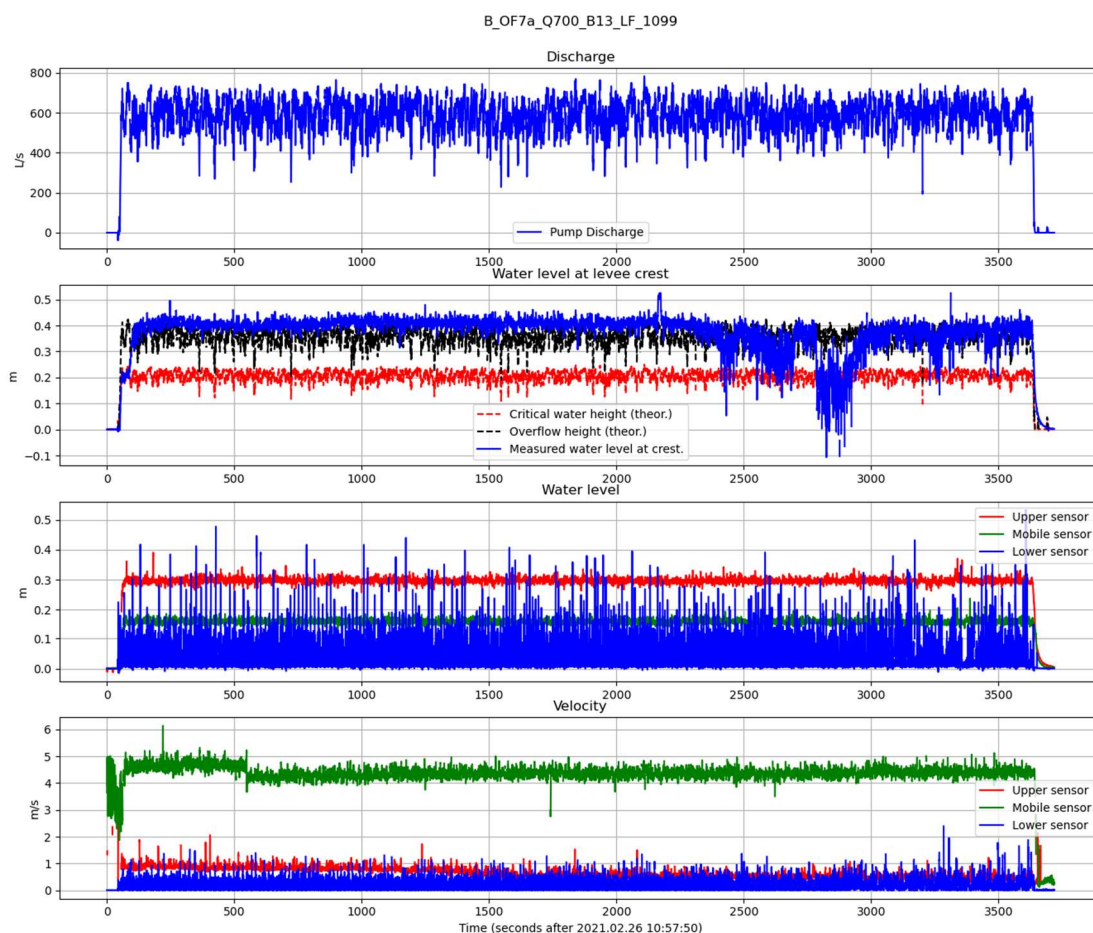
G.11 B-OF07a: Block 12

Start – stop	26/02/2021 11:16					
Stop	26/02/2021 11:46					
Duration	30 minutes					
Pump	Hidrostal I16K-HD					
Discharge						
Notes	Inflow in section is uneven; upper sensors are not reliable.					
Statistics	Calculated from t=110 to 1834 sec (n=17245).					
	series	Min	max	mean	std	Unit
	DISCHARGE	201	427	313	26	l/s
	WH_CREST	0,09	0,22	0,13	0,01	m
	WH_UPPER	0,15	0,22	0,18	0,01	m
	WH_MOBILE	0,10	0,16	0,12	0,01	m
	WH_LOWER	-0,02	0,31	0,05	0,06	m
	VXY_UPPER	0,53	1,59	0,69	0,07	m/s
	VXY_MOBILE	0,01	4,39	1,38	0,70	m/s
	VXY_LOWER	0,01	0,82	0,16	0,13	m/s



G.12 B-OF07a: Block 13

012 013 014 015 016 017 018 019 020 021 022 023 024 025 026 027 028 029 030 031 032 033 034 035 036 037 038 039 040 041 042 043 044 045 046 047 048 049 050 051 052 053 054 055 056 057 058 059 060 061 062 063 064 065 066 067 068 069 070 071 072 073 074 075 076 077 078 079 080 081 082 083 084 085 086 087 088 089 090 091 092 093 094 095 096 097 098 099 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 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1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 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2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685



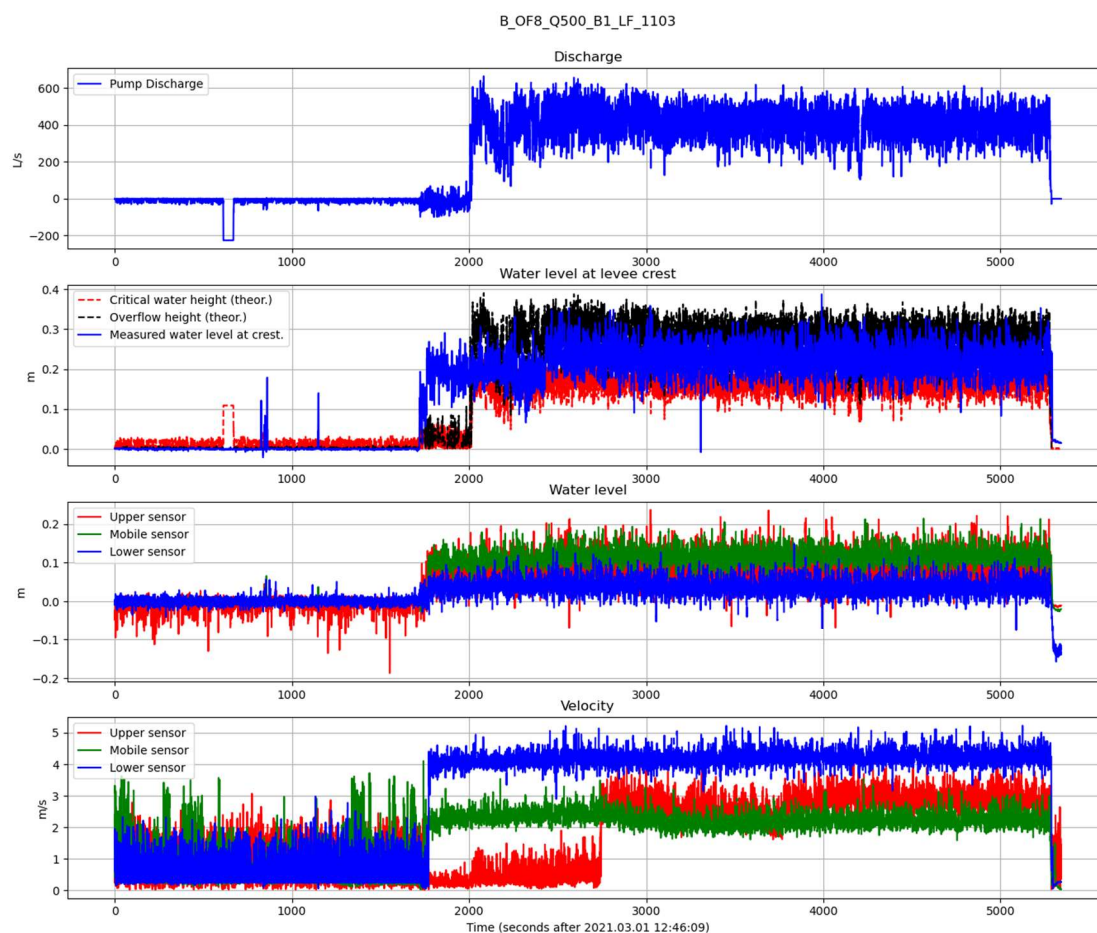
Annex H - B-OF08 Reference

The following timeseries details are reproduced in this section:

H.1 B-OF08: Block 01	112
H.2 B-OF08: Block 02	113
H.3 B-OF08: Block 03	114
H.4 B-OF08: Block 04	115
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H.11 B-OF08: Block 15	122

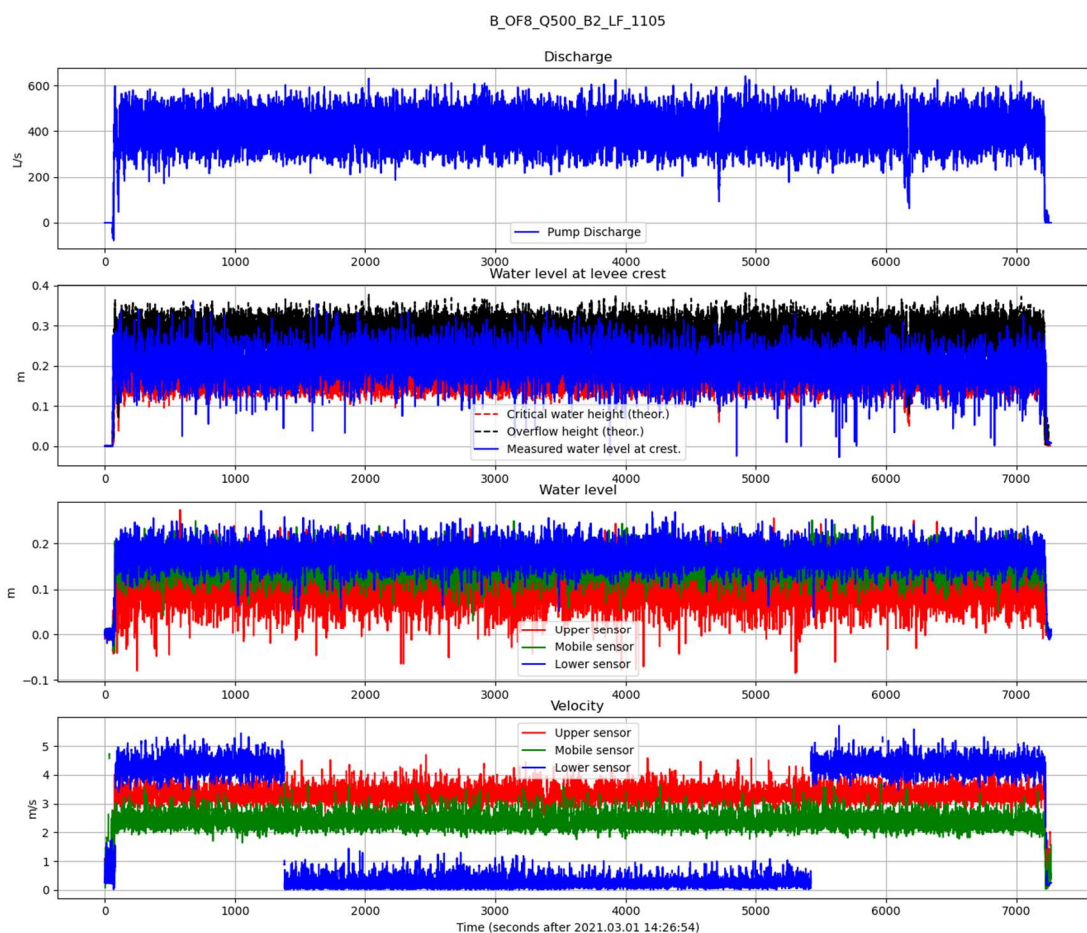
H.1 B-OF08: Block 01

Start – stop	1/03/2021 14:14					
Stop	1/03/2021 15:14					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500					
Notes	16 cm water on crest (manual). VXY_MOBILE ON CREST!					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
series	Min	max	mean	std	Unit	
DISCHARGE	68	663	415	78	l/s	
WH_CREST	-0,008	0,387	0,220	0,035	m	
WH_UPPER	-0,068	0,236	0,084	0,031	m	
WH_MOBILE	0,024	0,214	0,115	0,019	m	
WH_LOWER	-0,076	0,149	0,039	0,019	m	
VXY_UPPER	0,04	4,30	2,23	0,98	m/s	
VXY_MOBILE	1,58	3,53	2,24	0,22	m/s	
VXY_LOWER	2,90	5,23	4,19	0,22	m/s	



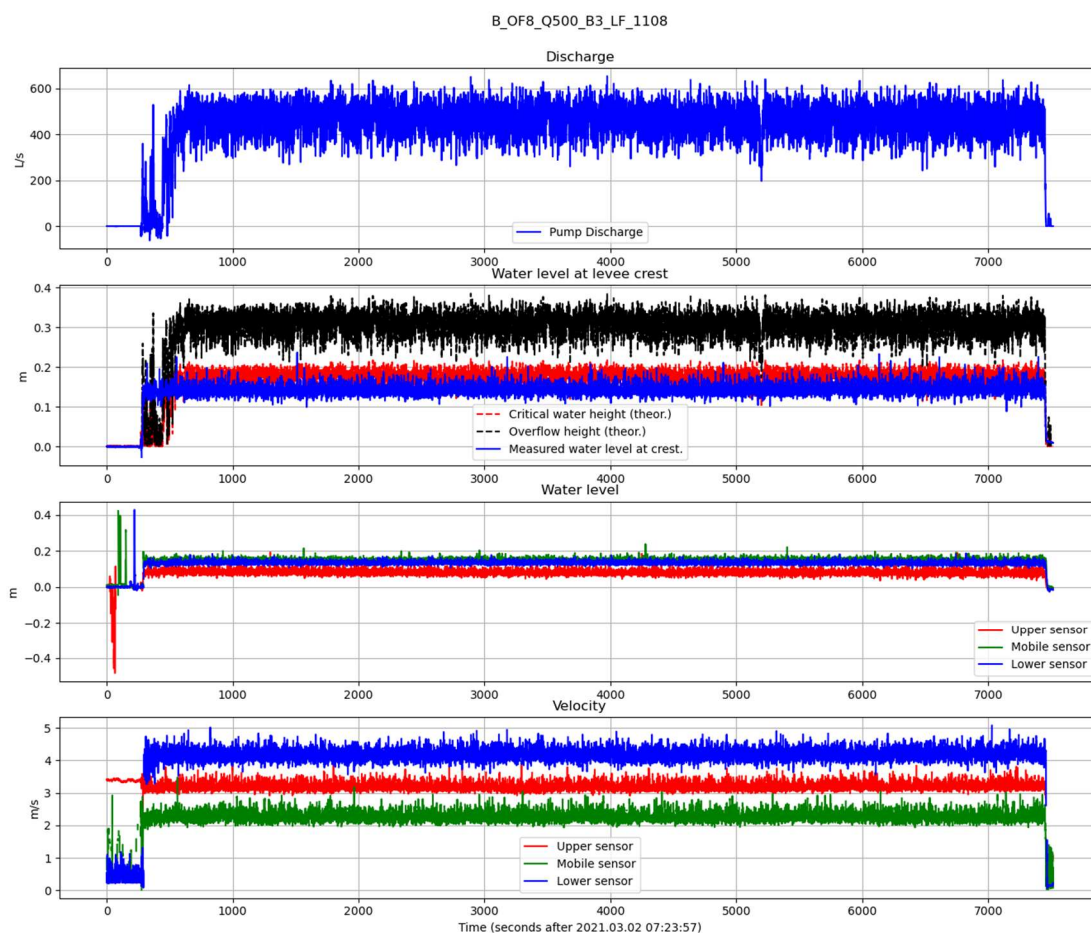
H.2 B-OF08: Block 02

Start – stop	01/03/2021 15:27				
Stop	01/03/2021 17:27				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge	500 L/s				
Notes	15.5 cm water on crest (manual). VXY_MOBILE ON CREST!				
Statistics	Calculated from t=97 to 3569 sec (n=34718).				
series	Min	max	mean	std	Unit
DISCHARGE	63	640	412	66	l/s
WH_CREST	-0,028	0,362	0,201	0,035	m
WH_UPPER	-0,085	0,273	0,102	0,034	m
WH_MOBILE	0,031	0,259	0,151	0,022	m
WH_LOWER	0,039	0,271	0,173	0,021	m
VXY_UPPER	2,25	4,69	3,30	0,23	m/s
VXY_MOBILE	1,64	3,72	2,38	0,23	m/s
VXY_LOWER	0.00	5.71	2.01	2.00	m/s



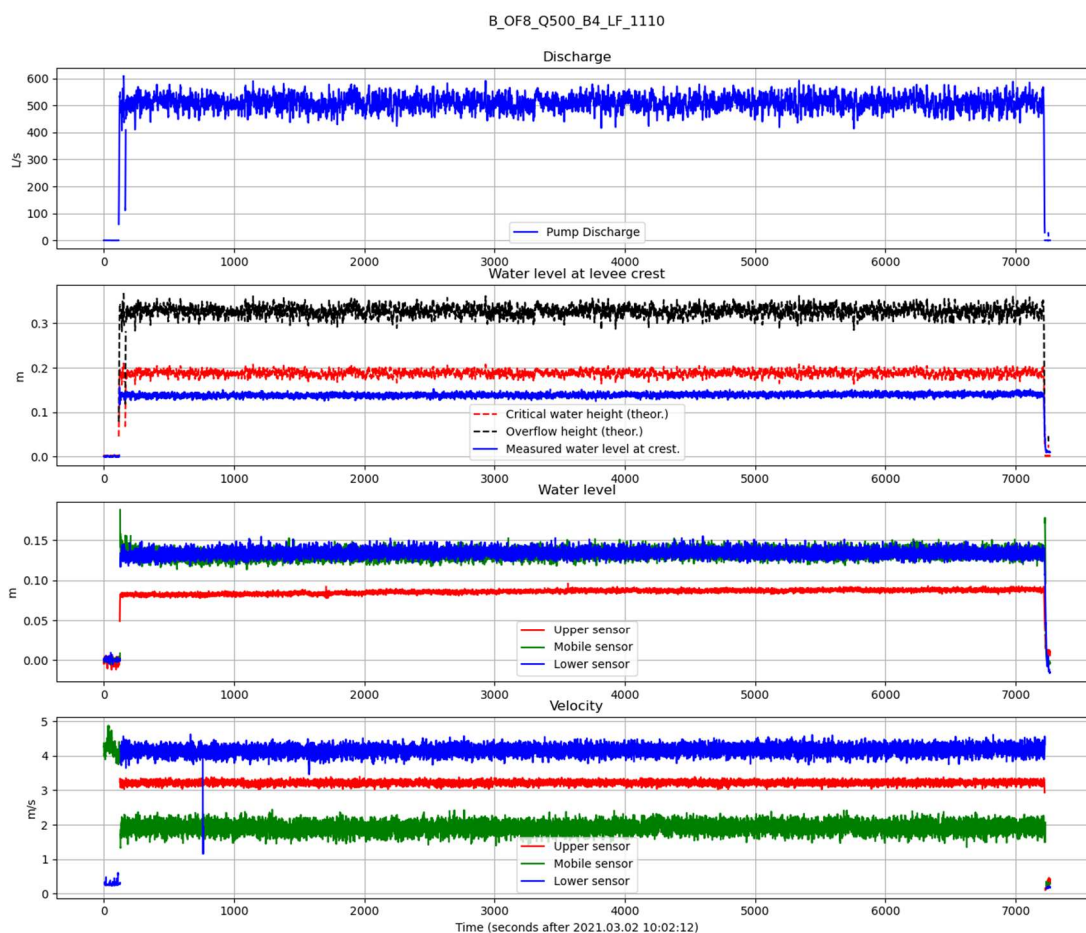
H.3 B-OF08: Block 03

Start – stop	02/03/2021 8:28					
Stop	02/03/2021 10:28					
Duration	120 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500					
Notes	16 cm water on crest (manual). VXY_MOBILE ON CREST!					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	196	653	473	55	l/s
	WH_CREST	0,089	0,233	0,143	0,011	m
	WH_UPPER	0,035	0,190	0,079	0,012	m
	WH_MOBILE	0,116	0,239	0,148	0,009	m
	WH_LOWER	0,103	0,187	0,134	0,008	m
	VXY_UPPER	2,91	3,96	3,19	0,10	m/s
	VXY_MOBILE	1,93	3,18	2,27	0,13	m/s
	VXY_LOWER	3,56	5,07	4,18	0,15	m/s



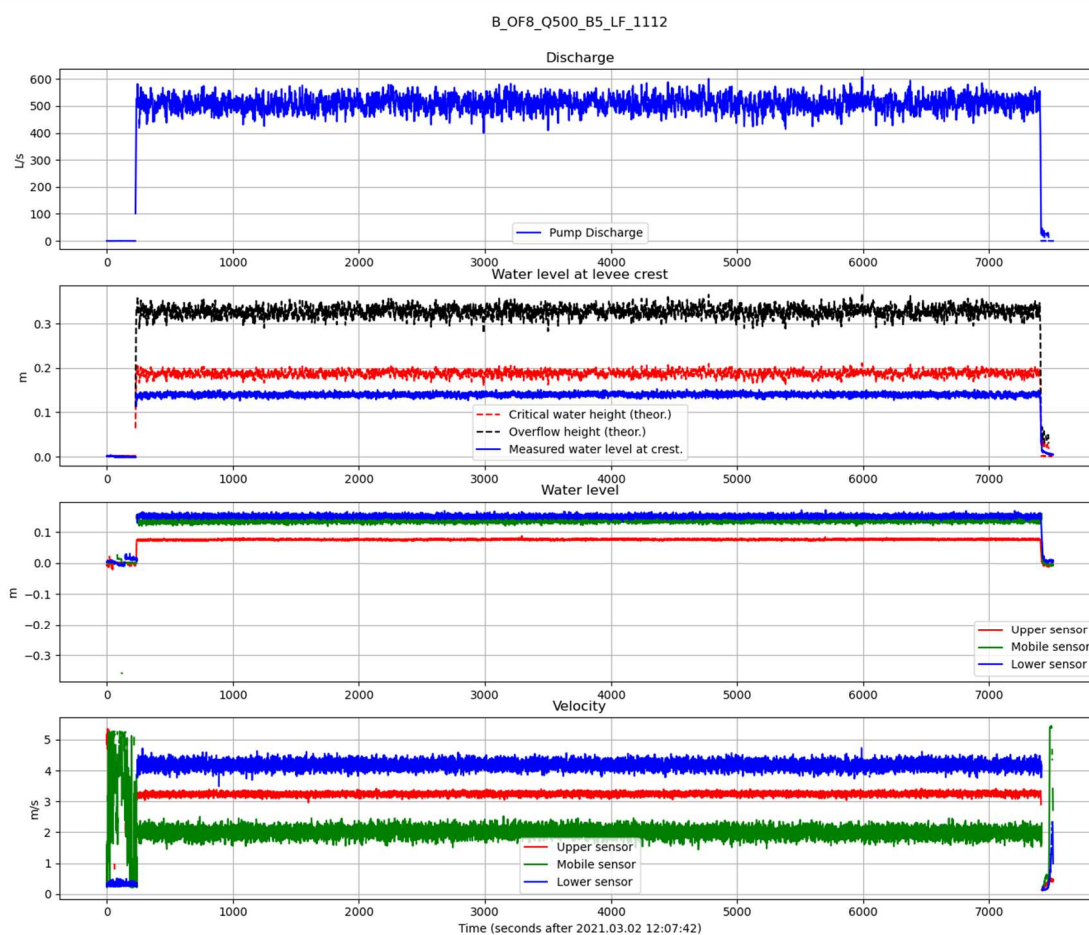
H.4 B-OF08: Block 04

Start – stop	02/03/2021 11:03					
Stop	02/03/2021 13:02					
Duration	15.5 minutes					
Pump	Hidrostral I16K-HD					
Discharge	500					
Notes	15.5 cm water on crest (manual). VXY_MOBILE ON CREST!					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	414	593	511	25	l/s
	WH_CREST	0,124	0,152	0,139	0,003	m
	WH_UPPER	0,078	0,096	0,086	0,002	m
	WH_MOBILE	0,113	0,152	0,133	0,005	m
	WH_LOWER	0,119	0,155	0,134	0,004	m
	VXY_UPPER	3,02	3,39	3,22	0,05	m/s
	VXY_MOBILE	1,35	2,44	1,92	0,14	m/s
	VXY_LOWER	1.15	4.63	4.16	0.14	m/s



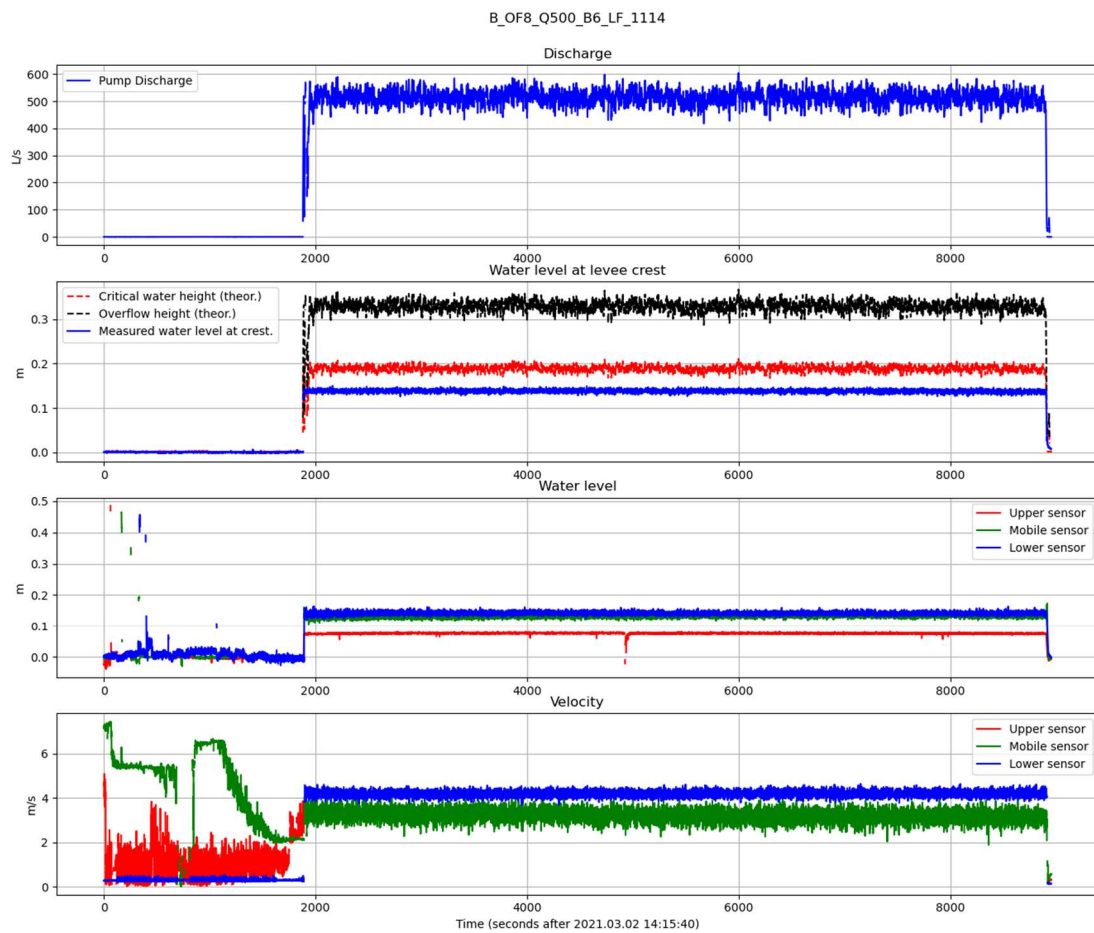
H.5 B-OF08: Block 05

Start – stop	02/03/2021 13:11				
Stop	02/03/2021 15:11				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge	500				
Notes	16 cm water on crest (manual). VXY_MOBILE ON CREST!				
Statistics	Calculated from t=97 to 3569 sec (n=34718).				
series	Min	max	mean	std	Unit
DISCHARGE	400	607	509	26	l/s
WH_CREST	0,126	0,153	0,140	0,003	m
WH_UPPER	0,070	0,087	0,076	0,001	m
WH_MOBILE	0,118	0,158	0,136	0,005	m
WH_LOWER	0,134	0,171	0,150	0,004	m
VXY_UPPER	2,96	3,42	3,24	0,05	m/s
VXY_MOBILE	1,44	2,52	2,00	0,13	m/s
VXY_LOWER	3,50	4,73	4,18	0,11	m/s



H.6 B-OF08: Block 06

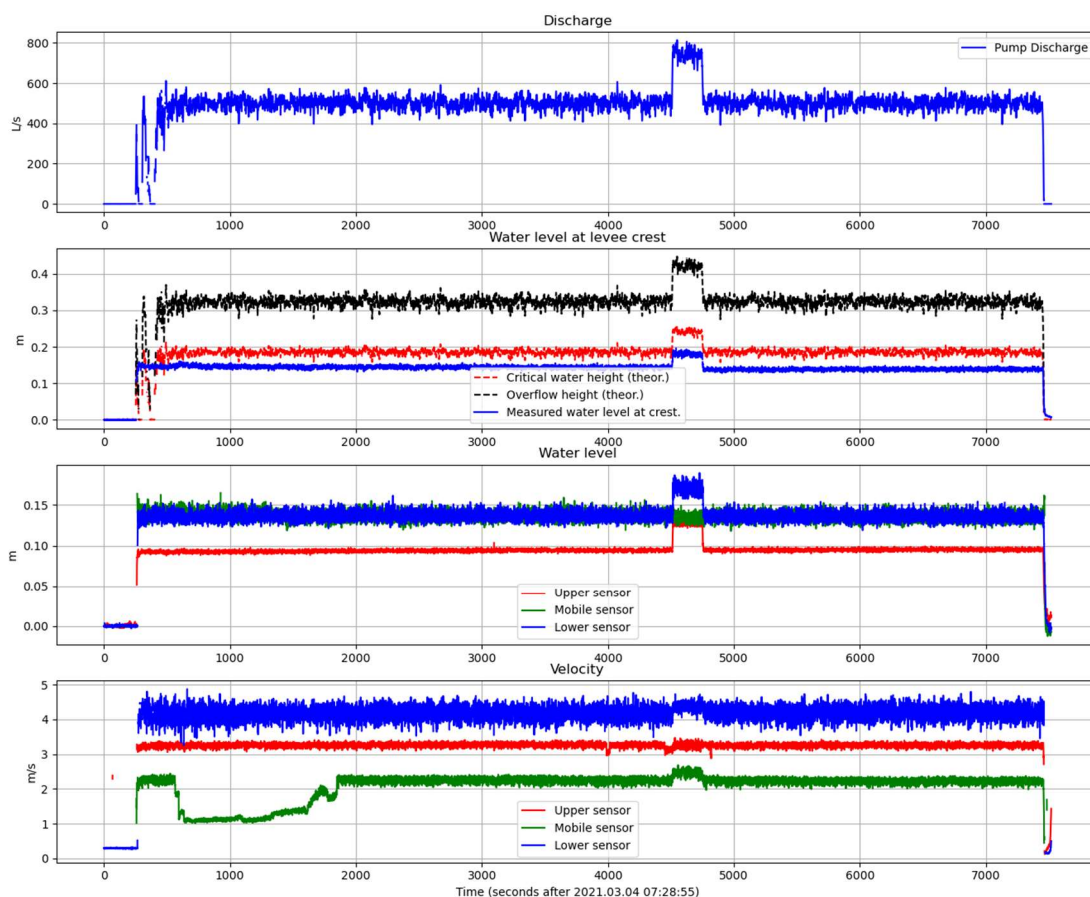
Start – stop	02/03/2021 15:46				
Stop	02/03/2021 16:44				
Duration	58 minutes				
Pump	Hidrostal I16K-HD				
Discharge	500				
Notes	15.5 cm water on crest (manual). VXY_MOBILE ON CREST!				
Statistics	Calculated from t=97 to 3569 sec (n=34718).				
series	Min	max	mean	std	Unit
DISCHARGE	418	604	513	25	l/s
WH_CREST	0,126	0,150	0,138	0,003	m
WH_UPPER	-0,021	0,081	0,075	0,002	m
WH_MOBILE	0,111	0,154	0,133	0,005	m
WH_LOWER	0,123	0,163	0,141	0,004	m
VXY_UPPER	2,99	3,46	3,27	0,06	m/s
VXY_MOBILE	1,89	4,28	3,21	0,23	m/s
VXY LOWER	3,67	4,63	4,19	0,11	m/s



H.7 B-OF08: Block 11

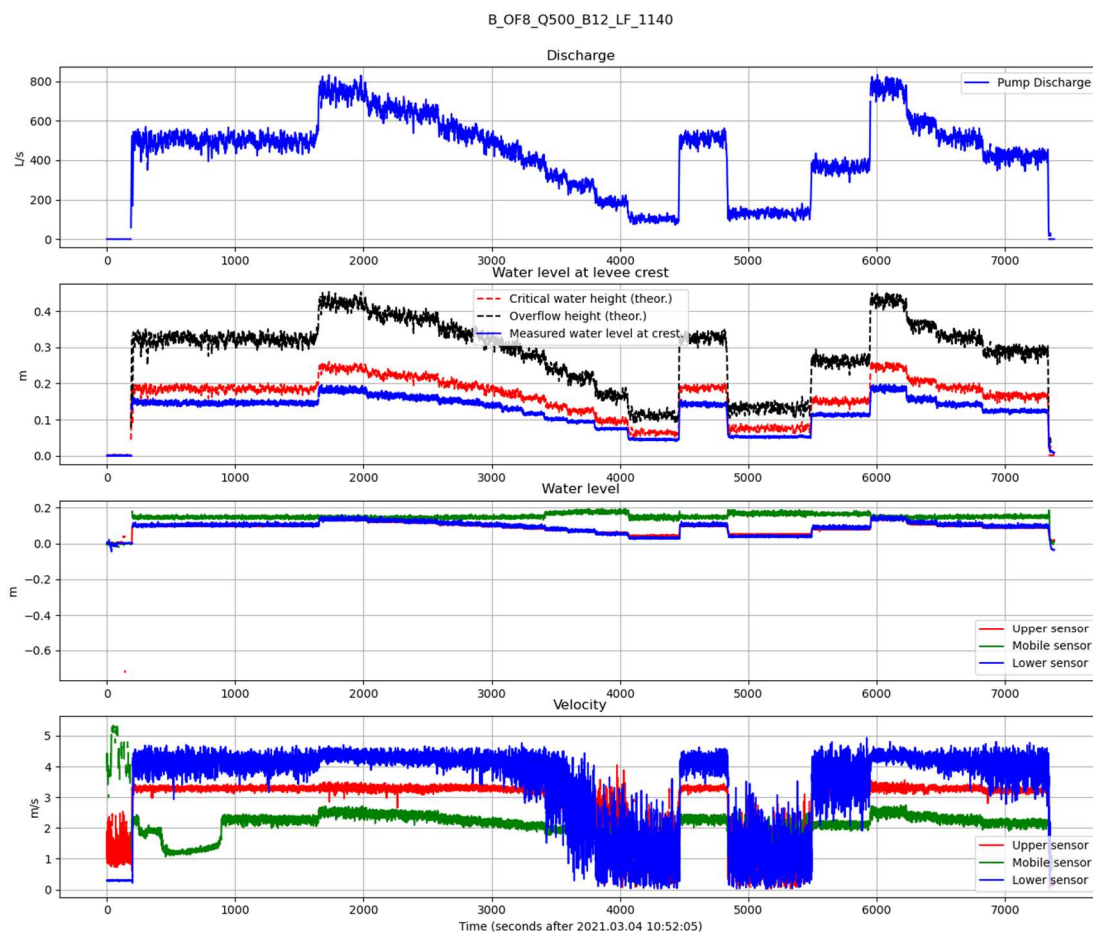
Start – stop	4/03/2021 8:33					
Stop	4/03/2021 10:33					
Duration	120 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500 & 750					
Notes	15 cm resp 20 cm water on crest (manual). VXY_MOBILE ON CREST!					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	395	606	500	27	l/s
	WH_CREST	0,132	0,158	0,145	0,003	m
	WH_UPPER	0,088	0,103	0,094	0,001	m
	WH_MOBILE	0,119	0,165	0,137	0,005	m
	WH_LOWER	0,121	0,162	0,137	0,005	m
	VXY_UPPER	2,96	3,42	3,27	0,05	m/s
	VXY_MOBILE	1,02	2,42	1,95	0,47	m/s
	VXY_LOWER	3.46	4.87	4.17	0.16	m/s

B_OF8_Q500_B11_LF_1138



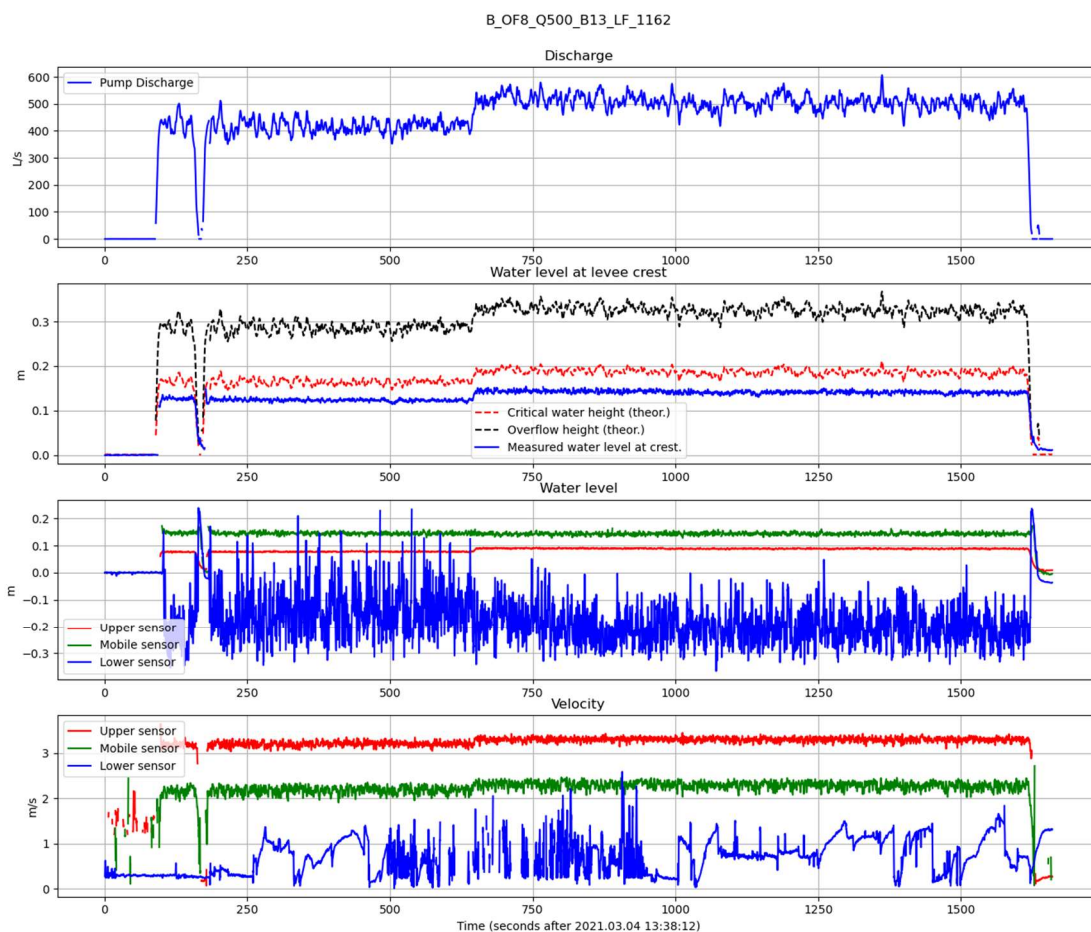
H.8 B-OF08: Block 12

Start – stop	4/03/2021 11:54					
Stop	4/03/2021 13:54					
Duration	120 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500-750-675-625-575-550-500-450-400-320-260-200-110-500					
Notes	VXY_MOBILE ON CREST!					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	351	569	497	29	l/s
	WH_CREST	0,135	0,159	0,146	0,003	m
	WH_UPPER	0,092	0,103	0,097	0,001	m
	WH_MOBILE	0,130	0,163	0,145	0,005	m
	WH_LOWER	0,087	0,124	0,103	0,005	m
	VXY_UPPER	2,98	3,44	3,29	0,05	m/s
	VXY_MOBILE	1,07	2,45	1,88	0,46	m/s
	VXY_LOWER	2,93	4,70	4,13	0,20	m/s



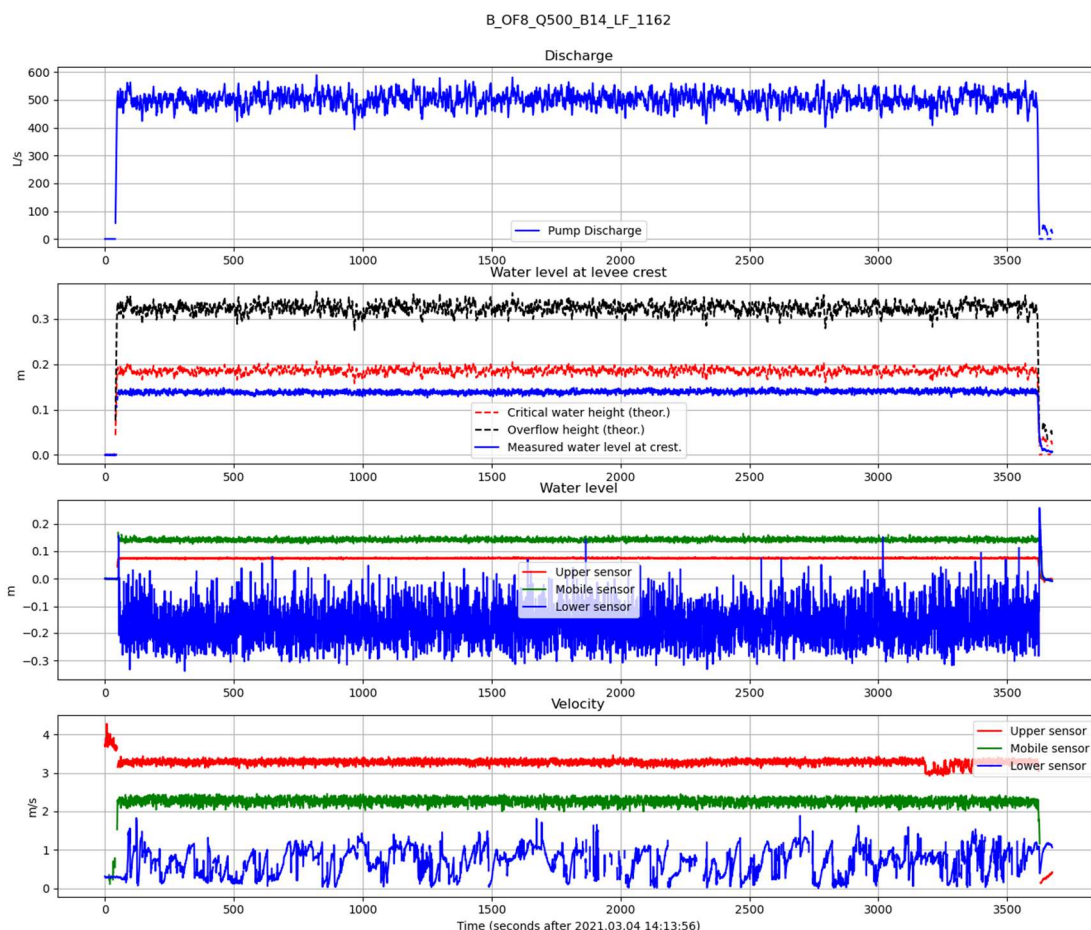
H.9 B-OF08: Block 13

Start – stop	04/03/2021 14:39					
Stop	04/03/2021 15:05					
Duration	26 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500					
Notes	17 cm water on crest. Obstacle positioned on slope! VXY_LOWER on crest.					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	351	508	416	25	l/s
	WH_CREST	0,114	0,133	0,123	0,003	m
	WH_UPPER	0,074	0,082	0,078	0,001	m
	WH_MOBILE	0,129	0,159	0,145	0,005	m
	WH_LOWER	-0,343	0,233	-0,141	0,092	m
	VXY_UPPER	3,03	3,35	3,21	0,05	m/s
	VXY_MOBILE	1,91	2,35	2,18	0,08	m/s
	VXY_LOWER	0.01	1.53	0.66	0.34	m/s



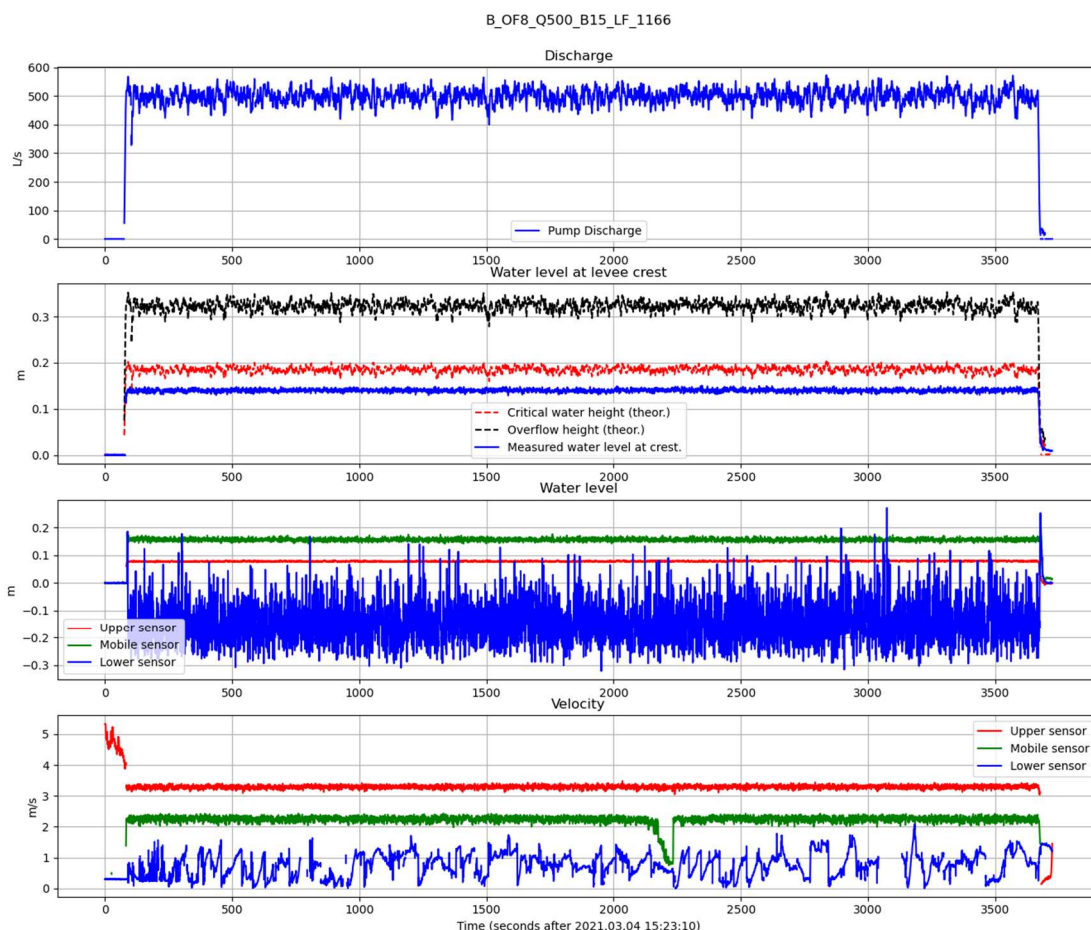
H.10 B-OF08: Block 14

Start – stop	04/03/2021 15:14					
Stop	04/03/2021 16:14					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500 l/s					
Notes	17 cm water on crest. Obstacle positioned on slope! VXY_LOWER on crest.					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	393	589	502	26	l/s
	WH_CREST	0,127	0,150	0,139	0,003	m
	WH_UPPER	0,070	0,080	0,075	0,001	m
	WH_MOBILE	0,126	0,164	0,142	0,005	m
	WH_LOWER	-0,338	0,152	-0,167	0,061	m
	VXY_UPPER	2,92	3,46	3,28	0,06	m/s
	VXY_MOBILE	1,99	2,46	2,27	0,08	m/s
	VXY_LOWER	0.00	1.89	0.69	0.34	m/s



H.11 B-OF08: Block 15

Start – stop	04/03/2021 16:24					
Stop	04/03/2021 17:24					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge	500 l/s					
Notes	17 cm water on crest. Obstacle positioned on slope! VXY_LOWER on crest.					
Statistics	Calculated from t=97 to 3569 sec (n=34718).					
	series	Min	max	mean	std	Unit
	DISCHARGE	400	573	500	25	l/s
	WH_CREST	0,129	0,151	0,140	0,003	m
	WH_UPPER	0,073	0,083	0,078	0,001	m
	WH_MOBILE	0,141	0,176	0,156	0,005	m
	WH_LOWER	-0,321	0,270	-0,145	0,068	m
	VXY_UPPER	3,05	3,48	3,29	0,04	m/s
	VXY_MOBILE	0,75	2,43	2,23	0,17	m/s
	VXY_LOWER	0.00	2.08	0.77	0.36	m/s



Annex I - B-OF09 Reference (high discharge)

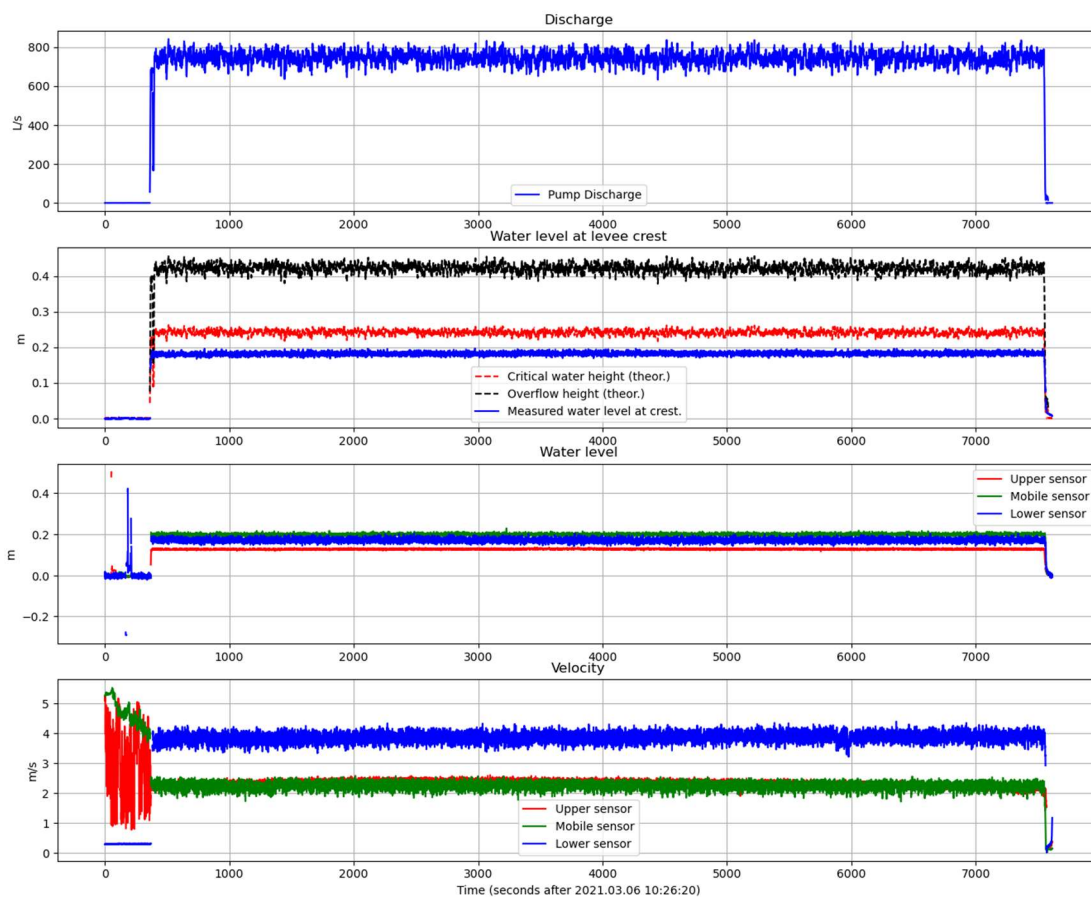
The following timeseries details are reproduced in this section:

I.1 B-OF09: Block 02	124
I.2 B-OF09: Block 03	125
I.3 B-OF09: Block 04	126
I.4 B-OF09: Block 05	127
I.5 B-OF09: Block 06	128
I.6 B-OF09: Block 07	129
I.7 B-OF09: Block 08	130
I.8 B-OF09: Block 09	131
I.9 B-OF09: Block 10	132
I.10 B-OF09: Block 11	133
I.11 B-OF09: Block 12	134

I.1 B-OF09: Block 02

Start – stop	06/03/2021 11:32					
Stop	06/03/2021 13:32					
Duration	120 minutes					
Pump	Hidrostal I16K-HD					
Discharge	750 l/s					
Notes	Note that the file for Block 01 was corrupt (2 hours at 750L/s)					
Statistics	Calculated from t=499 to 7477 sec (n=69779).					
	series	Min	max	mean	std	Unit
	DISCHARGE	633	842	746	30	l/s
	WH_CREST	0,167	0,197	0,182	0,004	m
	WH_UPPER	0,120	0,138	0,130	0,002	m
	WH_MOBILE	0,183	0,230	0,201	0,004	m
	WH_LOWER	0,143	0,208	0,173	0,008	m
	VXY_UPPER	1,90	2,61	2,33	0,09	m/s
	VXY_MOBILE	1,72	2,57	2,25	0,11	m/s
	VXY_LOWER	3,22	4,40	3,87	0,14	m/s

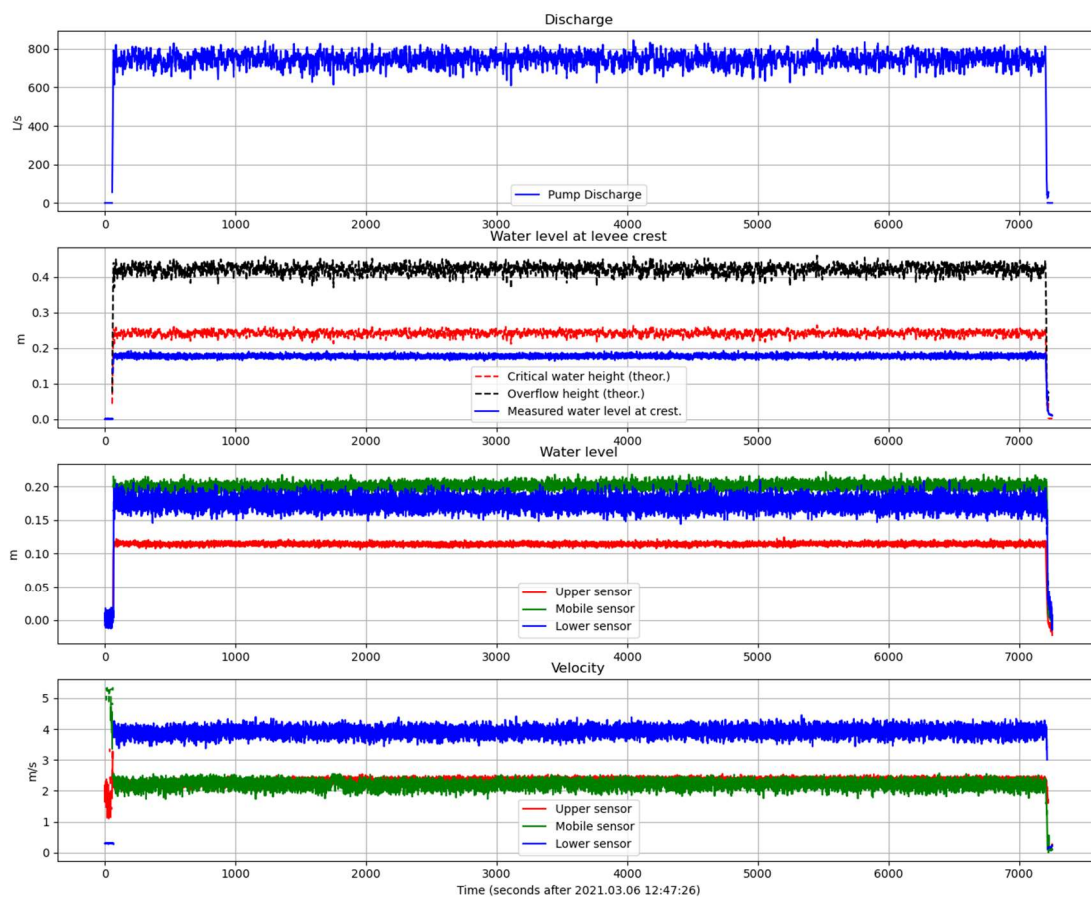
B_OF9_Q750_B02_LF_1171



I.2 B-OF09: Block 03

Start – stop	06/03/2021 13:48				
Stop	06/03/2021 15:48				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=189 to 7132 sec (n=69427).				
series	Min	max	mean	std	Unit
DISCHARGE	609	851	746	31	l/s
WH_CREST	0,163	0,194	0,177	0,004	m
WH_UPPER	0,106	0,125	0,114	0,002	m
WH_MOBILE	0,186	0,221	0,201	0,004	m
WH_LOWER	0,144	0,209	0,176	0,008	m
VXY_UPPER	2,02	2,55	2,34	0,07	m/s
VXY_MOBILE	1,73	2,57	2,22	0,12	m/s
VXY_LOWER	3,37	4,45	3,92	0,13	m/s

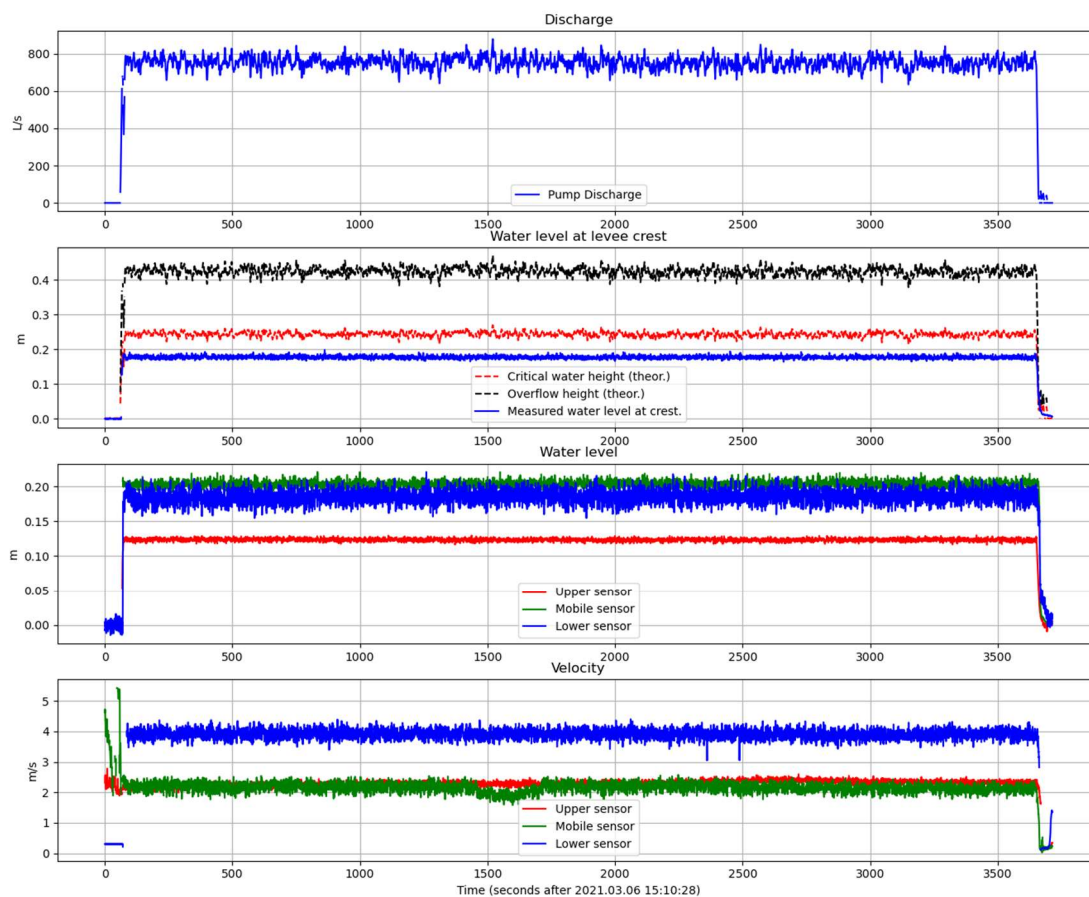
B_OF9_Q750_B03_LF_1173



I.3 B-OF09: Block 04

Start – stop	06/03/2021 16:11				
Stop	06/03/2021 17:11				
Duration	60 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=86 to 3612 sec (n=35266).				
series	Min	max	mean	std	Unit
DISCHARGE	635	878	753	31	l/s
WH_CREST	0,164	0,199	0,177	0,004	m
WH_UPPER	0,116	0,130	0,123	0,002	m
WH_MOBILE	0,188	0,221	0,203	0,004	m
WH_LOWER	0,155	0,221	0,185	0,008	m
VXY_UPPER	1,99	2,59	2,29	0,08	m/s
VXY_MOBILE	1,58	2,57	2,15	0,14	m/s
VXY_LOWER	3,04	4,40	3,91	0,13	m/s

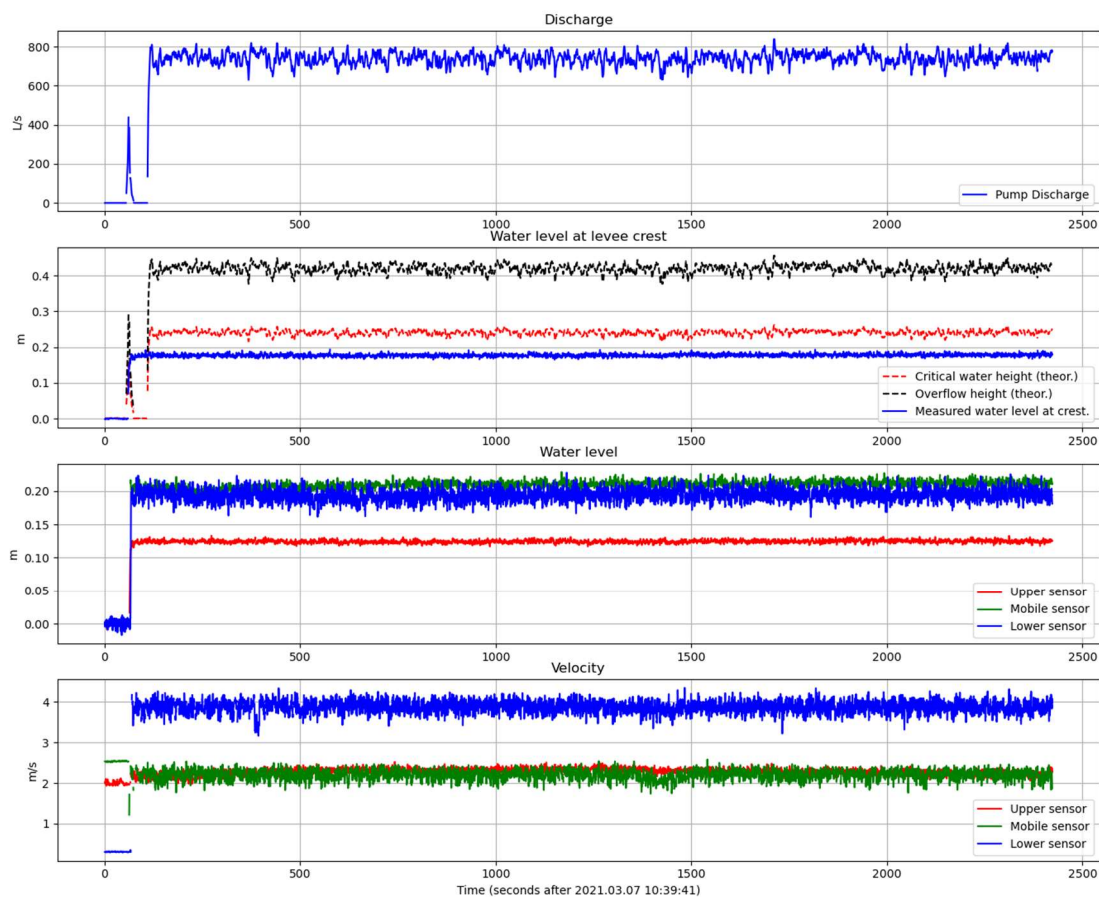
B_OF9_Q750_B04_LF_1175



I.4 B-OF09: Block 05

Start – stop	07/03/2021 11:40					
Stop	07/03/2021 12:22					
Duration	42 minutes					
Pump	Hidrostal I16K-HD					
Discharge	750 l/s					
Notes	Note that the file for Block 01 was corrupt (2 hours at 750L/s)					
Statistics	Calculated from t=172 to 2401 sec (n=22297).					
	series	Min	max	mean	std	Unit
	DISCHARGE	629	839	739	30	l/s
	WH_CREST	0,165	0,193	0,177	0,004	m
	WH_UPPER	0,117	0,133	0,124	0,002	m
	WH_MOBILE	0,190	0,229	0,210	0,005	m
	WH_LOWER	0,161	0,228	0,194	0,009	m
	VXY_UPPER	1,98	2,52	2,28	0,07	m/s
	VXY_MOBILE	1,74	2,58	2,20	0,12	m/s
	VXY_LOWER	3.16	4.35	3.87	0.14	m/s

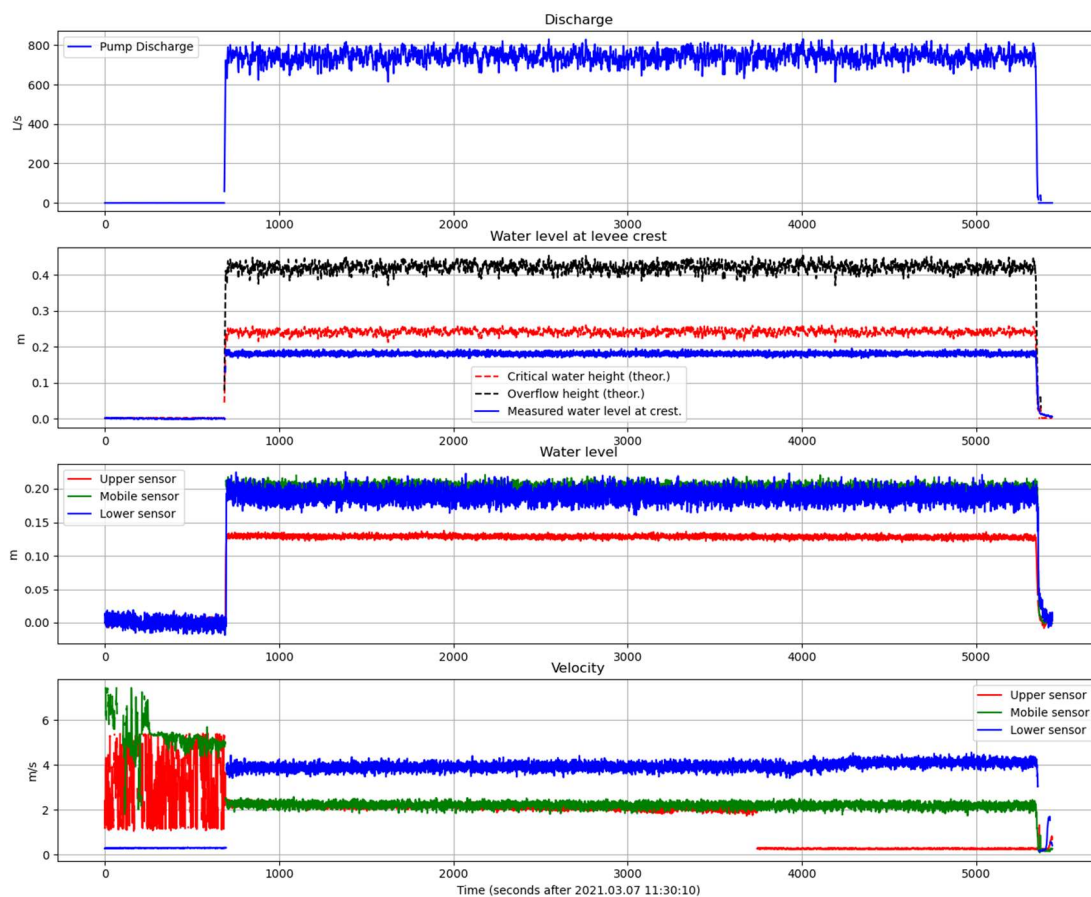
B_OF9_Q750_B05_LF_1179



I.5 B-OF09: Block 06

Start – stop	07/03/2021 12:41				
Stop	07/03/2021 13:59				
Duration	78 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=748 to 5305 sec (n=45568).				
series	Min	max	mean	std	Unit
DISCHARGE	0,168	0,195	0,180	0,004	l/s
WH_CRESC	0,120	0,138	0,129	0,002	m
WH_UPPER	0,161	0,225	0,190	0,008	m
WH_MOBILE	0,187	0,221	0,202	0,004	m
WH_LOWER	613	831	742	31	m
VXY_UPPER	0,24	2,49	1,48	0,89	m/s
VXY_MOBILE	1,73	2,57	2,21	0,11	m/s
VXY_LOWER	3,41	4,55	3,96	0,15	m/s

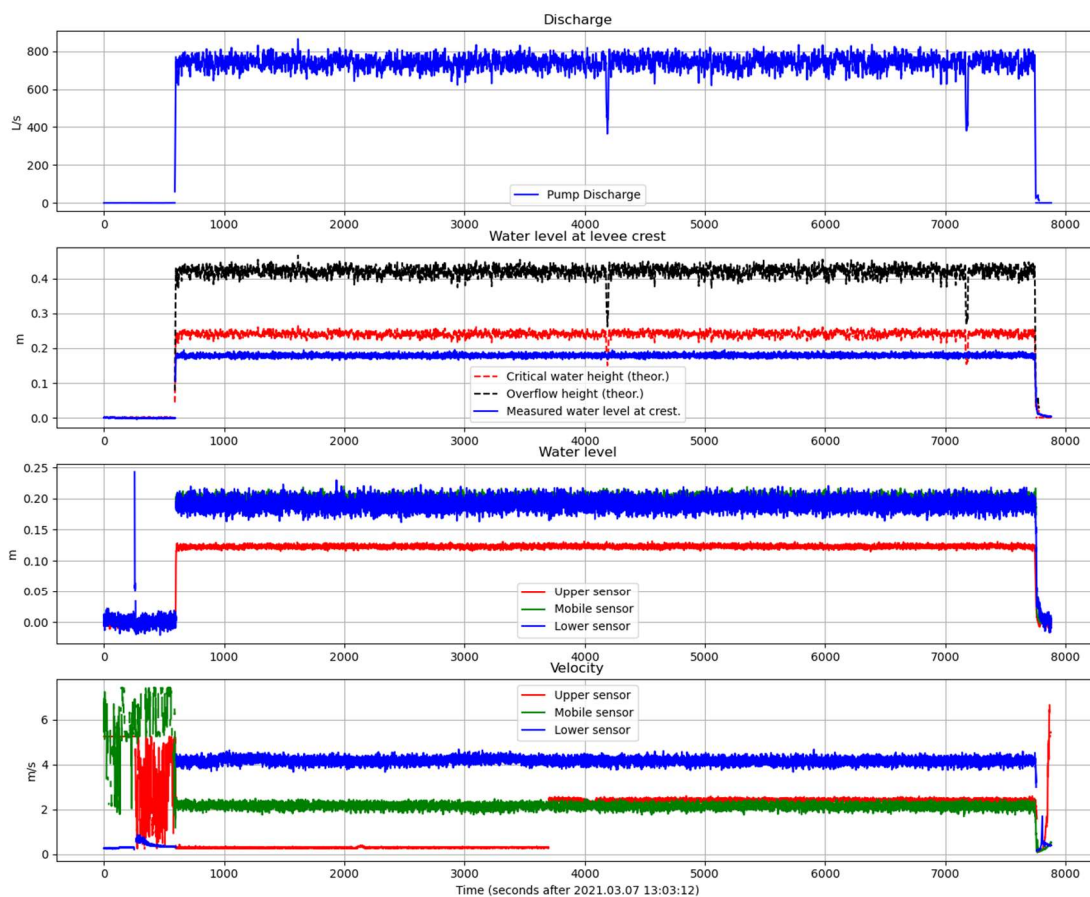
B_OF9_Q750_B06_LF_1181



I.6 B-OF09: Block 07

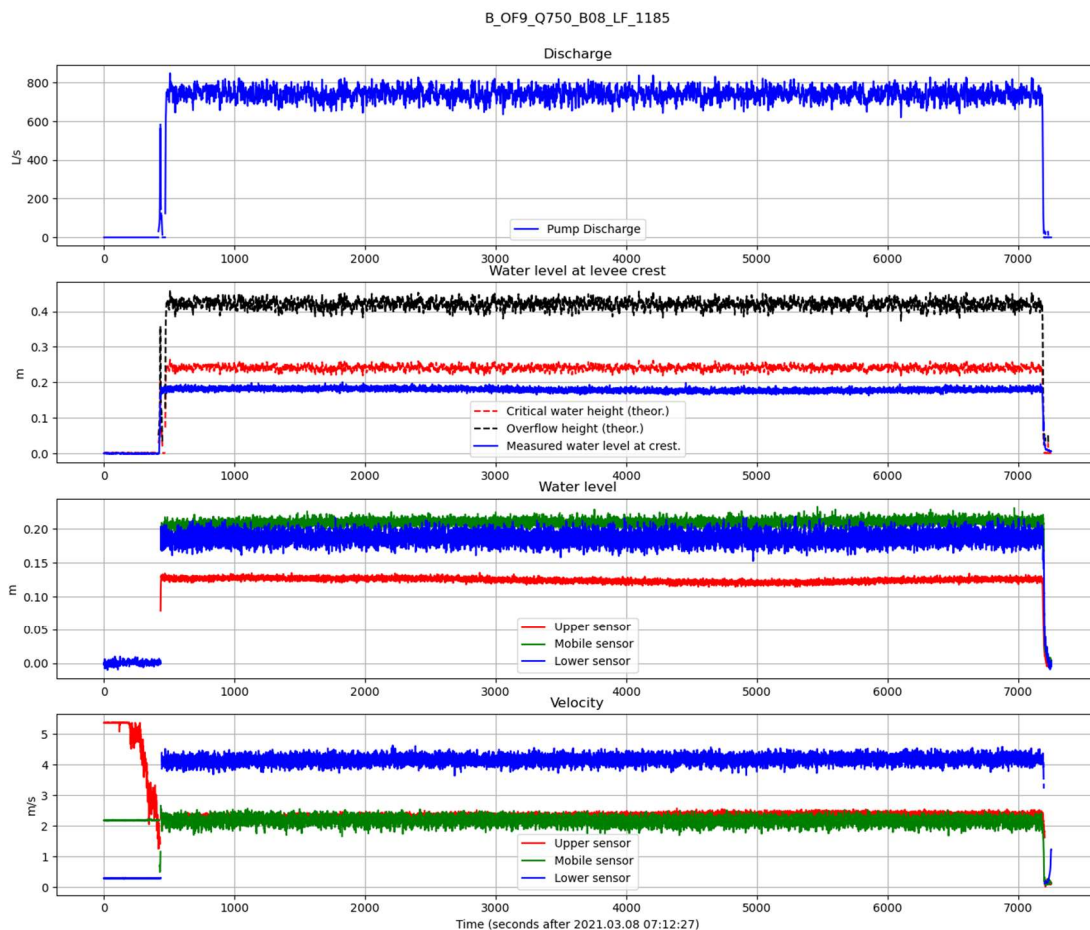
Start – stop	07/03/2021 14:12				
Stop	07/03/2021 16:12				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=740 to 7683 sec (n=69423).				
series	Min	Max	mean	std	Unit
DISCHARGE	365	865	741	38	l/s
WH_CREST	0,166	0,195	0,179	0,004	m
WH_UPPER	0,115	0,131	0,123	0,002	m
WH_MOBILE	0,184	0,219	0,201	0,004	m
WH_LOWER	0,162	0,229	0,192	0,008	m
VXY_UPPER	0,24	2,59	1,49	1,05	m/s
VXY_MOBILE	1,68	2,48	2,15	0,11	m/s
VXY_LOWER	3,67	4,68	4,17	0,12	m/s

B_OF9_Q750_B06_LF_1181



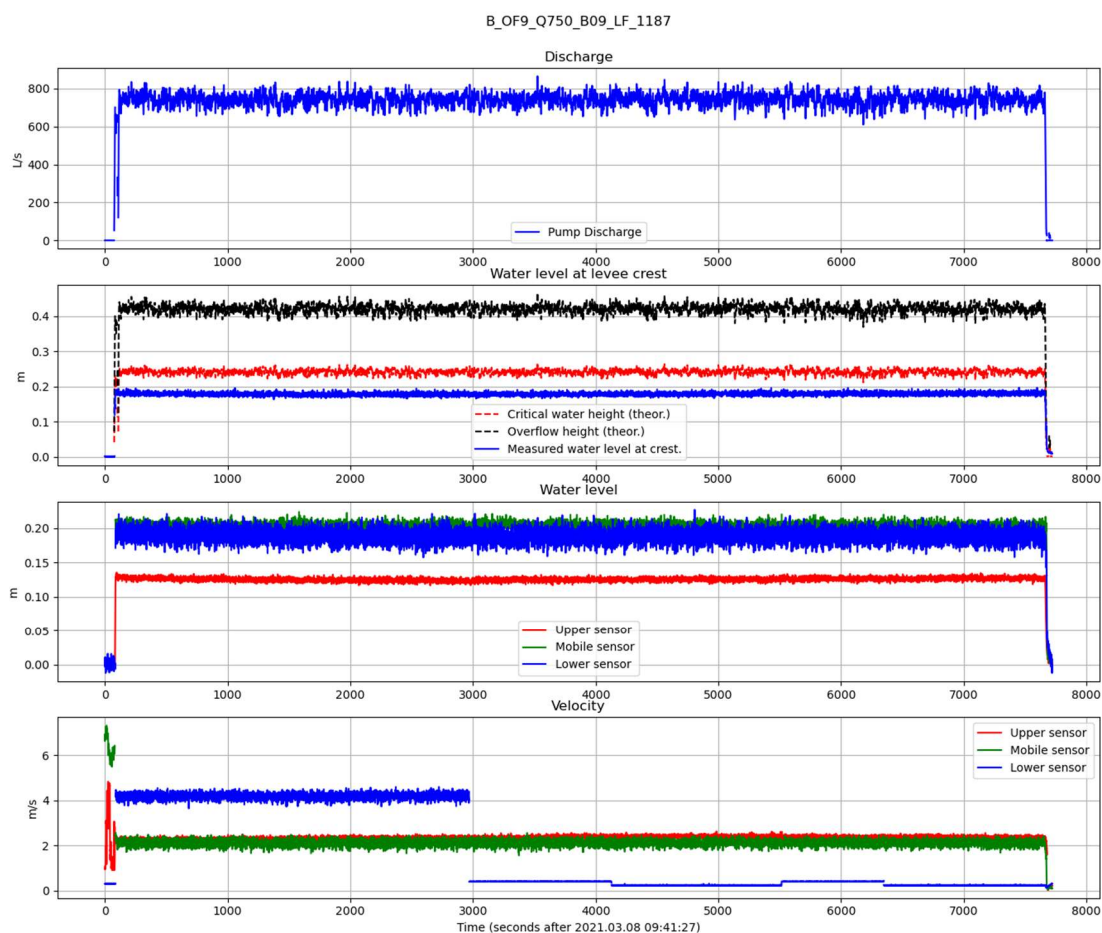
I.7 B-OF09: Block 08

Start – stop	08/03/2021 8:13				
Stop	08/03/2021 10:13				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=542 to 7145 sec (n=66035).				
series	Min	max	mean	std	Unit
DISCHARGE	621	838	742	30	l/s
WH_CREST	0,163	0,201	0,179	0,005	m
WH_UPPER	0,114	0,135	0,124	0,003	m
WH_MOBILE	0,190	0,233	0,210	0,004	m
WH_LOWER	0,152	0,219	0,187	0,008	m
VXY_UPPER	2,04	2,57	2,33	0,07	m/s
VXY_MOBILE	1,66	2,57	2,17	0,12	m/s
VXY_LOWER	3,64	4,63	4,17	0,12	m/s



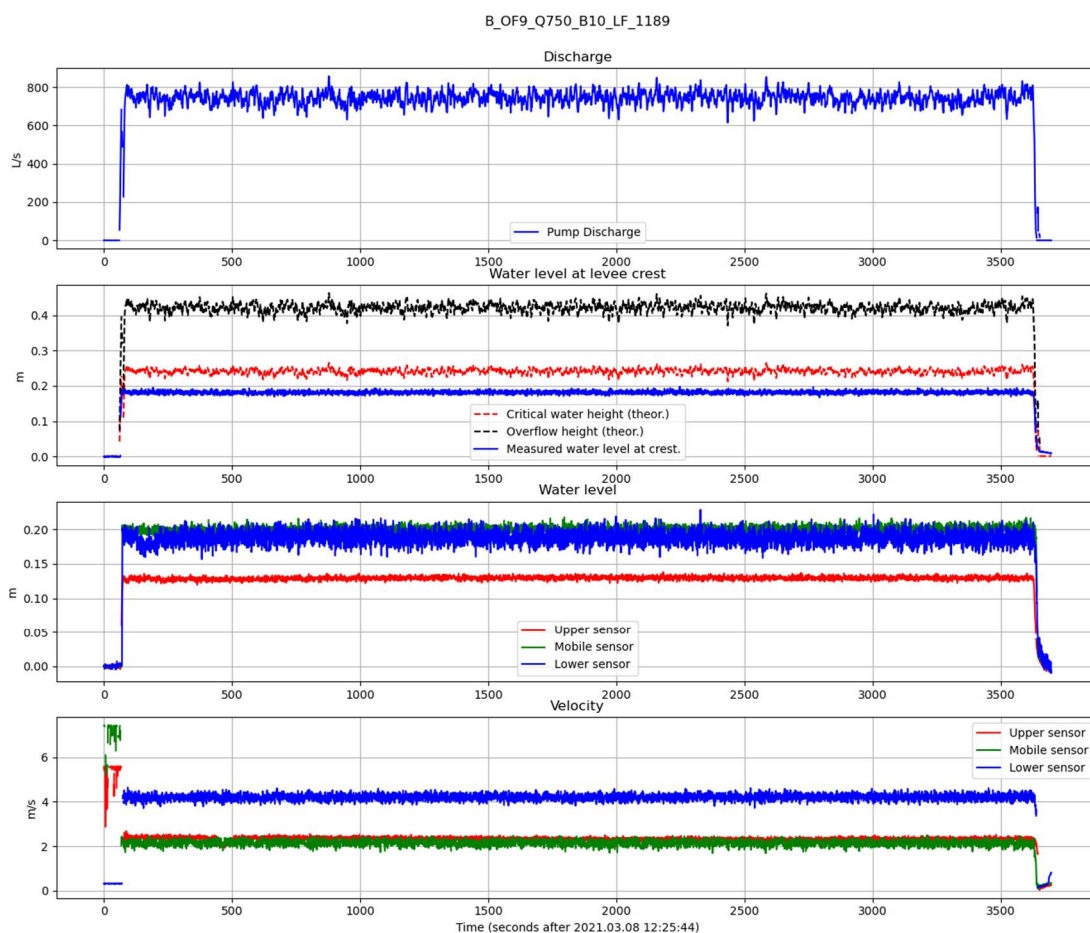
I.8 B-OF09: Block 09

Start – stop	08/03/2021 10:42				
Stop	08/03/2021 12:49				
Duration	127 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=194 to 7614 sec (n=74206).				
series	Min	max	mean	std	Unit
DISCHARGE	610	865	742	31	l/s
WH_CREST	0,163	0,197	0,179	0,004	m
WH_UPPER	0,116	0,135	0,125	0,002	m
WH_MOBILE	0,186	0,224	0,203	0,004	m
WH_LOWER	0,157	0,227	0,188	0,008	m
VXY_UPPER	2,01	2,61	2,34	0,07	m/s
VXY_MOBILE	1,55	2,55	2,11	0,12	m/s
VXY_LOWER	0,21	4,59	1,68	1,86	m/s



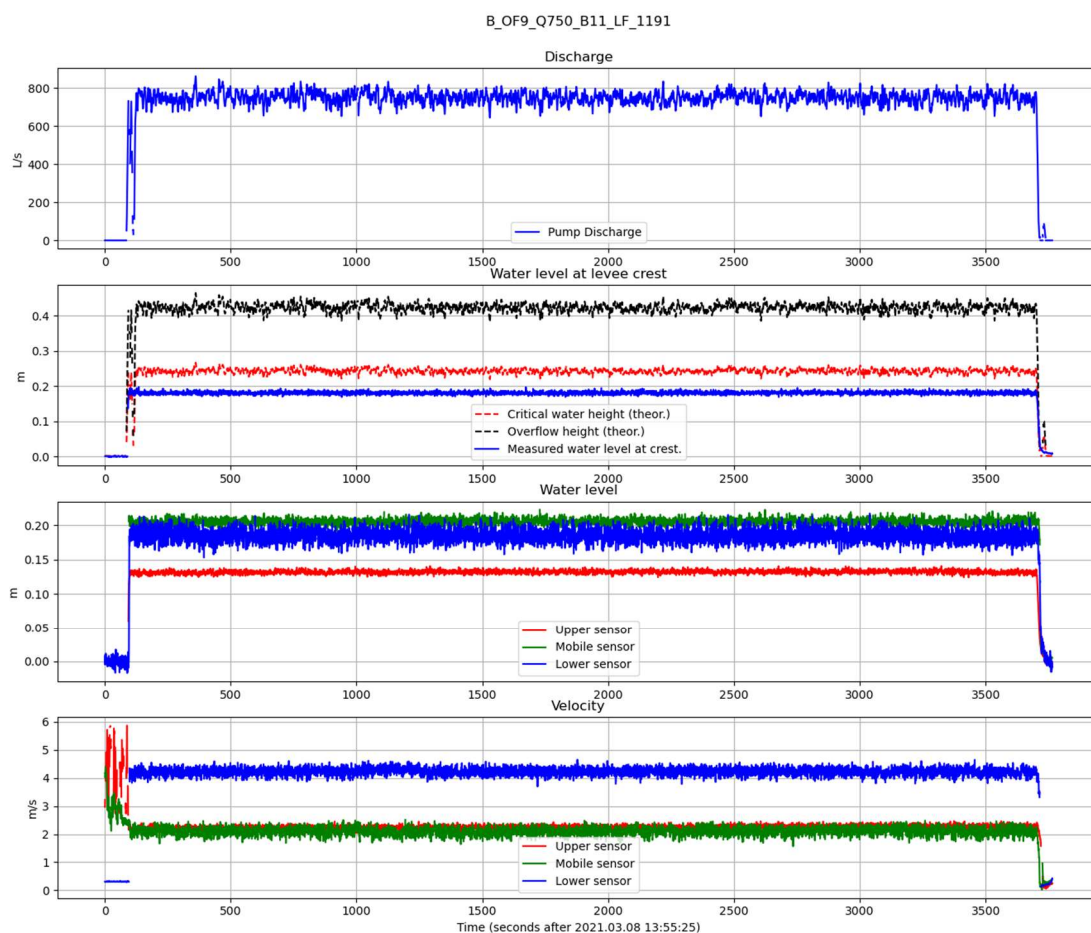
I.9 B-OF09: Block 10

Start – stop	08/03/2021 13:26				
Stop	08/03/2021 14:26				
Duration	120 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=89 to 3611 sec (n=35220).				
series	Min	max	mean	std	Unit
DISCHARGE	614	857	743	32	l/s
WH_CRESC	0,167	0,198	0,182	0,004	m
WH_UPPER	0,120	0,138	0,129	0,002	m
WH_MOBILE	0,186	0,217	0,200	0,004	m
WH_LOWER	0,157	0,229	0,188	0,008	m
VXY_UPPER	1,92	2,56	2,33	0,07	m/s
VXY_MOBILE	1,68	2,48	2,15	0,12	m/s
VXY_LOWER	3,71	4,65	4,21	0,12	m/s



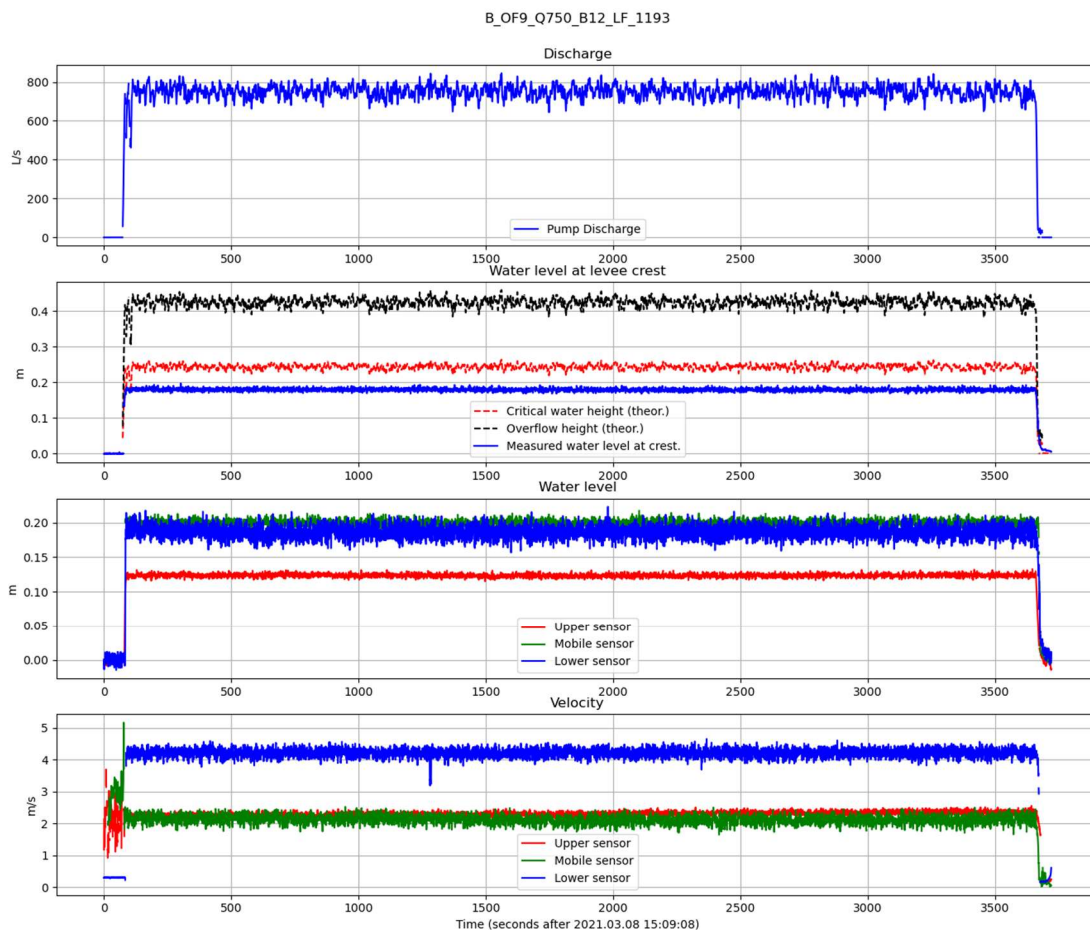
I.10 B-OF09: Block 11

Start – stop	08/03/2021 14:56				
Stop	08/03/2021 15:57				
Duration	61 minutes				
Pump	Hidrostal I16K-HD				
Discharge	750 l/s				
Notes					
Statistics	Calculated from t=155 to 3670 sec (n=35146).				
series	Min	max	mean	std	Unit
DISCHARGE	644	862	749	30	l/s
WH_CREST	0,169	0,197	0,181	0,004	m
WH_UPPER	0,124	0,141	0,132	0,002	m
WH_MOBILE	0,191	0,223	0,205	0,004	m
WH_LOWER	0,153	0,217	0,185	0,008	m
VXY_UPPER	2,01	2,47	2,25	0,06	m/s
VXY_MOBILE	1,56	2,51	2,10	0,13	m/s
VXY_LOWER	3,69	4,65	4,23	0,12	m/s



I.11 B-OF09: Block 12

Start – stop	08/03/2021 16:10					
Stop	08/03/2021 17:10					
Duration	60 minutes					
Pump	Hidrostal I16K-HD					
Discharge	750 l/s					
Notes						
Statistics	Calculated from t=499 to 7477 sec (n=69779).					
	series	Min	max	mean	std	Unit
	DISCHARGE	643	845	751	31	l/s
	WH_CREST	0,167	0,197	0,179	0,004	m
	WH_UPPER	0,115	0,132	0,123	0,002	m
	WH_MOBILE	0,186	0,217	0,199	0,004	m
	WH_LOWER	0,157	0,223	0,186	0,008	m
	VXY_UPPER	2,03	2,51	2,29	0,07	m/s
	VXY_MOBILE	1,65	2,52	2,12	0,12	m/s
	VXY_LOWER	3,19	4,65	4,21	0,12	m/s



Annex J - B-OF10 High Discharge

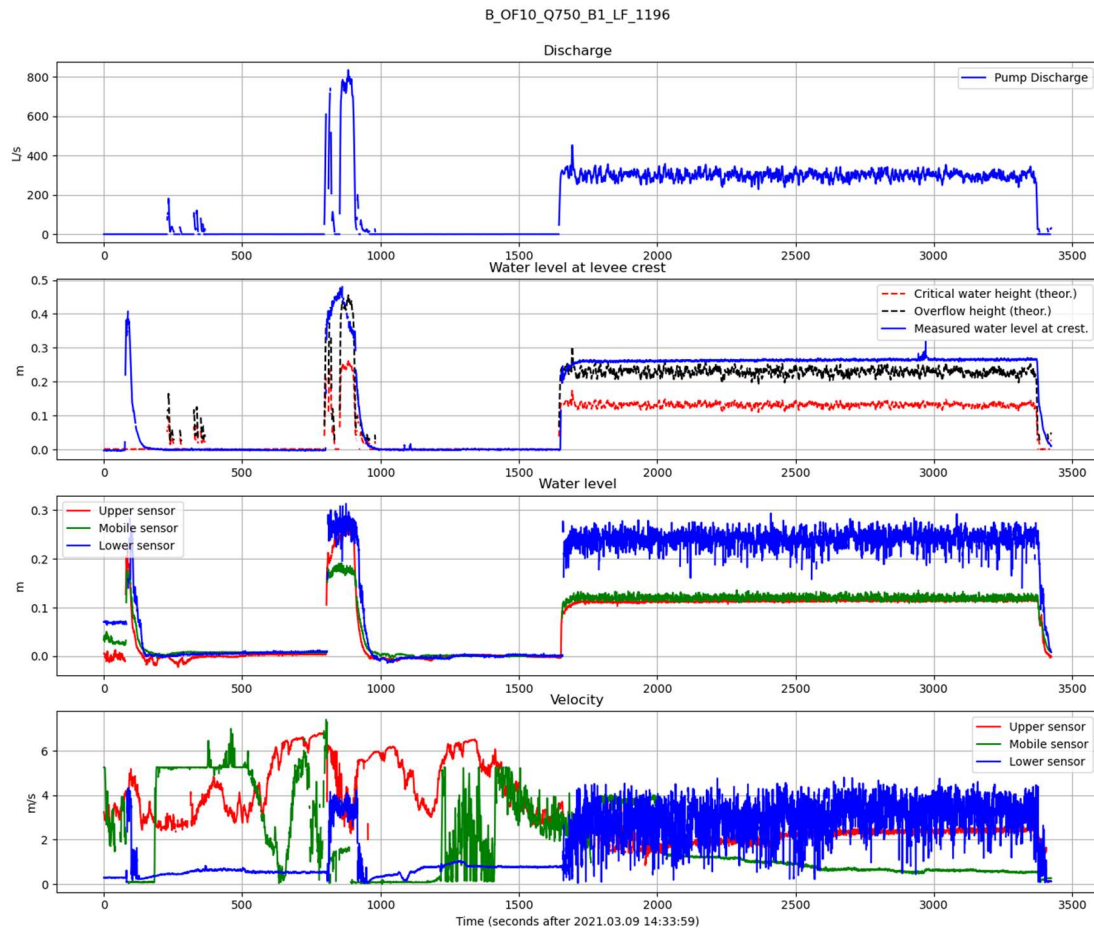
The following timeseries details are reproduced in this section:

J.1 B-OF10: Block 1	136
J.2 B-OF10: Block 2	137
J.3 B-OF10: Block 3	138
J.4 B-OF10: Block 5	139
J.5 B-OF10: Block 6	140
J.6 B-OF10: Block 7	141
J.7 B-OF10: Block 8	142
J.8 B-OF10: Block 11	143

Some files contained corrupt or very low quality data and have not been included in this overview.

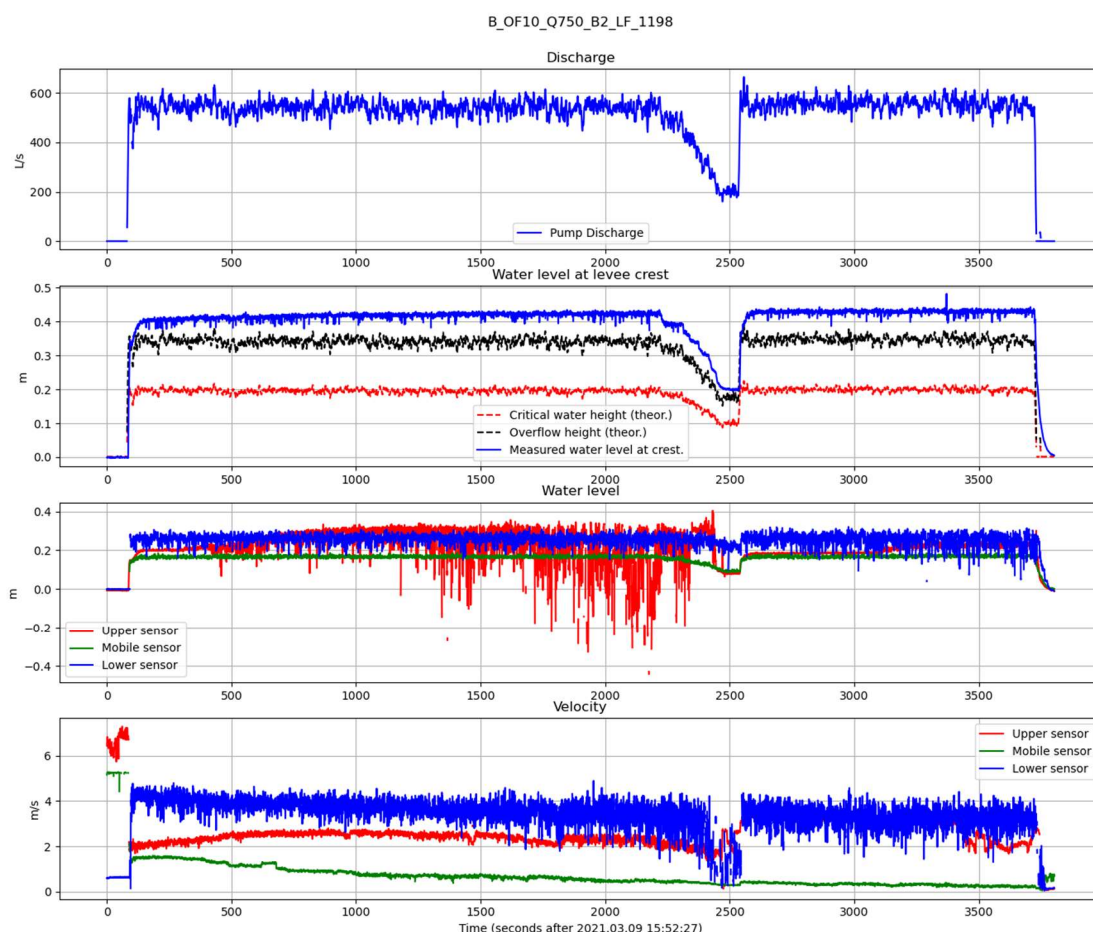
J.1 B-OF10: Block 1

Start – stop	09/03/21 15:36				
Stop	09/03/21 16:30				
Duration	54 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	300 L/s				
Notes	- Several interruptions in pumping. - Manual crest water height measurement: 27 cm				
Statistics	Calculated from t=1713 to 3320 sec (n=16067).				
series	Min	max	mean	std	Unit
DISCHARGE	228	358	299	21	L/s
WH_CREST	0.259	0.322	0.266	0.003	m
WH_UPPER	0.104	0.124	0.115	0.002	m
WH_MOBILE	0.103	0.130	0.114	0.004	m
WH_LOWER	0.136	0.288	0.236	0.015	m
VXY_UPPER	0.85	3.78	2.18	0.28	m/s
VXY_MOBILE	0.46	4.03	1.29	1.08	m/s
VXY_LOWER	0.10	4.80	3.01	0.74	m/s



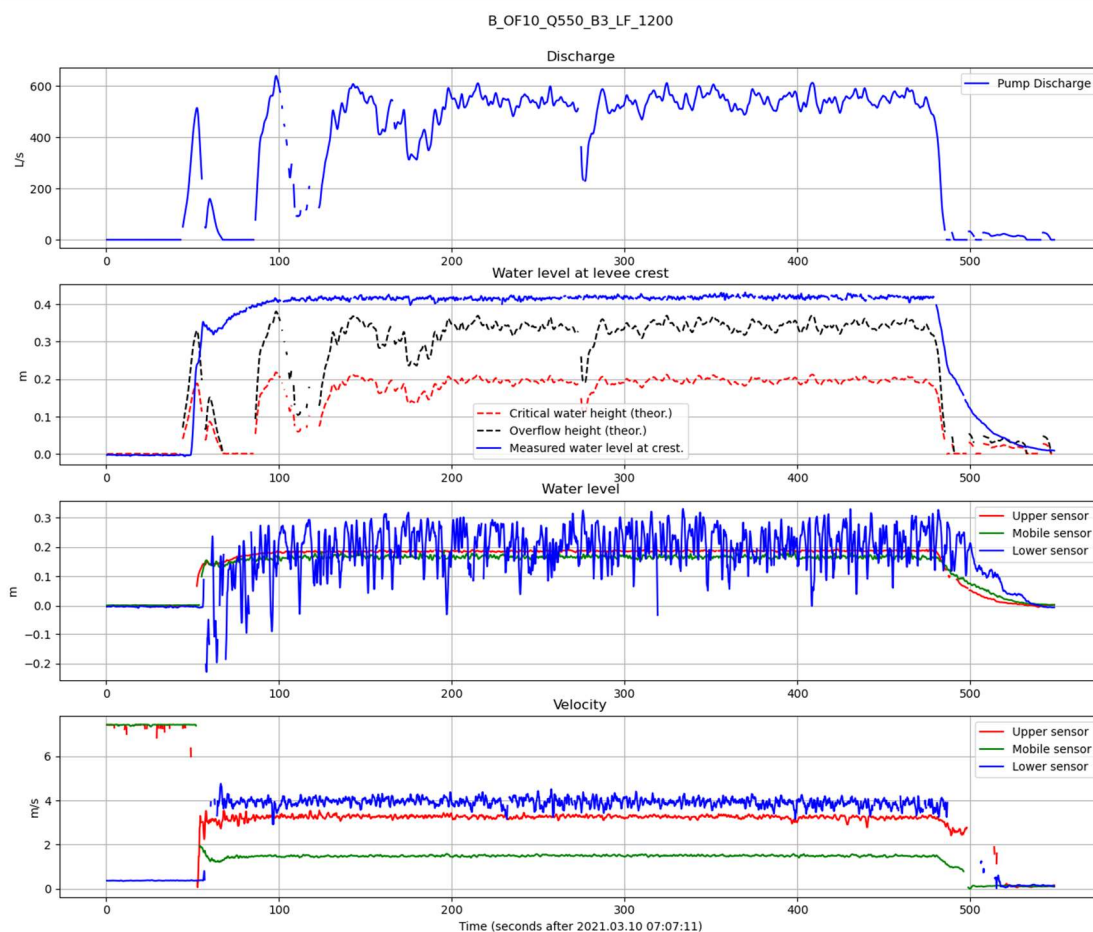
J.2 B-OF10: Block 2

Start – stop	09/03/21 16:53				
Stop	09/03/21 17:54				
Duration	1 hour 1 minute				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	540 L/s				
Notes	Manual crest water height measurement: 46 cm				
Statistics	Calculated from t=188 to 2177 sec (n=19888).				
series	Min	max	mean	std	Unit
DISCHARGE	442	633	541	27	m³/s
WH_CREST	0.377	0.434	0.417	0.007	m
WH_UPPER	-0.435	0.363	0.249	0.080	m
WH_MOBILE	0.154	0.190	0.168	0.005	m
WH_LOWER	0.152	0.318	0.261	0.020	m
VXY_UPPER	1.87	2.92	2.41	0.17	m/s
VXY_MOBILE	0.38	1.59	0.84	0.31	m/s
VXY_LOWER	1.79	4.89	3.70	0.38	m/s



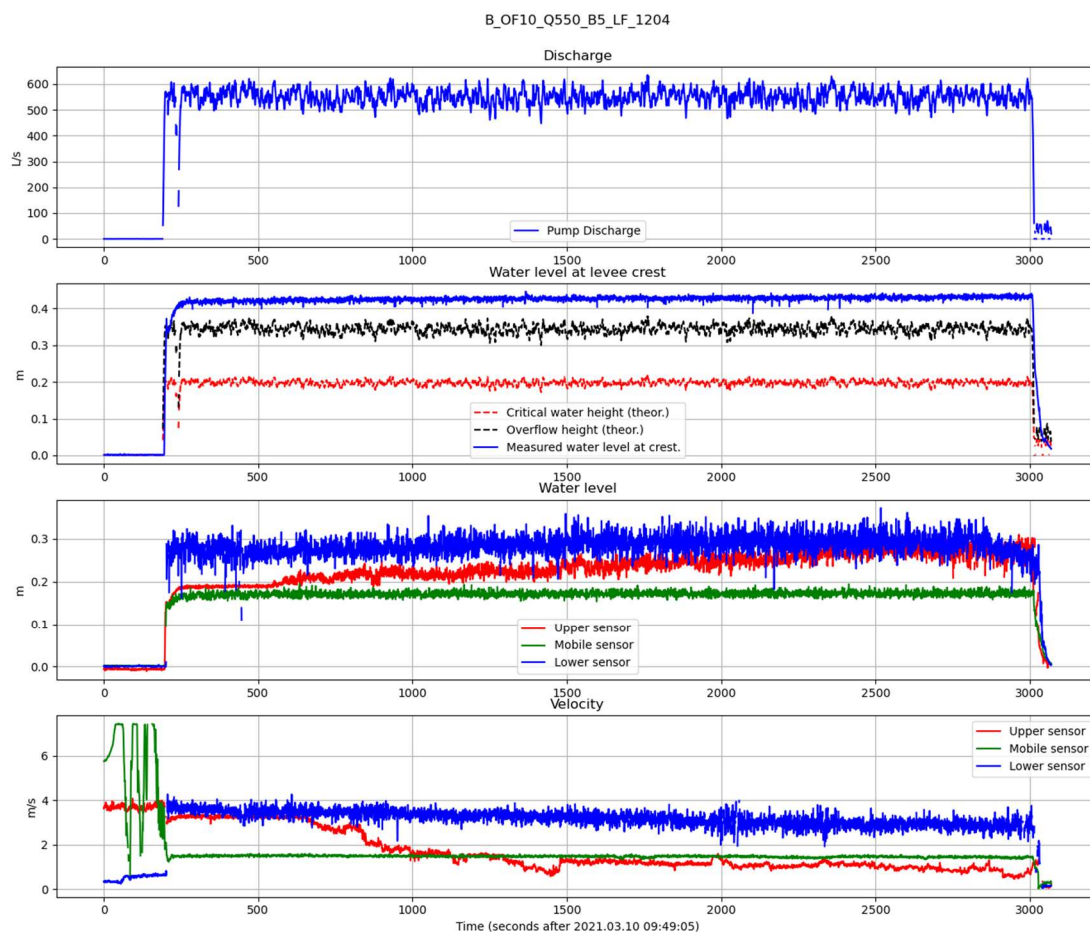
J.3 B-OF10: Block 3

Start – stop	10/03/21 8:06
Stop	10/03/21 8:16
Duration	10 min
Pump	Twin parallel Hidrosta F10K-HD
Discharge	550 L/s (nominal)
Notes	-
Statistics	No statistics calculated
series	MinmaxmeanstdUnit
DISCHARGE	m³/s
WH_CREST	m
WH_UPPER	m
WH_MOBILE	m
WH_LOWER	m
VXY_UPPER	m/s
VXY_MOBILE	m/s
VXY_LOWER	m/s



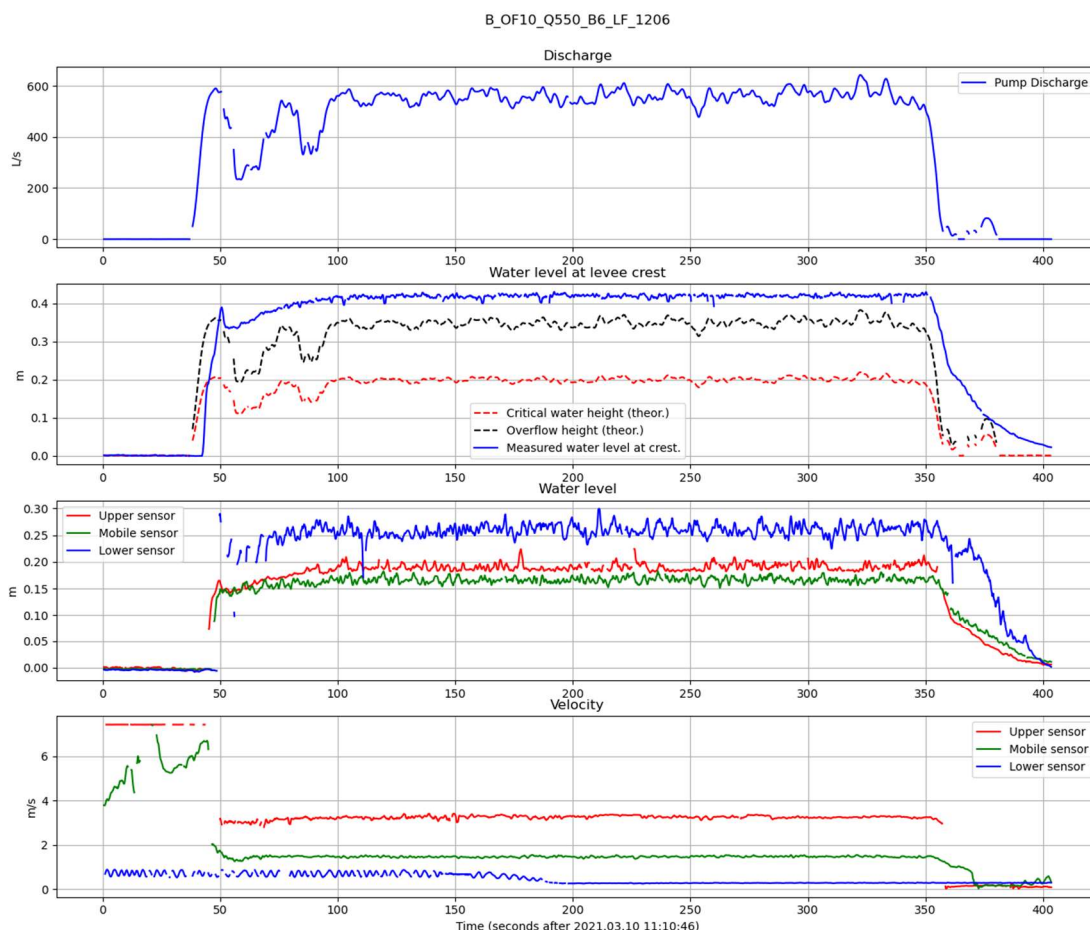
J.4 B-OF10: Block 5

Start – stop	10/03/21 10:49				
Stop	10/03/21 11:40				
Duration	51 minutes				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	540 L/s				
Notes	Note : datafile of Block 4 missing. (1:54 of data)				
Statistics	Calculated from t=300 to 465 sec (n=1645).				
series	Min	max	mean	std	Unit
DISCHARGE	469	612	548	28	m³/s
WH_CREST	0.408	0.435	0.422	0.004	m
WH_UPPER	0.183	0.193	0.188	0.002	m
WH_MOBILE	0.153	0.183	0.165	0.005	m
WH_LOWER	-0.029	0.333	0.214	0.058	m
VXY_UPPER	2.78	3.39	3.24	0.07	m/s
VXY_MOBILE	1.41	1.58	1.50	0.03	m/s
VXY_LOWER	3.14	4.41	3.89	0.17	m/s



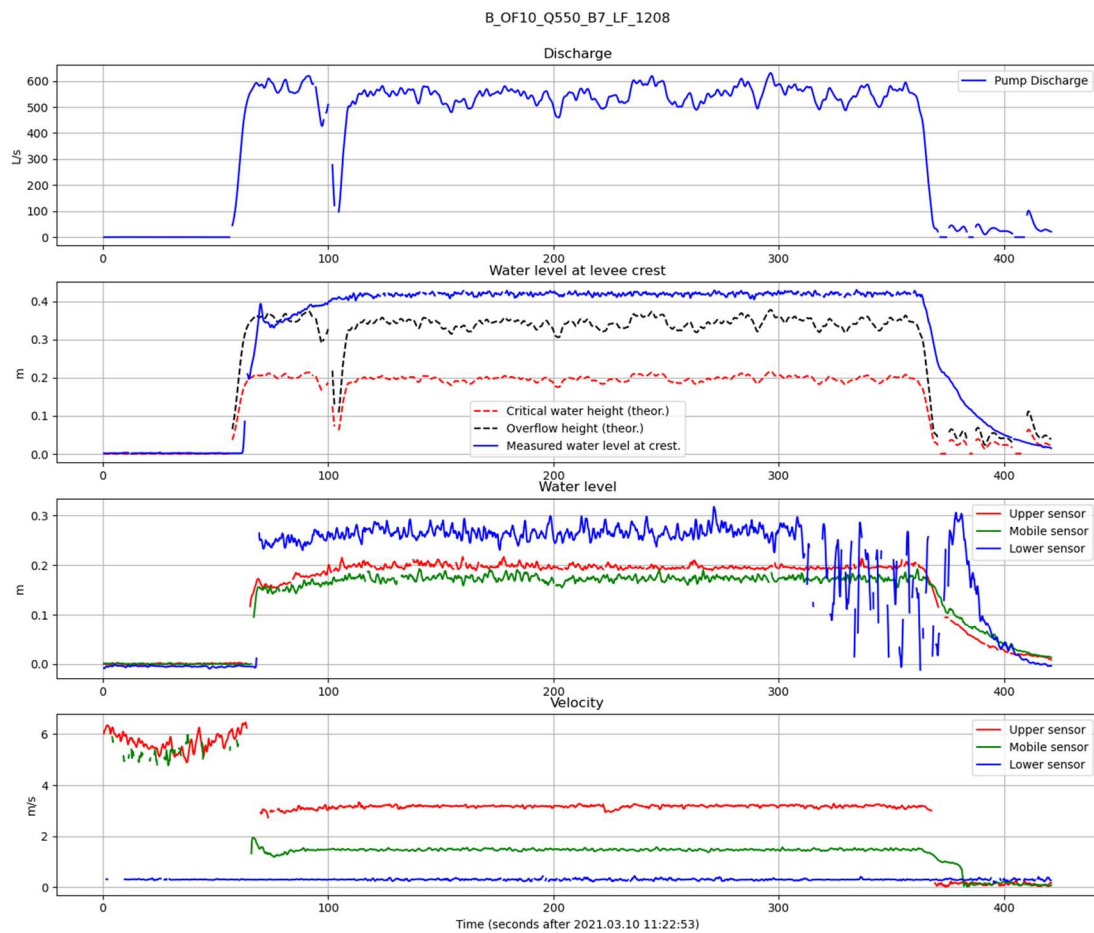
J.5 B-OF10: Block 6

Start - stop	10/03/21 12:10
Stop	10/03/21 12:17
Duration	7 min
Pump	Twin parallel Hidrosta F10K-HD
Discharge	540 L/s
Notes	-
Statistics	No statistics calculated
series	MinmaxmeanstdUnit
DISCHARGE	m ³ /s
WH_CREST	m
WH_UPPER	m
WH_MOBILE	m
WH_LOWER	m
VXY_UPPER	m/s
VXY_MOBILE	m/s
VXY_LOWER	m/s



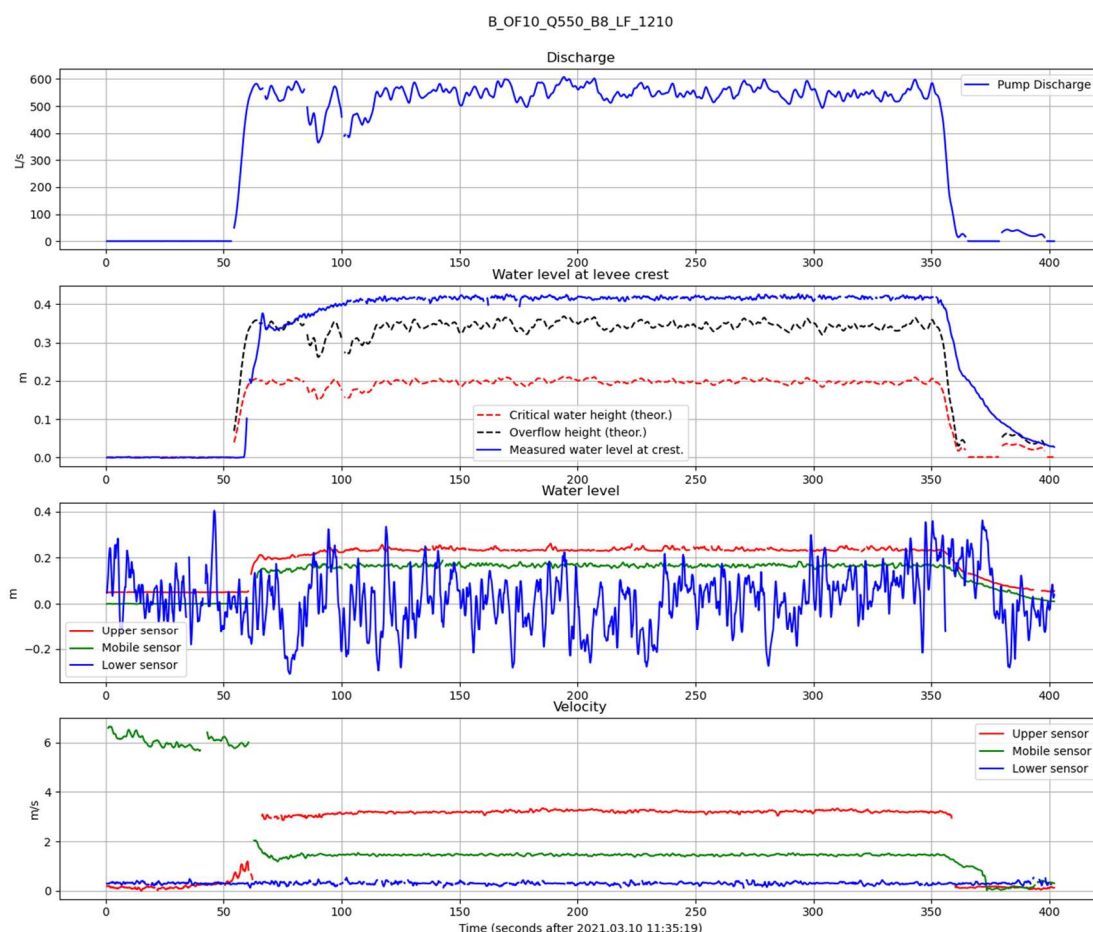
J.6 B-OF10: Block 7

Start – stop	10/03/21 12:23
Stop	10/03/21 12:29
Duration	6 min
Pump	Twin parallel Hidrosta F10K-HD
Discharge	540 L/s
Notes	-
Statistics	No statistics calculated
series	MinmaxmeanstdUnit
DISCHARGE	m³/s
WH_CREST	m
WH_UPPER	m
WH_MOBILE	m
WH_LOWER	m
VXY_UPPER	m/s
VXY_MOBILE	m/s
VXY_LOWER	m/s



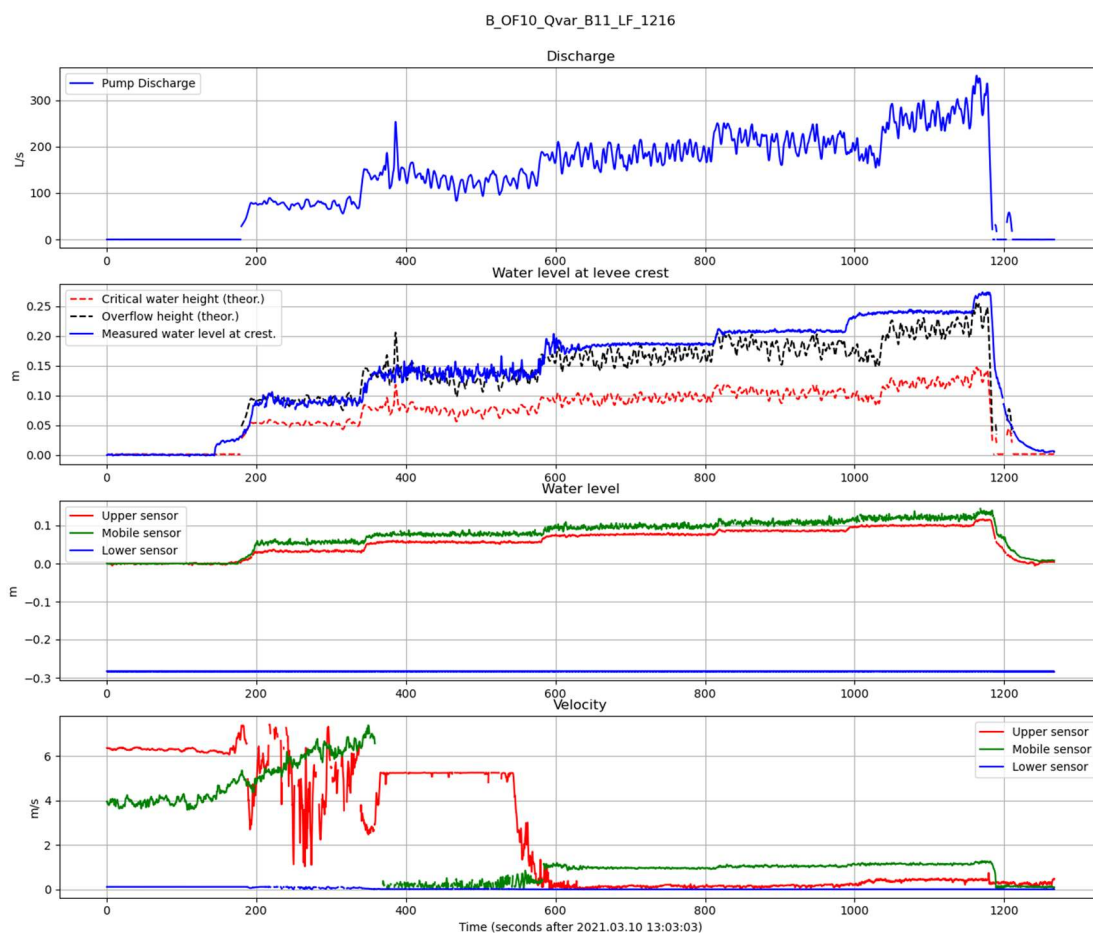
J.7 B-OF10: Block 8

Start – stop	10/03/21 12:35
Stop	10/03/21 12:42
Duration	7 min
Pump	Twin parallel Hidrosta F10K-HD
Discharge	540 L/s
Notes	- B09 and B10 exist, but no visualization is made (short blocks).
Statistics	No statistics calculated
series	MinmaxmeanstdUnit
DISCHARGE	m³/s
WH_CREST	m
WH_UPPER	m
WH_MOBILE	m
WH_LOWER	m
VXY_UPPER	m/s
VXY_MOBILE	m/s
VXY_LOWER	m/s



J.8 B-OF10: Block 11

Start – stop	10/03/21 14:03				
Stop	10/03/21 14:23				
Duration	20 min				
Pump	Twin parallel Hidrosta F10K-HD				
Discharge	Variable discharge (80 – 260 L/s)				
Notes	Start: 80 L/s; 14:08 -> 130 L/s; 14:13 -> 180 L/s; 14:16 -> 220 L/s; 14:19 -> 260 L/s				
Statistics	No statistics calculated.				
series	Min max mean std Unit				
DISCHARGE					m³/s
WH_CREST					m
WH_UPPER					m
WH_MOBILE					m
WH_LOWER					m
VXY_UPPER					m/s
VXY_MOBILE					m/s
VXY_LOWER					m/s



Annex K - B-OF11 Tree

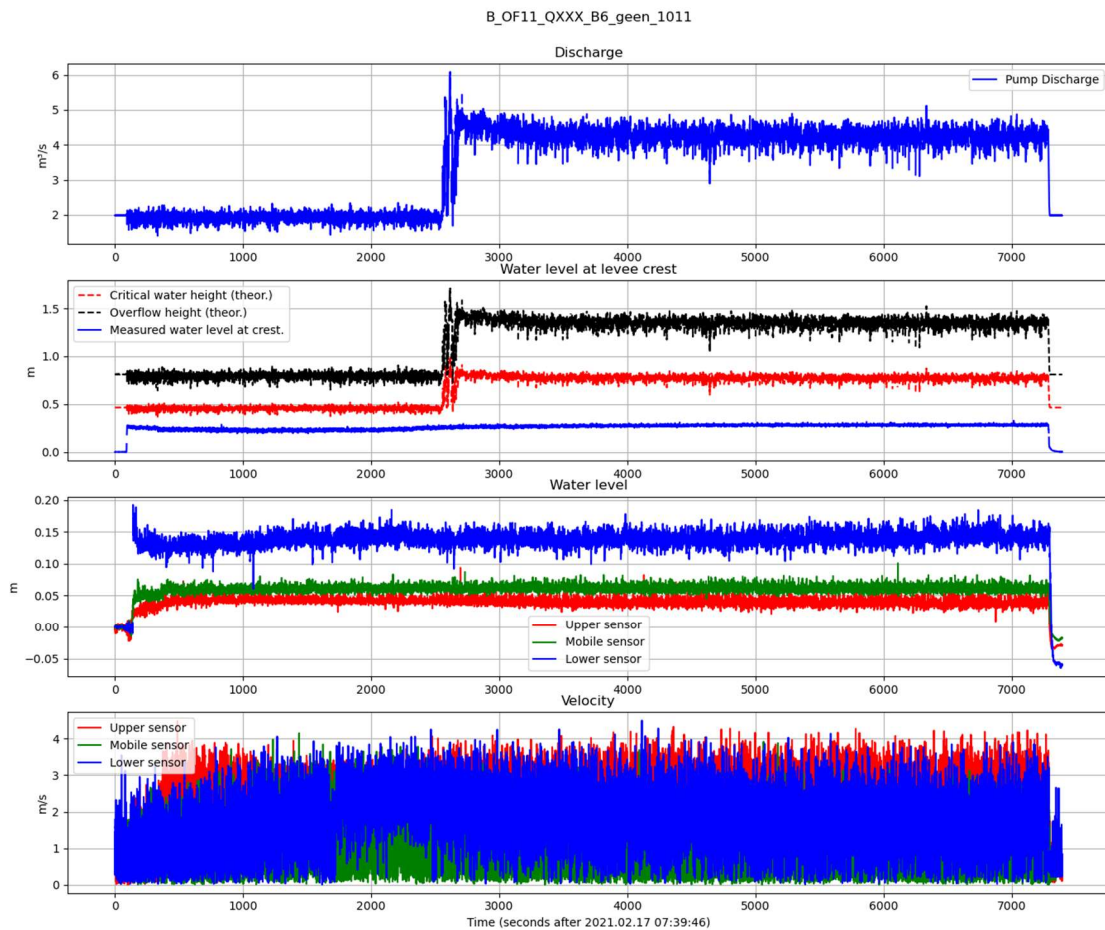
The following timeseries details are reproduced in this section:

K.1 B-OF11: Block 6	145
K.2 B-OF11: Block 7	146
K.3 B-OF11: Block 8	147
K.4 B-OF11: Block 9	148
K.5 B-OF11: Block 10	149
K.6 B-OF11: Block 11	150
K.7 B-OF11: Block 12	151
K.8 B-OF11: Block 13	152
K.9 B-OF11: Block 14	153
K.10 B-OF11: Block 15	154

K.1 B-OF11: Block 6

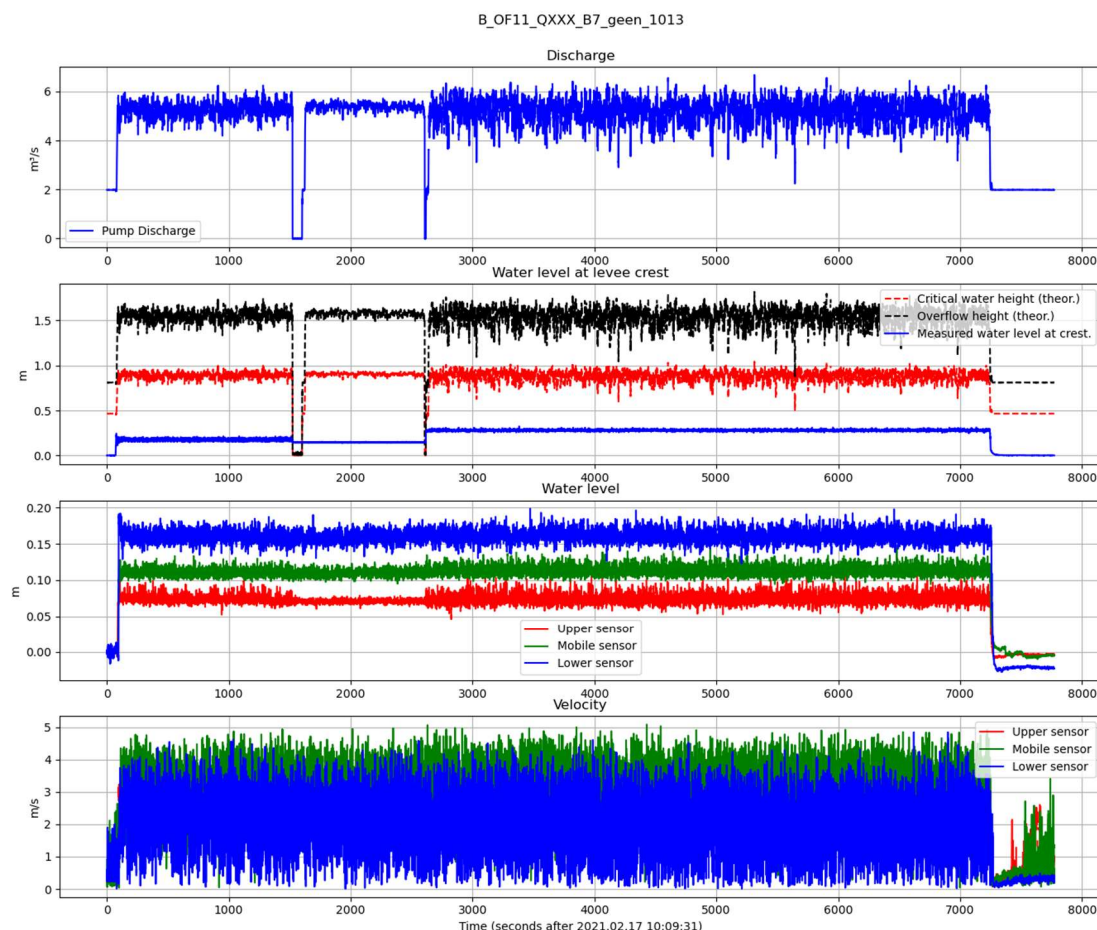
Start	17/02/2021 8:41
Stop	17/02/2021 10:41
Duration	2 hours
Pump	Eekels setup
Discharge	270 L/s
Notes	- Manually measured Hcrest = 10.3 cm
Statistics	Calculated from 36 to 7247 seconds (n=72112).

series	Min	max	mean	std	Unit
DISCHARGE					m ³ /s
WH_CREST	-0.004	0.327	0.258	0.033	m
WH_UPPER	-0.022	0.094	0.039	0.007	m
WH_MOBILE	-0.015	0.101	0.060	0.009	m
WH_LOWER	-0.010	0.192	0.136	0.020	m
VXY_UPPER	0.01	4.48	2.64	0.57	m/s
VXY_MOBILE	0.00	4.15	1.15	0.62	m/s
VXY_LOWER	0.01	4.49	1.79	0.76	m/s



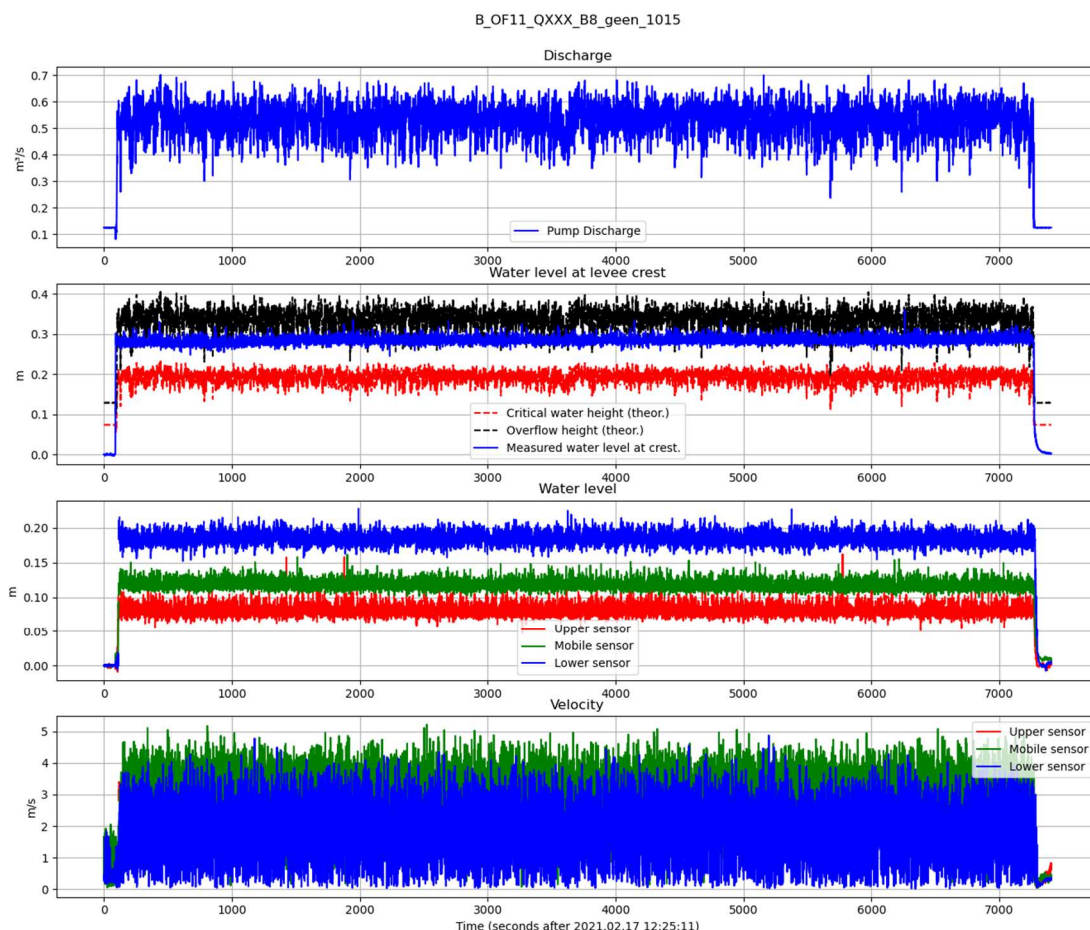
K.2 B-OF11: Block 7

Start	17/02/2021 11:10				
Stop	17/02/2021 13:10				
Duration	2 hours				
Pump	Eekels setup				
Discharge	370 L/s				
Notes	- Manually measured Hcrest 15.5 cm				
Statistics	Calculated from 140 to 7144 seconds (n=70041).				
series	Min	max	mean	std	Unit
DISCHARGE					m³/s
WH_CREST	0.137	0.323	0.233	0.058	m
WH_UPPER	0.046	0.121	0.073	0.006	m
WH_MOBILE	0.094	0.145	0.112	0.005	m
WH_LOWER	0.123	0.198	0.160	0.008	m
VXY_UPPER	2.36	3.46	2.83	0.12	m/s
VXY_MOBILE	0.05	5.08	3.19	0.66	m/s
VXY_LOWER	0.01	4.85	2.07	0.77	m/s



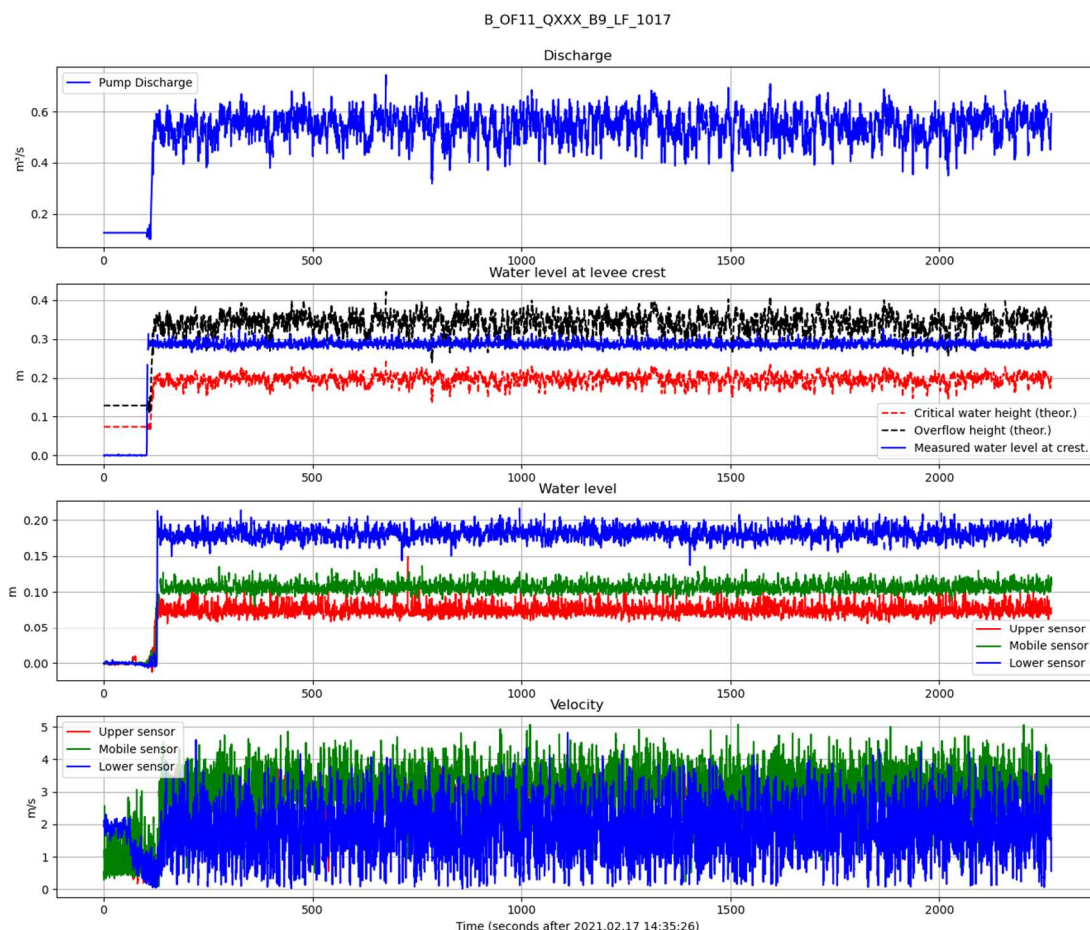
K.3 B-OF11: Block 8

Start	17/02/2021 13:26				
Stop	17/02/2021 15:26				
Duration	2 hours				
Pump	Eekels setup				
Discharge					
Notes	Manually measured Hcrest 14 to 16 cm				
Statistics	Calculated from 148 to 7243seconds (n=70944).				
series	Min	max	mean	std	Unit
DISCHARGE	0.237	0.701	0.532	0.056	m³/s
WH_CREST	0.245	0.360	0.284	0.008	m
WH_UPPER	0.047	0.162	0.080	0.007	m
WH_MOBILE	0.100	0.161	0.118	0.006	m
WH_LOWER	0.152	0.228	0.184	0.008	m
VXY_UPPER	2.49	3.75	3.00	0.12	m/s
VXY_MOBILE	0.07	5.22	3.04	0.71	m/s
VXY_LOWER	0.01	4.88	1.87	0.76	m/s



K.4 B-OF11: Block 9

Start	17/02/2021 15:37				
Stop	(none: continued in Block 10 after software issue)				
Duration	(1h58m, including Block 10)				
Pump	Eekels setup				
Discharge					
Notes	- Flow was continued during the software interruption				
Statistics	Calculated from 142 to 2262 seconds (n=21193).				
series	Min	max	mean	std	Unit
DISCHARGE	0.318	0.745	0.546	0.054	m³/s
WH_CREST	0.266	0.326	0.287	0.007	m
WH_UPPER	0.056	0.149	0.075	0.007	m
WH_MOBILE	0.080	0.136	0.106	0.006	m
WH_LOWER	0.137	0.215	0.181	0.008	m
VXY_UPPER	0.55	3.91	3.05	0.19	m/s
VXY_MOBILE	0.16	5.07	3.06	0.68	m/s
VXY_LOWER	0.01	4.82	1.87	0.76	m/s

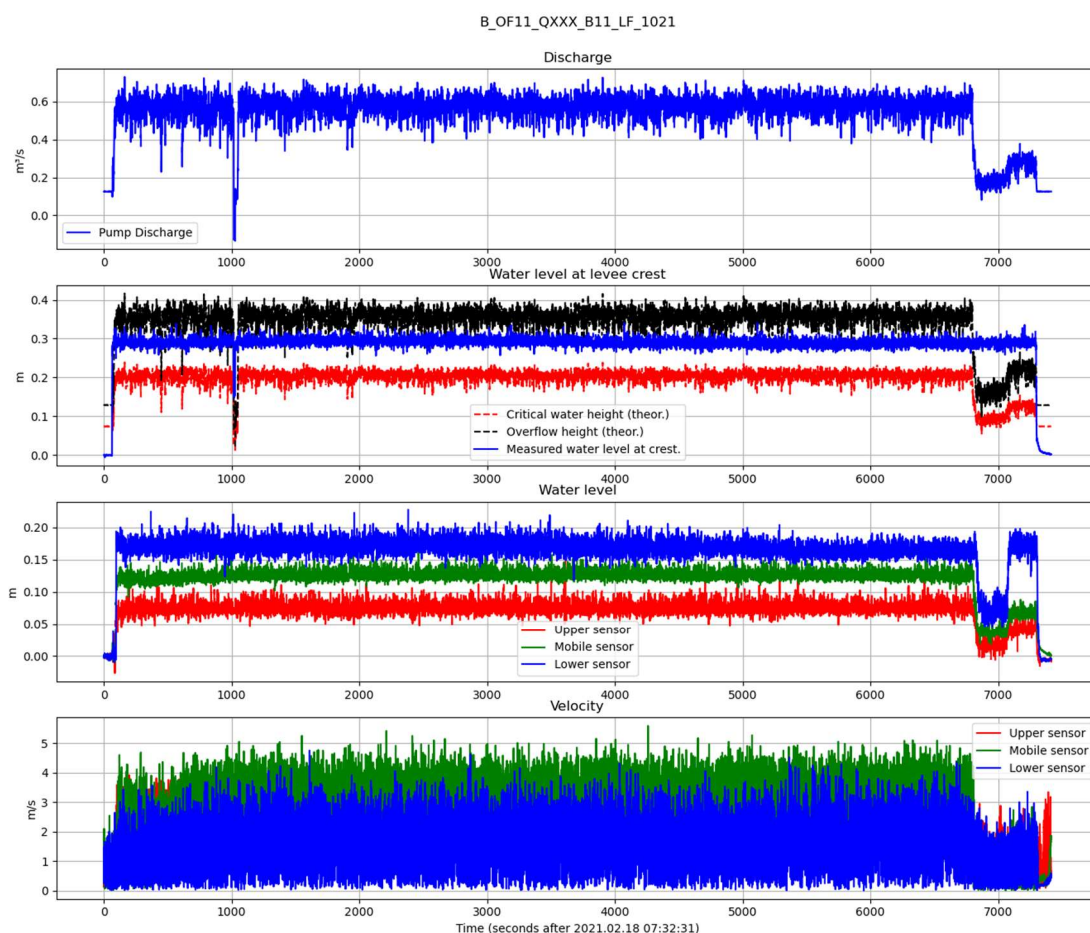


K.5 B-OF11: Block 10

Start	No data recorded, continuation of Block 9.					
Stop						
Duration						
Pump						
Discharge						
Notes	-					
Statistics						
	series	Min	max	mean	std	Unit
	DISCHARGE					m ³ /s
	WH_CREST					m
	WH_UPPER					m
	WH_MOBILE					m
	WH_LOWER					m
	VXY_UPPER					m/s
	VXY_MOBILE					m/s
	VXY_LOWER					m/s

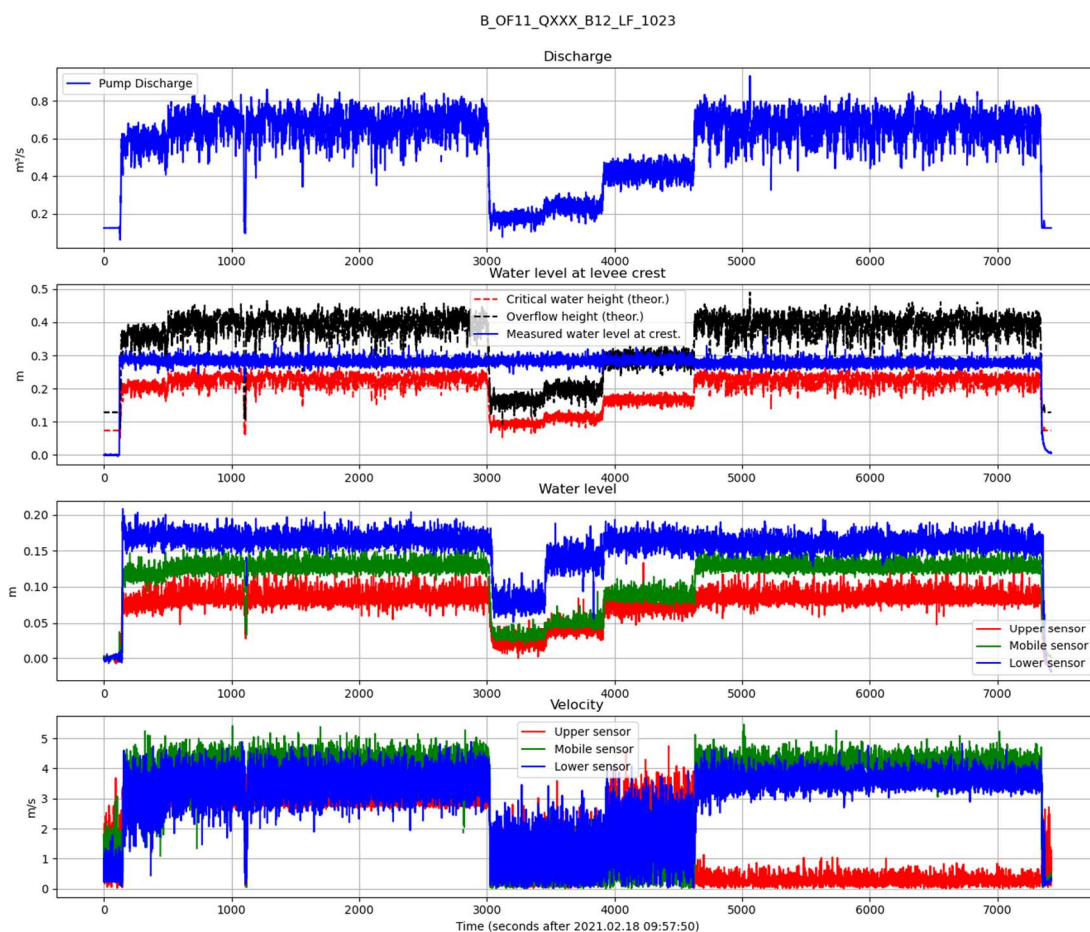
K.6 B-OF11: Block 11

Start	18/02/2021 8:33					
Stop	18/02/2021 10:34					
Duration	2h 01m					
Pump	Eekels setup					
Discharge	Approx. 430 L/s					
Notes	- Decrease of discharge for the last 10 minutes - Manually measured Hcrest: 15 cm					
Statistics	Calculated from 1095 to 6786 seconds (n=70944).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.340	0.728	0.582	0.045	m³/s
	WH_CREST	0.256	0.340	0.290	0.008	m
	WH_UPPER	0.047	0.153	0.075	0.007	m
	WH_MOBILE	0.102	0.174	0.126	0.006	m
	WH_LOWER	0.119	0.227	0.169	0.010	m
	VXY_UPPER	2.38	3.95	3.02	0.13	m/s
	VXY_MOBILE	0.42	5.59	3.32	0.64	m/s
	VXY_LOWER	0.01	4.75	1.70	0.74	m/s



K.7 B-OF11: Block 12

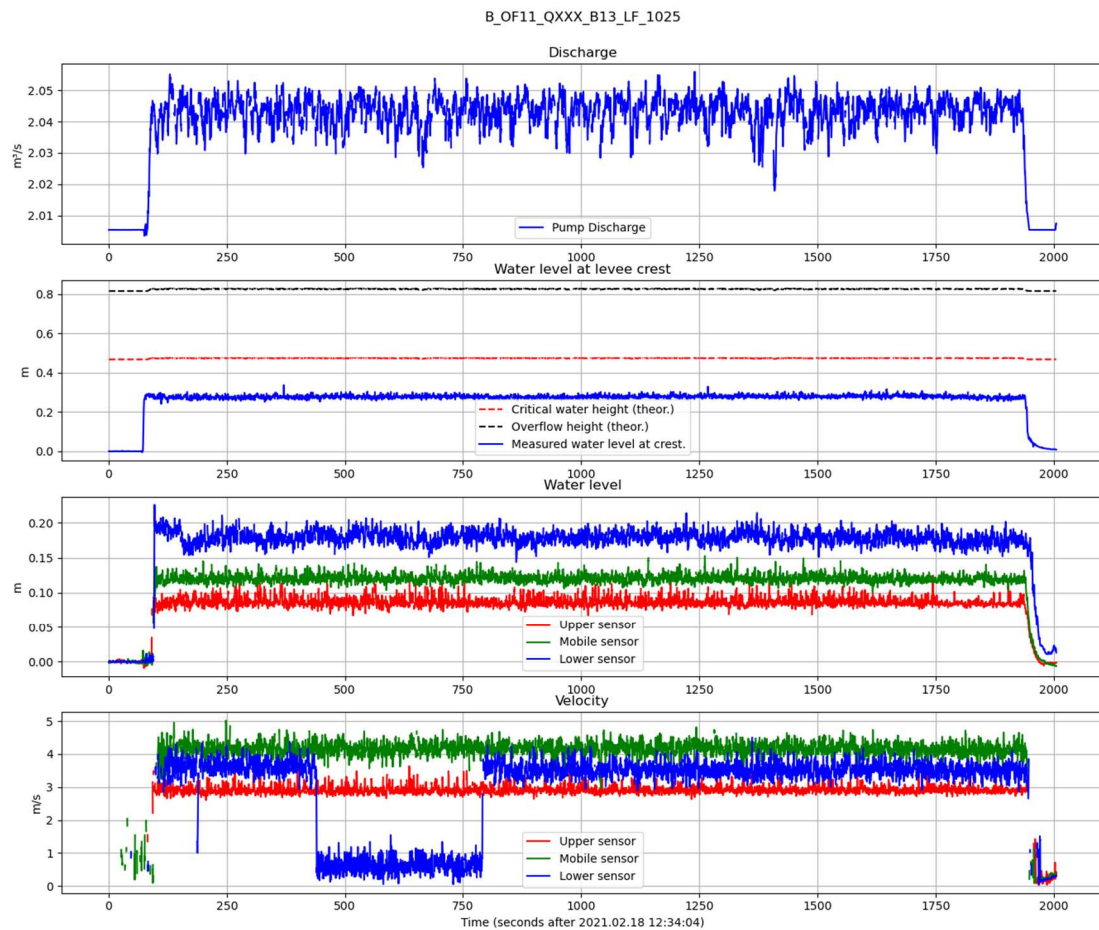
Start	18/02/2021 10:59				
Stop	18/02/2021 13:00				
Duration	2h 01m				
Pump	Eekels setup				
Discharge	Approx. 500 L/s with variable episode				
Notes	Manually measured 17.5 cm Hcrest during 500L/s discharge.				
Statistics	Calculated from 540 to 2955 seconds (n=24151).				
series	Min	max	mean	std	Unit
DISCHARGE	0.096	0.861	0.675	0.079	m³/s
WH_CREST	0.227	0.341	0.281	0.009	m
WH_UPPER	0.027	0.147	0.085	0.009	m
WH_MOBILE	0.031	0.178	0.128	0.009	m
WH_LOWER	0.101	0.204	0.166	0.008	m
VXY_UPPER	0.08	3.96	2.92	0.19	m/s
VXY_MOBILE	0.05	5.41	4.10	0.40	m/s
VXY_LOWER	0.17	4.89	3.50	0.44	m/s



K.8 B-OF11: Block 13

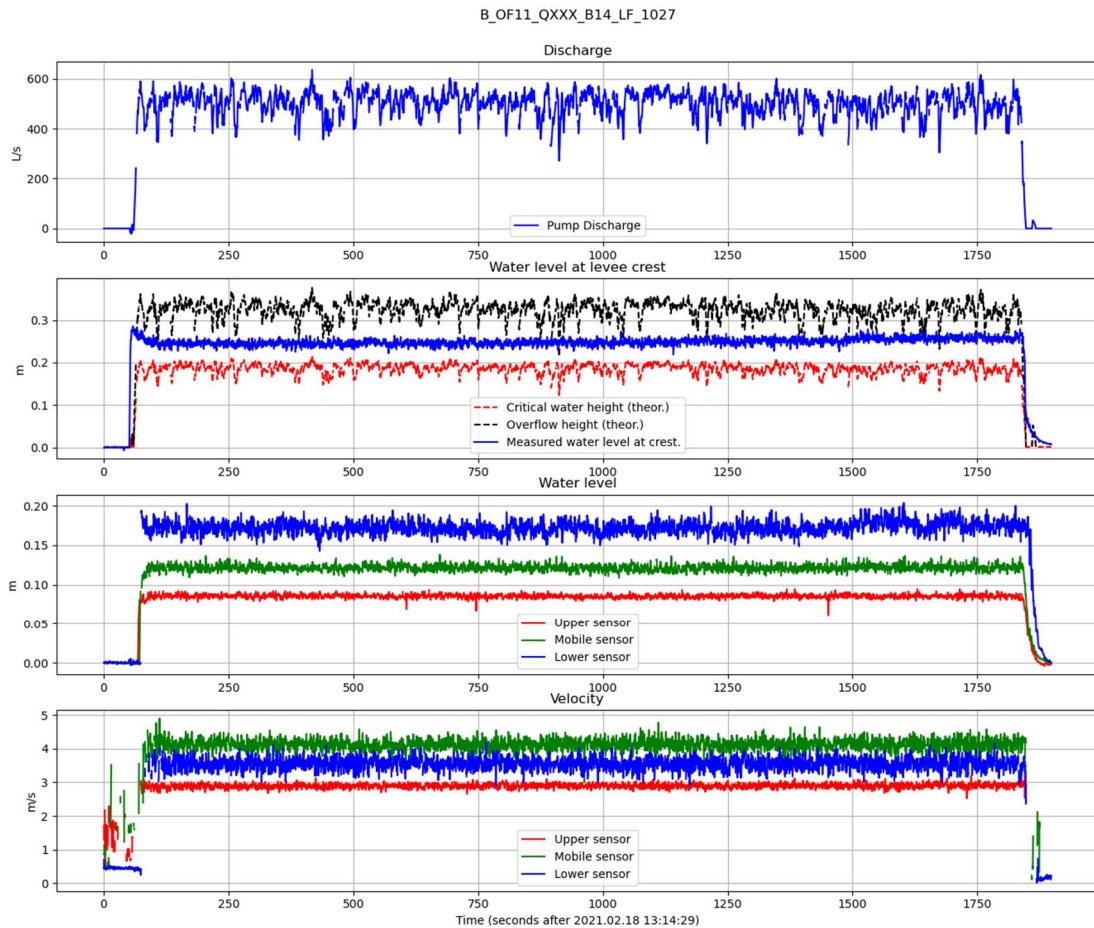
Start	18/02/2021 13:35
Stop	18/02/2021 14:06
Duration	31 minutes
Pump	Eekels 2
Discharge	Approx. 500 L/s
Notes	Manually measured 17.5 m Hcrest
Statistics	Calculated from 99 to 1925 seconds (n=70944).

series	Min	max	mean	std	Unit
DISCHARGE					m ³ /s
WH_CREST	0.241	0.337	0.278	0.008	m
WH_UPPER	0.067	0.132	0.087	0.006	m
WH_MOBILE	0.101	0.153	0.120	0.005	m
WH_LOWER	0.144	0.214	0.179	0.009	m
VXY_UPPER	2.60	3.99	2.91	0.11	m/s
VXY_MOBILE	2.97	5.02	4.16	0.19	m/s
VXY_LOWER	0.05	4.51	2.99	1.17	m/s



K.9 B-OF11: Block 14

Start	18/02/2021 14:15					
Stop	18/02/2021 14:45					
Duration	30 minutes					
Pump	Eekels setup					
Discharge	500 L/s					
Notes	Manually measured 17.5 Hcrest					
Statistics	Calculated from 75 to 1795 seconds (n=17199).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.271	0.635	0.500	0.048	m³/s
	WH_CREST	0.219	0.278	0.249	0.008	m
	WH_UPPER	0.061	0.094	0.085	0.002	m
	WH_MOBILE	0.097	0.138	0.121	0.004	m
	WH_LOWER	0.143	0.204	0.173	0.008	m
	VXY_UPPER	2.52	3.18	2.89	0.06	m/s
	VXY_MOBILE	2.40	4.90	4.12	0.15	m/s
	VXY_LOWER	2.91	4.20	3.55	0.16	m/s



K.10 B-OF11: Block 15

Start	18/02/2021 14:55					
Stop	18/02/2021 14:57					
Duration	2 minutes					
Pump	Eekels setup					
Discharge	500 L/s					
Notes	- Test stopped due to slope failure.					
Statistics	Calculated from 90 to 174 seconds (n=839).					
	series	Min	max	mean	std	Unit
	DISCHARGE	0.486	0.576	0.271	0.076	m³/s
	WH_CREST	0.215	0.241	0.199	0.008	m
	WH_UPPER	0.080	0.088	-0.001	0.012	m
	WH_MOBILE	0.120	0.139	0.001	0.031	m
	WH_LOWER	0.166	0.231	-0.002	0.067	m
	VXY_UPPER	2.87	3.40	0.47	0.20	m/s
	VXY_MOBILE	3.80	4.55	0.18	0.75	m/s
	VXY_LOWER	2.88	4.57	0.07	1.27	m/s

