



COMUNE DI CASOLE D'ELSA

REGOLAMENTO URBANISTICO VARIANTE GENERALE

SINDACO

Piero Pii

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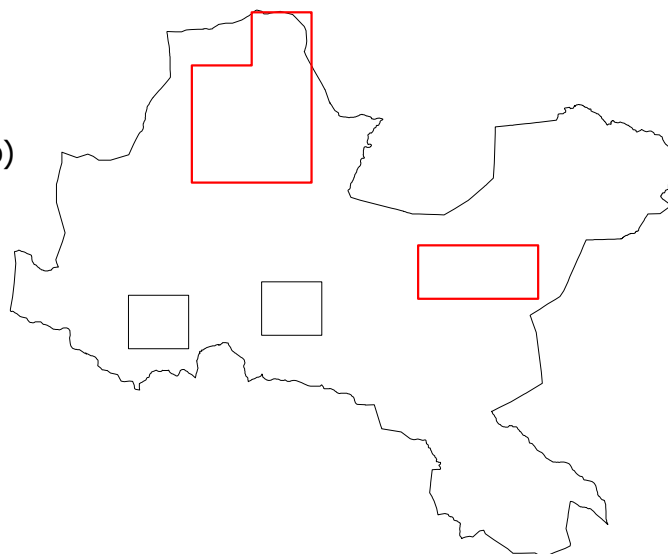
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STUDIO IDRAULICO

ALLEGATO IDRAULICO 5 - INTEGRAZIONE AI RISULTATI
DELLA MODELLAZIONE DEI CORSI D'ACQUA INSISTENTI
SULL'AREA INDUSTRIALE IL PIANO

Marzo 2014

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(Per la decodifica delle sigle fare riferimento alla Relazione Illustrativa o alle tavole grafiche allegate)

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
F_str	area industriale	16	200d1h	0.20	254.12	254.40		254.42	0.006026	0.67	0.30	1.70	0.51
F_str	area industriale	16	200d0.5h	0.20	254.12	254.40		254.42	0.006026	0.67	0.30	1.70	0.51
F_str	area industriale	15	200d1h	0.21	253.55	253.98		253.99	0.001049	0.34	0.60	2.50	0.22
F_str	area industriale	15	200d0.5h	0.21	253.55	253.98		253.99	0.001049	0.34	0.60	2.50	0.22
F_str	area industriale	14.88		Lat Struct									
F_str	area industriale	14	200d1h	0.20	253.24	253.94		253.95	0.000098	0.15	1.32	3.23	0.07
F_str	area industriale	14	200d0.5h	0.20	253.24	253.94		253.95	0.000098	0.15	1.32	3.23	0.07
F_str	area industriale	13.5		Culvert									
F_str	area industriale	13	200d1h	0.19	252.90	253.41		253.42	0.000970	0.33	0.59	2.39	0.21
F_str	area industriale	13	200d0.5h	0.19	252.90	253.40		253.40	0.001159	0.35	0.55	2.25	0.23
F_str	area industriale	12.9	200d1h	0.19	252.90	253.41		253.42	0.000978	0.33	0.59	2.39	0.21
F_str	area industriale	12.9	200d0.5h	0.19	252.90	253.39		253.40	0.001160	0.35	0.54	2.24	0.23
F_str	area industriale	12.89		Lat Struct									
F_str	area industriale	12	200d1h	1.81	252.25	253.26		253.27	0.001359	0.58	3.12	7.24	0.28
F_str	area industriale	12	200d0.5h	1.51	252.25	253.22		253.24	0.001182	0.52	2.89	6.99	0.26
F_str	area industriale	11	200d1h	2.68	252.00	252.88	252.90	253.03	0.013590	1.79	1.68	7.42	0.83
F_str	area industriale	11	200d0.5h	2.04	252.00	252.81	252.77	252.95	0.013892	1.65	1.28	5.07	0.82
F_str	area industriale	10.89		Lat Struct									
F_str	area industriale	10.88		Lat Struct									
F_str	area industriale	10	200d1h	2.33	251.12	252.12		252.14	0.001379	0.73	4.22	15.64	0.29
F_str	area industriale	10	200d0.5h	1.78	251.12	252.08		252.09	0.001188	0.66	3.64	15.64	0.27
F_str	area industriale	9.5		Culvert									
F_str	area industriale	9	200d1h	2.33	251.12	251.87	251.85	252.06	0.017077	1.92	1.21	3.60	0.94
F_str	area industriale	9	200d0.5h	1.78	251.12	251.78		251.95	0.017466	1.81	0.98	2.60	0.94
F_str	area industriale	8.89		Lat Struct									
F_str	area industriale	8.88		Lat Struct									
F_str	area industriale	8	200d1h	1.07	250.12	251.24		251.24	0.000123	0.22	6.08	18.59	0.08
F_str	area industriale	8	200d0.5h	0.89	250.12	251.19		251.19	0.000131	0.22	5.26	18.59	0.09
F_str	area industriale	7.5		Culvert									
F_str	area industriale	7	200d1h	1.06	250.12	251.19		251.19	0.000192	0.26	5.18	18.59	0.10
F_str	area industriale	7	200d0.5h	0.89	250.12	251.13		251.13	0.000258	0.29	4.10	18.59	0.12
F_str	area industriale	6.89		Lat Struct									
F_str	area industriale	6.88		Lat Struct									
F_str	area industriale	6	200d1h	-0.27	250.20	251.18		251.18	0.000006	-0.04	6.31	19.13	0.02
F_str	area industriale	6	200d0.5h	-0.08	250.20	251.13		251.13	0.000001	-0.01	5.19	19.13	0.01
F_str	area industriale	5	200d1h	3.44	249.98	251.11		251.13	0.001257	0.74	6.31	22.03	0.28
F_str	area industriale	5	200d0.5h	2.60	249.98	251.07		251.08	0.001040	0.65	5.49	22.03	0.25
F_str	area industriale	4.5		Culvert									
F_str	area industriale	4	200d1h	3.44	248.72	249.82		249.94	0.006868	1.59	2.16	2.36	0.51
F_str	area industriale	4	200d0.5h	2.60	248.72	249.68		249.78	0.005879	1.39	1.87	2.15	0.48
F_str	area industriale	3	200d1h	3.46	248.72	249.80		249.93	0.007372	1.63	2.12	2.30	0.53
F_str	area industriale	3	200d0.5h	2.61	248.72	249.67		249.77	0.006167	1.42	1.84	2.15	0.49
F_str	area industriale	2	200d1h	3.46	248.72	249.68		249.86	0.010344	1.85	1.88	2.15	0.63
F_str	area industriale	2	200d0.5h	2.61	248.72	249.59		249.71	0.008121	1.57	1.66	2.12	0.56
F_str	area industriale	1	200d1h	3.46	248.42	249.45	249.39	249.52	0.006623	1.38	2.97	9.19	0.54
F_str	area industriale	1	200d0.5h	2.61	248.42	249.34	249.34	249.45	0.010565	1.55	2.01	9.19	0.66
F_ai	area industriale	7	200d1h	2.96	255.70	256.65		256.69	0.002591	0.86	3.80	7.96	0.34
F_ai	area industriale	7	200d0.5h	0.98	255.70	256.51		256.52	0.000903	0.43	2.63	7.96	0.19
F_ai	area industriale	6	200d1h	2.96	255.36	256.62		256.65	0.001966	0.76	4.42	9.88	0.26
F_ai	area industriale	6	200d0.5h	0.98	255.36	256.50		256.51	0.000551	0.36	3.22	9.88	0.14
F_ai	area industriale	5.5		Culvert									
F_ai	area industriale	5	200d1h	2.96	255.36	256.56		256.60	0.002996	0.90	3.84	9.88	0.32
F_ai	area industriale	5	200d0.5h	0.98	255.36	256.42		256.43	0.001153	0.49	2.45	9.88	0.19
F_ai	area industriale	4.99		Lat Struct									
F_ai	area industriale	4.98		Lat Struct									
F_ai	area industriale	4.9	200d1h	0.98	255.00	256.14		256.15	0.000803	0.47	2.09	2.61	0.17
F_ai	area industriale	4.9	200d0.5h	1.14	255.00	256.16		256.17	0.001008	0.53	2.14	2.64	0.19
F_ai	area industriale	4.8	200d1h	1.01	254.92	256.14		256.14	0.000008	0.08	13.15	17.04	0.03
F_ai	area industriale	4.8	200d0.5h	1.14	254.92	256.16		256.16	0.000010	0.09	13.50	17.50	0.03
F_ai	area industriale	4.2	200d1h	1.15	254.92	256.14		256.14	0.000011	0.09	13.15	17.04	0.03
F_ai	area industriale	4.2	200d0.5h	1.24	254.92	256.16		256.16	0.000012	0.09	13.49	17.50	0.03
F_ai	area industriale	4.1	200d1h	1.17	254.92	256.13		256.15	0.001600	0.59	2.04	6.25	0.25
F_ai	area industriale	4.1	200d0.5h	1.26	254.92	256.15		256.17	0.001650	0.61	2.17	7.48	0.26
F_ai	area industriale	4	200d1h	1.27	254.87	256.12		256.13	0.001561	0.61	2.21	7.26	0.25

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
F_ai	area industriale	4	200d0.5h	1.34	254.87	256.14		256.16	0.001495	0.60	2.37	7.30	0.25
F_ai	area industriale	3.5		Culvert									
F_ai	area industriale	3	200d1h	1.25	254.87	255.89		255.93	0.005318	0.93	1.34	2.96	0.44
F_ai	area industriale	3	200d0.5h	1.34	254.87	255.88		255.93	0.006377	1.02	1.31	2.93	0.48
F_ai	area industriale	2.99		Lat Struct									
F_ai	area industriale	2	200d1h	2.36	254.43	255.58		255.61	0.001917	0.76	3.30	8.13	0.30
F_ai	area industriale	2	200d0.5h	1.97	254.43	255.54		255.57	0.001719	0.70	2.97	8.12	0.28
F_ai	area industriale	1	200d1h	1.75	254.18	255.57		255.58	0.000233	0.36	5.25	8.13	0.12
F_ai	area industriale	1	200d0.5h	1.42	254.18	255.53		255.54	0.000184	0.32	4.94	8.13	0.11
F_ai	area industriale	0.95		Culvert									
F_ai	area industriale	0.9	200d1h	1.75	253.72	254.76		254.79	0.000804	0.72	2.47	5.93	0.31
F_ai	area industriale	0.9	200d0.5h	1.42	253.72	254.75		254.76	0.000584	0.60	2.38	5.39	0.26
F_ai	area industriale	0.8	200d1h	1.75	253.72	254.77		254.77	0.000015	0.12	14.80	16.47	0.04
F_ai	area industriale	0.8	200d0.5h	1.42	253.72	254.75		254.75	0.000011	0.10	14.48	16.47	0.03
F_ai	area industriale	0.79		Lat Struct									
F_ai	area industriale	0.2	200d1h	1.63	253.72	254.77		254.77	0.000013	0.11	14.80	16.47	0.04
F_ai	area industriale	0.2	200d0.5h	1.35	253.72	254.75		254.75	0.000010	0.09	14.48	16.47	0.03
F_ai	area industriale	0.15		Culvert									
F_ai	area industriale	0.1	200d1h	1.62	252.90	254.05		254.06	0.000213	0.38	4.67	16.96	0.16
F_ai	area industriale	0.1	200d0.5h	1.29	252.90	254.05		254.05	0.000134	0.30	4.67	16.96	0.13
F_ai	area industriale	0.09	200d1h	0.20	252.90	254.05	253.15	254.05	0.000003	0.05	4.67	16.95	0.02
F_ai	area industriale	0.09	200d0.5h	0.20	252.90	254.05	253.15	254.05	0.000003	0.05	4.67	16.95	0.02
FM	tratto 1	13	200d1h	7.86	264.99	266.07		266.38	0.027457	2.46	3.20	3.54	0.83
FM	tratto 1	13	200d0.5h	5.87	264.99	265.92		266.17	0.026293	2.22	2.65	3.54	0.82
FM	tratto 1	12.9	200d1h	7.86	264.99	265.99	265.96	266.36	0.036219	2.71	2.90	3.54	0.95
FM	tratto 1	12.9	200d0.5h	5.87	264.99	265.85	265.82	266.15	0.035400	2.45	2.39	3.54	0.95
FM	tratto 1	12.89		Lat Struct									
FM	tratto 1	12.88		Lat Struct									
FM	tratto 1	12	200d1h	2.64	263.79	265.10		265.13	0.002783	0.76	3.46	4.79	0.29
FM	tratto 1	12	200d0.5h	2.33	263.79	265.08		265.10	0.002376	0.69	3.35	4.74	0.26
FM	tratto 1	11	200d1h	1.51	263.66	265.13		265.13	0.000426	0.35	4.29	3.93	0.11
FM	tratto 1	11	200d0.5h	1.32	263.66	265.10		265.11	0.000353	0.32	4.18	3.93	0.10
FM	tratto 1	10.5		Culvert									
FM	tratto 1	10	200d1h	1.51	263.66	265.09		265.09	0.000438	0.35	4.35	4.35	0.11
FM	tratto 1	10	200d0.5h	1.32	263.66	265.07		265.07	0.000352	0.31	4.27	4.35	0.10
FM	tratto 1	9.89		Lat Struct									
FM	tratto 1	9.88		Lat Struct									
FM	tratto 1	9	200d1h	0.59	263.65	265.09		265.09	0.000038	0.11	5.60	6.21	0.04
FM	tratto 1	9	200d0.5h	0.49	263.65	265.07		265.07	0.000027	0.09	5.48	6.21	0.03
FM	tratto 1	8	200d1h	0.31	259.99	260.22		260.27	0.031932	0.91	0.34	2.60	0.80
FM	tratto 1	8	200d0.5h	0.31	259.99	260.22		260.27	0.031932	0.91	0.34	2.60	0.80
FM	tratto 1	7.5		Culvert									
FM	tratto 1	7	200d1h	0.31	259.84	260.12		260.17	0.027071	0.99	0.31	1.74	0.75
FM	tratto 1	7	200d0.5h	0.31	259.84	260.12		260.17	0.027071	0.99	0.31	1.74	0.75
FM	tratto 1	6	200d1h	0.32	259.73	259.99		260.01	0.013156	0.71	0.45	2.52	0.53
FM	tratto 1	6	200d0.5h	0.32	259.73	259.99		260.01	0.013156	0.71	0.45	2.52	0.53
FM	tratto 1	5.89		Lat Struct									
FM	tratto 1	5	200d1h	0.36	255.78	257.18		257.18	0.000030	0.09	4.26	5.32	0.03
FM	tratto 1	5	200d0.5h	0.36	255.78	257.18		257.18	0.000030	0.09	4.26	5.32	0.03
FM	tratto 1	4.5		Culvert									
FM	tratto 1	4	200d1h	0.30	255.73	256.17		256.19	0.006044	0.59	0.51	2.00	0.37
FM	tratto 1	4	200d0.5h	0.30	255.73	256.21		256.22	0.004082	0.51	0.59	2.12	0.31
FM	tratto 1	3.89		Lat Struct									
FM	tratto 1	3.88		Lat Struct									
FM	tratto 1	3.1	200d1h	0.29	252.31	253.07		253.08	0.000442	0.23	1.27	2.68	0.11
FM	tratto 1	3.1	200d0.5h	0.29	252.31	253.03		253.04	0.000588	0.26	1.15	2.57	0.12
FM	tratto 1	3	200d1h	0.29	252.31	253.07		253.08	0.000443	0.23	1.27	2.68	0.11
FM	tratto 1	3	200d0.5h	0.29	252.31	253.03		253.03	0.000590	0.26	1.15	2.57	0.12
FM	tratto 1	2.9	200d1h	0.29	252.01	253.07		253.07	0.000103	0.13	2.17	3.46	0.05
FM	tratto 1	2.9	200d0.5h	0.29	252.01	253.02		253.02	0.000128	0.14	2.01	3.34	0.06
FM	tratto 2	2.1	200d1h	4.74	251.90	253.07		253.14	0.006034	1.18	4.30	10.67	0.44
FM	tratto 2	2.1	200d0.5h	4.61	251.90	253.02		253.10	0.007218	1.25	3.83	9.66	0.48
FM	tratto 2	2	200d1h	4.73	251.76	253.02		253.06	0.003799	0.99	5.24	10.82	0.36
FM	tratto 2	2	200d0.5h	4.60	251.76	252.95		253.01	0.005063	1.10	4.53	10.71	0.41

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
FM	tratto 2	1.89		Lat Struct									
FM	tratto 2	1.88		Lat Struct									
FM	tratto 2	1.1	200d1h	0.18	250.77	252.69		252.69	0.000001	0.02	9.16	8.01	0.01
FM	tratto 2	1.1	200d0.5h	4.05	250.77	252.42		252.44	0.001015	0.60	6.97	8.01	0.18
FM	tratto 2	1	200d1h	0.18	250.77	252.69		252.69	0.000001	0.02	9.16	8.01	0.01
FM	tratto 2	1	200d0.5h	4.05	250.77	252.42		252.44	0.001019	0.60	6.96	8.01	0.18
BMC	tratto 1	18	200d1h	4.95	266.03	266.86	266.94	267.21	0.034152	2.63	1.88	3.97	1.22
BMC	tratto 1	18	200d0.5h	4.38	266.03	266.81	266.89	267.14	0.033767	2.55	1.72	3.76	1.20
BMC	tratto 1	17.9	200d1h	4.95	266.03	266.82	266.94	267.23	0.041974	2.85	1.74	3.78	1.34
BMC	tratto 1	17.9	200d0.5h	4.38	266.03	266.78	266.89	267.17	0.041746	2.77	1.58	3.57	1.33
BMC	tratto 1	17.89		Lat Struct									
BMC	tratto 1	17	200d1h	3.00	263.55	265.22		265.24	0.000764	0.60	5.02	4.74	0.19
BMC	tratto 1	17	200d0.5h	2.80	263.55	265.20		265.21	0.000721	0.57	4.88	4.74	0.18
BMC	tratto 1	16.5		Culvert									
BMC	tratto 1	16	200d1h	2.73	262.93	264.51		264.52	0.001426	0.53	5.19	5.86	0.18
BMC	tratto 1	16	200d0.5h	1.96	262.93	264.41		264.42	0.001002	0.42	4.62	5.52	0.15
BMC	tratto 1	15.5		Lat Struct									
BMC	tratto 1	15.1	200d1h	0.71	262.91	264.53	263.32	264.53	0.000075	0.12	5.78	6.48	0.04
BMC	tratto 1	15.1	200d0.5h	0.27	262.91	264.42	263.17	264.42	0.000015	0.05	5.10	6.19	0.02
BMC	tratto 1	15.05		Inl Struct									
BMC	tratto 1	15	200d1h	0.71	262.91	264.53		264.53	0.000076	0.12	5.77	6.48	0.04
BMC	tratto 1	15	200d0.5h	0.27	262.91	264.42		264.42	0.000015	0.05	5.10	6.19	0.02
BMC	tratto 1	14.99		Lat Struct									
BMC	tratto 1	14.9	200d1h	0.03	262.91	264.53		264.53	0.000000	0.01	5.78	6.48	0.00
BMC	tratto 1	14.9	200d0.5h	0.01	262.91	264.42		264.42	0.000000	0.00	5.10	6.19	0.00
BMC	tratto 1	14	200d1h	0.18	252.83	253.06		253.09	0.031409	0.76	0.23	1.73	0.66
BMC	tratto 1	14	200d0.5h	0.18	252.83	253.06		253.09	0.031409	0.76	0.23	1.73	0.66
BMC	tratto 2	13.9	200d1h	0.51	252.30	253.06		253.08	0.006736	0.63	0.82	2.15	0.32
BMC	tratto 2	13.9	200d0.5h	0.51	252.30	253.06		253.08	0.006736	0.63	0.82	2.15	0.32
BMC	tratto 2	13.8	200d1h	0.51	252.30	253.05		253.08	0.006946	0.63	0.81	2.13	0.33
BMC	tratto 2	13.8	200d0.5h	0.51	252.30	253.05		253.08	0.006946	0.63	0.81	2.13	0.33
BMC	tratto 2	13.79		Lat Struct									
BMC	tratto 2	13.78		Lat Struct									
BMC	tratto 2	13	200d1h	-2.22	251.19	252.28		252.29	0.001061	-0.39	5.66	8.32	0.15
BMC	tratto 2	13	200d0.5h	-1.47	251.19	252.23		252.23	0.000604	-0.28	5.20	8.32	0.11
BMC	tratto 2	12.96	200d1h	4.12	251.00	252.28		252.30	0.001944	0.64	6.20	8.32	0.21
BMC	tratto 2	12.96	200d0.5h	3.18	251.00	252.06		252.09	0.003368	0.74	4.42	8.32	0.27
BMC	tratto 2	12.95	200d1h	4.17	251.00	252.27		252.30	0.002023	0.65	6.17	8.32	0.21
BMC	tratto 2	12.95	200d0.5h	3.29	251.00	252.06		252.09	0.003768	0.77	4.36	8.32	0.29
BMC	tratto 3	12.9	200d1h	1.62	250.68	252.27		252.28	0.000705	0.36	4.54	4.76	0.12
BMC	tratto 3	12.9	200d0.5h	3.42	250.68	252.06		252.10	0.006781	0.98	3.50	4.76	0.36
BMC	tratto 3	12.8	200d1h	1.62	250.68	252.27		252.28	0.000706	0.36	4.53	4.76	0.12
BMC	tratto 3	12.8	200d0.5h	3.42	250.68	252.05		252.10	0.007000	0.99	3.46	4.76	0.37
BMC	tratto 3	12.79		Lat Struct									
BMC	tratto 3	12.78		Lat Struct									
BMC	tratto 3	12	200d1h	-1.00	250.68	252.27		252.28	0.000267	-0.22	4.57	4.76	0.07
BMC	tratto 3	12	200d0.5h	1.33	250.68	251.95		251.96	0.001546	0.44	3.04	4.67	0.17
BMC	tratto 3	11.1	200d1h	3.28	249.87	252.26		252.27	0.000205	0.29	11.04	6.60	0.07
BMC	tratto 3	11.1	200d0.5h	2.75	249.87	251.87		251.88	0.000317	0.32	8.46	6.60	0.08
BMC	tratto 3	11	200d1h	3.33	249.87	252.26		252.27	0.000212	0.29	11.03	6.60	0.07
BMC	tratto 3	11	200d0.5h	2.75	249.87	251.87		251.88	0.000317	0.32	8.46	6.60	0.08
BMC	tratto 4	10	200d1h	5.44	249.78	252.26		252.27	0.000602	0.49	11.28	7.50	0.12
BMC	tratto 4	10	200d0.5h	5.35	249.78	251.87		251.89	0.001426	0.65	8.35	7.43	0.19
BMC	tratto 4	9.9	200d1h	5.44	249.78	252.26		252.27	0.000603	0.49	11.27	7.50	0.12
BMC	tratto 4	9.9	200d0.5h	5.35	249.78	251.87		251.89	0.001431	0.65	8.34	7.43	0.19
BMC	tratto 4	9.89		Lat Struct									
BMC	tratto 4	9.88		Lat Struct									
BMC	tratto 4	9	200d1h	12.00	249.69	252.19	250.84	252.22	0.000616	0.77	15.50	9.17	0.19
BMC	tratto 4	9	200d0.5h	9.21	249.69	251.80	250.70	251.83	0.000789	0.77	11.93	9.17	0.22
BMC	tratto 4	8.5		Bridge									
BMC	tratto 4	8	200d1h	12.00	249.69	251.95		251.99	0.000968	0.90	13.30	9.17	0.24
BMC	tratto 4	8	200d0.5h	9.21	249.69	251.63		251.67	0.001167	0.89	10.38	8.83	0.26
BMC	tratto 4	7	200d1h	12.02	249.09	251.94	250.33	251.96	0.000389	0.67	19.11	17.21	0.16
BMC	tratto 4	7	200d0.5h	9.20	249.09	251.61	250.18	251.64	0.000460	0.65	14.42	11.88	0.17

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
BMC	tratto 4	6.5		Bridge									
BMC	tratto 4	6	200d1h	11.99	249.09	251.78		251.81	0.000544	0.75	16.58	14.41	0.19
BMC	tratto 4	6	200d0.5h	9.17	249.09	251.51		251.54	0.000562	0.70	13.29	10.76	0.18
BMC	tratto 4	5	200d1h	11.98	249.12	251.72		251.77	0.001065	0.93	12.88	9.09	0.25
BMC	tratto 4	5	200d0.5h	9.17	249.12	251.46		251.49	0.001051	0.87	10.57	8.22	0.24
BMC	tratto 4	4	200d1h	11.98	249.19	251.74	250.15	251.74	0.000179	0.43	27.99	17.52	0.11
BMC	tratto 4	4	200d0.5h	9.16	249.19	251.47	250.05	251.47	0.000168	0.39	23.48	16.06	0.10
BMC	tratto 4	3.5		Bridge									
BMC	tratto 4	3	200d1h	11.94	249.19	251.68		251.69	0.000303	0.44	27.03	17.15	0.11
BMC	tratto 4	3	200d0.5h	9.16	249.19	251.44		251.45	0.000277	0.40	23.03	15.95	0.11
BMC	tratto 4	2	200d1h	11.92	249.58	251.63		251.69	0.002401	1.03	11.58	9.40	0.30
BMC	tratto 4	2	200d0.5h	9.16	249.58	251.39		251.44	0.002598	0.98	9.38	8.94	0.30
BMC	tratto 4	1	200d1h	11.81	248.16	250.43	249.63	250.45	0.000548	0.57	21.19	17.89	0.14
BMC	tratto 4	1	200d0.5h	9.10	248.16	250.14	249.56	250.16	0.000791	0.60	16.02	17.89	0.17
BF	tratto 1	20	200d1h	7.77	260.53	262.26		262.34	0.004442	1.32	6.04	8.39	0.41
BF	tratto 1	20	200d0.5h	5.83	260.53	261.98		262.07	0.006188	1.35	4.33	5.33	0.48
BF	tratto 1	19	200d1h	7.73	258.67	262.11	259.91	262.11	0.000136	0.38	22.61	13.79	0.08
BF	tratto 1	19	200d0.5h	5.67	258.67	261.76	259.73	261.77	0.000145	0.36	17.88	13.79	0.08
BF	tratto 1	18.5		Bridge									
BF	tratto 1	18	200d1h	7.73	258.66	260.22		260.35	0.007522	1.59	4.88	5.50	0.54
BF	tratto 1	18	200d0.5h	5.67	258.66	260.07		260.17	0.006383	1.39	4.09	4.95	0.49
BF	tratto 1	17.89		Lat Struct									
BF	tratto 1	17	200d1h	7.88	258.31	259.39		259.54	0.021335	1.71	4.60	9.61	0.79
BF	tratto 1	17	200d0.5h	5.85	258.31	259.29		259.42	0.021840	1.58	3.70	8.94	0.79
BF	tratto 1	16	200d1h	3.11	255.70	256.63		256.64	0.000866	0.40	7.75	13.45	0.17
BF	tratto 1	16	200d0.5h	3.06	255.70	256.62		256.63	0.000856	0.40	7.69	13.42	0.17
BF	tratto 1	15.89		Lat Struct									
BF	tratto 1	15	200d1h	2.55	255.52	256.44		256.53	0.012934	1.33	1.91	3.73	0.60
BF	tratto 1	15	200d0.5h	2.52	255.52	256.44		256.53	0.012776	1.32	1.90	3.72	0.59
BF	tratto 1	14.1	200d1h	1.87	254.02	254.92		254.95	0.004357	0.80	2.35	4.62	0.36
BF	tratto 1	14.1	200d0.5h	1.86	254.02	254.92		254.96	0.004249	0.79	2.36	4.63	0.35
BF	tratto 2	14	200d1h	2.41	254.02	254.92		254.98	0.007241	1.03	2.35	4.62	0.46
BF	tratto 2	14	200d0.5h	2.42	254.02	254.92		254.98	0.007180	1.03	2.36	4.63	0.46
BF	tratto 2	13.9	200d1h	2.41	254.02	254.91		254.97	0.007621	1.05	2.30	4.58	0.47
BF	tratto 2	13.9	200d0.5h	2.42	254.02	254.91		254.97	0.007544	1.04	2.31	4.59	0.47
BF	tratto 2	13.89		Lat Struct									
BF	tratto 2	13.88		Lat Struct									
BF	tratto 2	13.48		Lat Struct									
BF	tratto 2	13	200d1h	1.72	253.13	254.27		254.29	0.001151	0.50	3.42	4.45	0.18
BF	tratto 2	13	200d0.5h	1.95	253.13	254.20		254.22	0.001959	0.63	3.11	4.45	0.24
BF	tratto 2	12.9	200d1h	3.56	253.13	254.15		254.23	0.008143	1.23	2.88	4.45	0.49
BF	tratto 2	12.9	200d0.5h	2.98	253.13	254.13		254.19	0.006330	1.07	2.78	4.45	0.43
BF	tratto 2	12.89		Lat Struct									
BF	tratto 2	12.49		Lat Struct									
BF	tratto 2	12	200d1h	2.72	251.82	253.32		253.34	0.001523	0.64	4.28	4.41	0.21
BF	tratto 2	12	200d0.5h	3.51	251.82	253.17		253.22	0.004245	0.98	3.59	4.41	0.35
BF	tratto 2	11.9	200d1h	5.30	251.82	253.15		253.27	0.010208	1.51	3.52	4.41	0.54
BF	tratto 2	11.9	200d0.5h	4.77	251.82	253.03		253.16	0.013562	1.60	2.98	4.41	0.62
BF	tratto 2	11.89		Lat Struct									
BF	tratto 2	11	200d1h	-2.52	250.97	252.63		252.64	0.000762	-0.49	5.14	4.55	0.15
BF	tratto 2	11	200d0.5h	-0.21	250.97	252.37		252.37	0.000011	-0.05	3.97	4.55	0.02
BF	tratto 2	10.5		Culvert									
BF	tratto 2	10	200d1h	-2.54	250.87	252.69		252.70	0.000408	-0.42	6.05	4.93	0.12
BF	tratto 2	10	200d0.5h	-1.18	250.87	252.42		252.42	0.000182	-0.25	4.70	4.93	0.08
BF	tratto 2	9.9	200d1h	-2.54	250.87	252.69		252.70	0.000407	-0.42	6.05	4.93	0.12
BF	tratto 2	9.9	200d0.5h	-1.18	250.87	252.42		252.42	0.000182	-0.25	4.70	4.93	0.08
BF	tratto 3	9	200d1h	-2.36	250.71	252.69		252.70	0.000111	-0.27	8.62	6.40	0.08
BF	tratto 3	9	200d0.5h	2.87	250.71	252.42		252.43	0.000322	0.42	6.87	6.40	0.13
BF	tratto 3	8.9	200d1h	-2.36	250.71	252.69		252.70	0.000112	-0.27	8.62	6.40	0.08
BF	tratto 3	8.9	200d0.5h	2.87	250.71	252.42		252.43	0.000322	0.42	6.86	6.40	0.13
BF	tratto 3	8.89		Lat Struct									
BF	tratto 3	8.88		Lat Struct									
BF	tratto 3	8	200d1h	6.13	250.59	252.65	251.52	252.67	0.000693	0.62	9.81	7.52	0.17
BF	tratto 3	8	200d0.5h	5.30	250.59	252.36	251.46	252.39	0.001057	0.69	7.66	7.28	0.22

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
BF	tratto 3	7.5		Bridge									
BF	tratto 3	7	200d1h	6.07	250.56	252.00		252.07	0.003764	1.12	5.39	6.52	0.39
BF	tratto 3	7	200d0.5h	4.81	250.56	251.85		251.91	0.004008	1.08	4.44	5.96	0.40
BF	tratto 3	6.9	200d1h	6.07	250.56	252.00		252.06	0.003750	1.11	5.48	6.84	0.39
BF	tratto 3	6.9	200d0.5h	4.81	250.56	251.85		251.91	0.004059	1.08	4.48	6.19	0.40
BF	tratto 4	6	200d1h	8.62	250.51	252.00		252.09	0.003879	1.42	7.29	11.97	0.43
BF	tratto 4	6	200d0.5h	5.14	250.51	251.85		251.90	0.002673	1.07	5.58	10.14	0.35
BF	tratto 4	5.9	200d1h	8.62	250.51	252.00		252.08	0.003962	1.43	7.23	11.91	0.43
BF	tratto 4	5.9	200d0.5h	5.14	250.51	251.84		251.90	0.002709	1.07	5.55	10.10	0.35
BF	tratto 4	5.8	200d1h	9.49	250.51	251.94		252.07	0.006099	1.72	6.57	11.23	0.53
BF	tratto 4	5.8	200d0.5h	6.66	250.51	251.74		251.87	0.007245	1.63	4.60	8.92	0.56
BF	tratto 4	5.78		Lat Struct									
BF	tratto 4	5	200d1h	3.94	249.05	251.31		251.31	0.000056	0.24	18.67	16.98	0.06
BF	tratto 4	5	200d0.5h	6.94	249.05	250.67		250.70	0.000857	0.74	9.39	7.96	0.22
BF	tratto 4	4.9	200d1h	3.94	249.05	251.31		251.31	0.000056	0.24	18.66	16.98	0.06
BF	tratto 4	4.9	200d0.5h	6.94	249.05	250.67		250.70	0.000859	0.74	9.38	7.96	0.22
BF	tratto 4	4.88		Lat Struct									
BF	tratto 4	4	200d1h	8.25	248.60	251.15		251.17	0.000482	0.67	12.40	8.00	0.16
BF	tratto 4	4	200d0.5h	7.41	248.60	250.37		250.43	0.002251	1.10	6.72	6.49	0.35
BF	tratto 4	3.88		Lat Struct									
BF	tratto 4	3	200d1h	11.76	248.22	251.07	249.45	251.10	0.000293	0.70	18.89	13.54	0.16
BF	tratto 4	3	200d0.5h	7.77	248.22	250.18	249.20	250.23	0.001017	0.90	8.62	7.44	0.27
BF	tratto 4	2.5		Bridge									
BF	tratto 4	2	200d1h	11.76	248.22	249.85		250.03	0.005185	1.86	6.34	6.26	0.59
BF	tratto 4	2	200d0.5h	7.77	248.22	249.63		249.75	0.004063	1.54	5.05	5.48	0.51
BF	tratto 4	1	200d1h	11.75	248.13	249.34	249.55	249.94	0.038875	3.44	3.41	5.17	1.35
BF	tratto 4	1	200d0.5h	7.77	248.13	249.14	249.28	249.65	0.039783	3.17	2.45	4.24	1.33
Af5_BMC	tratto 1	6	200d1h	0.76	262.72	263.26		263.38	0.025867	1.48	0.51	1.41	0.79
Af5_BMC	tratto 1	6	200d0.5h	0.81	262.72	263.28		263.40	0.025638	1.51	0.54	1.41	0.78
Af5_BMC	tratto 1	5.9	200d1h	0.76	262.72	263.22	263.21	263.36	0.037729	1.69	0.45	1.41	0.96
Af5_BMC	tratto 1	5.9	200d0.5h	0.81	262.72	263.23	263.22	263.38	0.037275	1.72	0.47	1.41	0.95
Af5_BMC	tratto 1	5.89		Lat Struct									
Af5_BMC	tratto 1	5.88		Lat Struct									
Af5_BMC	tratto 1	5	200d1h	0.04	255.89	256.77		256.77	0.000009	0.04	1.15	2.01	0.02
Af5_BMC	tratto 1	5	200d0.5h	0.04	255.89	256.77		256.77	0.000009	0.04	1.15	2.01	0.02
Af5_BMC	tratto 1	4.5		Culvert									
Af5_BMC	tratto 1	4	200d1h	0.04	255.76	255.96		255.98	0.019829	0.62	0.07	0.61	0.61
Af5_BMC	tratto 1	4	200d0.5h	0.04	255.76	255.96		255.98	0.019829	0.62	0.07	0.61	0.61
Af5_BMC	tratto 1	3	200d1h	0.31	253.27	254.18		254.18	0.000230	0.19	1.68	4.90	0.09
Af5_BMC	tratto 1	3	200d0.5h	0.31	253.27	254.18		254.18	0.000230	0.19	1.68	4.90	0.09
Af5_BMC	tratto 1	2.5		Culvert									
Af5_BMC	tratto 1	2	200d1h	0.31	253.08	253.62		253.64	0.005943	0.67	0.46	1.38	0.37
Af5_BMC	tratto 1	2	200d0.5h	0.31	253.08	253.62		253.64	0.005943	0.67	0.46	1.38	0.37
Af5_BMC	tratto 1	1.88		Lat Struct									
Af5_BMC	tratto 1	1	200d1h	-0.02	252.47	253.61		253.61	0.000000	-0.01	3.69	8.15	0.00
Af5_BMC	tratto 1	1	200d0.5h	-0.18	252.47	253.53		253.53	0.000018	-0.07	3.05	8.15	0.03
Af5_BMC	tratto 1	0.5	200d1h	-0.02	252.47	253.61		253.61	0.000000	-0.01	3.69	8.15	0.00
Af5_BMC	tratto 1	0.5	200d0.5h	-0.18	252.47	253.53		253.53	0.000018	-0.07	3.05	8.15	0.03
Af4_BMC	tratto 1	6	200d1h	0.24	252.66	253.16		253.17	0.001485	0.43	0.56	2.08	0.26
Af4_BMC	tratto 1	6	200d0.5h	0.21	252.66	253.13		253.14	0.001645	0.43	0.50	1.97	0.27
Af4_BMC	tratto 1	5.9	200d1h	0.24	252.66	253.16		253.17	0.001512	0.43	0.56	2.08	0.27
Af4_BMC	tratto 1	5.9	200d0.5h	0.21	252.66	253.13		253.14	0.001676	0.43	0.49	1.97	0.28
Af4_BMC	tratto 1	5.88		Lat Struct									
Af4_BMC	tratto 1	5	200d1h	0.59	252.17	252.72		252.74	0.003811	0.68	0.87	2.71	0.38
Af4_BMC	tratto 1	5	200d0.5h	0.50	252.17	252.63		252.66	0.006095	0.77	0.65	2.43	0.47
Af4_BMC	tratto 1	4.89		Lat Struct									
Af4_BMC	tratto 1	4.88		Lat Struct									
Af4_BMC	tratto 1	4	200d1h	0.34	250.73	252.28		252.28	0.000021	0.09	3.85	4.72	0.03
Af4_BMC	tratto 1	4	200d0.5h	0.23	250.73	252.11		252.11	0.000018	0.07	3.06	4.22	0.03
Af4_BMC	tratto 1	3.89		Lat Struct									
Af4_BMC	tratto 1	3.88		Lat Struct									
Af4_BMC	tratto 1	3	200d1h	0.24	250.47	252.28		252.28	0.000004	0.04	5.25	4.68	0.01
Af4_BMC	tratto 1	3	200d0.5h	1.02	250.47	252.09		252.09	0.000133	0.23	4.34	4.68	0.08

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Af4_BMC	tratto 1	2.95		Culvert									
Af4_BMC	tratto 1	2.9	200d1h	0.20	250.47	252.28		252.28	0.000003	0.04	5.22	4.68	0.01
Af4_BMC	tratto 1	2.9	200d0.5h	1.01	250.47	251.96		251.97	0.000199	0.27	3.76	4.62	0.10
Af4_BMC	tratto 1	2.48		Lat Struct									
Af4_BMC	tratto 1	2	200d1h	2.12	250.22	252.27		252.27	0.000121	0.28	8.12	7.94	0.08
Af4_BMC	tratto 1	2	200d0.5h	3.17	250.22	251.93		251.94	0.000822	0.60	5.43	7.87	0.20
Af4_BMC	tratto 1	1.88		Lat Struct									
Af4_BMC	tratto 1	1.1	200d1h	-2.07	249.88	252.26		252.26	0.000047	-0.21	10.93	9.34	0.05
Af4_BMC	tratto 1	1.1	200d0.5h	3.04	249.88	251.88		251.89	0.000225	0.41	7.82	6.69	0.11
Af4_BMC	tratto 1	1	200d1h	-2.07	249.88	252.26		252.26	0.000047	-0.21	10.93	9.34	0.05
Af4_BMC	tratto 1	1	200d0.5h	3.04	249.88	251.88		251.89	0.000226	0.41	7.82	6.69	0.11
Af3_BMC	tratto 1	15	200d1h	0.54	261.63	262.03		262.12	0.026465	1.33	0.40	1.55	0.83
Af3_BMC	tratto 1	15	200d0.5h	0.60	261.63	262.05		262.14	0.026550	1.37	0.44	1.60	0.84
Af3_BMC	tratto 1	14.9	200d1h	0.54	261.63	261.99	261.99	262.11	0.038456	1.53	0.35	1.46	0.99
Af3_BMC	tratto 1	14.9	200d0.5h	0.60	261.63	262.01	262.01	262.14	0.038005	1.57	0.38	1.51	0.99
Af3_BMC	tratto 1	14.89		Lat Struct									
Af3_BMC	tratto 1	14.88		Lat Struct									
Af3_BMC	tratto 1	14	200d1h	0.85	254.09	254.93		254.95	0.002900	0.64	1.31	2.84	0.30
Af3_BMC	tratto 1	14	200d0.5h	0.87	254.09	254.89		254.92	0.003727	0.72	1.21	2.69	0.34
Af3_BMC	tratto 1	13.88		Lat Struct									
Af3_BMC	tratto 1	13	200d1h	0.75	253.59	254.89		254.89	0.000372	0.30	2.48	2.89	0.10
Af3_BMC	tratto 1	13	200d0.5h	0.62	253.59	254.85		254.85	0.000294	0.26	2.36	2.89	0.09
Af3_BMC	tratto 1	12.5		Culvert									
Af3_BMC	tratto 1	12	200d1h	0.75	253.59	254.08		254.20	0.028341	1.52	0.49	1.55	0.86
Af3_BMC	tratto 1	12	200d0.5h	0.62	253.59	254.03		254.14	0.030313	1.48	0.42	1.45	0.88
Af3_BMC	tratto 1	11.89		Lat Struct									
Af3_BMC	tratto 1	11.88		Lat Struct									
Af3_BMC	tratto 1	11	200d1h	0.77	252.92	253.77		253.79	0.001407	0.49	1.57	2.94	0.21
Af3_BMC	tratto 1	11	200d0.5h	0.64	252.92	253.69		253.70	0.001502	0.48	1.34	2.77	0.22
Af3_BMC	tratto 1	10.1	200d1h	1.82	252.18	253.62		253.63	0.000743	0.48	3.78	4.04	0.16
Af3_BMC	tratto 1	10.1	200d0.5h	1.32	252.18	253.54		253.54	0.000509	0.38	3.45	4.04	0.13
Af3_BMC	tratto 1	10	200d1h	1.79	252.18	253.62		253.63	0.000719	0.47	3.77	4.04	0.16
Af3_BMC	tratto 1	10	200d0.5h	1.32	252.18	253.54		253.54	0.000509	0.38	3.45	4.04	0.13
Af3_BMC	tratto 1	9.5	200d1h	1.76	252.18	253.61		253.62	0.000707	0.47	3.74	4.04	0.16
Af3_BMC	tratto 1	9.5	200d0.5h	1.30	252.18	253.53		253.54	0.000502	0.38	3.43	4.04	0.13
Af3_BMC	tratto 2	9	200d1h	1.73	252.08	253.61		253.62	0.000383	0.37	4.73	4.92	0.12
Af3_BMC	tratto 2	9	200d0.5h	1.12	252.08	253.53		253.53	0.000206	0.26	4.35	4.92	0.09
Af3_BMC	tratto 2	8.99	200d1h	1.73	252.08	253.61		253.62	0.000383	0.37	4.73	4.92	0.12
Af3_BMC	tratto 2	8.99	200d0.5h	1.12	252.08	253.53		253.53	0.000206	0.26	4.34	4.92	0.09
Af3_BMC	tratto 2	8.89		Lat Struct									
Af3_BMC	tratto 2	8.88		Lat Struct									
Af3_BMC	tratto 2	8	200d1h	-1.02	252.15	253.61		253.61	0.000284	-0.29	3.47	3.75	0.10
Af3_BMC	tratto 2	8	200d0.5h	-0.47	252.15	253.53		253.53	0.000080	-0.15	3.16	3.75	0.05
Af3_BMC	tratto 2	7	200d1h	1.49	252.06	253.60		253.61	0.000470	0.46	3.72	4.65	0.13
Af3_BMC	tratto 2	7	200d0.5h	0.90	252.06	253.52		253.52	0.000228	0.30	3.36	4.59	0.09
Af3_BMC	tratto 2	6.5		Culvert									
Af3_BMC	tratto 2	6	200d1h	1.49	252.06	253.21		253.23	0.002230	0.77	2.05	3.65	0.26
Af3_BMC	tratto 2	6	200d0.5h	0.90	252.06	253.06		253.07	0.001671	0.59	1.57	2.84	0.22
Af3_BMC	tratto 2	5.9	200d1h	1.49	252.06	253.20		253.23	0.002254	0.78	2.05	3.64	0.27
Af3_BMC	tratto 2	5.9	200d0.5h	0.90	252.06	253.05		253.07	0.001686	0.59	1.56	2.83	0.22
Af3_BMC	tratto 2	5.89		Lat Struct									
Af3_BMC	tratto 2	5.88		Lat Struct									
Af3_BMC	tratto 2	5	200d1h	1.47	252.01	252.98		253.03	0.006640	1.01	1.46	2.74	0.44
Af3_BMC	tratto 2	5	200d0.5h	0.85	252.01	252.94		252.96	0.002665	0.62	1.37	2.69	0.28
Af3_BMC	tratto 2	4	200d1h	-1.72	251.13	252.17		252.21	0.003515	-0.82	2.11	3.52	0.34
Af3_BMC	tratto 2	4	200d0.5h	0.85	251.13	252.00		252.02	0.002327	0.56	1.50	3.46	0.27
Af3_BMC	tratto 2	3	200d1h	4.54	250.47	252.39		252.43	0.001404	0.86	5.26	3.21	0.22
Af3_BMC	tratto 2	3	200d0.5h	-0.33	250.47	251.88		251.88	0.000021	-0.09	3.60	3.21	0.03
Af3_BMC	tratto 2	2.95		Culvert									
Af3_BMC	tratto 2	2.9	200d1h	4.54	250.35	252.28		252.32	0.001349	0.85	5.36	3.21	0.21
Af3_BMC	tratto 2	2.9	200d0.5h	-0.33	250.35	251.88		251.88	0.000015	-0.08	4.08	3.21	0.02
Af3_BMC	tratto 2	2.89	200d1h	4.54	250.35	252.28	251.16	252.32	0.001349	0.85	5.36	3.21	0.21
Af3_BMC	tratto 2	2.89	200d0.5h	-0.33	250.35	251.88	250.51	251.88	0.000015	0.00	4.08	3.21	0.00
Af3_BMC	tratto 2	2.85		Inl Struct									

River	Reach	River Sta	Plan	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
Af3_BMC	tratto 2	2.81	200d1h	4.44	250.35	252.26		252.30	0.001328	0.84	5.30	3.21	0.21
Af3_BMC	tratto 2	2.81	200d0.5h	-0.42	250.35	251.88		251.88	0.000024	-0.10	4.09	3.21	0.03
Af3_BMC	tratto 2	2.8	200d1h	4.44	250.35	252.26		252.30	0.001328	0.84	5.30	3.21	0.21
Af3_BMC	tratto 2	2.8	200d0.5h	-0.42	250.35	251.88		251.88	0.000024	-0.10	4.09	3.21	0.03
Af3_BMC	tratto 3	2	200d1h	2.38	250.01	252.26		252.27	0.000071	0.26	10.03	8.03	0.06
Af3_BMC	tratto 3	2	200d0.5h	2.62	250.01	251.88		251.89	0.000181	0.37	7.48	6.20	0.10
Af3_BMC	tratto 3	1.9	200d1h	2.38	250.01	252.26		252.27	0.000071	0.26	10.03	8.03	0.06
Af3_BMC	tratto 3	1.9	200d0.5h	2.62	250.01	251.88		251.89	0.000181	0.37	7.48	6.19	0.10
Af3_BMC	tratto 3	1.88		Lat Struct									
Af3_BMC	tratto 3	1.1	200d1h	2.11	249.80	252.26		252.26	0.000041	0.23	10.87	7.03	0.05
Af3_BMC	tratto 3	1.1	200d0.5h	2.61	249.80	251.87		251.88	0.000141	0.37	8.13	6.97	0.09
Af3_BMC	tratto 3	1	200d1h	2.11	249.80	252.26		252.26	0.000041	0.23	10.87	7.03	0.05
Af3_BMC	tratto 3	1	200d0.5h	2.60	249.80	251.87		251.88	0.000141	0.37	8.13	6.97	0.09
Af2_BMC	tratto 1	6	200d1h	2.98	253.93	254.87		255.06	0.017599	1.92	1.55	2.89	0.84
Af2_BMC	tratto 1	6	200d0.5h	3.17	253.93	254.90		255.09	0.017766	1.96	1.62	2.96	0.85
Af2_BMC	tratto 1	5.9	200d1h	2.98	253.93	254.84		255.05	0.021060	2.06	1.45	2.79	0.91
Af2_BMC	tratto 1	5.9	200d0.5h	3.17	253.93	254.86		255.08	0.021111	2.09	1.51	2.86	0.92
Af2_BMC	tratto 1	5.89		Lat Struct									
Af2_BMC	tratto 1	5.88		Lat Struct									
Af2_BMC	tratto 1	5	200d1h	3.15	252.54	253.56		253.64	0.006922	1.35	2.82	8.74	0.55
Af2_BMC	tratto 1	5	200d0.5h	3.28	252.54	253.57		253.65	0.007302	1.39	2.85	8.80	0.57
Af2_BMC	tratto 1	4	200d1h	-0.44	252.36	253.15		253.15	0.000225	-0.22	2.41	8.20	0.10
Af2_BMC	tratto 1	4	200d0.5h	0.18	252.36	253.14		253.14	0.000041	0.09	2.32	8.00	0.04
Af2_BMC	tratto 1	3	200d1h	0.35	252.08	253.22		253.22	0.000111	0.16	2.25	5.62	0.07
Af2_BMC	tratto 1	3	200d0.5h	0.32	252.08	253.16		253.16	0.000125	0.16	1.98	3.85	0.07
Af2_BMC	tratto 1	2.5		Culvert									
Af2_BMC	tratto 1	2	200d1h	0.15	252.32	253.11		253.11	0.000118	0.13	1.14	3.07	0.07
Af2_BMC	tratto 1	2	200d0.5h	0.15	252.32	253.11		253.11	0.000118	0.13	1.14	3.07	0.07
Af2_BMC	tratto 1	1	200d1h	0.34	252.34	253.06		253.06	0.000901	0.25	1.36	3.49	0.13
Af2_BMC	tratto 1	1	200d0.5h	0.34	252.34	253.06		253.06	0.000901	0.25	1.36	3.49	0.13
Af2_BMC	sotto fabbrica	3	200d1h	0.10	262.17	262.37		262.41	0.018224	0.84	0.12	1.10	0.81
Af2_BMC	sotto fabbrica	3	200d0.5h	0.10	262.17	262.37		262.41	0.018224	0.84	0.12	1.10	0.81
Af2_BMC	sotto fabbrica	2.9	200d1h	0.10	262.17	262.35	262.36	262.41	0.037937	1.11	0.09	0.95	1.14
Af2_BMC	sotto fabbrica	2.9	200d0.5h	0.10	262.17	262.35	262.36	262.41	0.037937	1.11	0.09	0.95	1.14
Af2_BMC	sotto fabbrica	2.88		Lat Struct									
Af2_BMC	sotto fabbrica	2	200d1h	0.24	256.17	256.99		256.99	0.000025	0.10	3.01	6.84	0.04
Af2_BMC	sotto fabbrica	2	200d0.5h	0.23	256.17	256.98		256.98	0.000024	0.10	2.99	6.84	0.04
Af2_BMC	sotto fabbrica	1.5		Culvert									
Af2_BMC	sotto fabbrica	1.1	200d1h	0.24	254.61	254.92		254.94	0.005759	0.71	0.34	1.56	0.49
Af2_BMC	sotto fabbrica	1.1	200d0.5h	0.23	254.61	254.91		254.93	0.005833	0.71	0.33	1.55	0.49
Af2_BMC	sotto fabbrica	1	200d1h	0.25	254.61	254.90		254.93	0.006816	0.76	0.32	1.53	0.53
Af2_BMC	sotto fabbrica	1	200d0.5h	0.24	254.61	254.90		254.93	0.006924	0.76	0.31	1.52	0.53
Af2_BMC	sotto fabbrica	0.5	200d1h	0.24	254.41	254.70	254.62	254.73	0.006786	0.76	0.32	1.53	0.53
Af2_BMC	sotto fabbrica	0.5	200d0.5h	0.23	254.41	254.70	254.61	254.73	0.006826	0.75	0.31	1.52	0.53
Af2_BF	tratto 1	17	200d1h	1.09	262.58	263.15		263.21	0.015158	1.12	0.98	3.10	0.64
Af2_BF	tratto 1	17	200d0.5h	1.12	262.58	263.16		263.22	0.014430	1.11	1.01	3.10	0.62
Af2_BF	tratto 1	16.9	200d1h	1.09	262.58	263.09		263.19	0.029179	1.38	0.79	3.10	0.87
Af2_BF	tratto 1	16.9	200d0.5h	1.12	262.58	263.10		263.20	0.027278	1.36	0.82	3.10	0.84
Af2_BF	tratto 1	16.89		Lat Struct									
Af2_BF	tratto 1	16.88		Lat Struct									
Af2_BF	tratto 1	16	200d1h	0.33	259.14	259.58		259.61	0.008980	0.79	0.42	1.59	0.49
Af2_BF	tratto 1	16	200d0.5h	0.37	259.14	259.60		259.64	0.009056	0.81	0.46	1.65	0.49
Af2_BF	tratto 1	15.1	200d1h	0.47	258.46	259.41		259.42	0.000644	0.32	1.63	5.67	0.14
Af2_BF	tratto 1	15.1	200d0.5h	0.45	258.46	259.41		259.41	0.000606	0.31	1.59	5.53	0.14
Af2_BF	tratto 1	15	200d1h	0.47	258.46	259.41		259.42	0.000647	0.32	1.62	5.66	0.14
Af2_BF	tratto 1	15	200d0.5h	0.45	258.46	259.40		259.41	0.000608	0.31	1.58	5.52	0.14
Af2_BF	tratto 1	14.5		Culvert									
Af2_BF	tratto 1	14	200d1h	0.47	258.07	258.61	258.66	258.83	0.098517	2.08	0.23	0.84	1.28
Af2_BF	tratto 1	14	200d0.5h	0.45	258.07	258.60	258.65	258.81	0.097328	2.04	0.22	0.82	1.27
Af2_BF	tratto 1	13	200d1h	0.47	257.61	257.94	257.95	258.04	0.045463	1.45	0.33	1.80	1.08
Af2_BF	tratto 1	13	200d0.5h	0.45	257.61	257.93	257.94	258.03	0.046999	1.45	0.31	1.75	1.10
Af2_BF	tratto 1	12	200d1h	0.63	255.36	256.26		256.27	0.001871	0.52	1.22	2.33	0.23
Af2_BF	tratto 1	12	200d0.5h	0.55	255.36	256.20		256.22	0.001854	0.50	1.10	2.20	0.23
Af2_BF	tratto 1	11.89		Lat Struct									
Af2_BF	tratto 1	11.88		Lat Struct									

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Af2_BF	tratto 1	11	200d1h	0.34	254.17	254.71		254.73	0.006850	0.73	0.46	1.33	0.40
Af2_BF	tratto 1	11	200d0.5h	0.32	254.17	254.69		254.72	0.006851	0.72	0.44	1.32	0.40
Af2_BF	tratto 1	10.48		Lat Struct									
Af2_BF	tratto 1	10.1	200d1h	0.26	253.49	254.45		254.45	0.000175	0.16	1.64	3.59	0.07
Af2_BF	tratto 1	10.1	200d0.5h	0.24	253.49	254.44		254.44	0.000155	0.15	1.61	3.58	0.07
Af2_BF	tratto 1	10	200d1h	0.26	253.49	254.45		254.45	0.000216	0.16	1.64	3.59	0.07
Af2_BF	tratto 1	10	200d0.5h	0.24	253.49	254.44		254.44	0.000192	0.15	1.61	3.58	0.07
Af2_BF	tratto 1	9.5		Culvert									
Af2_BF	tratto 1	9	200d1h	0.25	253.22	253.62		253.63	0.003371	0.46	0.55	1.96	0.28
Af2_BF	tratto 1	9	200d0.5h	0.24	253.22	253.60		253.61	0.003432	0.45	0.52	1.92	0.28
Af2_BF	tratto 1	8	200d1h	0.25	252.95	253.43		253.44	0.002580	0.43	0.59	1.84	0.24
Af2_BF	tratto 1	8	200d0.5h	0.23	252.95	253.41		253.42	0.002638	0.42	0.54	1.78	0.24
Af2_BF	tratto 1	7	200d1h	0.23	252.67	253.25		253.25	0.000677	0.23	0.99	3.04	0.13
Af2_BF	tratto 1	7	200d0.5h	0.20	252.67	253.23		253.23	0.000616	0.22	0.93	2.97	0.12
Af2_BF	tratto 1	6.89		Lat Struct									
Af2_BF	tratto 1	6.88		Lat Struct									
Af2_BF	tratto 1	6	200d1h	-0.59	251.79	252.67		252.67	0.001107	-0.36	1.76	6.84	0.17
Af2_BF	tratto 1	6	200d0.5h	-0.09	251.79	252.54		252.54	0.000070	-0.08	1.12	3.14	0.04
Af2_BF	tratto 1	5	200d1h	0.41	251.31	252.71		252.71	0.000047	0.13	3.12	3.11	0.04
Af2_BF	tratto 1	5	200d0.5h	-0.24	251.31	252.54		252.54	0.000029	-0.09	2.57	3.11	0.03
Af2_BF	tratto 1	4.95		Culvert									
Af2_BF	tratto 1	4.9	200d1h	0.41	251.31	252.71		252.71	0.000047	0.13	3.11	3.11	0.04
Af2_BF	tratto 1	4.9	200d0.5h	-0.24	251.31	252.55		252.55	0.000028	-0.09	2.59	3.11	0.03
Af2_BF	tratto 1	4.89		Lat Struct									
Af2_BF	tratto 1	4	200d1h	-1.58	251.19	252.70		252.70	0.000280	-0.35	4.49	4.13	0.11
Af2_BF	tratto 1	4	200d0.5h	-1.48	251.19	252.53		252.54	0.000394	-0.39	3.80	4.13	0.13
Af2_BF	tratto 1	3.89		Lat Struct									
Af2_BF	tratto 1	3.88		Lat Struct									
Af2_BF	tratto 1	3	200d1h	0.17	251.38	252.73		252.73	0.000003	0.04	4.76	5.77	0.01
Af2_BF	tratto 1	3	200d0.5h	0.55	251.38	252.57		252.57	0.000059	0.15	3.81	5.77	0.05
Af2_BF	tratto 1	2.5		Culvert									
Af2_BF	tratto 1	2	200d1h	0.15	251.38	252.73		252.73	0.000002	0.03	4.76	5.77	0.01
Af2_BF	tratto 1	2	200d0.5h	0.55	251.38	252.55		252.56	0.000062	0.15	3.74	5.77	0.05
Af2_BF	tratto 1	1.89		Lat Struct									
Af2_BF	tratto 1	1.88		Lat Struct									
Af2_BF	tratto 1	1	200d1h	2.77	250.87	252.70		252.71	0.000298	0.41	7.03	7.15	0.12
Af2_BF	tratto 1	1	200d0.5h	1.40	250.87	252.54		252.55	0.000127	0.24	5.90	7.15	0.08
Af2_BF	tratto 1	0.95		Culvert									
Af2_BF	tratto 1	0.9	200d1h	2.55	250.51	252.00		252.01	0.000417	0.36	7.00	11.07	0.15
Af2_BF	tratto 1	0.9	200d0.5h	0.32	250.51	251.85		251.85	0.000013	0.06	5.41	9.46	0.03
Af2_BF	tratto 1	0.8	200d1h	2.55	250.51	252.00		252.01	0.000417	0.36	7.00	11.07	0.15
Af2_BF	tratto 1	0.8	200d0.5h	0.32	250.51	251.85		251.85	0.000013	0.06	5.41	9.46	0.03
Af1_FM	tratto 1	8	200d1h	8.84	257.62	259.37		259.48	0.004192	1.49	5.93	5.50	0.46
Af1_FM	tratto 1	8	200d0.5h	5.70	257.62	259.08		259.16	0.003915	1.29	4.42	4.95	0.44
Af1_FM	tratto 1	7.9	200d1h	8.84	257.62	259.36		259.48	0.004246	1.50	5.90	5.49	0.46
Af1_FM	tratto 1	7.9	200d0.5h	5.70	257.62	259.07		259.16	0.003974	1.30	4.39	4.94	0.44
Af1_FM	tratto 1	7	200d1h	9.17	256.89	259.27		259.29	0.000475	0.64	14.23	8.96	0.16
Af1_FM	tratto 1	7	200d0.5h	5.96	256.89	258.97		258.99	0.000367	0.51	11.63	8.96	0.14
Af1_FM	tratto 1	6.5		Culvert									
Af1_FM	tratto 1	6	200d1h	9.16	256.83	258.33		258.49	0.006804	1.75	5.22	5.79	0.59
Af1_FM	tratto 1	6	200d0.5h	5.96	256.83	258.10		258.22	0.006088	1.50	3.96	5.15	0.55
Af1_FM	tratto 1	5.88		Lat Struct									
Af1_FM	tratto 1	5	200d1h	8.47	255.47	257.29		257.39	0.004181	1.48	6.23	10.53	0.45
Af1_FM	tratto 1	5	200d0.5h	6.54	255.47	257.21		257.29	0.003303	1.26	5.42	10.53	0.40
Af1_FM	tratto 1	4	200d1h	4.69	254.86	256.56		256.62	0.002858	1.12	4.52	8.47	0.35
Af1_FM	tratto 1	4	200d0.5h	4.55	254.86	256.55		256.61	0.002763	1.10	4.46	8.47	0.34
Af1_FM	tratto 1	3.1	200d1h	4.02	254.75	256.07		256.14	0.003870	1.16	3.45	4.46	0.42
Af1_FM	tratto 1	3.1	200d0.5h	3.98	254.75	256.06		256.13	0.003882	1.16	3.42	4.44	0.42
Af1_FM	tratto 1	3	200d1h	4.02	254.75	256.08	255.50	256.13	0.002999	0.98	4.10	4.72	0.34
Af1_FM	tratto 1	3	200d0.5h	3.98	254.75	256.08	255.49	256.13	0.003000	0.98	4.08	4.70	0.34
Af1_FM	tratto 1	2.5		Bridge									
Af1_FM	tratto 1	2	200d1h	4.01	254.75	255.86		255.94	0.006302	1.29	3.10	4.15	0.48
Af1_FM	tratto 1	2	200d0.5h	3.98	254.75	255.84		255.93	0.006555	1.31	3.04	4.11	0.49

River	Reach	River Sta	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Af1_BMC	campo FV	7	200d0.5h	3.80	263.10	264.18		264.24	0.004974	1.31	4.05	13.96	0.51
Af1_BMC	campo FV	6.75		Culvert									
Af1_BMC	campo FV	6.5*	200d1h	3.55	260.52	261.31	261.51	261.86	0.041983	3.32	1.16	4.96	1.58
Af1_BMC	campo FV	6.5*	200d0.5h	3.80	260.52	261.32	261.53	261.89	0.042898	3.40	1.23	5.27	1.61
Af1_BMC	campo FV	6	200d1h	3.54	257.94	258.72	258.66	259.16	0.028174	2.94	1.24	4.24	1.42
Af1_BMC	campo FV	6	200d0.5h	3.74	257.94	258.74	258.89	259.18	0.027513	2.97	1.32	4.70	1.41
Af1_BMC	campo FV	5	200d1h	3.53	256.30	257.02	257.16	257.38	0.021435	2.66	1.39	5.05	1.28
Af1_BMC	campo FV	5	200d0.5h	3.72	256.30	257.03	257.17	257.41	0.022652	2.76	1.42	5.22	1.31
Af1_BMC	campo FV	4.89		Lat Struct									
Af1_BMC	campo FV	4.88		Lat Struct									
Af1_BMC	campo FV	4	200d1h	2.48	255.03	255.70		255.73	0.002461	1.03	3.02	8.19	0.44
Af1_BMC	campo FV	4	200d0.5h	2.39	255.03	255.69		255.73	0.002420	1.02	2.97	8.19	0.44
Af1_BMC	campo FV	3	200d1h	2.46	254.94	255.66	255.69	255.84	0.013182	1.89	1.38	5.31	0.99
Af1_BMC	campo FV	3	200d0.5h	2.39	254.94	255.66	255.68	255.83	0.012969	1.87	1.35	5.21	0.98
Af1_BMC	campo FV	2	200d1h	2.40	254.73	255.48		255.59	0.009892	1.59	1.77	6.28	0.73
Af1_BMC	campo FV	2	200d0.5h	2.38	254.73	255.48		255.59	0.010039	1.60	1.75	6.28	0.73
Af1_BMC	campo FV	1	200d1h	2.39	254.25	255.30		255.33	0.001800	0.88	3.32	7.11	0.33
Af1_BMC	campo FV	1	200d0.5h	2.36	254.25	255.30		255.33	0.001789	0.88	3.30	7.11	0.33
Af1_BMC	campo FV	0.75		Culvert									
Af1_BMC	campo FV	0.5	200d1h	2.33	253.44	254.90		254.92	0.000767	0.60	3.90	4.74	0.21
Af1_BMC	campo FV	0.5	200d0.5h	2.35	253.44	254.90		254.92	0.000780	0.60	3.90	4.74	0.21
Af1_BMC	campo FV	0.4	200d1h	0.10	253.44	254.90	253.61	254.90	0.000001	0.03	3.89	4.74	0.01
Af1_BMC	campo FV	0.4	200d0.5h	0.10	253.44	254.90	253.61	254.90	0.000001	0.03	3.89	4.74	0.01
Af1_BF	tratto 1	7	200d1h	1.75	256.19	257.14		257.16	0.002739	0.72	2.80	7.54	0.30
Af1_BF	tratto 1	7	200d0.5h	1.68	256.19	257.07		257.10	0.004288	0.84	2.32	7.54	0.37
Af1_BF	tratto 1	6.9	200d1h	1.30	256.19	257.13		257.16	0.003206	0.75	1.73	3.00	0.32
Af1_BF	tratto 1	6.9	200d0.5h	1.68	256.19	257.06		257.12	0.007740	1.10	1.52	3.00	0.49
Af1_BF	tratto 1	6.89		Lat Struct									
Af1_BF	tratto 1	6.88		Lat Struct									
Af1_BF	tratto 1	6	200d1h	0.54	256.14	257.11		257.11	0.000384	0.27	2.00	3.29	0.11
Af1_BF	tratto 1	6	200d0.5h	0.55	256.14	257.00		257.01	0.000679	0.33	1.66	3.25	0.15
Af1_BF	tratto 1	5.5		Culvert									
Af1_BF	tratto 1	5	200d1h	0.53	256.14	256.84		256.86	0.001722	0.45	1.16	3.00	0.23
Af1_BF	tratto 1	5	200d0.5h	0.40	256.14	256.76		256.77	0.002099	0.45	0.90	2.82	0.25
Af1_BF	tratto 1	4.89		Lat Struct									
Af1_BF	tratto 1	4.88		Lat Struct									
Af1_BF	tratto 1	4	200d1h	-0.71	255.78	256.82		256.83	0.000876	-0.40	1.80	2.76	0.16
Af1_BF	tratto 1	4	200d0.5h	-0.69	255.78	256.59		256.61	0.002814	-0.59	1.16	2.59	0.28
Af1_BF	tratto 1	3	200d1h	0.61	255.73	256.84		256.84	0.000140	0.20	3.10	3.07	0.06
Af1_BF	tratto 1	3	200d0.5h	0.50	255.73	256.65		256.65	0.000174	0.20	2.50	3.07	0.07
Af1_BF	tratto 1	2.5		Culvert									
Af1_BF	tratto 1	2	200d1h	0.59	255.73	256.01		256.07	0.021156	1.06	0.55	2.78	0.76
Af1_BF	tratto 1	2	200d0.5h	0.48	255.73	255.98		256.03	0.021753	1.00	0.48	2.70	0.76
Af1_BF	tratto 1	1.5		Lat Struct									
Af1_BF	tratto 1	1.1	200d1h	0.54	254.13	254.93		254.94	0.002261	0.52	1.04	2.50	0.26
Af1_BF	tratto 1	1.1	200d0.5h	0.56	254.13	254.93		254.94	0.002369	0.53	1.05	2.51	0.26
Af1_BF	tratto 1	1	200d1h	0.54	254.13	254.92		254.94	0.004103	0.52	1.04	2.49	0.26
Af1_BF	tratto 1	1	200d0.5h	0.56	254.13	254.92		254.94	0.004296	0.54	1.04	2.50	0.27

HEC-RAS Profile: Max WS

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
ape A	200d1h	252.27	251.10	42.52	22.38	12.08
ape A	200d0.5h	251.91	251.10	20.95	12.65	4.92
ape AA	200d1h	259.64	259.30	0.49	2.01	0.33
ape AA	200d0.5h	259.59	259.30	1.14	2.01	0.23
ape B	200d1h	252.27	251.20	40.68	17.52	8.87
ape B	200d0.5h	251.92	251.20	13.45	10.05	3.35
ape BB	200d1h	254.61	254.00	0.85	9.23	2.69
ape BB	200d0.5h	254.57	254.00	1.36	9.23	2.31
ape C	200d1h	254.96	254.57	0.00	0.15	0.06
ape C	200d0.5h	254.94	254.57	0.02	0.15	0.06
ape CC	200d1h	258.88	257.90	0.01	0.04	0.04
ape CC	200d0.5h	258.63	257.90	0.04	0.04	0.03
ape D	200d1h	255.80	255.20	3.19	0.65	0.22
ape D	200d0.5h	255.77	255.20	3.79	0.65	0.21
ape DD	200d1h	256.74	255.80	1.06	6.28	2.32
ape DD	200d0.5h	256.57	255.80	0.98	6.28	1.22
ape E	200d1h	253.70	253.30	0.19	0.08	0.03
ape E	200d0.5h	253.62	253.30	0.33	0.08	0.03
ape EE	200d1h	255.53	255.00	1.64	14.48	4.23
ape EE	200d0.5h	255.37	255.00	1.57	14.48	1.95
ape F	200d1h	253.60	253.00	0.55	3.18	0.55
ape F	200d0.5h	253.52	253.00	0.03	3.18	0.30
ape FF	200d1h	252.76	252.60	0.02	0.41	0.06
ape FF	200d0.5h	252.74	252.60	0.01	0.41	0.06
ape G	200d1h	253.61	252.60	4.33	14.27	2.61
ape G	200d0.5h	253.53	252.60	1.04	14.27	1.50
ape GG	200d1h	254.19	253.30	0.60	5.96	1.29
ape GG	200d0.5h	253.84	253.30	0.03	2.18	0.18
ape H	200d1h	257.22	256.60	3.48	0.41	0.09
ape H	200d0.5h	257.21	256.60	4.11	0.41	0.08
ape HH	200d1h	252.72	252.00	3.63	23.48	8.54
ape HH	200d0.5h	252.55	252.00	1.55	15.51	4.99
ape I	200d1h	253.47	253.20	0.04	0.49	0.13
ape I	200d0.5h	253.43	253.20	0.37	0.49	0.11
ape II	200d1h	252.37	250.40	0.22	8.13	1.30
ape II	200d0.5h	252.27	250.40	0.02	2.10	0.64
ape J	200d1h	257.12	256.40	0.81	10.52	1.85
ape J	200d0.5h	256.95	256.40	1.05	4.87	0.93
ape JJ	200d1h	256.08	255.60	0.46	3.88	0.71
ape JJ	200d0.5h	255.90	255.60	0.07	3.88	0.02
ape K	200d1h	256.83	255.80	1.46	10.10	2.89
ape K	200d0.5h	256.62	255.80	1.54	5.59	1.56

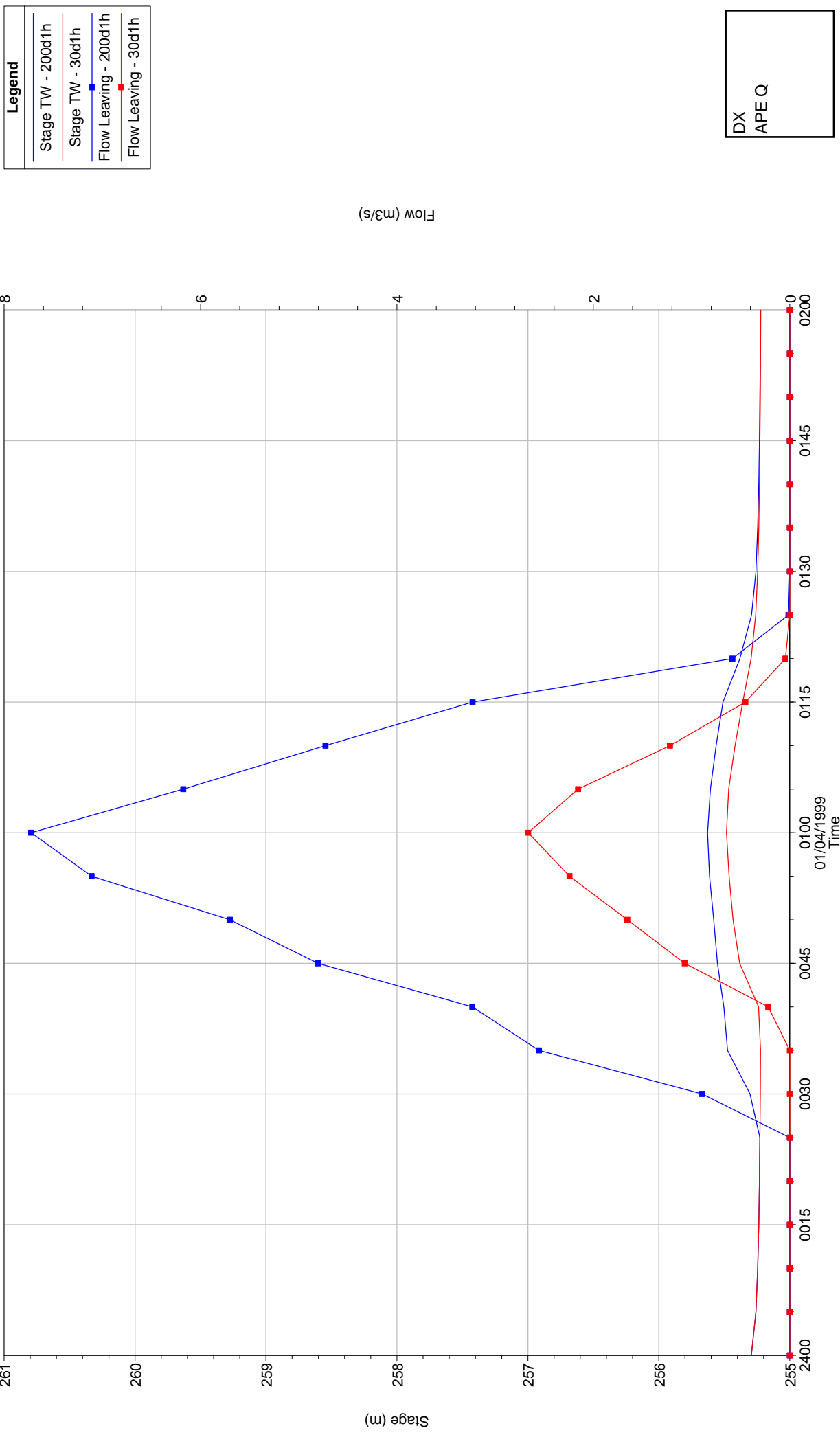
HEC-RAS Profile: Max WS (Continued)

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
ape L	200d1h	253.05	252.30	1.84	17.04	4.44
ape L	200d0.5h	252.96	252.30	3.40	17.04	3.02
ape LL	200d1h	252.22	250.00	10.58	32.21	19.22
ape LL	200d0.5h	251.42	250.00	0.84	12.54	1.13
ape M	200d1h	252.37	251.40	2.23	18.38	5.03
ape M	200d0.5h	252.29	251.40	1.78	10.63	3.63
ape MM	200d1h	250.99	250.90	0.20	3.71	0.35
ape MM	200d0.5h	250.90	250.90	0.02	3.71	0.02
ape N	200d1h	252.52	251.90	0.03	0.37	0.10
ape N	200d0.5h	252.47	251.90	0.03	0.37	0.08
ape NN	200d1h	250.58	248.90	55.45	36.35	21.57
ape NN	200d0.5h	249.48	248.90	0.42	2.75	0.75
ape O	200d1h	252.01	251.10	4.50	28.55	7.77
ape O	200d0.5h	251.46	251.10	0.61	6.89	0.64
ape OO	200d1h	256.18	255.10	4.46	22.09	7.86
ape OO	200d0.5h	255.47	255.10	0.24	1.15	0.22
ape P	200d1h	252.26	250.60	10.93	10.06	10.71
ape P	200d0.5h	251.90	250.60	9.22	9.26	7.18
ape PP	200d1h	254.90	254.00	1.15	8.16	3.34
ape PP	200d0.5h	254.75	254.00	0.78	8.16	2.13
ape Q	200d1h	255.63	255.30	2.34	3.42	0.31
ape Q	200d0.5h	255.55	255.30	1.25	0.71	0.18
ape QQ	200d1h	252.17	251.60	0.21	8.13	1.58
ape QQ	200d0.5h	252.13	251.60	0.35	8.13	1.23
ape RR	200d1h	253.87	253.60	0.12	2.92	0.29
ape RR	200d0.5h	253.83	253.60	0.08	2.92	0.17
ape S	200d1h	253.87	253.40	0.97	3.87	0.36
ape S	200d0.5h	253.81	253.40	0.93	3.87	0.11
ape SS	200d1h	252.12	251.80	0.71	9.77	1.23
ape SS	200d0.5h	252.02	251.80	0.19	9.77	0.30
ape T	200d1h	254.95	254.60	0.05	1.55	0.40
ape T	200d0.5h	254.90	254.60	0.18	1.55	0.31
ape TT	200d1h	251.18	250.80	0.11	3.61	0.45
ape TT	200d0.5h	251.13	250.80	-0.01	3.61	0.24
ape U	200d1h	253.78	252.60	2.84	7.28	3.46
ape U	200d0.5h	253.70	252.60	1.92	7.28	2.86
ape UU	200d1h	249.87	249.50	0.18	1.09	0.30
ape UU	200d0.5h	249.50	249.50	0.00	0.04	0.00
ape V	200d1h	253.63	252.40	0.27	6.66	3.12
ape V	200d0.5h	253.51	252.40	0.84	6.66	2.36
ape VV	200d1h	249.61	249.50	0.74	13.39	1.47

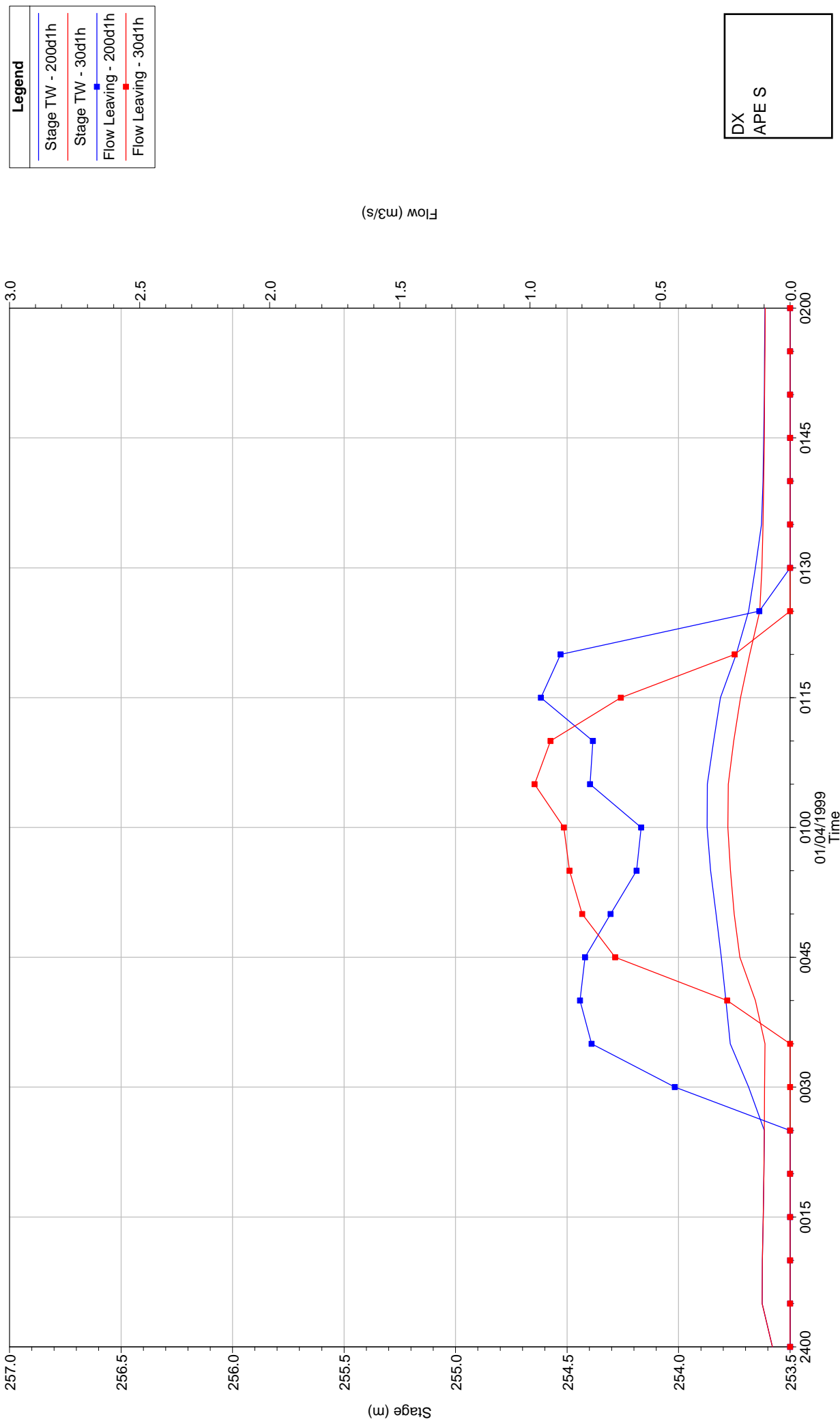
HEC-RAS Profile: Max WS (Continued)

Storage Area	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
ape VV	200d0.5h	249.50	249.50	0.00	13.39	0.00
ape W	200d1h	252.83	252.00	0.02	1.50	0.97
ape W	200d0.5h	252.63	252.00	-0.01	1.50	0.66
ape WW	200d1h	255.08	254.50	0.55	10.26	1.08
ape WW	200d0.5h	255.03	254.50	0.63	10.26	0.63
ape X	200d1h	253.47	253.00	0.02	0.04	0.02
ape X	200d0.5h	253.39	253.00	0.01	0.04	0.01
ape XX	200d1h	256.19	255.30	2.66	2.50	0.82
ape XX	200d0.5h	256.16	255.30	3.96	2.50	0.74
ape Y	200d1h	252.89	252.00	-2.03	2.91	2.16
ape Y	200d0.5h	252.65	252.00	1.47	2.91	1.47
ape YY	200d1h	255.11	254.90	0.06	2.22	0.26
ape YY	200d0.5h	255.09	254.90	0.04	2.22	0.24
ape Z	200d1h	252.87	251.90	3.01	18.49	7.78
ape Z	200d0.5h	252.67	251.90	12.17	18.49	4.10

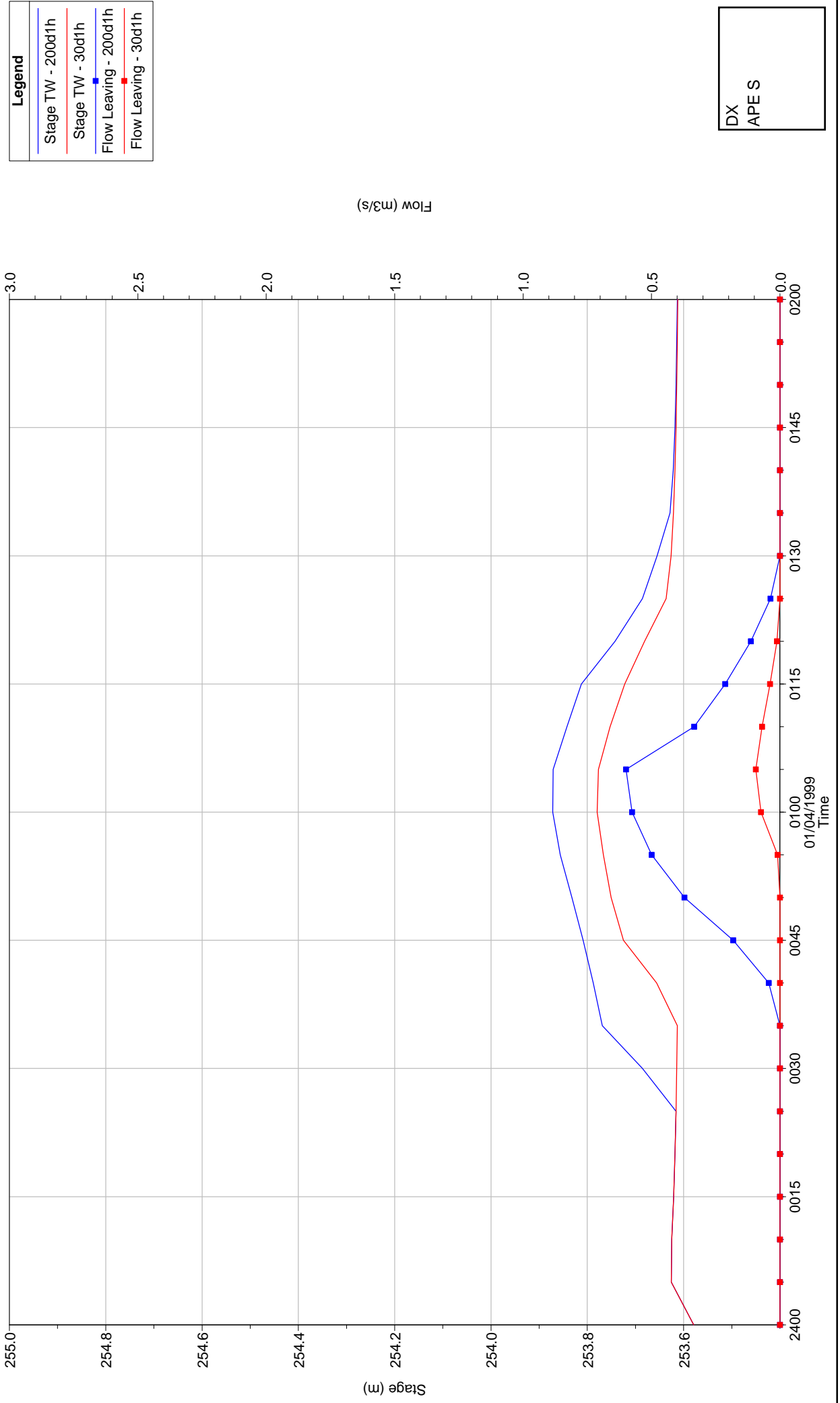
River: BF Reach: tratto 1 RS: 17.89



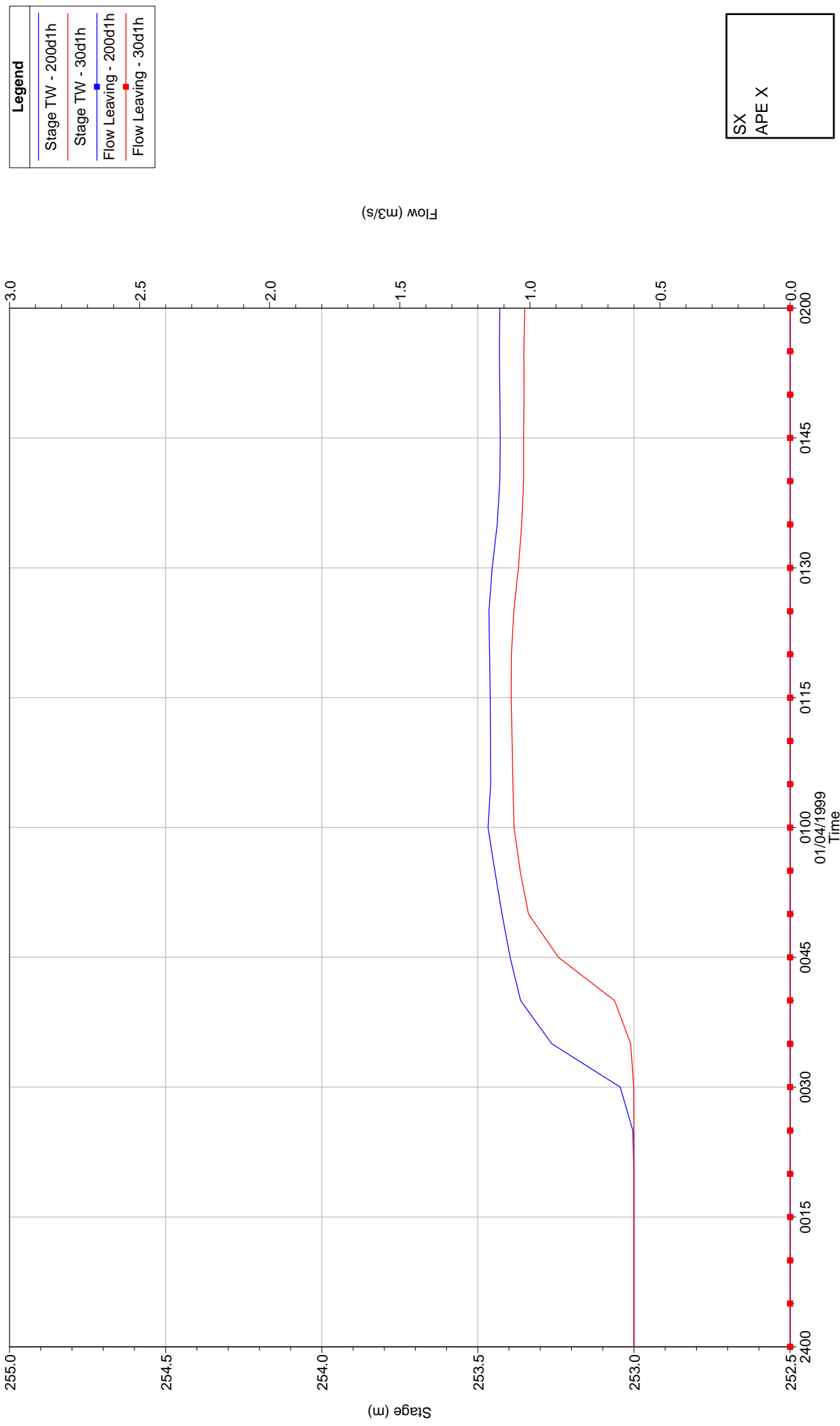
River: BF Reach: tratto 1 RS: 15.89



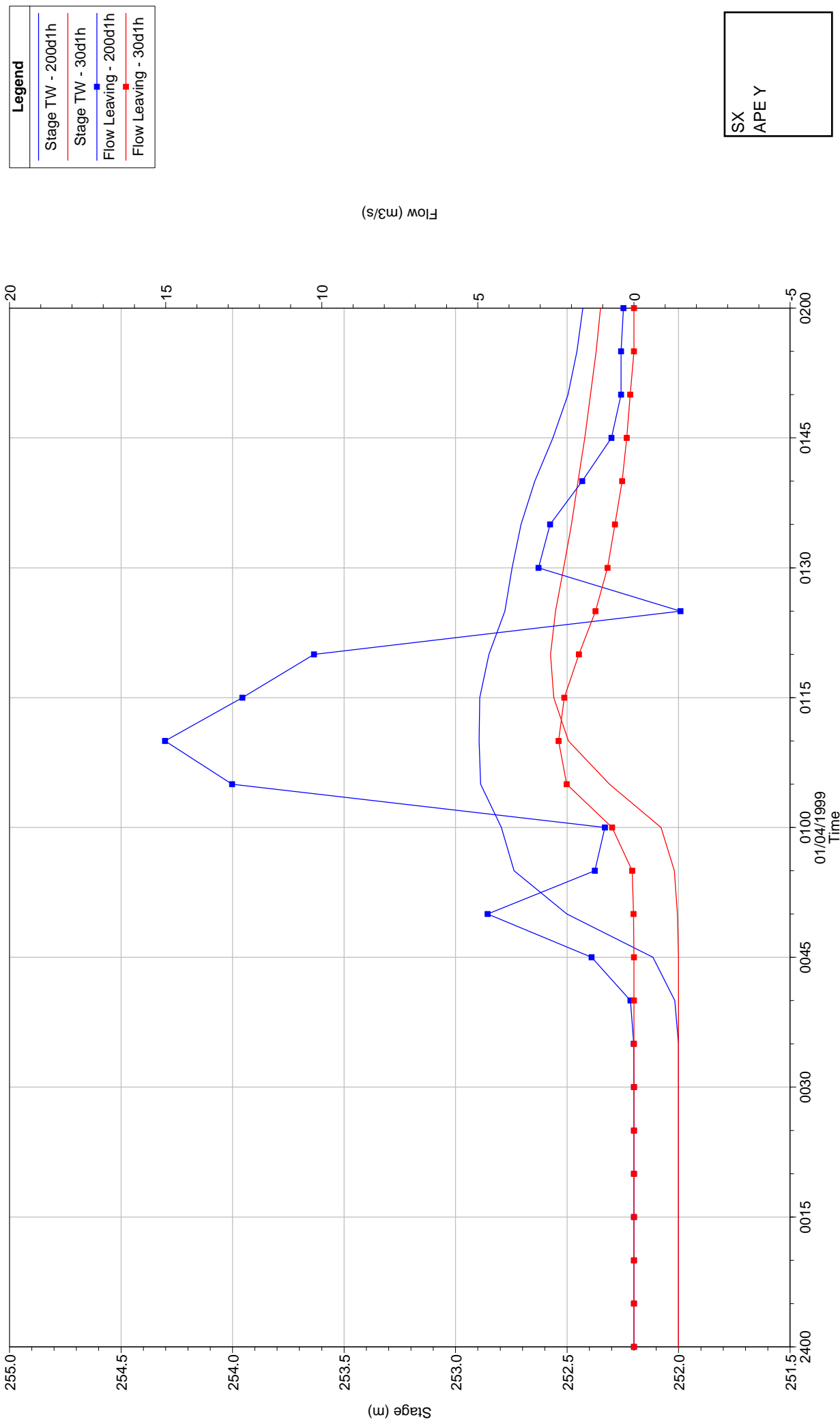
River: BF Reach: tratto 2 RS: 13.89



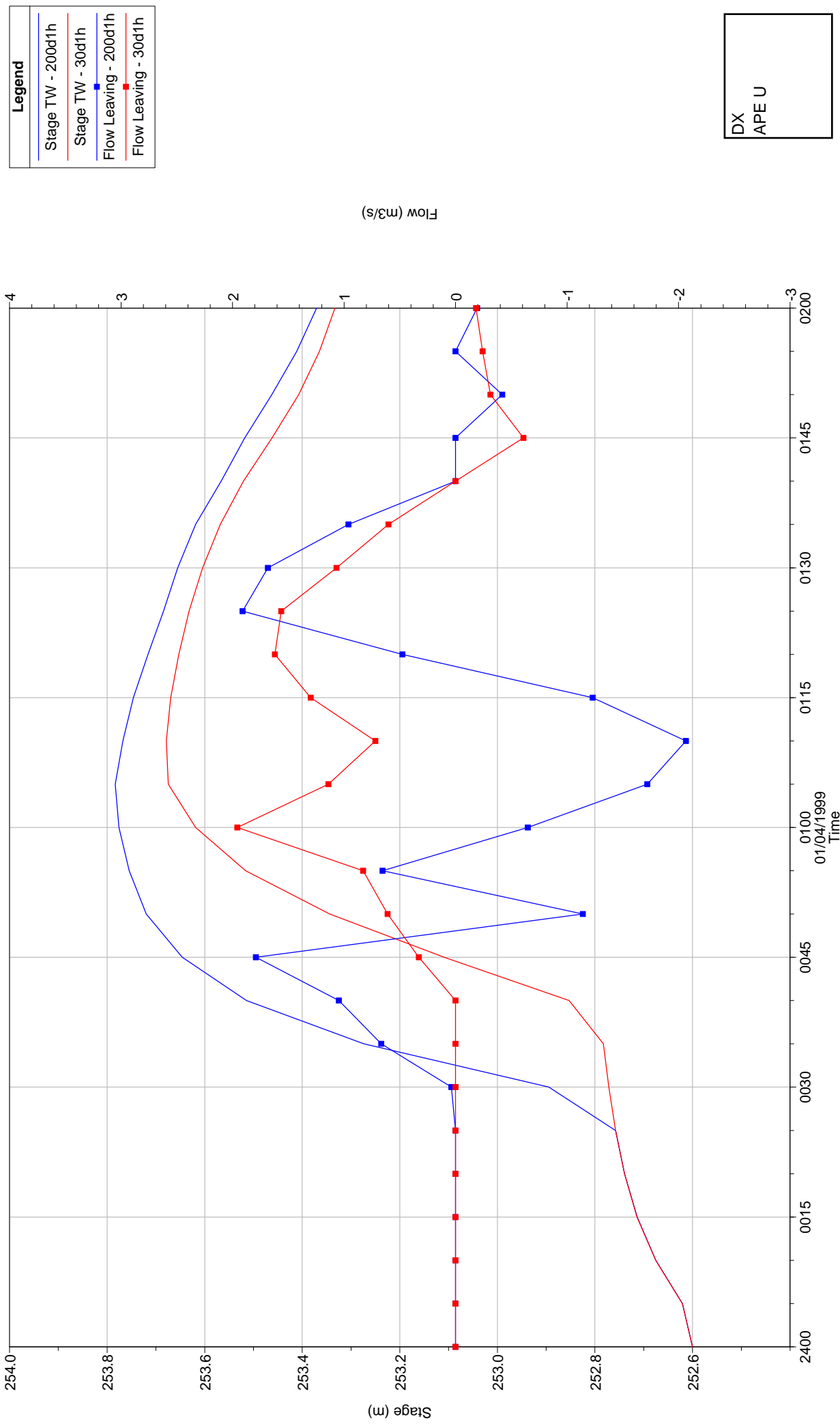
River: BF Reach: tratto 2 RS: 13.88



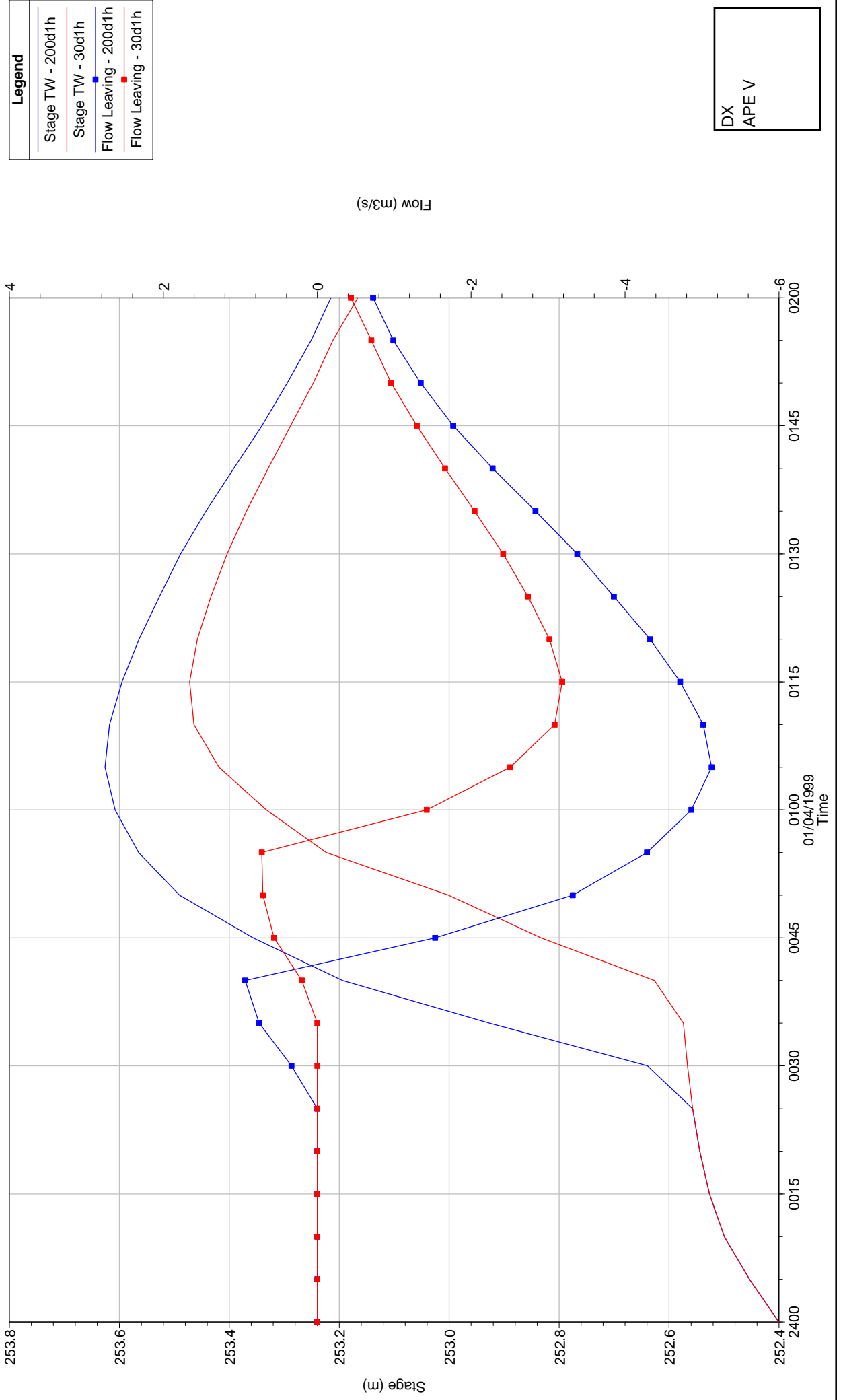
River: BF Reach: tratto 2 RS: 13.48



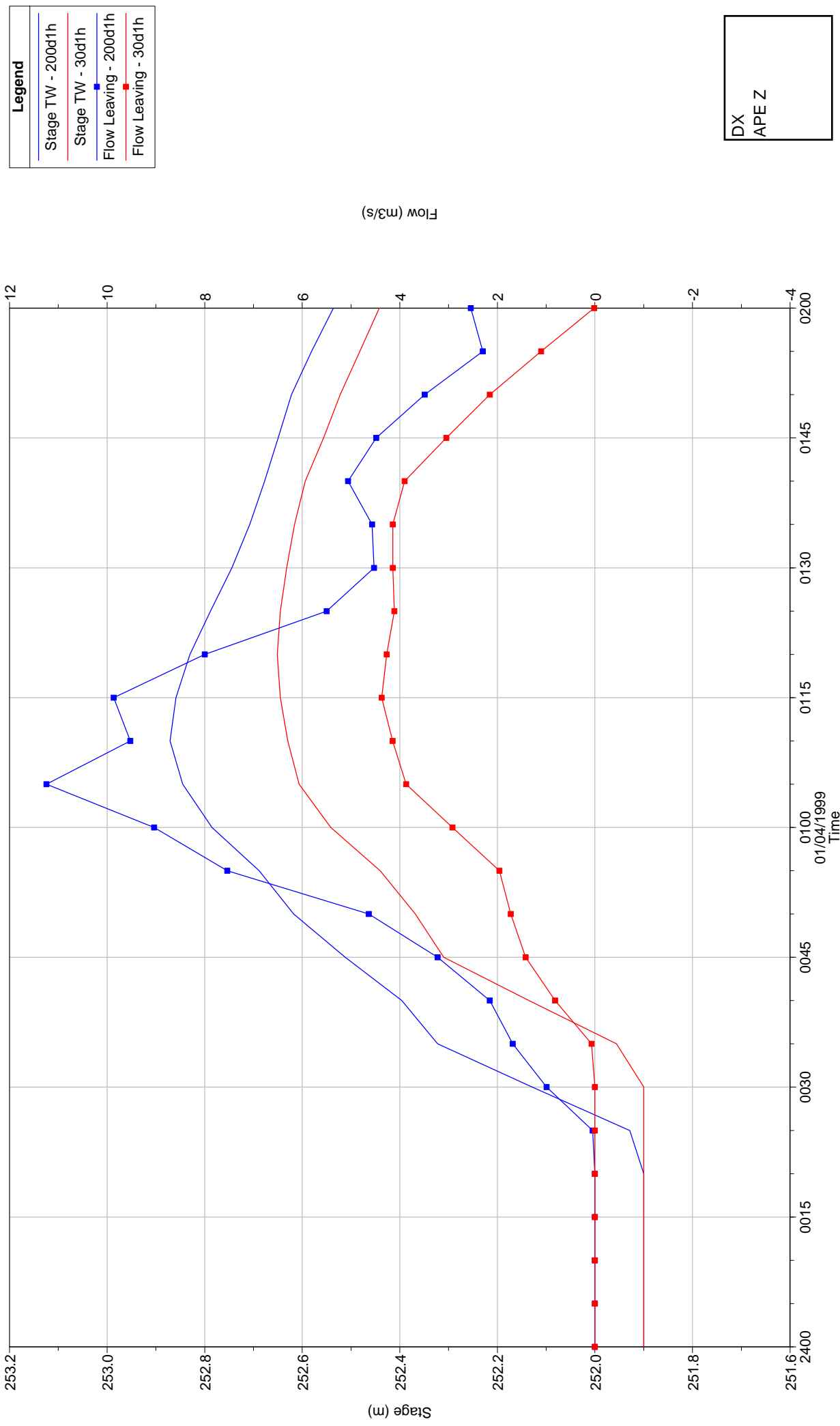
River: BF Reach: tratto 2 RS: 12.89



River: BF Reach: tratto 2 RS: 12.49

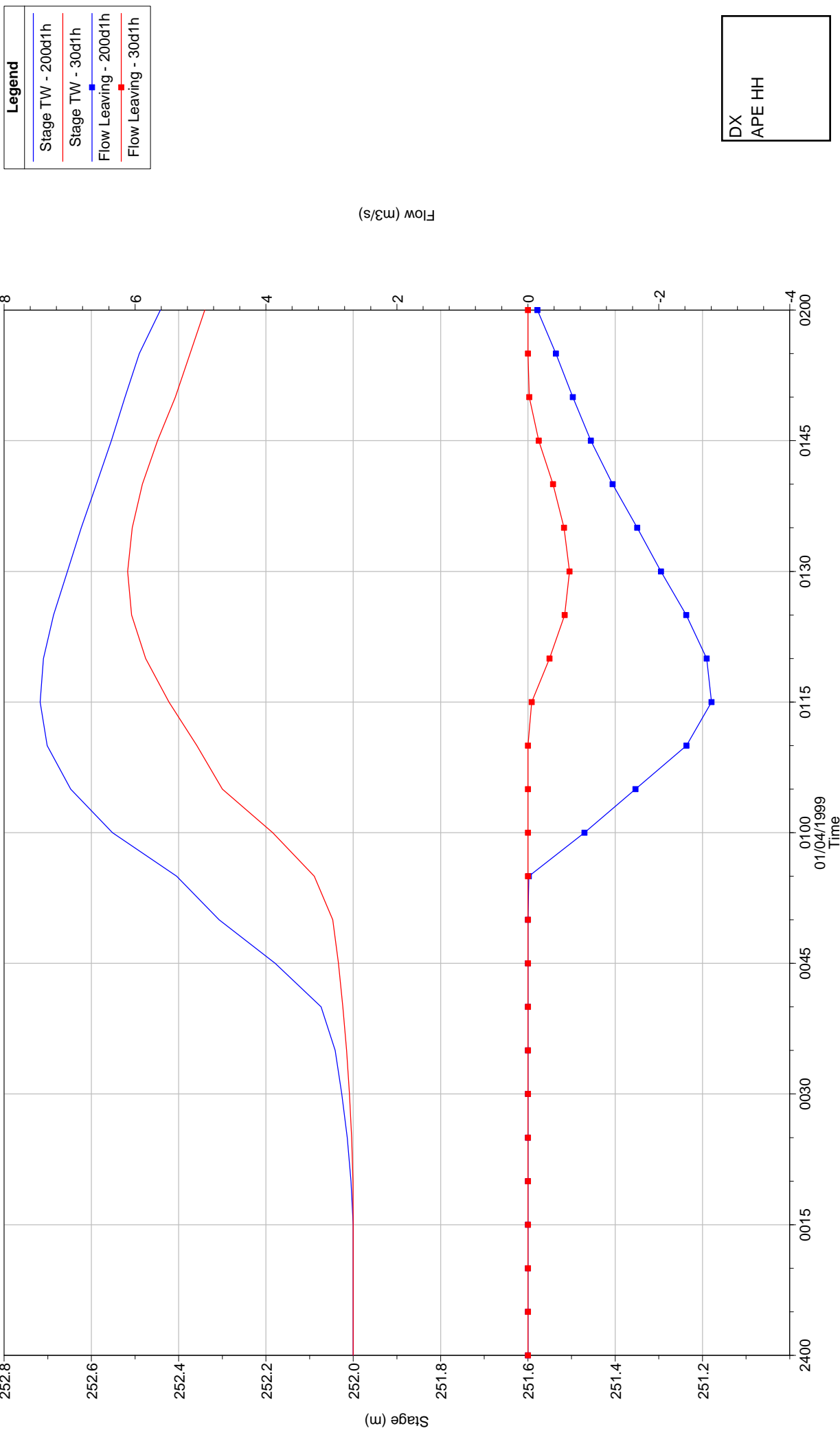


River: BF Reach: tratto 2 RS: 11.89

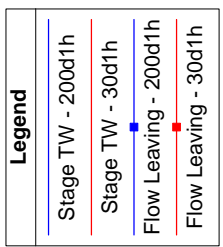


DX
APE Z

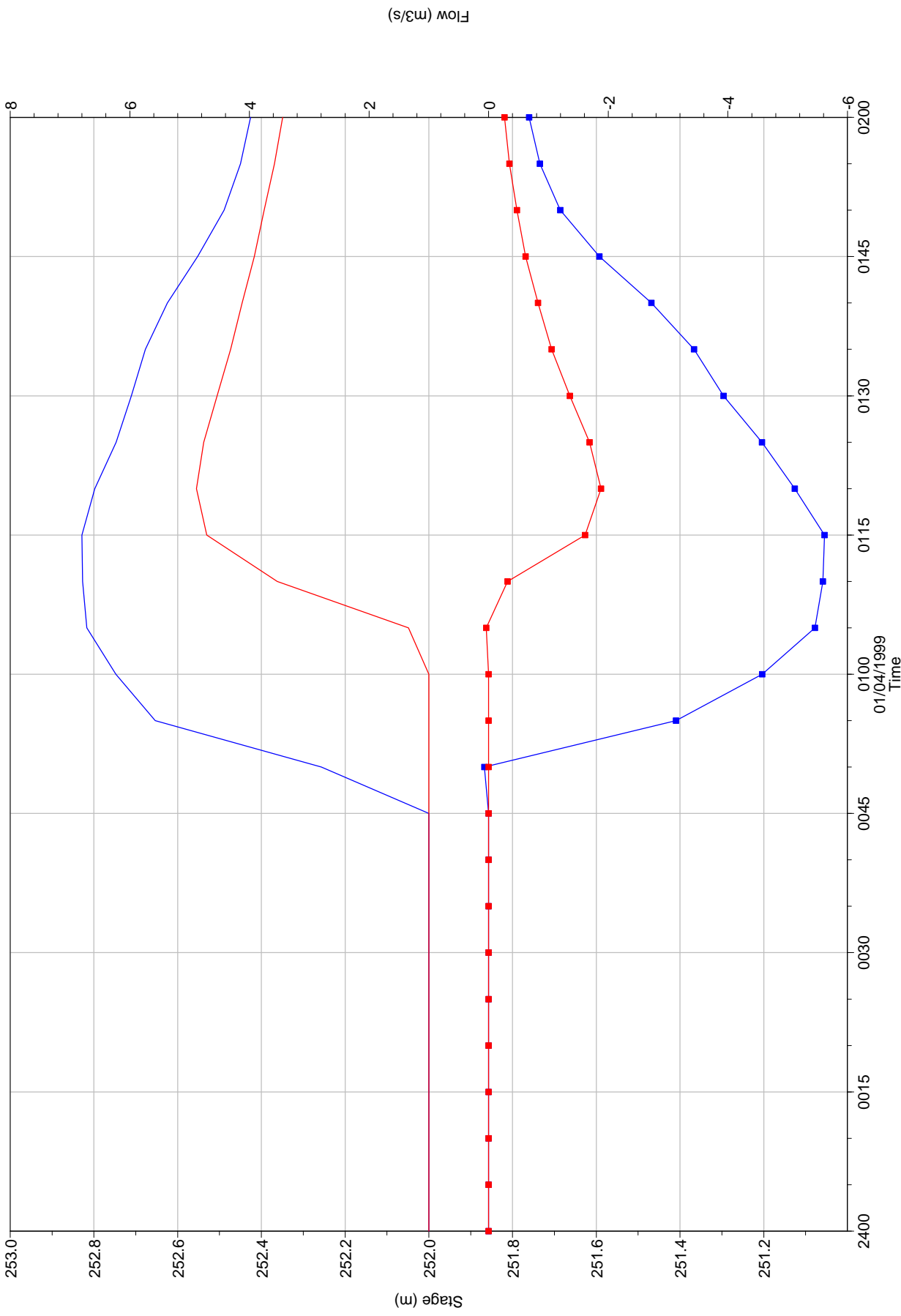
River: BF Reach: tratto 3 RS: 8.89



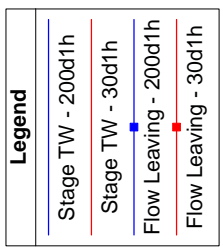
River: BF Reach: tratto 3 RS: 8.88



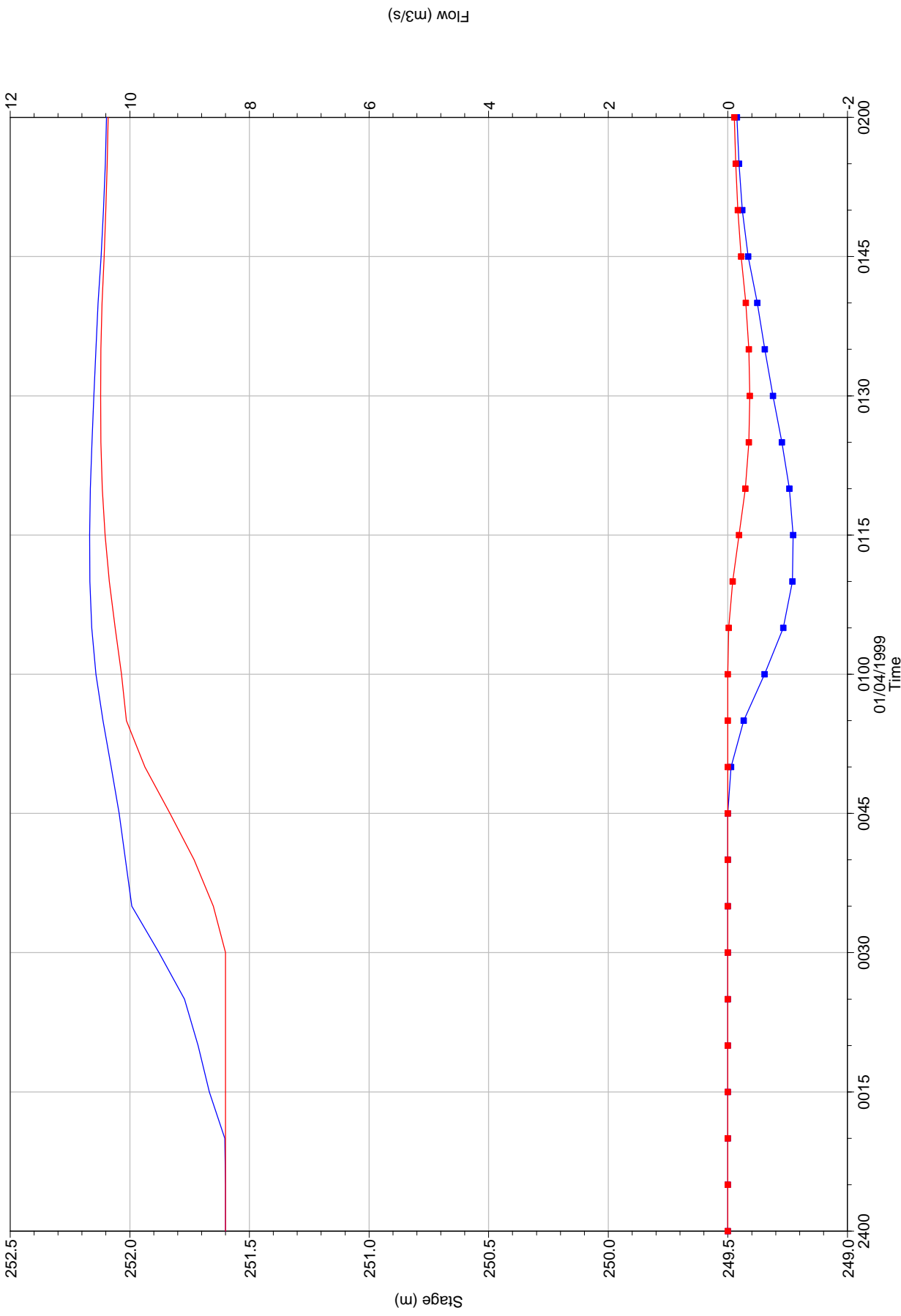
SX
APE W



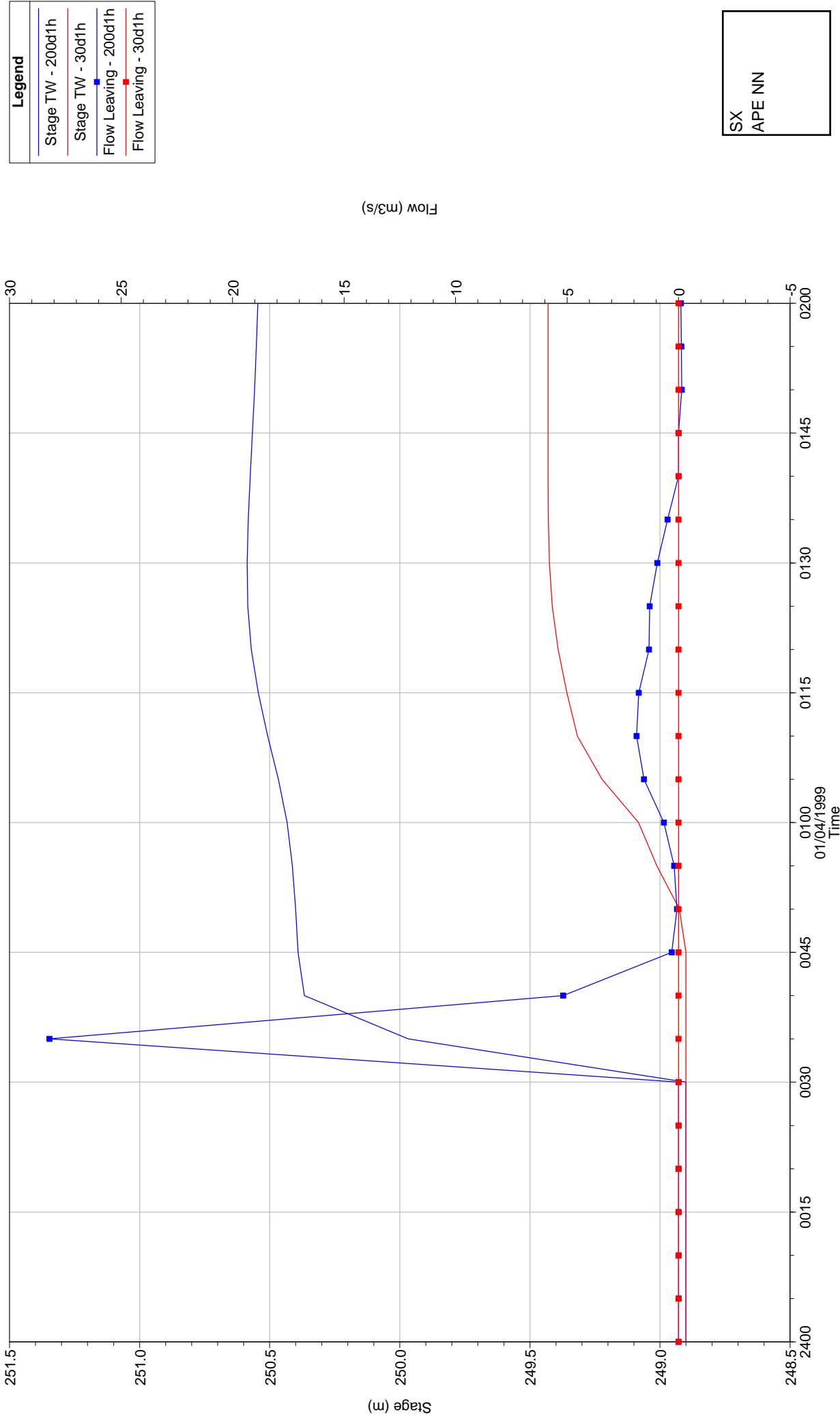
River: BF Reach: tratto 4 RS: 5.78



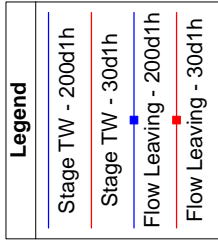
SX
APE QQ



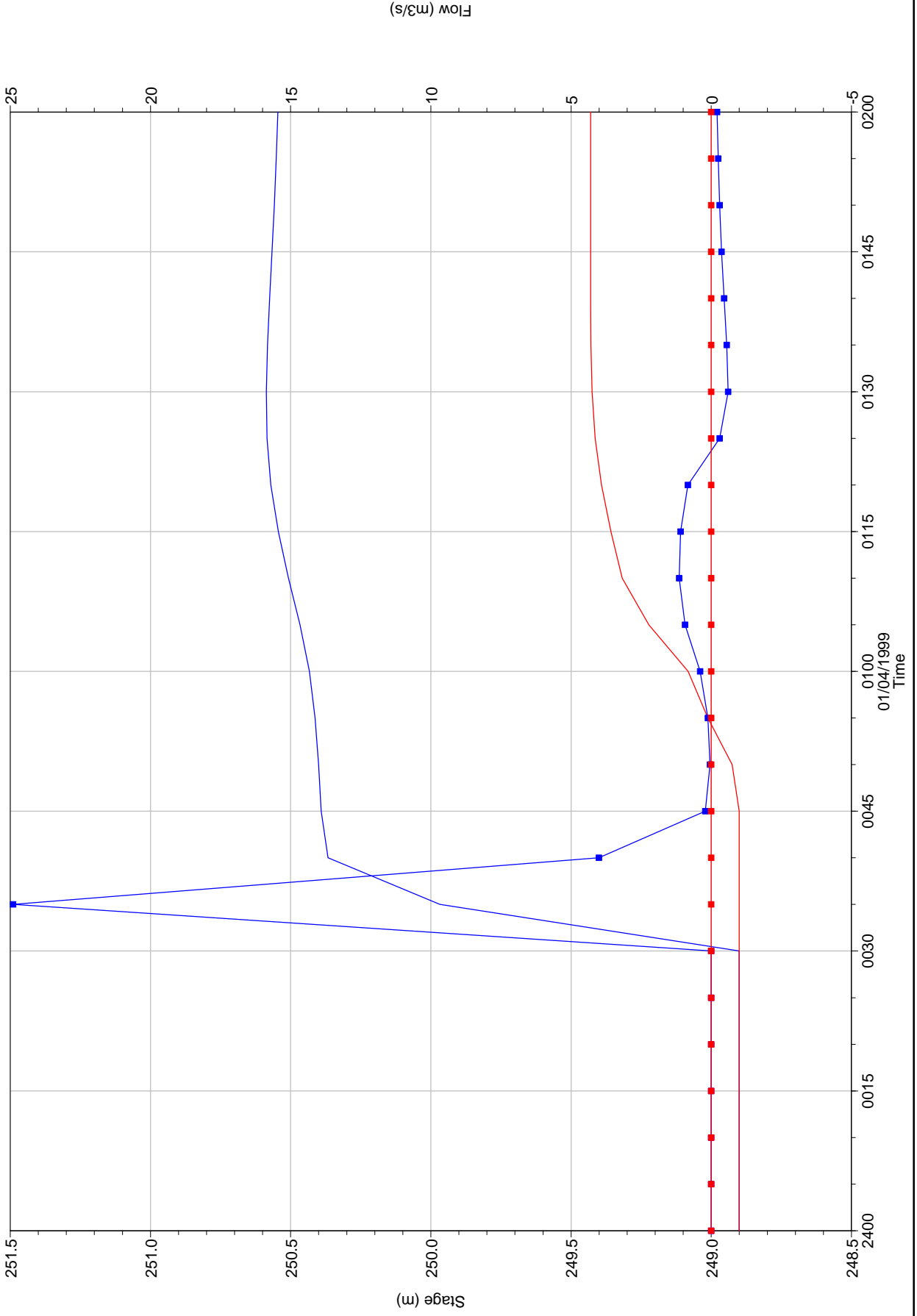
River: BF Reach: tratto 4 RS: 4.88



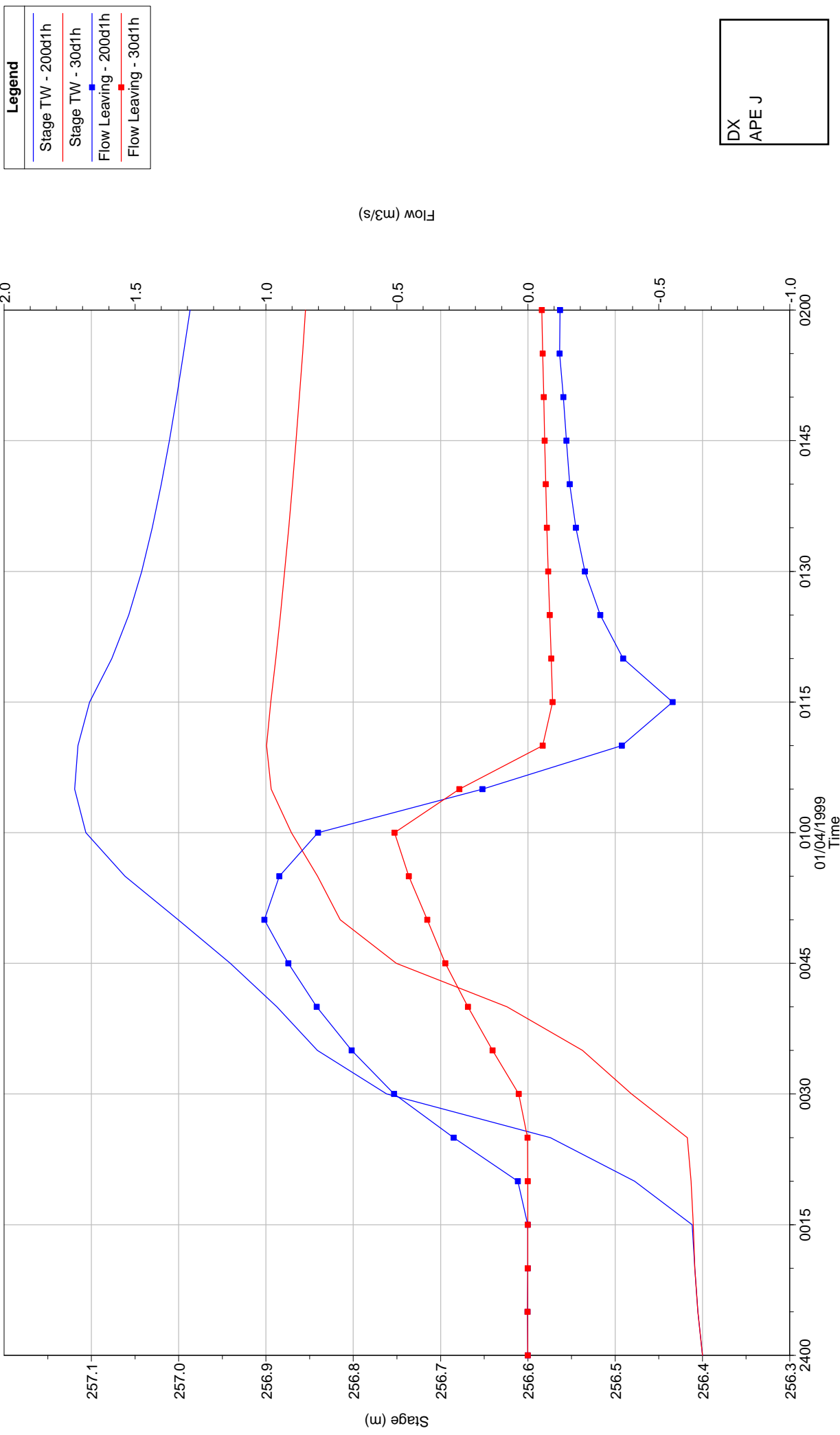
River: BF Reach: tratto 4 RS: 3.88



SX
APE NN

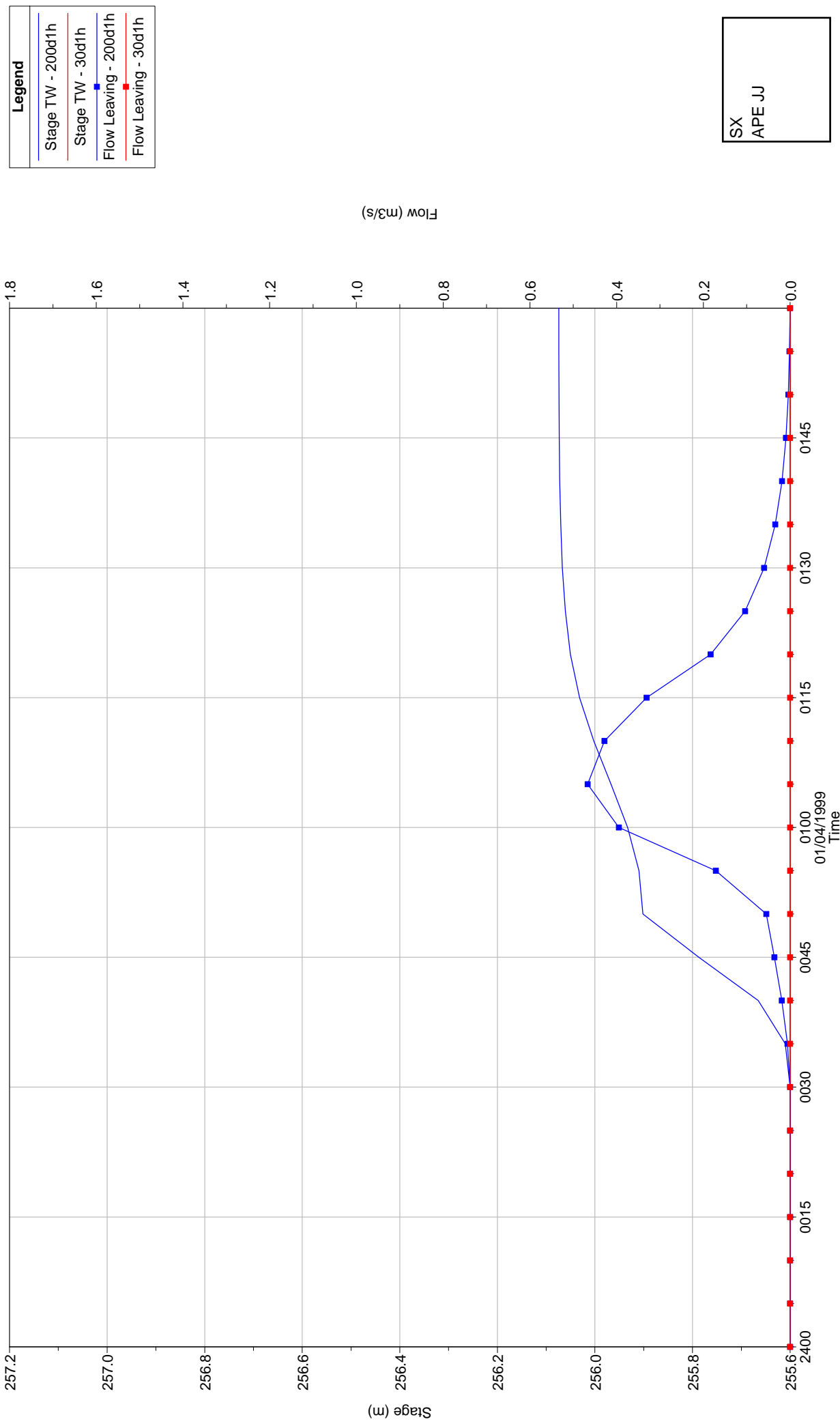


River: Af1_BF Reach: tratto 1 RS: 6.89

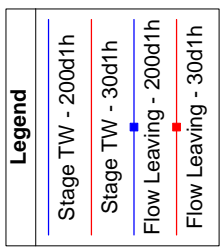


DX
APE J

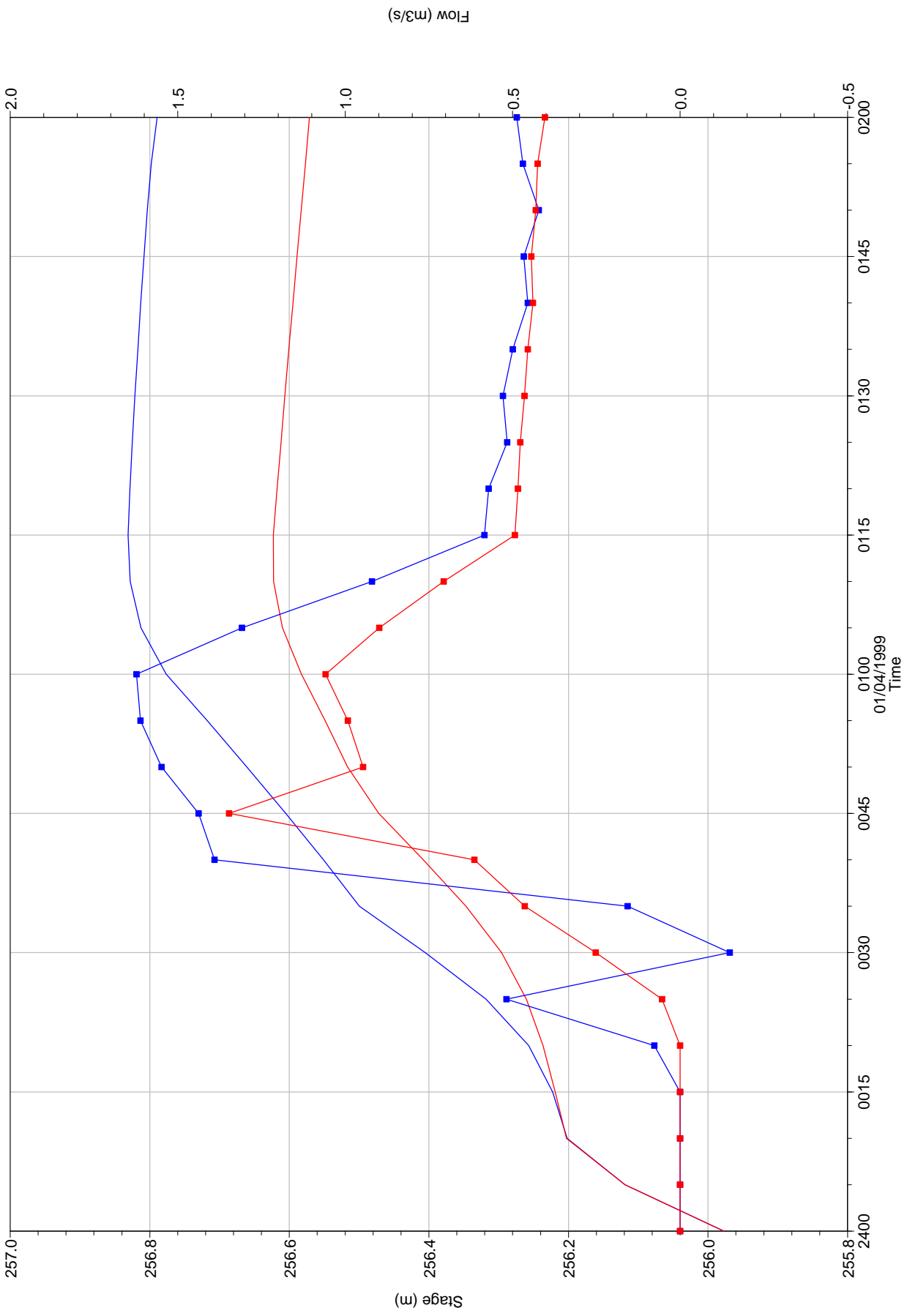
River: Af1_BF Reach: tratto 1 RS: 6.88



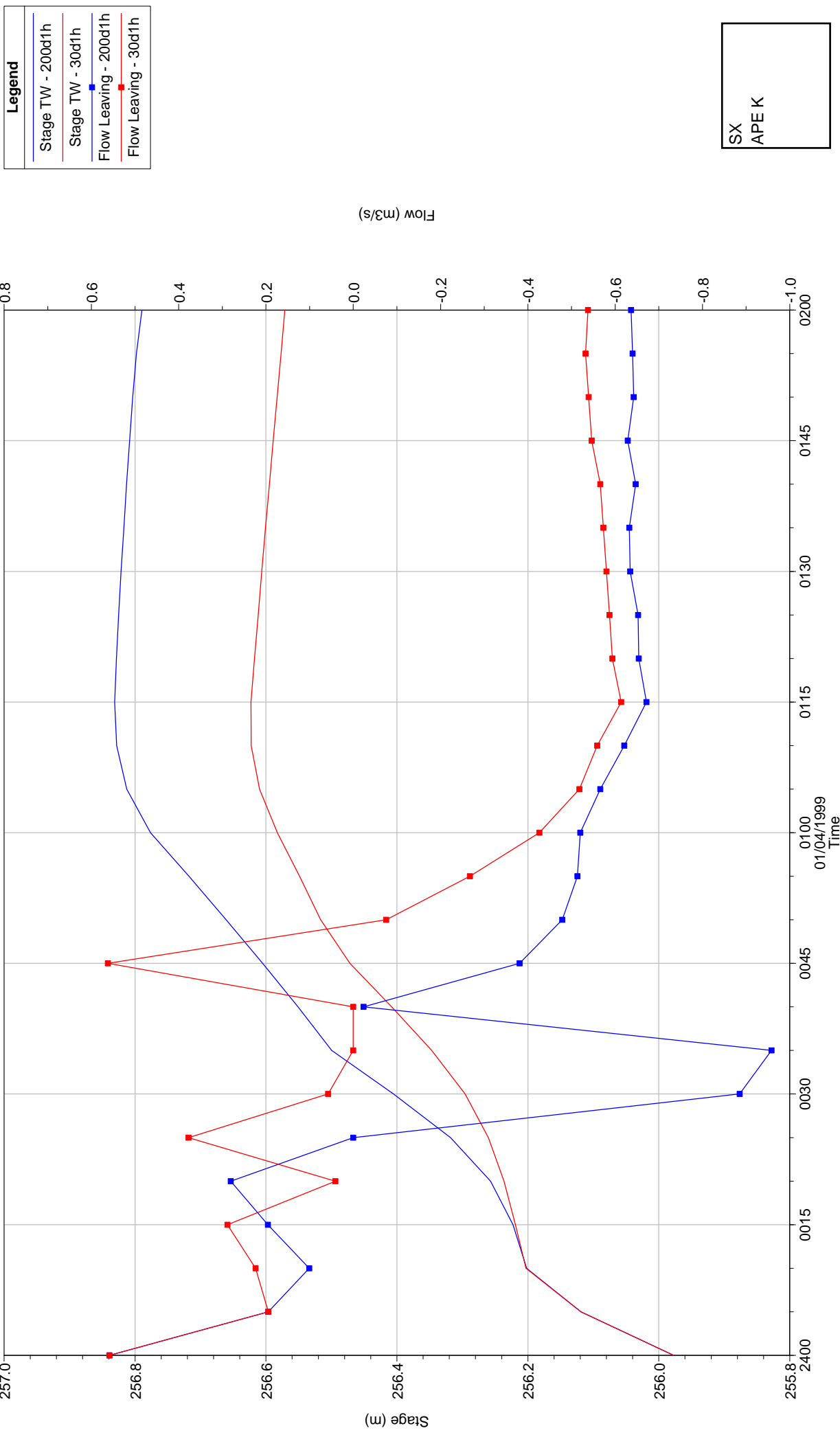
River: Af1_BF Reach: tratto 1 RS: 4.89



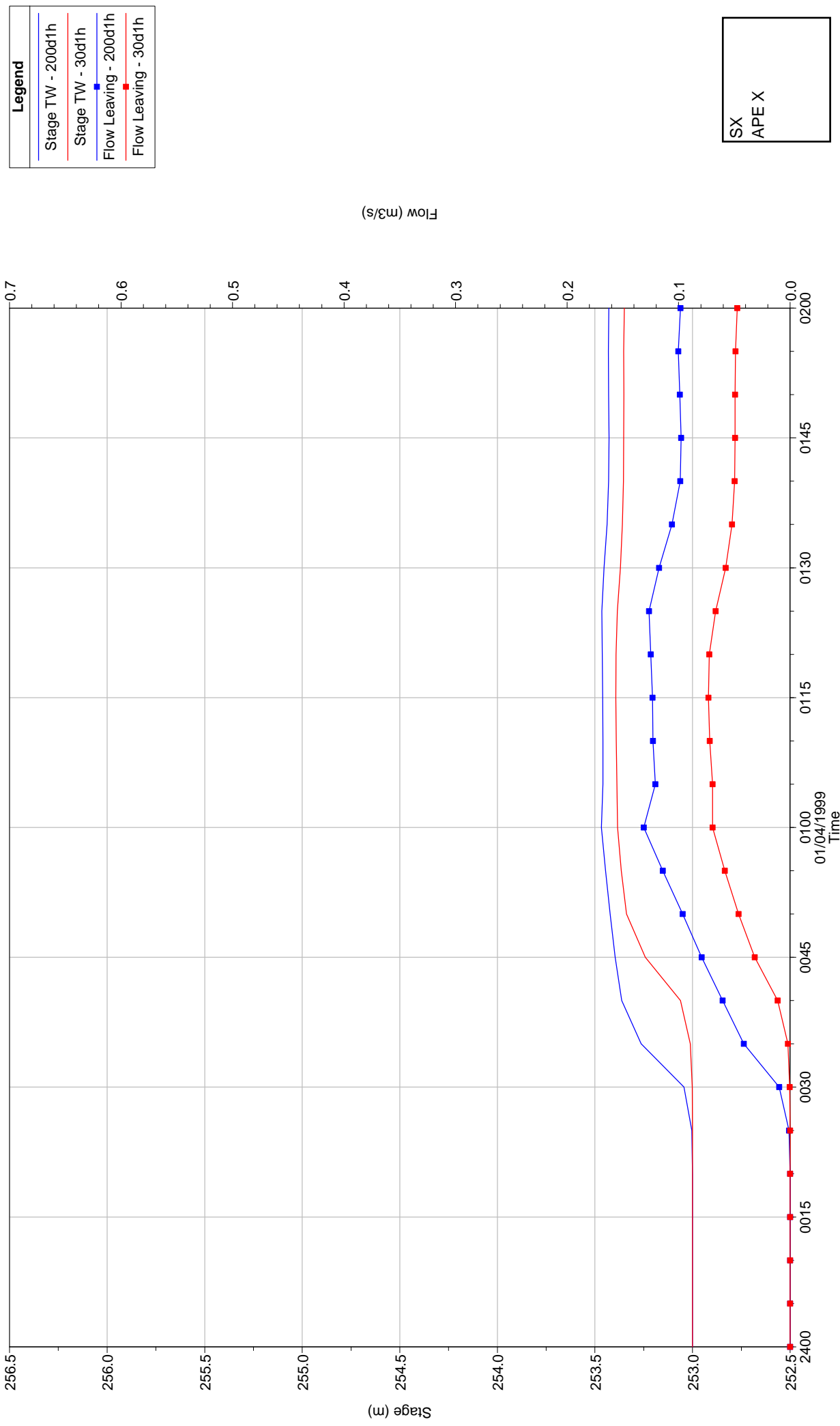
DX
APE K



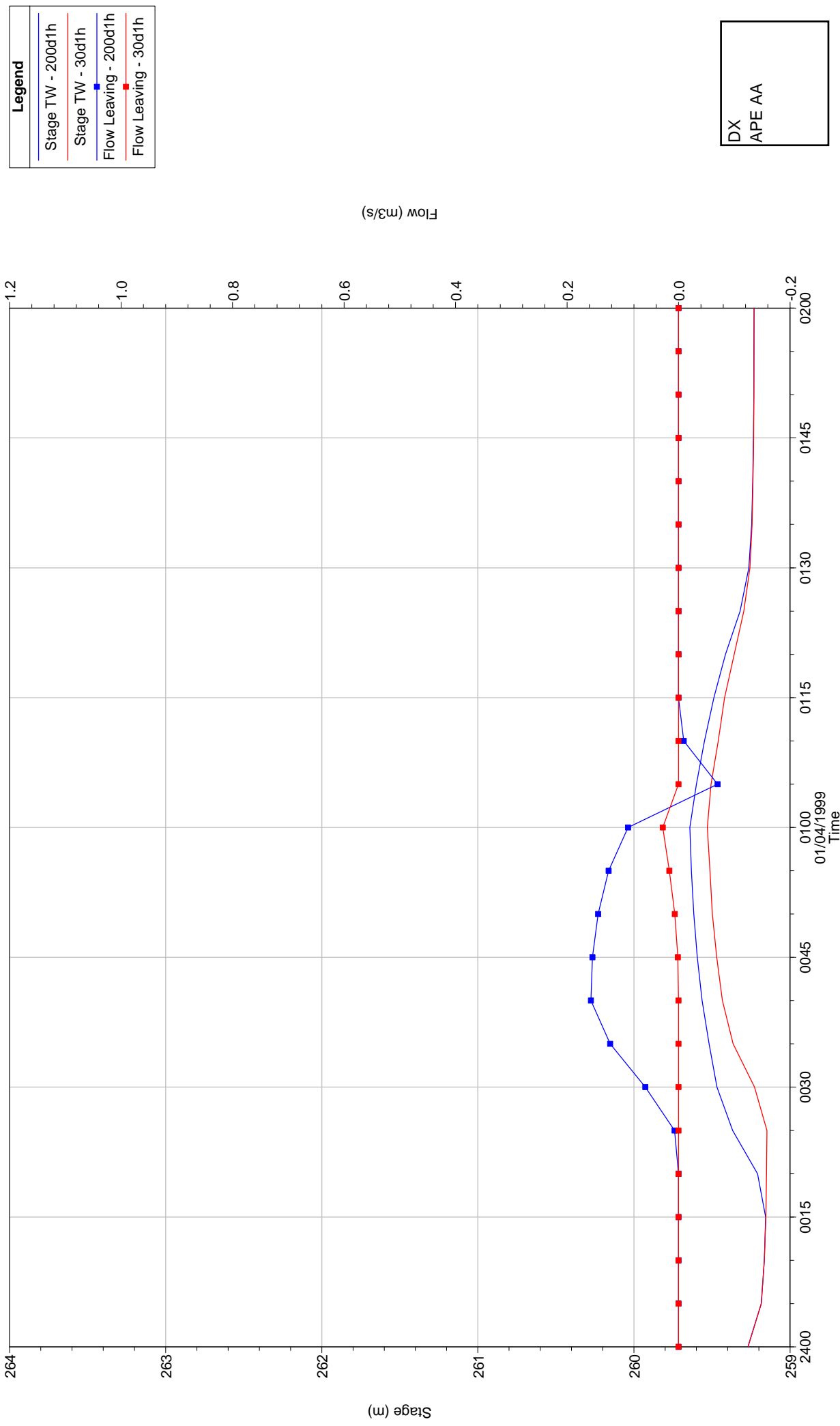
River: Af1_BF Reach: tratto 1 RS: 4.88



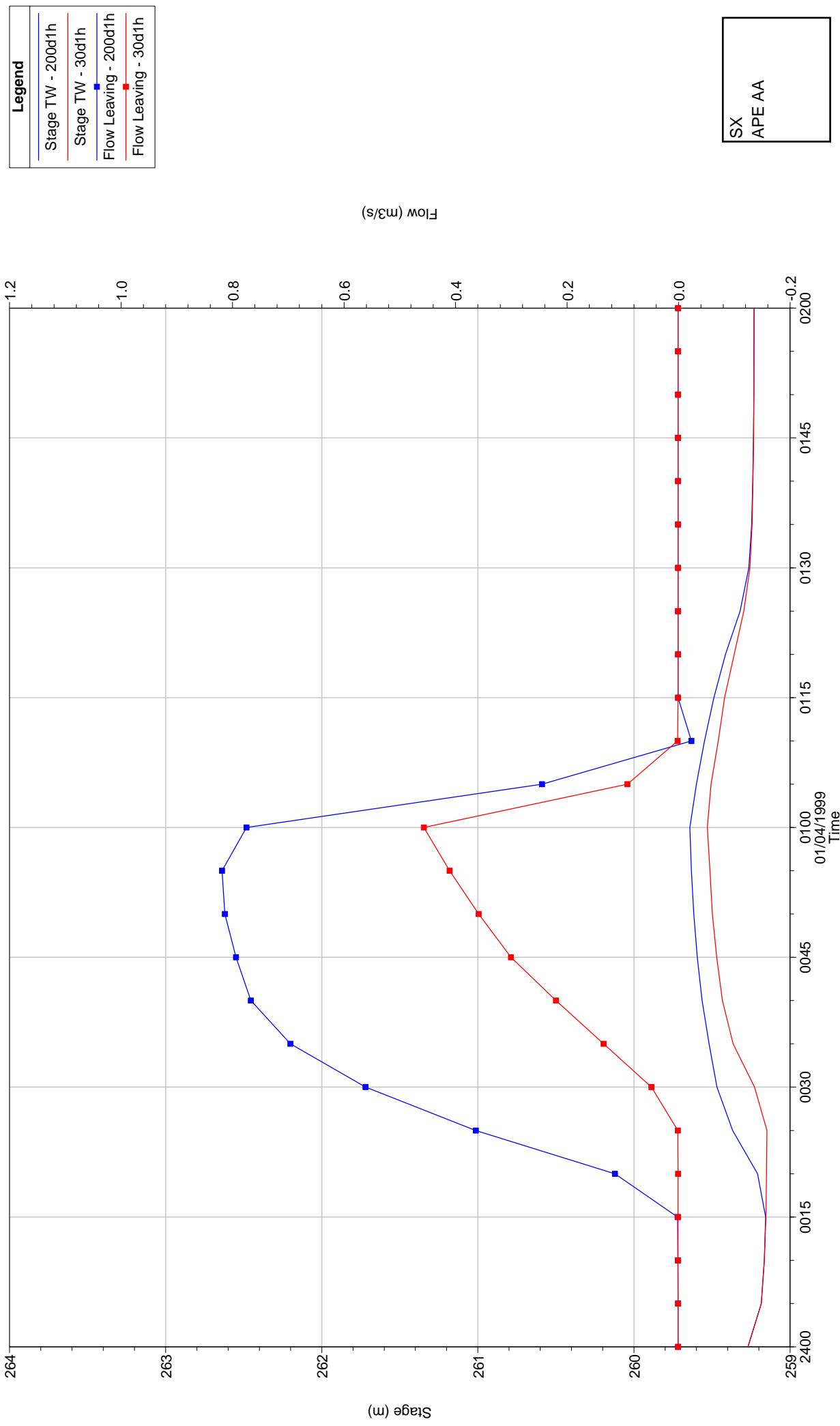
River: Af1_BF Reach: tratto 1 RS: 1.5



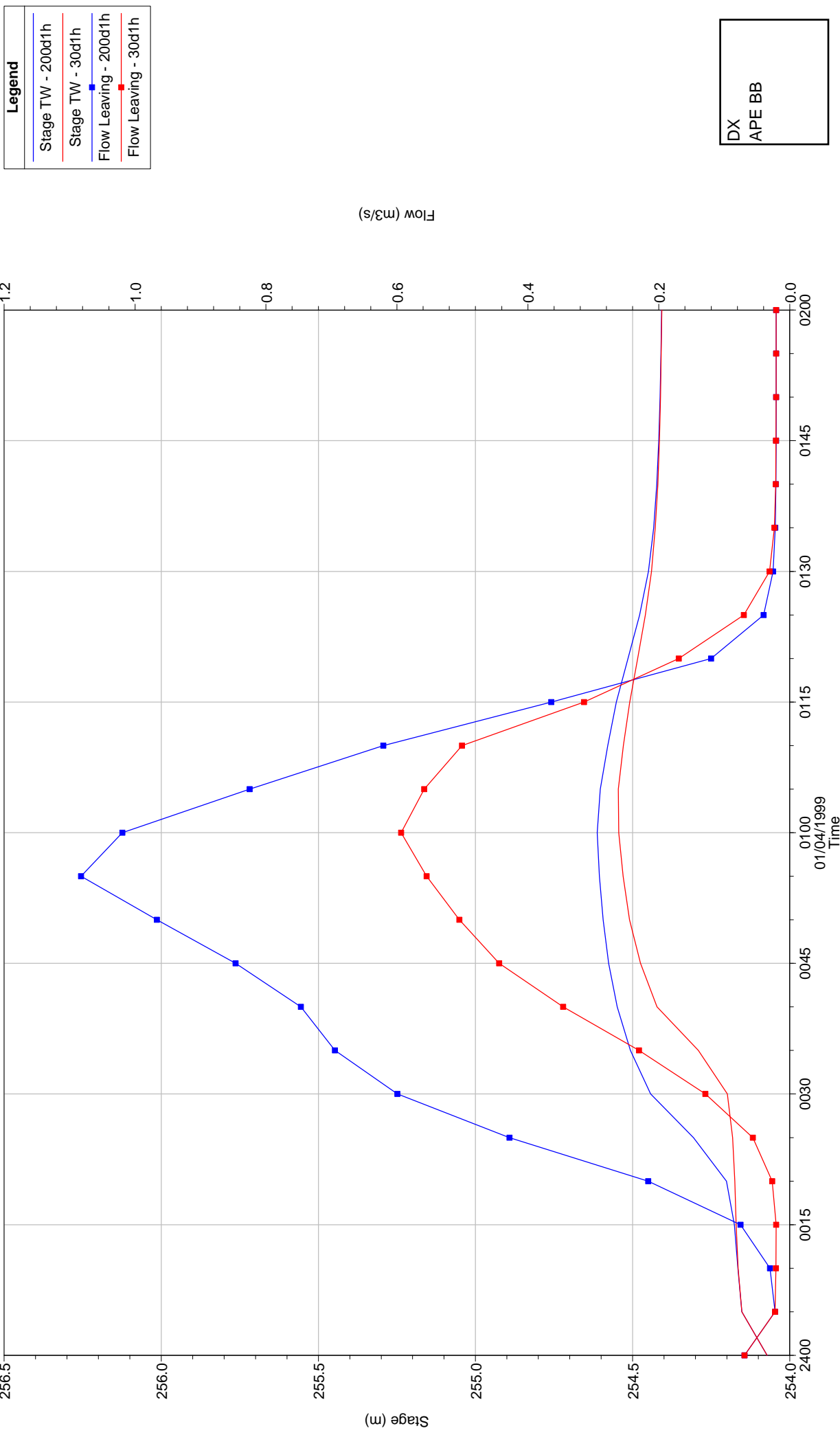
River: Af2_BF Reach: tratto 1 RS: 16.89



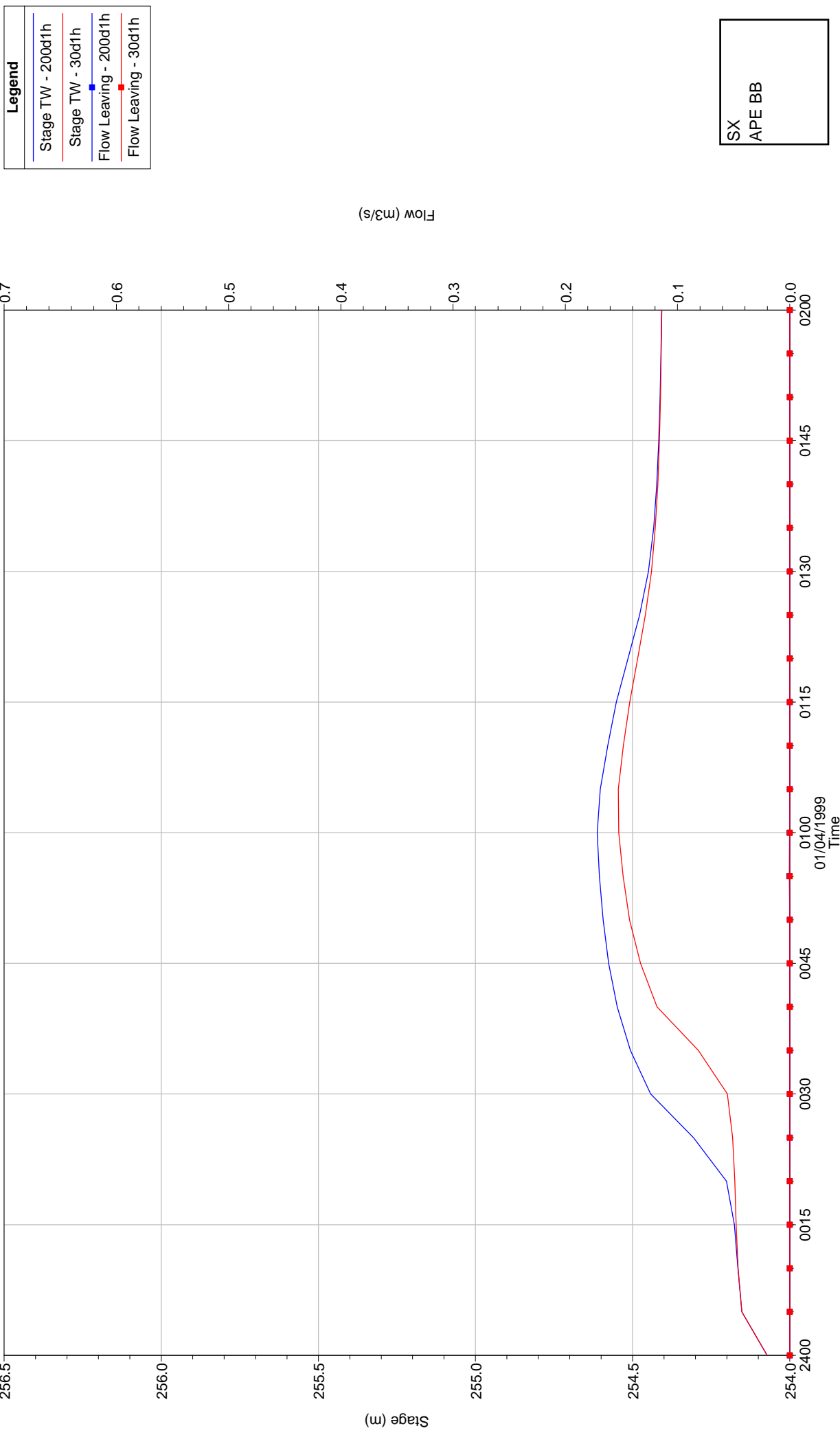
River: Af2_BF Reach: tratto 1 RS: 16.88



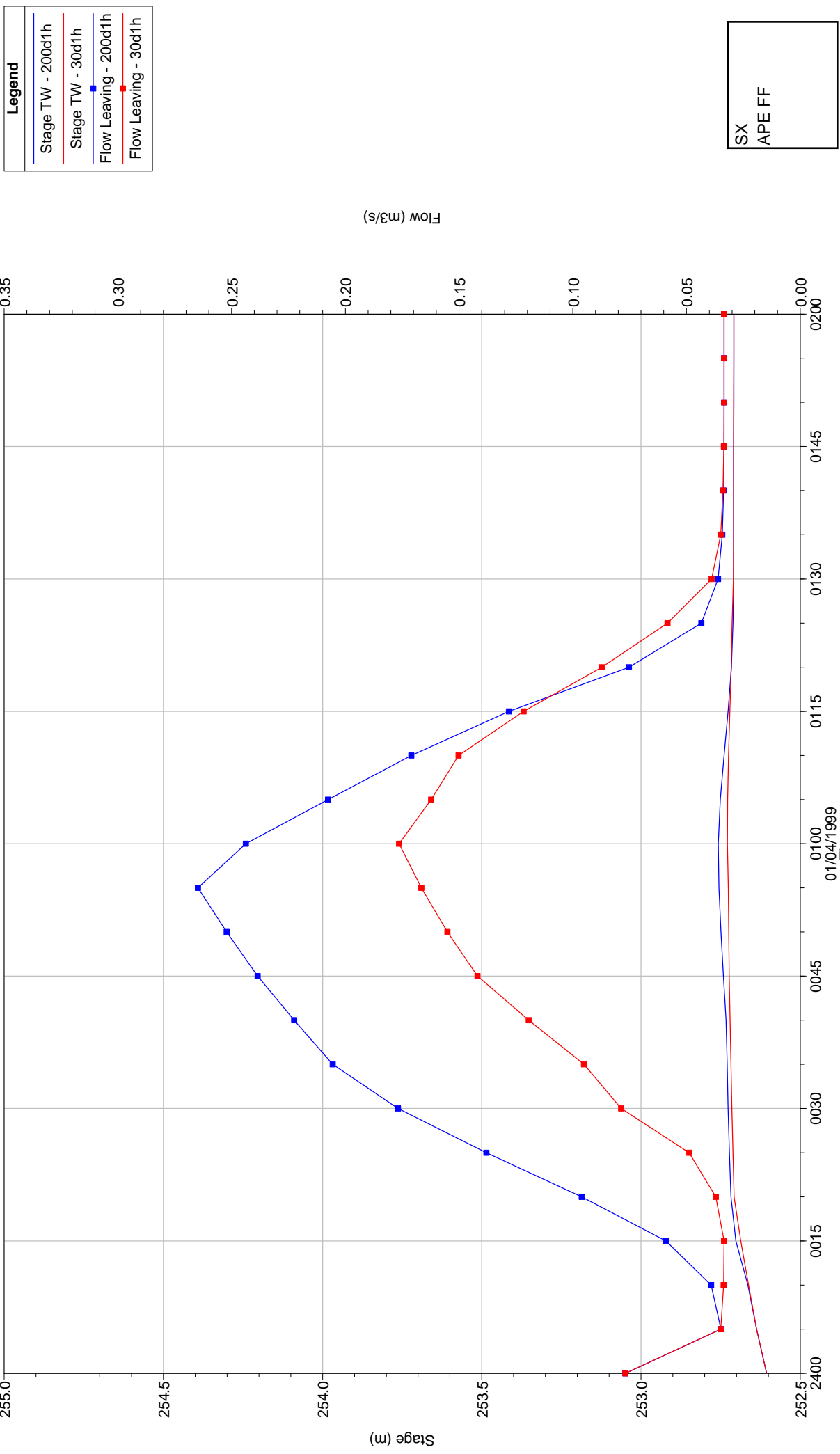
River: Af2_BF Reach: tratto 1 RS: 11.89



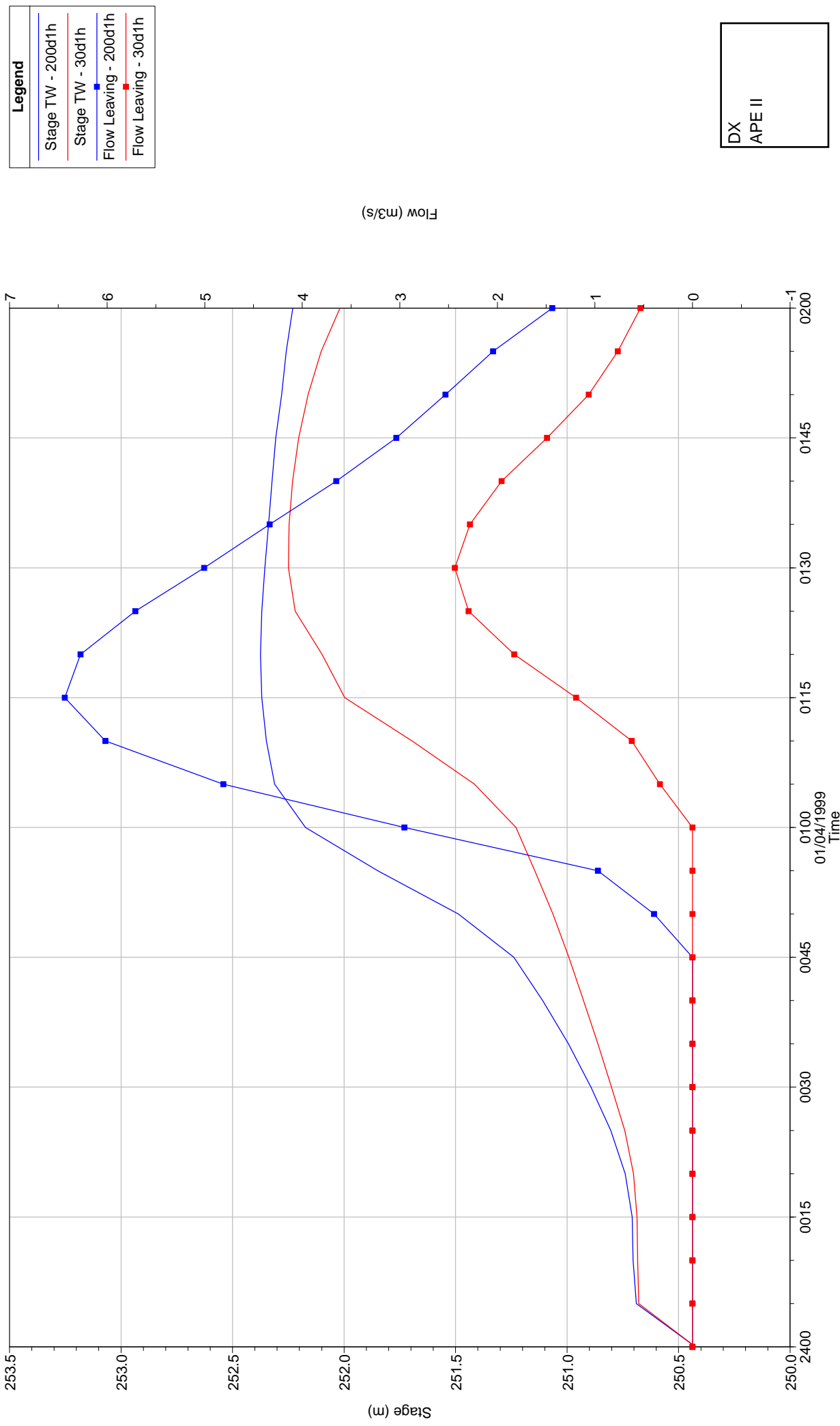
River: Af2_BF Reach: tratto 1 RS: 11.88



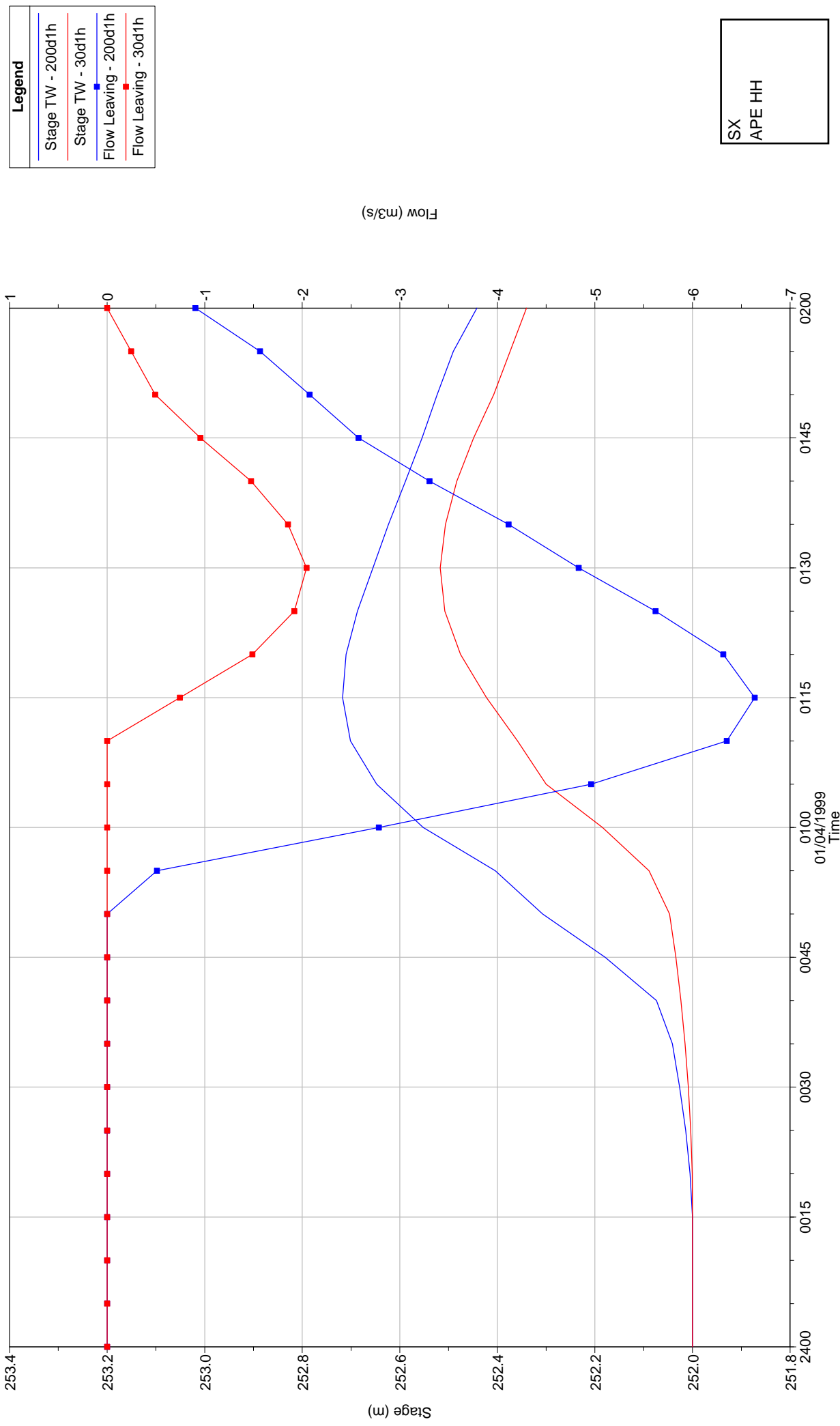
River: Af2_BF Reach: tratto 1 RS: 10.48



River: Af2_BF Reach: tratto 1 RS: 6.89

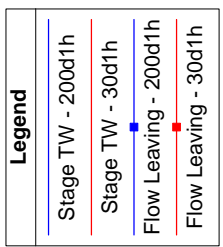


River: Af2_BF Reach: tratto 1 RS: 6.88

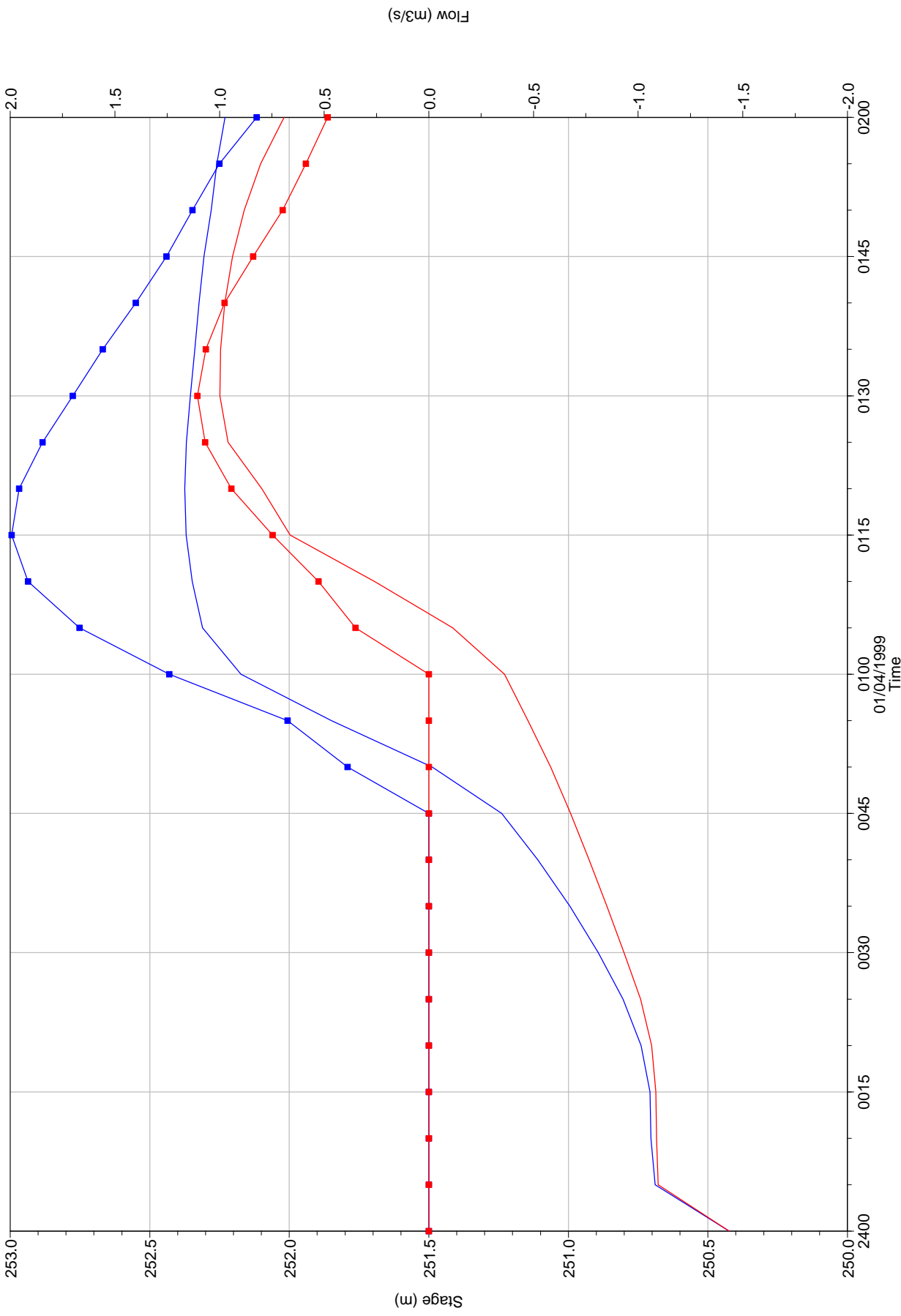


SX
APE HH

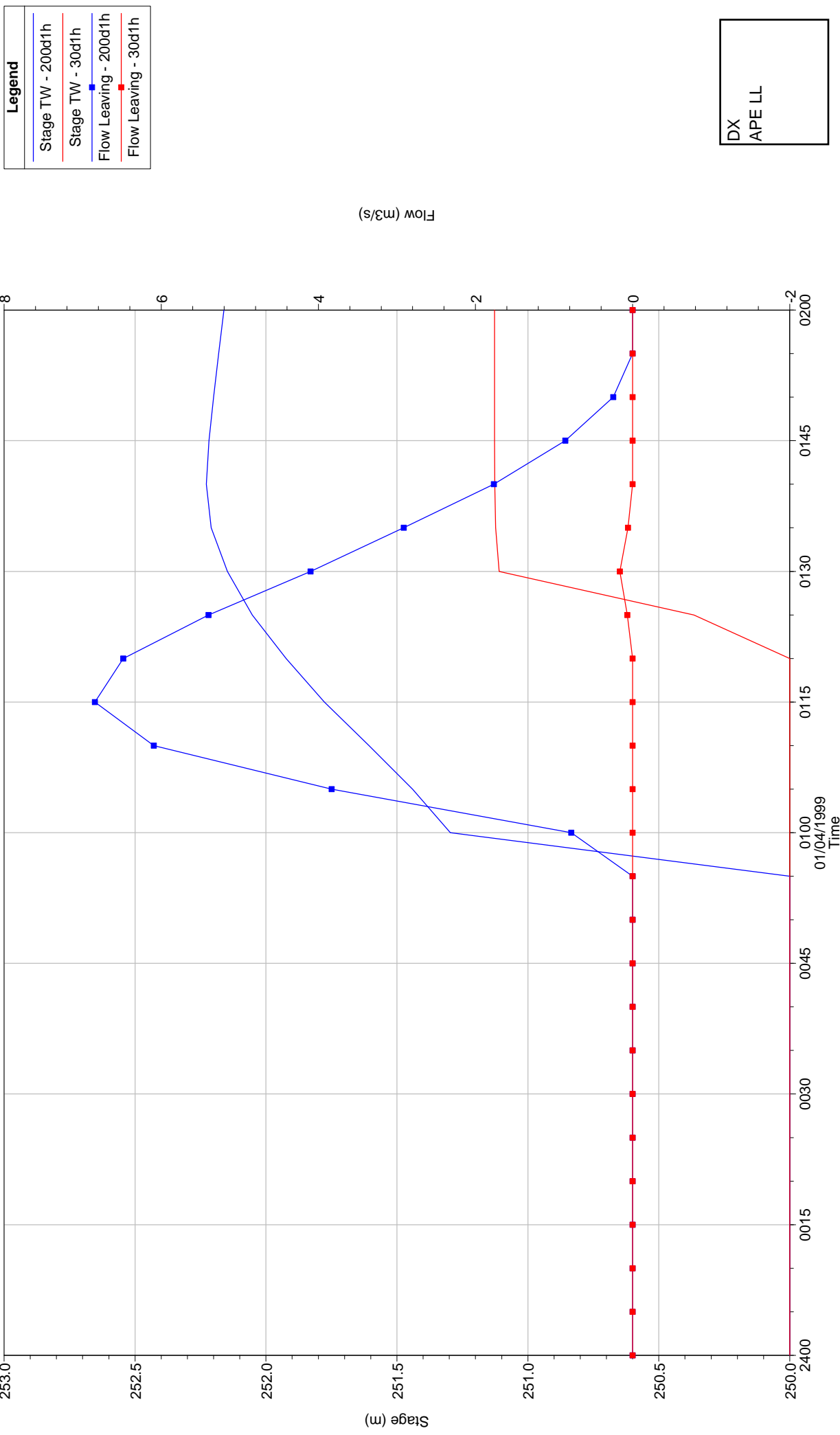
River: Af2_BF Reach: tratto 1 RS: 4.89



DX
APE II

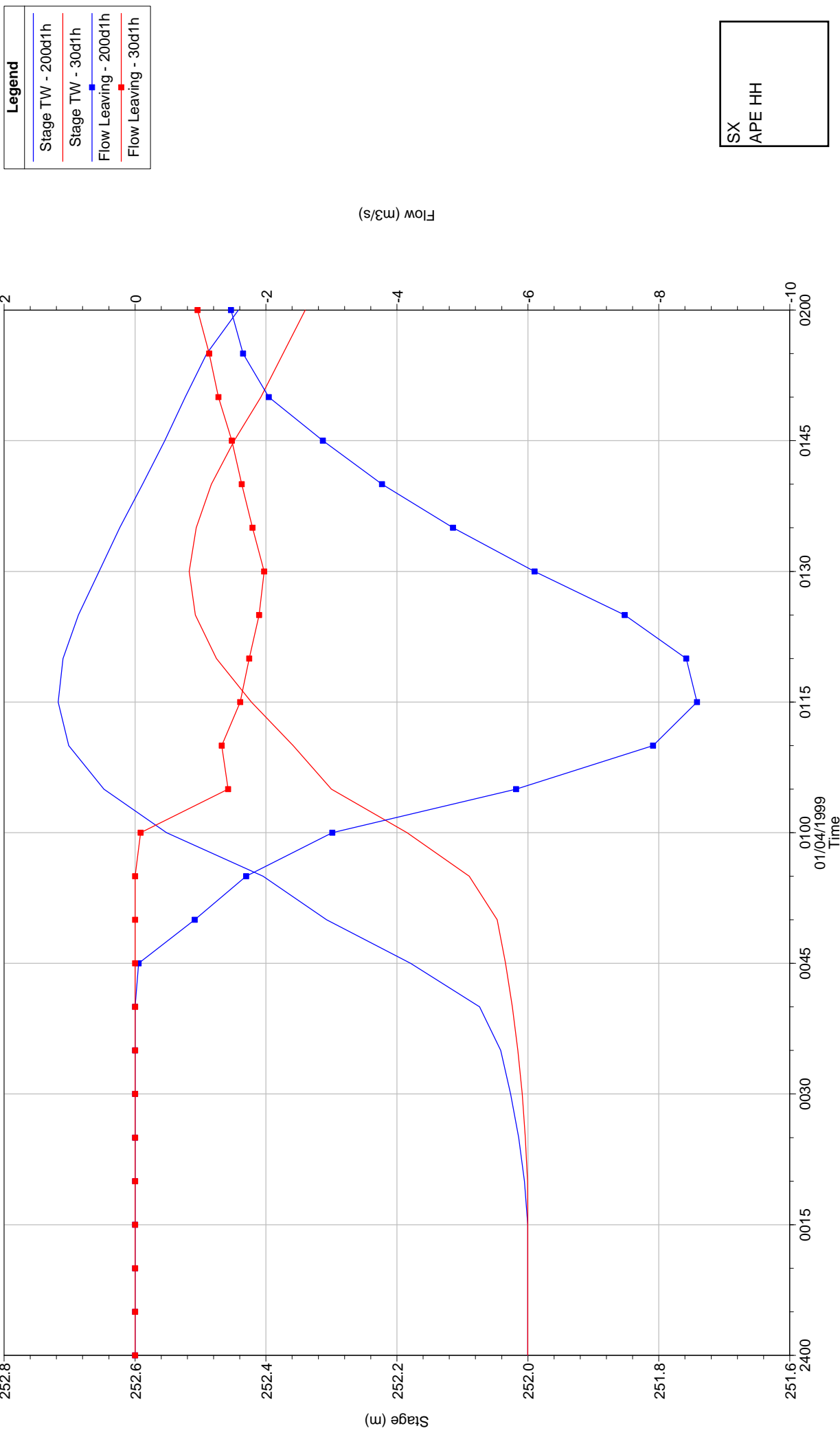


River: Af2_BF Reach: tratto 1 RS: 3.89

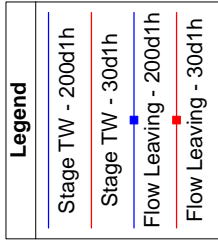


DX
APE LL

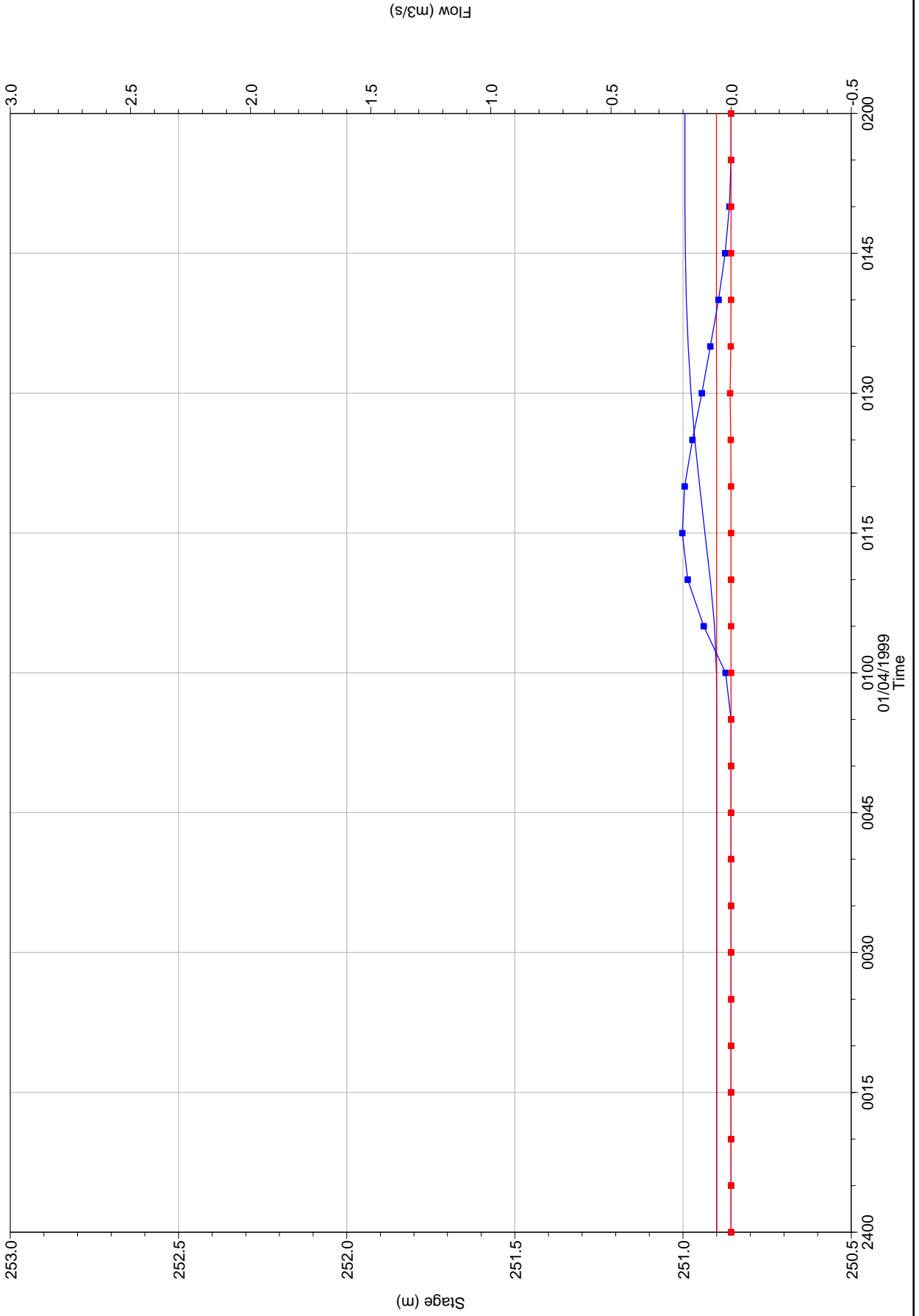
River: Af2_BF Reach: tratto 1 RS: 3.88



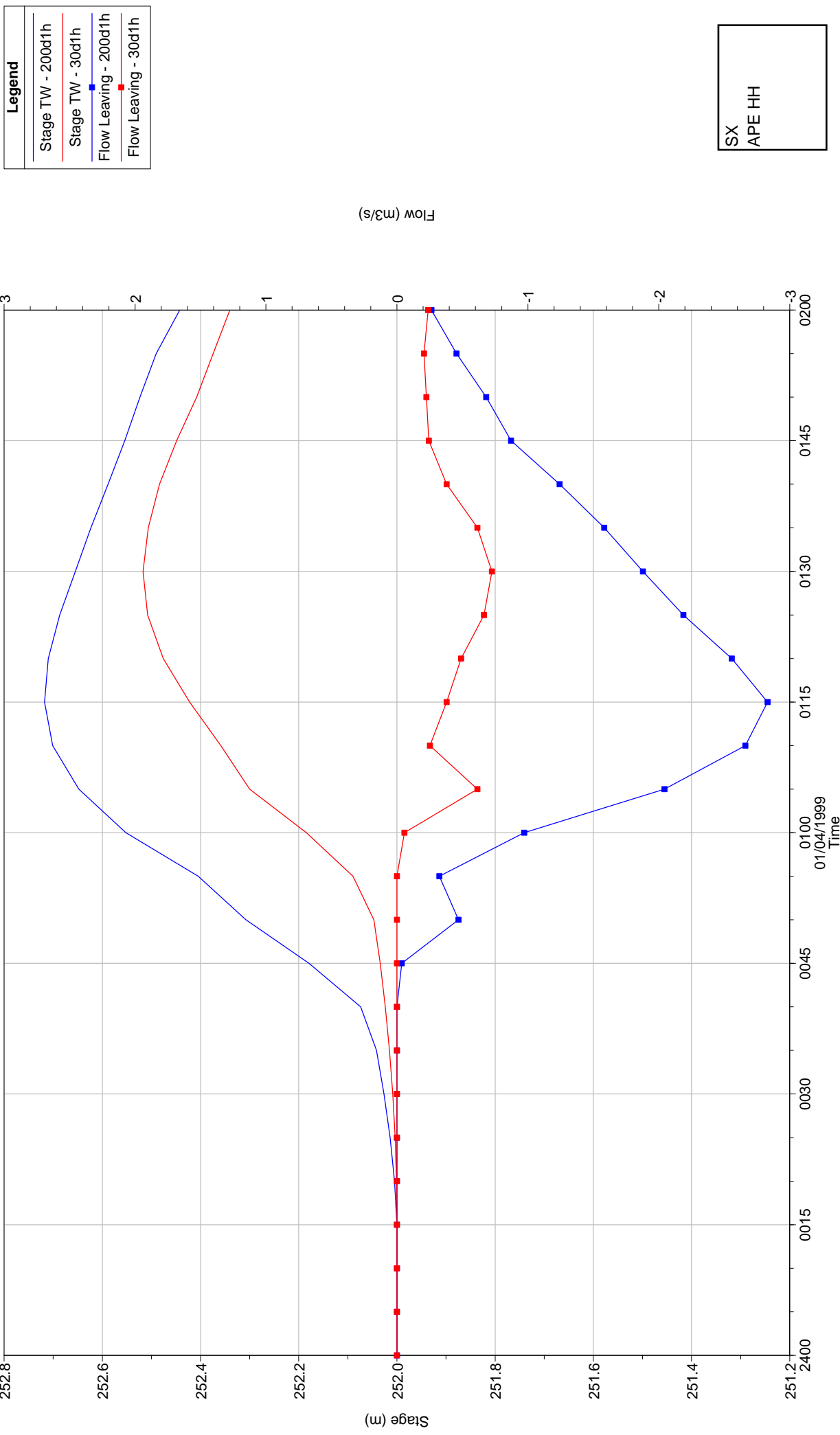
River: Af2_BF Reach: tratto 1 RS: 1.89



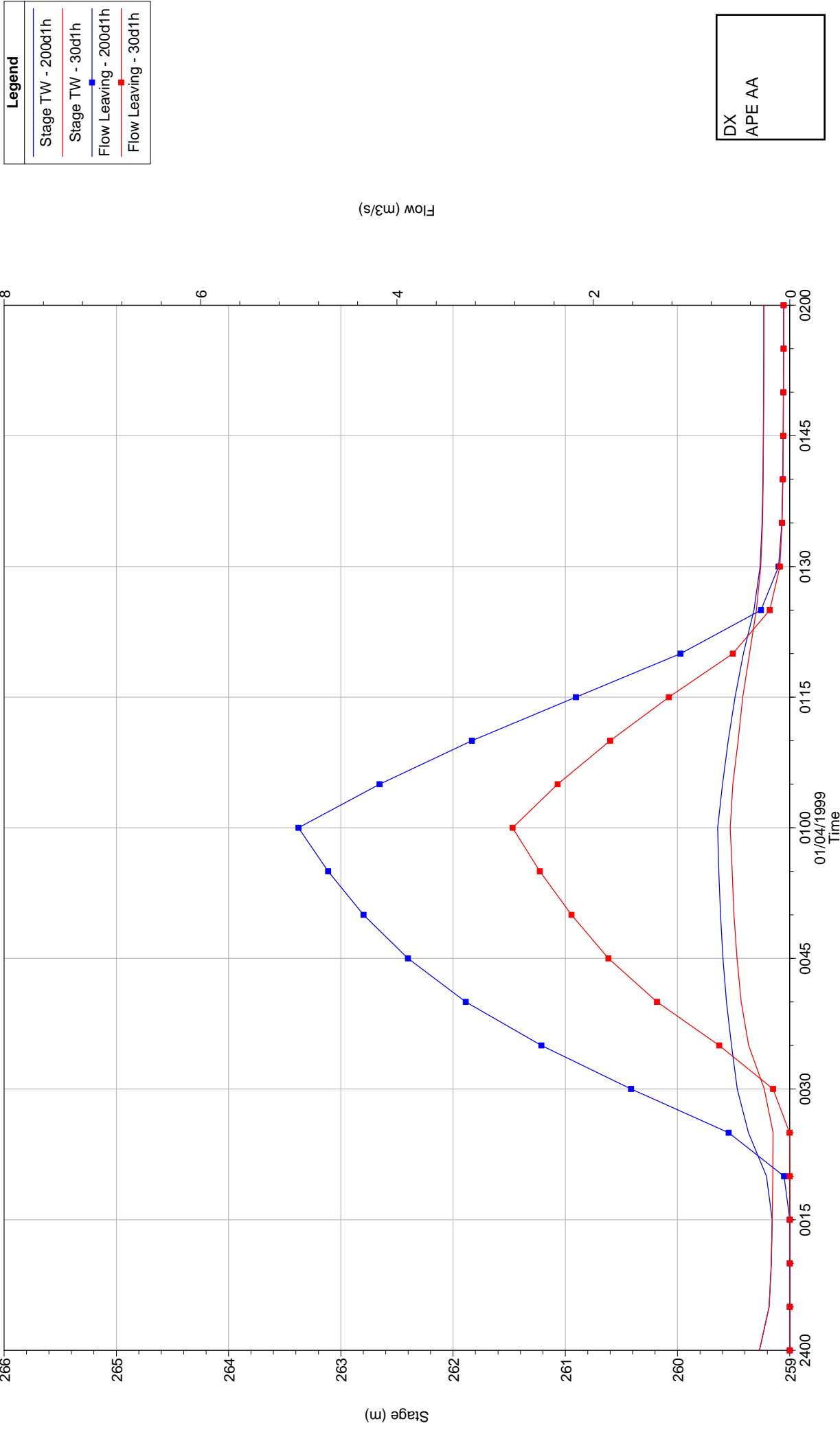
DX
APE MM



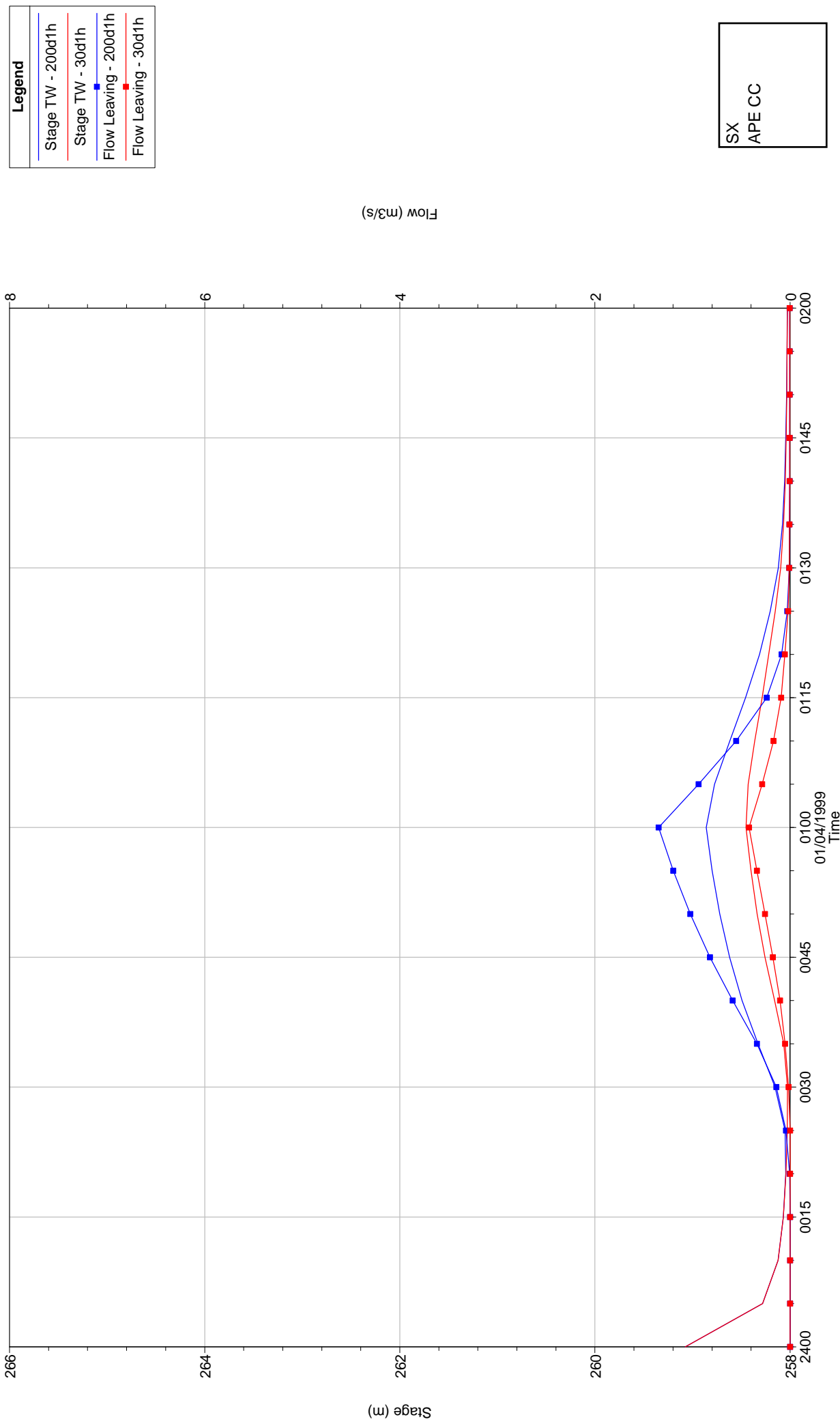
River: Af2_BF Reach: tratto 1 RS: 1.88



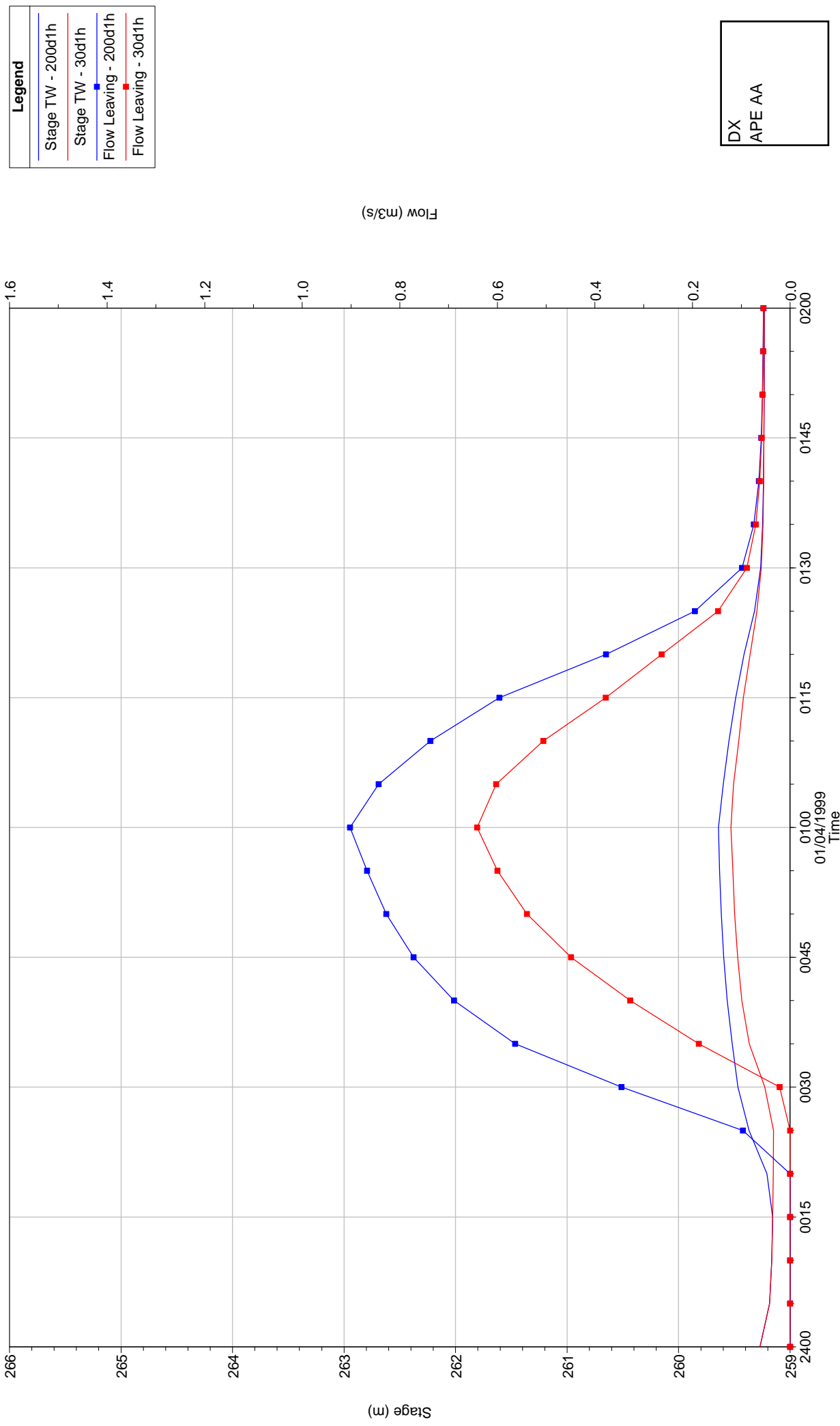
River: FM Reach: tratto 1 RS: 12.89



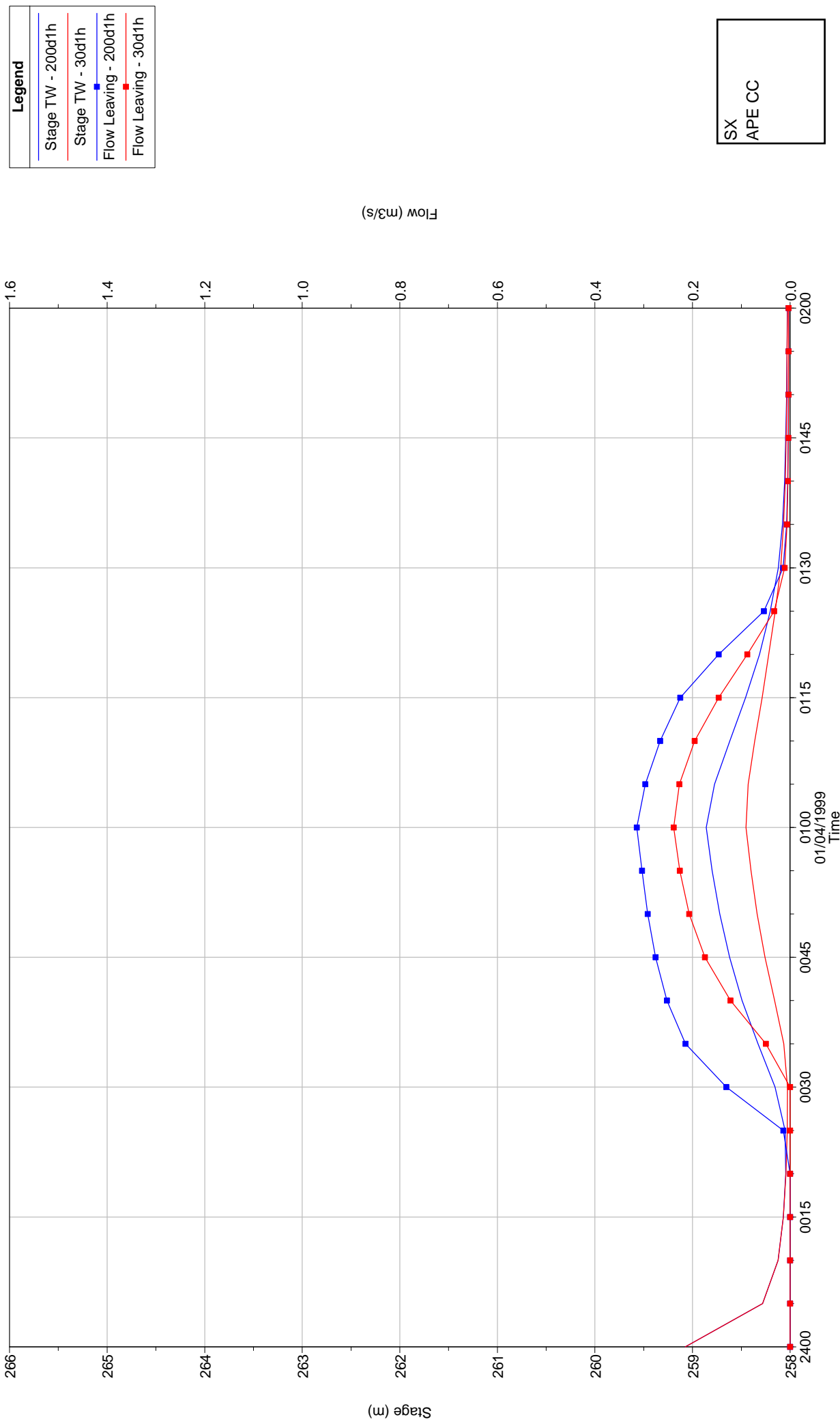
River: FM Reach: tratto 1 RS: 12.88



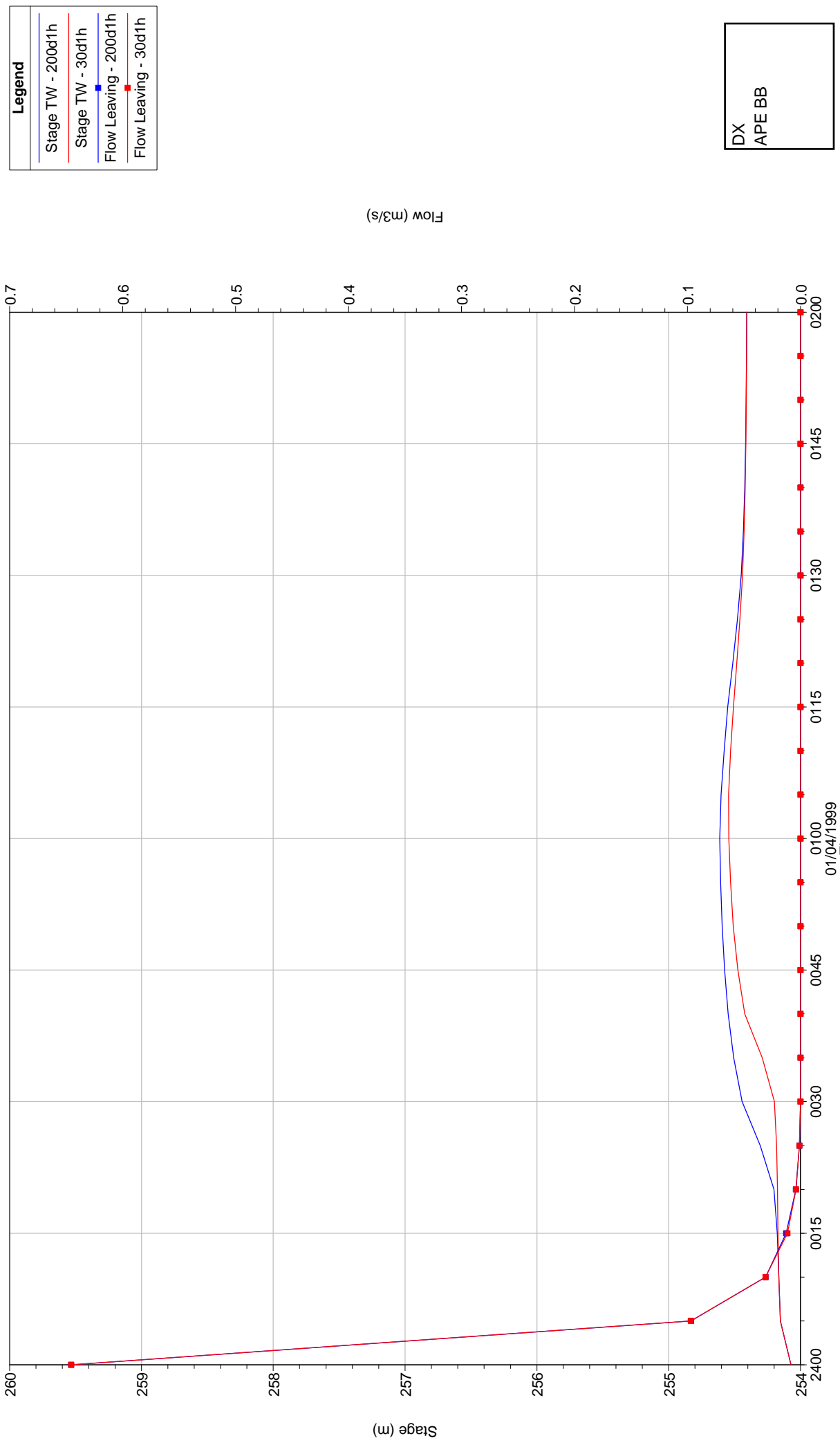
River: FM Reach: tratto 1 RS: 9.89



River: FM Reach: tratto 1 RS: 9.88



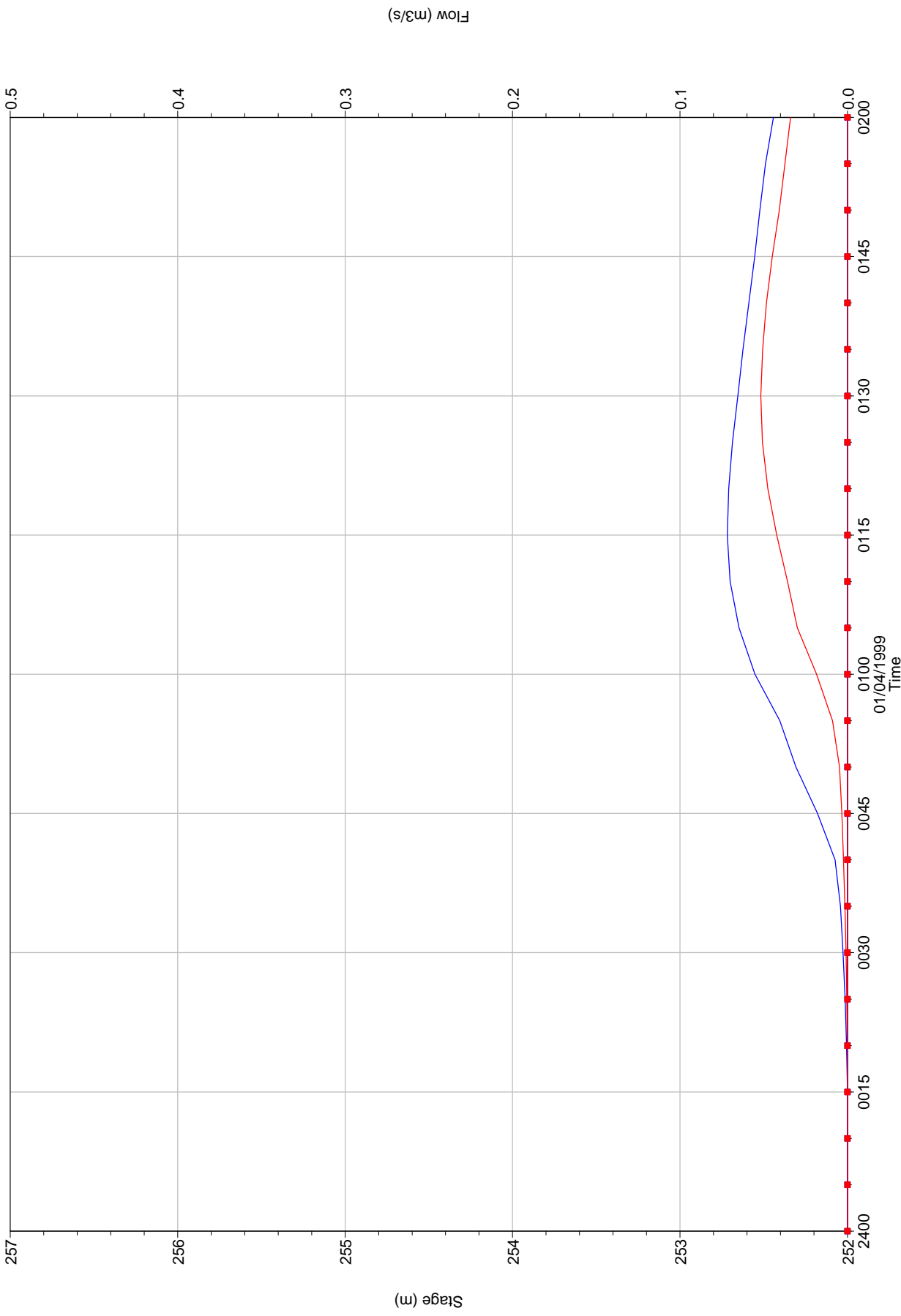
River: FM Reach: tratto 1 RS: 5.89



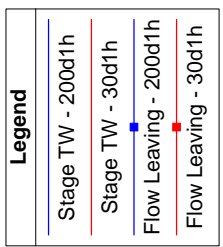
River: FM Reach: tratto 1 RS: 3.89

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
—	Flow Leaving - 200d1h
—	Flow Leaving - 30d1h

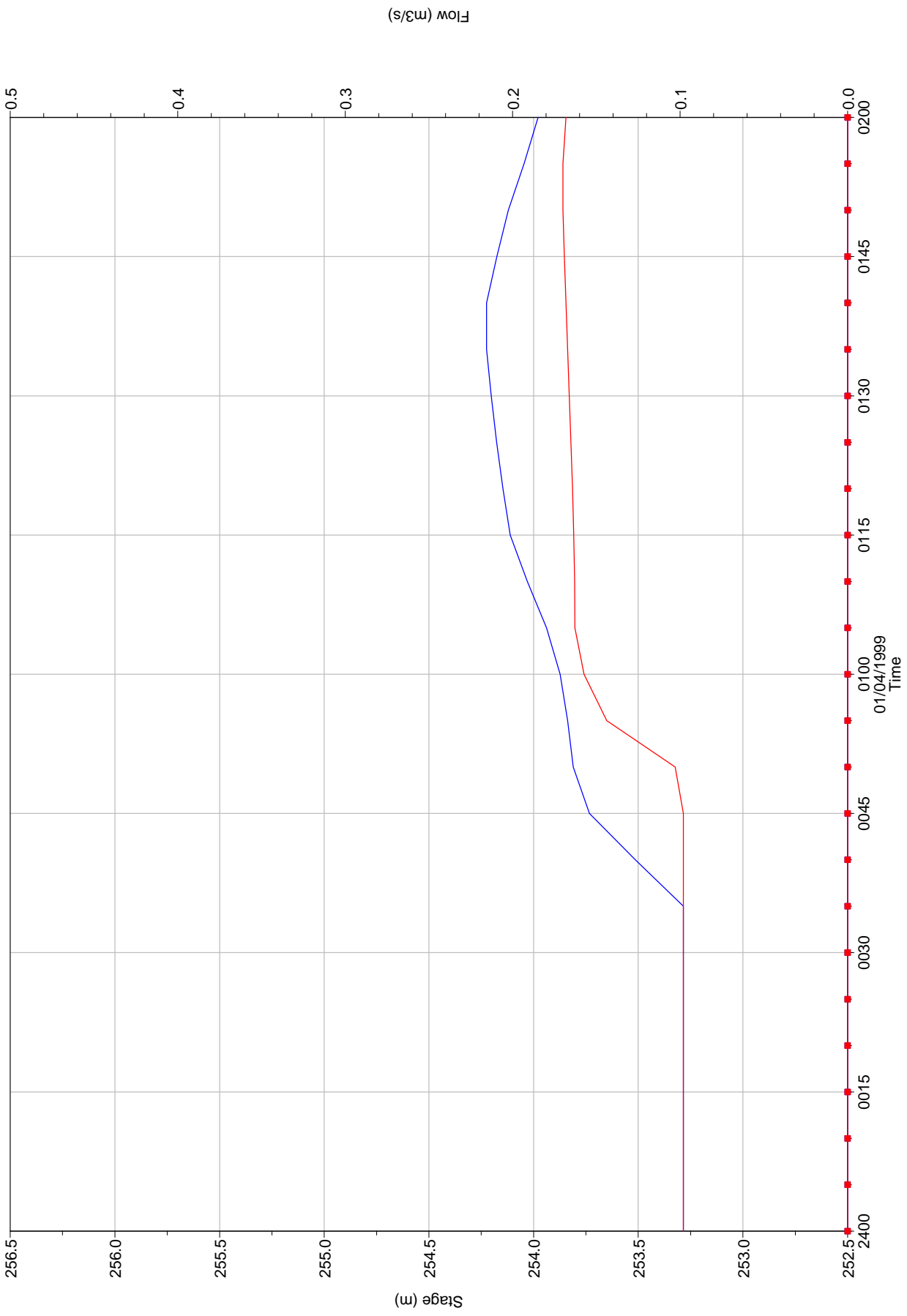
DX
APE HH



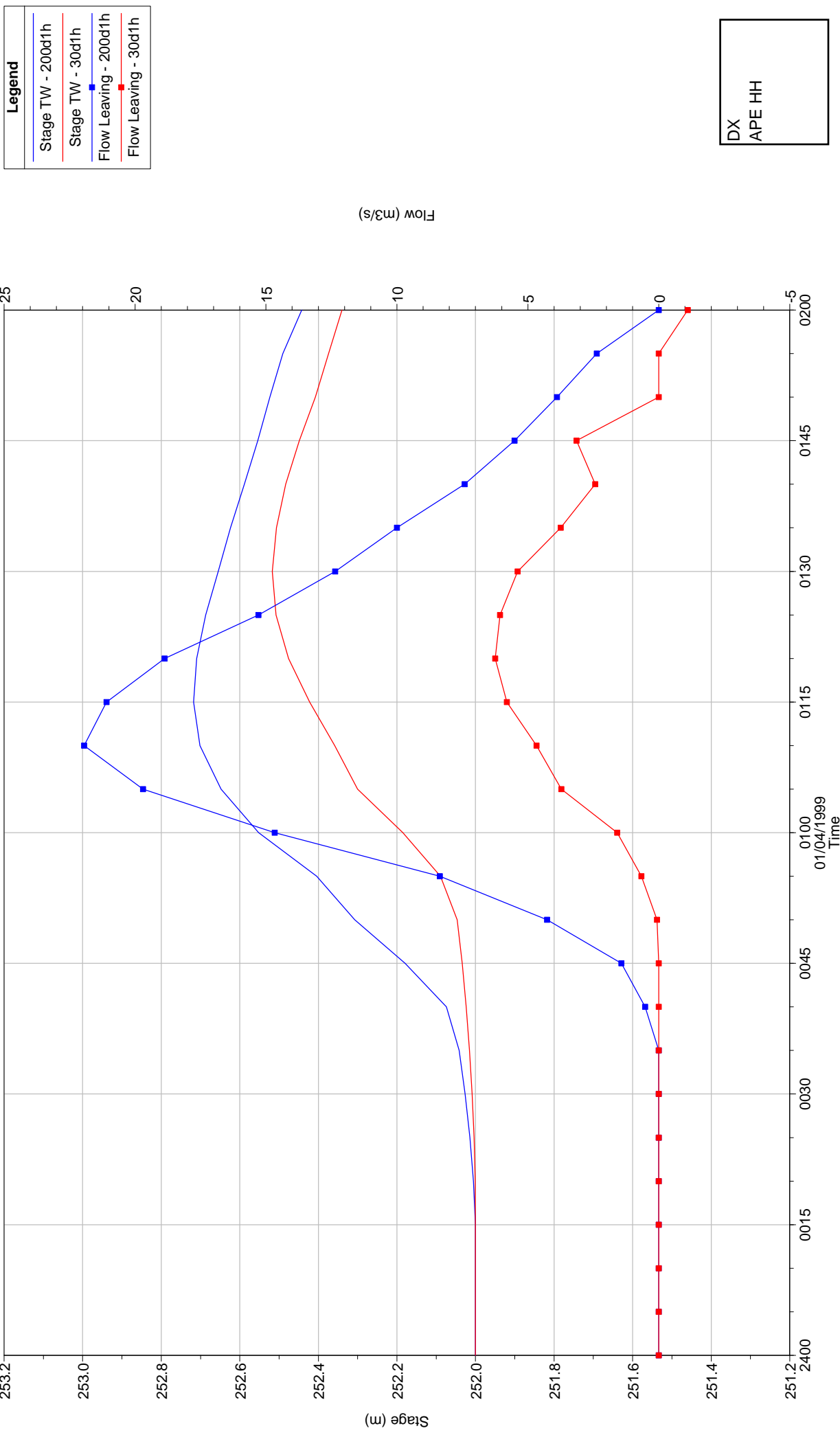
River: FM Reach: tratto 1 RS: 3.88



SX
APE GG

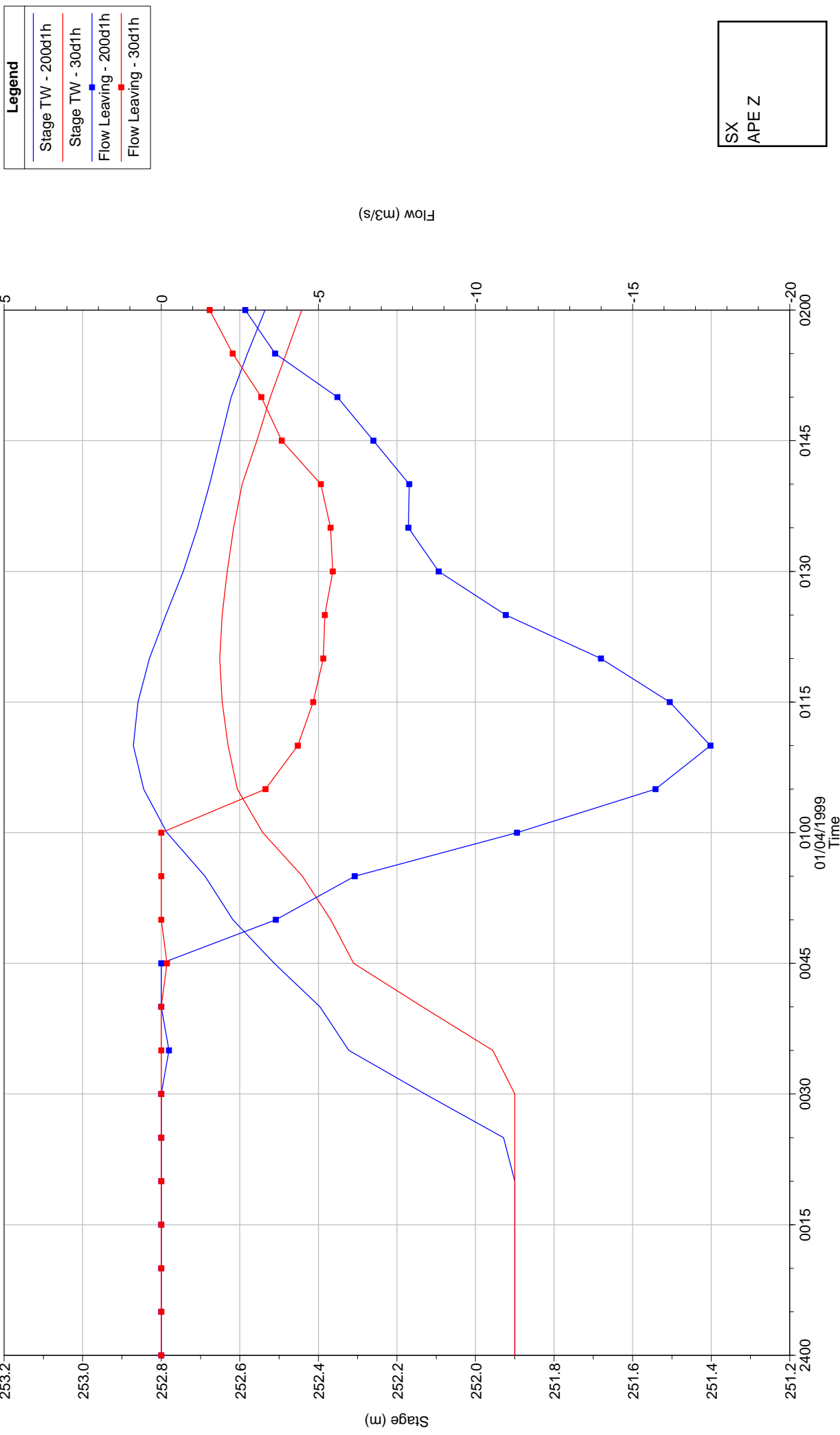


River: FM Reach: tratto 2 RS: 1.89

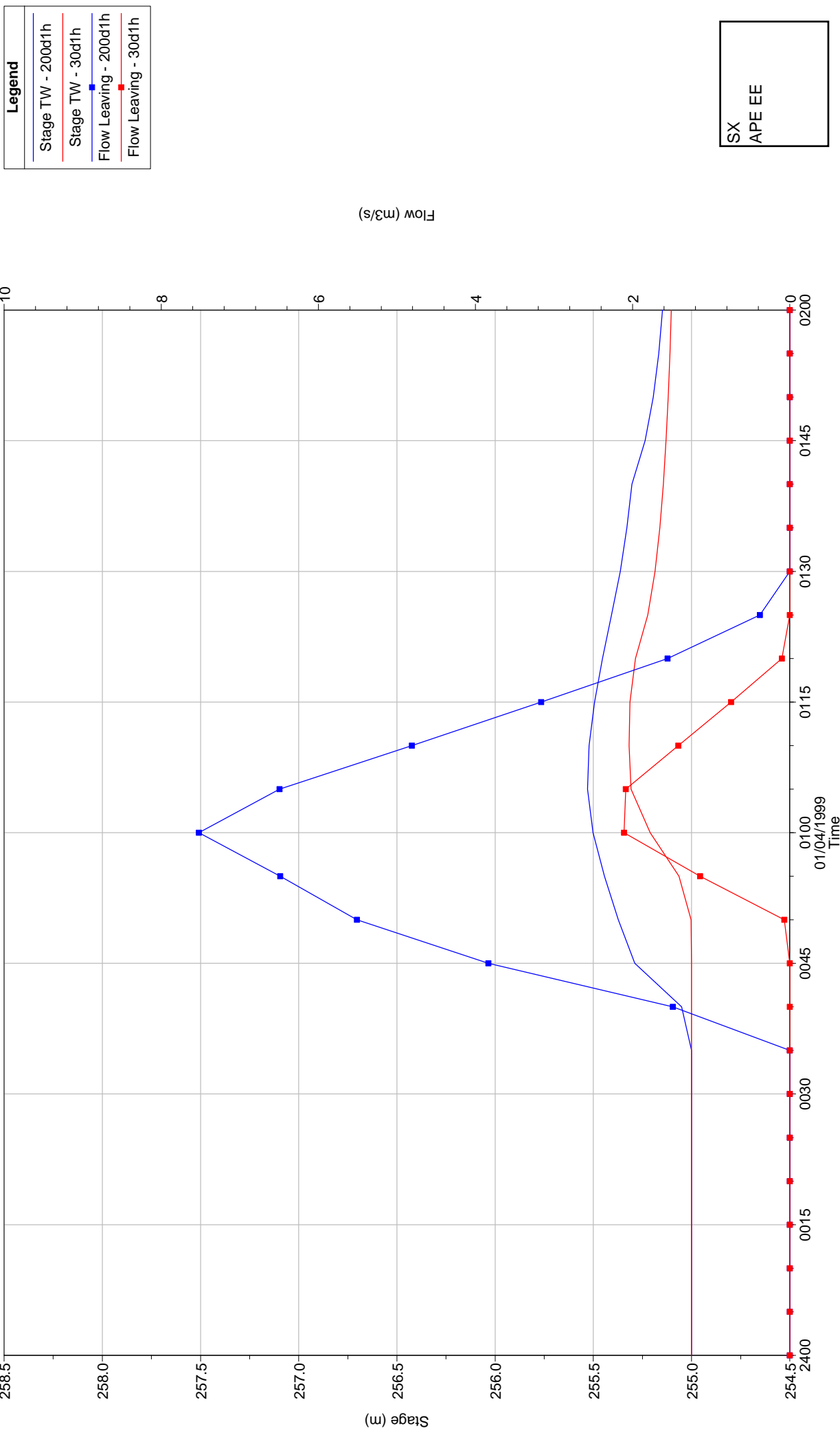


DX
APE HH

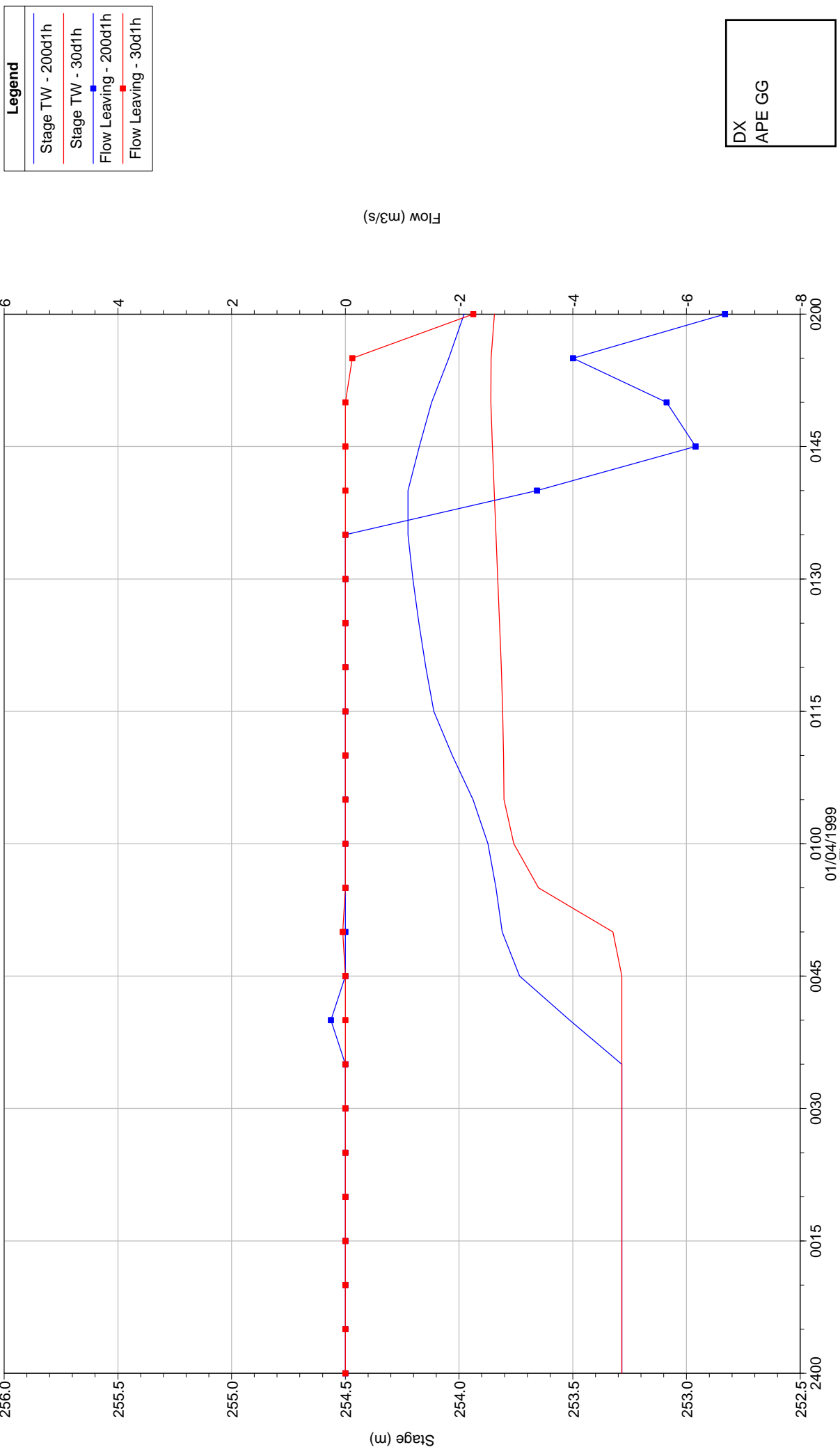
River: FM Reach: tratto 2 RS: 1.88



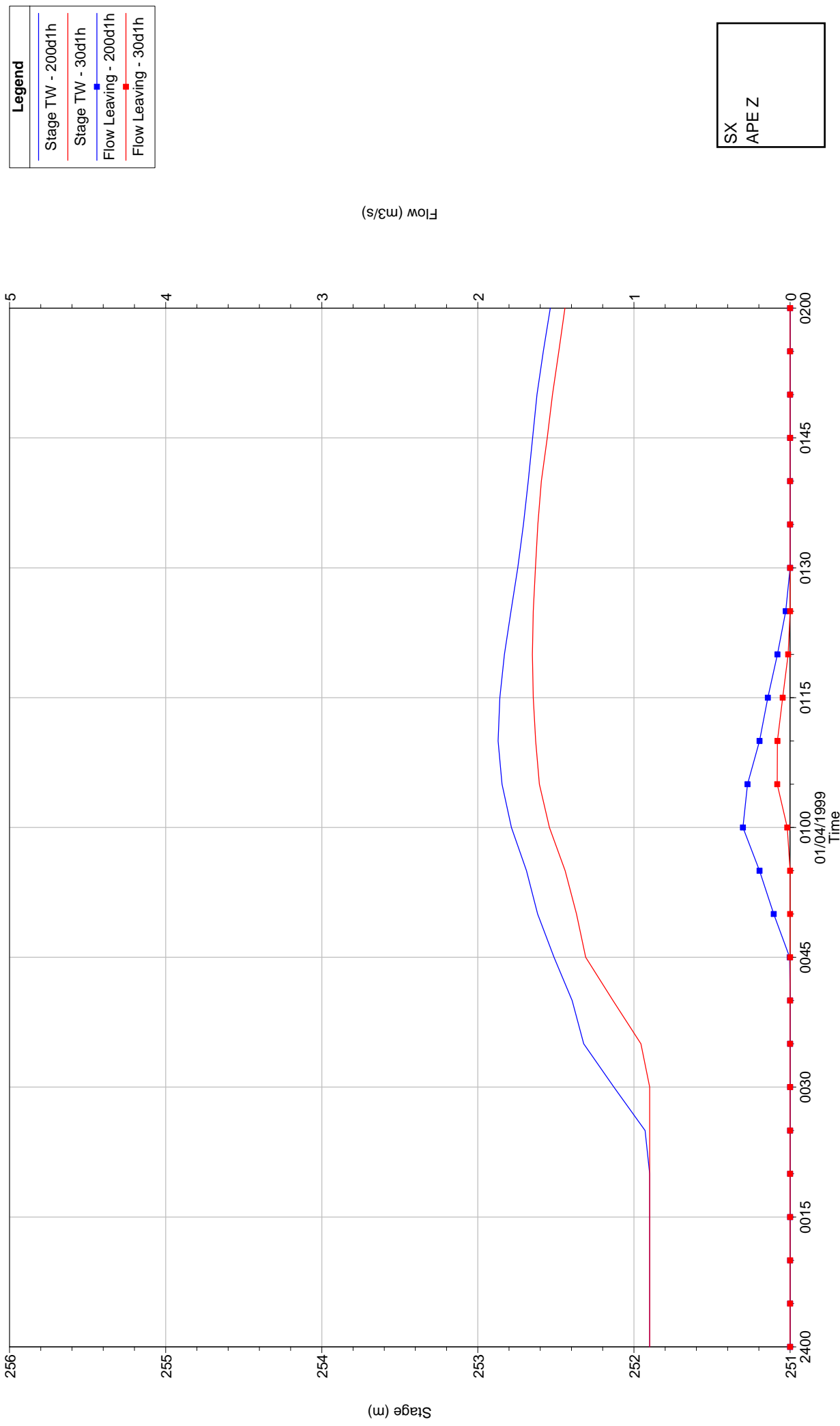
River: Af1_FM Reach: tratto 1 RS: 5.88



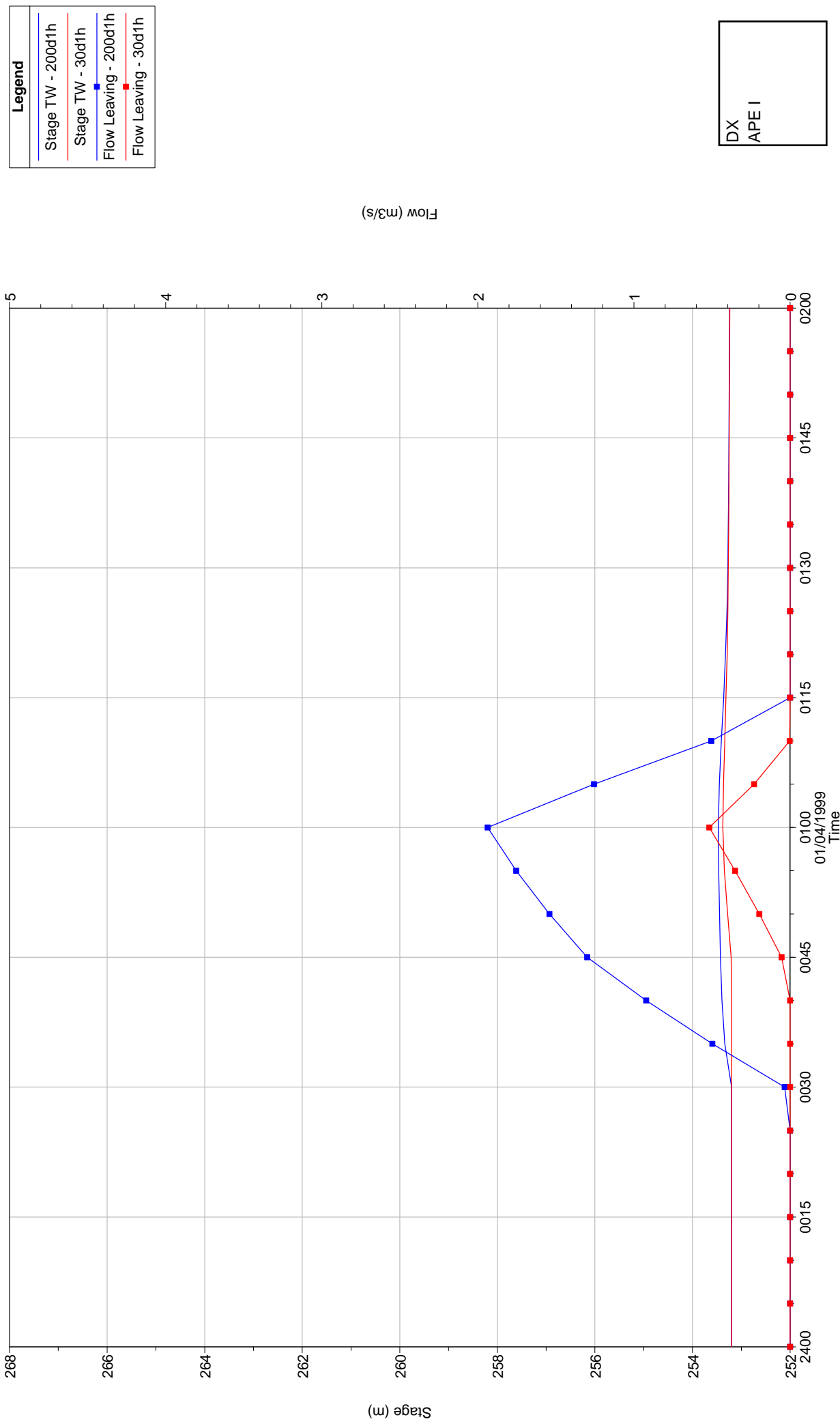
River: Af1_FM Reach: tratto 1 RS: 1.89



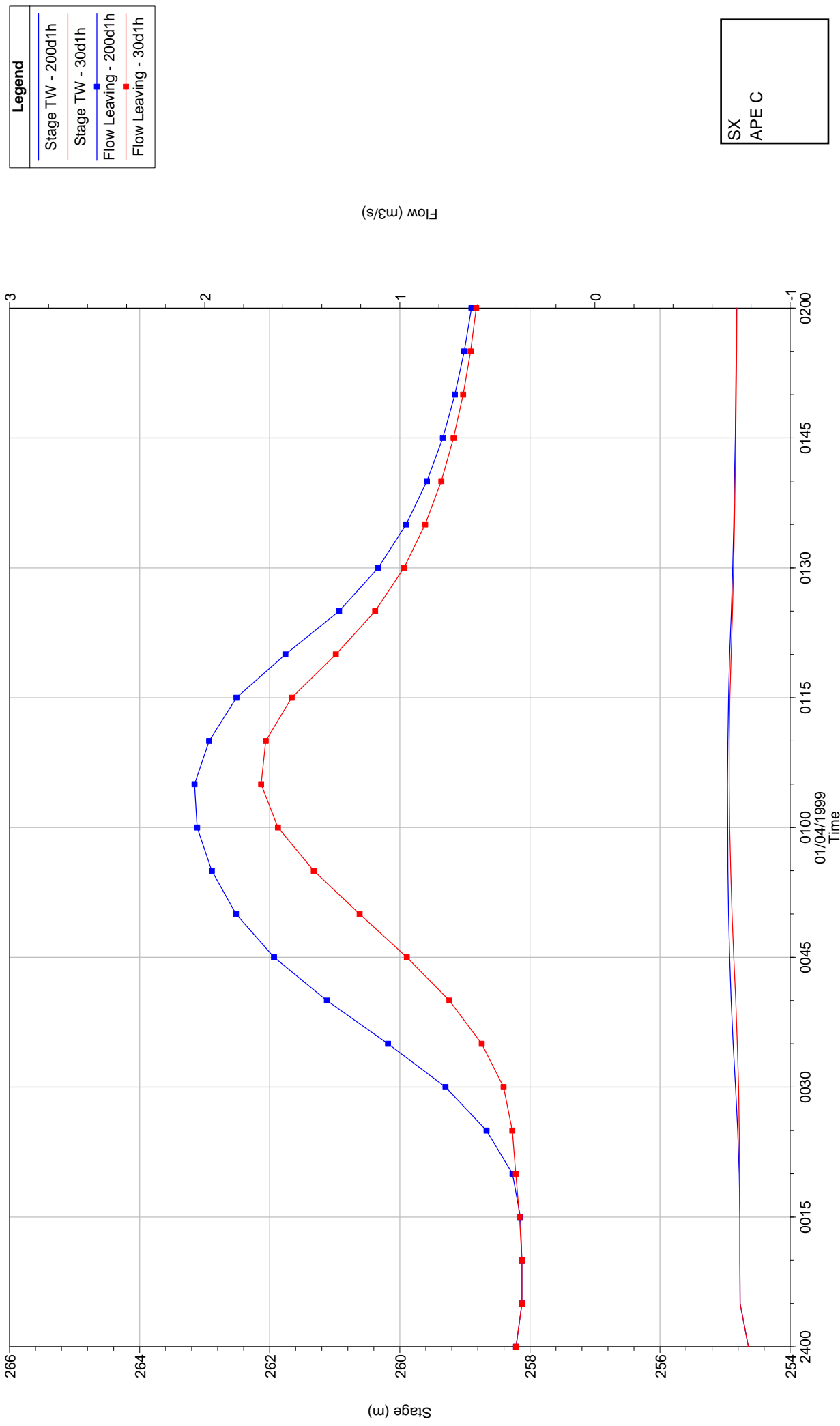
River: Af1_FM Reach: tratto 1 RS: 1.88



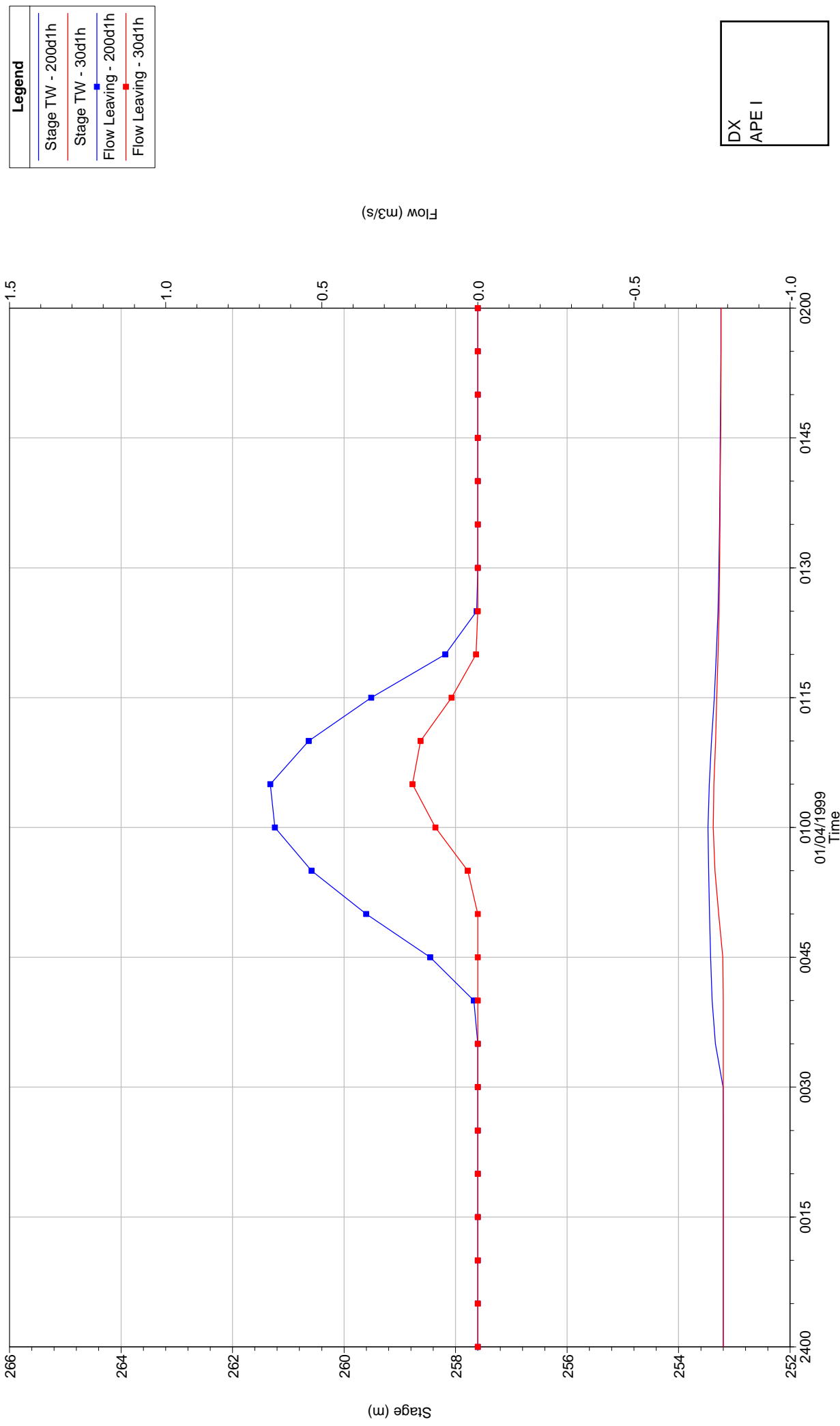
River: BMC Reach: tratto 1 RS: 17.89



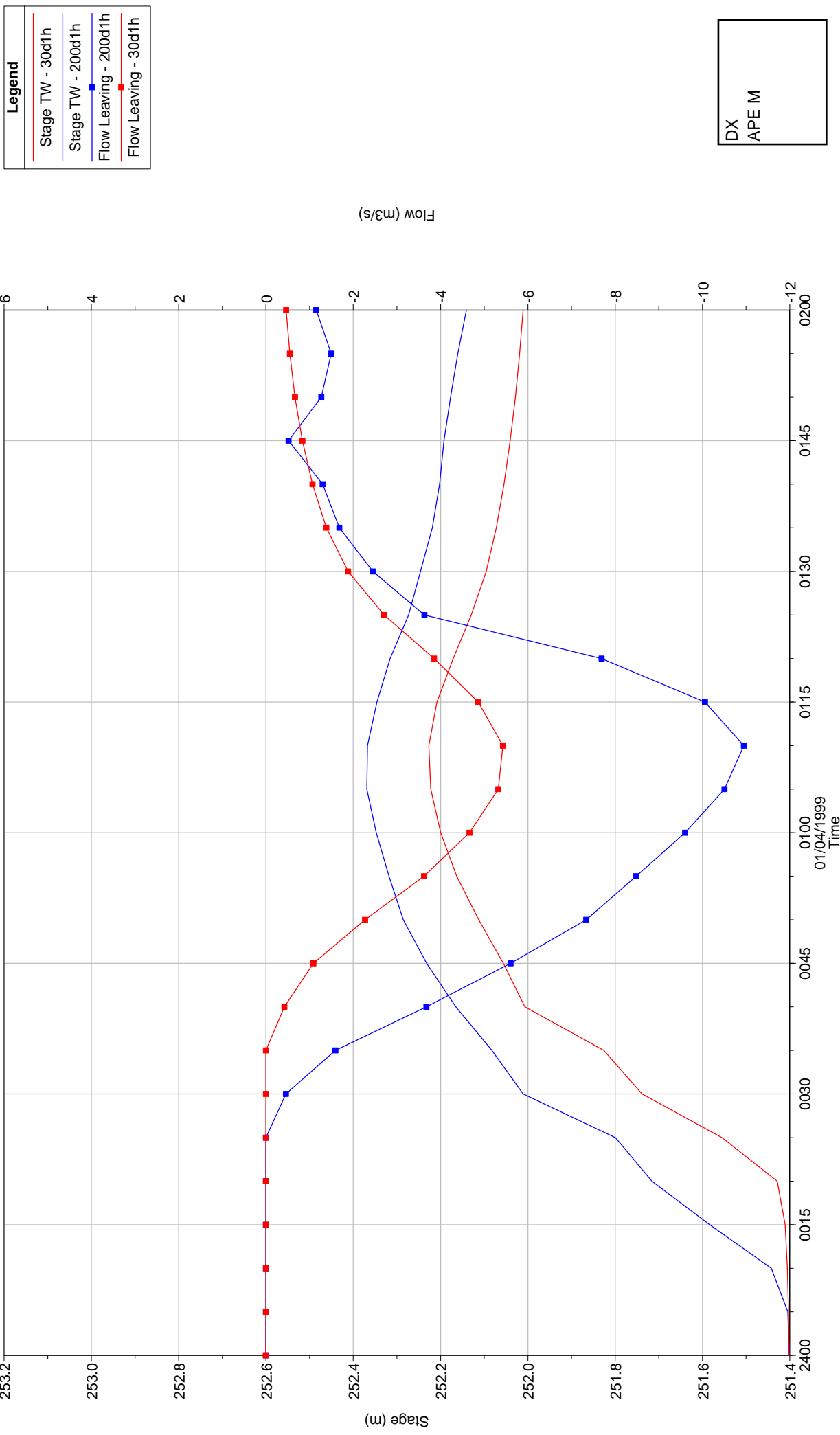
River: BMC Reach: tratto 1 RS: 15.5



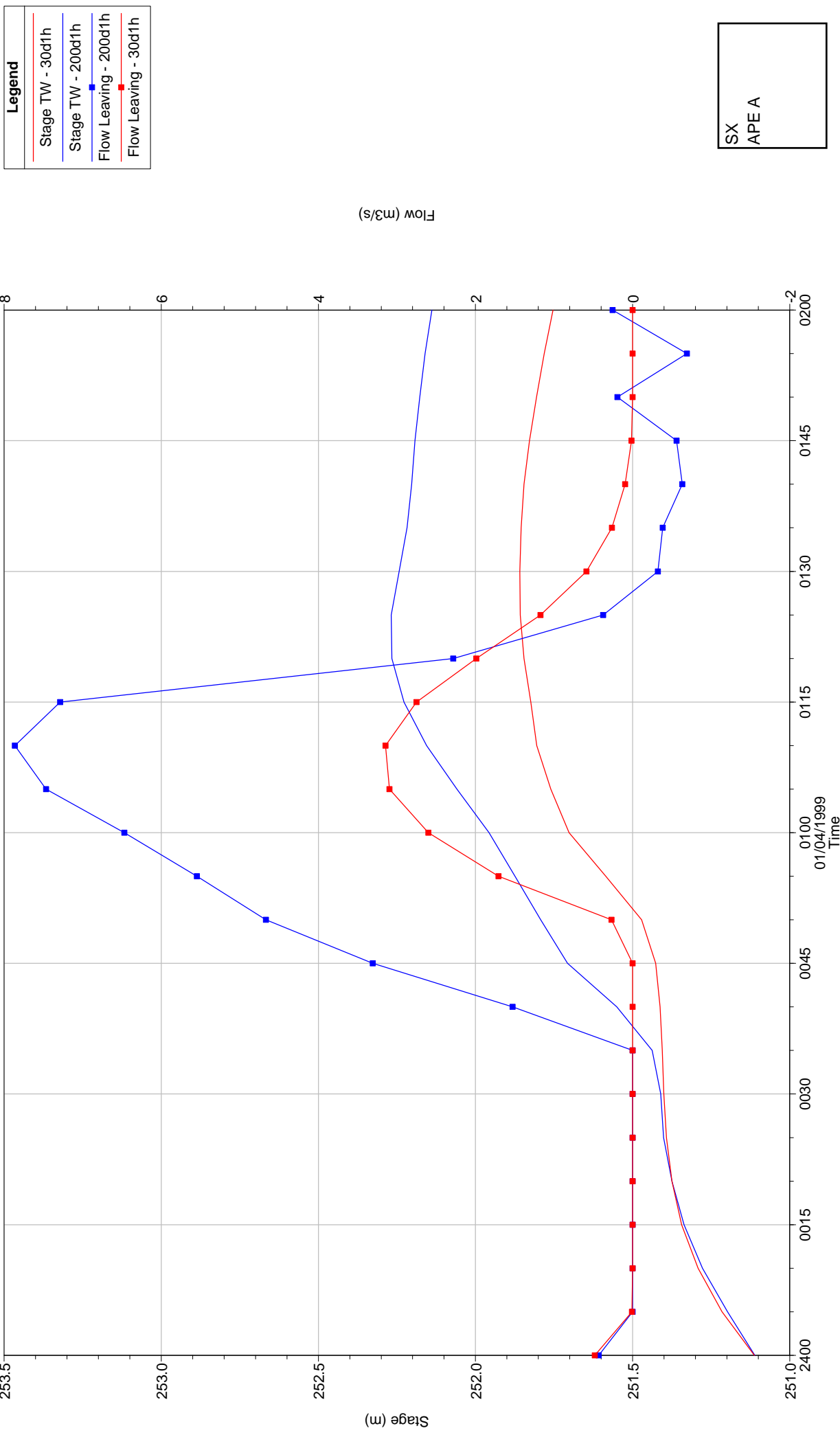
River: BMC Reach: tratto 1 RS: 14.99



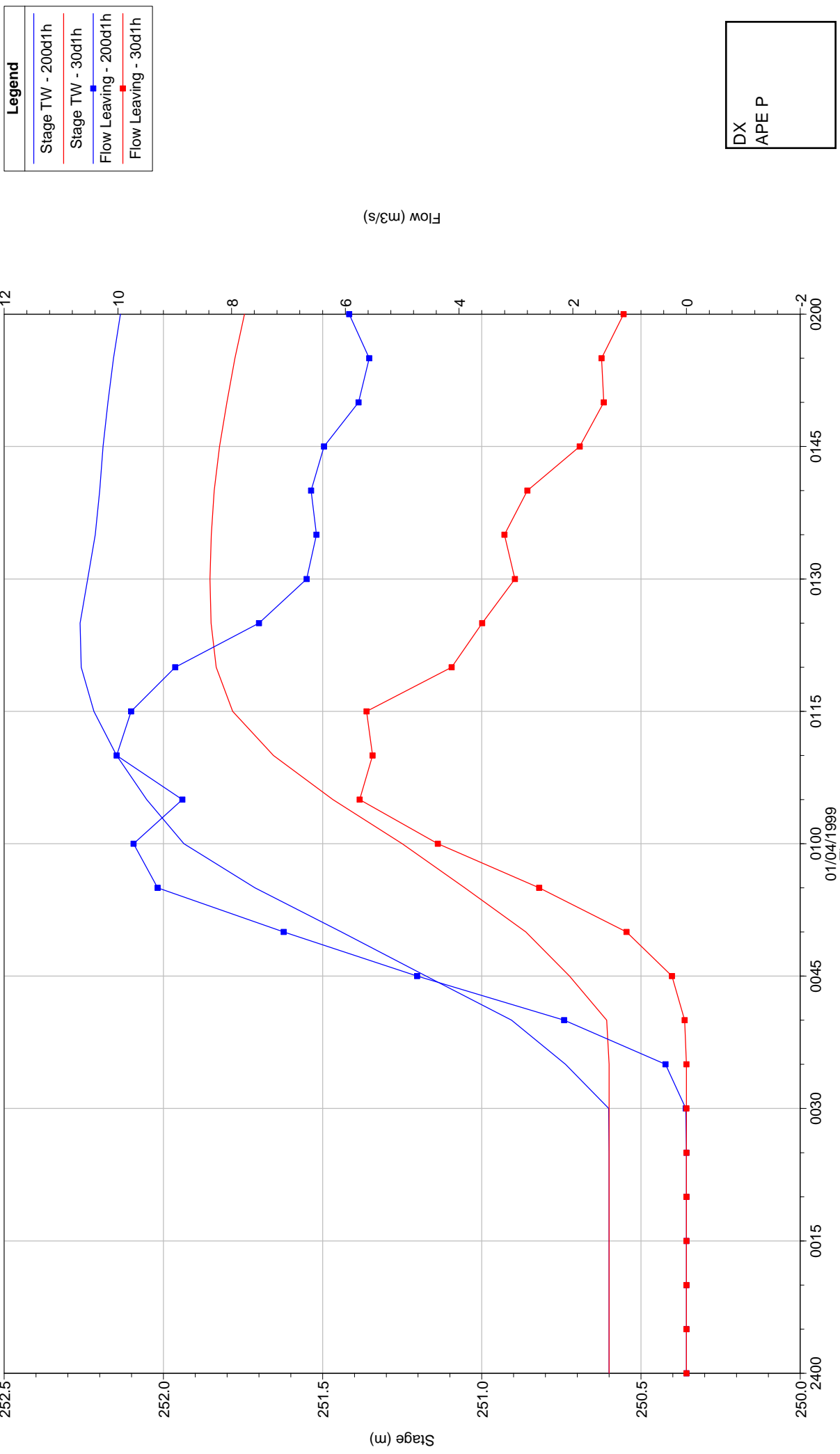
River: BMC Reach: tratto 2 RS: 13.79



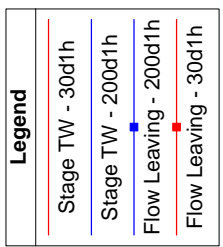
River: BMC Reach: tratto 2 RS: 13.78



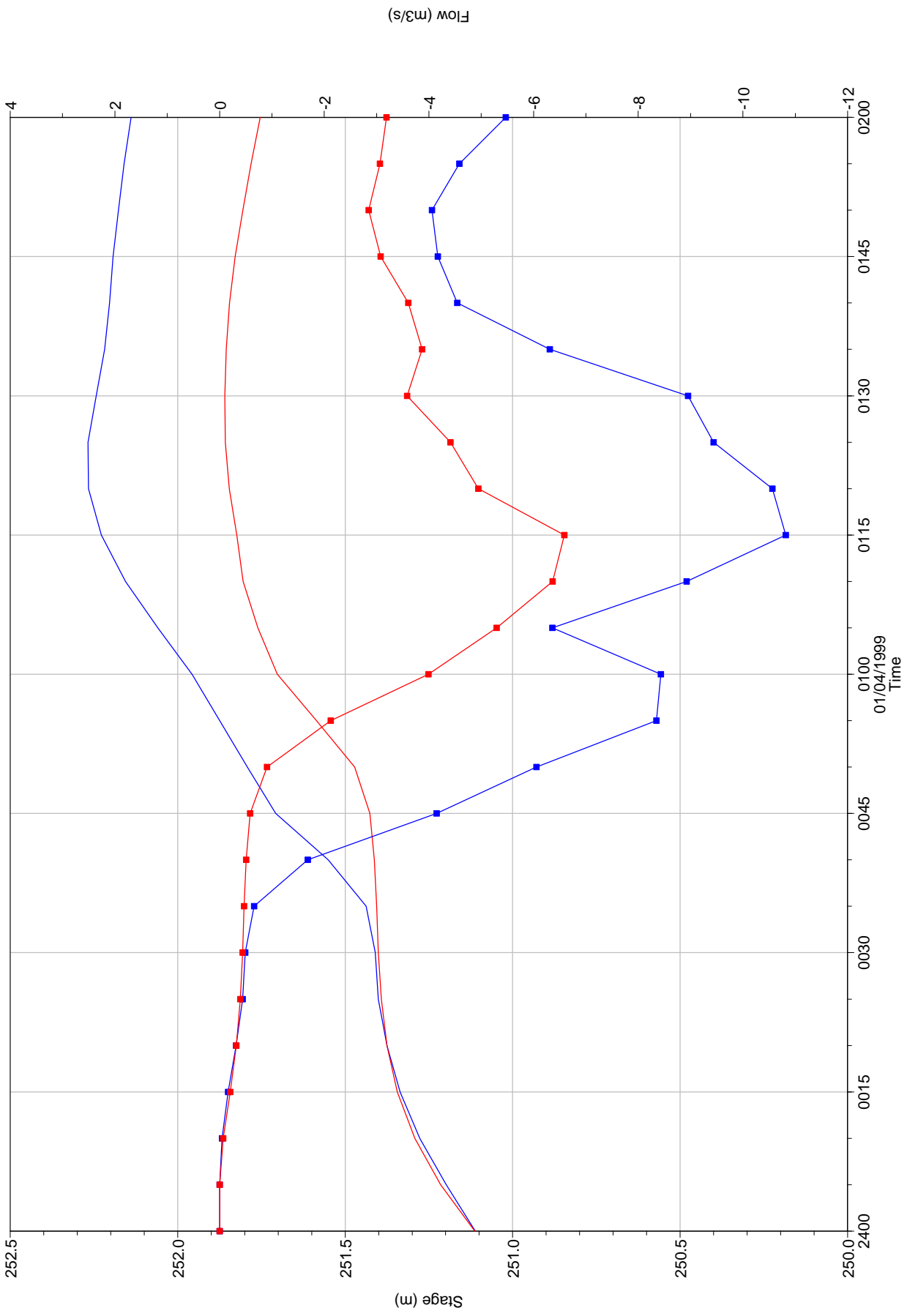
River: BMC Reach: tratto 3 RS: 12.79



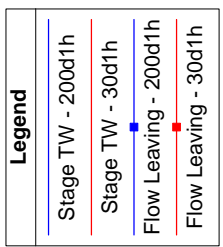
River: BMC Reach: tratto 3 RS: 12.78



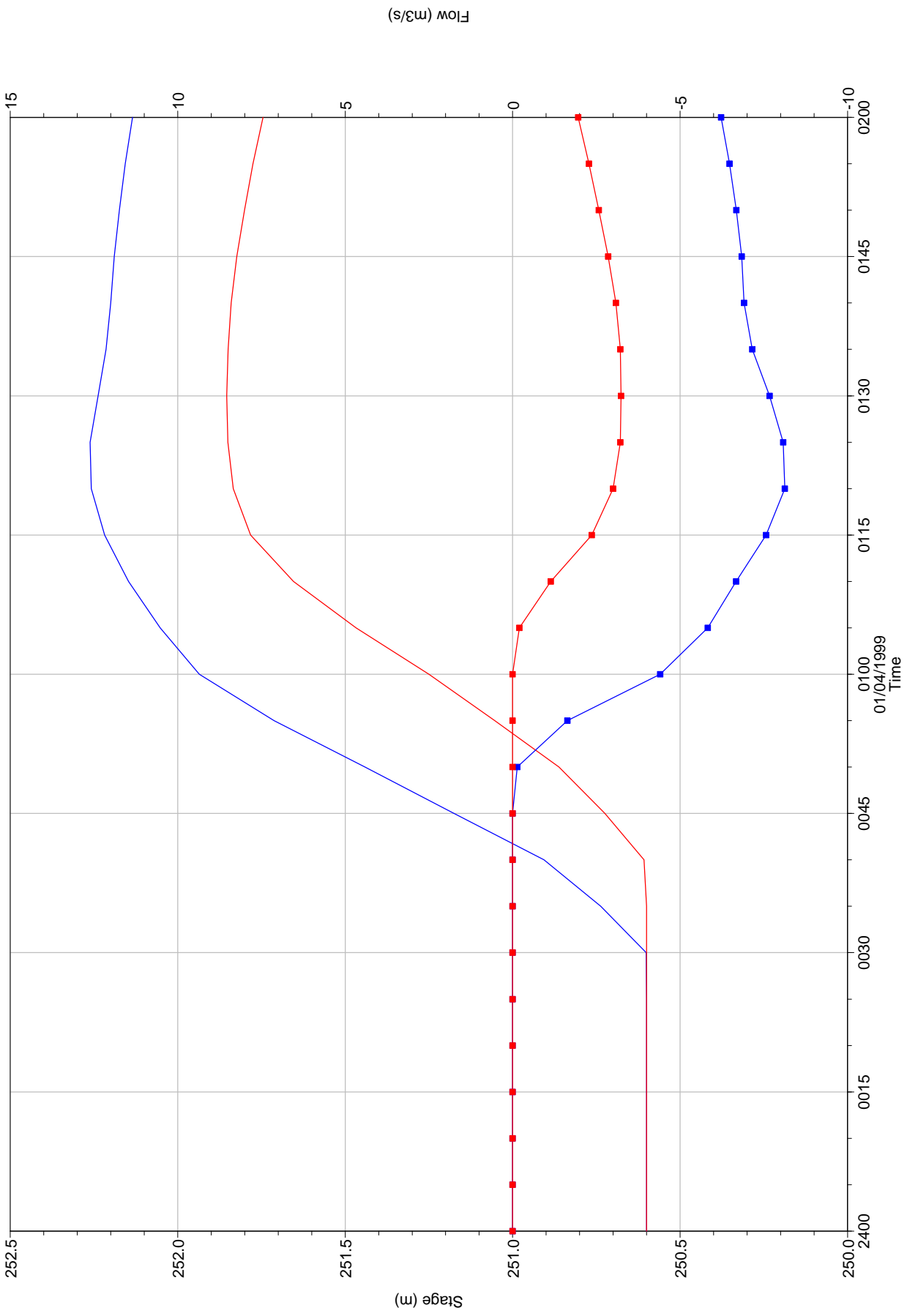
SX
APE A



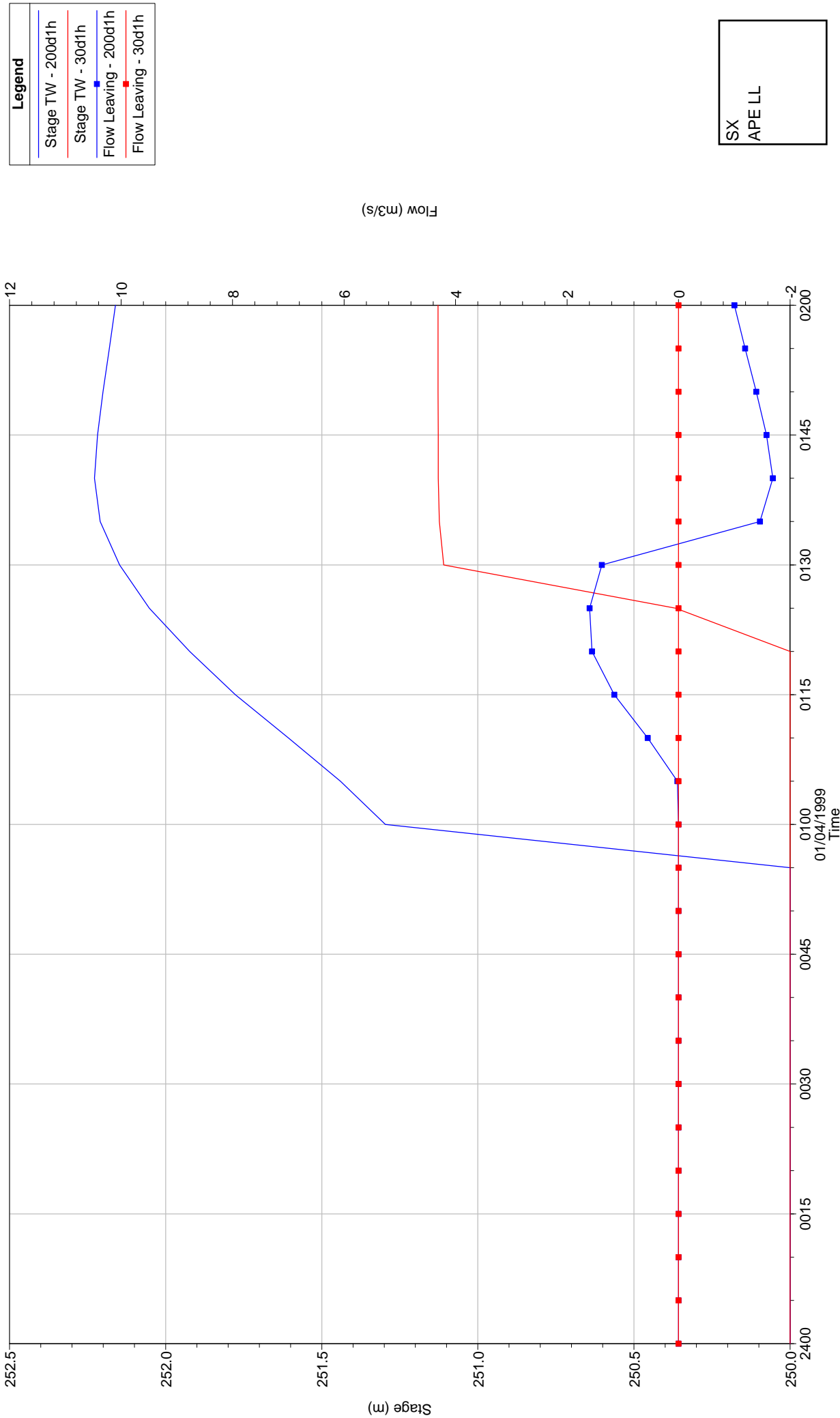
River: BMC Reach: tratto 4 RS: 9.89



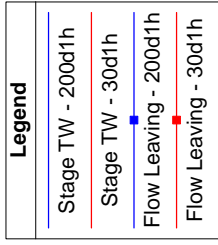
DX
APE P



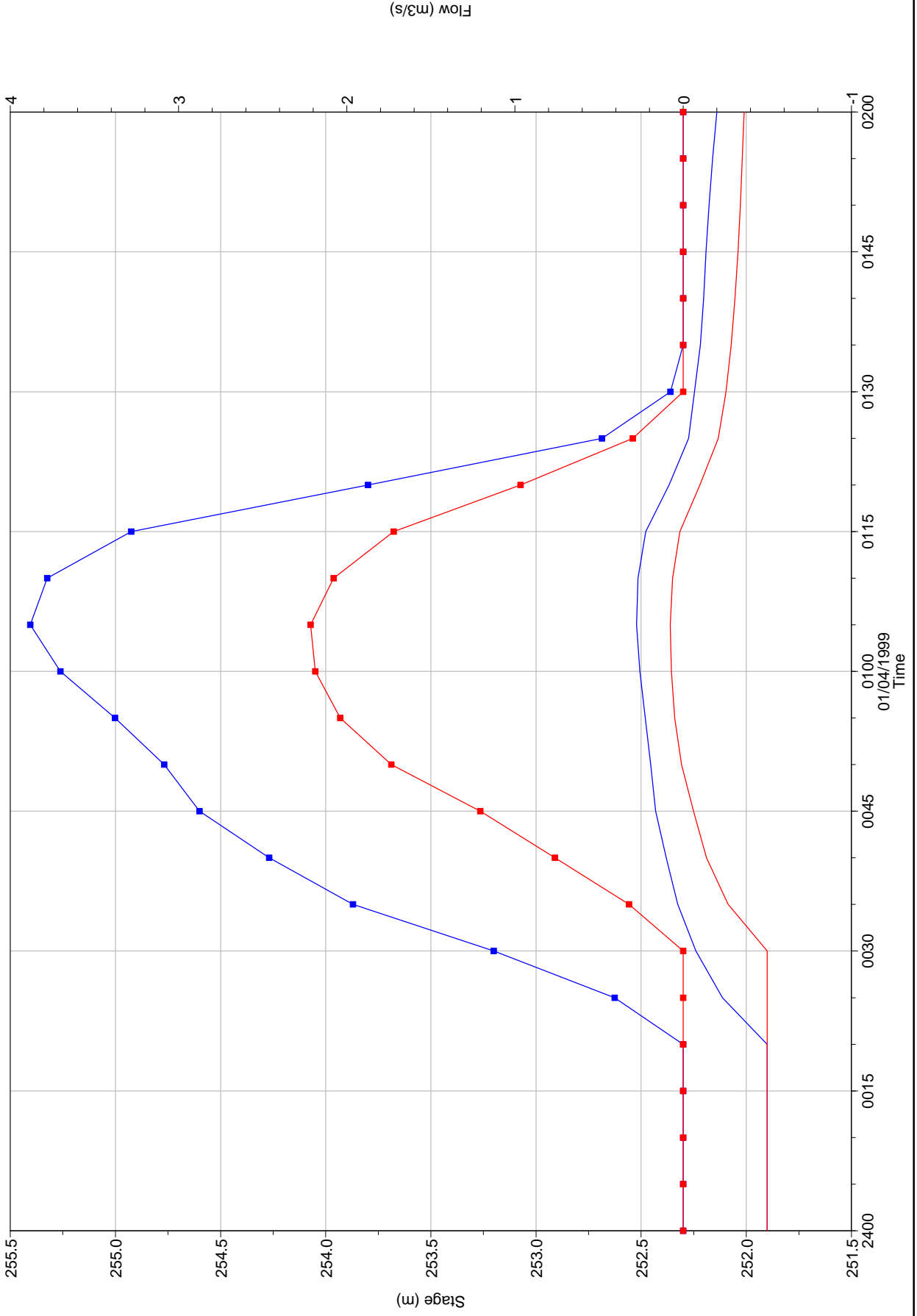
River: BMC Reach: tratto 4 RS: 9.88



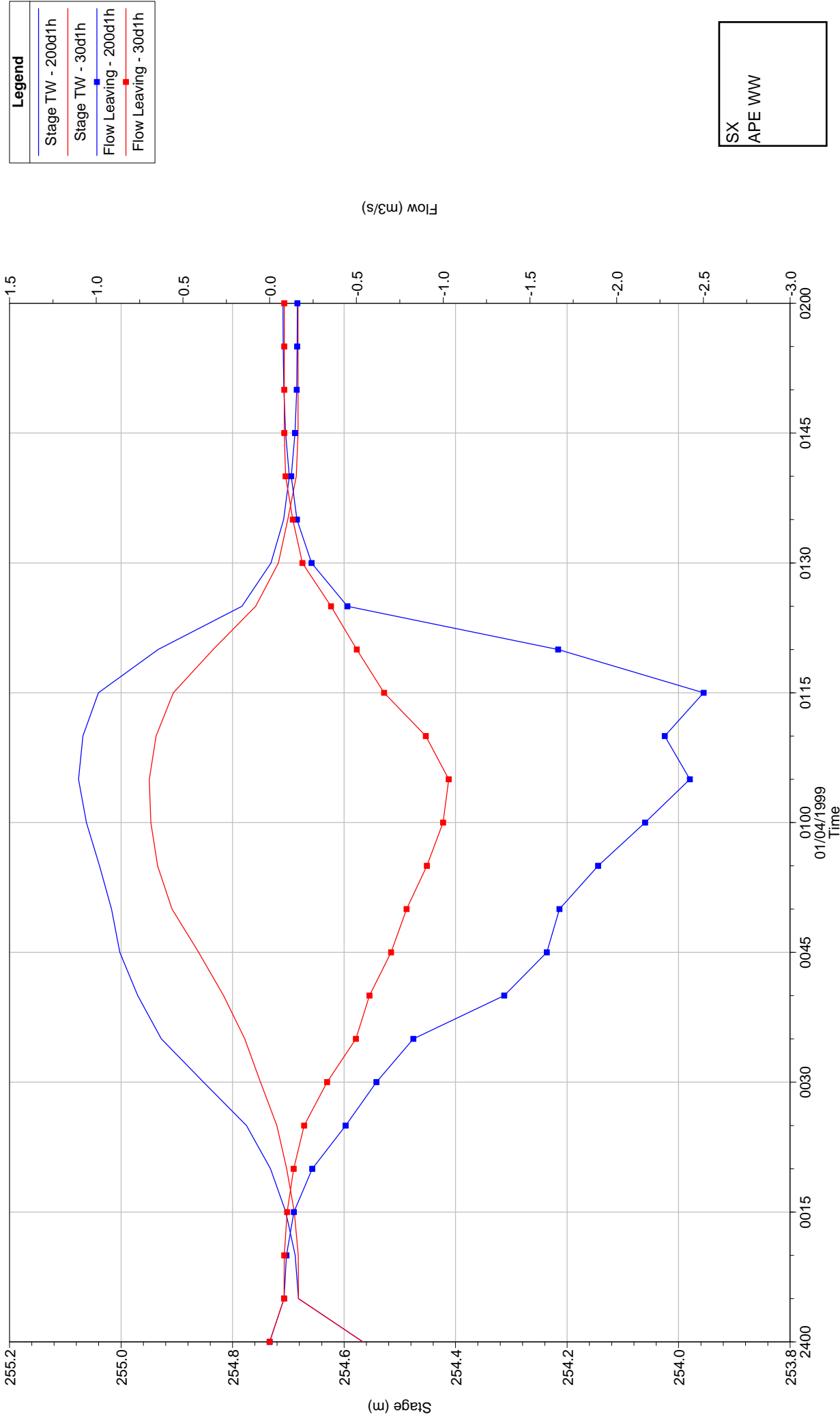
River: Af1_BMC Reach: tratto 1 RS: 11.89



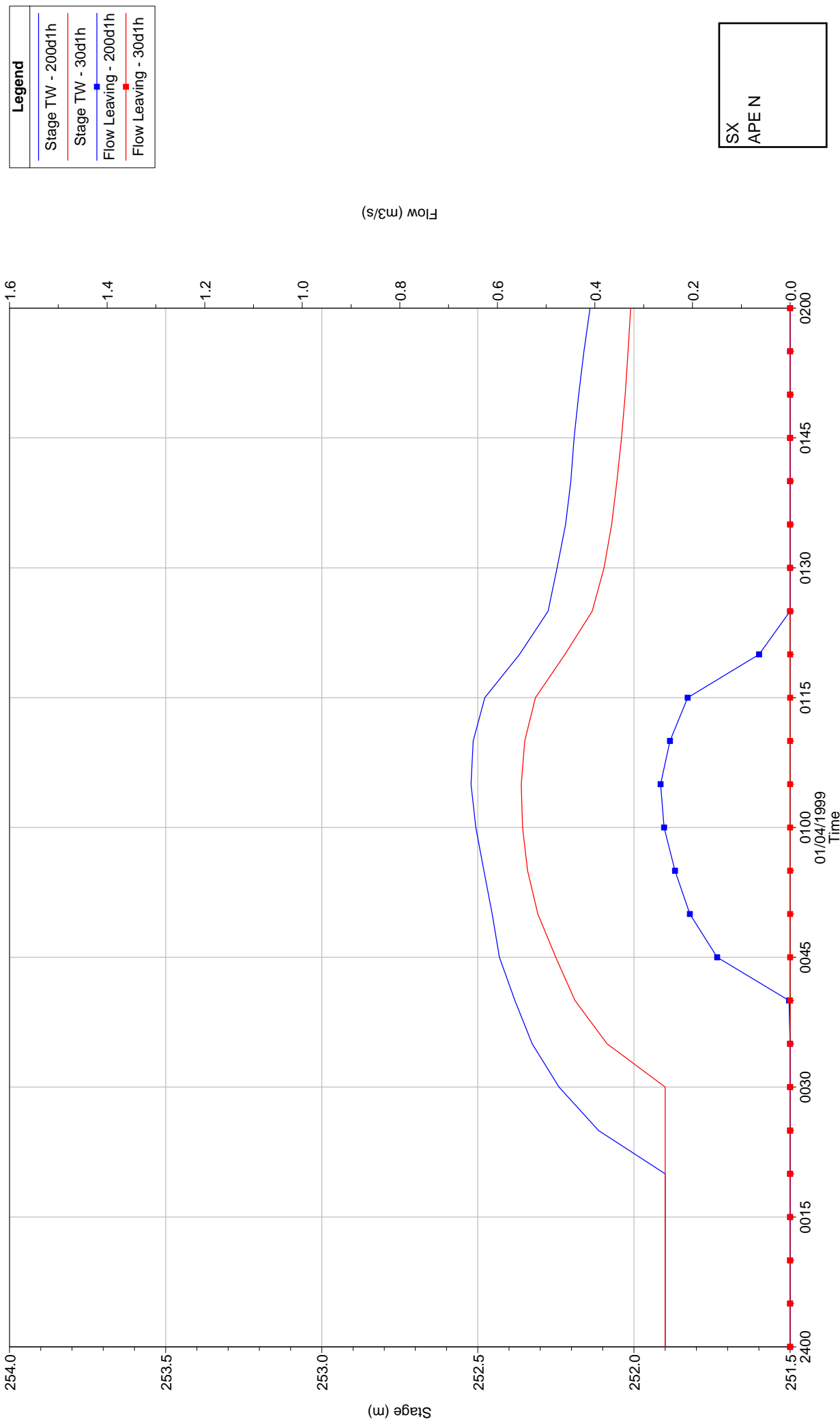
DX
APE N



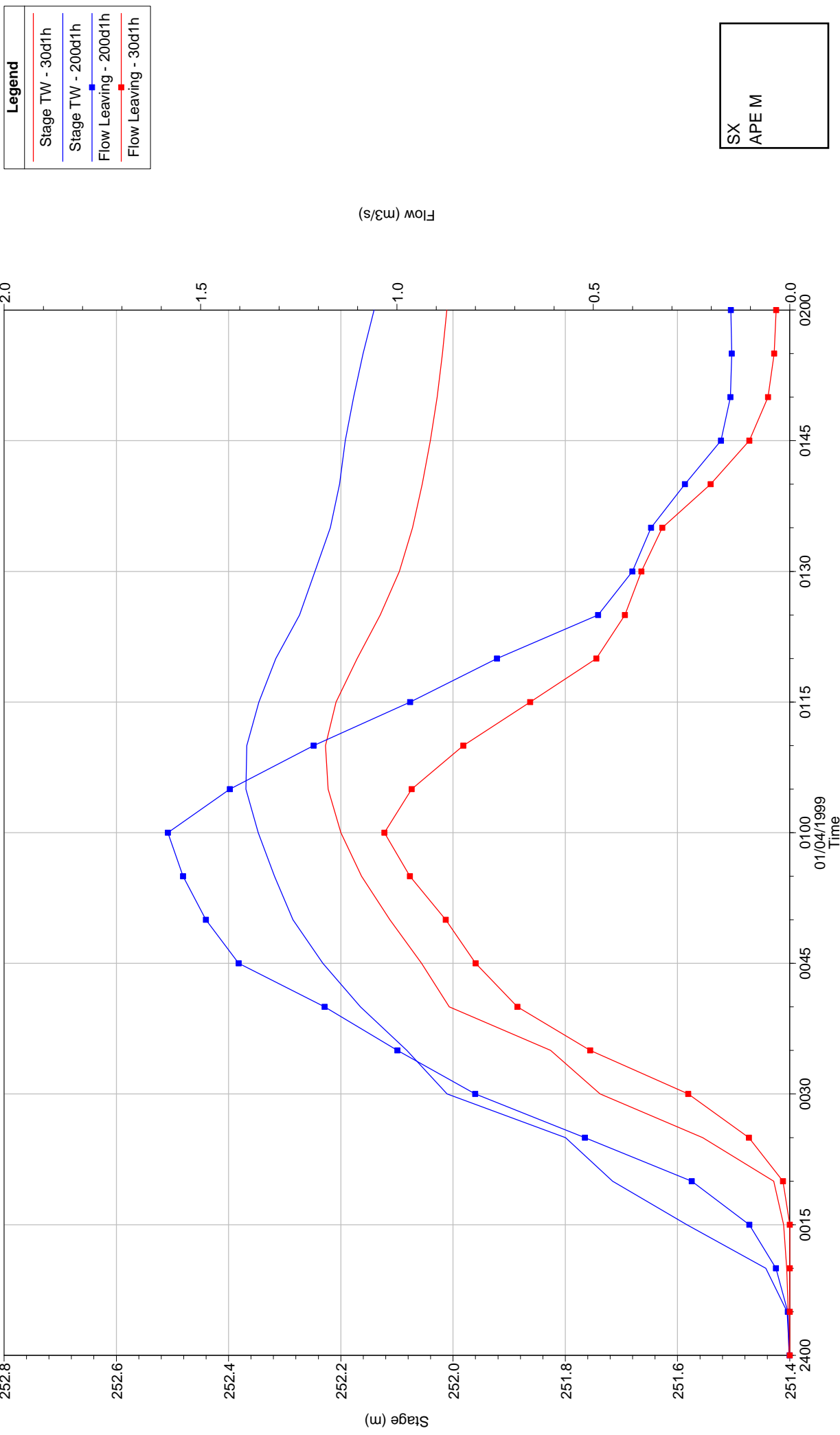
River: Af1_BMC Reach: tratto 1 RS: 11.88



River: Af1_BMC Reach: tratto 1 RS: 8.88



River: Af1_BMC Reach: tratto 1 RS: 4.88

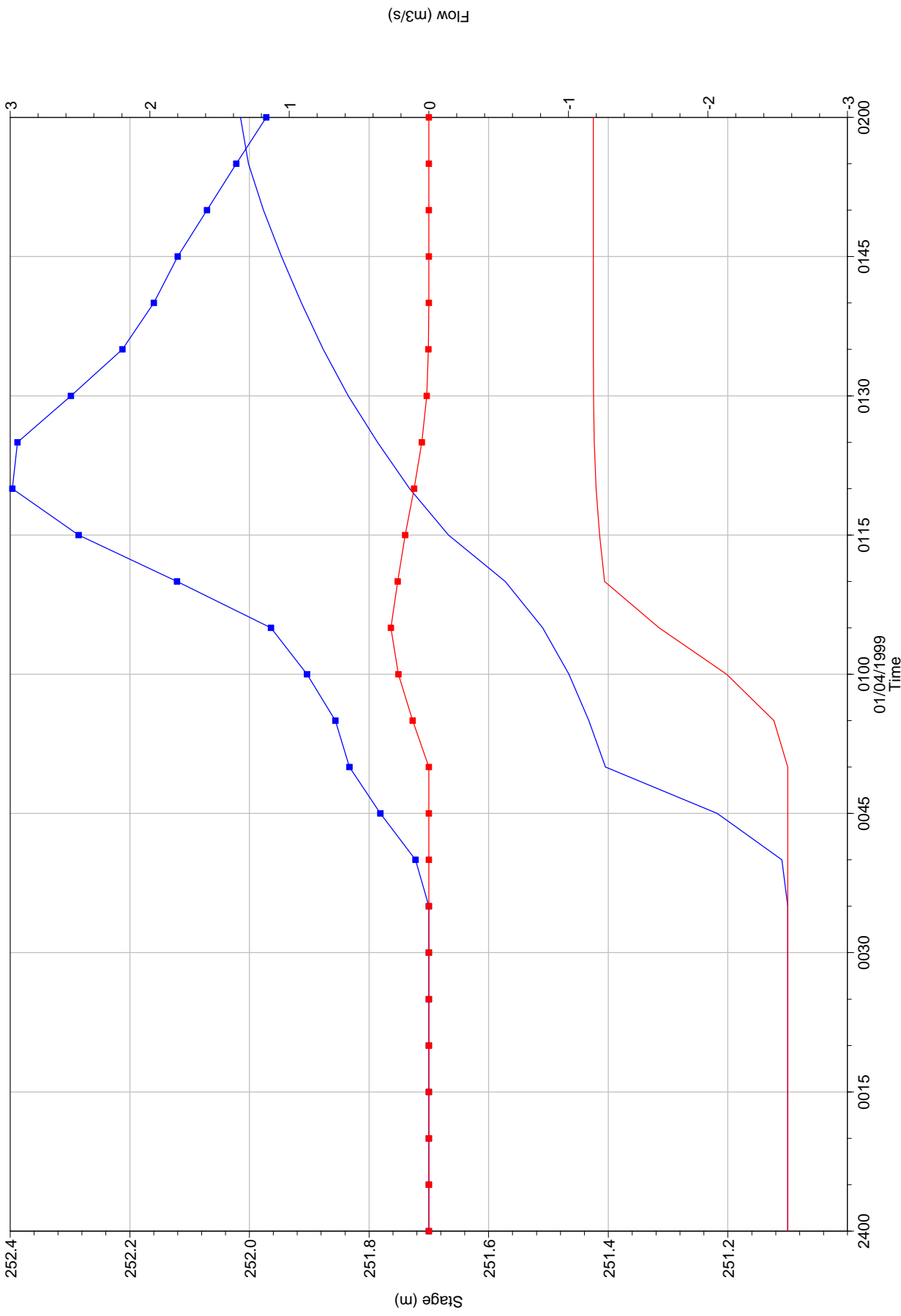


River: Af1_BMC Reach: tratto 1 RS: 1.89

Legend

- Stage TW - 200d1h
- Stage TW - 30d1h
- Flow Leaving - 200d1h
- Flow Leaving - 30d1h

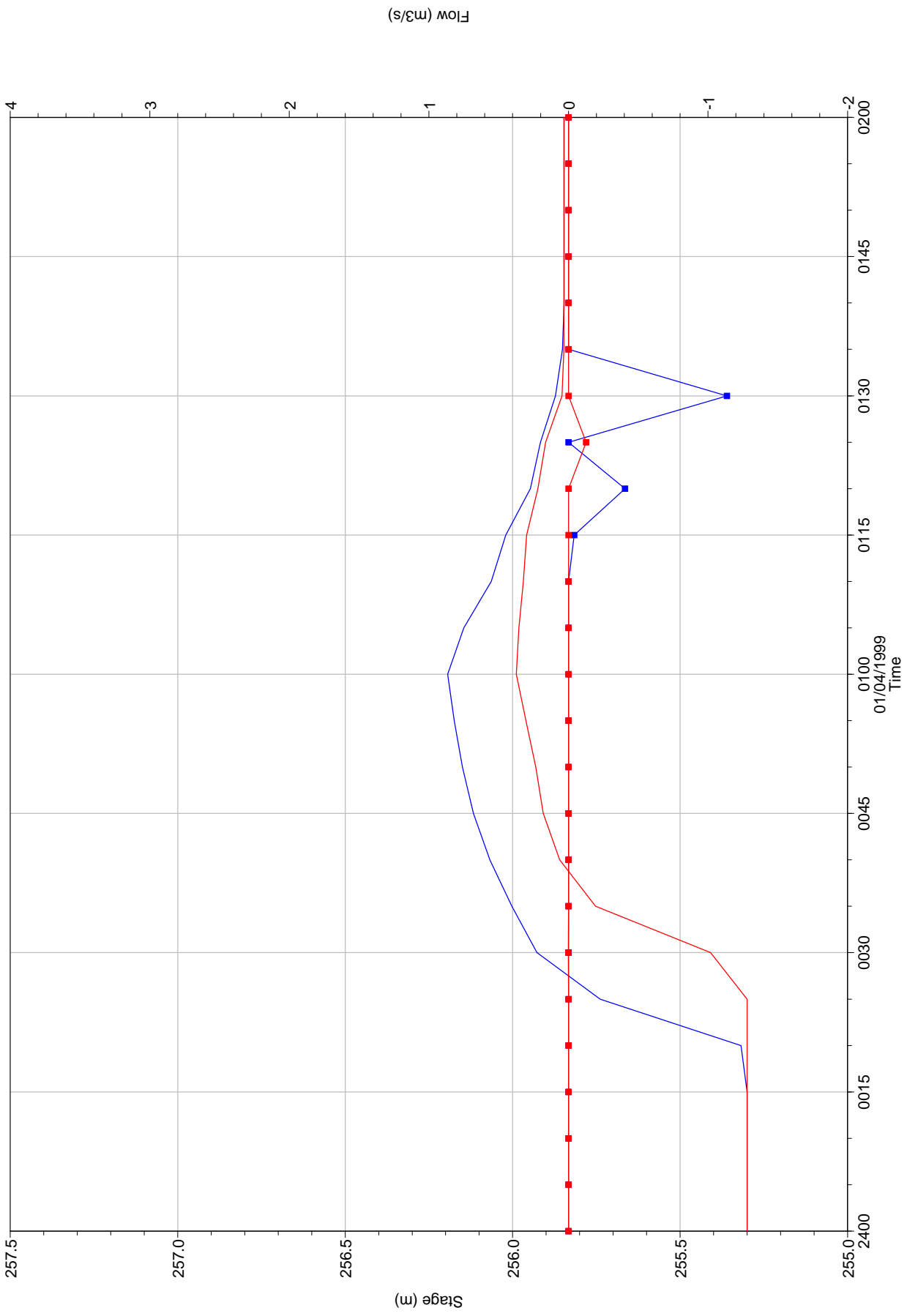
DX
APE O



River: Af1_BMC Reach: campo FV RS: 4.89

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
■	Flow Leaving - 200d1h
■	Flow Leaving - 30d1h

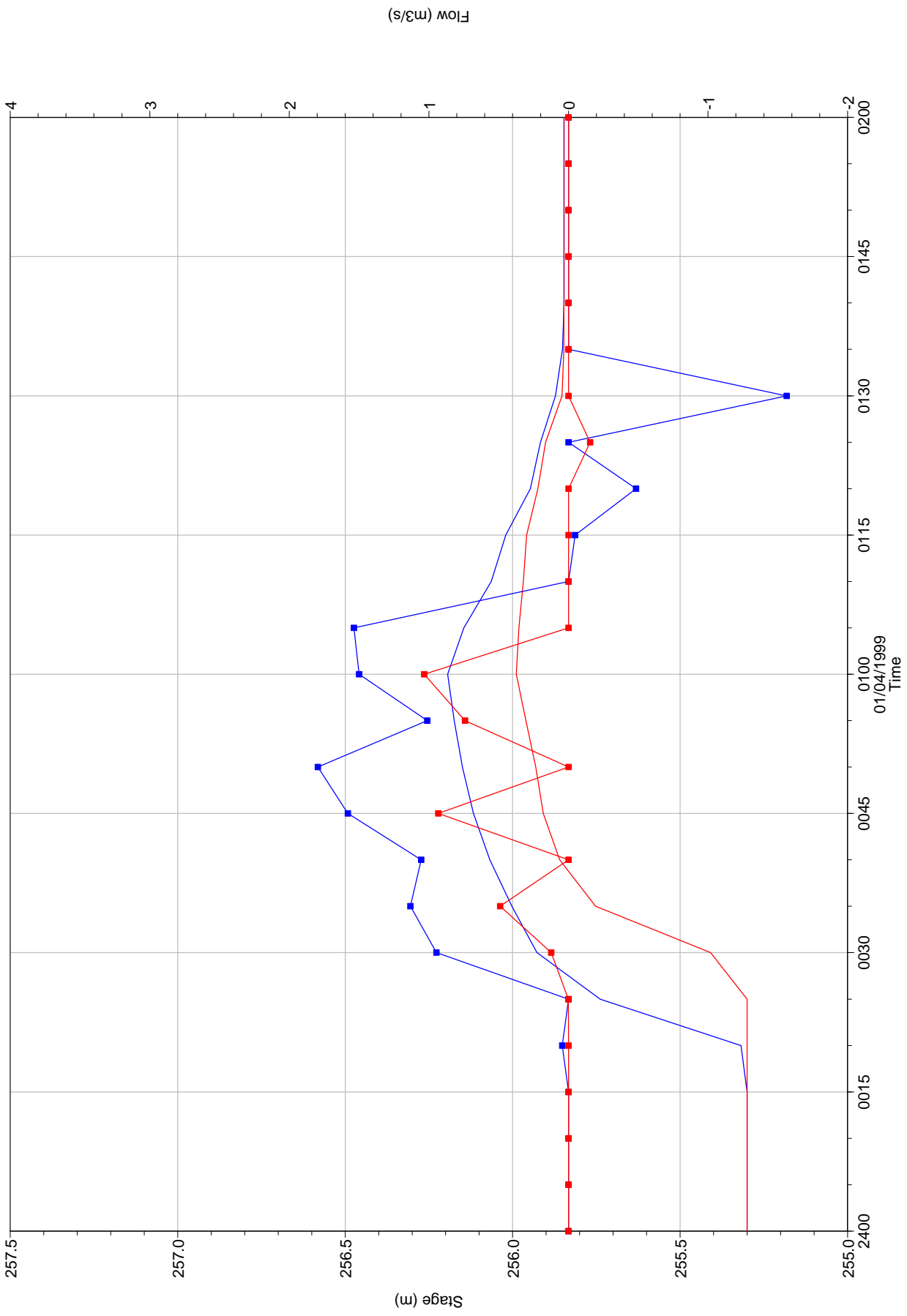
DX
APE XX



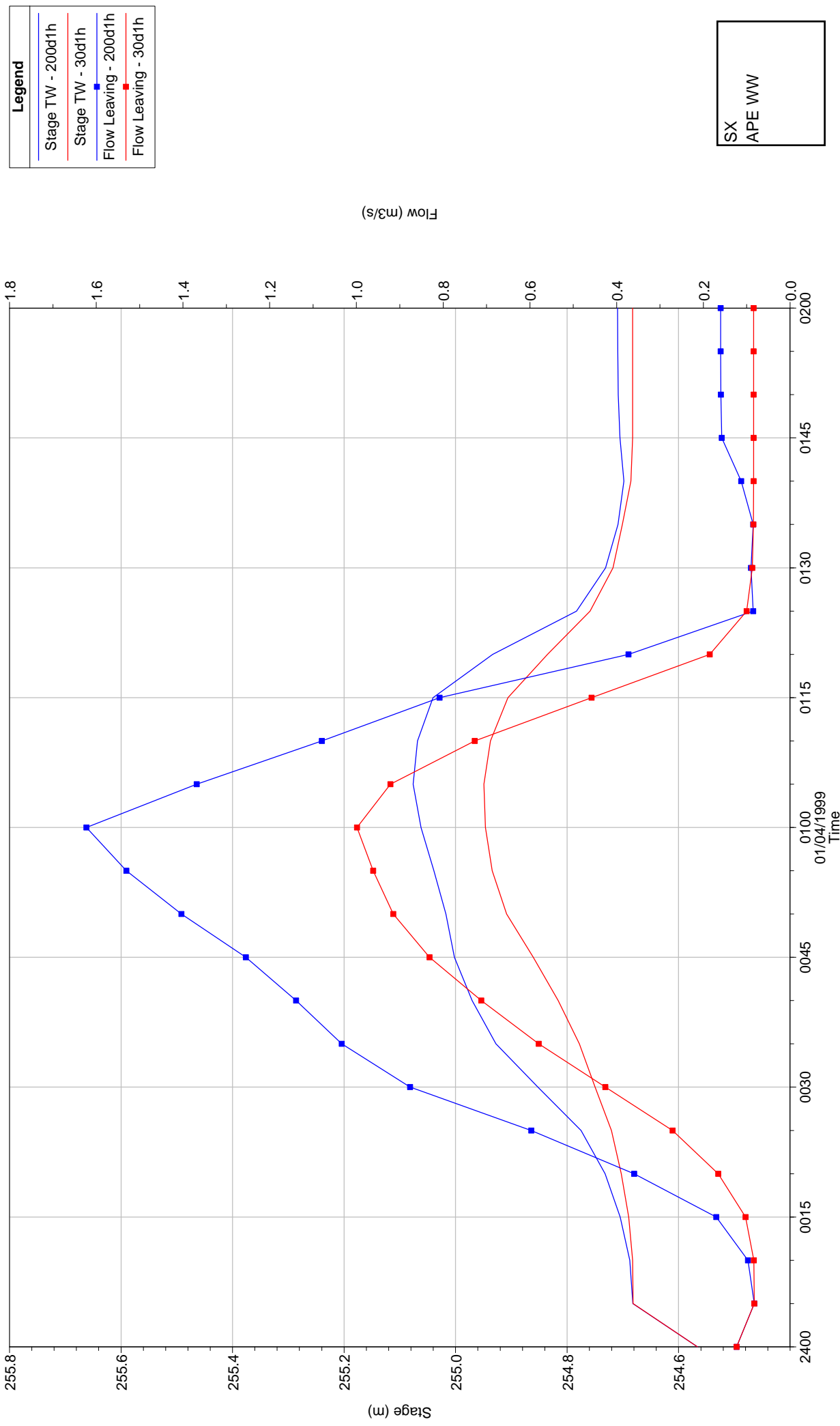
River: Af1_BMC Reach: campo FV RS: 4.88

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
■	Flow Leaving - 200d1h
■	Flow Leaving - 30d1h

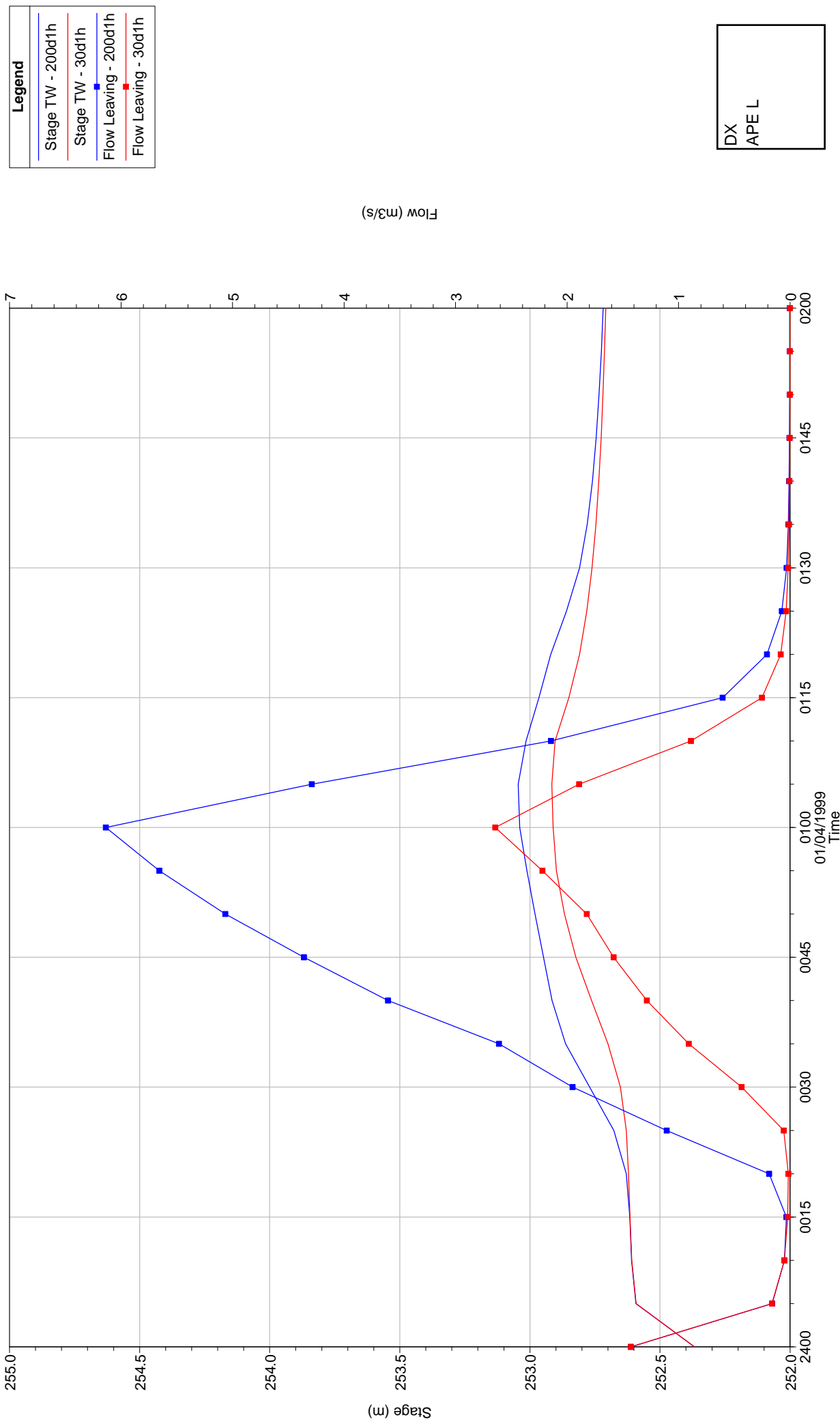
SX
APE XX



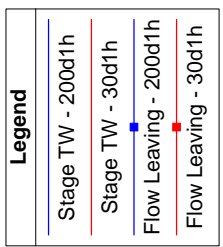
River: Af1_BMC Reach: monte RS: 1.88



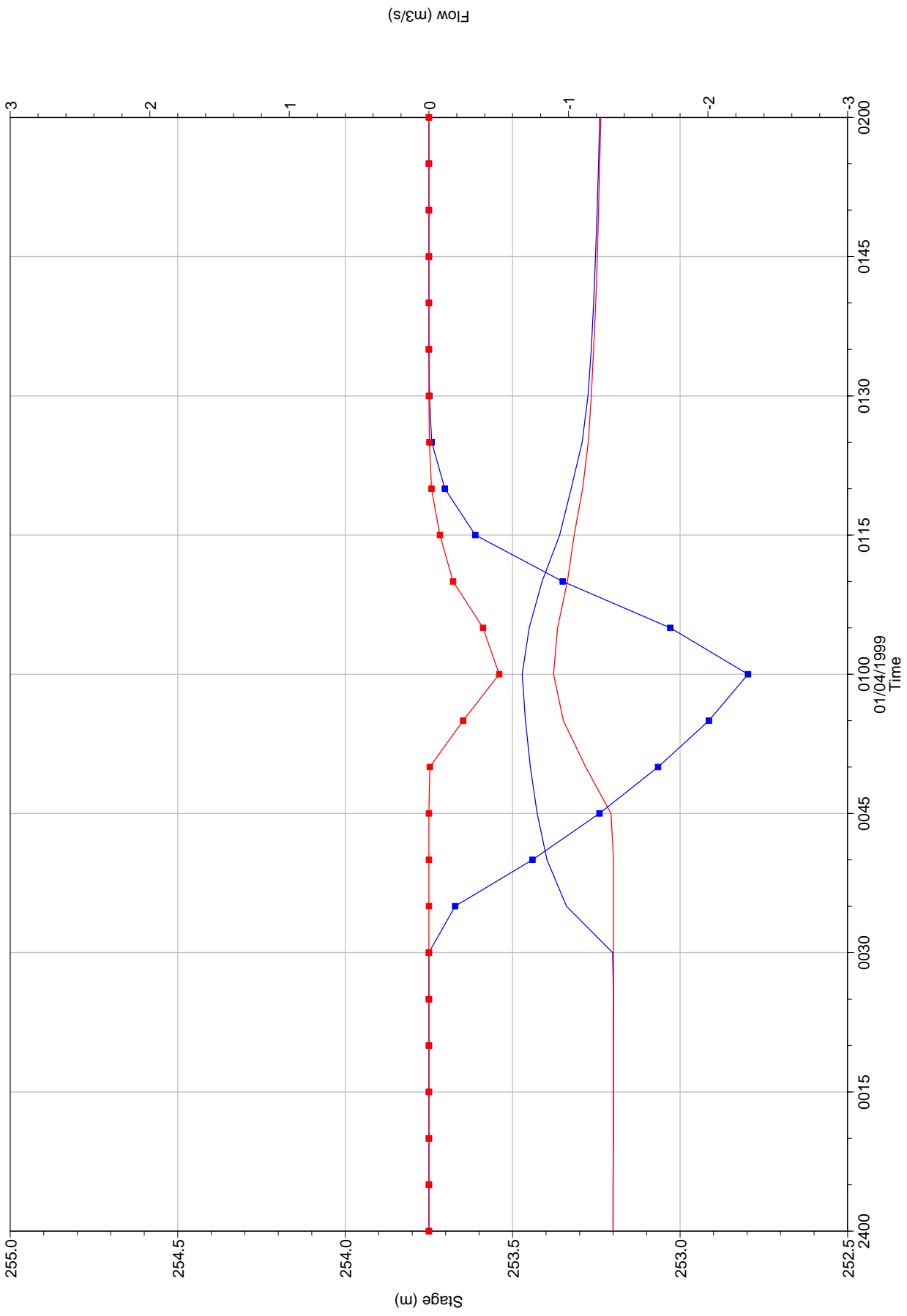
River: Af2_BMC Reach: tratto 1 RS: 5.89



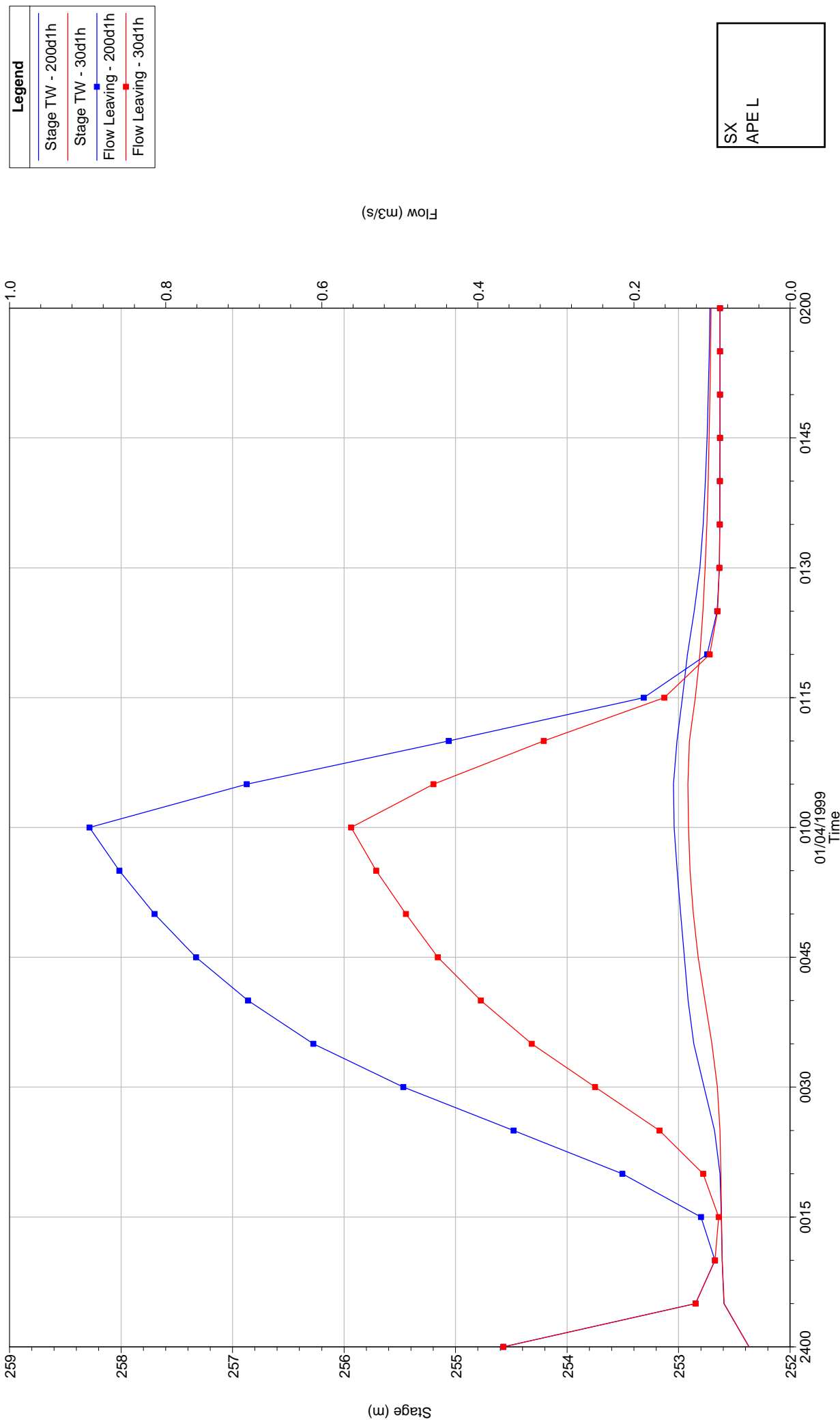
River: Af2_BMC Reach: tratto 1 RS: 5.88



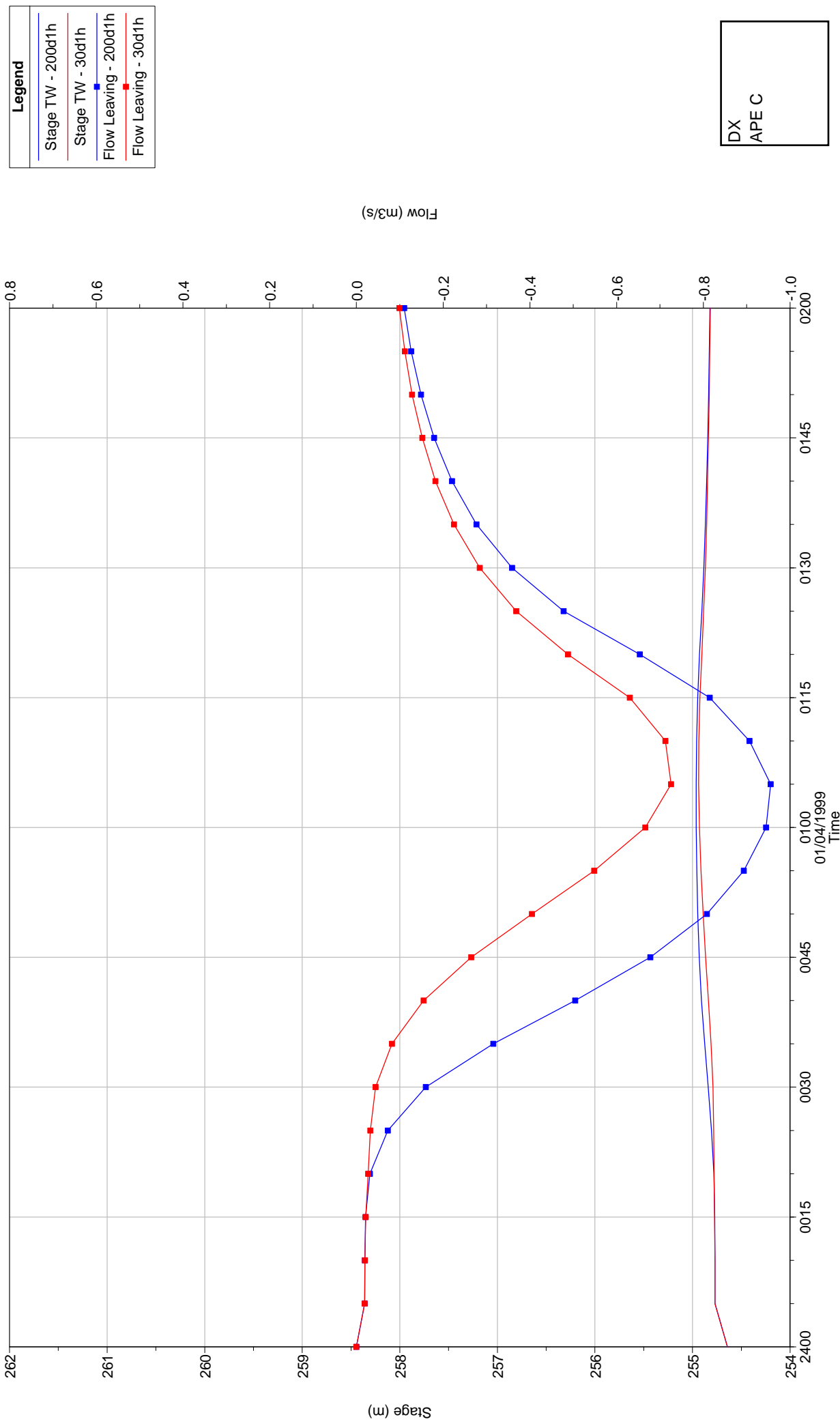
SX
APE I



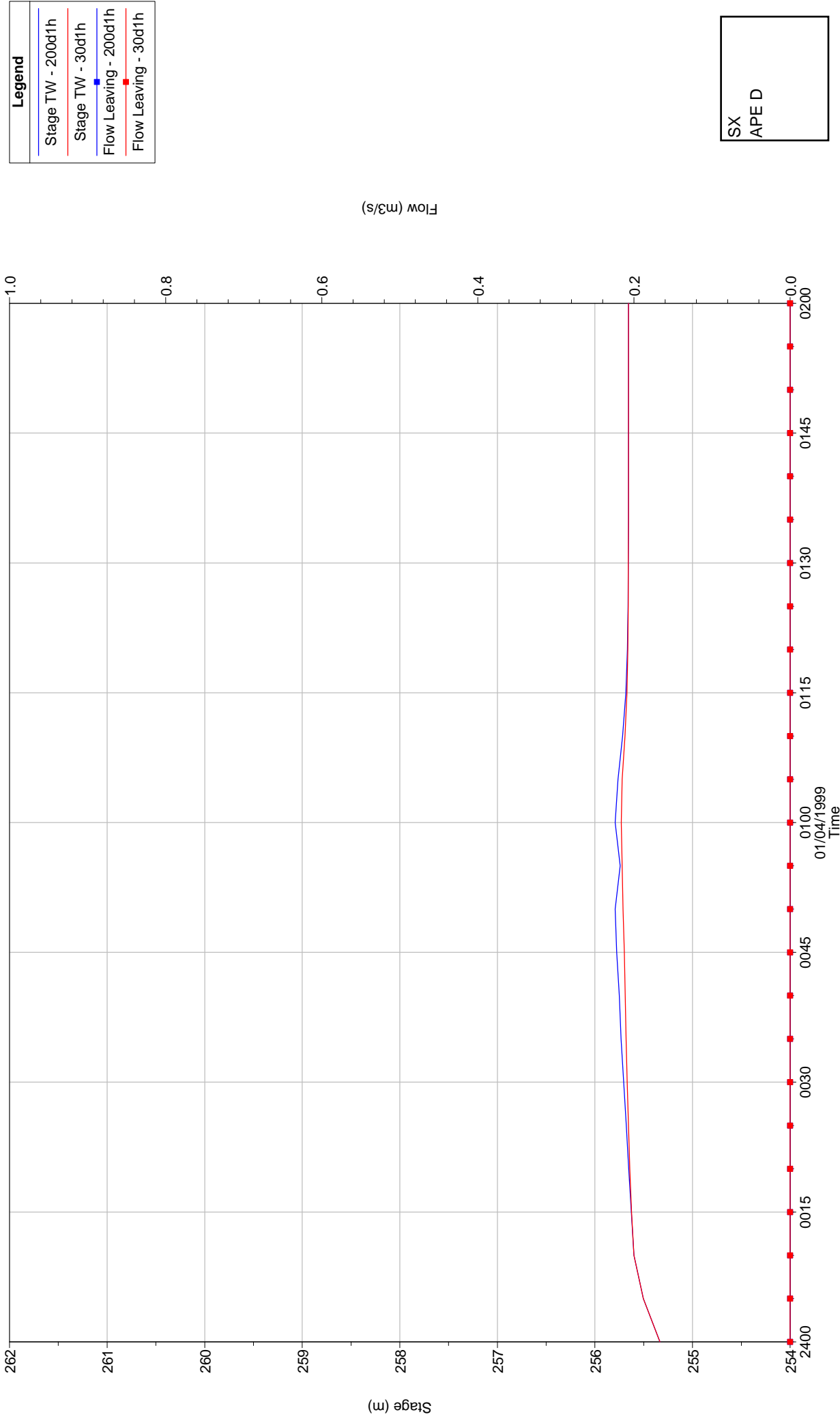
River: Af2_BMC Reach: sotto fabbrica RS: 2.88



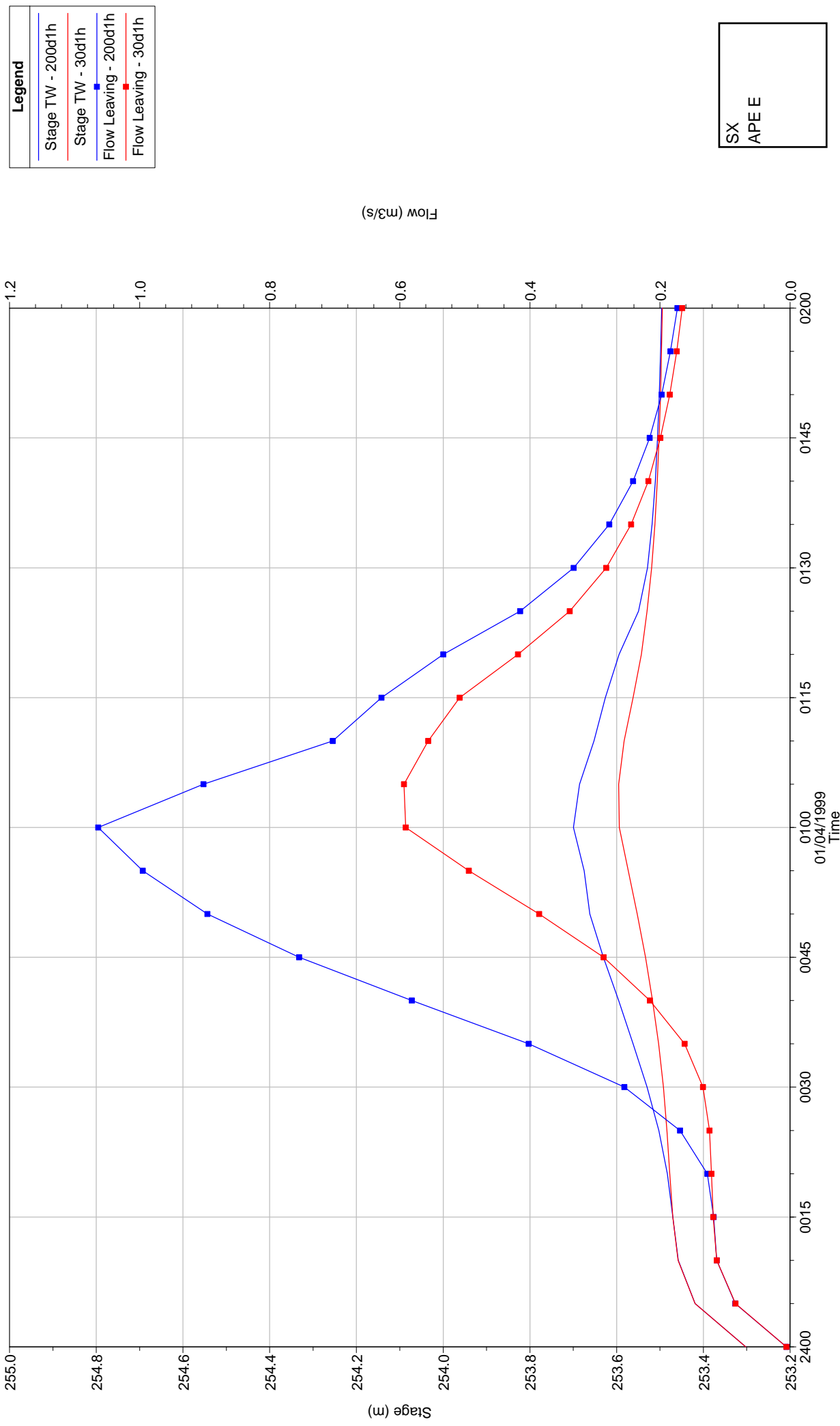
River: Af3_BMC Reach: tratto 1 RS: 14.89



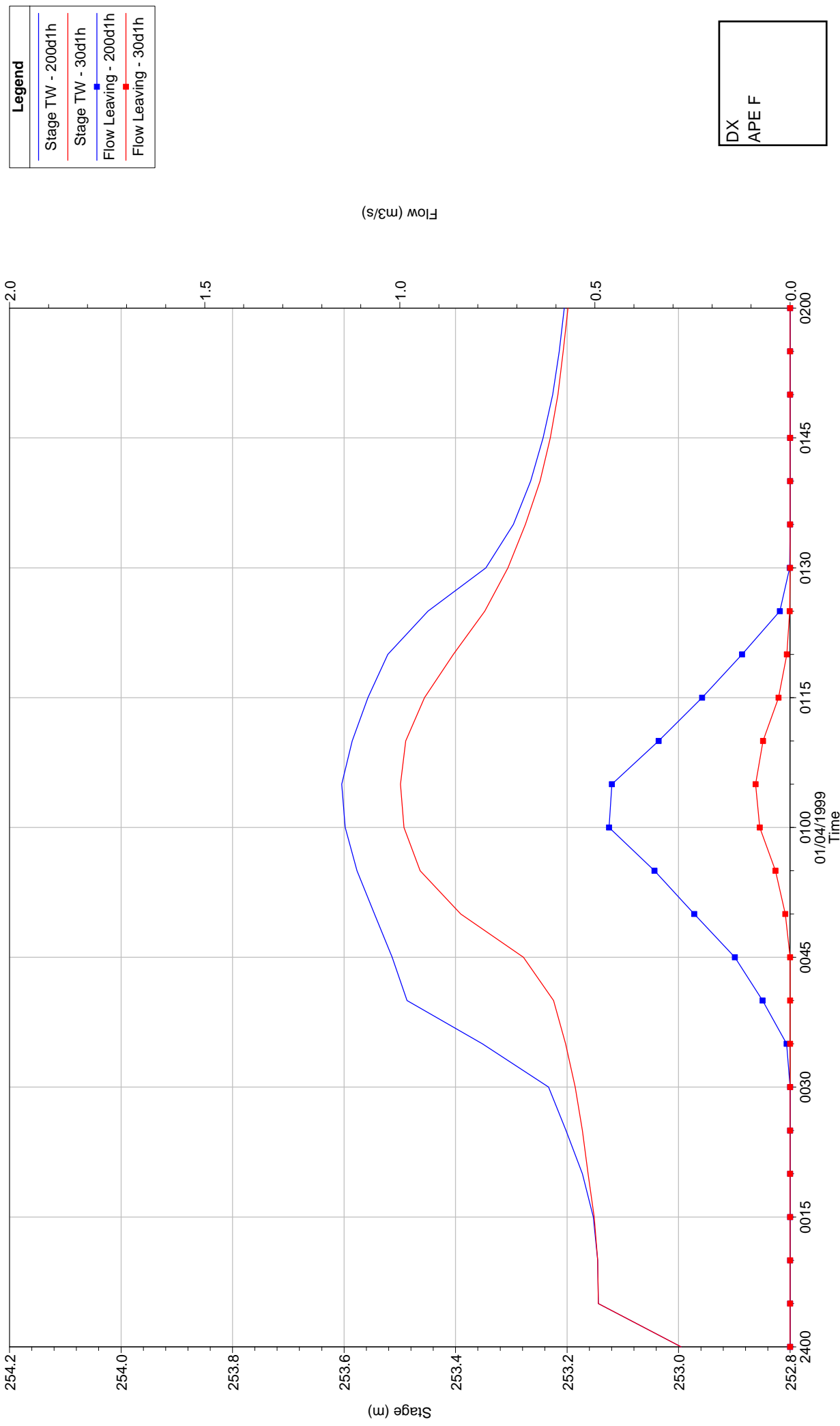
River: Af3_BMC Reach: tratto 1 RS: 14.88



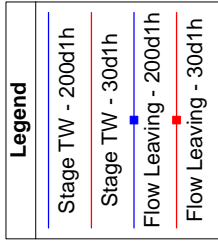
River: Af3_BMC Reach: tratto 1 RS: 13.88



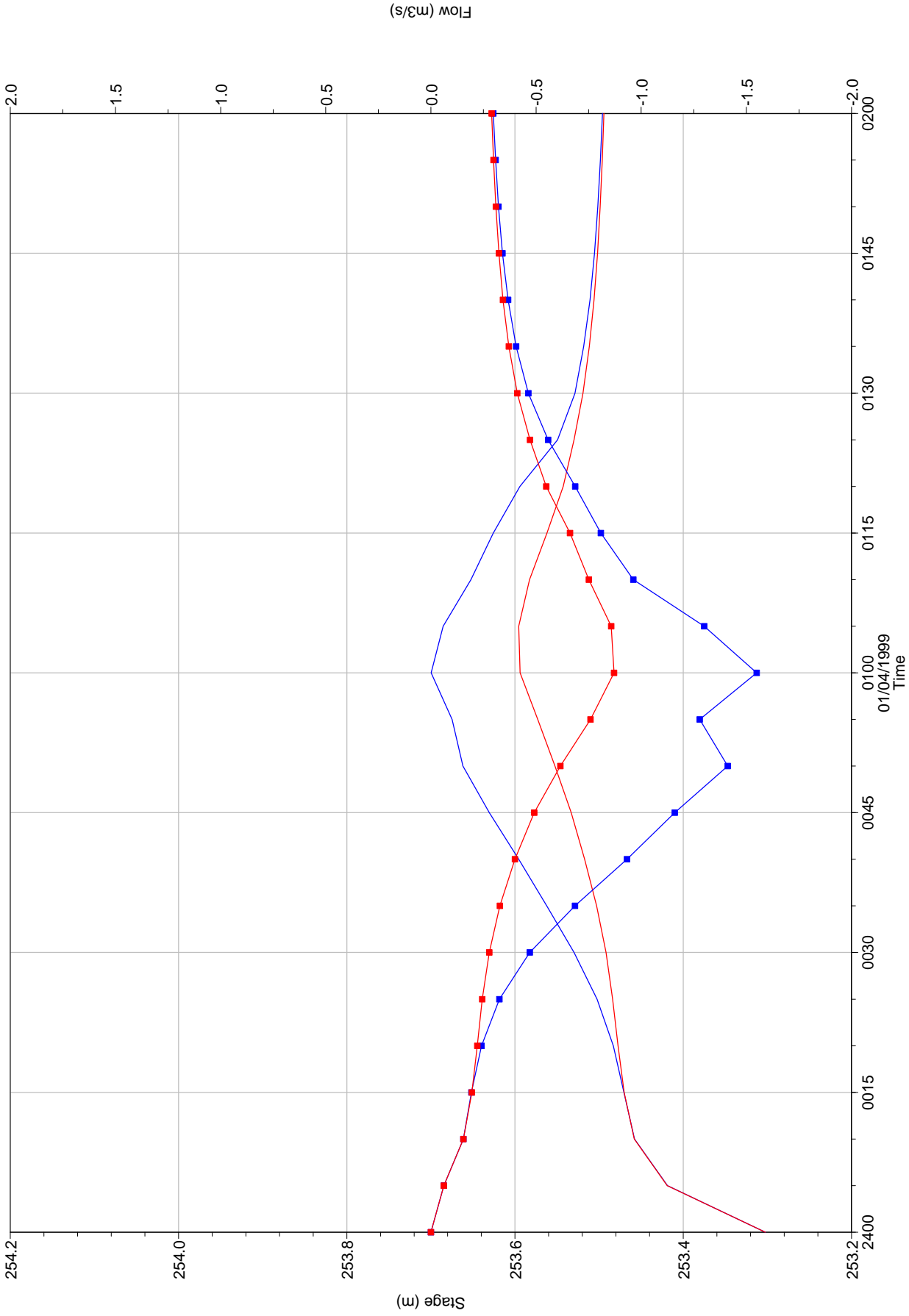
River: Af3_BMC Reach: tratto 1 RS: 11.89



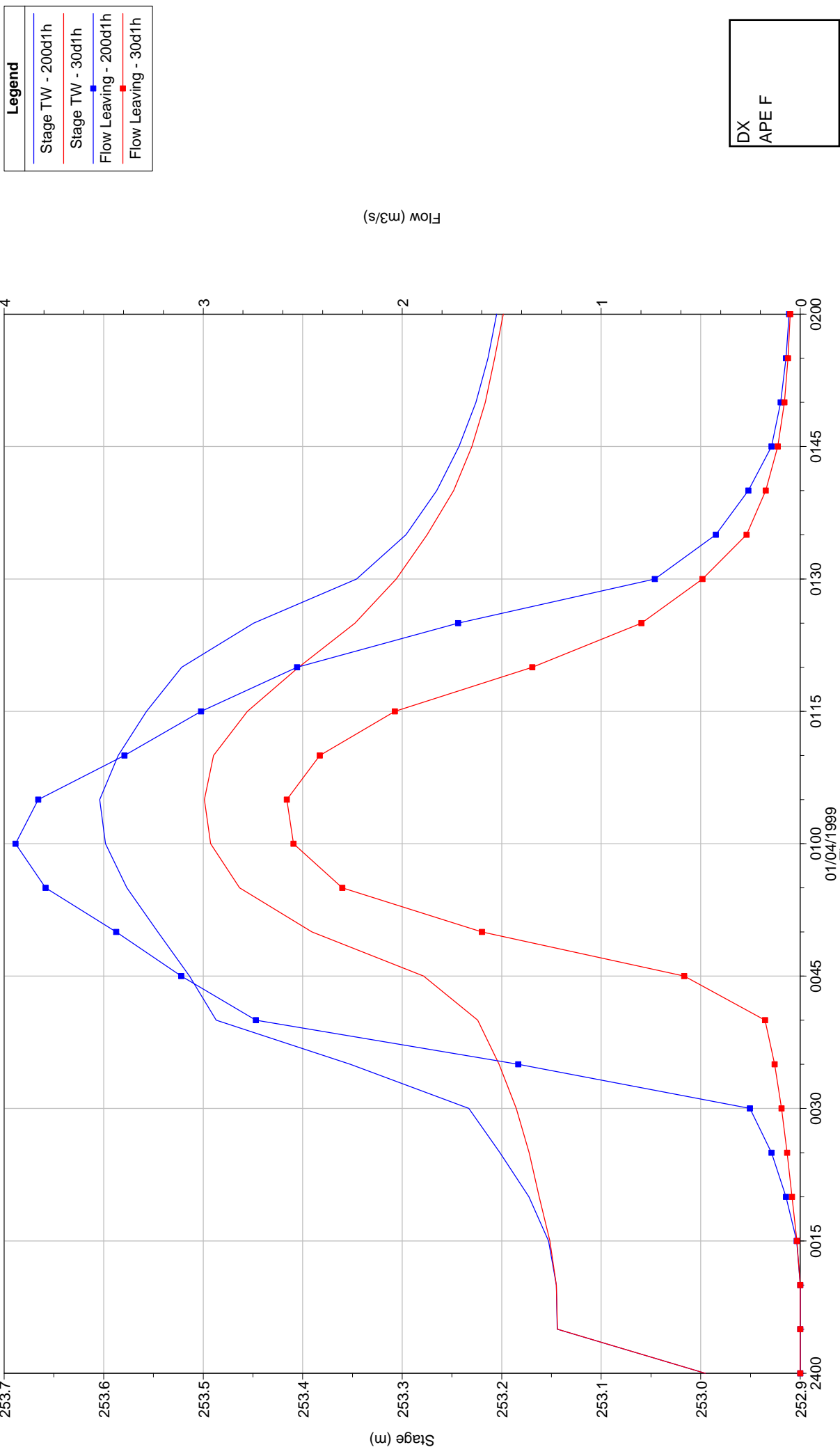
River: Af3_BMC Reach: tratto 1 RS: 11.88



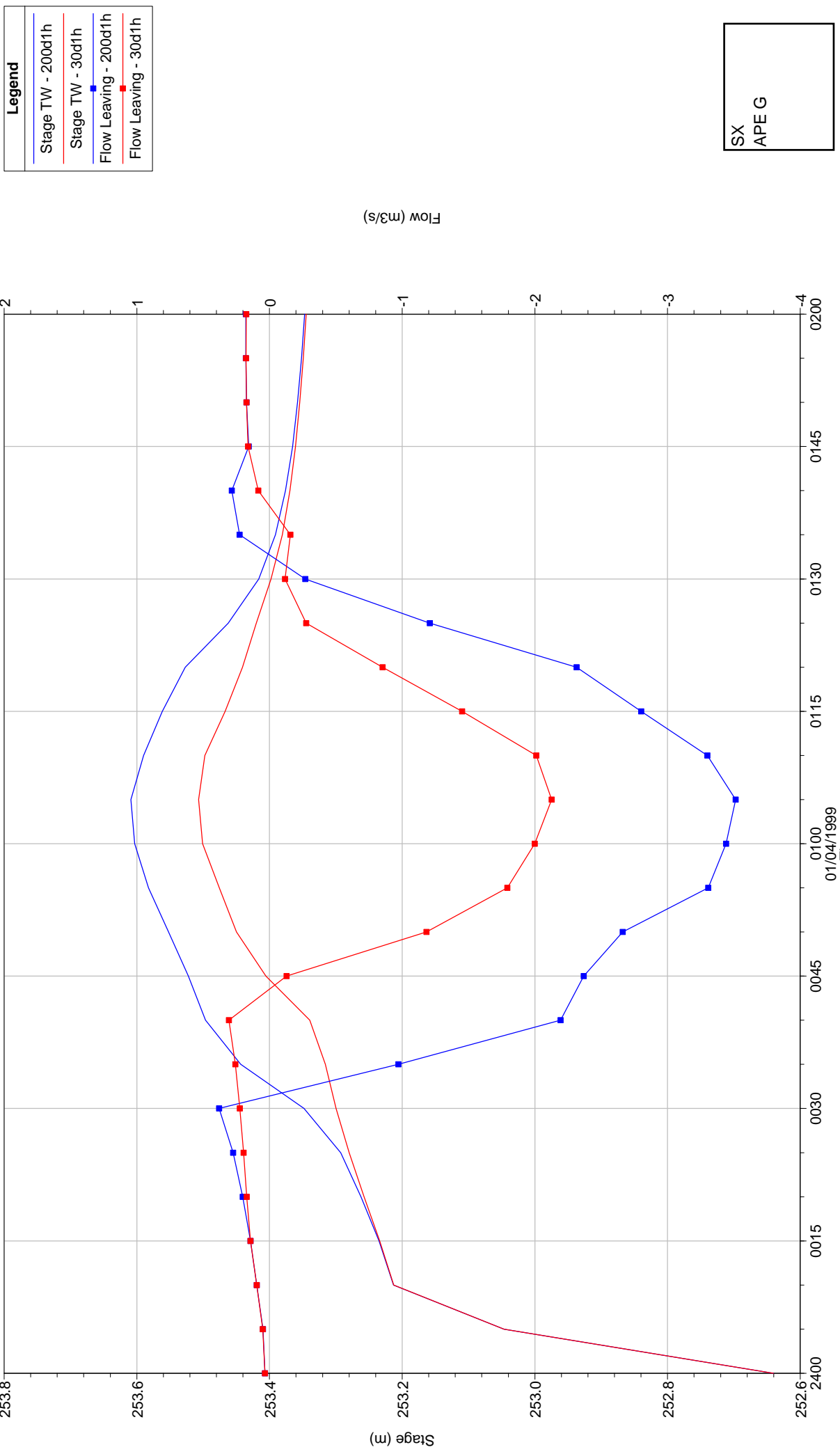
SX
APE E



River: Af3_BMC Reach: tratto 2 RS: 8.89

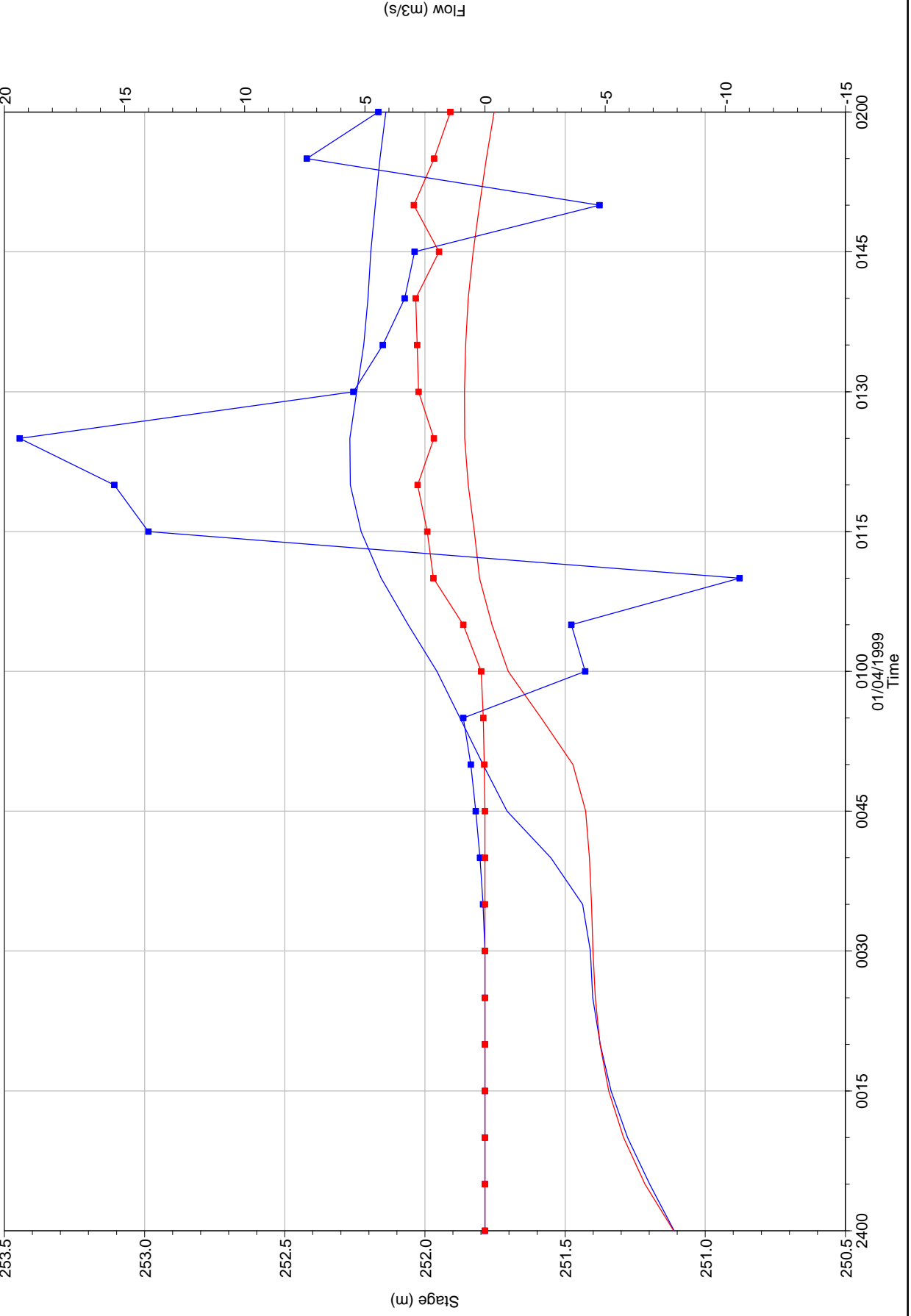


River: Af3_BMC Reach: tratto 2 RS: 8.88



SX
APEG

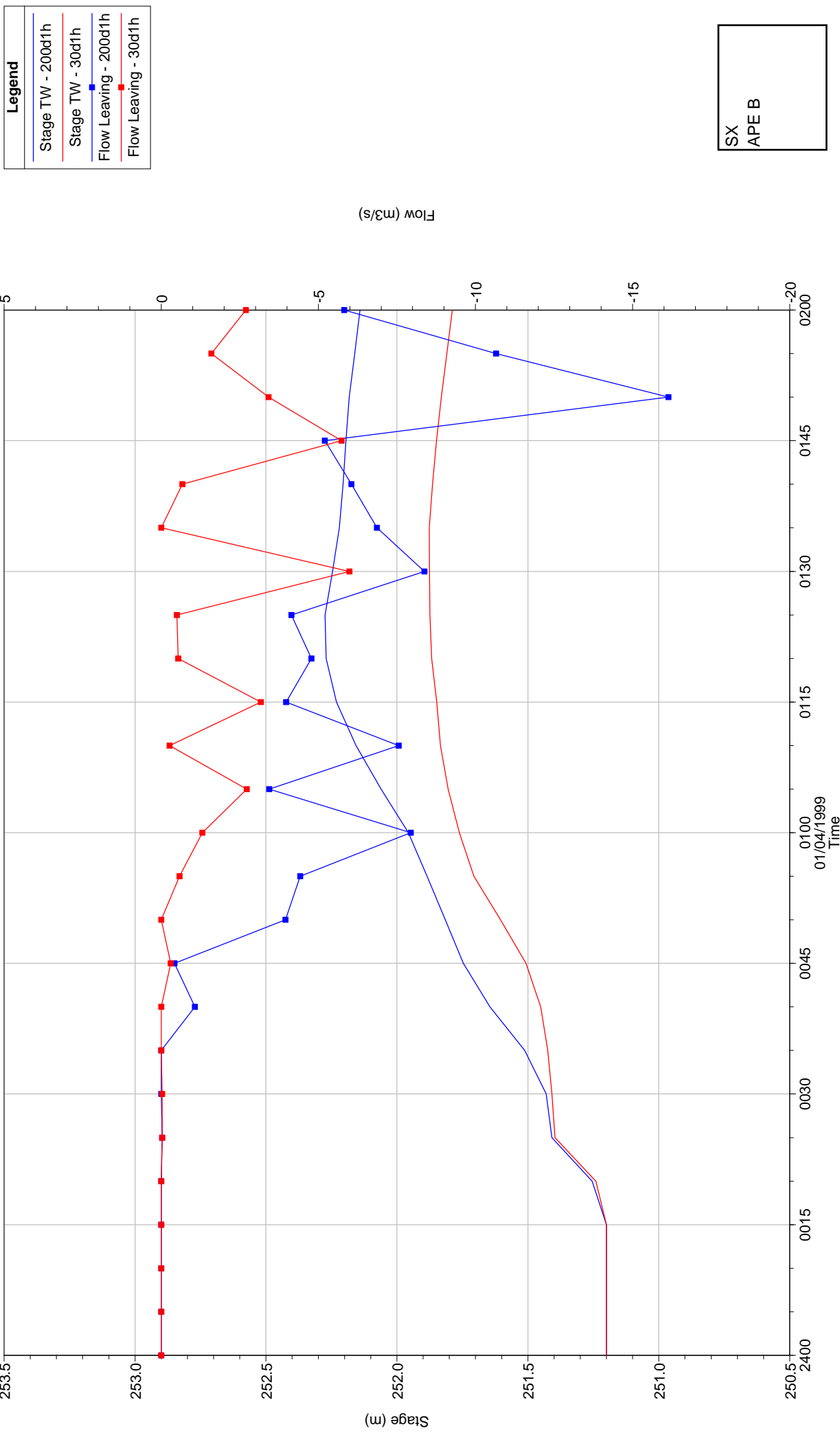
River: Af3_BMC Reach: tratto 2 RS: 5.89



Legend
Stage TW - 30d1h
Stage TW - 200d1h
Flow Leaving - 200d1h
Flow Leaving - 30d1h

DX
APE A

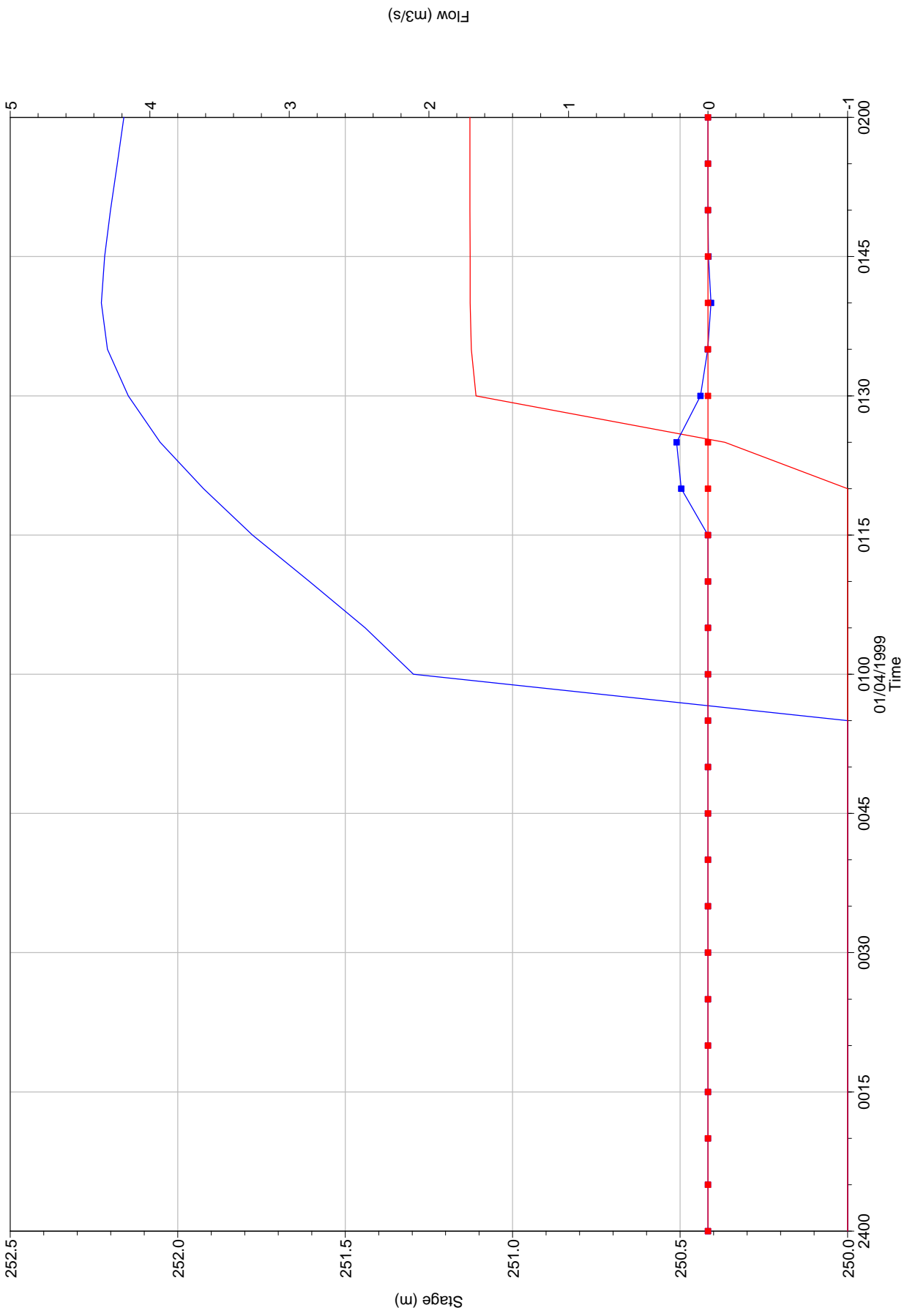
River: Af3_BMC Reach: tratto 2 RS: 5.88



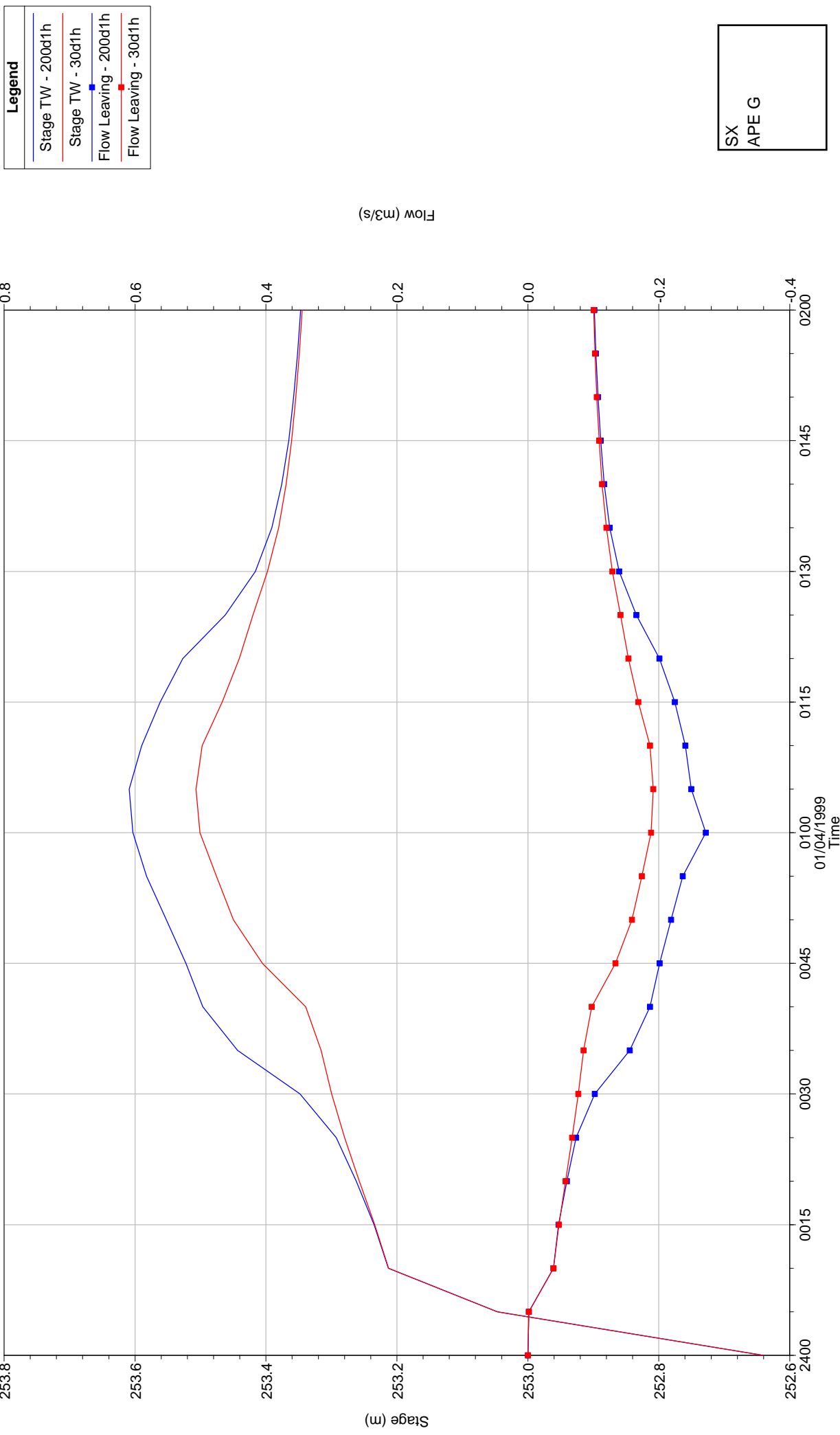
River: Af3_BMC Reach: tratto 3 RS: 1.88

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
■	Flow Leaving - 200d1h
■	Flow Leaving - 30d1h

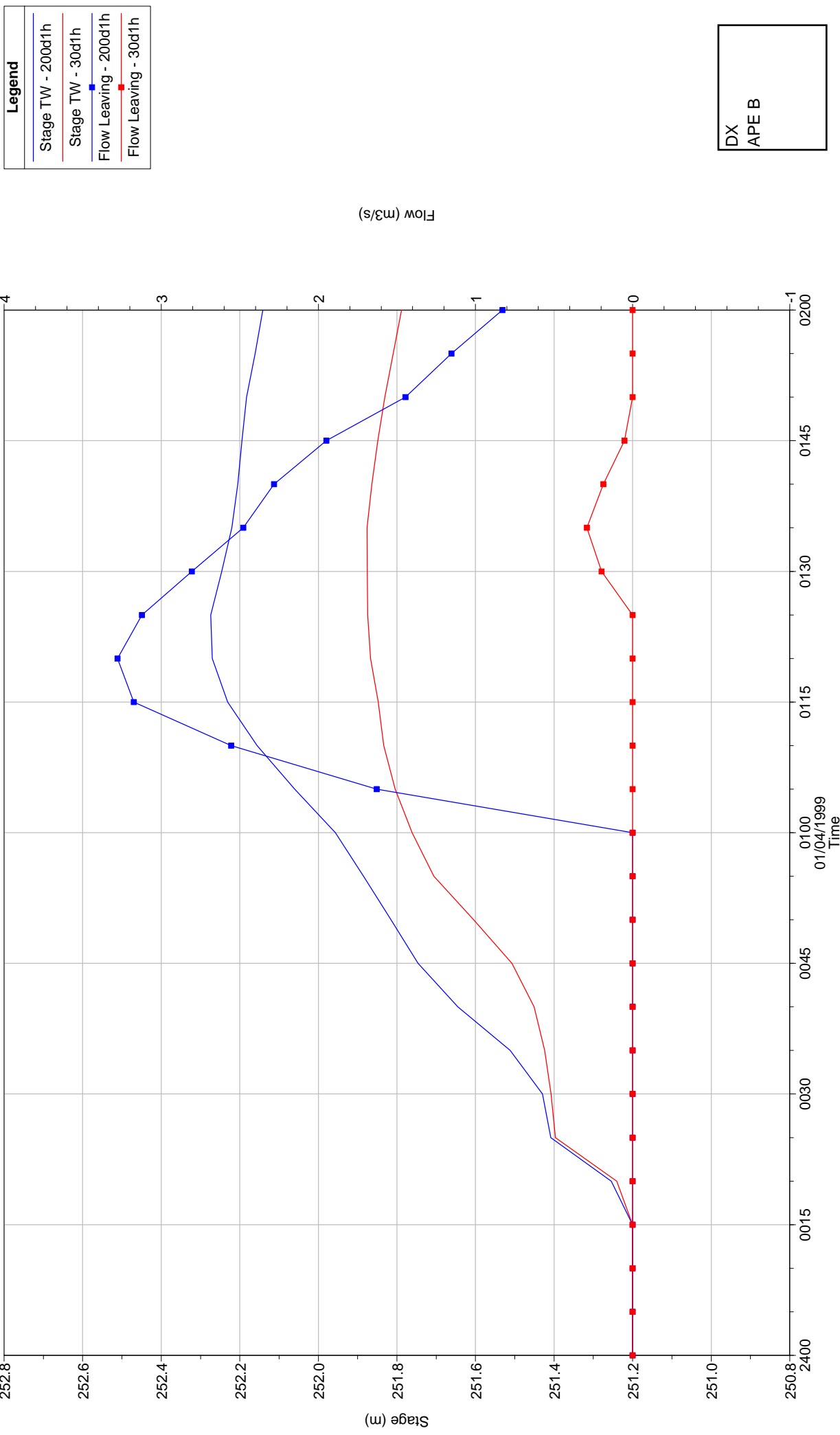
SX
APE LL



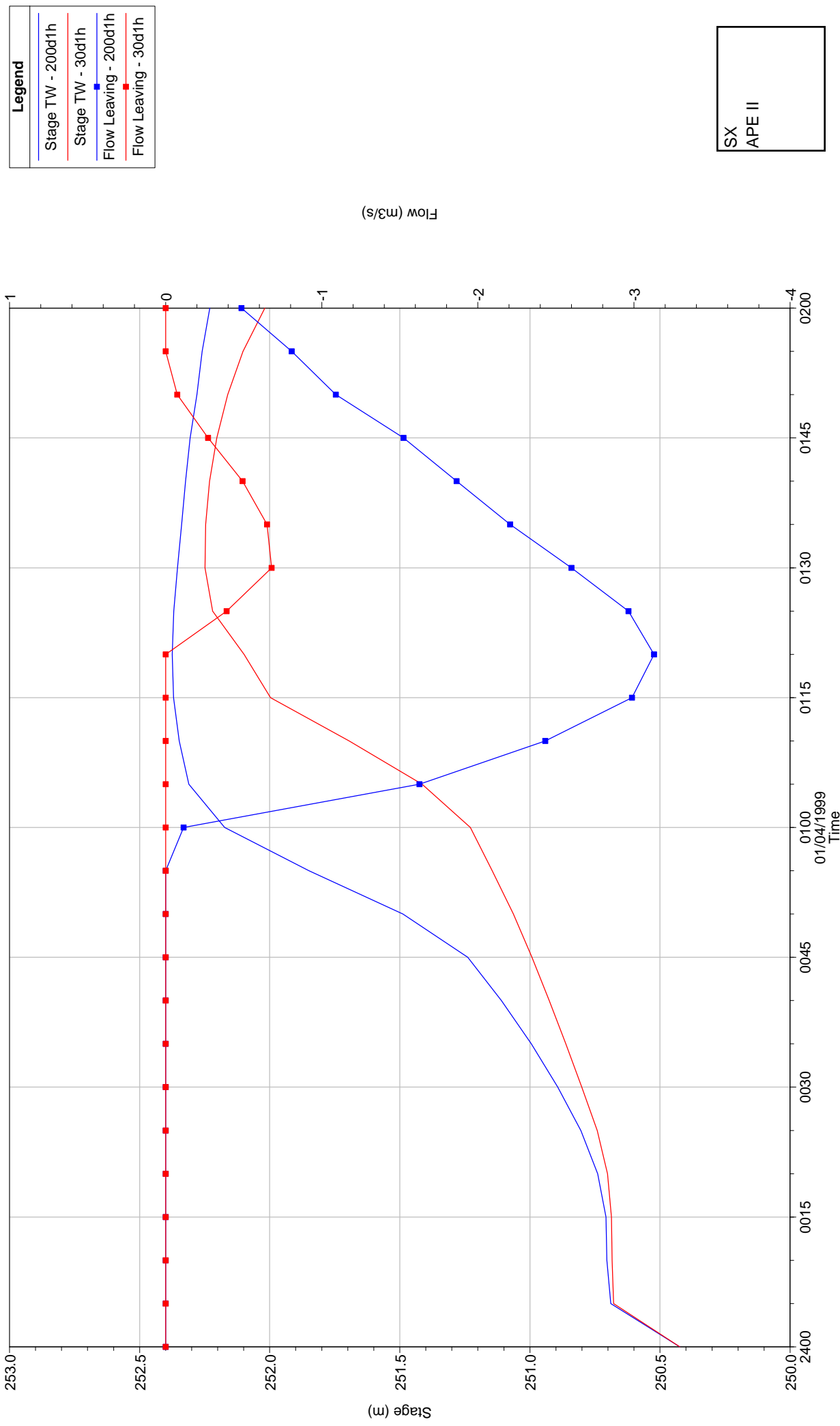
River: Af4_BMC Reach: tratto 1 RS: 5.88



River: Af4_BMC Reach: tratto 1 RS: 4.89

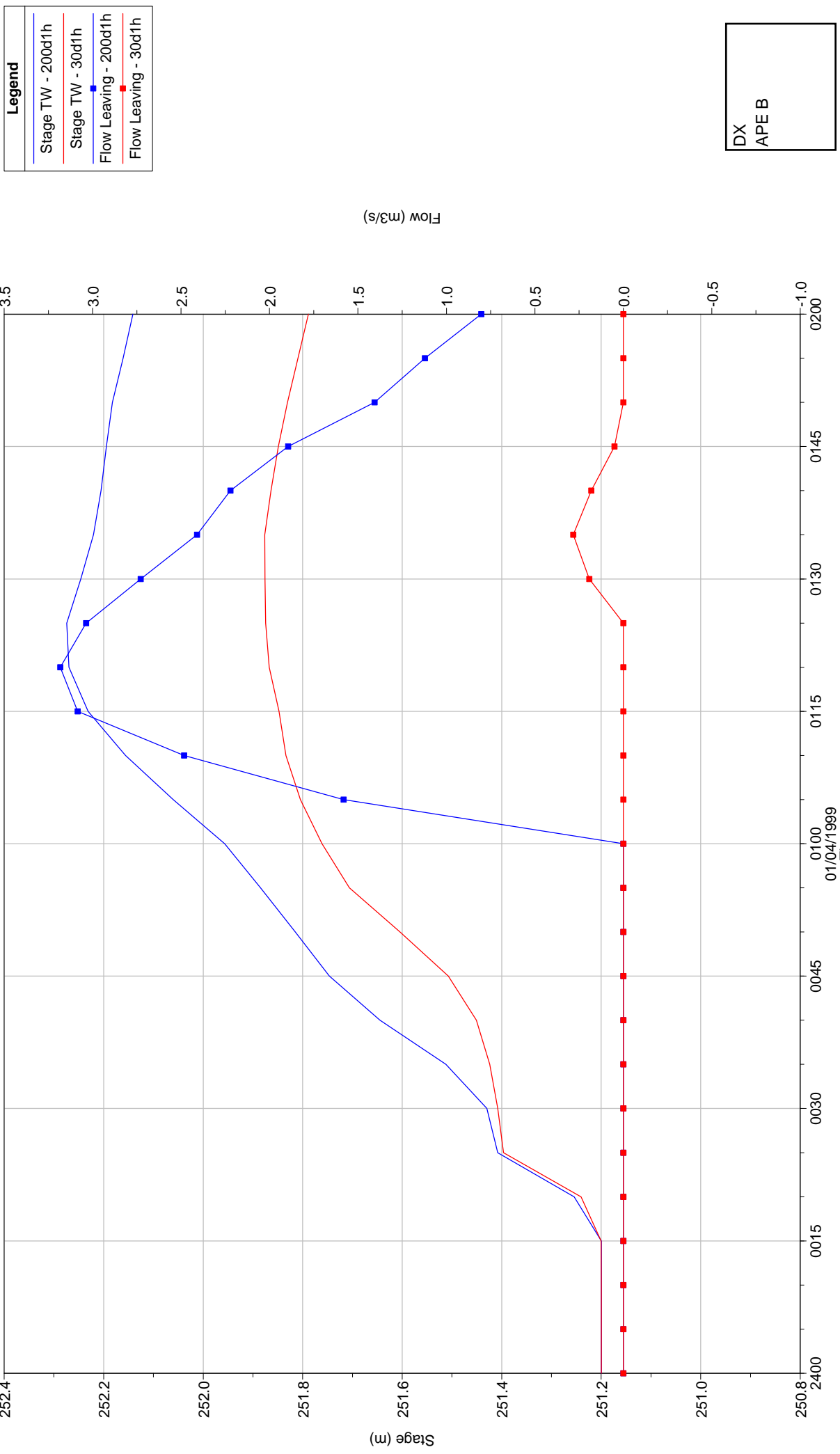


River: Af4_BMC Reach: tratto 1 RS: 4.88



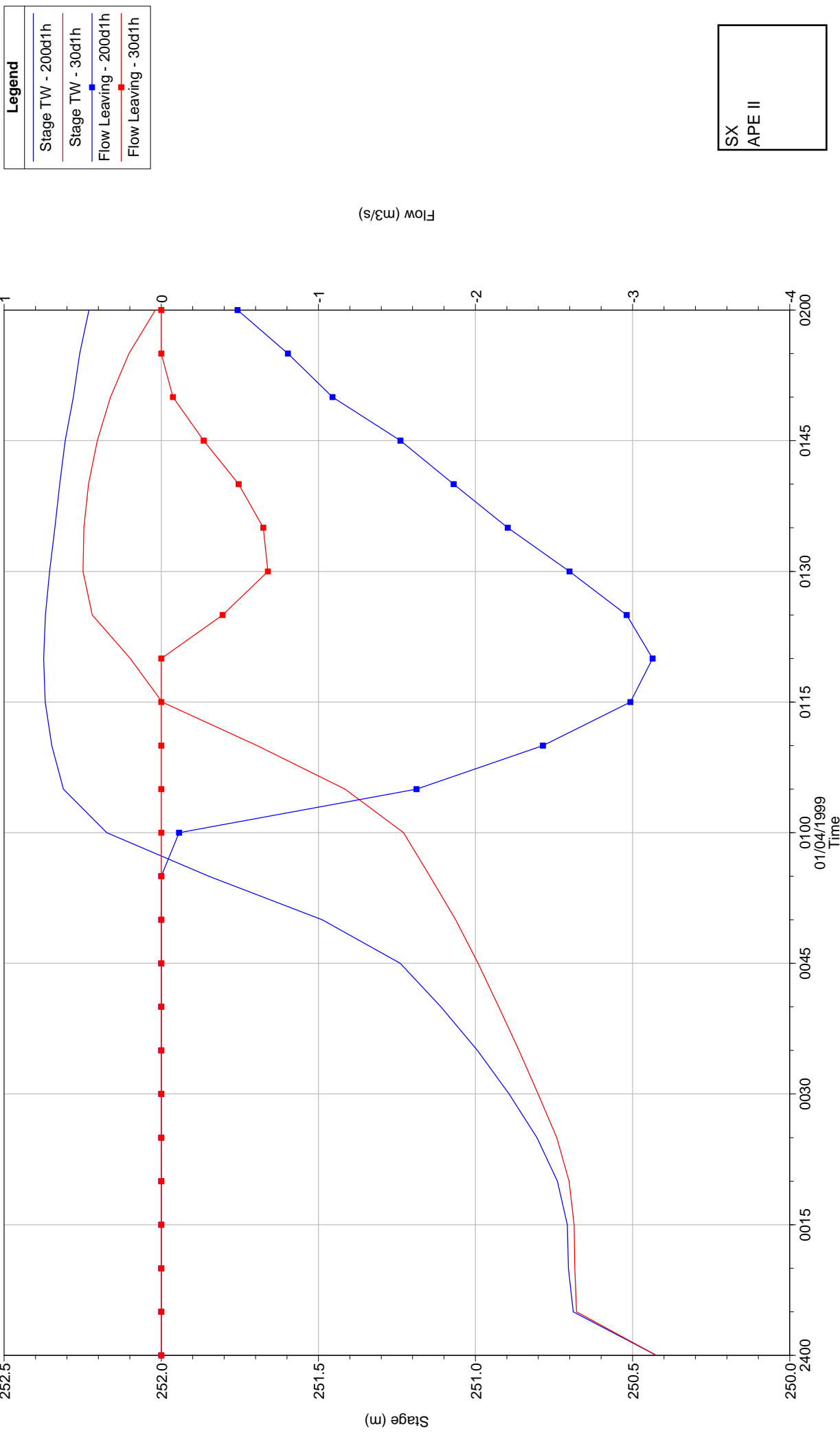
SX
APE II

River: Af4_BMC Reach: tratto 1 RS: 3.89



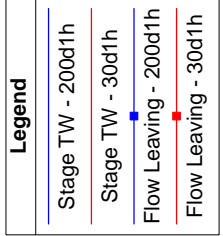
DX
APE B

River: Af4_BMC Reach: tratto 1 RS: 3.88

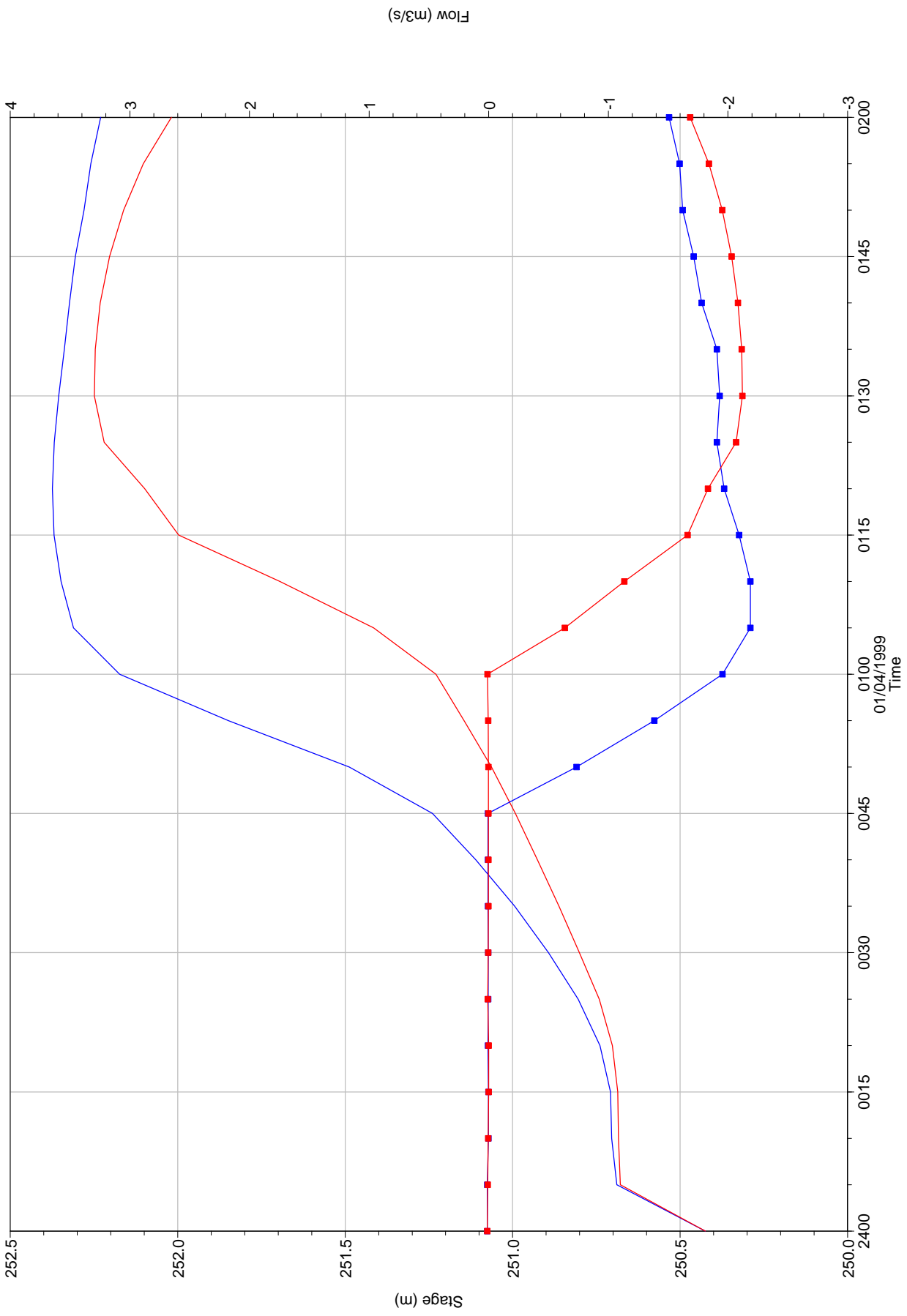


SX
APE II

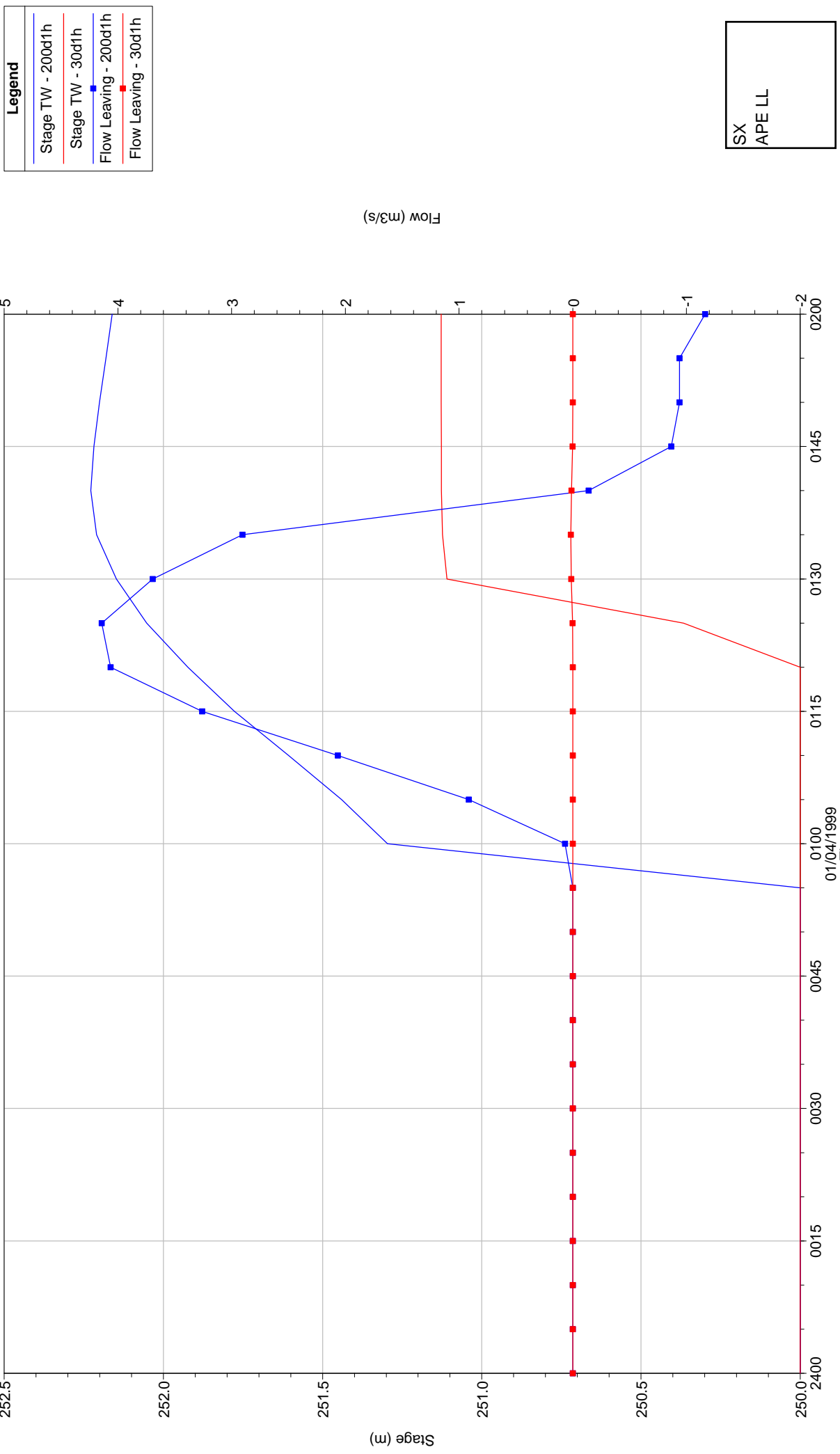
River: Af4_BMC Reach: tratto 1 RS: 2.48



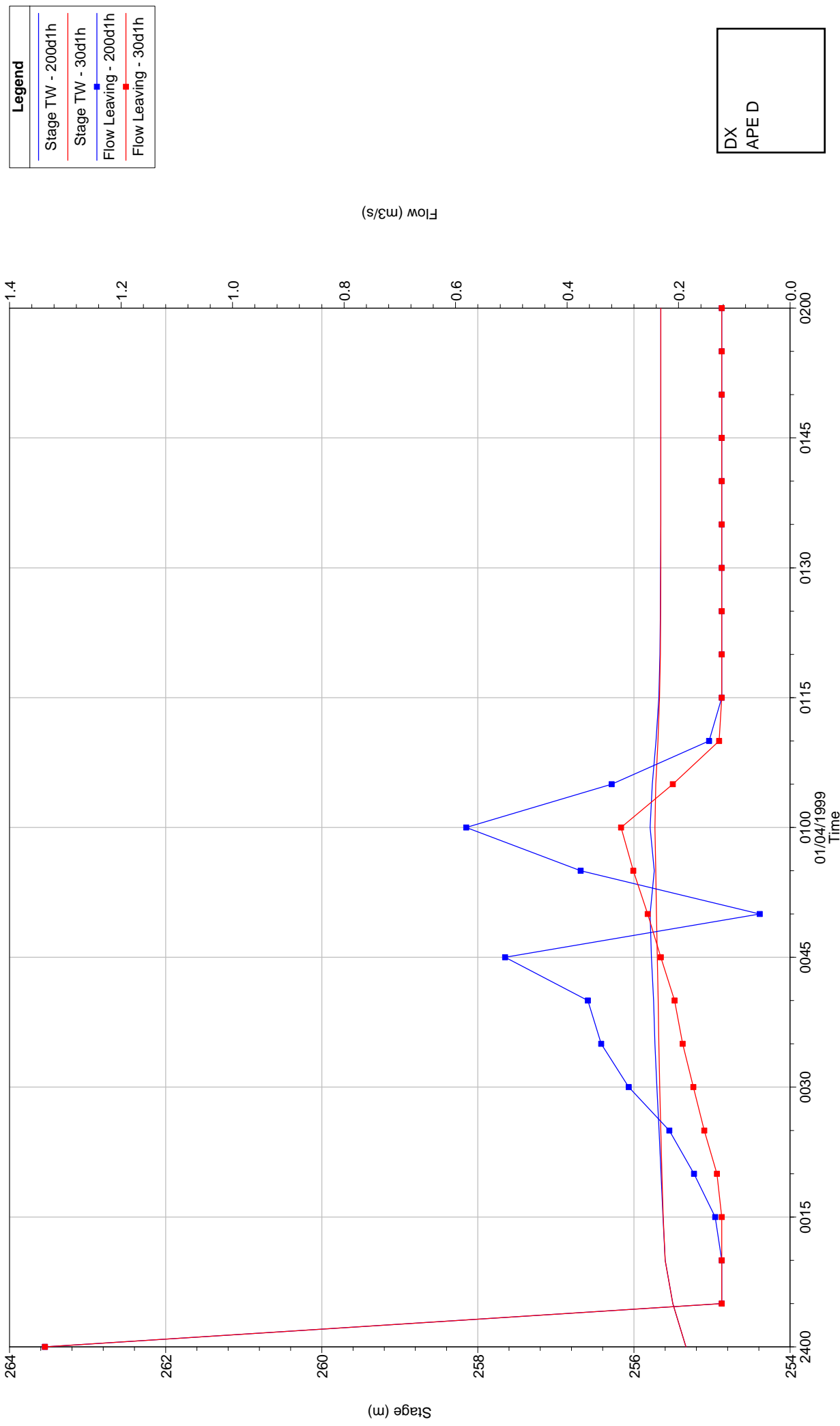
SX
APE II



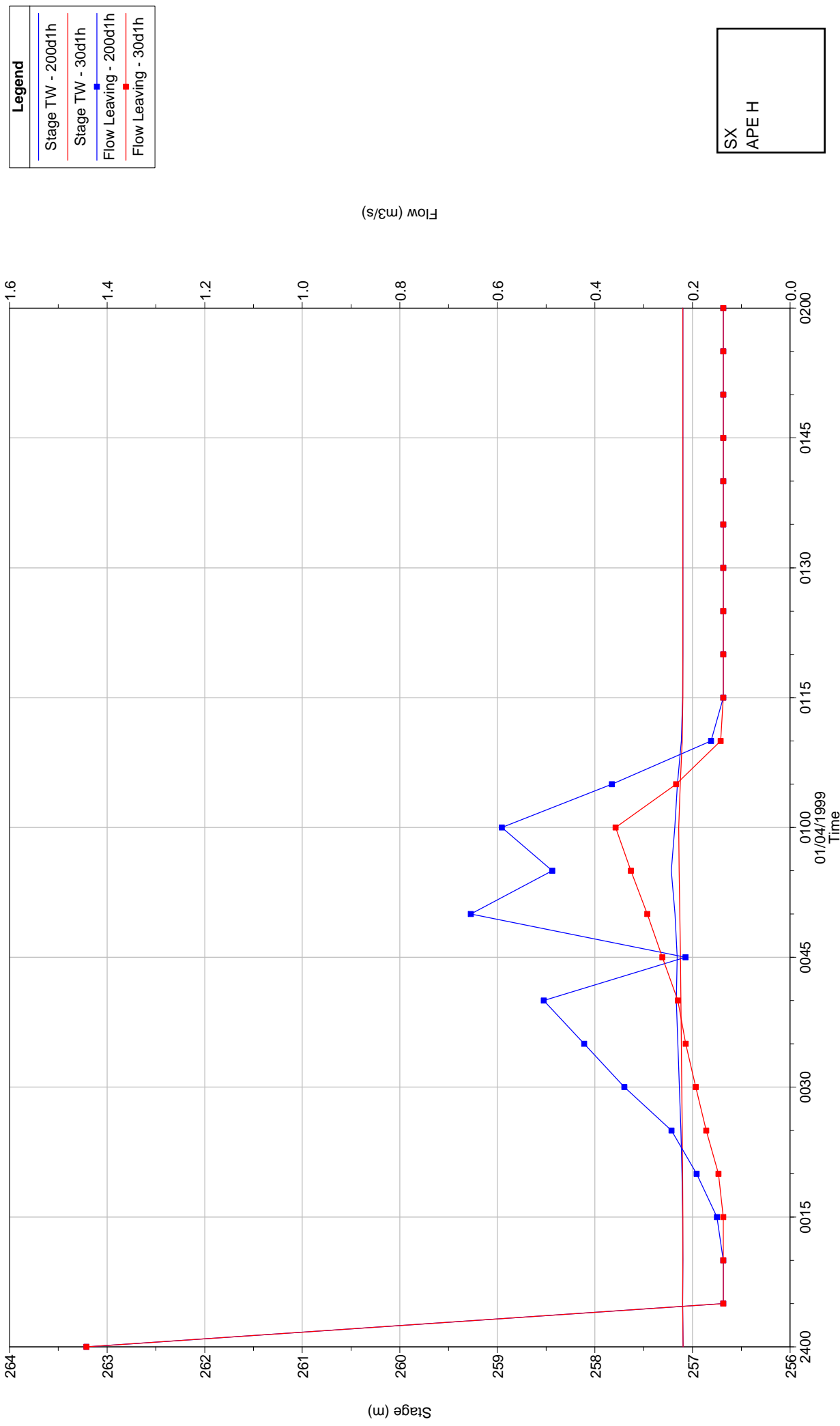
River: Af4_BMC Reach: tratto 1 RS: 1.88



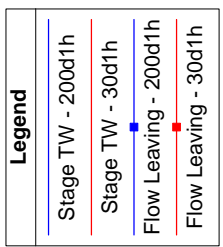
River: Af5_BMC Reach: tratto 1 RS: 5.89



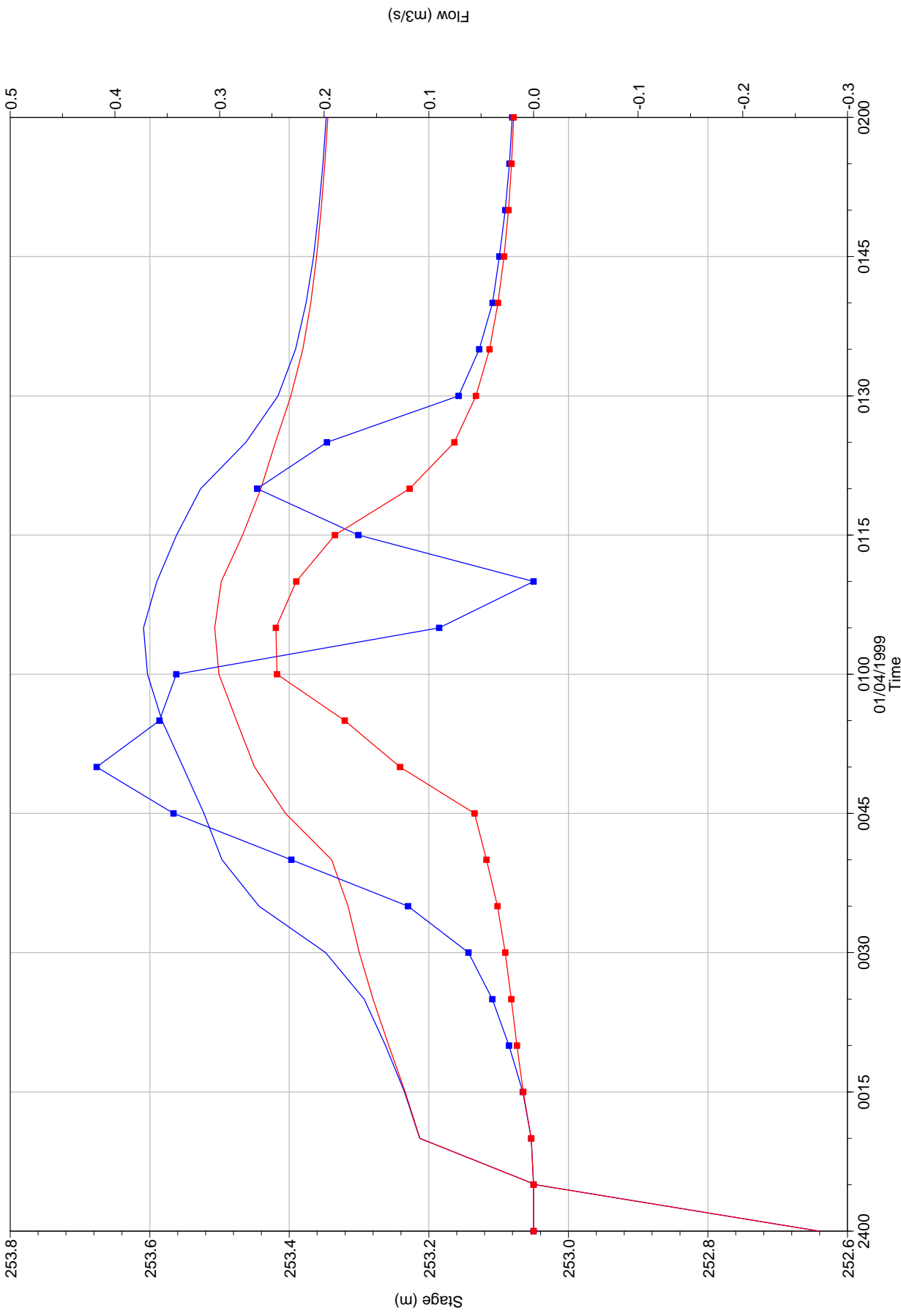
River: Af5_BMC Reach: tratto 1 RS: 5.88



River: Af5_BMC Reach: tratto 1 RS: 1.88



SX
APEG

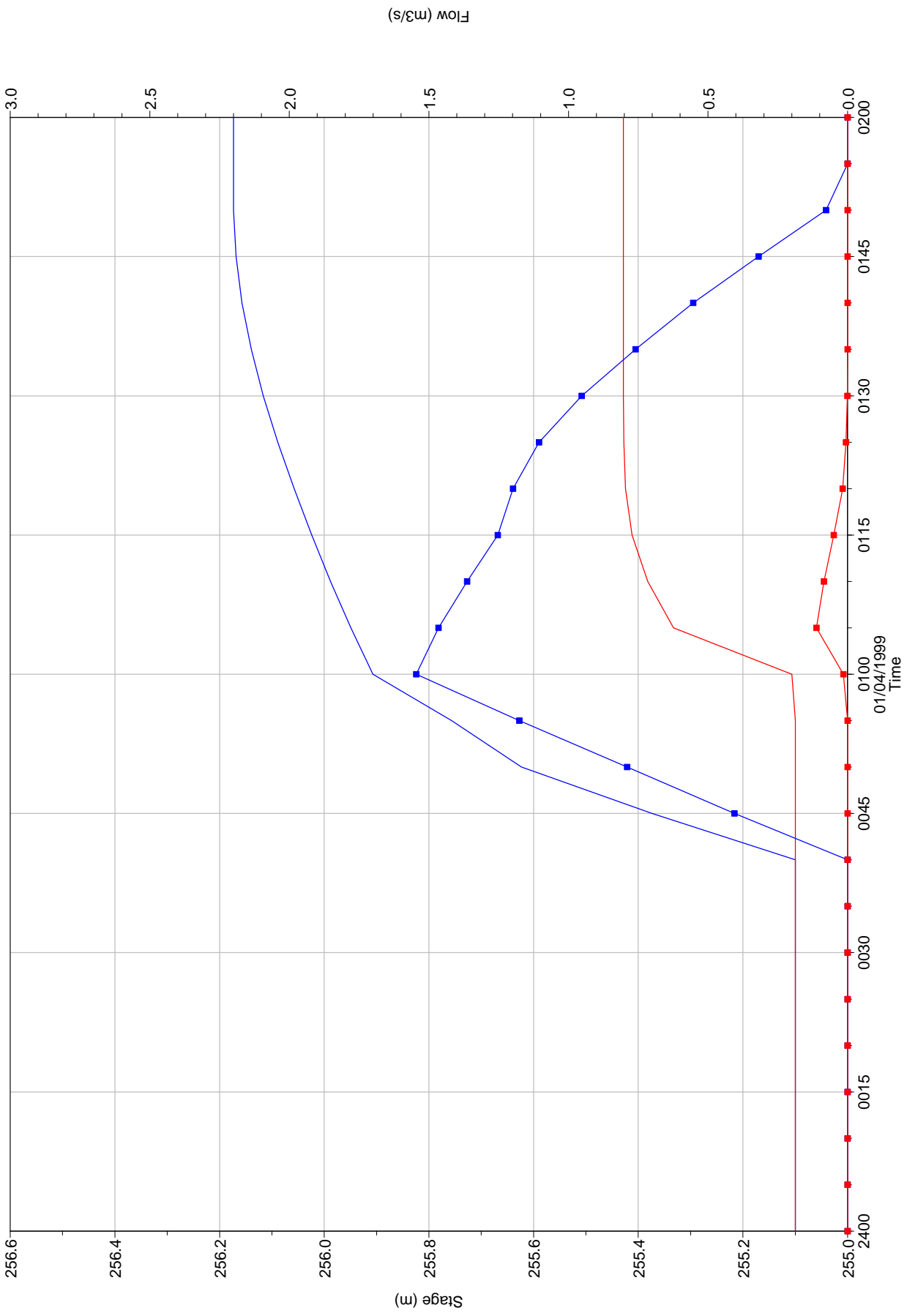


River: F_ai Reach: area industriale RS: 4.99

Legend

- Stage TW - 200d1h
- Stage TW - 30d1h
- Flow Leaving - 200d1h
- Flow Leaving - 30d1h

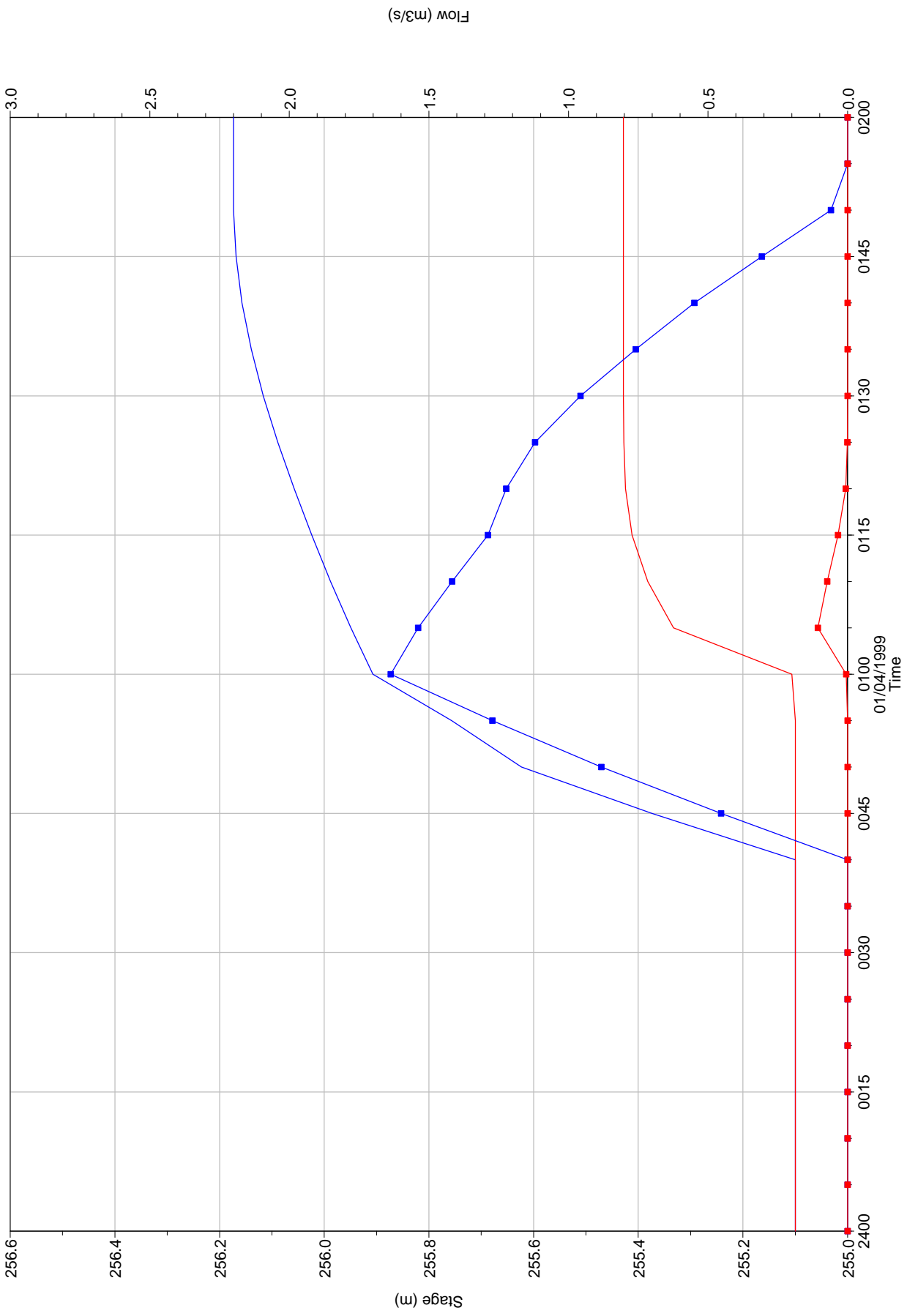
DX
APE OO



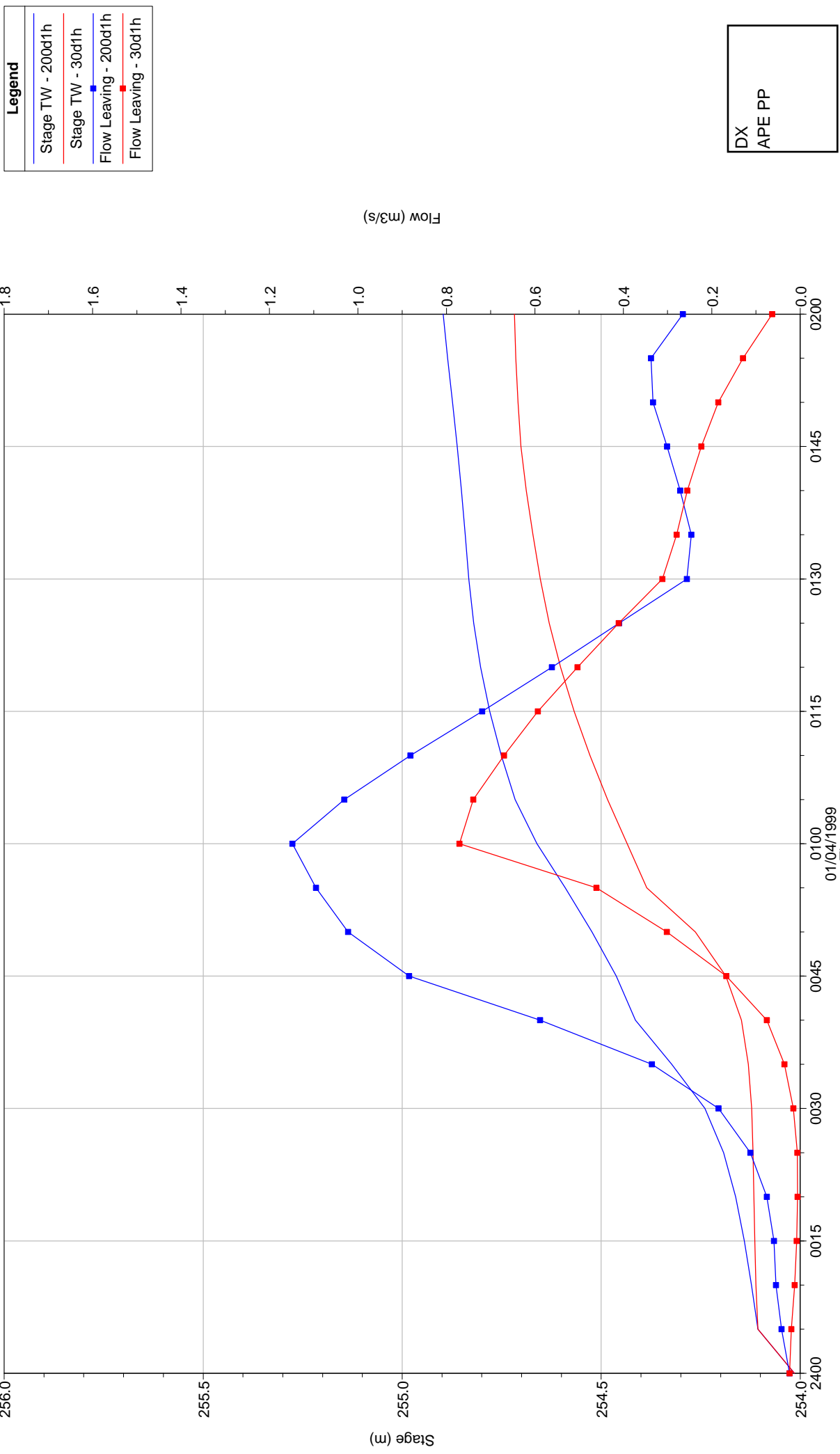
River: F_ai Reach: area industriale RS: 4.98

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
■	Flow Leaving - 200d1h
■	Flow Leaving - 30d1h

SX
APE 00



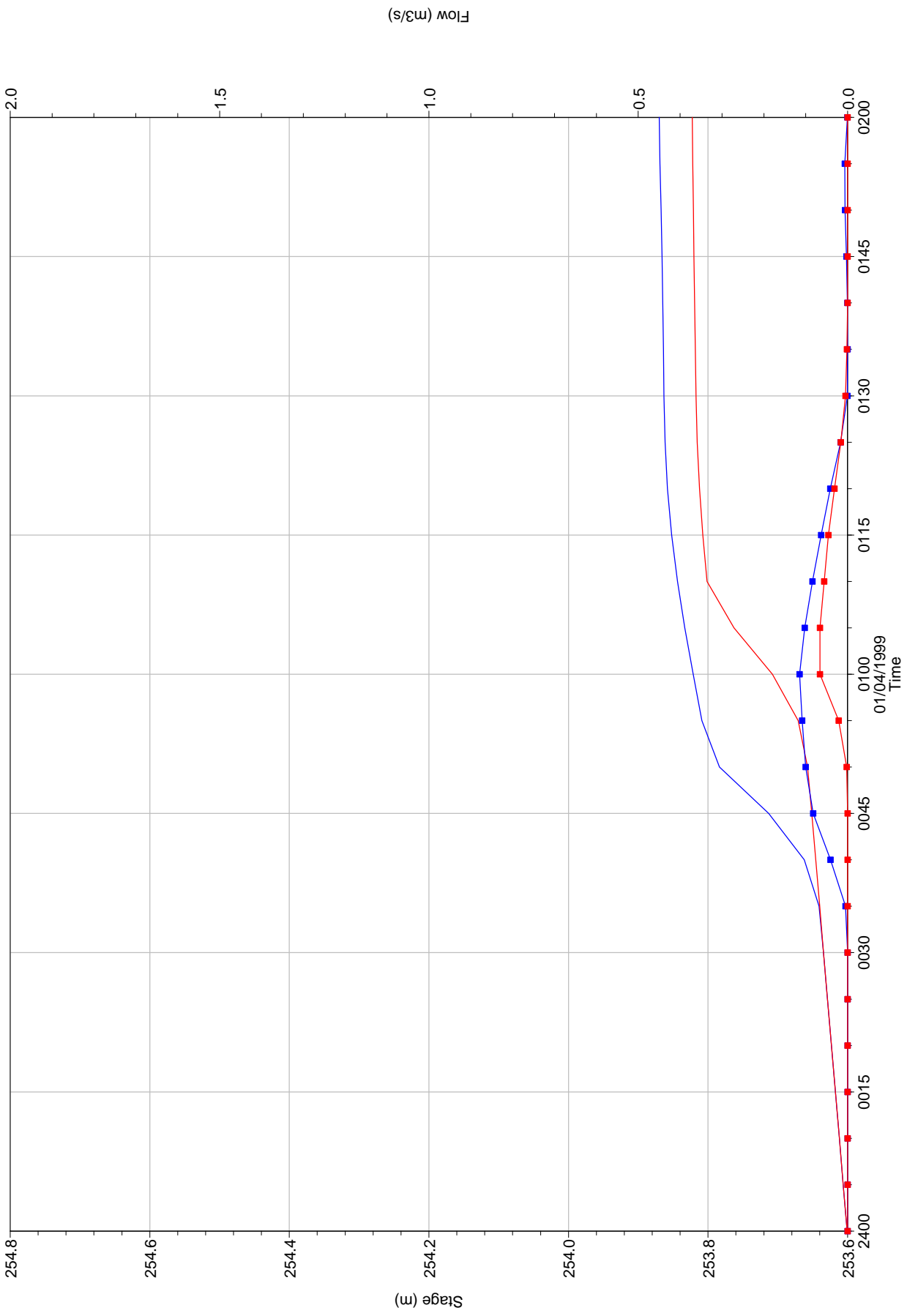
River: F_ai Reach: area industriale RS: 2.99



River: F_ai Reach: area industriale RS: 0.79

- Legend**
- Stage TW - 200d1h
 - Stage TW - 30d1h
 - Flow Leaving - 200d1h
 - Flow Leaving - 30d1h

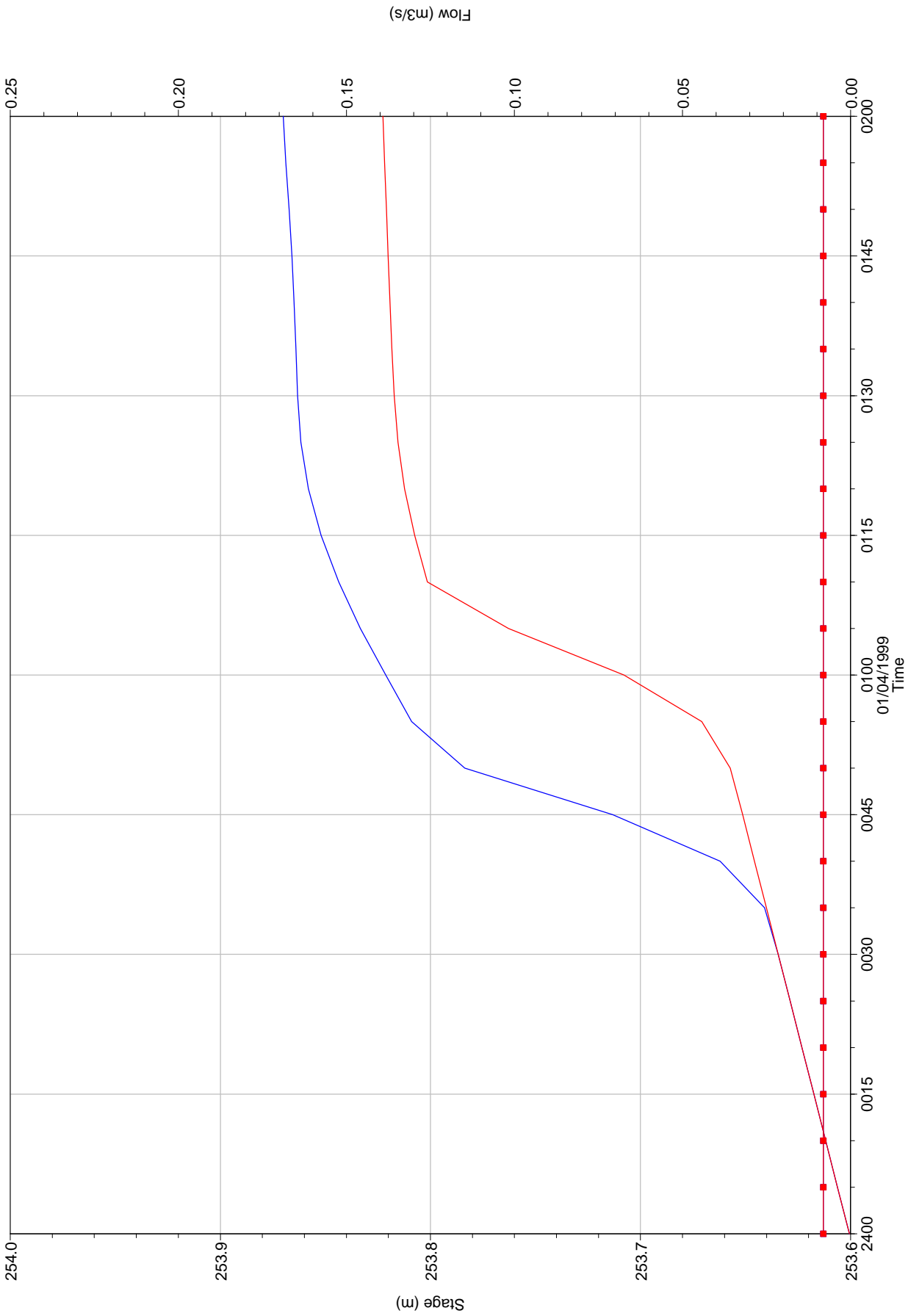
DX
APE RR



River: F_str Reach: area industriale RS: 14.88

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
—	Flow Leaving - 200d1h
—	Flow Leaving - 30d1h

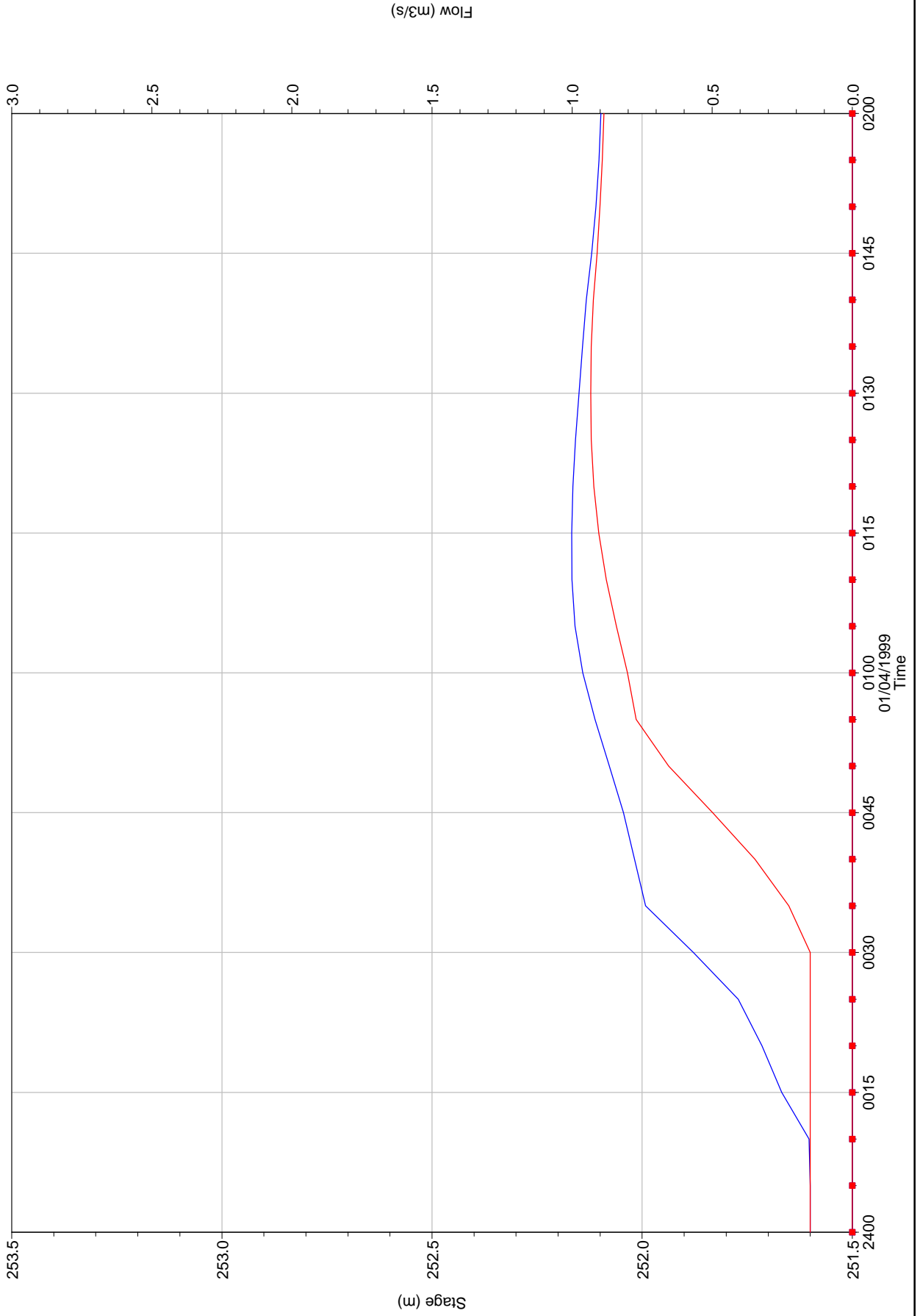
SX
APE RR



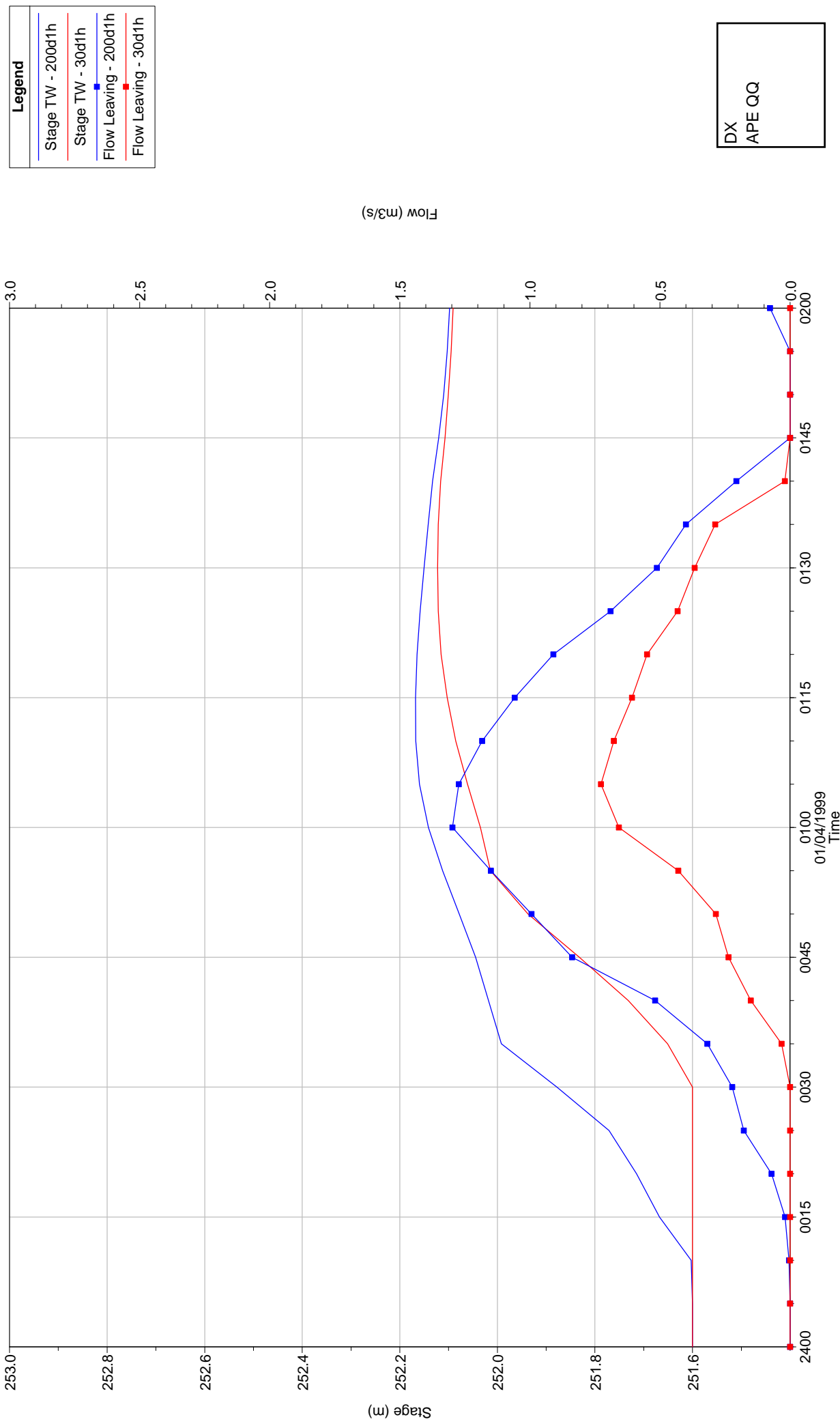
River: F_str Reach: area industriale RS: 12.89

Legend	
—	Stage TW - 200d1h
—	Stage TW - 30d1h
—	Flow Leaving - 200d1h
—	Flow Leaving - 30d1h

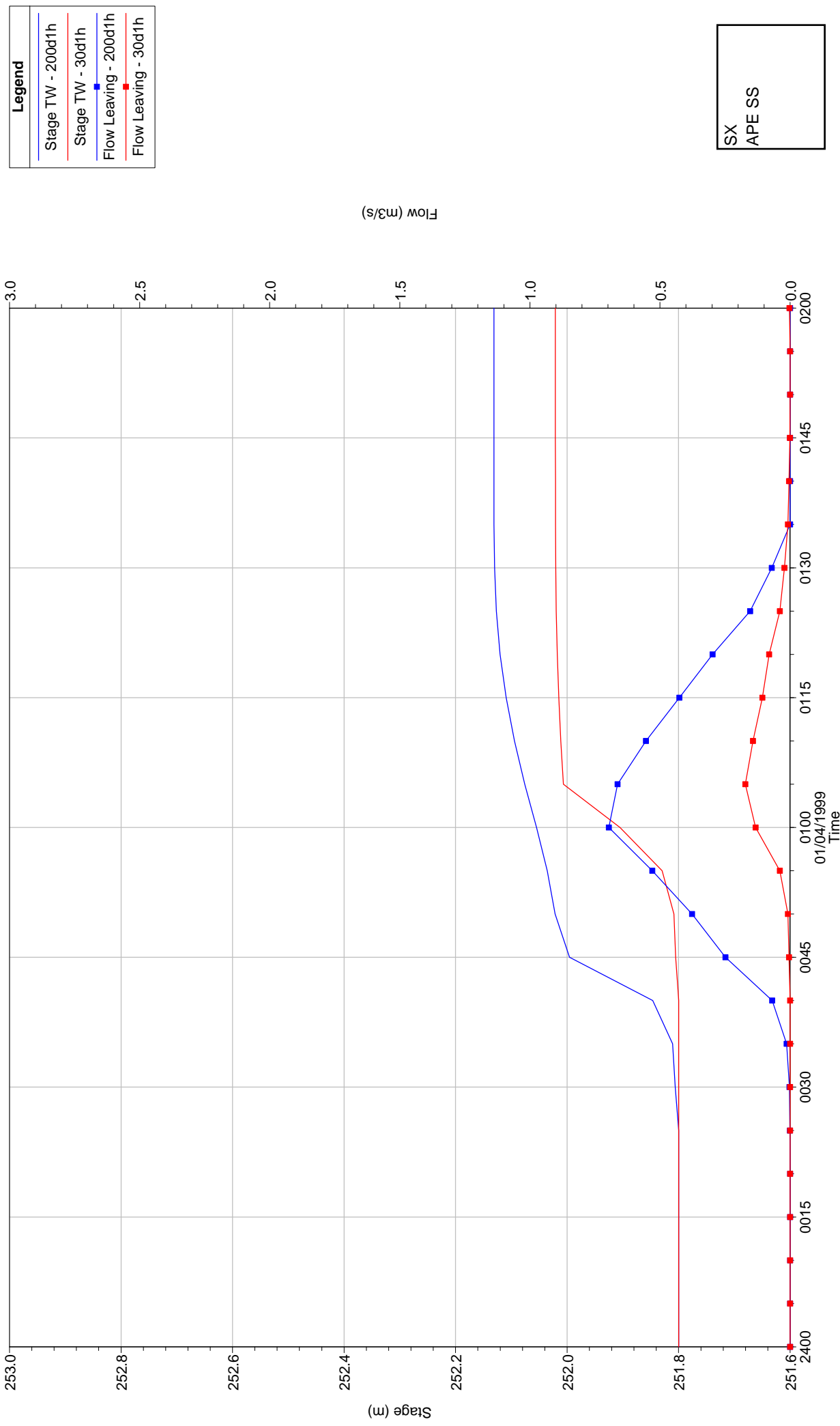
DX
APE QQ



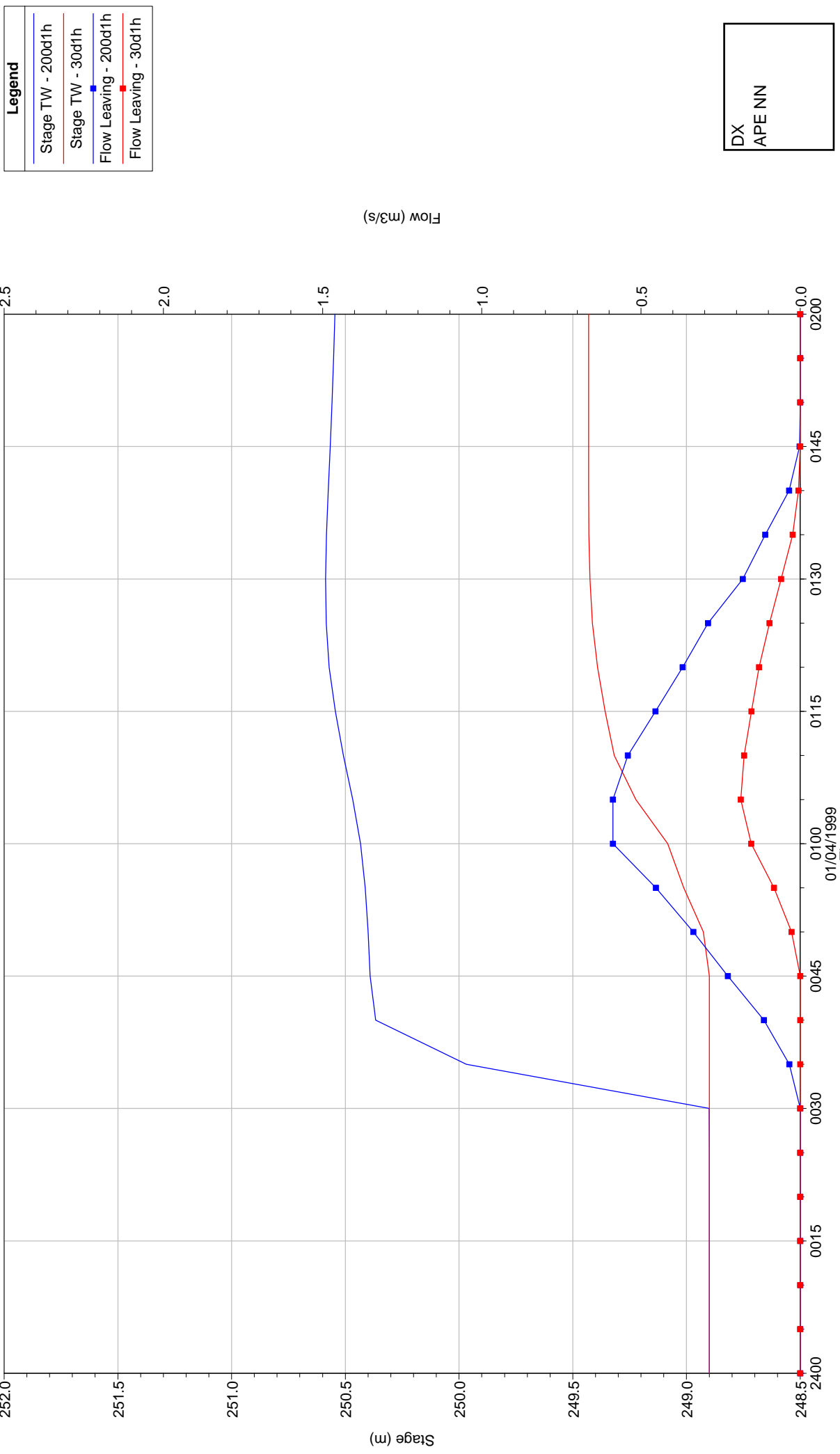
River: F_str Reach: area industriale RS: 10.89



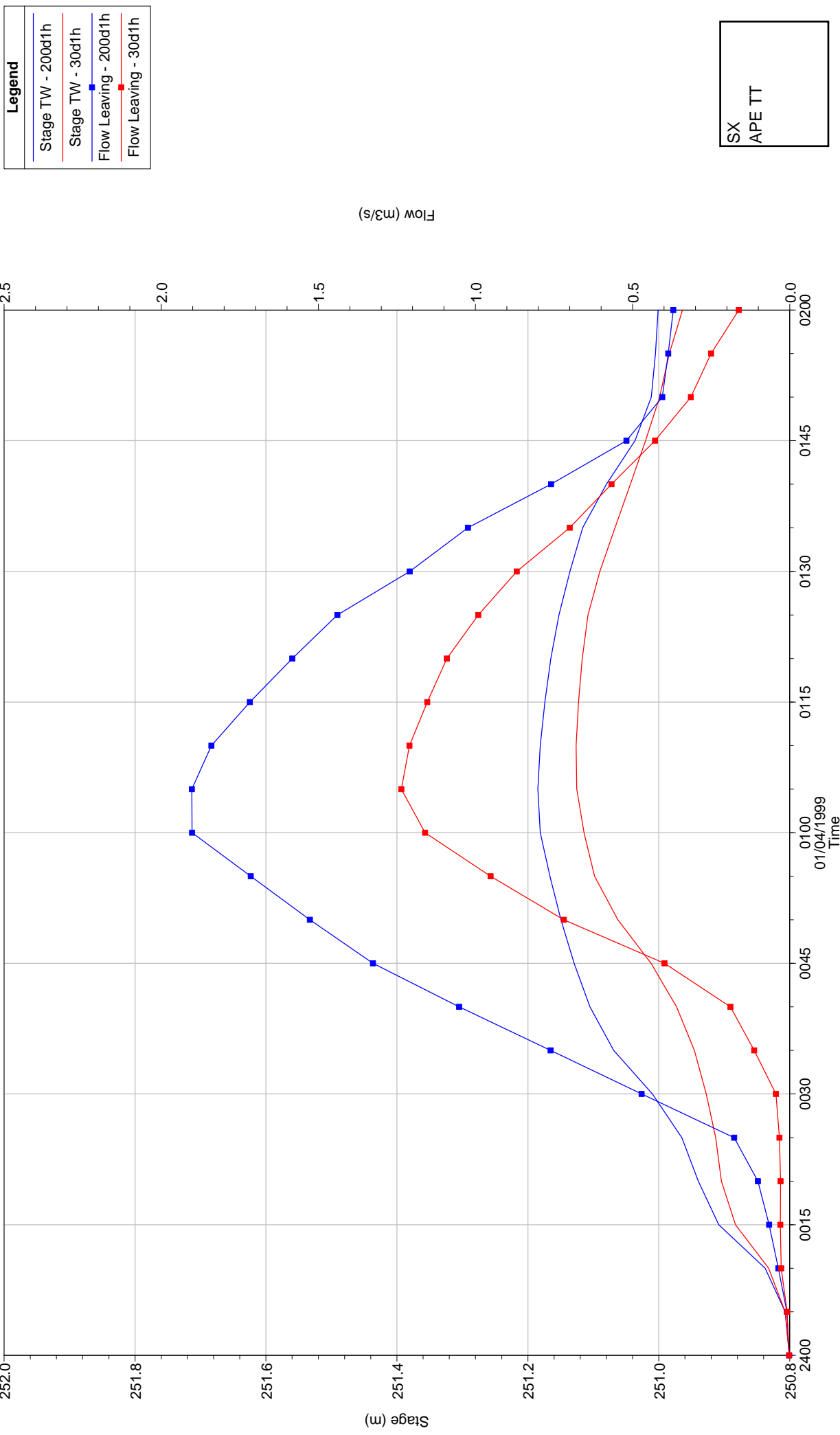
River: F_str Reach: area industriale RS: 10.88



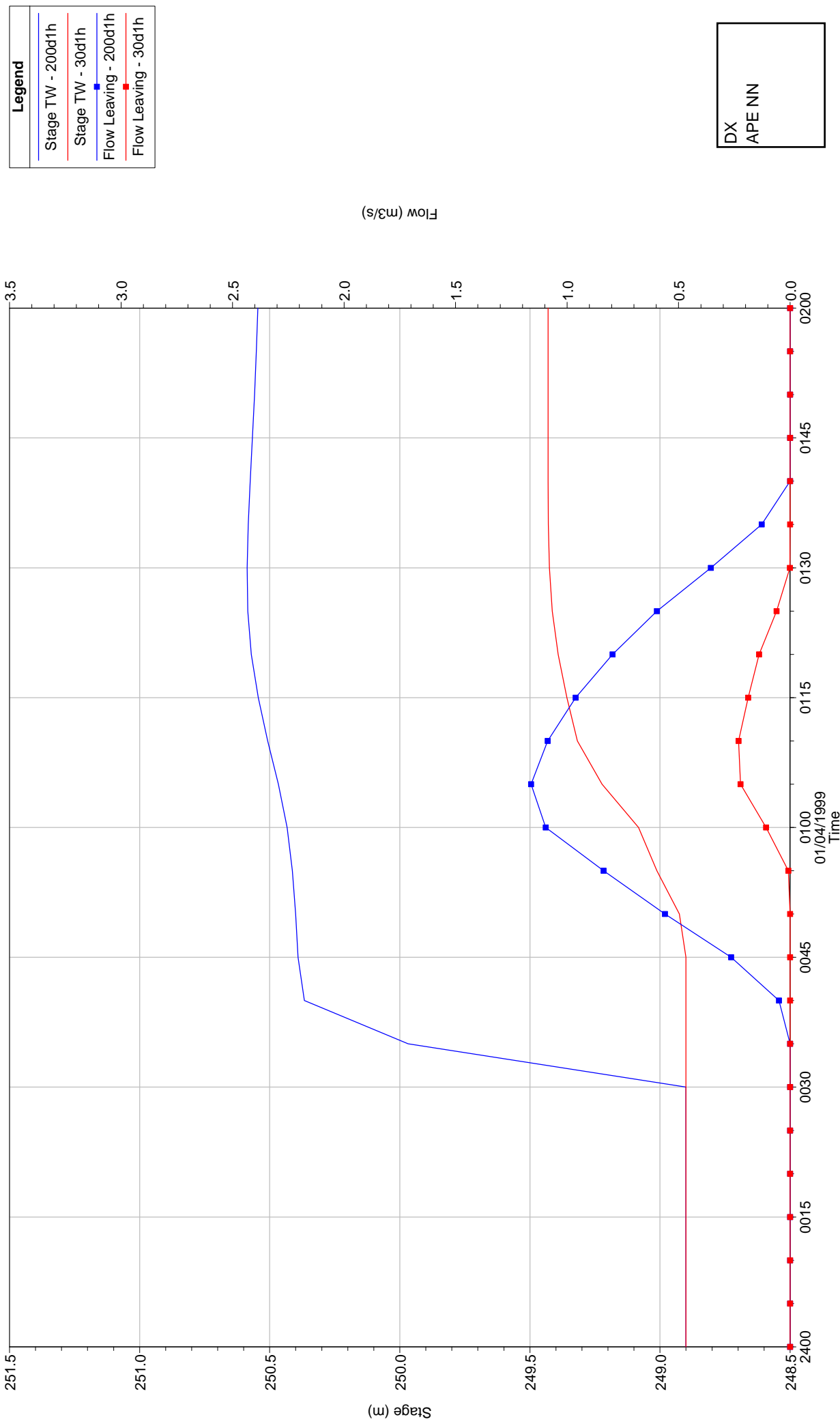
River: F_str Reach: area industriale RS: 8.89



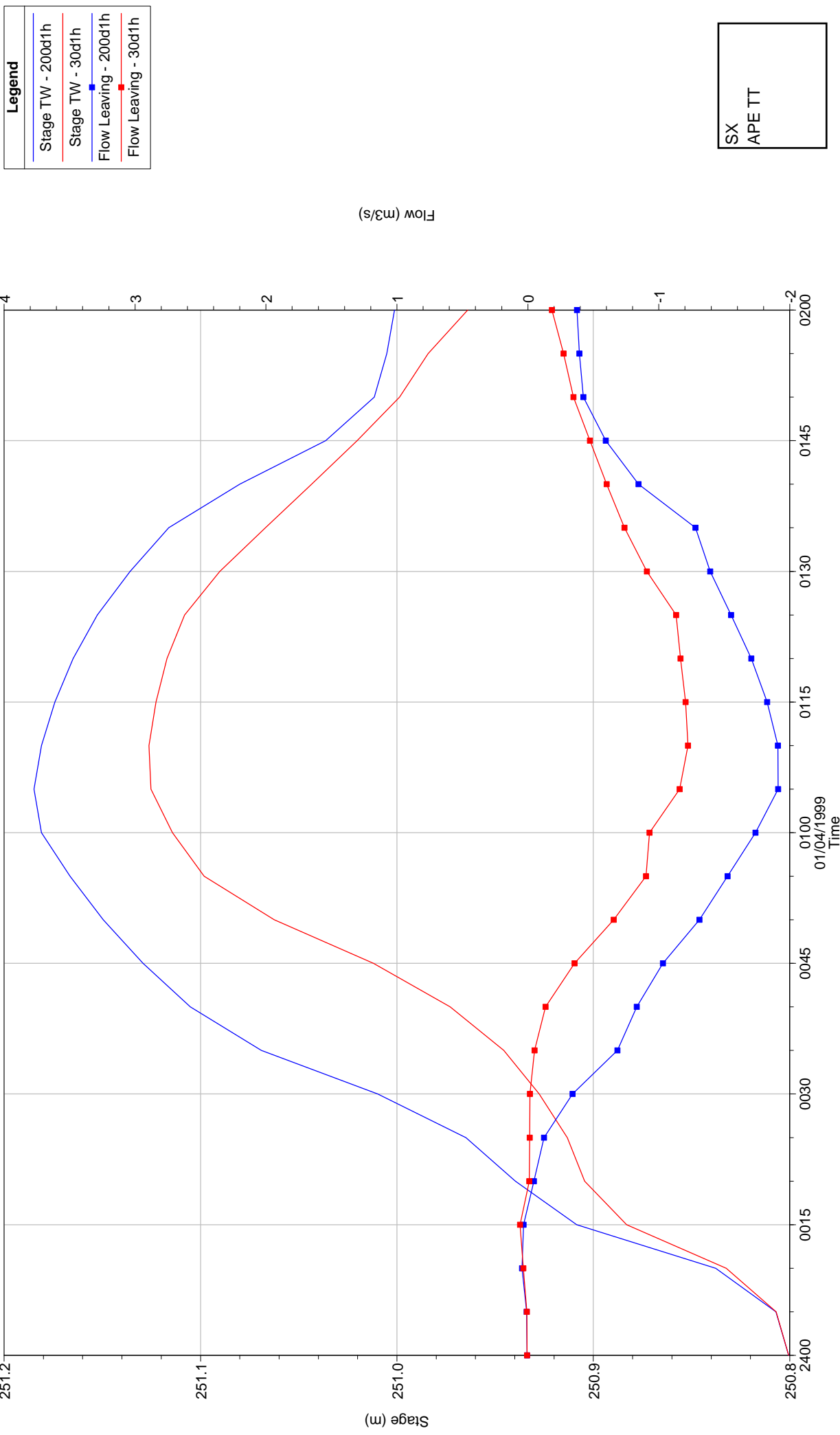
River: F_str Reach: area industriale RS: 8.88



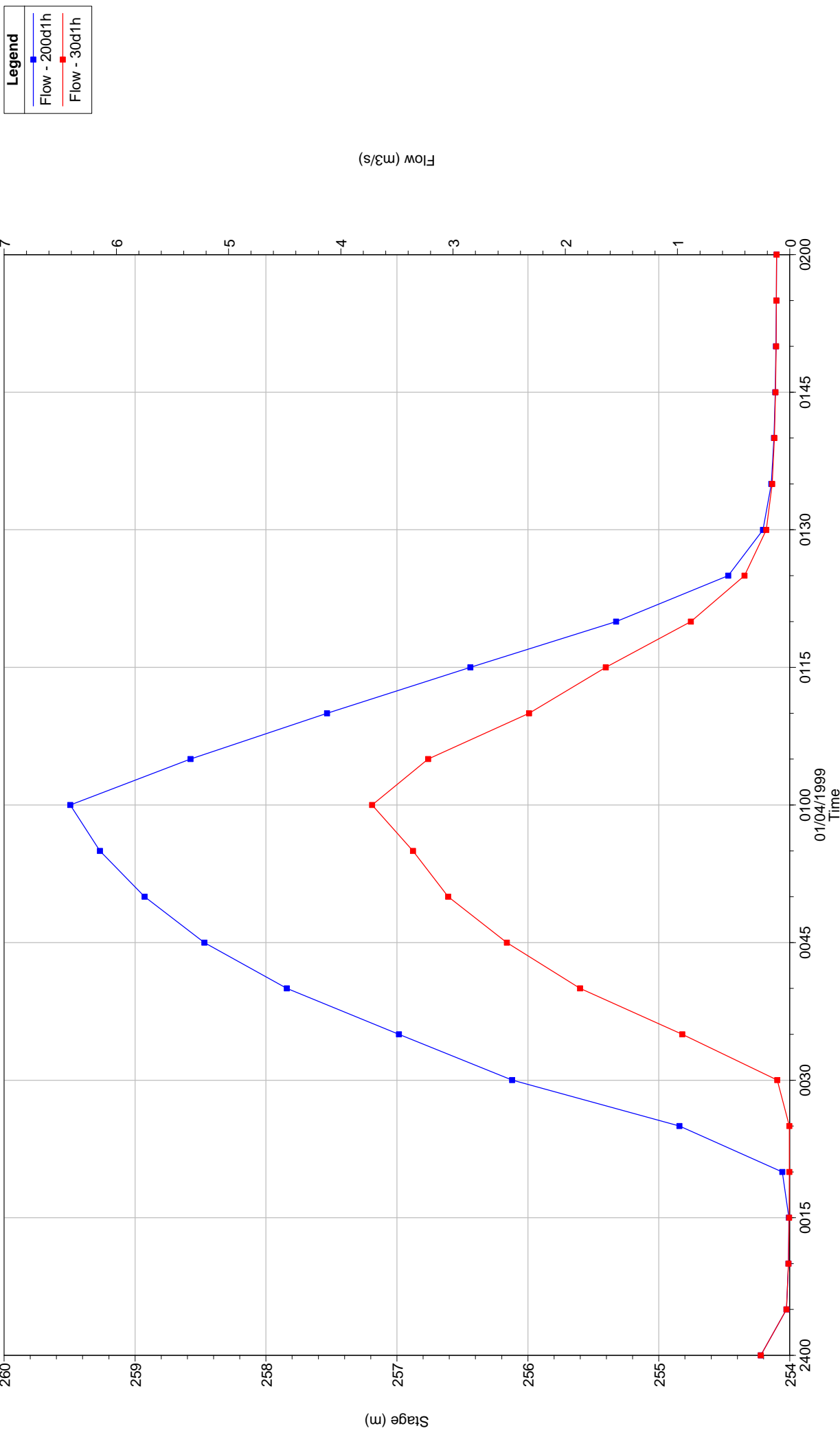
River: F_str Reach: area industriale RS: 6.89



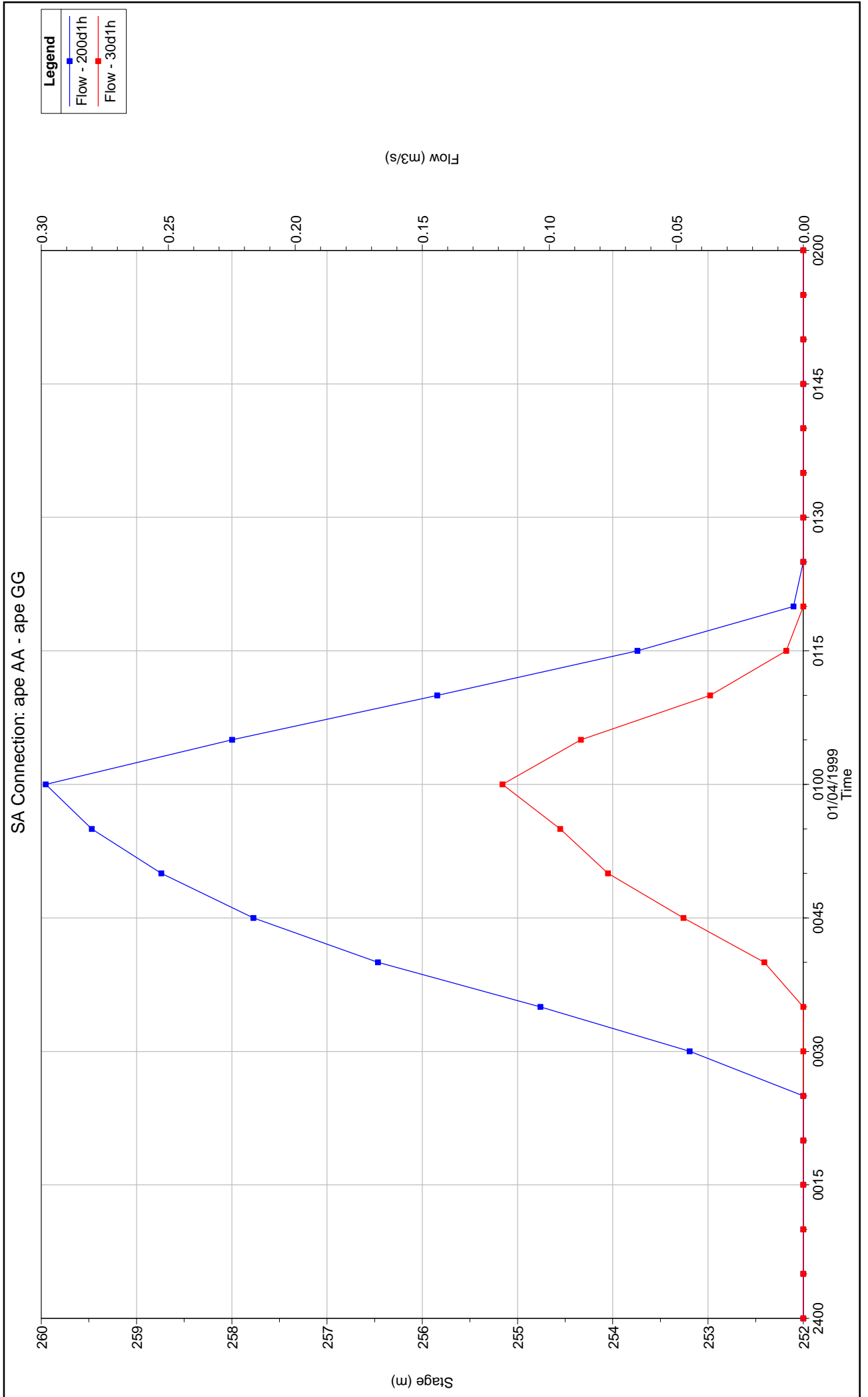
River: F_str Reach: area industriale RS: 6.88



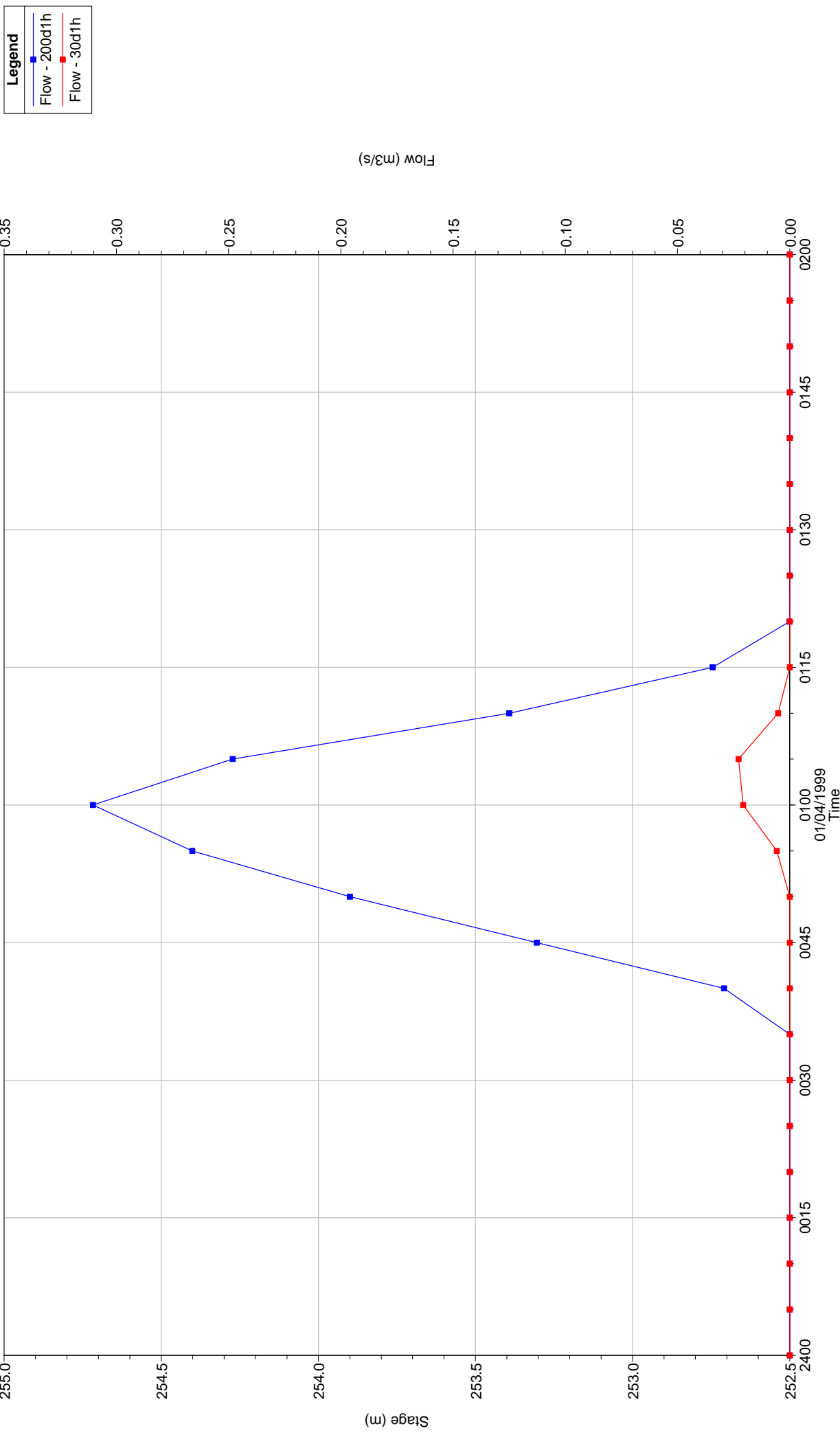
SA Connection: ape AA - ape BB

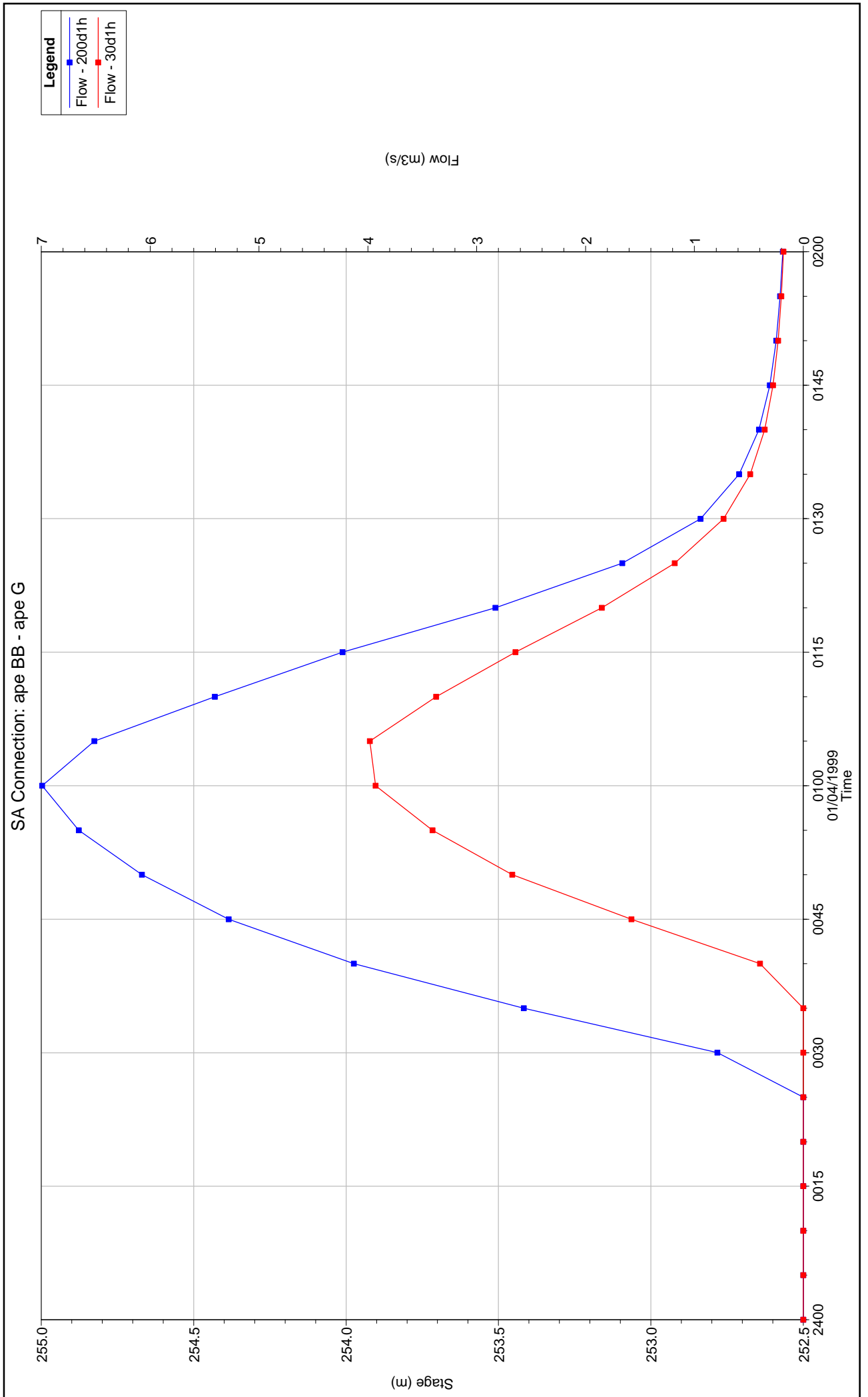


Legend
Flow - 200d1h
Flow - 30d1h

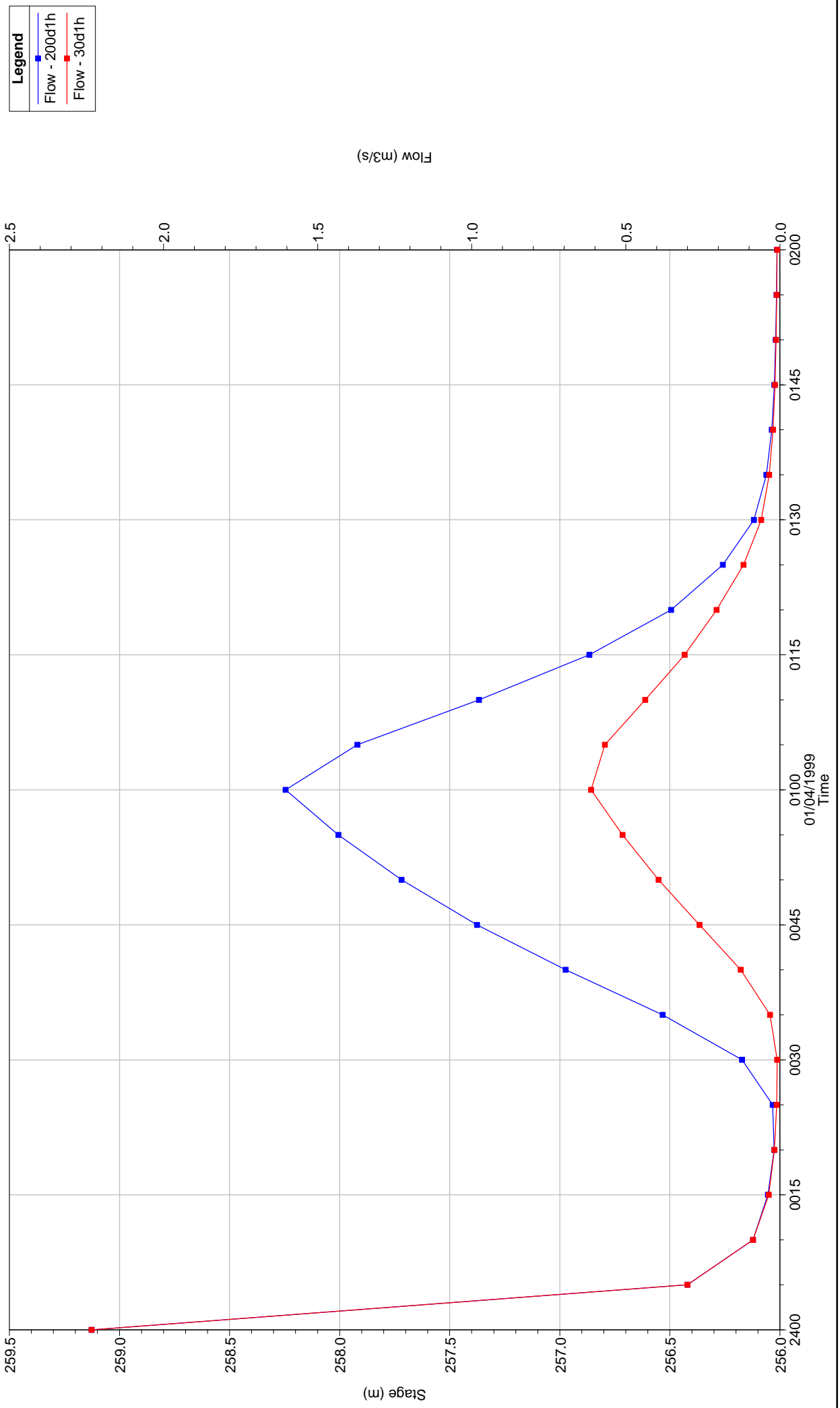


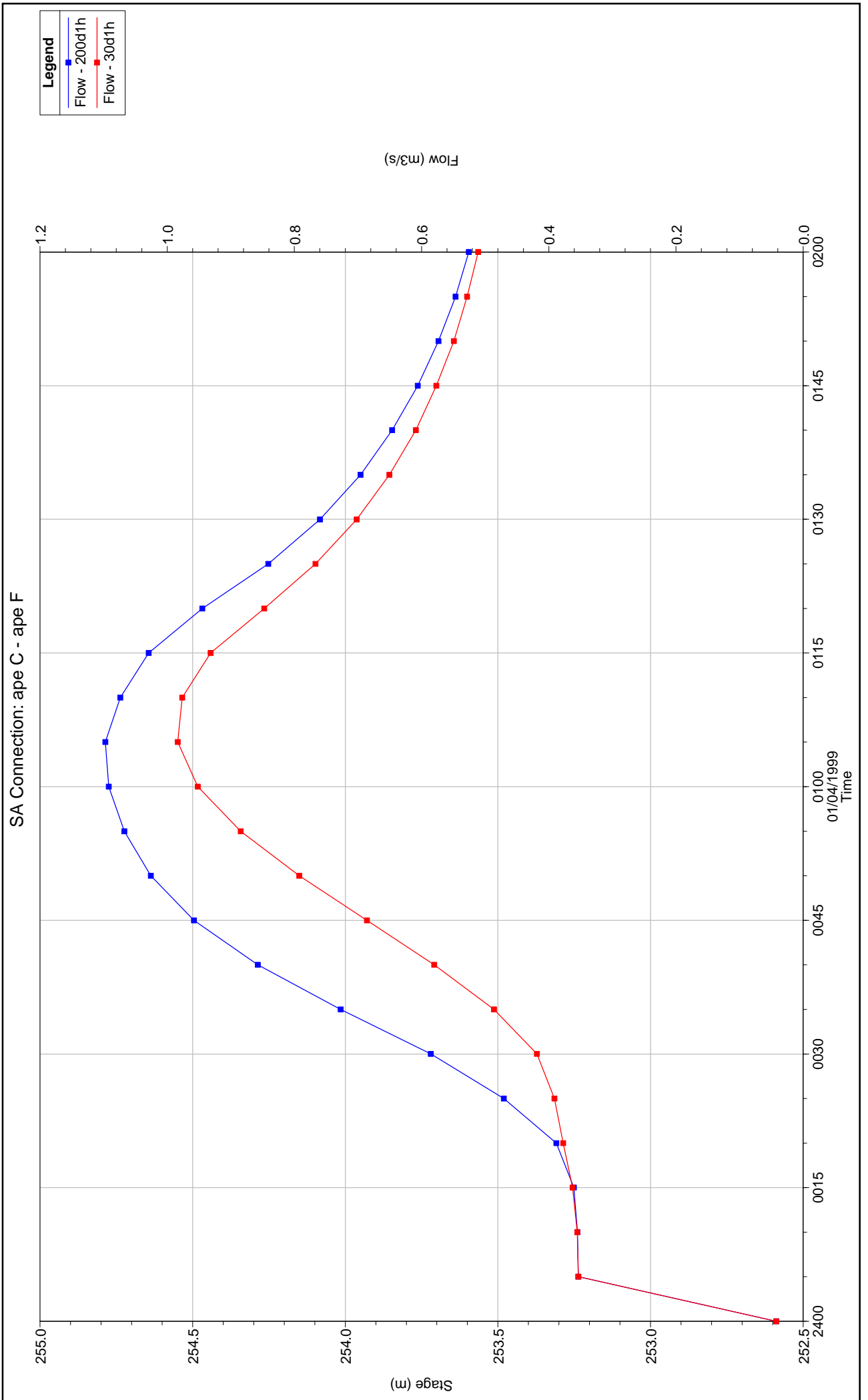
SA Connection: ape BB - ape FF

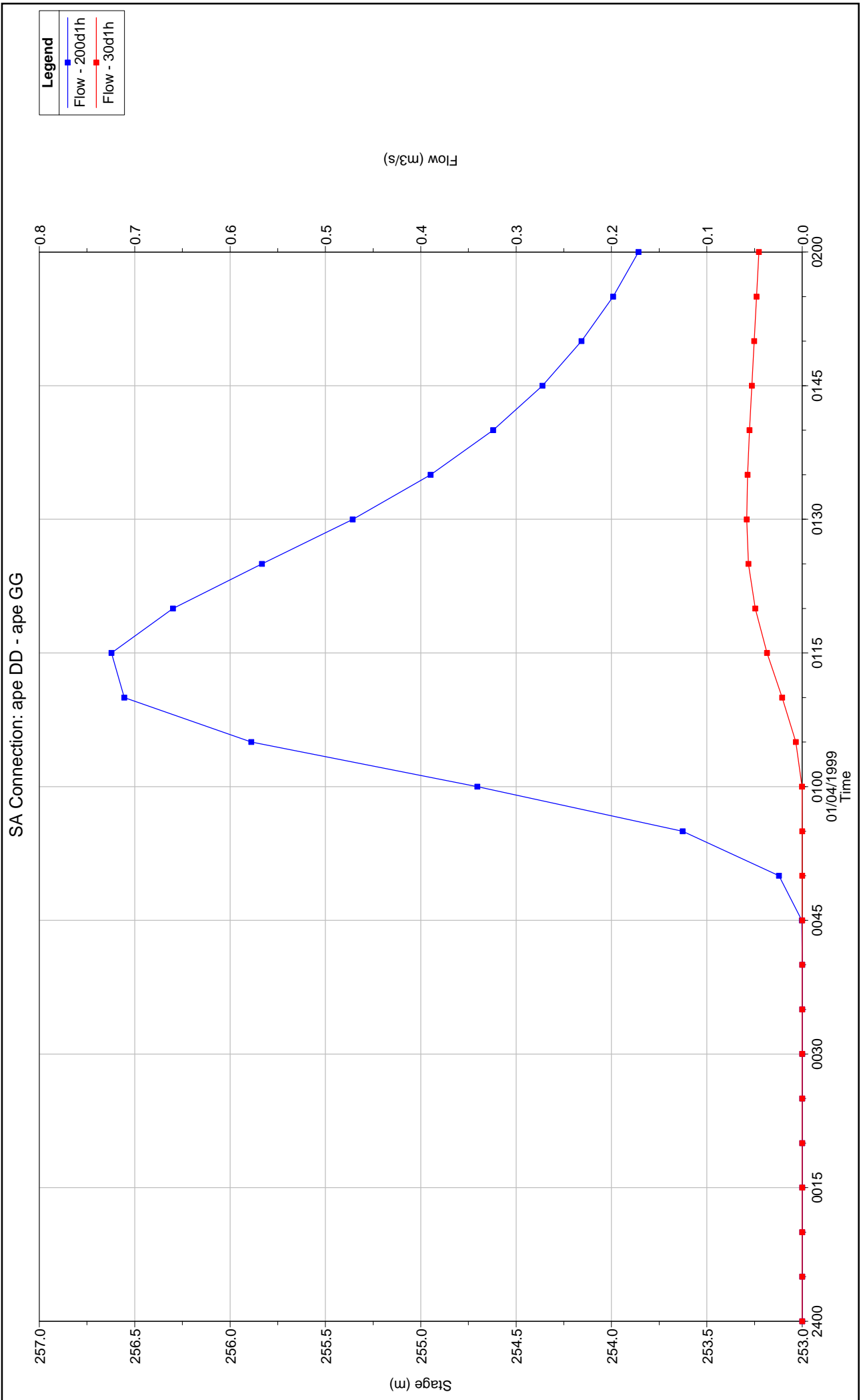




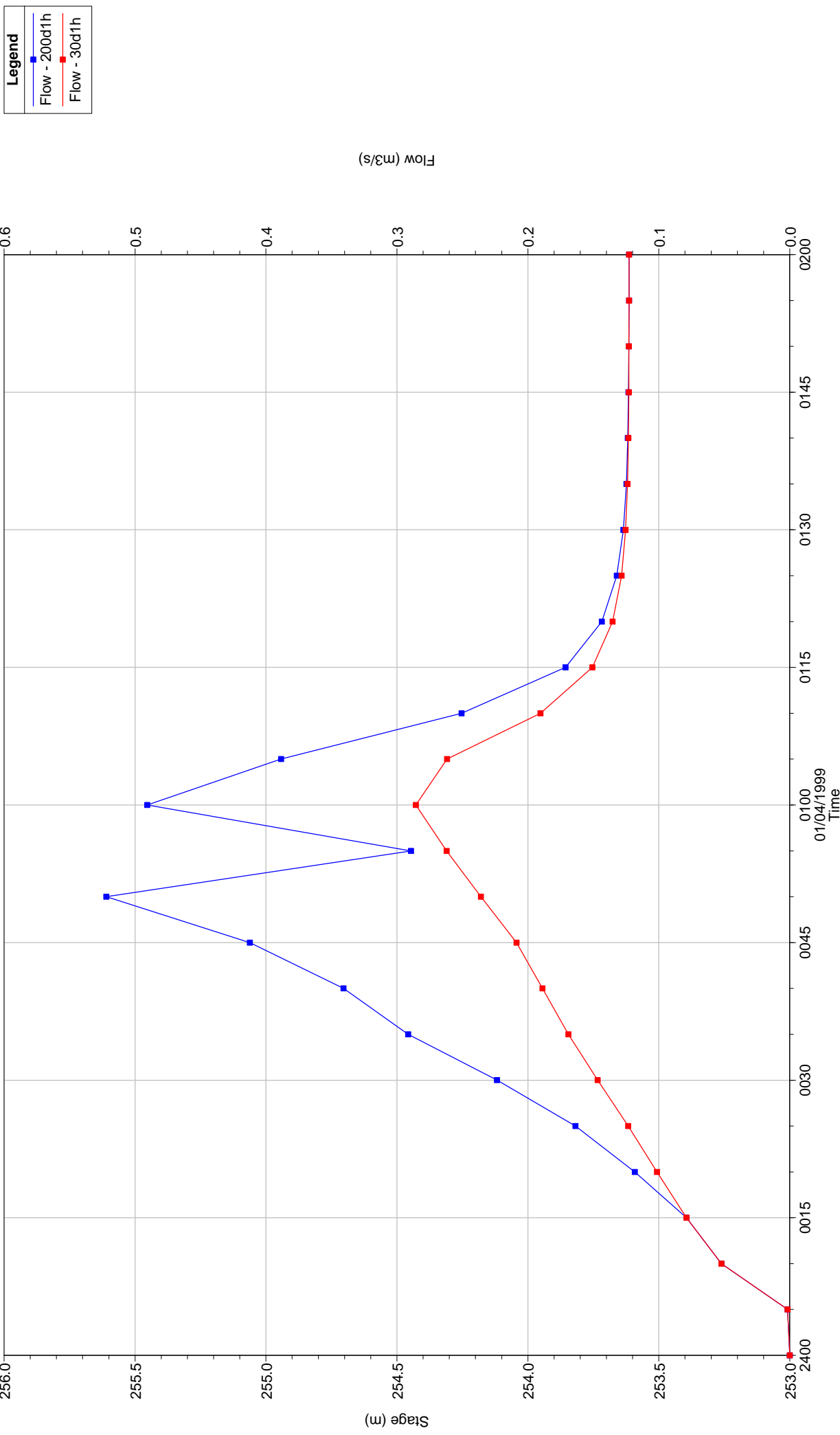
SA Connection: ape CC - ape DD



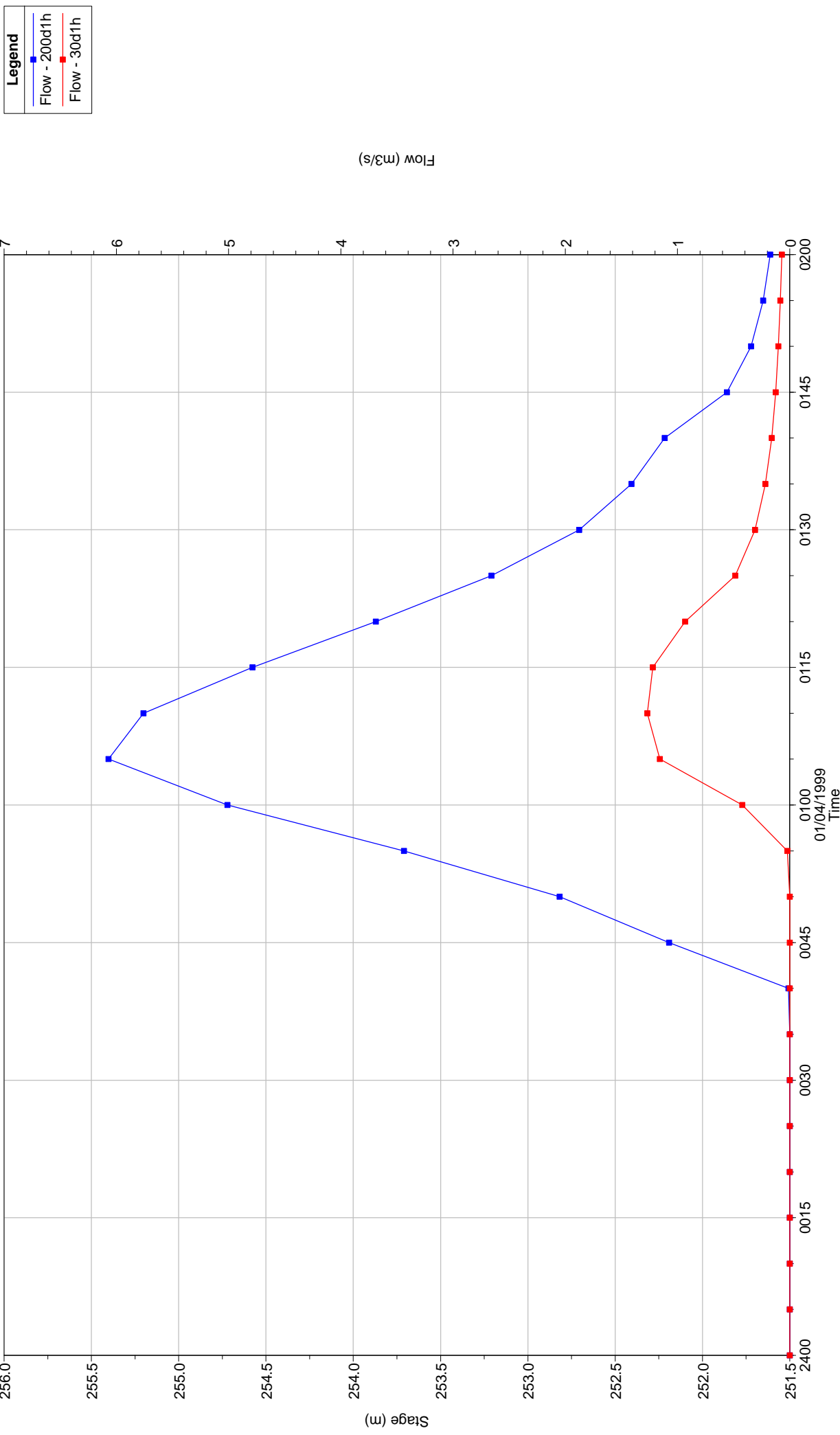




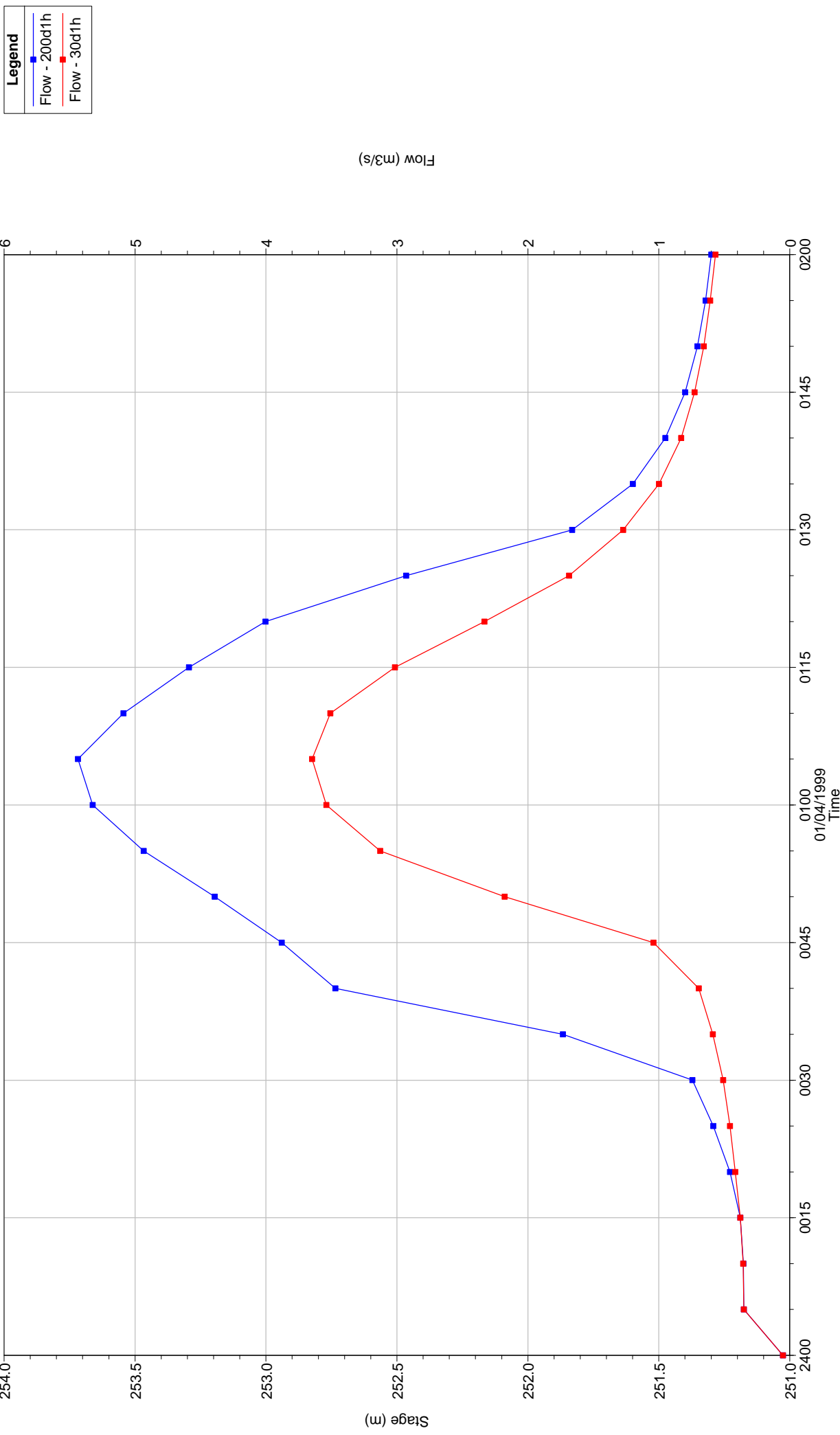
SA Connection: ape D - ape E

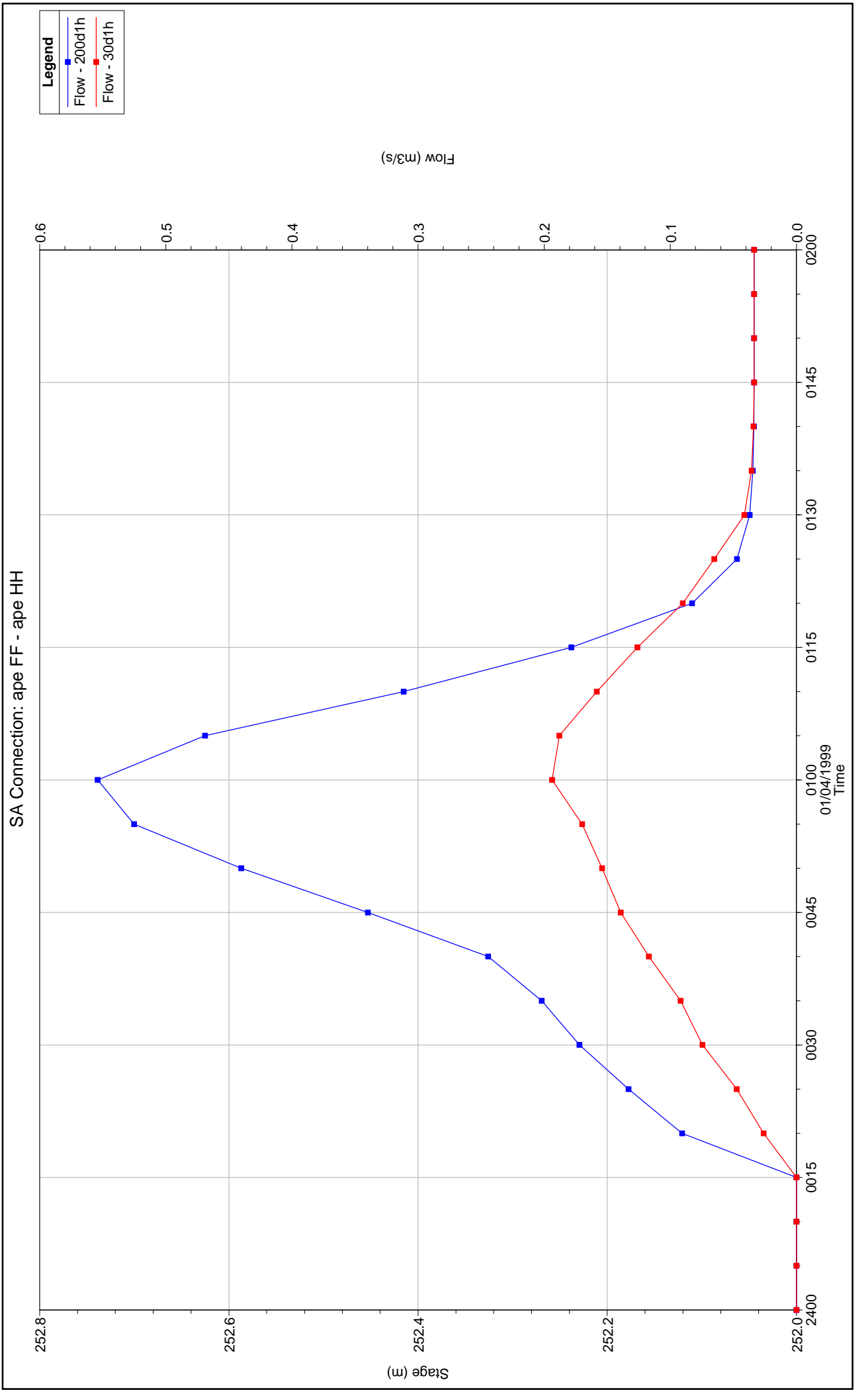


SA Connection: ape EE - ape Z

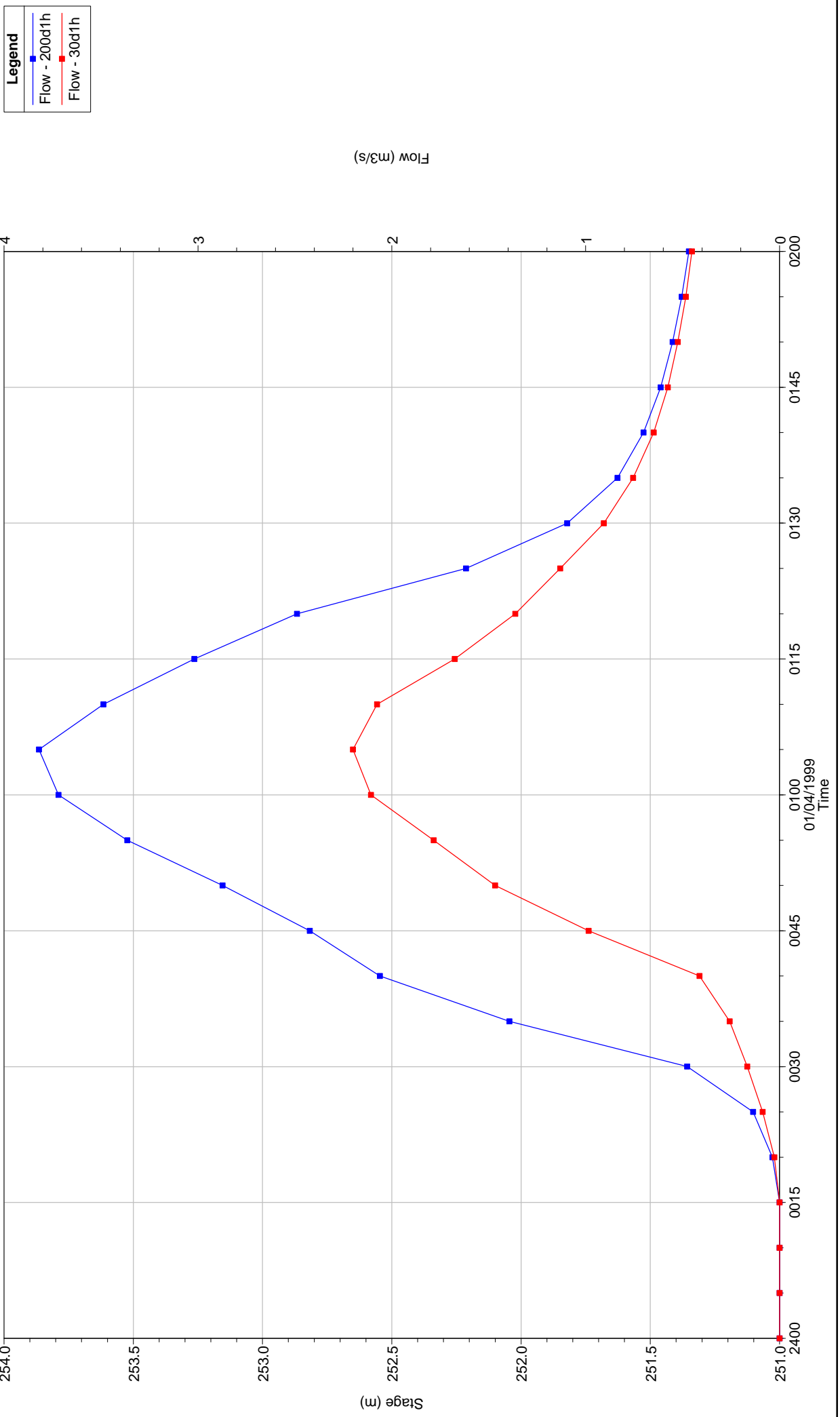


SA Connection: ape F - ape A

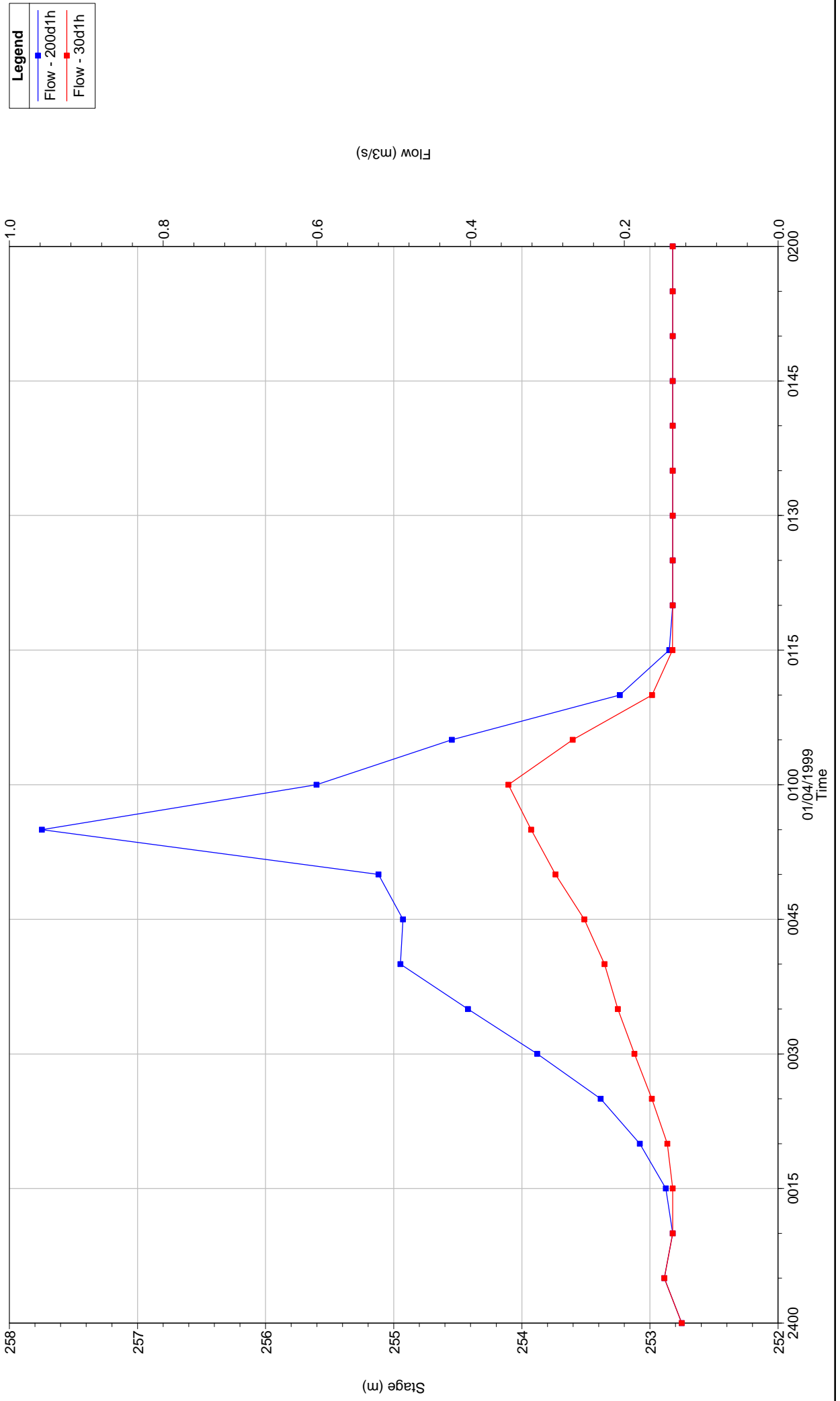


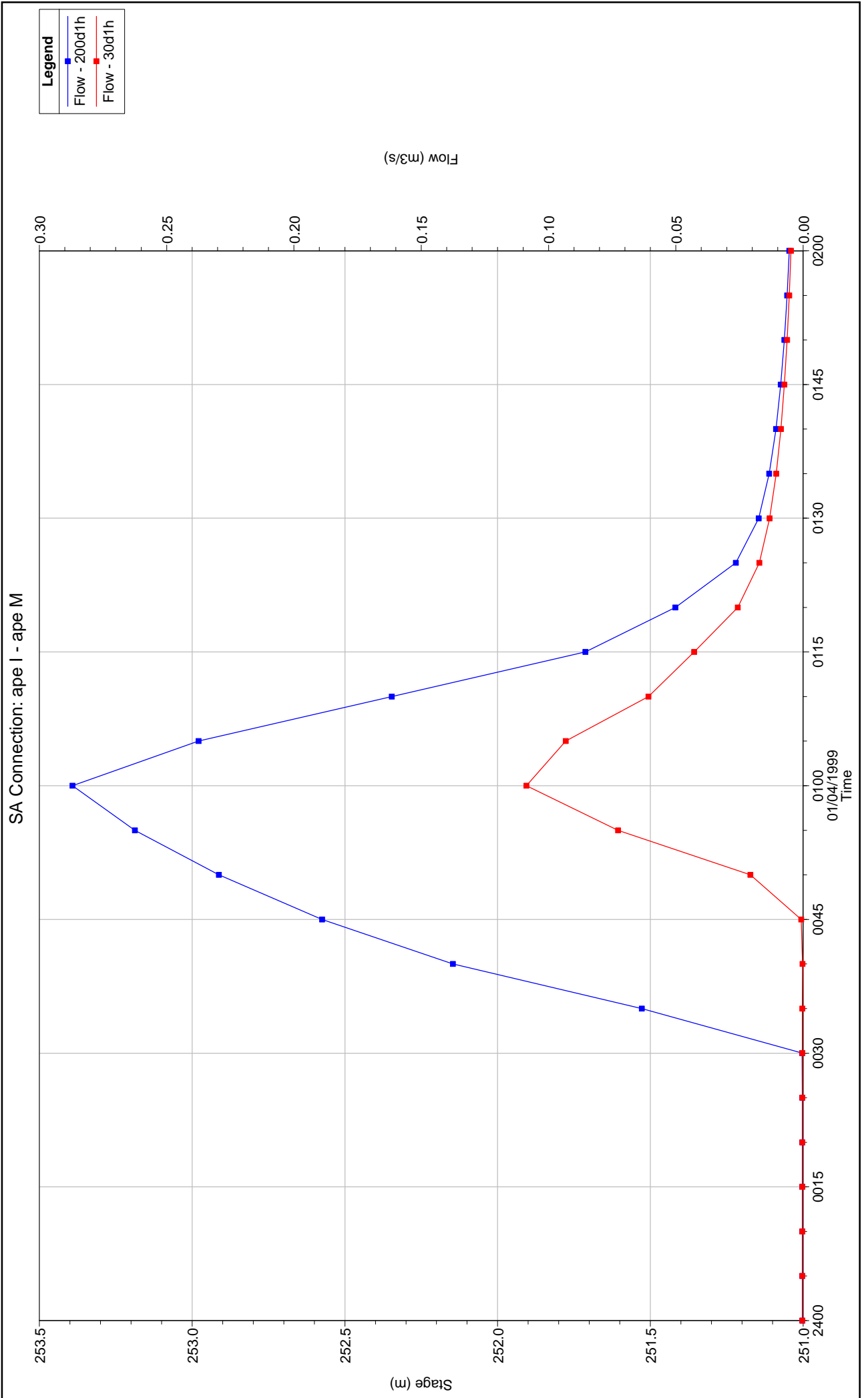


SA Connection: ape G - ape B

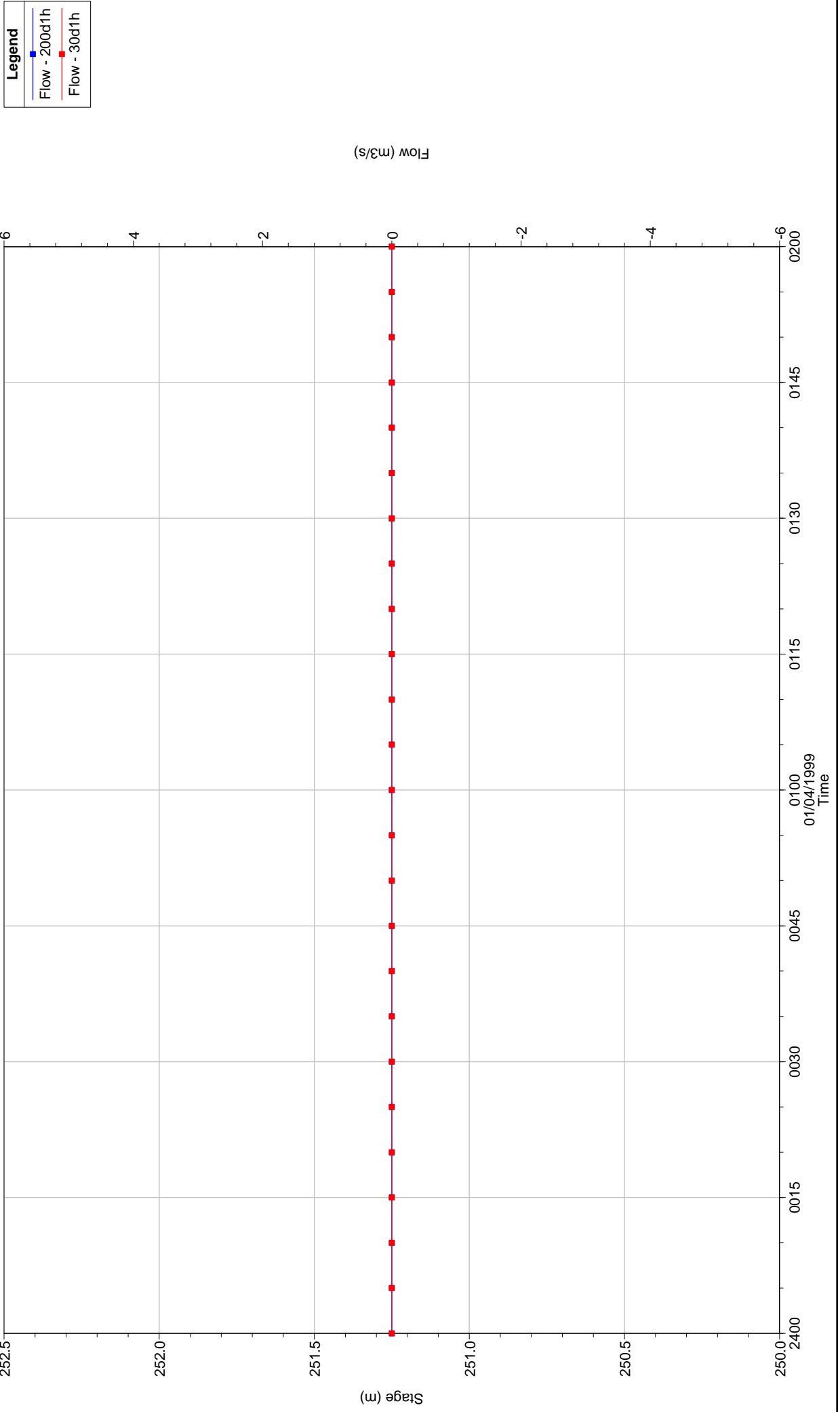


SA Connection: ape H - ape G

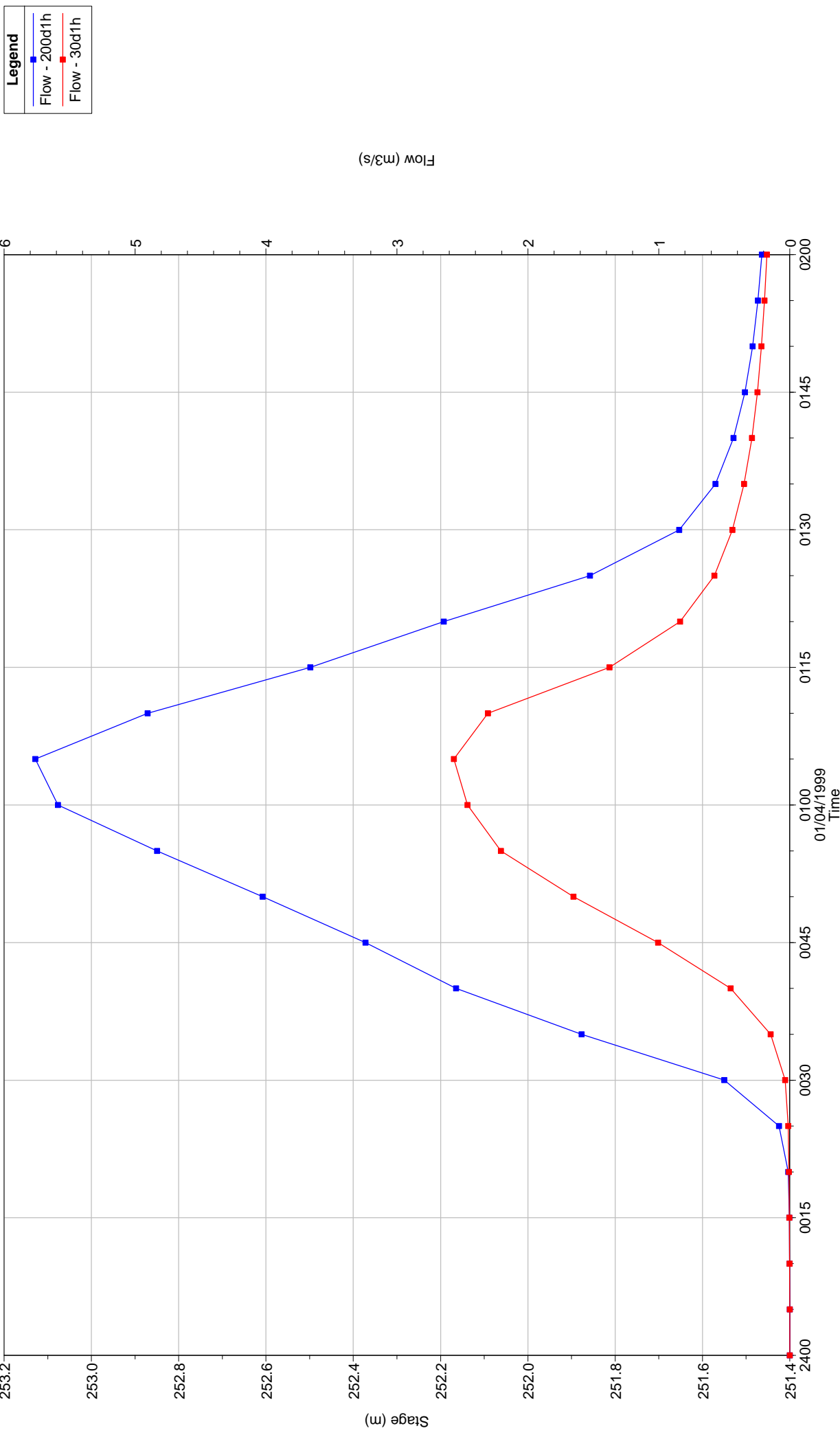




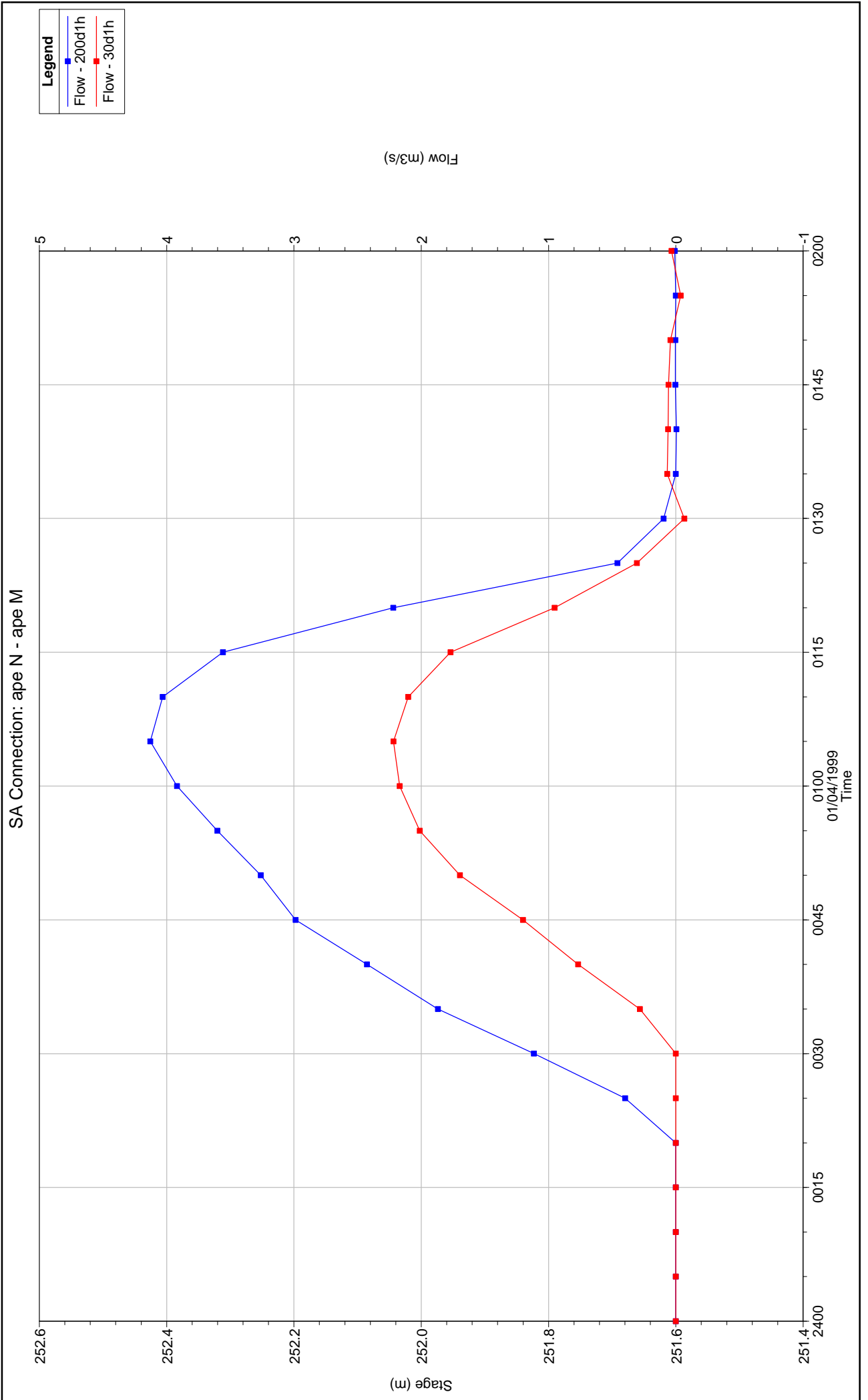
SA Connection: ape LL - ape MM

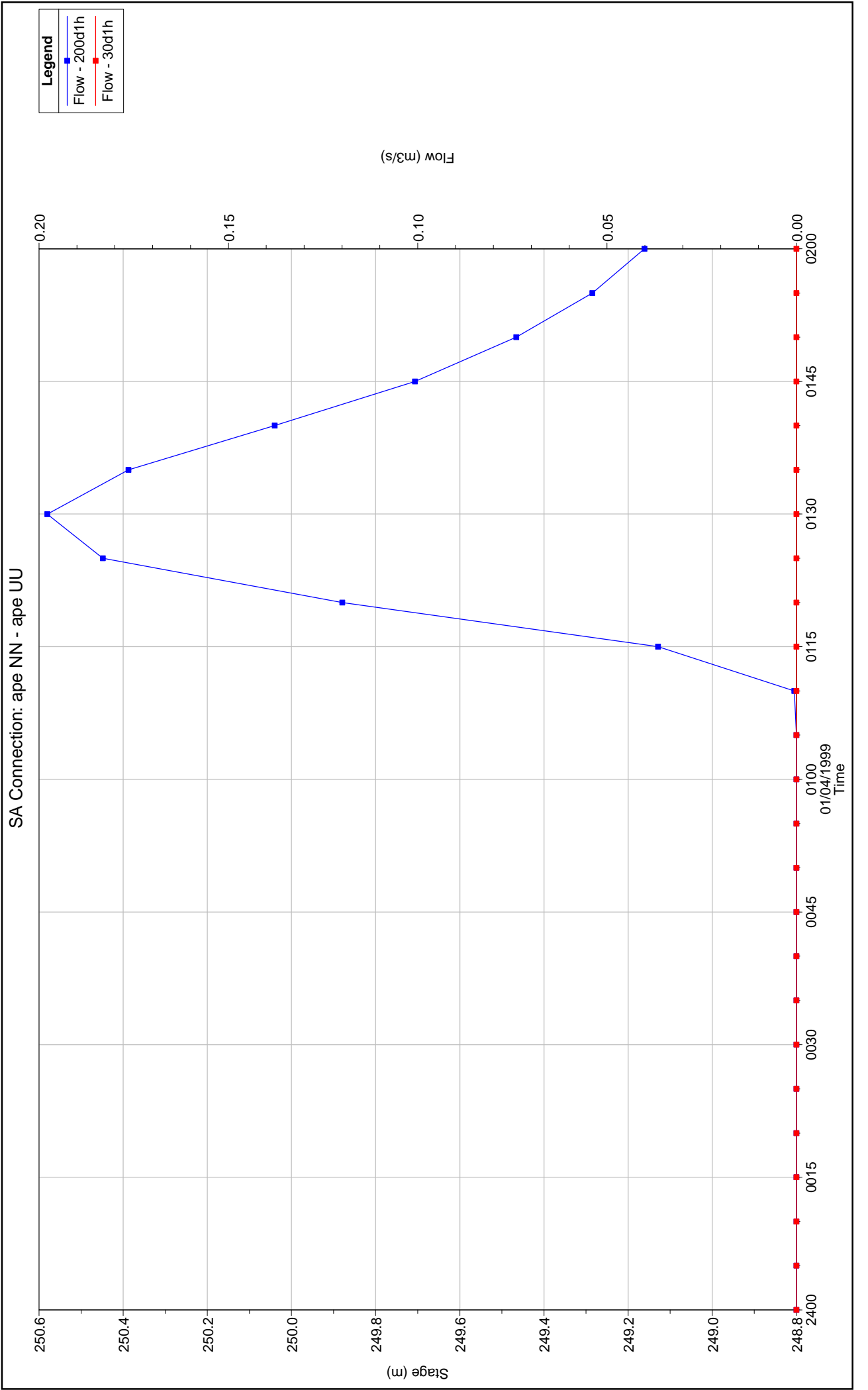


SA Connection: ape L - ape M

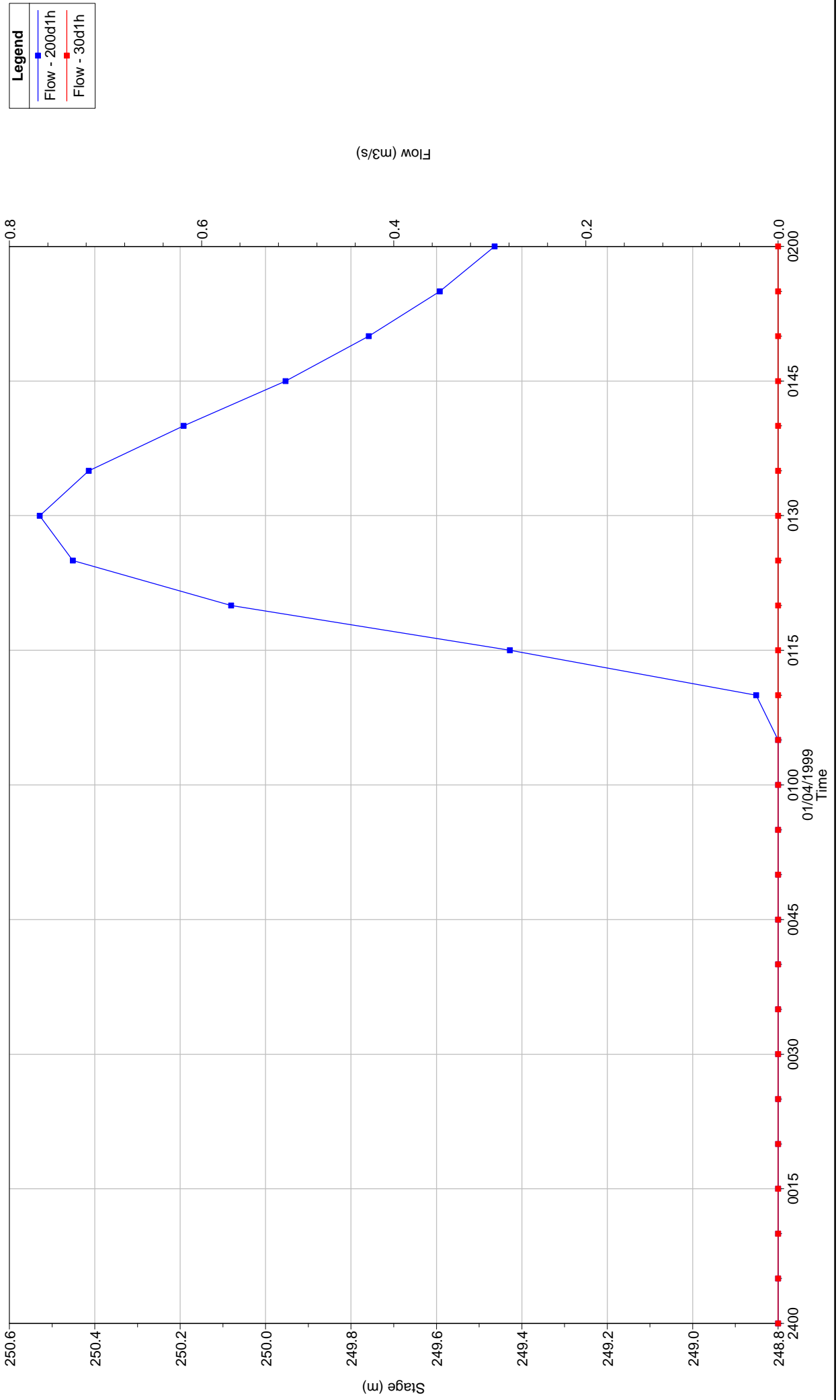


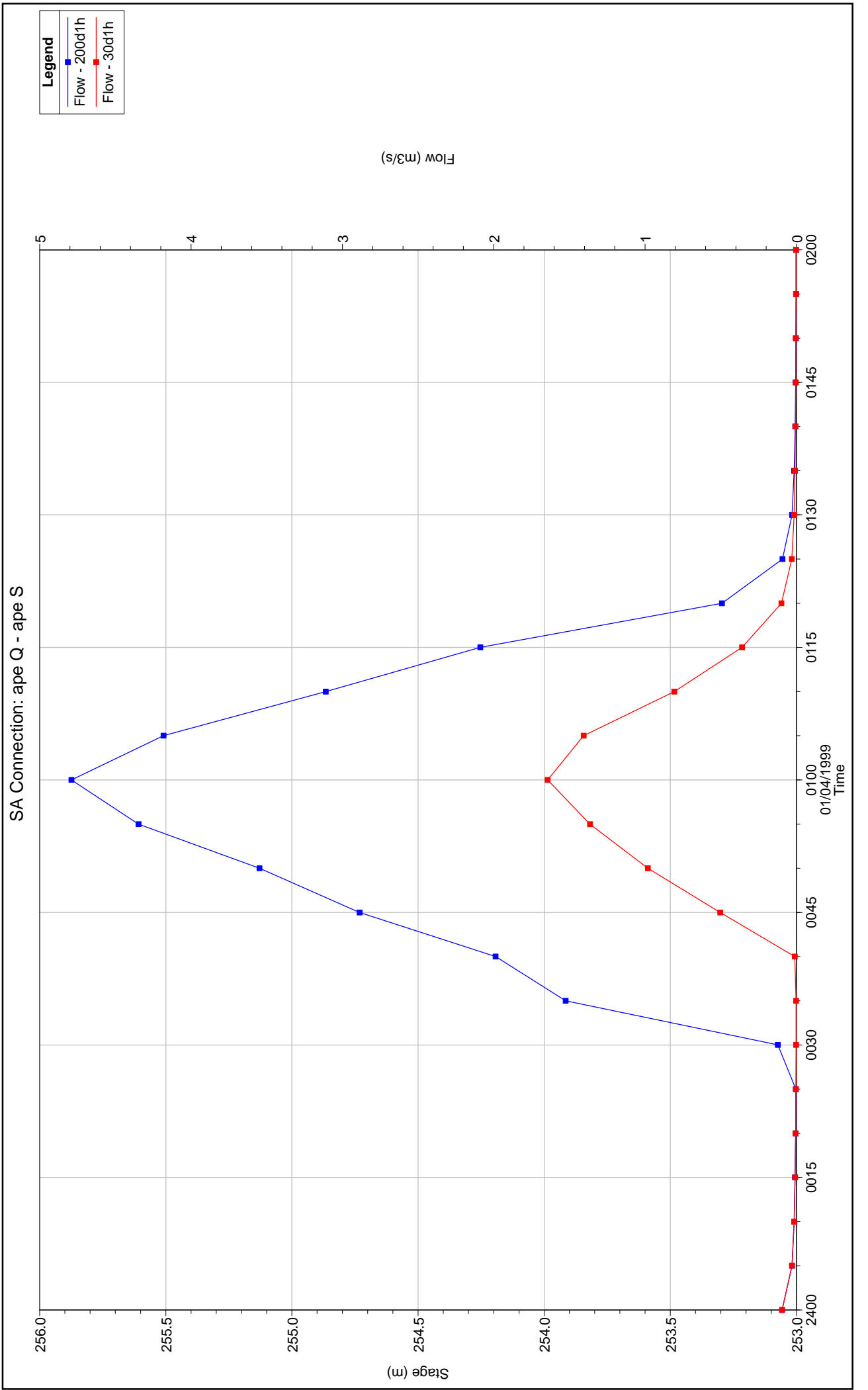
Legend
Flow - 200d1h
Flow - 30d1h

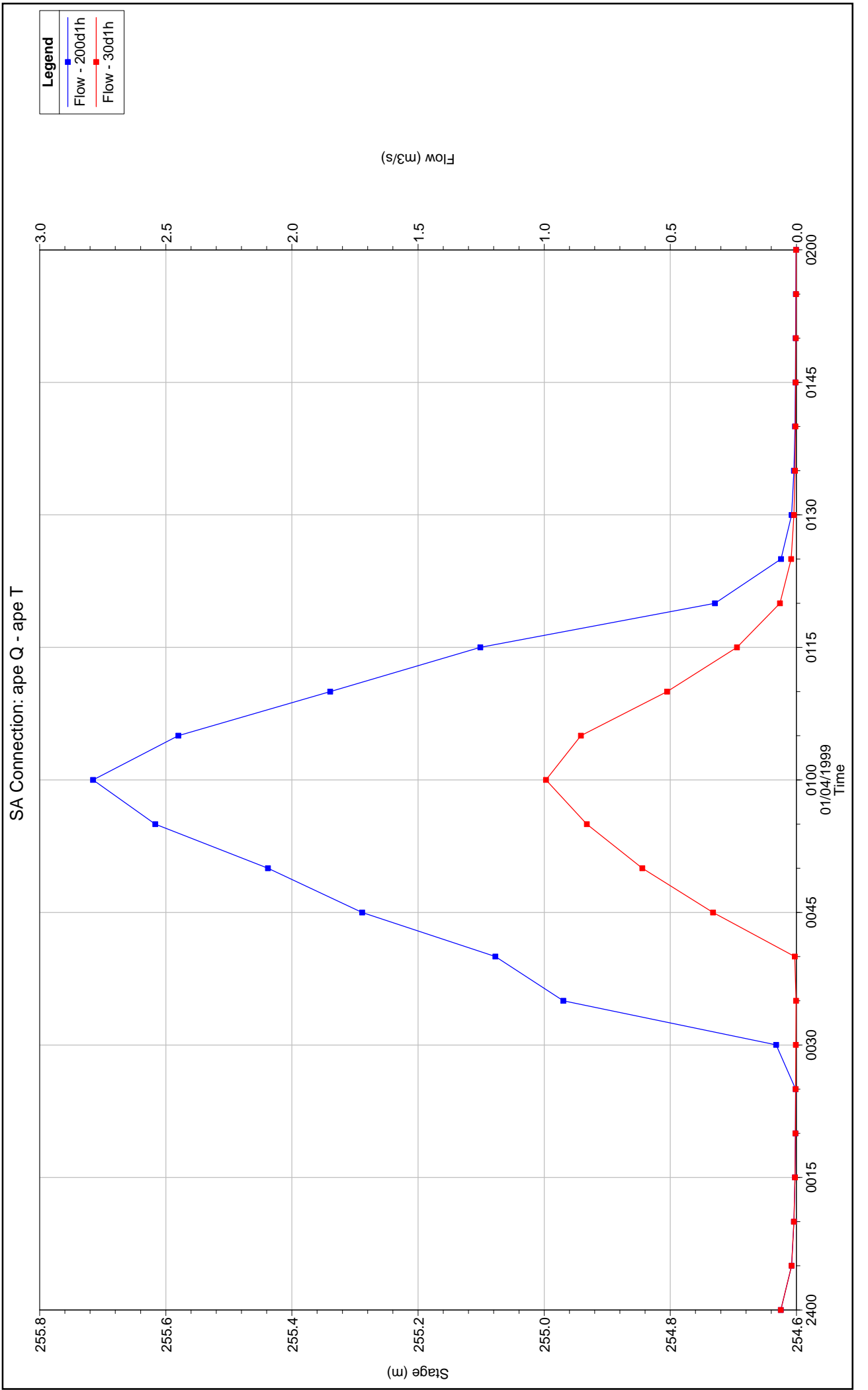


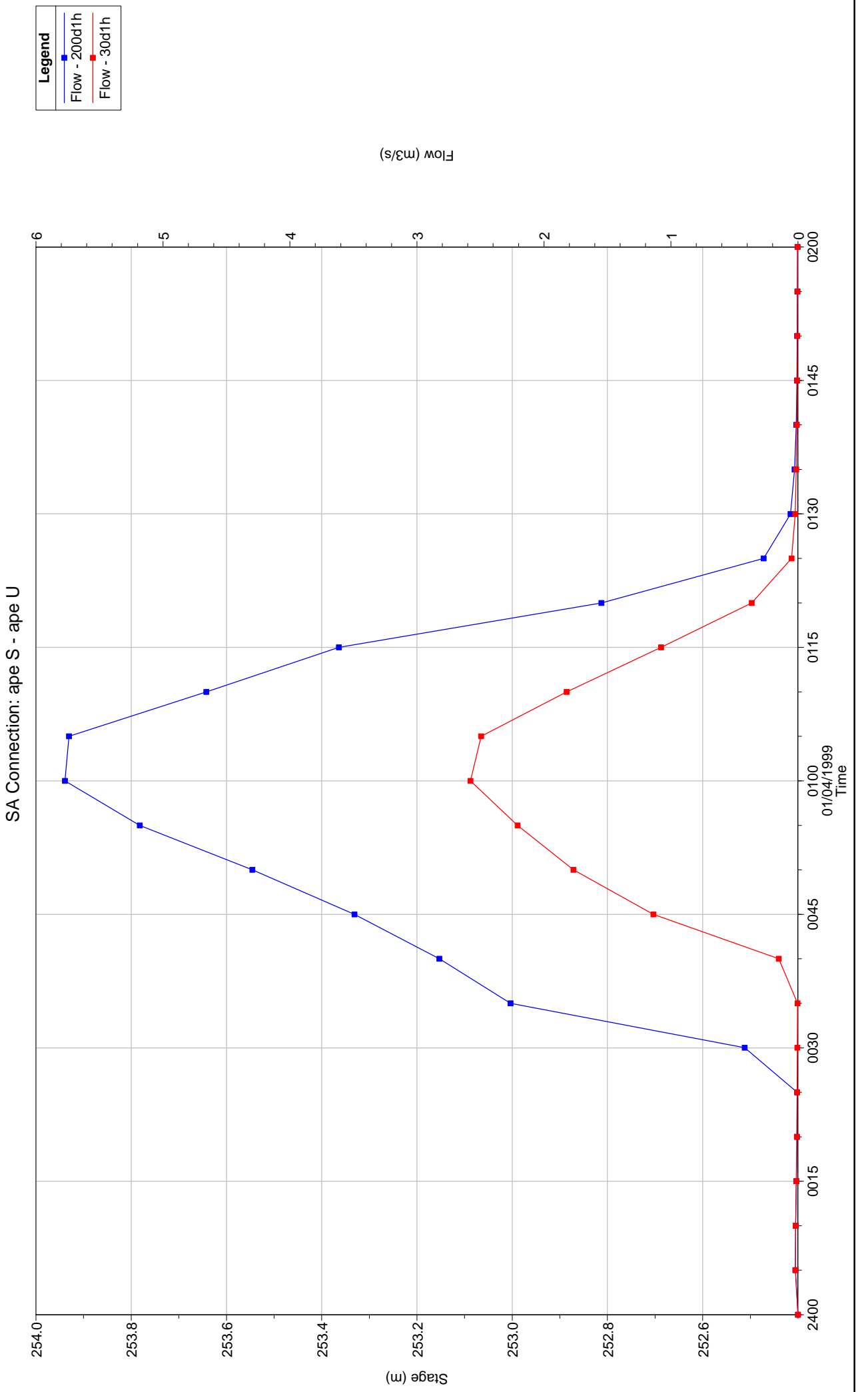


SA Connection: ape NN - ape VV

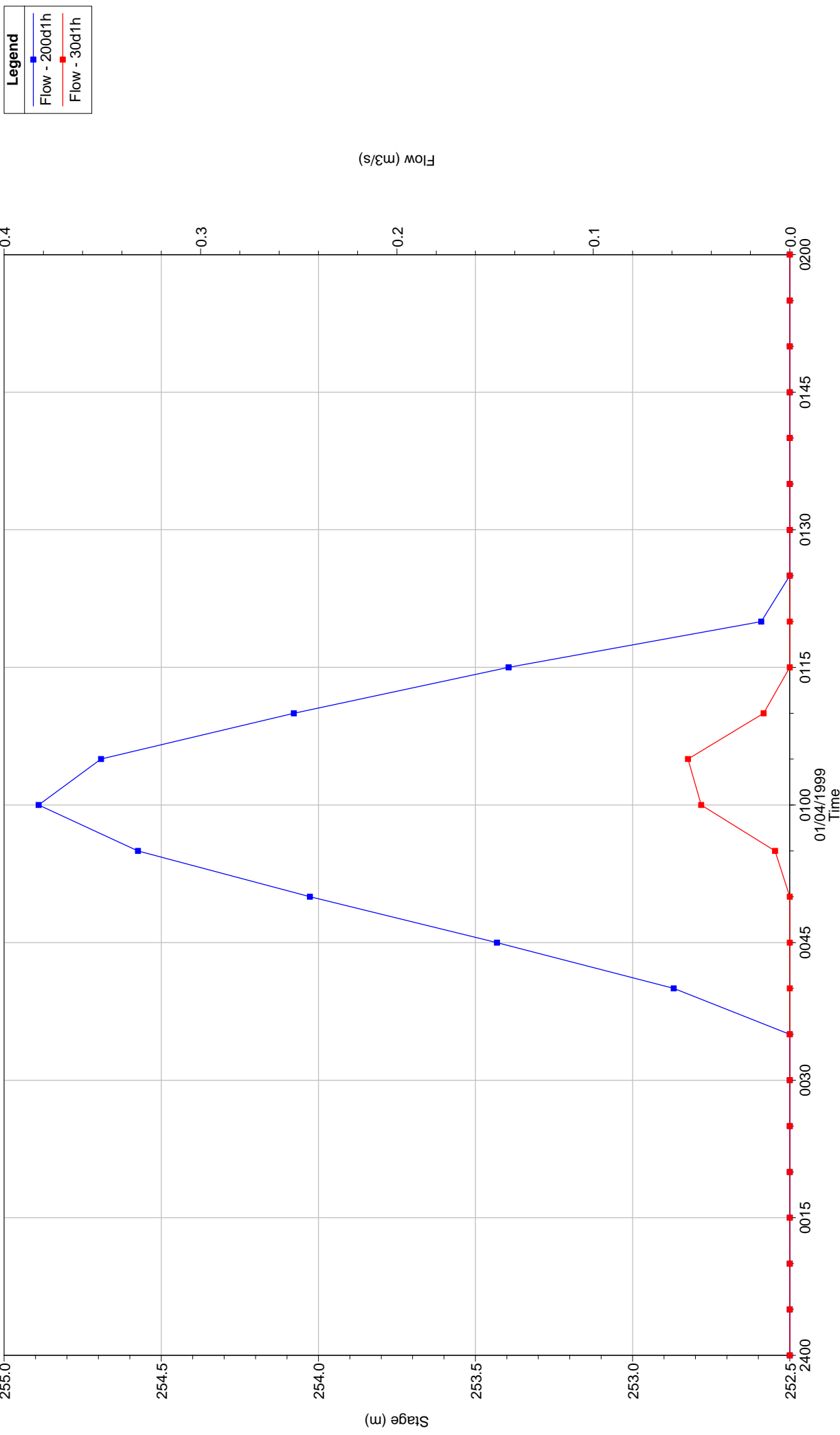


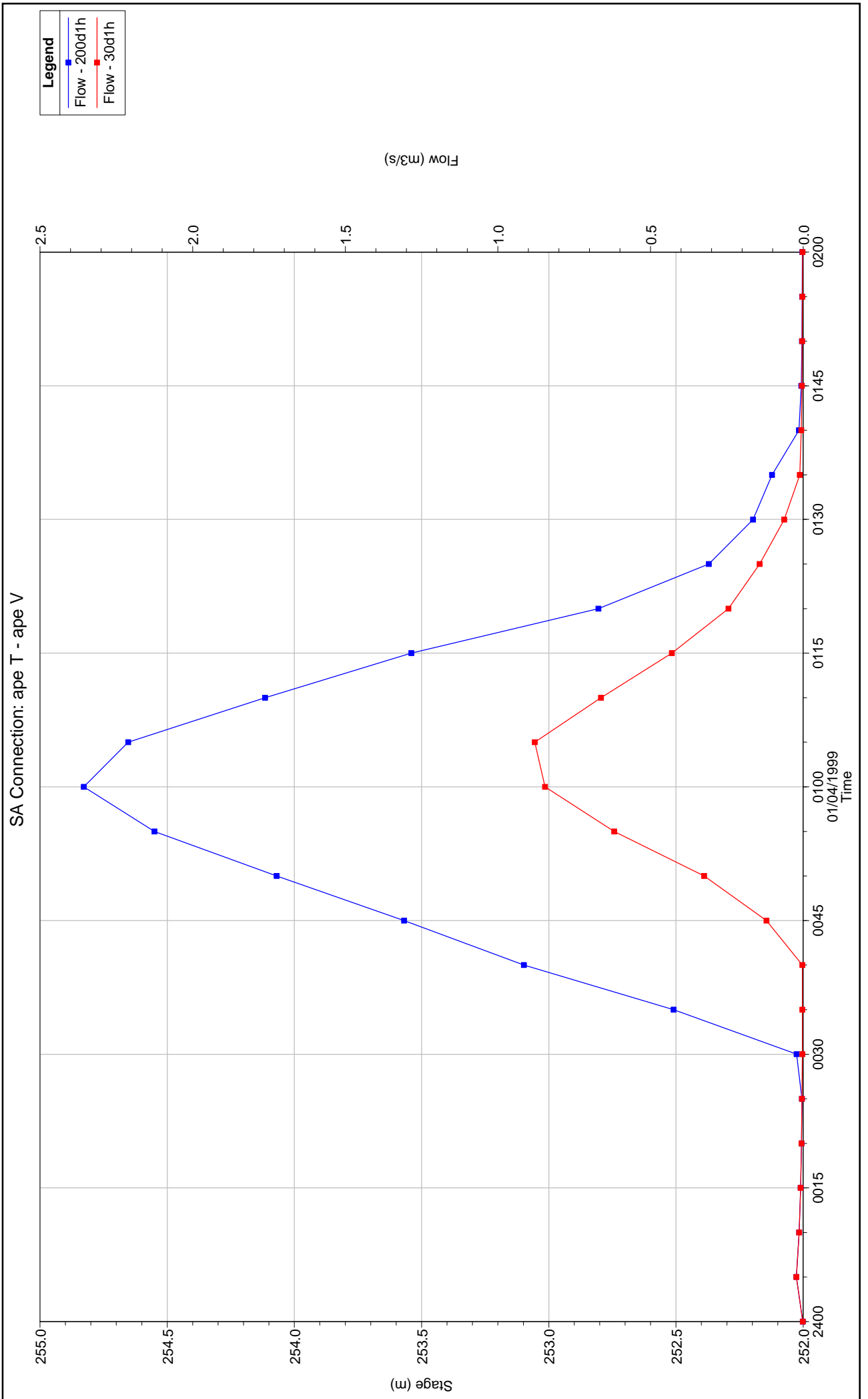




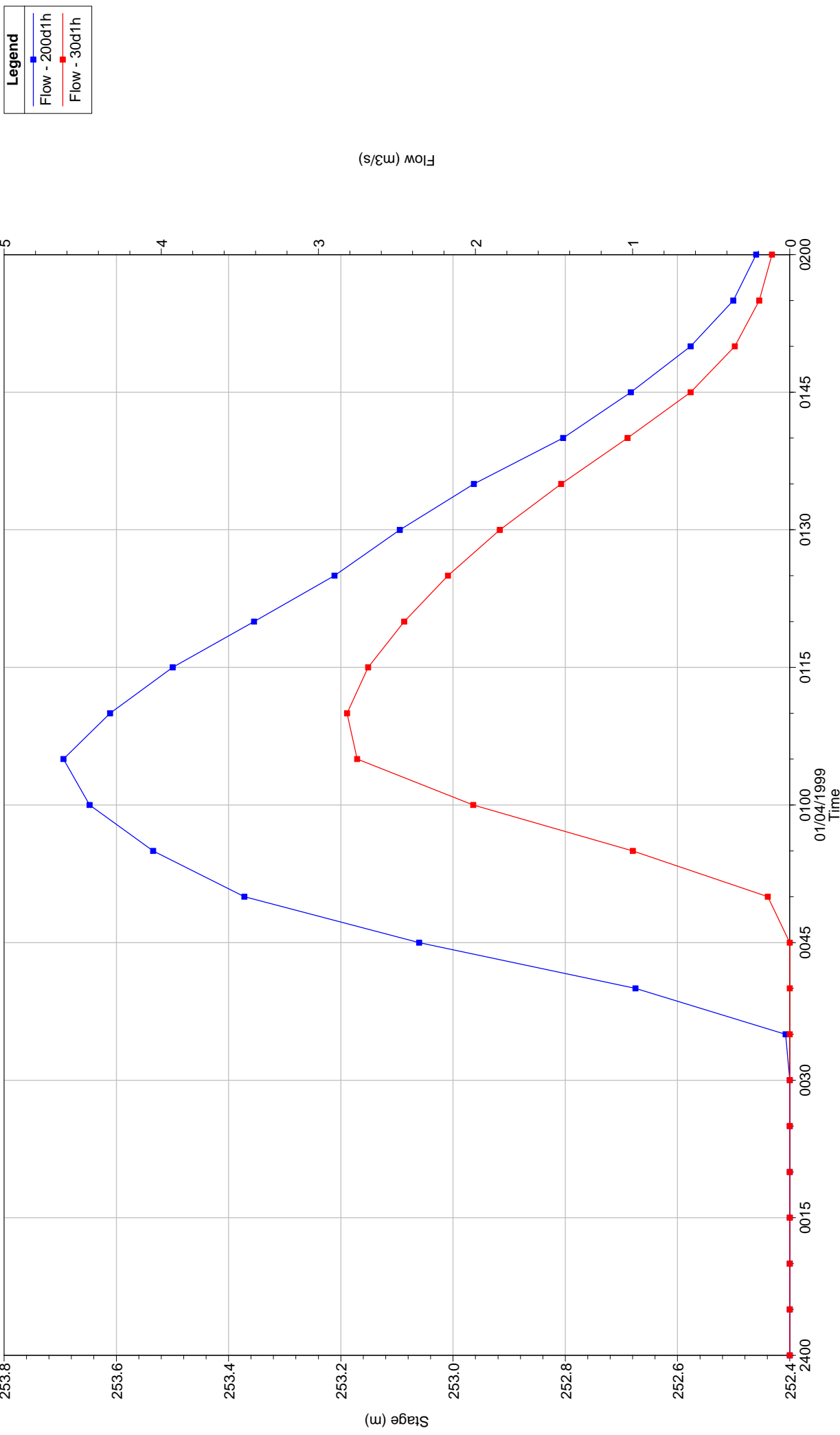


SA Connection: ape T - ape U

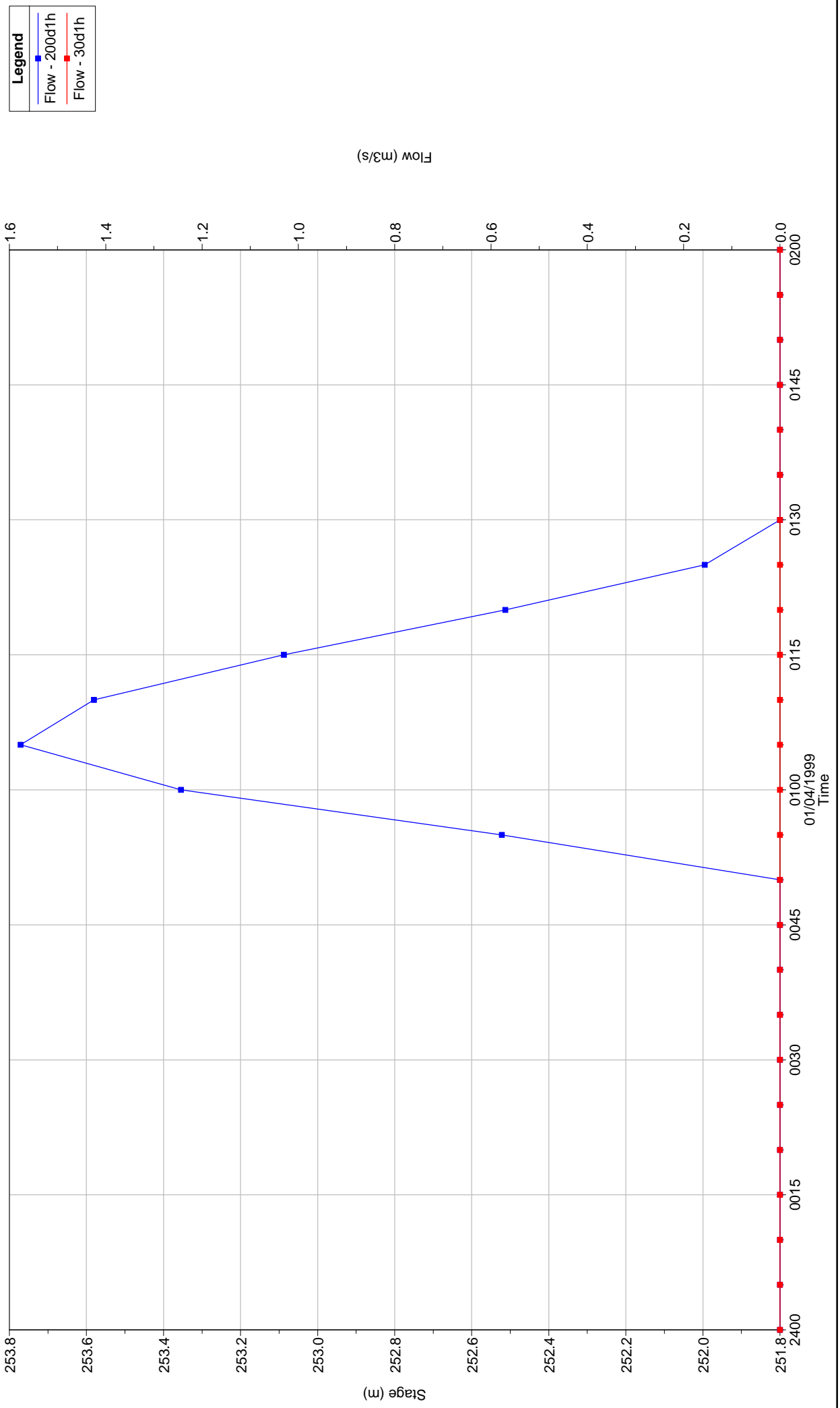


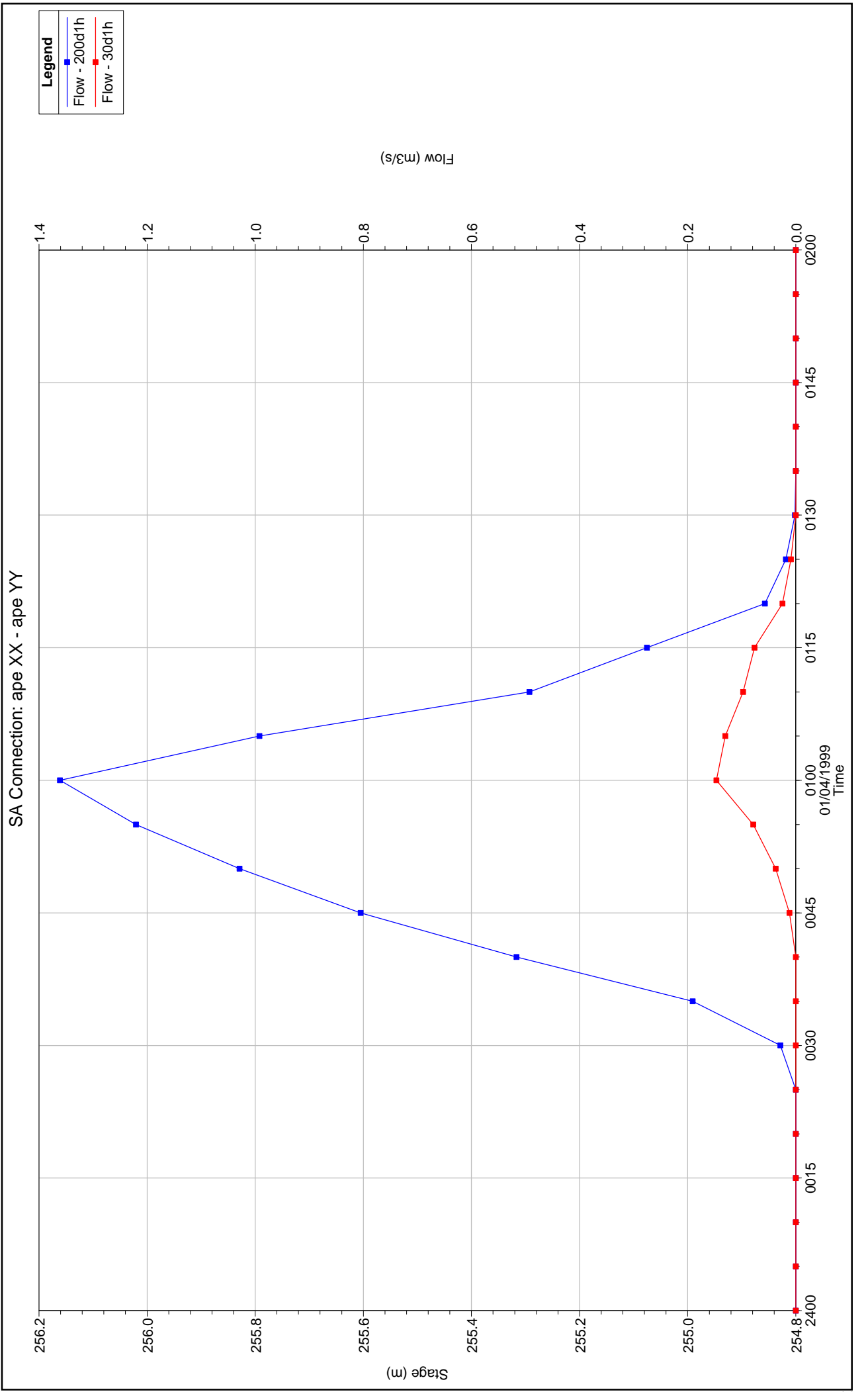


SA Connection: ape U - ape V

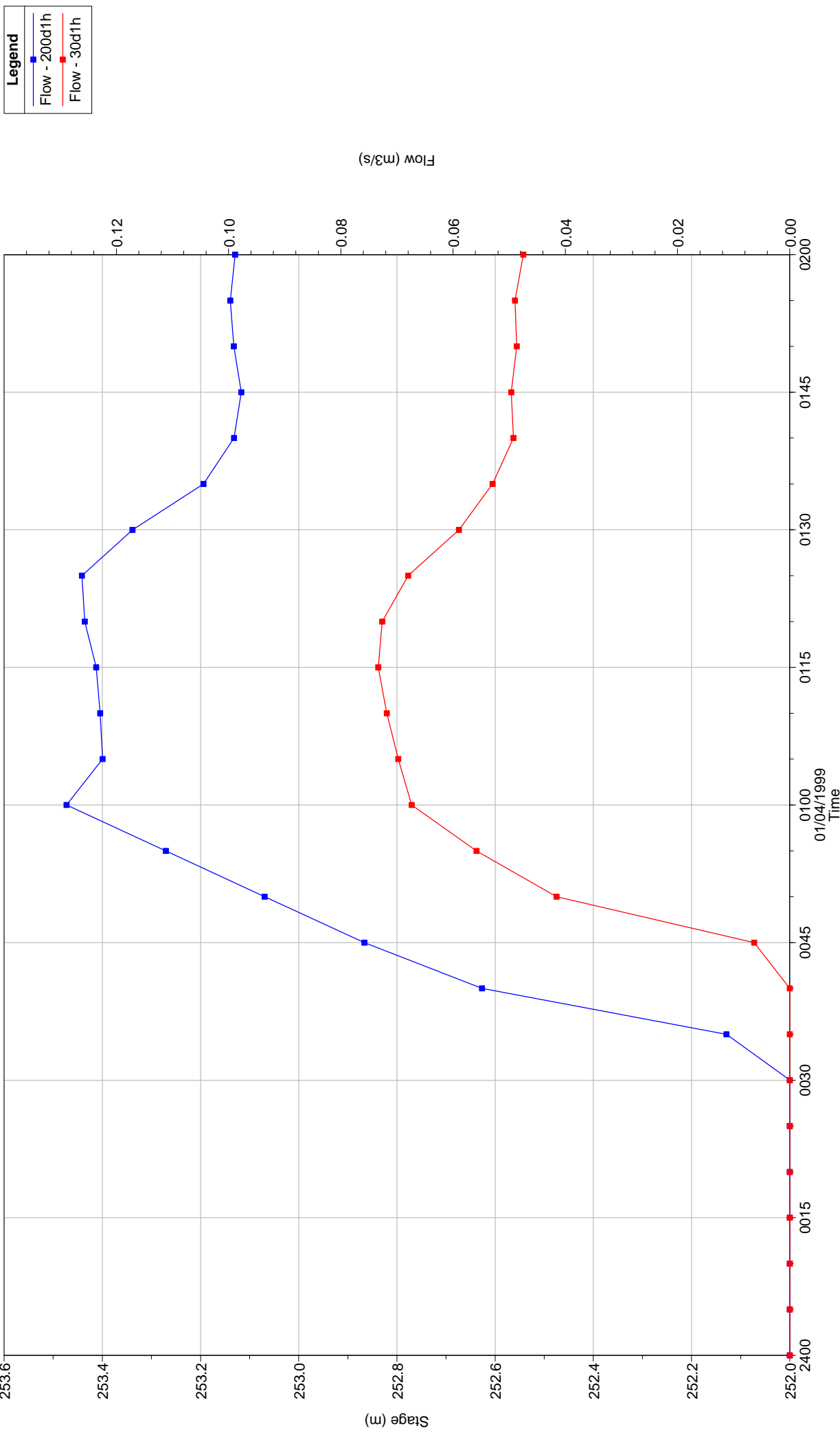


SA Connection: ape V - ape Z

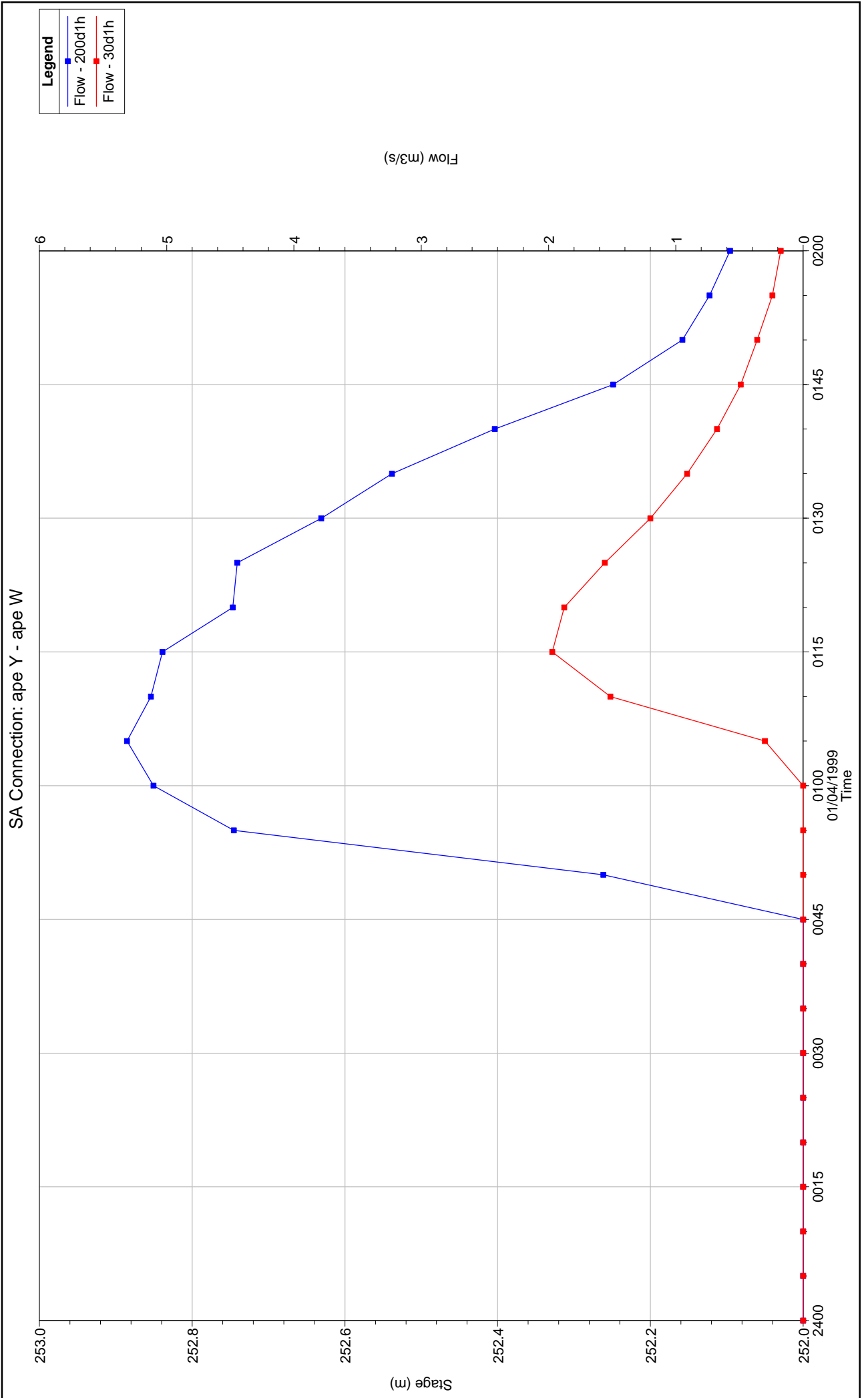




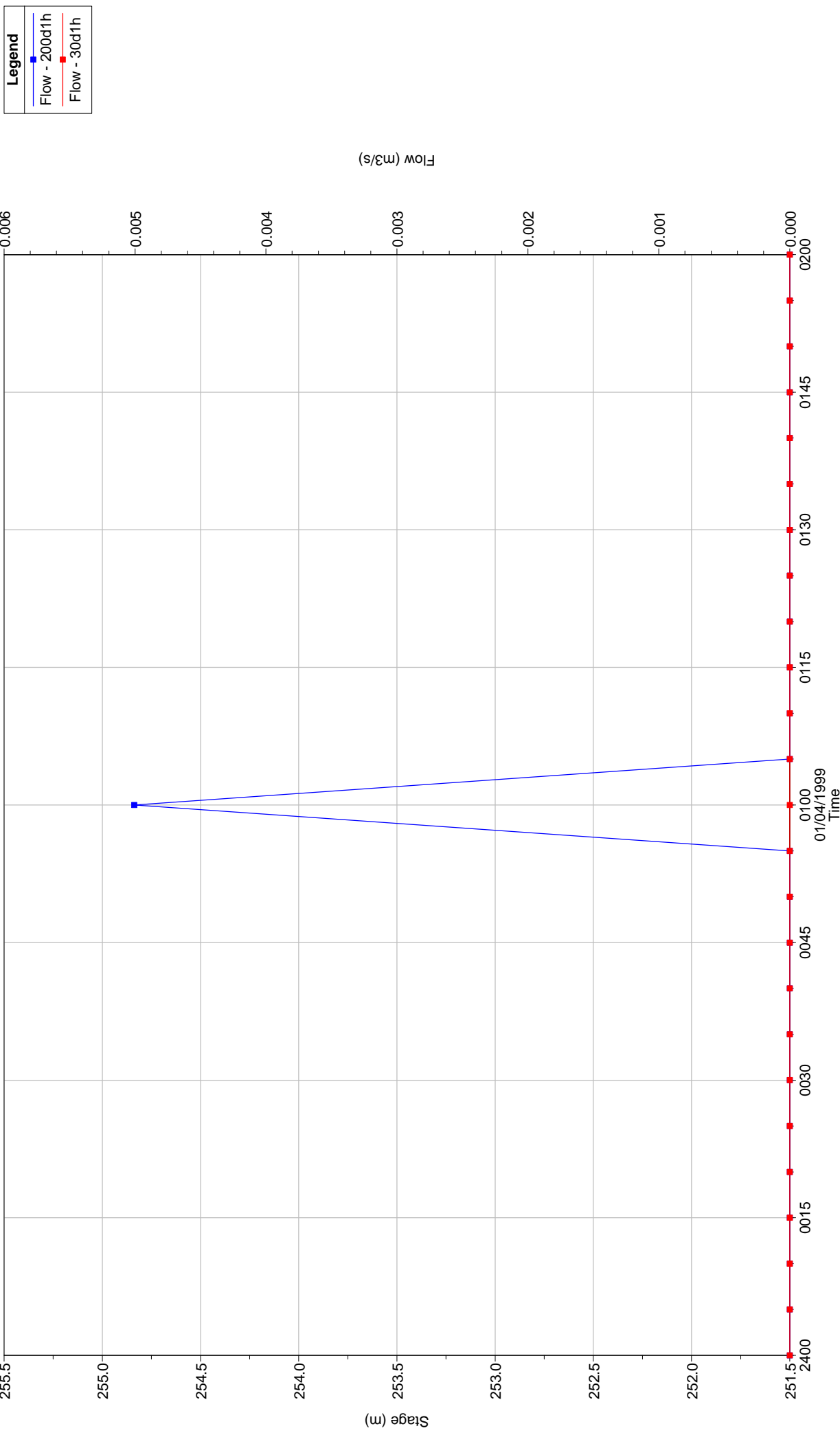
SA Connection: ape X - ape Y

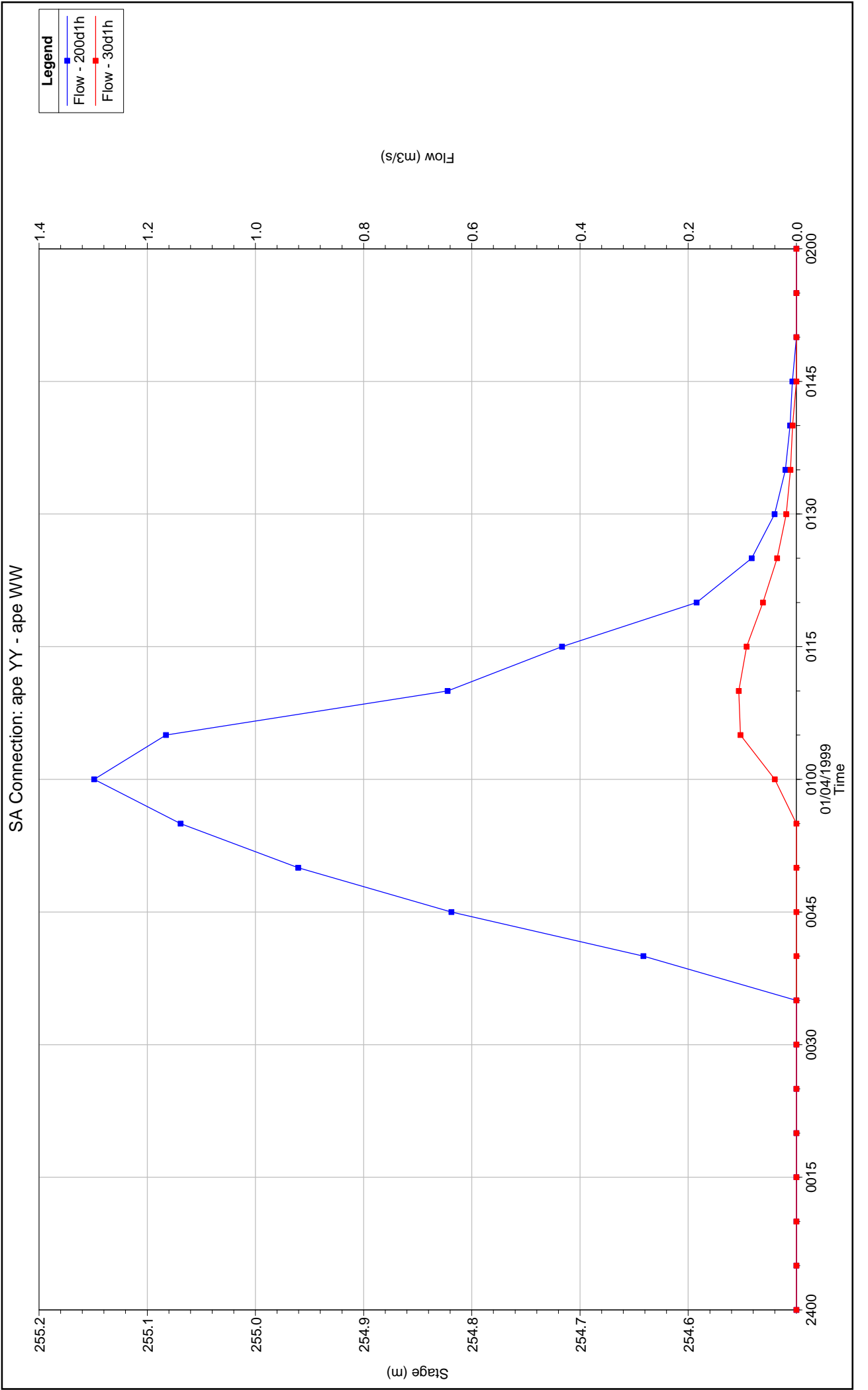


Legend
Flow - 200d1h
Flow - 30d1h

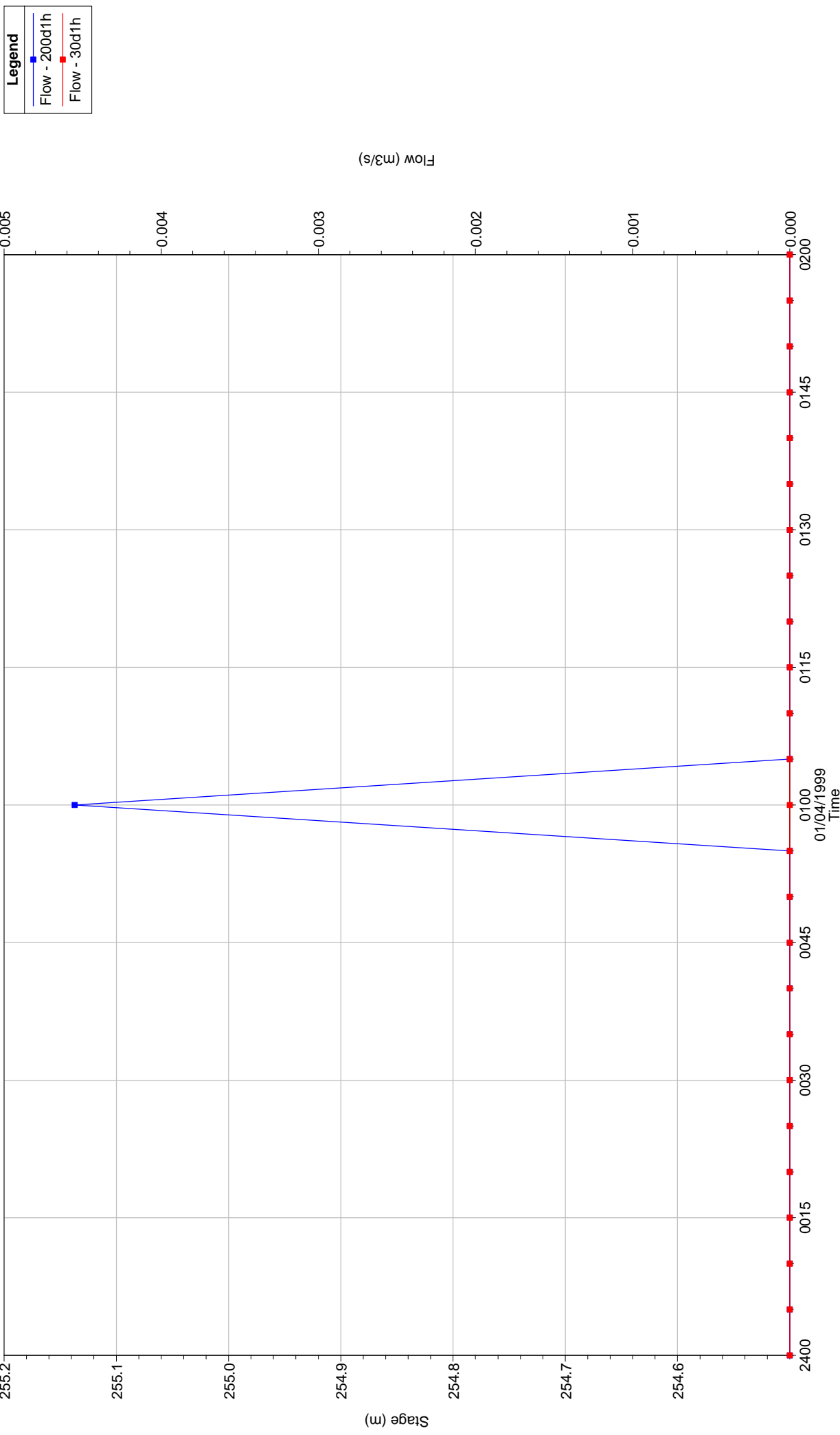


SA Connection: ape YY - ape N

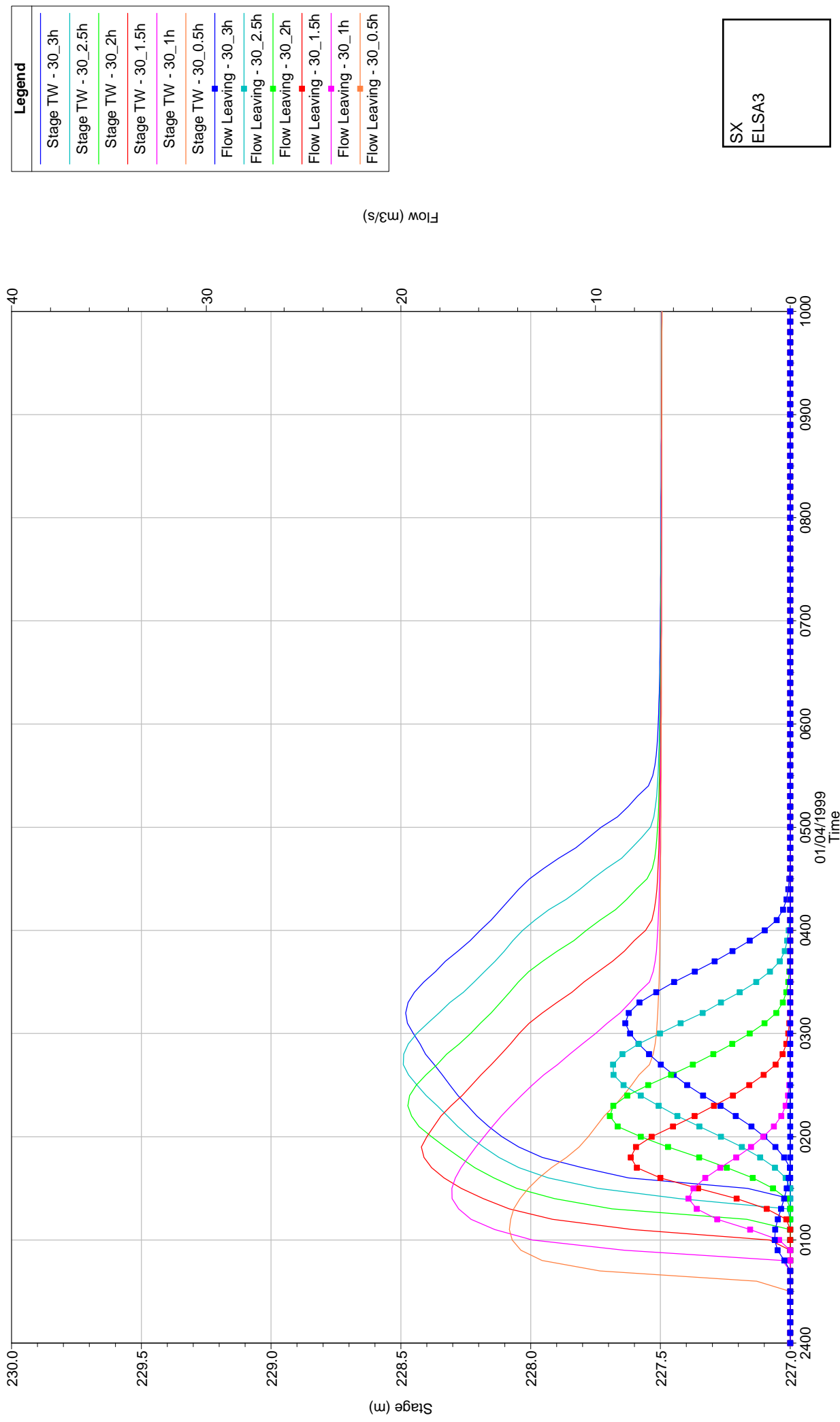




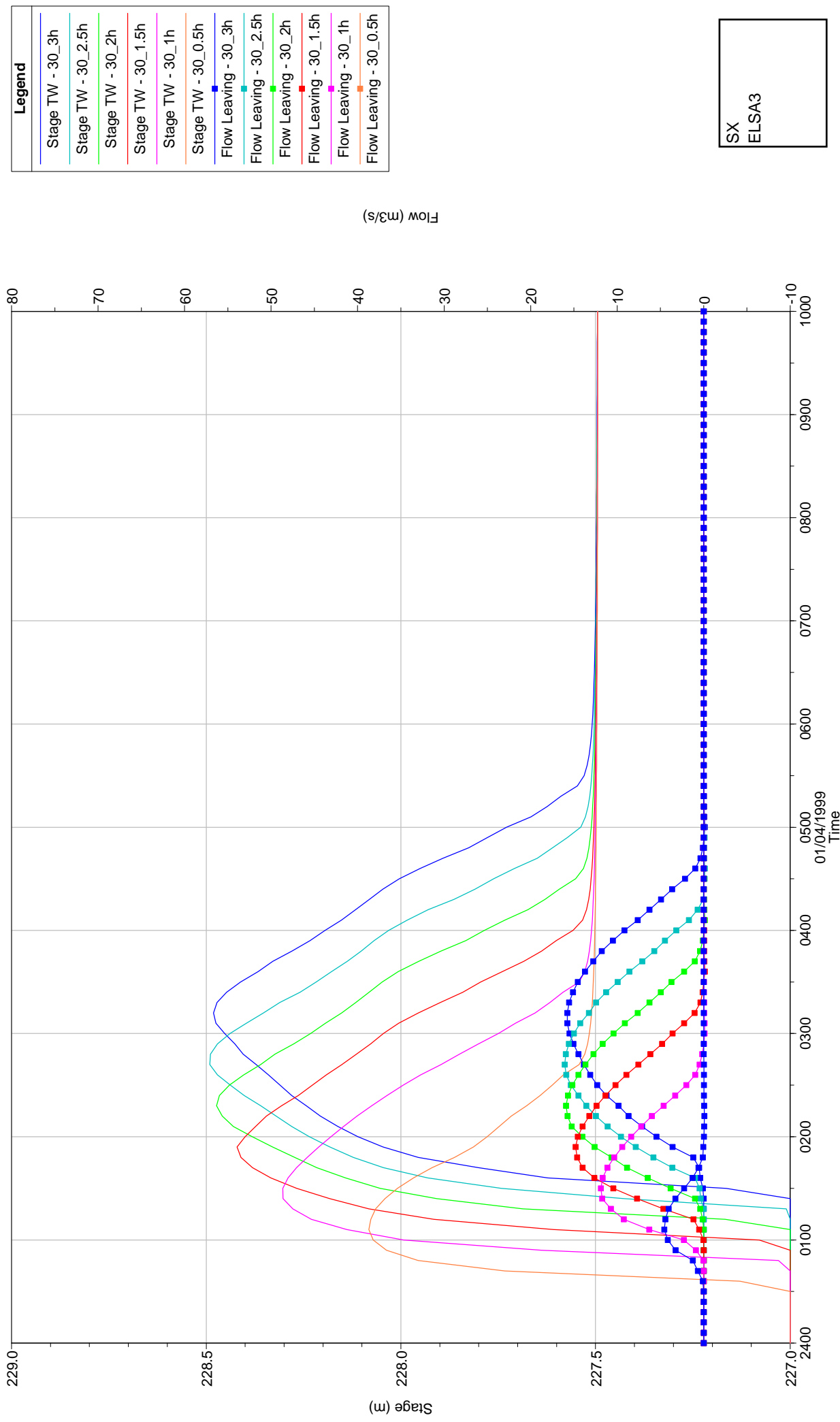
SA Connection: ape YY - ape WW _



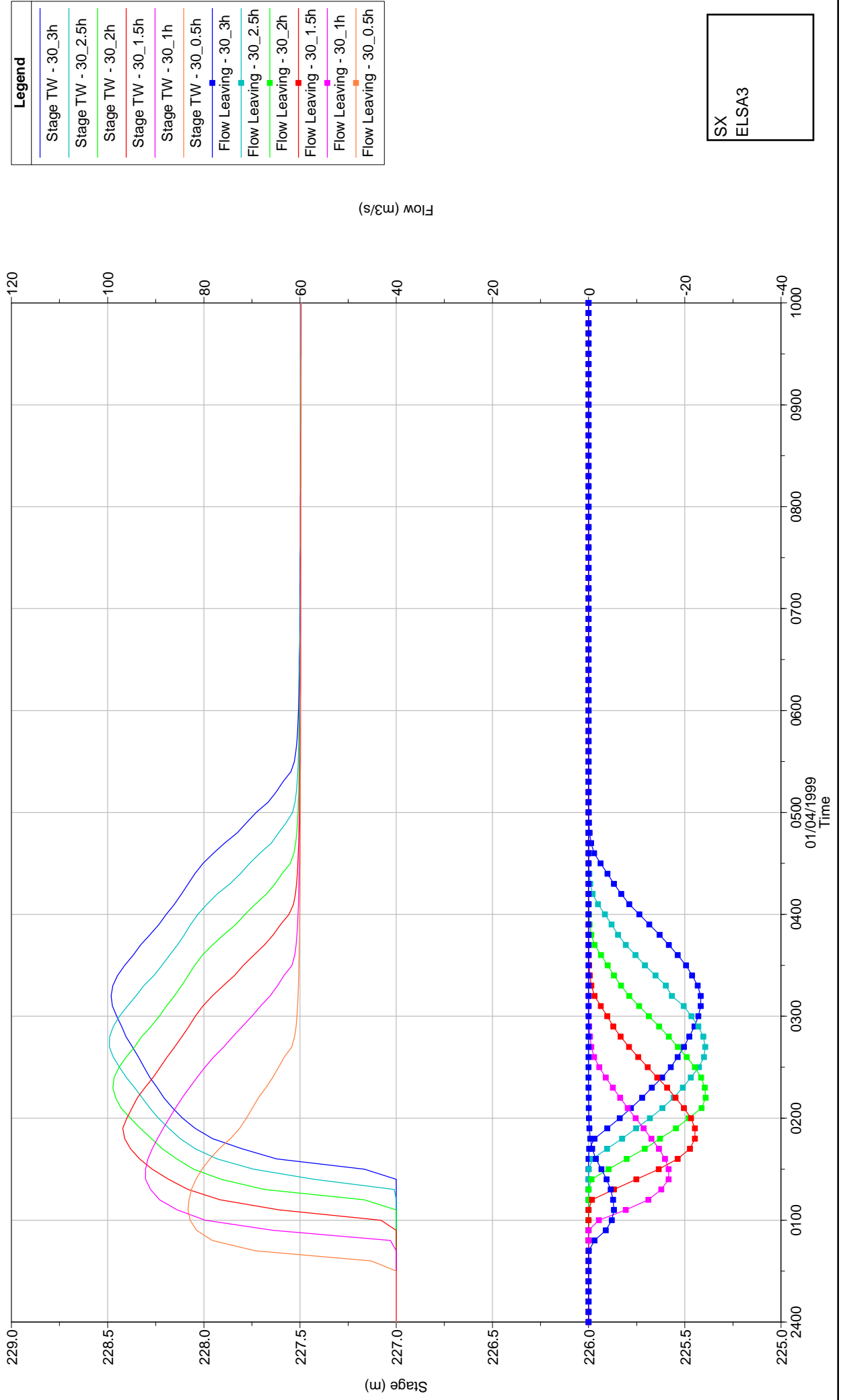
River: Borro Foci Reach: pievescola RS: 1.89



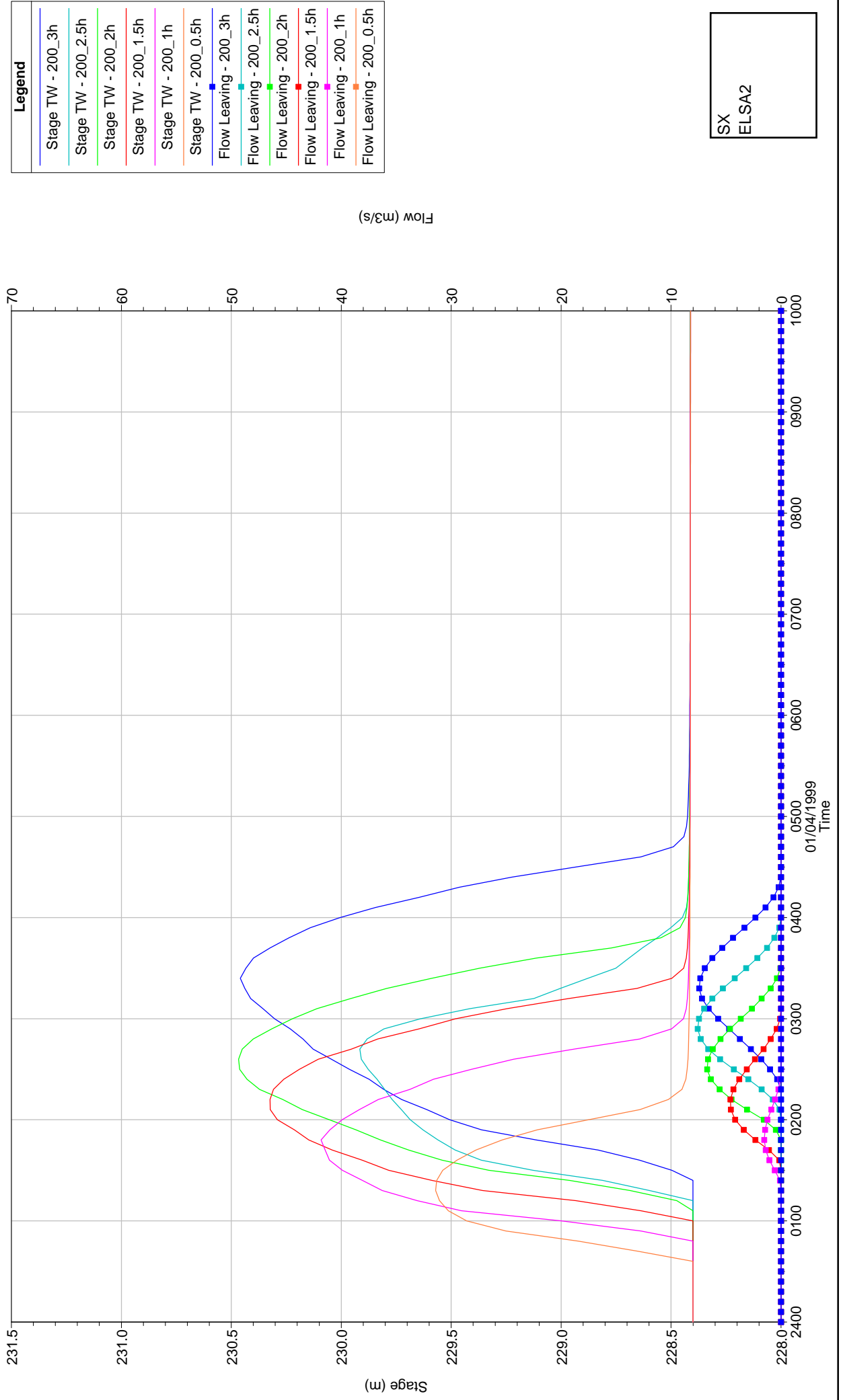
River: Fiume Elsa Reach: confluence RS: 9.89



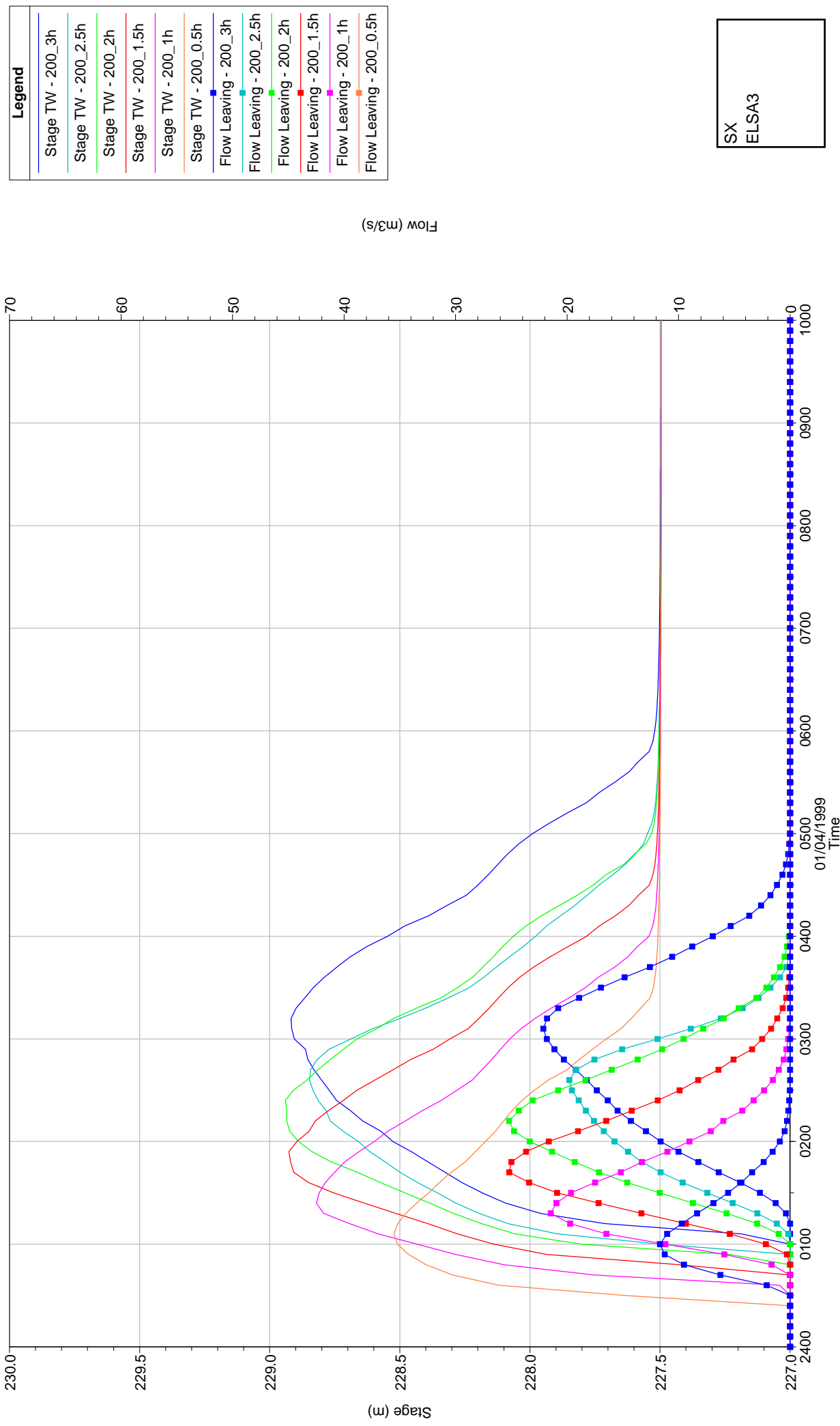
River: Fiume Elsa Reach: valle RS: 6.89



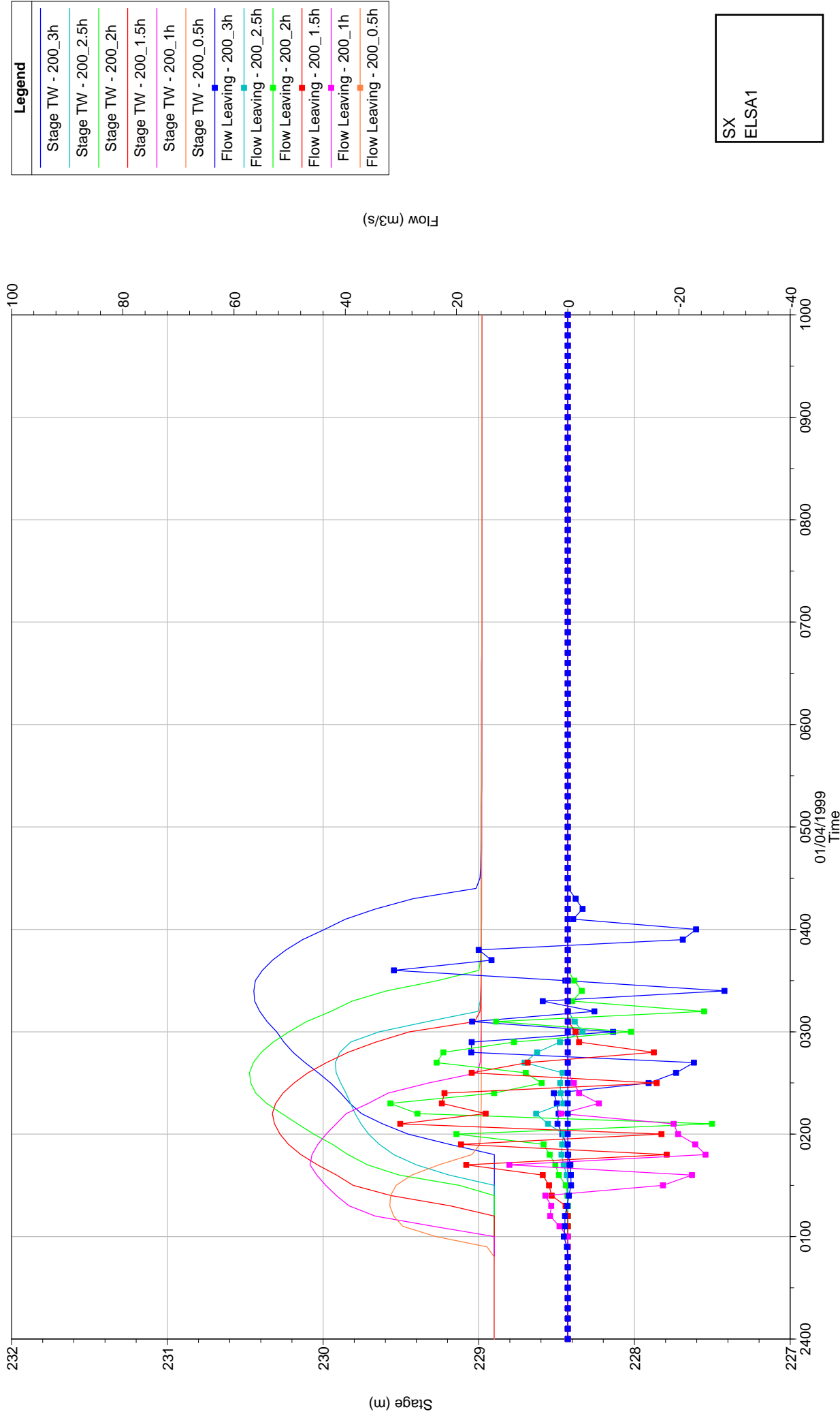
River: Borro di Mezzo Reach: pievescola RS: 7.49



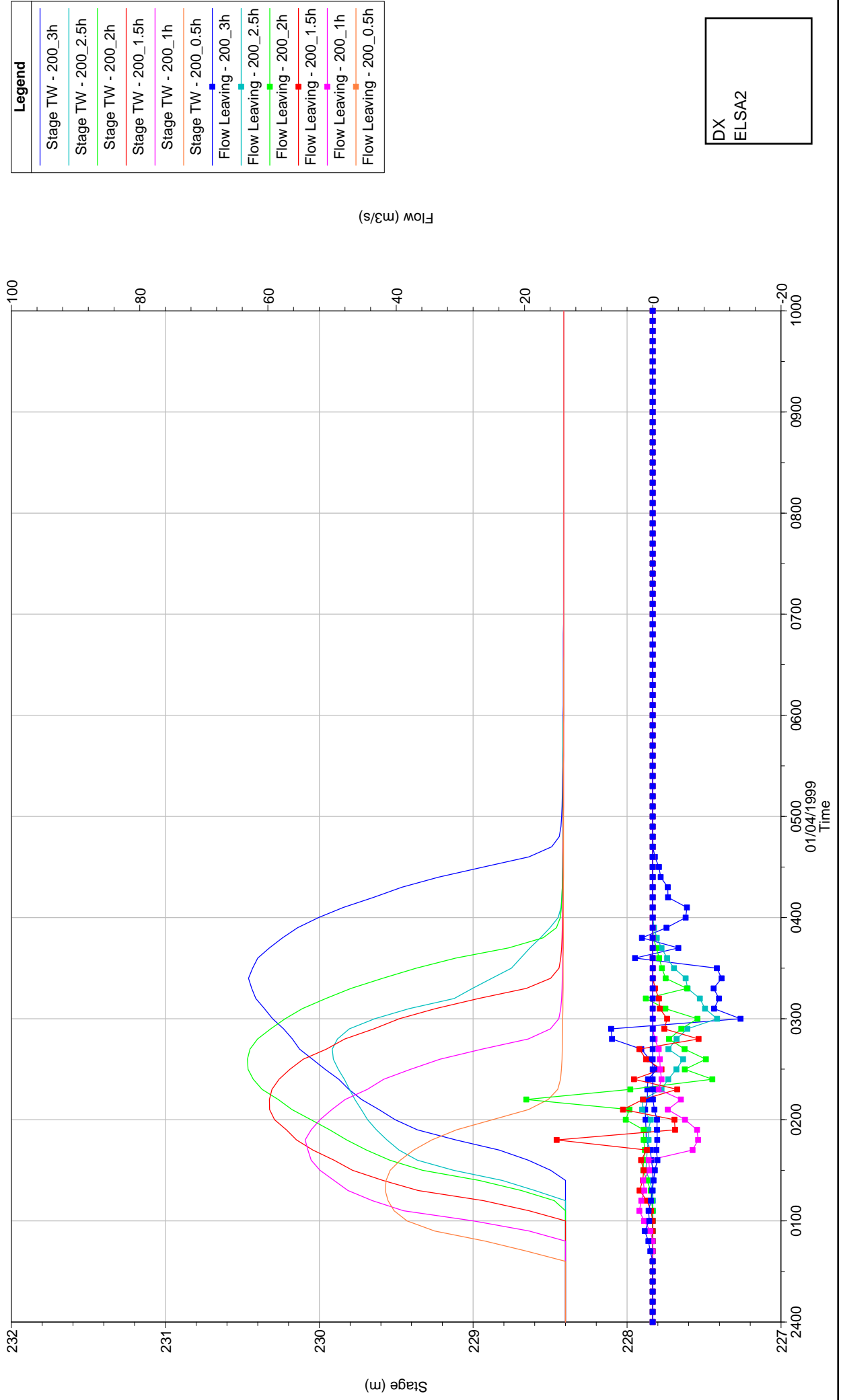
River: Borro Foci Reach: pievescola RS: 1.89



River: Fiume Elsa Reach: monte RS: 15.89

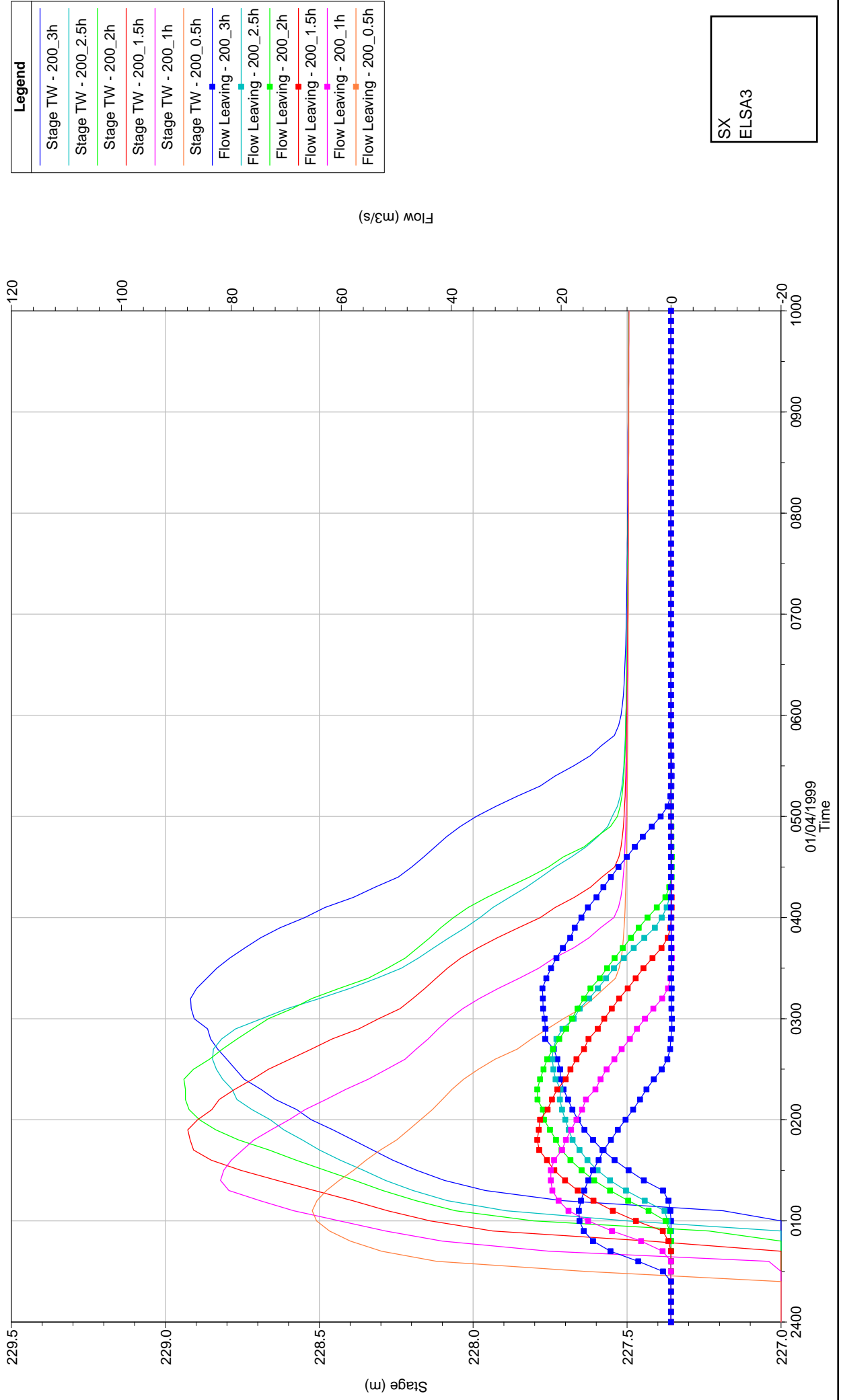


River: Fiume Elsa Reach: monte RS: 15.88

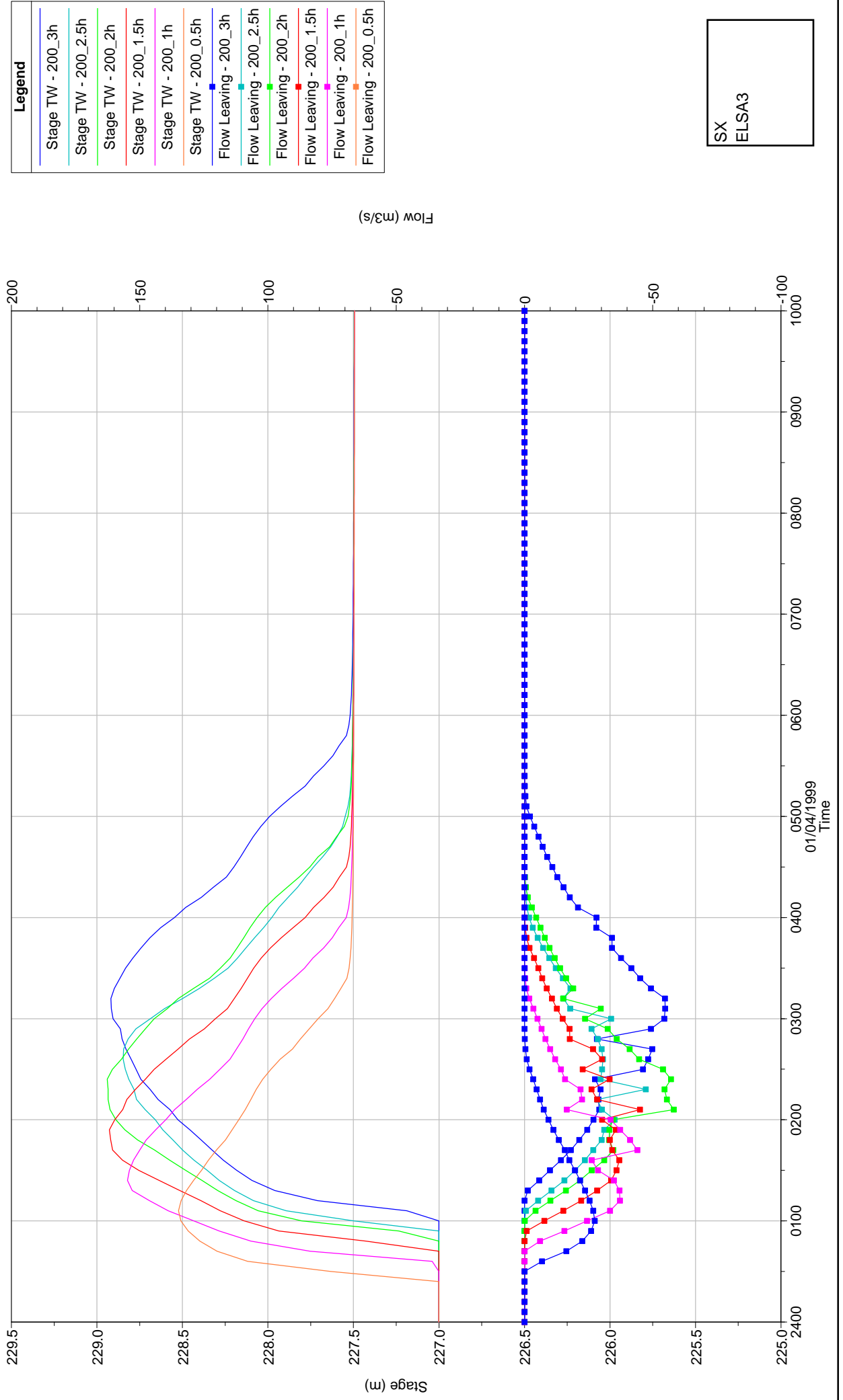


DX
ELSA2

River: Fiume Elsa Reach: confluence RS: 9.89

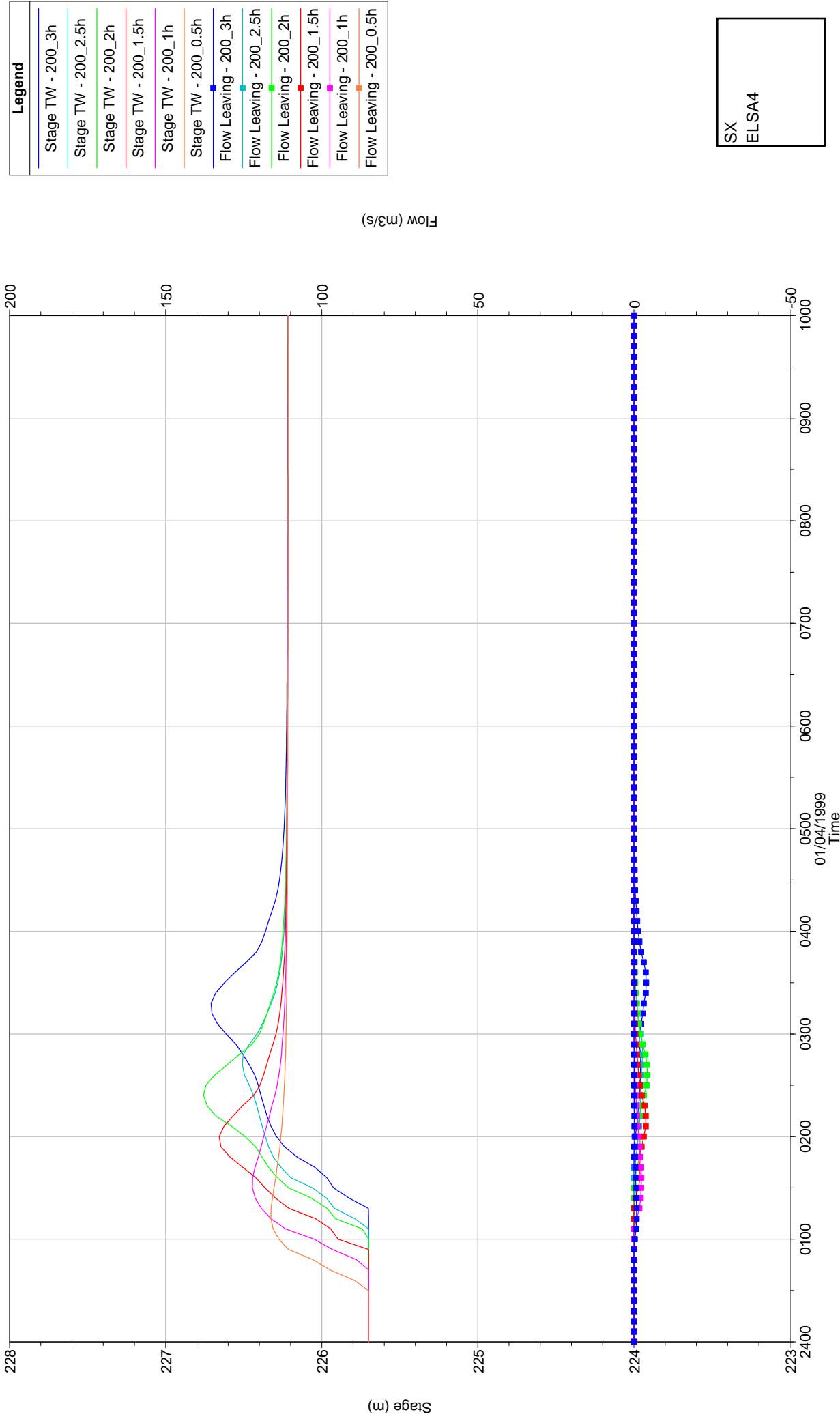


River: Fiume Elsa Reach: valle RS: 6.89

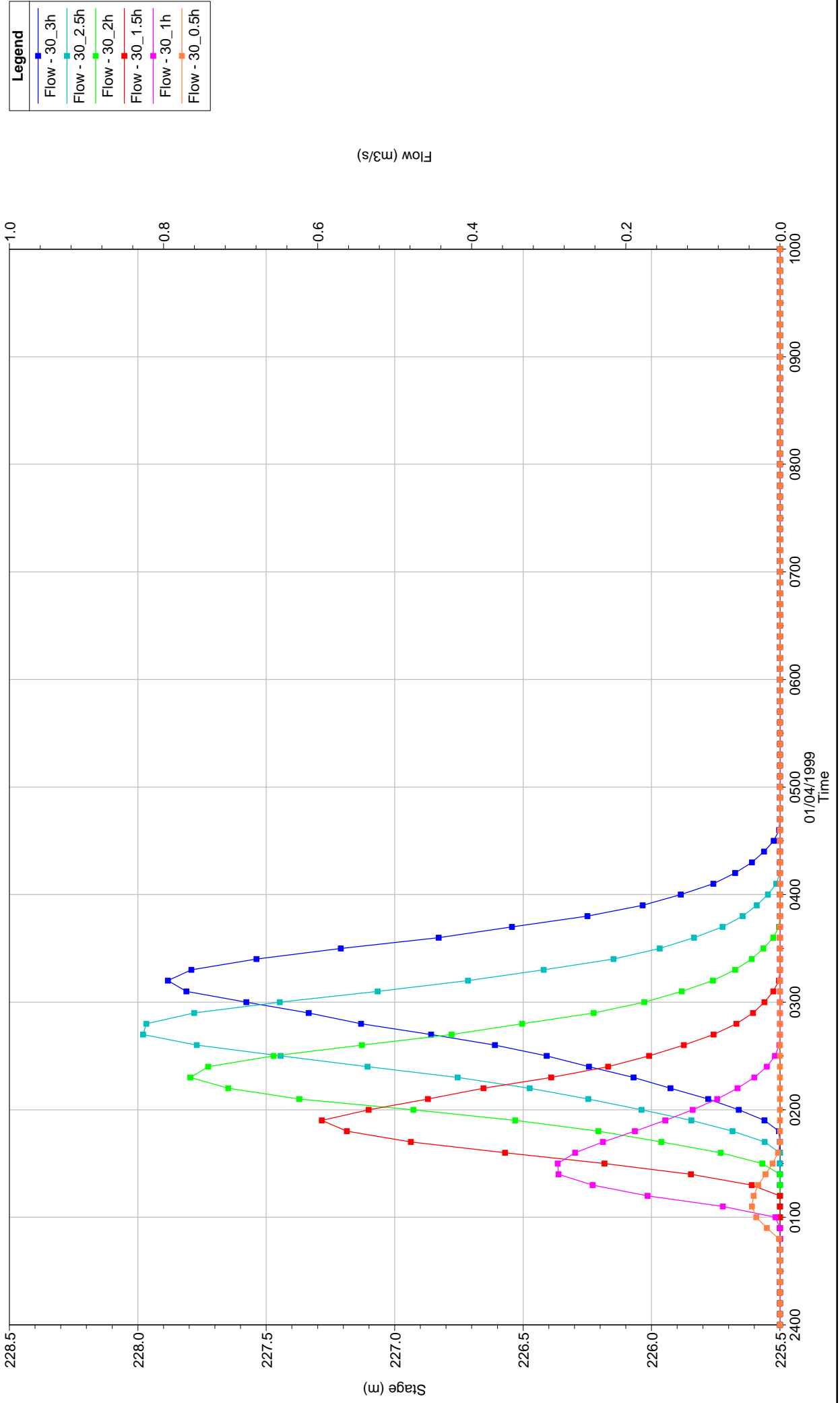


SX
ELSA3

River: Fiume Elsa Reach: valle RS: 4.89



SA Connection: ELSA 3 - ELSA 4



SA Connection: ELSA 3 - ELSA 4

