

COMUNE DI BARBERINO VAL D'ELSA
CITTA' METROPOLITANA DI FIRENZE



**Variante di manutenzione
al Regolamento Urbanistico**

**Variante al PS contestuale
alla Variante di manutenzione
al Regolamento Urbanistico**

ALLEGATO IDRAULICO

Il Sindaco
Giacomo Trentanovi

Assessore alla Pianificazione Territoriale e Urbanistica
Silvano Bandinelli

Responsabile Unico del Procedimento
Alberto Masoni

Garante dell'informazione e della partecipazione
geom. Loris Agresti

Progettista Variante RU
Arch. Riccardo Luca Breschi
con Arch. Andrea Giraldi

Studi geologici idraulici
Dr. Geol. Simone Raspollini
con Ing. Alessio Gabbrielli

ALLEGATO IDRAULICO

Tabulati, profili e sezioni con massimi livelli idrometrici STATO ATTUALE

1

Il presente allegato contiene i tabulati relativi ai livelli idrometrici raggiunti lungo l'asta del Botro dell'Abese, l'asta dell'affluente sinistro ed il bypass negli scenari con durate di precipitazione pari a 30, 45 e 60 minuti, sia per Tr30 che per TR200 anni. Sono indicati anche i massimi livelli di inviluppo.

2

Dopo i tabulati sono mostrati due differenti profili della corrente, anticipati dalle planimetrie che ne individuano i tratti di asta. I profili sono forniti sia per TR30 che per TR200 anni.

3

Infine sono mostrate tutte le sezioni del Botro dell'Abese e dell'affluente sinistro allo stato attuale, sia per TR30 che per TR200 anni:

Abese TR30 - pag. 1

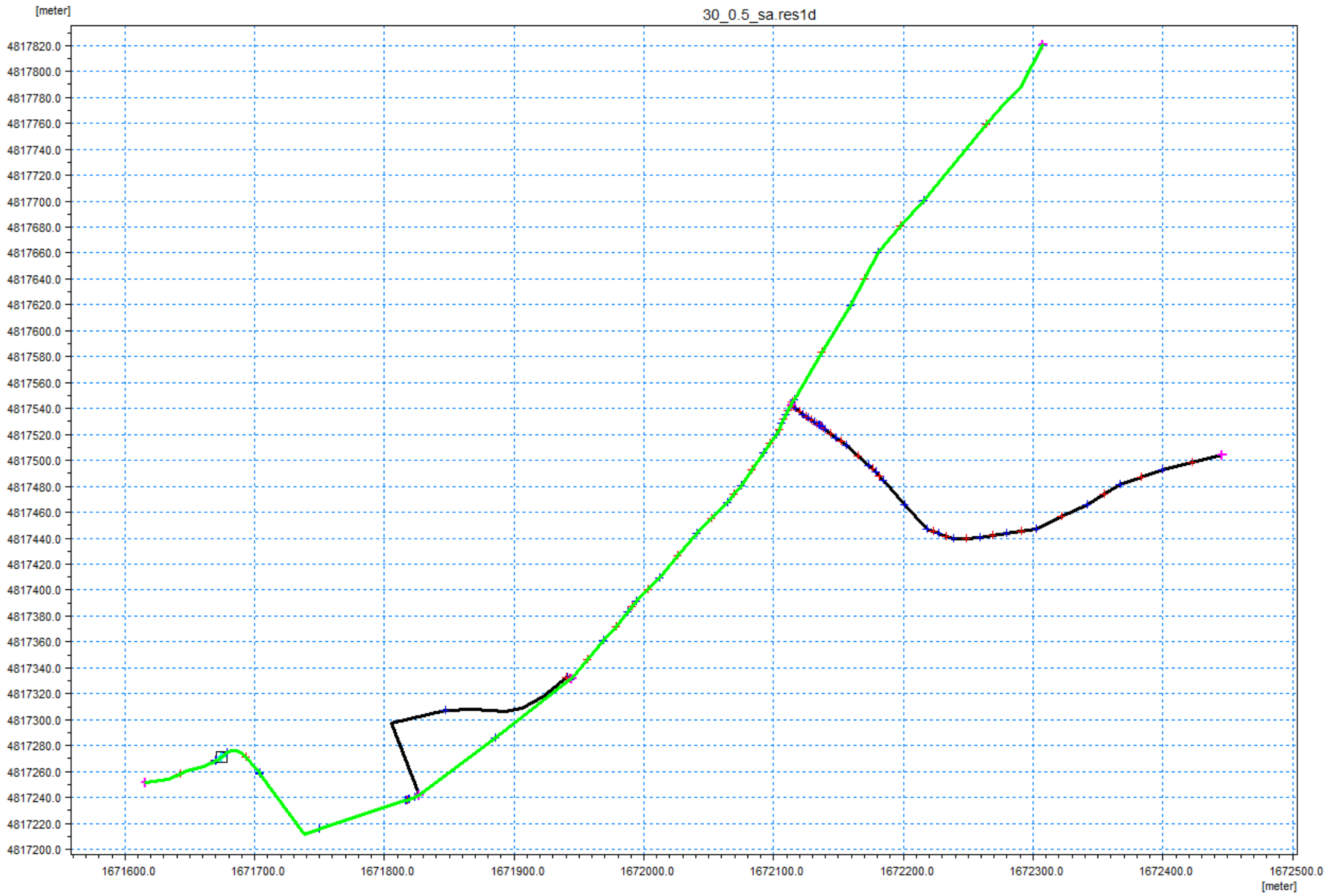
Abese TR200 - pag. 30

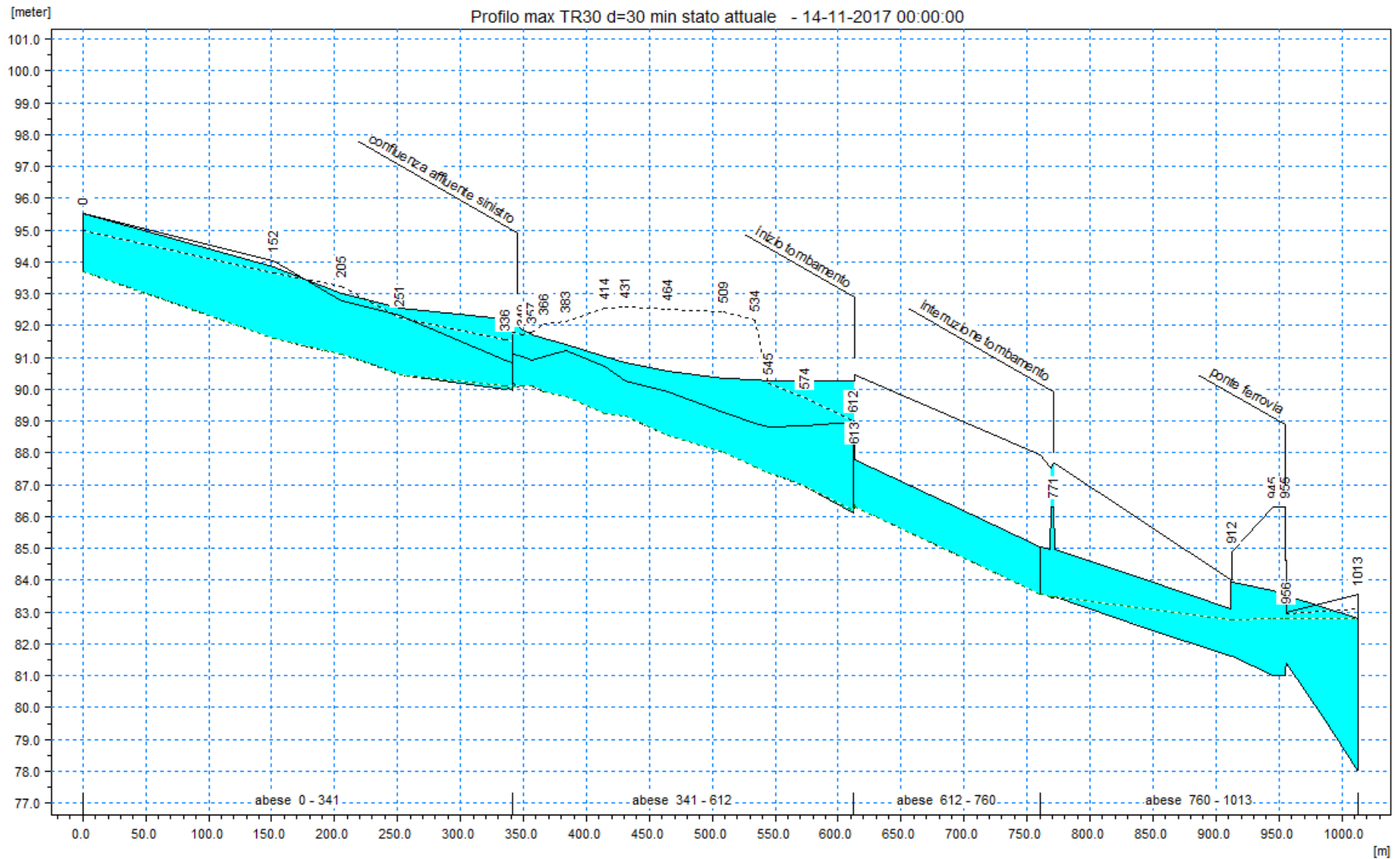
Affluente sx TR30 – pag. 59

Affluente sx TR200 – pag. 84

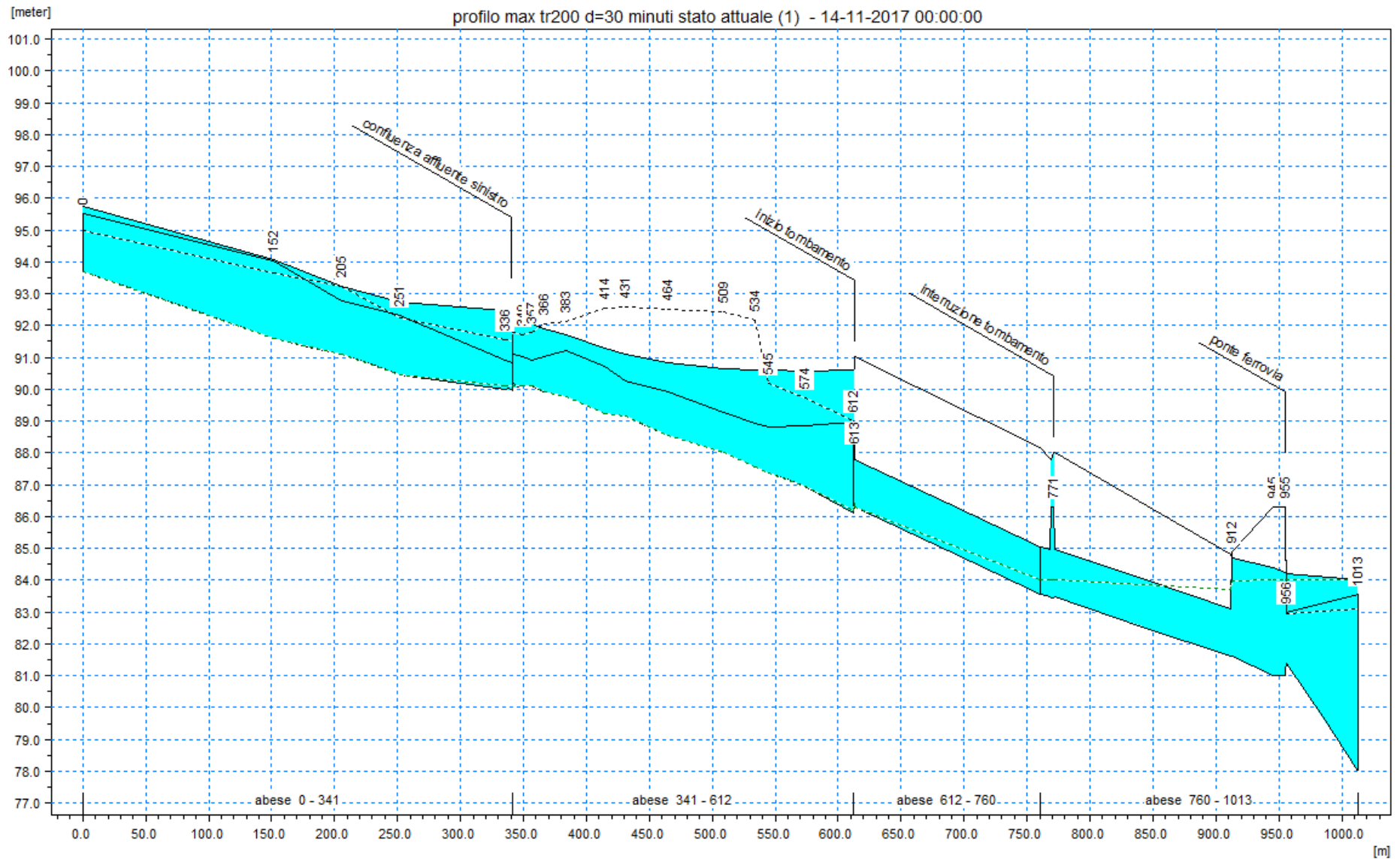
Water level	chainage	tr30 - d=30 min	tr30 - d=45 min	tr30 - d=60 min	tr30 max	tr200 - d=30 min	tr200 - d=45 min	tr200 - d=60 min	tr200 max
abese 0	0.00	95.51	95.50	95.45	95.51	95.73	95.71	95.64	95.73
abese 151.53	151.53	93.85	93.84	93.78	93.85	94.07	94.05	93.99	94.07
abese 205.08	205.08	92.99	92.98	92.92	92.99	93.22	93.20	93.12	93.22
abese 251.29	251.29	92.54	92.53	92.48	92.54	92.76	92.74	92.67	92.76
abese 335.72	335.72	92.22	92.21	92.15	92.22	92.46	92.44	92.36	92.46
abese 340.984	340.98	92.11	92.10	92.03	92.11	92.38	92.34	92.27	92.38
abese 348.98	348.98	91.86	91.85	91.77	91.86	92.17	92.14	92.05	92.17
abese 356.6	356.60	91.73	91.72	91.64	91.73	92.04	92.01	91.92	92.04
abese 366.27	366.27	91.59	91.58	91.52	91.59	91.88	91.86	91.77	91.88
abese 383.3	383.30	91.42	91.41	91.35	91.42	91.70	91.67	91.59	91.70
abese 414.19	414.19	91.02	91.01	90.95	91.02	91.30	91.28	91.20	91.30
abese 430.87	430.87	90.83	90.82	90.76	90.83	91.11	91.09	91.01	91.11
abese 464.42	464.42	90.56	90.56	90.50	90.56	90.84	90.83	90.74	90.84
abese 509.2	509.20	90.32	90.32	90.27	90.32	90.64	90.63	90.54	90.64
abese 534.27	534.27	90.29	90.29	90.24	90.29	90.61	90.60	90.51	90.61
abese 544.91	544.91	90.26	90.26	90.22	90.26	90.59	90.58	90.49	90.59
abese 573.73	573.73	90.25	90.25	90.18	90.25	90.55	90.54	90.47	90.55
abese 612.25	621.25	90.26	90.27	90.24	90.27	90.62	90.60	90.55	90.62
abese 612.75	612.75	90.28	90.22	90.22	90.28	90.62	90.66	90.58	90.66
abese 613.25	613.25	90.45	90.37	90.22	90.45	91.01	90.84	90.57	91.01
abese 760.35	760.35	87.93	87.97	87.91	87.97	88.17	88.17	88.21	88.21
abese 768.31	768.31	87.56	87.59	87.57	87.59	87.84	87.86	87.84	87.86
abese 769	769.00	87.51	87.55	87.53	87.55	87.80	87.82	87.80	87.82
abese 771	771.00	87.69	87.72	87.69	87.72	88.01	88.03	88.01	88.03
abese 771.56	771.56	87.69	87.72	87.69	87.72	88.01	88.03	88.01	88.03
abese 911.4	911.40	84.00	84.08	84.05	84.08	84.80	84.82	84.77	84.82
abese 912.4	912.40	83.92	83.99	83.97	83.99	84.69	84.70	84.66	84.70
abese 945.02	945.02	83.66	83.68	83.69	83.69	84.41	84.41	84.40	84.41
abese 955.03	955.03	83.48	83.63	83.60	83.63	84.26	84.30	84.23	84.30
abese 955.84	955.84	83.53	83.53	83.55	83.55	84.19	84.19	84.18	84.19
abese 1013.08	1013.08	82.80	82.80	82.80	82.80	84.00	84.00	84.00	84.00

Water level	chainage	tr30 - d=30 min	tr30 - d=45 min	tr30 - d=60 min	tr30 max	tr200 - d=30 min	tr200 - d=45 min	tr200 - d=60 min	tr200 max
fossoSX 0	0.00	100.18	100.11	100.05	100.18	100.28	100.20	100.14	100.28
fossoSX 47.61	47.61	98.27	98.15	98.06	98.27	98.42	98.30	98.20	98.42
fossoSX 81.82	81.82	97.06	96.96	96.89	97.06	97.19	97.09	97.01	97.19
fossoSX 111.33	111.33	96.49	96.41	96.35	96.49	96.60	96.51	96.44	96.60
fossoSX 154.74	154.74	95.97	95.90	95.84	95.97	96.07	95.99	95.93	96.07
fossoSX 178.65	178.65	95.64	95.57	95.51	95.64	95.75	95.67	95.60	95.75
fossoSX 199.29	199.29	95.42	95.34	95.28	95.42	95.51	95.44	95.37	95.51
fossoSX 219.82	219.82	95.32	95.24	95.17	95.32	95.41	95.34	95.28	95.41
fossoSX 231.41	231.41	95.27	95.19	95.12	95.27	95.35	95.28	95.23	95.35
fossoSX 241.2	241.20	95.30	95.19	95.11	95.30	95.41	95.32	95.24	95.41
fossoSX 241.3	241.30	95.30	95.19	95.11	95.30	95.41	95.32	95.24	95.41
fossoSX 291.74	291.74	93.54	93.46	93.38	93.54	93.62	93.56	93.50	93.62
fossoSX 291.84	291.84	93.54	93.45	93.38	93.54	93.62	93.55	93.50	93.62
fossoSX 300.16	300.16	93.47	93.38	93.30	93.47	93.55	93.49	93.44	93.55
fossoSX 307.57	307.57	93.37	93.27	93.19	93.37	93.46	93.40	93.33	93.46
fossoSX 331.06	331.06	92.71	92.62	92.53	92.71	92.83	92.76	92.69	92.83
fossoSX 341.5	341.50	92.43	92.36	92.28	92.43	92.57	92.52	92.46	92.57
fossoSX 351.38	351.38	92.21	92.16	92.09	92.21	92.41	92.36	92.29	92.41
fossoSX 355.21	355.21	92.13	92.09	92.03	92.13	92.35	92.34	92.24	92.35
fossoSX 356.99	356.99	92.11	92.13	92.01	92.13	92.35	92.32	92.24	92.35
fossoSX 357.54	357.54	92.11	92.12	92.02	92.12	92.36	92.33	92.25	92.36
fossoSX 361.1	361.10	92.10	92.08	92.02	92.10	92.38	92.35	92.26	92.38
fossoSX 367.29	367.29	92.10	92.09	92.03	92.10	92.37	92.34	92.26	92.37
fossoSX 372.37	372.37	92.13	92.11	92.05	92.13	92.39	92.36	92.28	92.39
fossoSX 379.46	379.46	92.12	92.11	92.04	92.12	92.38	92.35	92.27	92.38
fossoSX 383.89	383.89	92.11	92.10	92.03	92.11	92.38	92.34	92.27	92.38
bypass 0	0.00	90.26	90.27	90.24	90.27	90.62	90.60	90.55	90.62
bypass 3.35	3.35	92.45	92.46	90.15	92.46	92.13	93.18	90.77	93.18
bypass 3.85	3.85	91.43	93.88	90.39	93.88	92.59	92.93	93.25	93.25
bypass 206.3	206.30	87.96	87.97	87.92	87.97	88.19	88.19	88.20	88.20
bypass 207.3	207.30	87.93	87.97	87.91	87.97	88.17	88.17	88.21	88.21

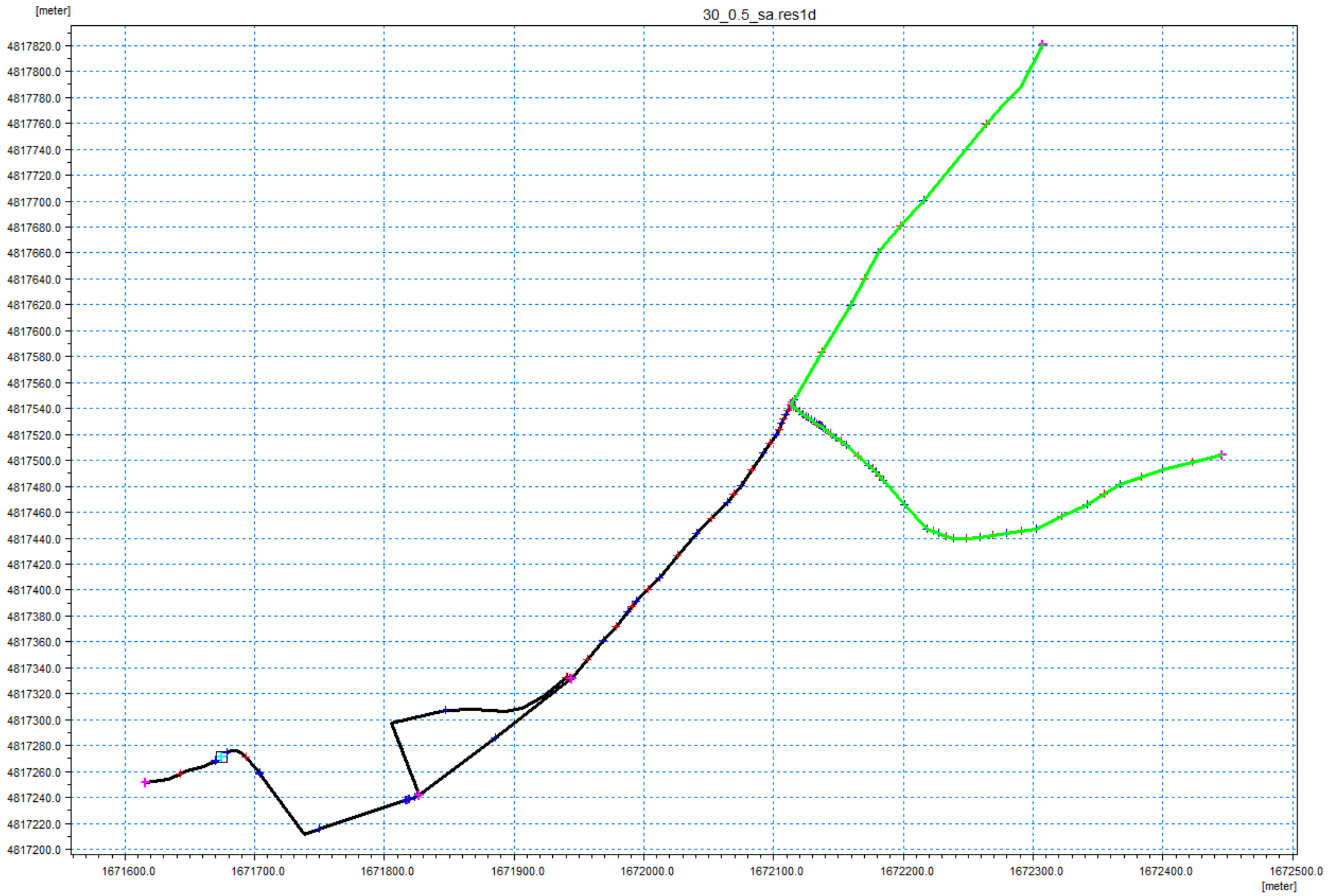


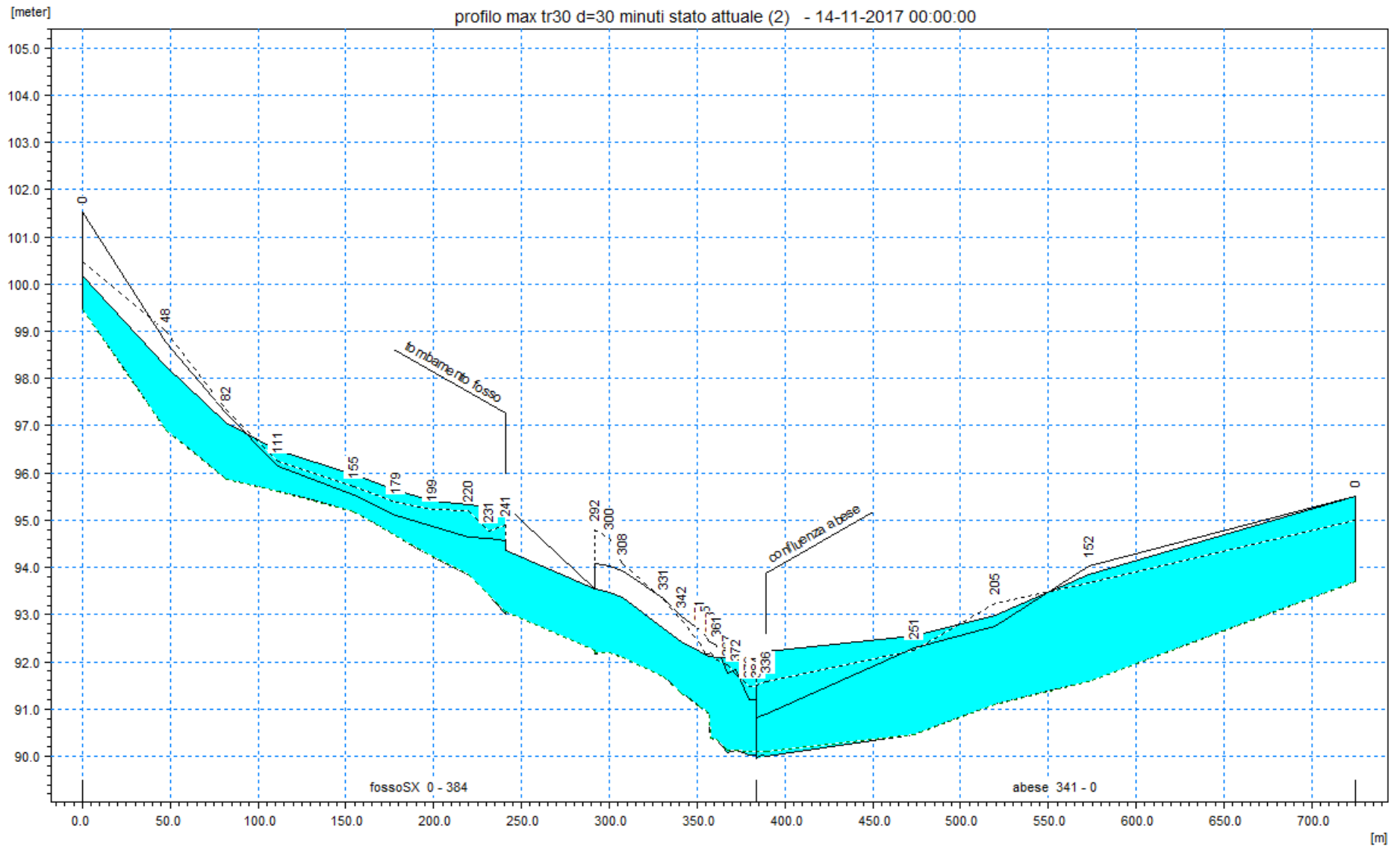


Chainage	0.000	151.530	205.080	251.290	335.720	366.600	383.300	414.190	430.870	464.420	509.200	534.270	573.730	612.250	769.000	912.400	945.020	1013.080
Left levee bank (marker 1)	95.000	93.660	93.230	92.250	91.570	91.790	92.140	92.560	92.580	92.500	92.420	92.150	89.740	89.010	86.425	83.100	86.290	83.100
Right levee bank (marker 3)	95.500	94.030	92.760	92.300	90.890	90.900	91.220	90.720	90.280	89.920	89.270	88.910	88.860	88.980	86.425	83.100	86.290	83.540

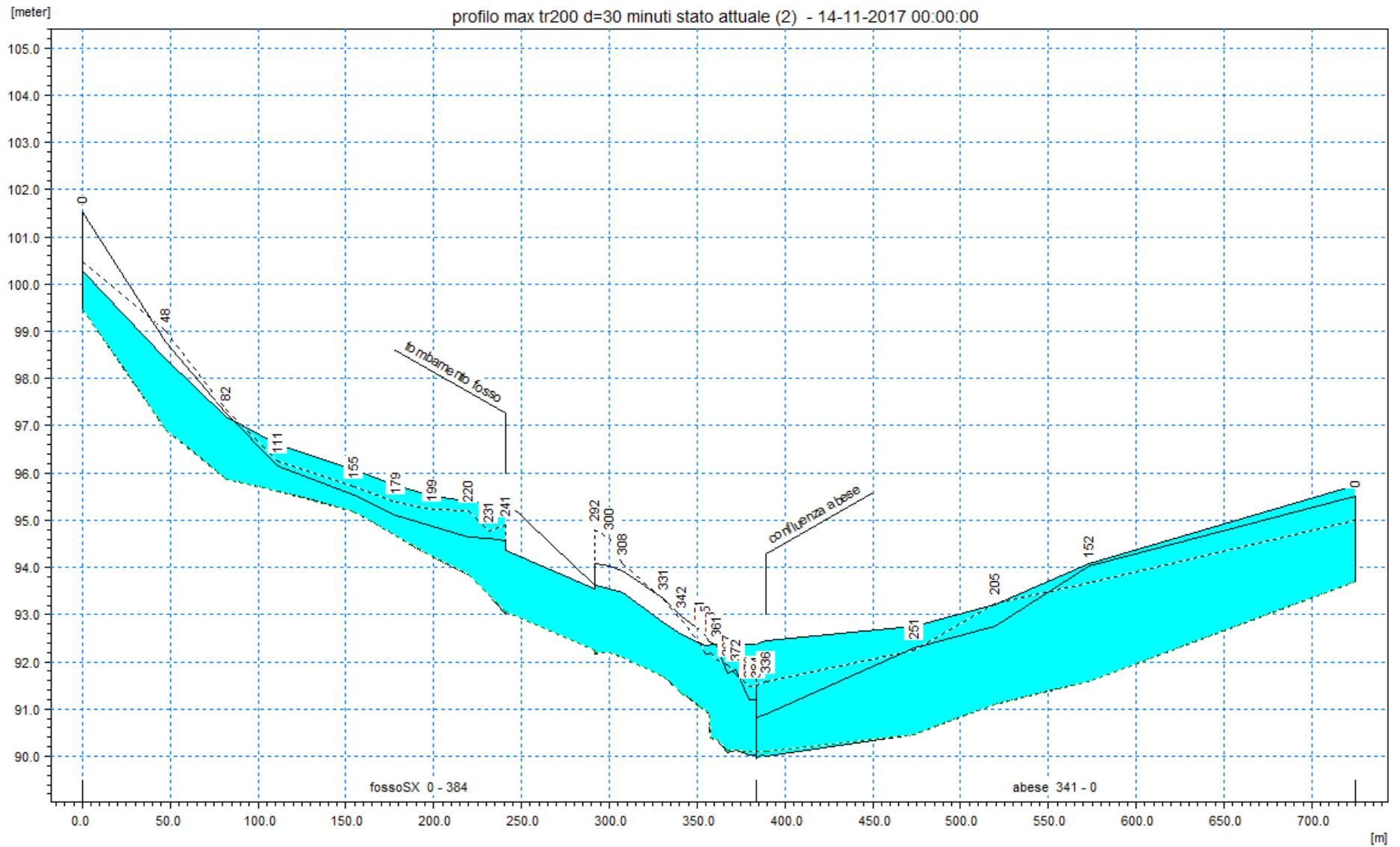


Chainage	0.000	151.530	205.080	251.290	335.720	366.600	383.300	414.190	430.870	464.420	509.200	534.270	573.730	612.250	769.000	912.400	945.020	1013.080		
Left levee bank (marker 1)	95.000	93.660	93.230	92.250	91.570	91.790	92.140	92.560	92.580	92.500	92.420	92.150	89.740	89.010	86.425	85.050	84.035	83.100	86.290	83.100
Right levee bank (marker 3)	95.500	94.030	92.760	92.300	90.890	90.900	91.220	90.720	90.280	89.920	89.270	88.910	88.860	88.980	86.425	85.050	84.035	83.100	86.290	83.540

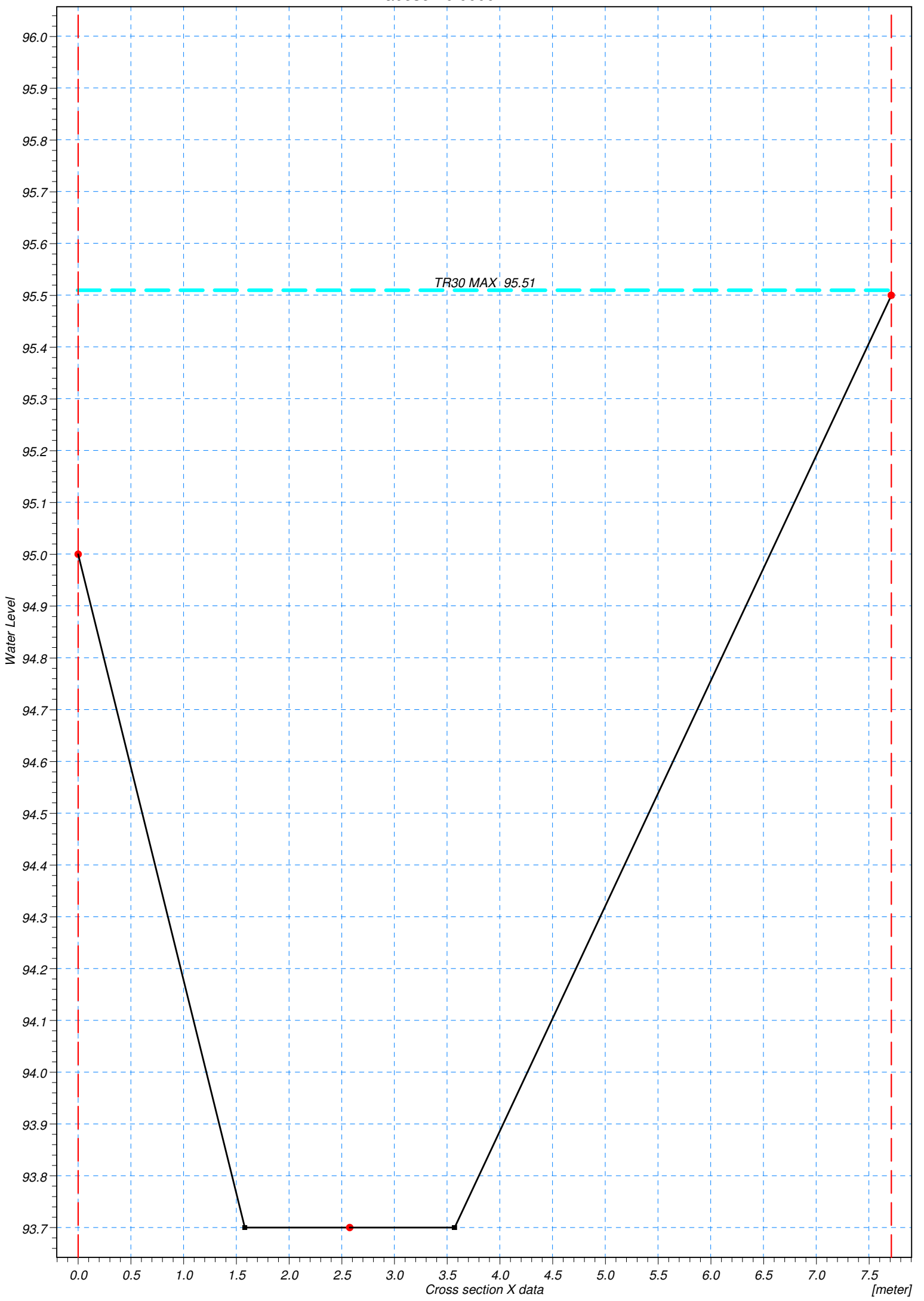


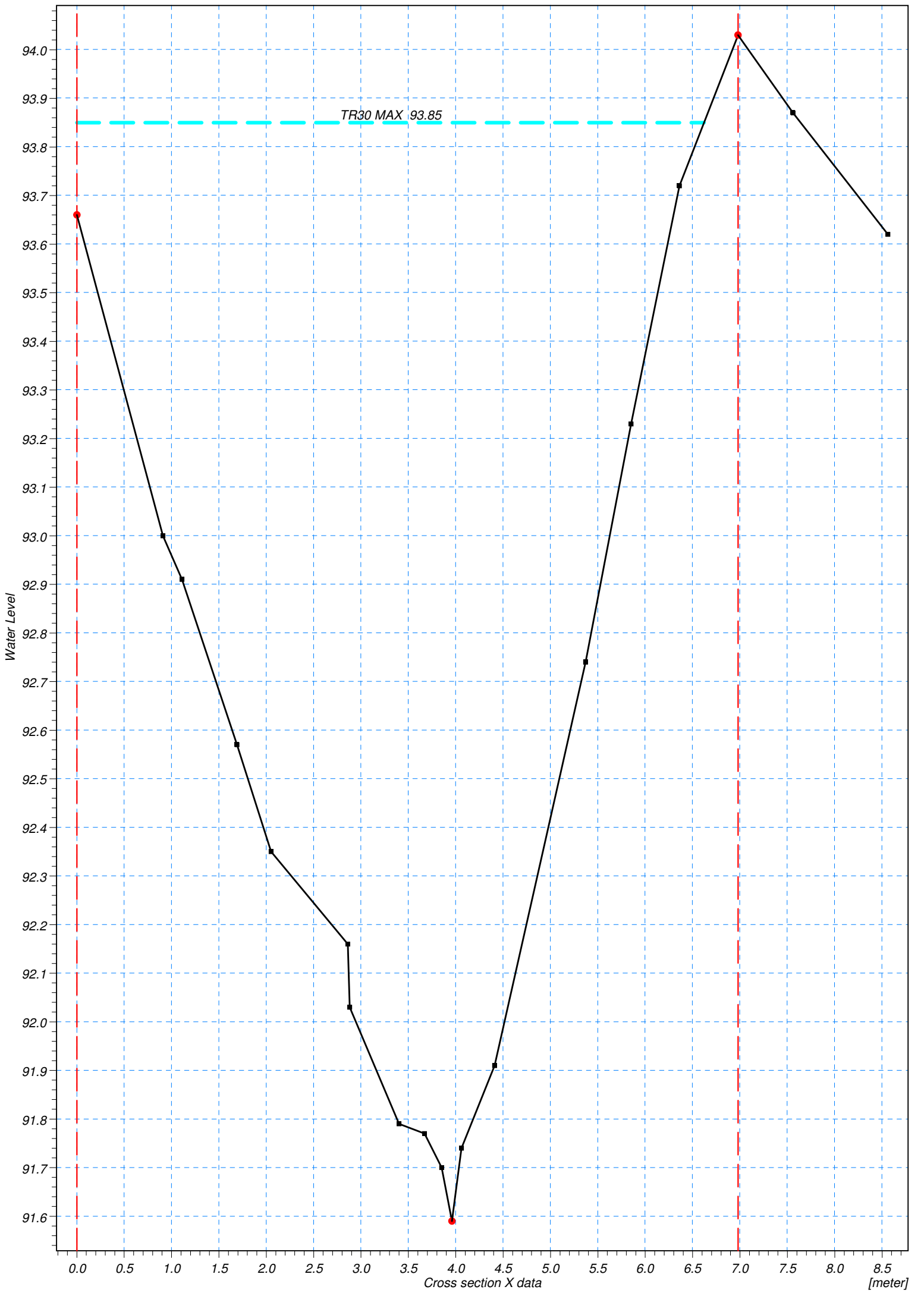


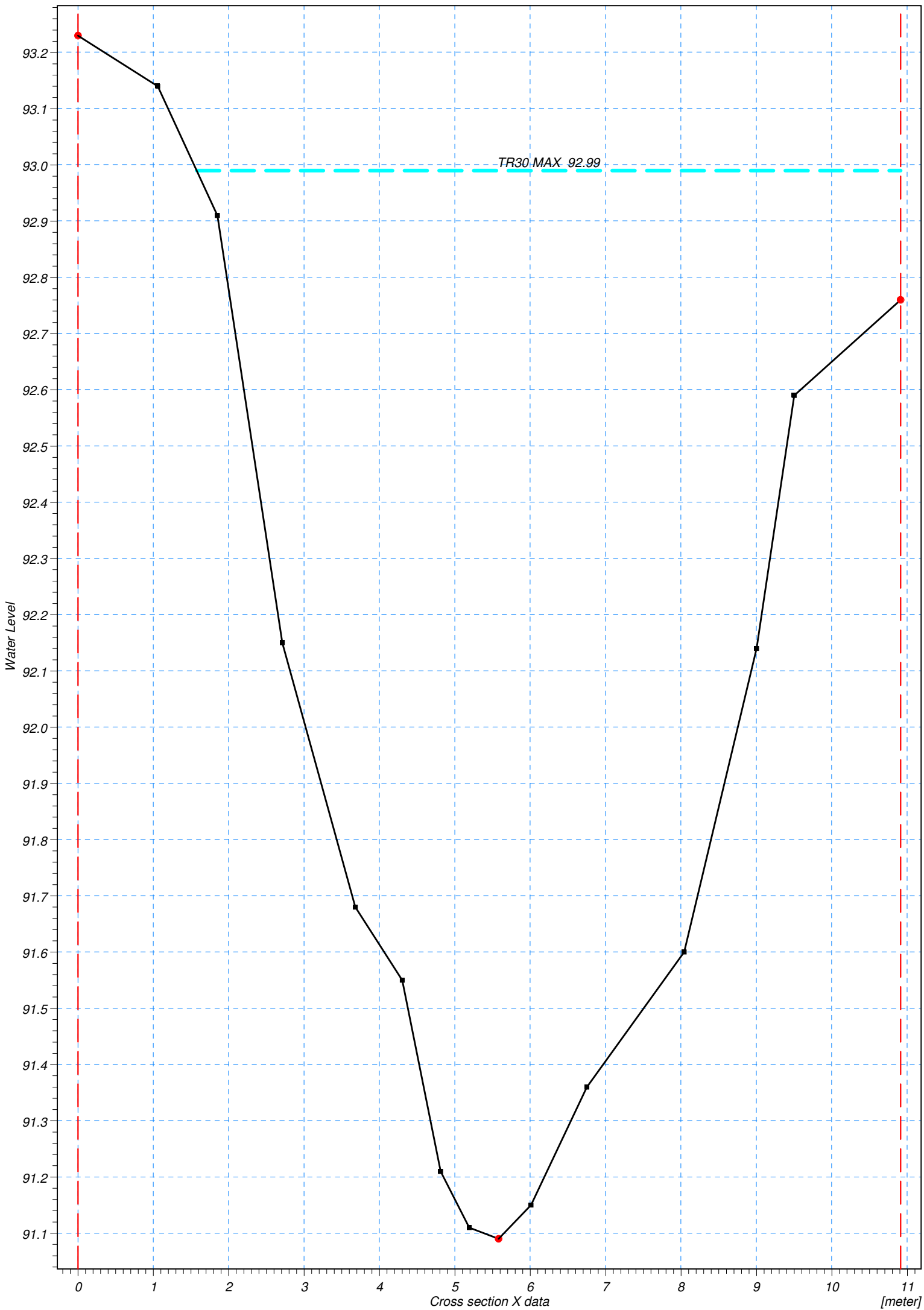
Chainage	0.000	47.610	81.820	111.330	154.740	178.650	199.290	219.820	231.410		291.840	307.570	331.060	341.500	351.380	367.290	379.460		251.290	205.080	151.530	0.000
Left levee bank (marker 1)	100.470	99.010	97.350	96.260	95.710	95.390	95.220	95.200	94.770	93.950	93.540	94.070	93.310	92.890	92.410	91.930	91.480	92.250	93.230	93.660	93.660	95.000
Right levee bank (marker 3)	101.520	98.780	97.260	96.140	95.540	95.100	94.870	94.650	94.610	93.950	93.540	93.940	93.330	92.970	92.670	91.750	91.210	92.300	92.760	94.030	94.030	95.500

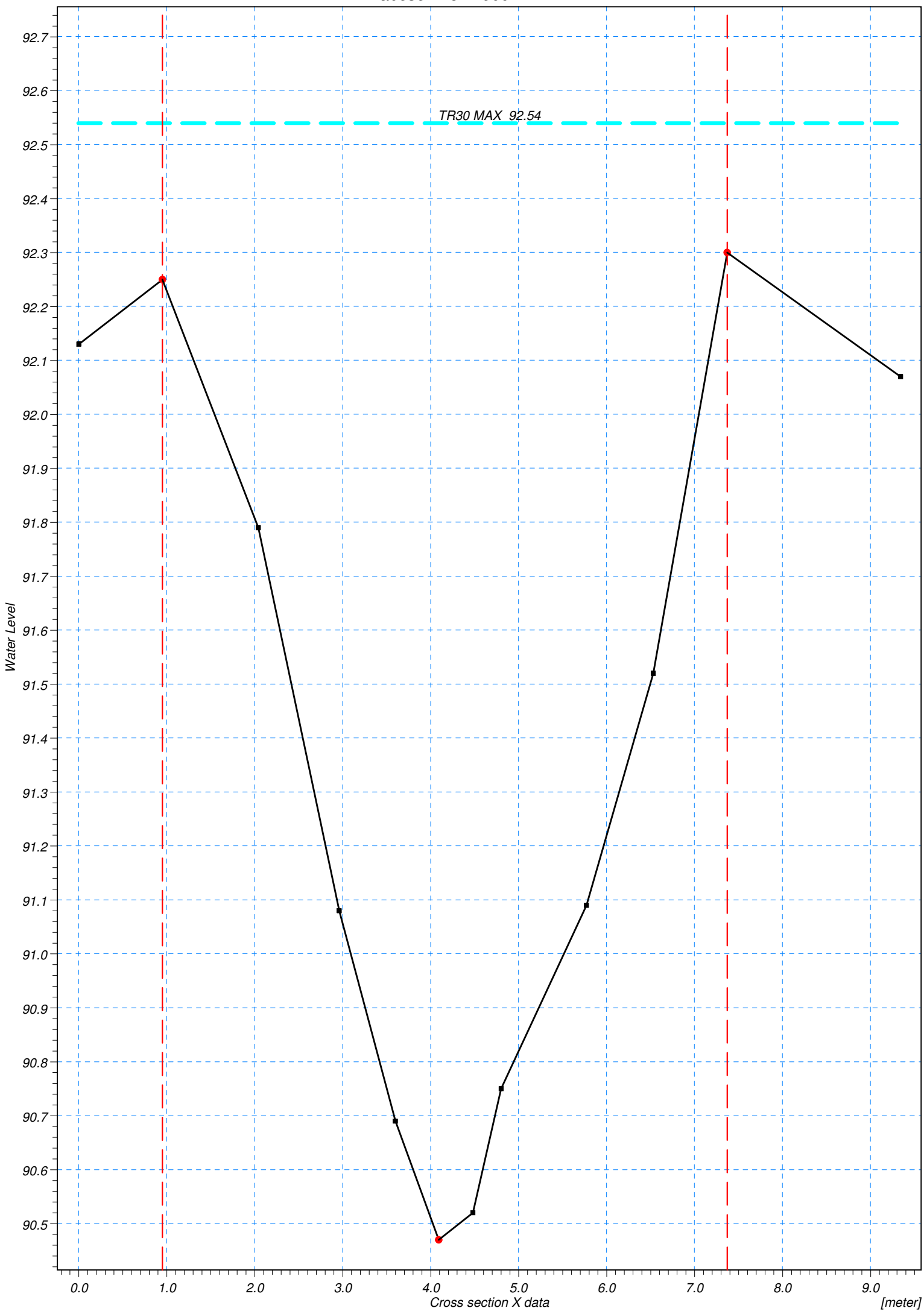


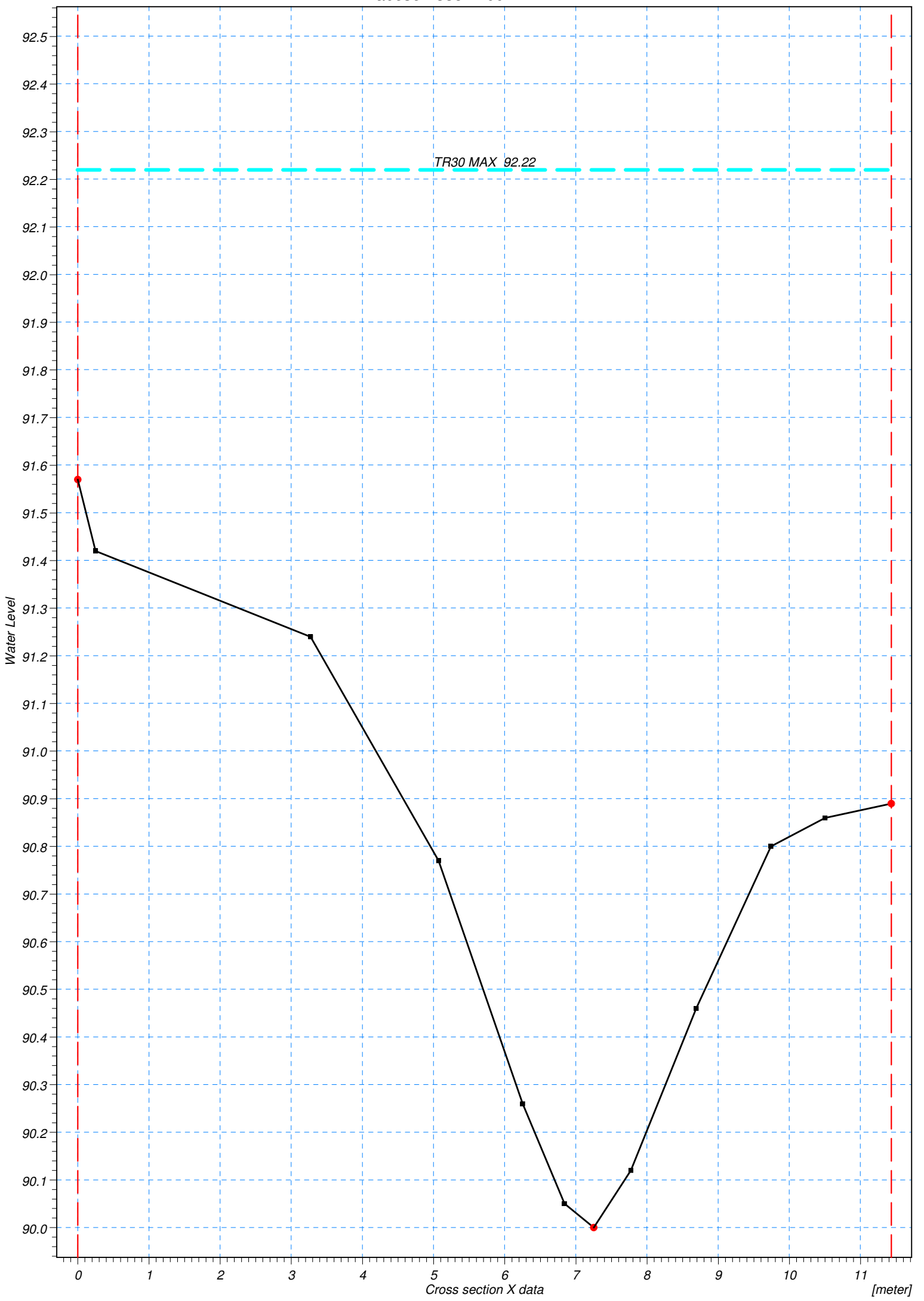
Chainage	0.000	47.610	81.820	111.330	154.740	178.650	199.290	219.820	231.410		291.840	307.570	331.060	341.500	351.380	367.290	379.460		251.290	205.080	151.530	0.000
Left levee bank (marker 1)	100.470	99.010	97.350	96.260	95.710	95.390	95.220	95.200	94.770	93.950	93.540	94.070	93.310	92.890	92.410	91.930	91.480	92.250	93.230	93.660	93.660	95.000
Right levee bank (marker 3)	101.520	98.780	97.260	96.140	95.540	95.100	94.870	94.650	94.610	93.950	93.540	93.940	93.330	92.970	92.670	91.750	91.210	92.300	92.760	94.030	94.030	95.500

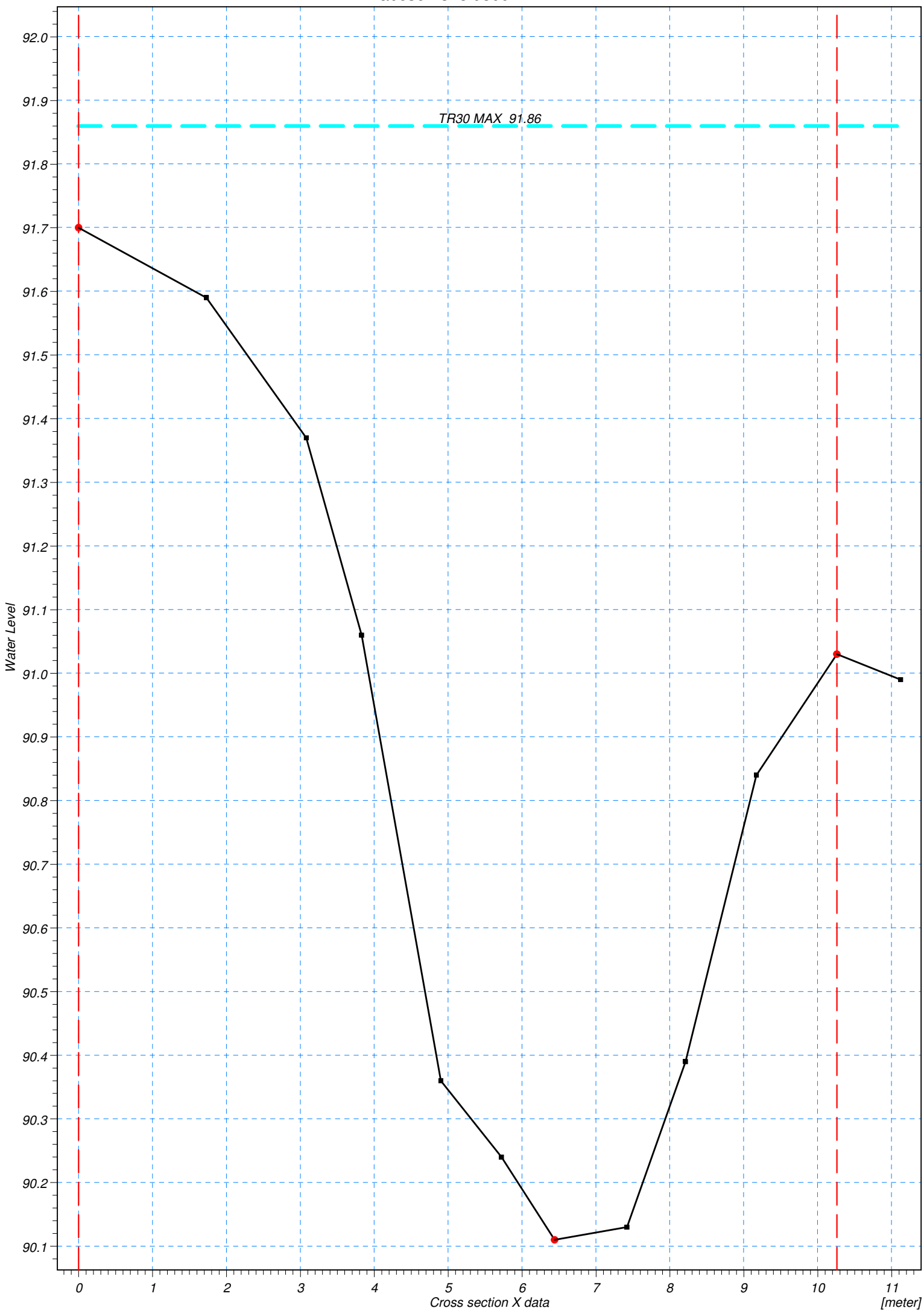


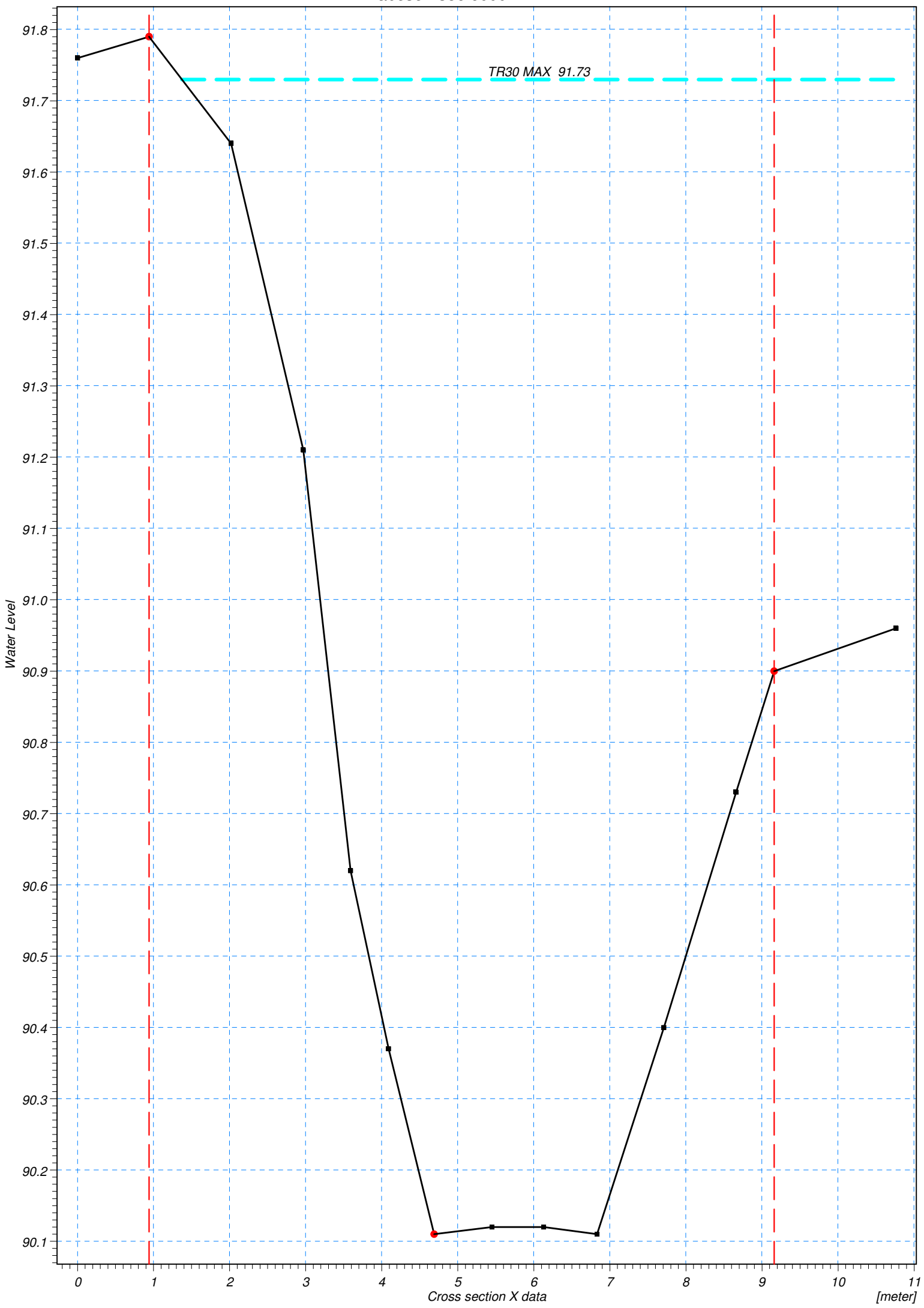


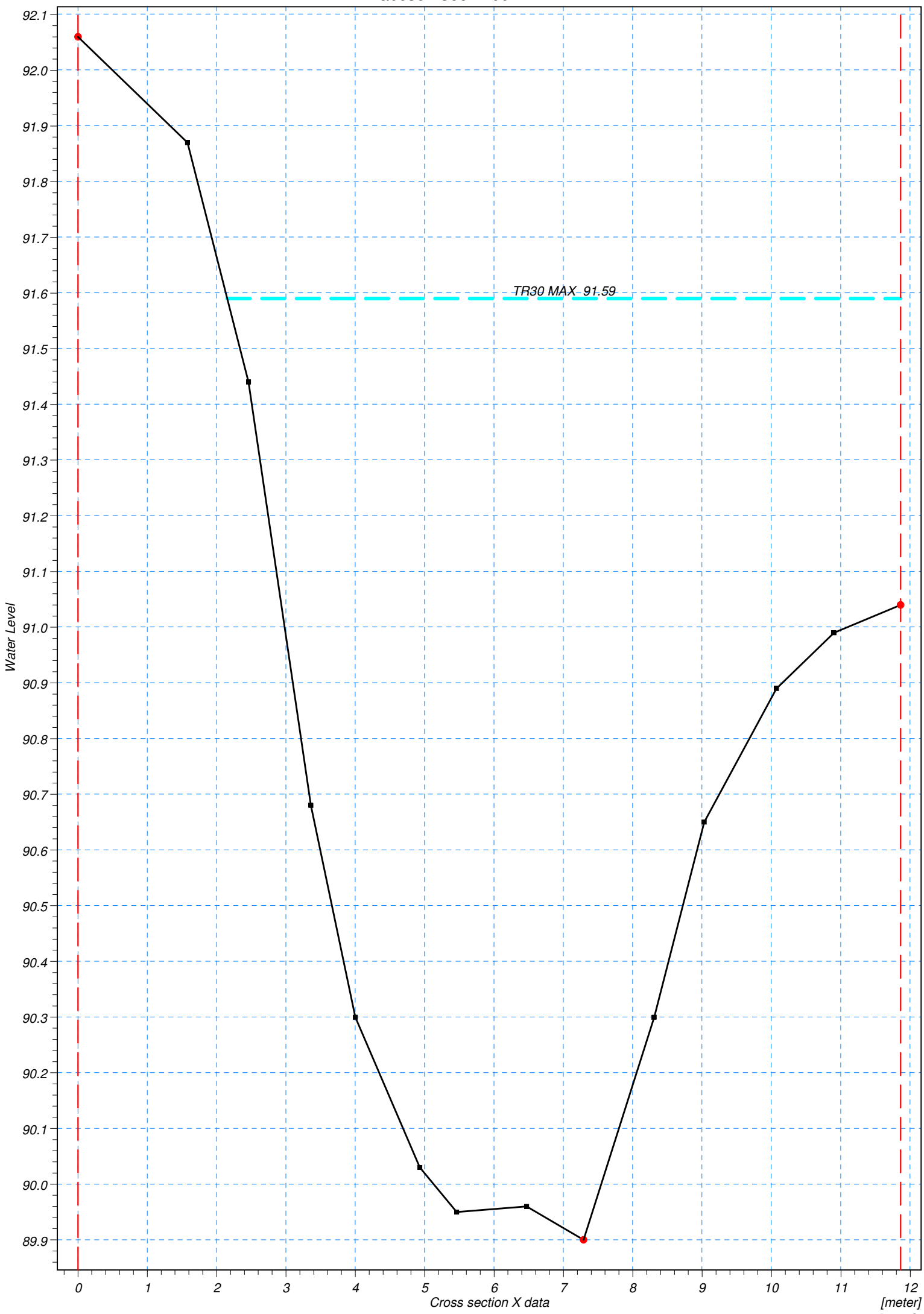


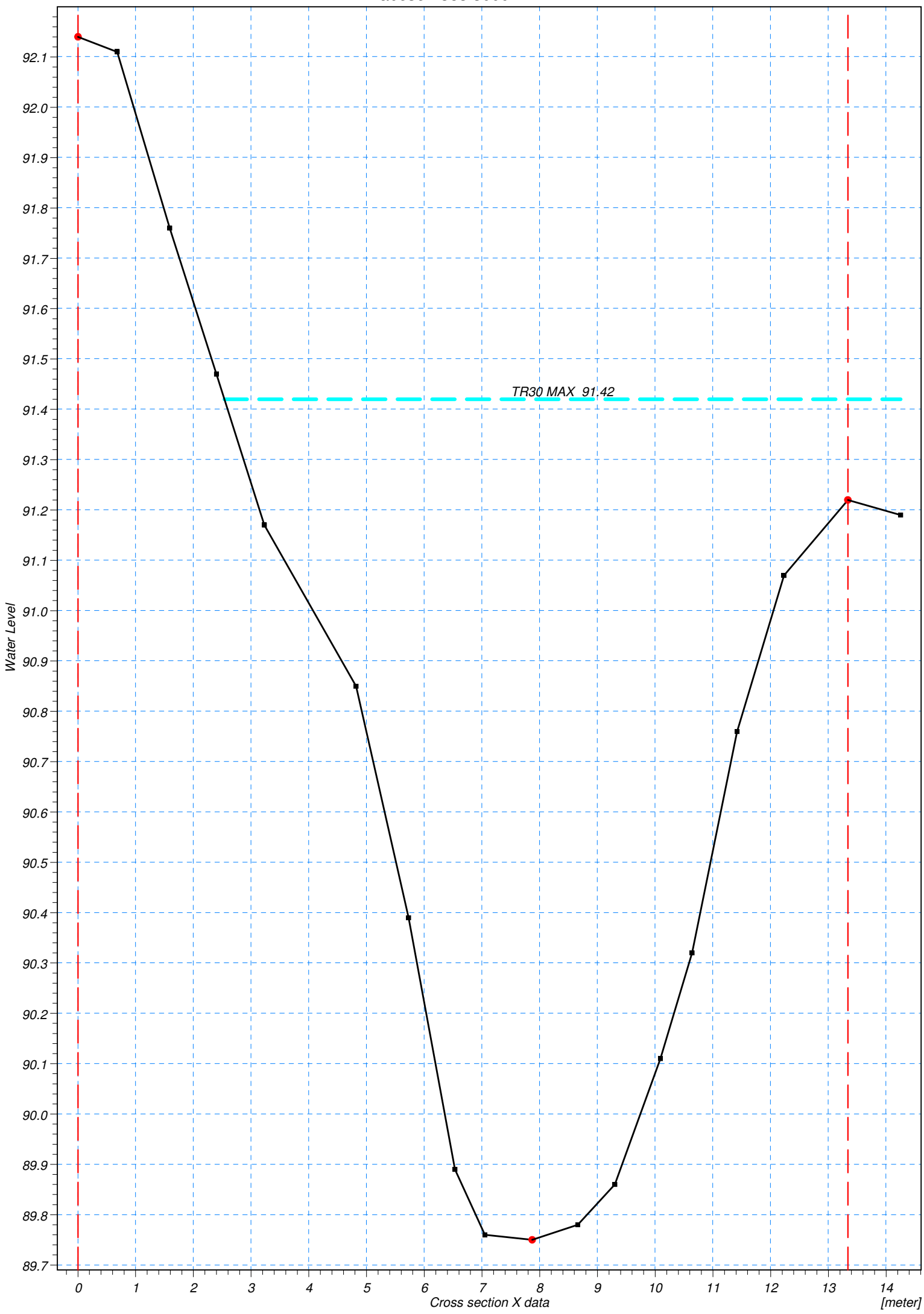


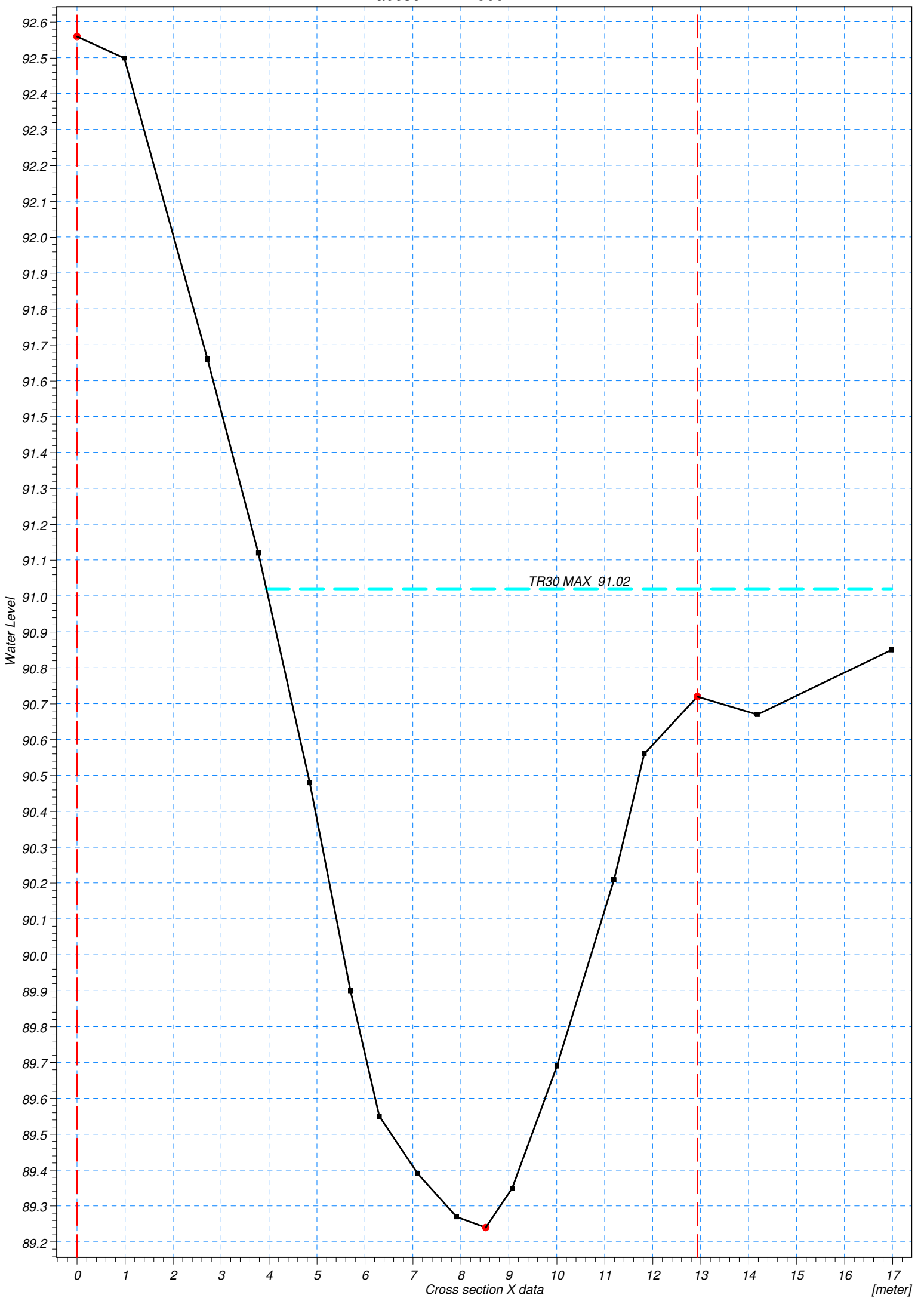


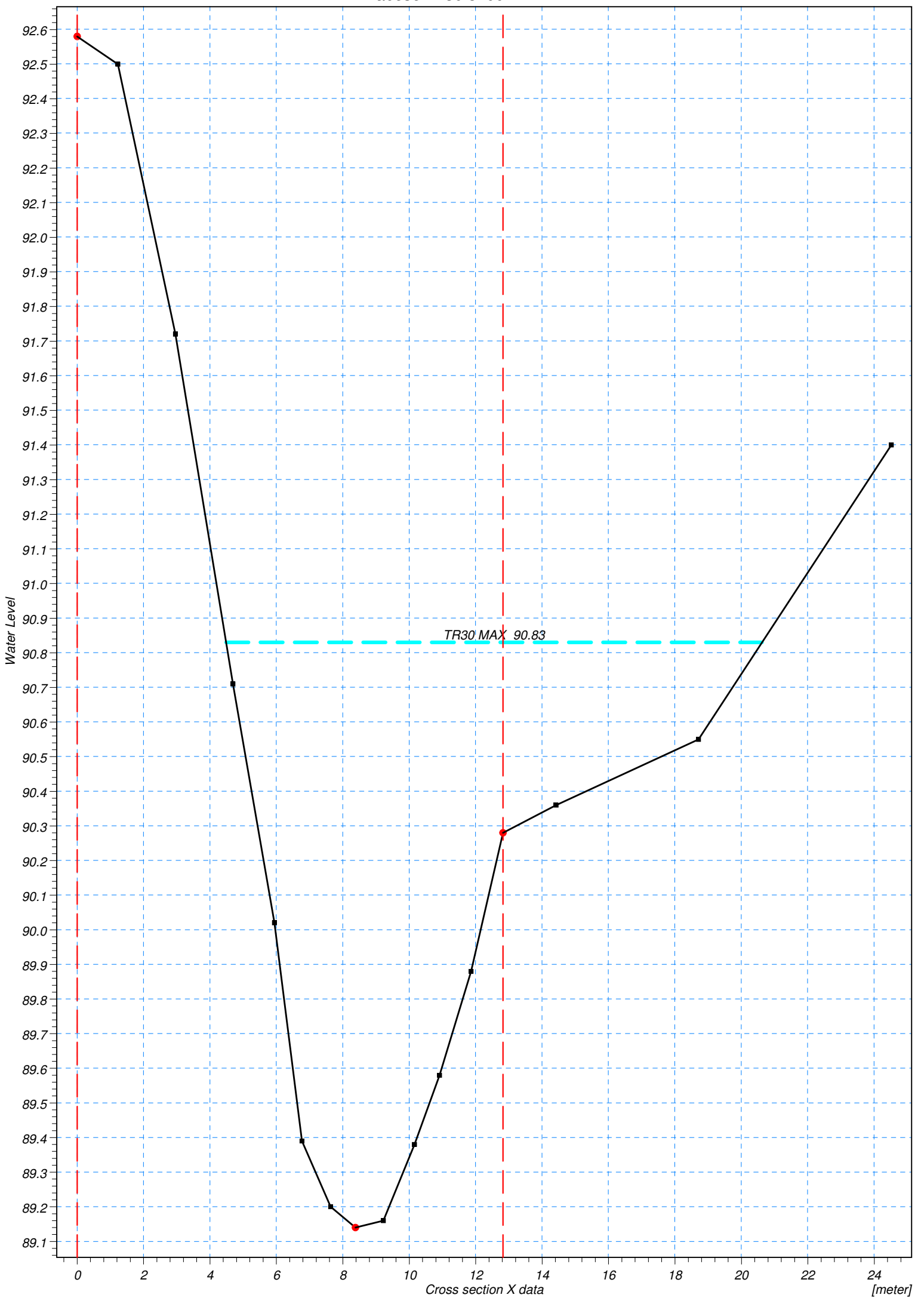


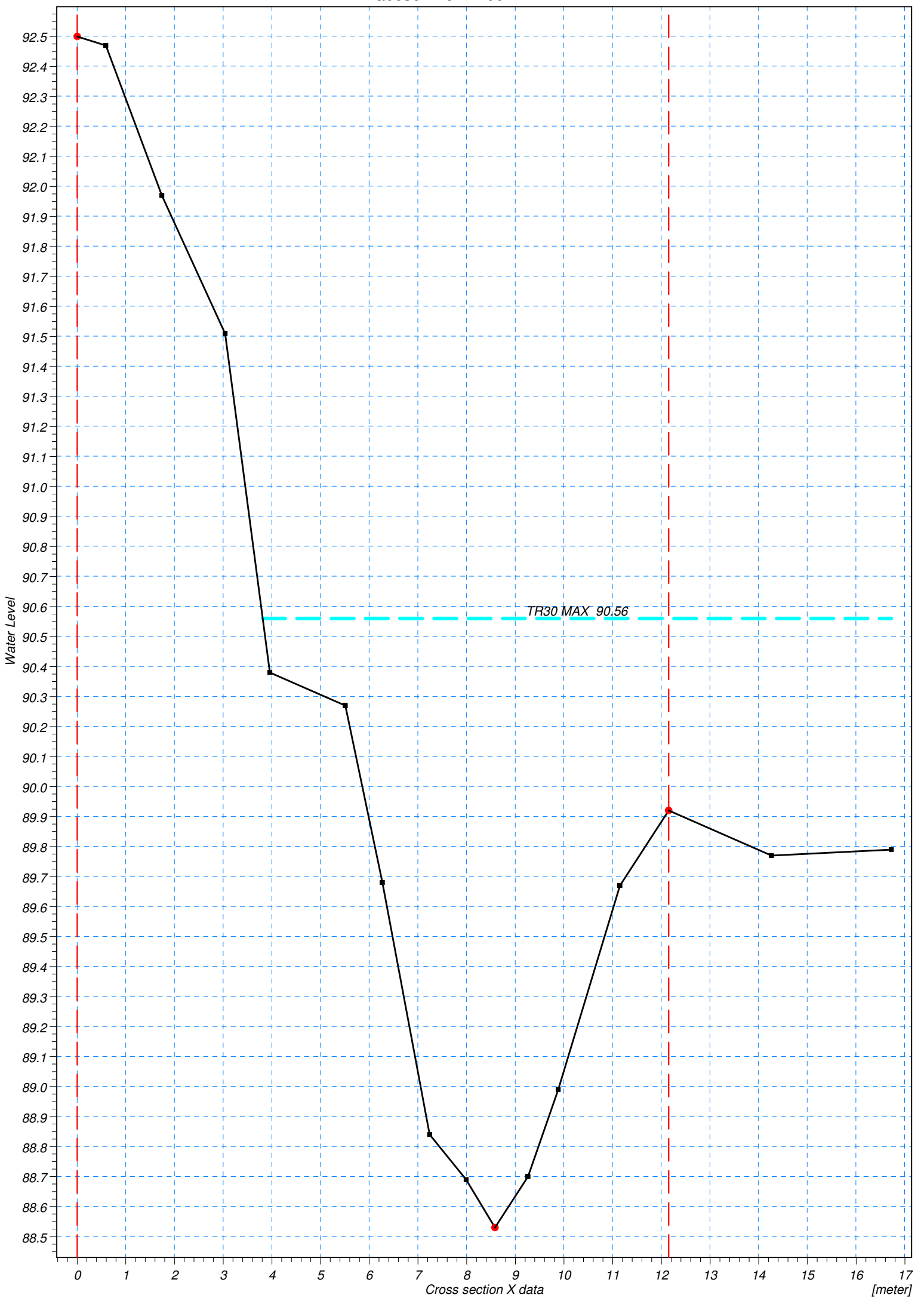


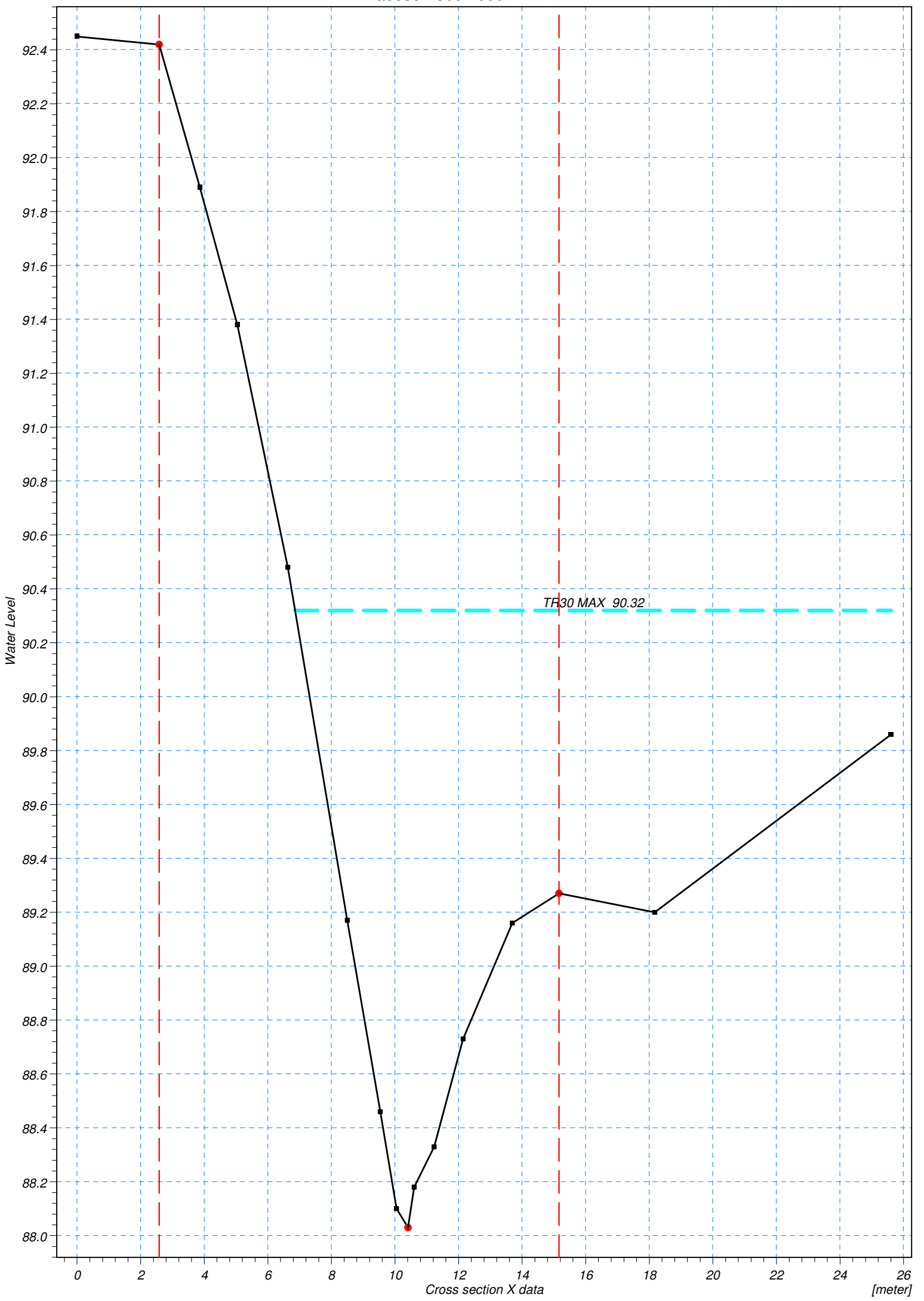


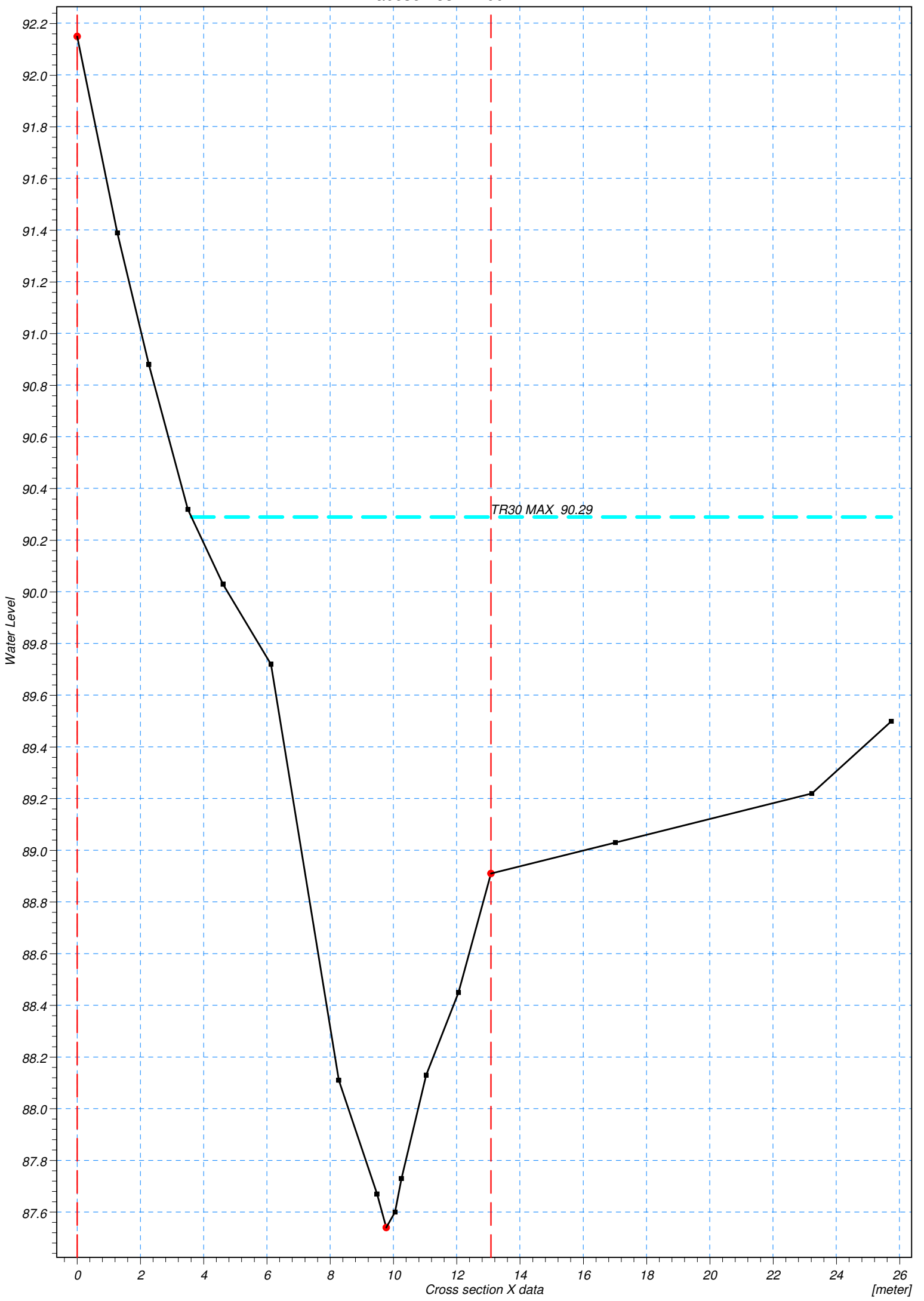


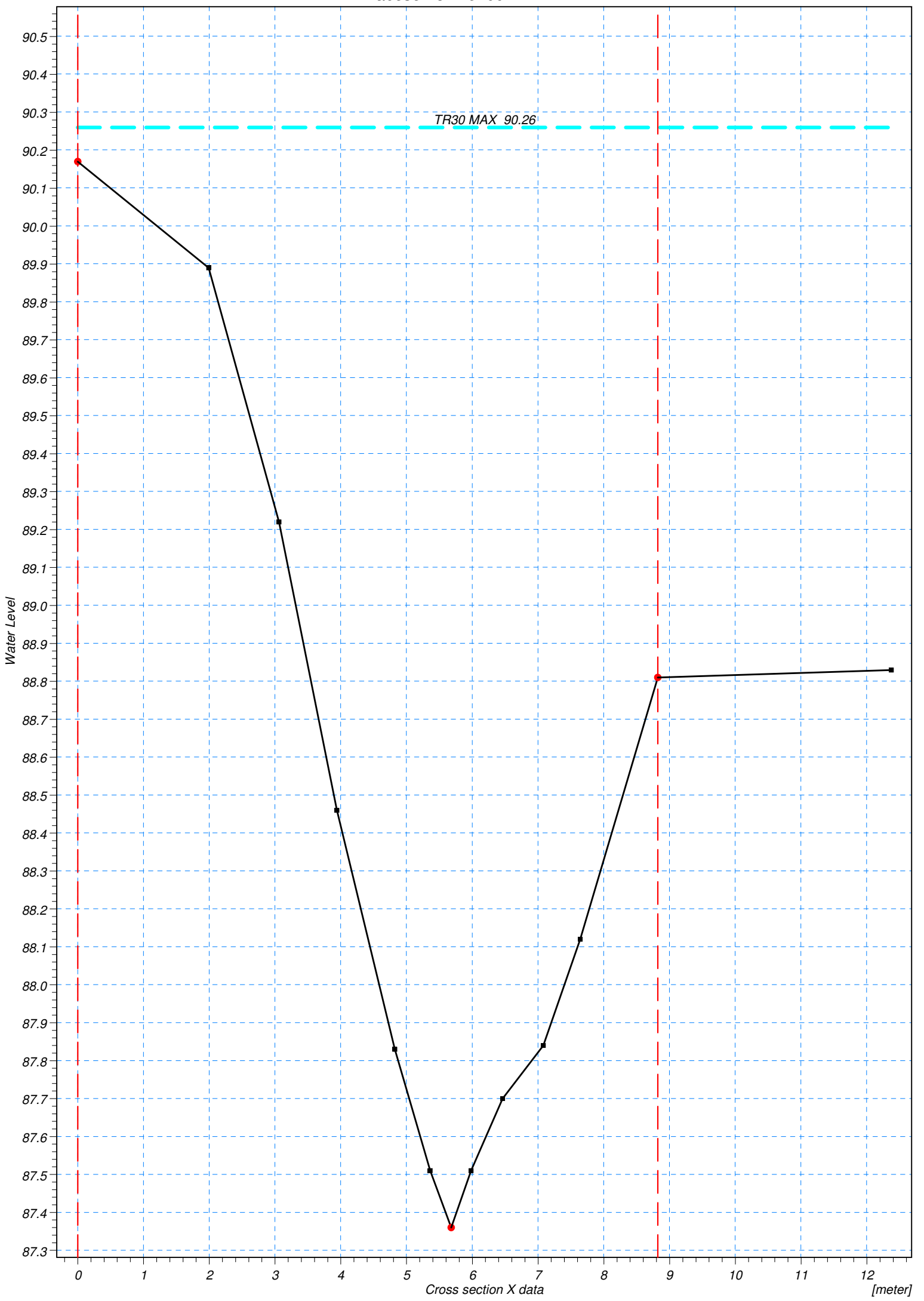


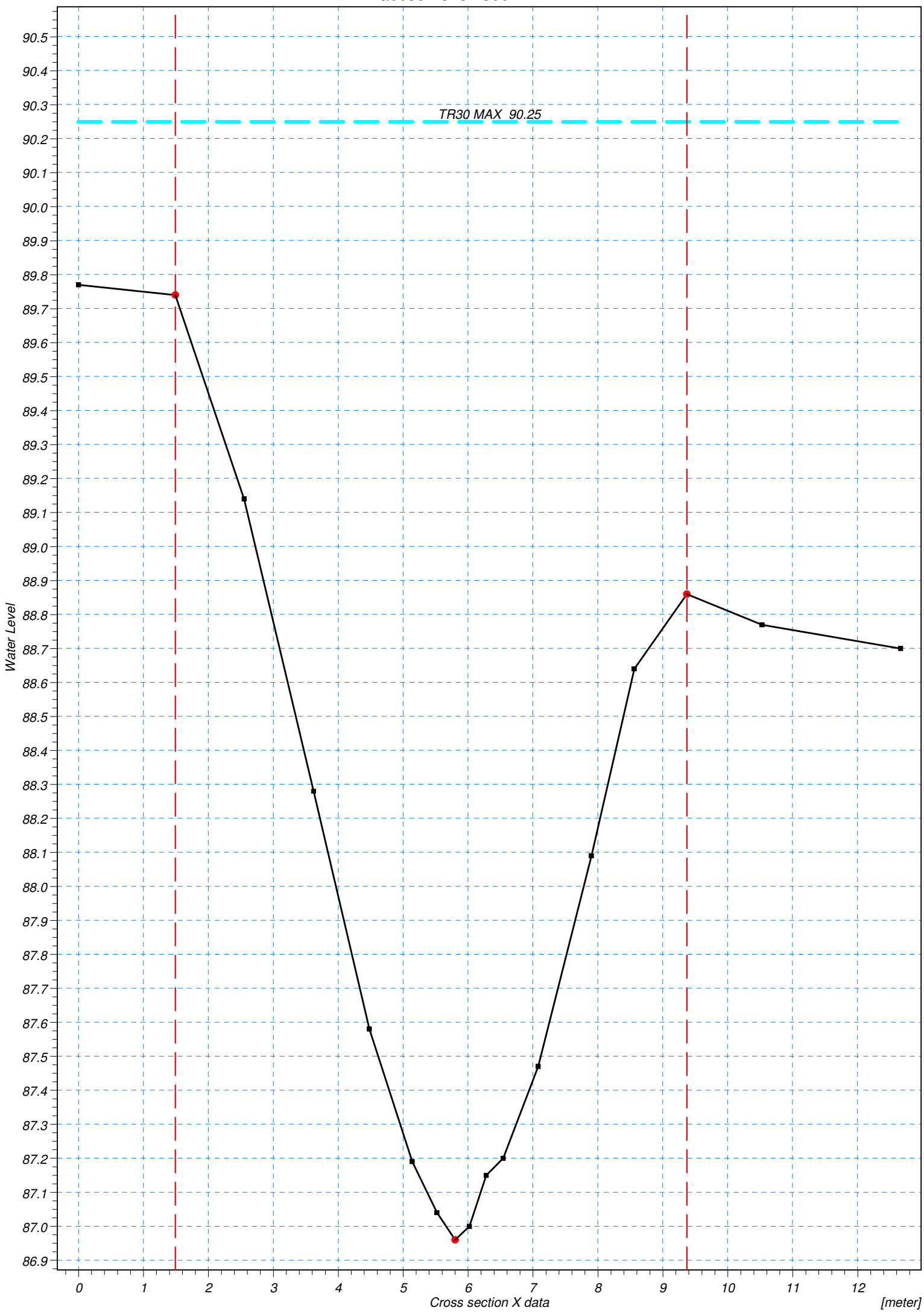


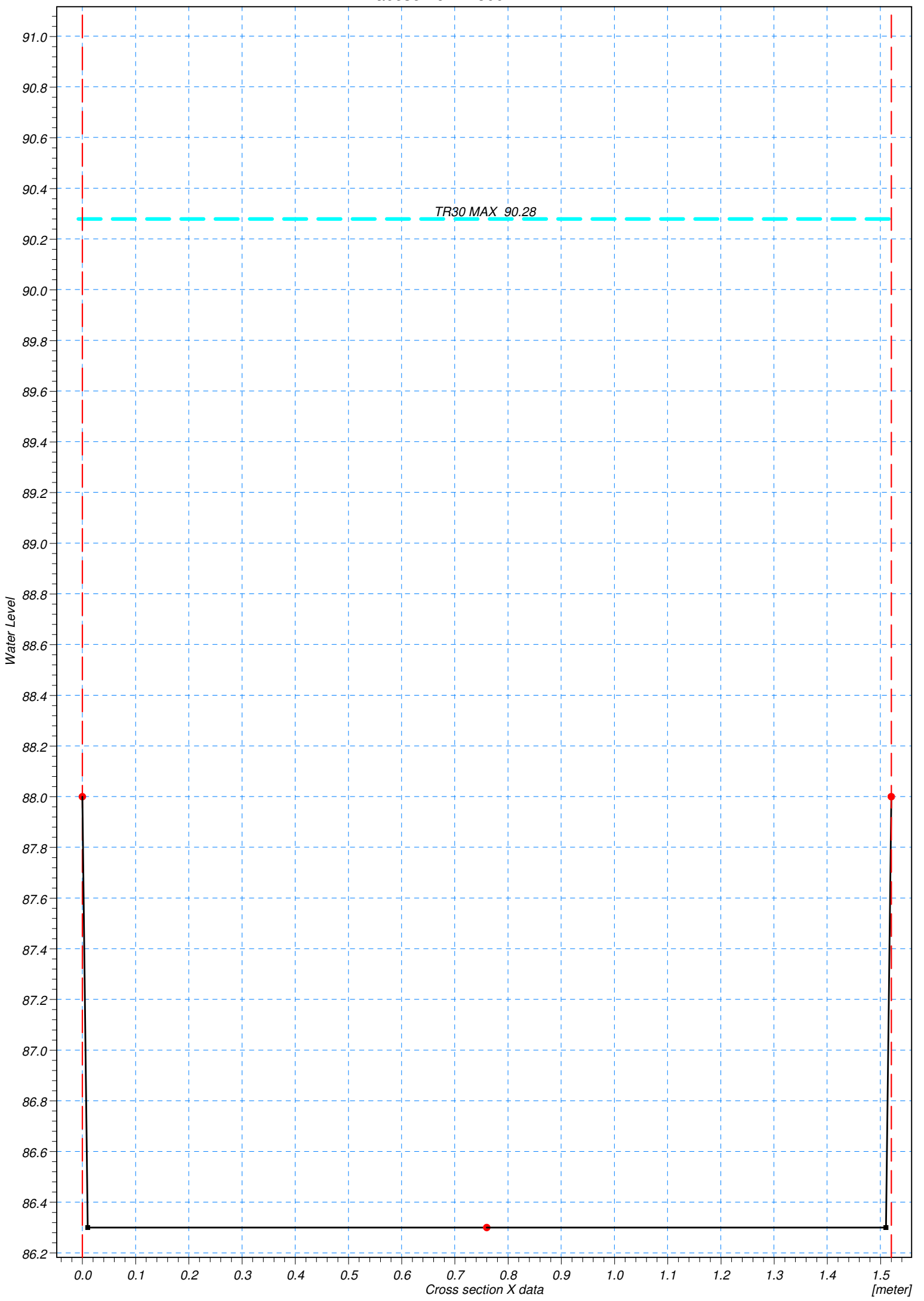




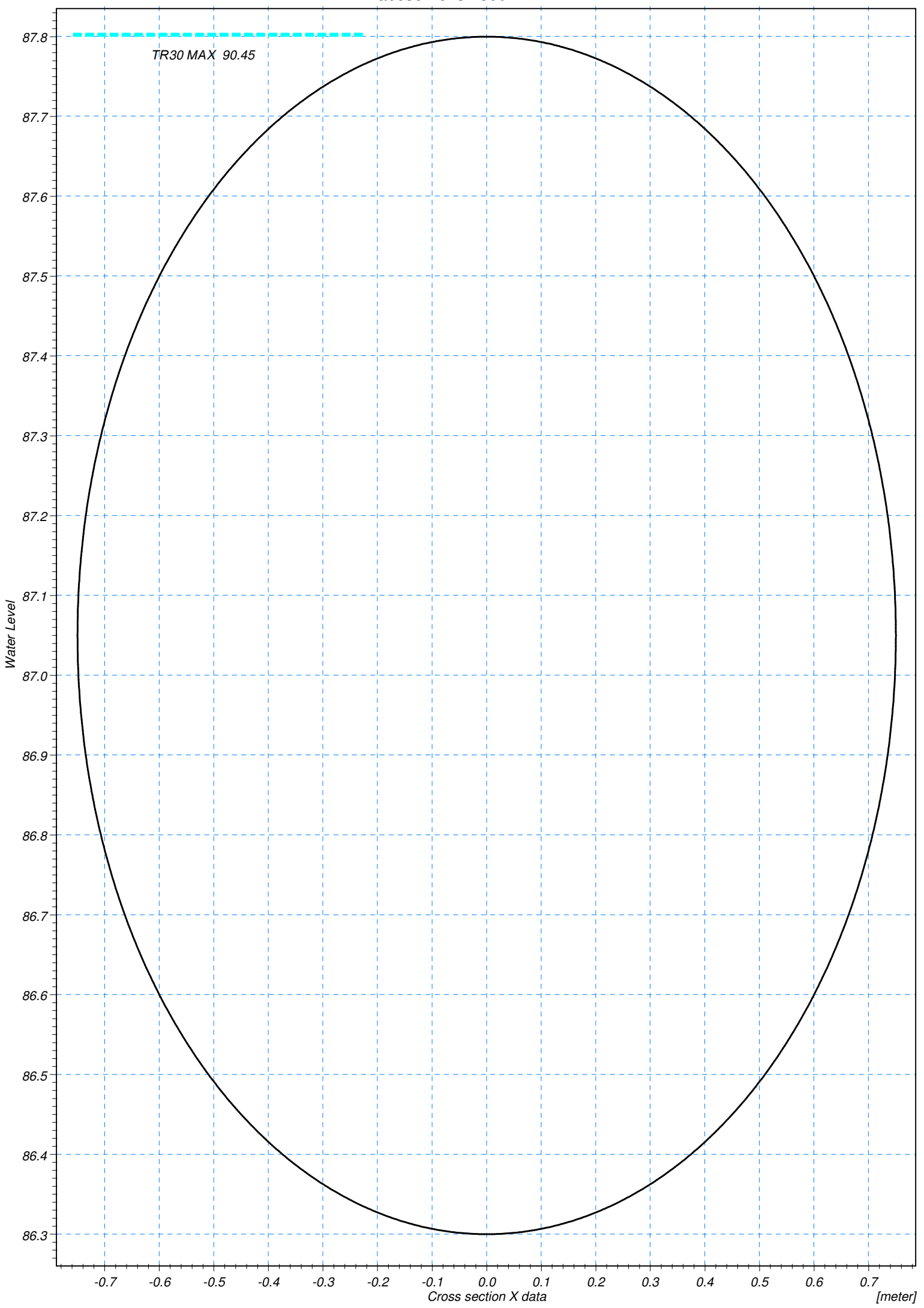




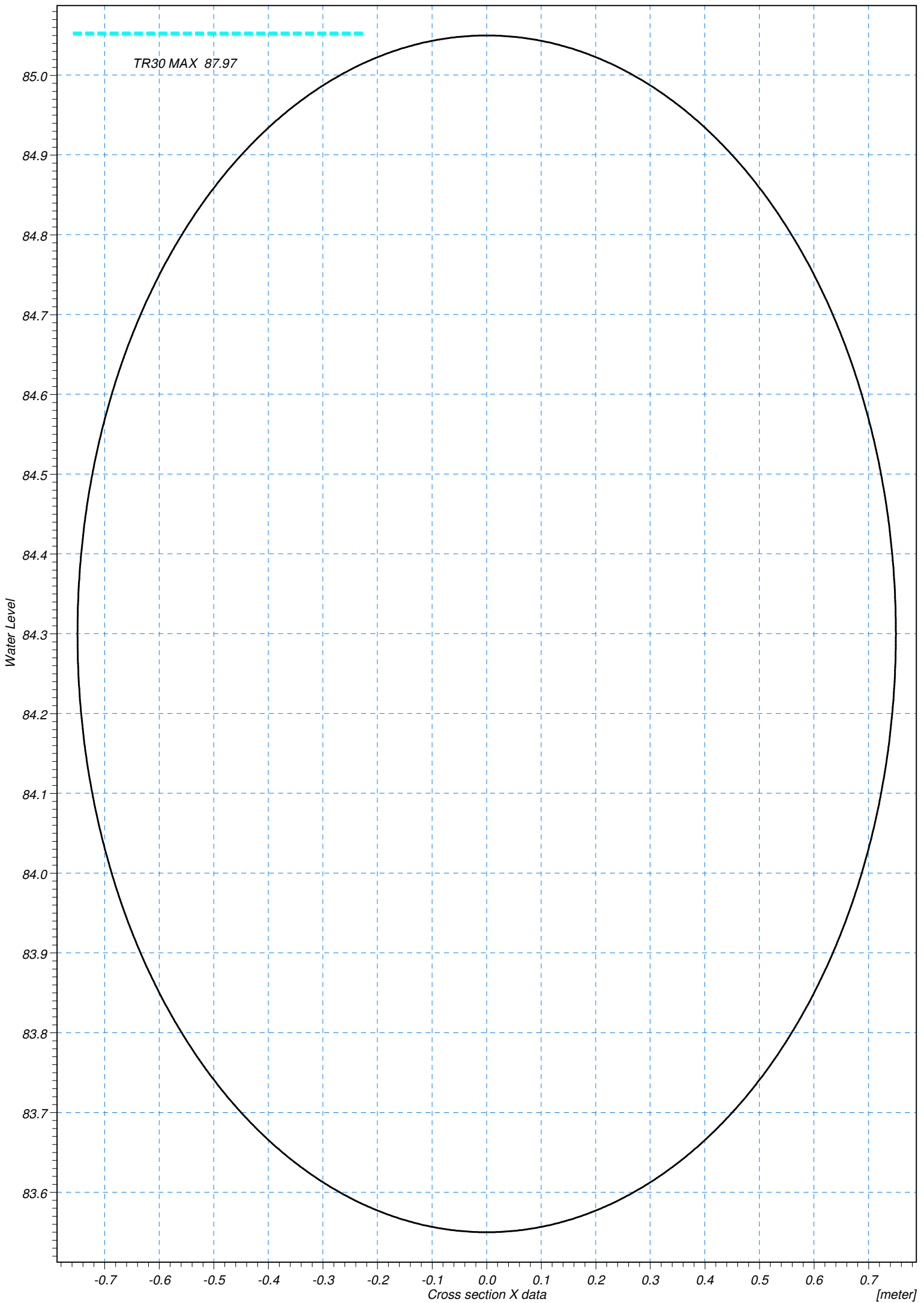


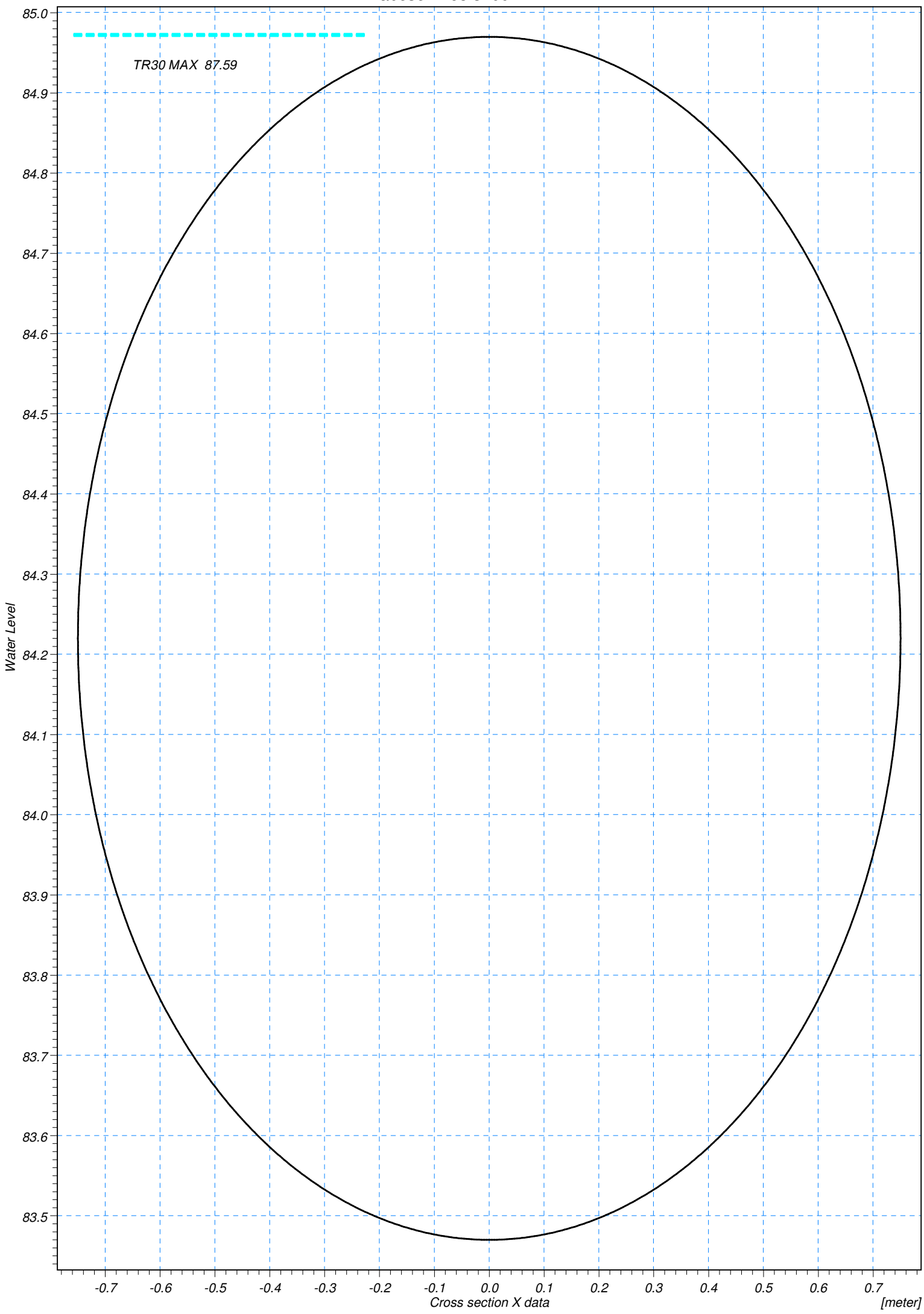


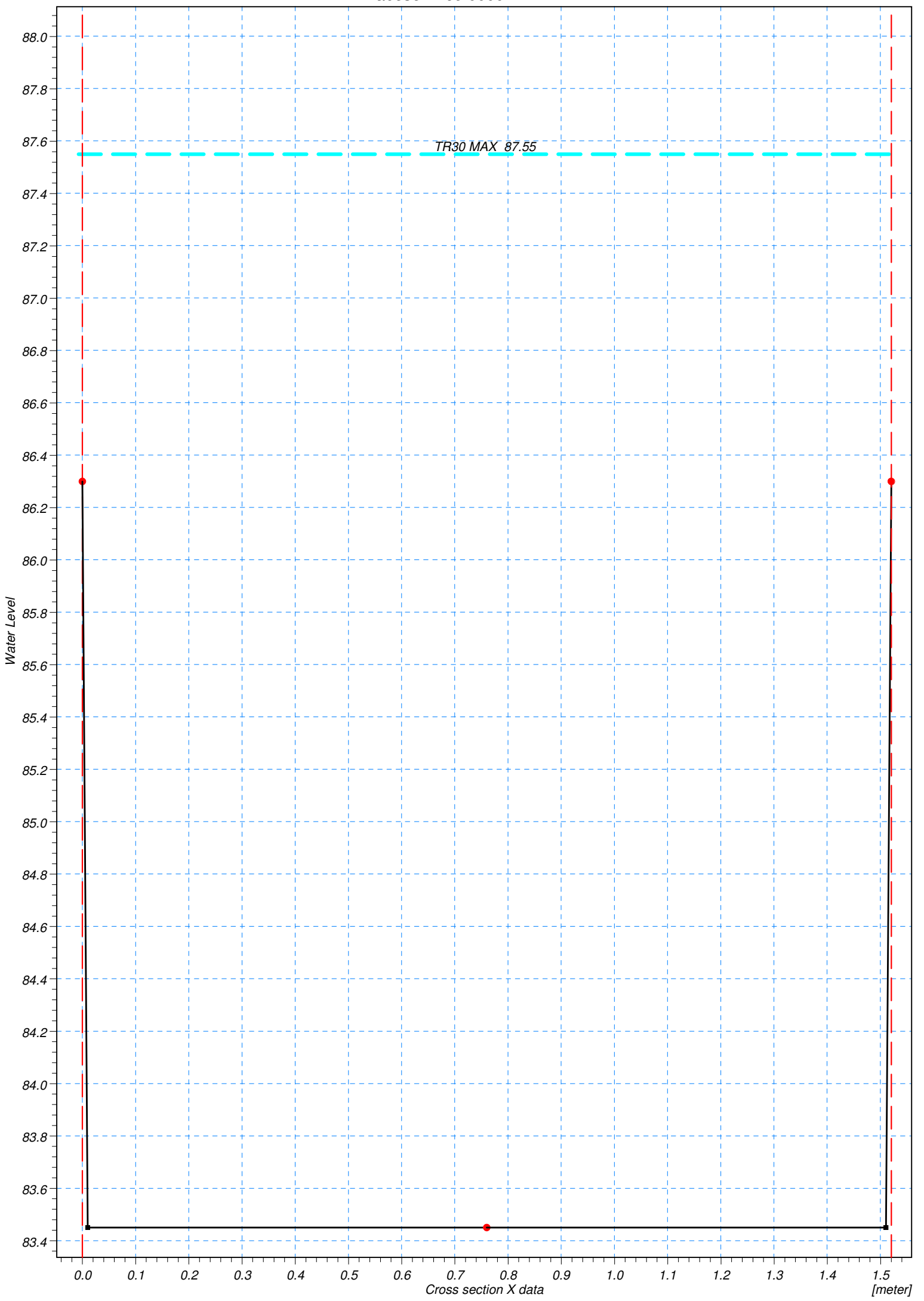
TR30 MAX 90.45

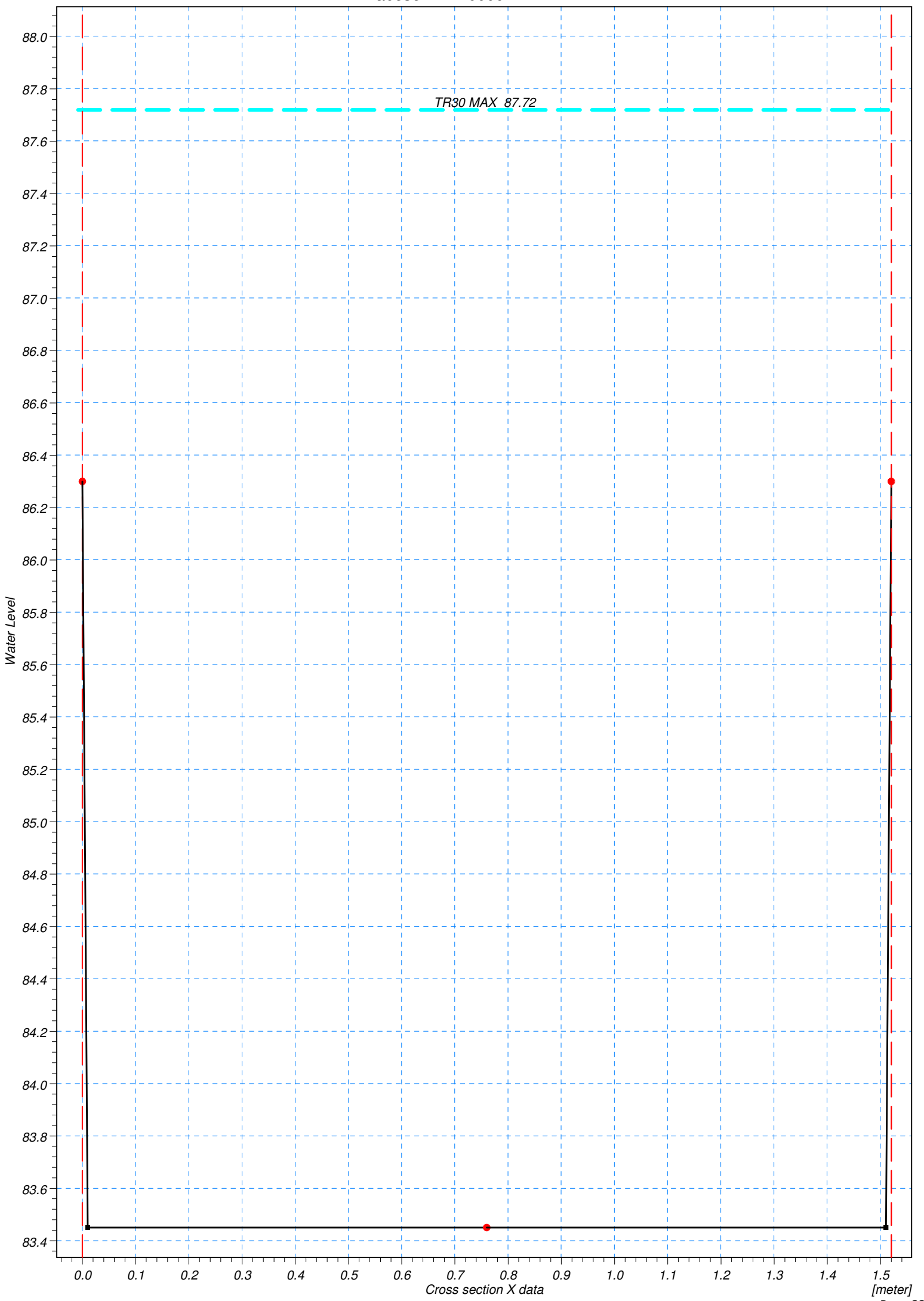


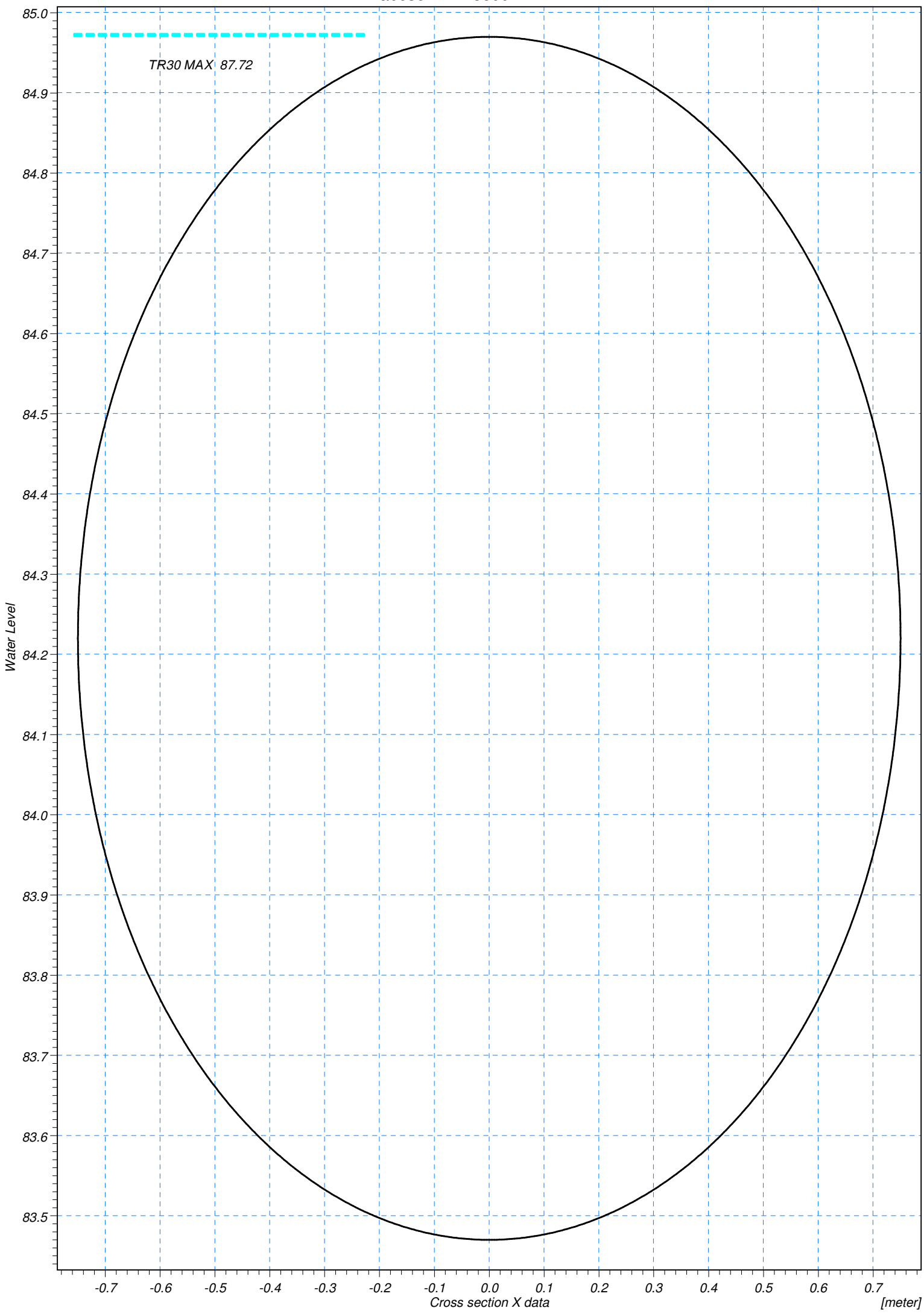
TR30 MAX 87.97



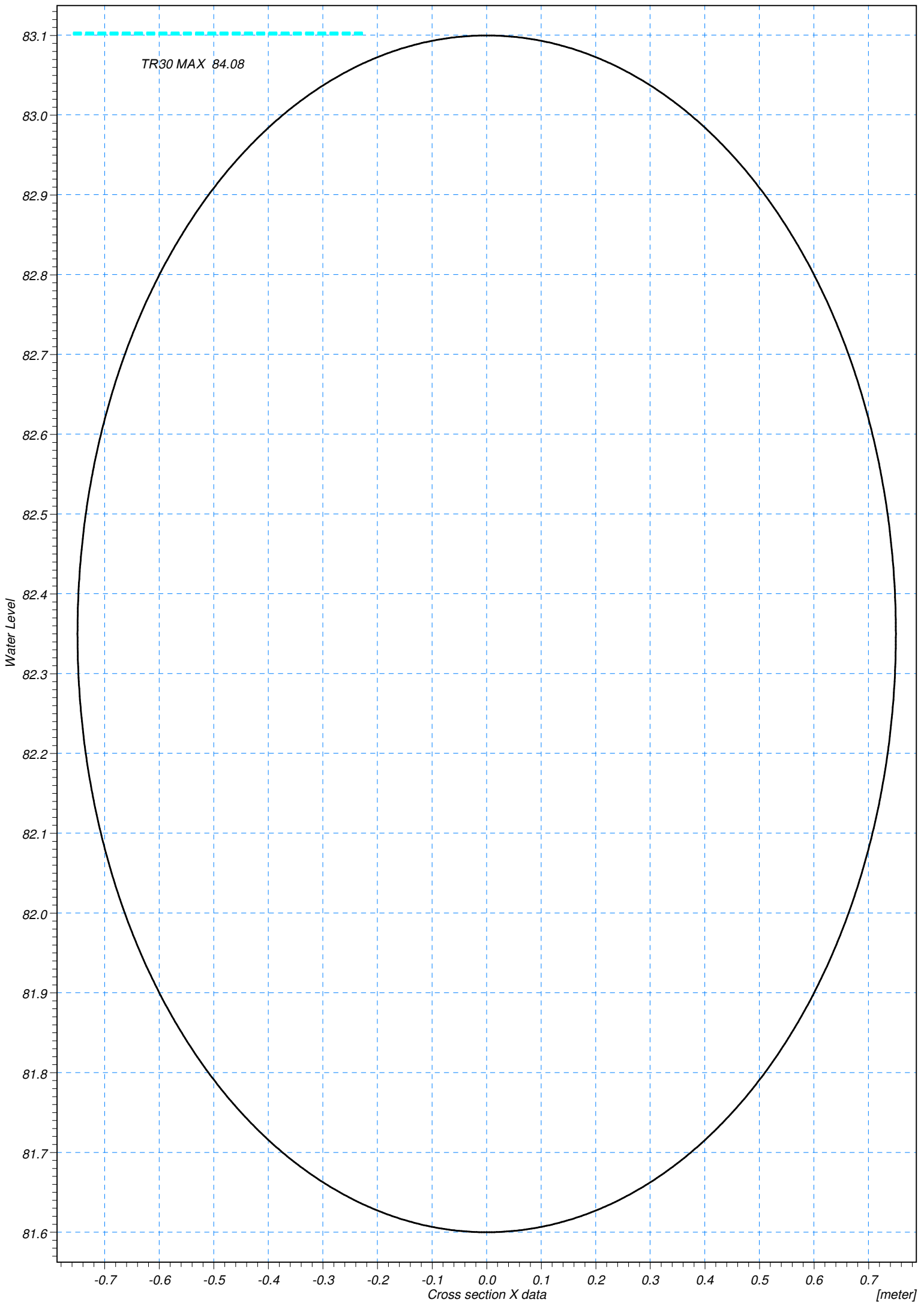


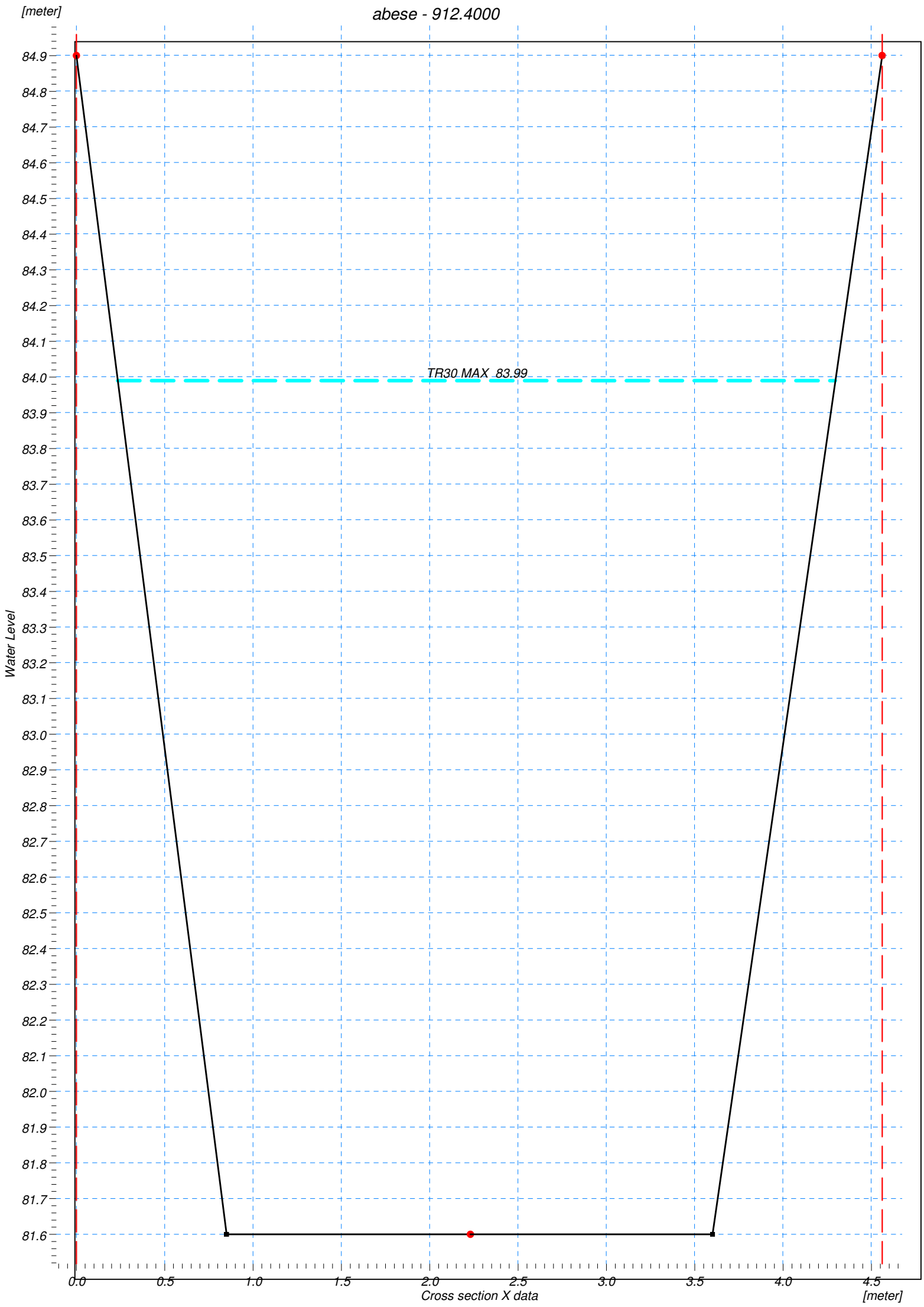


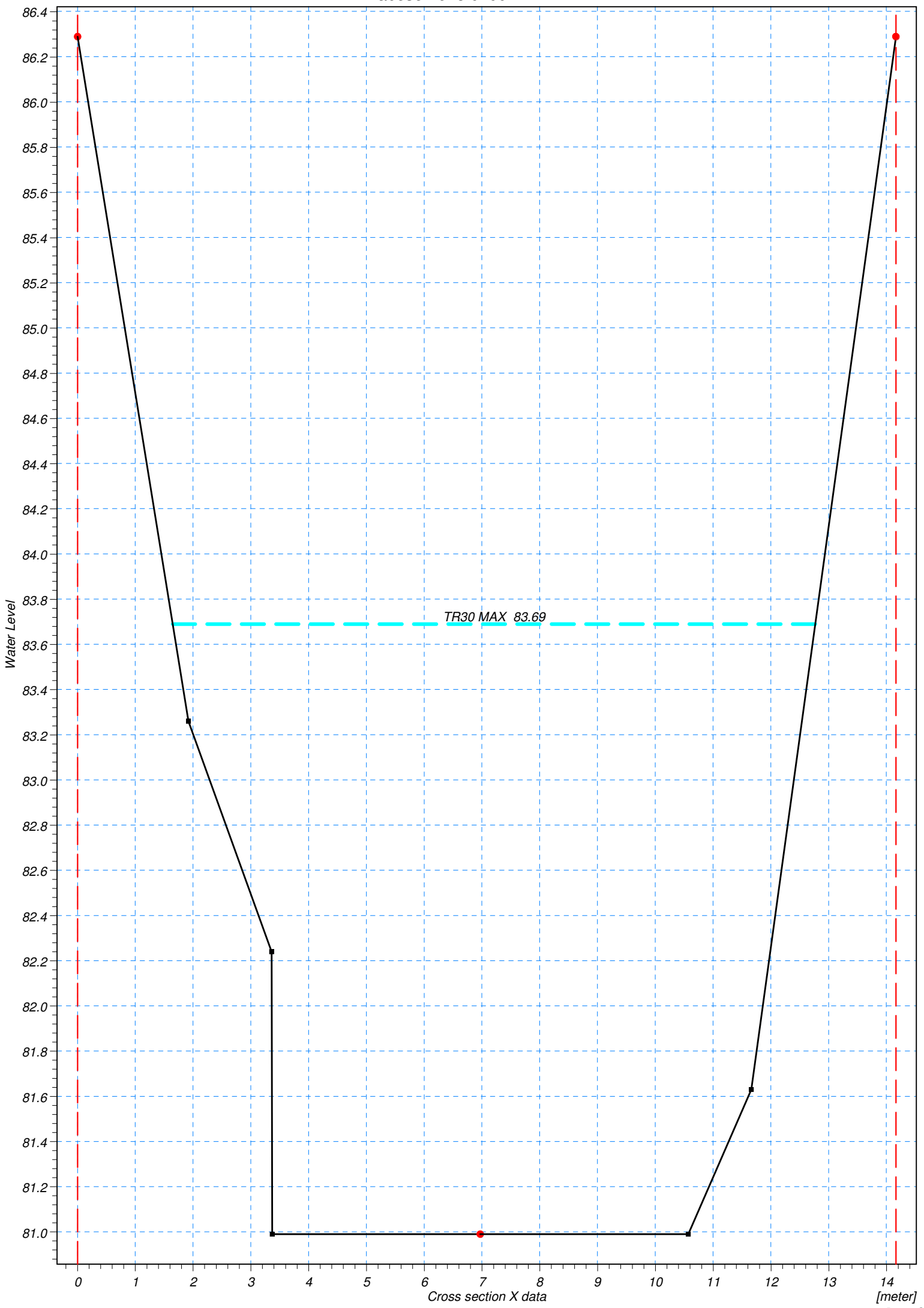


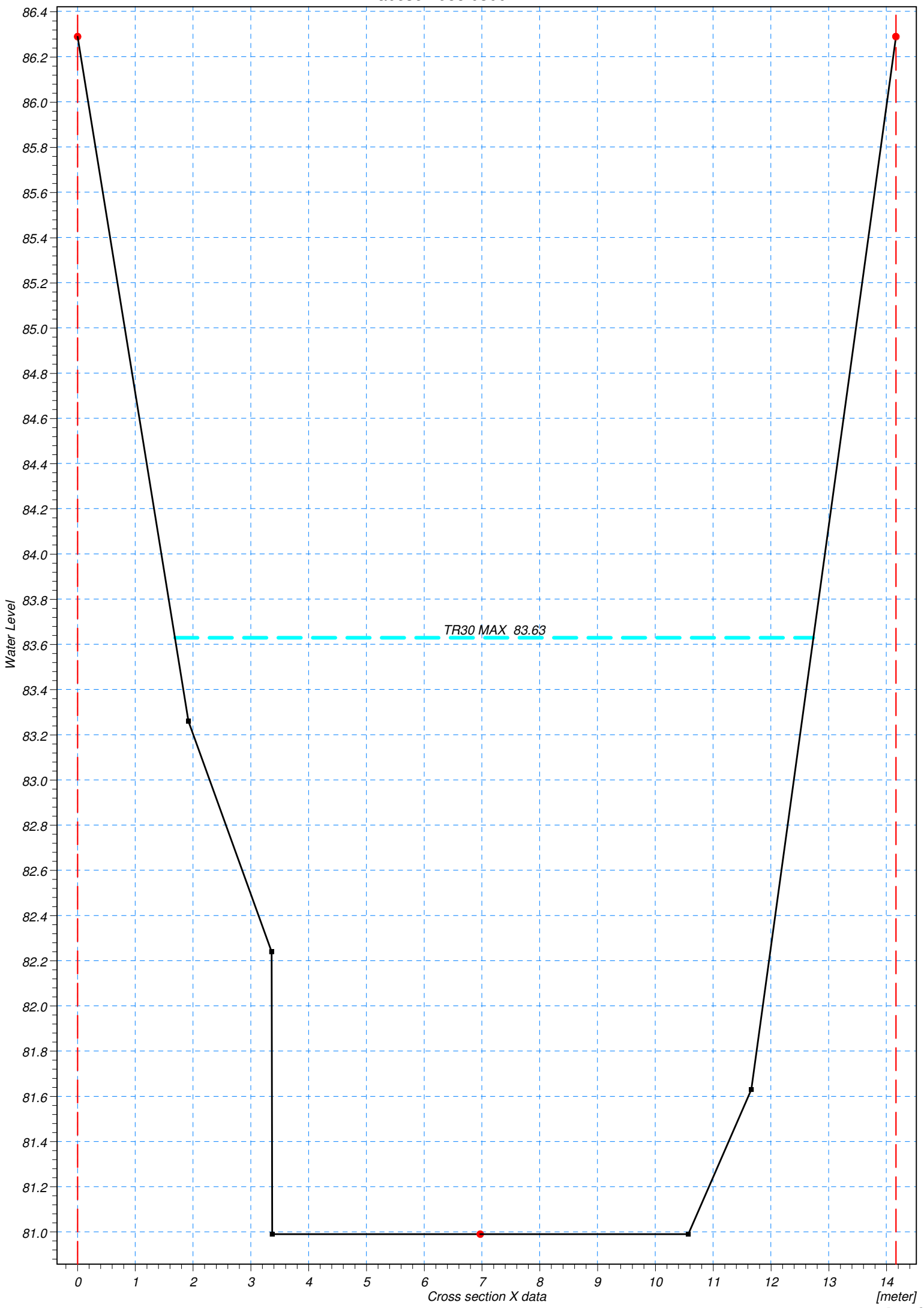


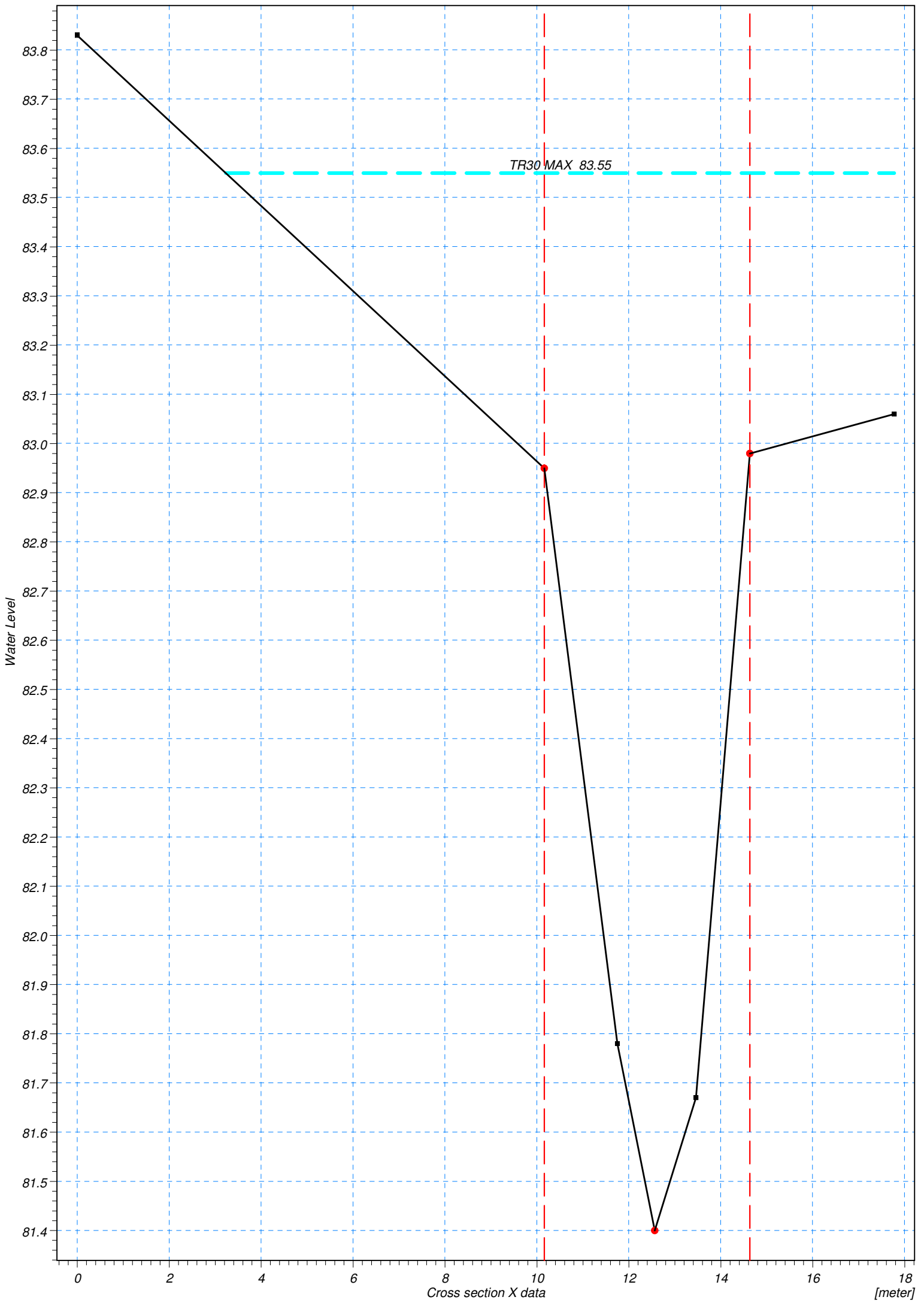
TR30 MAX 84.08

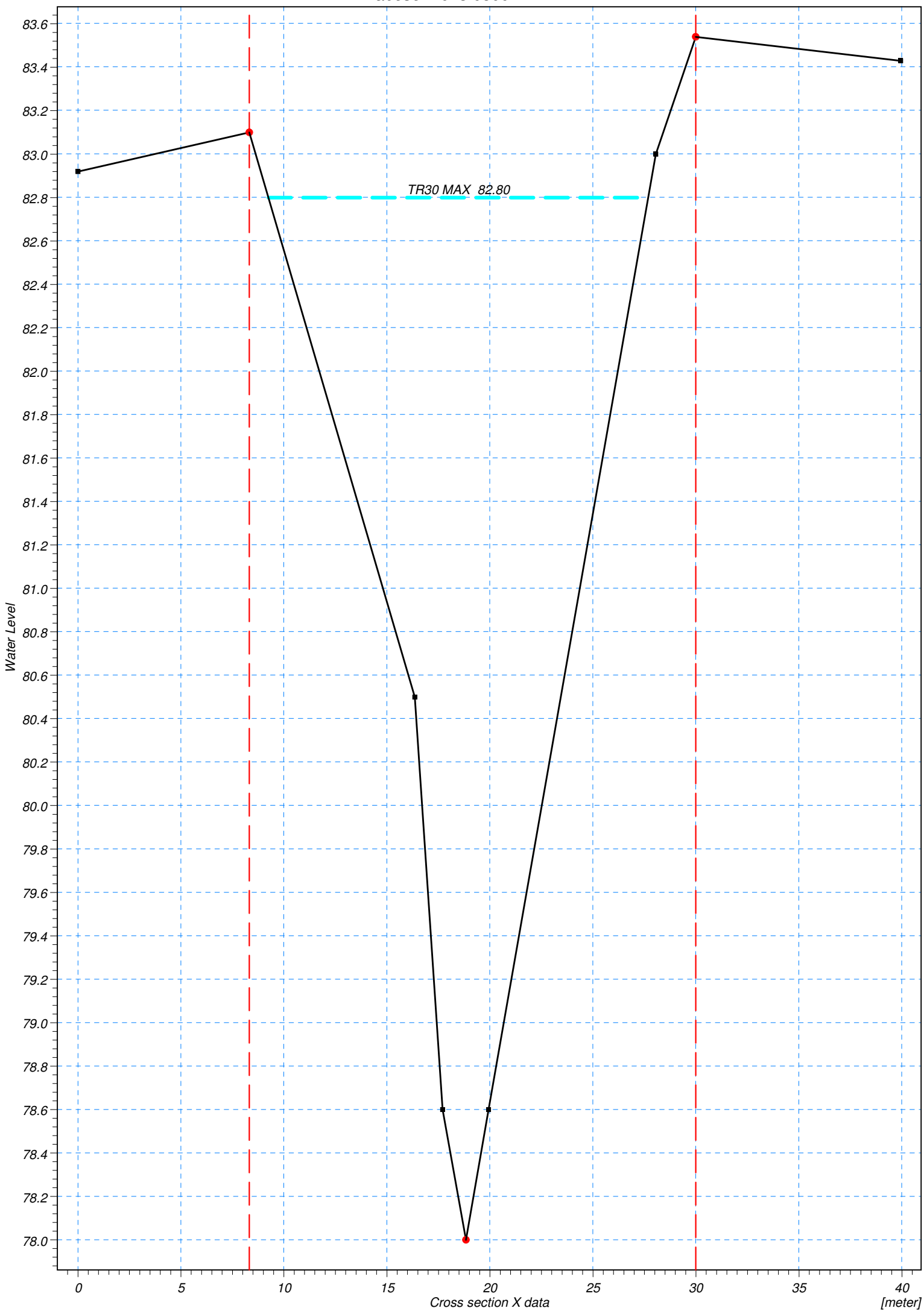


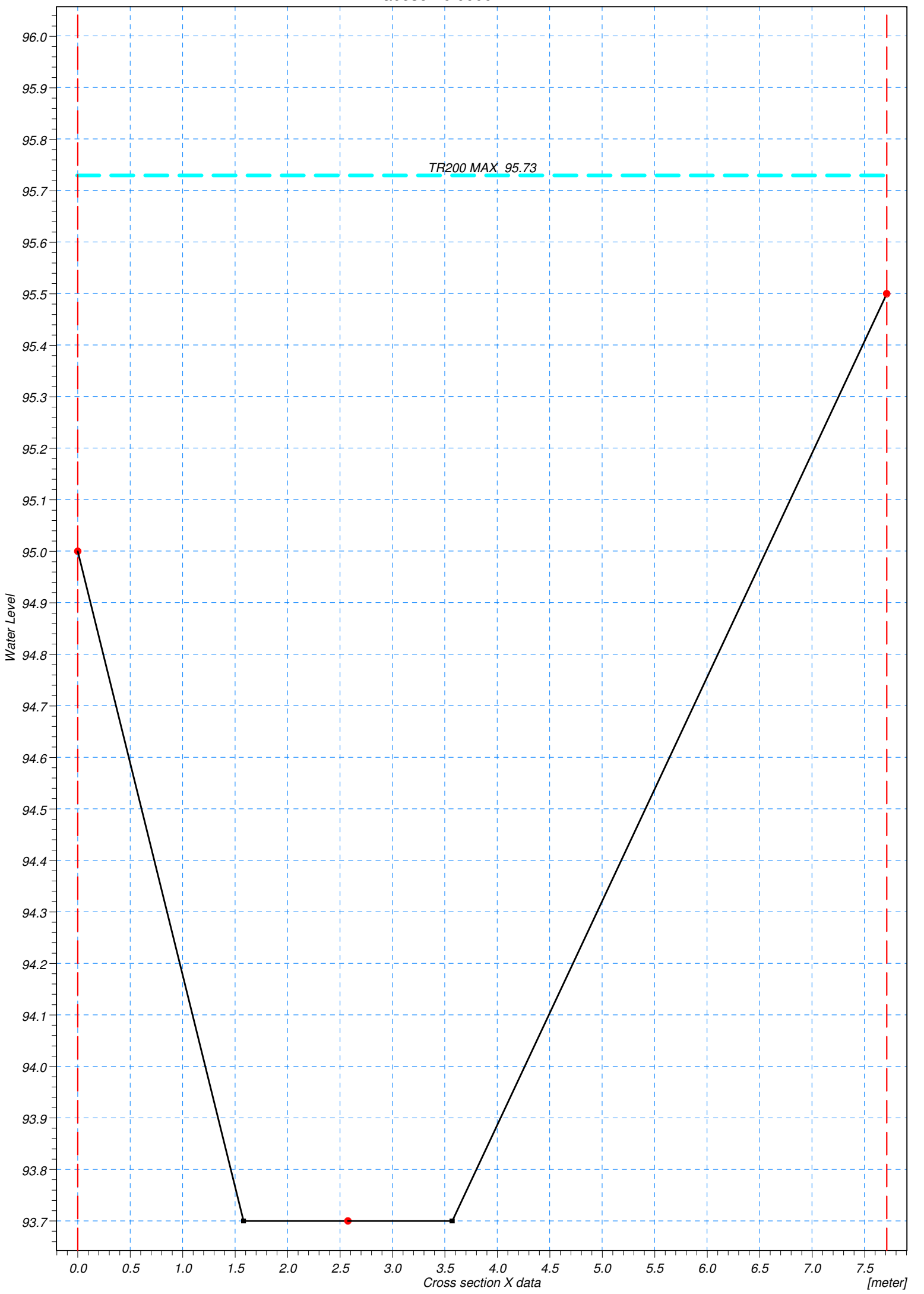


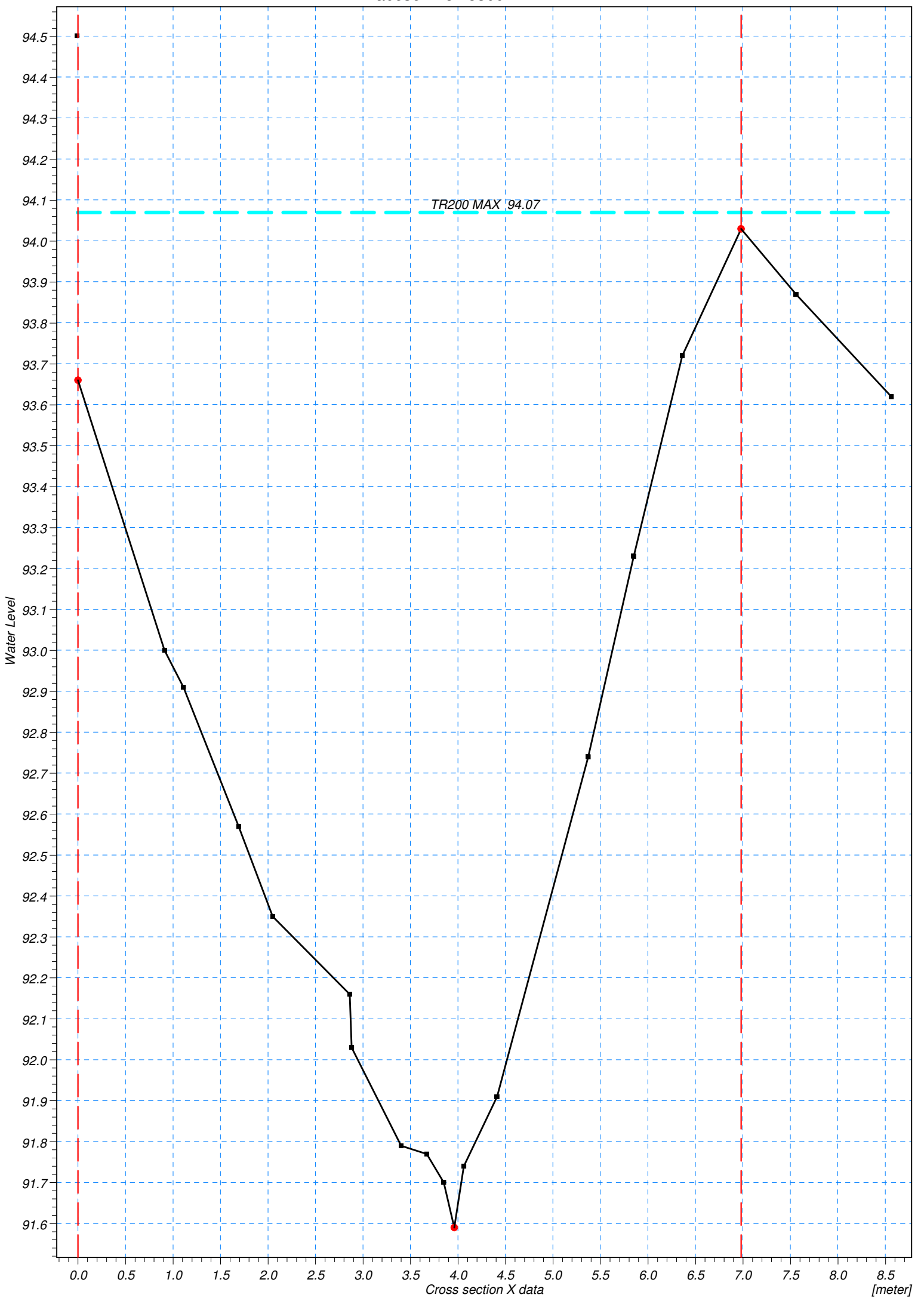




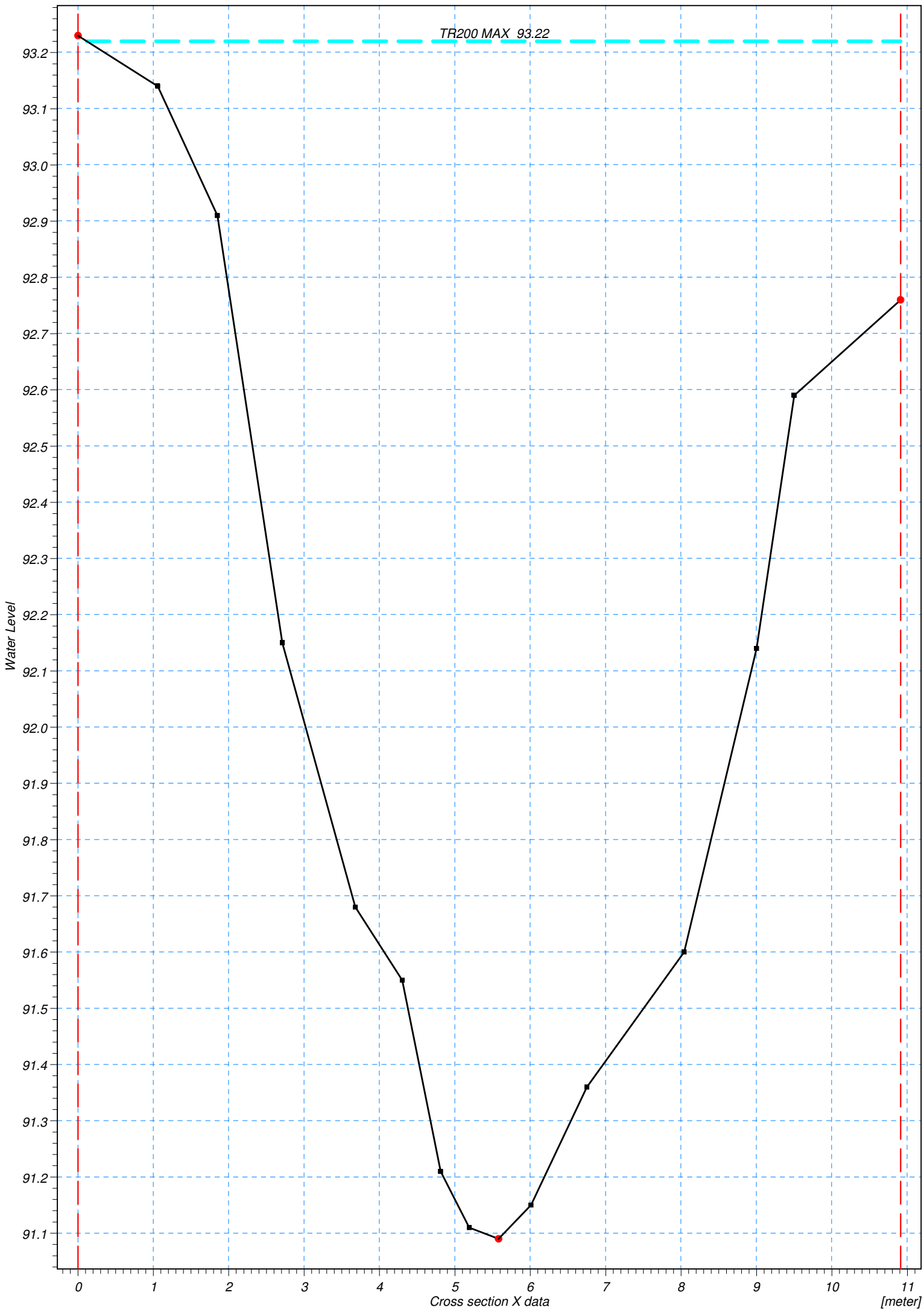


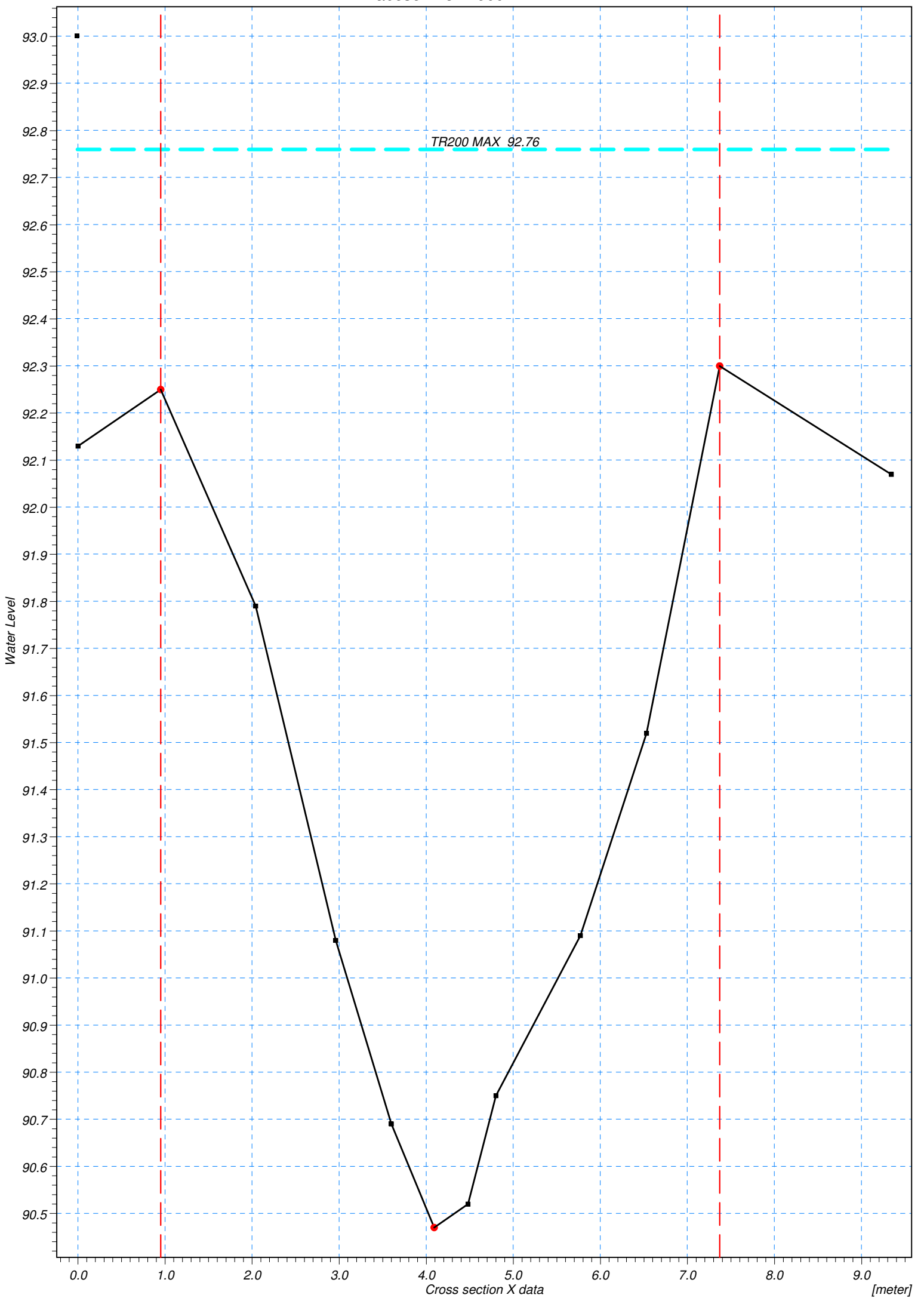


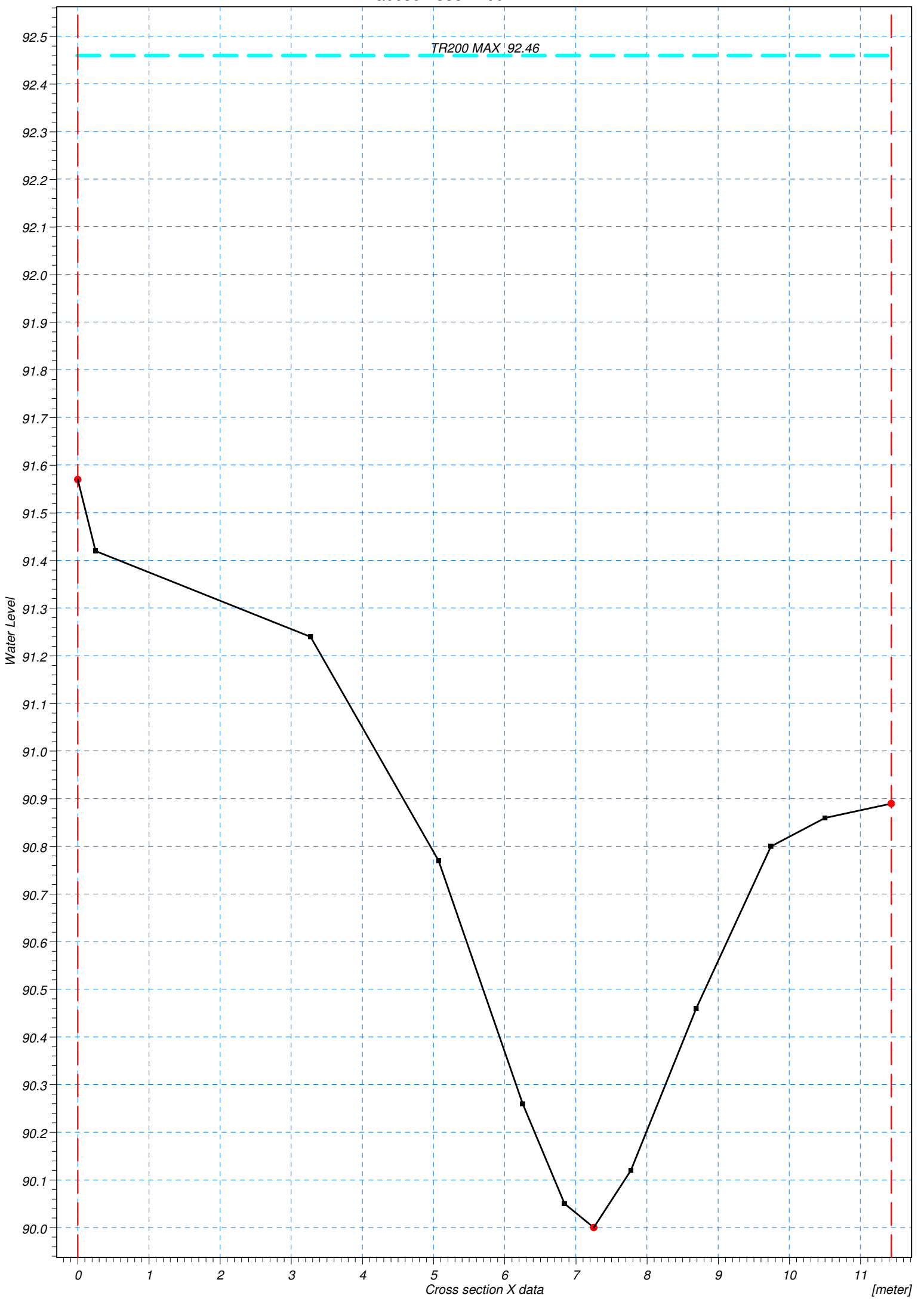


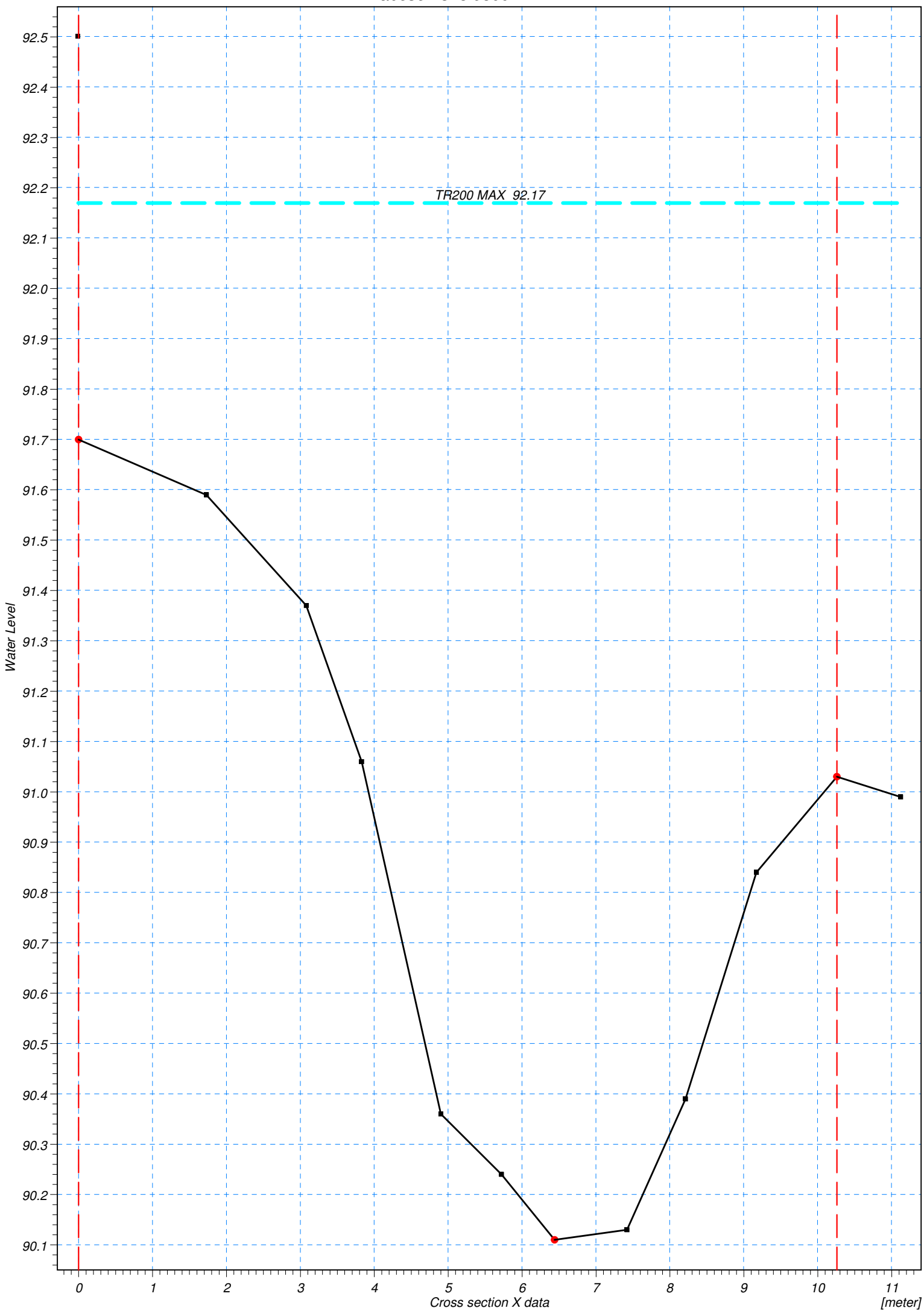


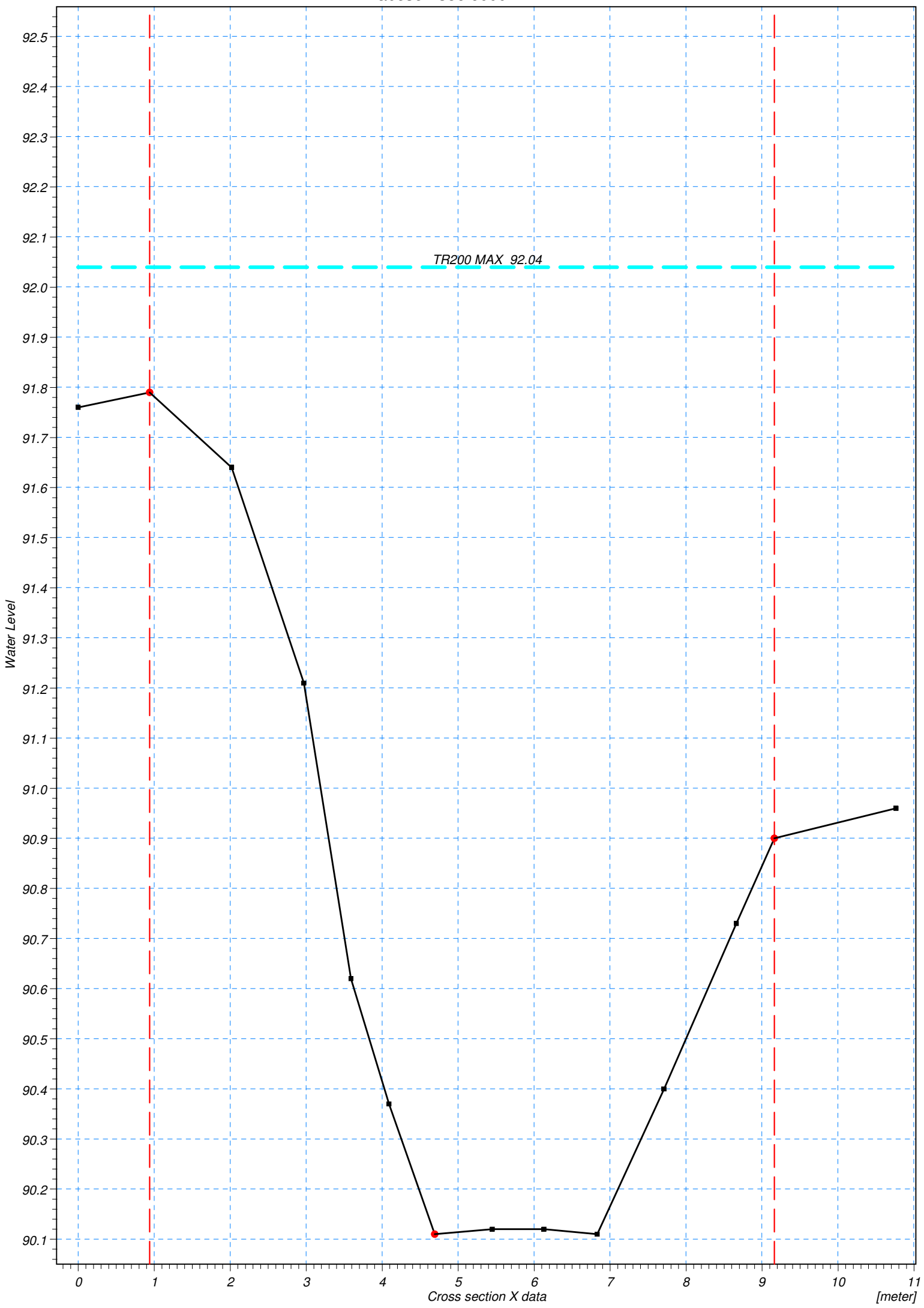
TR200 MAX 93.22

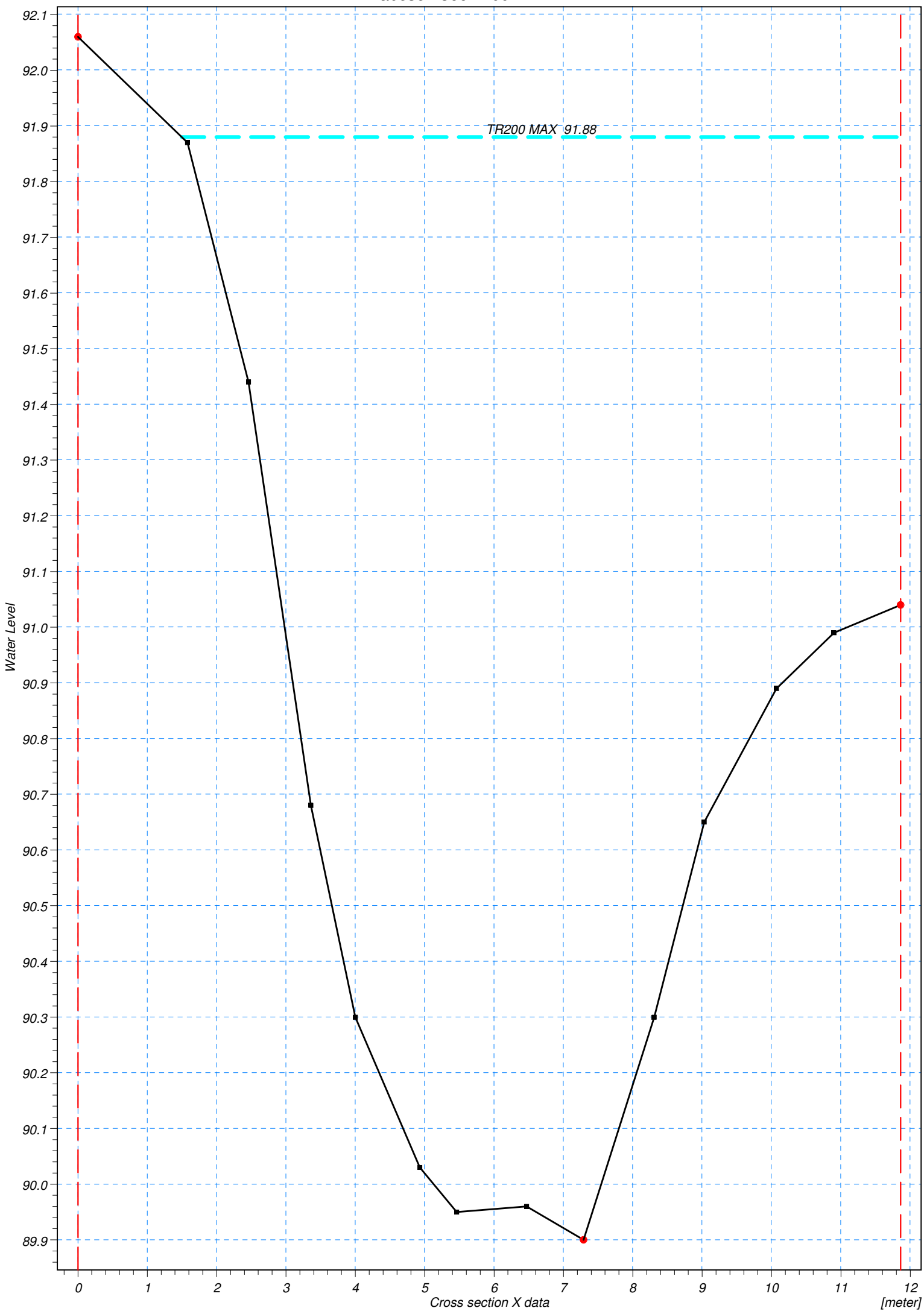


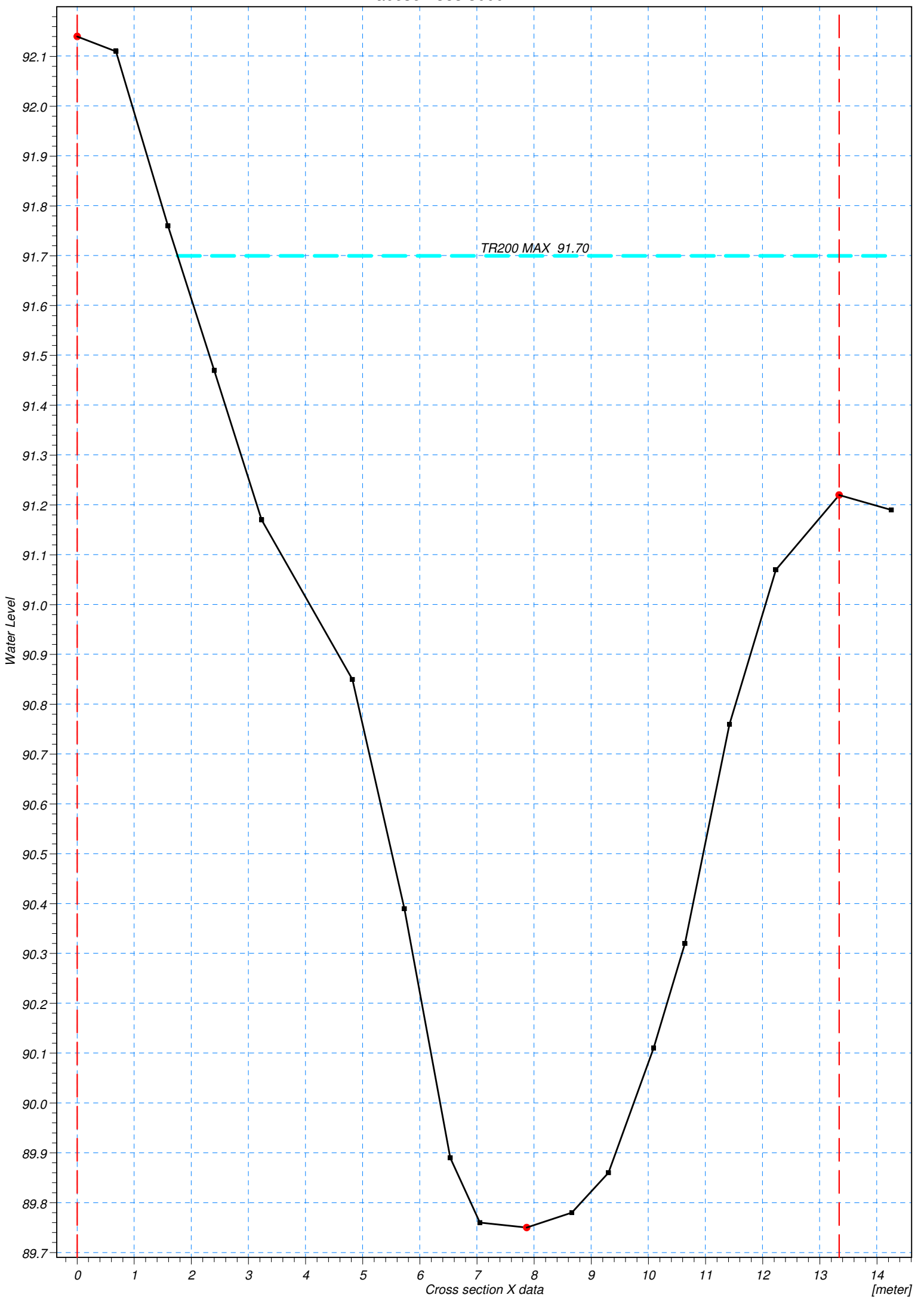


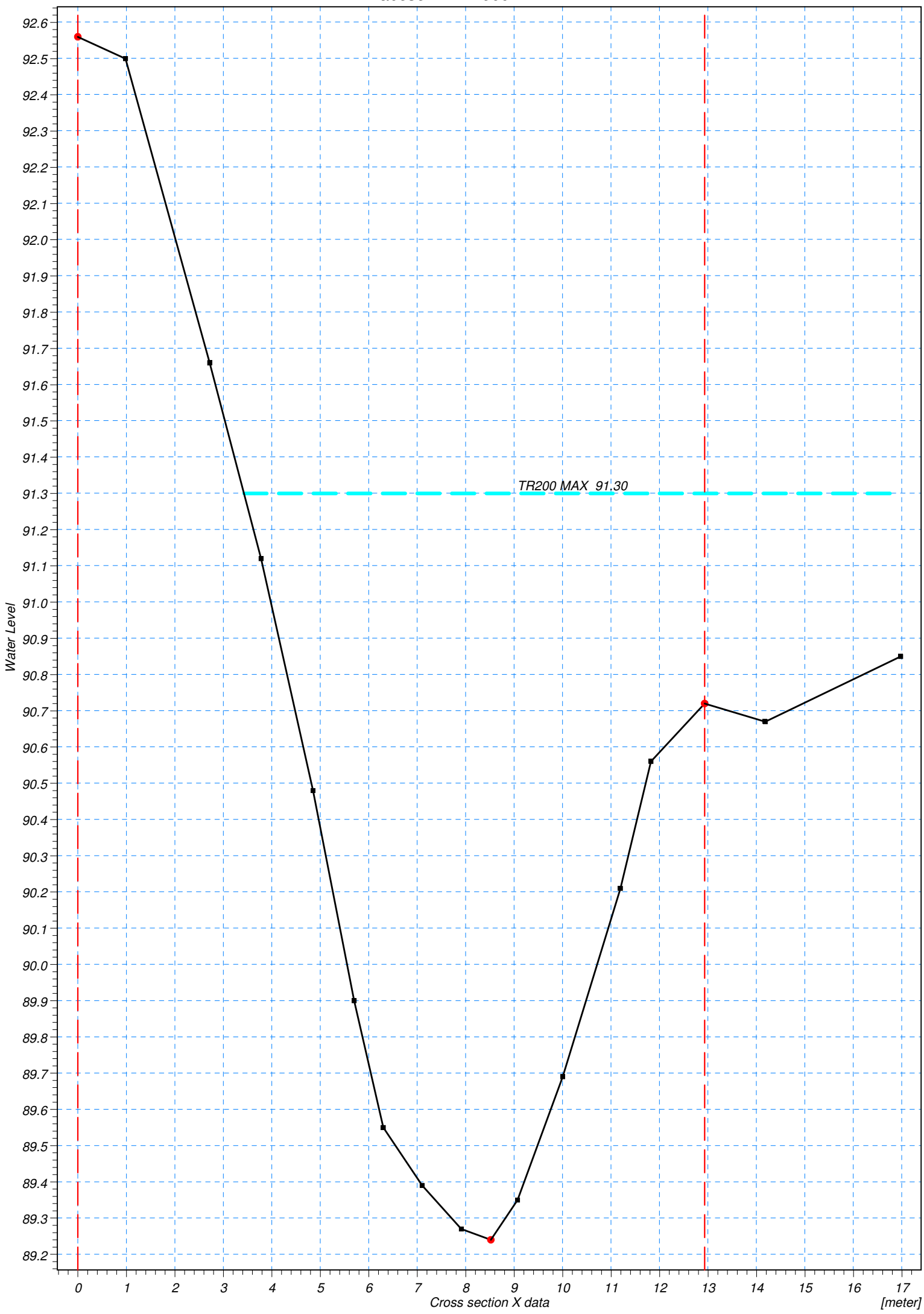


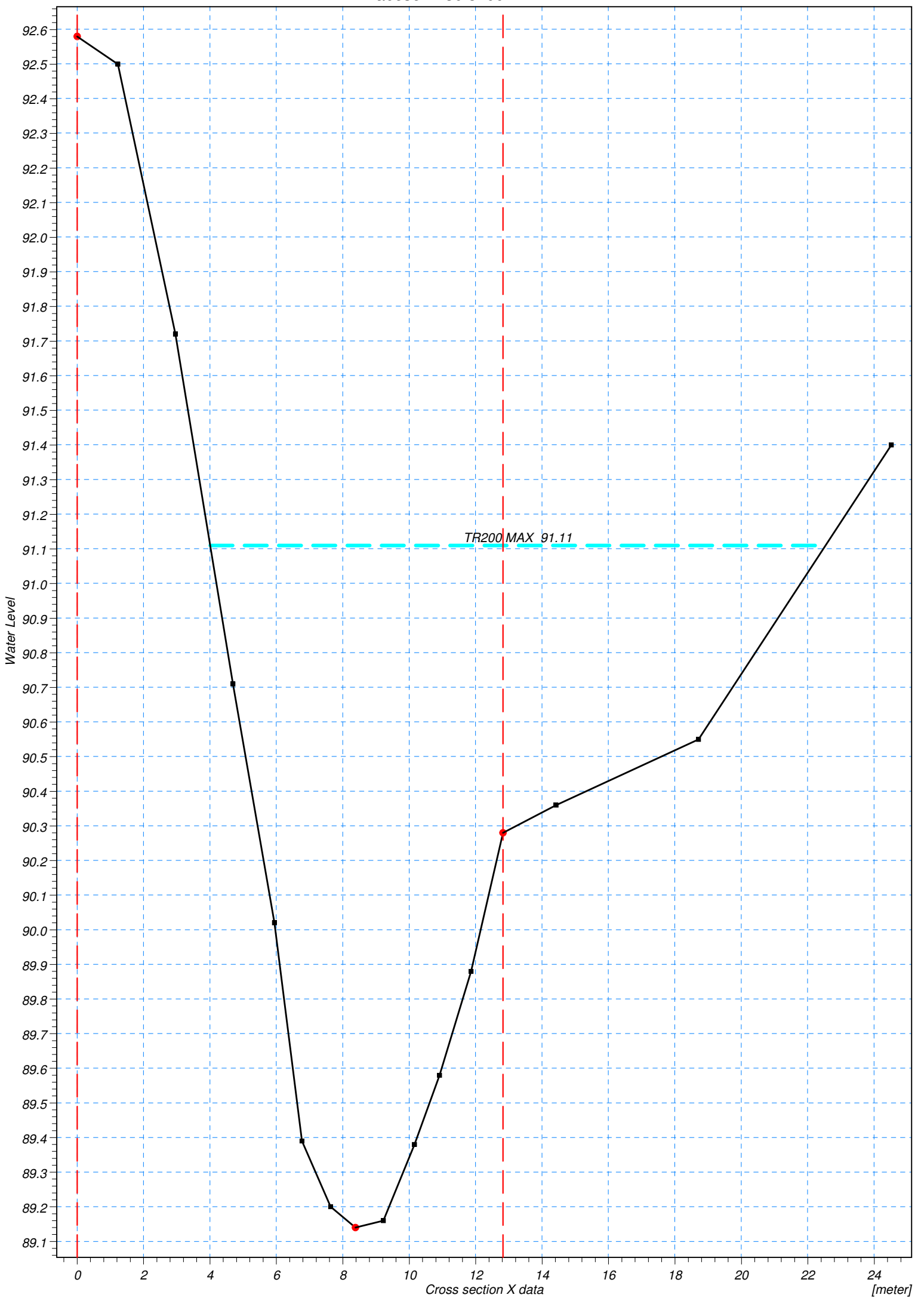


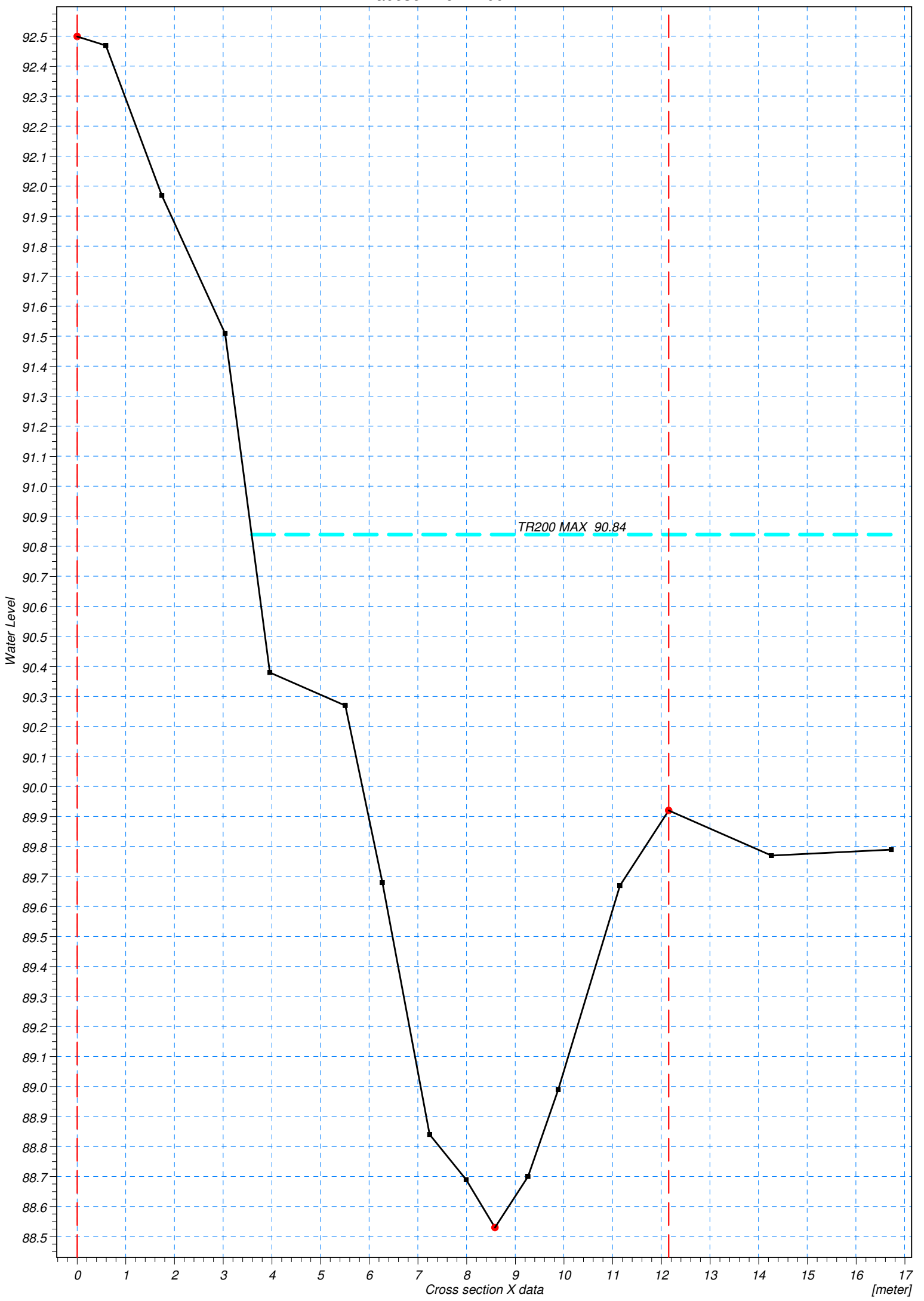


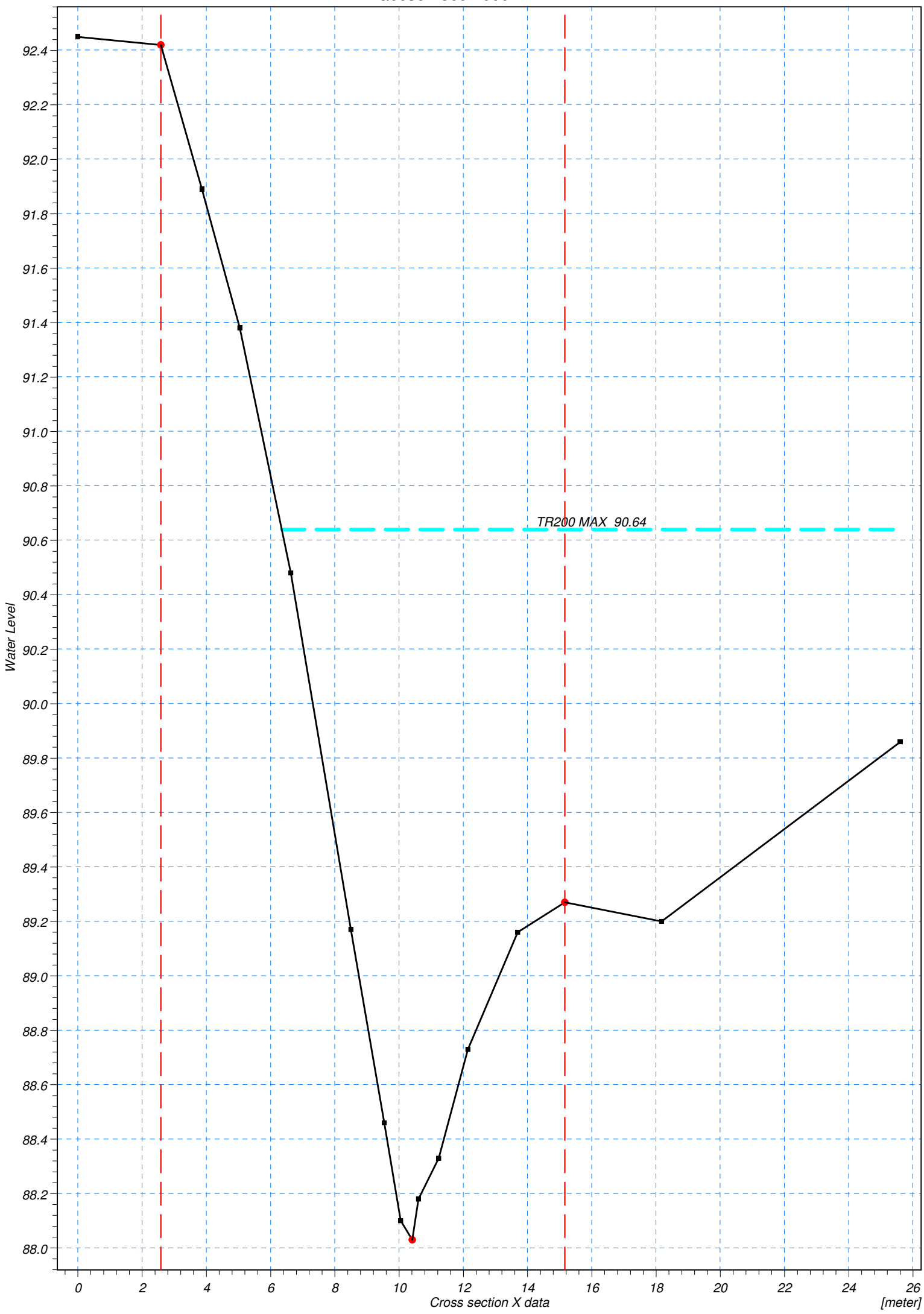


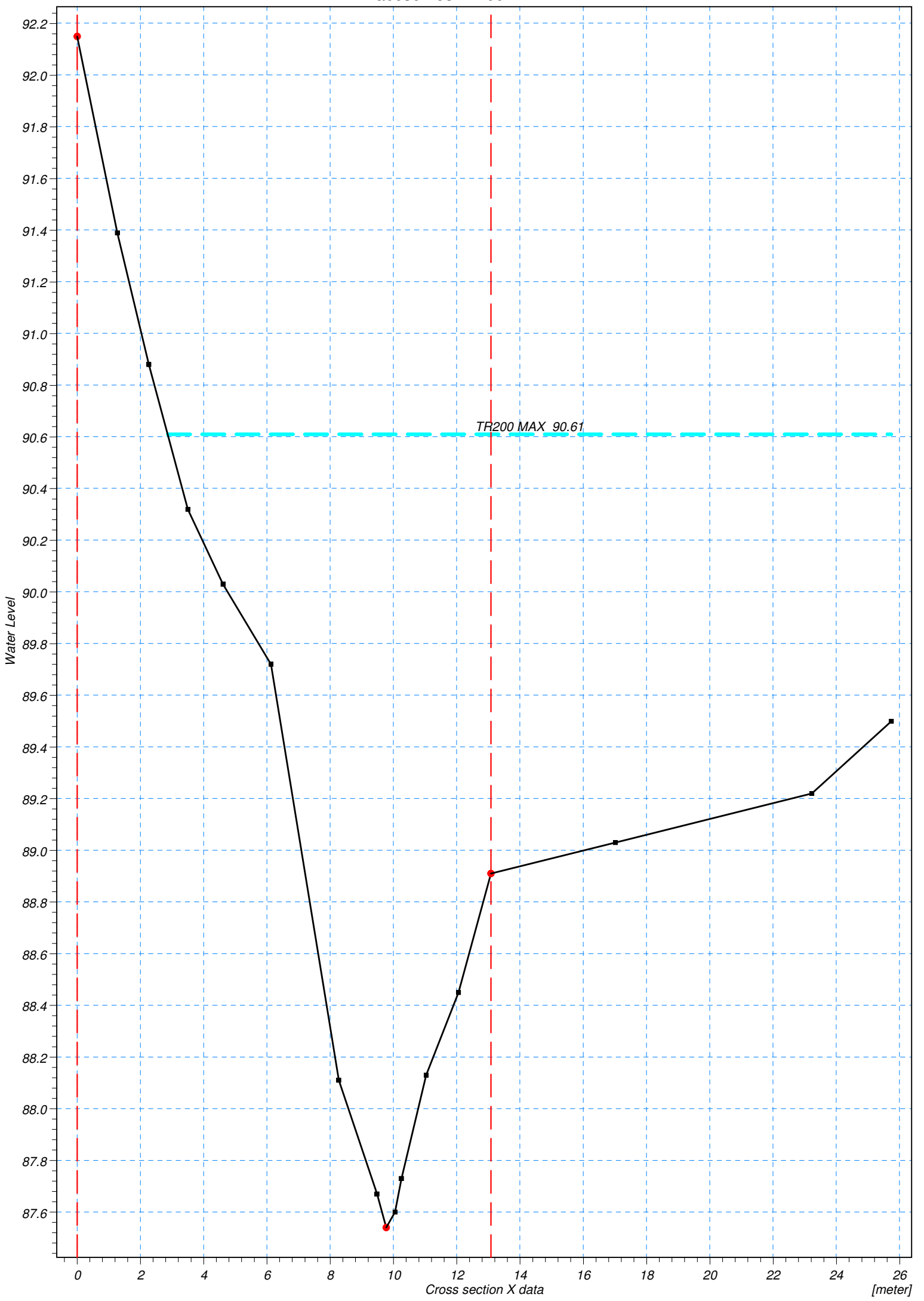


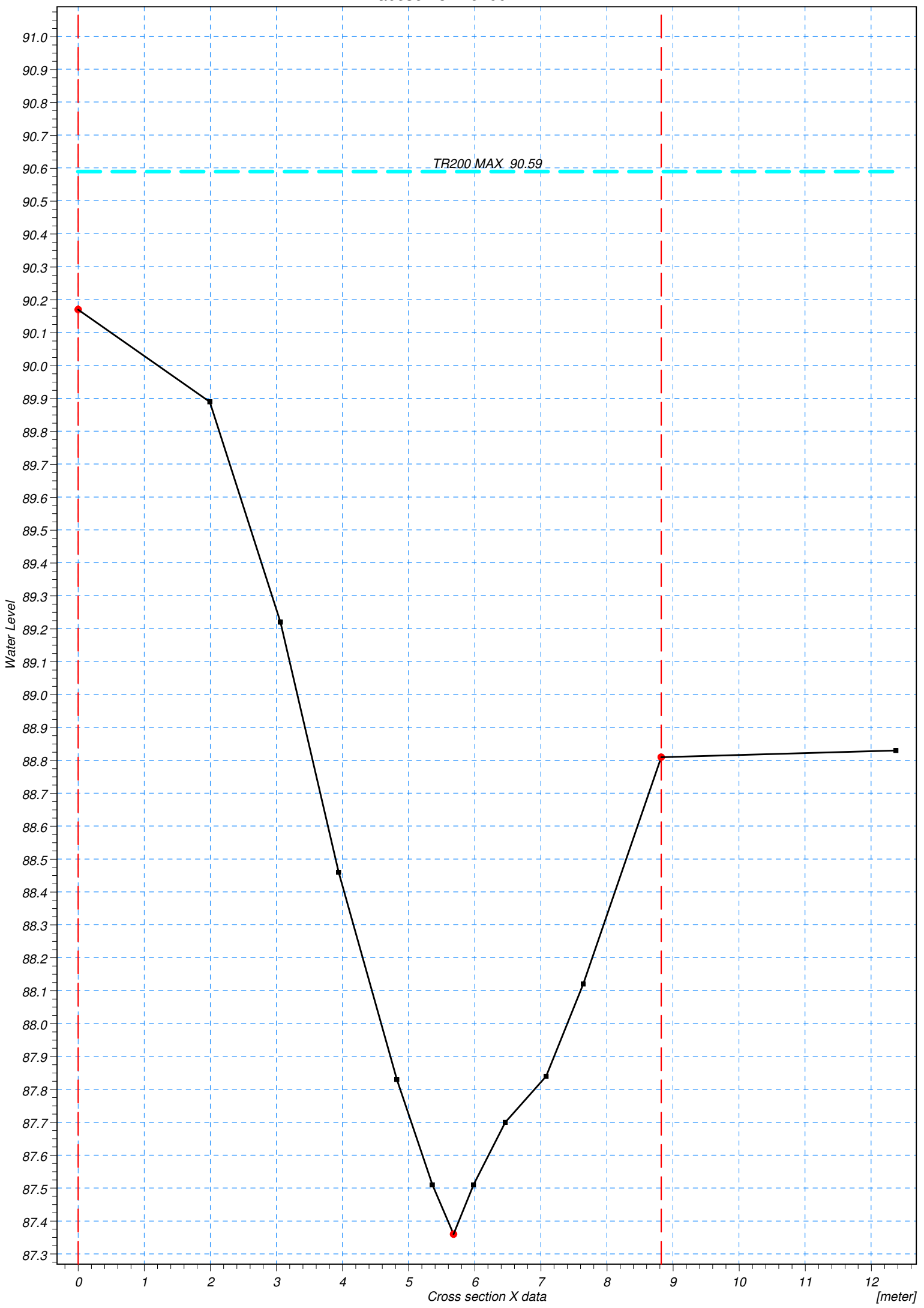


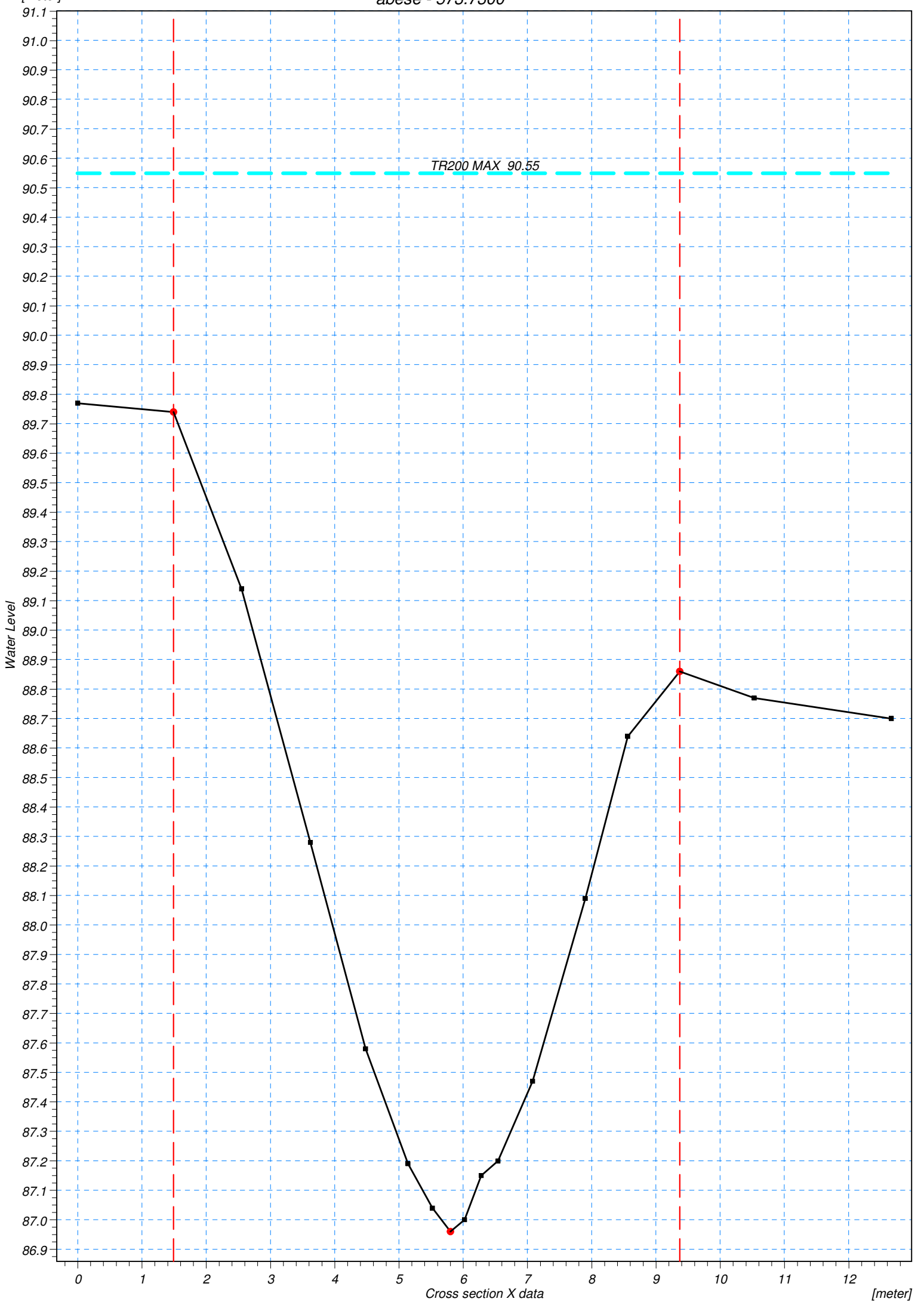


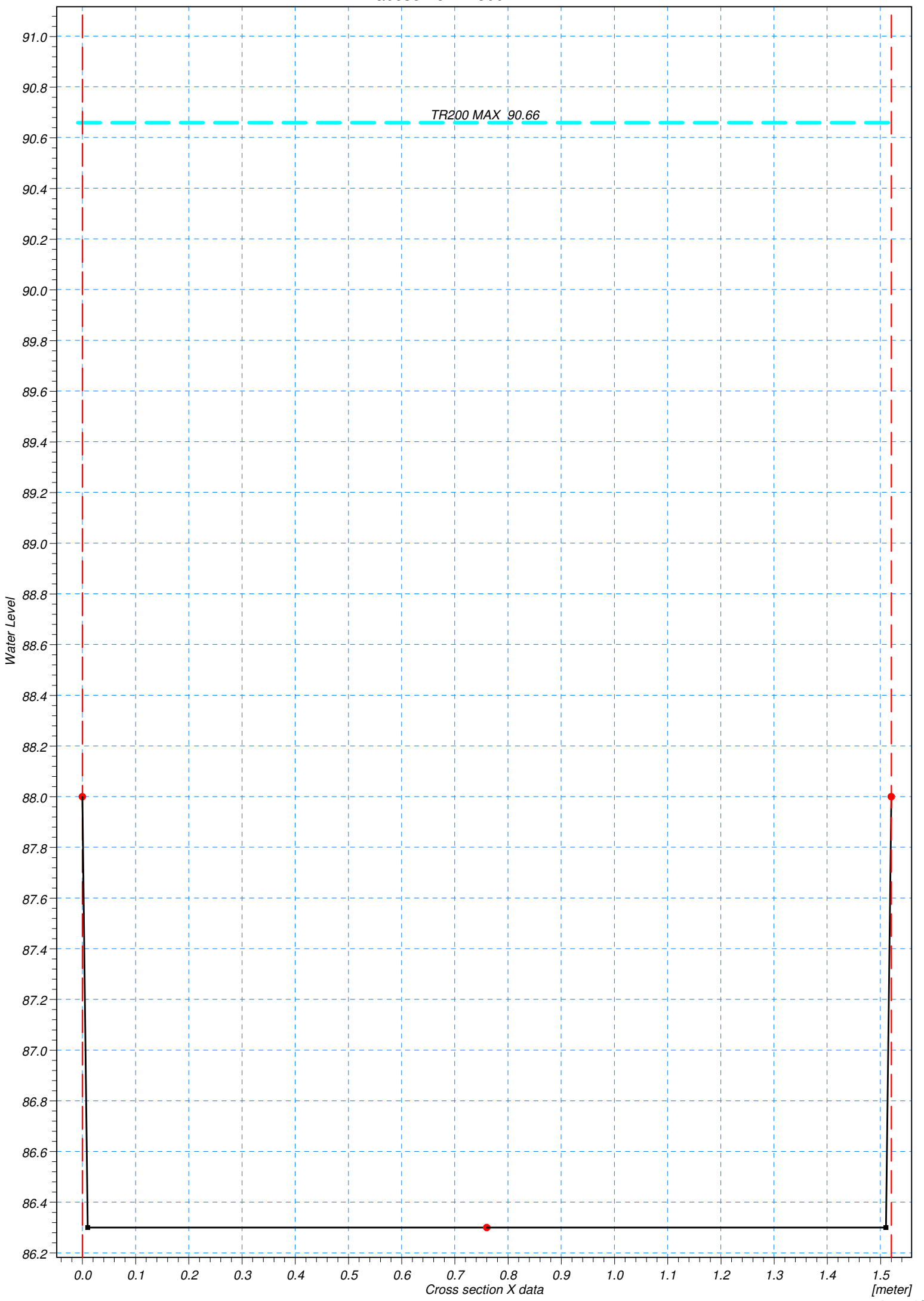




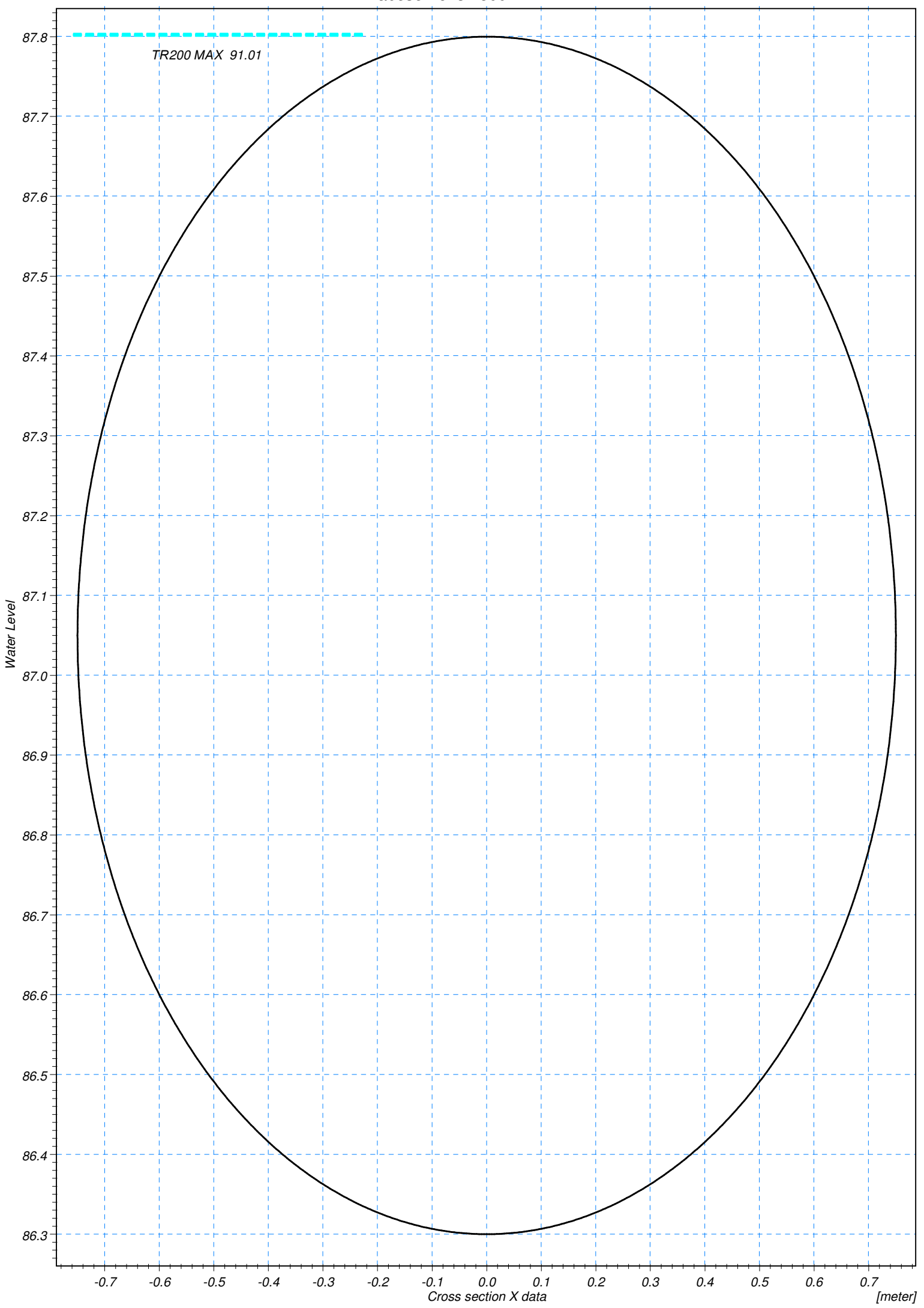




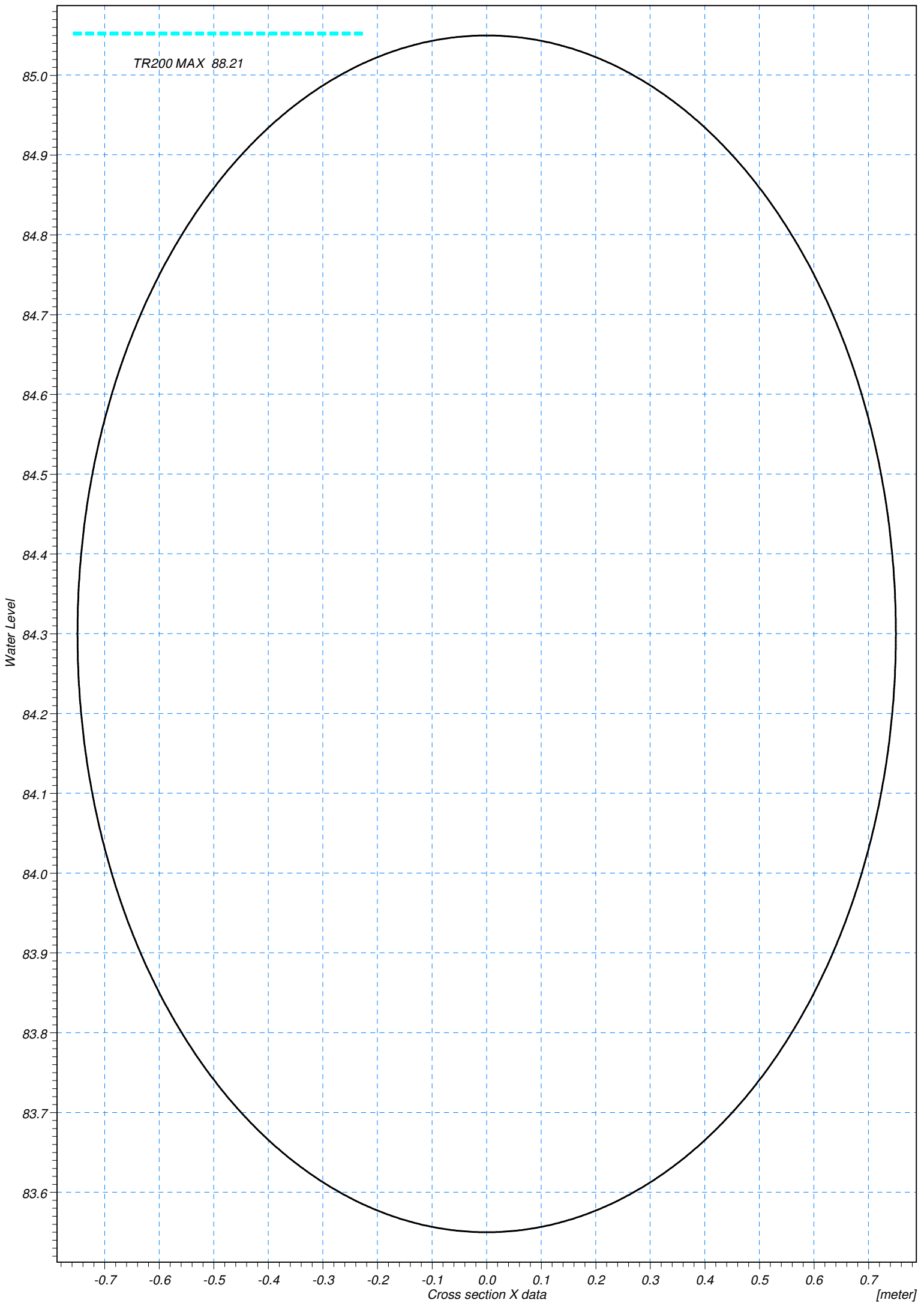


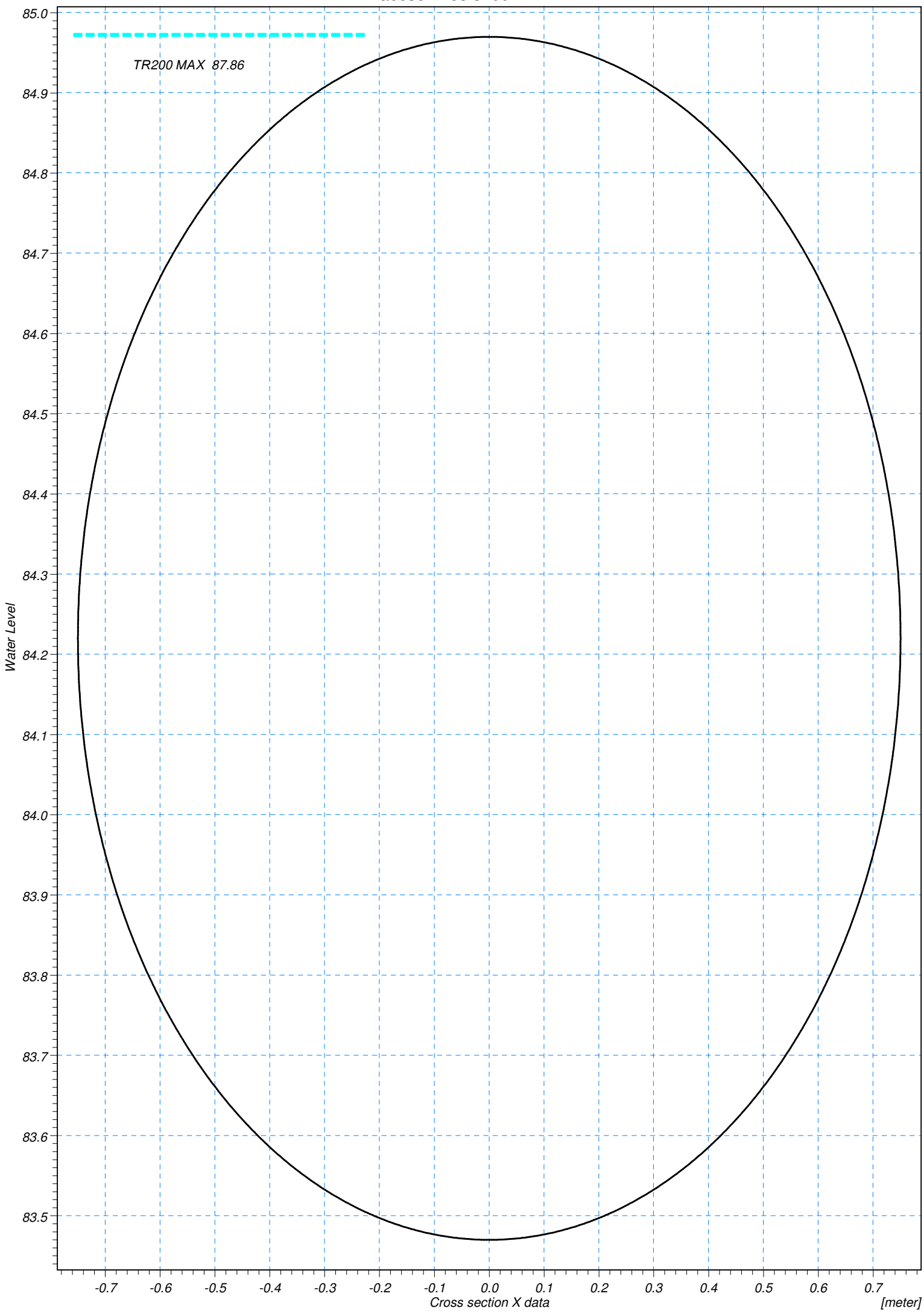


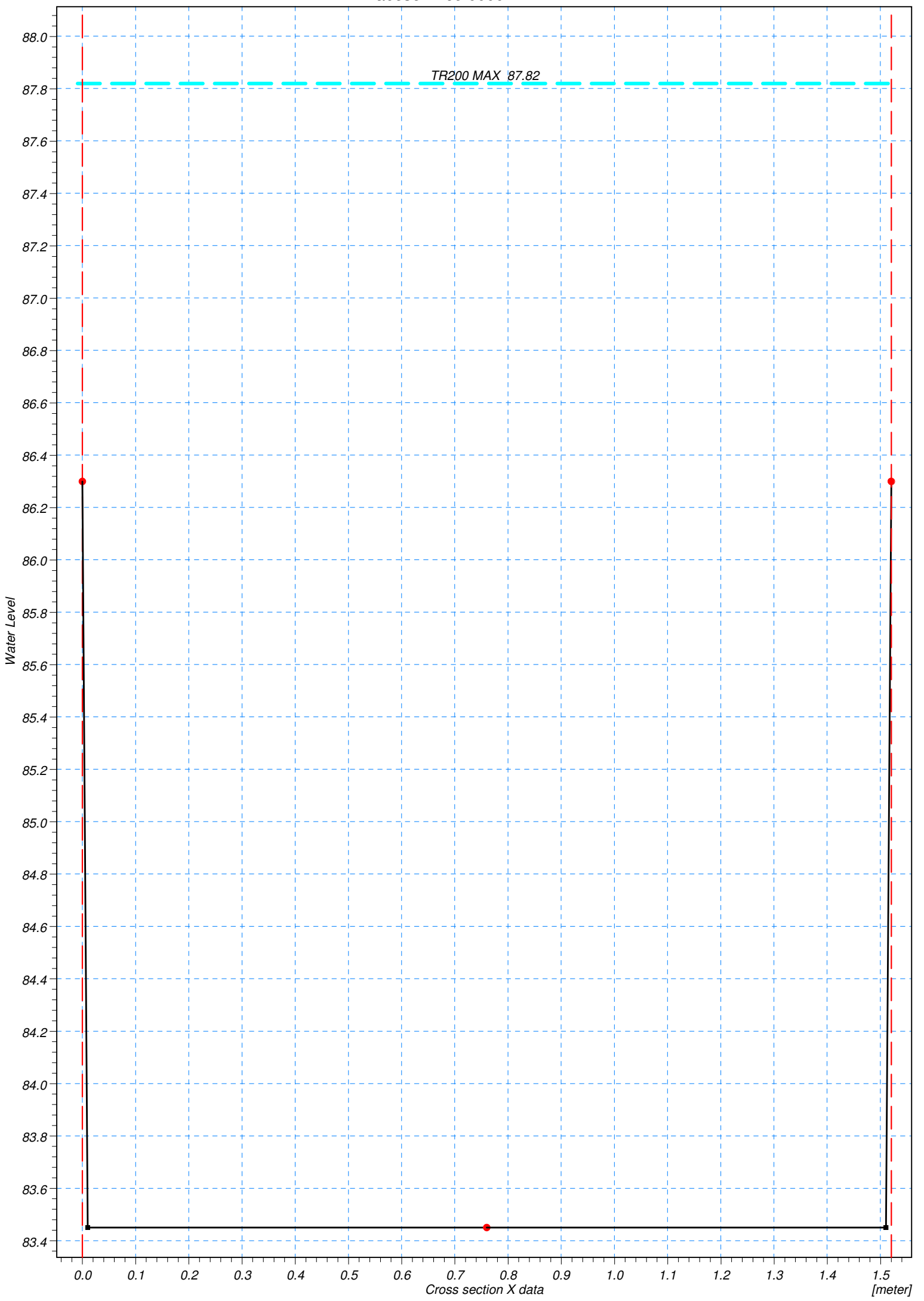
TR200 MAX 91.01

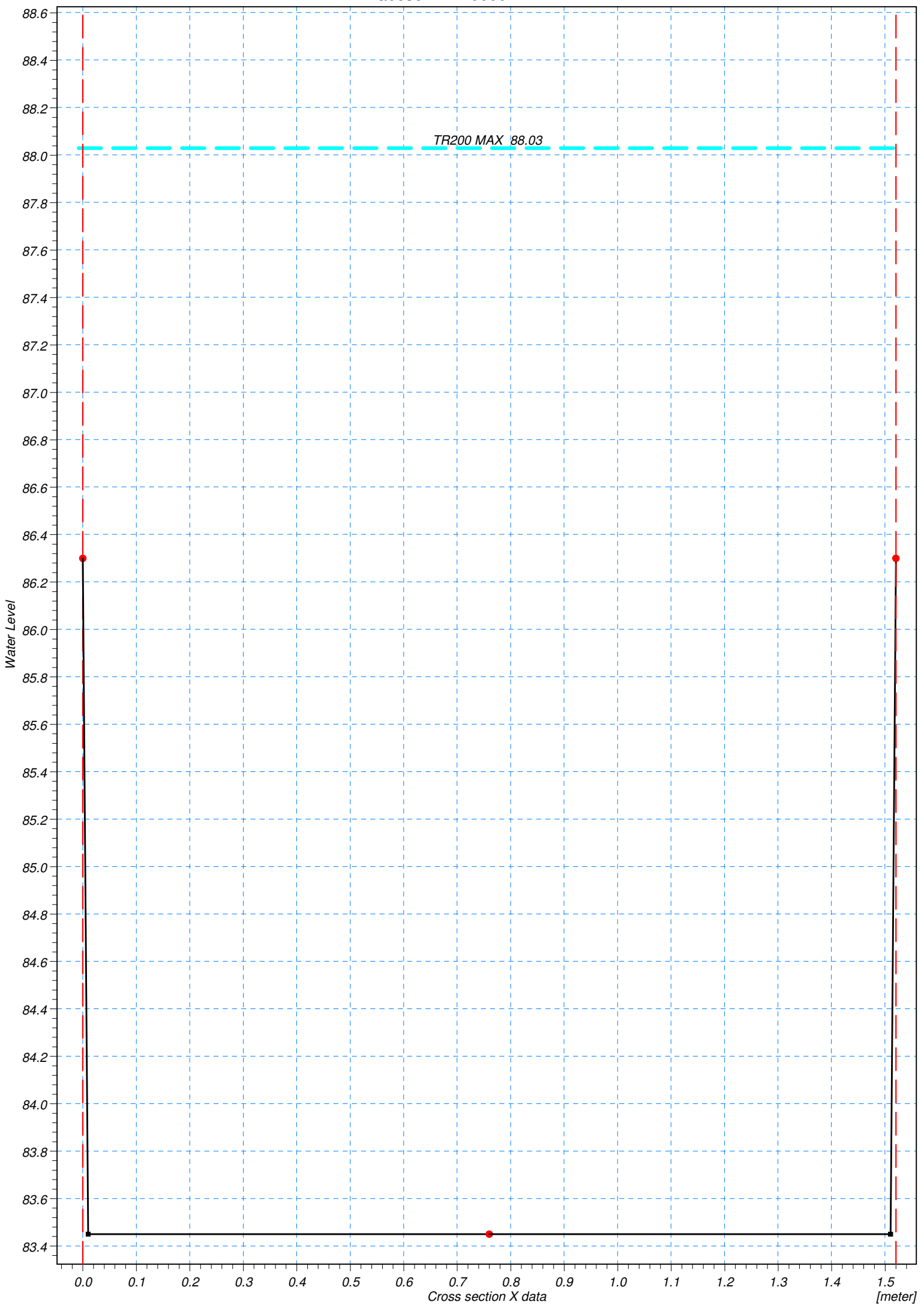


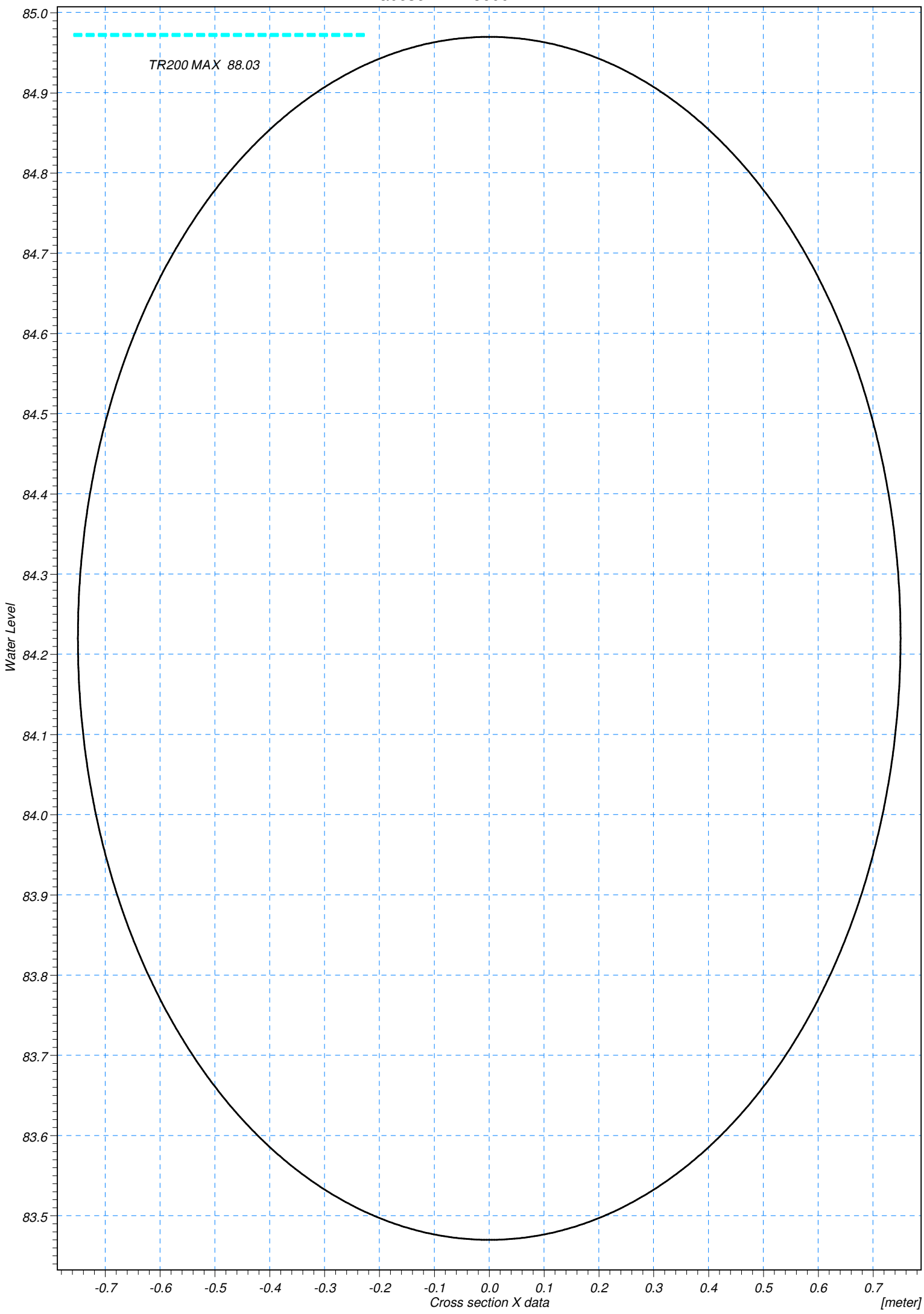
TR200 MAX 88.21



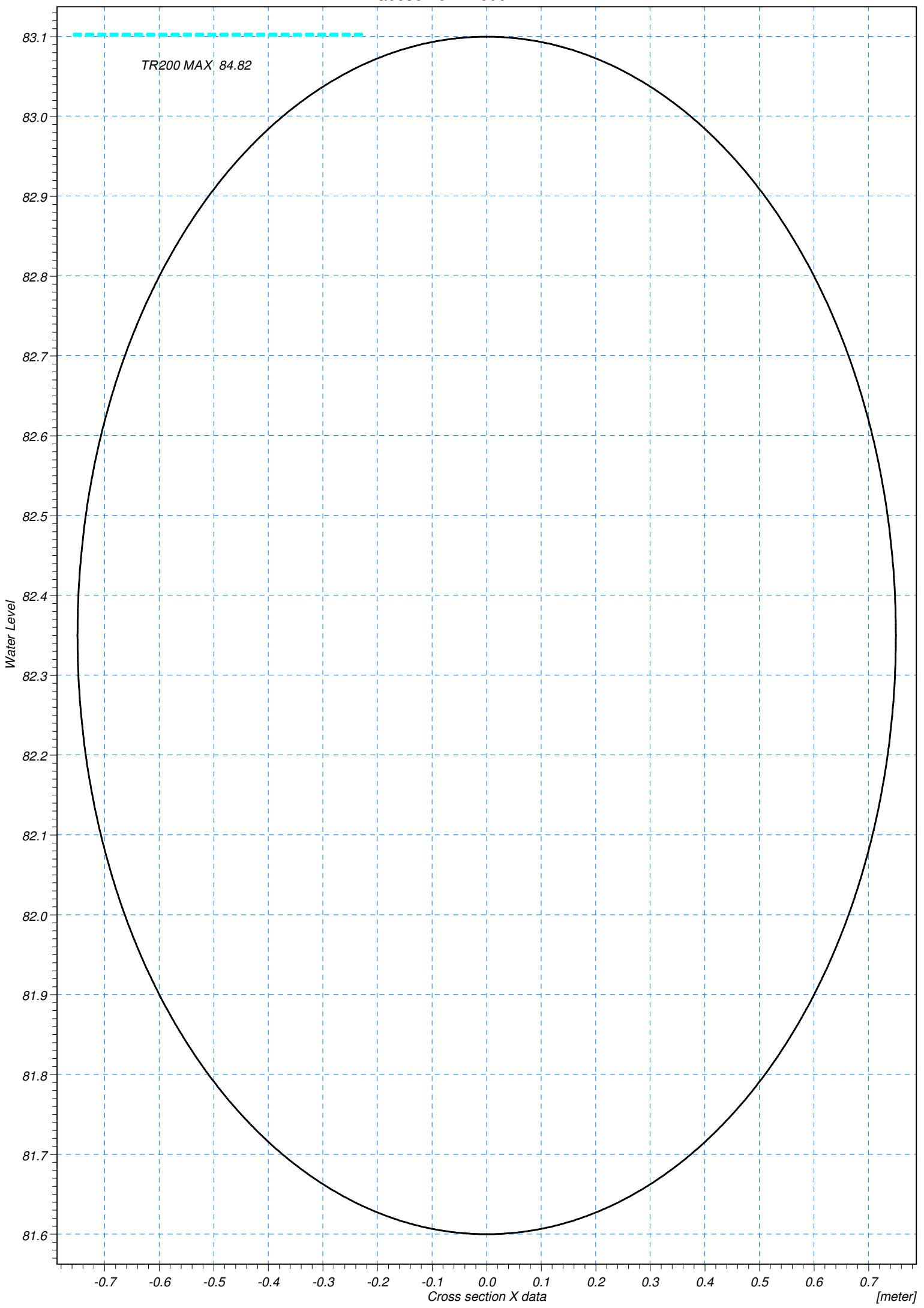


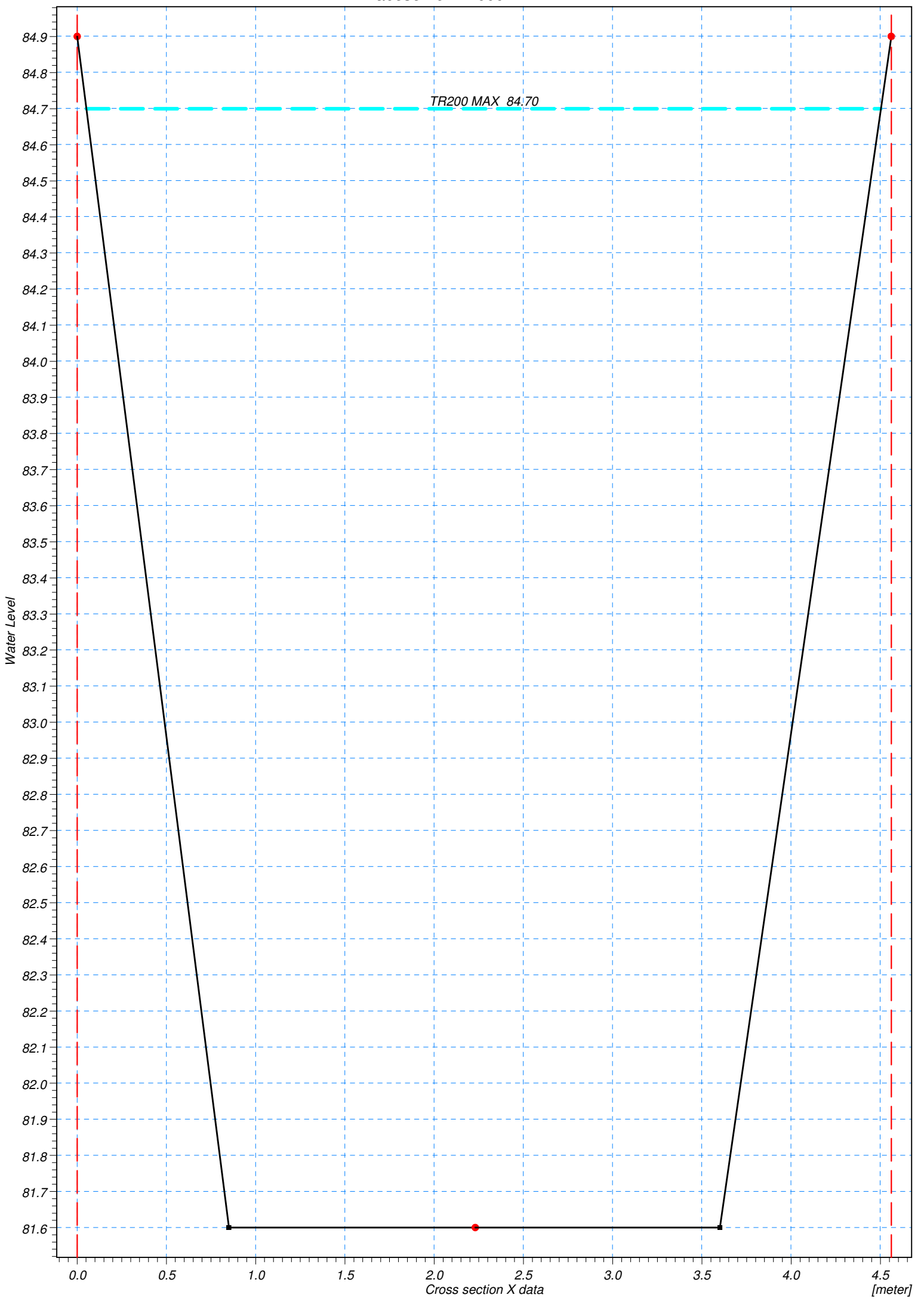


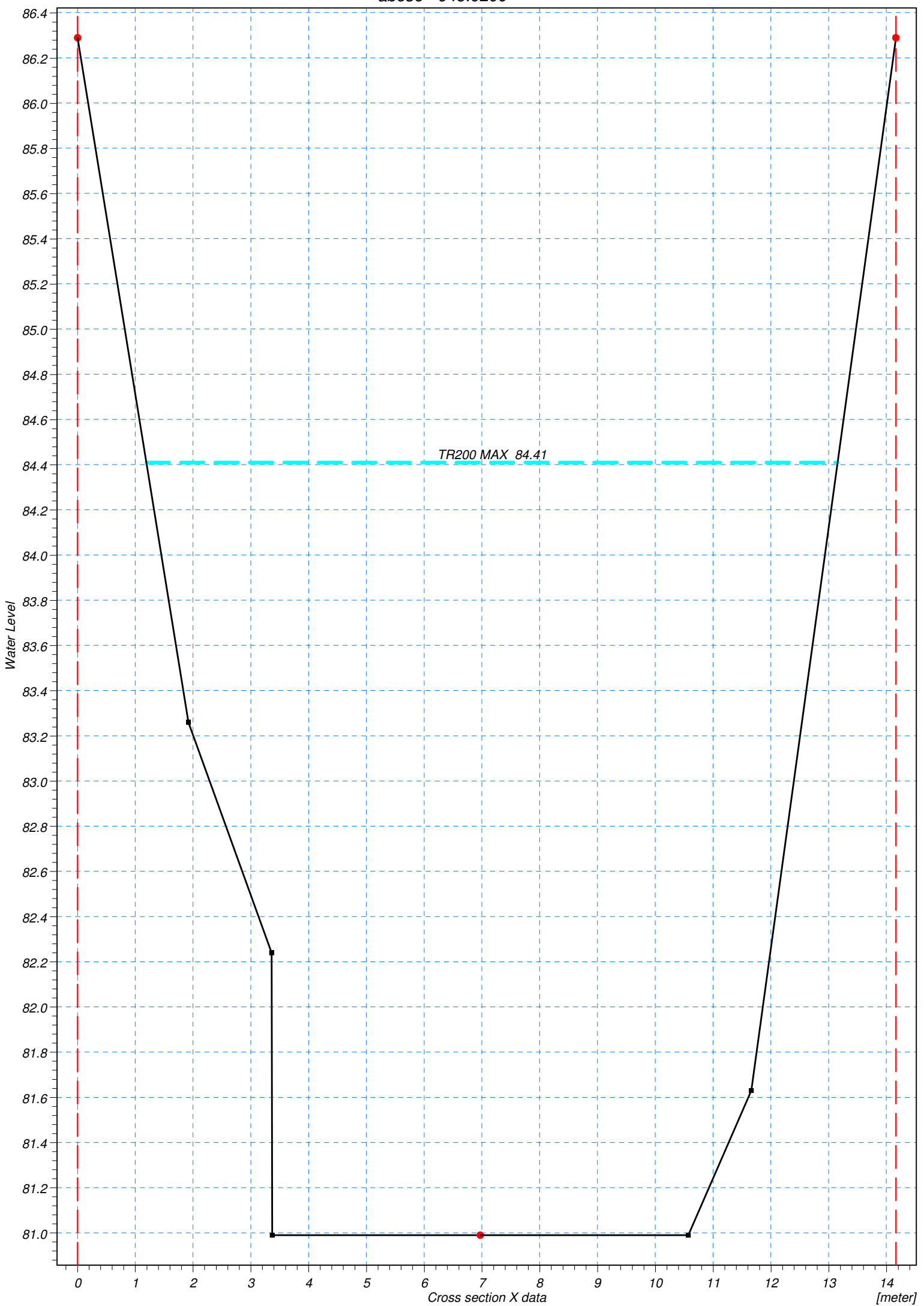


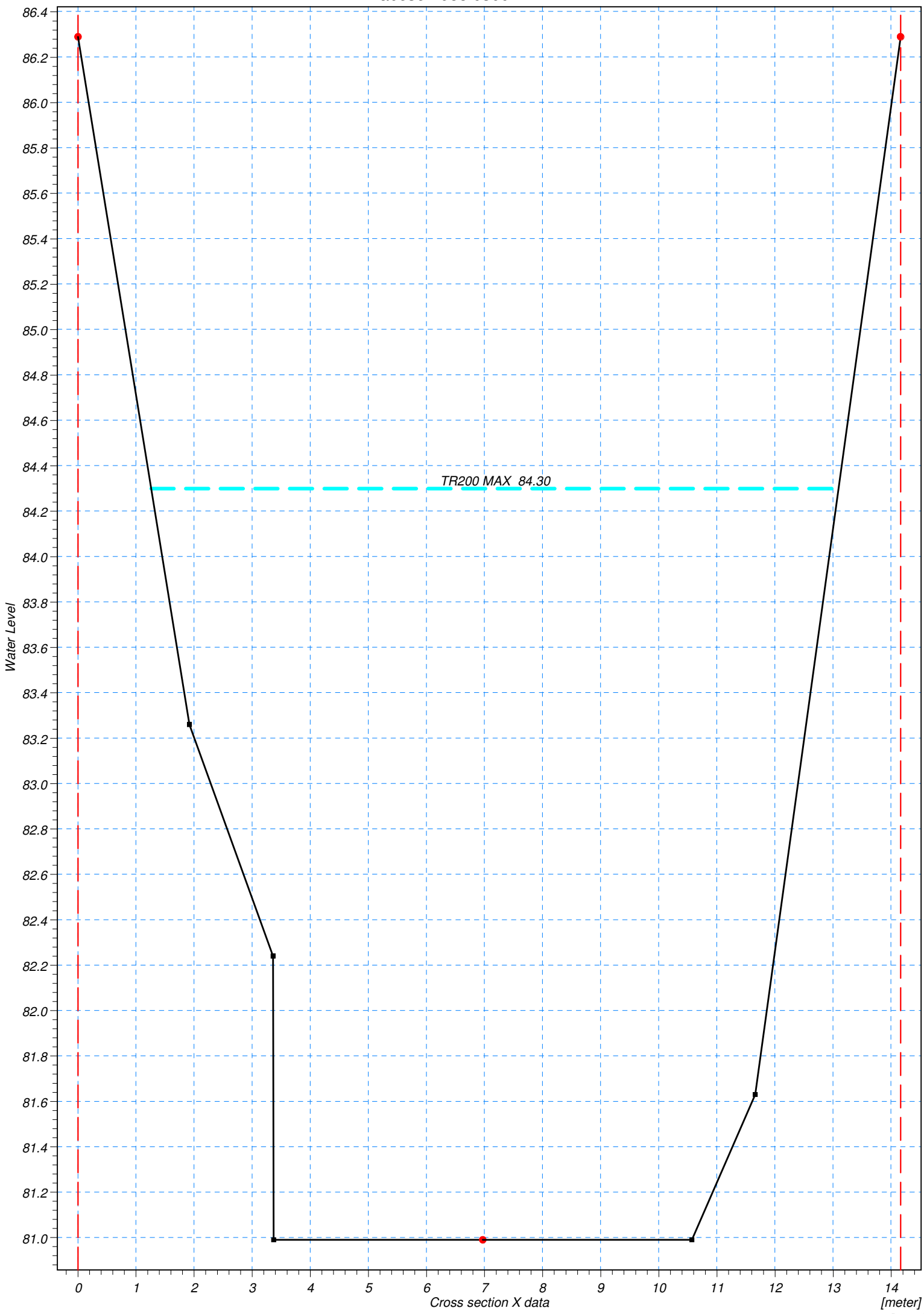


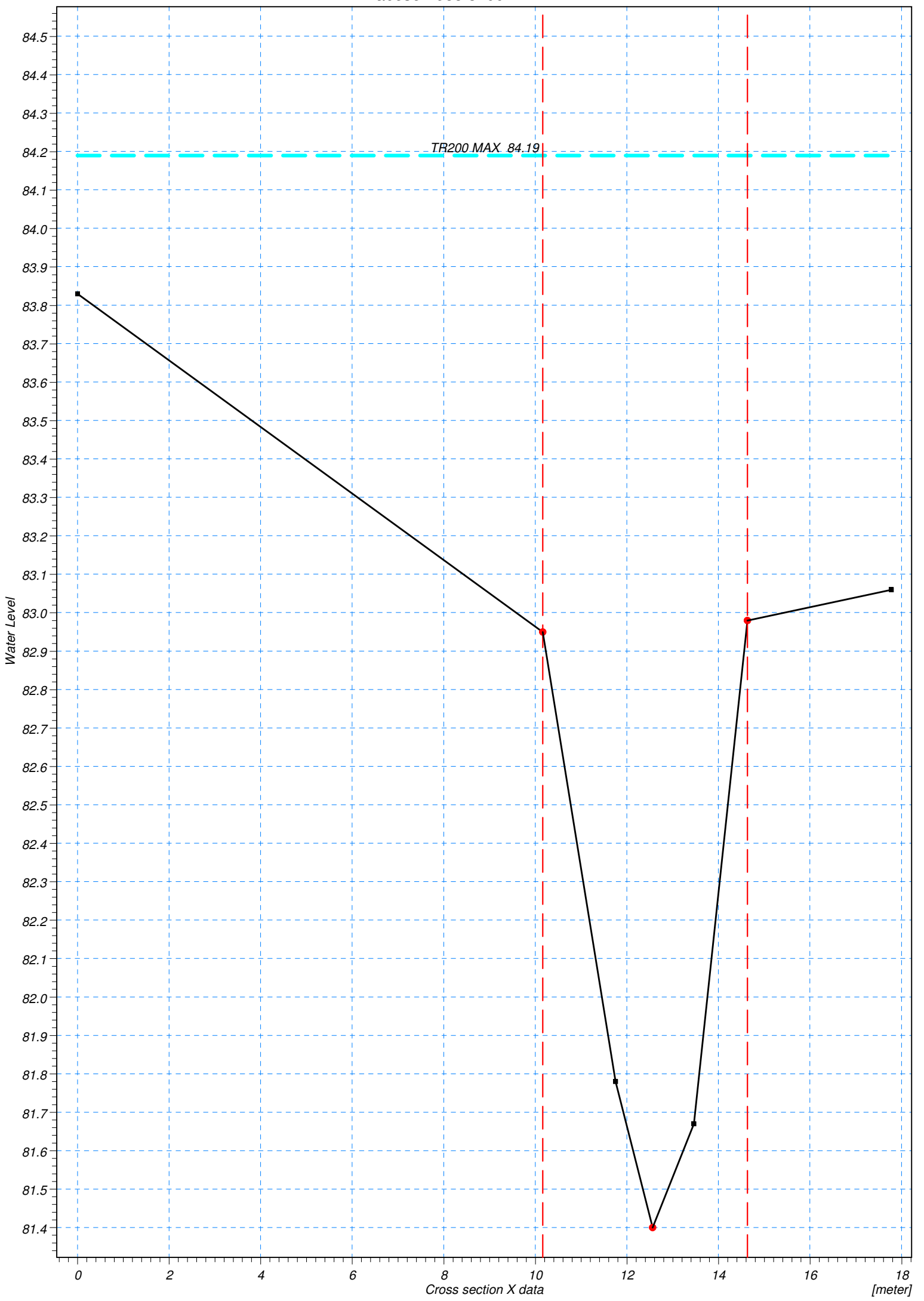
TR200 MAX 84.82

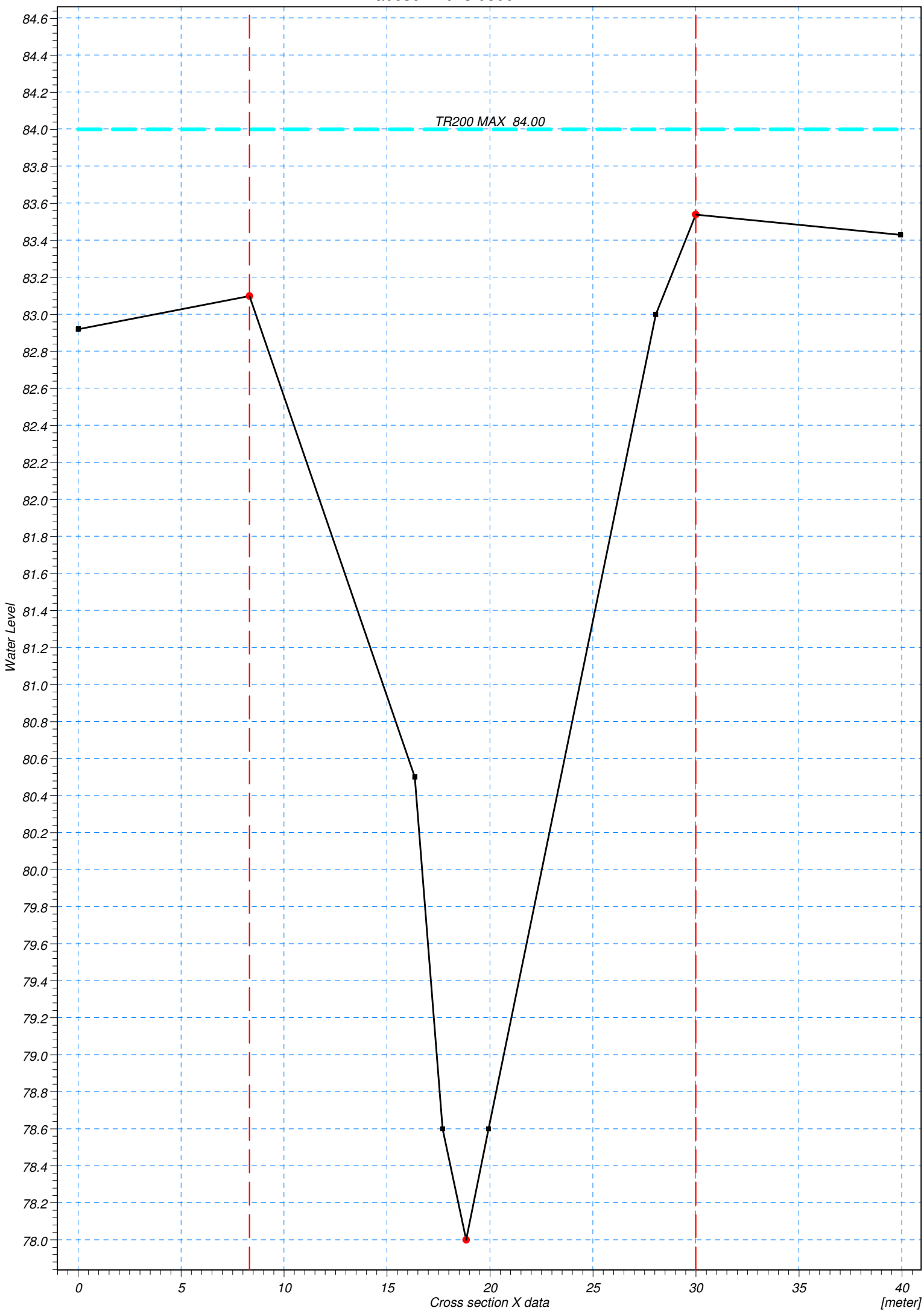


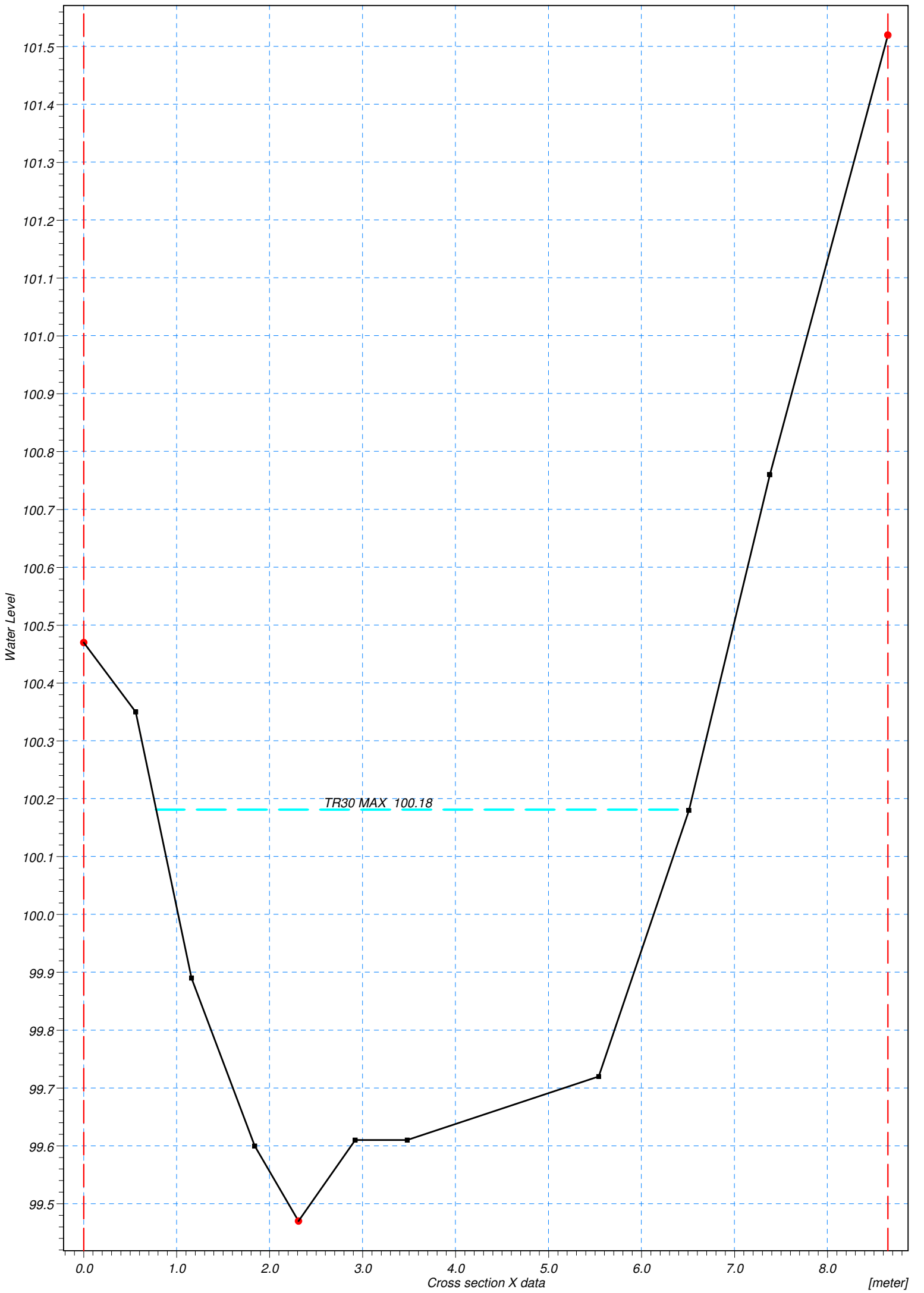


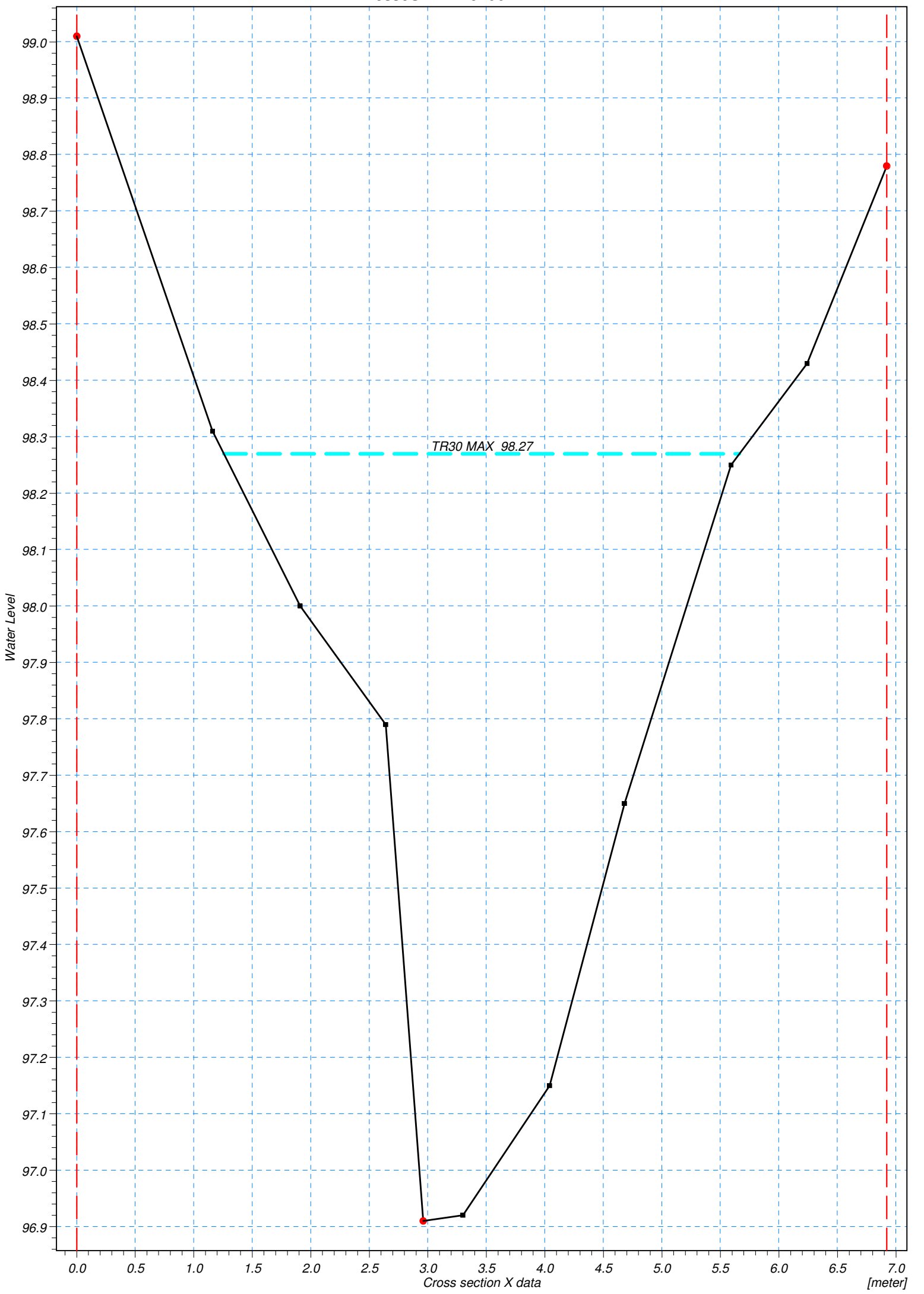


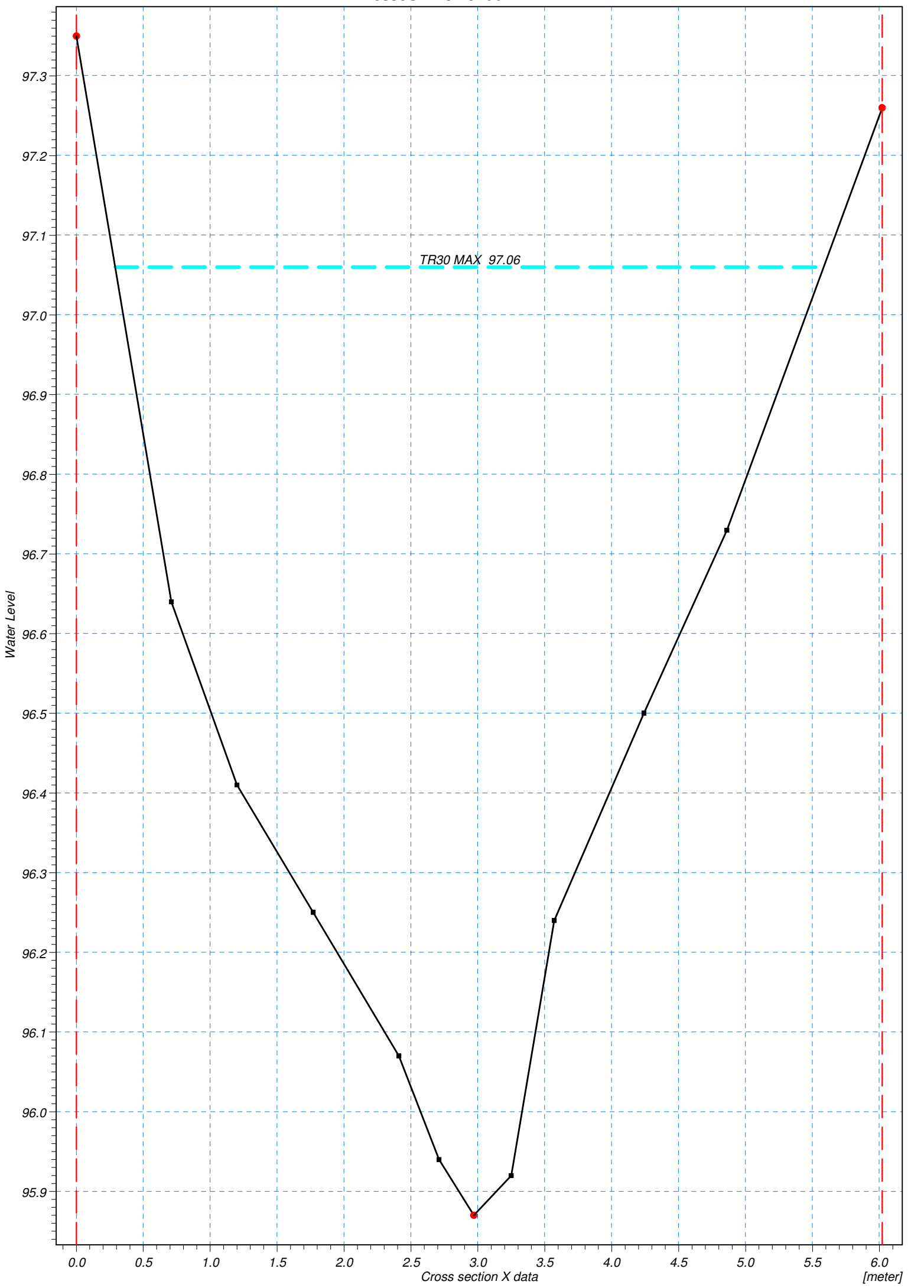


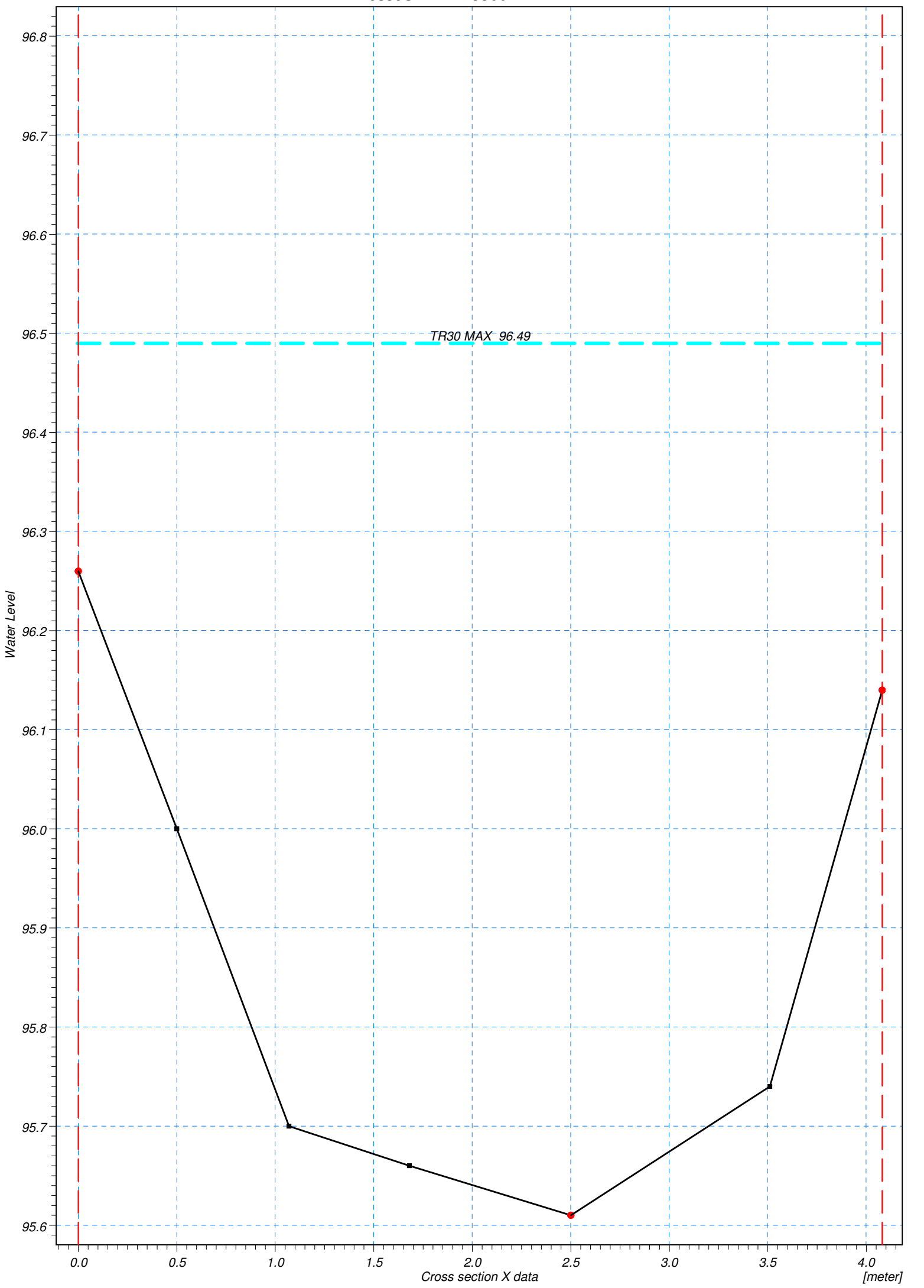


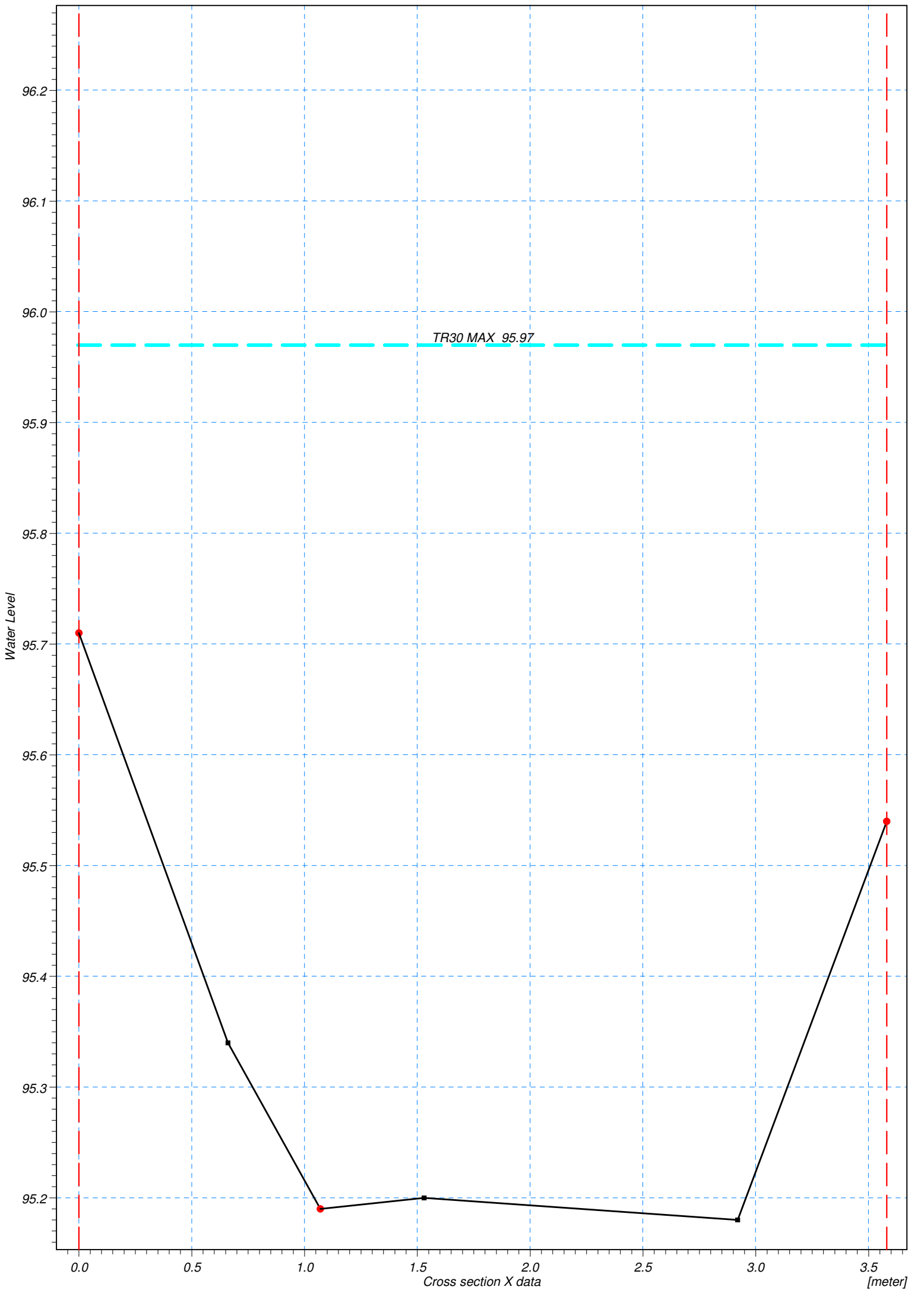


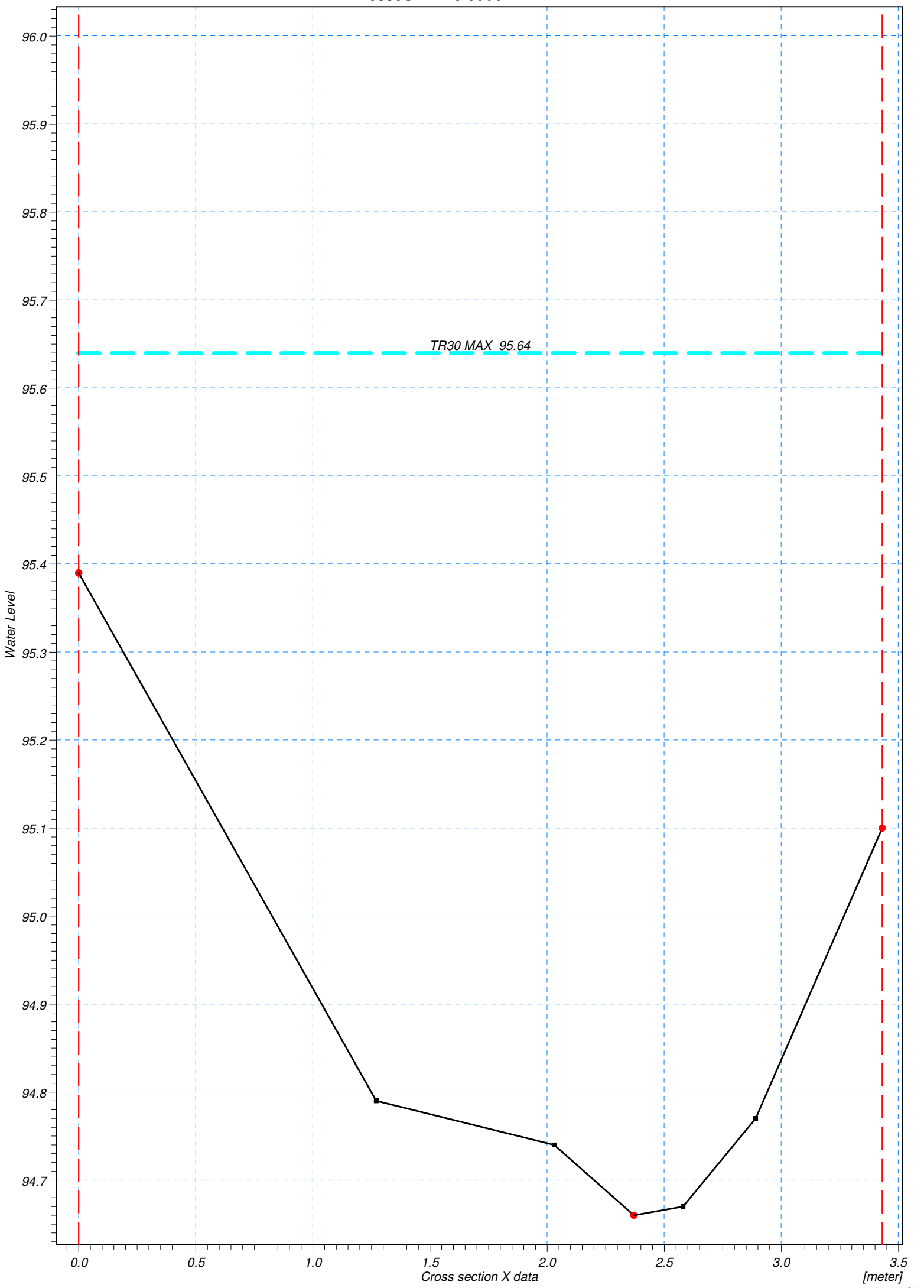




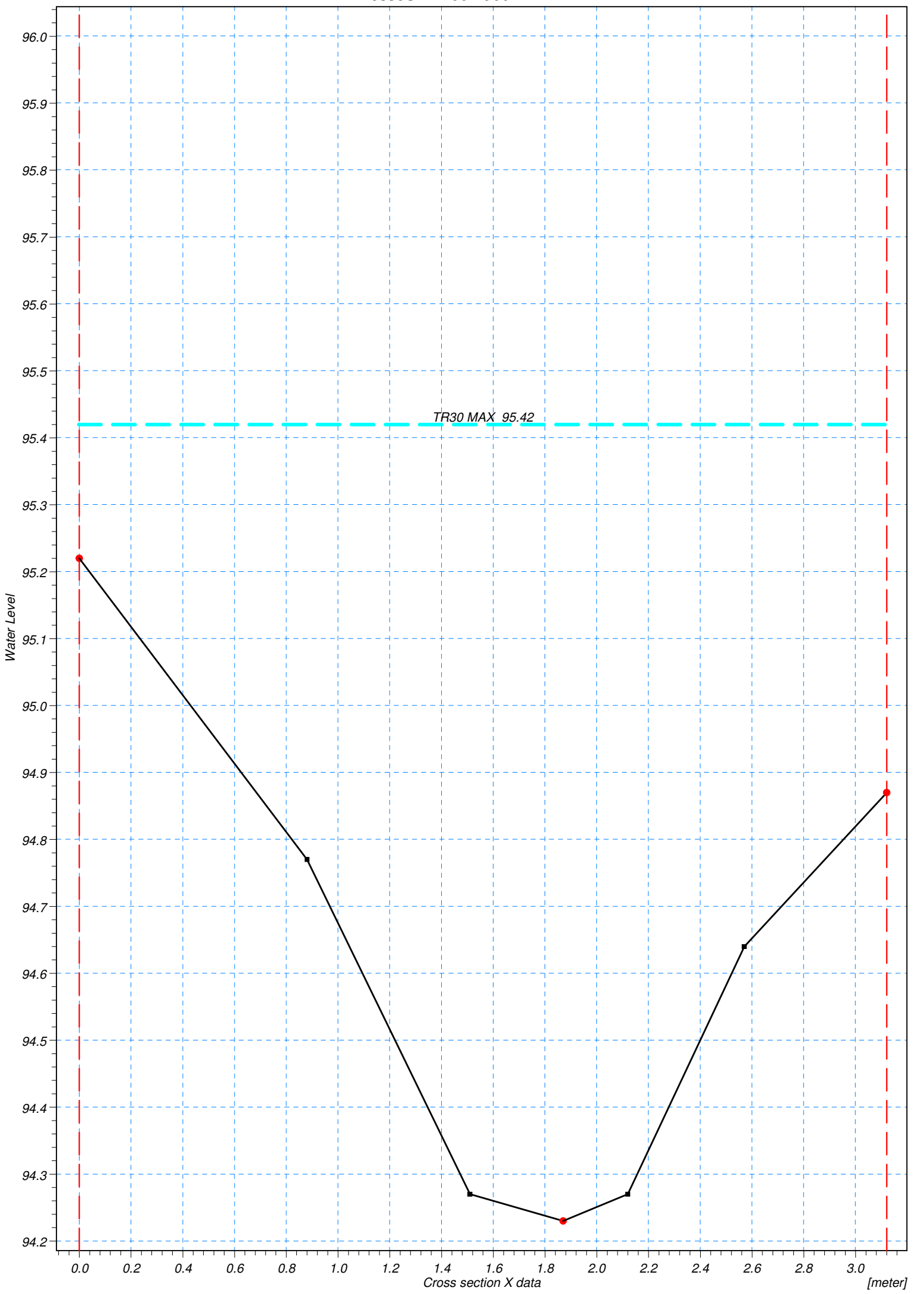


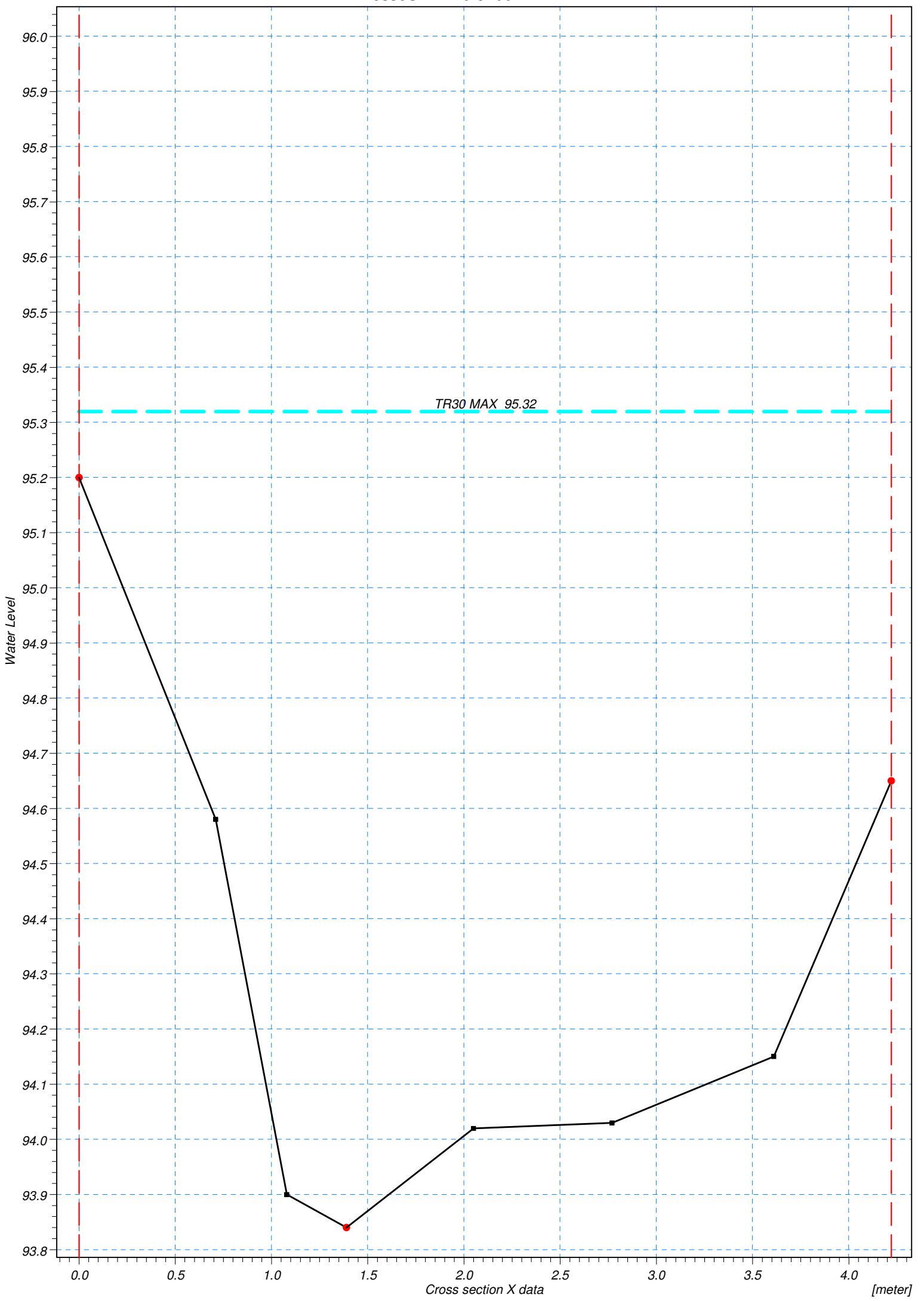


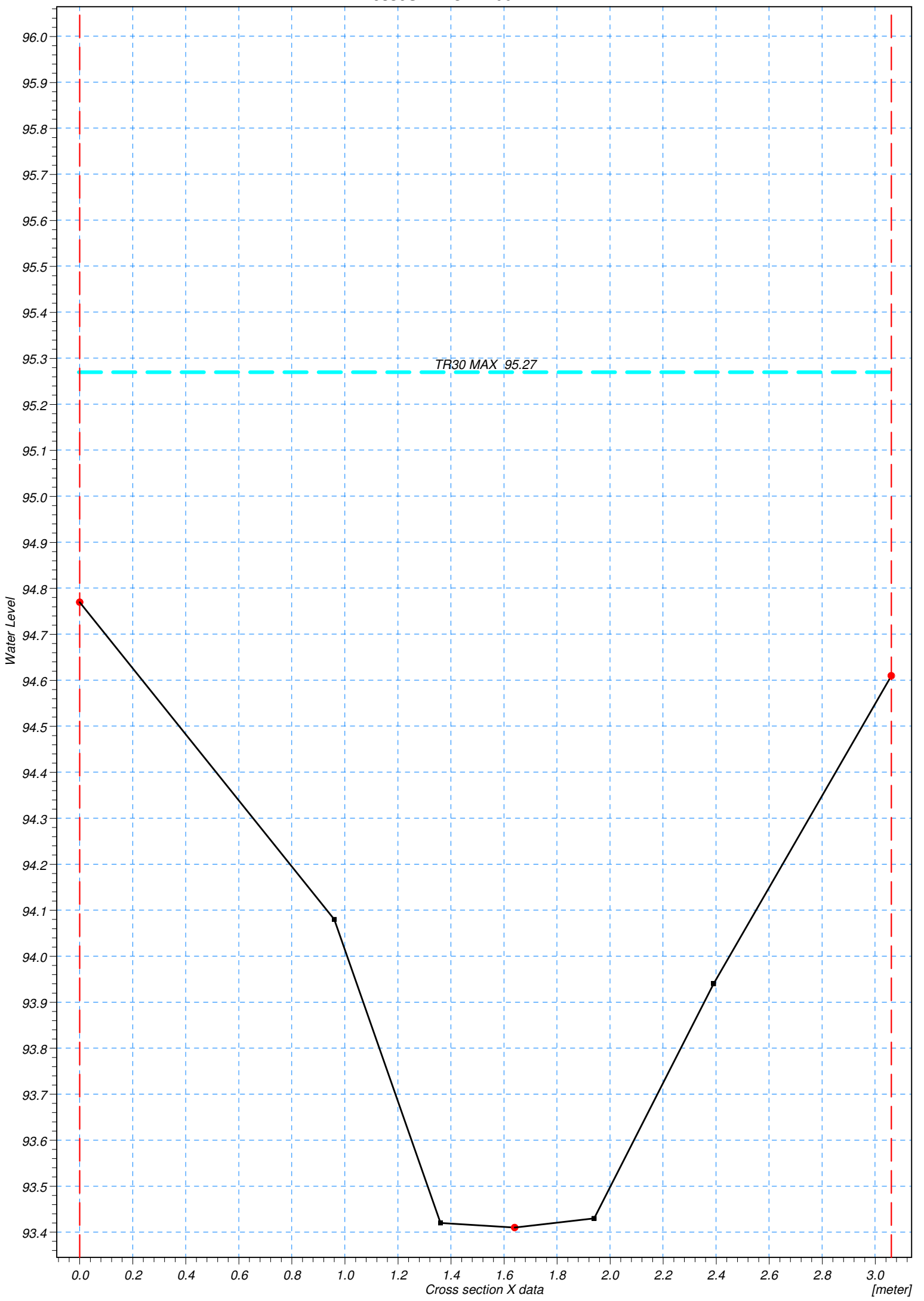




fossoSX - 199.2900

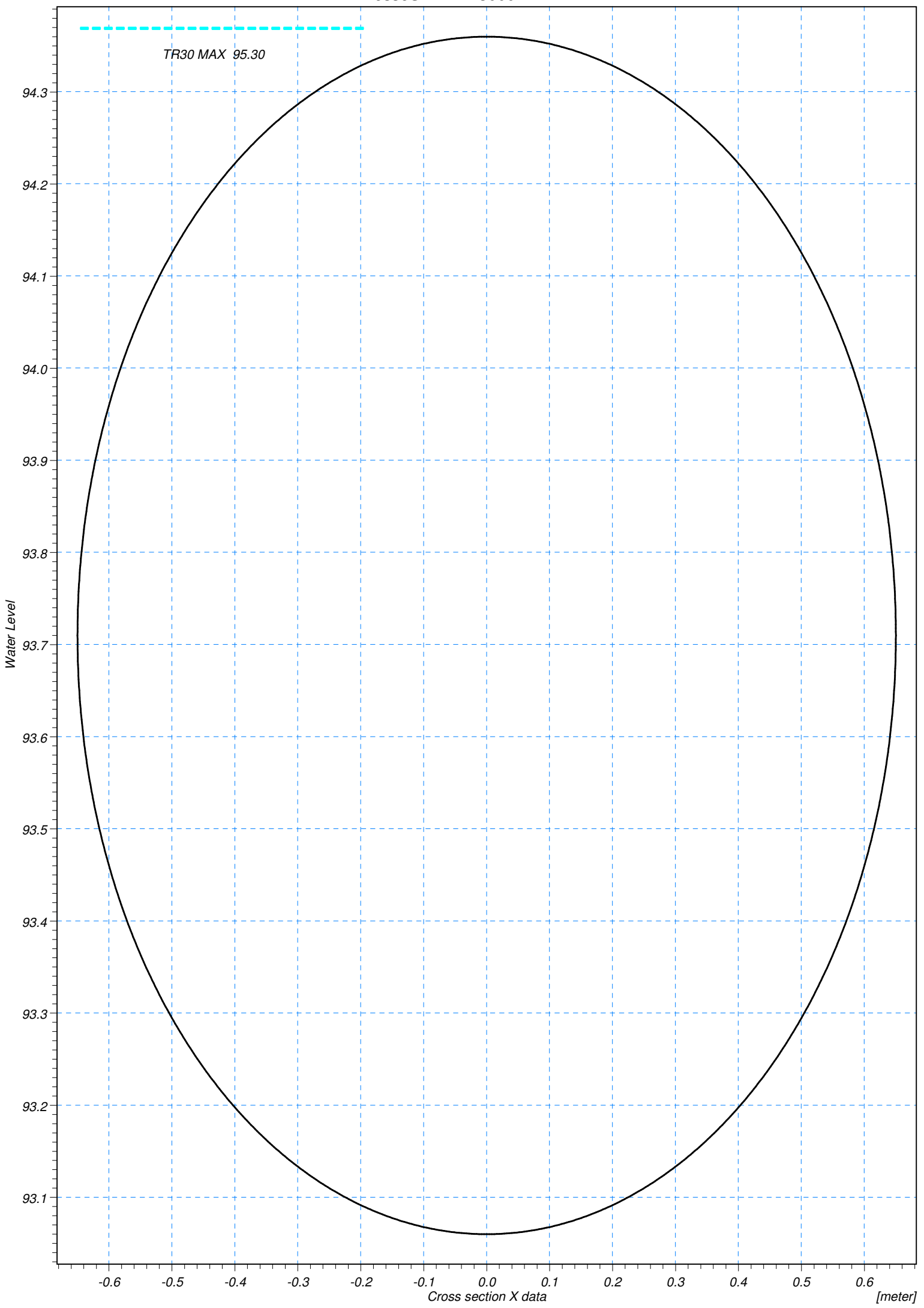




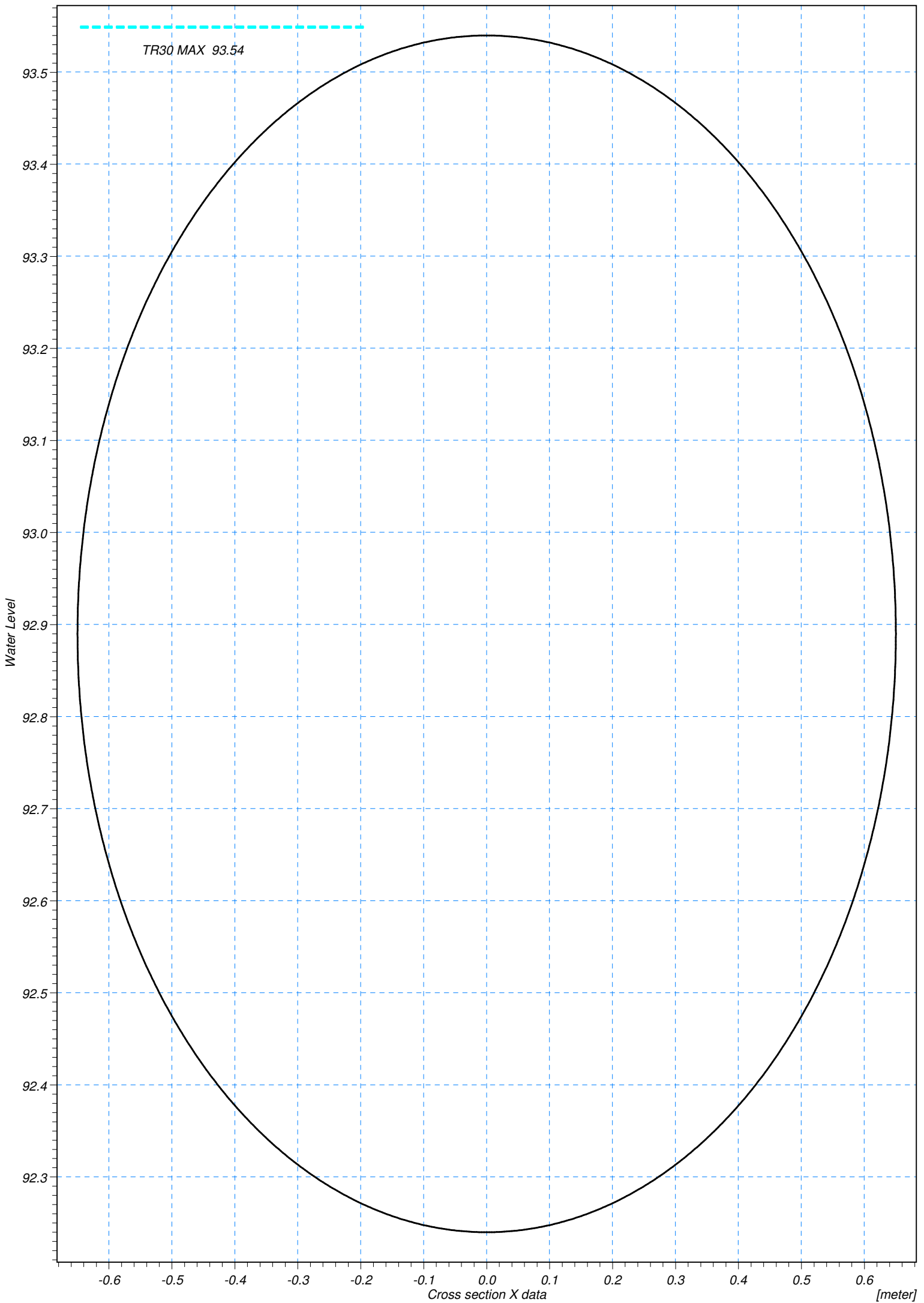


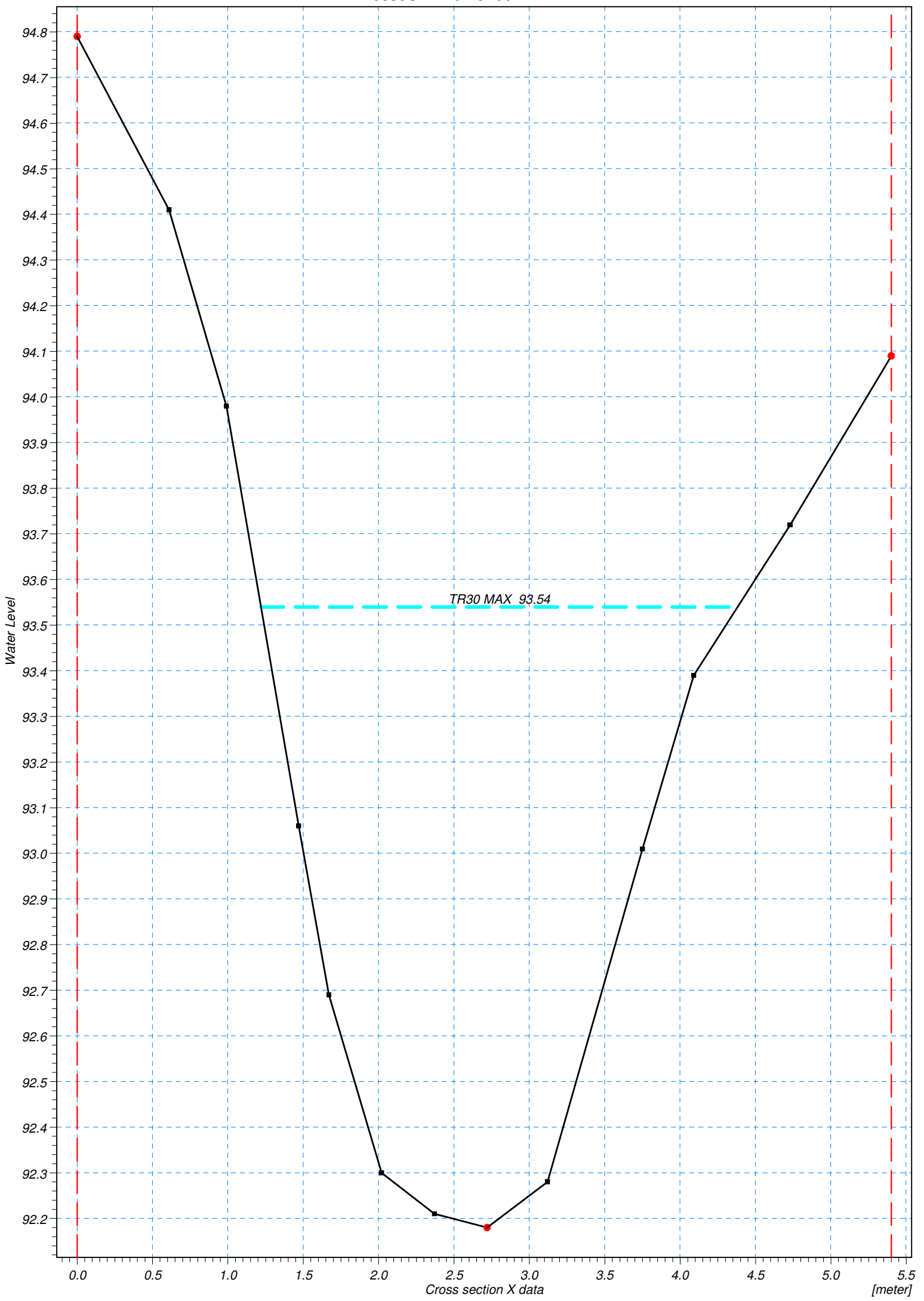


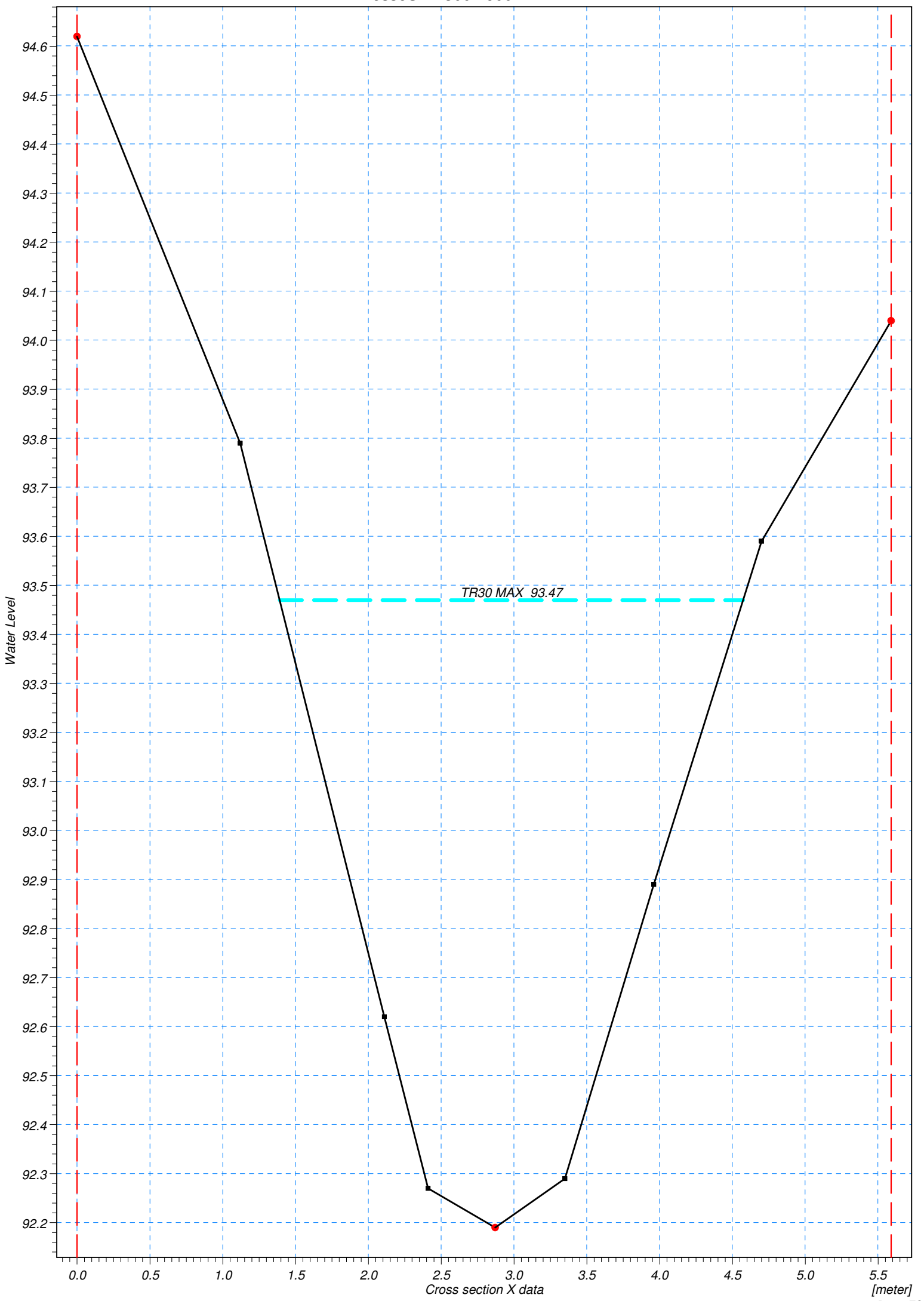
TR30 MAX 95.30

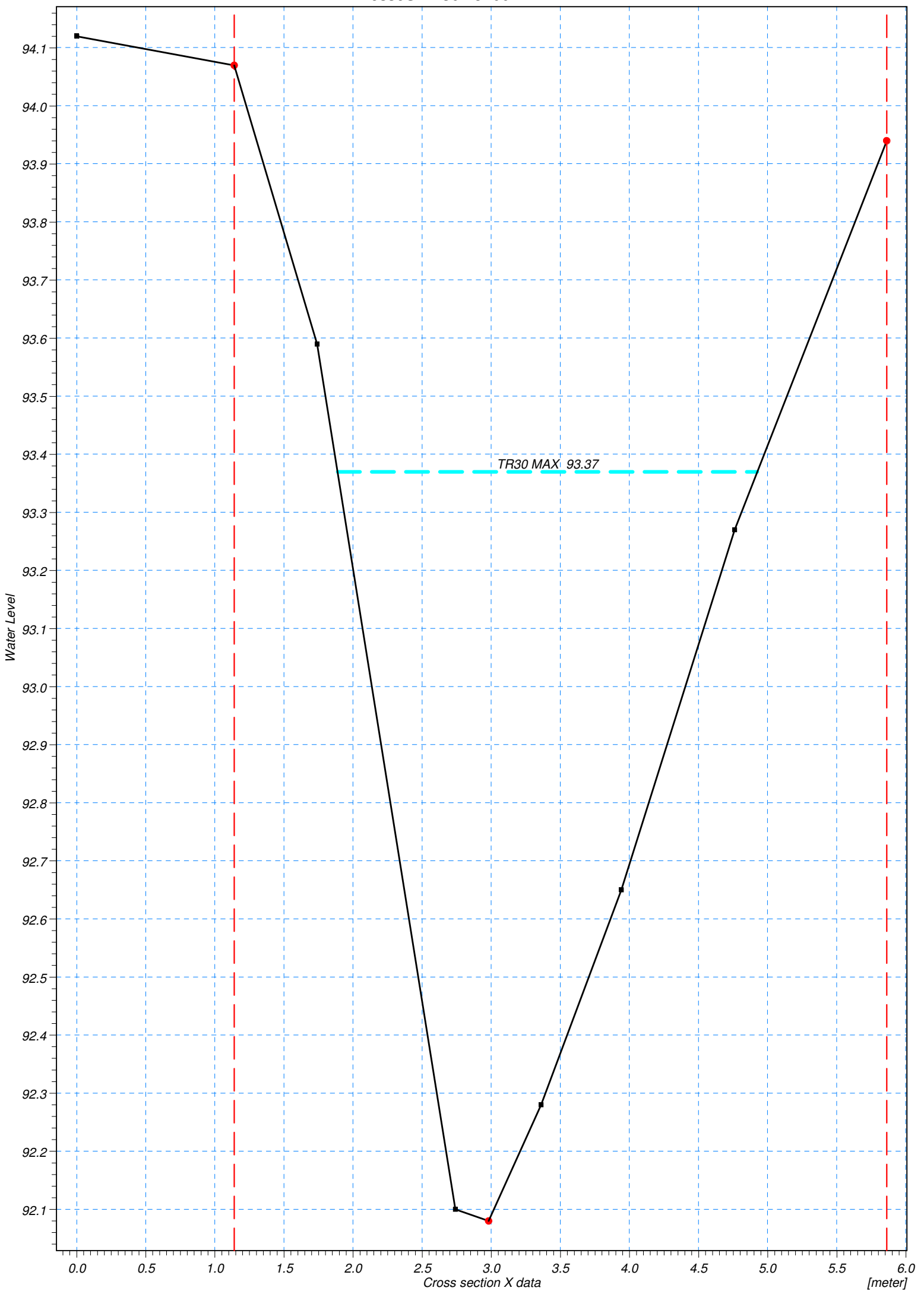


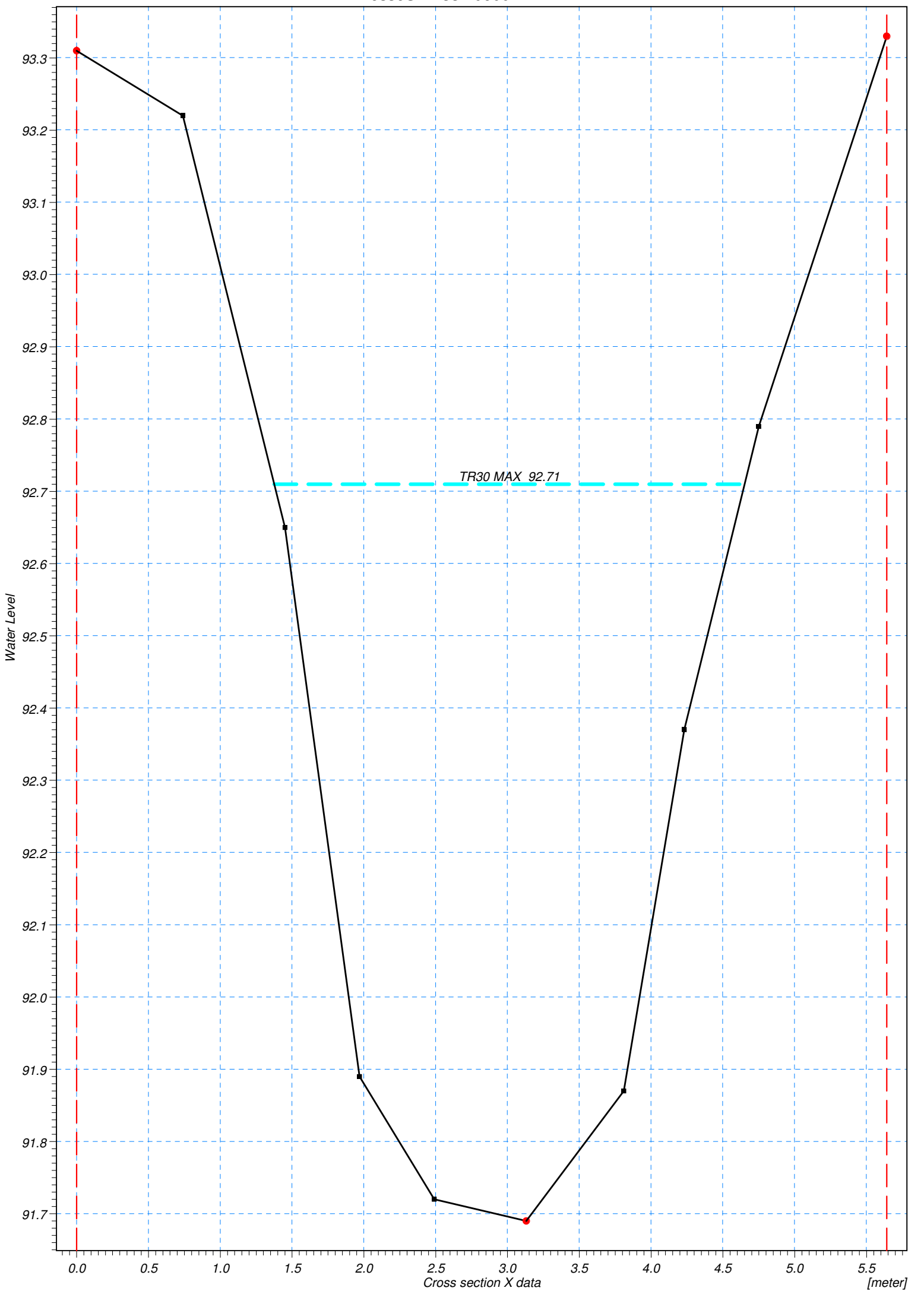
TR30 MAX 93.54

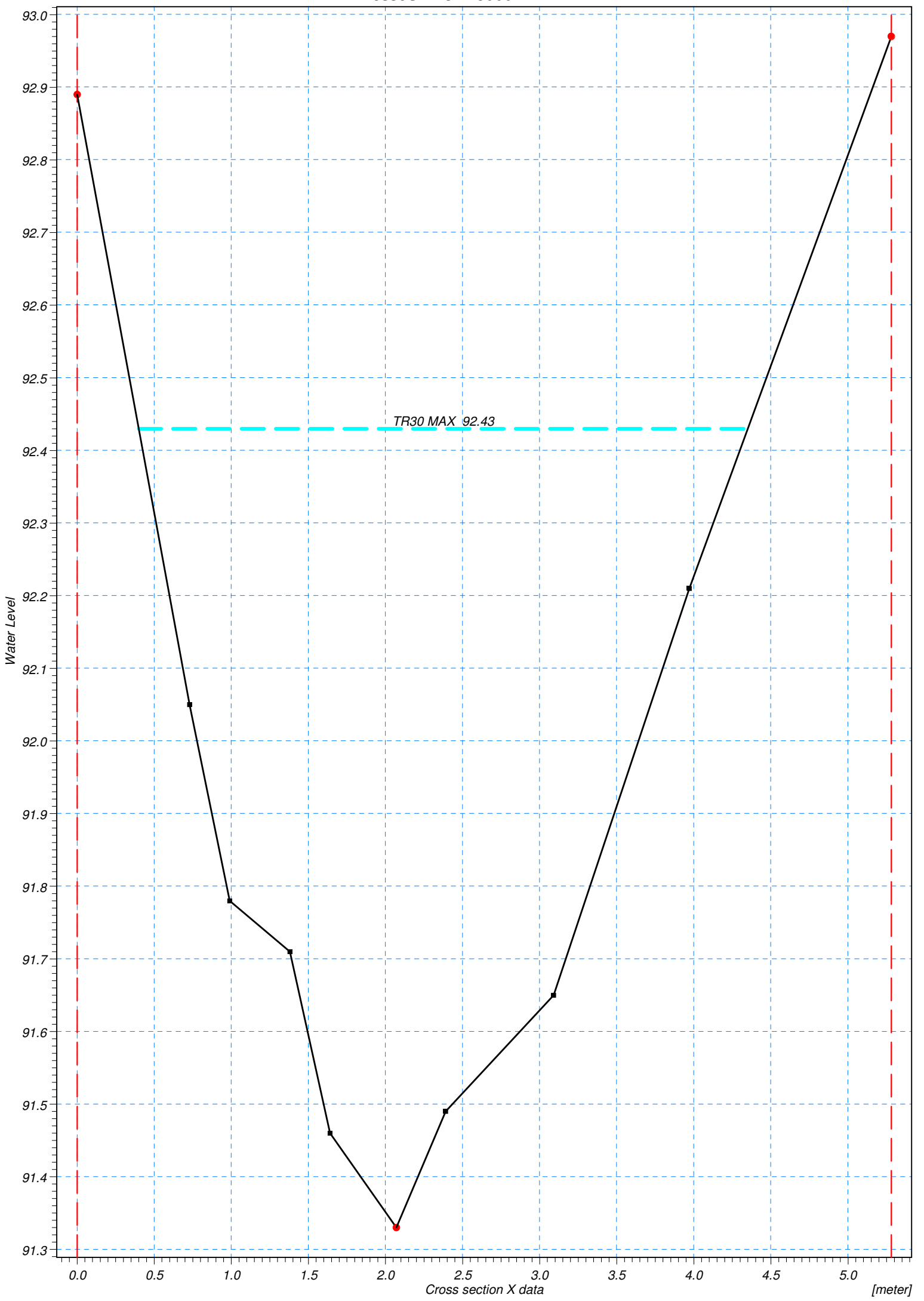


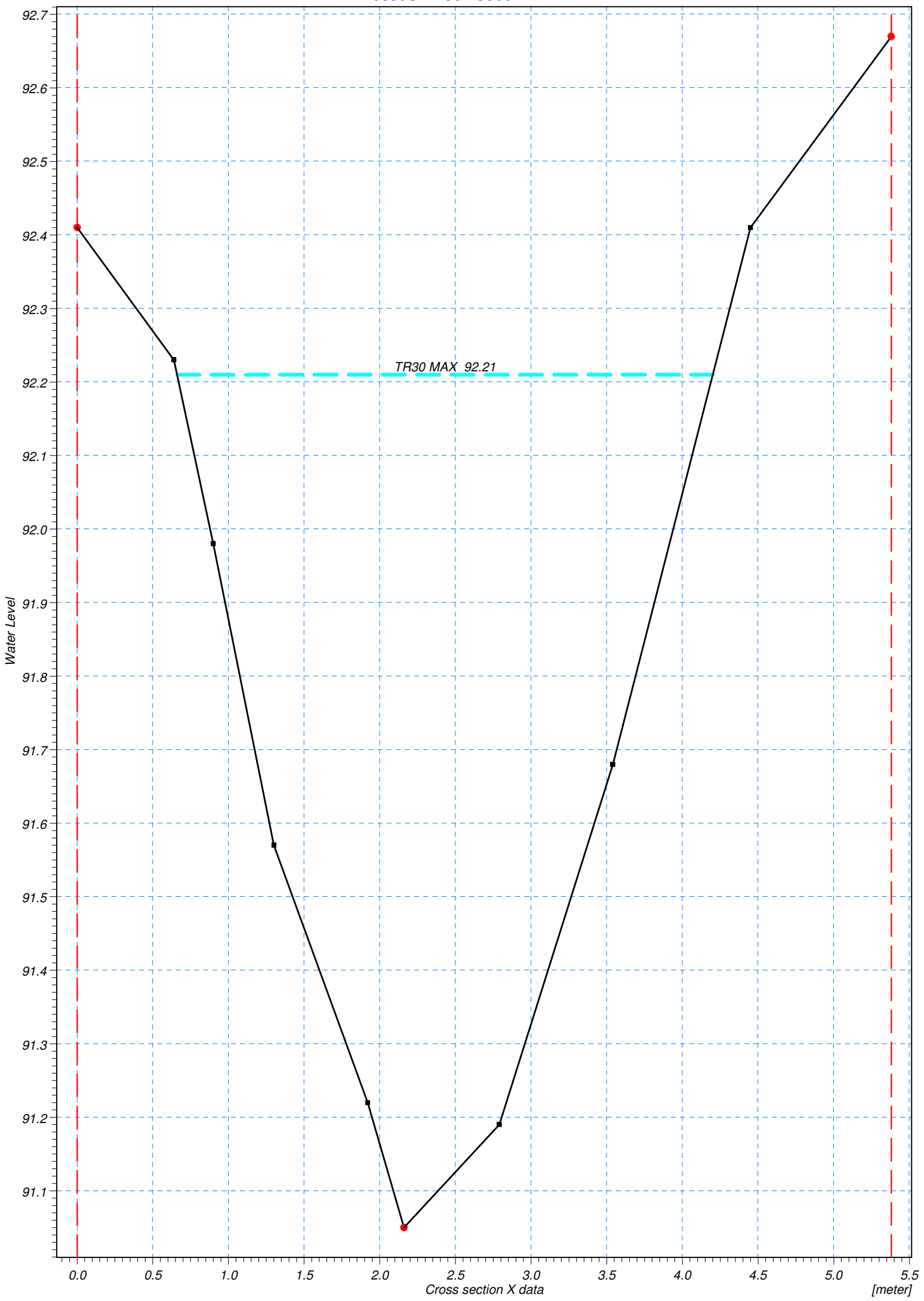


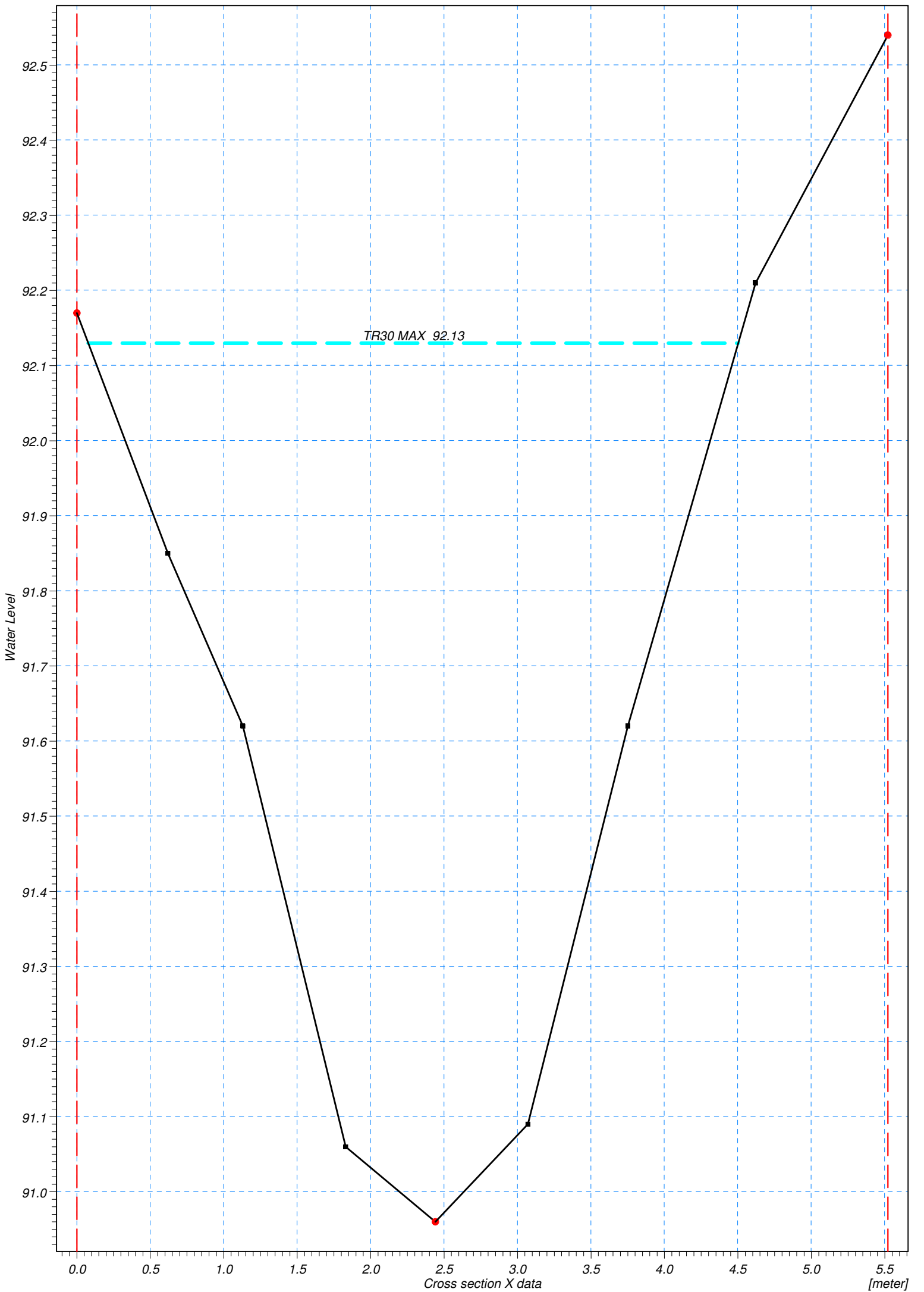


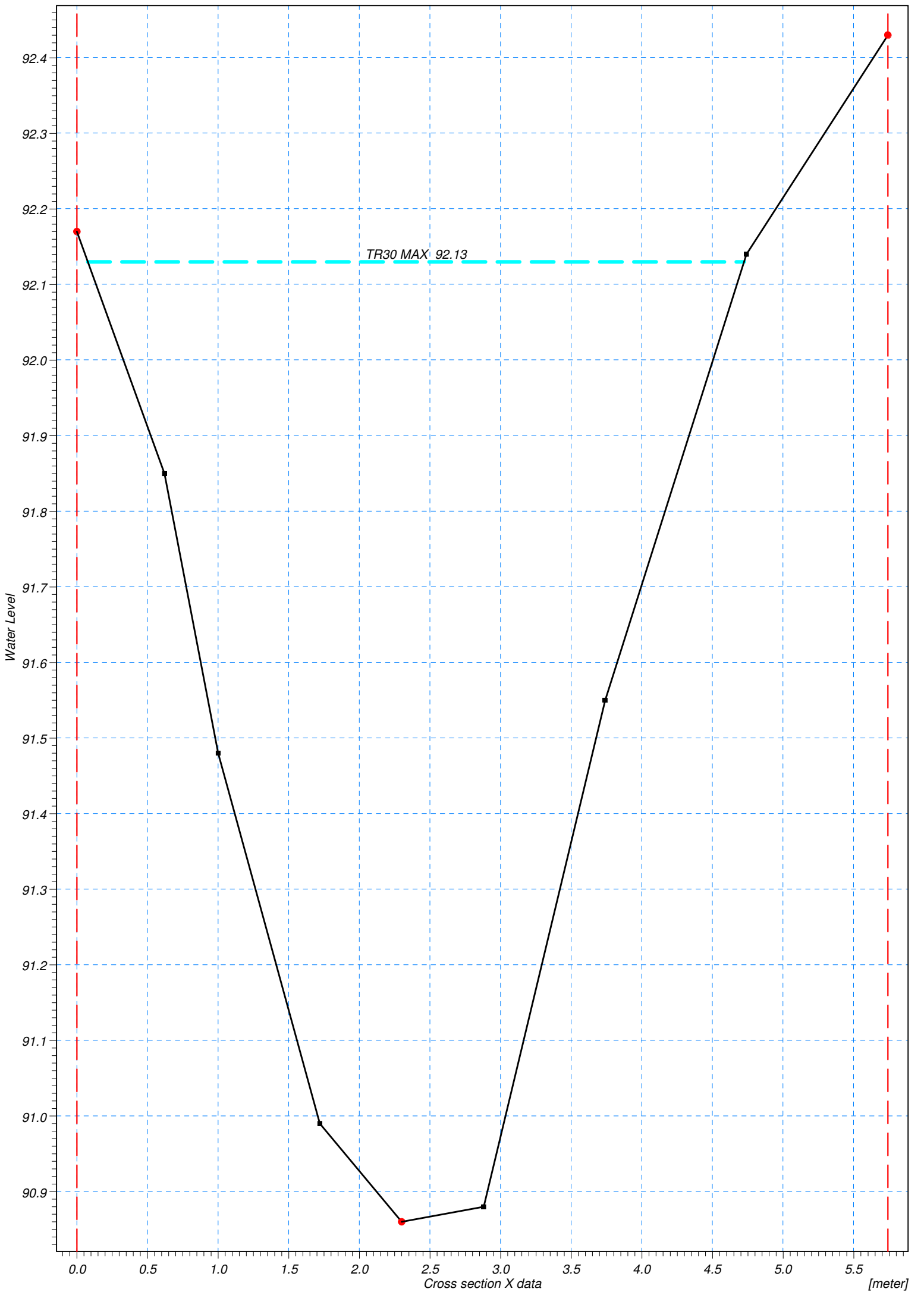


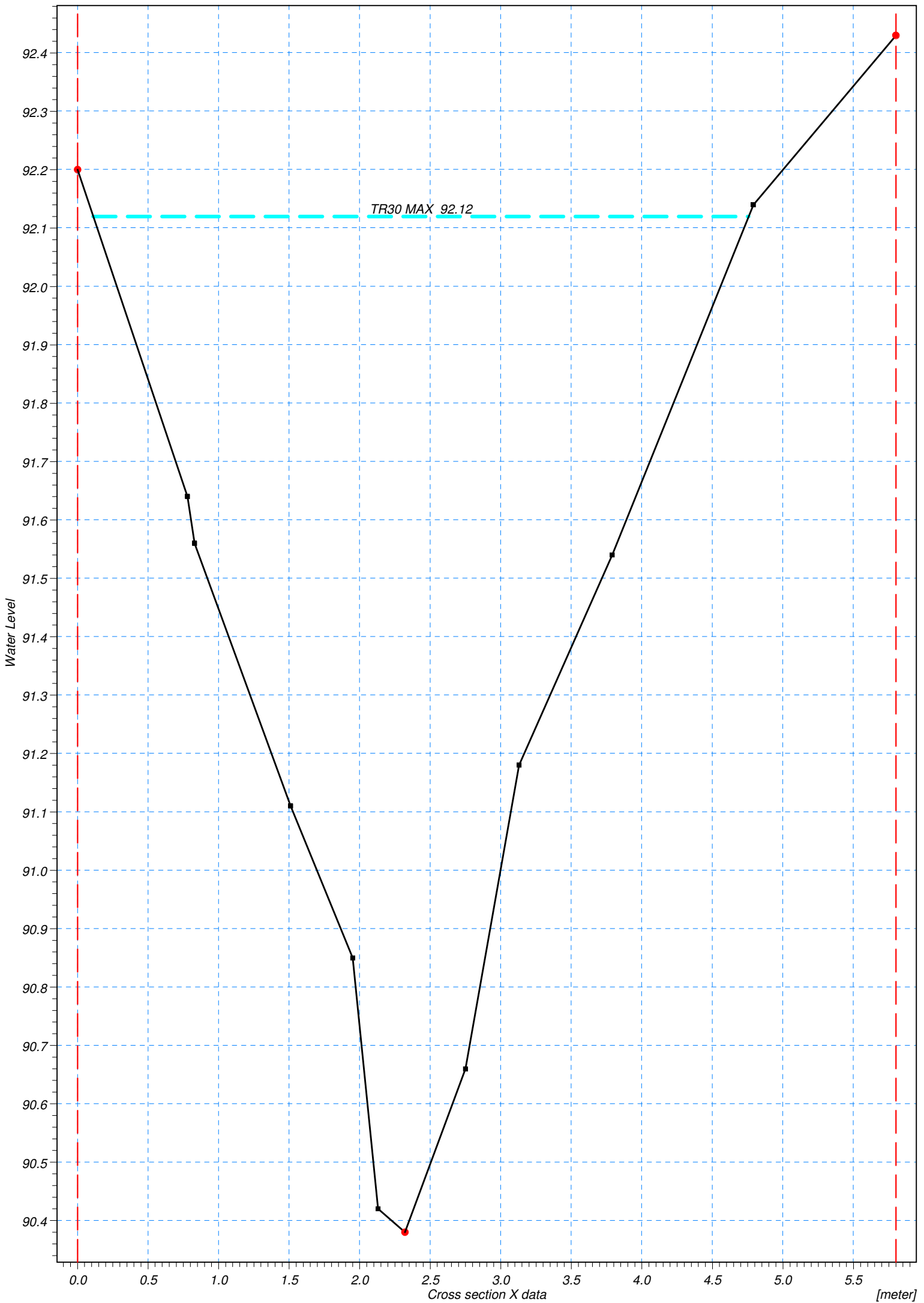


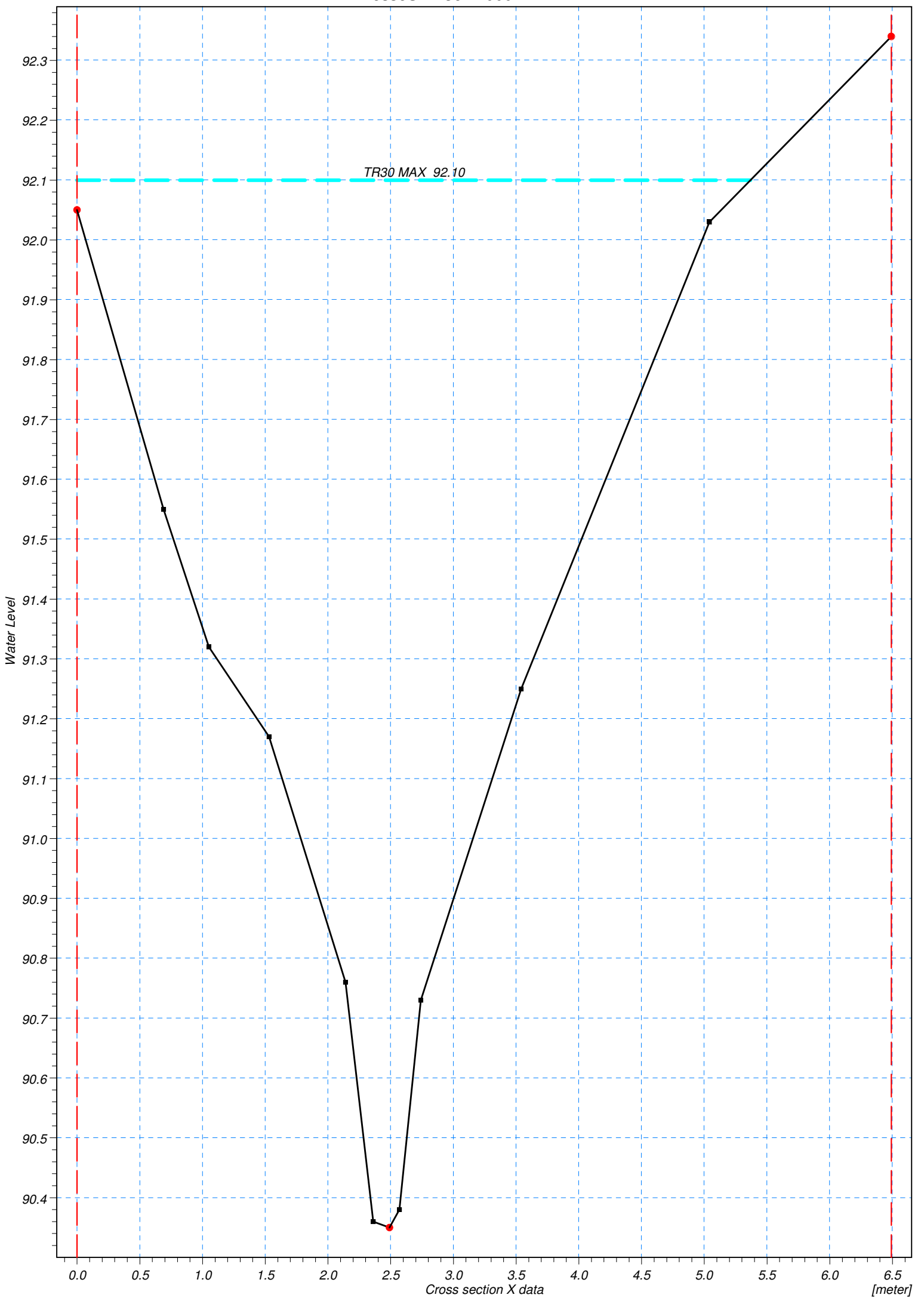


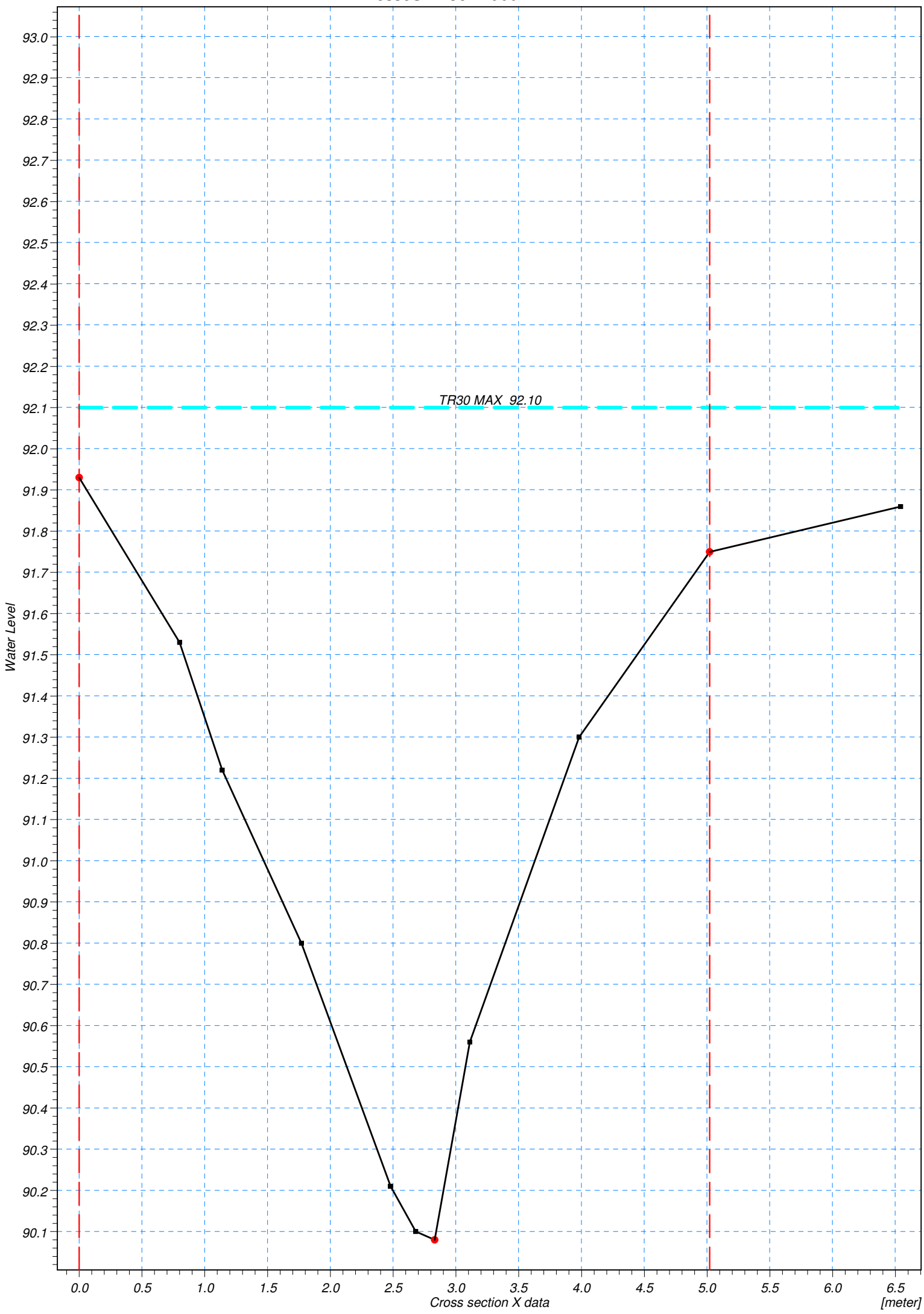


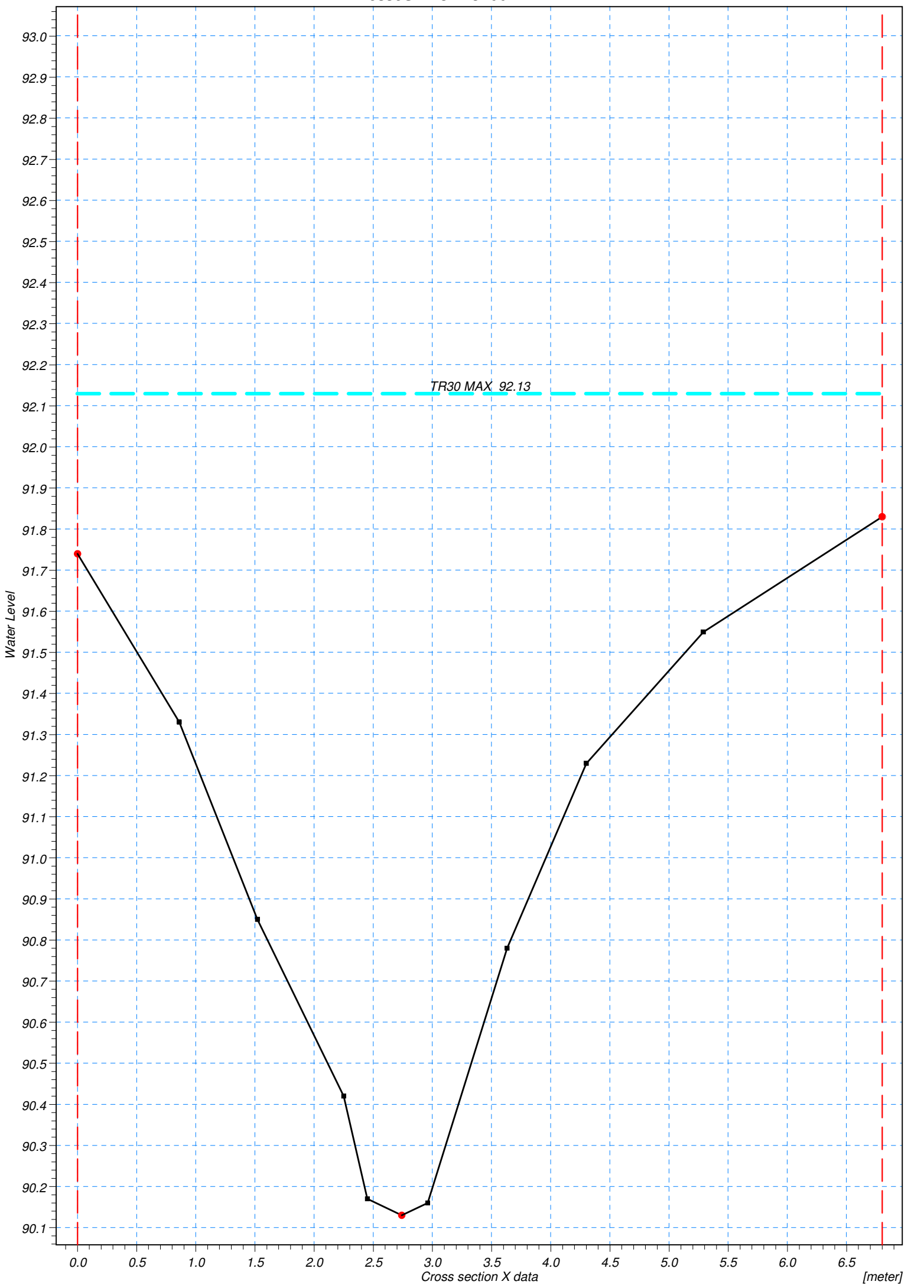


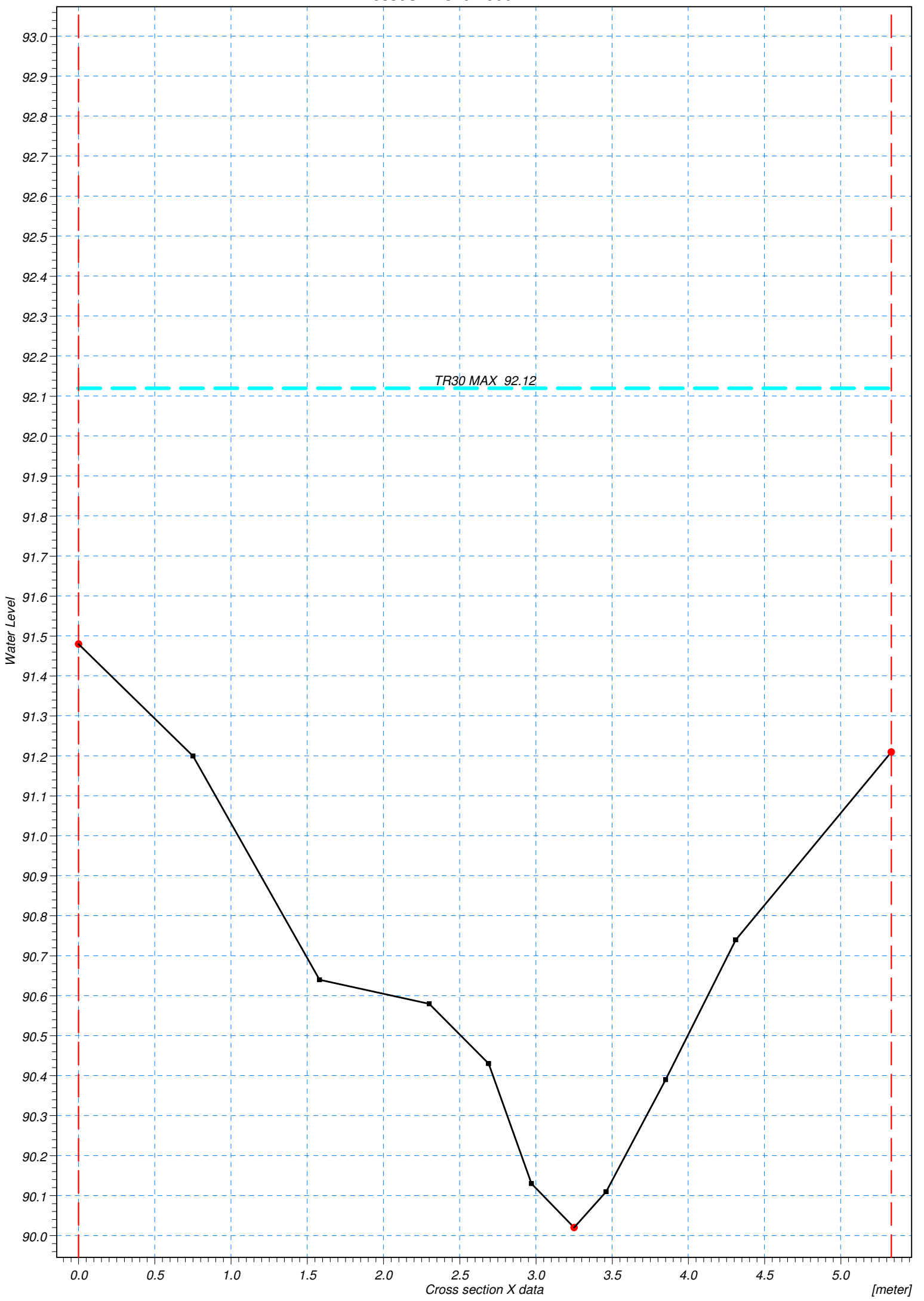


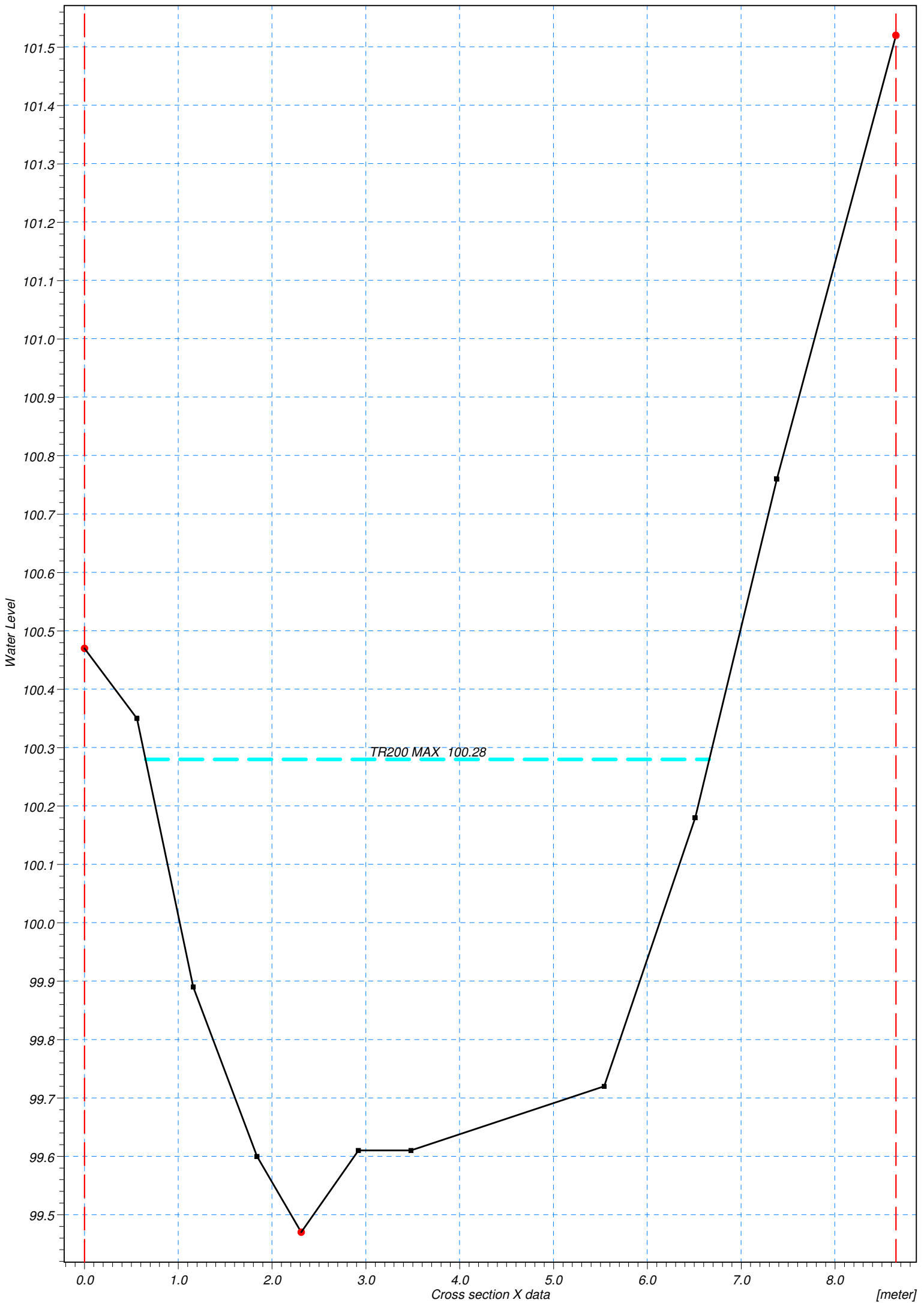


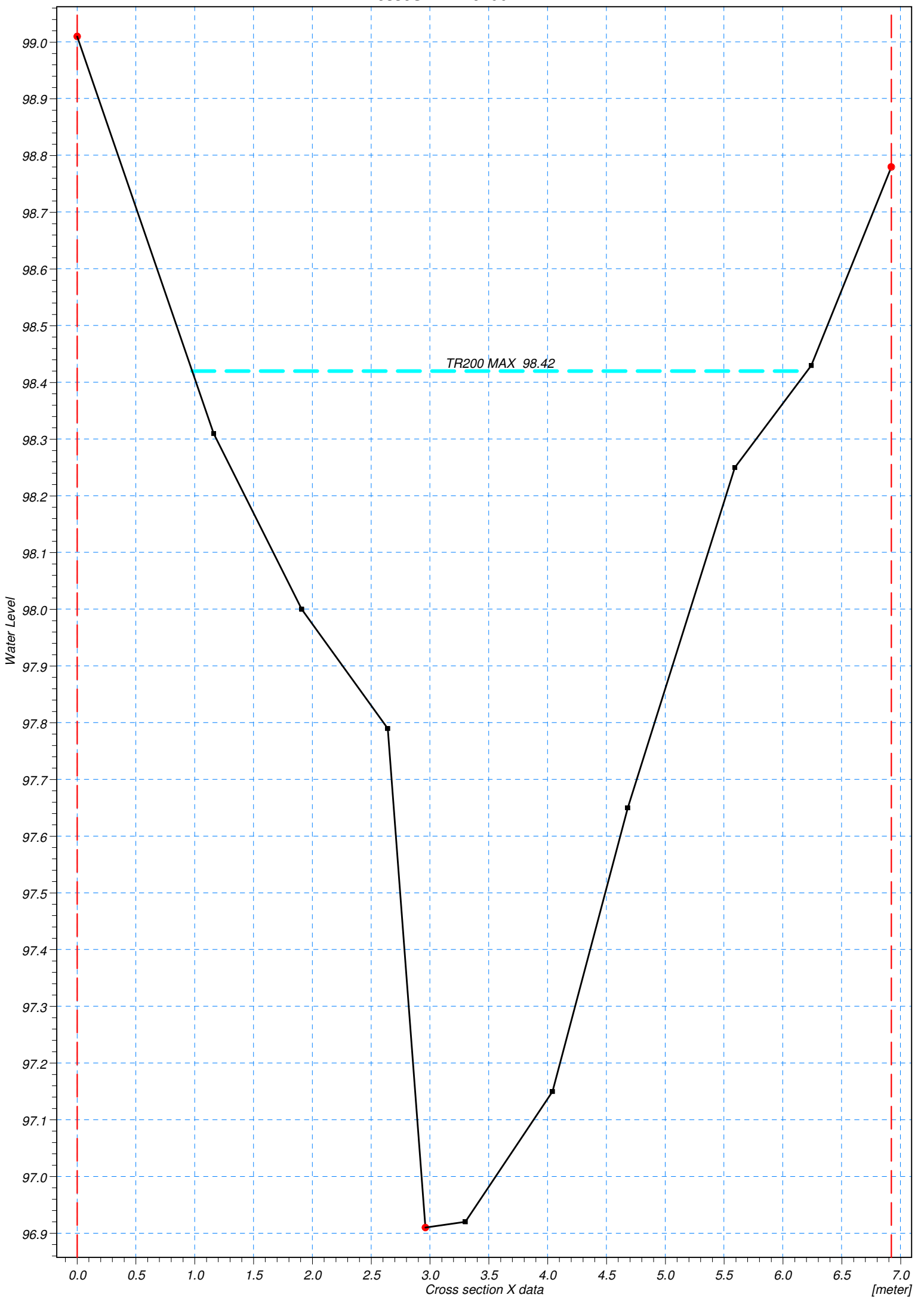


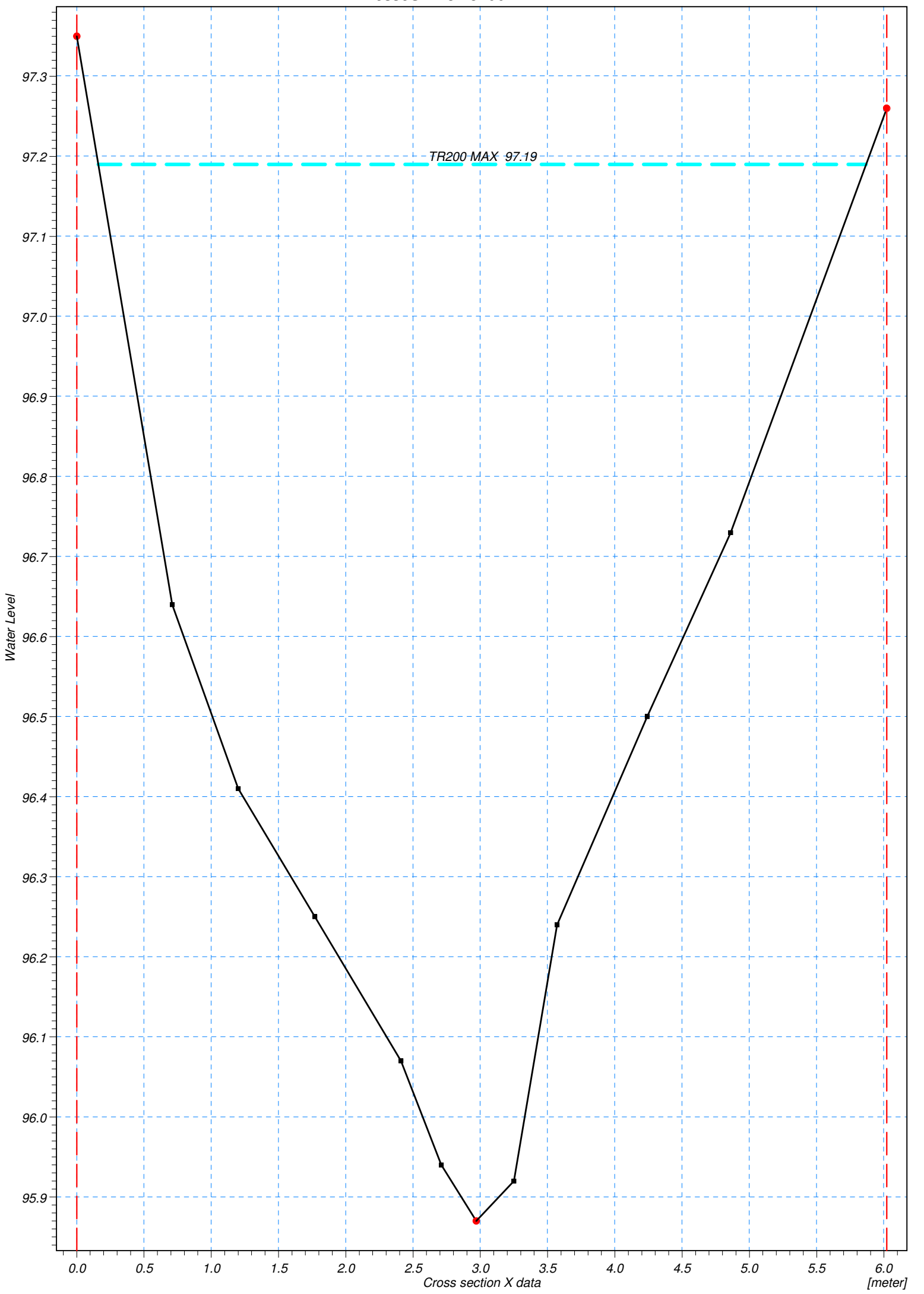


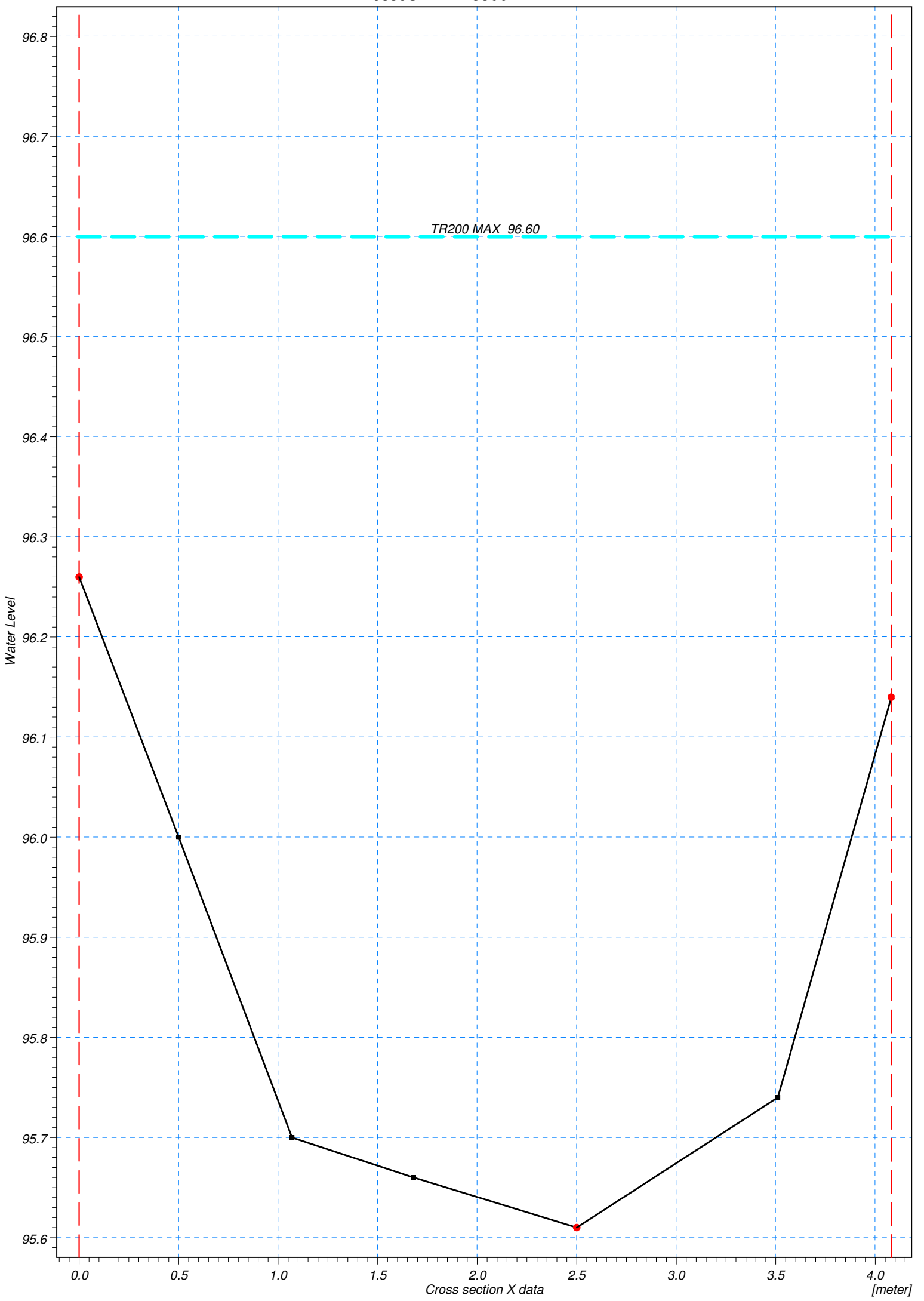


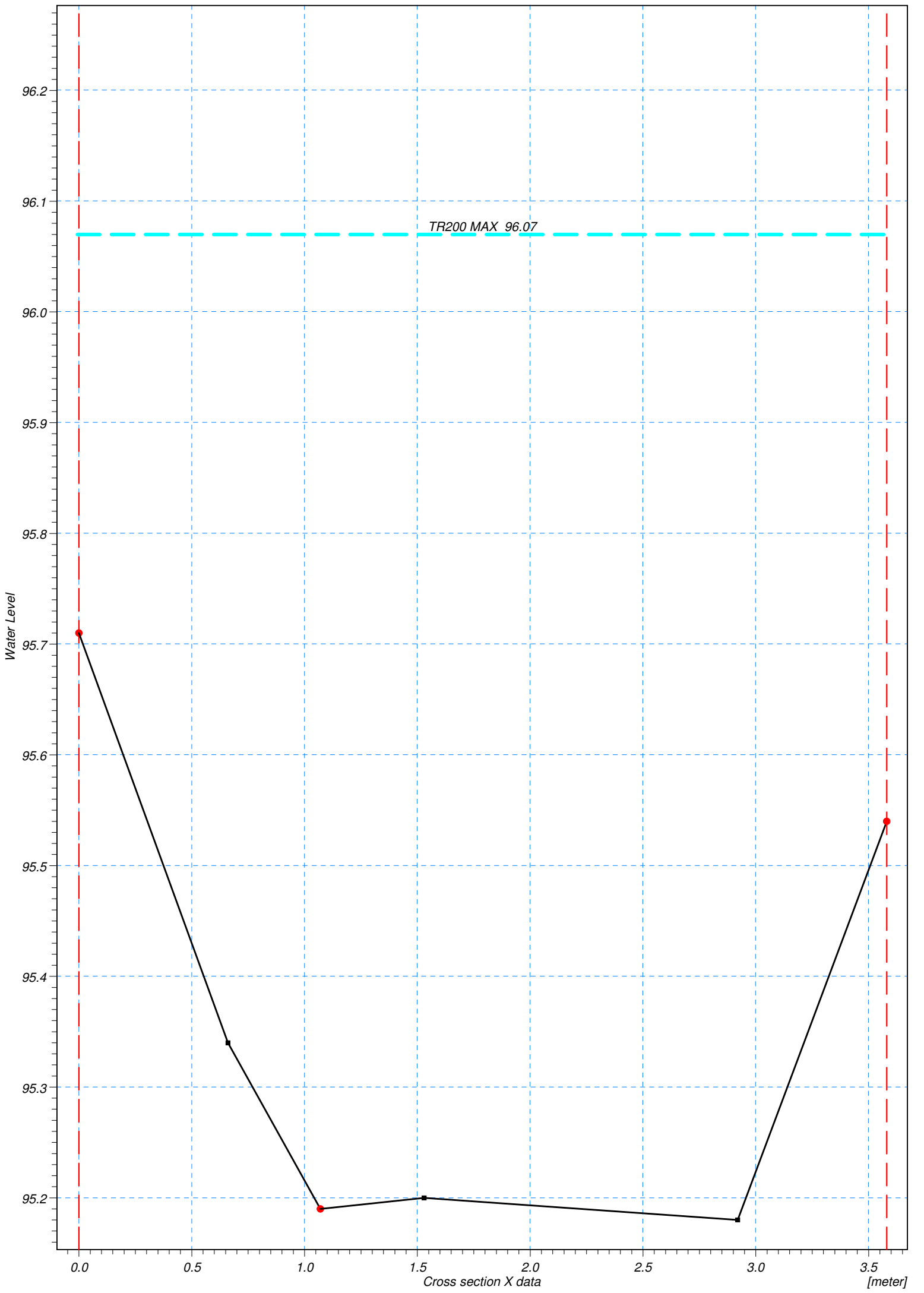


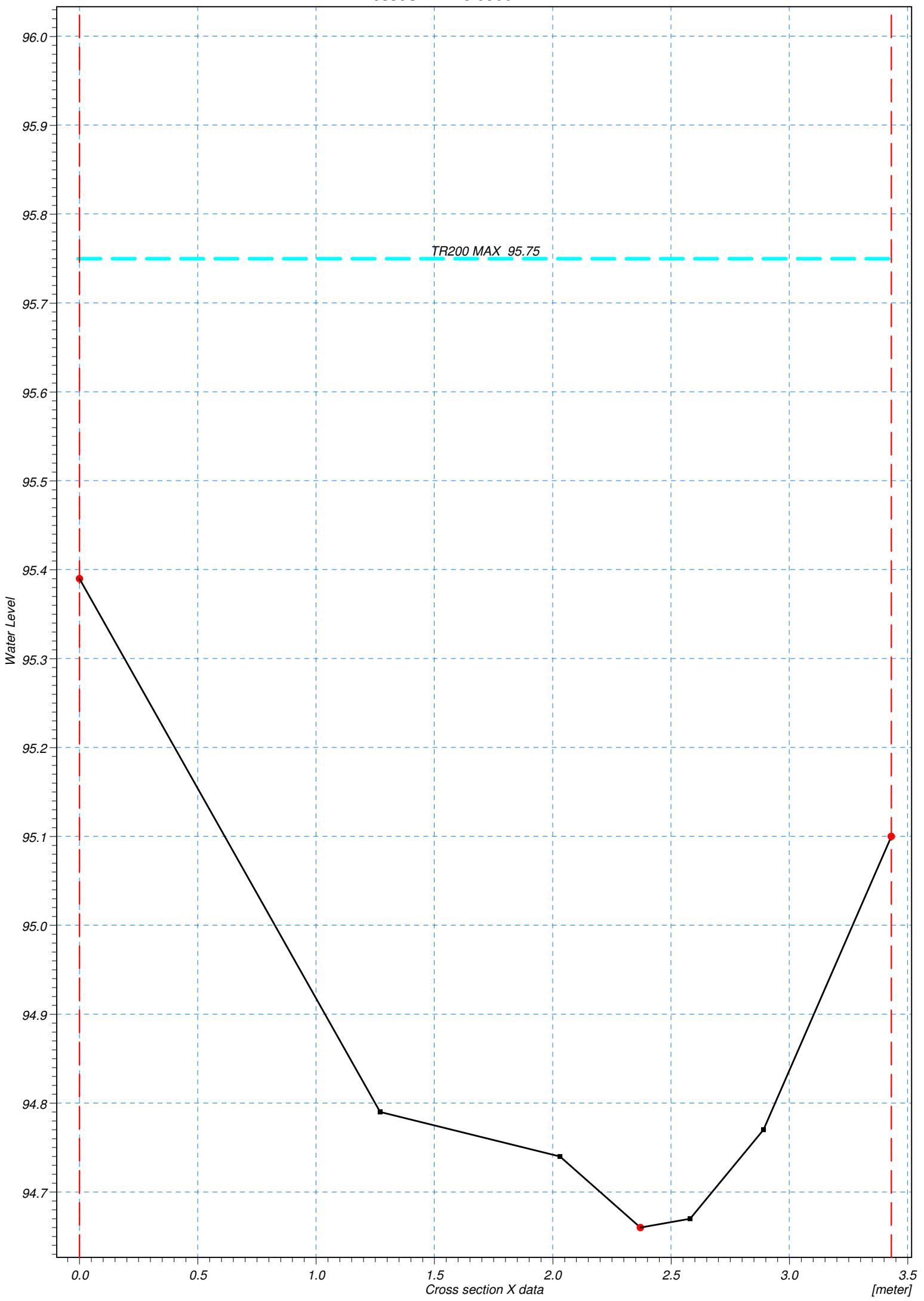


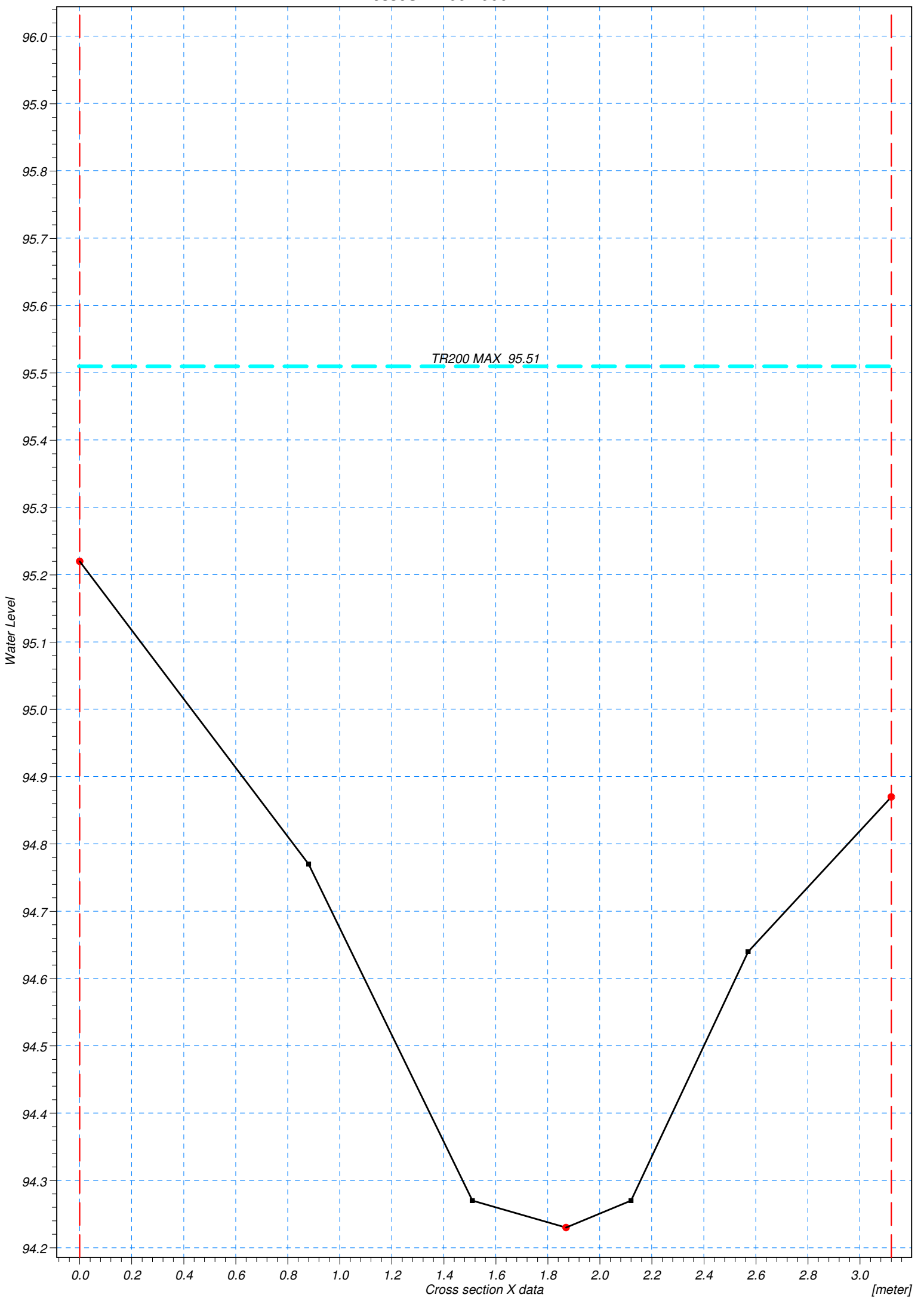


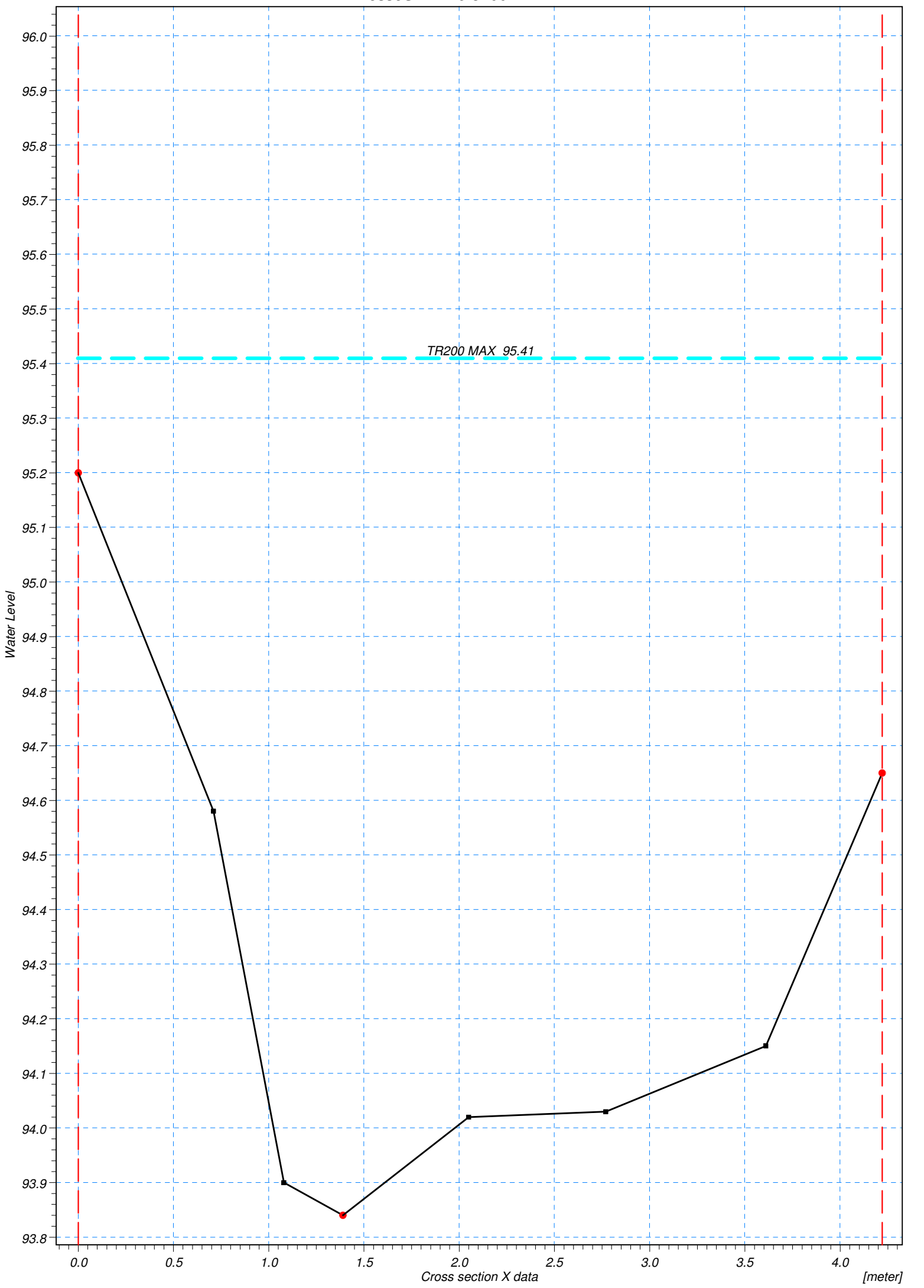


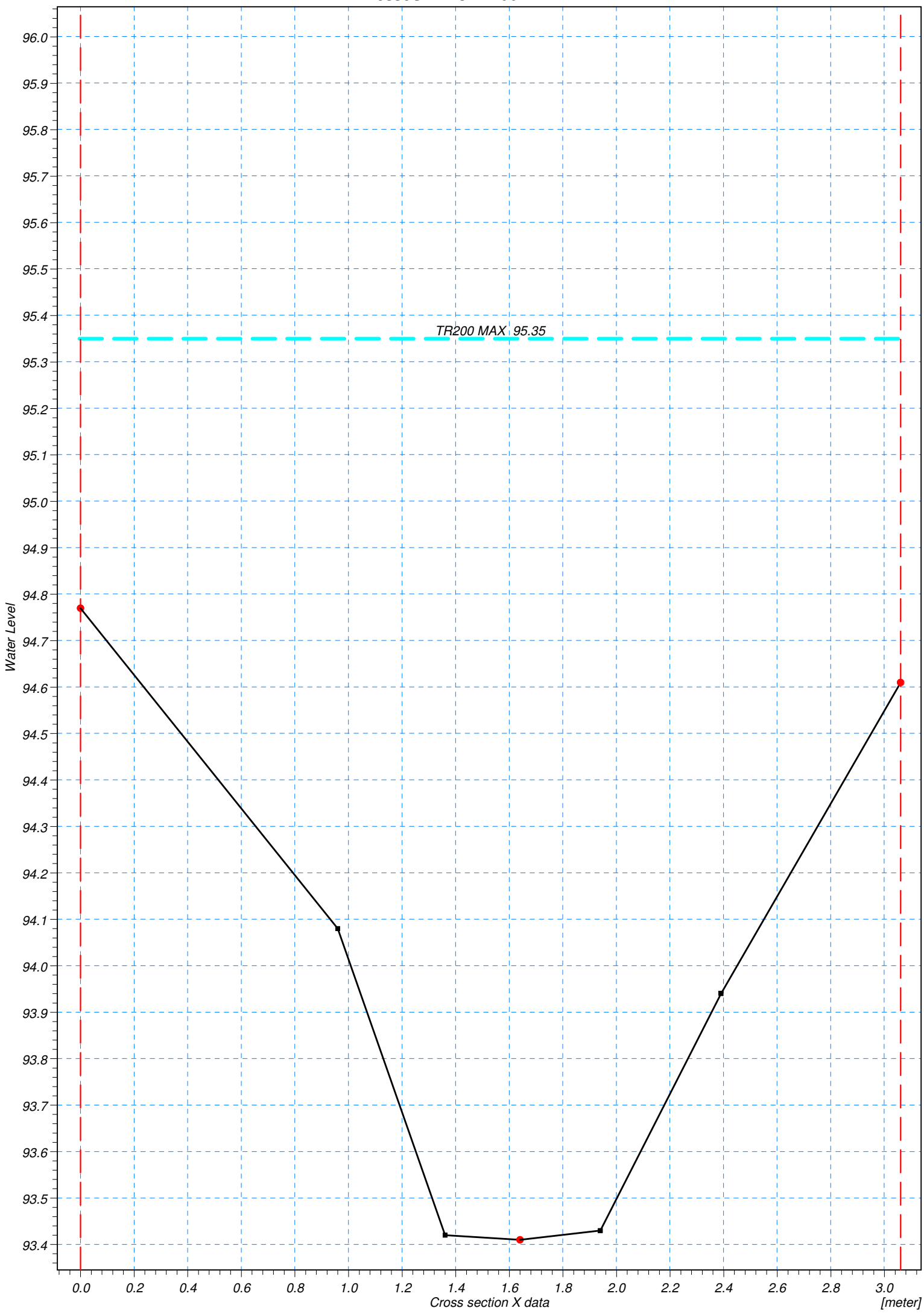


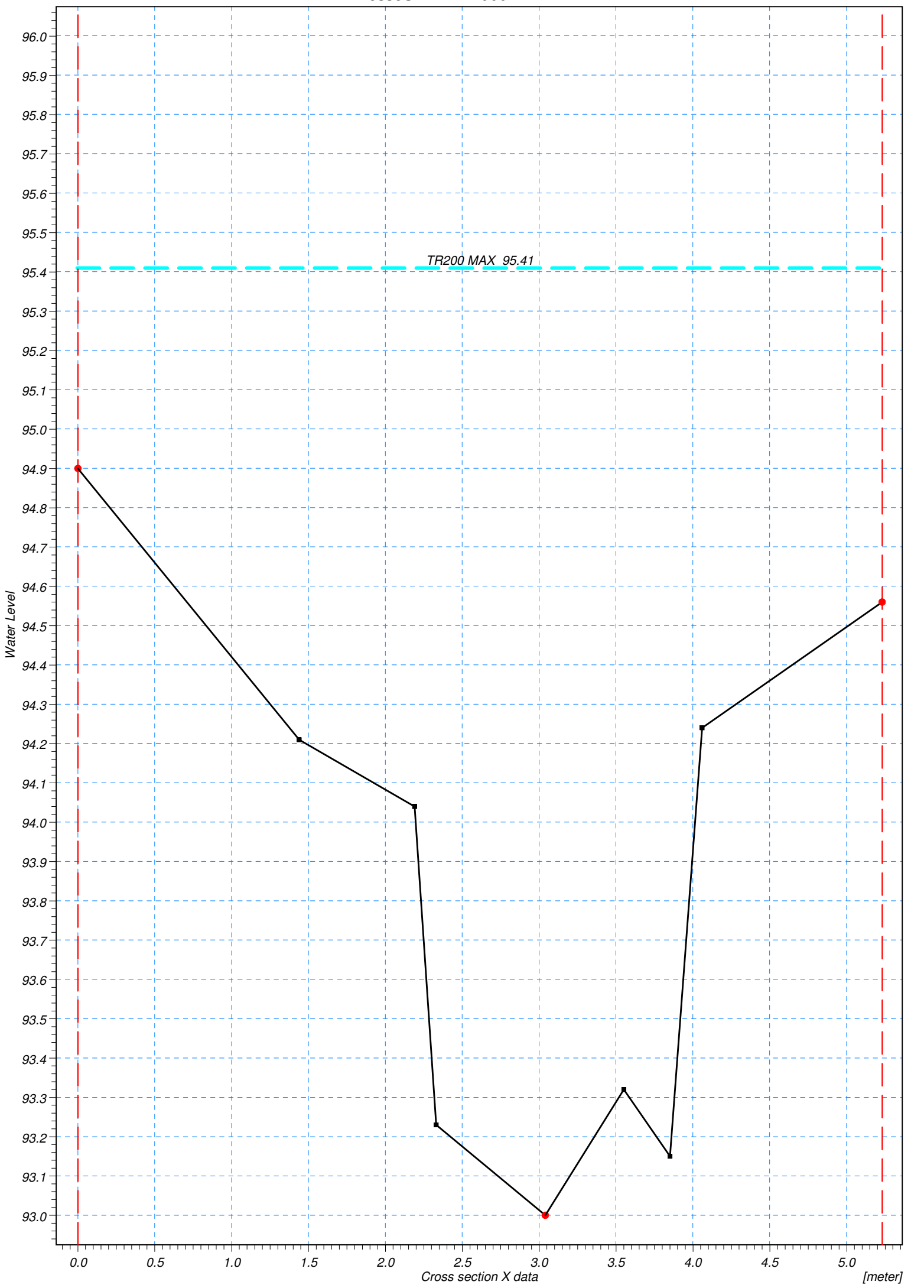












TR200 MAX 95.41

