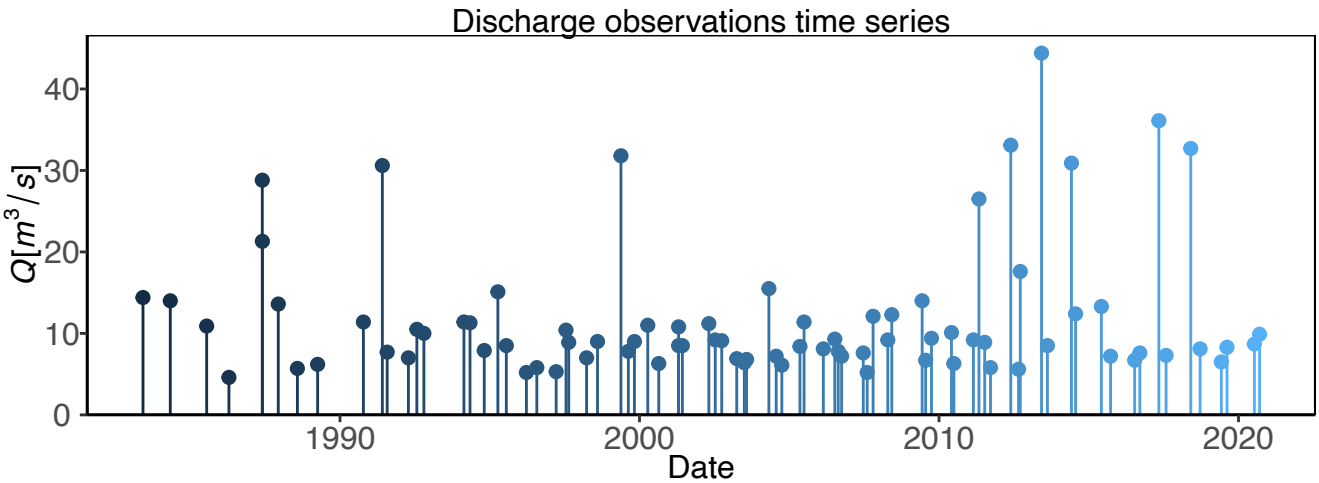
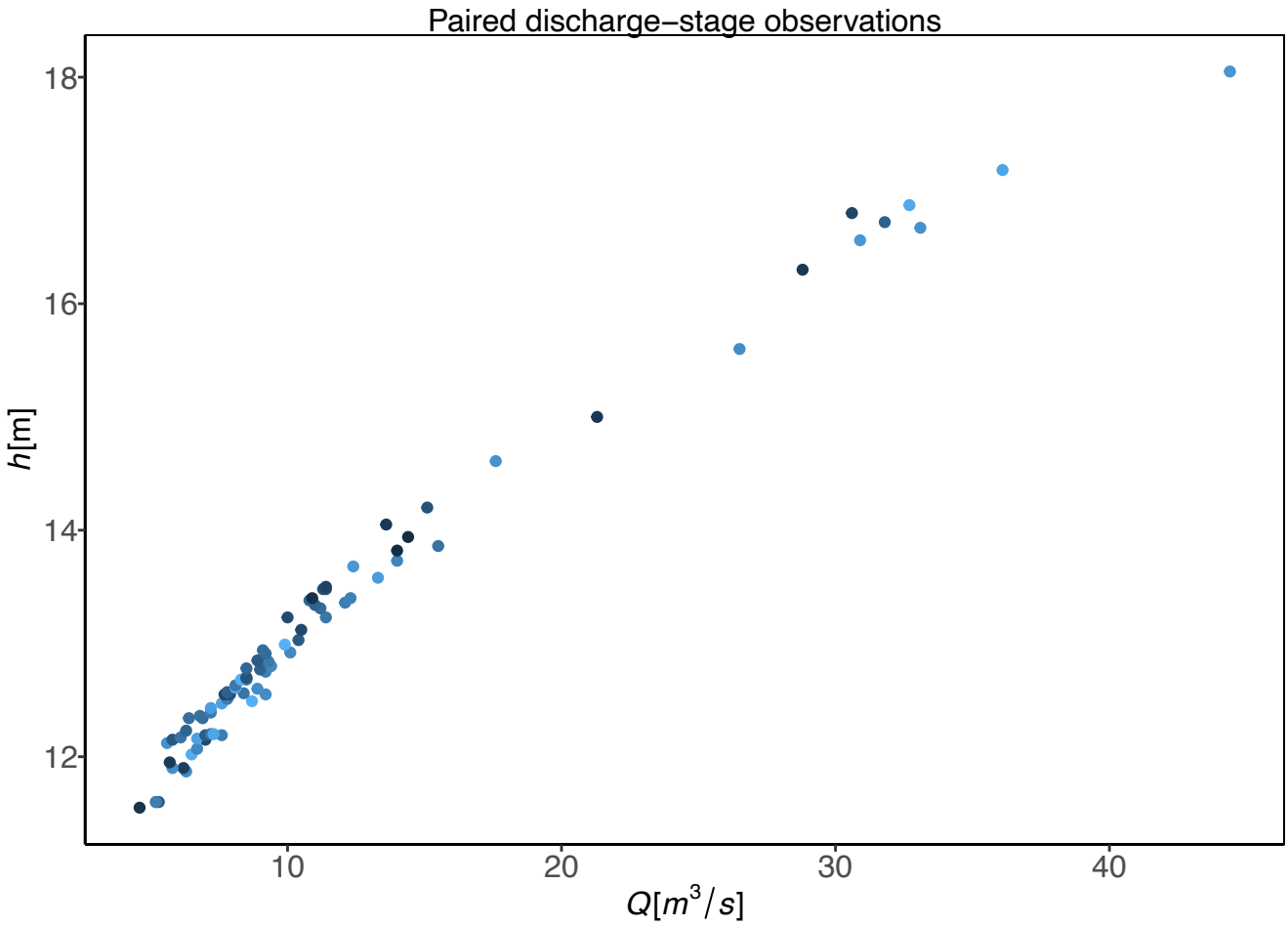
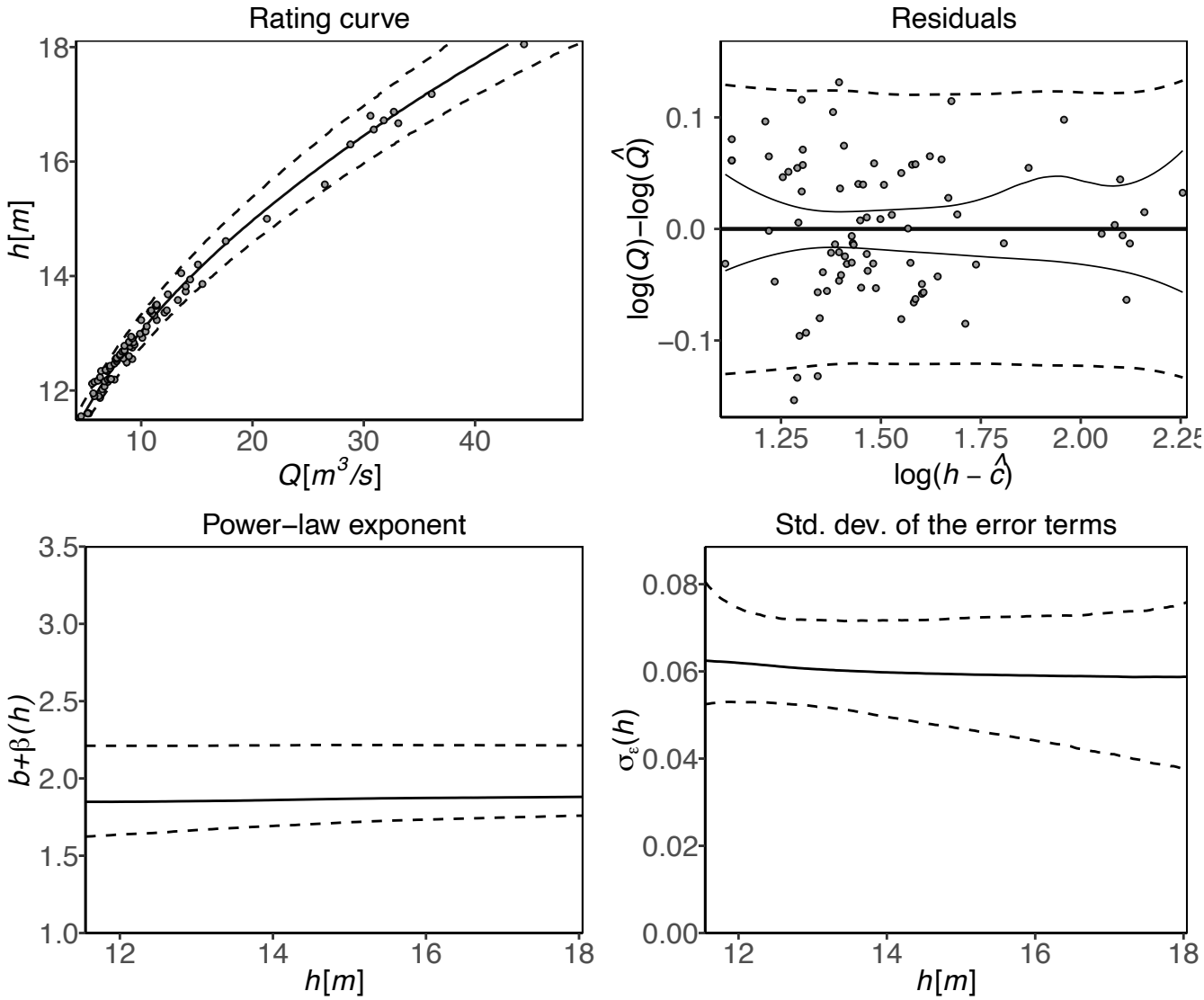
Station name:	Reykjafoss
Location:	Iceland
Station number:	V10
Number of observations:	83
Start date:	1983–06–04
End date:	2020–09–14
Max. discharge (m^3/s):	44.4
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.88	0.22
GPLM0	1.40	0.17
PLM	0.00	0.33
PLM0	0.33	0.28



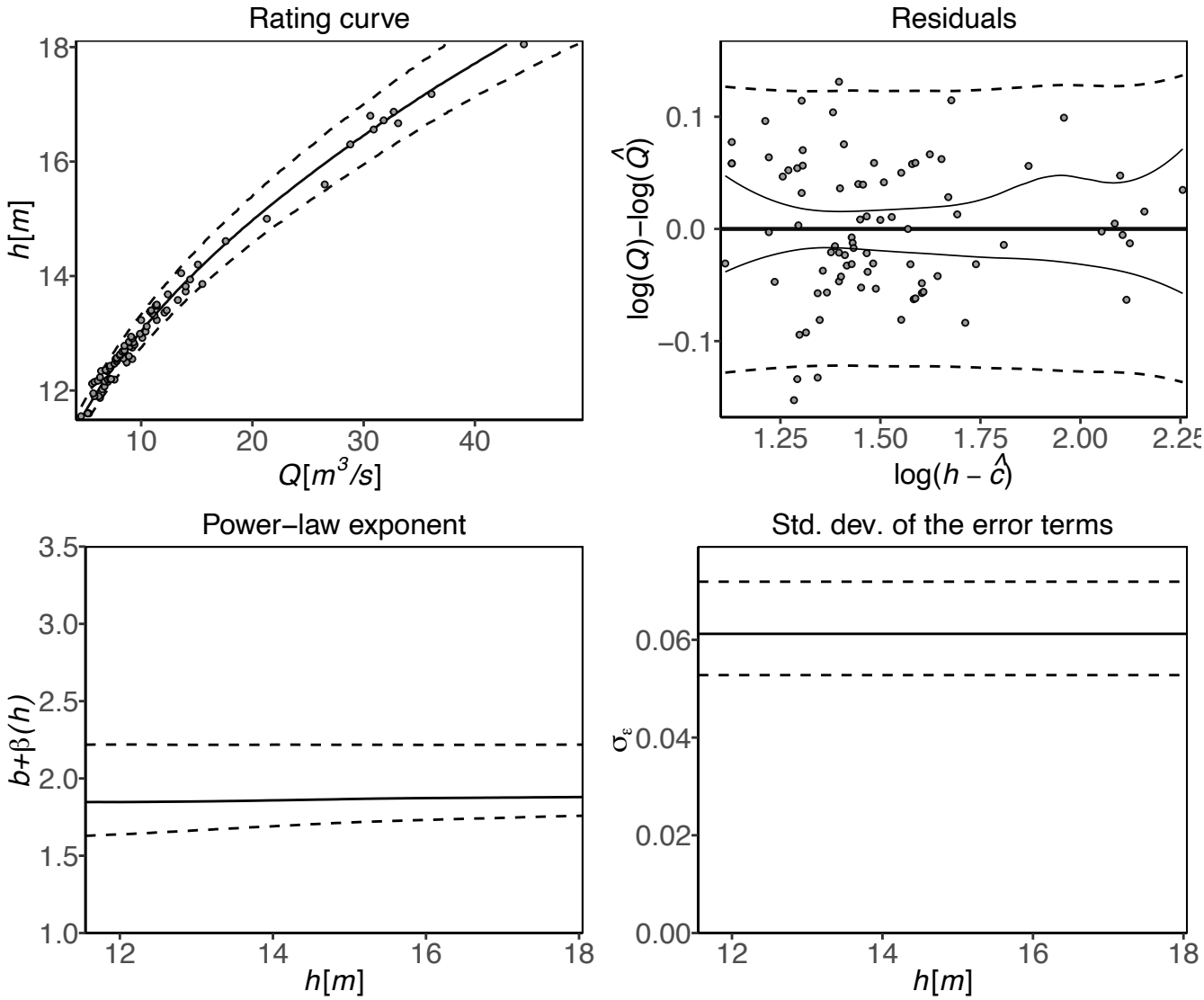


Reykjafoss, Iceland – GPLM



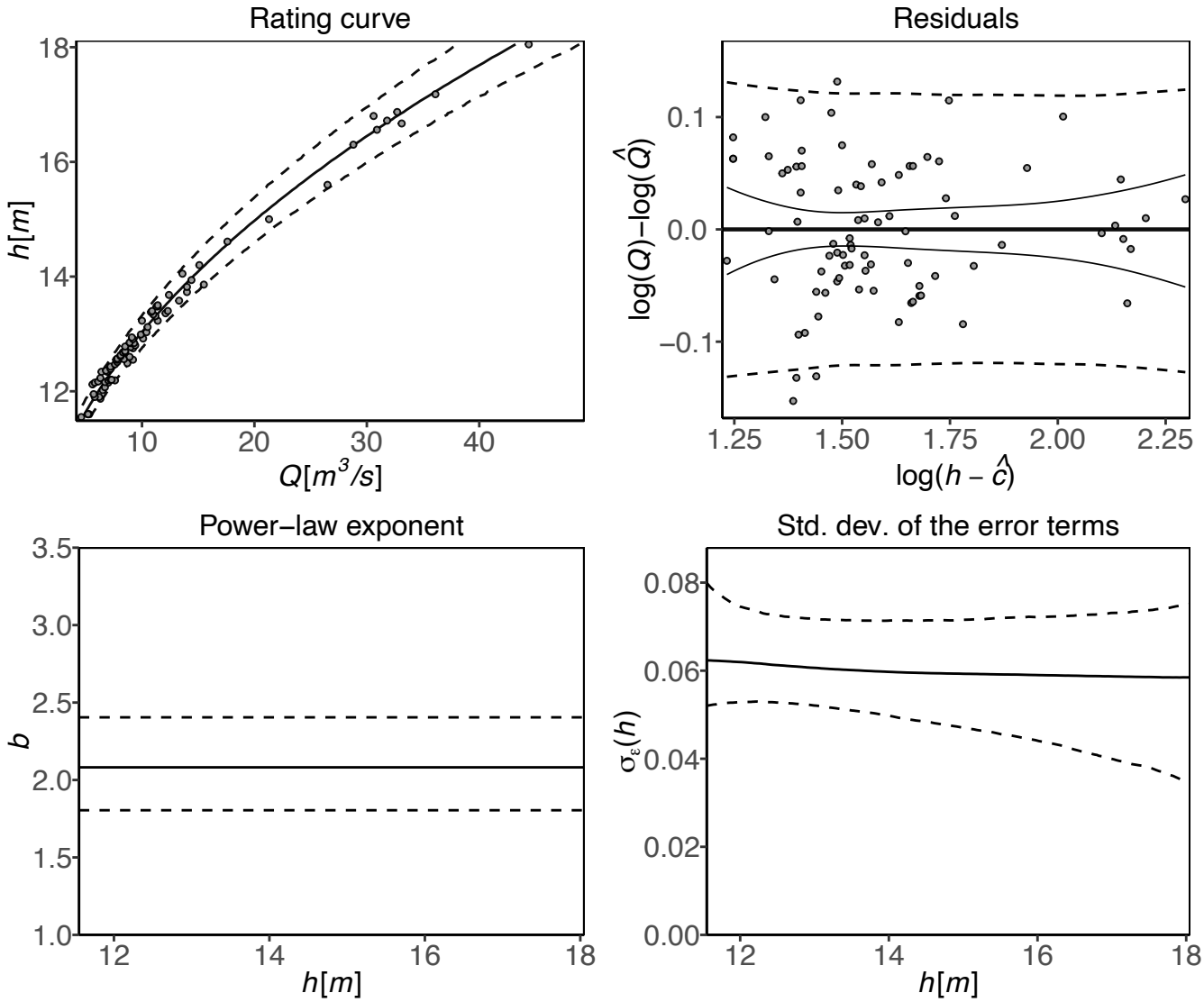
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.62	[0.25; 0.84]	1755	1.00
b	1.84	[1.83; 1.84]	8699	1.00
c	8.51	[7.67; 8.77]	1213	1.00
σ_β	0.11	[0.01; 0.52]	1565	1.00
ϕ_β	19.48	[1.59; 3062.55]	1046	1.01
σ_η	0.09	[0.00; 0.46]	1457	1.00
η_1	–5.55	[–5.89; –5.04]	2039	1.01
η_2	–5.76	[–7.50; –3.96]	2135	1.00
η_3	–6.10	[–8.48; –3.43]	2303	1.00
η_4	–6.32	[–9.29; –3.01]	2268	1.00
η_5	–6.50	[–9.89; –2.59]	2340	1.00
η_6	–6.51	[–10.49; –2.13]	2333	1.00

Reykjafoss, Iceland – GPLM0



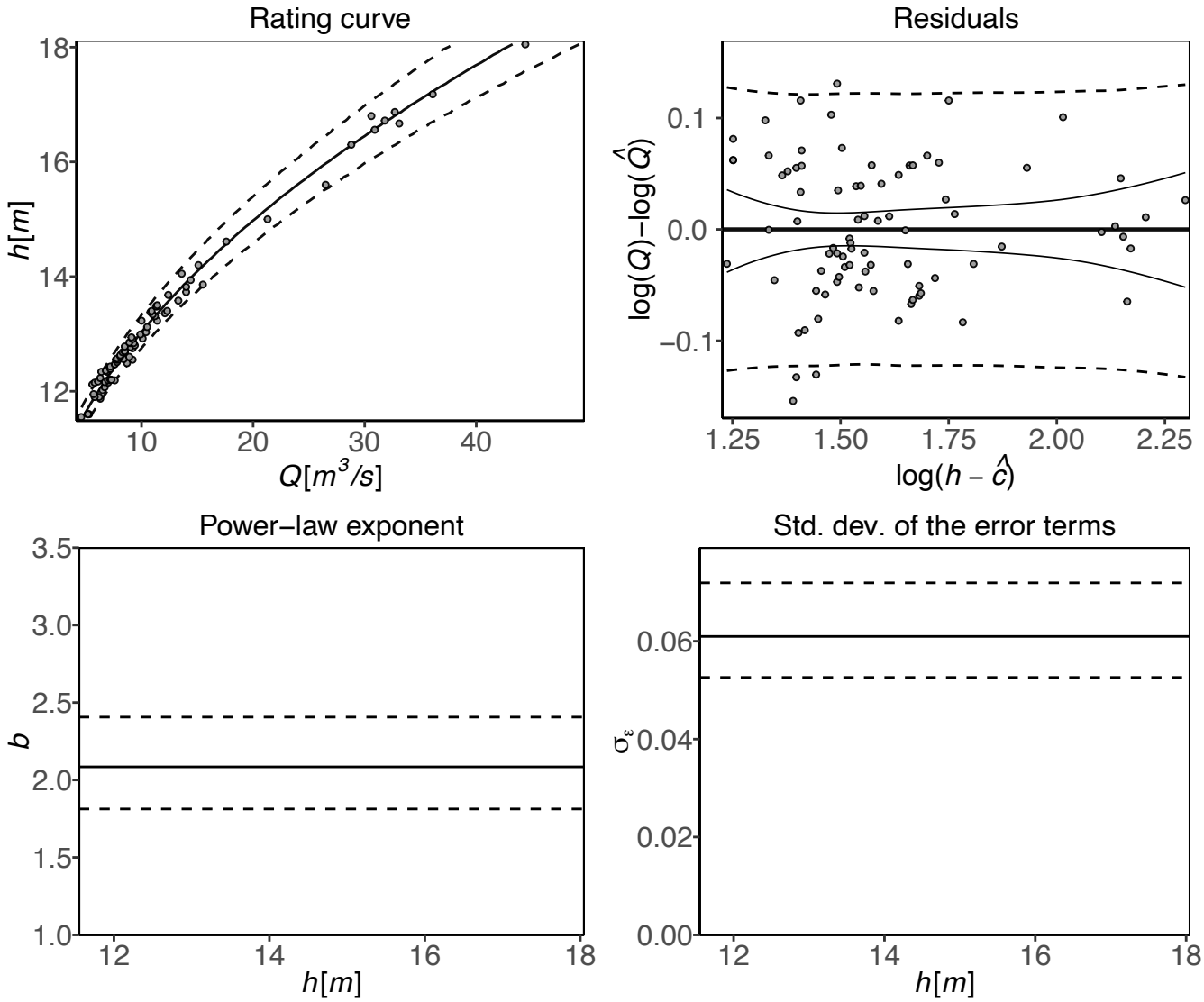
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.62	[0.25; 0.85]	3336	1.00
b	1.84	[1.83; 1.84]	13871	1.00
c	8.51	[7.66; 8.79]	1783	1.00
σ_ε	0.06	[0.05; 0.07]	5234	1.00
σ_β	0.33	[0.09; 0.72]	3915	1.00
ϕ_β	18.94	[1.55; 8234.82]	1494	1.00

Reykjafoss, Iceland – PLM



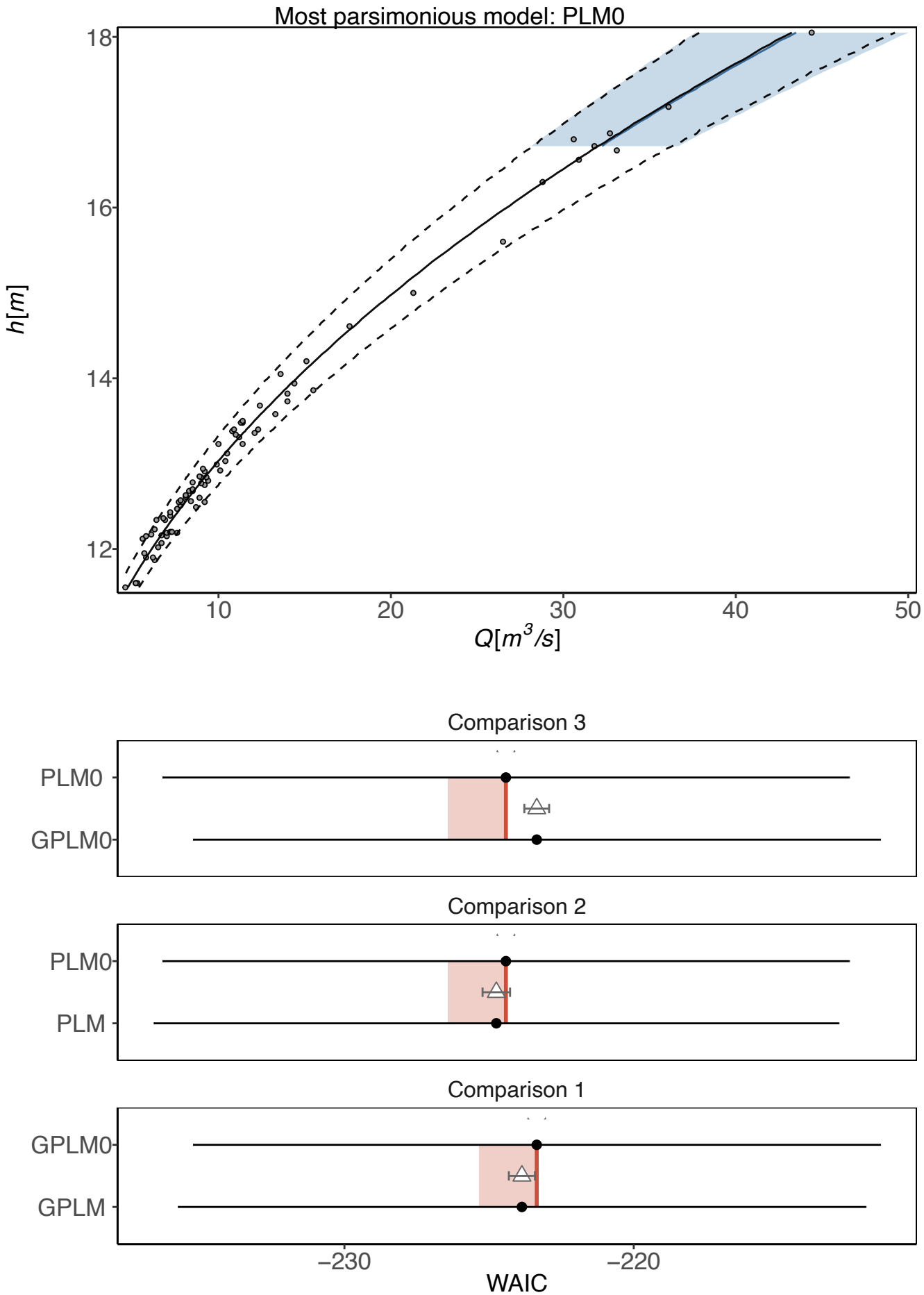
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.36	[0.15; 0.76]	2416	1.00
b	2.08	[1.80; 2.40]	2454	1.00
c	8.12	[7.25; 8.84]	2383	1.00
σ_η	0.09	[0.00; 0.46]	1571	1.00
η_1	–5.55	[–5.91; –5.05]	2876	1.00
η_2	–5.71	[–7.50; –3.90]	2410	1.00
η_3	–6.09	[–8.55; –3.43]	2554	1.00
η_4	–6.29	[–9.27; –3.01]	2553	1.00
η_5	–6.47	[–10.01; –2.49]	2530	1.00
η_6	–6.59	[–10.70; –2.10]	2649	1.00

Reykjafoss, Iceland – PLM0



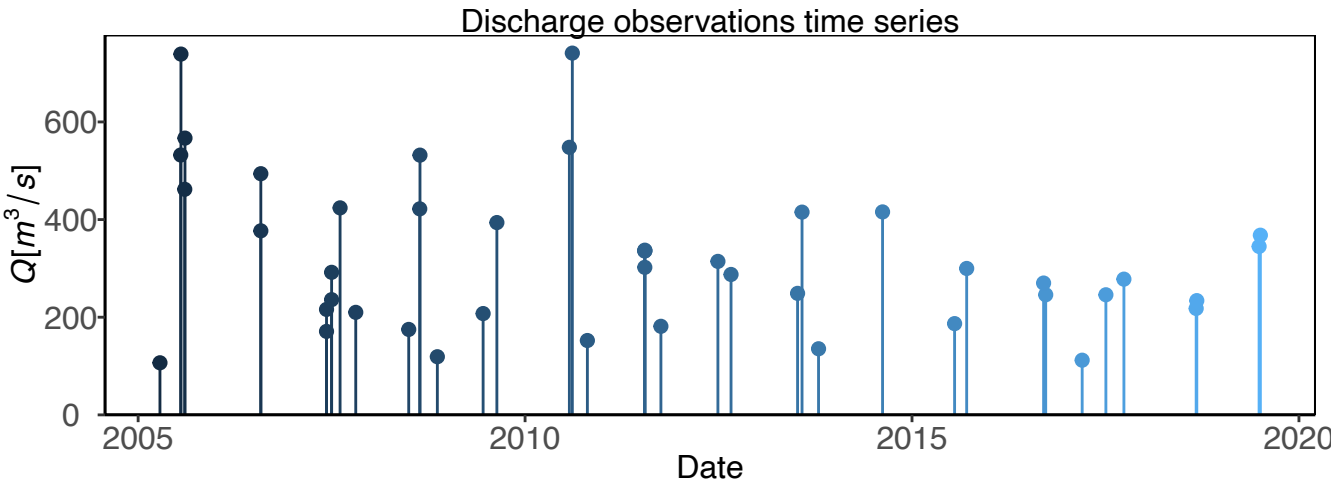
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.36	[0.15; 0.74]	10428	1.00
b	2.08	[1.81; 2.41]	10431	1.00
c	8.10	[7.25; 8.80]	10482	1.00
σ_ε	0.06	[0.05; 0.07]	10222	1.00

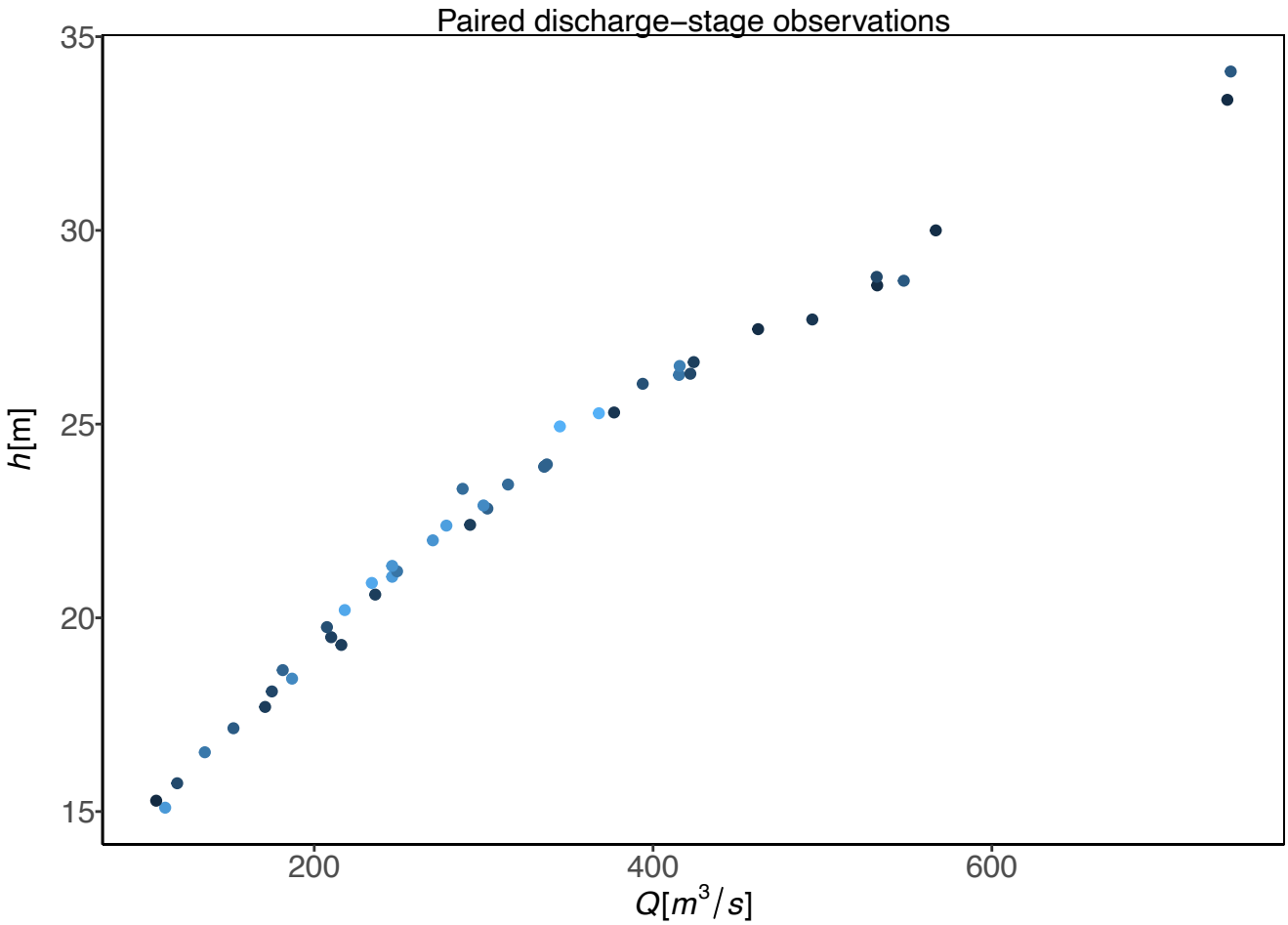
Power–law tournament results for Reykjafoss, Iceland



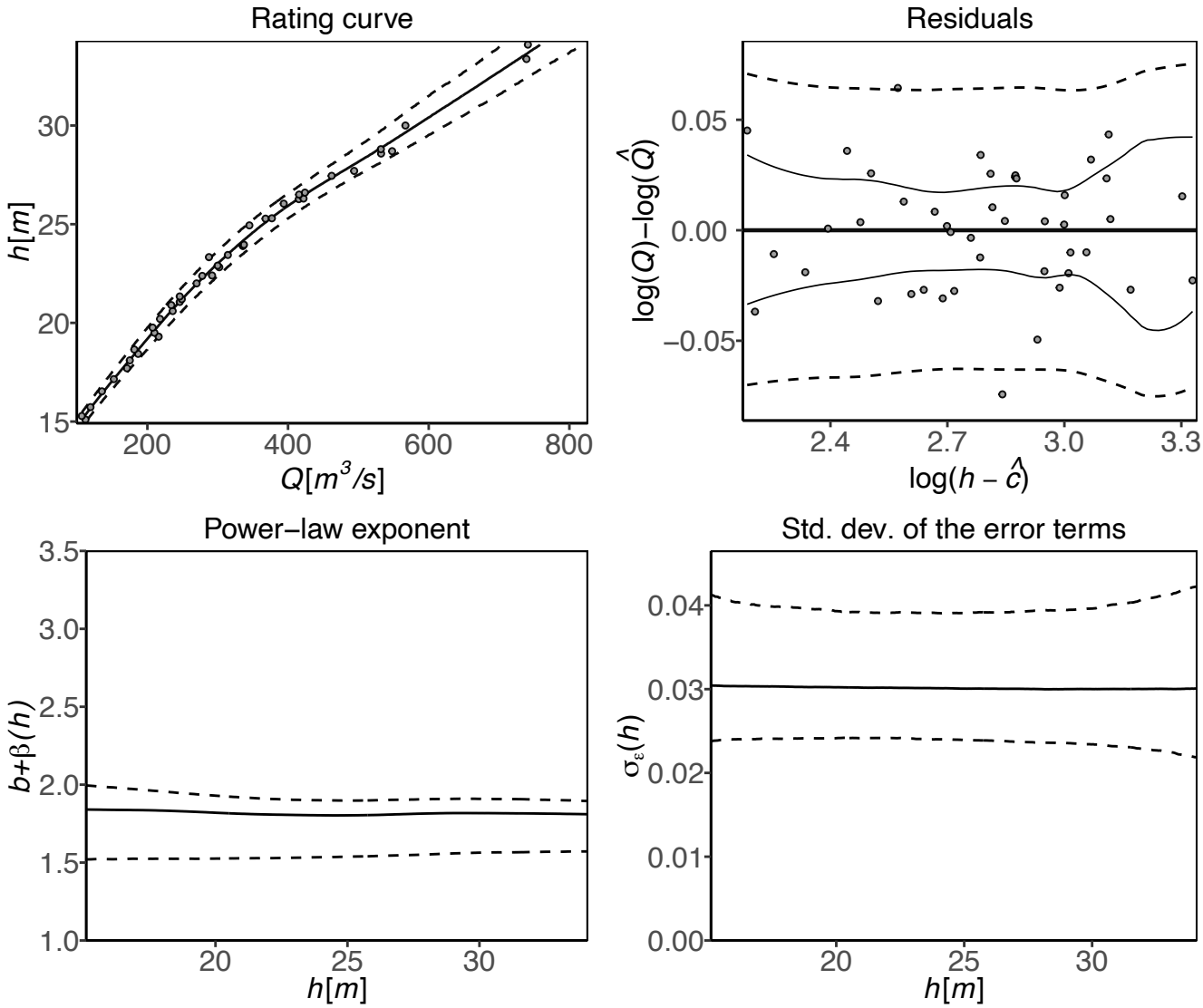
Station name:	Grímsstaðir
Location:	Iceland
Station number:	V102
Number of observations:	44
Start date:	2005–04–14
End date:	2019–07–03
Max. discharge (m^3/s):	741
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.52
GPLM0	0.18	0.48
PLM	14.98	0.00
PLM0	14.78	0.00



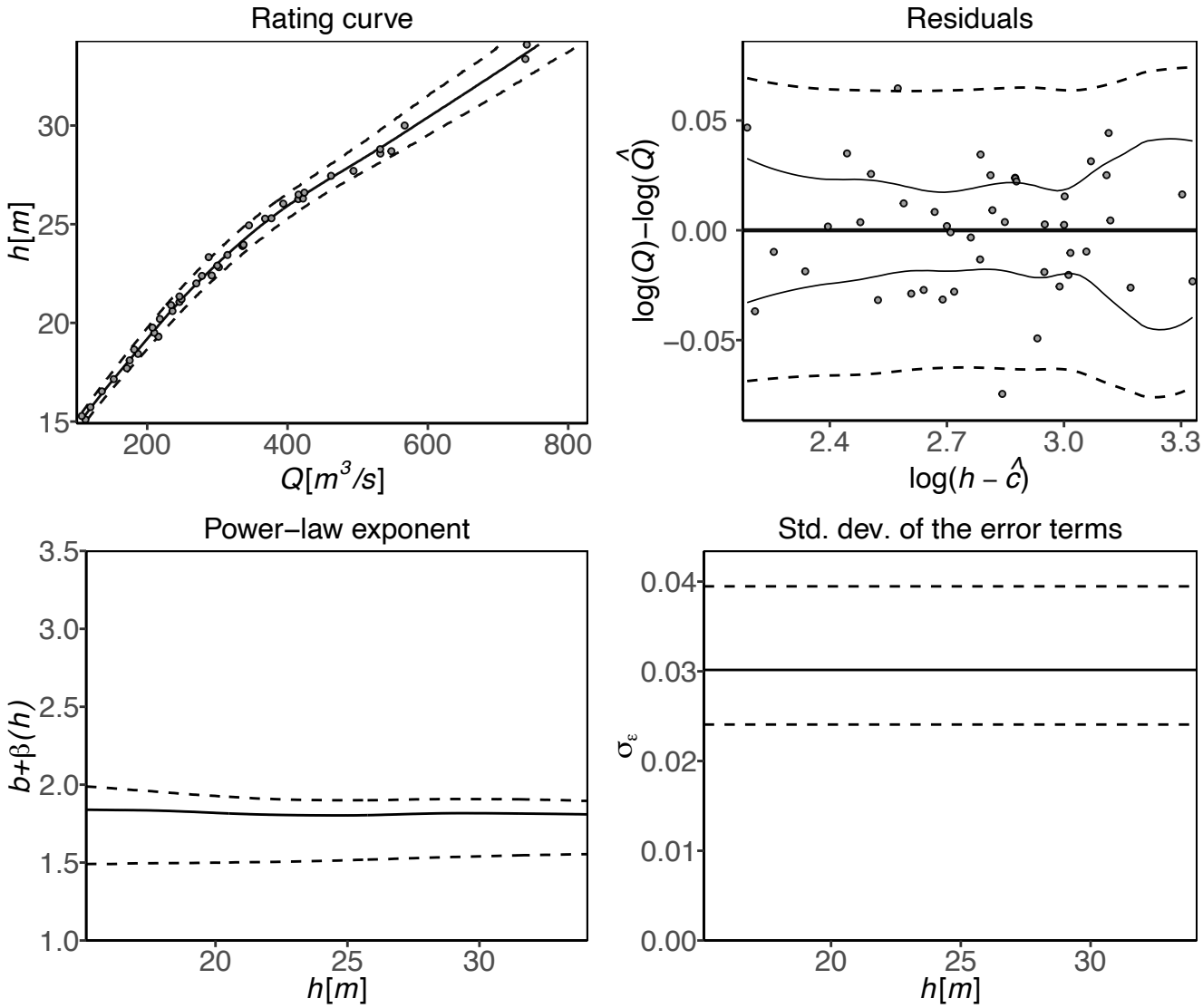


Grímsstaðir, Iceland – GPLM



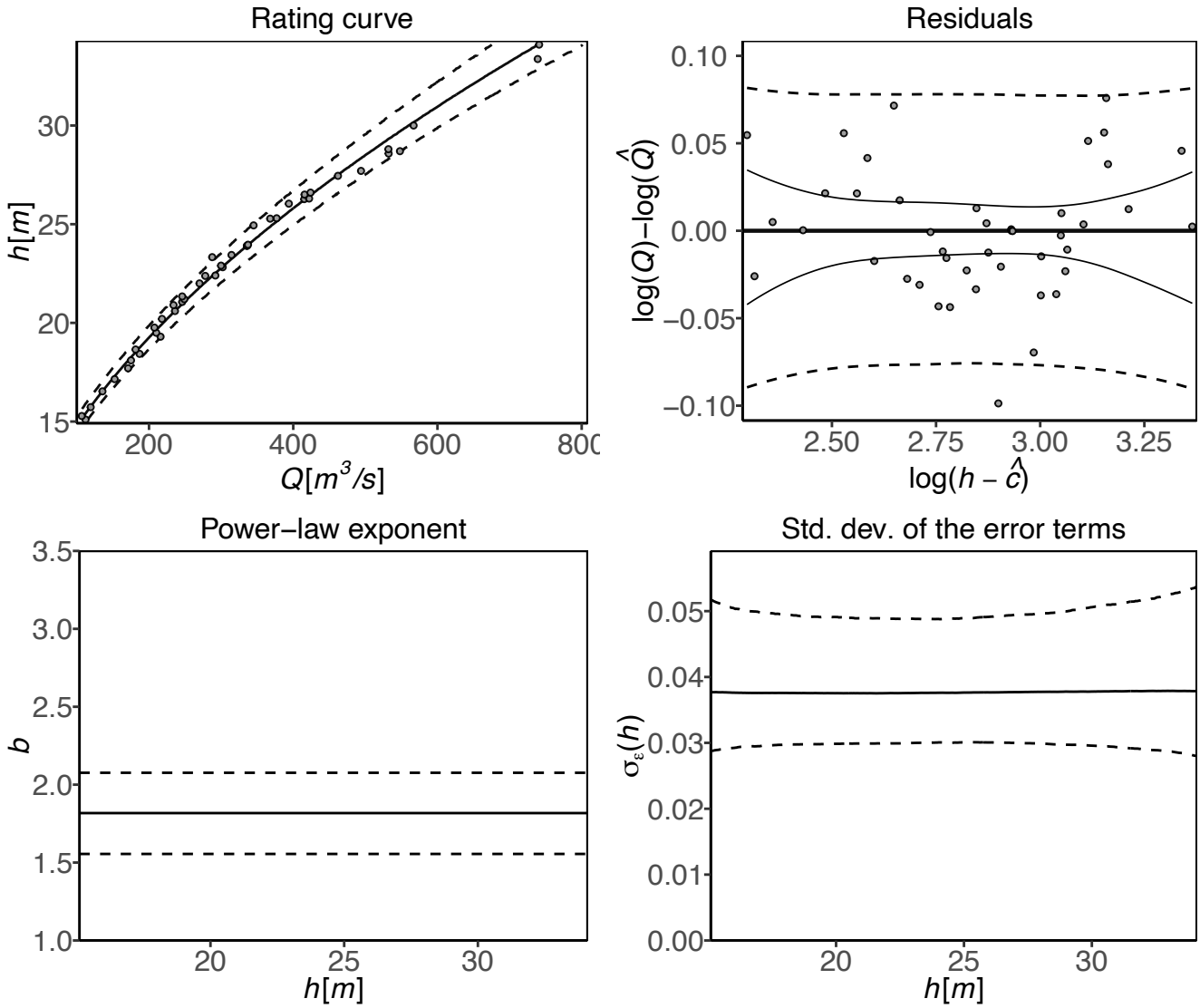
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.84	[1.32; 4.19]	3003	1.00
b	1.83	[1.83; 1.84]	6297	1.00
c	6.20	[4.64; 6.99]	1110	1.02
σ_β	0.06	[0.01; 0.38]	2483	1.00
ϕ_β	10.83	[1.78; 56.35]	1348	1.01
σ_η	0.07	[0.00; 0.37]	1232	1.00
η_1	–6.98	[–7.48; –6.38]	1464	1.00
η_2	–7.05	[–8.97; –5.09]	1653	1.00
η_3	–7.15	[–9.70; –4.48]	1759	1.00
η_4	–7.22	[–10.47; –4.01]	1683	1.00
η_5	–7.21	[–10.95; –3.49]	1644	1.00
η_6	–7.16	[–11.34; –3.06]	1673	1.00

Grímsstaðir, Iceland – GPLM0



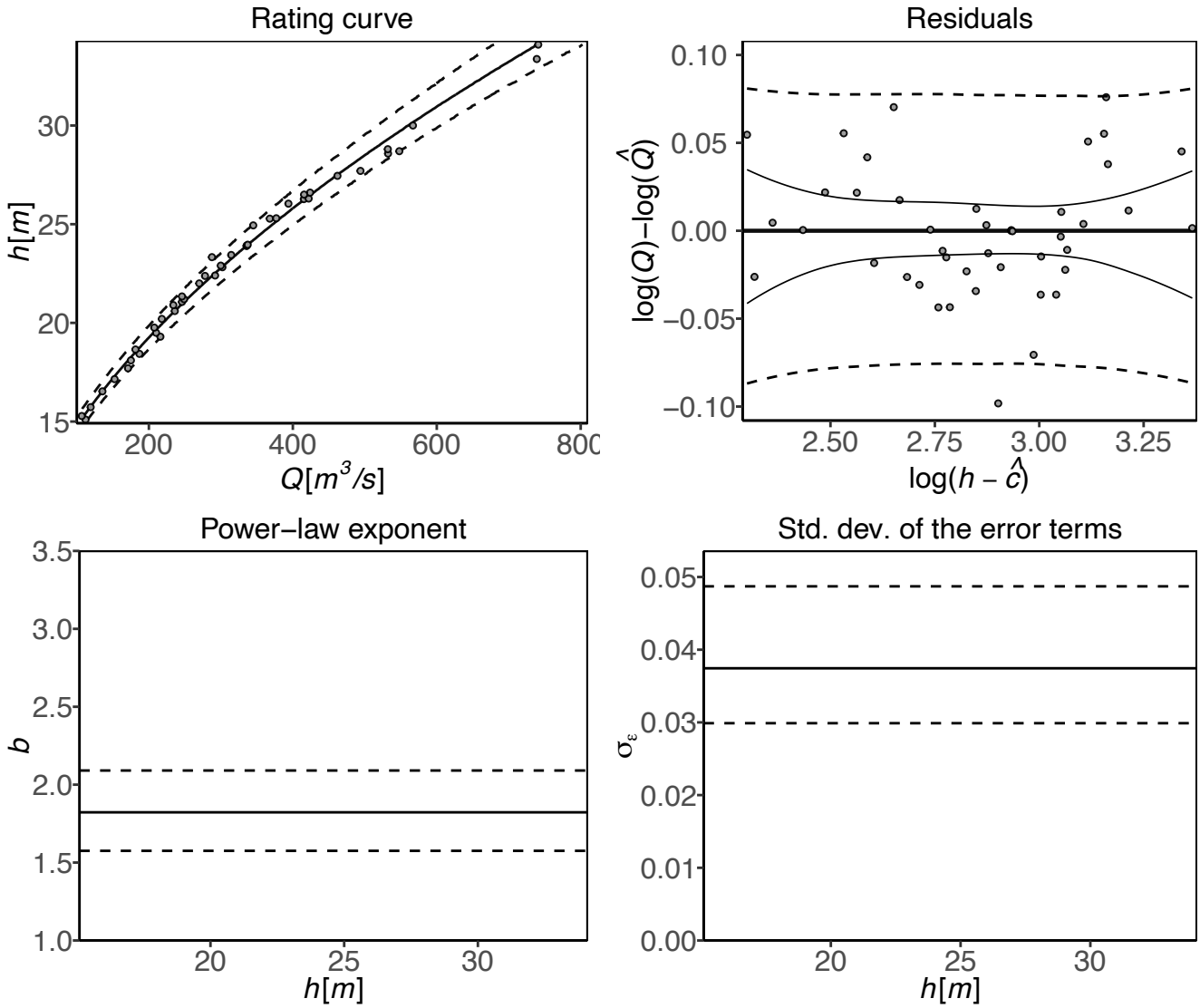
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.84	[1.33; 4.44]	3937	1.00
b	1.83	[1.83; 1.84]	6881	1.00
c	6.18	[4.66; 6.98]	1682	1.00
σ_ε	0.03	[0.02; 0.04]	2649	1.00
σ_β	0.24	[0.09; 0.62]	3683	1.00
ϕ_β	10.81	[1.62; 79.28]	1673	1.01

Grímsstaðir, Iceland – PLM



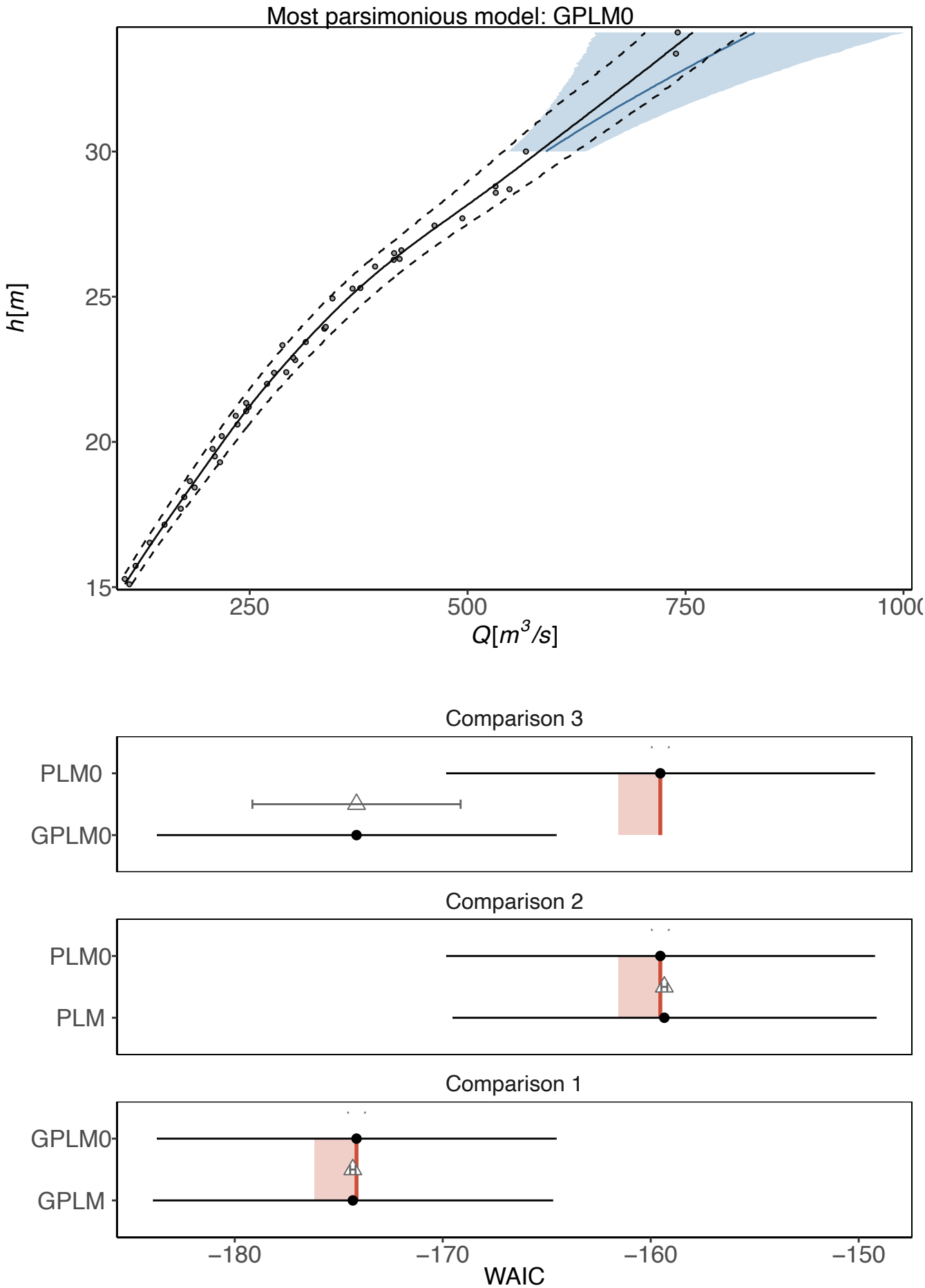
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.63	[0.60; 4.31]	2600	1.00
b	1.82	[1.56; 2.08]	2622	1.00
c	5.16	[2.84; 7.41]	2509	1.00
σ_η	0.07	[0.00; 0.38]	1708	1.00
η_1	–6.56	[–7.10; –5.92]	2211	1.00
η_2	–6.61	[–8.41; –4.68]	2635	1.00
η_3	–6.62	[–9.15; –4.03]	2768	1.00
η_4	–6.55	[–9.66; –3.38]	2594	1.00
η_5	–6.51	[–10.16; –2.80]	2842	1.00
η_6	–6.51	[–10.61; –2.29]	2752	1.00

Grímsstaðir, Iceland – PLM0



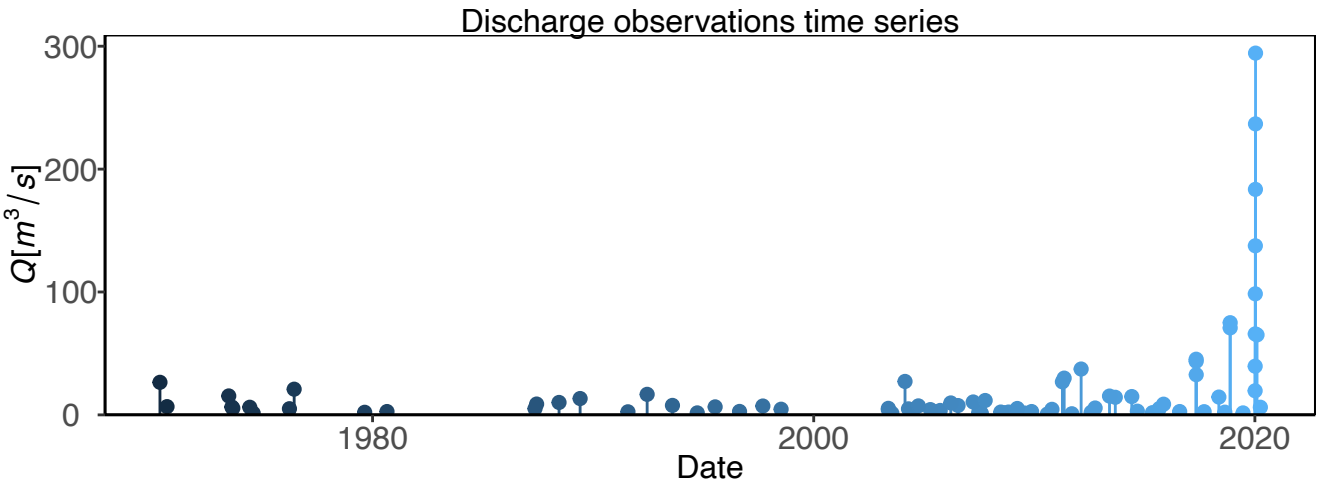
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.60	[0.57; 4.02]	9202	1.00
b	1.82	[1.58; 2.09]	9249	1.00
c	5.12	[2.73; 7.27]	8851	1.00
σ_ε	0.04	[0.03; 0.05]	9065	1.00

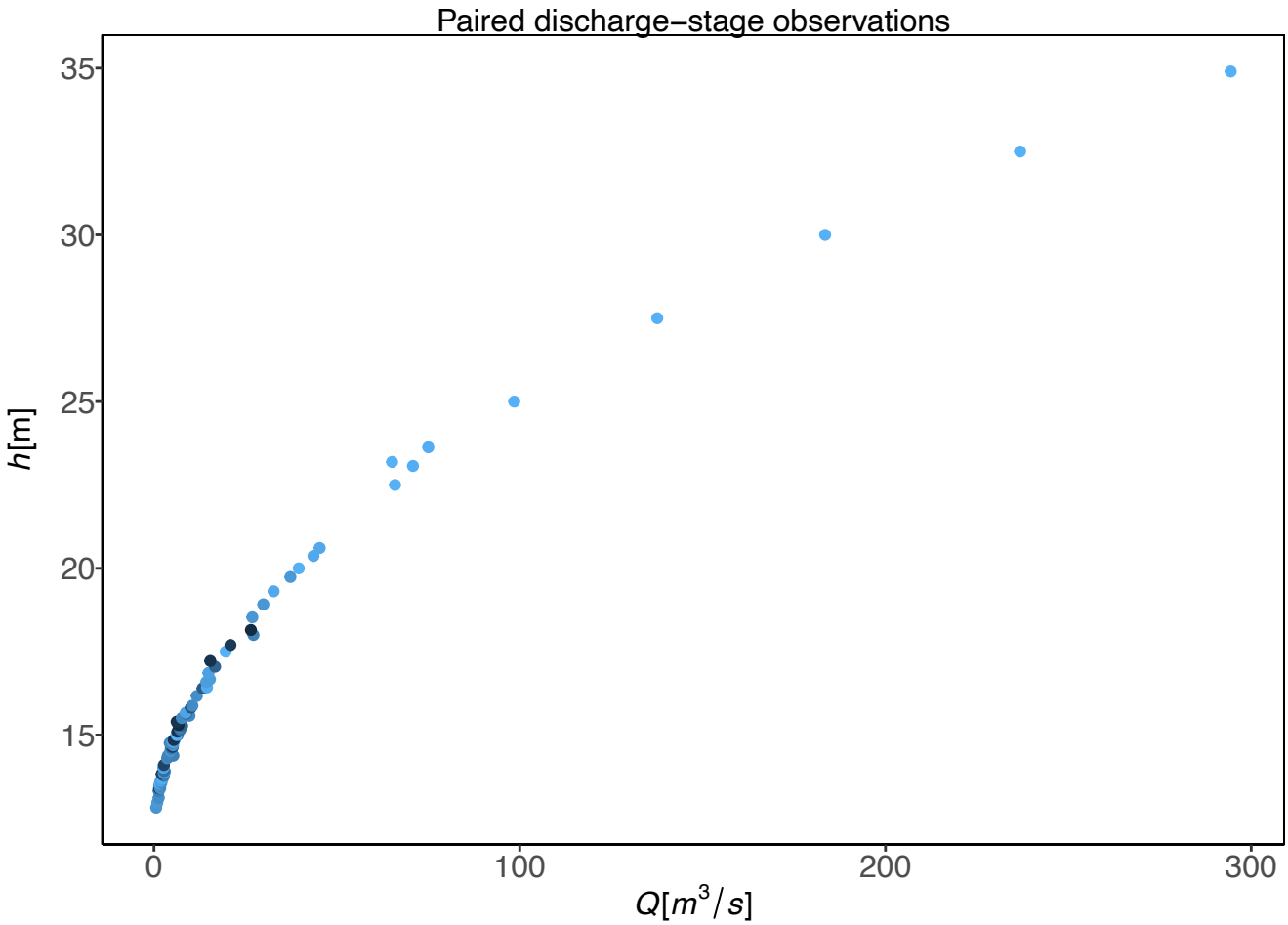
Power−law tournament results for Grímsstaðir, Iceland



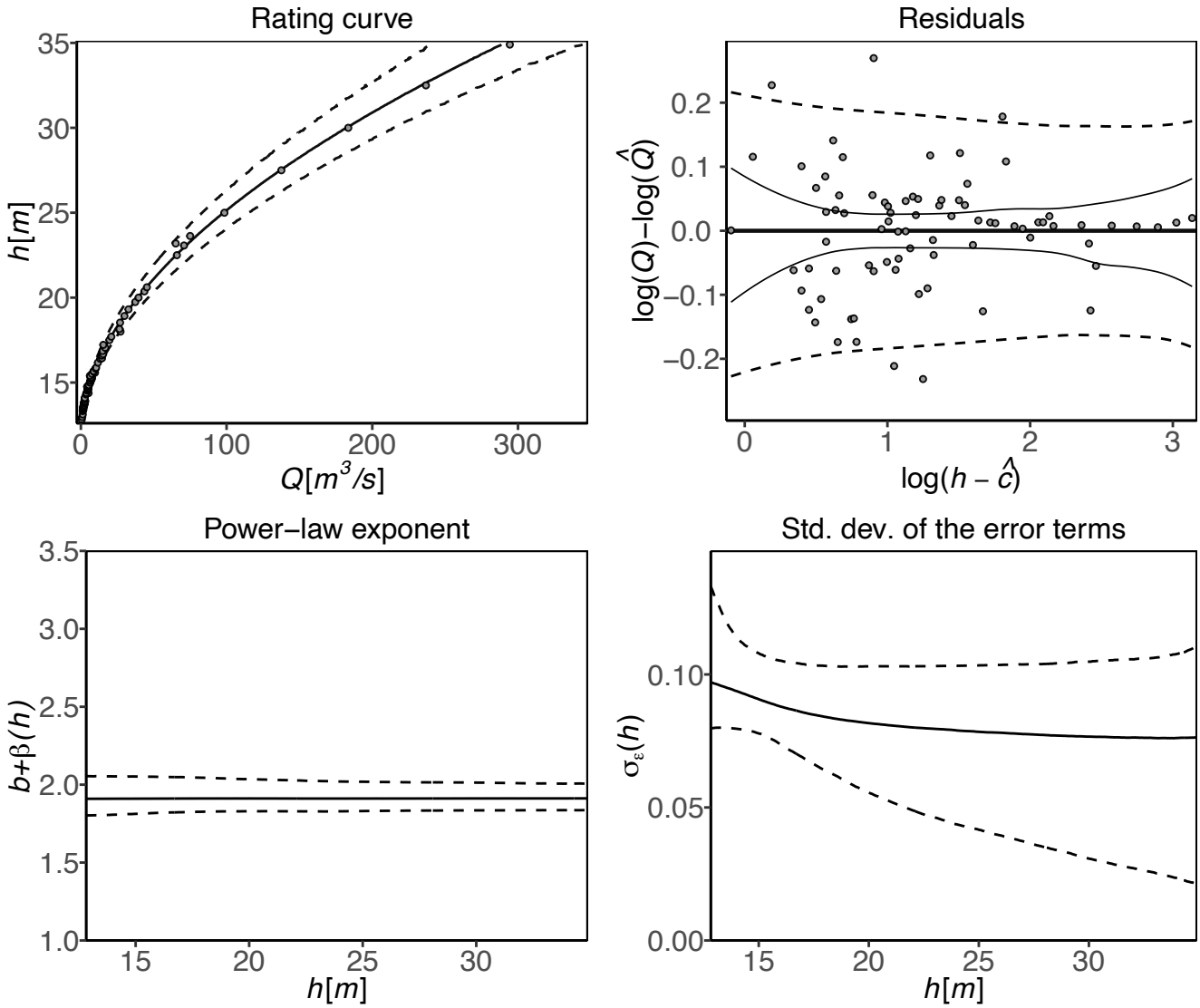
Station name:	Haukadalsvatn
Location:	Iceland
Station number:	V12
Number of observations:	80
Start date:	1970–05–13
End date:	2020–04–01
Max. discharge (m^3/s):	294.4
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	1.24	0.29
GPLM0	4.36	0.06
PLM	0.00	0.54
PLM0	3.15	0.11



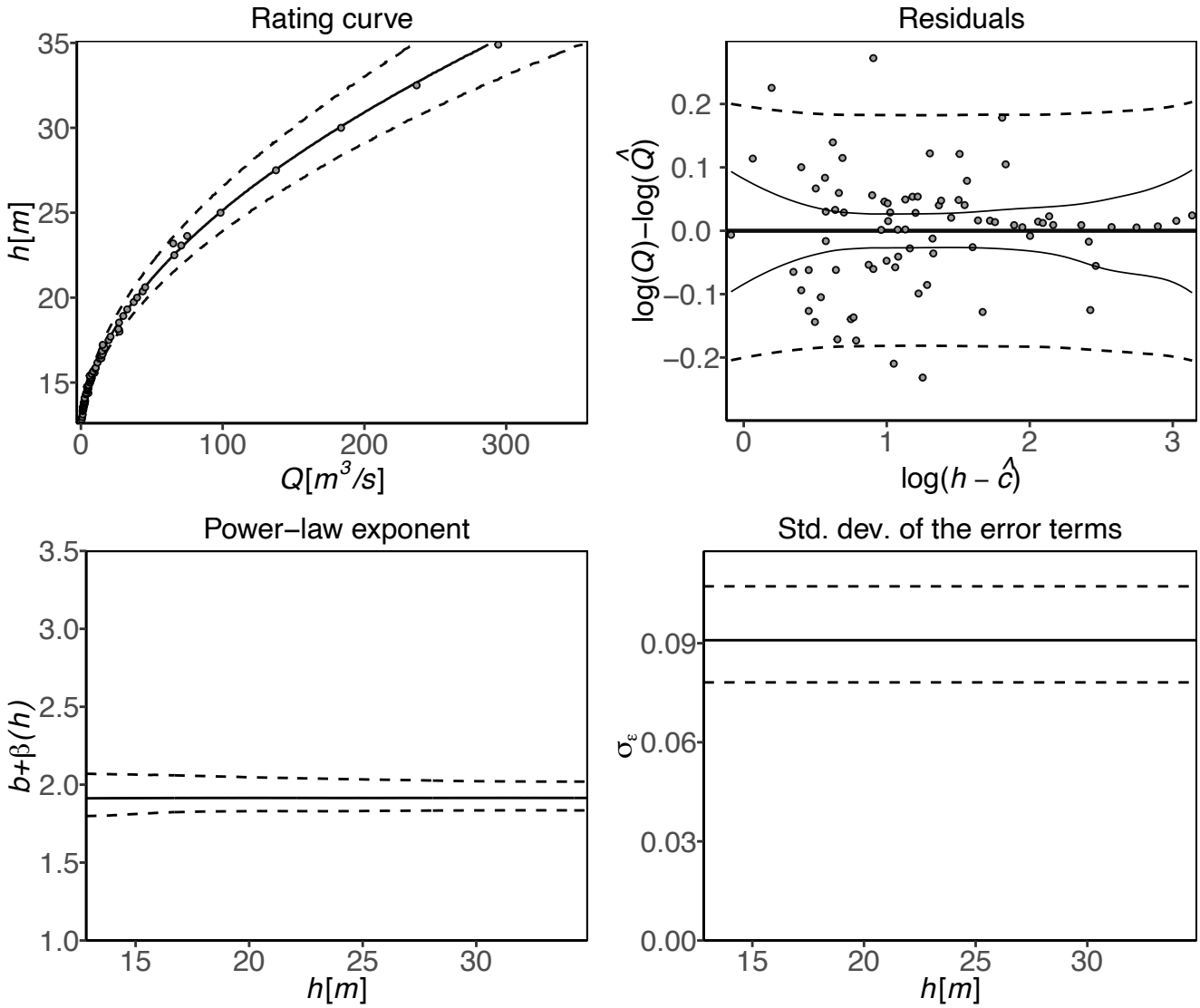


Haukadalsvatn, Iceland – GPLM



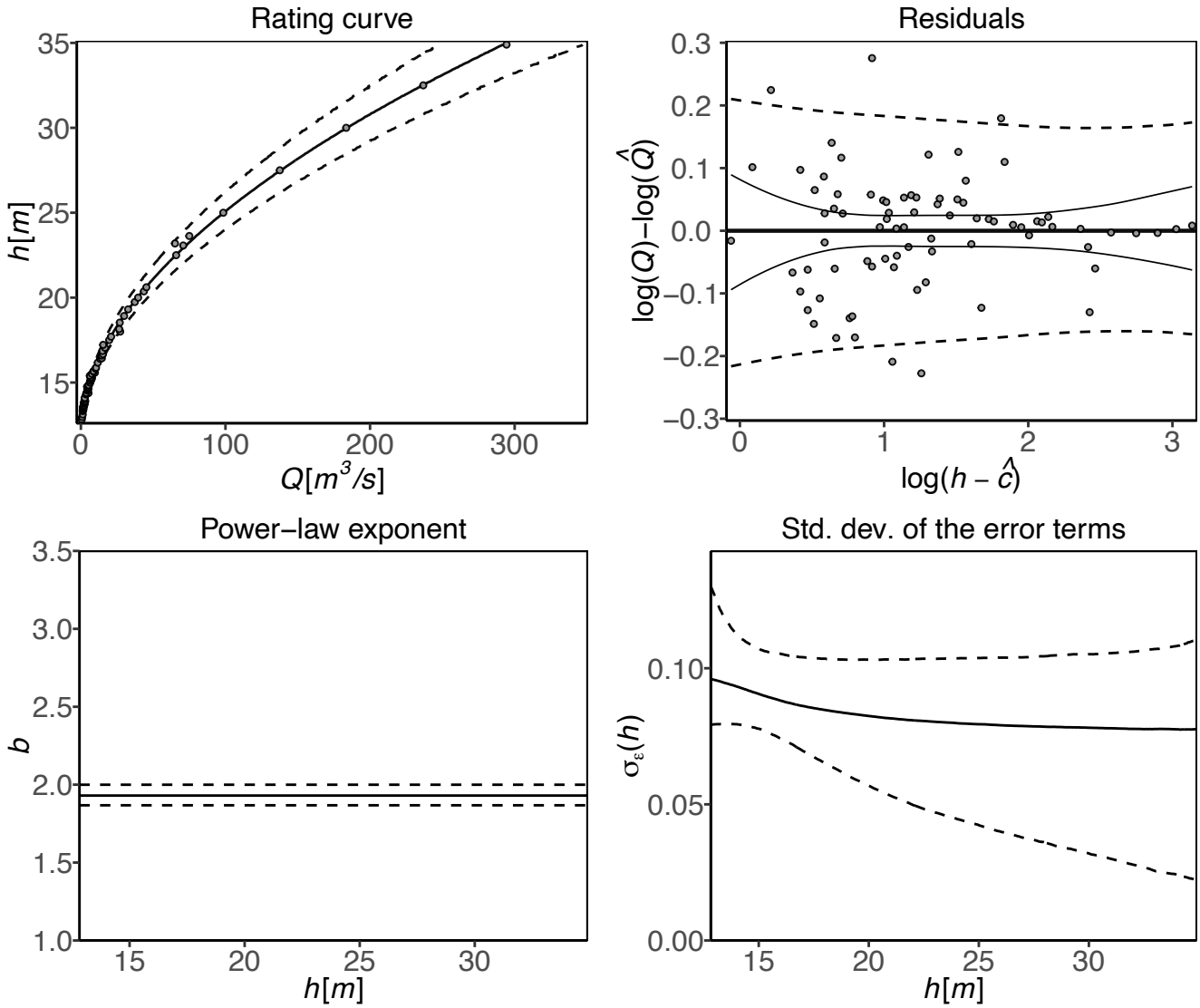
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.72	[0.54; 0.88]	1531	1.00
b	1.84	[1.83; 1.84]	9124	1.00
c	11.91	[11.72; 12.05]	1587	1.00
σ_β	0.10	[0.01; 0.43]	1520	1.00
ϕ_β	167.39	[5.02; 92164.65]	1164	1.01
σ_η	0.22	[0.01; 0.76]	890	1.03
η_1	−4.66	[−5.06; −4.03]	1984	1.00
η_2	−5.26	[−6.97; −3.58]	1489	1.01
η_3	−6.12	[−8.47; −3.22]	1597	1.01
η_4	−6.62	[−9.53; −3.01]	2084	1.00
η_5	−6.85	[−10.39; −2.73]	2425	1.00
η_6	−6.89	[−11.04; −2.38]	2322	1.00

Haukadalsvatn, Iceland – GPLM0



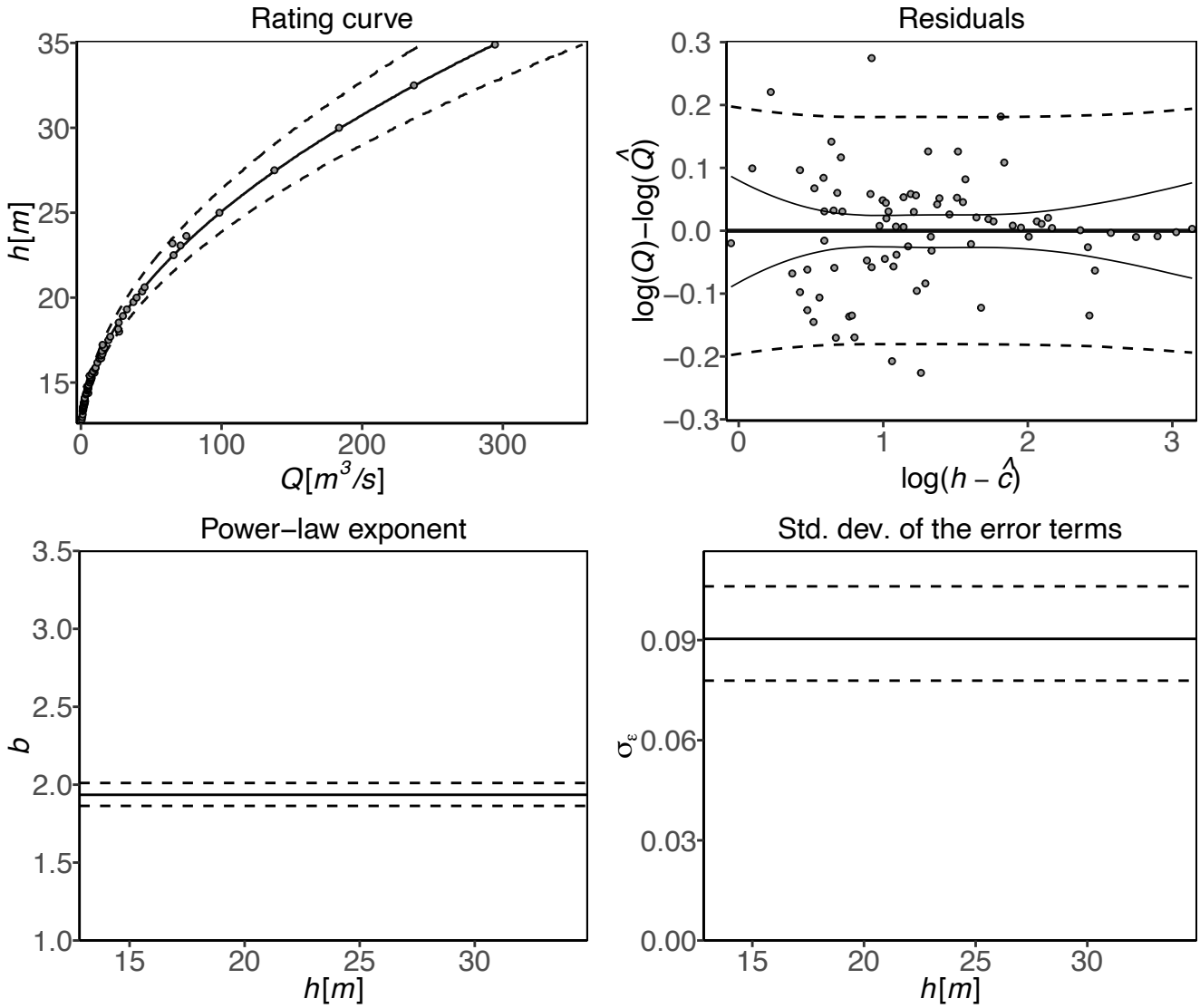
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.71	[0.52; 0.87]	3325	1.00
b	1.84	[1.83; 1.84]	12085	1.00
c	11.90	[11.70; 12.04]	3480	1.00
σ_ε	0.09	[0.08; 0.11]	5109	1.00
σ_β	0.32	[0.11; 0.67]	3287	1.00
ϕ_β	145.91	[4.59; 80684.64]	2117	1.00

Haukadalsvatn, Iceland – PLM



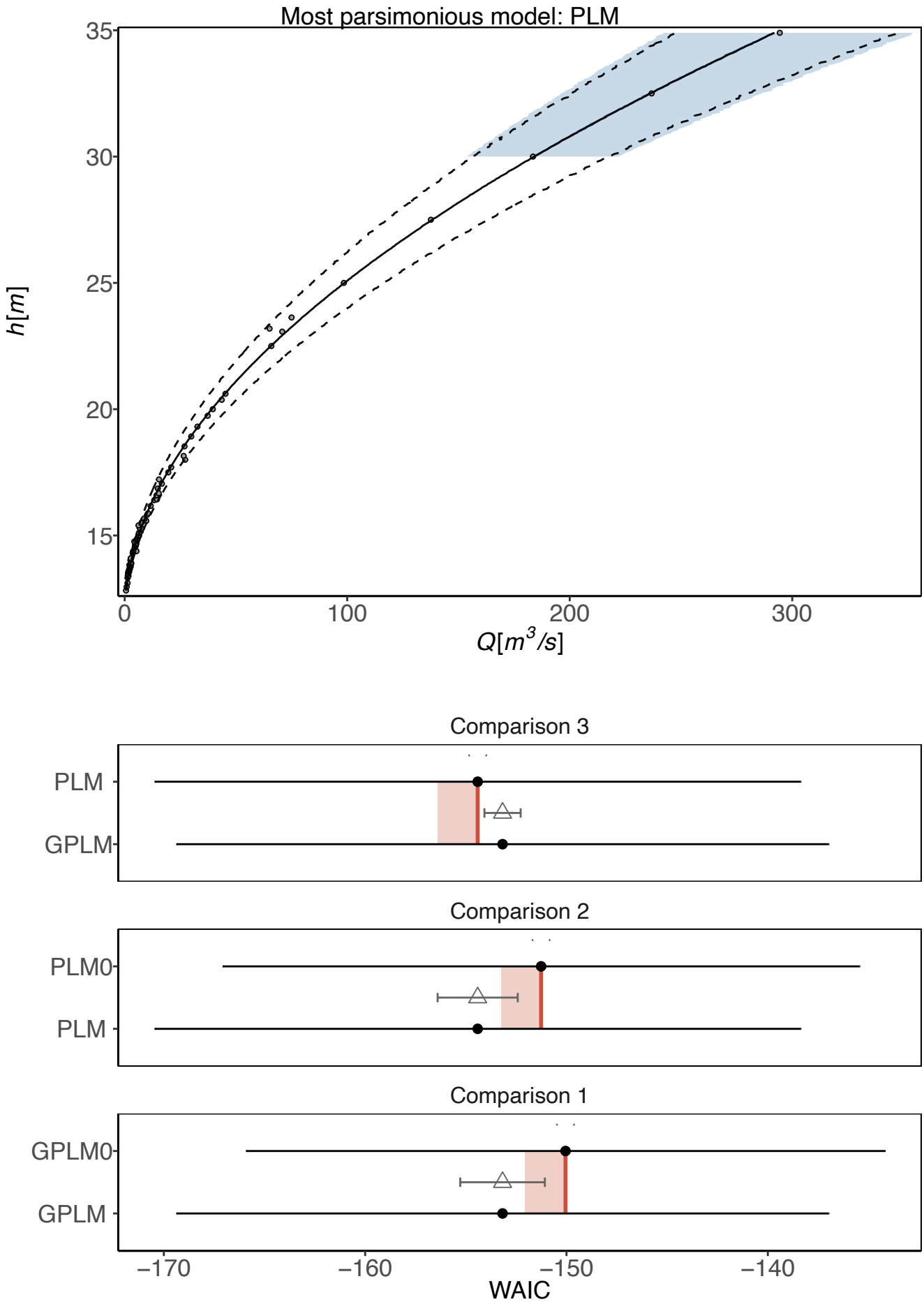
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.69	[0.58; 0.80]	2702	1.00
b	1.93	[1.87; 2.00]	2887	1.00
c	11.88	[11.75; 12.00]	2610	1.00
σ_η	0.21	[0.01; 0.74]	904	1.02
η_1	–4.69	[–5.07; –4.08]	2342	1.00
η_2	–5.21	[–6.91; –3.47]	1714	1.01
η_3	–6.05	[–8.33; –3.19]	1815	1.01
η_4	–6.56	[–9.38; –2.85]	2442	1.00
η_5	–6.77	[–10.25; –2.44]	2499	1.00
η_6	–6.87	[–10.88; –2.11]	2934	1.00

Haukadalsvatn, Iceland – PLM0



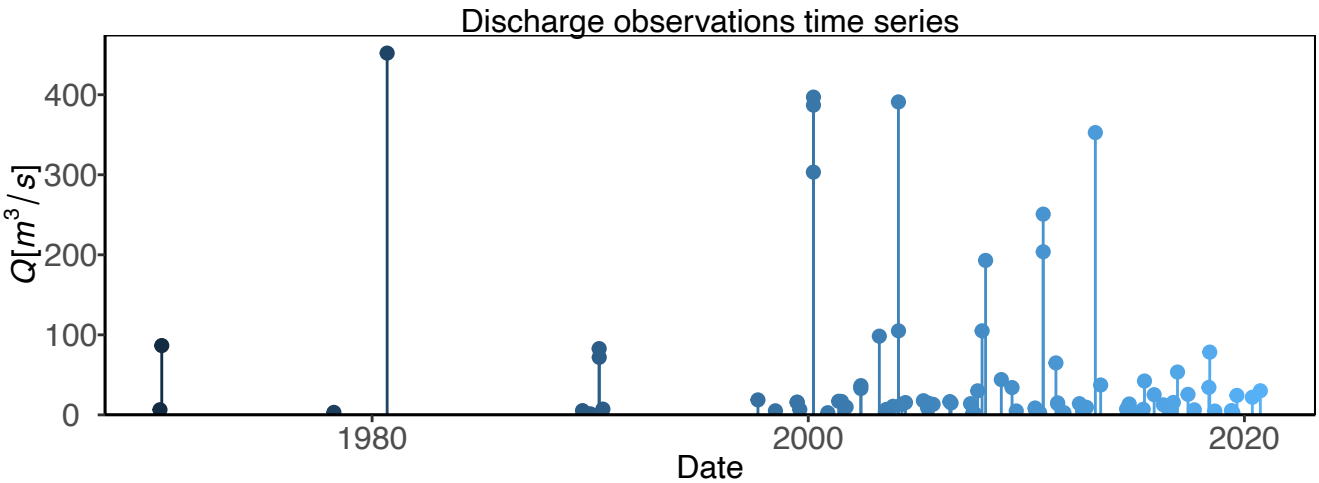
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.68	[0.56; 0.80]	9180	1.00
b	1.93	[1.86; 2.01]	9608	1.00
c	11.87	[11.73; 11.99]	8864	1.00
σ_ε	0.09	[0.08; 0.11]	10367	1.00

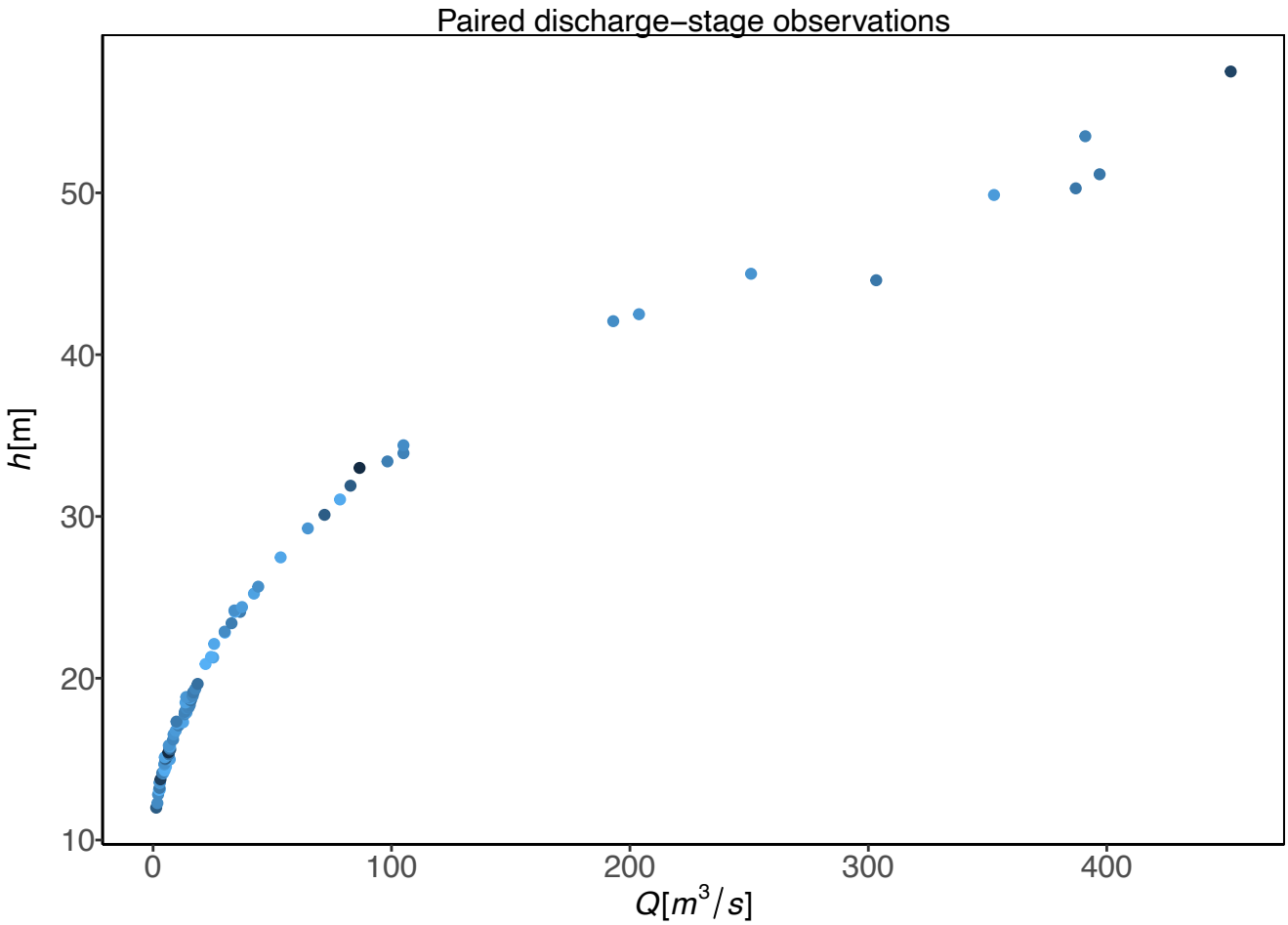
Power−law tournament results for Haukadalsvatn, Iceland



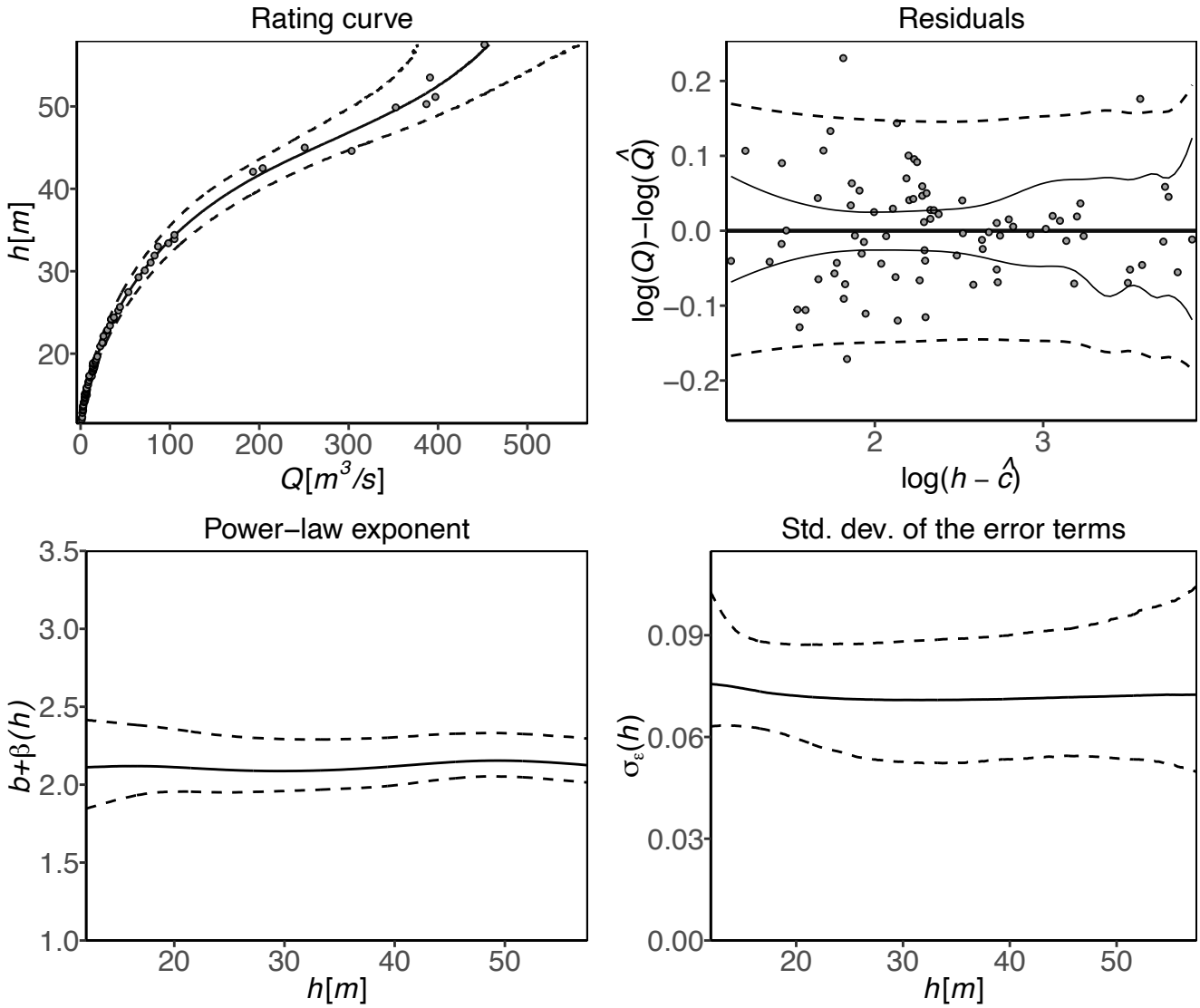
Station name:	Stekkur
Location:	Iceland
Station number:	V128
Number of observations:	82
Start date:	1970–04–10
End date:	2020–09–24
Max. discharge (m^3/s):	452
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.18	0.48
GPLM0	0.00	0.52
PLM	25.44	0.00
PLM0	25.91	0.00



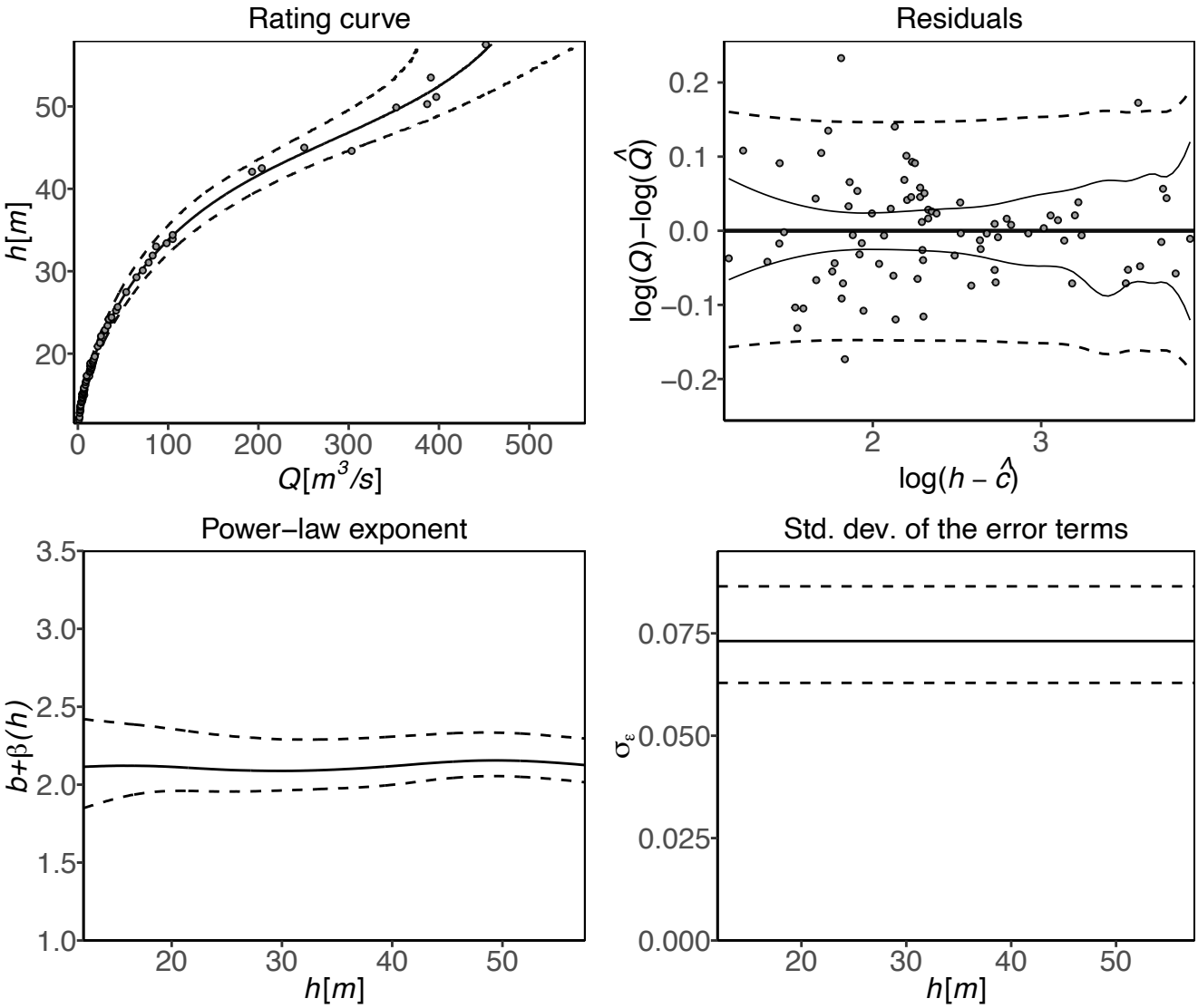


Stekkur, Iceland – GPLM



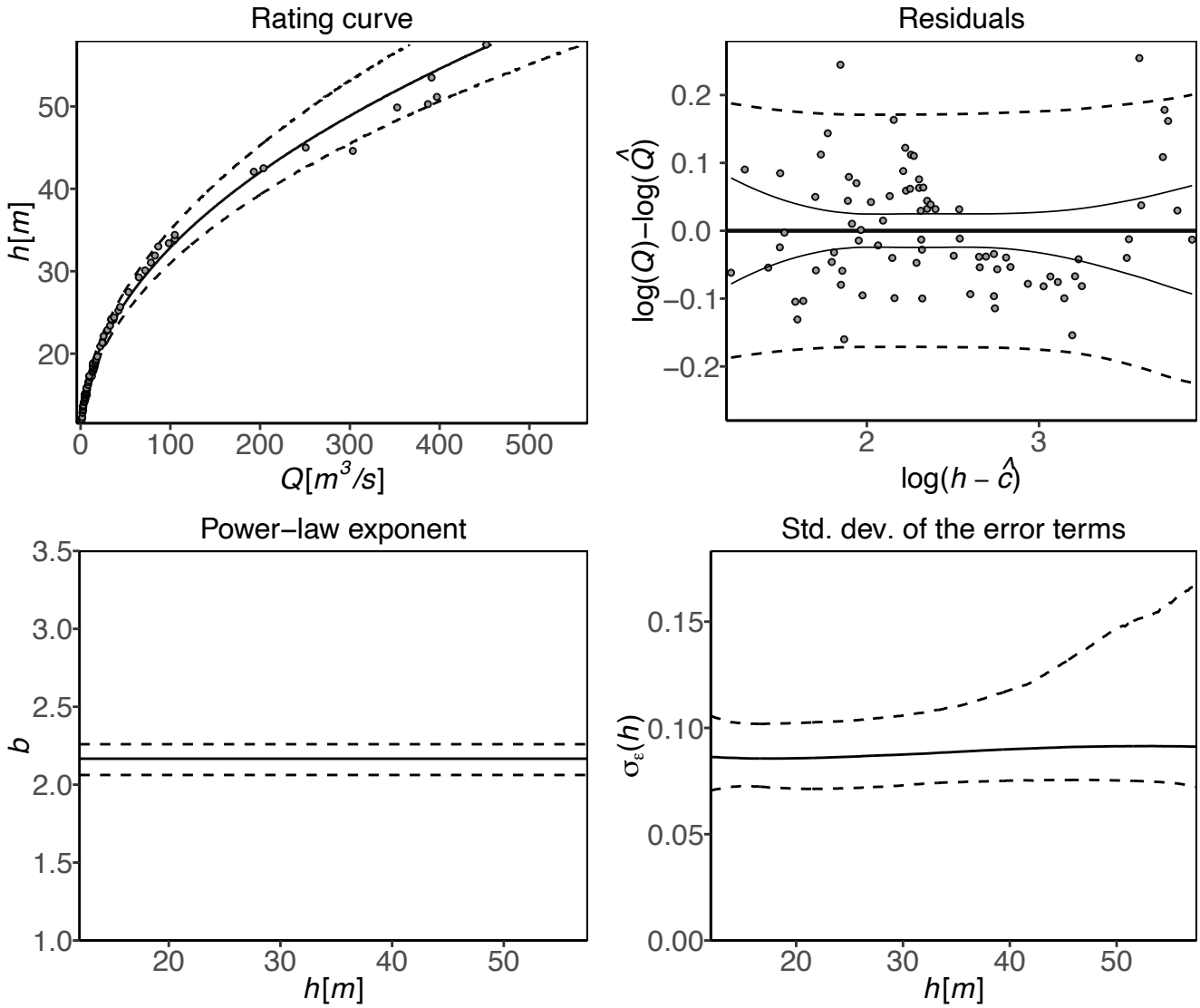
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.12	[0.06; 0.18]	2628	1.00
b	1.84	[1.83; 1.84]	9067	1.00
c	8.85	[8.32; 8.98]	1354	1.01
σ_β	0.23	[0.11; 0.60]	2023	1.01
ϕ_β	32.79	[13.82; 204.16]	790	1.10
σ_η	0.10	[0.00; 0.58]	1114	1.01
η_1	–5.16	[–5.53; –4.55]	2411	1.00
η_2	–5.56	[–7.36; –3.62]	1715	1.01
η_3	–5.99	[–8.45; –3.06]	1863	1.01
η_4	–5.85	[–8.81; –2.38]	2076	1.00
η_5	–5.70	[–9.15; –1.86]	2074	1.00
η_6	–5.70	[–9.55; –1.51]	2154	1.00

Stekkur, Iceland – GPLM0



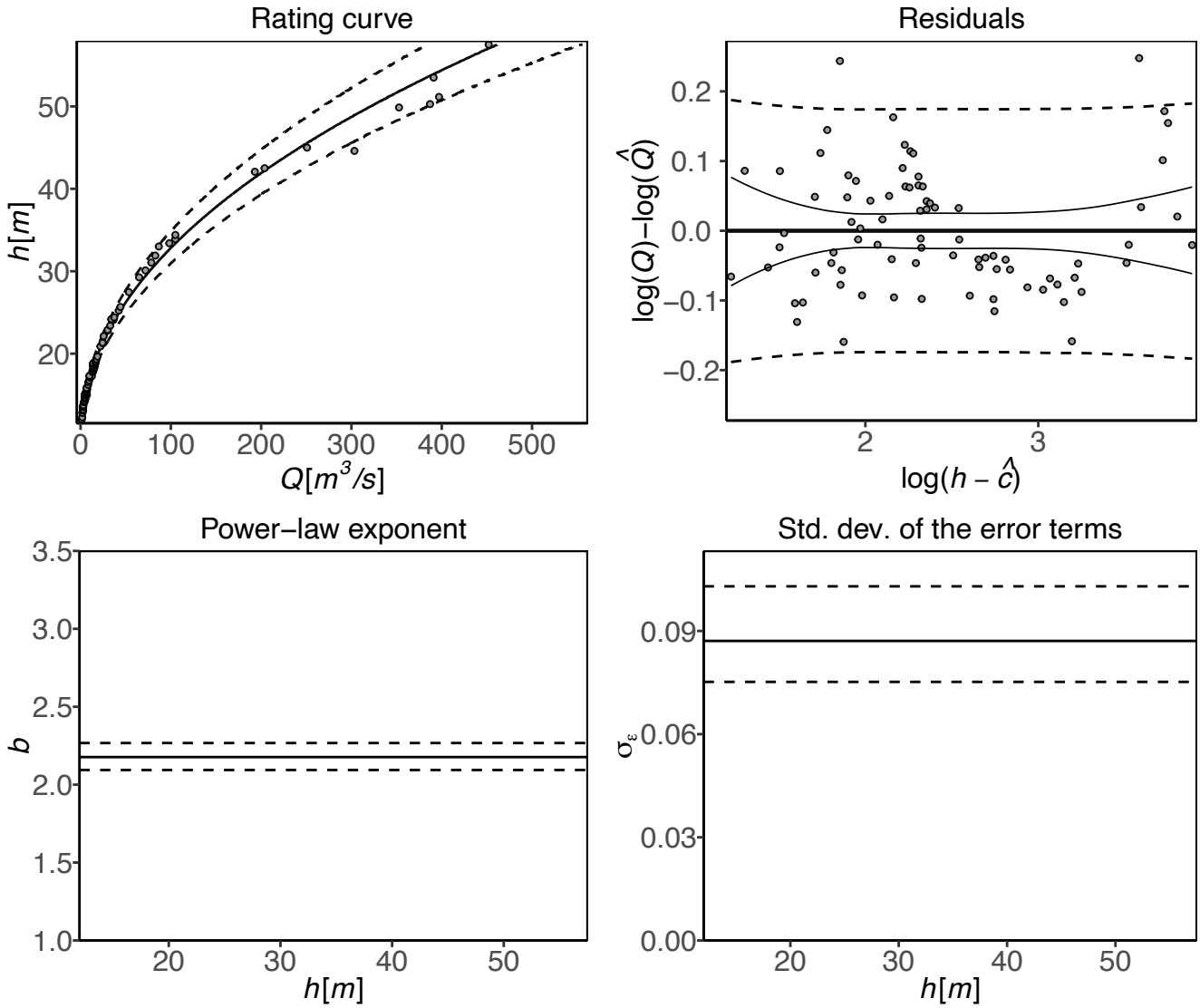
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.12	[0.06; 0.18]	6524	1.00
b	1.84	[1.83; 1.84]	13386	1.00
c	8.86	[8.32; 8.98]	2375	1.00
σ_ε	0.07	[0.06; 0.09]	5008	1.00
σ_β	0.49	[0.33; 0.78]	6462	1.00
ϕ_β	33.10	[14.53; 68.65]	4007	1.00

Stekkur, Iceland – PLM



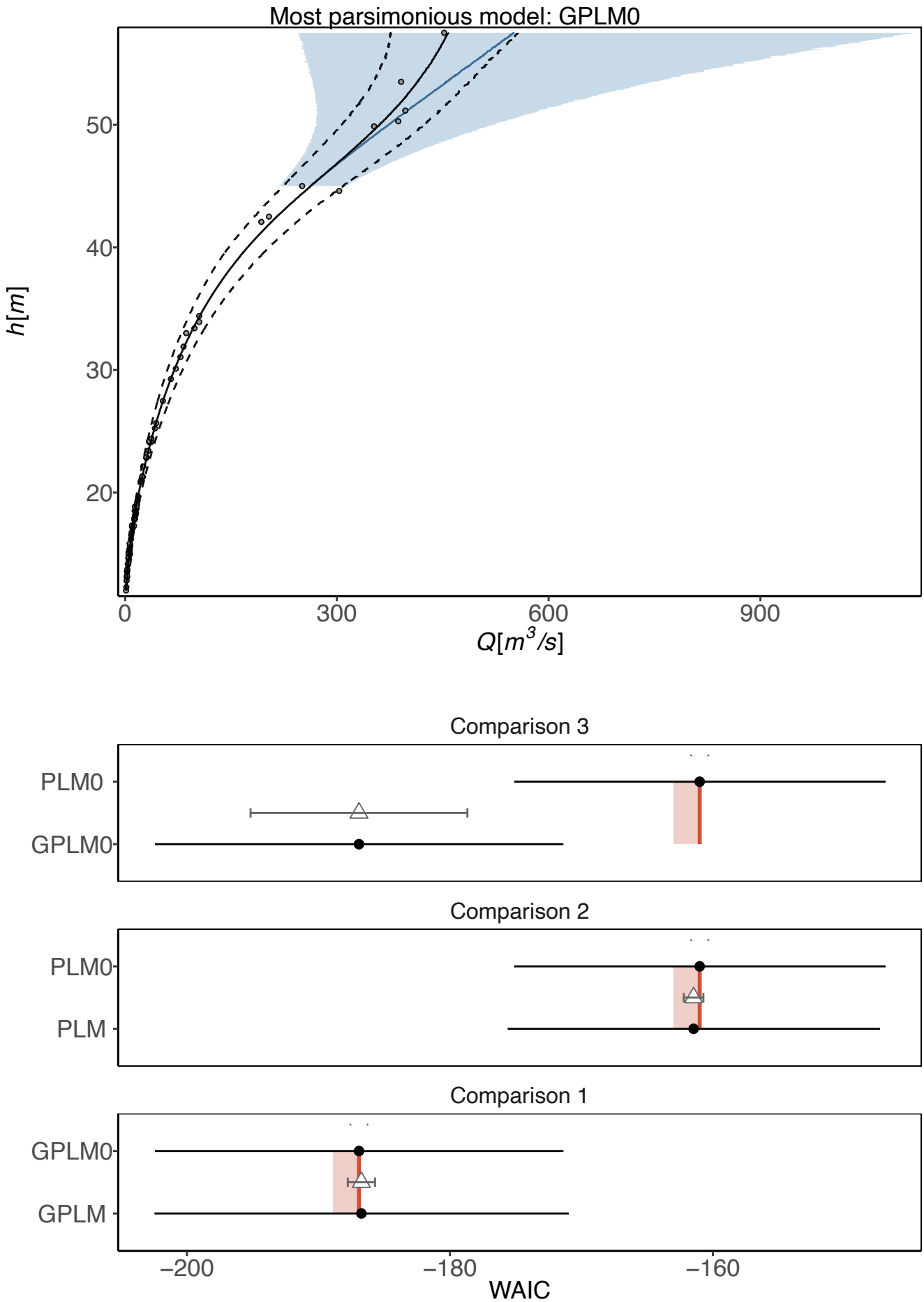
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.10	[0.07; 0.14]	2572	1.00
b	2.17	[2.06; 2.26]	2619	1.00
c	8.64	[8.19; 9.08]	2525	1.00
σ_η	0.10	[0.00; 0.60]	1591	1.00
η_1	–4.90	[–5.31; –4.50]	2486	1.00
η_2	–5.01	[–6.77; –3.13]	2444	1.00
η_3	–4.81	[–7.23; –2.31]	2265	1.00
η_4	–4.26	[–7.55; –1.45]	2608	1.00
η_5	–3.94	[–7.83; –0.81]	2556	1.00
η_6	–4.01	[–8.32; –0.29]	2683	1.00

Stekkur, Iceland – PLM0



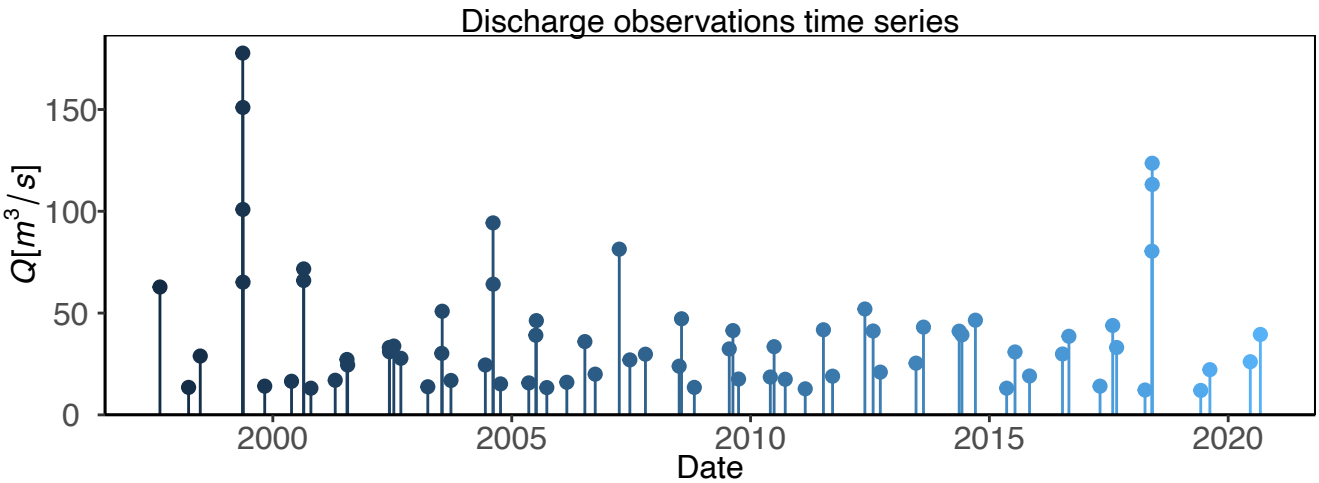
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.10	[0.07; 0.13]	9463	1.00
b	2.18	[2.09; 2.27]	9713	1.00
c	8.60	[8.16; 9.00]	9322	1.00
σ_ε	0.09	[0.08; 0.10]	10194	1.00

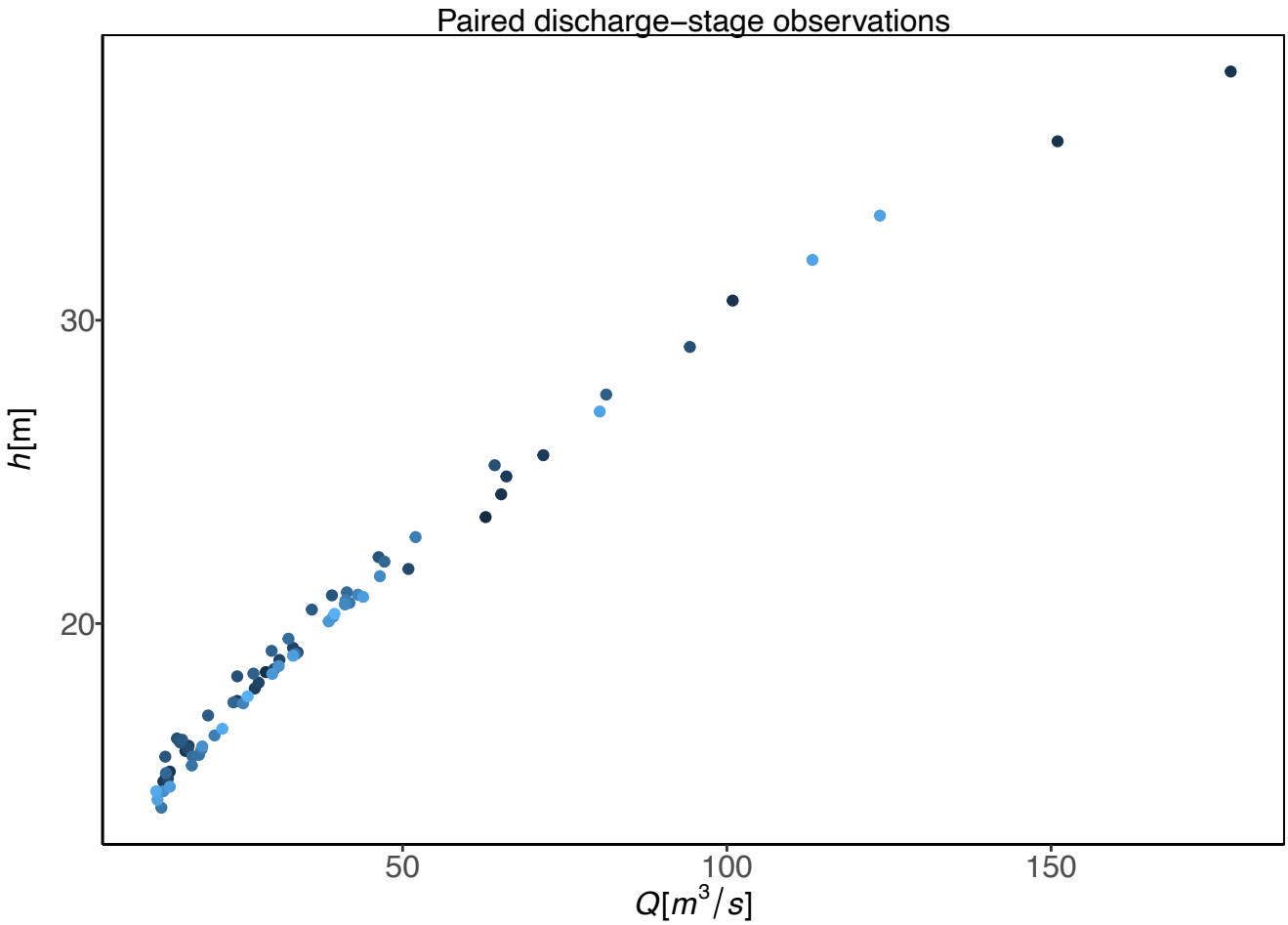
Power−law tournament results for Stekkur, Iceland



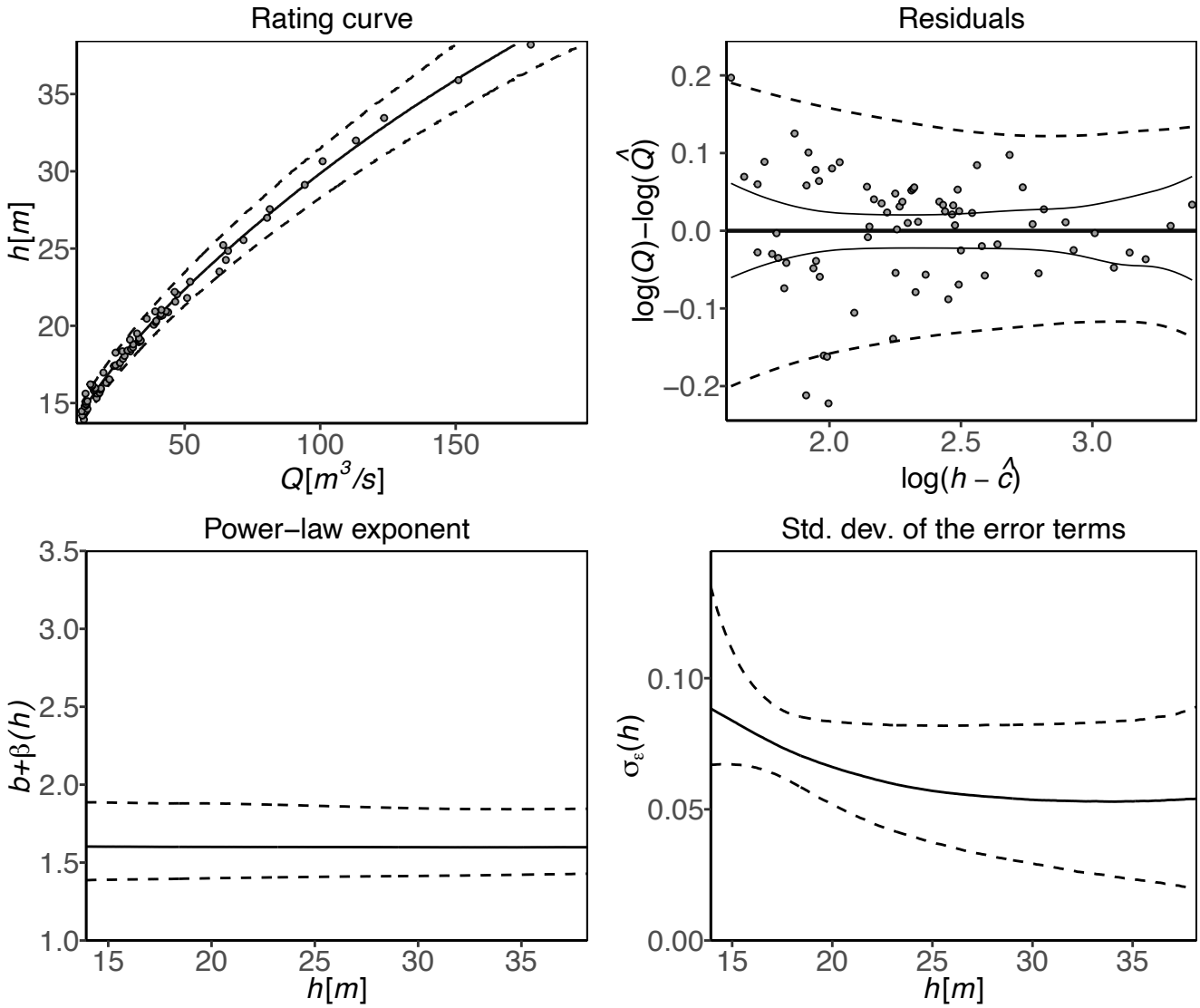
Station name:	Goðdalabrú
Location:	Iceland
Station number:	V145
Number of observations:	73
Start date:	1997–08–21
End date:	2020–09–03
Max. discharge (m^3/s):	177.7
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.00	0.53
GPLM0	9.04	0.01
PLM	0.25	0.46
PLM0	9.79	0.00



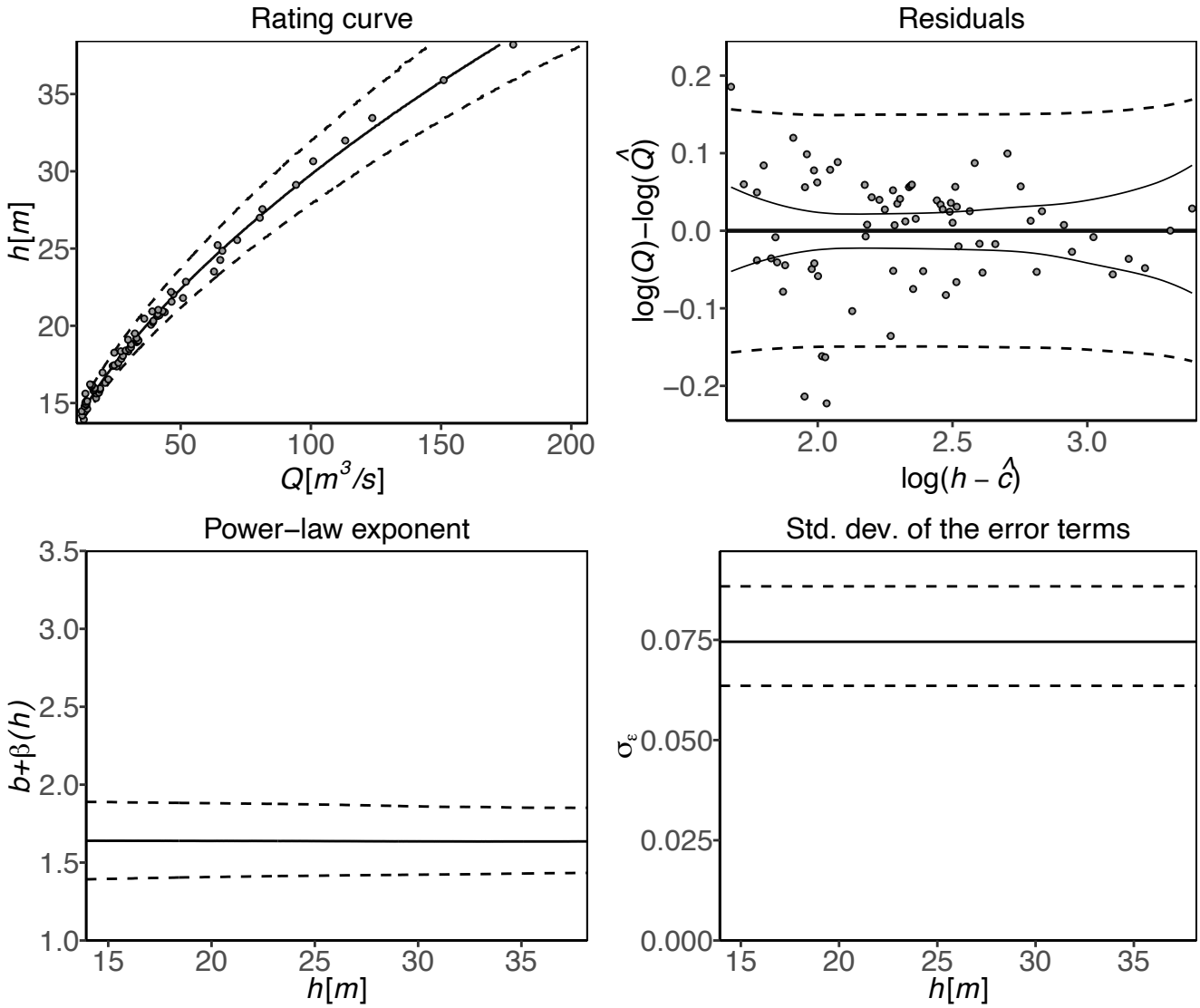


Goðdalabrú, Iceland – GPLM



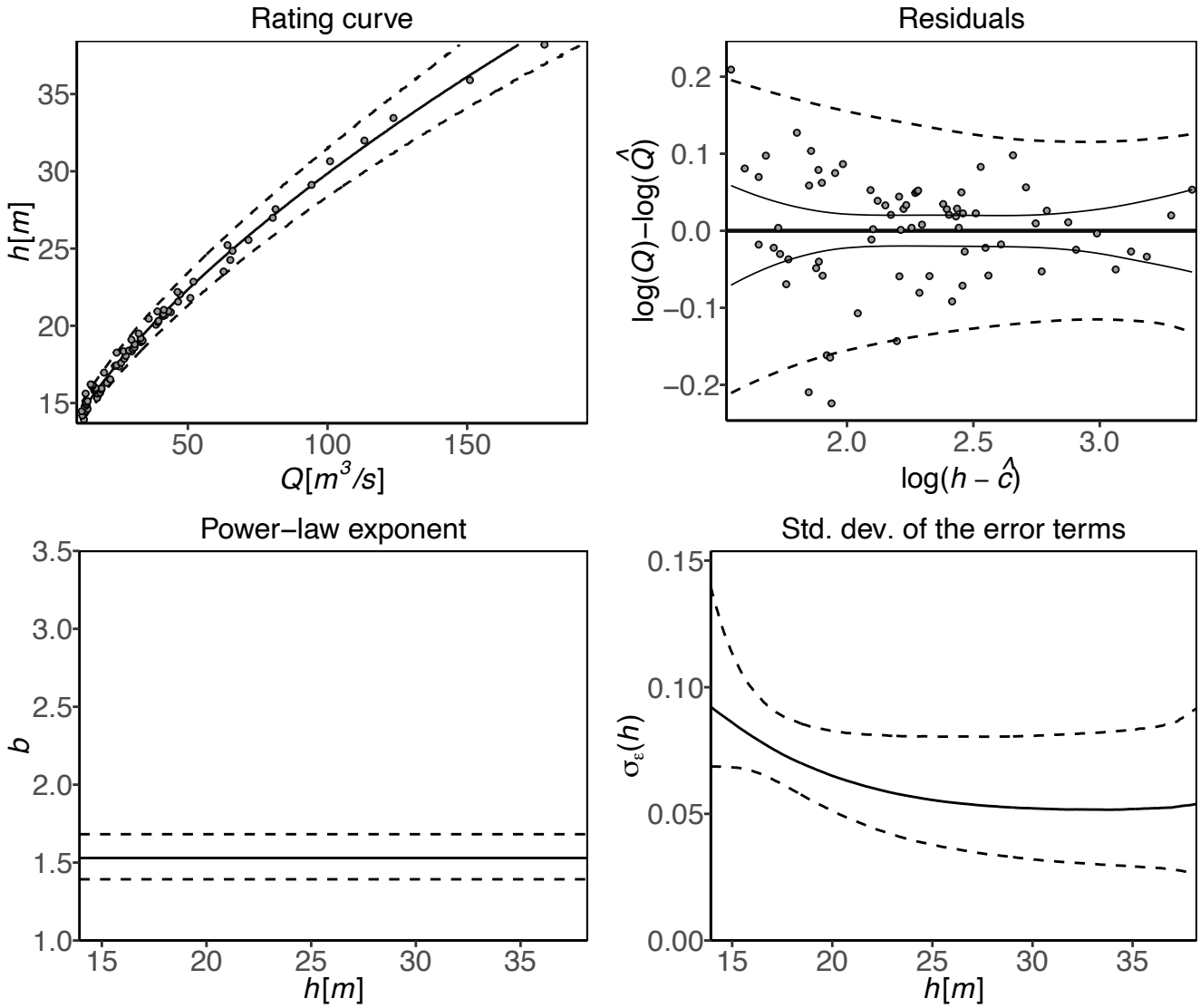
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.77	[0.31; 1.42]	967	1.03
b	1.83	[1.83; 1.84]	7733	1.00
c	8.85	[7.12; 9.83]	803	1.05
σ_β	0.20	[0.02; 0.61]	1711	1.01
ϕ_β	199.38	[8.68; 12202.61]	804	1.07
σ_η	0.36	[0.01; 0.87]	778	1.12
η_1	−4.85	[−5.41; −4.00]	1295	1.03
η_2	−5.62	[−7.16; −4.07]	1312	1.03
η_3	−6.91	[−8.90; −4.11]	1303	1.03
η_4	−7.52	[−10.05; −3.83]	1775	1.02
η_5	−7.65	[−10.77; −3.61]	2065	1.00
η_6	−7.61	[−11.40; −3.40]	2061	1.01

Goðdalabrú, Iceland – GPLM0



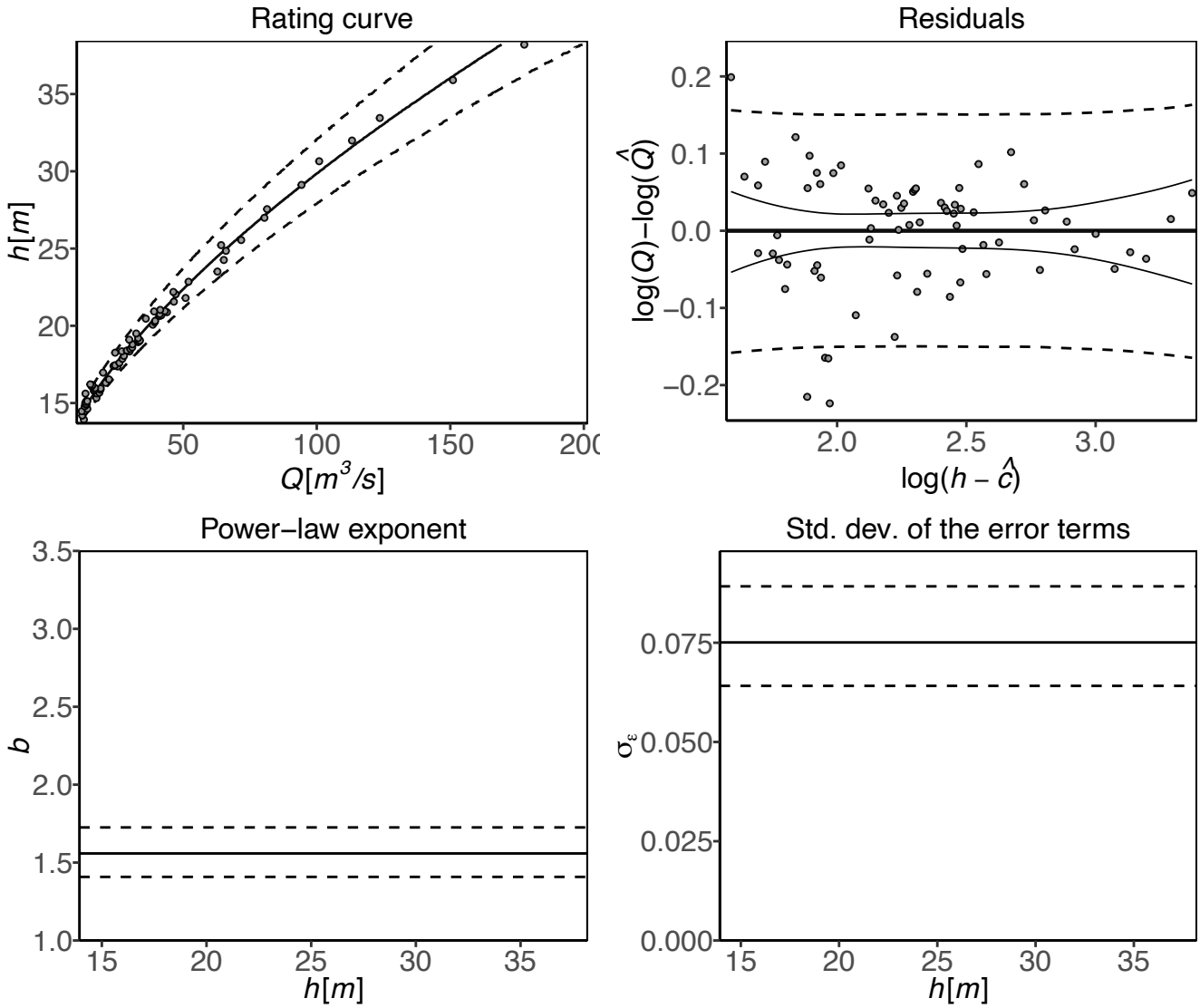
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.68	[0.30; 1.38]	2759	1.00
b	1.83	[1.83; 1.84]	9145	1.00
c	8.57	[7.04; 9.75]	1540	1.00
σ_ε	0.07	[0.06; 0.09]	4253	1.00
σ_β	0.43	[0.11; 0.77]	1961	1.00
ϕ_β	233.82	[7.30; 72398.40]	2229	1.00

Goðdalabrú, Iceland – PLM



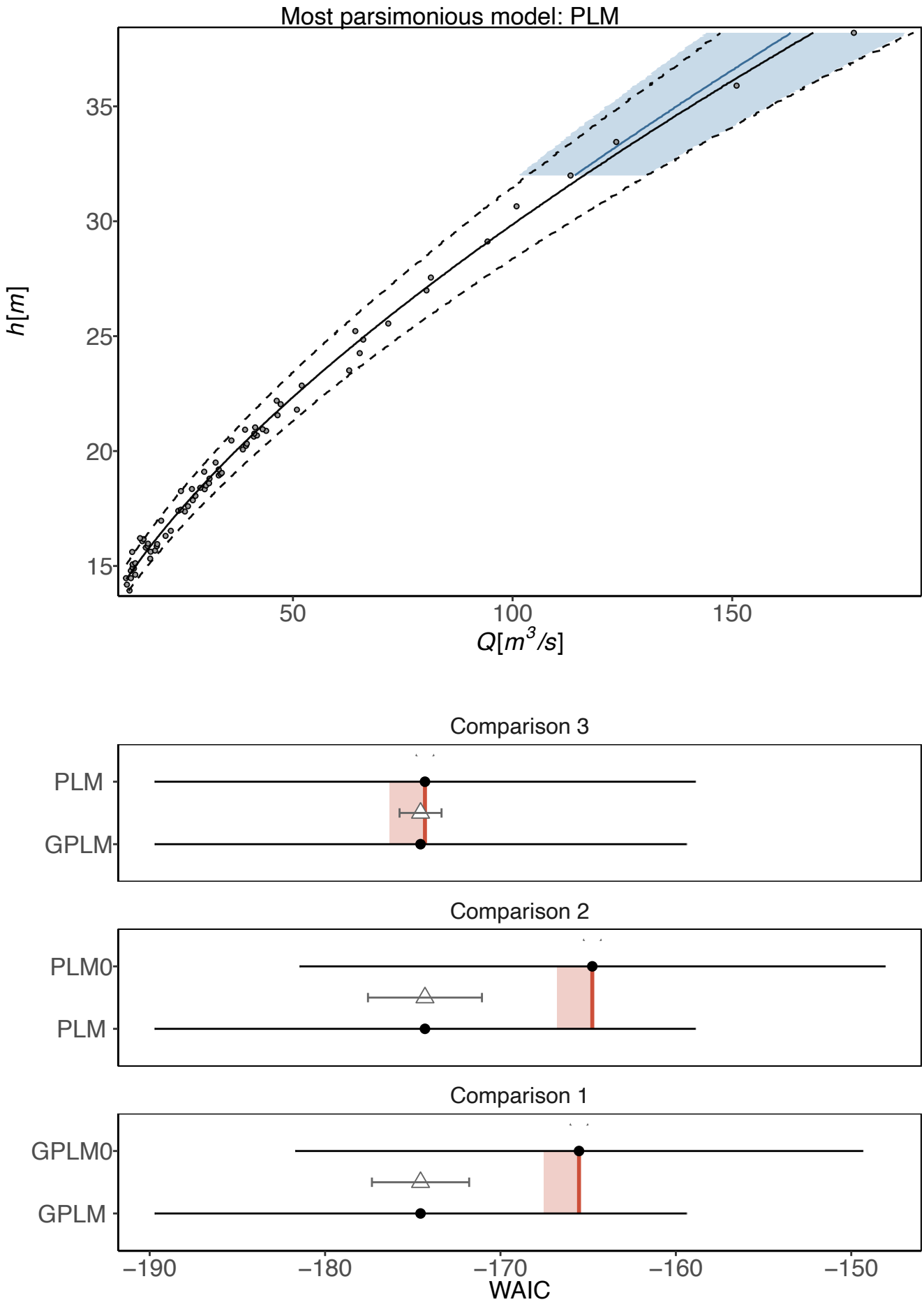
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.98	[0.57; 1.55]	2607	1.00
b	1.53	[1.39; 1.68]	2685	1.00
c	9.26	[8.18; 10.19]	2499	1.00
σ_η	0.39	[0.05; 0.87]	913	1.02
η_1	–4.76	[–5.36; –3.93]	1670	1.01
η_2	–5.72	[–7.27; –4.36]	1921	1.01
η_3	–7.08	[–9.08; –4.98]	1861	1.00
η_4	–7.63	[–10.17; –4.98]	2320	1.00
η_5	–7.70	[–10.69; –4.64]	2699	1.00
η_6	–7.62	[–11.09; –4.18]	2756	1.00

Goðdalabrú, Iceland – PLM0



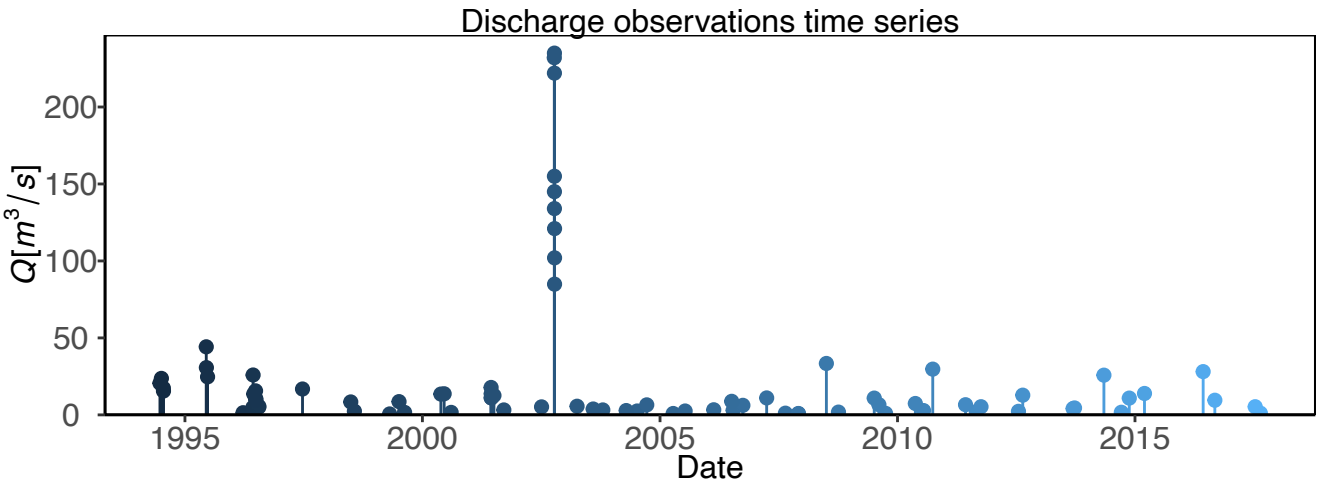
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.88	[0.50; 1.45]	9503	1.00
b	1.56	[1.41; 1.73]	9575	1.00
c	9.03	[7.94; 9.97]	9366	1.00
σ_ε	0.08	[0.06; 0.09]	9372	1.00

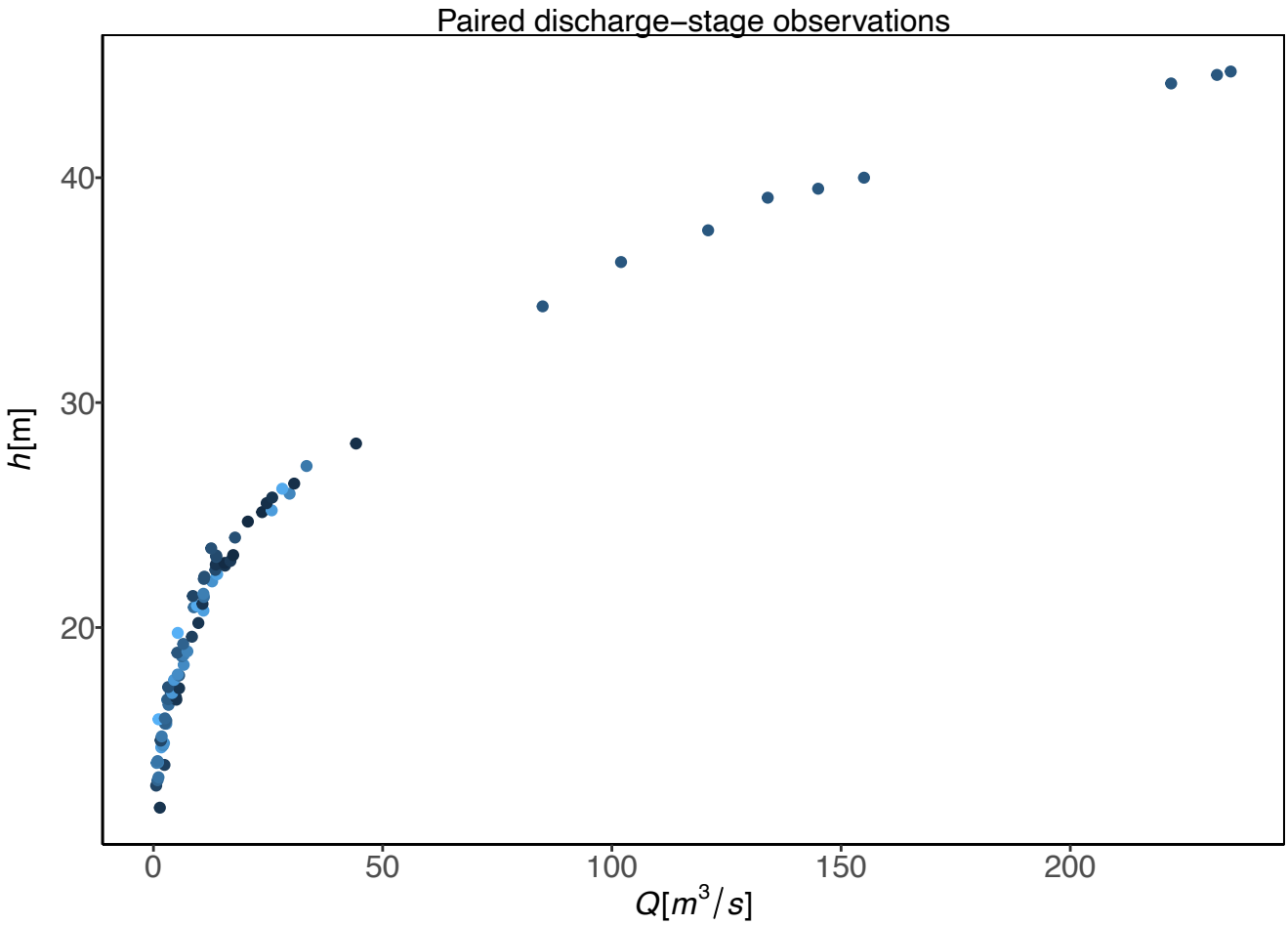
Power−law tournament results for Goðdalabrú, Iceland



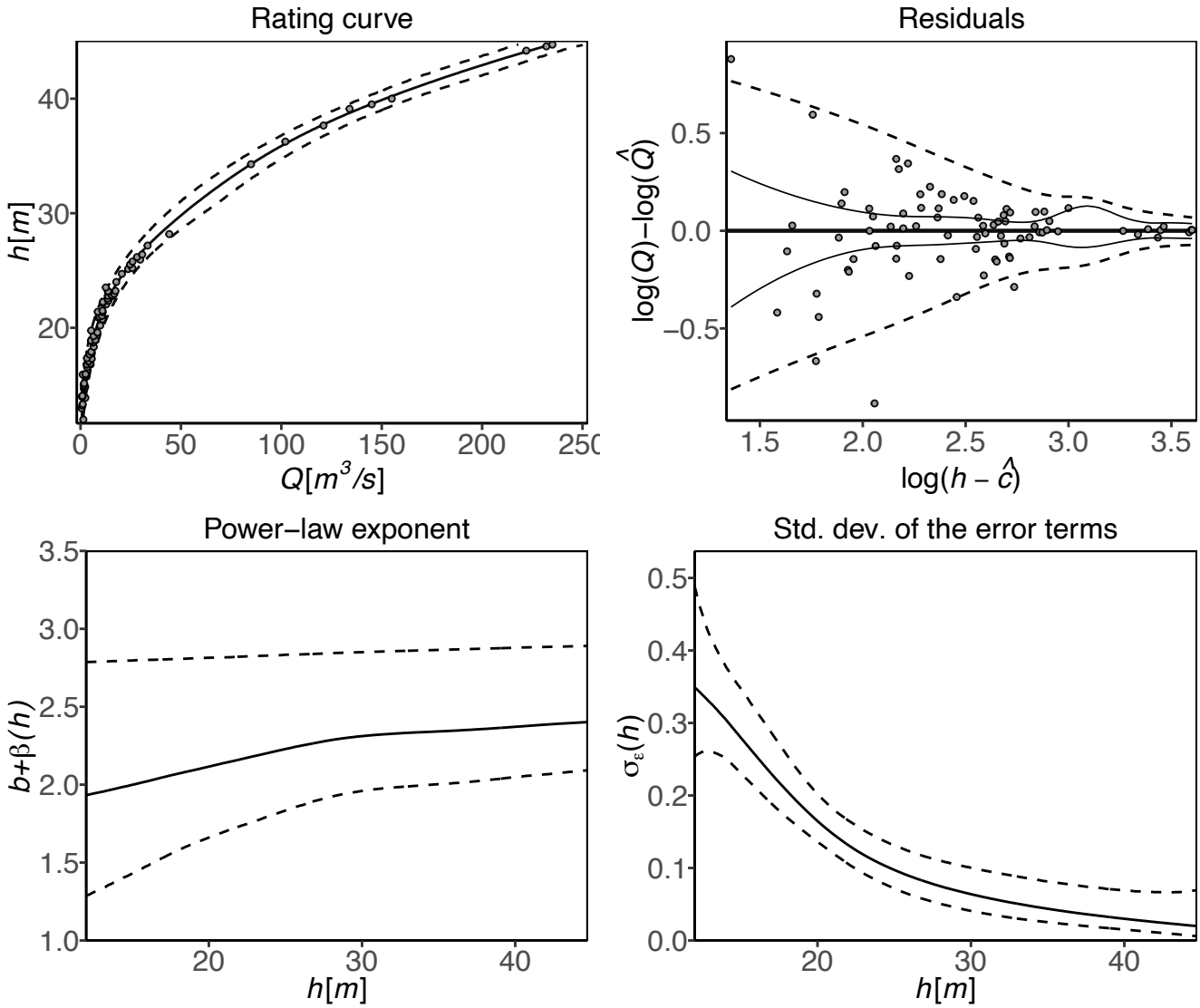
Station name:	Eyjólfsstaðir
Location:	Iceland
Station number:	V148
Number of observations:	80
Start date:	1994–06–23
End date:	2017–08–22
Max. discharge (m^3/s):	235
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.00	0.87
GPLM0	70.96	0.00
PLM	3.84	0.13
PLM0	77.67	0.00



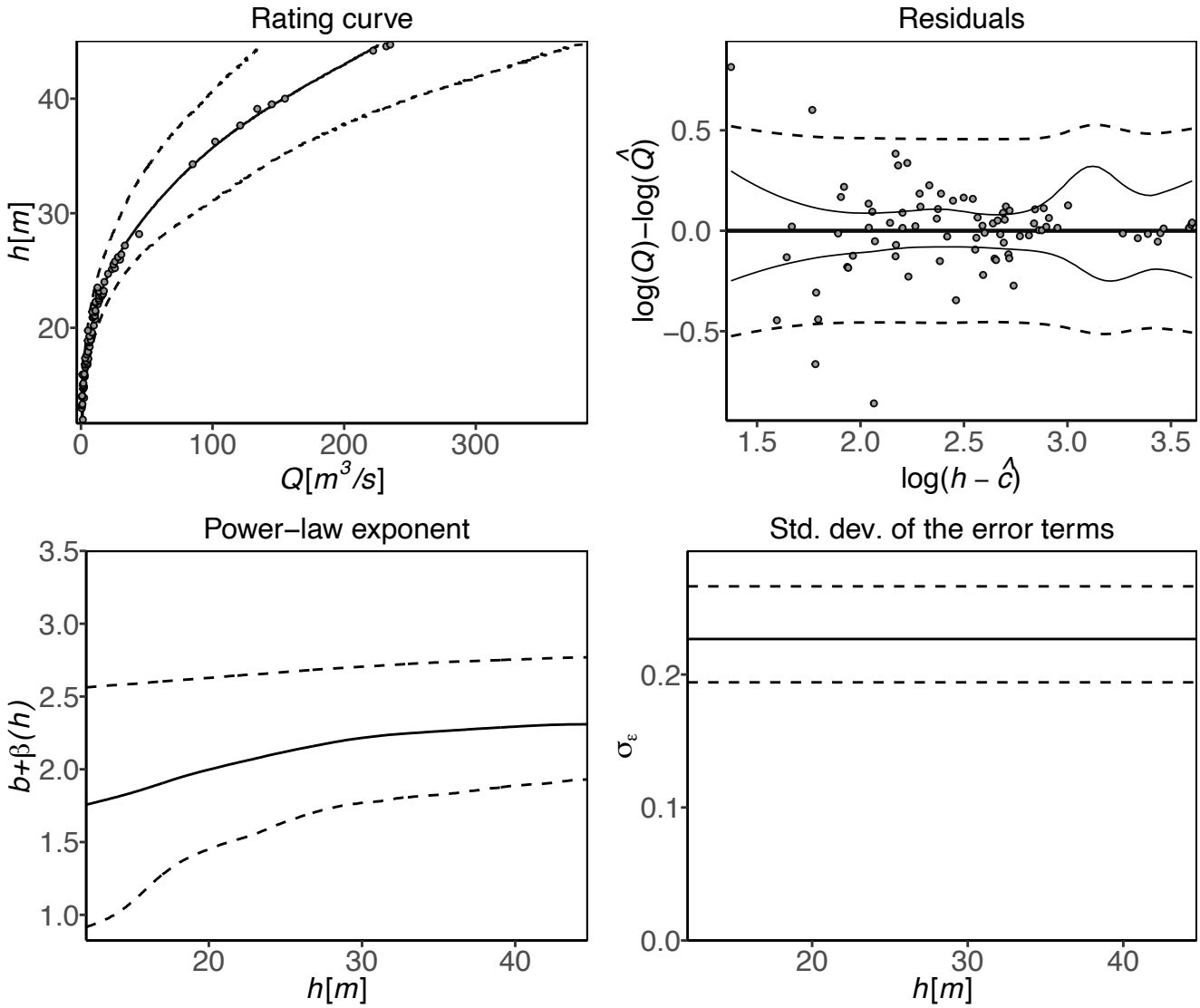


Eyjólfsstaðir, Iceland – GPLM



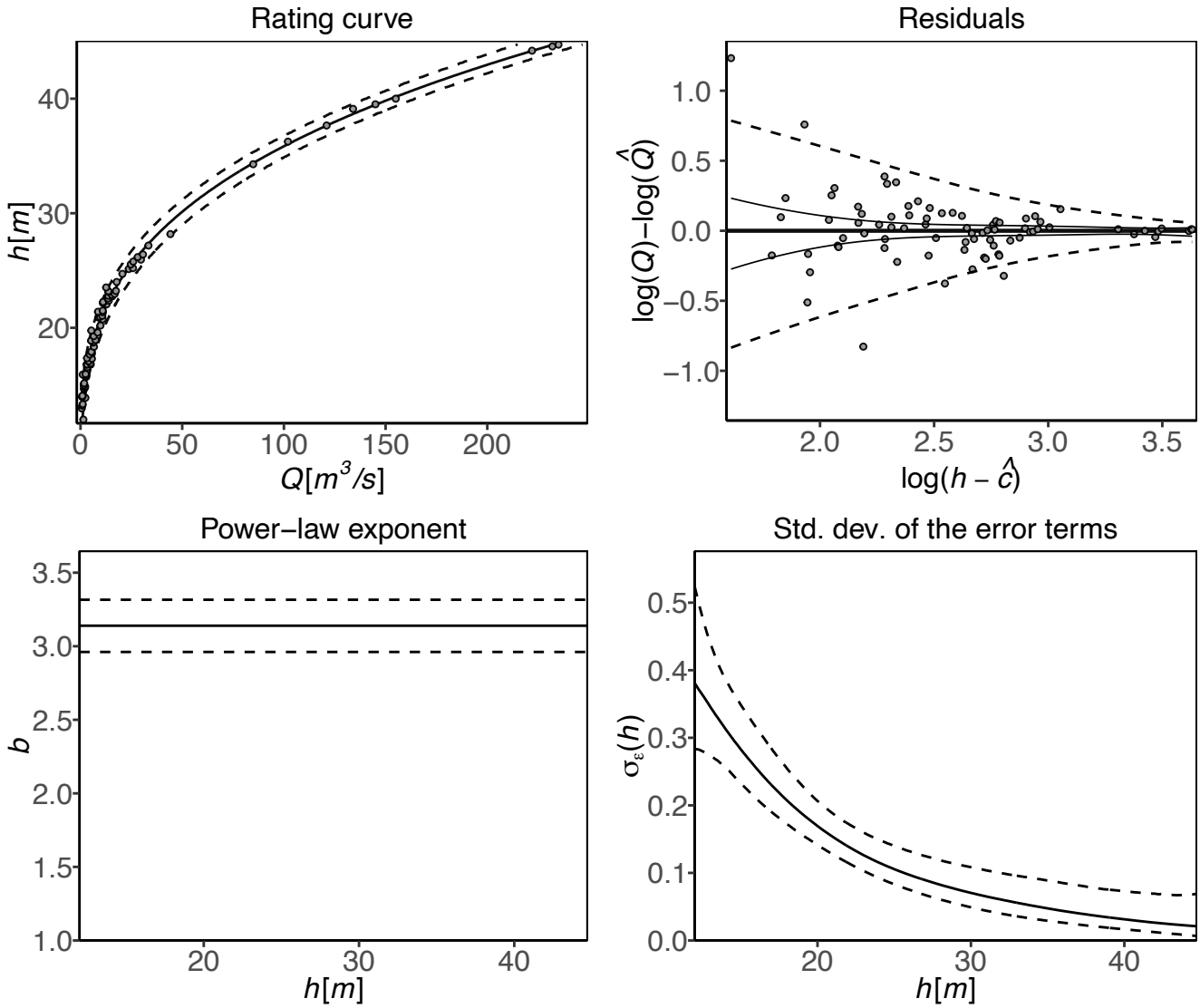
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.04	[0.01; 0.13]	1496	1.01
b	1.84	[1.83; 1.84]	10321	1.00
c	8.09	[7.00; 8.36]	1667	1.00
σ_β	0.40	[0.19; 0.91]	2192	1.00
ϕ_β	32.66	[12.13; 277.95]	1031	1.02
σ_η	0.96	[0.59; 1.47]	1798	1.00
η_1	–2.11	[–2.75; –1.43]	2211	1.00
η_2	–2.51	[–3.62; –1.70]	1611	1.01
η_3	–4.60	[–6.13; –3.47]	2124	1.00
η_4	–6.29	[–8.40; –4.47]	2170	1.00
η_5	–7.33	[–9.85; –5.28]	2092	1.00
η_6	–8.08	[–11.06; –5.52]	2338	1.00

Eyjólfsstaðir, Iceland – GPLM0



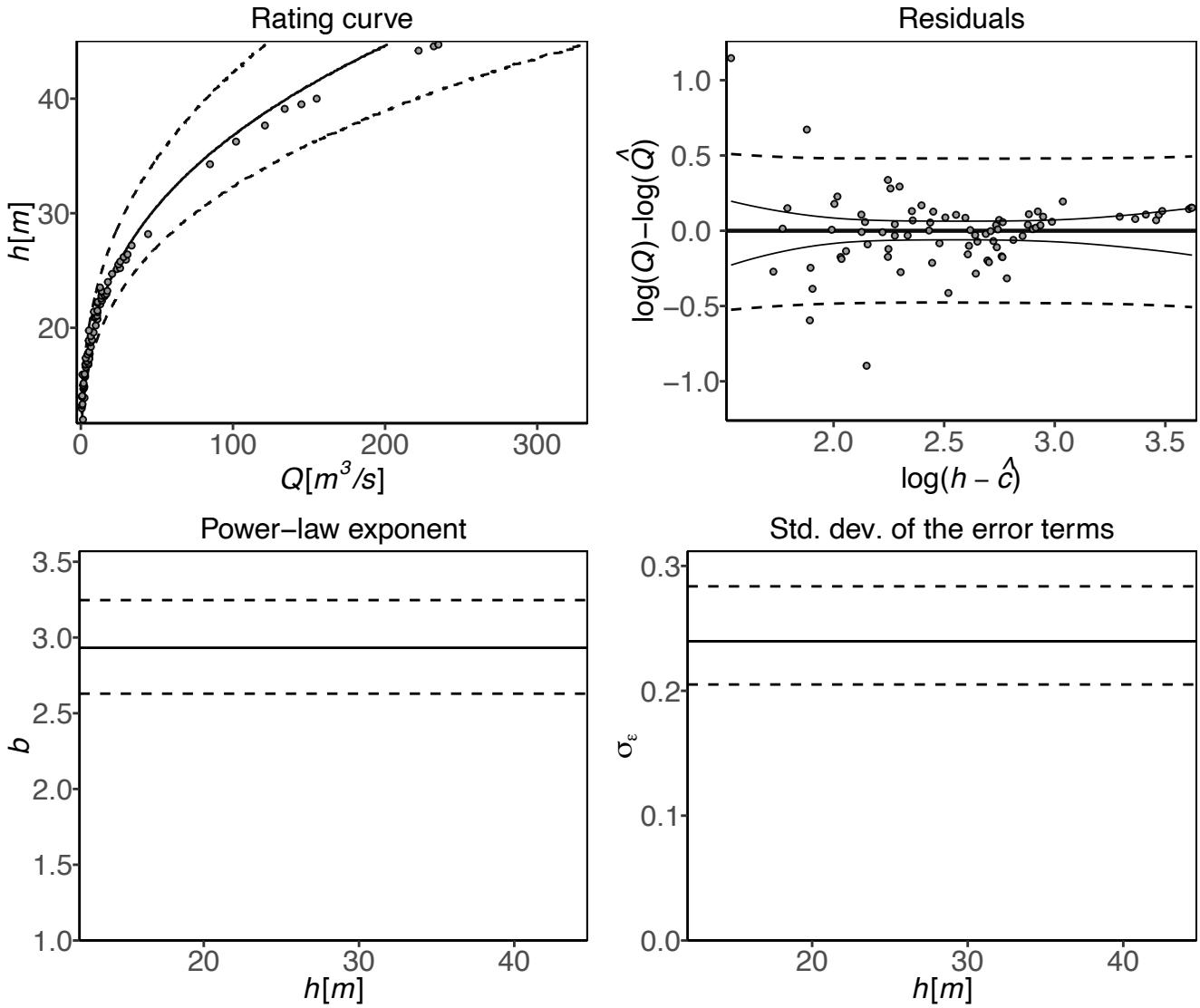
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.05	[0.01; 0.22]	3840	1.00
b	1.84	[1.83; 1.84]	13504	1.00
c	8.04	[6.73; 8.36]	3086	1.00
σ_ε	0.23	[0.19; 0.27]	5240	1.00
σ_β	0.61	[0.42; 0.92]	5190	1.00
ϕ_β	26.15	[5.91; 138.03]	2612	1.00

Eyjólfsstaðir, Iceland – PLM



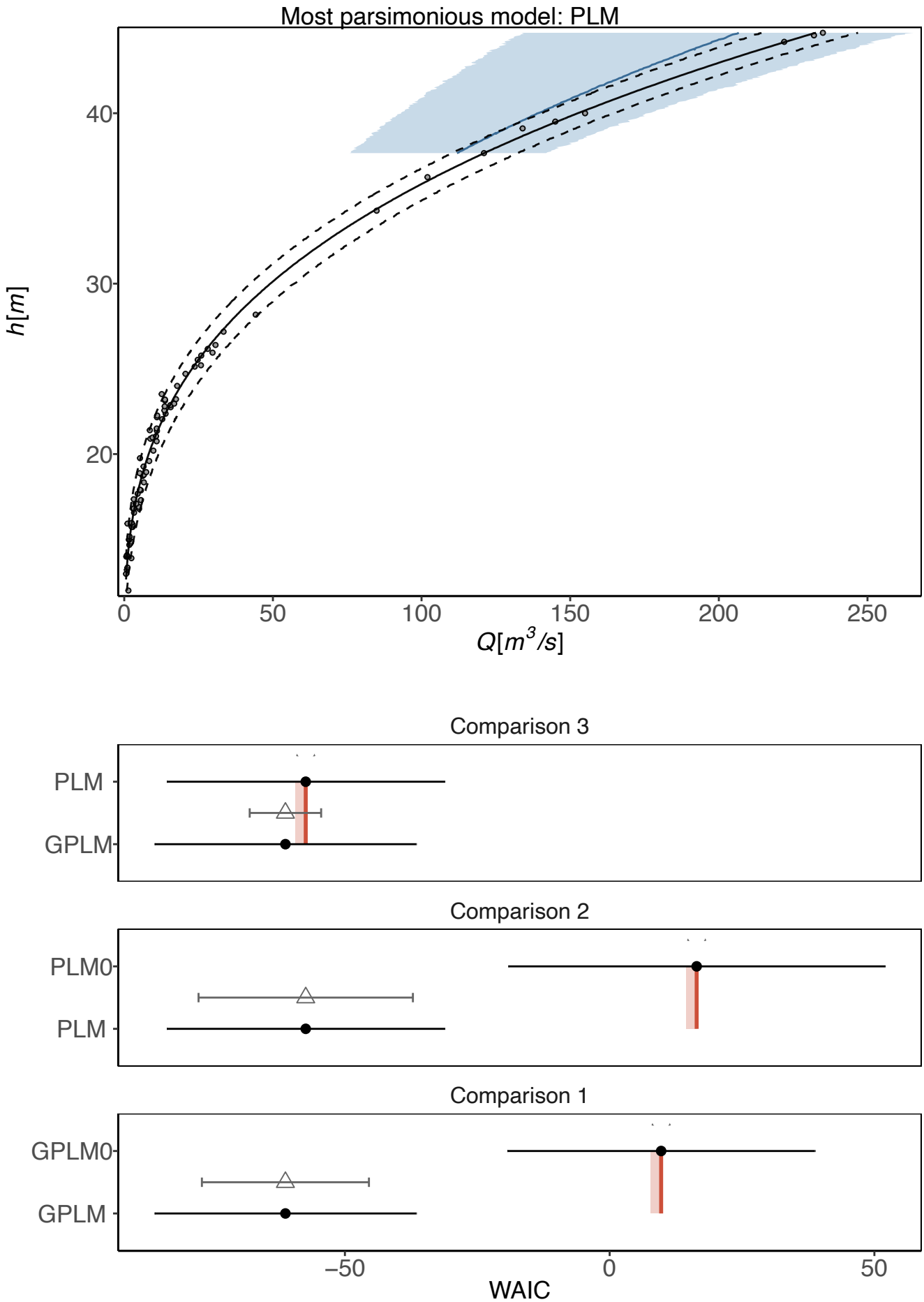
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.00	[0.00; 0.01]	2952	1.00
b	3.14	[2.96; 3.32]	2987	1.00
c	6.99	[5.91; 7.98]	2853	1.00
σ_η	0.93	[0.57; 1.45]	2089	1.00
η_1	–1.93	[–2.52; –1.29]	2786	1.00
η_2	–2.67	[–3.73; –1.87]	2169	1.01
η_3	–4.43	[–6.01; –3.28]	2668	1.00
η_4	–6.17	[–8.35; –4.37]	2549	1.00
η_5	–7.44	[–9.93; –5.34]	2499	1.00
η_6	–8.13	[–11.10; –5.59]	2898	1.00

Eyjólfsstaðir, Iceland – PLM0



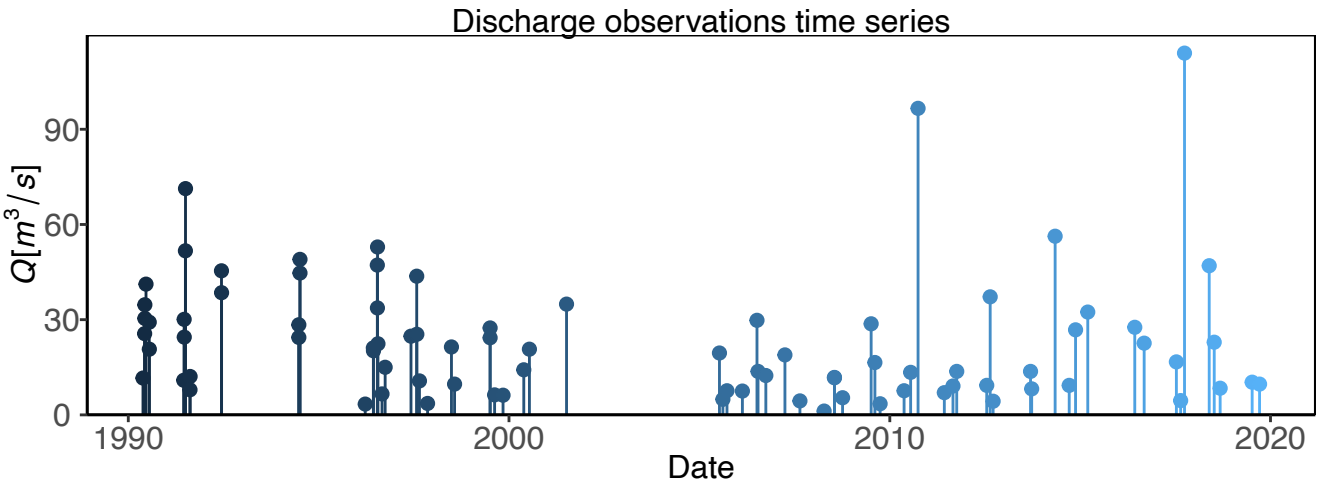
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.00	[0.00; 0.01]	9107	1.00
b	2.93	[2.63; 3.25]	9386	1.00
c	7.34	[6.03; 8.50]	8685	1.00
σ_ε	0.24	[0.21; 0.28]	9021	1.00

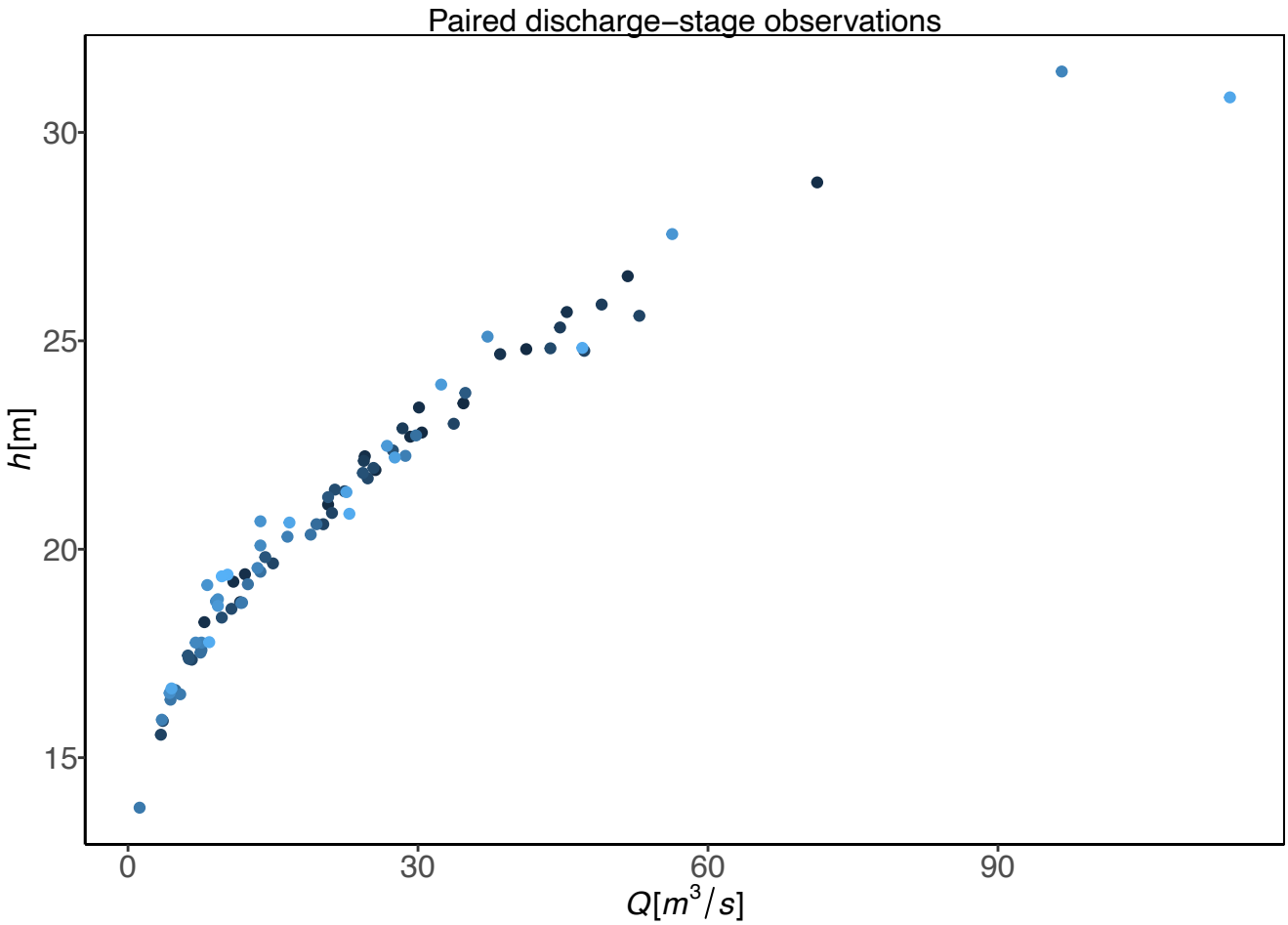
Power−law tournament results for Eyjólfsstaðir, Iceland



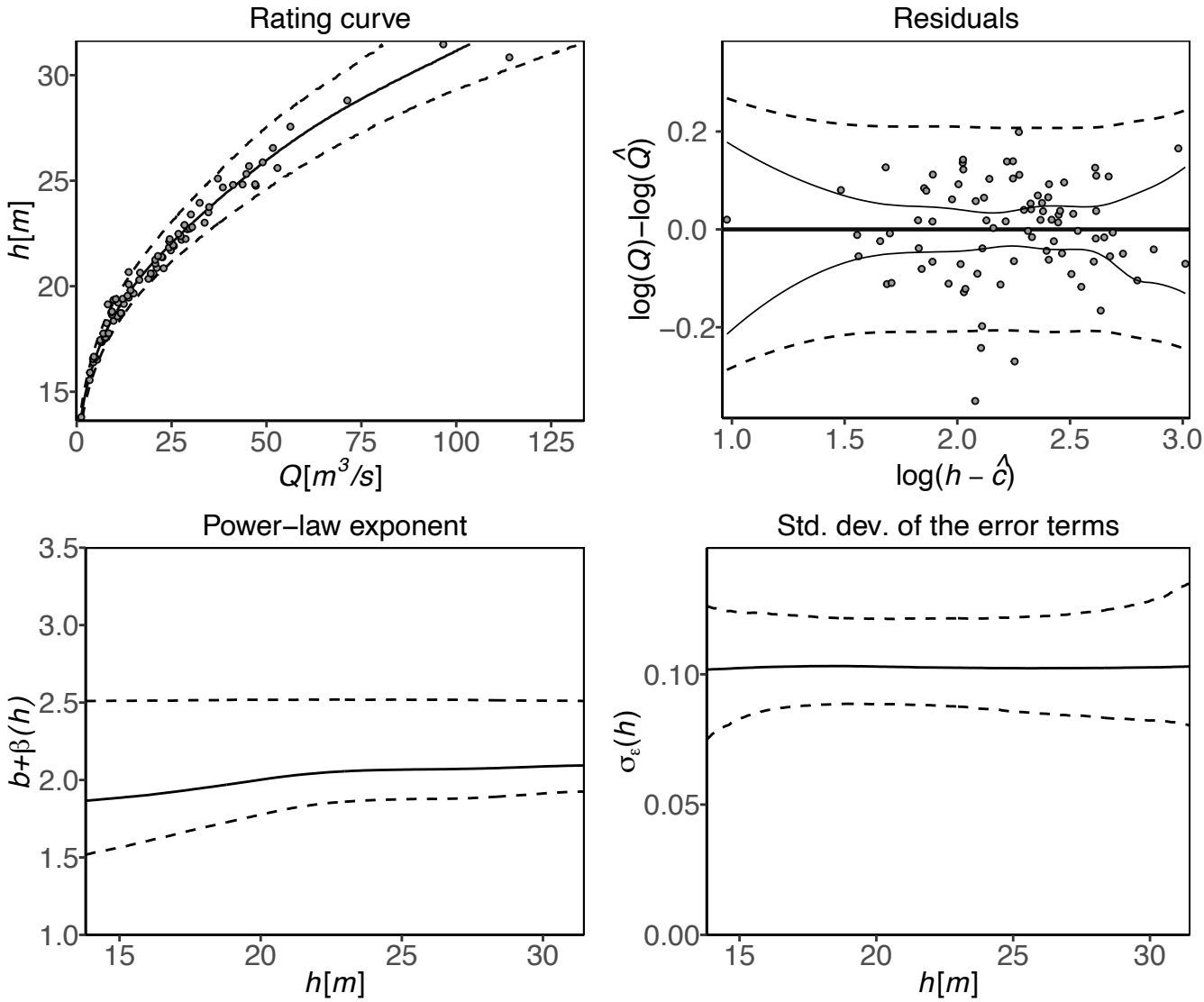
Station name:	Geithellur
Location:	Iceland
Station number:	V149
Number of observations:	84
Start date:	1990–05–22
End date:	2019–09–18
Max. discharge (m^3/s):	114
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.05	0.44
GPLM0	0.00	0.46
PLM	4.51	0.05
PLM0	4.33	0.05



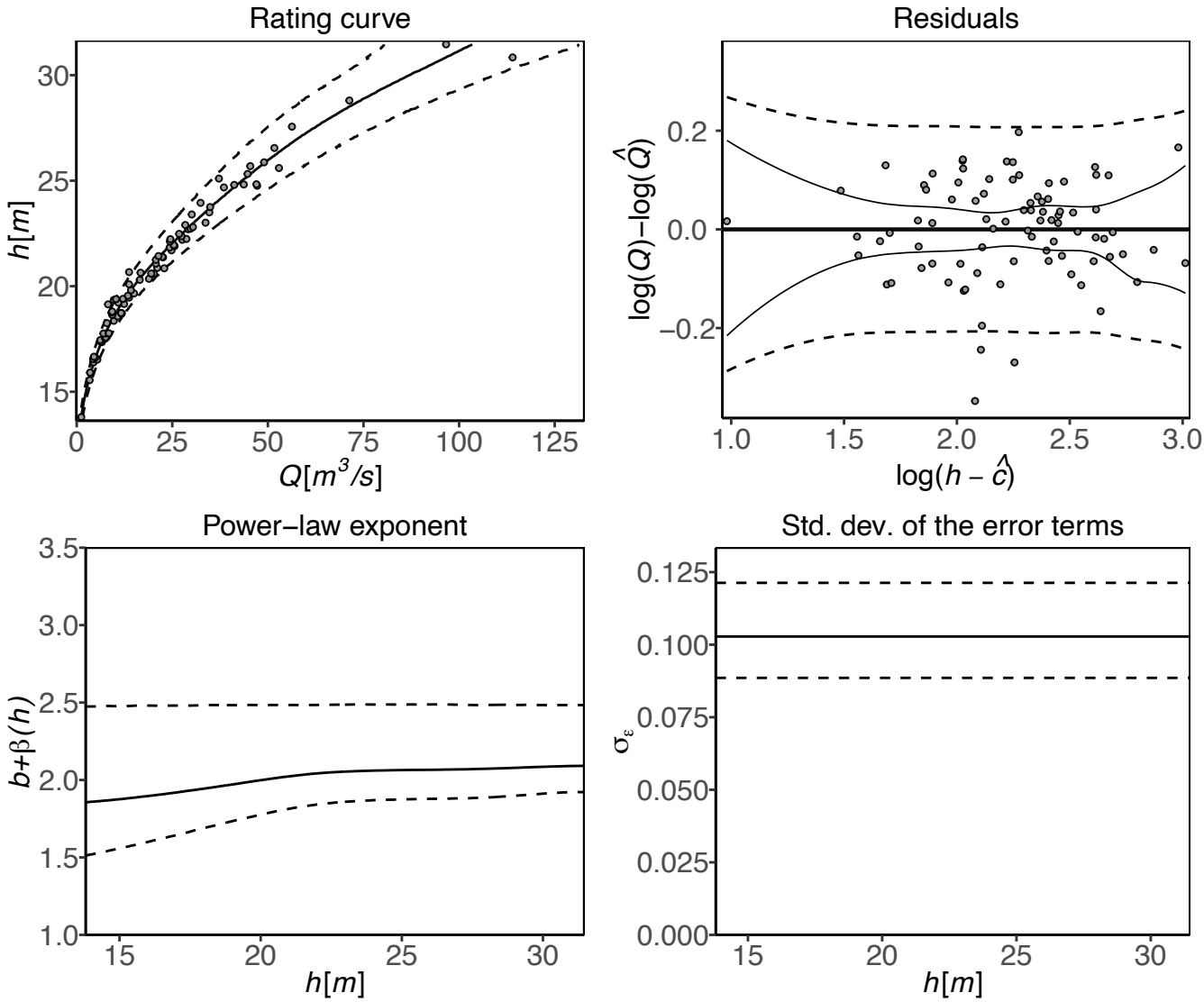


Geithellur, Iceland – GPLM



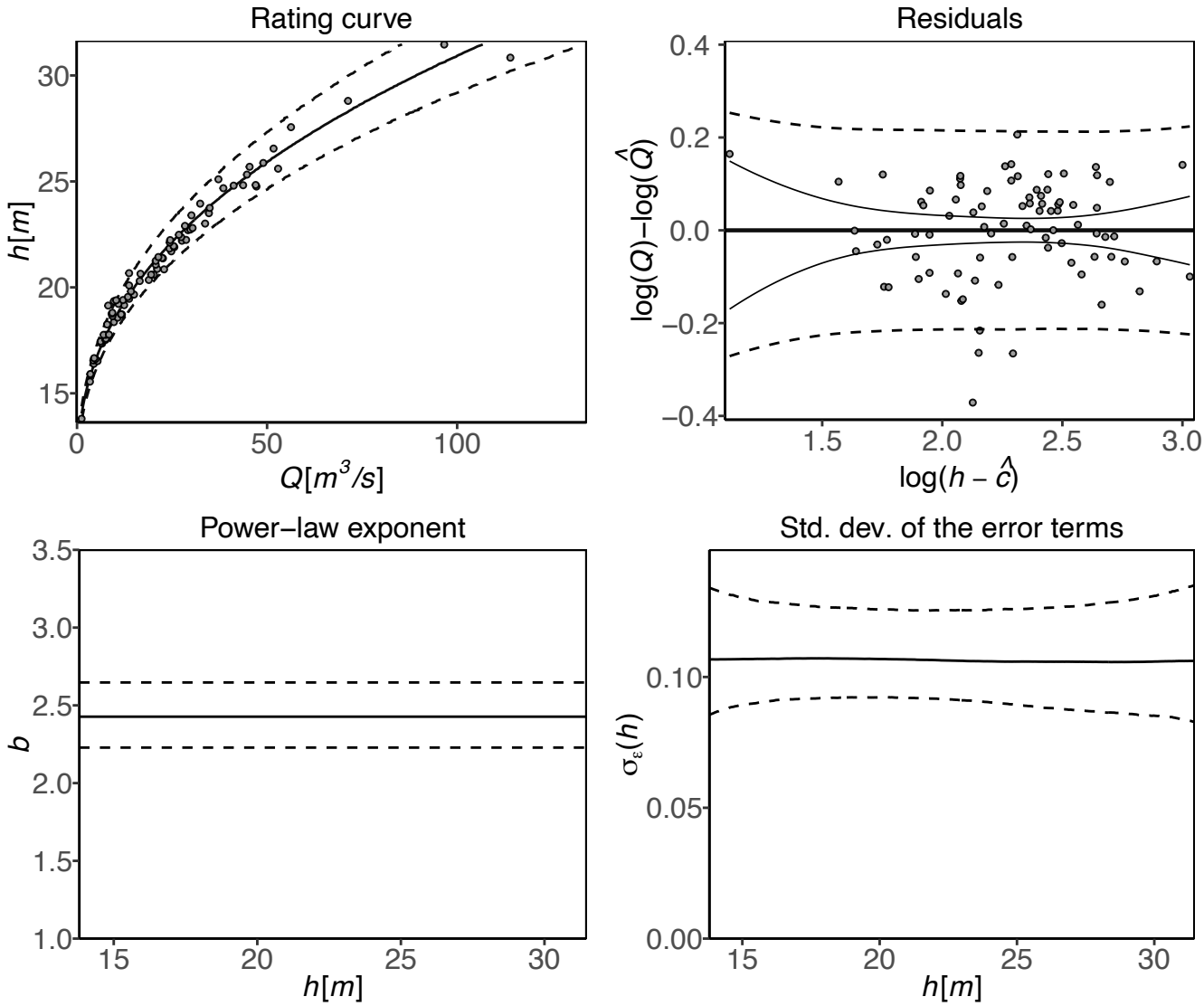
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.19	[0.05; 0.31]	1399	1.01
b	1.84	[1.83; 1.84]	8511	1.00
c	11.14	[10.25; 11.35]	1276	1.00
σ_β	0.23	[0.09; 0.66]	1885	1.01
ϕ_β	15.19	[5.27; 377.53]	868	1.03
σ_η	0.08	[0.00; 0.43]	1467	1.01
η_1	–4.57	[–5.18; –4.14]	1393	1.00
η_2	–4.40	[–6.27; –2.56]	1946	1.00
η_3	–4.33	[–7.02; –1.81]	2136	1.00
η_4	–4.52	[–7.62; –1.36]	2270	1.00
η_5	–4.47	[–8.20; –0.88]	2189	1.00
η_6	–4.40	[–8.58; –0.44]	2404	1.00

Geithellur, Iceland – GPLM0



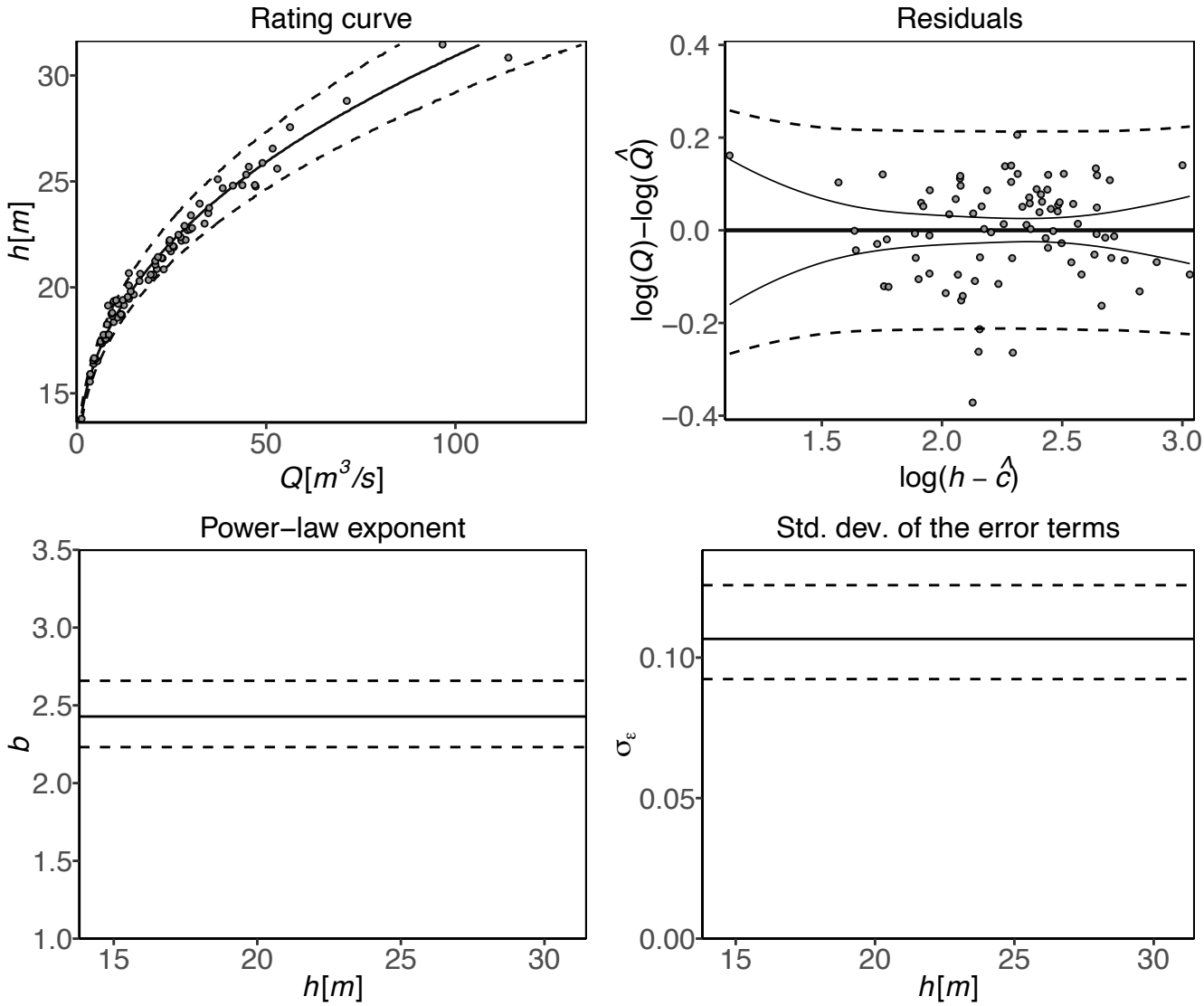
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.19	[0.06; 0.32]	2167	1.00
b	1.84	[1.83; 1.84]	12761	1.00
c	11.13	[10.27; 11.35]	2627	1.00
σ_ε	0.10	[0.09; 0.12]	4503	1.00
σ_β	0.48	[0.30; 0.81]	4117	1.00
ϕ_β	14.60	[4.97; 455.34]	1094	1.01

Geithellur, Iceland – PLM



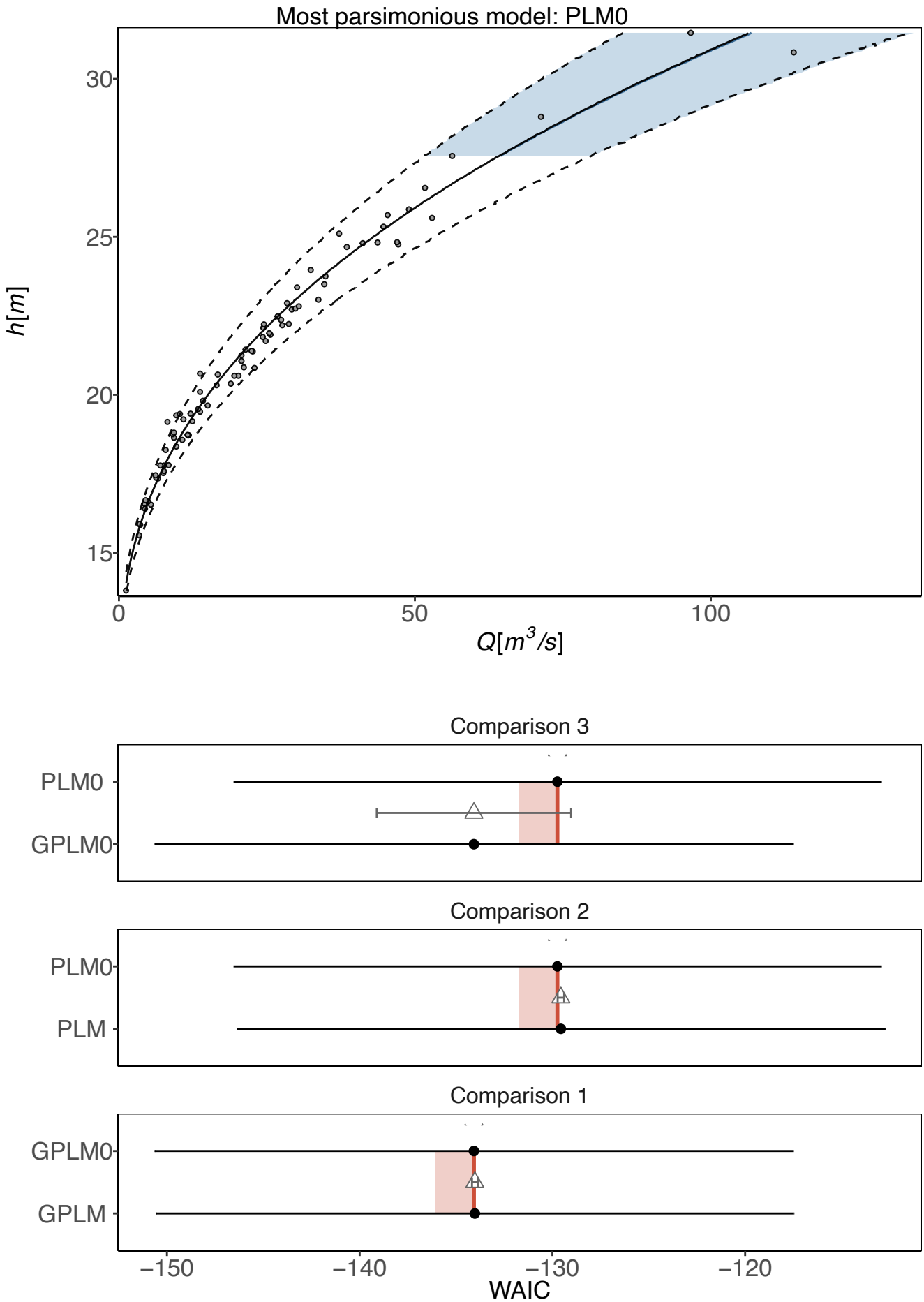
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.07	[0.03; 0.12]	2628	1.00
b	2.43	[2.23; 2.65]	2722	1.00
c	10.75	[10.00; 11.39]	2510	1.00
σ_η	0.08	[0.00; 0.39]	1607	1.00
η_1	–4.48	[–4.92; –4.02]	1983	1.00
η_2	–4.42	[–6.24; –2.66]	2383	1.00
η_3	–4.40	[–7.07; –1.96]	2442	1.00
η_4	–4.62	[–7.79; –1.45]	2636	1.00
η_5	–4.57	[–8.25; –0.89]	2611	1.00
η_6	–4.57	[–8.70; –0.47]	2752	1.00

Geithellur, Iceland – PLM0



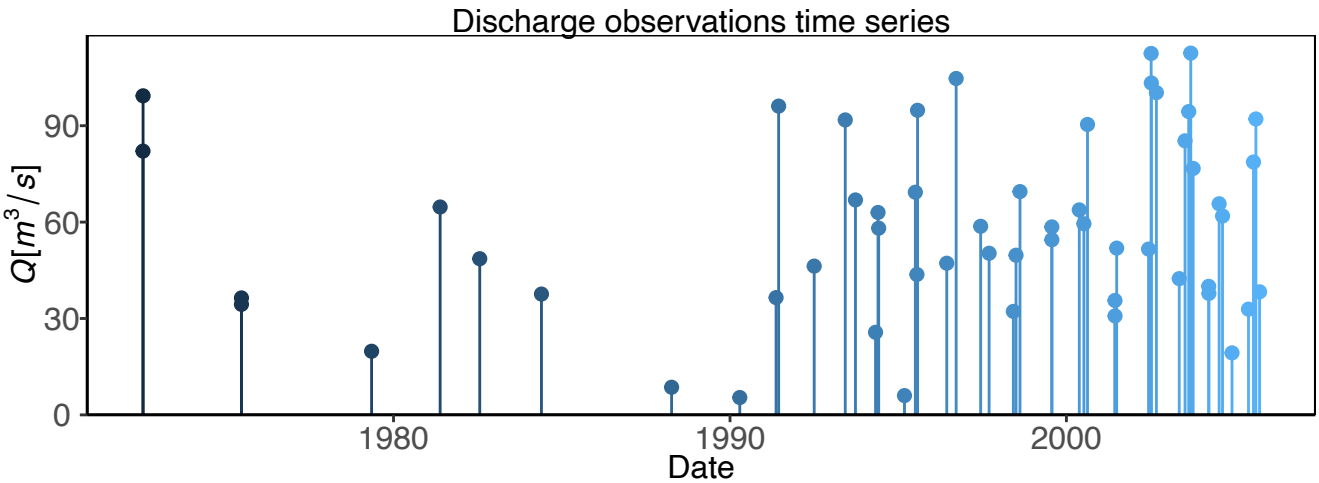
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.07	[0.03; 0.12]	9096	1.00
b	2.43	[2.23; 2.66]	9304	1.00
c	10.75	[9.97; 11.38]	8980	1.00
σ_ε	0.11	[0.09; 0.13]	9365	1.00

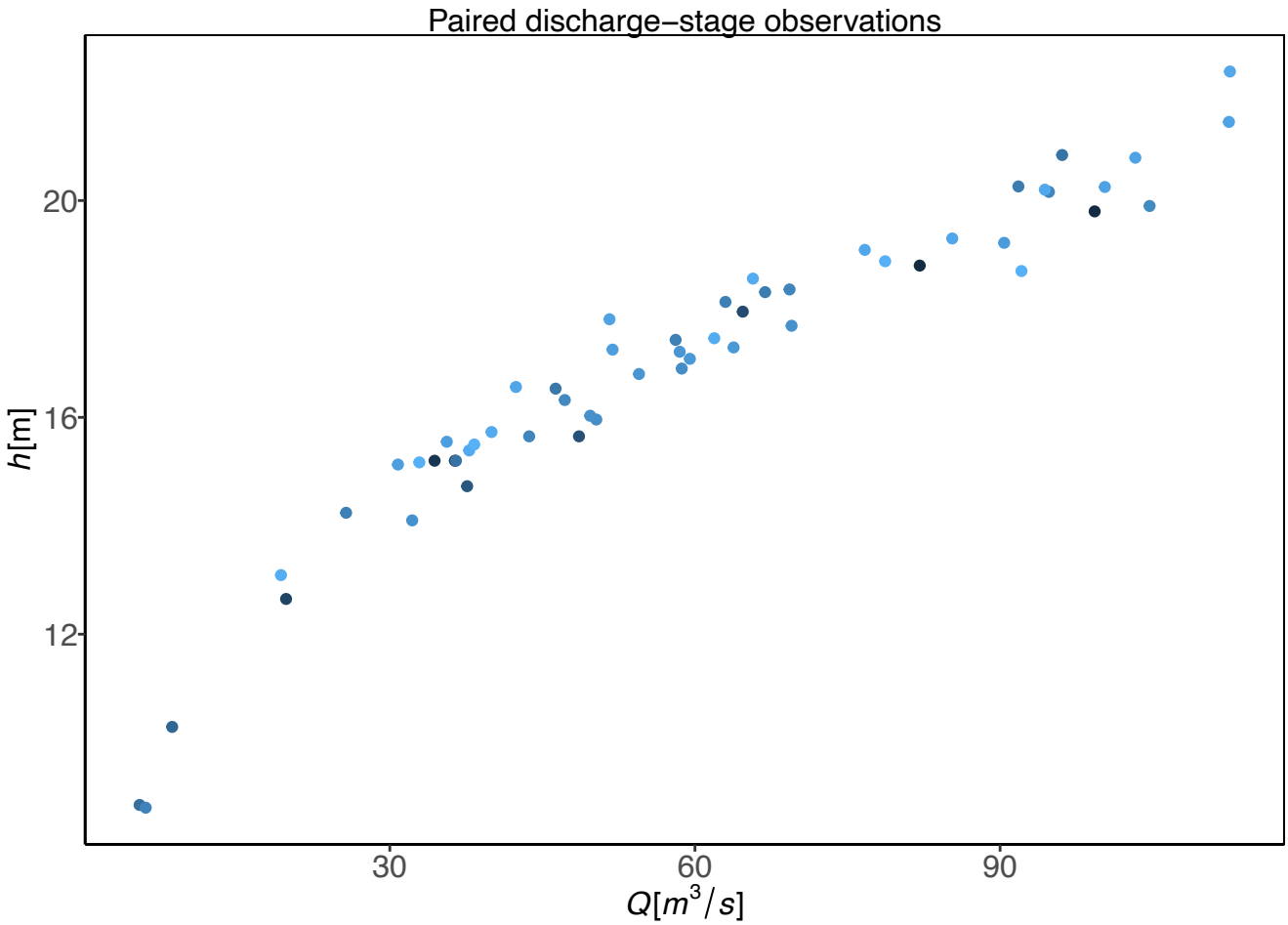
Power−law tournament results for Geithellur, Iceland



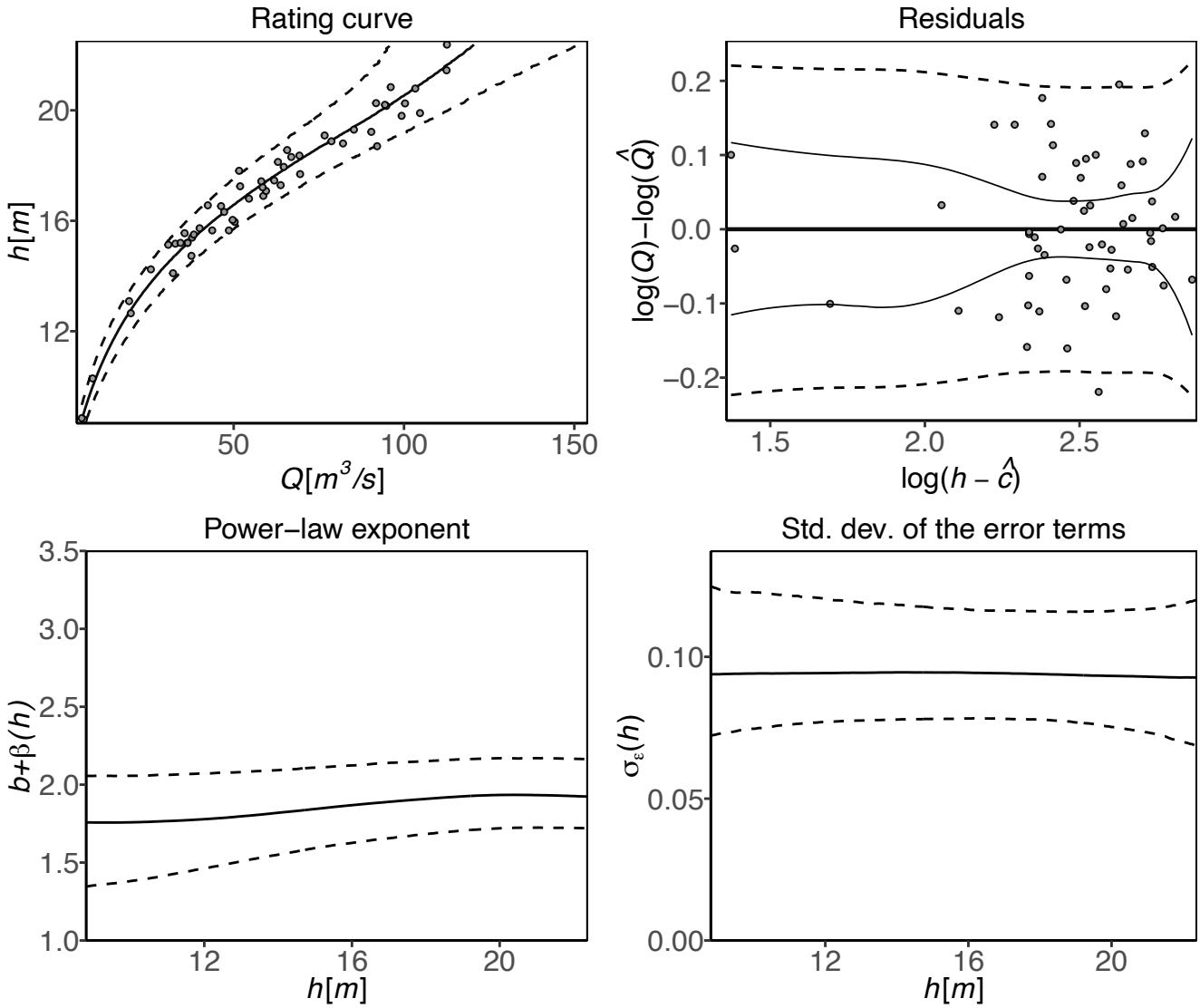
Station name:	Kirkjubæjarklaustur
Location:	Iceland
Station number:	V183
Number of observations:	55
Start date:	1972–07–21
End date:	2005–09–28
Max. discharge (m^3/s):	112.6
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.50
GPLM0	0.03	0.49
PLM	9.41	0.00
PLM0	9.31	0.00



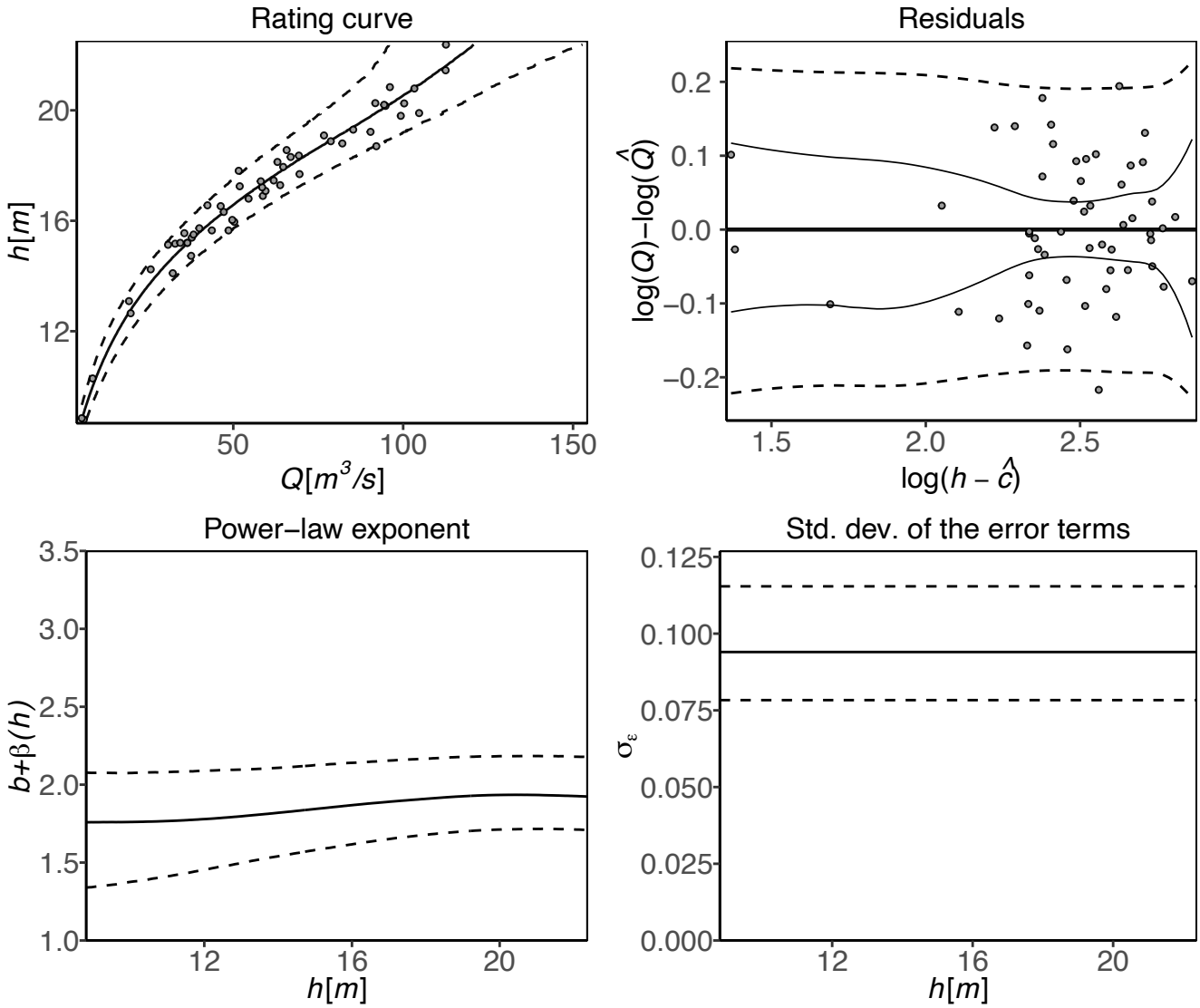


Kirkjubæjarklaustur, Iceland – GPLM



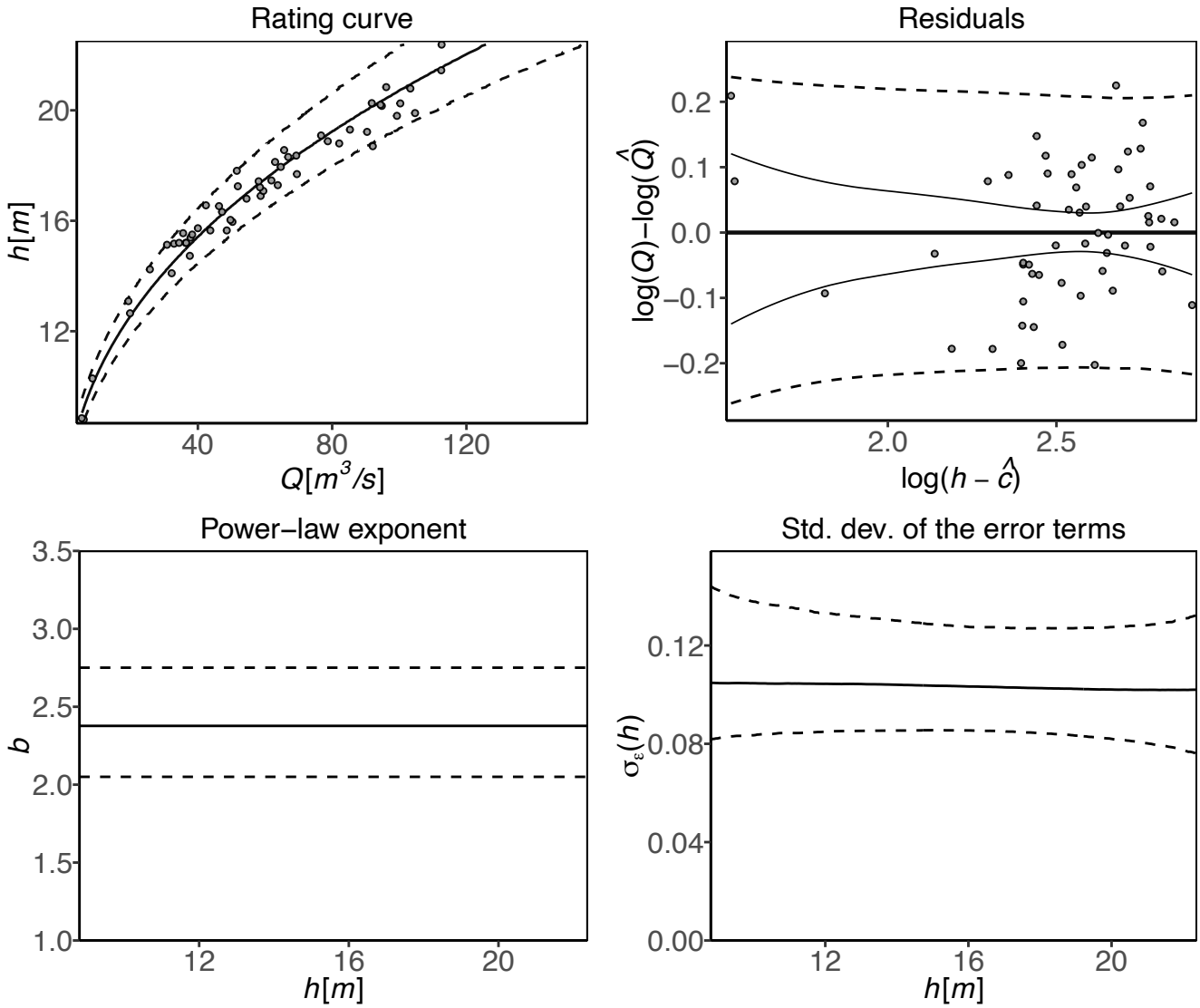
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.49	[0.23; 0.87]	3421	1.00
b	1.84	[1.83; 1.84]	9214	1.00
c	4.85	[3.70; 5.18]	1443	1.01
σ_β	0.15	[0.05; 0.53]	2601	1.00
ϕ_β	10.14	[3.25; 36.83]	1605	1.00
σ_η	0.08	[0.00; 0.42]	1401	1.01
η_1	–4.73	[–5.25; –4.16]	1577	1.00
η_2	–4.65	[–6.47; –2.83]	2274	1.00
η_3	–4.61	[–7.17; –2.09]	2200	1.00
η_4	–4.67	[–7.75; –1.59]	2173	1.00
η_5	–4.87	[–8.32; –1.13]	2223	1.00
η_6	–4.94	[–8.89; –0.75]	2412	1.00

Kirkjubæjarklaustur, Iceland – GPLM0



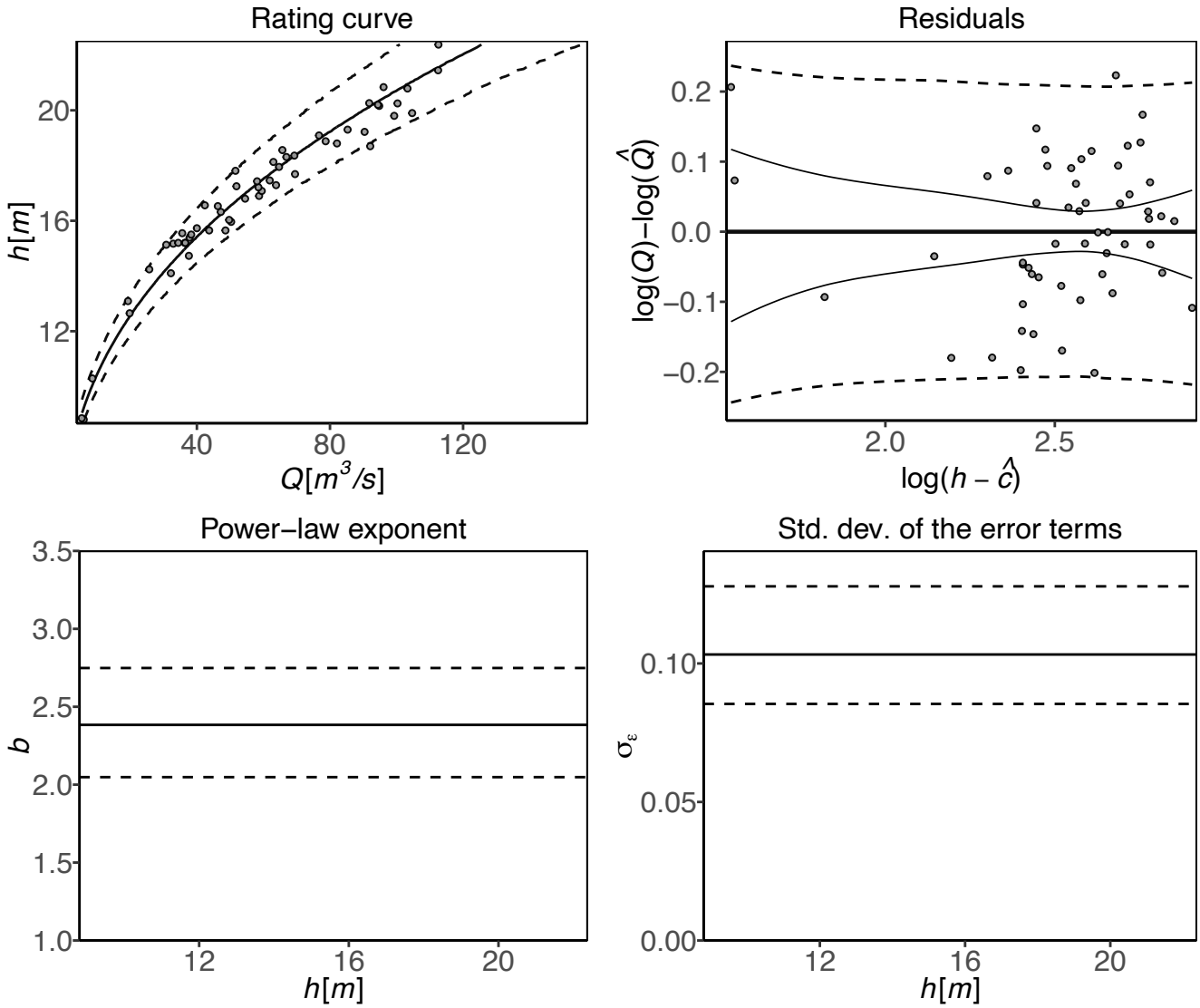
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.49	[0.22; 0.89]	4885	1.00
b	1.84	[1.83; 1.84]	13959	1.00
c	4.87	[3.66; 5.18]	2822	1.00
σ_ε	0.09	[0.08; 0.12]	5400	1.00
σ_β	0.38	[0.22; 0.74]	6056	1.00
ϕ_β	10.31	[3.18; 41.23]	2449	1.00

Kirkjubæjarklaustur, Iceland – PLM



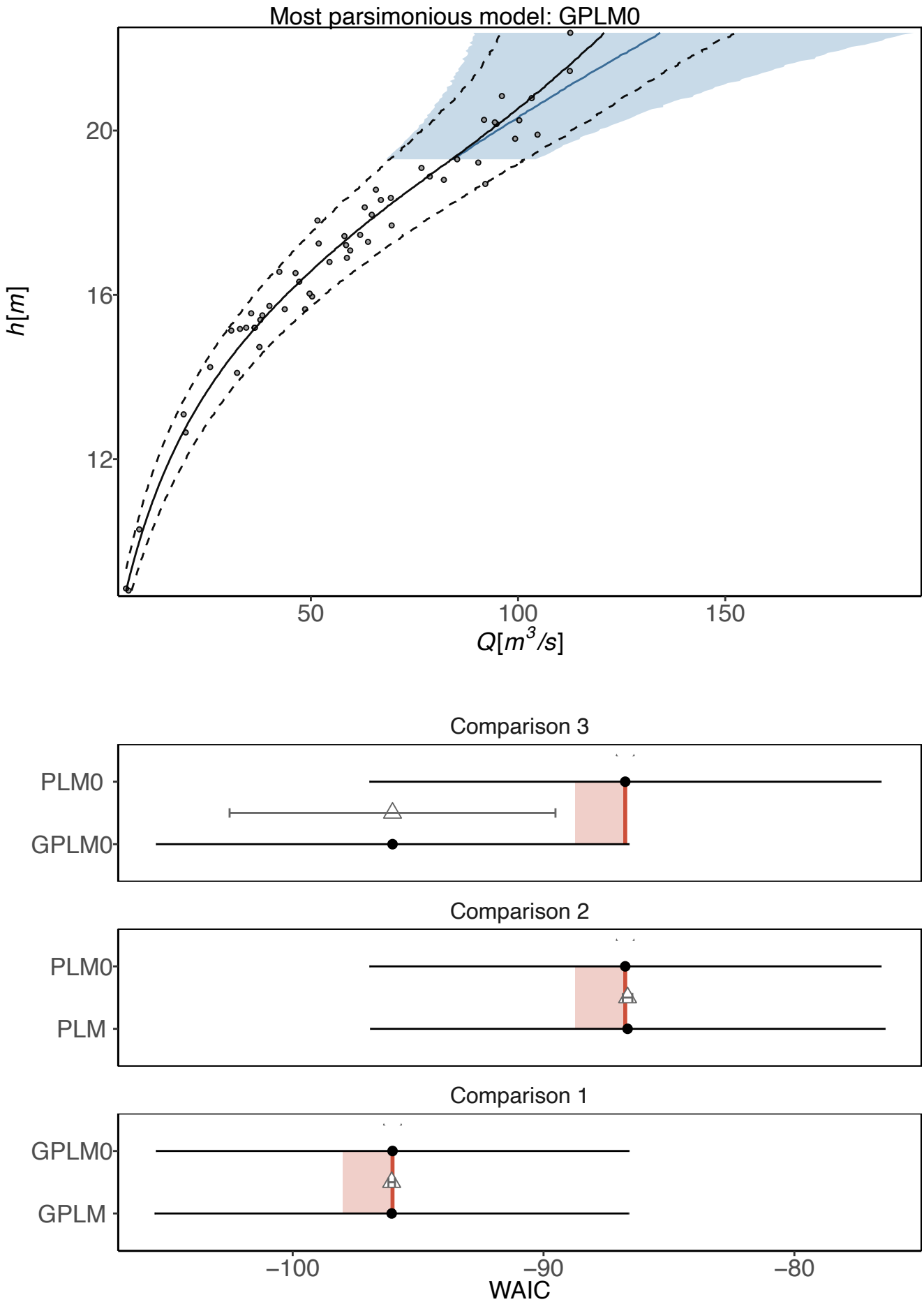
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.13	[0.04; 0.35]	2680	1.00
b	2.38	[2.05; 2.75]	2747	1.00
c	4.16	[2.73; 5.35]	2537	1.00
σ_η	0.08	[0.00; 0.40]	1580	1.00
η_1	–4.51	[–5.01; –3.88]	2026	1.01
η_2	–4.55	[–6.44; –2.70]	2513	1.00
η_3	–4.60	[–7.12; –1.99]	2581	1.00
η_4	–4.81	[–7.78; –1.67]	2694	1.00
η_5	–4.99	[–8.46; –1.24]	2830	1.00
η_6	–4.98	[–8.86; –0.68]	2646	1.00

Kirkjubæjarklaustur, Iceland – PLM0



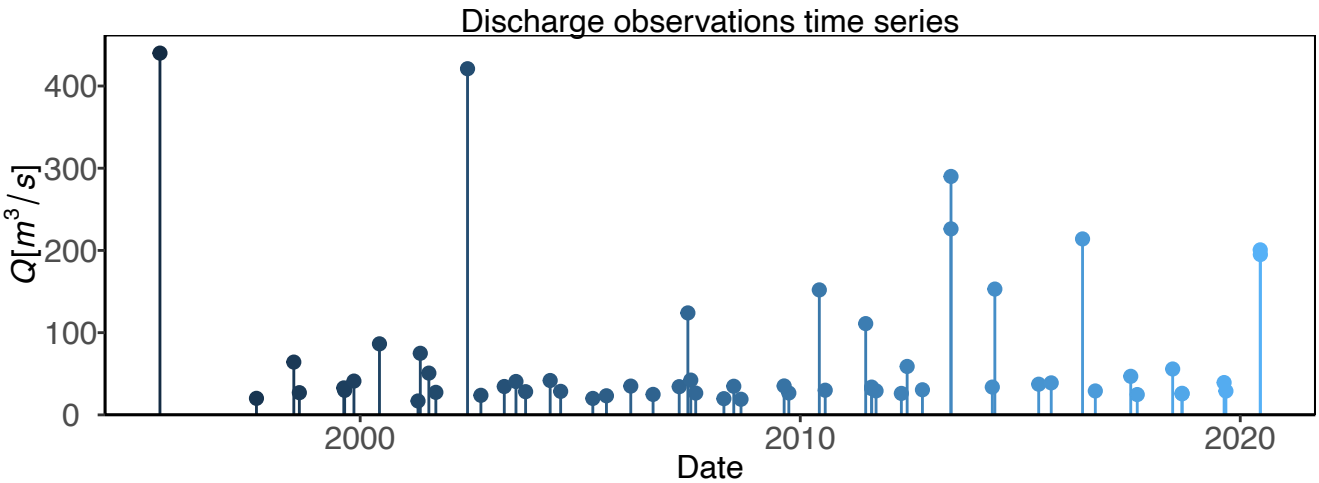
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.12	[0.04; 0.35]	9265	1.00
b	2.38	[2.05; 2.75]	9342	1.00
c	4.11	[2.76; 5.31]	8960	1.00
σ_ε	0.10	[0.09; 0.13]	8945	1.00

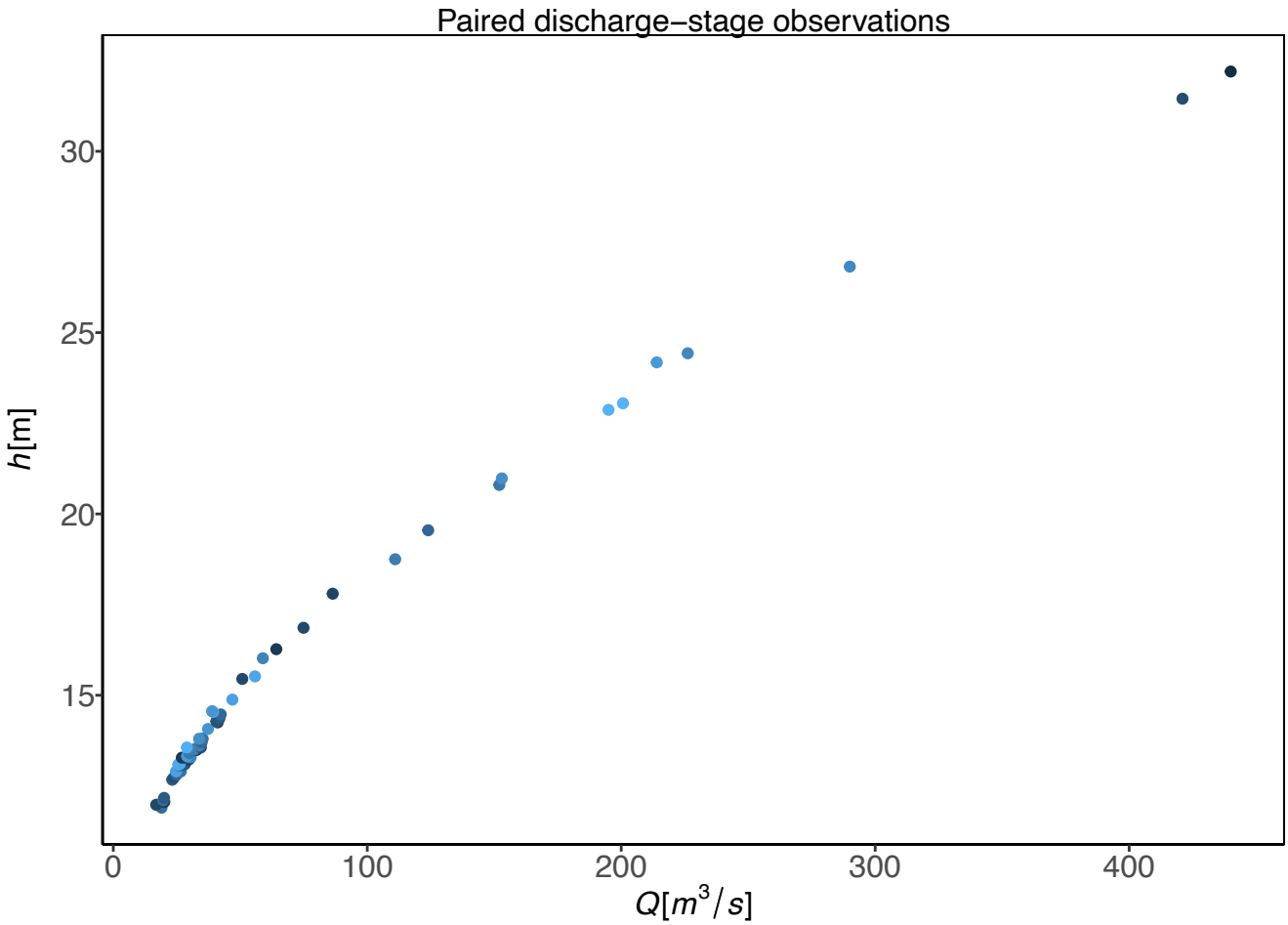
Power−law tournament results for Kirkjubæjarklaustur, Iceland



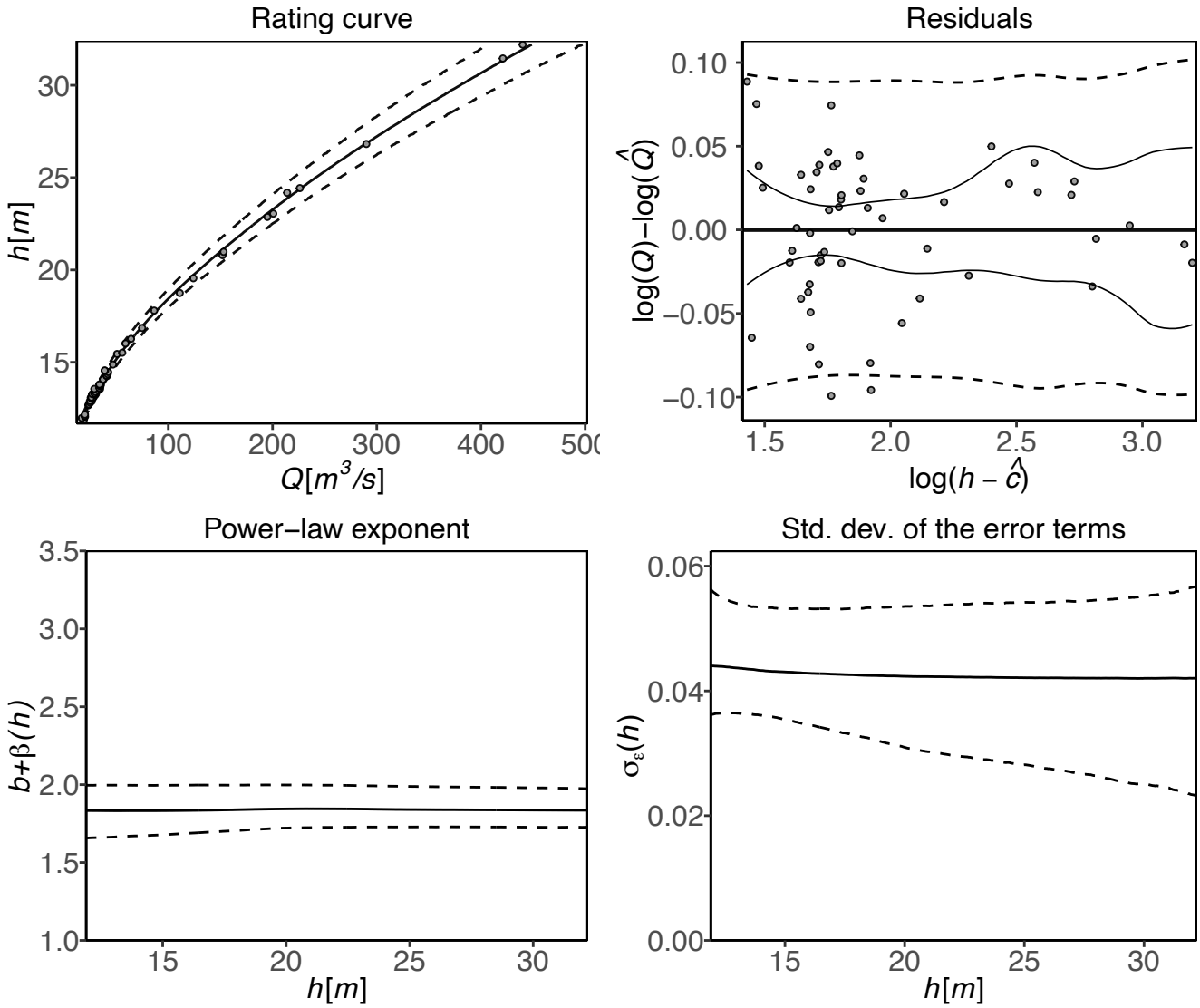
Station name:	ofan Árbugsár
Location:	Iceland
Station number:	V200
Number of observations:	58
Start date:	1995–06–14
End date:	2020–06–16
Max. discharge (m^3/s):	440
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.50
GPLM0	0.63	0.36
PLM	3.96	0.07
PLM0	4.01	0.07



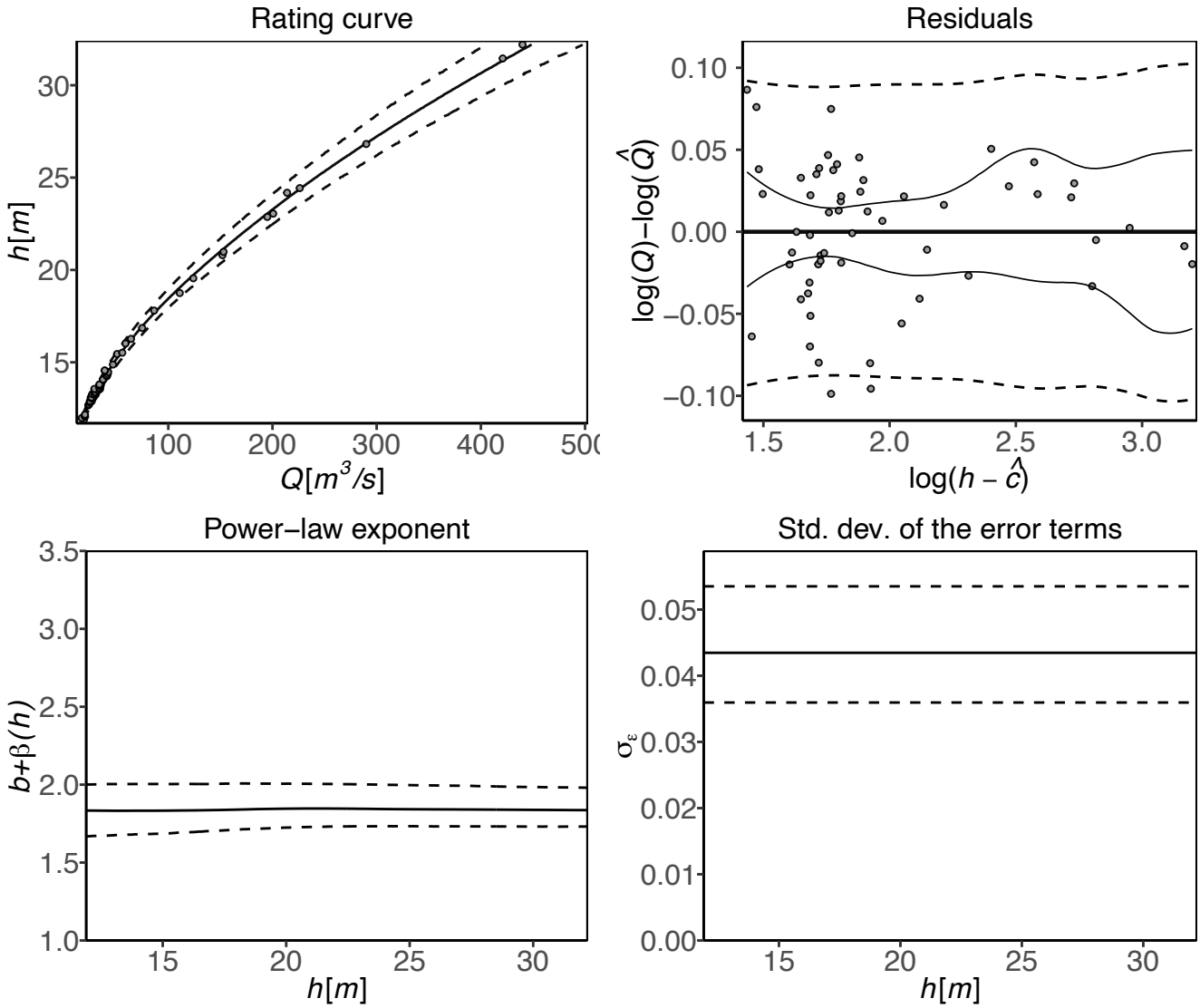


ofan Árbugsár, Iceland – GPLM



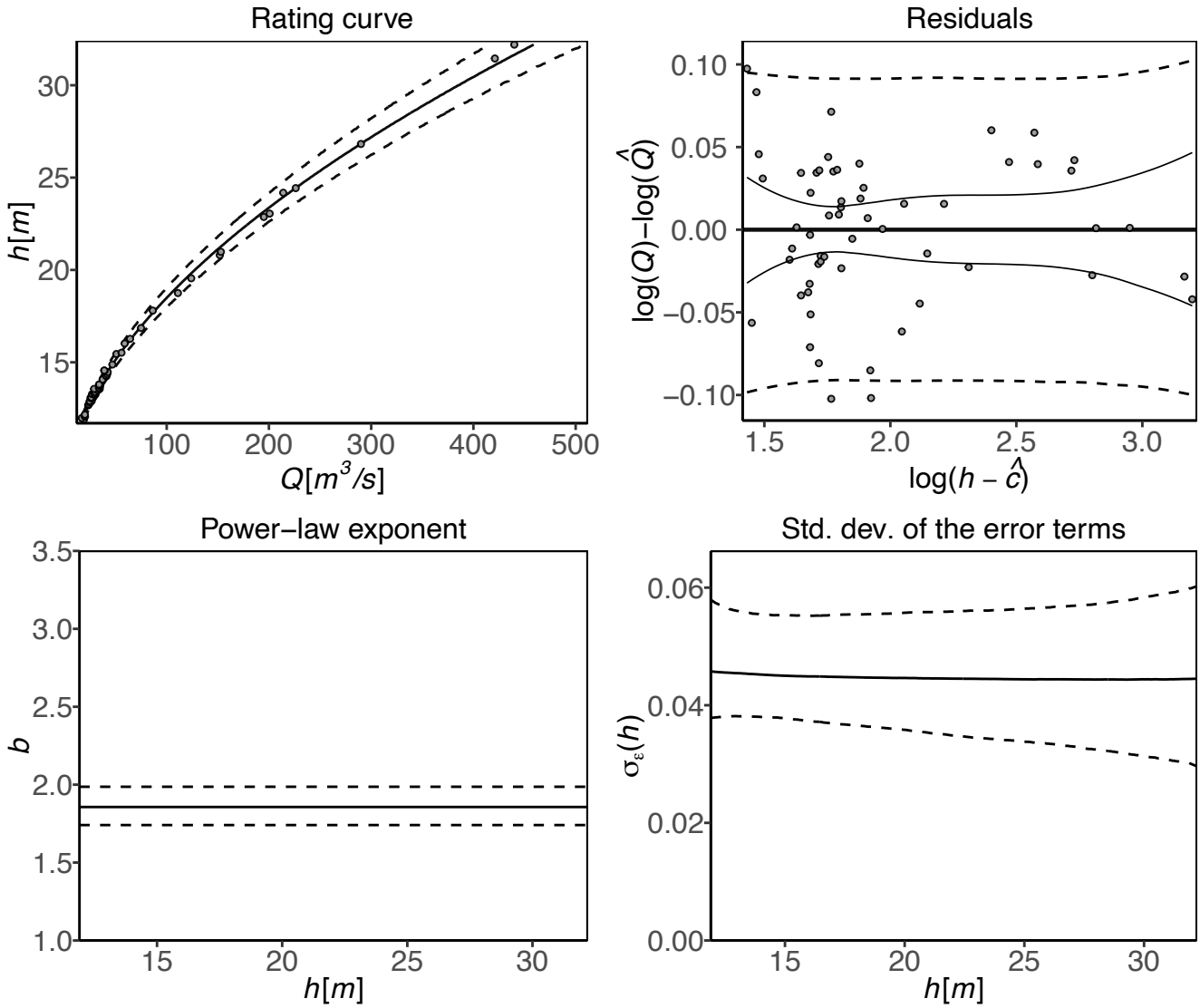
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.27	[0.78; 1.81]	1547	1.00
b	1.83	[1.83; 1.84]	9135	1.00
c	7.72	[7.06; 8.11]	934	1.01
σ_β	0.04	[0.00; 0.34]	1355	1.00
ϕ_β	18.05	[1.48; 7768.51]	876	1.02
σ_η	0.09	[0.00; 0.48]	1627	1.00
η_1	−6.25	[−6.64; −5.76]	2185	1.00
η_2	−6.48	[−8.31; −4.58]	2323	1.00
η_3	−6.73	[−9.27; −3.96]	2722	1.00
η_4	−6.87	[−10.04; −3.44]	2606	1.00
η_5	−6.95	[−10.72; −2.88]	2213	1.00
η_6	−6.97	[−11.24; −2.64]	2407	1.00

ofan Árbugsár, Iceland – GPLM0



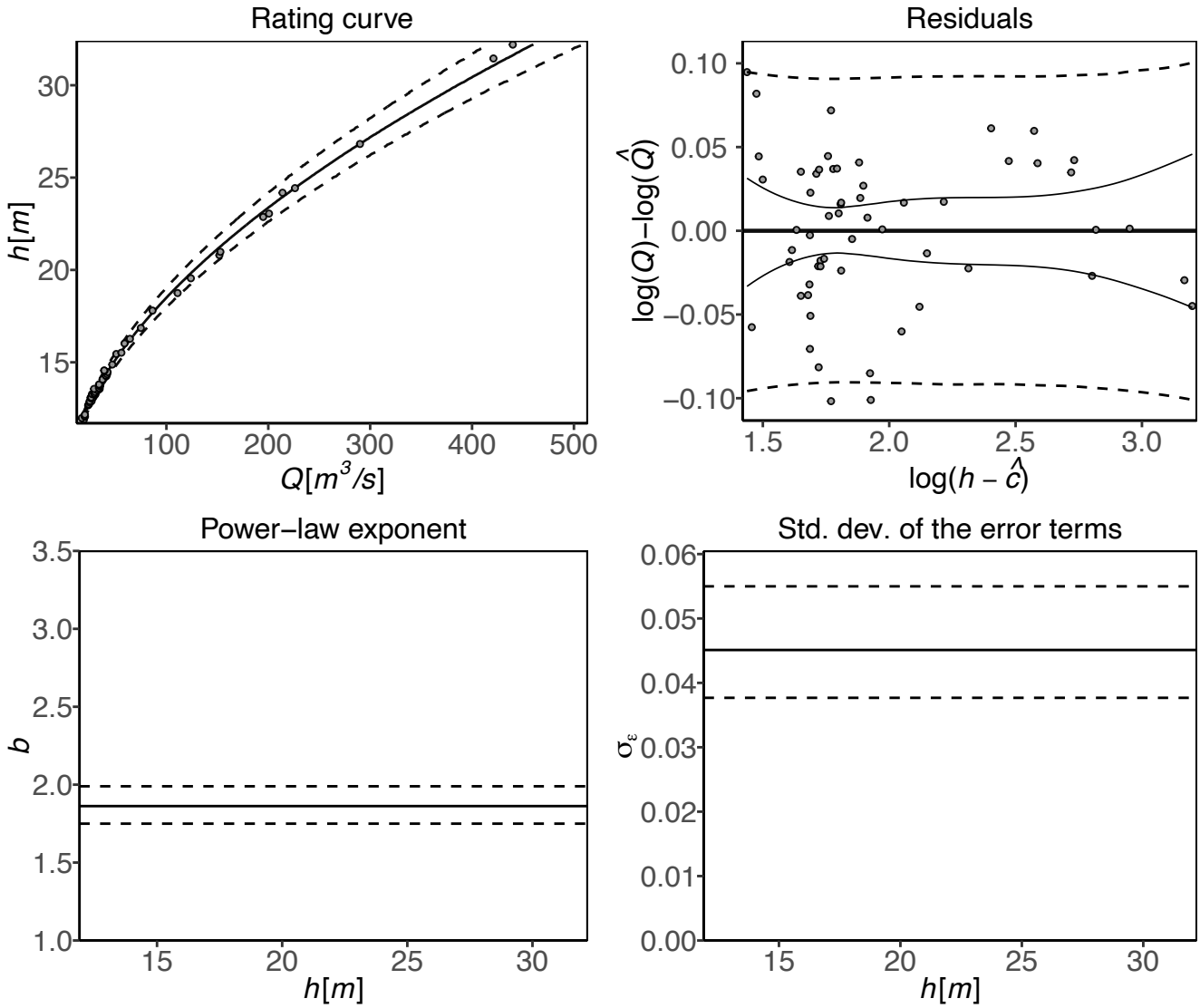
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.26	[0.76; 1.79]	2416	1.01
b	1.84	[1.83; 1.84]	12499	1.00
c	7.70	[7.00; 8.16]	905	1.02
σ_ε	0.04	[0.04; 0.05]	4750	1.00
σ_β	0.20	[0.05; 0.58]	2855	1.00
ϕ_β	18.62	[1.27; 4422.30]	1213	1.01

ofan Árbugsár, Iceland – PLM



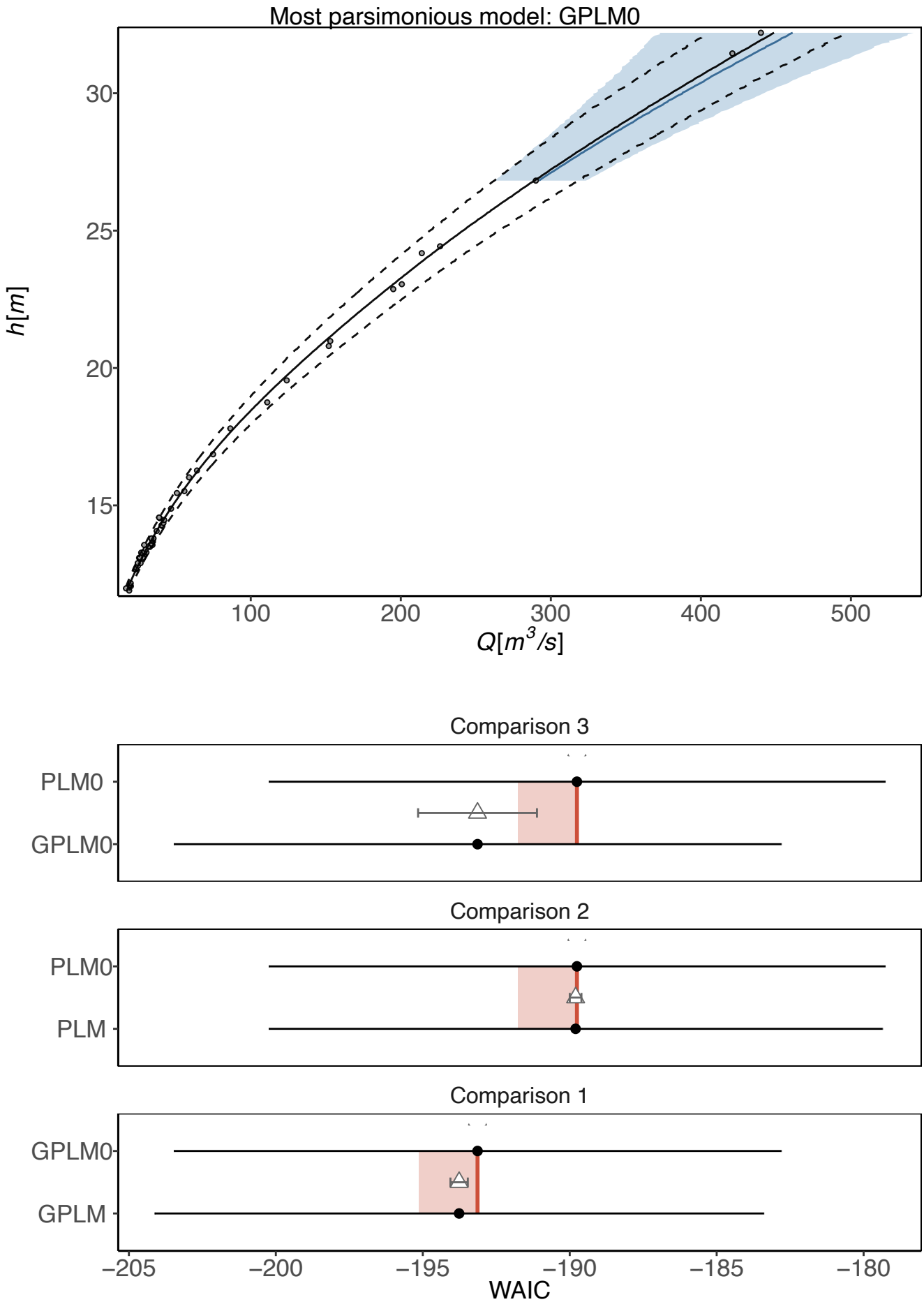
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.21	[0.79; 1.76]	2540	1.00
b	1.86	[1.74; 1.99]	2602	1.00
c	7.72	[7.11; 8.25]	2501	1.00
σ_η	0.08	[0.00; 0.41]	1894	1.00
η_1	–6.17	[–6.55; –5.70]	2417	1.00
η_2	–6.35	[–8.20; –4.42]	2735	1.00
η_3	–6.47	[–9.06; –3.63]	2724	1.00
η_4	–6.60	[–9.80; –3.23]	2719	1.00
η_5	–6.64	[–10.35; –2.78]	2761	1.00
η_6	–6.63	[–10.76; –2.31]	2911	1.00

ofan Árbugsár, Iceland – PLM0



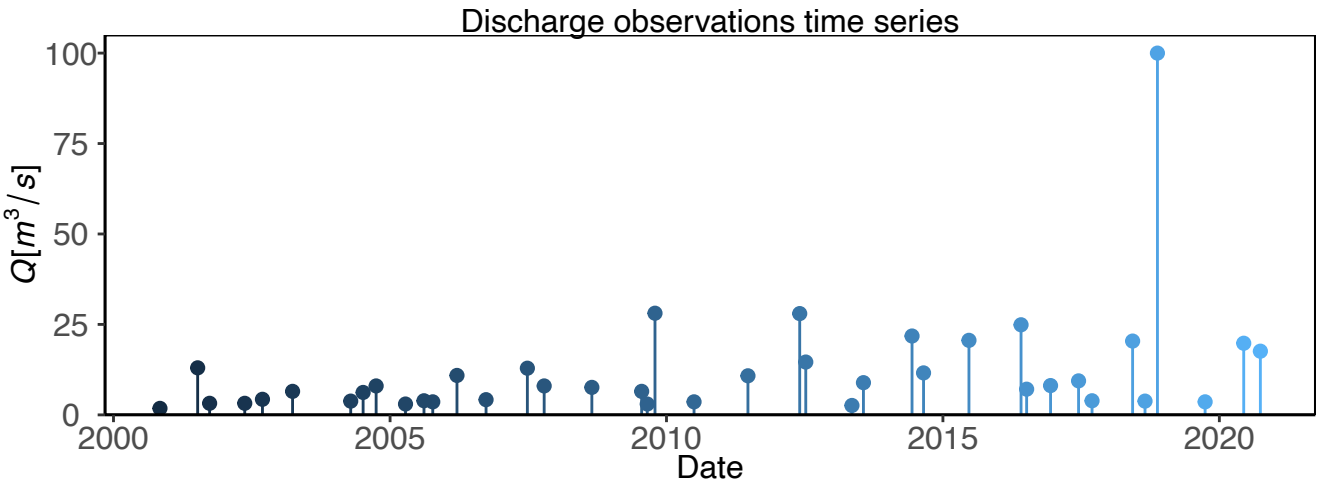
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.19	[0.78; 1.71]	9067	1.00
b	1.86	[1.75; 1.99]	9257	1.00
c	7.69	[7.10; 8.21]	8916	1.00
σ_ε	0.05	[0.04; 0.05]	8909	1.00

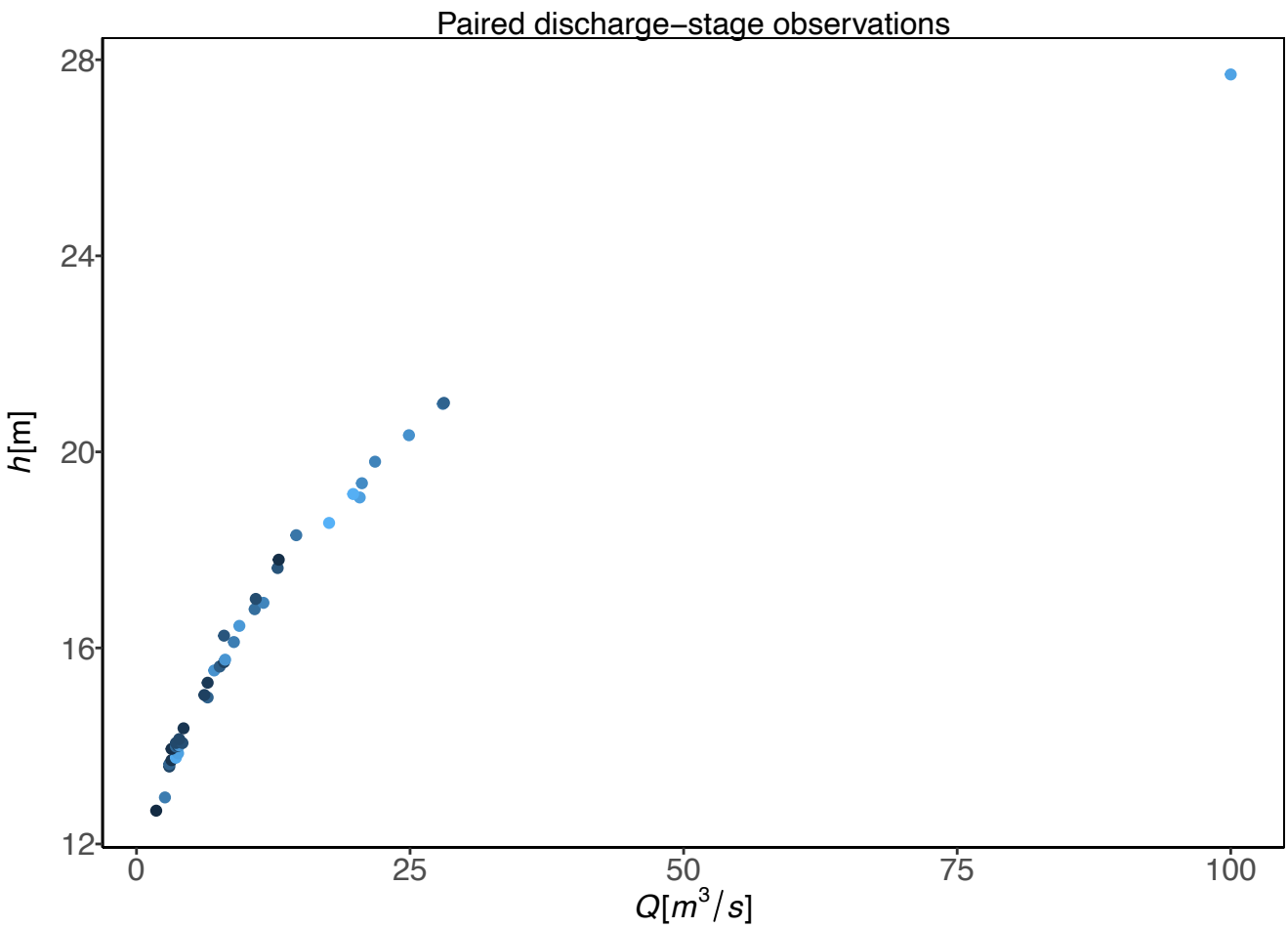
Power−law tournament results for ofan Árbugsár, Iceland



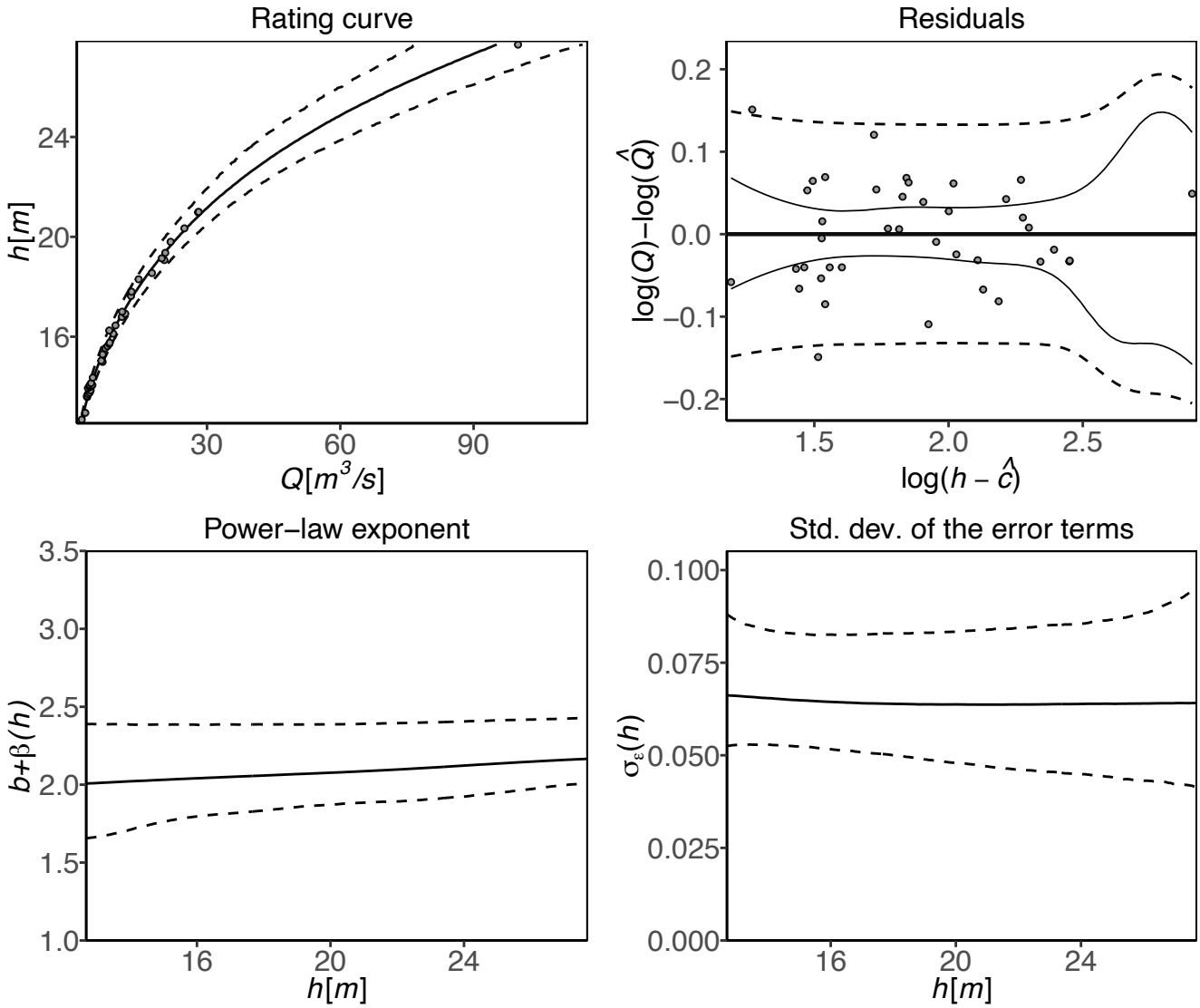
Station name:	Eiði
Location:	Iceland
Station number:	V204
Number of observations:	40
Start date:	2000–11–03
End date:	2020–09–28
Max. discharge (m^3/s):	100
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.55
GPLM0	0.54	0.42
PLM	7.05	0.02
PLM0	7.76	0.01



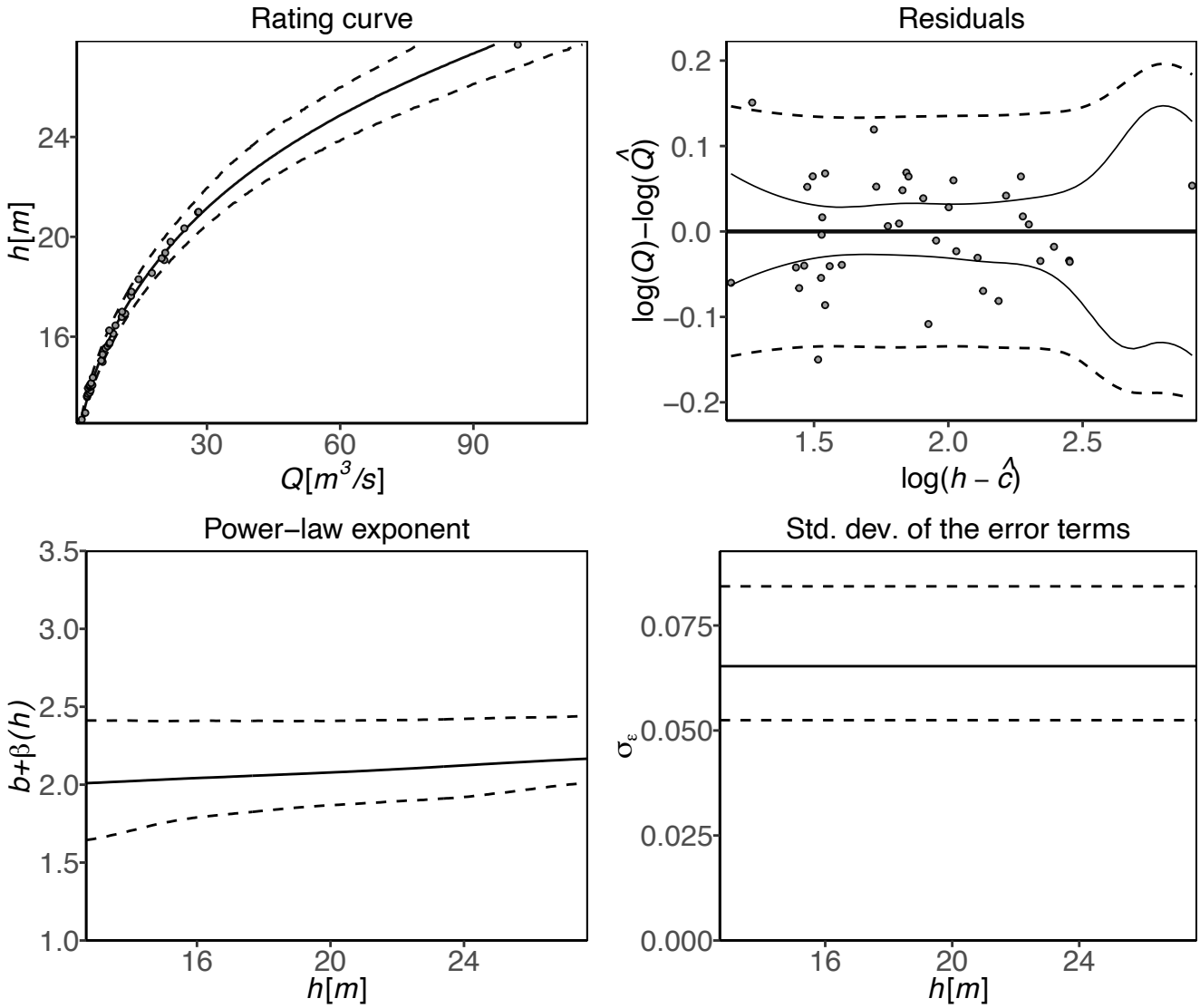


Eiði, Iceland – GPLM



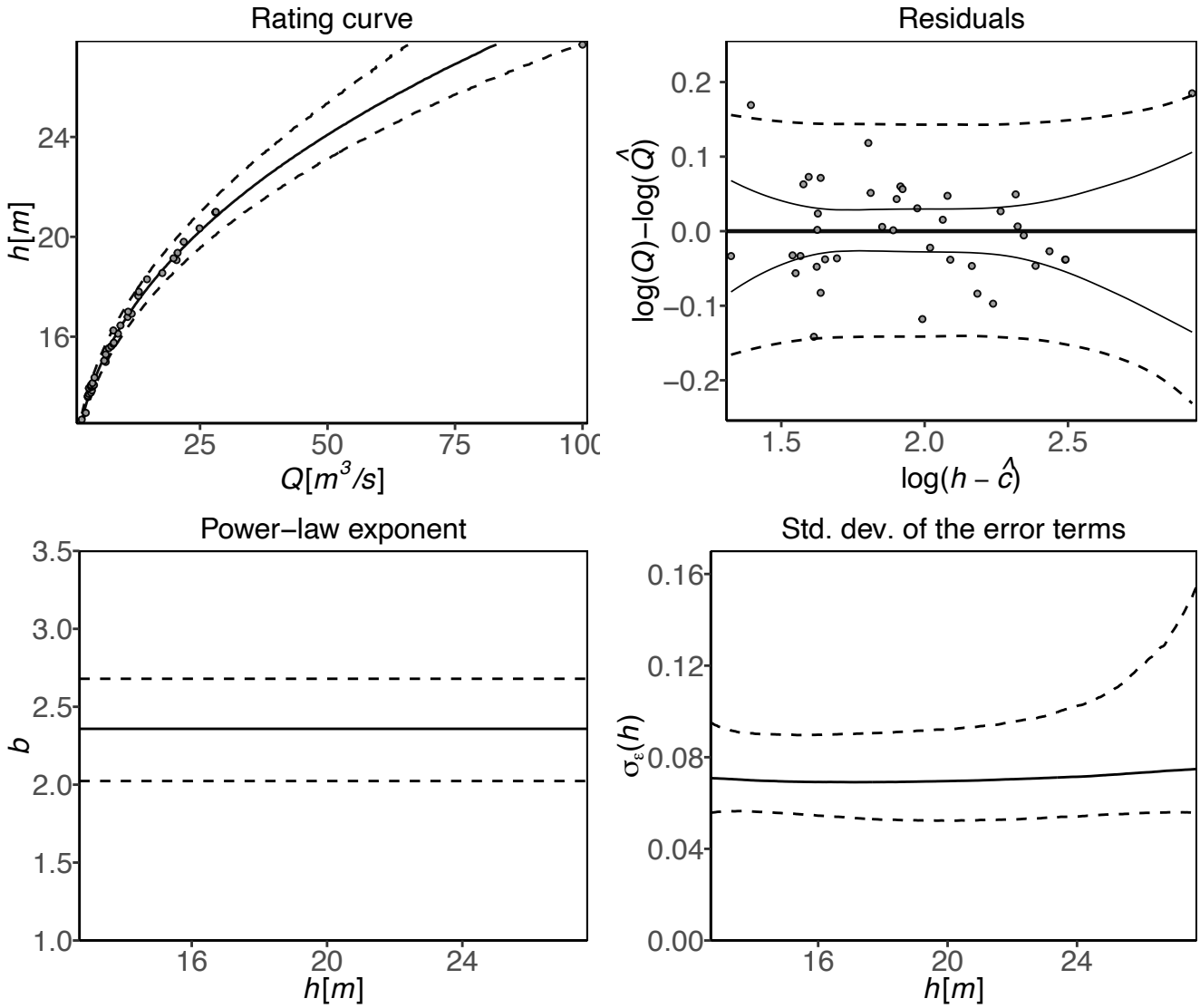
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.17	[0.07; 0.28]	2418	1.00
b	1.84	[1.83; 1.84]	10282	1.00
c	9.39	[8.65; 9.57]	1393	1.00
σ_β	0.29	[0.11; 0.77]	2181	1.01
ϕ_β	30.19	[4.91; 282.85]	1298	1.00
σ_η	0.09	[0.00; 0.46]	1405	1.00
η_1	–5.43	[–5.89; –4.86]	2174	1.00
η_2	–5.64	[–7.43; –3.72]	2367	1.00
η_3	–5.90	[–8.31; –3.18]	2552	1.00
η_4	–5.94	[–9.10; –2.55]	2266	1.00
η_5	–5.89	[–9.63; –2.07]	2256	1.00
η_6	–5.83	[–10.18; –1.54]	2290	1.00

Eiði, Iceland – GPLM0



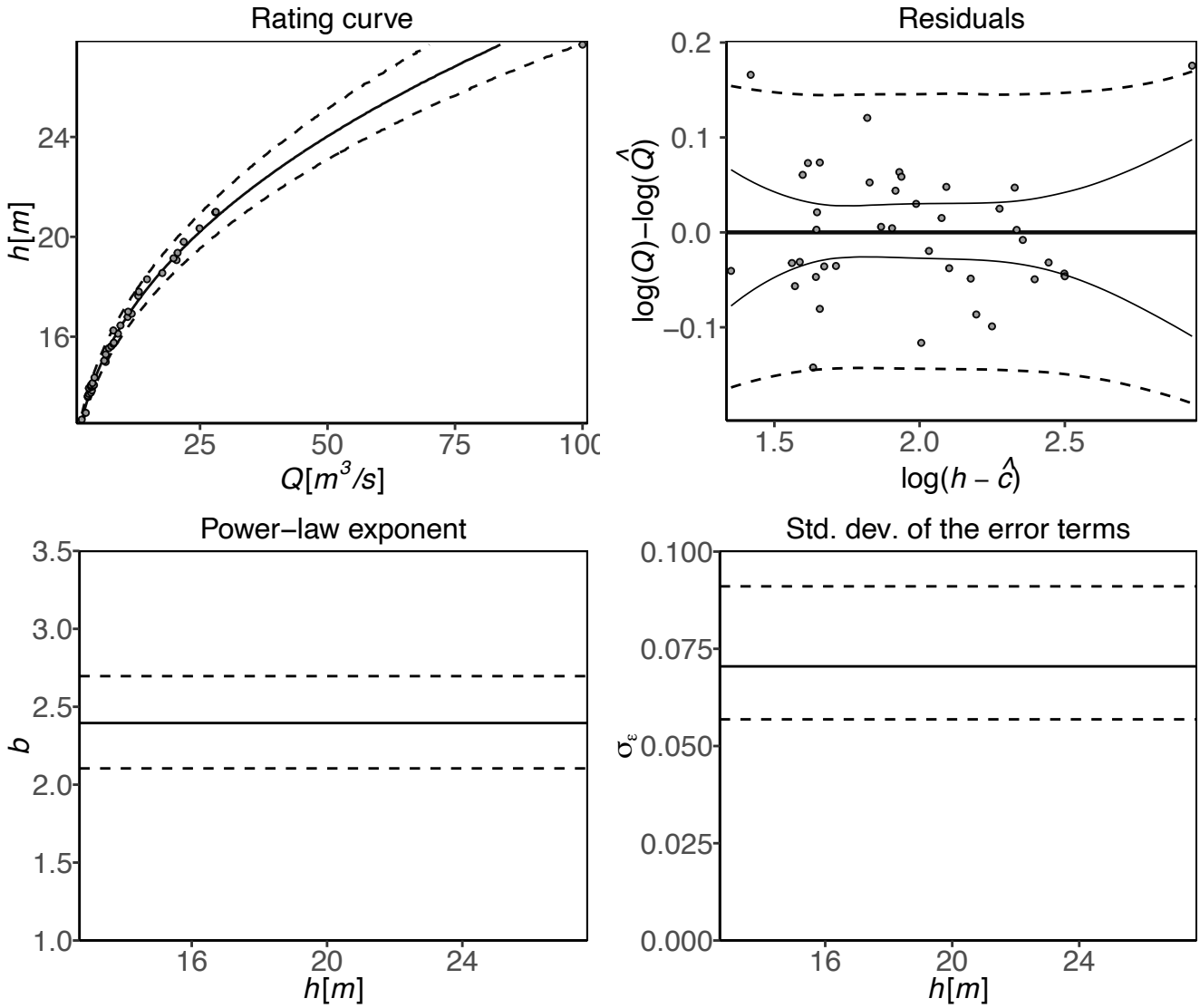
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.17	[0.07; 0.29]	3952	1.00
b	1.84	[1.83; 1.84]	13166	1.00
c	9.39	[8.60; 9.57]	2815	1.00
σ_ε	0.07	[0.05; 0.08]	4701	1.00
σ_β	0.54	[0.34; 0.88]	4941	1.00
ϕ_β	30.93	[5.06; 401.27]	1849	1.00

Eiði, Iceland – PLM



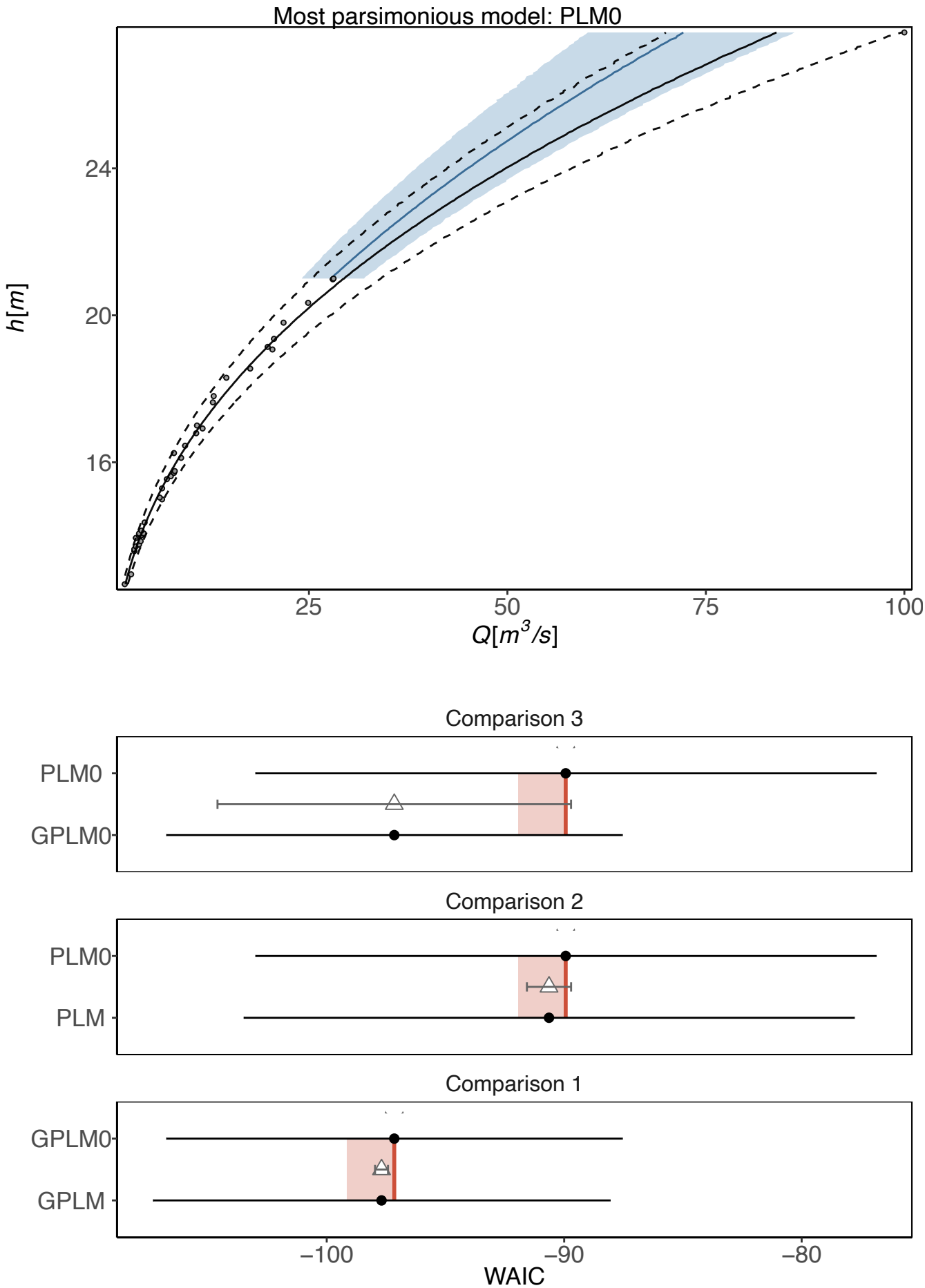
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.08	[0.03; 0.21]	2665	1.00
b	2.36	[2.02; 2.68]	2709	1.00
c	8.92	[7.96; 9.85]	2582	1.00
σ_η	0.10	[0.00; 0.61]	1933	1.00
η_1	–5.29	[–5.77; –4.71]	2289	1.00
η_2	–5.46	[–7.22; –3.63]	2501	1.00
η_3	–5.58	[–8.01; –2.90]	2559	1.00
η_4	–5.30	[–8.36; –2.17]	2518	1.00
η_5	–4.91	[–8.73; –1.22]	2723	1.00
η_6	–4.45	[–8.88; –0.47]	2650	1.00

Eiði, Iceland – PLM0



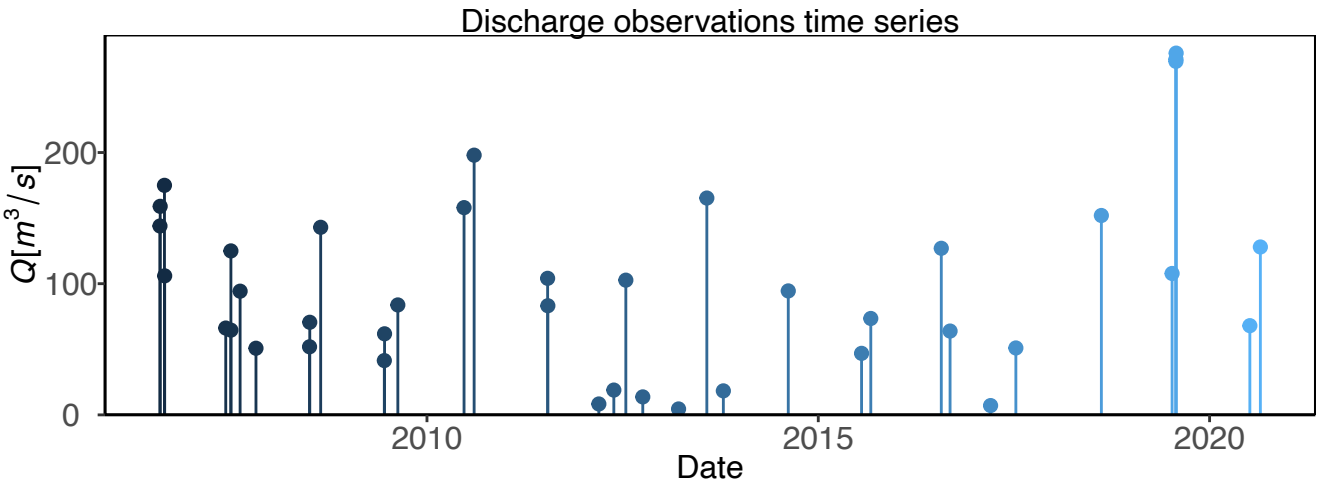
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.07	[0.03; 0.17]	9359	1.00
b	2.40	[2.10; 2.70]	9406	1.00
c	8.82	[7.91; 9.68]	9285	1.00
σ_ε	0.07	[0.06; 0.09]	9088	1.00

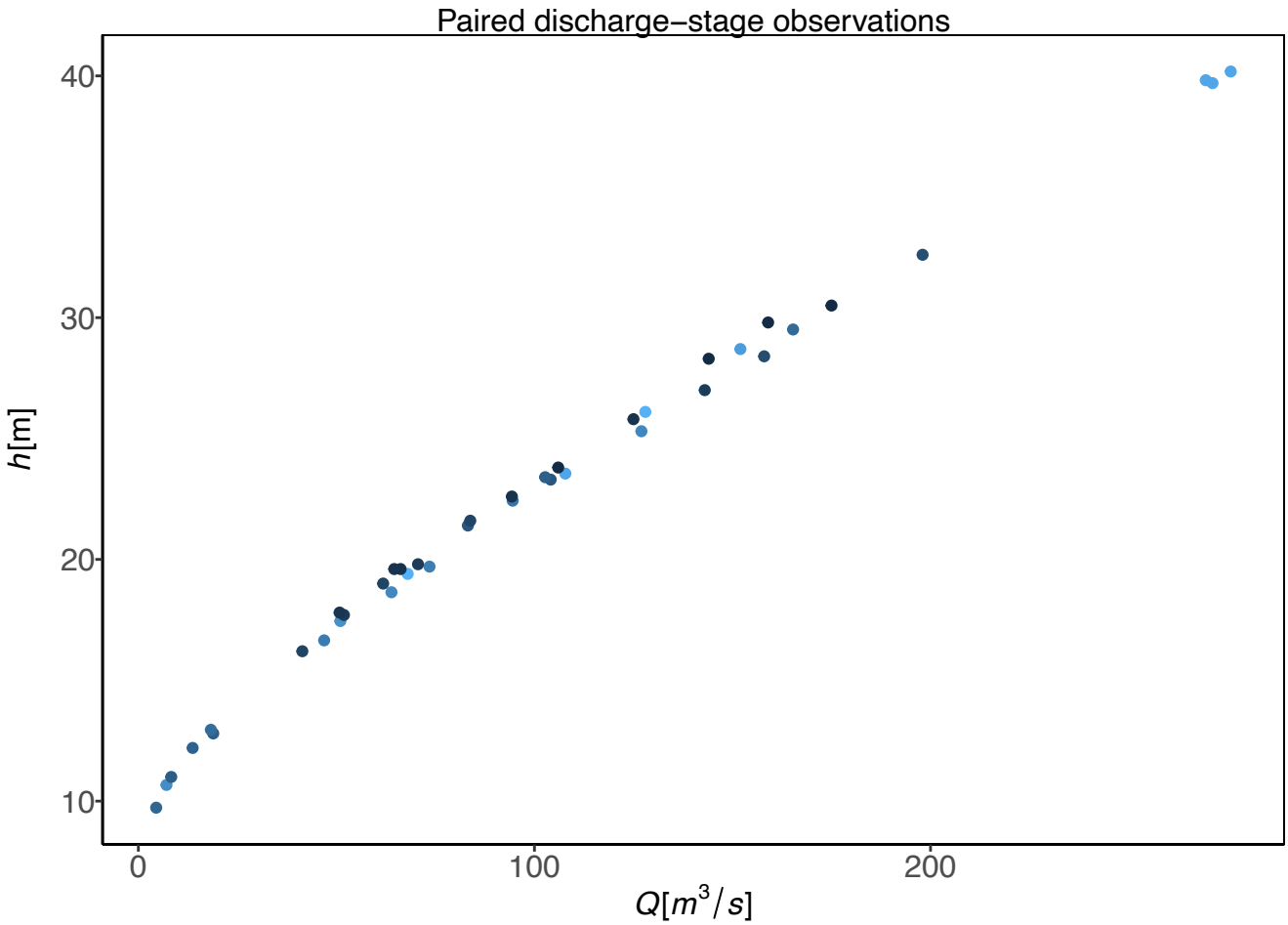
Power−law tournament results for Eiði, Iceland



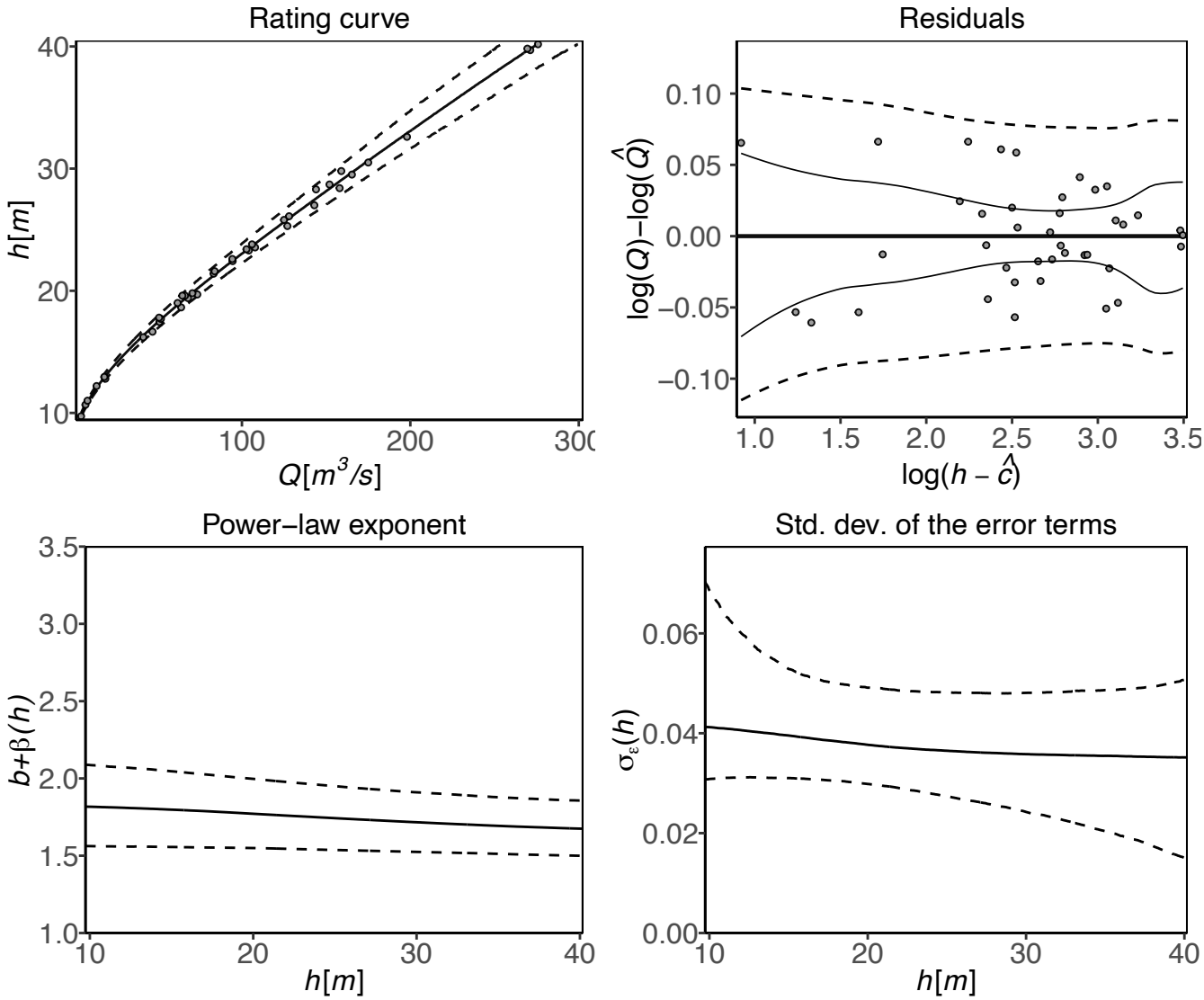
Station name:	Lónshnjúkur
Location:	Iceland
Station number:	V233
Number of observations:	40
Start date:	2006–08–04
End date:	2020–08–25
Max. discharge (m^3/s):	275.8
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.7
GPLM0	1.67	0.3
PLM	19.46	0.0
PLM0	27.85	0.0



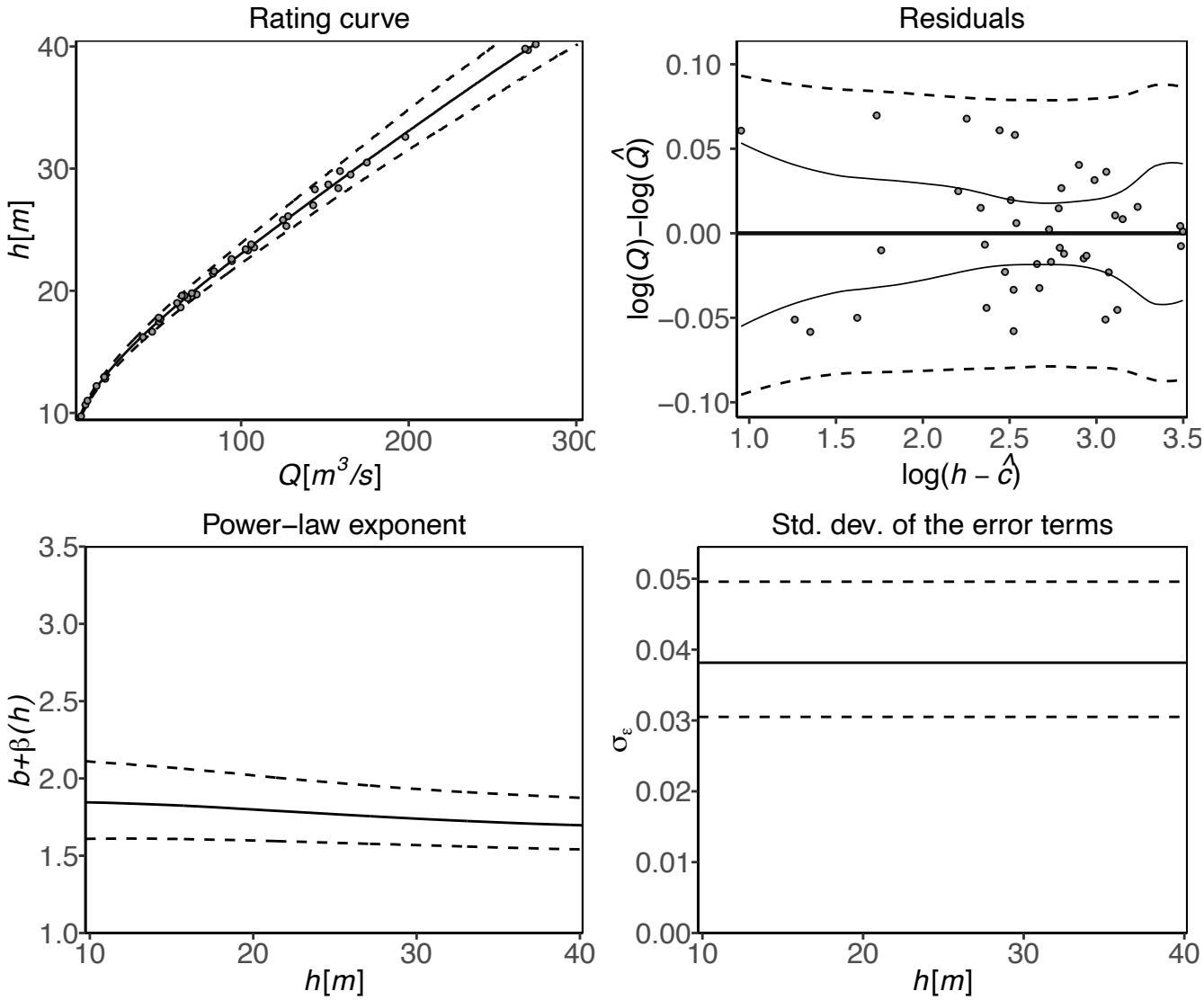


Lónshnjúkur, Iceland – GPLM



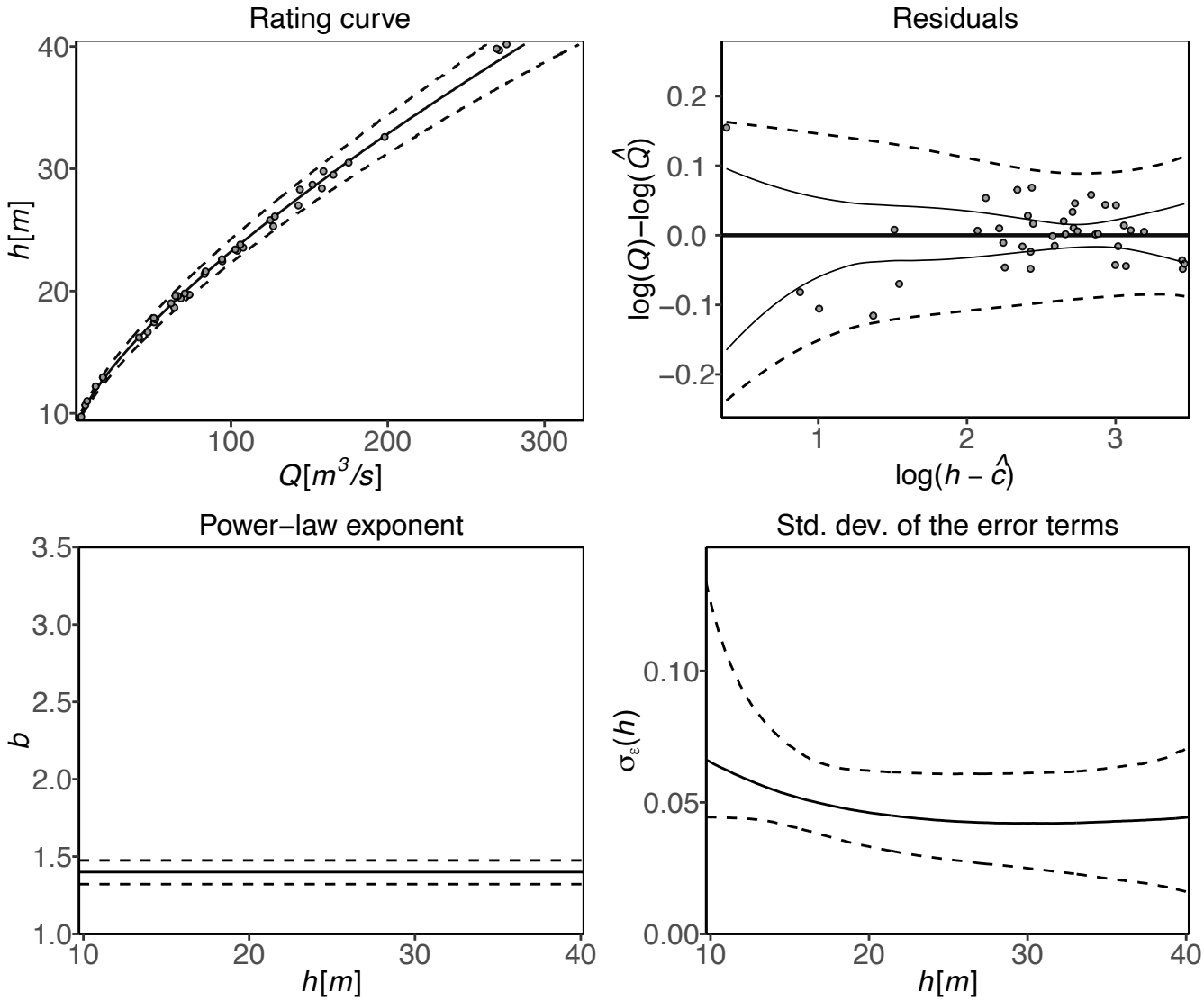
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.79	[0.41; 1.50]	1943	1.00
b	1.83	[1.83; 1.84]	8035	1.00
c	7.22	[6.57; 7.86]	1869	1.00
σ_β	0.18	[0.06; 0.62]	2085	1.00
ϕ_β	54.86	[12.97; 257.25]	1678	1.00
σ_η	0.14	[0.00; 0.66]	979	1.02
η_1	−6.38	[−6.96; −5.31]	2390	1.00
η_2	−6.67	[−8.50; −4.94]	1740	1.01
η_3	−7.26	[−9.70; −4.54]	1612	1.00
η_4	−7.70	[−10.76; −4.20]	1893	1.00
η_5	−7.87	[−11.42; −3.87]	2176	1.00
η_6	−8.07	[−12.15; −3.44]	2099	1.00

Lónshnjúkur, Iceland – GPLM0



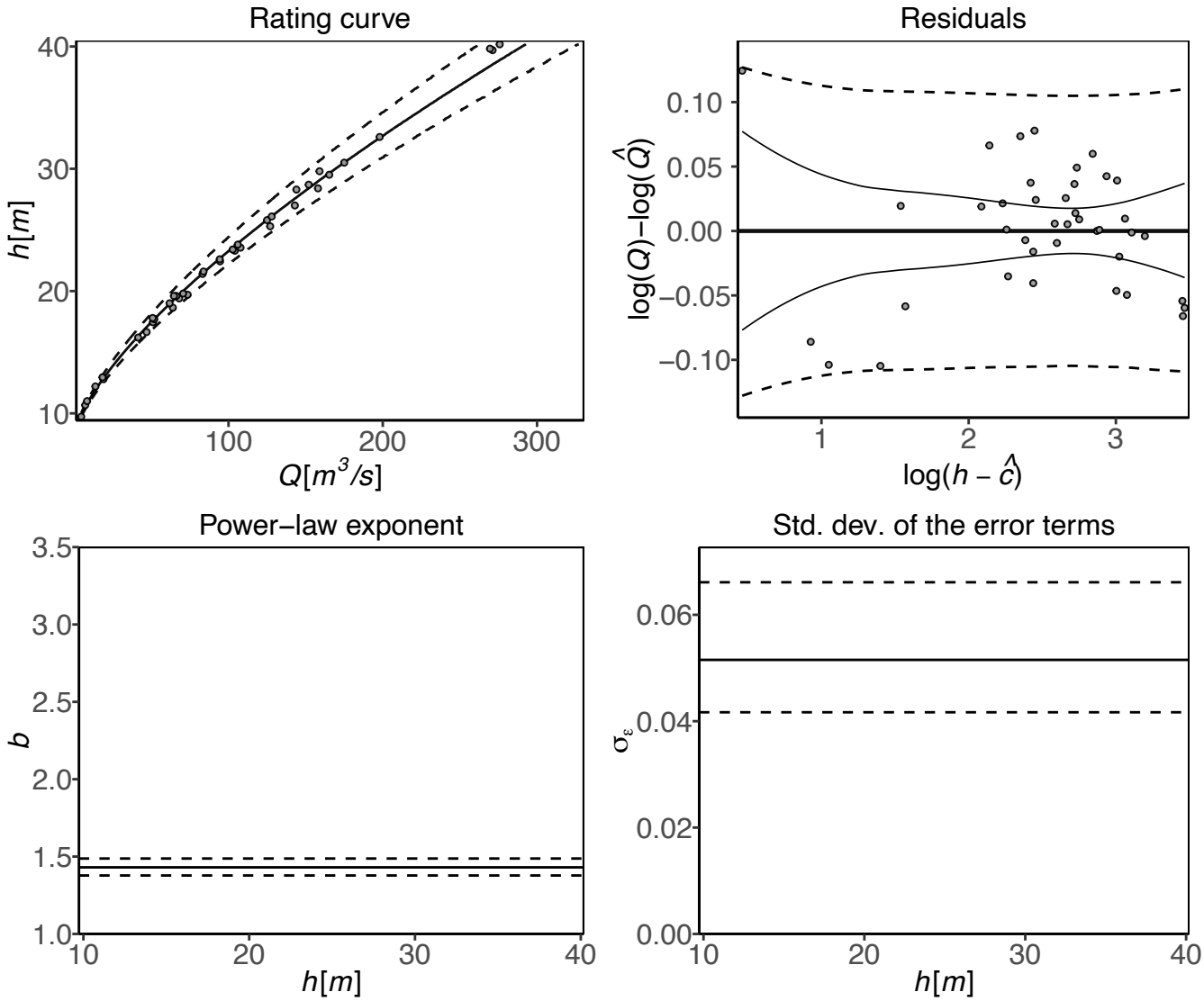
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.73	[0.38; 1.29]	4355	1.00
b	1.83	[1.83; 1.84]	12733	1.00
c	7.14	[6.53; 7.71]	4242	1.00
σ_ε	0.04	[0.03; 0.05]	5017	1.00
σ_β	0.41	[0.23; 0.75]	5438	1.00
ϕ_β	47.66	[11.79; 205.28]	4287	1.00

Lónshnjúkur, Iceland – PLM



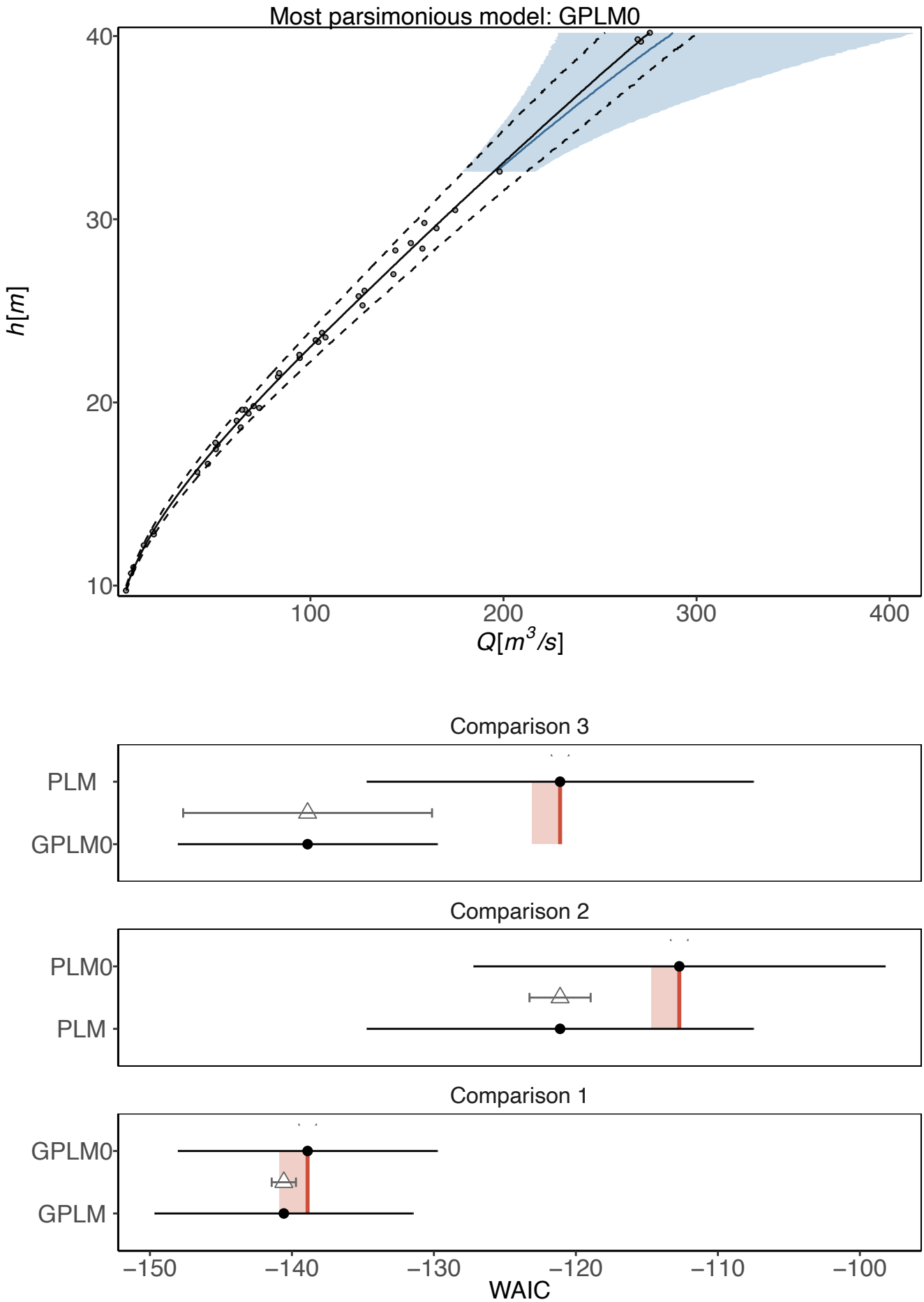
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.26	[1.79; 2.90]	1435	1.03
b	1.40	[1.32; 1.47]	1471	1.03
c	8.27	[7.96; 8.64]	1467	1.03
σ_η	0.35	[0.00; 0.92]	754	1.17
η_1	–5.43	[–6.23; –4.02]	1203	1.04
η_2	–6.28	[–7.93; –4.52]	1354	1.04
η_3	–7.40	[–9.57; –4.40]	1366	1.05
η_4	–7.84	[–10.51; –4.00]	2062	1.01
η_5	–7.76	[–11.01; –3.64]	2406	1.00
η_6	–7.67	[–11.52; –3.19]	2563	1.00

Lónshnjúkur, Iceland – PLM0



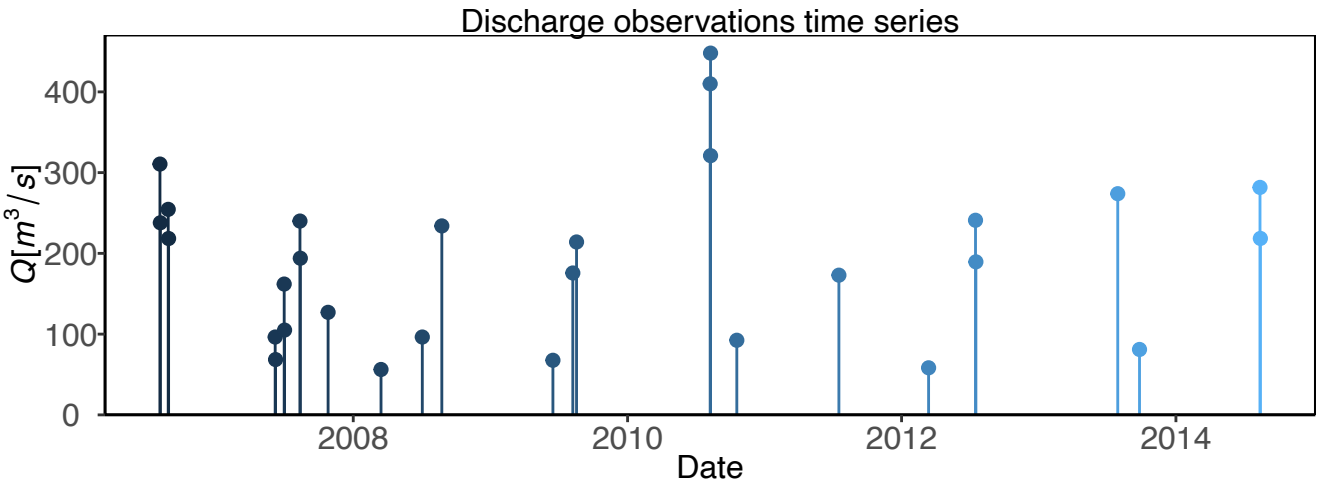
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.05	[1.72; 2.42]	10330	1.00
b	1.43	[1.38; 1.49]	10547	1.00
c	8.14	[7.90; 8.36]	9854	1.00
σ_ε	0.05	[0.04; 0.07]	9688	1.00

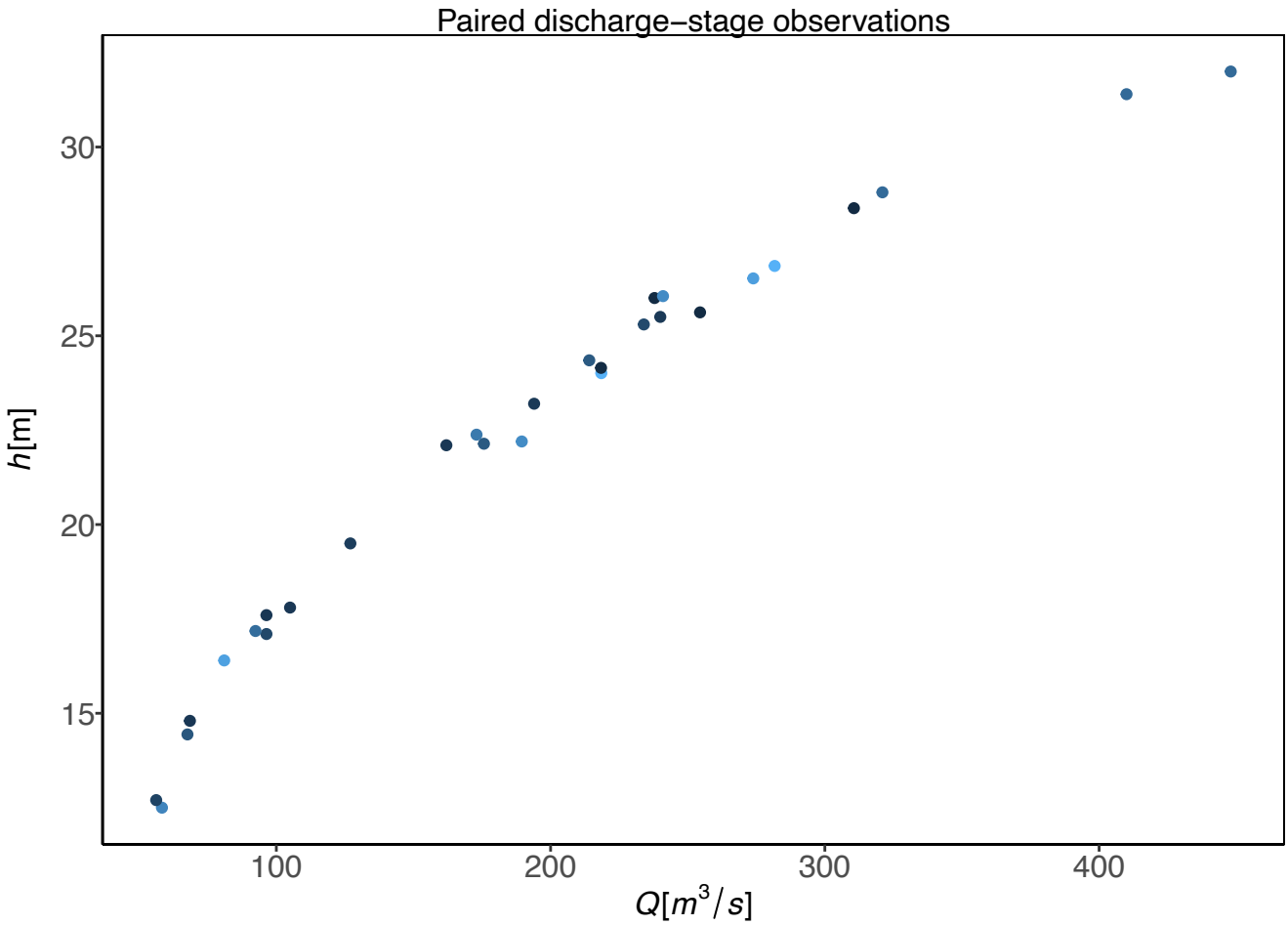
Power−law tournament results for Lónshnjúkur, Iceland



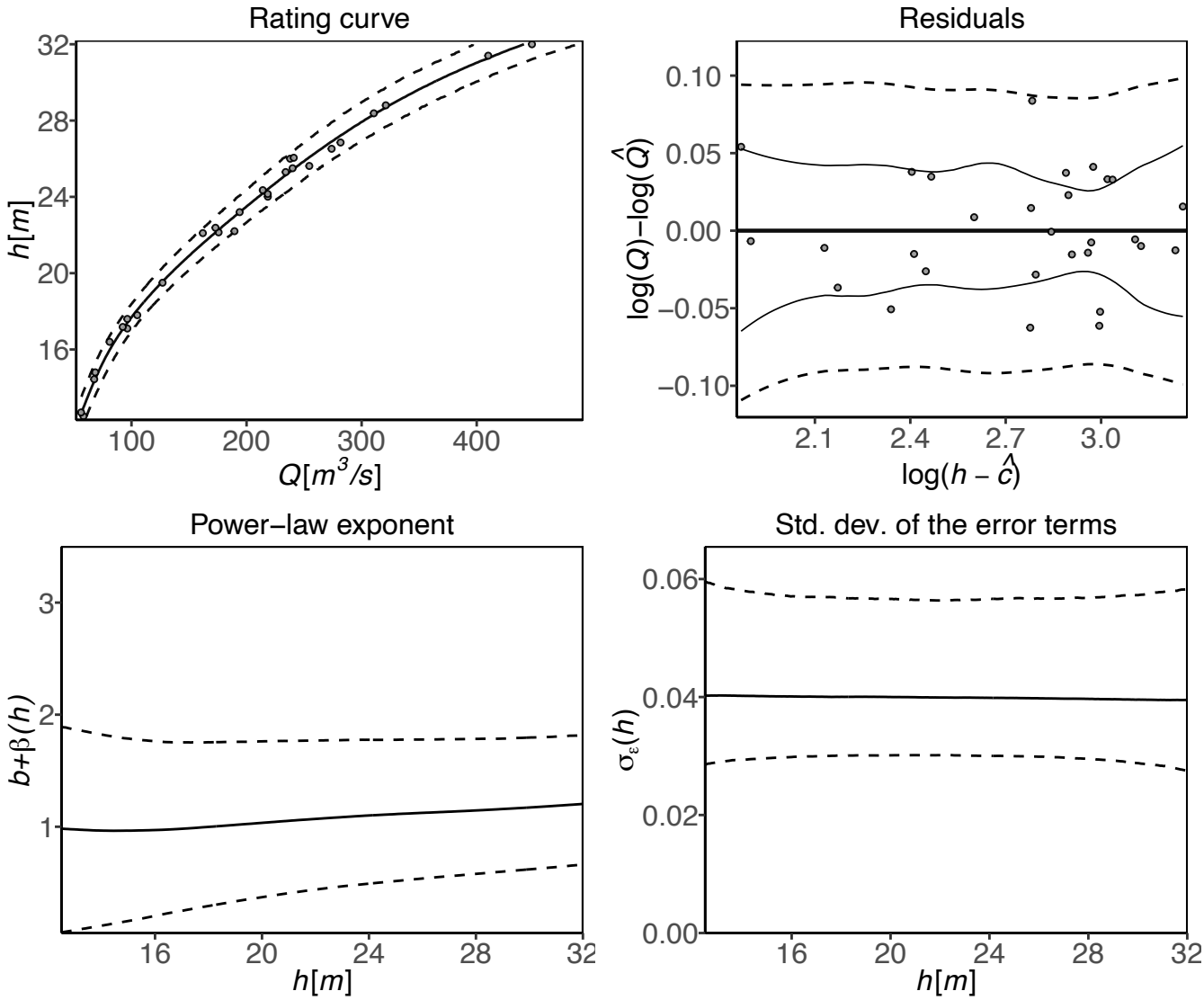
Station name:	Upptyppingar II
Location:	Iceland
Station number:	V289
Number of observations:	29
Start date:	2006–08–04
End date:	2014–08–14
Max. discharge (m^3/s):	448
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.01	0.5
GPLM0	0.00	0.5
PLM	35.02	0.0
PLM0	40.72	0.0



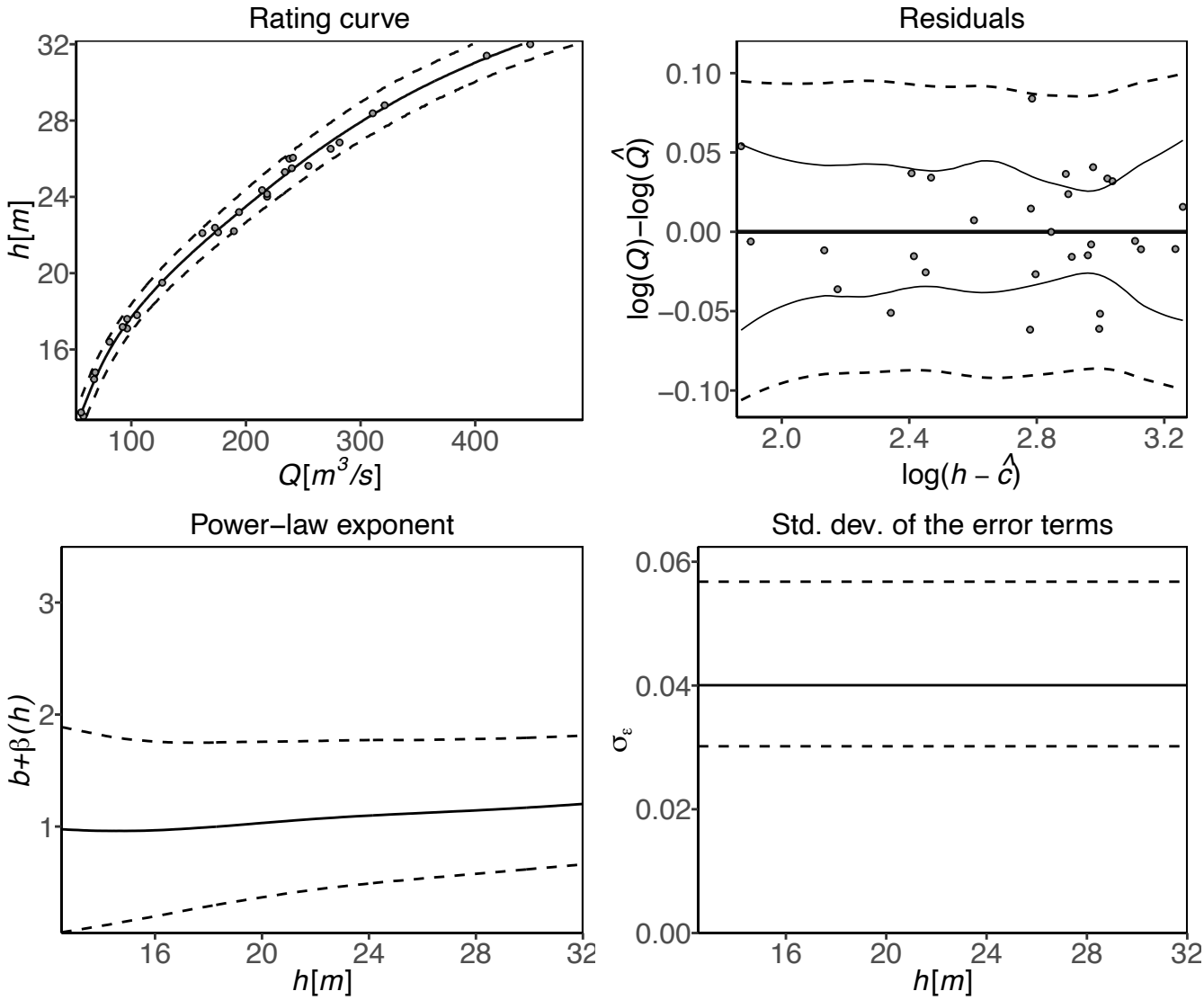


Upptyppingar II, Iceland – GPLM



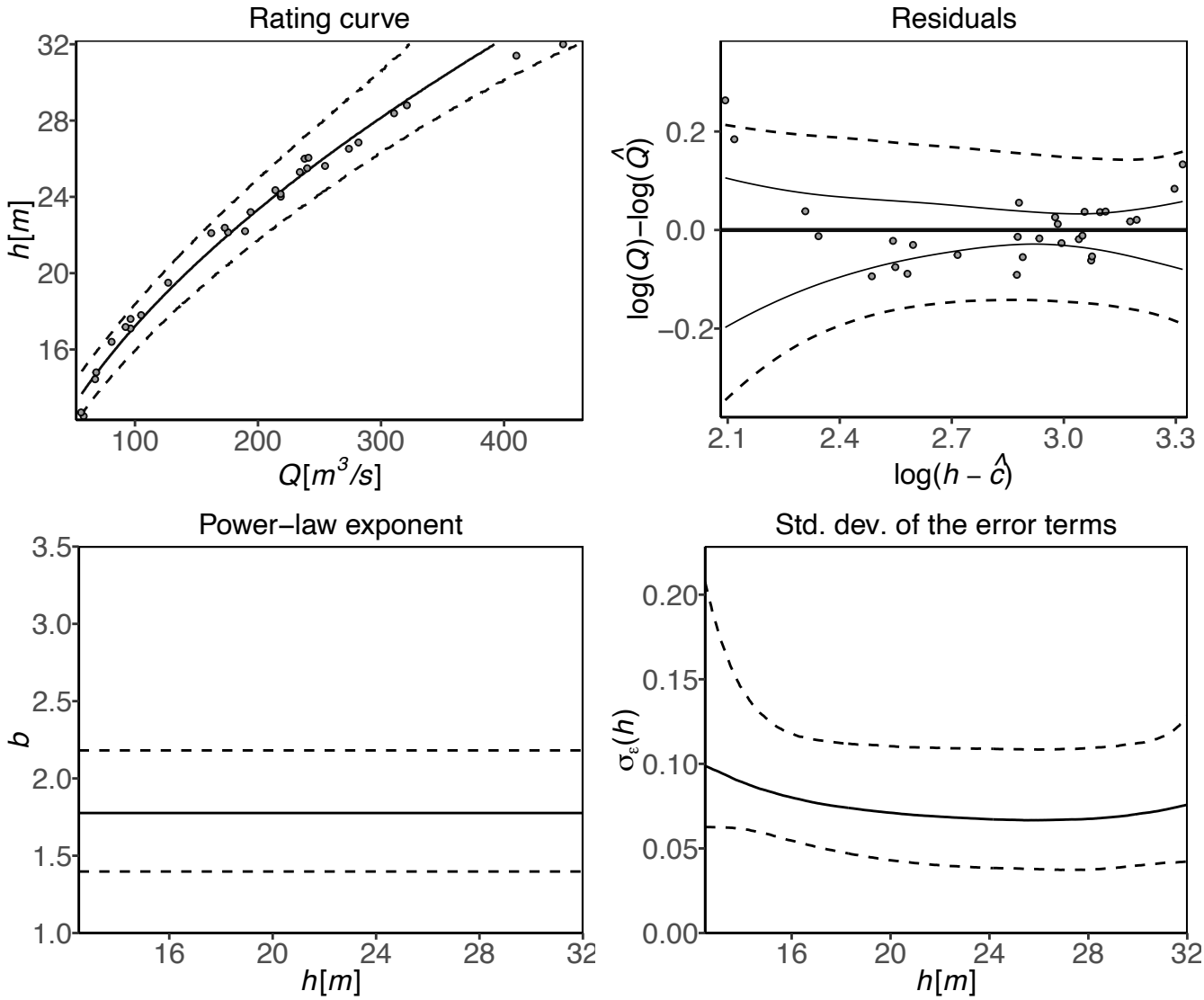
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.71	[1.06; 50.81]	2230	1.00
b	1.83	[1.83; 1.84]	10756	1.00
c	6.03	[3.44; 6.60]	1369	1.00
σ_β	0.47	[0.09; 1.12]	1573	1.00
ϕ_β	22.73	[6.60; 61.72]	1490	1.00
σ_η	0.07	[0.00; 0.40]	1412	1.00
η_1	–6.43	[–7.11; –5.64]	1915	1.00
η_2	–6.44	[–8.28; –4.52]	2198	1.00
η_3	–6.41	[–9.01; –3.78]	2306	1.00
η_4	–6.43	[–9.54; –3.23]	2351	1.00
η_5	–6.55	[–10.20; –2.75]	2403	1.00
η_6	–6.58	[–10.71; –2.39]	2326	1.00

Upptyppingar II, Iceland – GPLM0



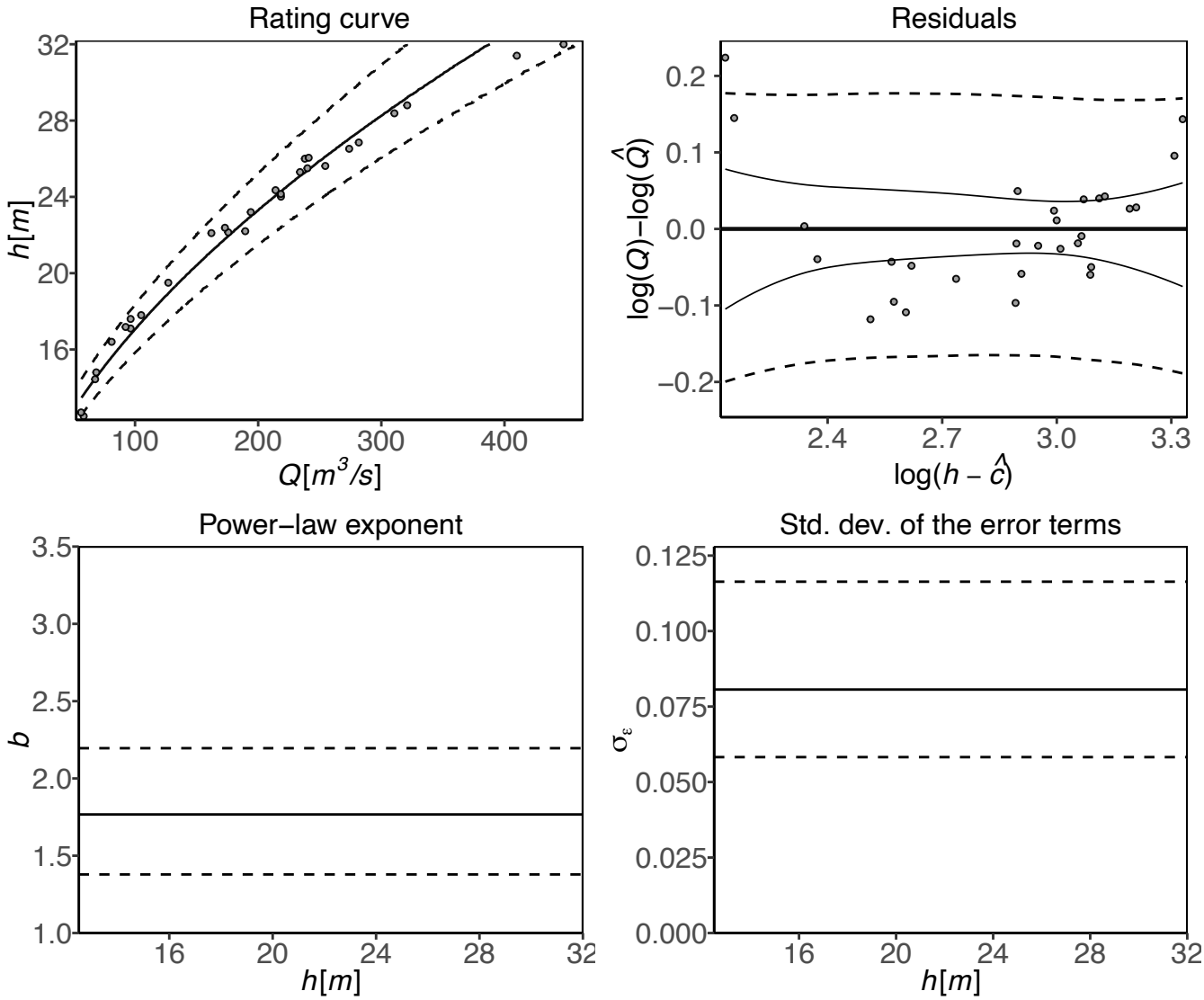
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	8.76	[1.06; 50.71]	4758	1.00
b	1.83	[1.83; 1.84]	11312	1.00
c	6.00	[3.40; 6.60]	3170	1.00
σ_ε	0.04	[0.03; 0.06]	4183	1.00
σ_β	0.68	[0.32; 1.06]	3495	1.00
ϕ_β	23.04	[6.84; 63.73]	3112	1.00

Upptyppingar II, Iceland – PLM



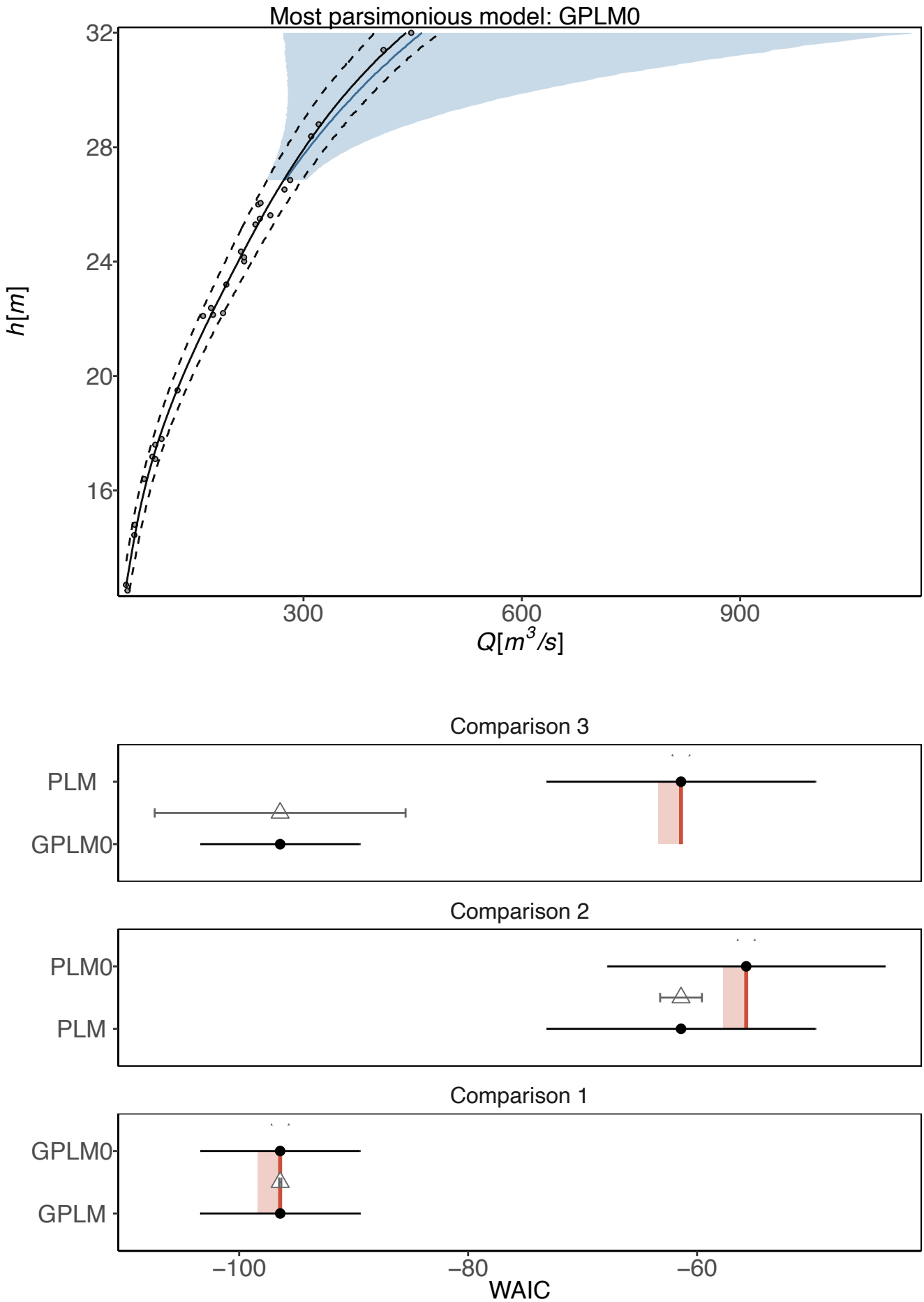
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.09	[0.23; 4.20]	3150	1.00
b	1.78	[1.40; 2.18]	3141	1.00
c	4.39	[0.87; 7.48]	2751	1.00
σ_η	0.28	[0.00; 0.95]	748	1.11
η_1	–4.63	[–5.54; –3.14]	1394	1.02
η_2	–5.43	[–7.24; –3.41]	1290	1.04
η_3	–6.22	[–8.49; –3.04]	1544	1.02
η_4	–6.76	[–9.43; –2.53]	1911	1.01
η_5	–6.51	[–9.67; –2.25]	2336	1.00
η_6	–5.94	[–9.59; –1.88]	2027	1.01

Upptyppingar II, Iceland – PLM0



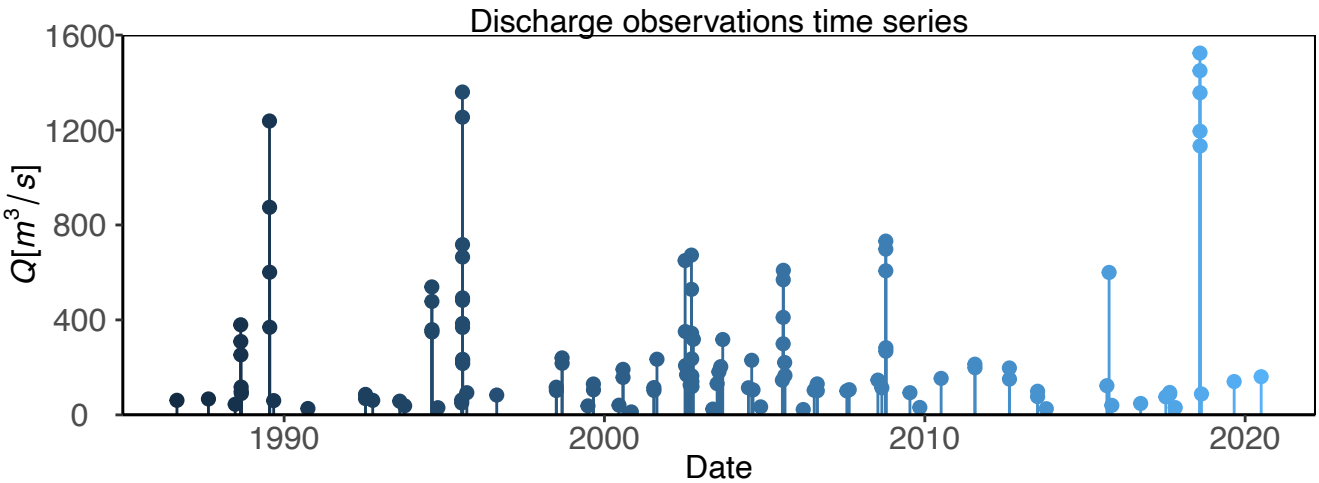
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.08	[0.21; 4.37]	10058	1.00
b	1.77	[1.38; 2.20]	10057	1.00
c	4.07	[0.49; 7.16]	9611	1.00
σ_ε	0.08	[0.06; 0.12]	9911	1.00

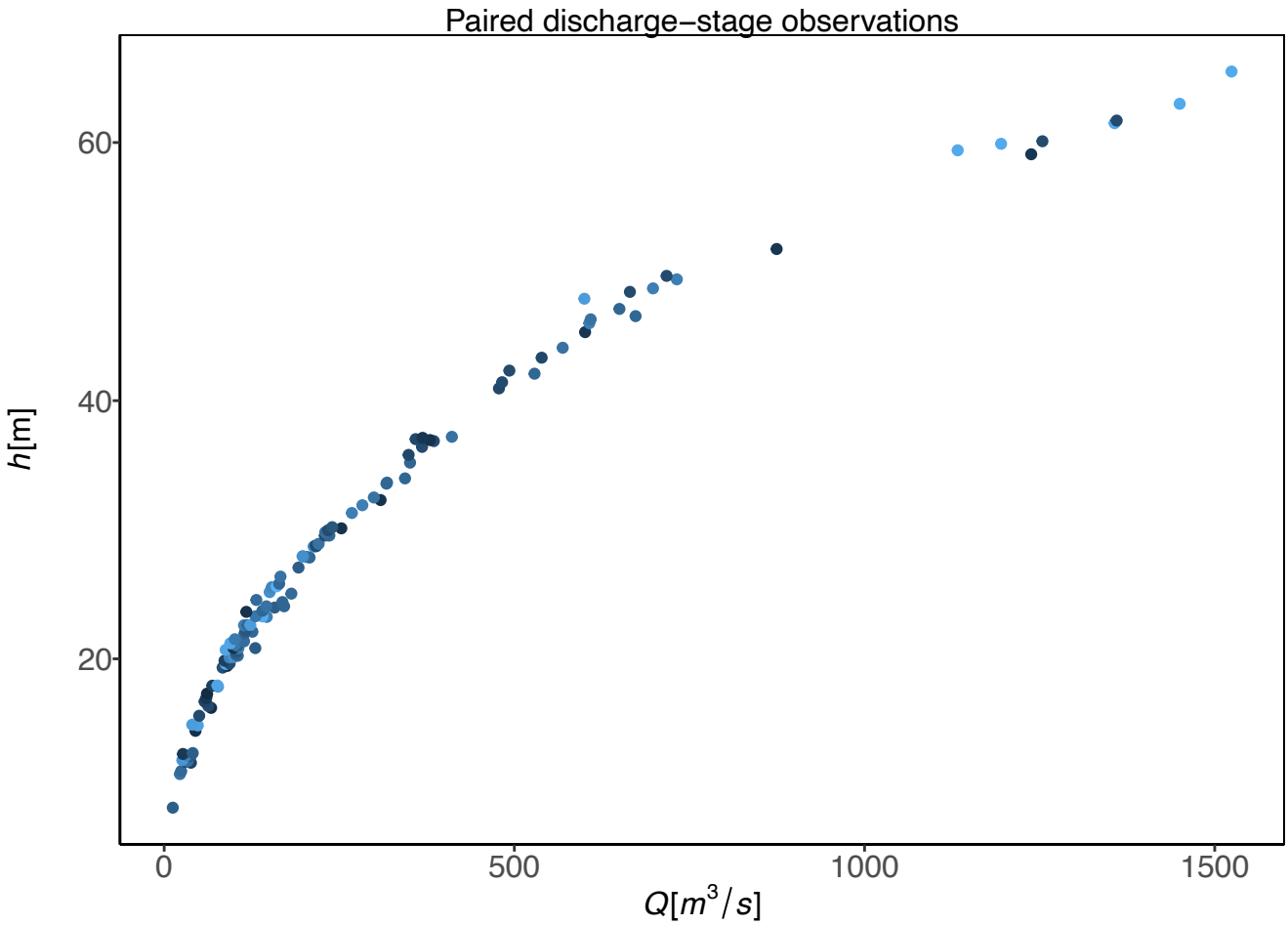
Power−law tournament results for Upptyppingar II, Iceland



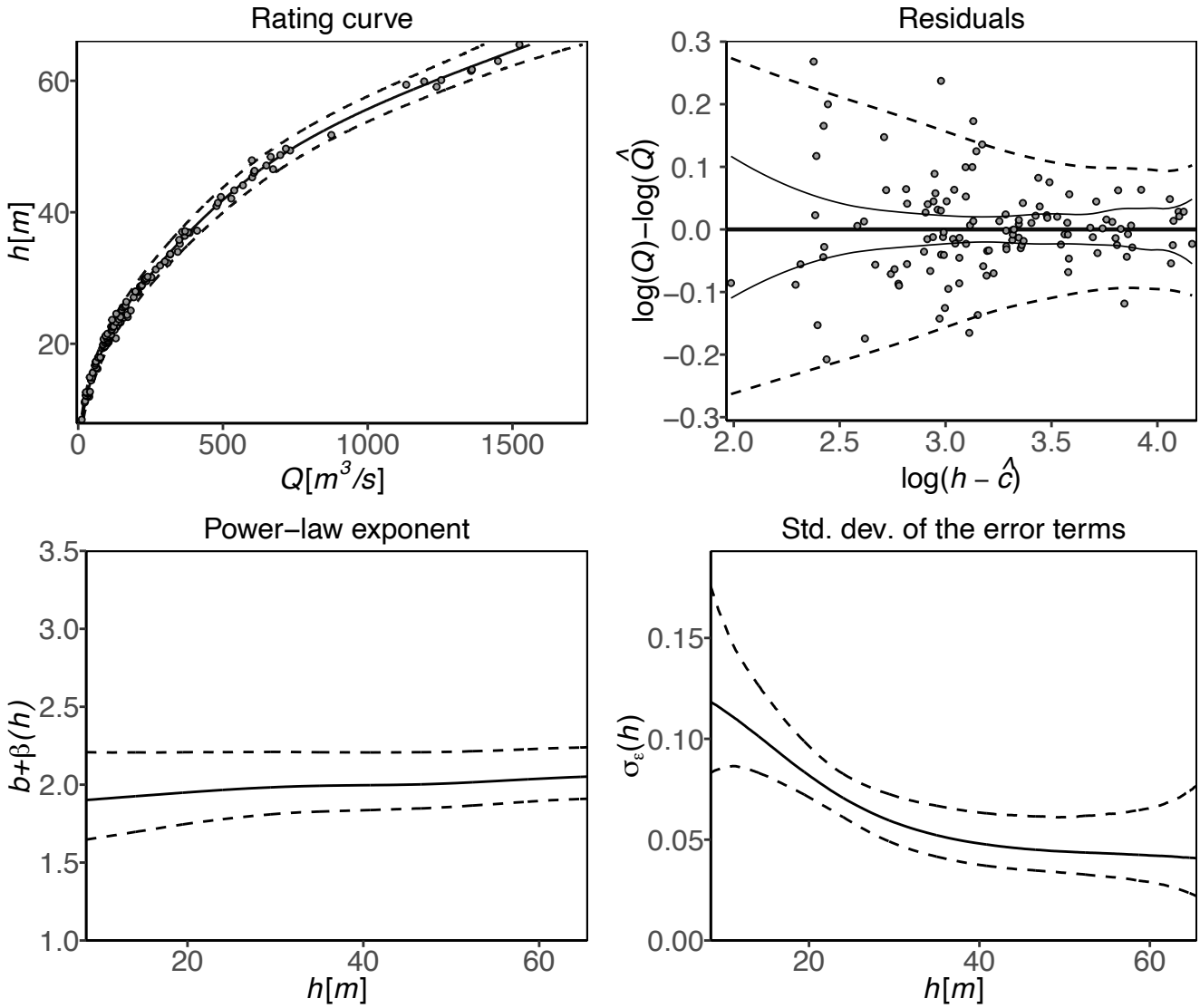
Station name:	Sveinstindur
Location:	Iceland
Station number:	V299
Number of observations:	123
Start date:	1986–08–28
End date:	2020–07–02
Max. discharge (m^3/s):	1524
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	1
GPLM0	34.51	0
PLM	19.44	0
PLM0	38.60	0



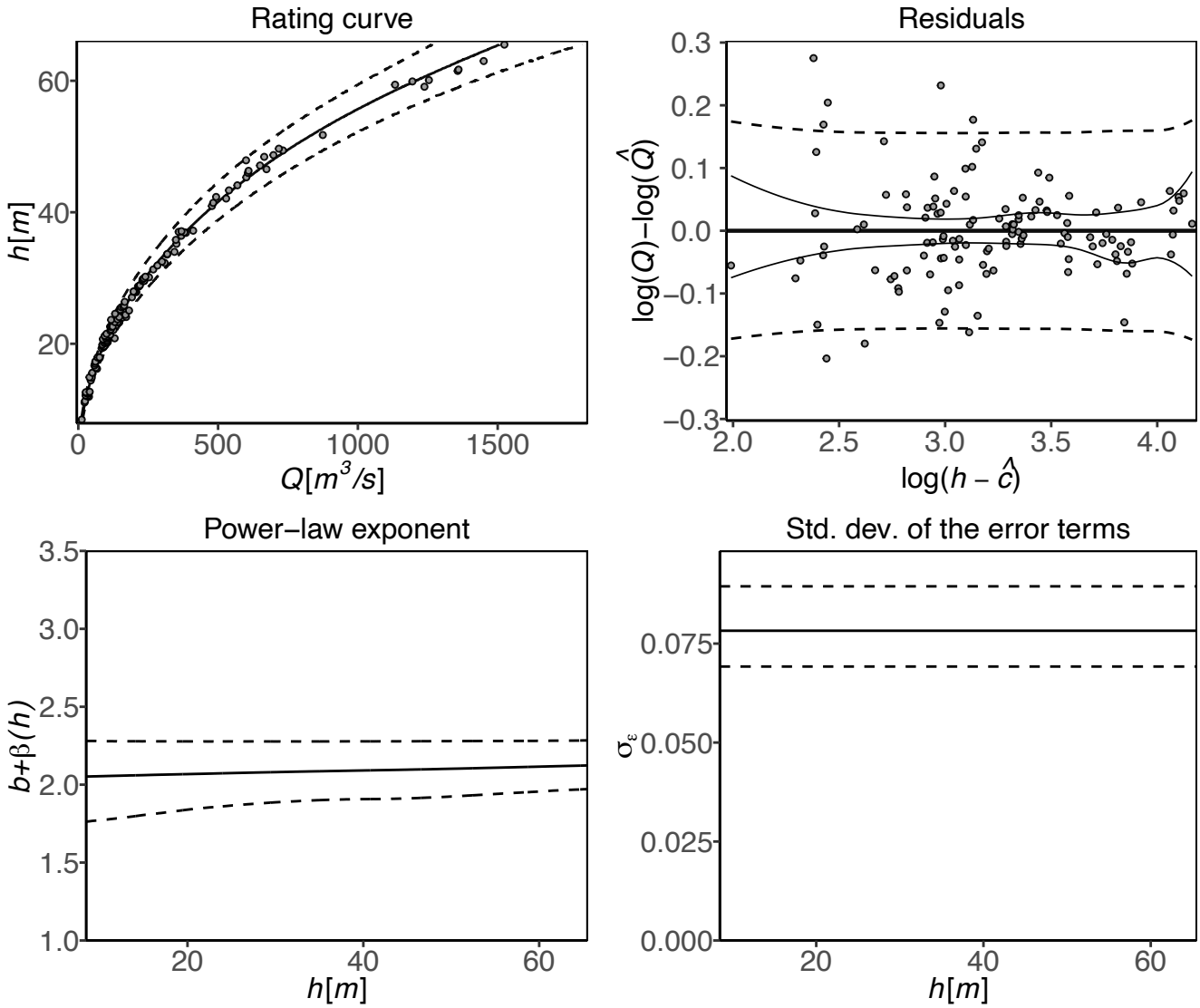


Sveinstindur, Iceland – GPLM



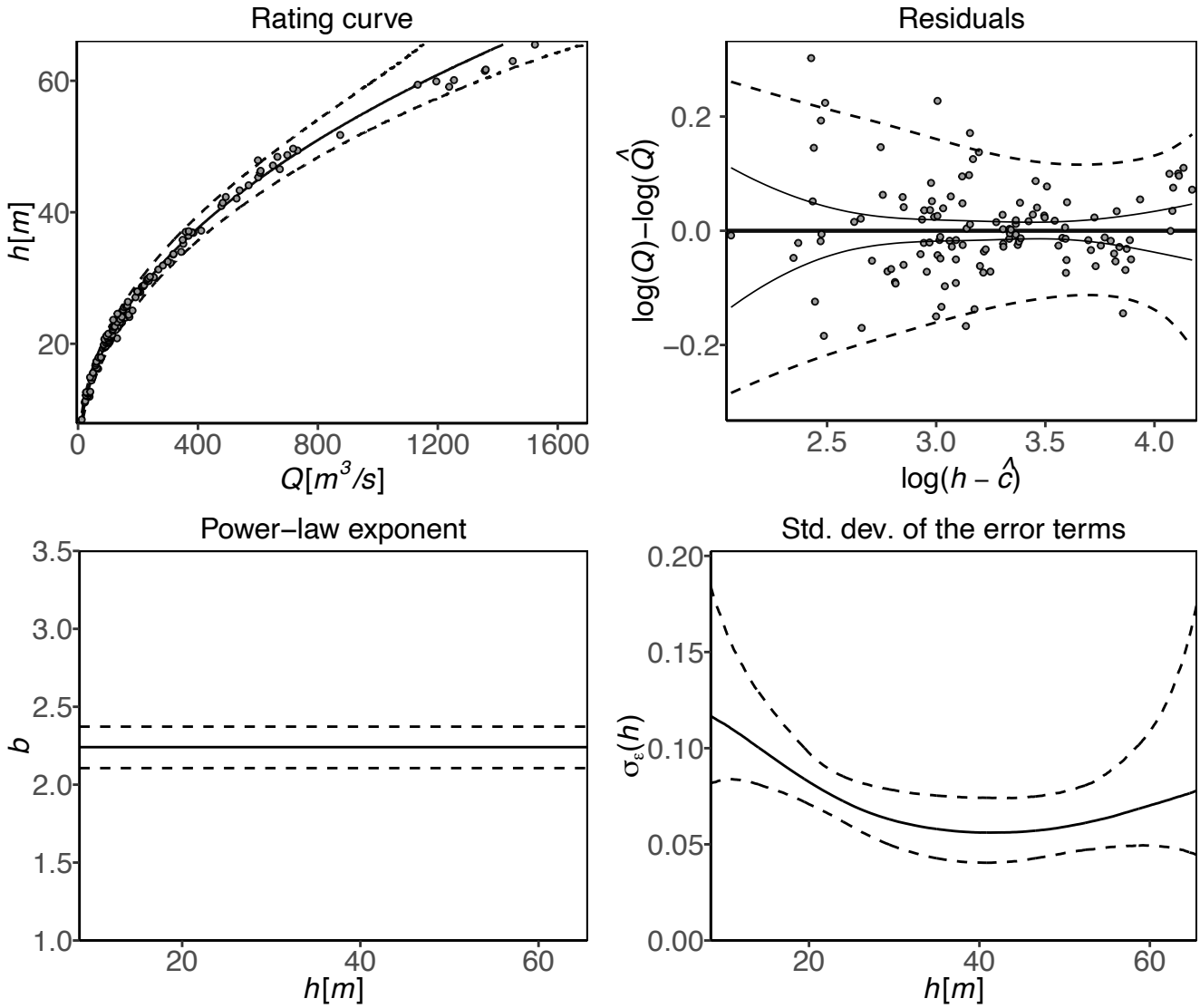
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.30	[0.14; 0.55]	3776	1.00
b	1.84	[1.83; 1.84]	9020	1.00
c	1.18	[0.22; 1.39]	1327	1.00
σ_β	0.19	[0.07; 0.56]	2186	1.00
ϕ_β	54.75	[25.01; 212.59]	1250	1.01
σ_η	0.57	[0.30; 1.02]	1779	1.00
η_1	–4.27	[–4.98; –3.48]	2130	1.00
η_2	–4.76	[–6.15; –3.68]	1846	1.01
η_3	–6.81	[–8.44; –5.58]	2139	1.00
η_4	–7.81	[–10.02; –6.11]	2108	1.00
η_5	–7.80	[–10.42; –5.71]	2076	1.00
η_6	–8.04	[–11.00; –5.50]	2012	1.00

Sveinstindur, Iceland – GPLM0



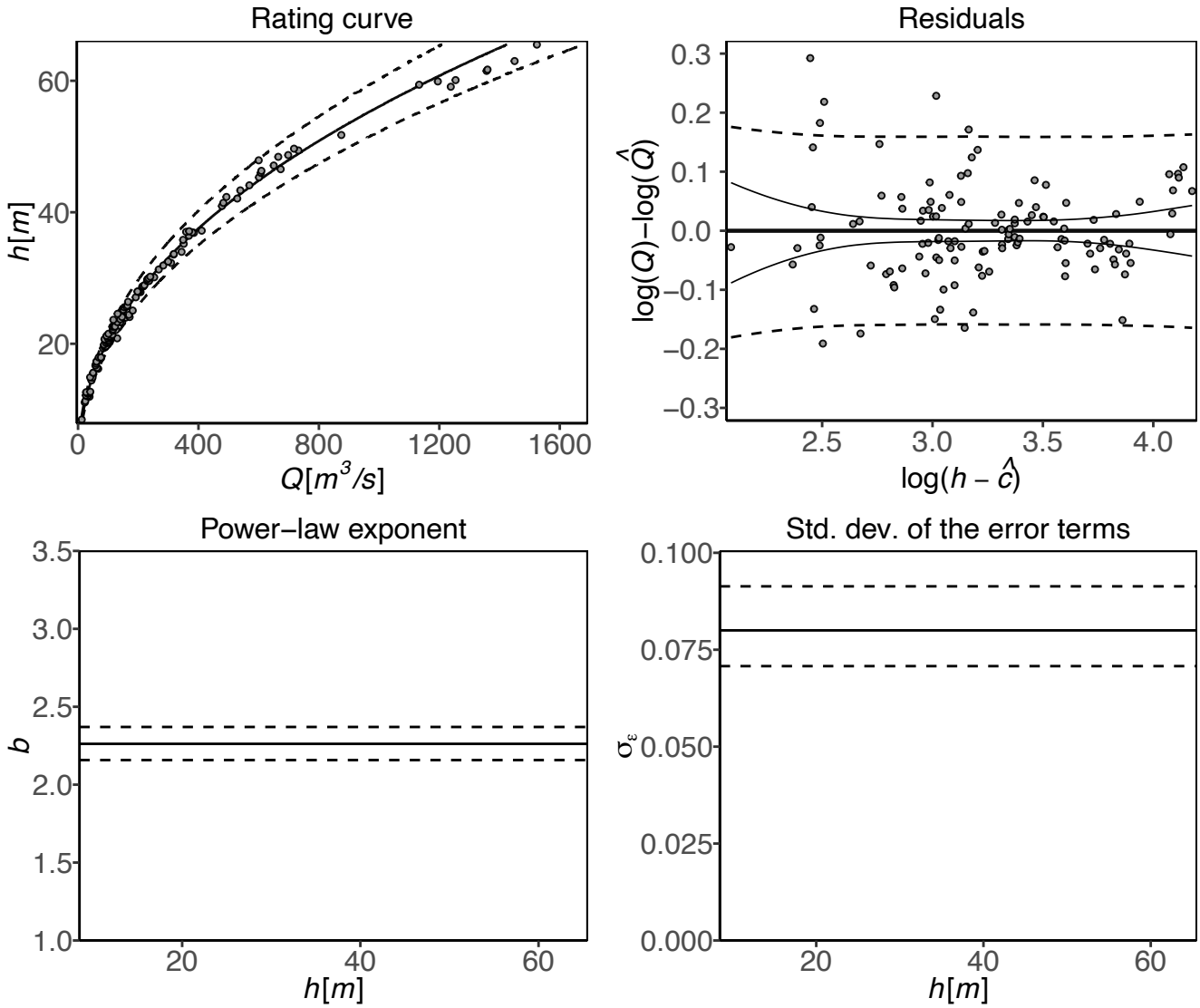
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.22	[0.10; 0.42]	3832	1.00
b	1.84	[1.83; 1.84]	12741	1.00
c	1.15	[0.07; 1.38]	2837	1.00
σ_ε	0.08	[0.07; 0.09]	5030	1.00
σ_β	0.50	[0.31; 0.83]	4757	1.00
ϕ_β	178.53	[33.21; 5301.50]	1596	1.00

Sveinstindur, Iceland – PLM



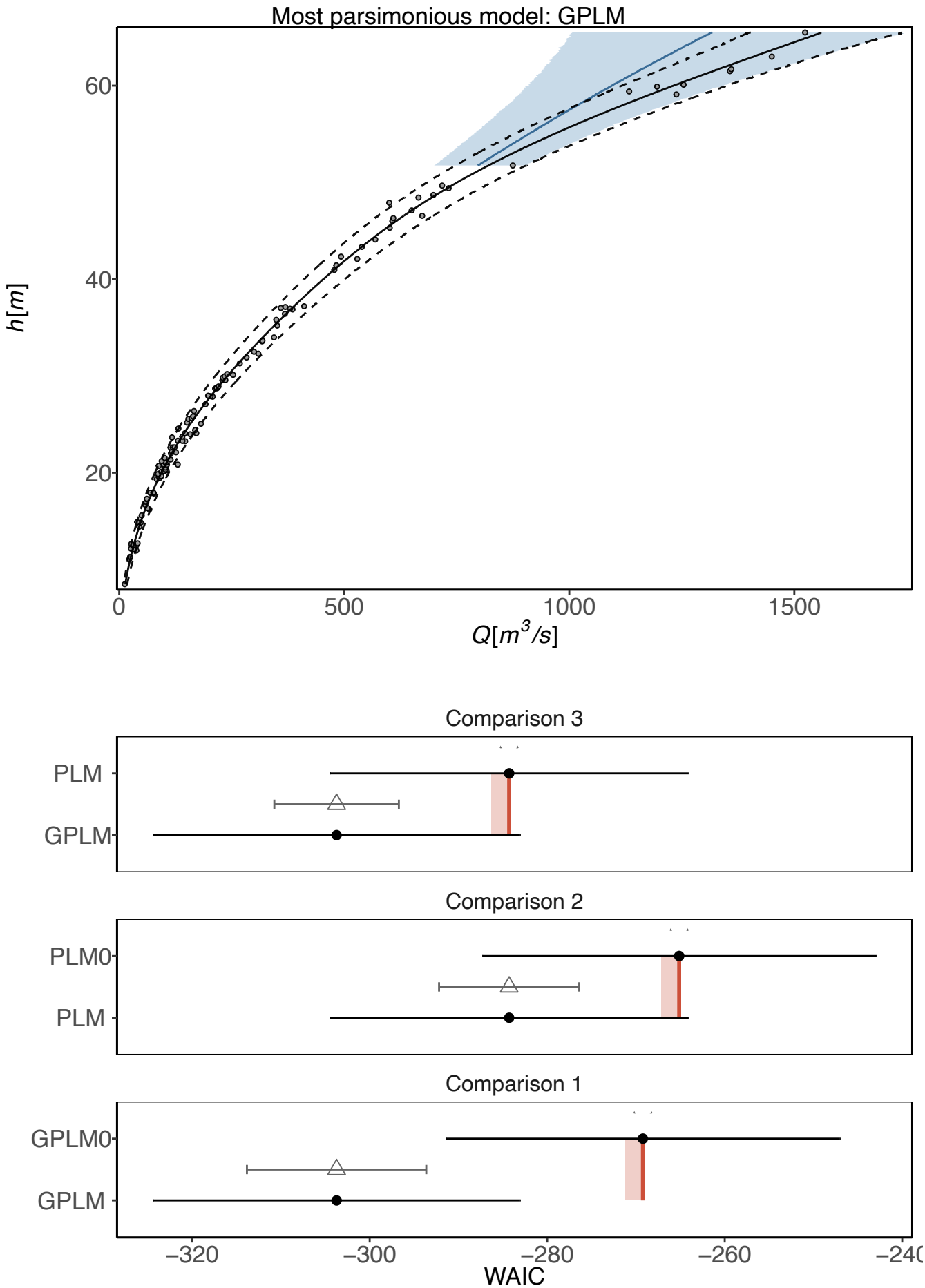
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.12	[0.07; 0.22]	2557	1.00
b	2.24	[2.11; 2.37]	2549	1.00
c	0.62	[–0.78; 2.01]	2582	1.00
σ_η	0.55	[0.19; 1.13]	1293	1.01
η_1	–4.29	[–5.01; –3.38]	1769	1.01
η_2	–4.81	[–6.55; –3.65]	1501	1.00
η_3	–6.76	[–8.69; –5.52]	2047	1.00
η_4	–7.18	[–9.33; –5.71]	2097	1.00
η_5	–6.28	[–9.28; –4.36]	1818	1.00
η_6	–5.78	[–9.46; –3.38]	2141	1.00

Sveinstindur, Iceland – PLM0



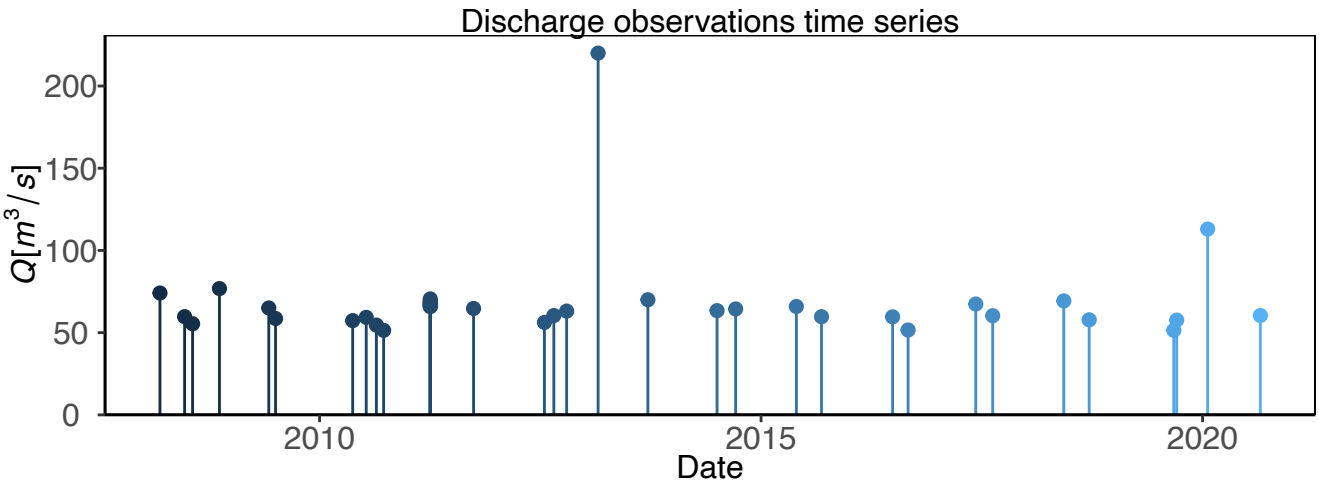
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.11	[0.07; 0.17]	9687	1.00
b	2.26	[2.16; 2.37]	9753	1.00
c	0.41	[–0.69; 1.42]	9589	1.00
σ_ε	0.08	[0.07; 0.09]	9469	1.00

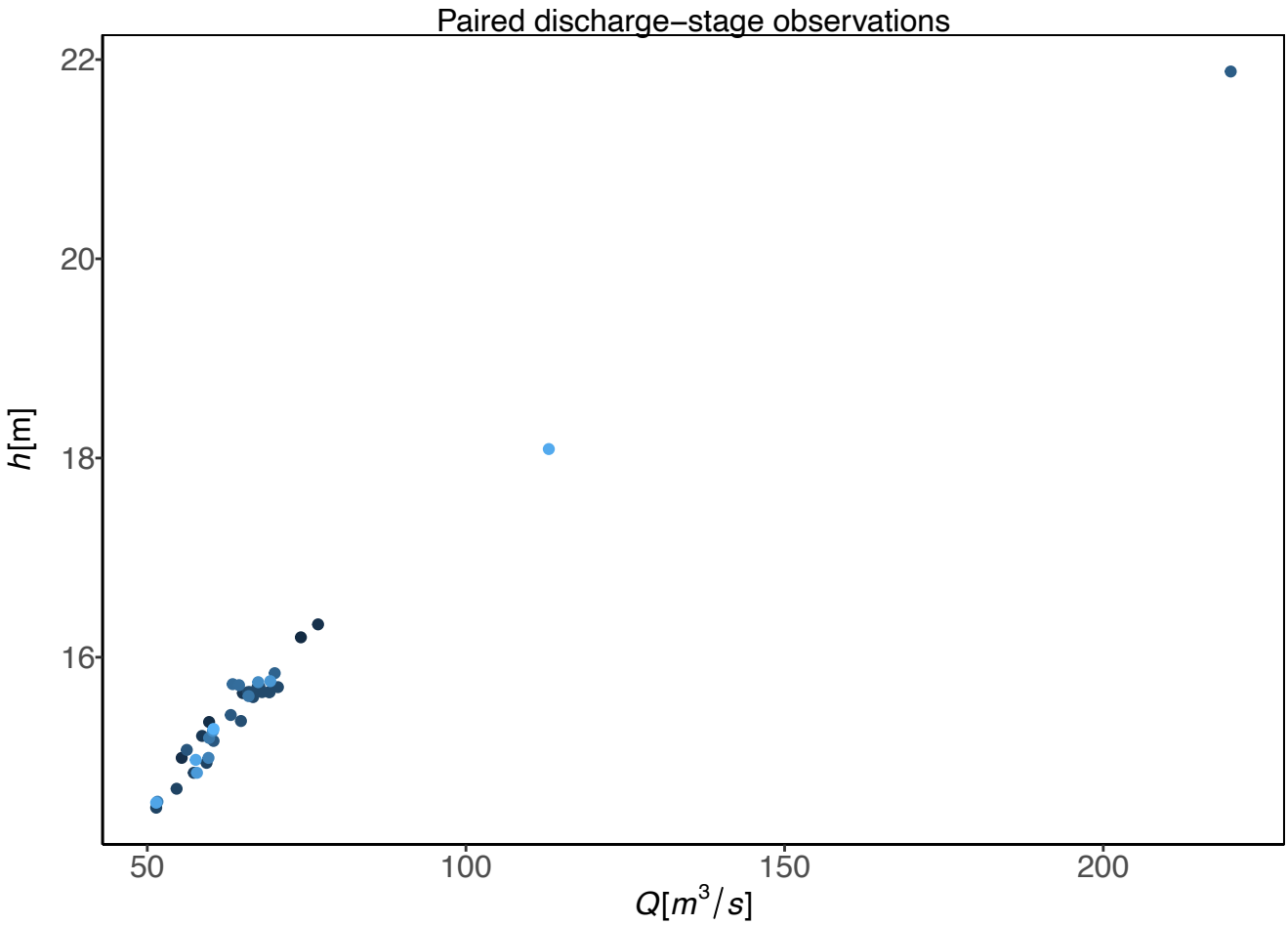
Power−law tournament results for Sveinstindur, Iceland



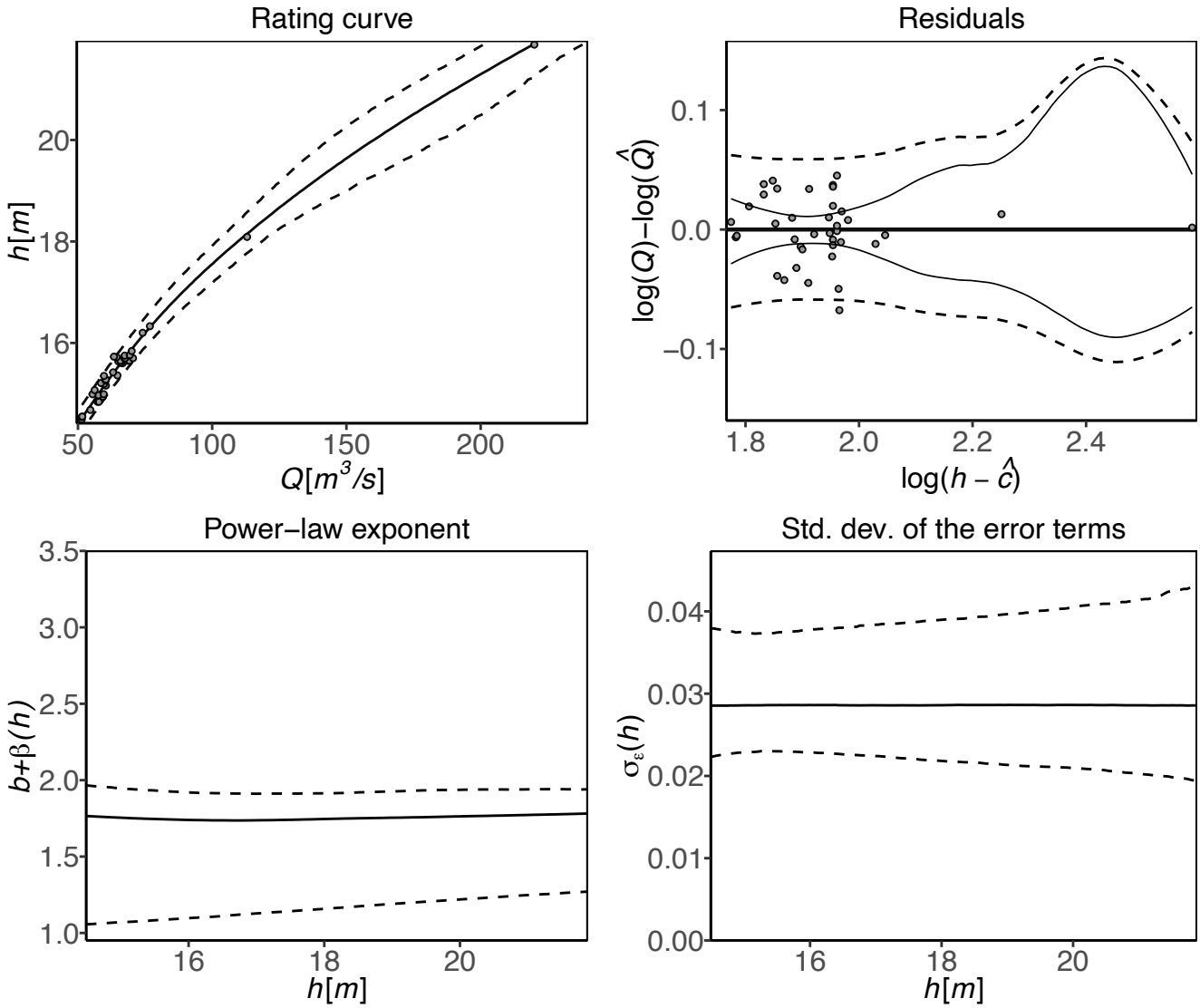
Station name:	Dynjandi
Location:	Iceland
Station number:	V313
Number of observations:	39
Start date:	2008–03–12
End date:	2020–08–27
Max. discharge (m^3/s):	220
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.63	0.42
GPLM0	0.00	0.58
PLM	16.82	0.00
PLM0	16.60	0.00



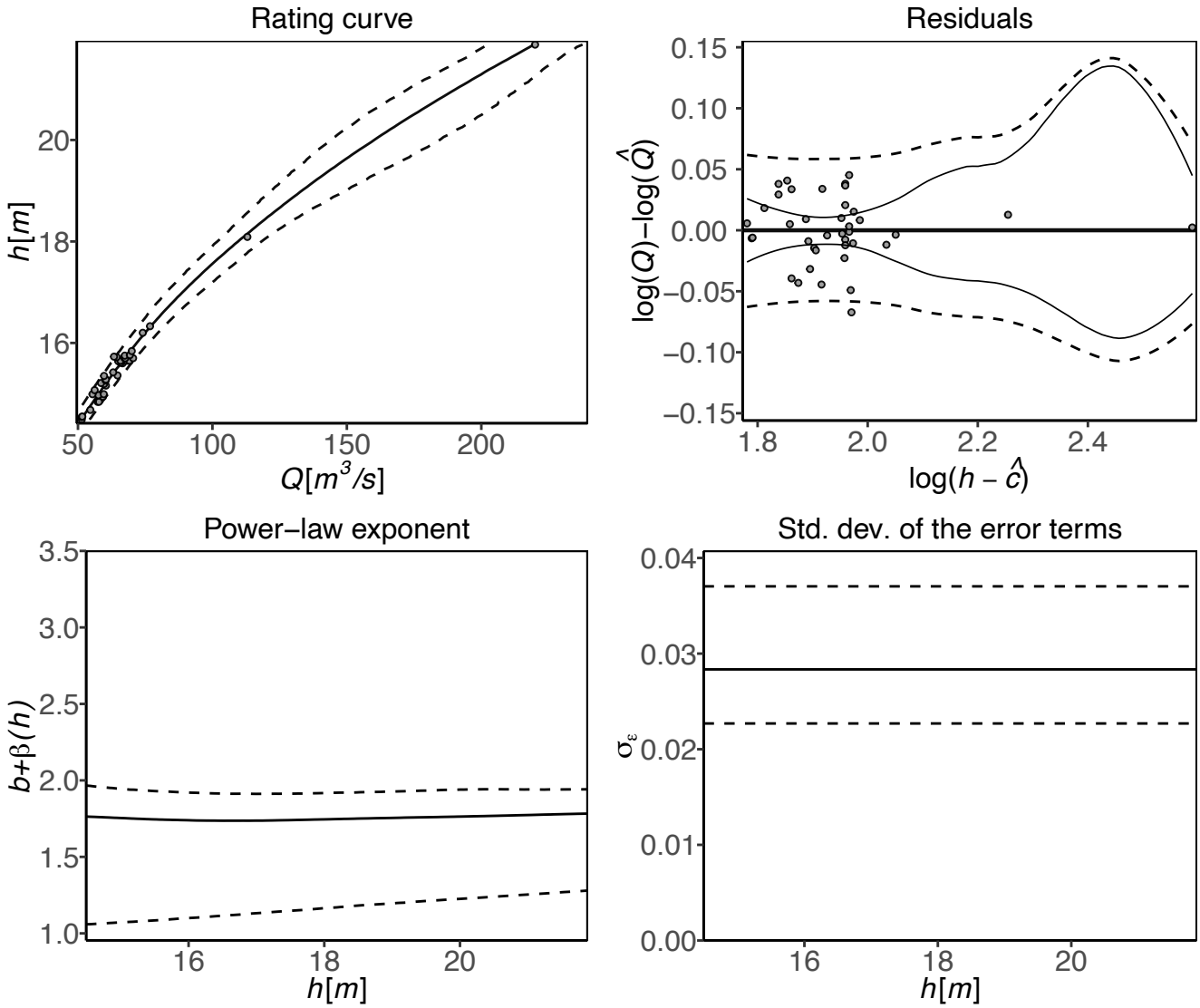


Dynjandi, Iceland – GPLM



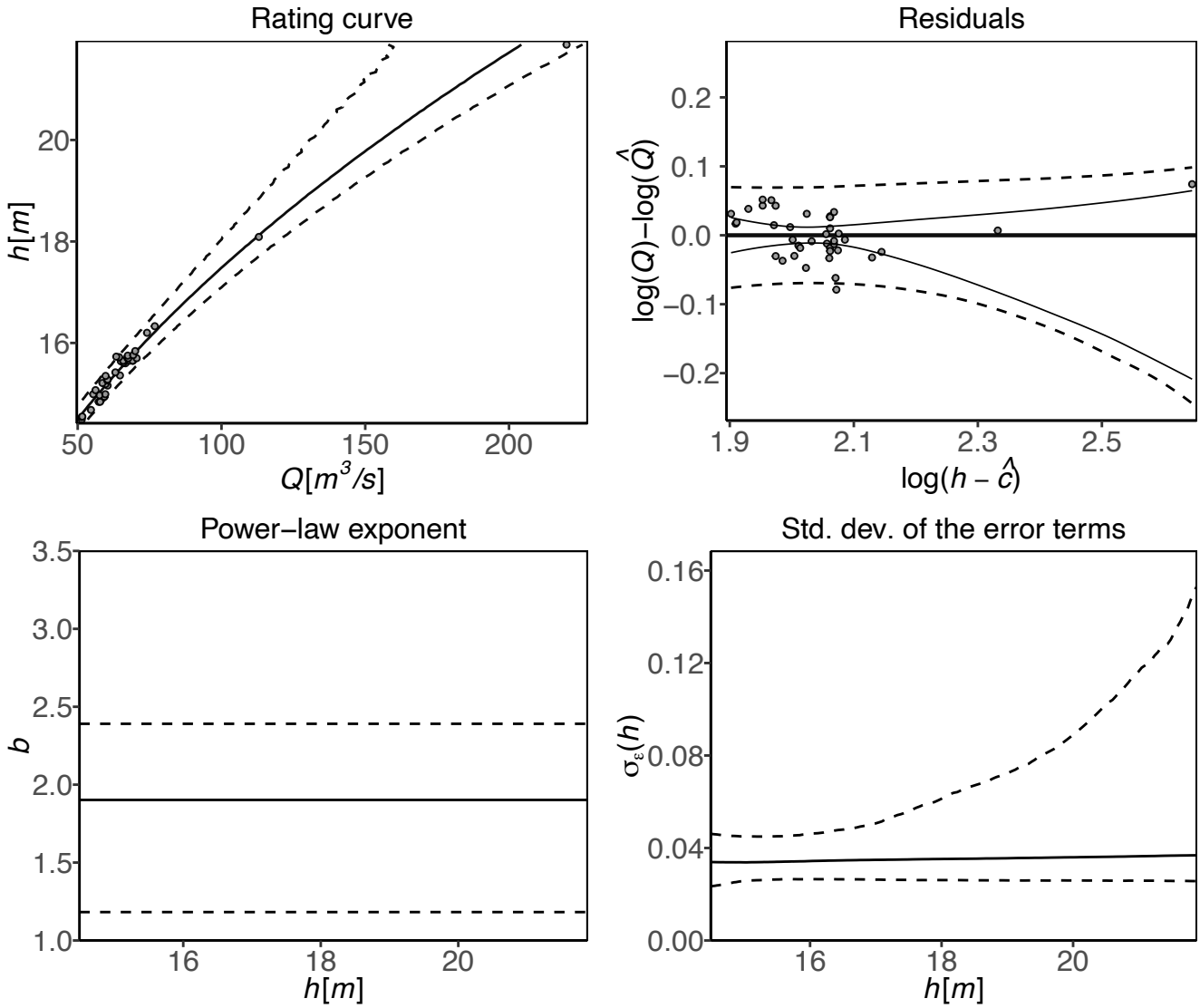
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.20	[1.24; 8.44]	2201	1.01
b	1.83	[1.83; 1.84]	8833	1.00
c	8.59	[7.00; 9.28]	964	1.03
σ_β	0.12	[0.02; 0.65]	2485	1.00
ϕ_β	7.45	[0.88; 62.36]	1163	1.03
σ_η	0.08	[0.00; 0.42]	1429	1.00
η_1	–7.11	[–7.61; –6.54]	1739	1.01
η_2	–7.06	[–8.94; –5.19]	1961	1.00
η_3	–7.07	[–9.73; –4.35]	2083	1.00
η_4	–7.06	[–10.38; –3.63]	2066	1.00
η_5	–7.07	[–10.92; –3.12]	2004	1.00
η_6	–7.10	[–11.35; –2.82]	2214	1.00

Dynjandi, Iceland – GPLM0



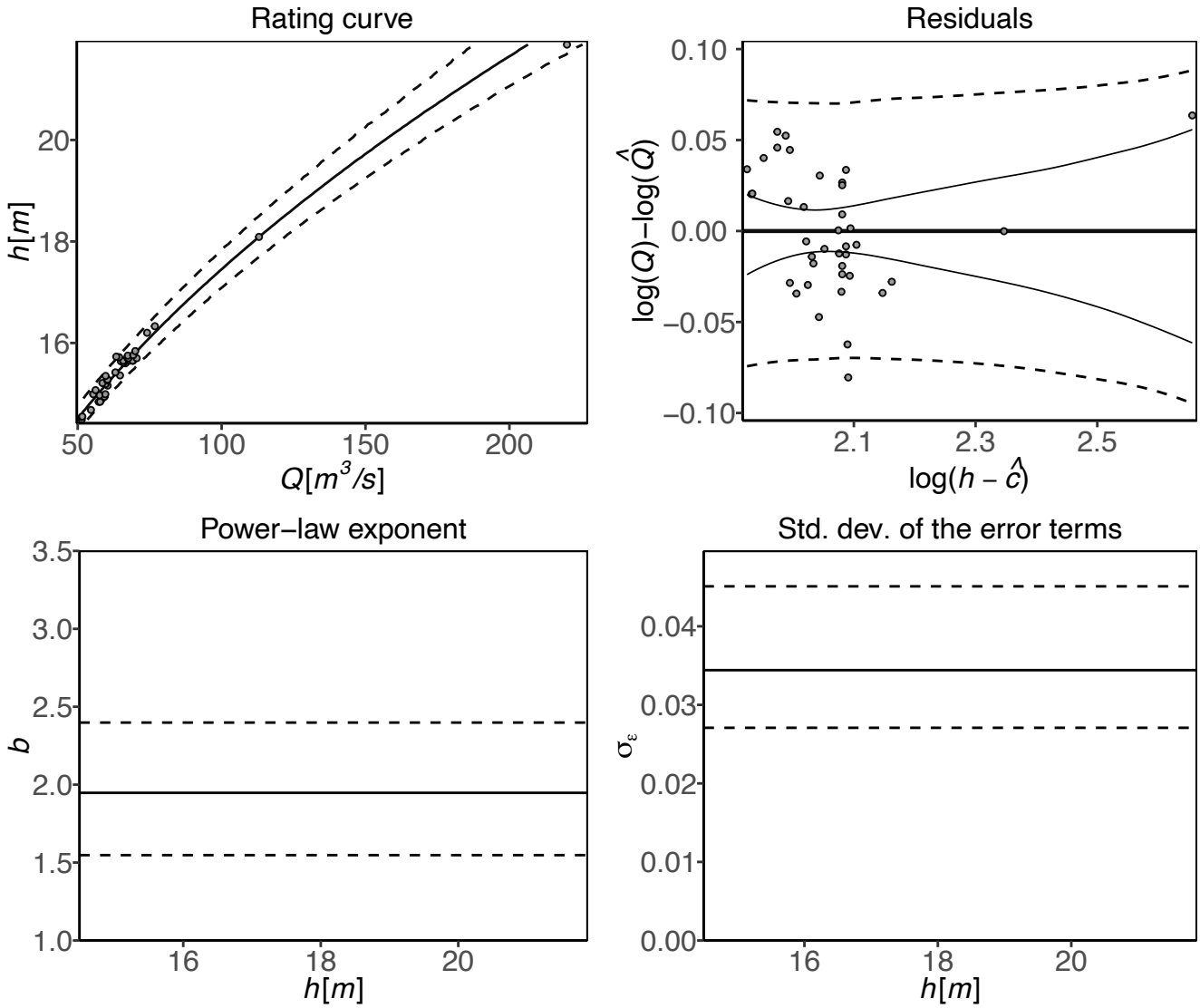
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.18	[1.24; 8.27]	4085	1.00
b	1.83	[1.83; 1.84]	9449	1.00
c	8.56	[6.93; 9.26]	1586	1.00
σ_ε	0.03	[0.02; 0.04]	3937	1.00
σ_β	0.35	[0.13; 0.81]	5594	1.00
ϕ_β	7.29	[0.93; 43.66]	3722	1.00

Dynjandi, Iceland – PLM



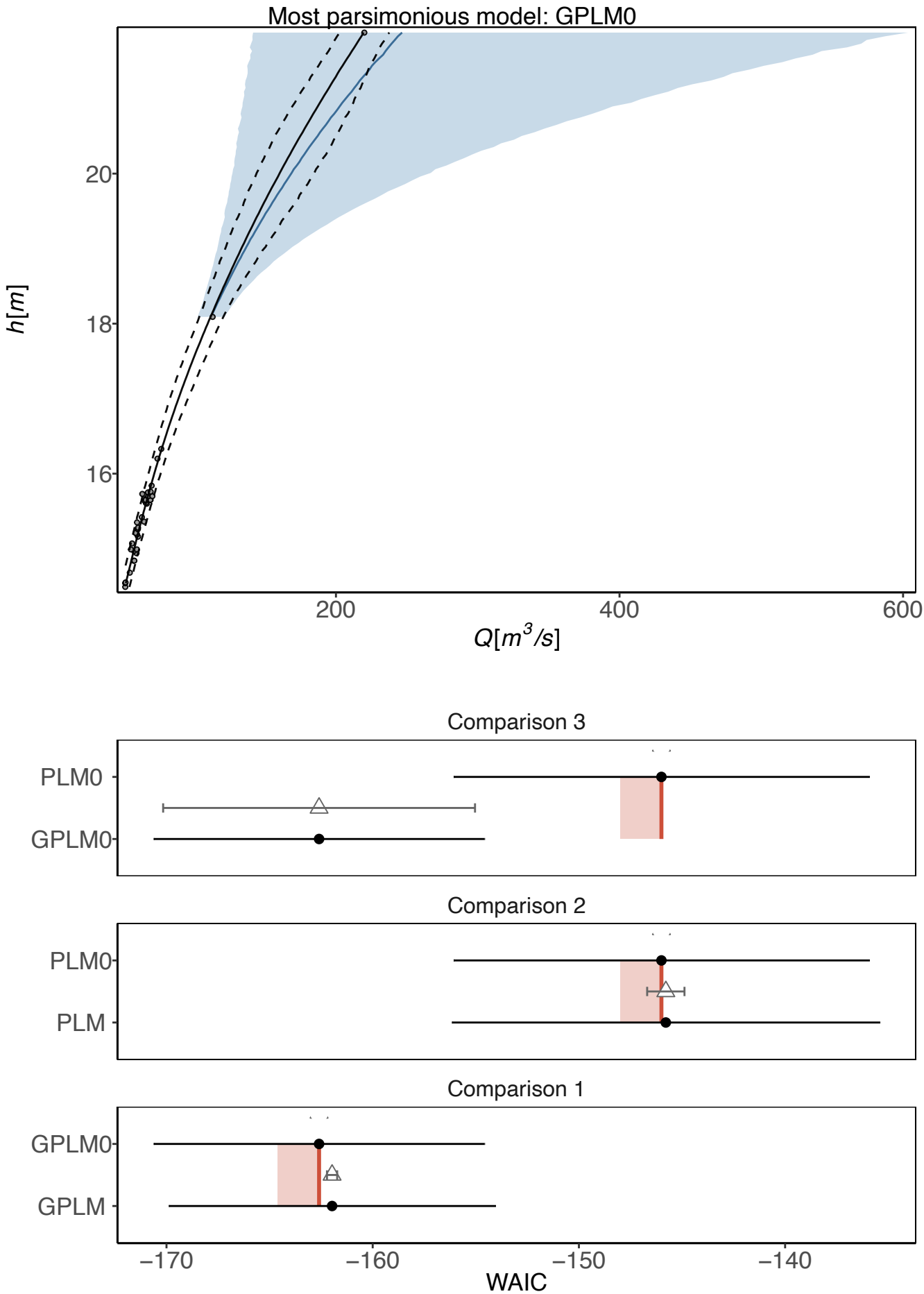
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.34	[0.26; 9.14]	1633	1.01
b	1.90	[1.18; 2.39]	1503	1.01
c	7.79	[5.50; 10.29]	1481	1.01
σ_η	0.11	[0.00; 0.75]	1408	1.01
η_1	–6.77	[–7.51; –6.15]	1572	1.00
η_2	–6.79	[–8.55; –5.00]	2520	1.00
η_3	–6.60	[–9.23; –4.04]	2410	1.00
η_4	–6.30	[–9.82; –2.84]	2315	1.00
η_5	–6.00	[–10.16; –1.93]	2479	1.00
η_6	–5.71	[–10.47; –0.98]	2462	1.00

Dynjandi, Iceland – PLM0



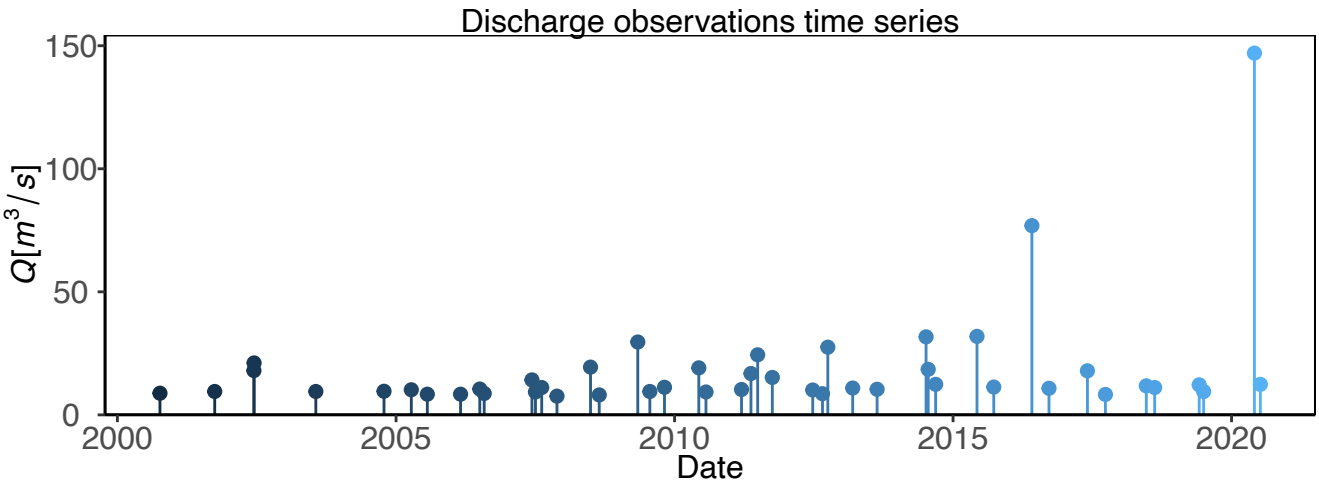
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.17	[0.26; 4.03]	9546	1.00
b	1.95	[1.55; 2.40]	9568	1.00
c	7.64	[5.45; 9.49]	9399	1.00
σ_ε	0.03	[0.03; 0.05]	9501	1.00

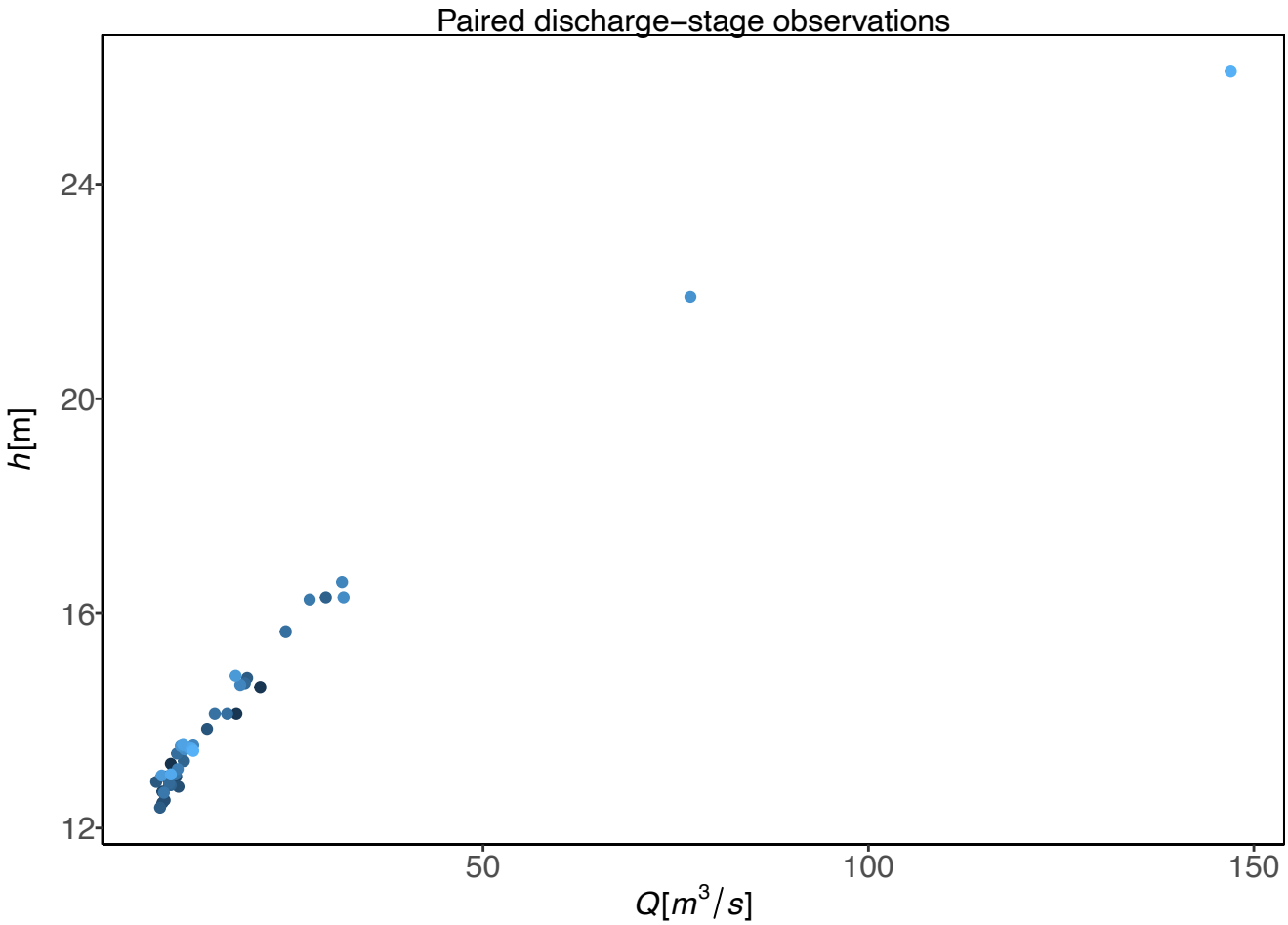
Power−law tournament results for Dynjandi, Iceland



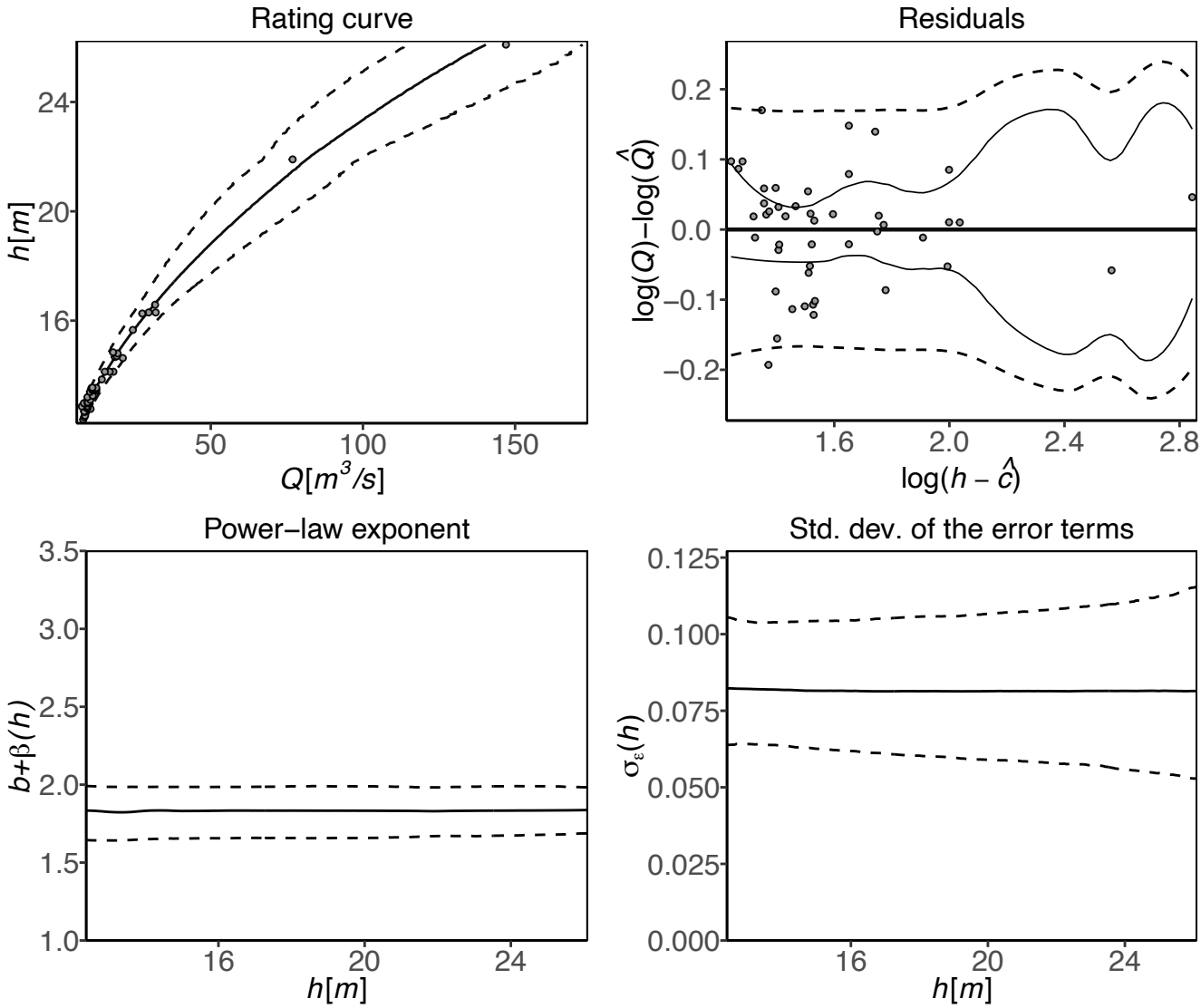
Station name:	Flögubrú II
Location:	Iceland
Station number:	V316
Number of observations:	46
Start date:	2000–10–06
End date:	2020–07–08
Max. discharge (m^3/s):	147
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.05	0.38
GPLM0	0.00	0.39
PLM	2.49	0.11
PLM0	2.24	0.13



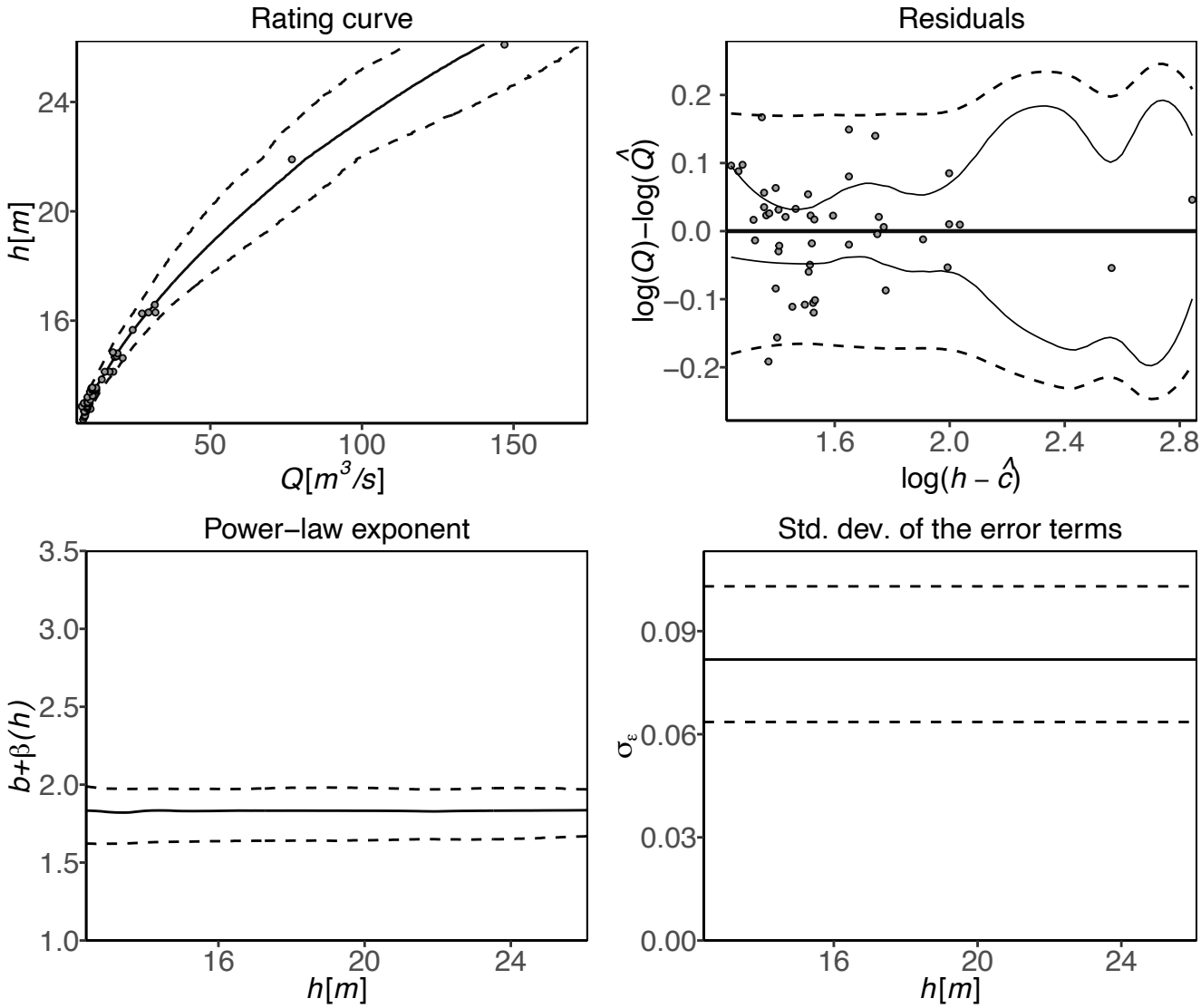


Flögubrú II, Iceland – GPLM



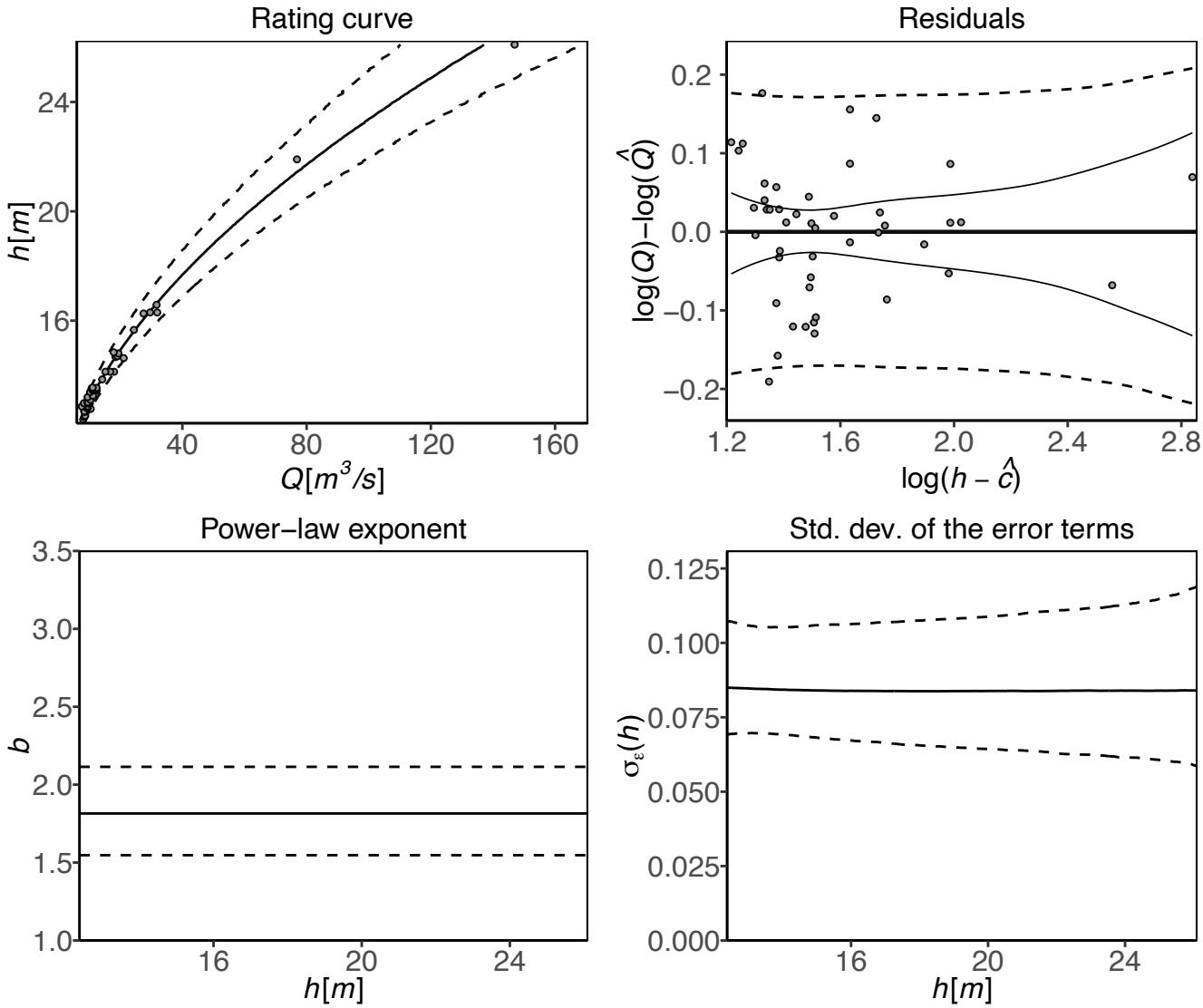
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.75	[0.48; 1.18]	1448	1.00
b	1.83	[1.83; 1.84]	7692	1.00
c	8.92	[8.22; 9.45]	1124	1.01
σ_β	0.05	[0.00; 0.36]	1776	1.00
ϕ_β	29.77	[0.40; 45546.81]	1003	1.01
σ_η	0.08	[0.00; 0.40]	1543	1.00
η_1	–5.00	[–5.50; –4.50]	1602	1.00
η_2	–5.08	[–7.01; –3.18]	2239	1.00
η_3	–5.15	[–7.81; –2.55]	2307	1.00
η_4	–5.16	[–8.48; –1.96]	2104	1.00
η_5	–5.15	[–9.01; –1.50]	2107	1.00
η_6	–5.17	[–9.56; –1.00]	2232	1.00

Flögubrú II, Iceland – GPLM0



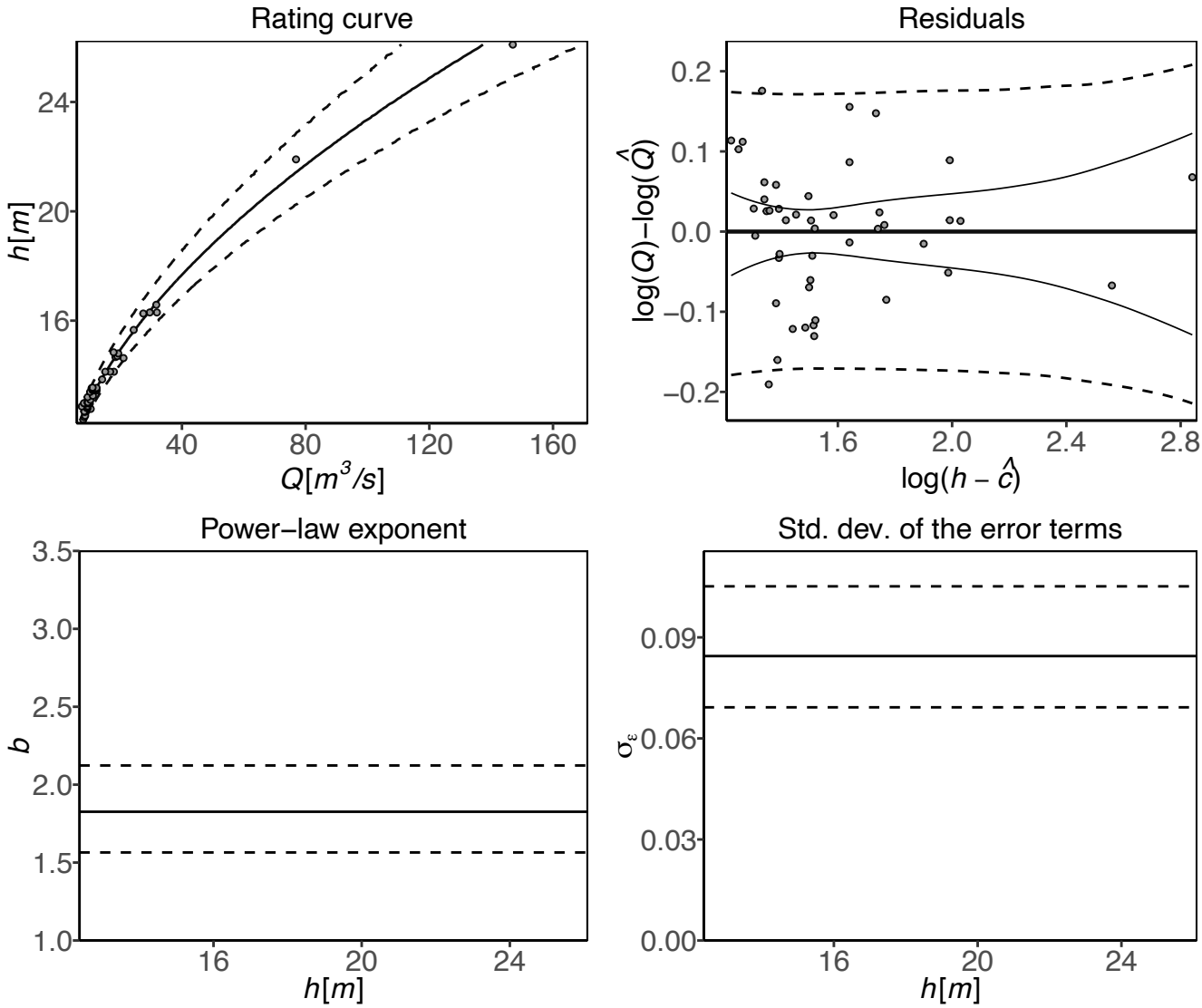
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.75	[0.50; 1.25]	2245	1.00
b	1.83	[1.83; 1.84]	10320	1.00
c	8.93	[8.23; 9.49]	1382	1.01
σ_ε	0.08	[0.06; 0.10]	2822	1.00
σ_β	0.23	[0.05; 0.61]	3003	1.00
ϕ_β	25.74	[0.40; 23200.03]	1647	1.00

Flögubrú II, Iceland – PLM



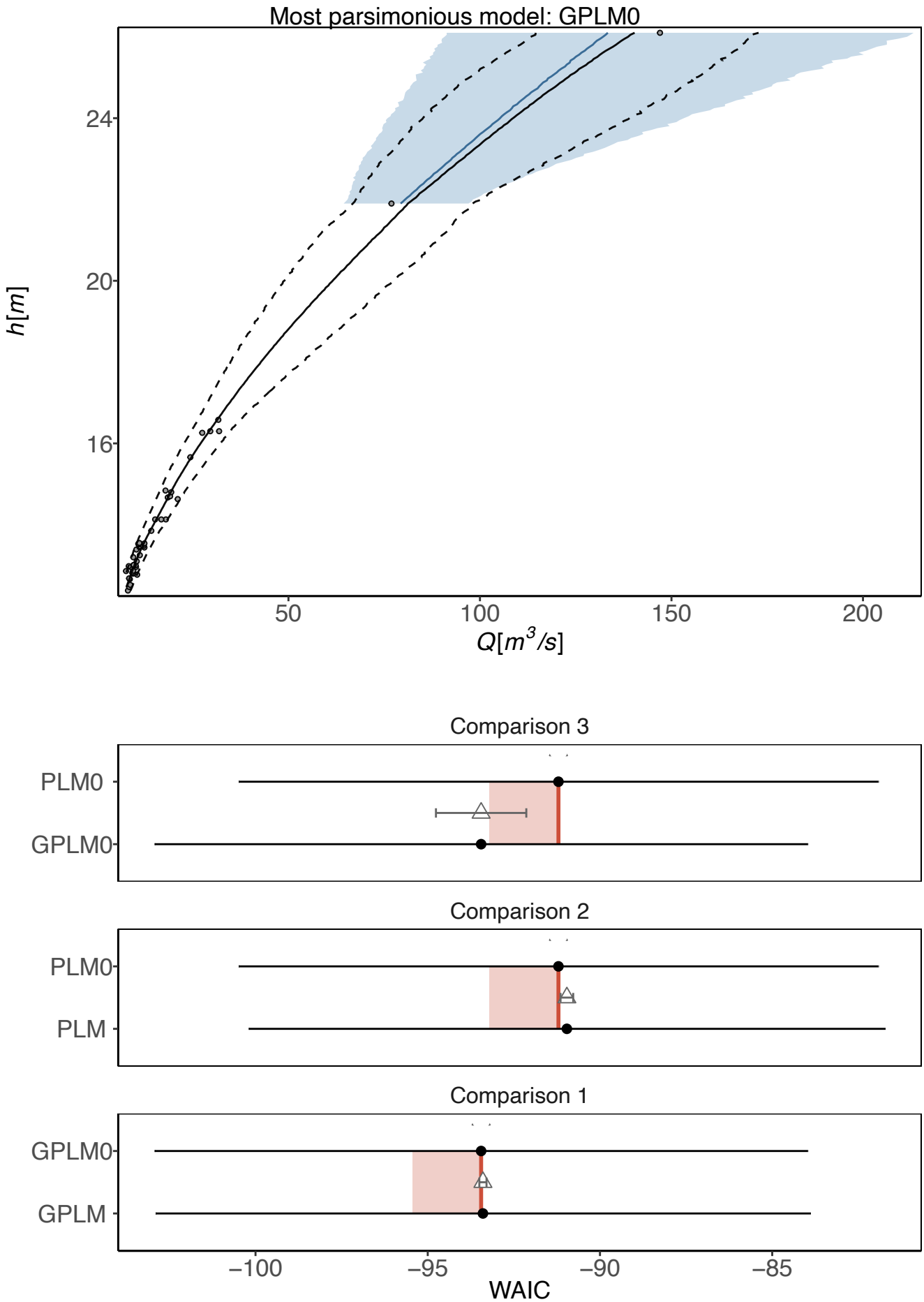
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.80	[0.33; 1.64]	2884	1.00
b	1.82	[1.55; 2.11]	2993	1.00
c	9.01	[8.00; 9.84]	2763	1.00
σ_η	0.08	[0.00; 0.40]	1752	1.00
η_1	–4.93	[–5.34; –4.46]	2715	1.00
η_2	–5.00	[–6.87; –3.07]	2658	1.00
η_3	–5.12	[–7.71; –2.34]	2973	1.00
η_4	–5.10	[–8.30; –1.75]	2860	1.00
η_5	–5.09	[–8.84; –1.12]	2860	1.00
η_6	–5.11	[–9.33; –0.68]	2942	1.00

Flögubrú II, Iceland – PLM0



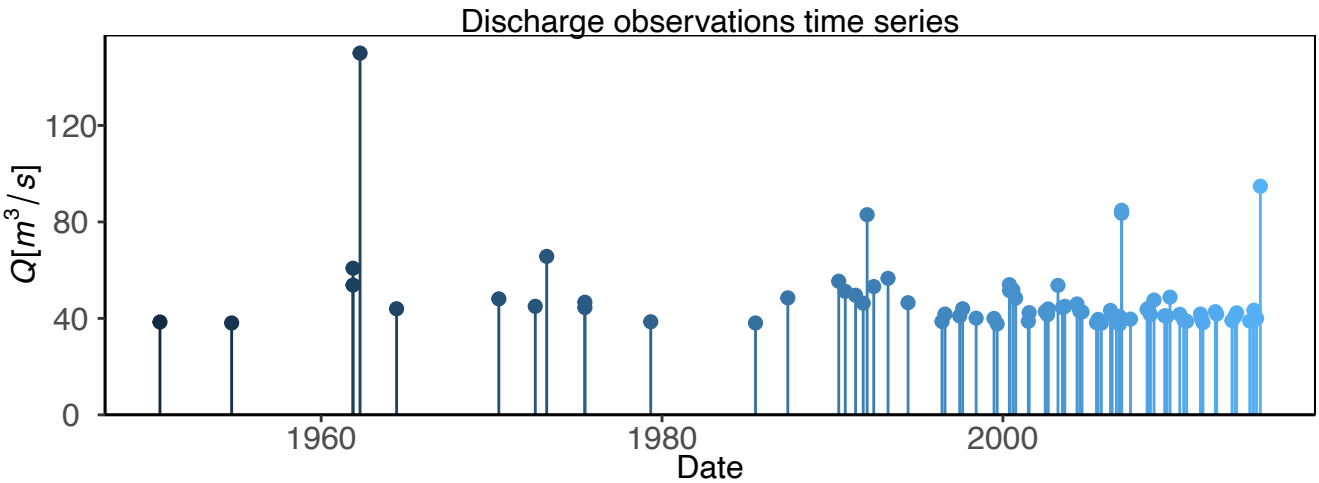
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.77	[0.32; 1.58]	9456	1.00
b	1.83	[1.56; 2.12]	9565	1.00
c	8.97	[7.97; 9.81]	9293	1.00
σ_ε	0.08	[0.07; 0.11]	9820	1.00

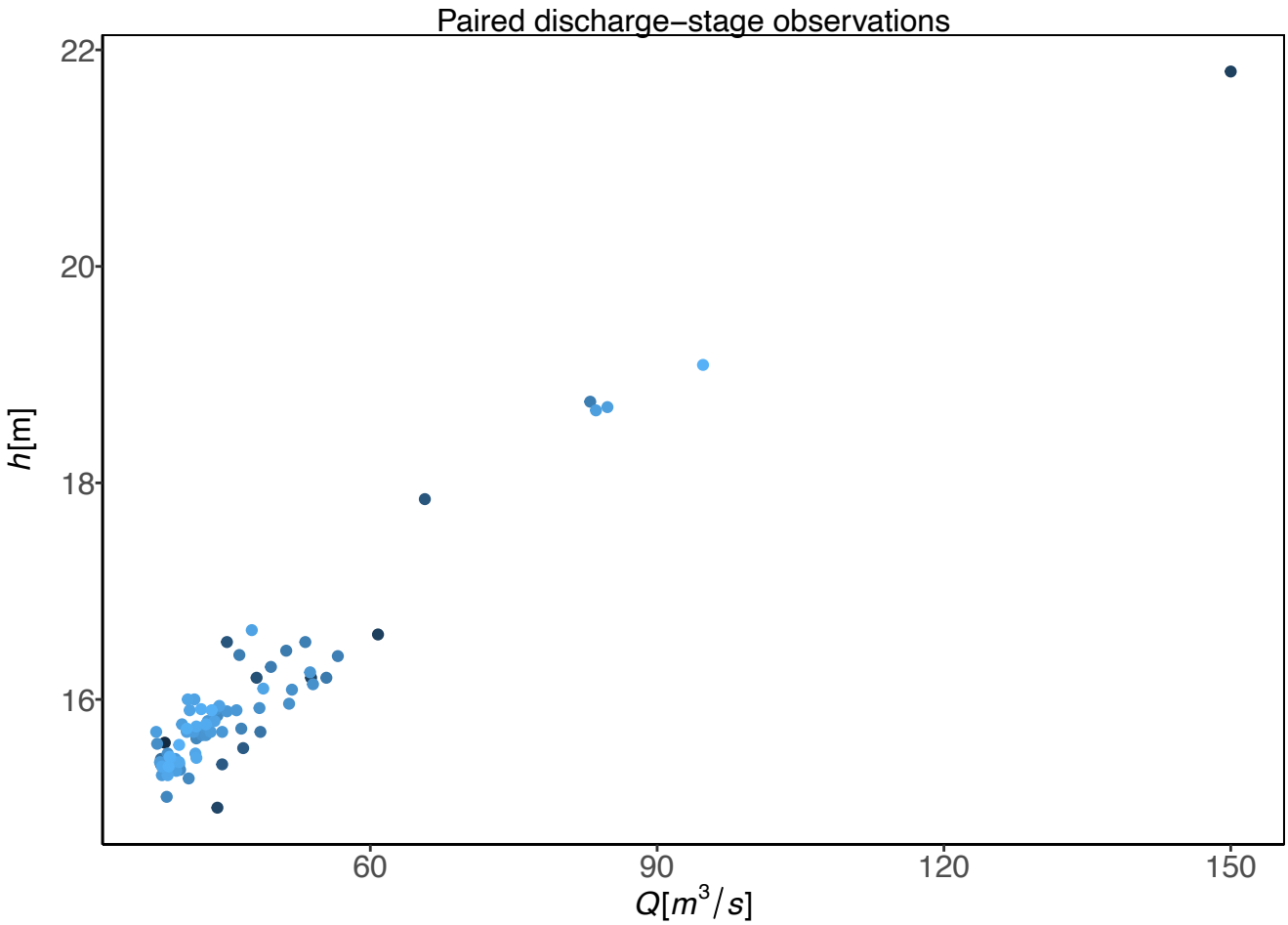
Power–law tournament results for Flögubrú II, Iceland



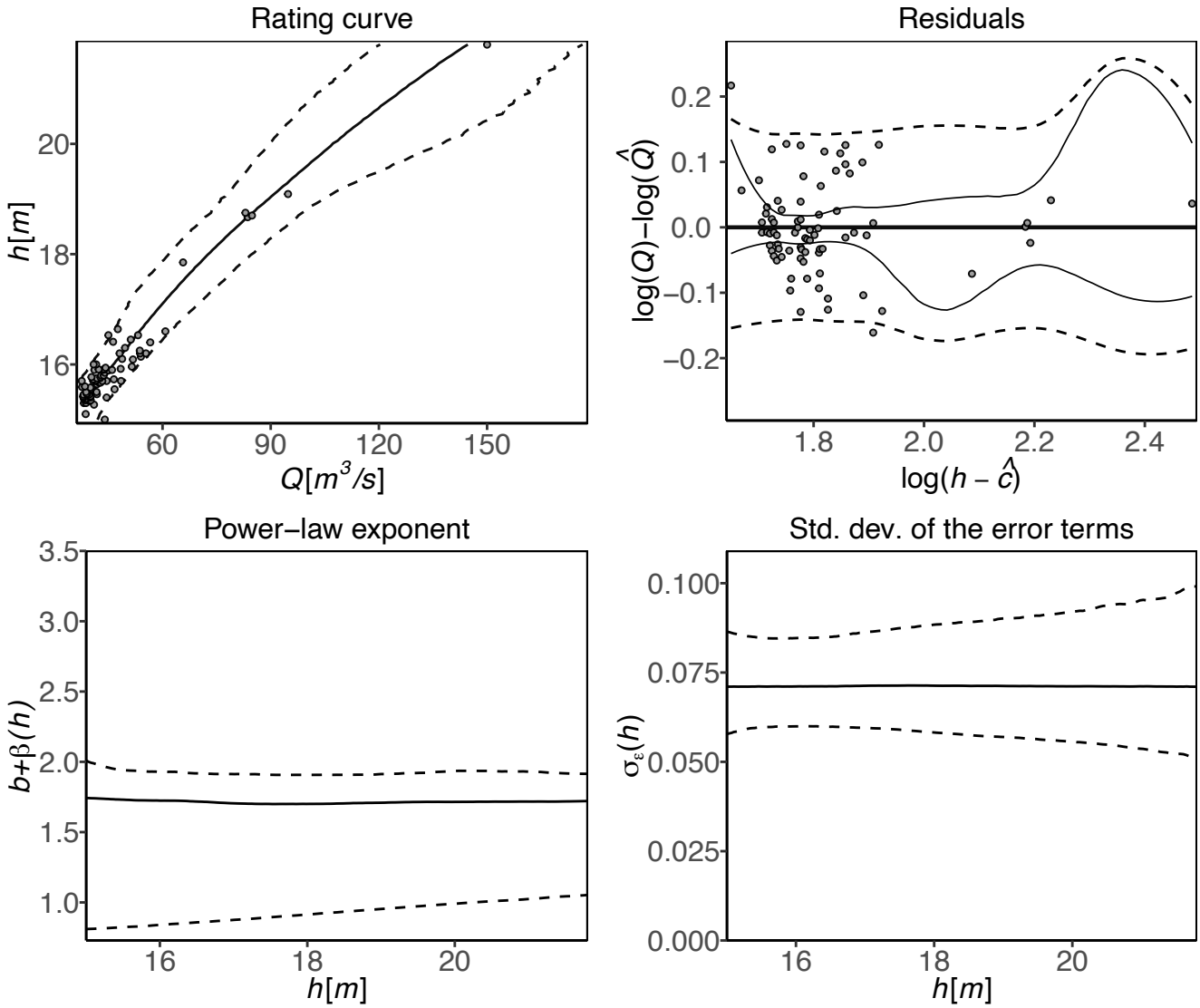
Station name:	Árbæjarfoss
Location:	Iceland
Station number:	V321
Number of observations:	78
Start date:	1950–07–18
End date:	2015–02–09
Max. discharge (m^3/s):	150
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.51	0.38
GPLM0	0.00	0.49
PLM	4.14	0.06
PLM0	3.90	0.07



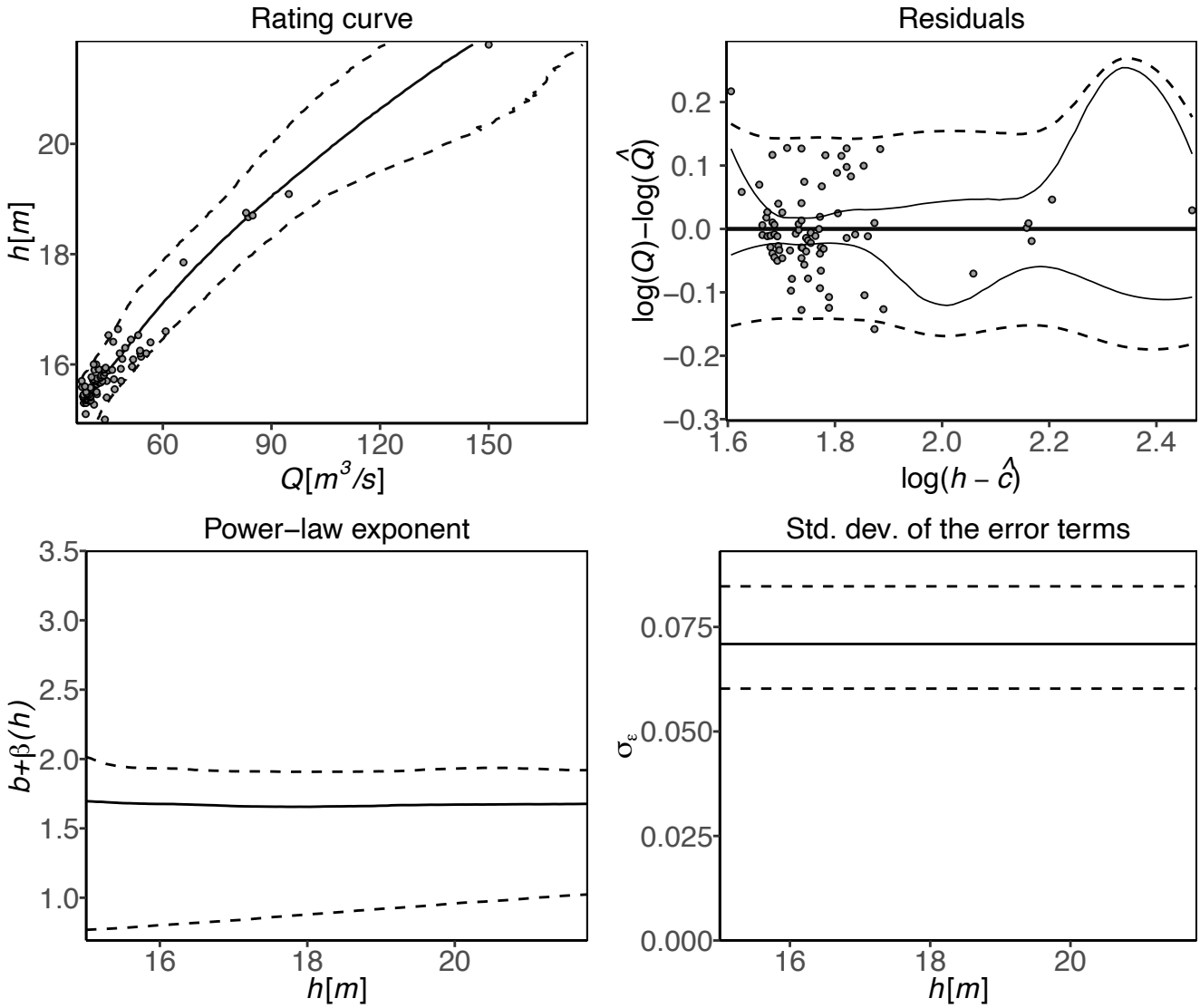


Árbæjarfoss, Iceland – GPLM



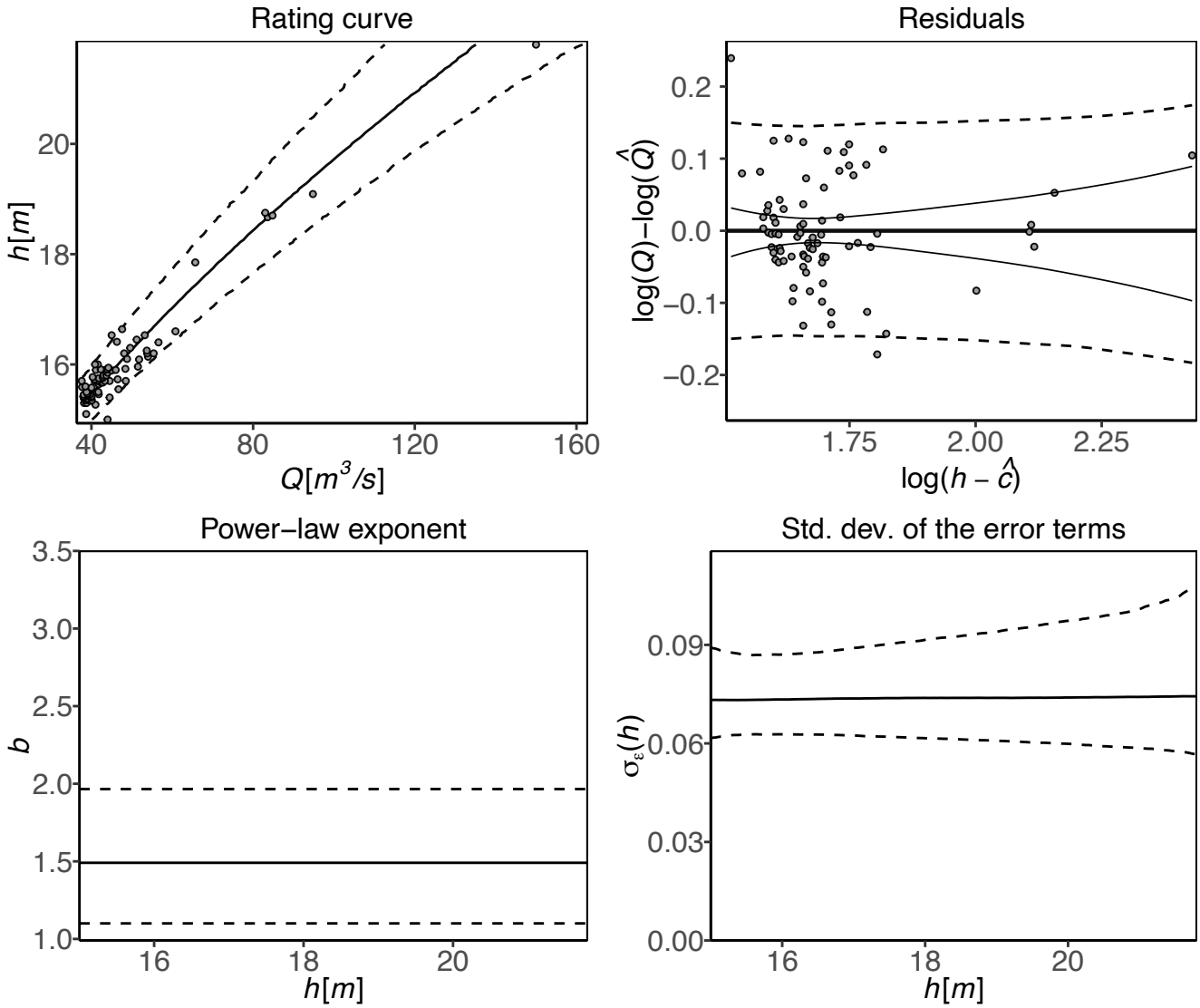
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.03	[1.01; 13.05]	1699	1.01
b	1.83	[1.83; 1.84]	5695	1.00
c	9.79	[8.31; 11.77]	1178	1.01
σ_β	0.16	[0.00; 0.80]	946	1.01
ϕ_β	22.71	[0.69; 51422.40]	783	1.04
σ_η	0.07	[0.00; 0.39]	1230	1.00
η_1	–5.29	[–5.70; –4.90]	1373	1.00
η_2	–5.29	[–7.10; –3.50]	1660	1.01
η_3	–5.25	[–7.88; –2.65]	1659	1.00
η_4	–5.33	[–8.51; –2.05]	1654	1.01
η_5	–5.32	[–9.09; –1.61]	1697	1.00
η_6	–5.32	[–9.49; –1.20]	1709	1.00

Árbæjarfoss, Iceland – GPLM0



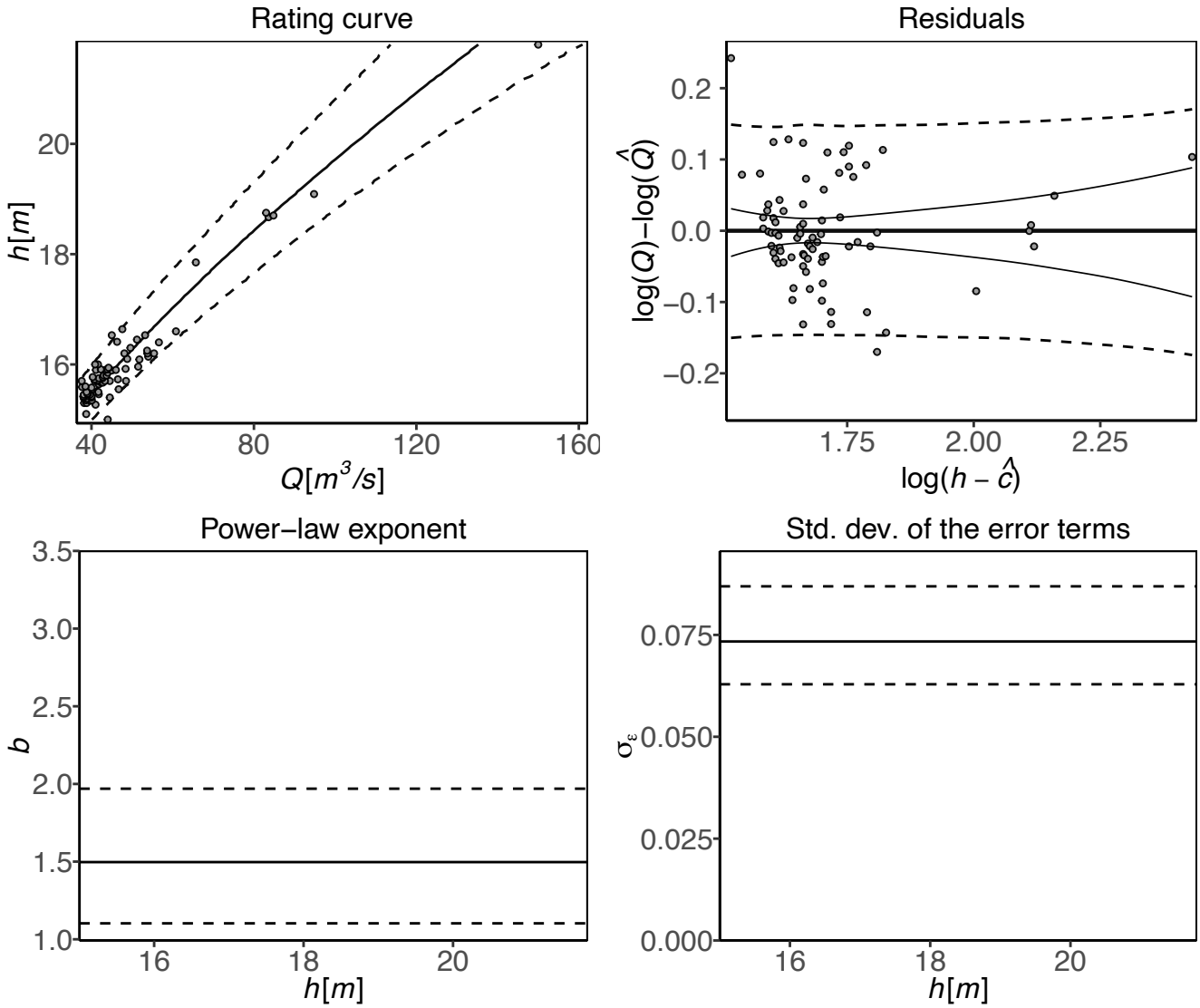
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.36	[1.01; 13.99]	2686	1.00
b	1.83	[1.83; 1.84]	7087	1.00
c	10.02	[8.34; 11.82]	1588	1.00
σ_ε	0.07	[0.06; 0.08]	2967	1.00
σ_β	0.44	[0.09; 0.90]	1602	1.01
ϕ_β	18.33	[0.68; 8201.54]	969	1.03

Árbæjarfoss, Iceland – PLM



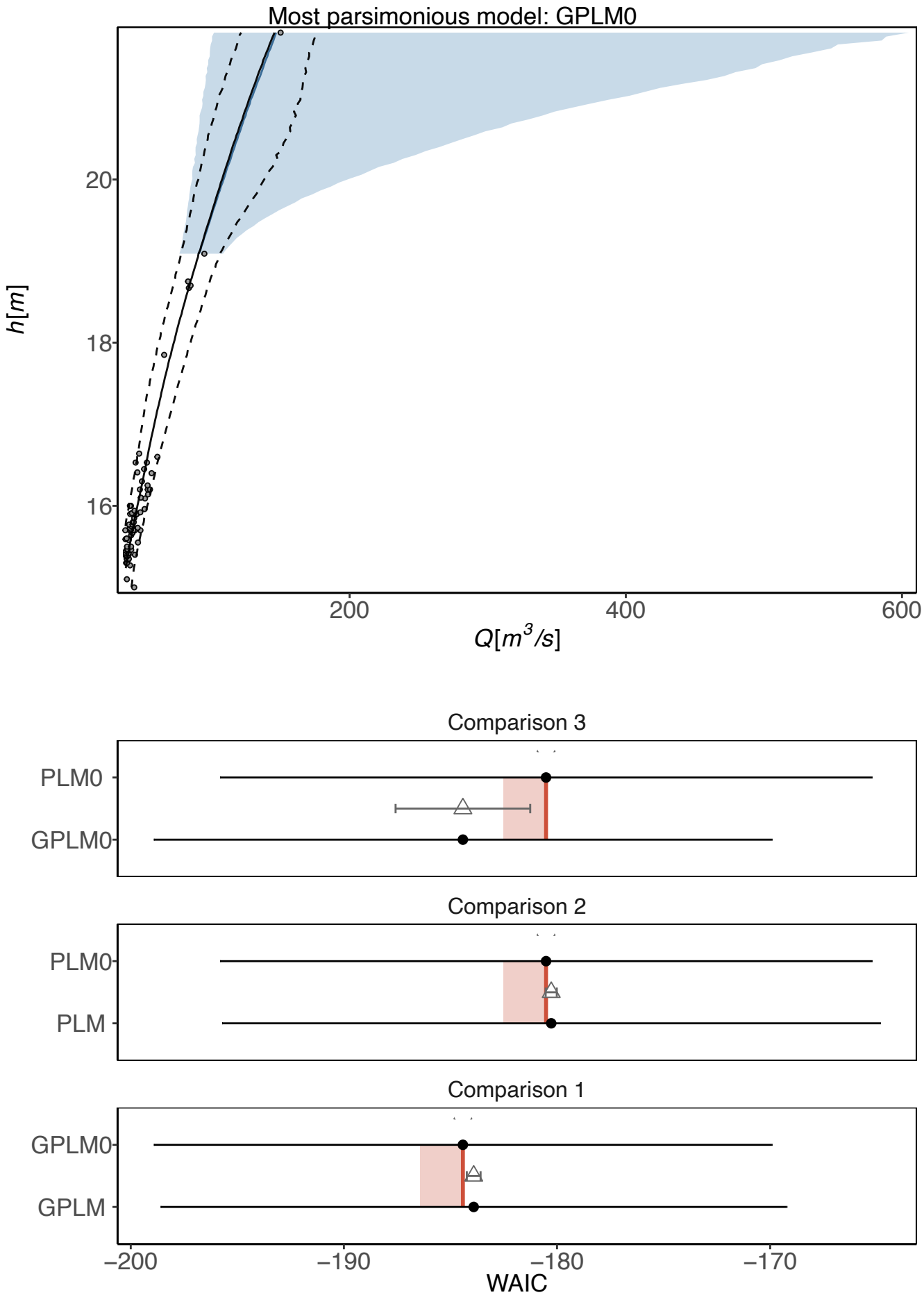
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.62	[0.87; 10.32]	3017	1.00
b	1.49	[1.10; 1.97]	3058	1.00
c	10.45	[8.37; 12.07]	2879	1.00
σ_η	0.08	[0.00; 0.38]	1721	1.00
η_1	–5.23	[–5.57; –4.83]	2318	1.00
η_2	–5.22	[–7.04; –3.40]	2580	1.00
η_3	–5.12	[–7.77; –2.50]	2660	1.00
η_4	–5.08	[–8.33; –1.97]	2951	1.00
η_5	–5.02	[–8.79; –1.35]	2741	1.00
η_6	–4.99	[–9.27; –0.76]	2705	1.00

Árbæjarfoss, Iceland – PLM0



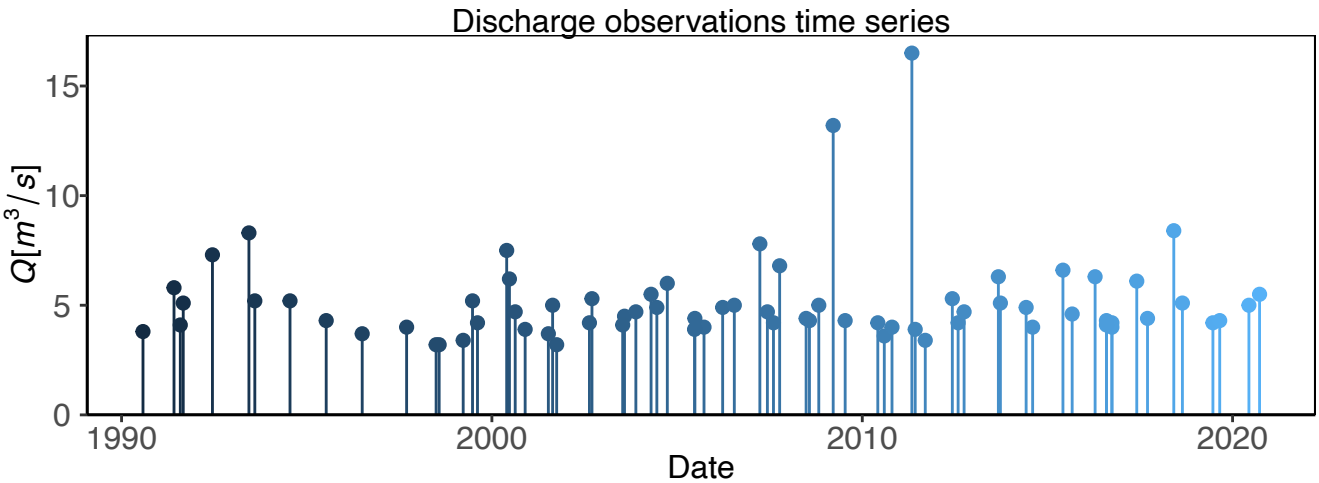
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.55	[0.87; 10.24]	10405	1.00
b	1.50	[1.10; 1.97]	10467	1.00
c	10.43	[8.37; 12.07]	9978	1.00
σ_ε	0.07	[0.06; 0.09]	9018	1.00

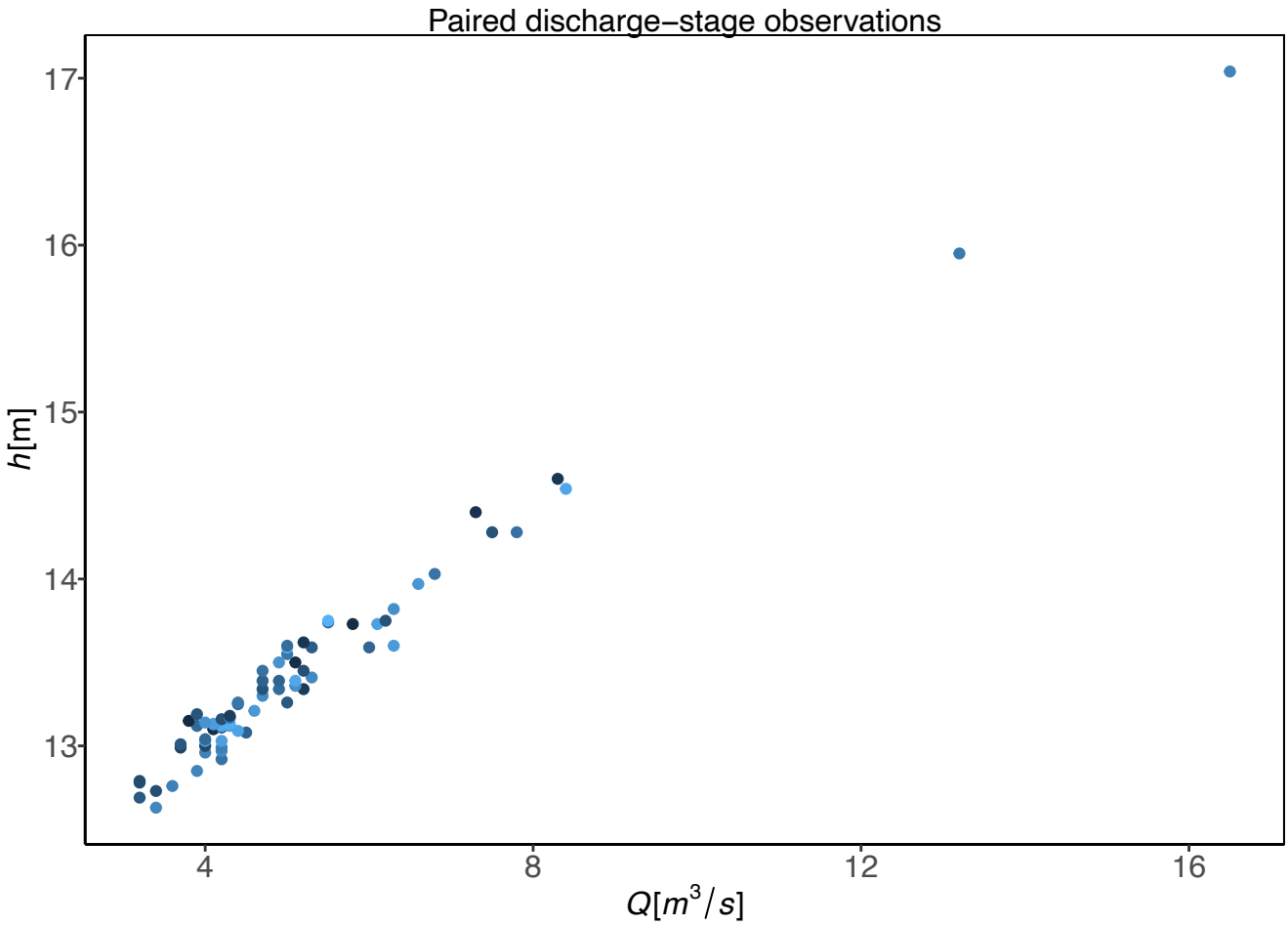
Power−law tournament results for Árbæjarfoss, Iceland



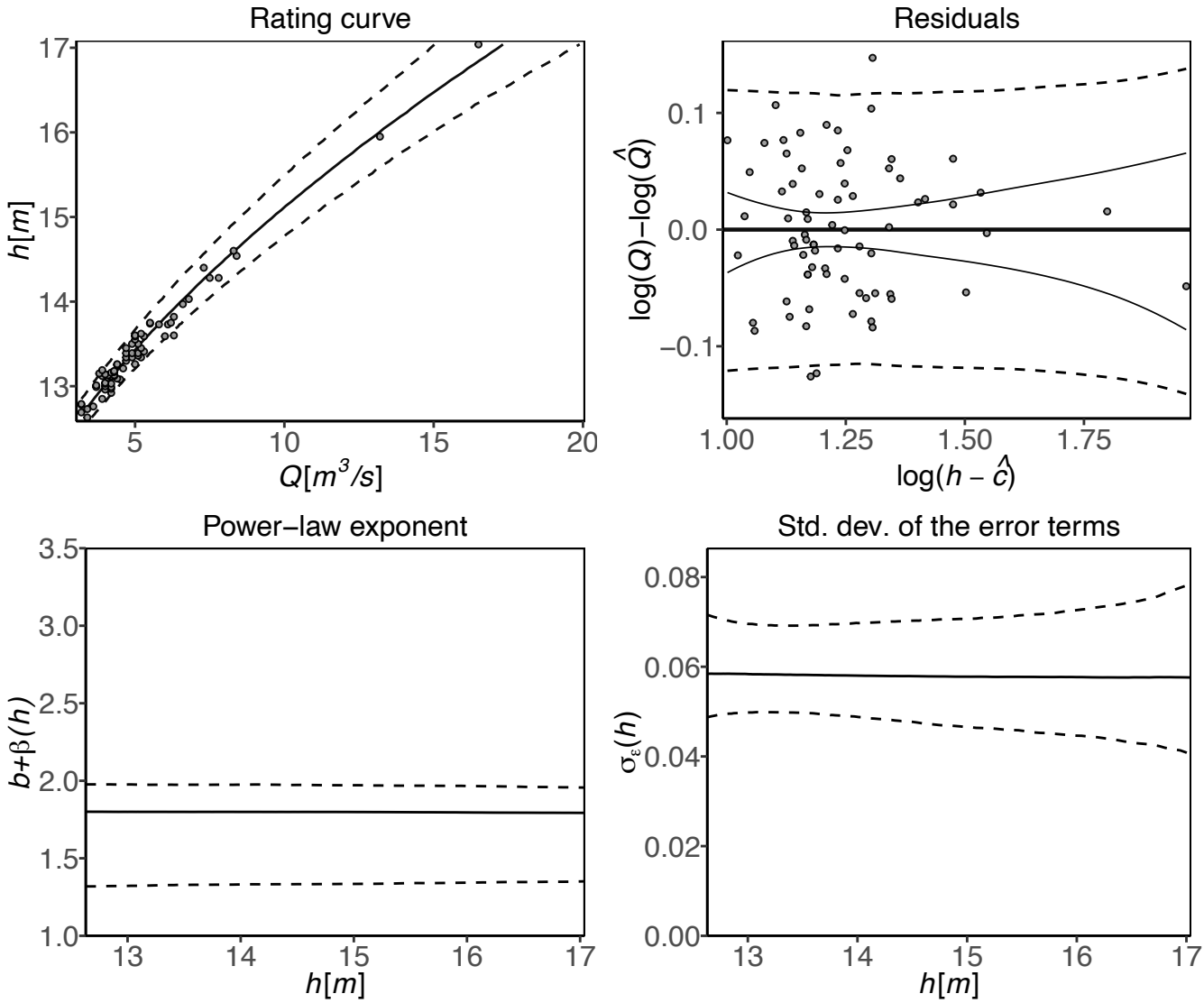
Station name:	Reyðarvatnsós
Location:	Iceland
Station number:	V322
Number of observations:	73
Start date:	1990–07–31
End date:	2020–09–23
Max. discharge (m^3/s):	16.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.05	0.27
GPLM0	0.00	0.28
PLM	0.48	0.22
PLM0	0.44	0.22



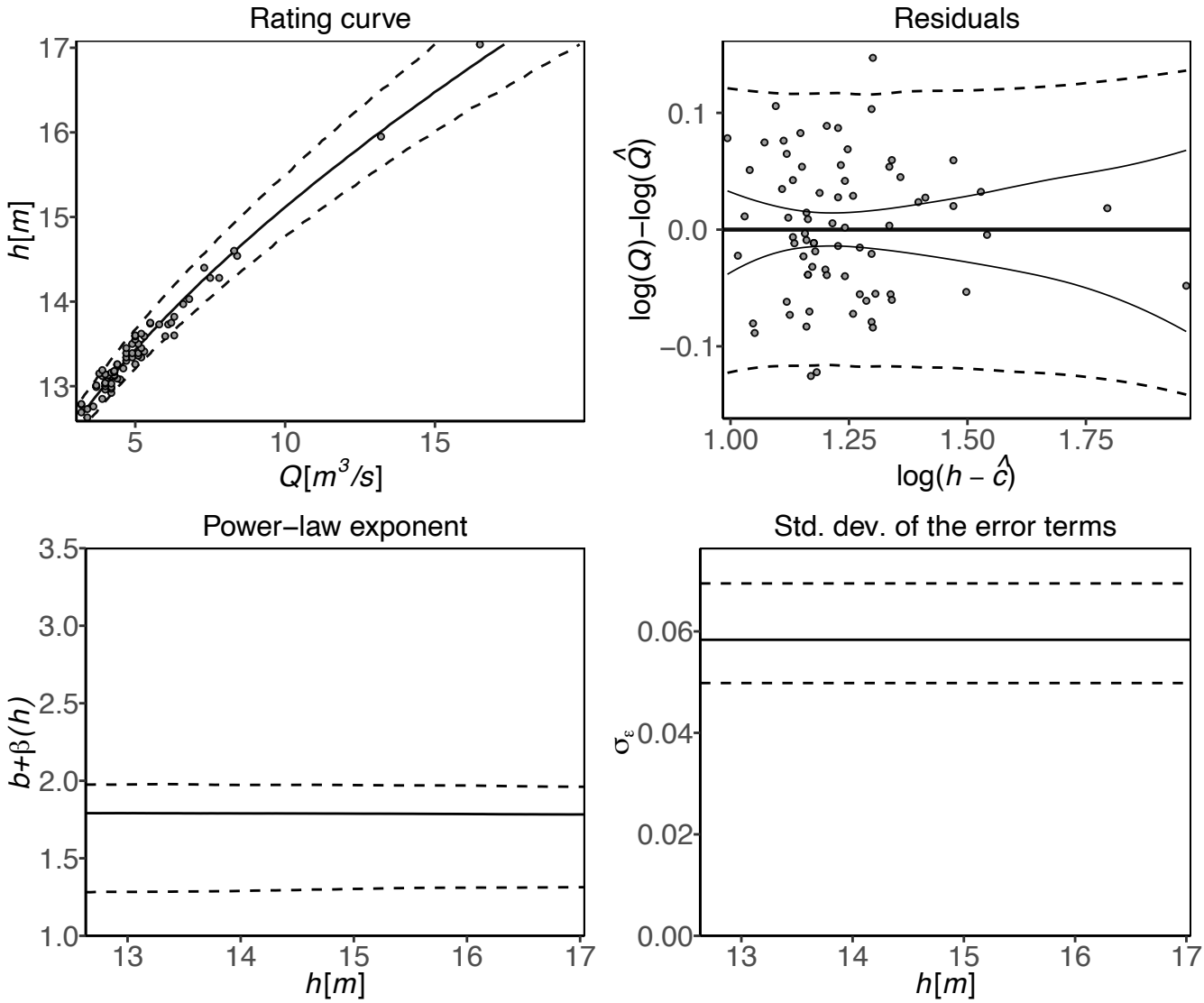


Reyðarvatnsós, Iceland – GPLM



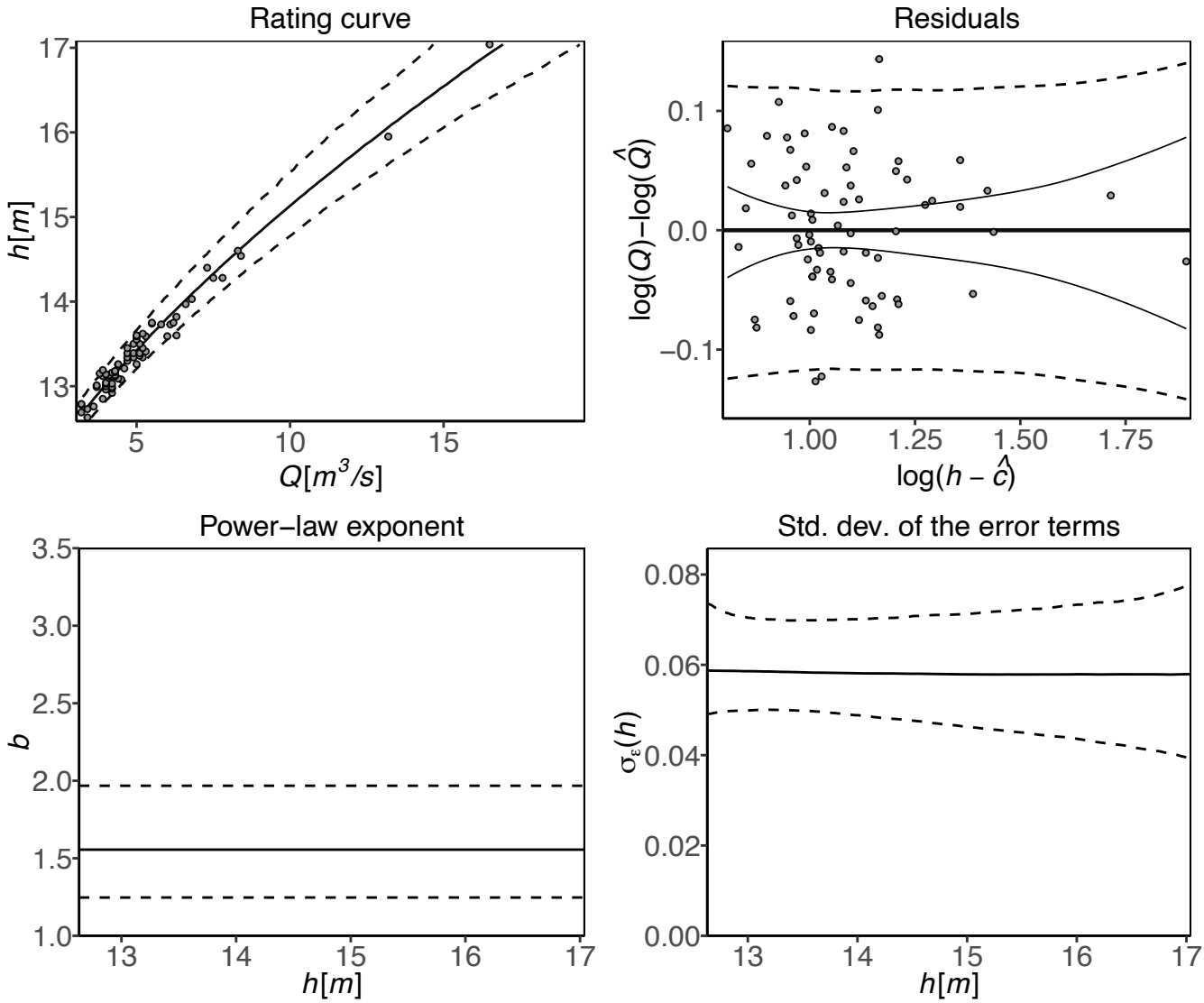
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.52	[0.33; 1.41]	1044	1.02
b	1.83	[1.83; 1.84]	8616	1.00
c	9.91	[9.46; 10.81]	976	1.02
σ_β	0.11	[0.00; 0.58]	1472	1.00
ϕ_β	39.98	[1.86; 24770.89]	1137	1.01
σ_η	0.08	[0.00; 0.39]	1440	1.00
η_1	–5.68	[–6.04; –5.27]	1922	1.00
η_2	–5.71	[–7.52; –3.91]	2103	1.00
η_3	–5.82	[–8.45; –3.15]	2240	1.00
η_4	–5.90	[–9.16; –2.73]	2066	1.00
η_5	–5.94	[–9.60; –2.25]	2129	1.00
η_6	–5.90	[–10.09; –1.72]	2169	1.00

Reyðarvatnsós, Iceland – GPLM0



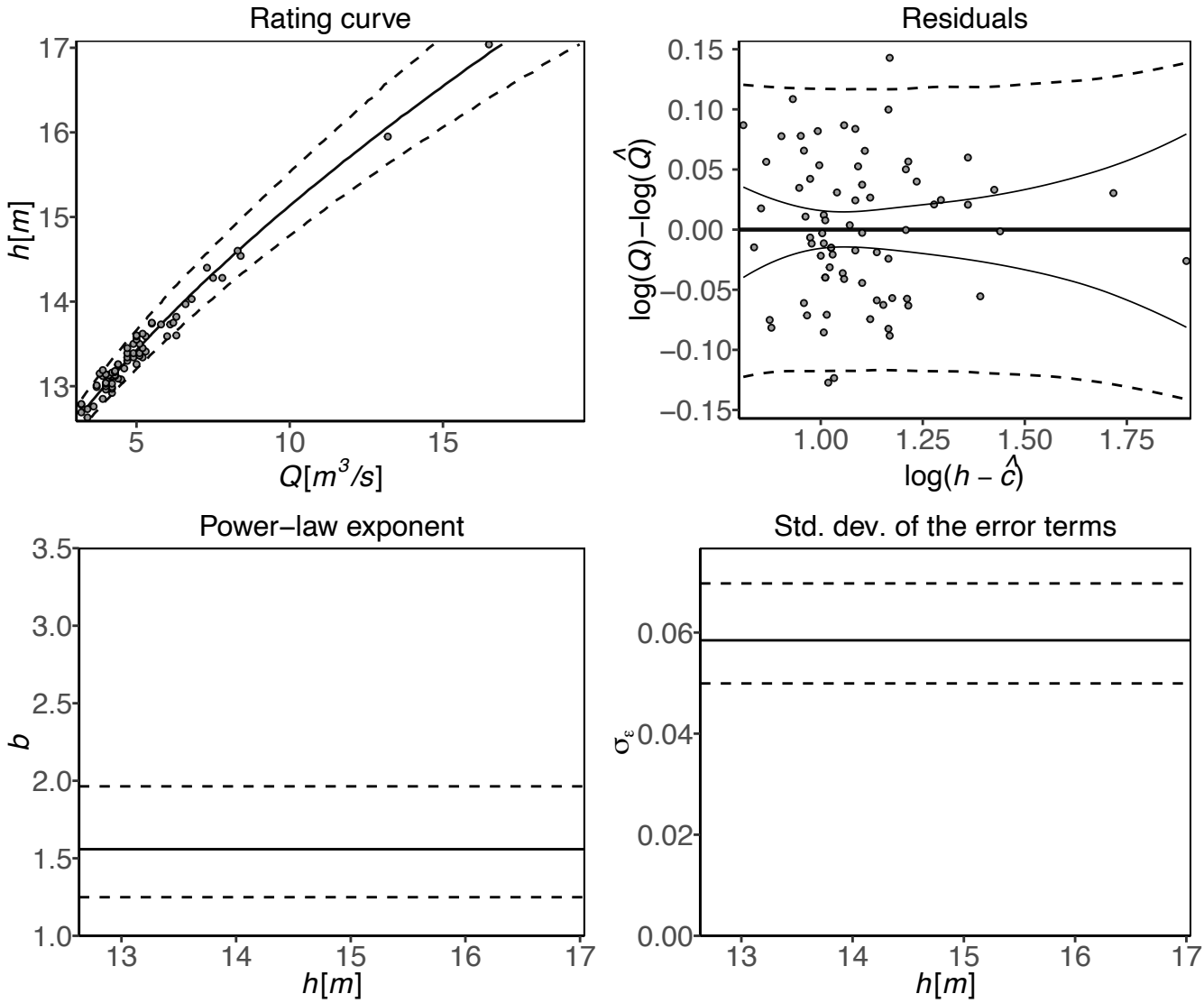
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.53	[0.33; 1.52]	1458	1.00
b	1.83	[1.83; 1.84]	11196	1.00
c	9.93	[9.44; 10.91]	1290	1.00
σ_ε	0.06	[0.05; 0.07]	4719	1.00
σ_β	0.35	[0.06; 0.78]	2551	1.00
ϕ_β	45.66	[1.92; 27066.54]	1741	1.00

Reyðarvatnsós, Iceland – PLM



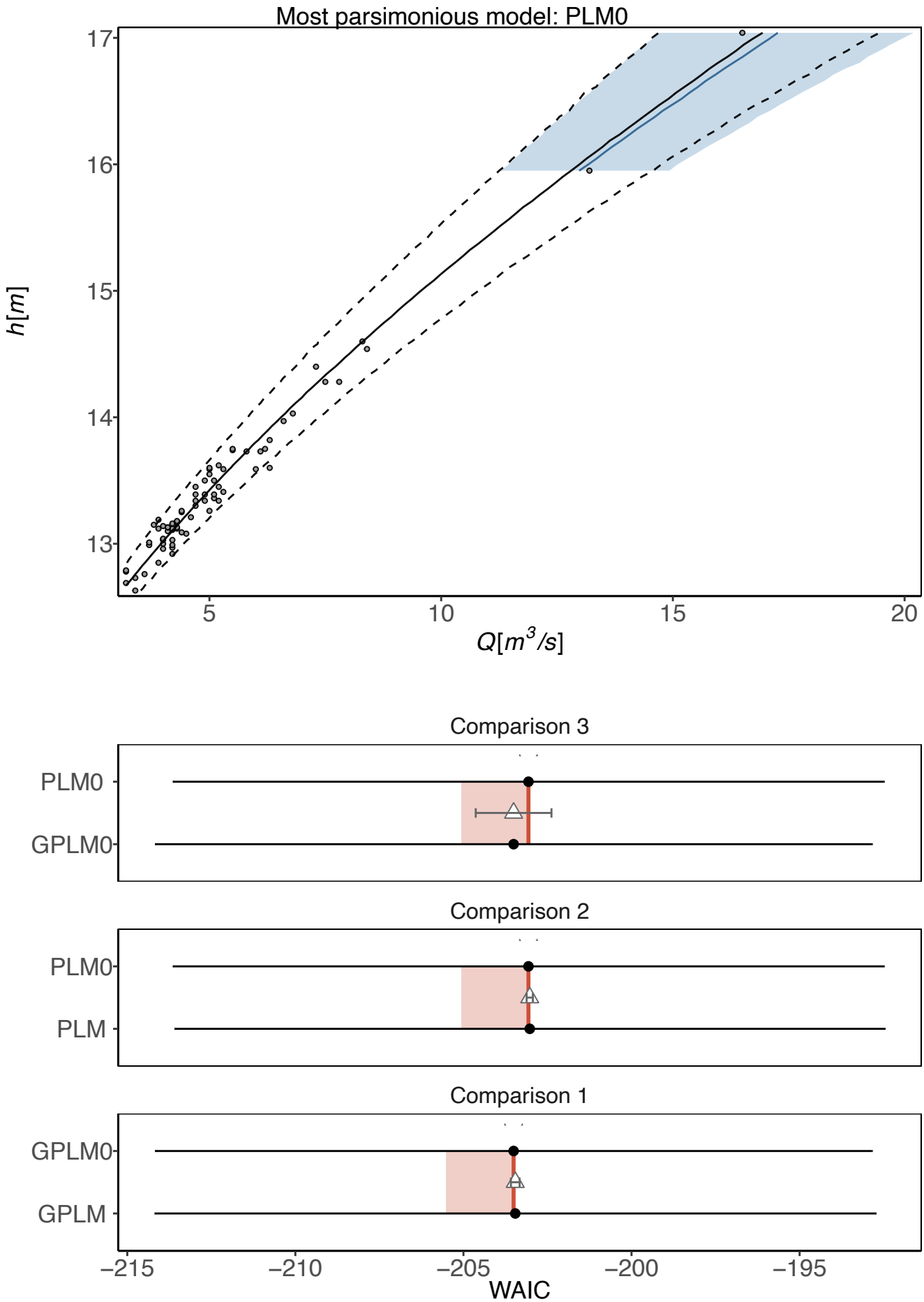
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.89	[0.33; 1.70]	2870	1.00
b	1.56	[1.25; 1.97]	2925	1.00
c	10.39	[9.48; 11.04]	2804	1.00
σ_η	0.08	[0.00; 0.40]	1832	1.00
η_1	–5.67	[–6.03; –5.22]	2281	1.00
η_2	–5.73	[–7.52; –3.91]	2740	1.00
η_3	–5.81	[–8.34; –3.16]	2664	1.00
η_4	–5.89	[–9.11; –2.60]	2749	1.00
η_5	–5.90	[–9.67; –2.13]	2658	1.00
η_6	–5.92	[–10.14; –1.66]	2546	1.00

Reyðarvatnsós, Iceland – PLM0



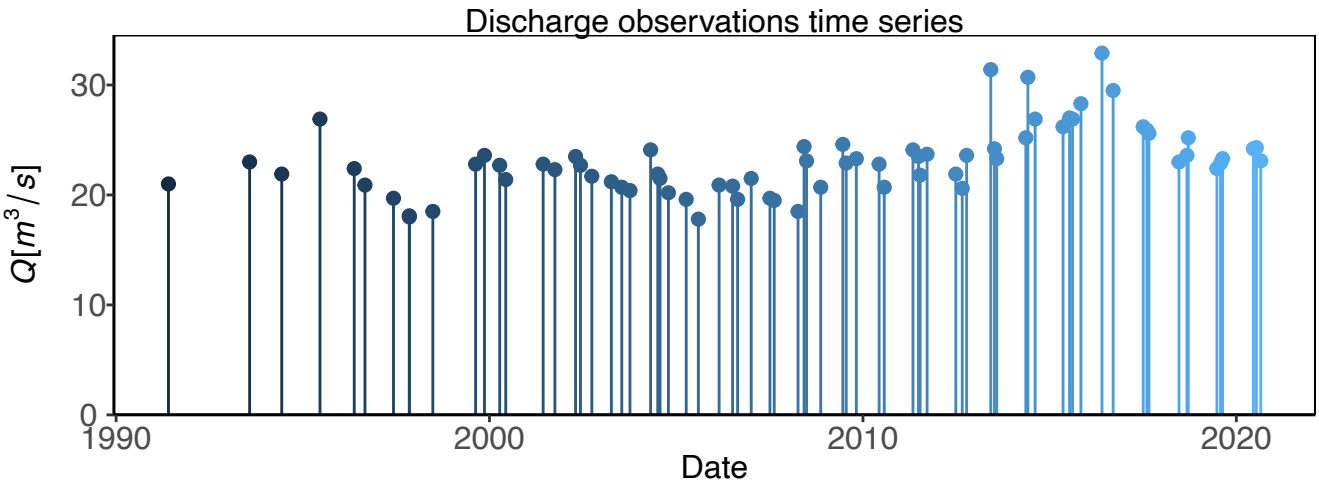
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.88	[0.34; 1.70]	10065	1.00
b	1.56	[1.25; 1.96]	10157	1.00
c	10.38	[9.48; 11.04]	9937	1.00
σ_ε	0.06	[0.05; 0.07]	8270	1.00

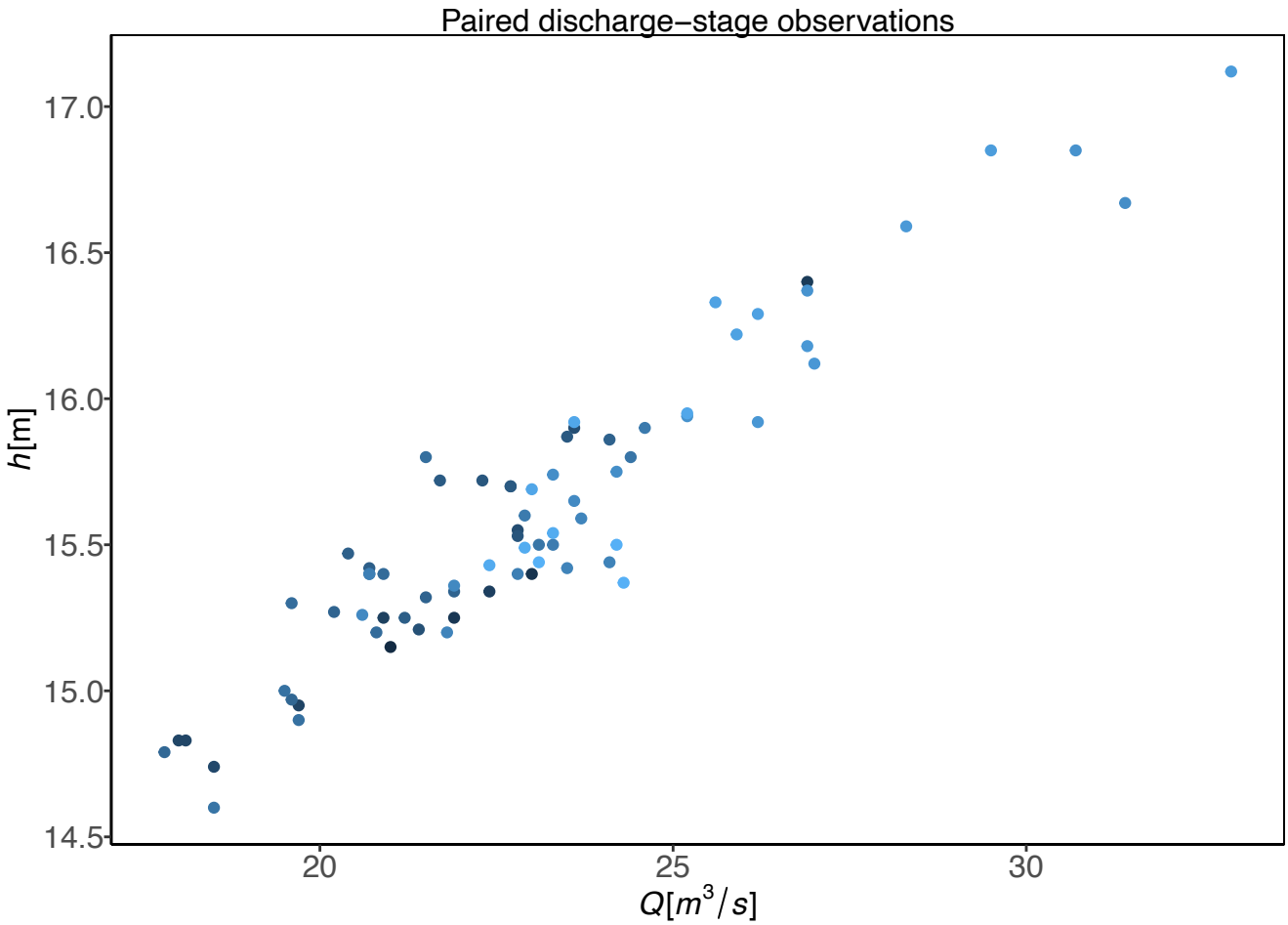
Power−law tournament results for Reyðarvatnsós, Iceland



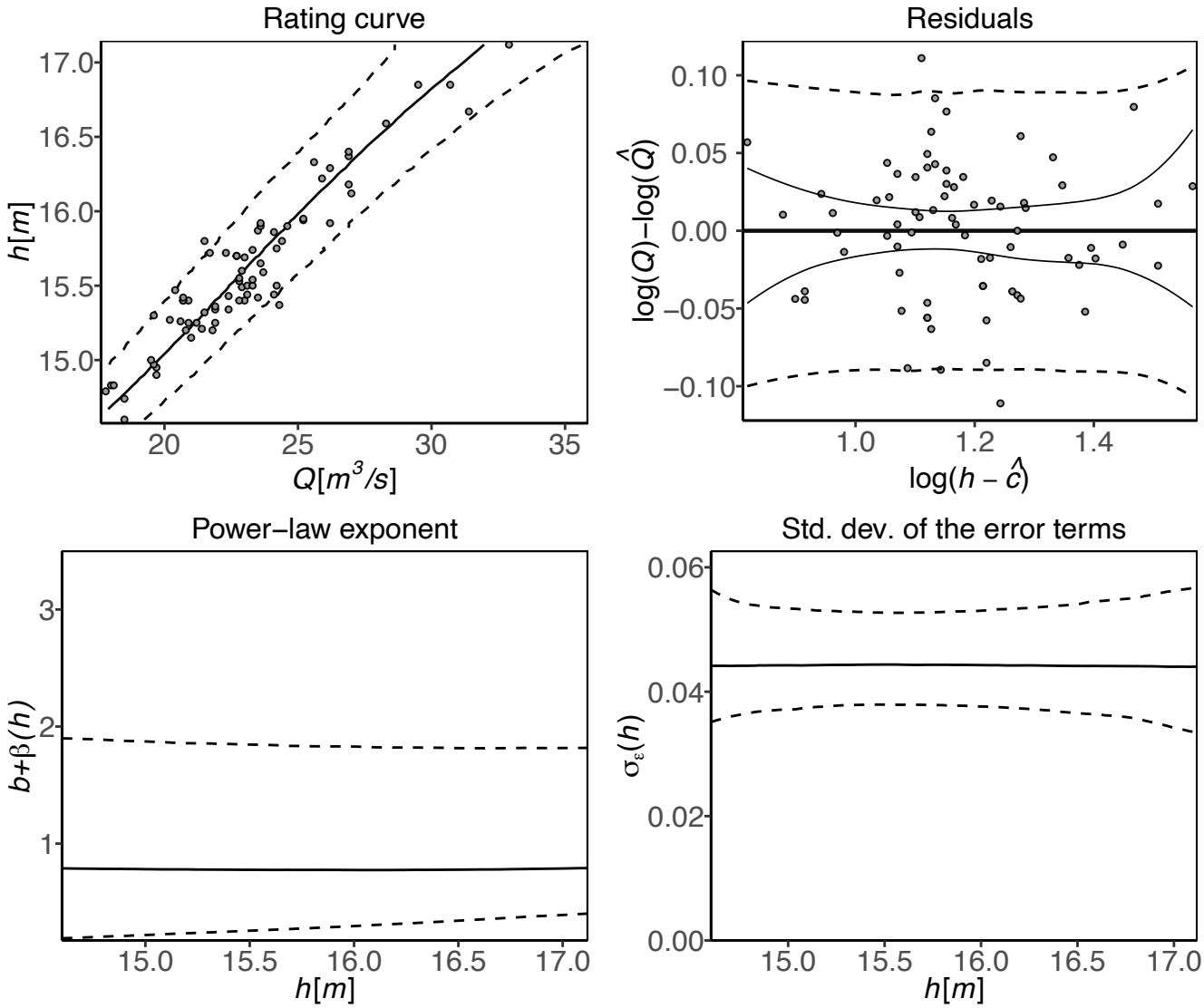
Station name:	ofan Ullarfossbrúar
Location:	Iceland
Station number:	V324
Number of observations:	74
Start date:	1991–05–28
End date:	2020–08–27
Max. discharge (m^3/s):	32.9
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.05	0.25
GPLM0	0.04	0.26
PLM	0.25	0.23
PLM0	0.00	0.26



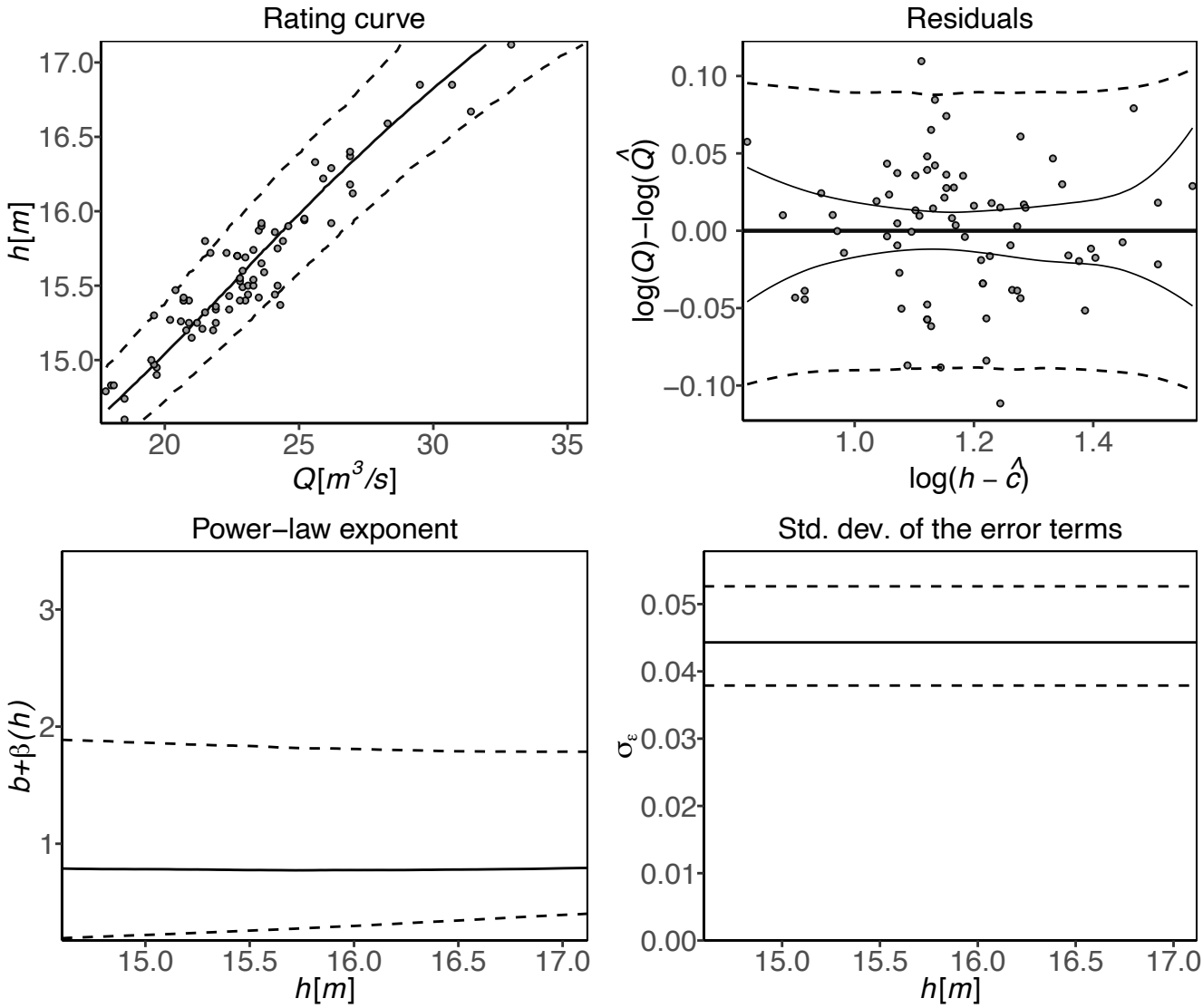


ofan Ullarfossbrúar, Iceland – GPLM



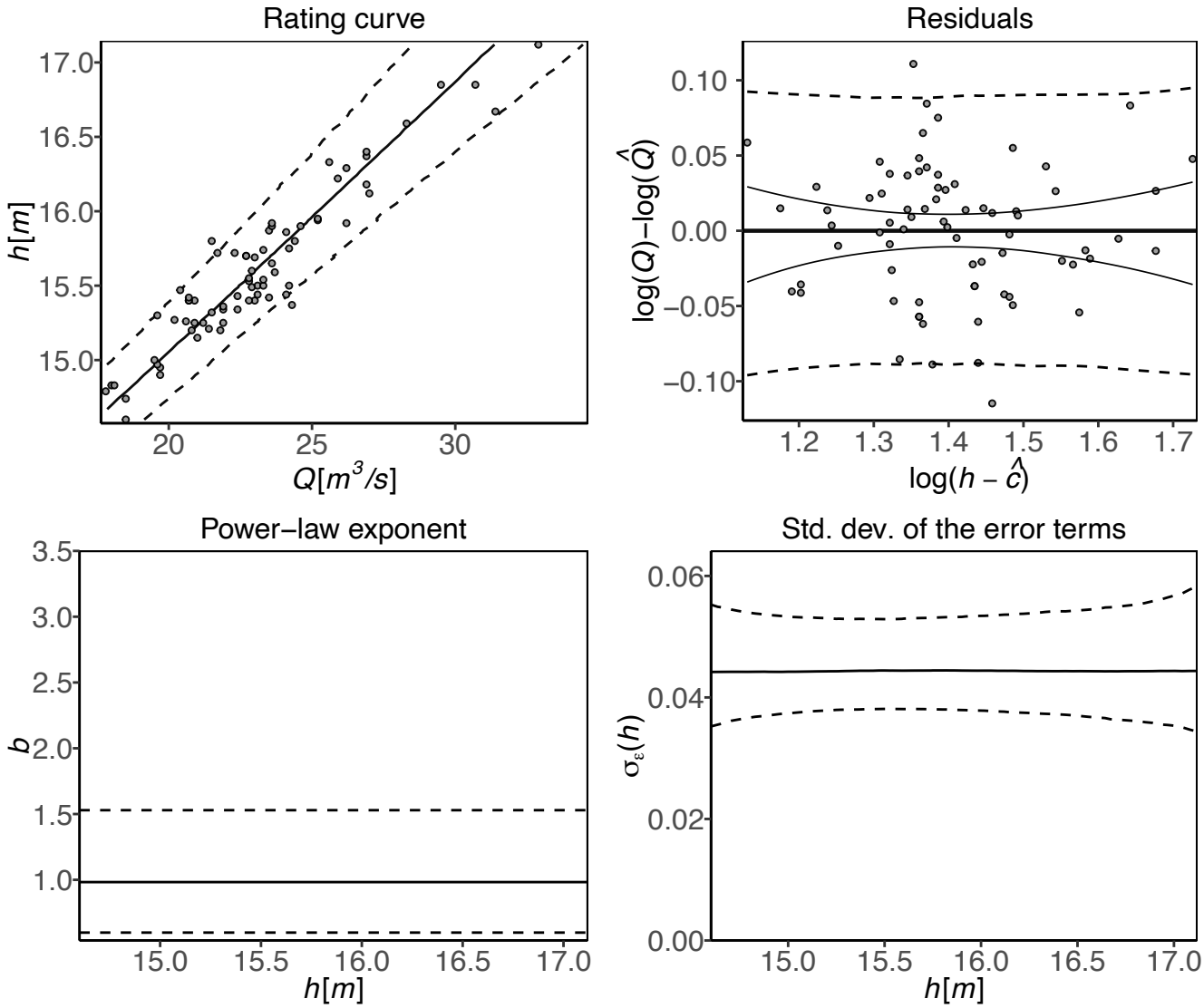
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.18	[0.73; 21.02]	1883	1.00
b	1.83	[1.83; 1.84]	5490	1.00
c	12.33	[8.79; 14.22]	1431	1.01
σ_β	0.56	[0.07; 1.20]	1200	1.01
ϕ_β	15.79	[1.98; 4389.49]	802	1.03
σ_η	0.08	[0.00; 0.37]	1255	1.00
η_1	−6.24	[−6.70; −5.75]	1354	1.00
η_2	−6.18	[−8.03; −4.43]	1498	1.00
η_3	−6.08	[−8.66; −3.48]	1544	1.00
η_4	−6.18	[−9.33; −2.96]	1589	1.00
η_5	−6.22	[−9.87; −2.52]	1608	1.01
η_6	−6.25	[−10.41; −2.06]	1610	1.00

ofan Ullarfossbrúar, Iceland – GPLM0



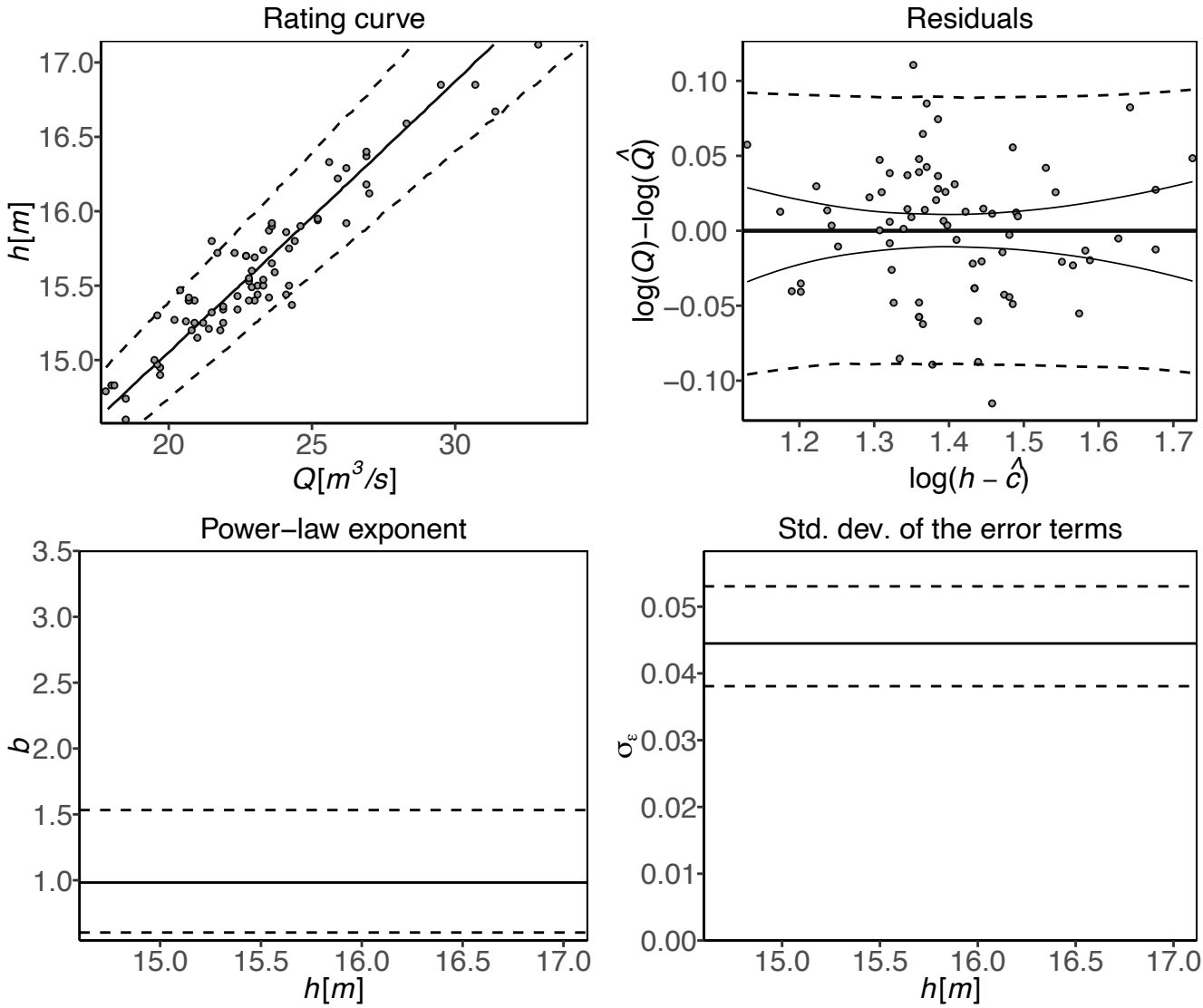
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	9.10	[0.79; 20.87]	3380	1.00
b	1.83	[1.83; 1.84]	6819	1.00
c	12.33	[8.77; 14.19]	2237	1.00
σ_ε	0.04	[0.04; 0.05]	3212	1.00
σ_β	0.76	[0.32; 1.11]	2701	1.00
ϕ_β	16.78	[2.71; 23999.93]	800	1.05

ofan Ullarfossbrúar, Iceland – PLM



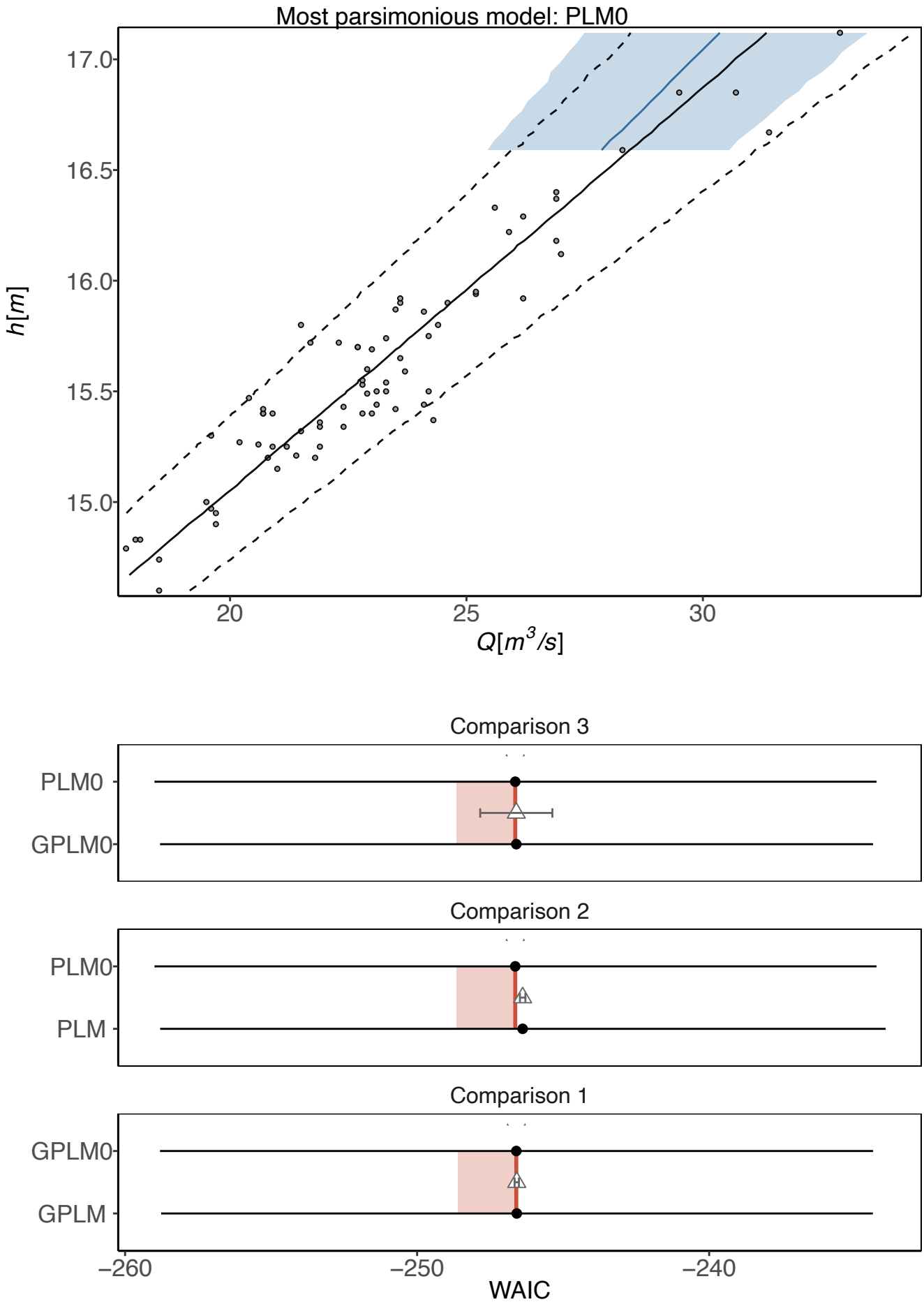
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.77	[1.36; 13.19]	2938	1.00
b	0.98	[0.60; 1.53]	2938	1.00
c	11.50	[9.21; 13.05]	2768	1.00
σ_η	0.08	[0.00; 0.37]	1644	1.00
η_1	–6.24	[–6.69; –5.79]	2261	1.00
η_2	–6.23	[–8.12; –4.37]	2394	1.00
η_3	–6.15	[–8.81; –3.57]	2504	1.00
η_4	–6.17	[–9.39; –3.09]	2692	1.00
η_5	–6.21	[–9.88; –2.59]	2745	1.00
η_6	–6.19	[–10.33; –2.05]	2478	1.00

ofan Ullarfossbrúar, Iceland – PLM0



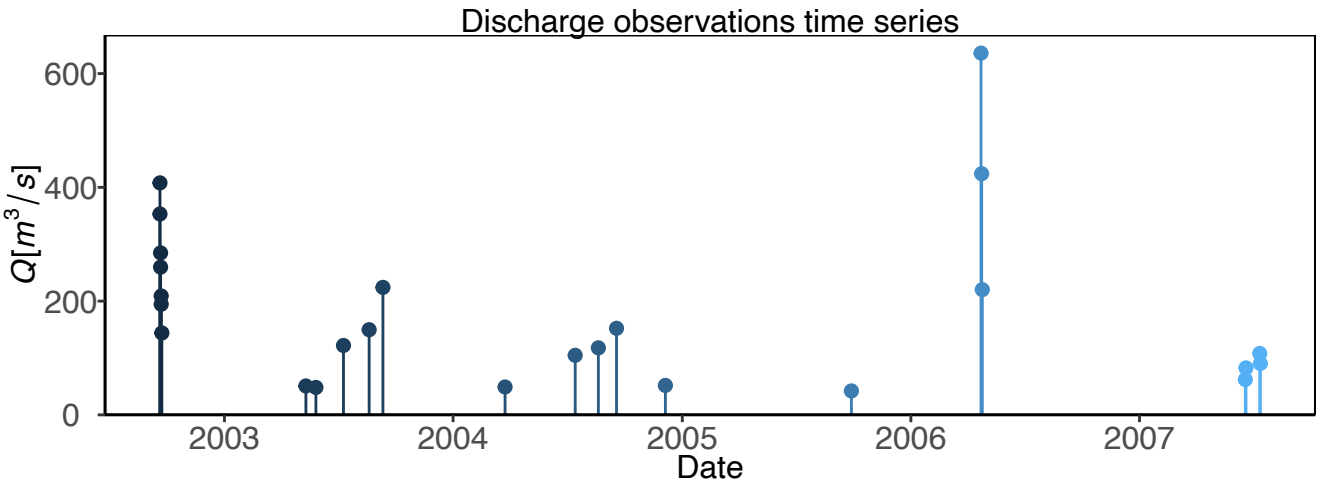
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.75	[1.37; 13.06]	9474	1.00
b	0.98	[0.60; 1.53]	9340	1.00
c	11.50	[9.22; 13.04]	8500	1.00
σ_ε	0.04	[0.04; 0.05]	9392	1.00

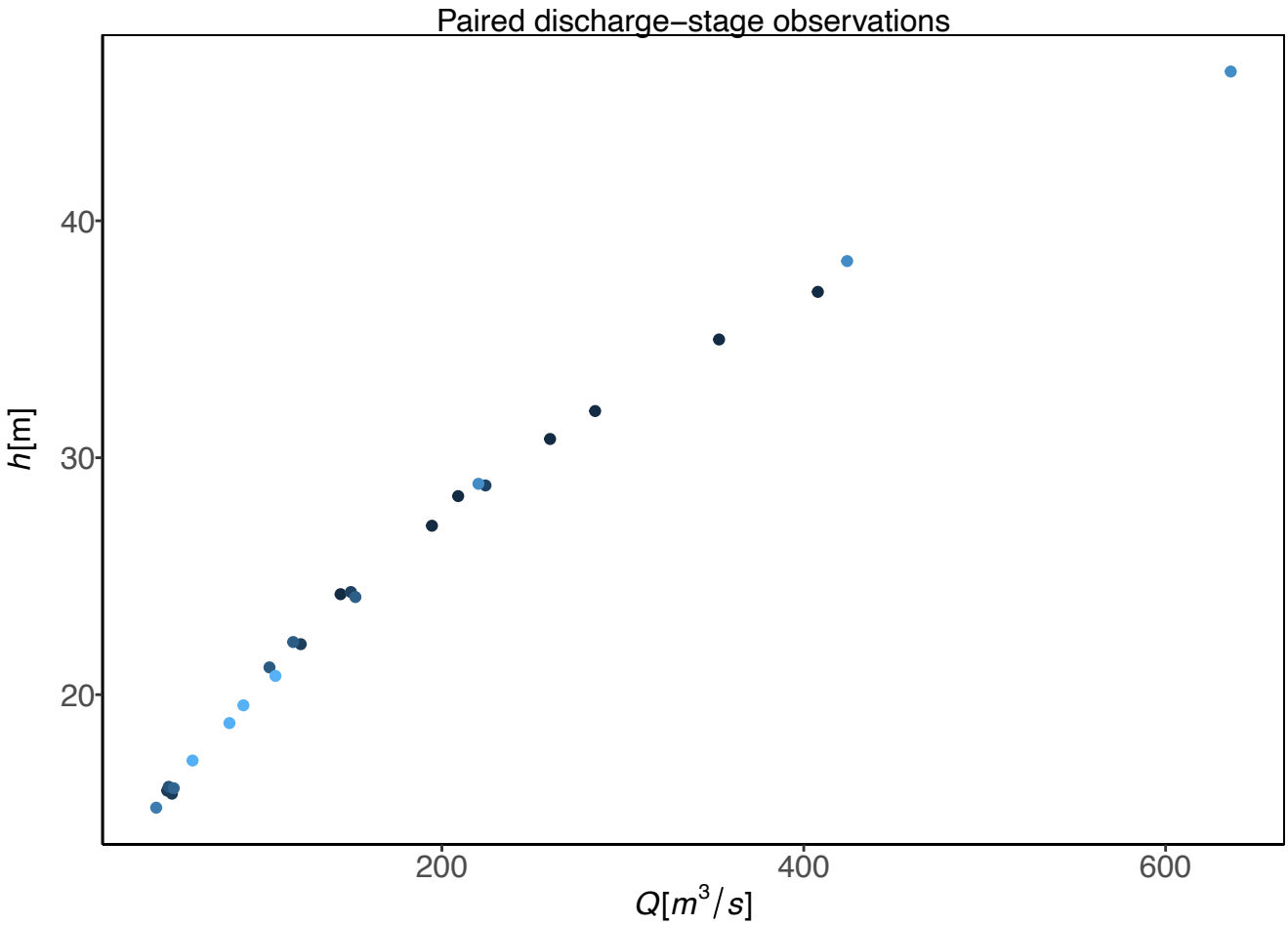
Power−law tournament results for ofan Ullarfossbrúar, Iceland



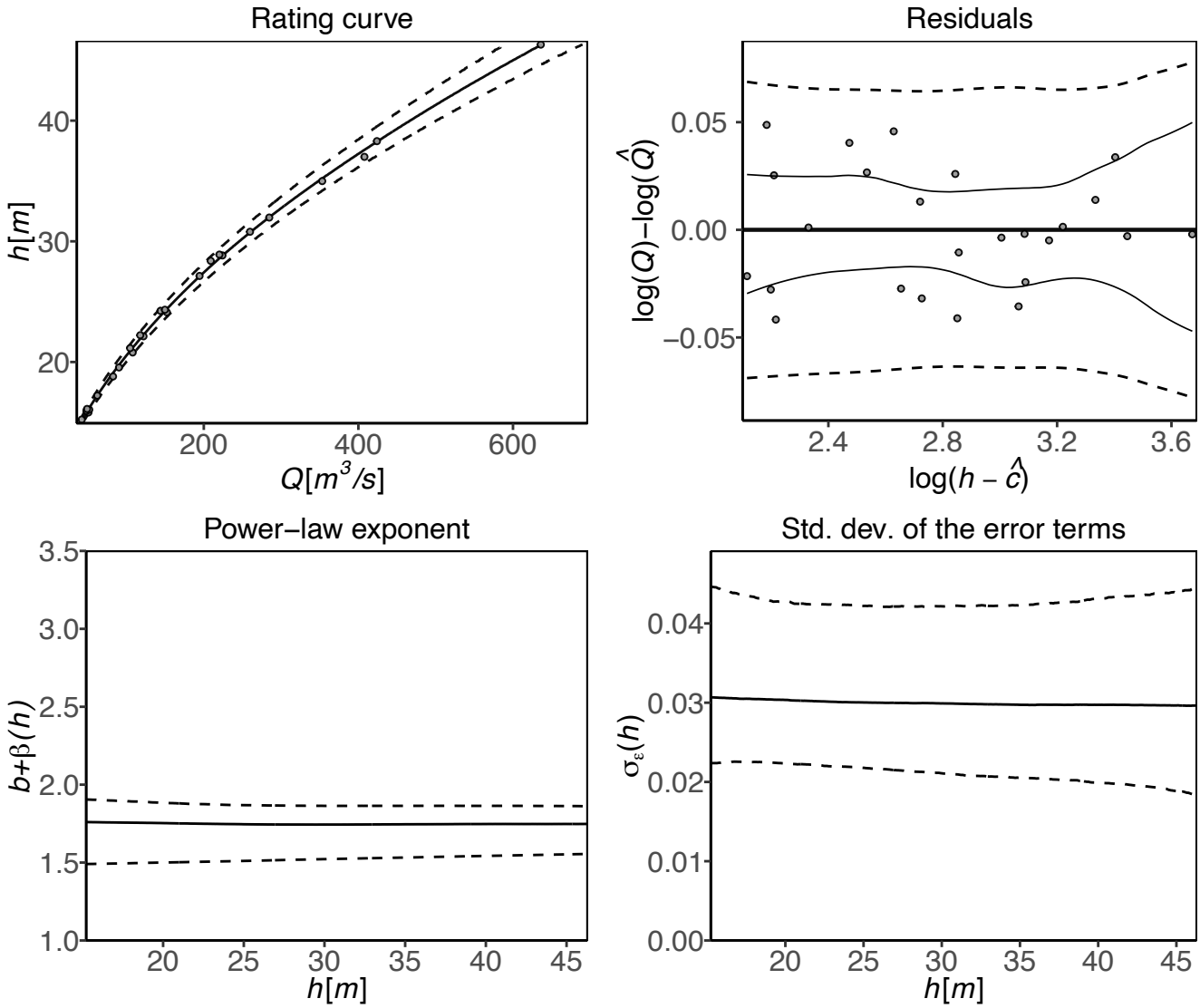
Station name:	Eystri–Ásar
Location:	Iceland
Station number:	V328
Number of observations:	25
Start date:	2002–09–20
End date:	2007–07–13
Max. discharge (m^3/s):	636
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.44
GPLM0	0.21	0.40
PLM	3.60	0.07
PLM0	3.37	0.08



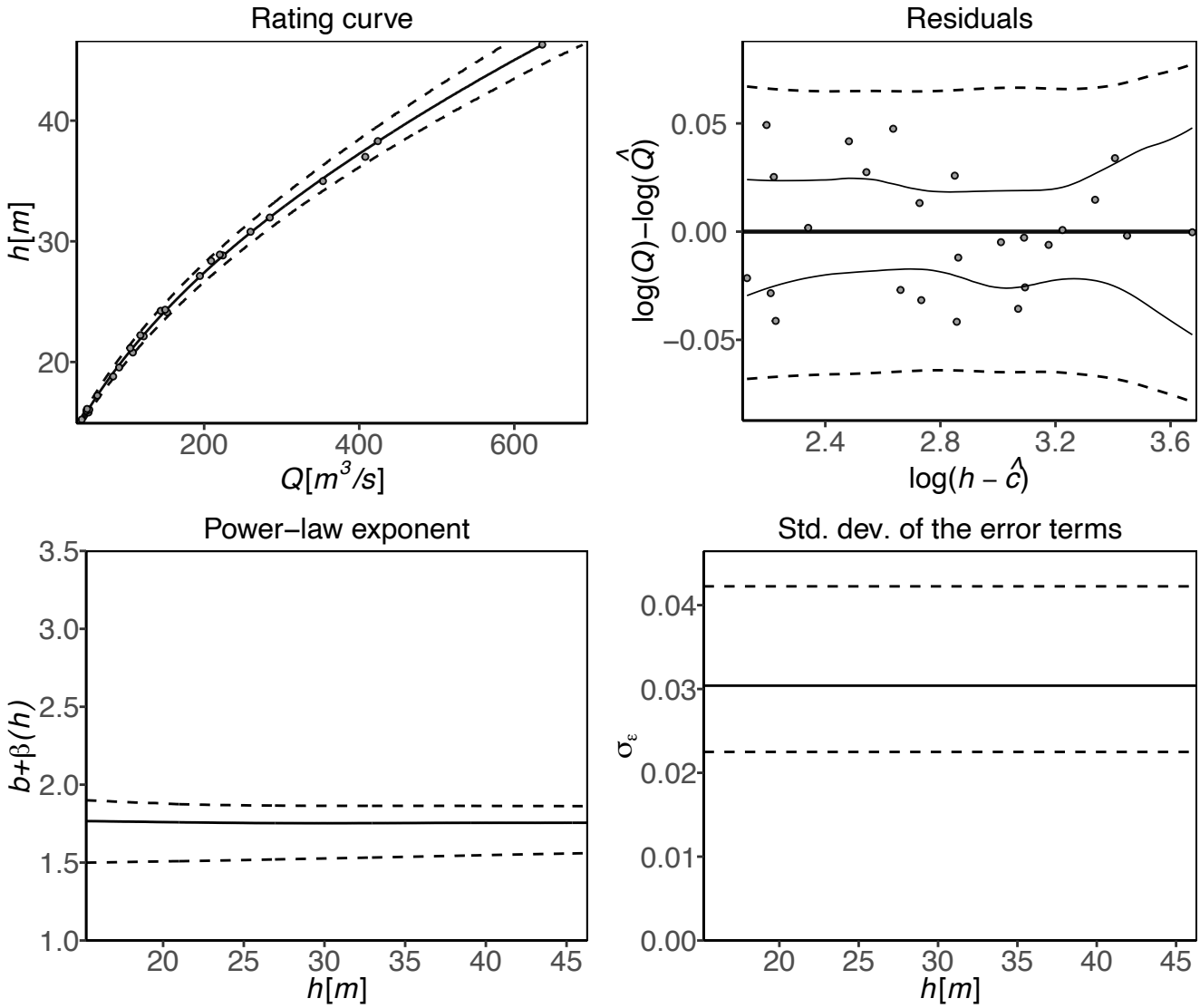


Eystri−Ásar, Iceland − GPLM



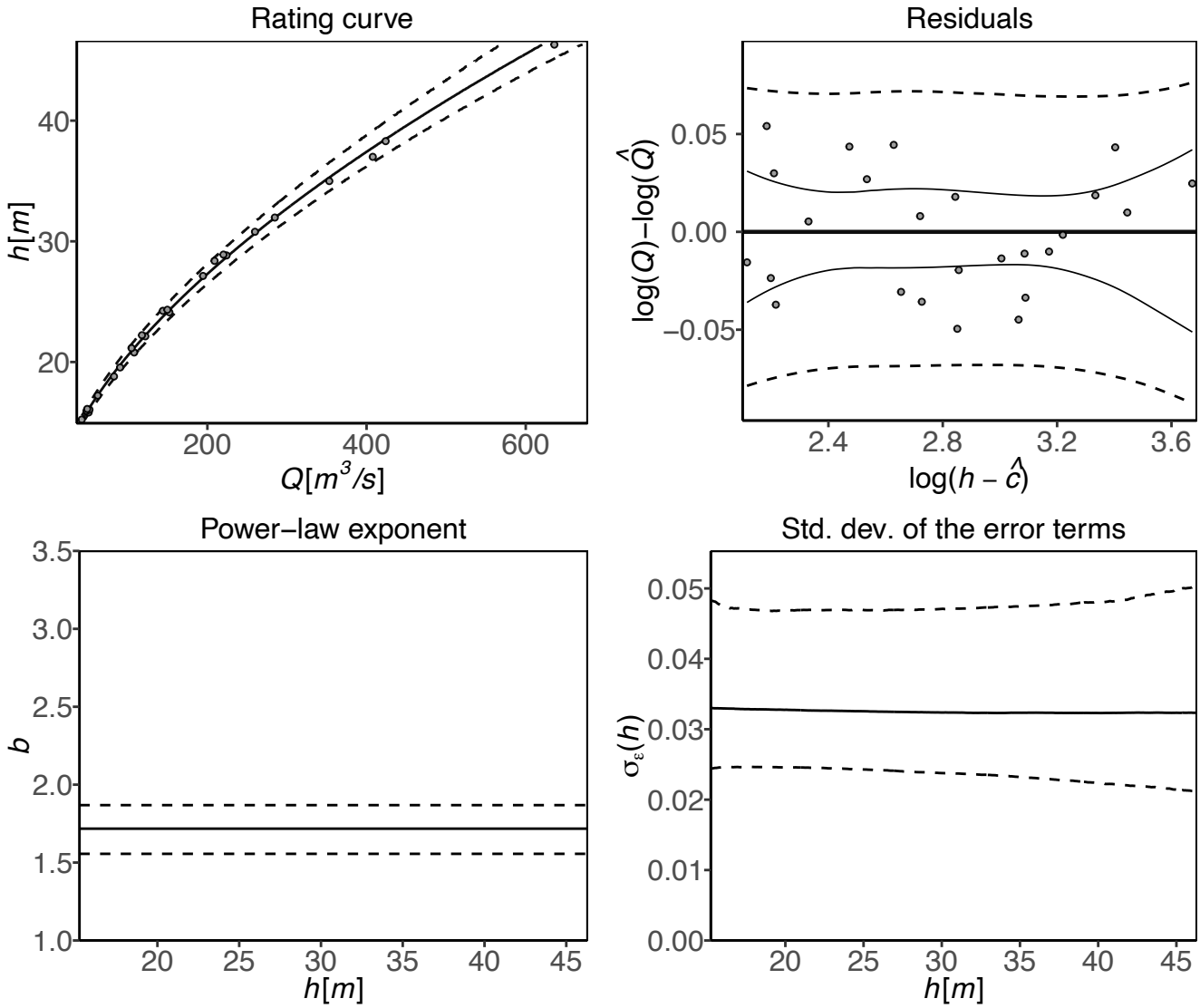
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.03	[0.65; 2.21]	1778	1.01
b	1.83	[1.83; 1.84]	5842	1.00
c	6.94	[5.62; 8.00]	1140	1.01
σ_β	0.11	[0.00; 0.49]	1286	1.01
ϕ_β	100.86	[3.72; 4803.97]	868	1.02
σ_η	0.08	[0.00; 0.45]	1246	1.00
η_1	−6.97	[−7.60; −6.22]	1712	1.00
η_2	−7.05	[−8.98; −5.13]	1819	1.00
η_3	−7.24	[−9.85; −4.56]	1825	1.00
η_4	−7.38	[−10.64; −3.99]	1883	1.00
η_5	−7.42	[−11.22; −3.56]	1880	1.00
η_6	−7.46	[−11.66; −3.07]	1964	1.00

Eystri−Ásar, Iceland − GPLM0



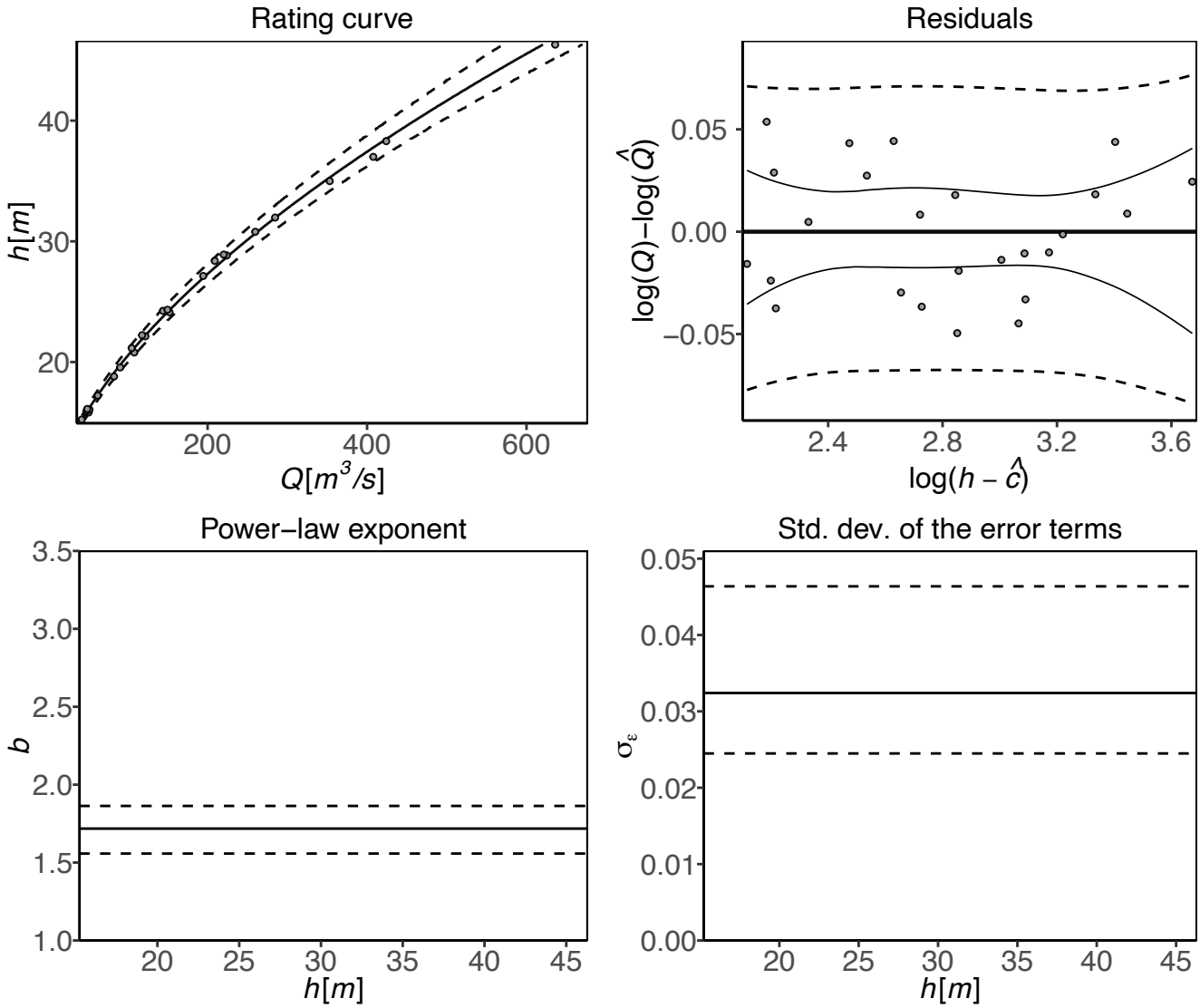
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.00	[0.65; 2.17]	2565	1.01
b	1.83	[1.83; 1.84]	6655	1.00
c	6.83	[5.62; 8.00]	1444	1.02
σ_ε	0.03	[0.02; 0.04]	3385	1.00
σ_β	0.32	[0.05; 0.70]	1488	1.02
ϕ_β	129.81	[5.78; 1847627.06]	796	1.06

Eystri−Ásar, Iceland − PLM



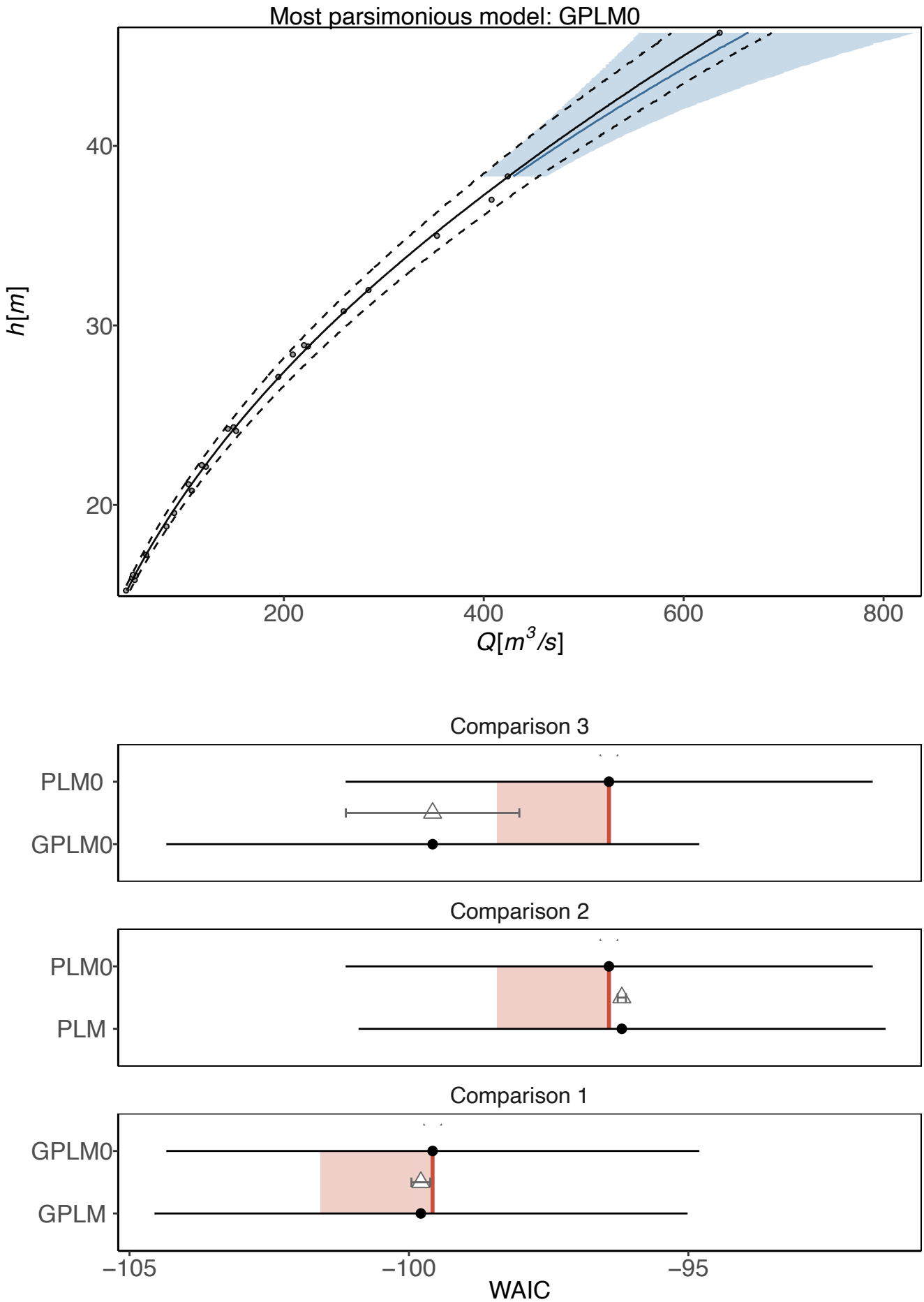
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.13	[0.63; 2.07]	2545	1.00
b	1.72	[1.56; 1.87]	2574	1.00
c	6.94	[5.57; 8.33]	2464	1.00
σ_η	0.08	[0.00; 0.41]	1944	1.00
η_1	−6.82	[−7.42; −6.06]	2490	1.00
η_2	−6.89	[−8.79; −4.95]	2806	1.00
η_3	−7.00	[−9.62; −4.32]	2898	1.00
η_4	−7.07	[−10.33; −3.76]	2997	1.00
η_5	−7.08	[−11.00; −3.22]	2744	1.00
η_6	−7.09	[−11.46; −2.72]	2858	1.00

Eystri−Ásar, Iceland − PLM0



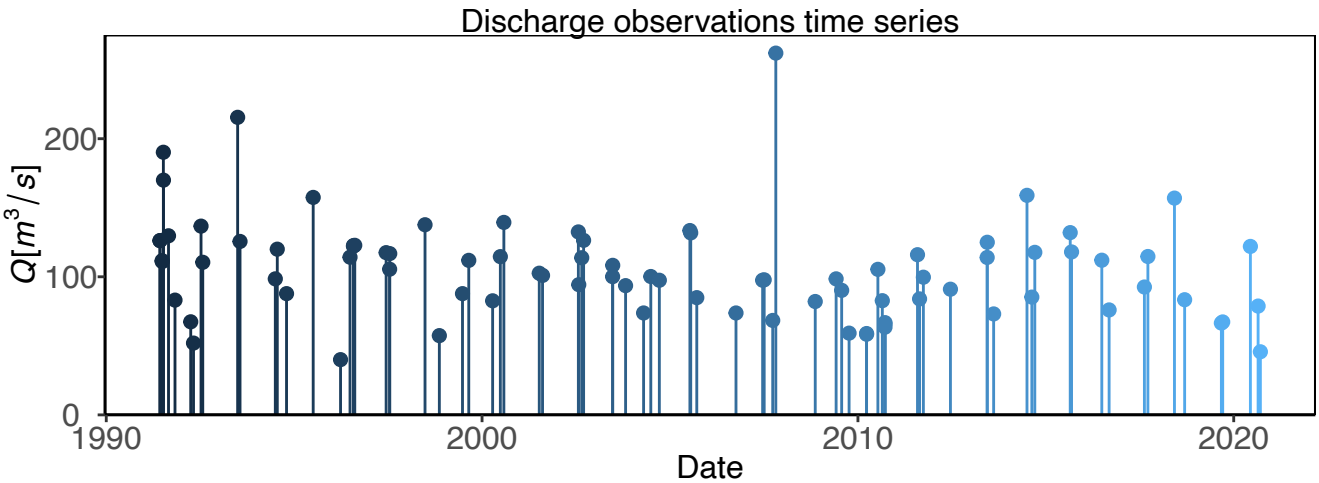
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.13	[0.64; 2.06]	8790	1.00
b	1.72	[1.56; 1.86]	8856	1.00
c	6.93	[5.62; 8.35]	8515	1.00
σ_ε	0.03	[0.02; 0.05]	8395	1.00

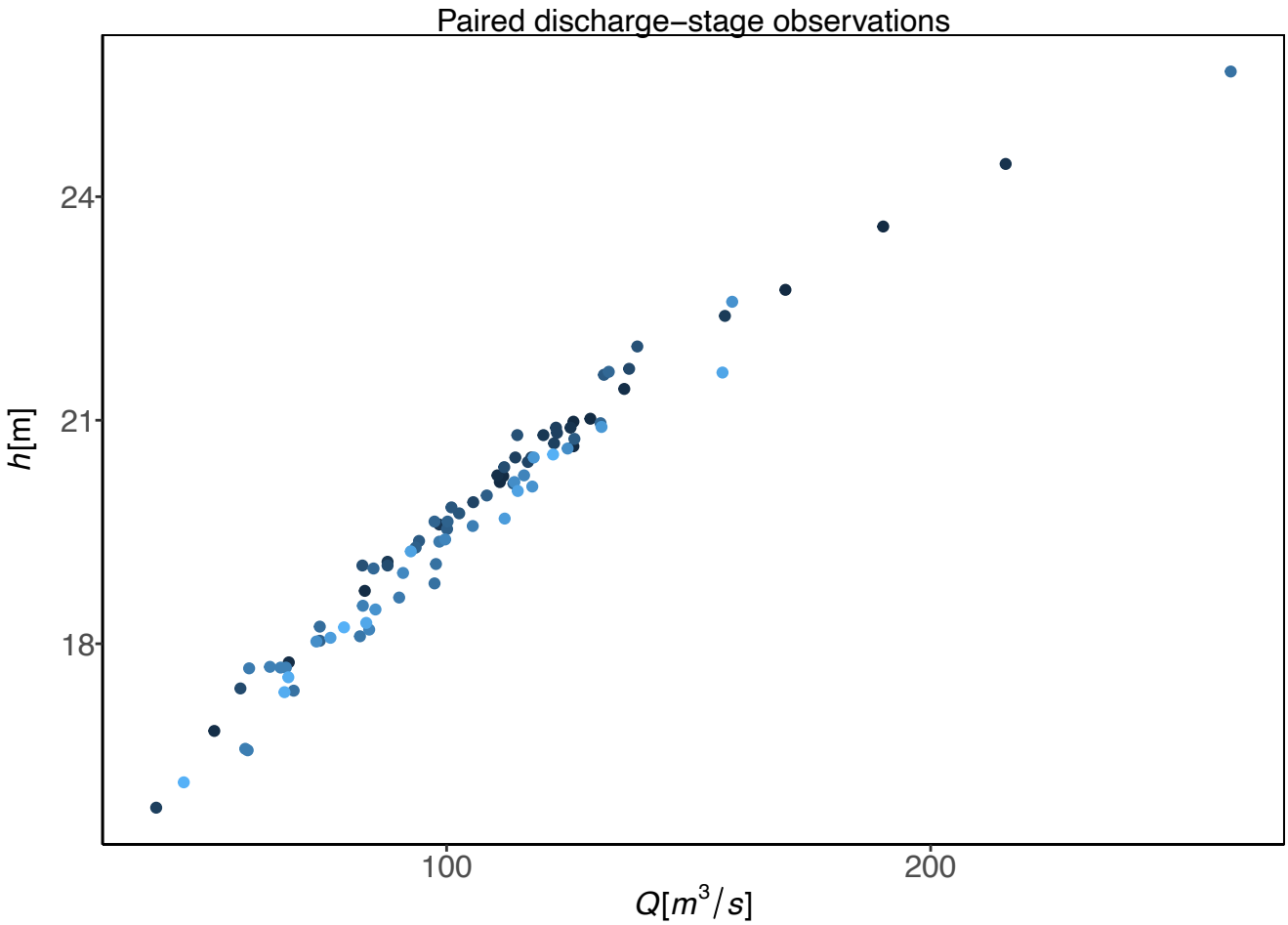
Power−law tournament results for Eystri−Ásar, Iceland



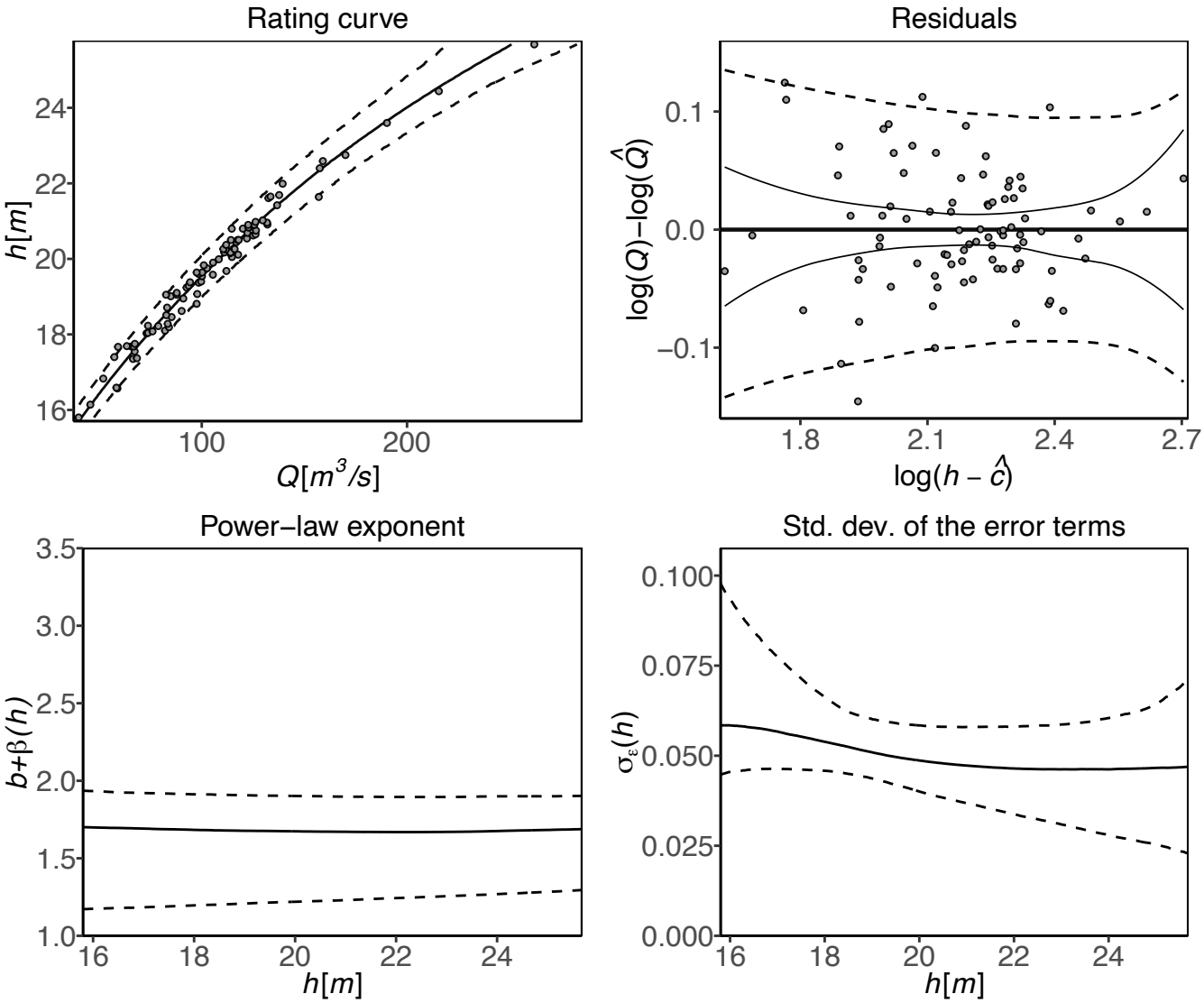
Station name:	Fremstaver
Location:	Iceland
Station number:	V335
Number of observations:	87
Start date:	1991–06–07
End date:	2020–09–16
Max. discharge (m^3/s):	262
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.79
GPLM0	4.23	0.10
PLM	4.24	0.09
PLM0	7.43	0.02



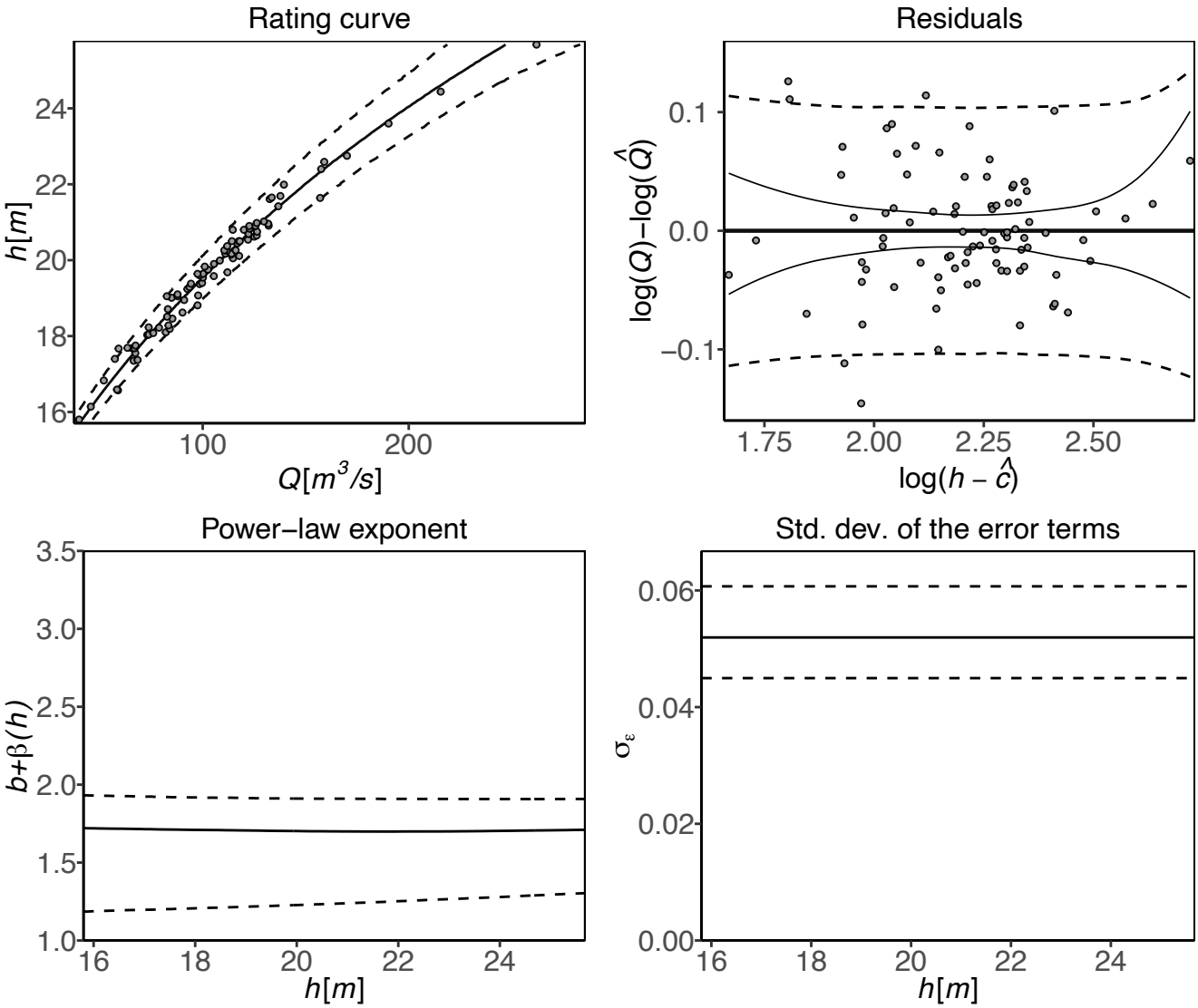


Fremstaver, Iceland – GPLM



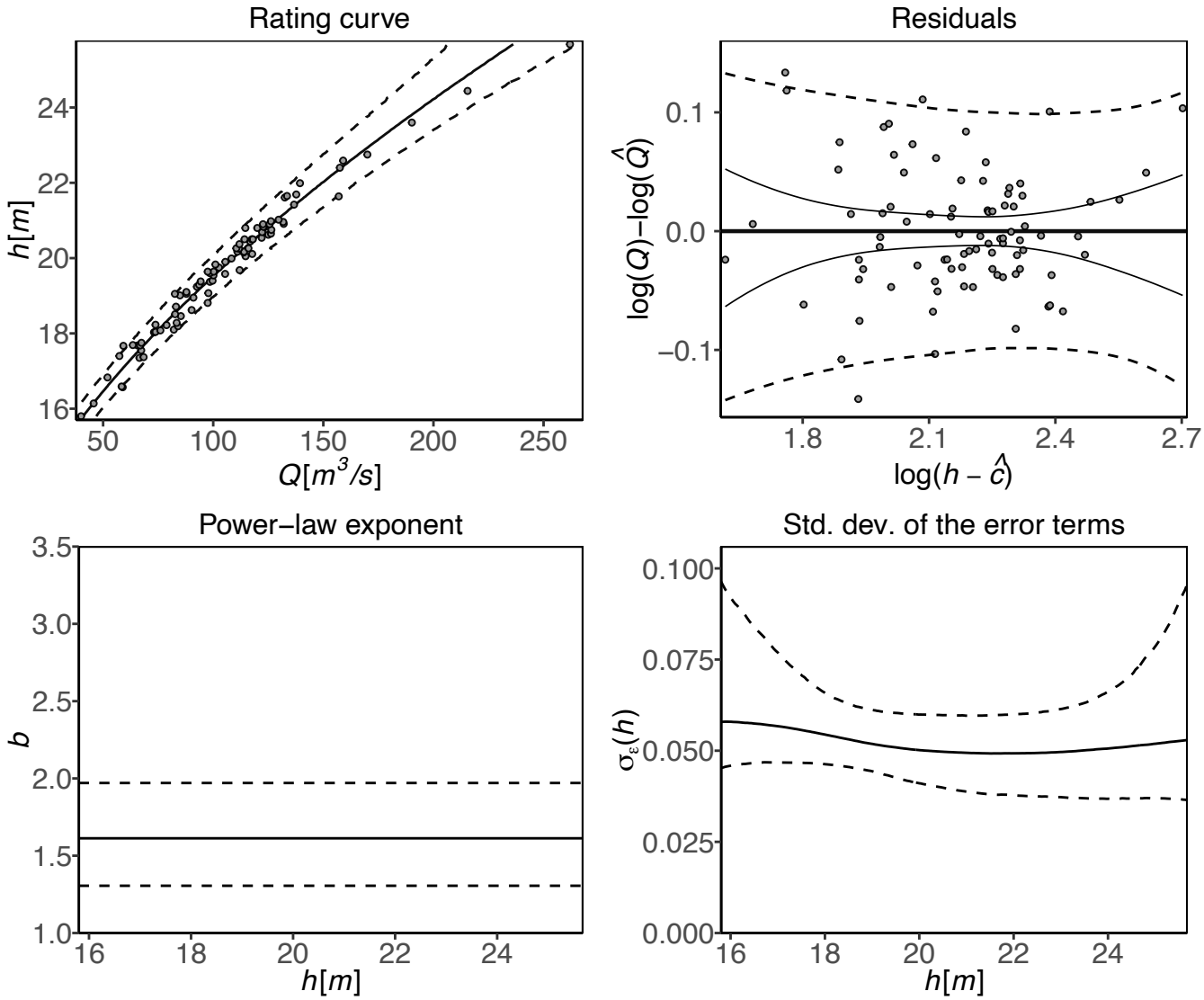
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.62	[1.23; 8.43]	1471	1.02
b	1.83	[1.83; 1.84]	7303	1.00
c	10.74	[9.26; 12.00]	1052	1.02
σ_β	0.17	[0.01; 0.63]	1083	1.03
ϕ_β	25.06	[3.24; 2712.44]	798	1.08
σ_η	0.24	[0.02; 0.70]	857	1.05
η_1	−5.68	[−6.21; −4.65]	1392	1.02
η_2	−5.84	[−7.57; −4.35]	1490	1.00
η_3	−6.96	[−9.10; −4.76]	1258	1.02
η_4	−7.57	[−10.13; −4.66]	1540	1.01
η_5	−7.66	[−10.94; −4.14]	1707	1.01
η_6	−7.63	[−11.48; −3.69]	1764	1.00

Fremstaver, Iceland – GPLM0



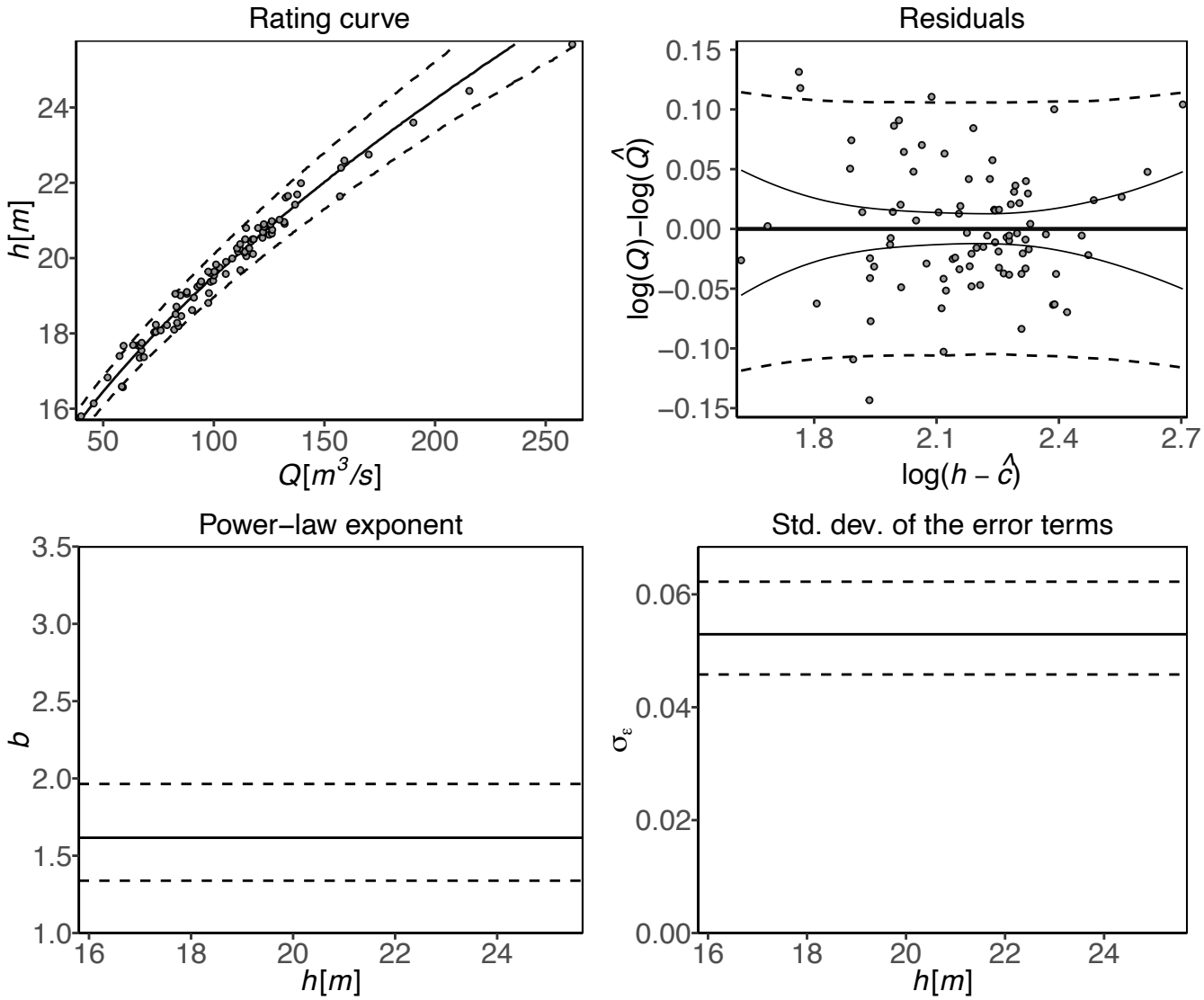
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.36	[1.18; 8.23]	2351	1.00
b	1.83	[1.83; 1.84]	6996	1.00
c	10.49	[9.18; 11.98]	1231	1.01
σ_ε	0.05	[0.04; 0.06]	3556	1.00
σ_β	0.40	[0.08; 0.81]	1716	1.01
ϕ_β	36.53	[3.68; 9624.37]	924	1.01

Fremstaver, Iceland – PLM



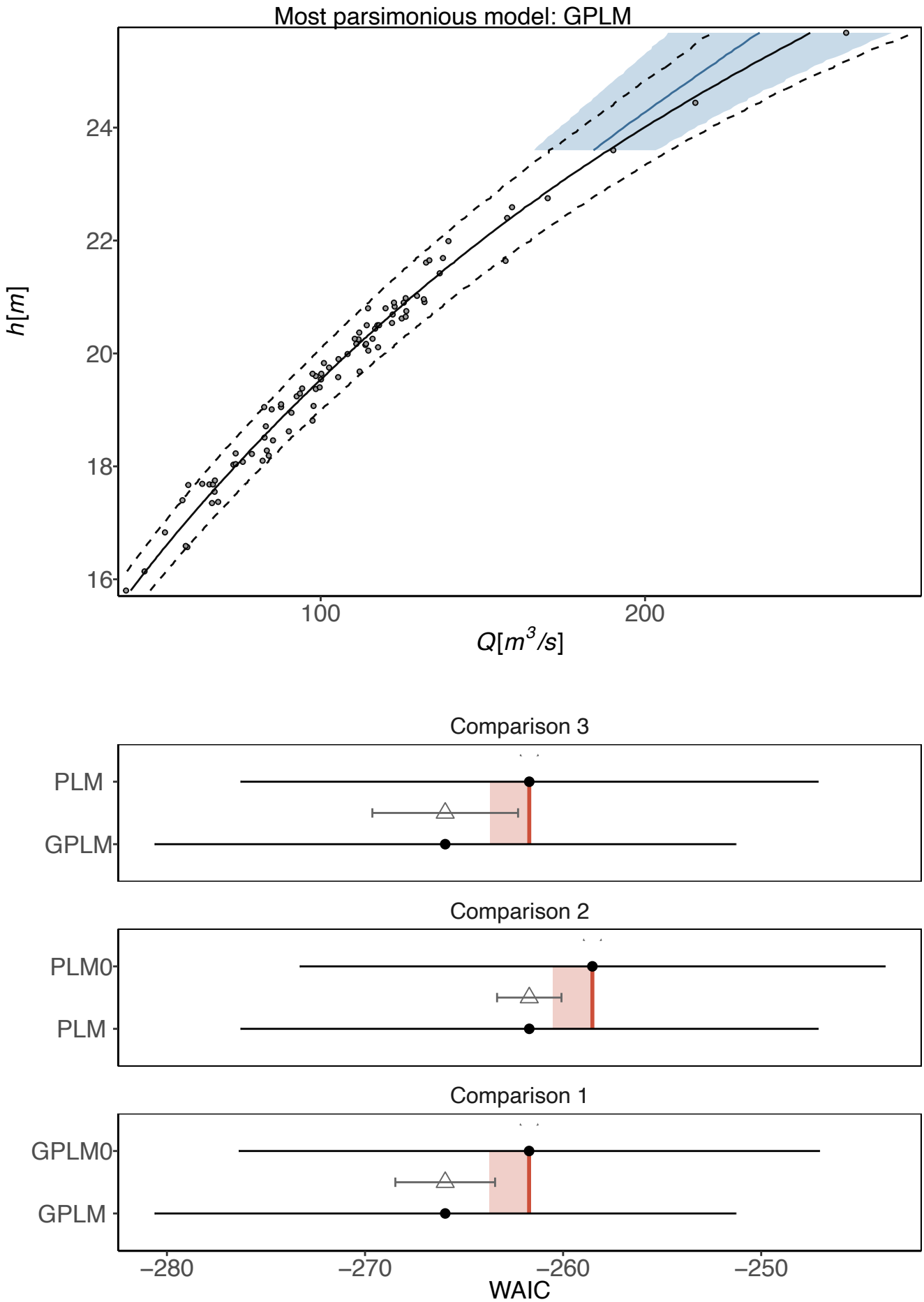
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.02	[0.94; 7.61]	2548	1.00
b	1.61	[1.31; 1.97]	2573	1.00
c	10.77	[8.90; 12.32]	2449	1.00
σ_η	0.21	[0.02; 0.73]	963	1.03
η_1	–5.70	[–6.19; –4.68]	1667	1.01
η_2	–5.82	[–7.58; –4.34]	1792	1.01
η_3	–6.84	[–8.94; –4.74]	1514	1.01
η_4	–7.23	[–9.71; –4.64]	2070	1.00
η_5	–6.88	[–10.14; –3.88]	2095	1.00
η_6	–6.49	[–10.33; –3.23]	2038	1.00

Fremstaver, Iceland – PLM0



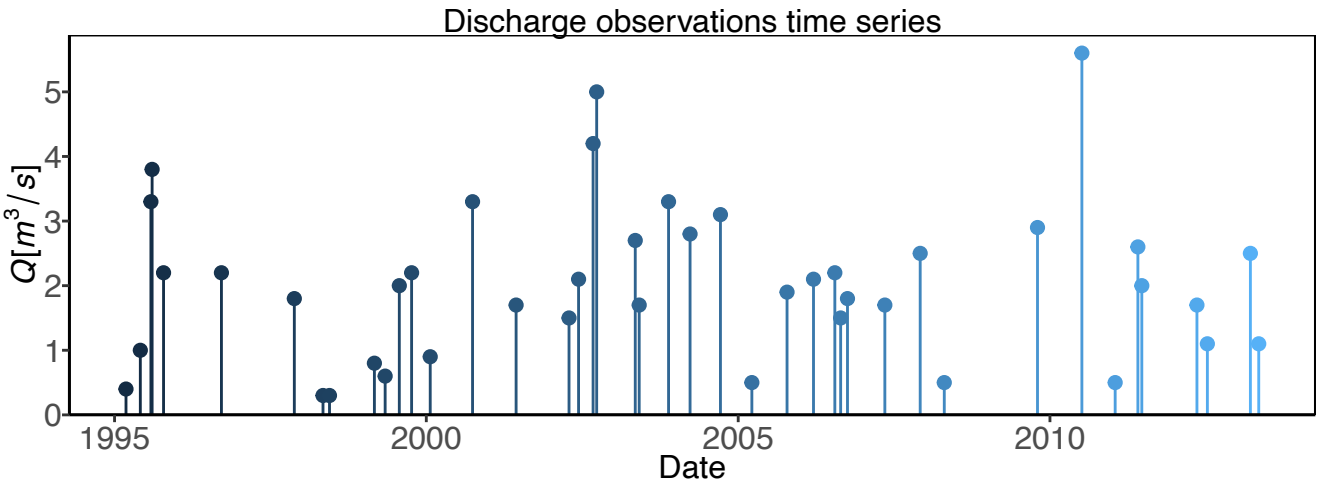
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.00	[0.98; 6.91]	10048	1.00
b	1.62	[1.34; 1.96]	10123	1.00
c	10.74	[8.96; 12.14]	10054	1.00
σ_ε	0.05	[0.05; 0.06]	10256	1.00

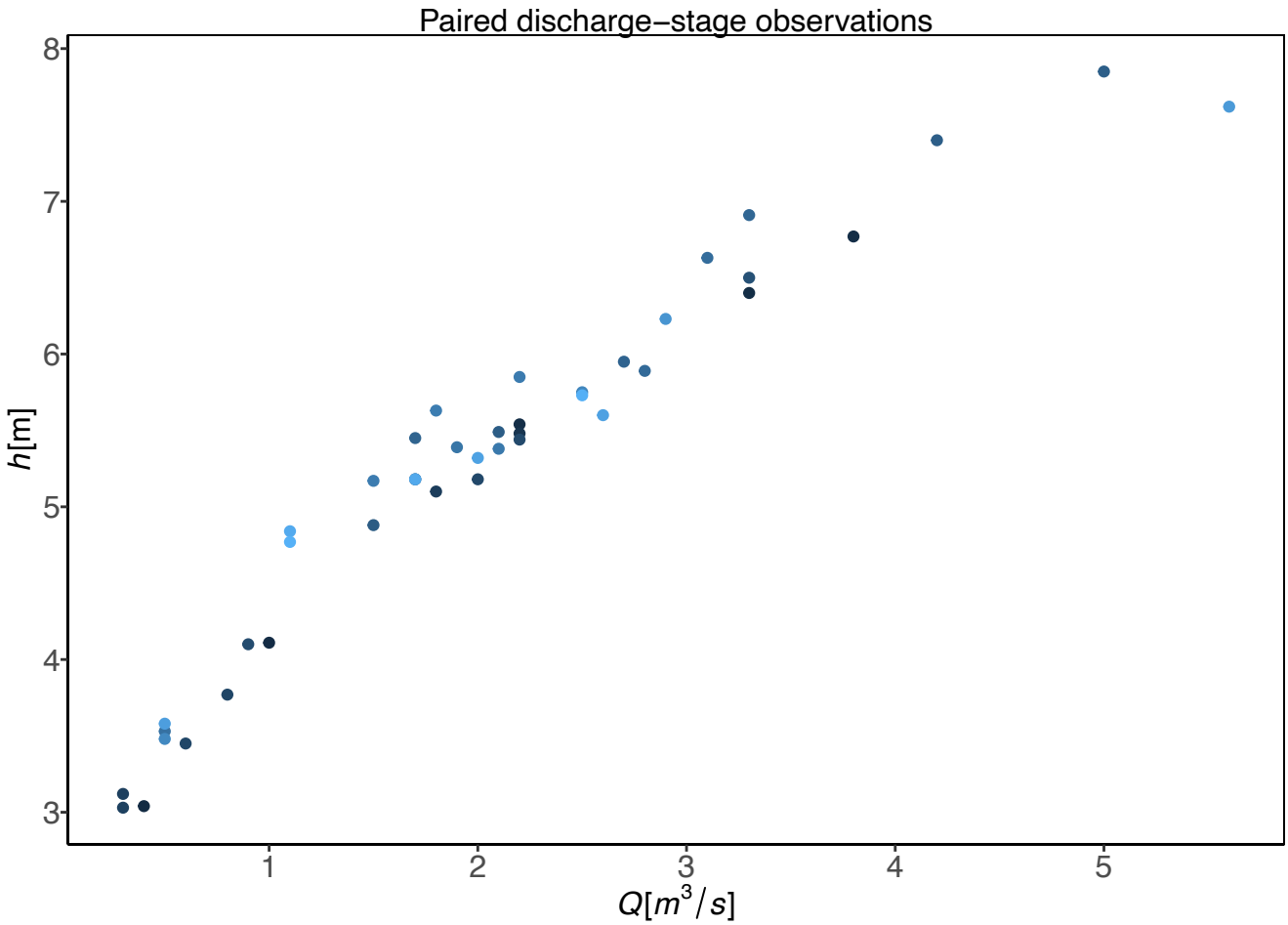
Power–law tournament results for Fremstaver, Iceland



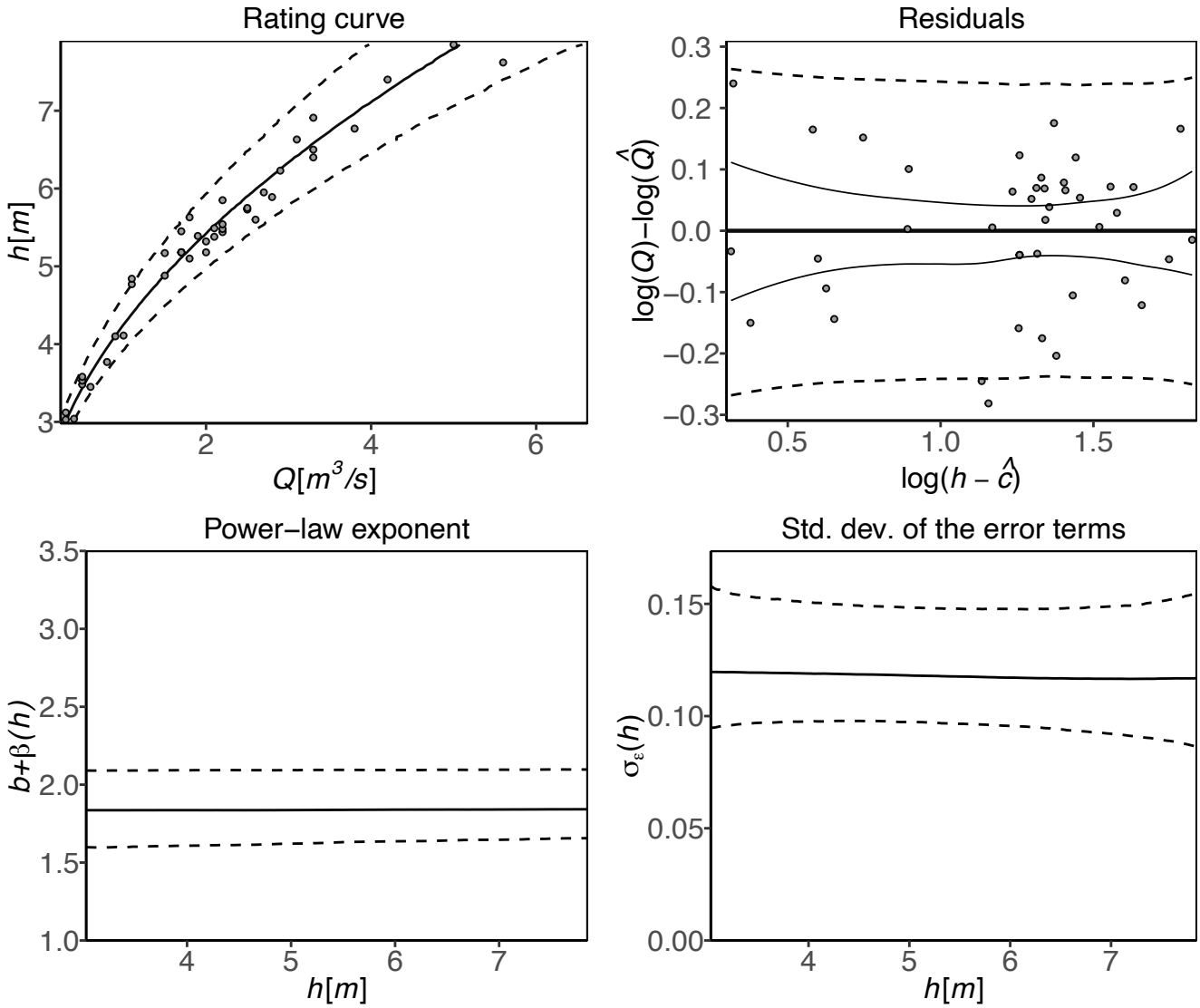
Station name:	ofan Landbrotsár
Location:	Iceland
Station number:	V339
Number of observations:	43
Start date:	1995–03–09
End date:	2013–05–08
Max. discharge (m^3/s):	5.6
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.27
GPLM0	0.00	0.27
PLM	0.38	0.22
PLM0	0.18	0.24



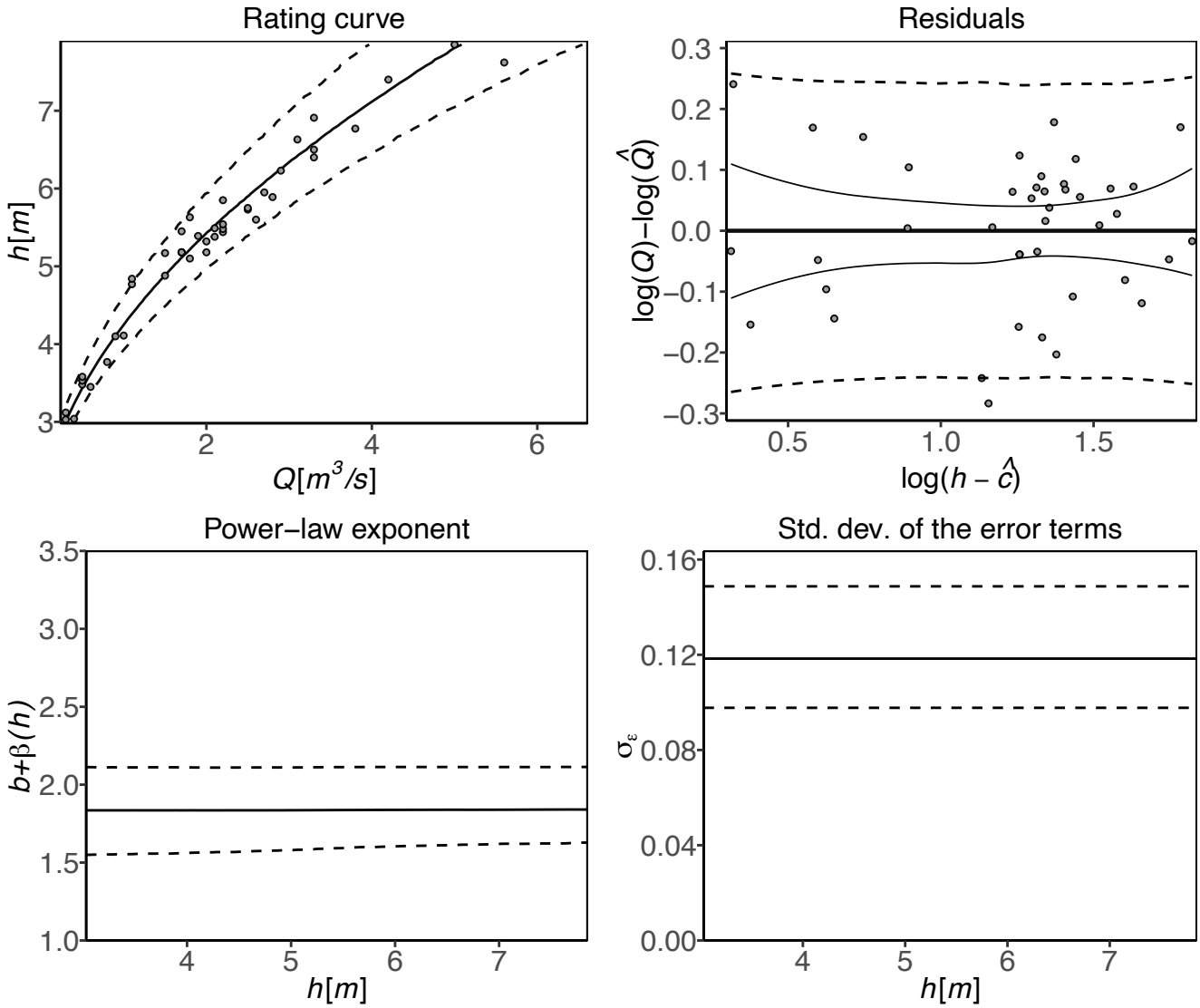


ofan Landbrotsár, Iceland – GPLM



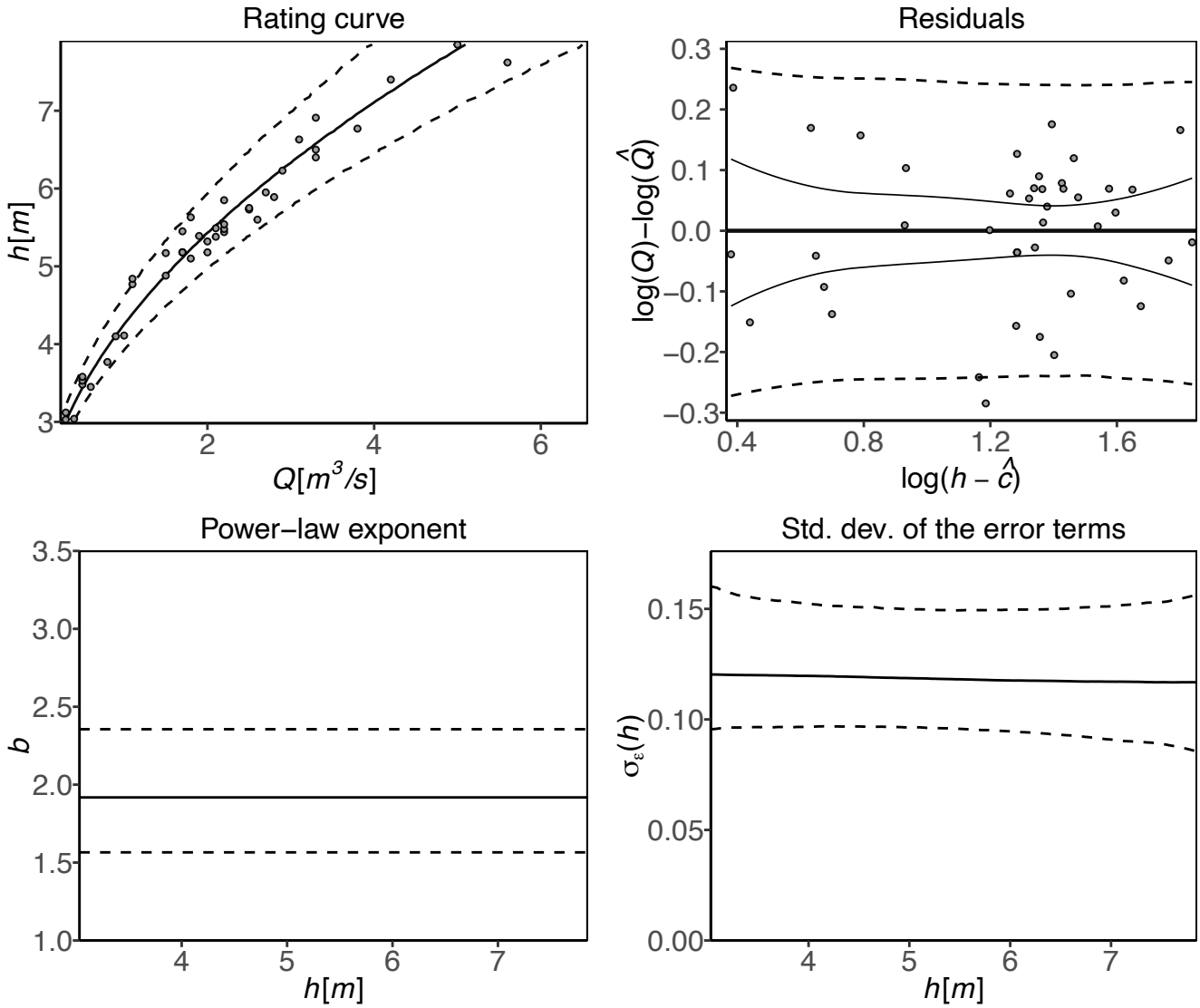
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.18	[0.10; 0.26]	1379	1.01
b	1.84	[1.83; 1.84]	9043	1.00
c	1.66	[1.28; 1.95]	1314	1.01
σ_β	0.08	[0.00; 0.45]	1676	1.00
ϕ_β	28.31	[1.02; 15265.09]	1265	1.00
σ_η	0.07	[0.00; 0.38]	1578	1.01
η_1	–4.25	[–4.72; –3.69]	2023	1.00
η_2	–4.26	[–6.14; –2.44]	2145	1.00
η_3	–4.35	[–6.84; –1.80]	2174	1.00
η_4	–4.55	[–7.54; –1.34]	2136	1.00
η_5	–4.60	[–8.17; –0.82]	2275	1.00
η_6	–4.61	[–8.73; –0.44]	2154	1.00

ofan Landbrotsár, Iceland – GPLM0



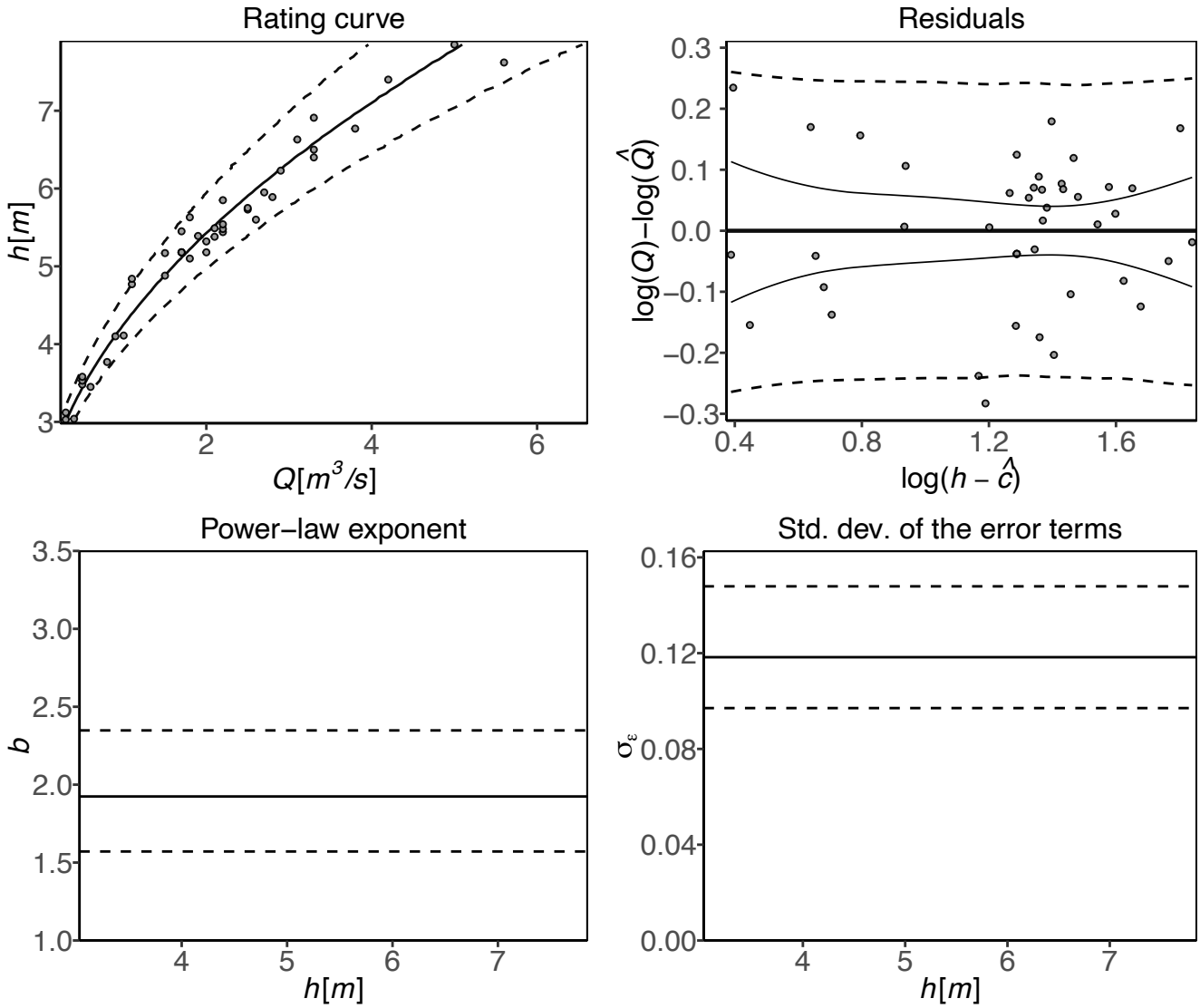
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.18	[0.10; 0.28]	2046	1.00
b	1.83	[1.83; 1.84]	12022	1.00
c	1.66	[1.26; 1.99]	1747	1.01
σ_ε	0.12	[0.10; 0.15]	4930	1.00
σ_β	0.29	[0.06; 0.69]	3351	1.00
ϕ_β	27.89	[1.06; 15477.37]	2654	1.00

ofan Landbrotsár, Iceland – PLM



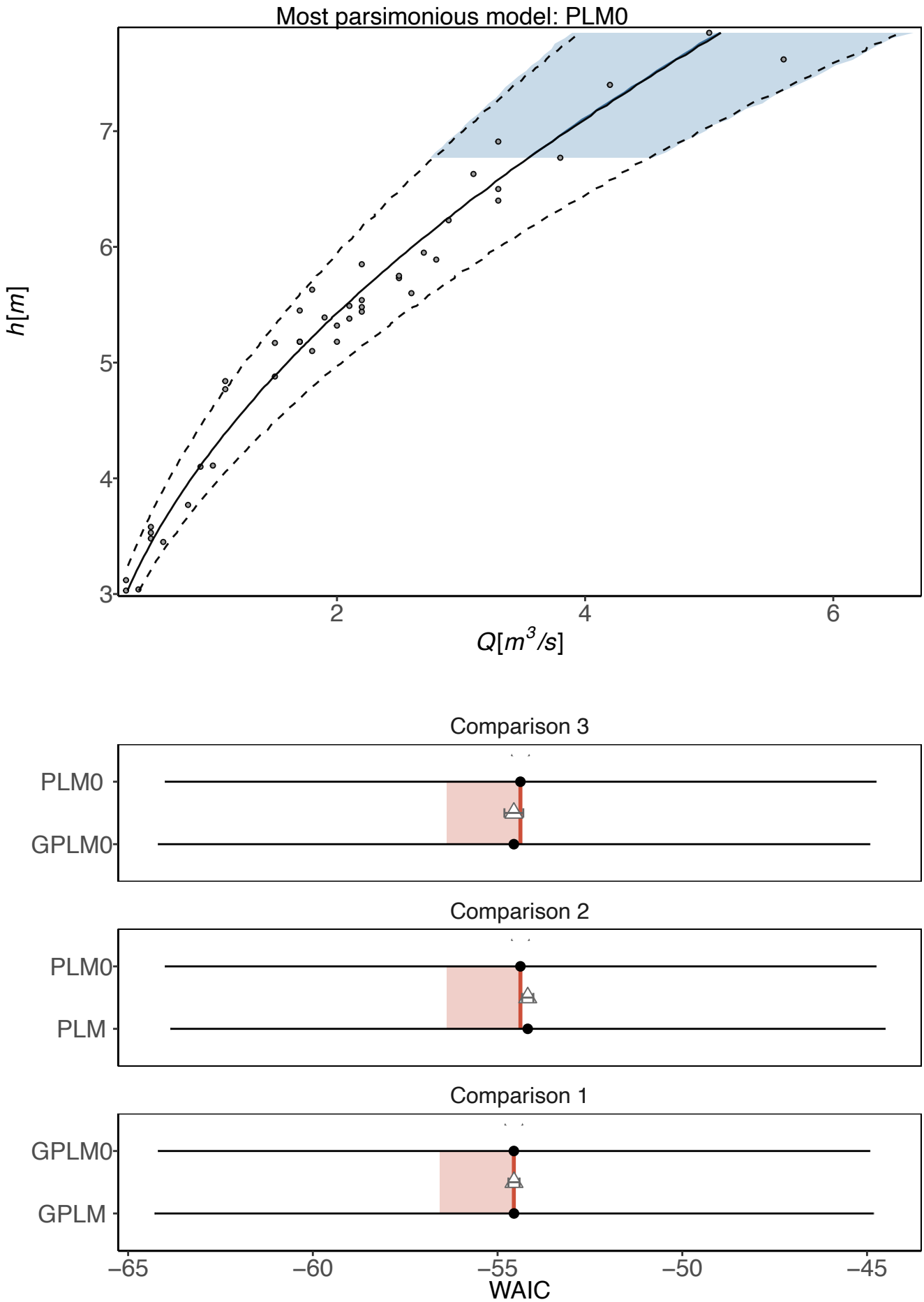
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.15	[0.06; 0.30]	2675	1.00
b	1.92	[1.57; 2.36]	2739	1.00
c	1.57	[0.90; 2.06]	2558	1.00
σ_η	0.08	[0.00; 0.39]	1364	1.01
η_1	–4.23	[–4.70; –3.66]	2176	1.00
η_2	–4.29	[–6.11; –2.45]	2823	1.00
η_3	–4.39	[–6.87; –1.93]	2848	1.00
η_4	–4.57	[–7.61; –1.41]	2798	1.00
η_5	–4.65	[–8.10; –0.86]	2661	1.00
η_6	–4.69	[–8.61; –0.47]	2784	1.00

ofan Landbrotsár, Iceland – PLM0



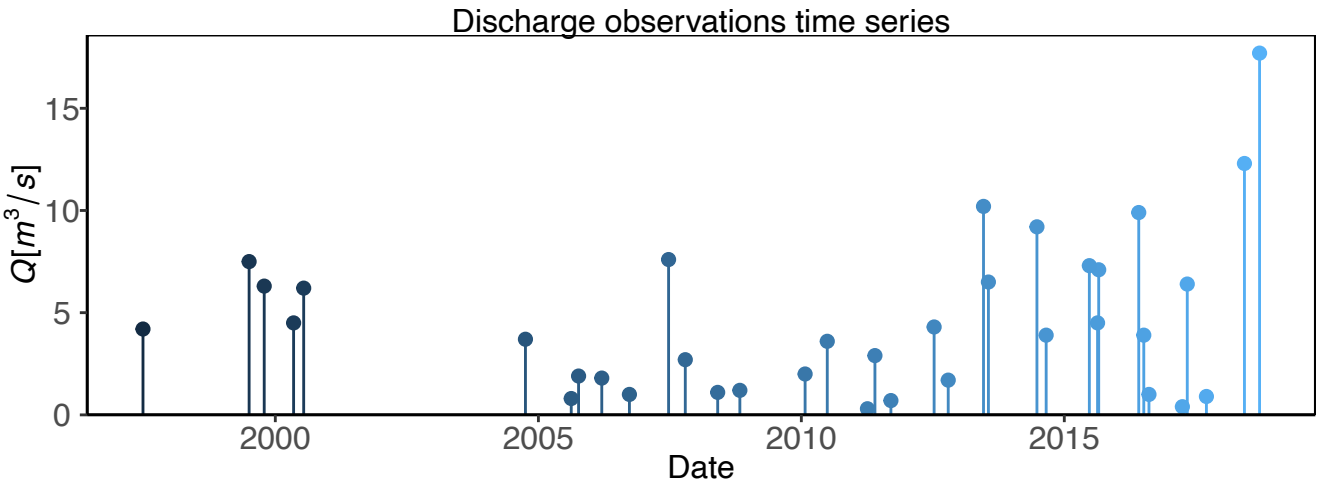
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.15	[0.06; 0.30]	9581	1.00
b	1.92	[1.57; 2.35]	9669	1.00
c	1.56	[0.93; 2.05]	9338	1.00
σ_ε	0.12	[0.10; 0.15]	9196	1.00

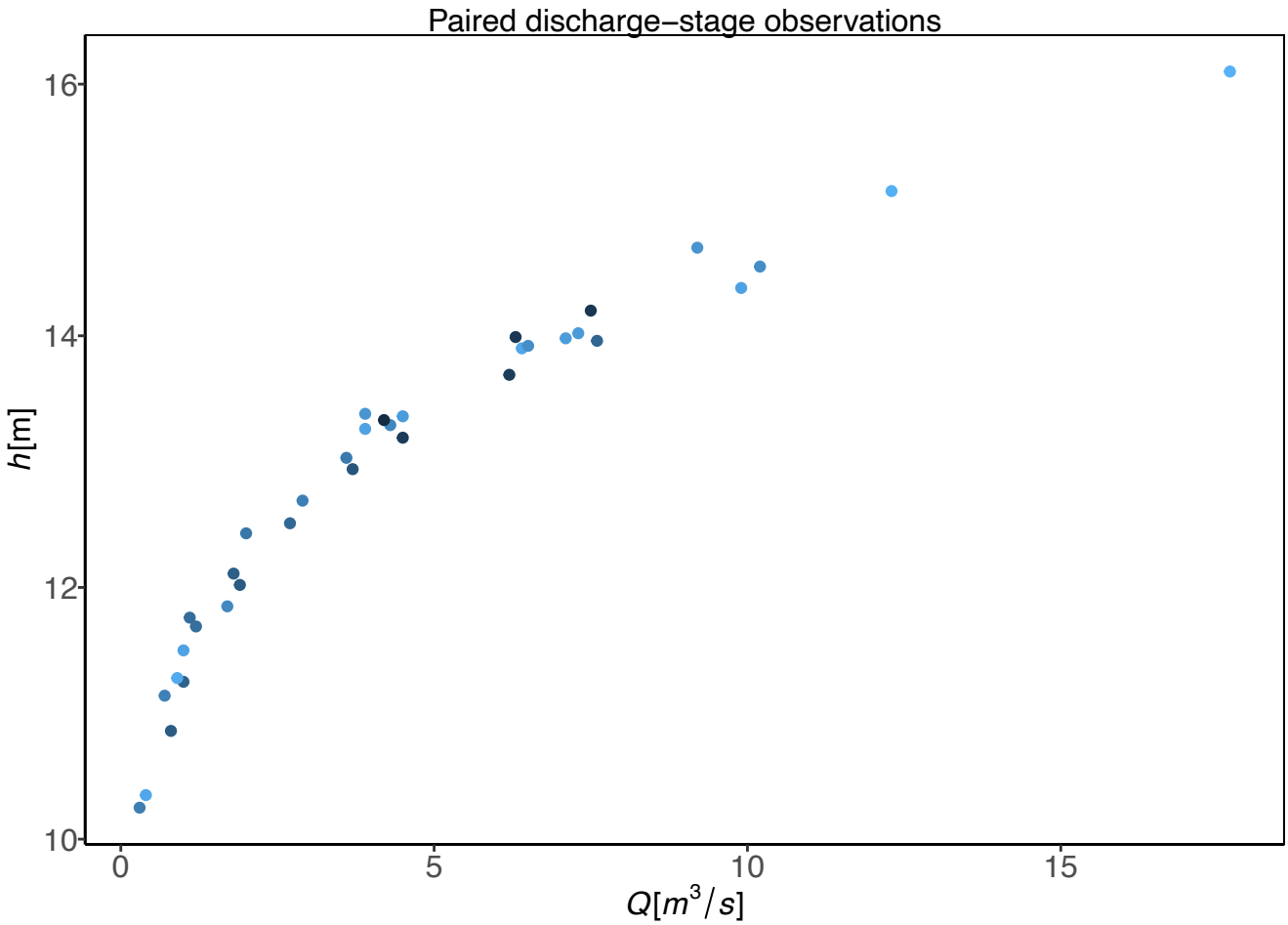
Power−law tournament results for ofan Landbrotsár, Iceland



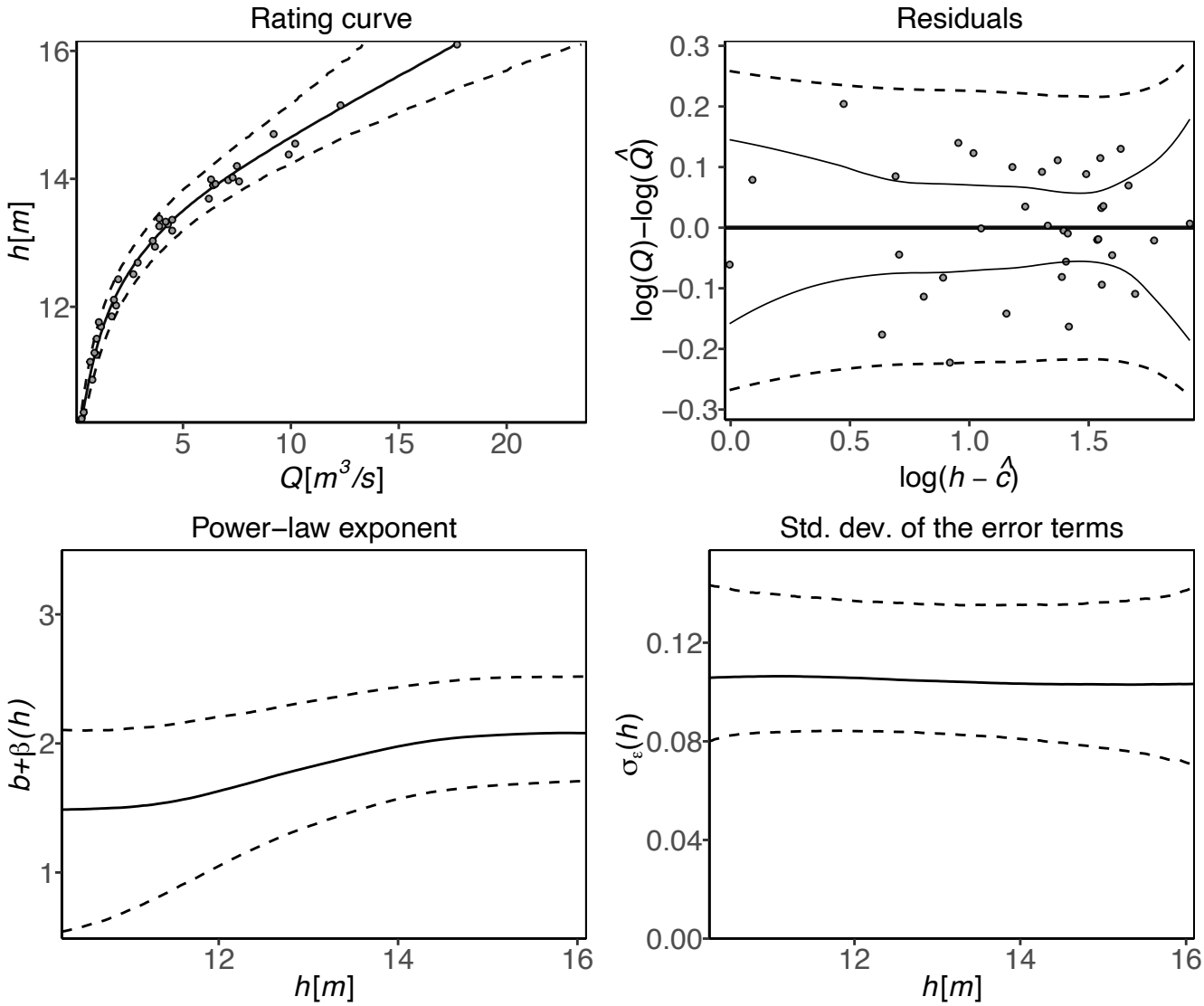
Station name:	Nauteyri
Location:	Iceland
Station number:	V38
Number of observations:	36
Start date:	1997–06–26
End date:	2018–09–18
Max. discharge (m^3/s):	17.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.54
GPLM0	0.36	0.45
PLM	13.72	0.00
PLM0	14.03	0.00



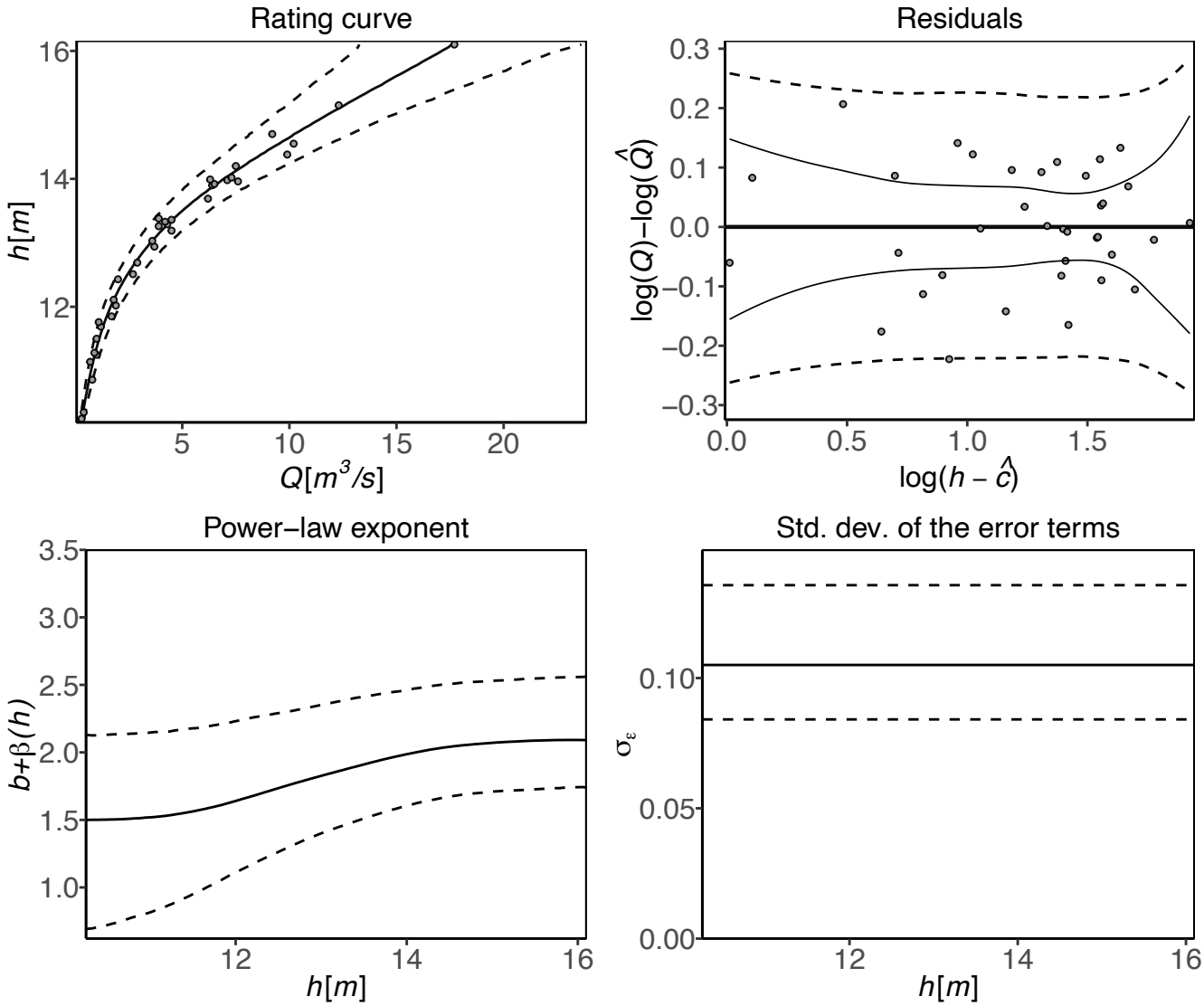


Nauteyri, Iceland – GPLM



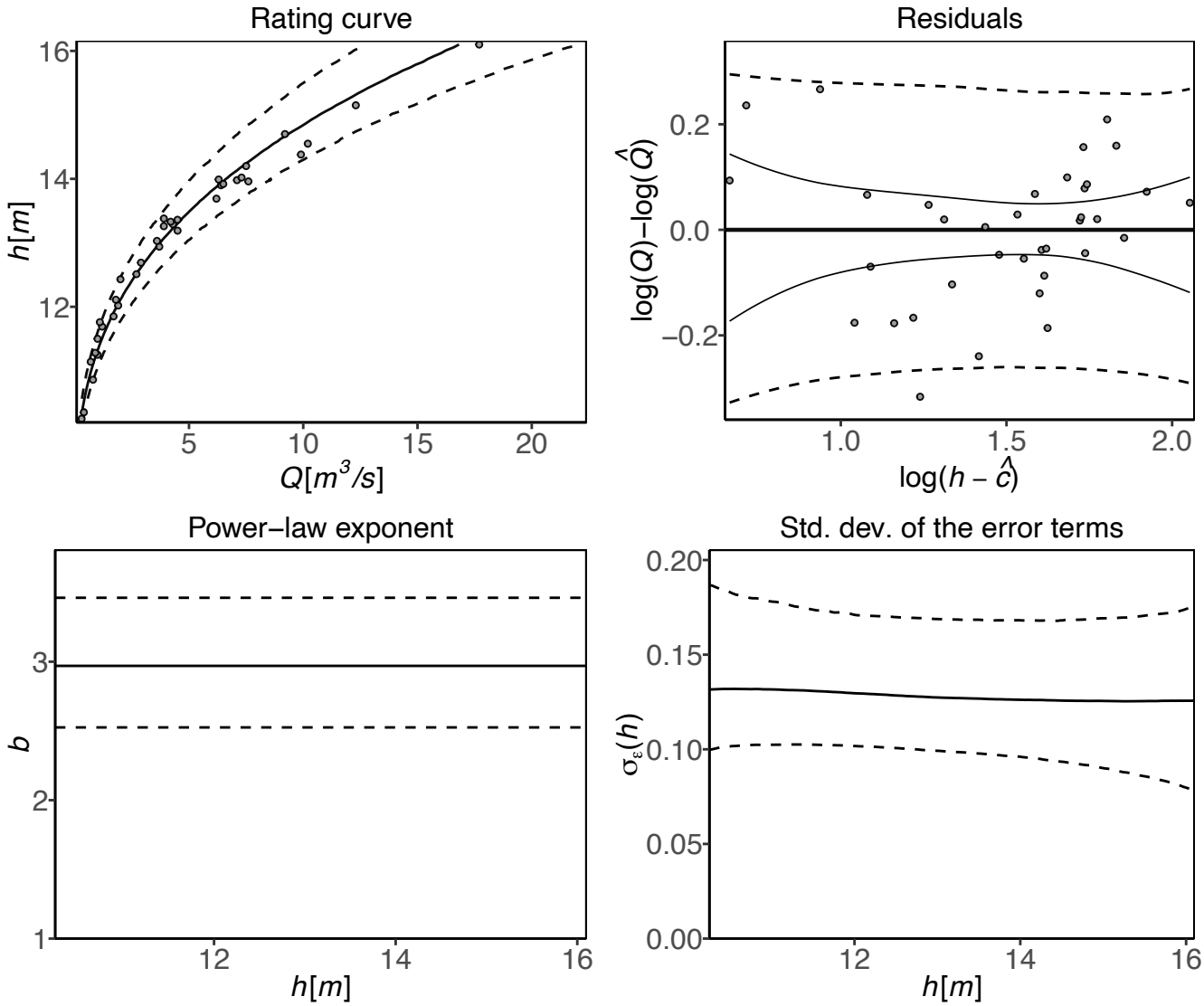
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.32	[0.11; 0.82]	1285	1.01
b	1.83	[1.83; 1.84]	9645	1.00
c	9.25	[8.50; 10.09]	900	1.02
σ_β	0.35	[0.15; 0.92]	1766	1.00
ϕ_β	4.05	[1.48; 9.86]	1984	1.00
σ_η	0.08	[0.00; 0.44]	1654	1.00
η_1	–4.49	[–5.05; –3.89]	1935	1.00
η_2	–4.38	[–6.24; –2.60]	2268	1.00
η_3	–4.54	[–7.05; –2.12]	2301	1.00
η_4	–4.80	[–7.88; –1.67]	2325	1.00
η_5	–4.91	[–8.54; –1.21]	2244	1.00
η_6	–4.87	[–9.07; –0.71]	2353	1.00

Nauteyri, Iceland – GPLM0



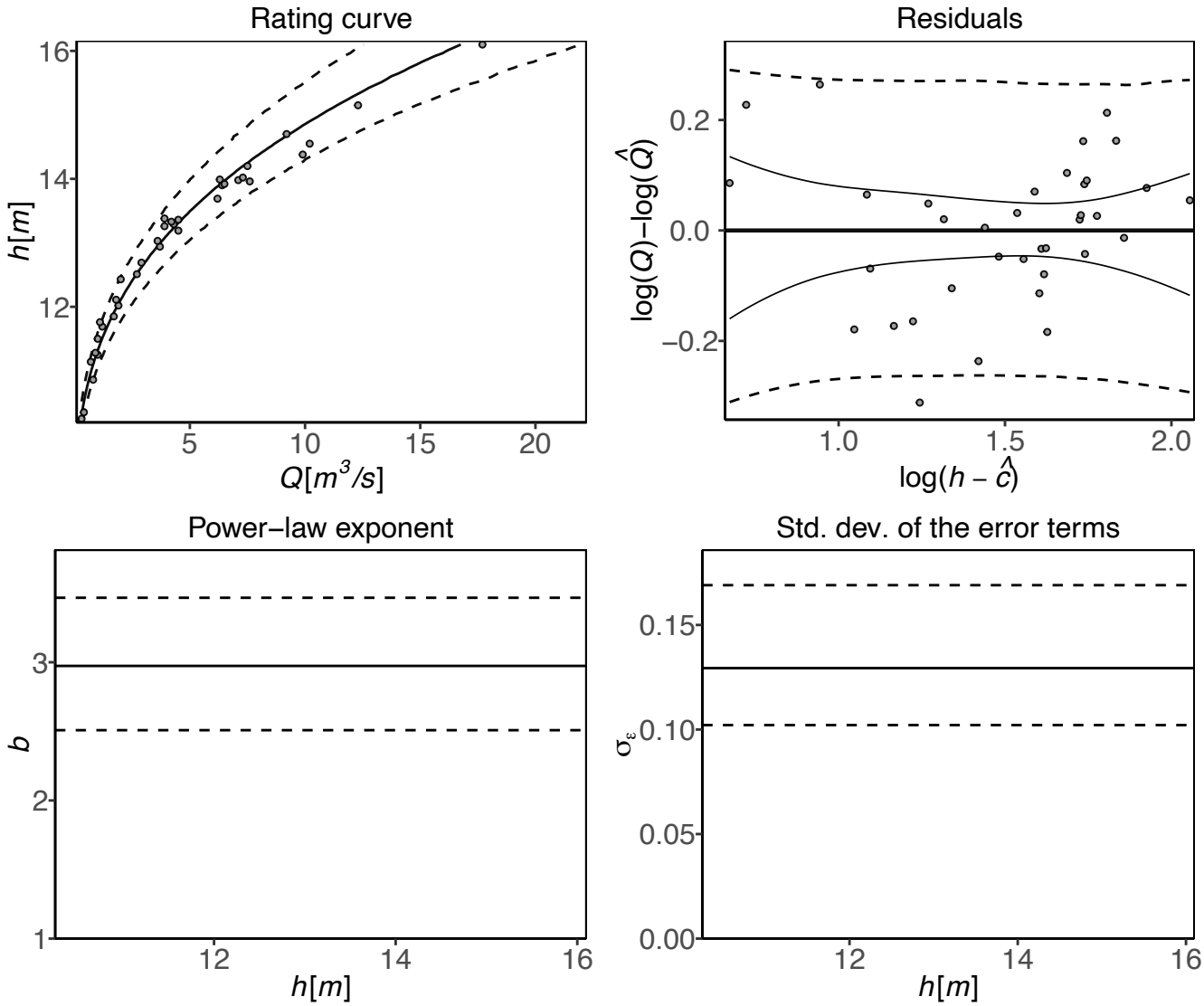
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.31	[0.10; 0.74]	2642	1.00
b	1.84	[1.83; 1.84]	14176	1.00
c	9.24	[8.45; 9.97]	1474	1.00
σ_ε	0.11	[0.08; 0.14]	5275	1.00
σ_β	0.59	[0.39; 0.93]	4117	1.00
ϕ_β	4.08	[1.50; 10.05]	4948	1.00

Nauteyri, Iceland – PLM



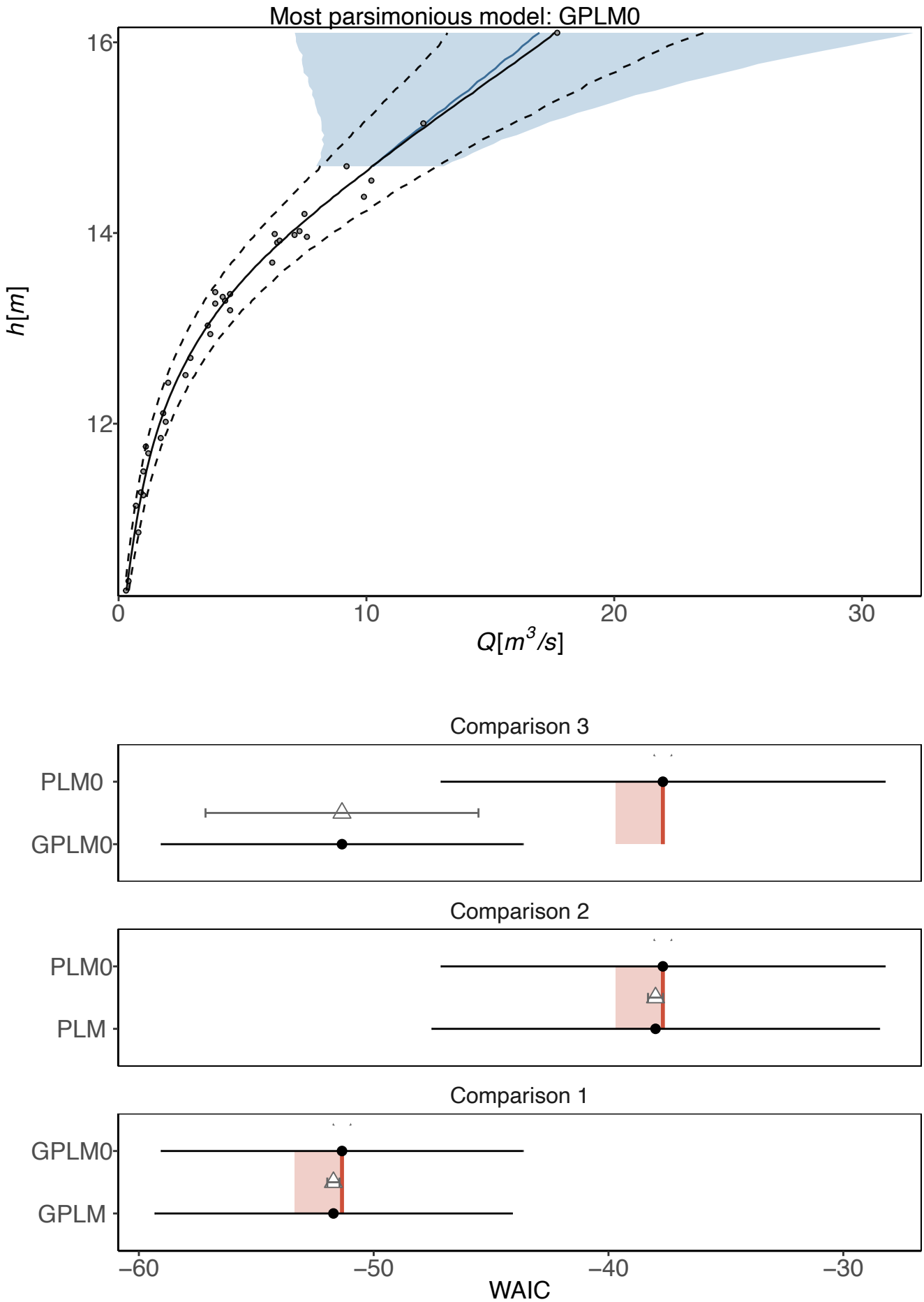
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.04	[0.01; 0.10]	2873	1.00
b	2.97	[2.53; 3.46]	2962	1.00
c	8.31	[7.68; 8.84]	2708	1.00
σ_η	0.09	[0.00; 0.48]	1892	1.00
η_1	–4.06	[–4.61; –3.36]	2378	1.00
η_2	–4.00	[–5.93; –2.17]	2819	1.00
η_3	–4.27	[–6.73; –1.64]	2790	1.00
η_4	–4.56	[–7.61; –1.19]	2984	1.00
η_5	–4.65	[–8.12; –0.79]	2670	1.00
η_6	–4.65	[–8.71; –0.40]	2895	1.00

Nauteyri, Iceland – PLM0



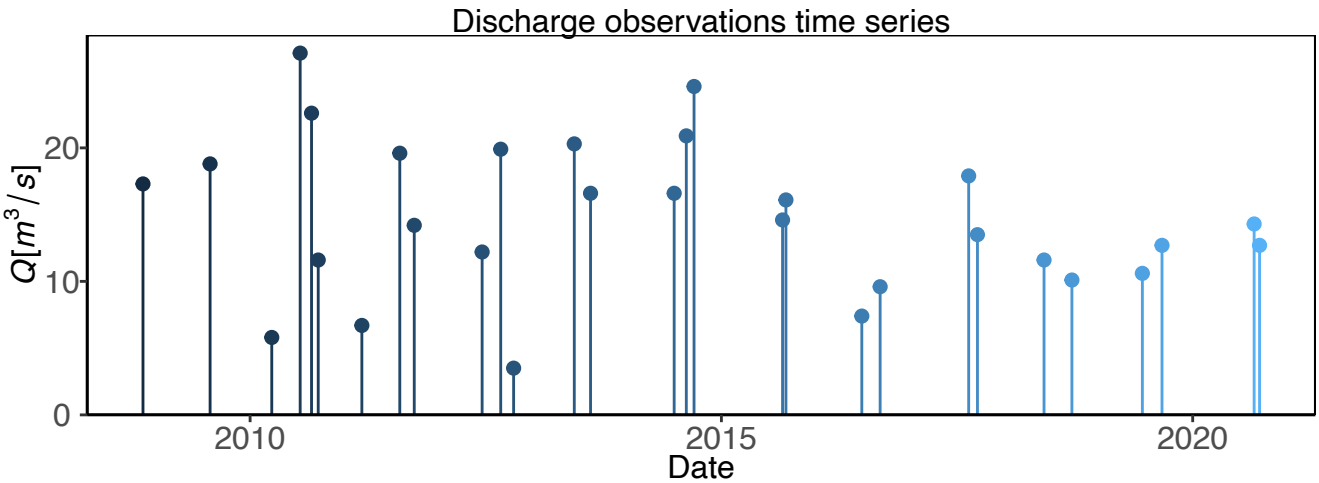
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.04	[0.01; 0.11]	8798	1.00
b	2.97	[2.51; 3.47]	8874	1.00
c	8.29	[7.68; 8.84]	8769	1.00
σ_ε	0.13	[0.10; 0.17]	9527	1.00

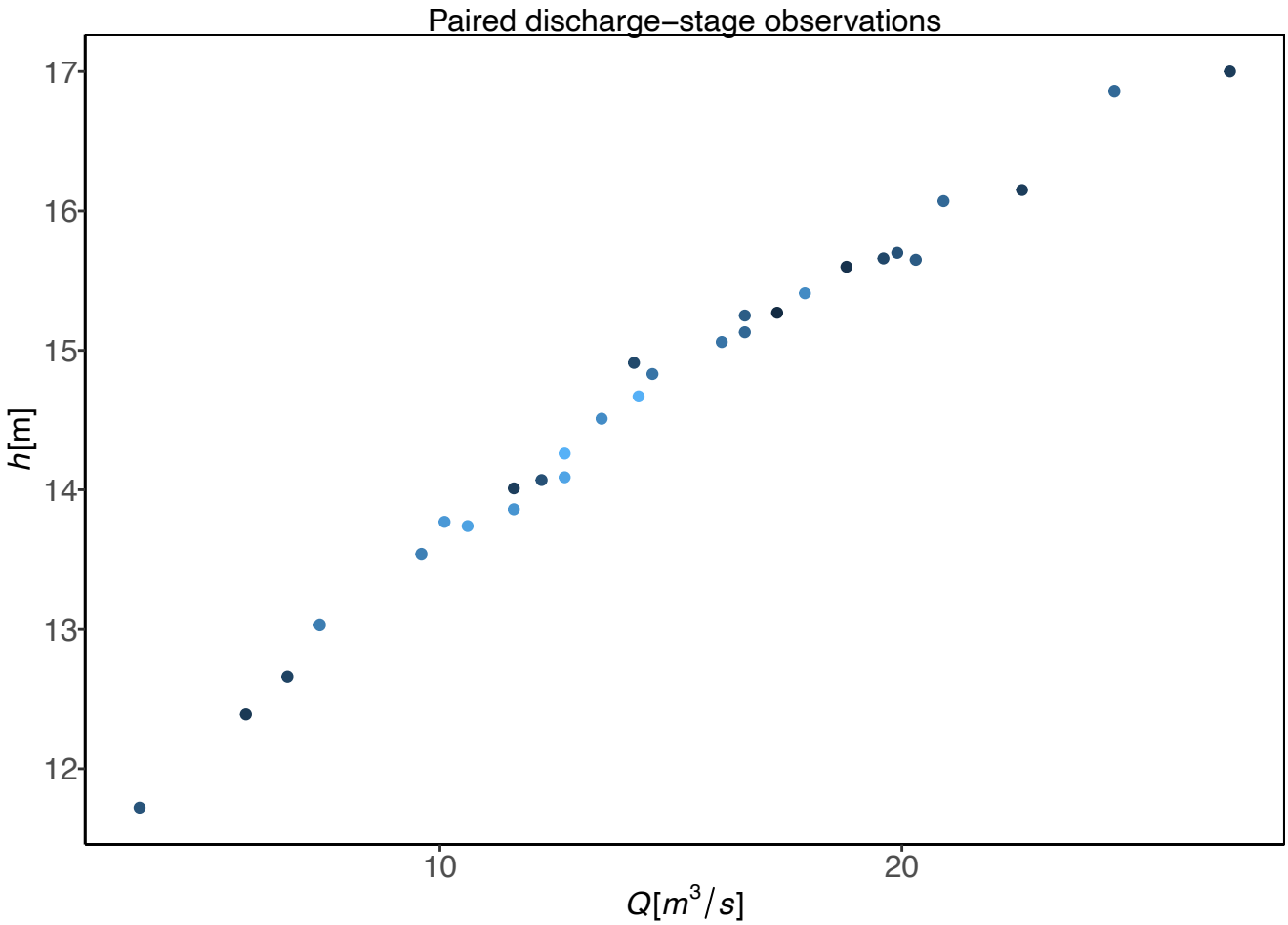
Power−law tournament results for Nauteyri, Iceland



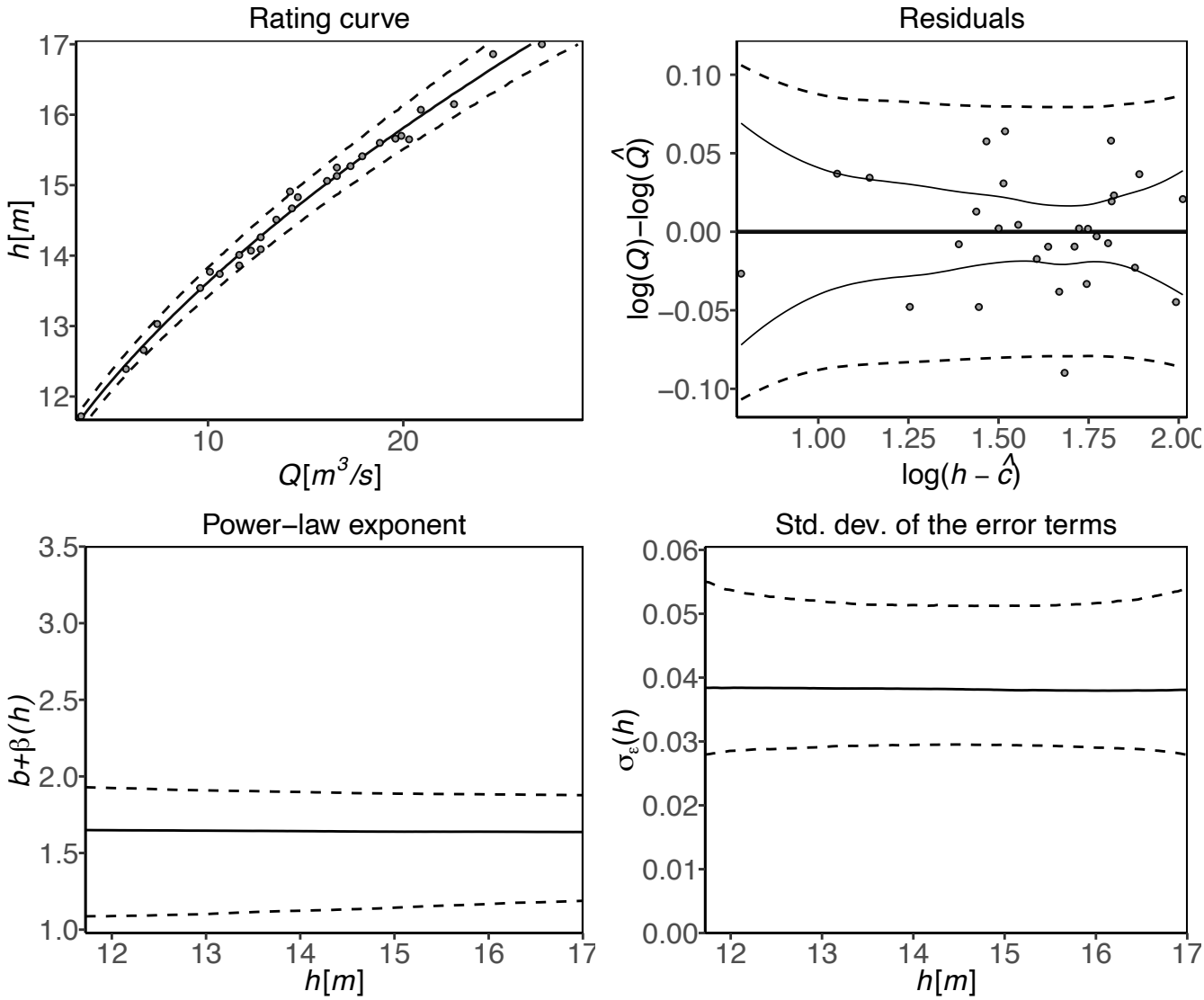
Station name:	Haukadalsheiði
Location:	Iceland
Station number:	V408
Number of observations:	29
Start date:	2008–11–12
End date:	2020–09–16
Max. discharge (m^3/s):	27.1
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	1.22	0.18
GPLM0	1.02	0.20
PLM	0.28	0.29
PLM0	0.00	0.33



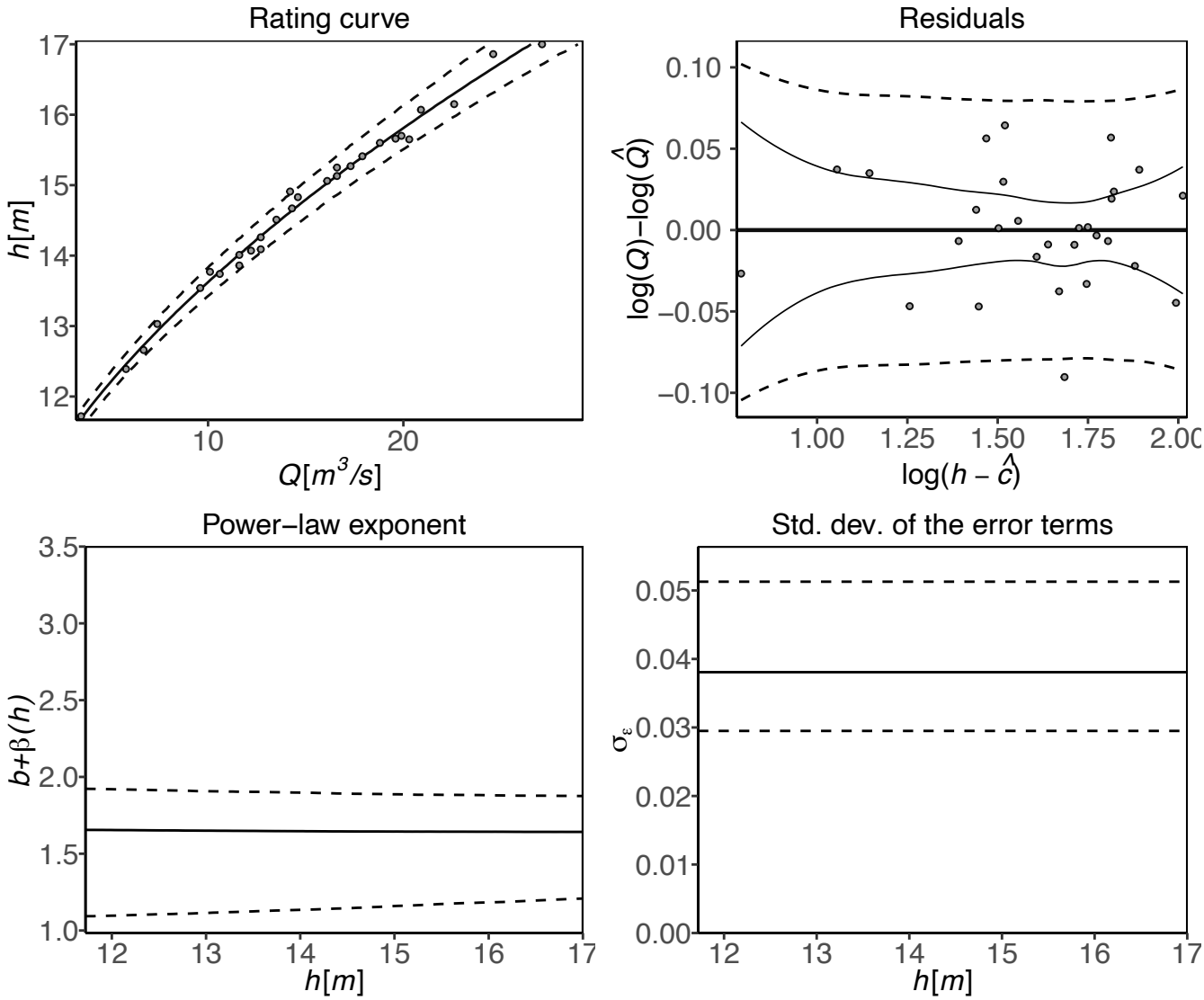


Haukadalsheiði, Iceland – GPLM



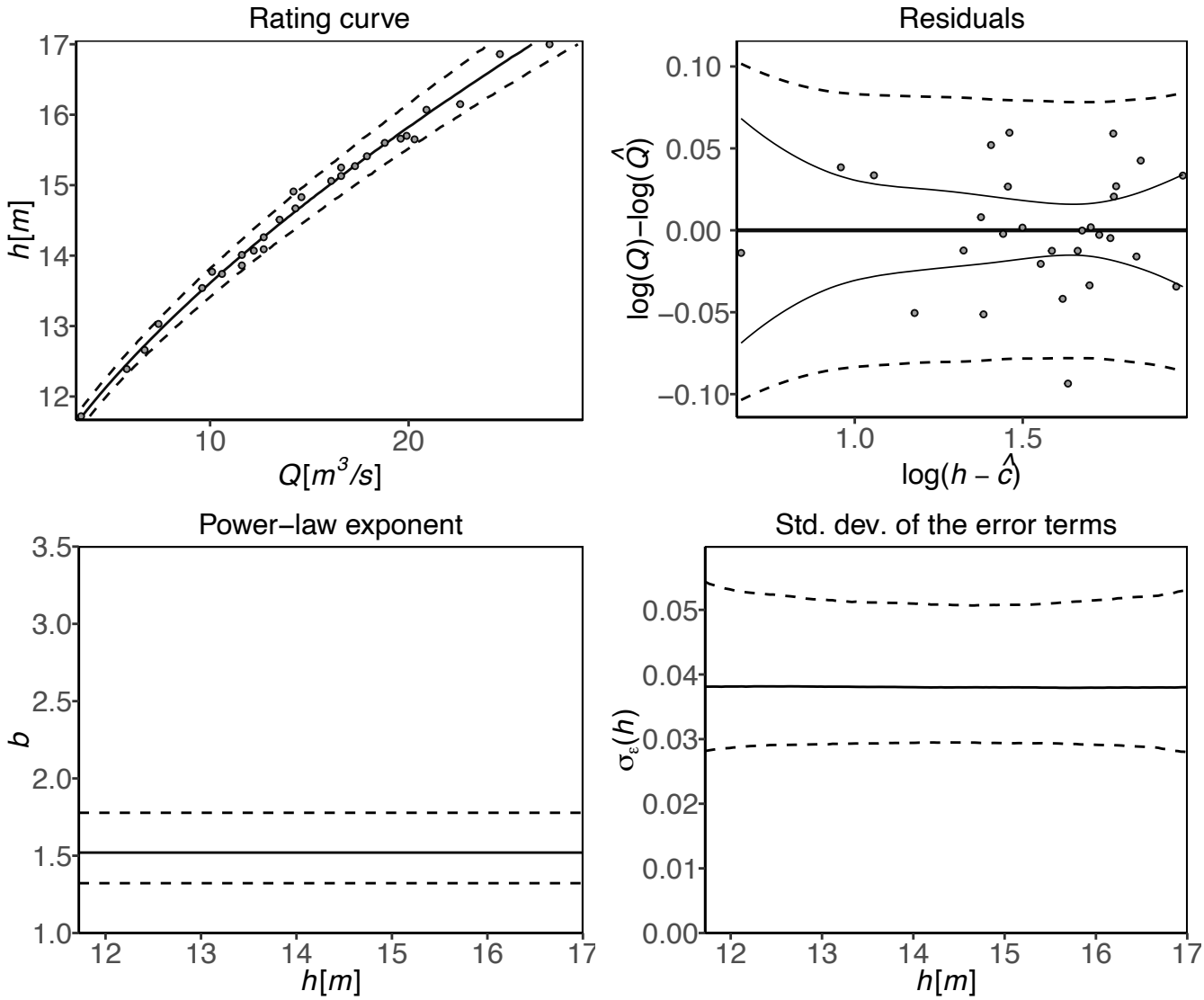
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.98	[0.54; 2.88]	1485	1.01
b	1.83	[1.83; 1.84]	8237	1.00
c	9.53	[8.89; 10.54]	1267	1.01
σ_β	0.19	[0.01; 0.69]	1185	1.01
ϕ_β	53.19	[1.64; 29224.31]	1119	1.01
σ_η	0.08	[0.00; 0.39]	1318	1.01
η_1	−6.52	[−7.15; −5.80]	1683	1.00
η_2	−6.49	[−8.38; −4.65]	2167	1.00
η_3	−6.54	[−8.96; −3.99]	2026	1.00
η_4	−6.57	[−9.63; −3.51]	2076	1.00
η_5	−6.64	[−10.16; −3.00]	2046	1.00
η_6	−6.53	[−10.61; −2.45]	2047	1.00

Haukadalsheiði, Iceland – GPLM0



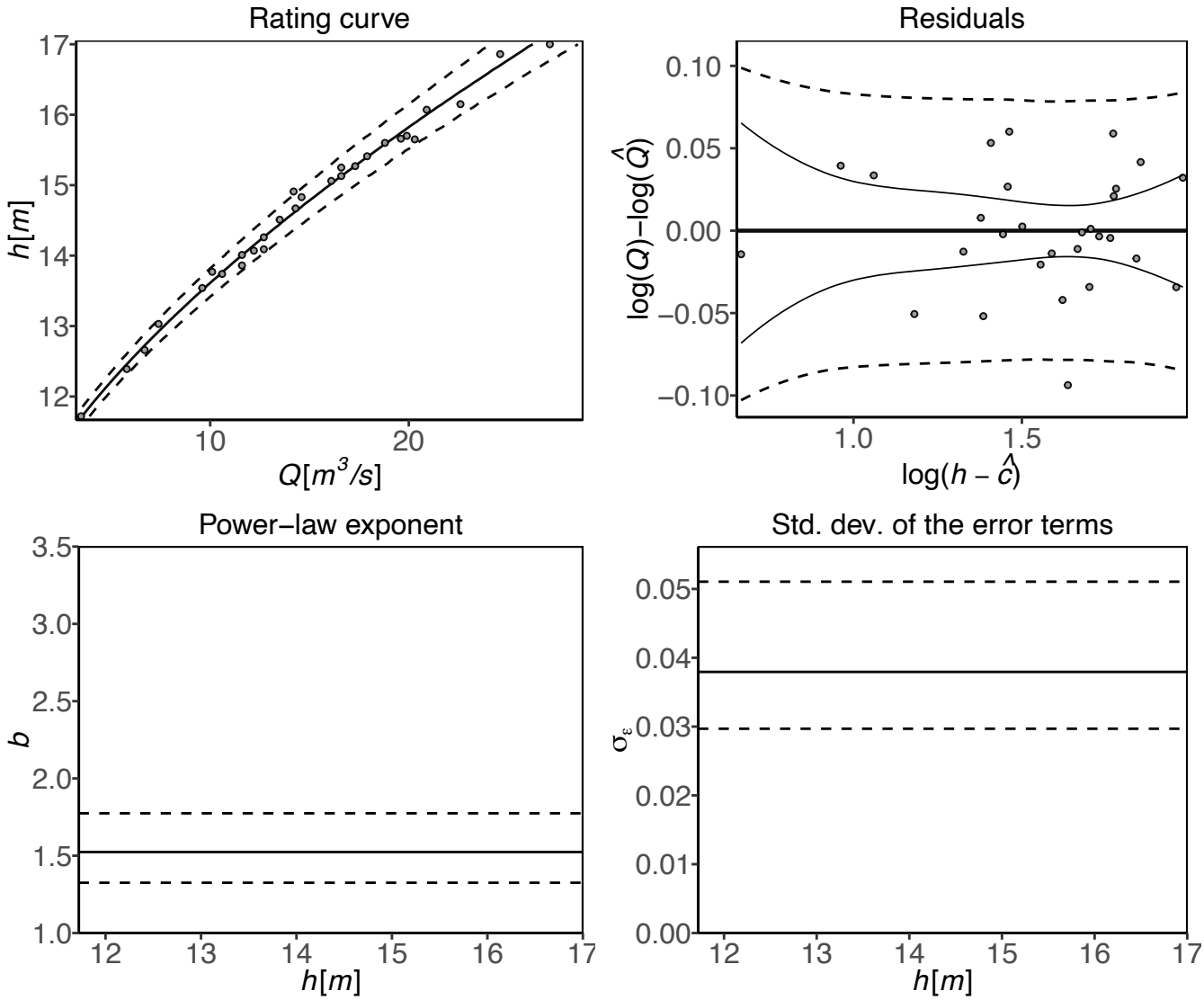
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.97	[0.54; 2.77]	2378	1.00
b	1.83	[1.83; 1.84]	10006	1.00
c	9.52	[8.89; 10.49]	1890	1.00
σ_ε	0.04	[0.03; 0.05]	4119	1.00
σ_β	0.44	[0.09; 0.83]	1203	1.01
ϕ_β	50.04	[1.58; 48797.18]	1675	1.00

Haukadalsheiði, Iceland – PLM



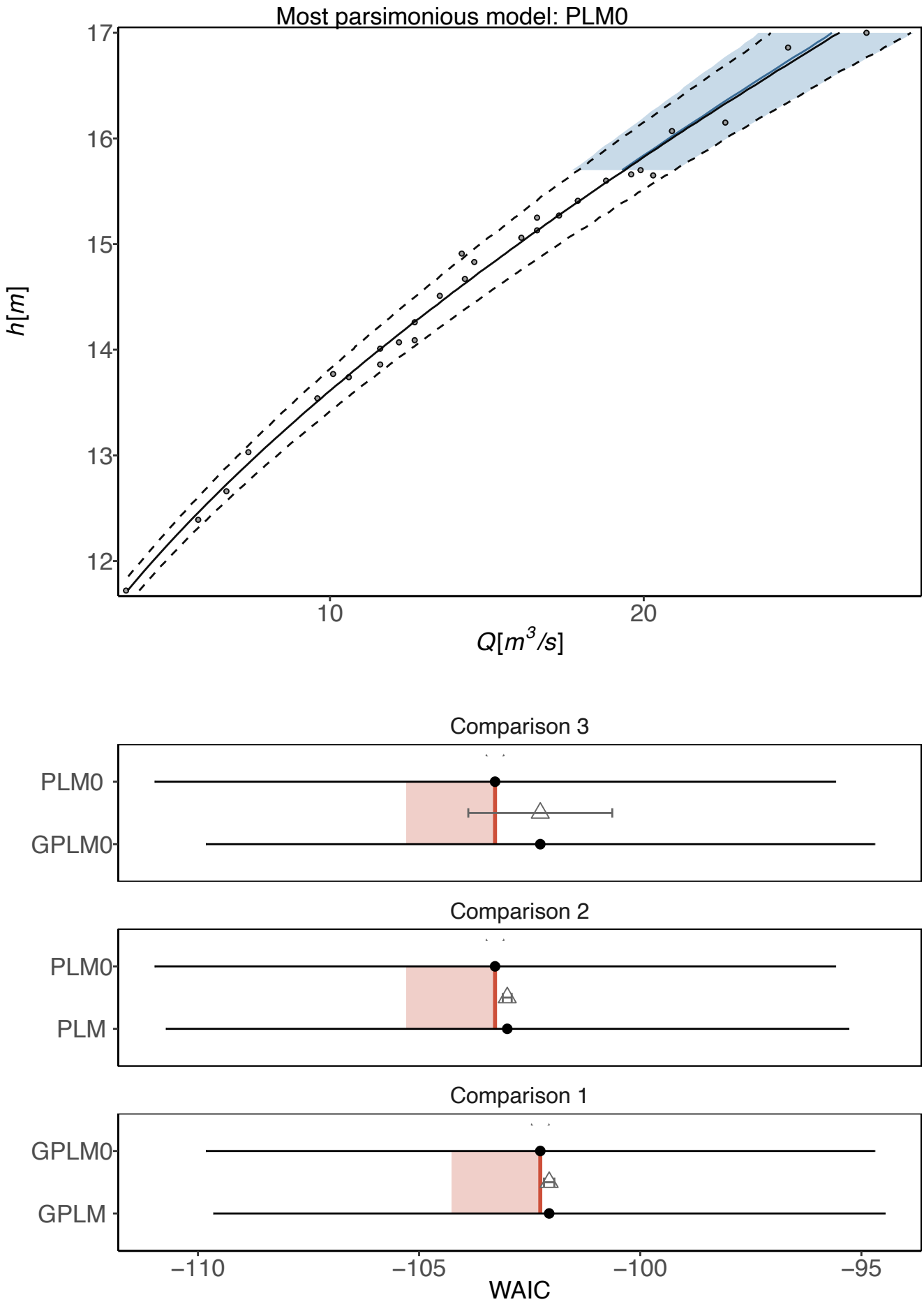
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.30	[0.69; 2.04]	2551	1.00
b	1.52	[1.32; 1.78]	2608	1.00
c	9.78	[9.14; 10.25]	2491	1.00
σ_η	0.08	[0.00; 0.38]	1920	1.00
η_1	–6.53	[–7.14; –5.82]	2326	1.00
η_2	–6.50	[–8.40; –4.68]	2795	1.00
η_3	–6.55	[–9.09; –3.98]	2767	1.00
η_4	–6.56	[–9.71; –3.46]	2734	1.00
η_5	–6.55	[–10.27; –2.90]	2780	1.00
η_6	–6.55	[–10.75; –2.43]	2758	1.00

Haukadalsheiði, Iceland – PLM0



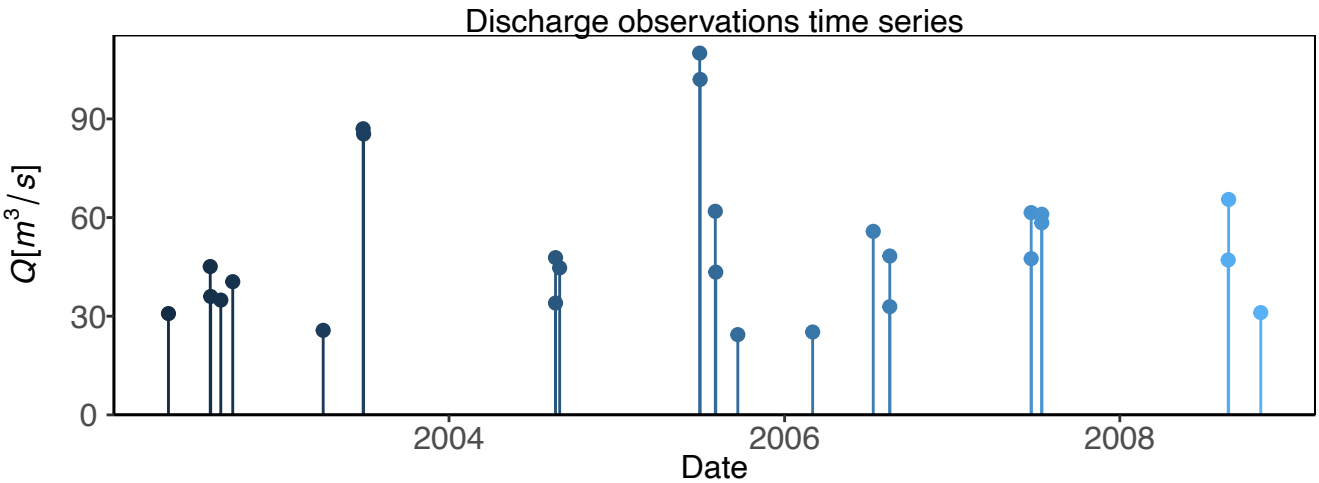
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.29	[0.70; 2.03]	9204	1.00
b	1.52	[1.33; 1.77]	9331	1.00
c	9.77	[9.16; 10.25]	8816	1.00
σ_ε	0.04	[0.03; 0.05]	9102	1.00

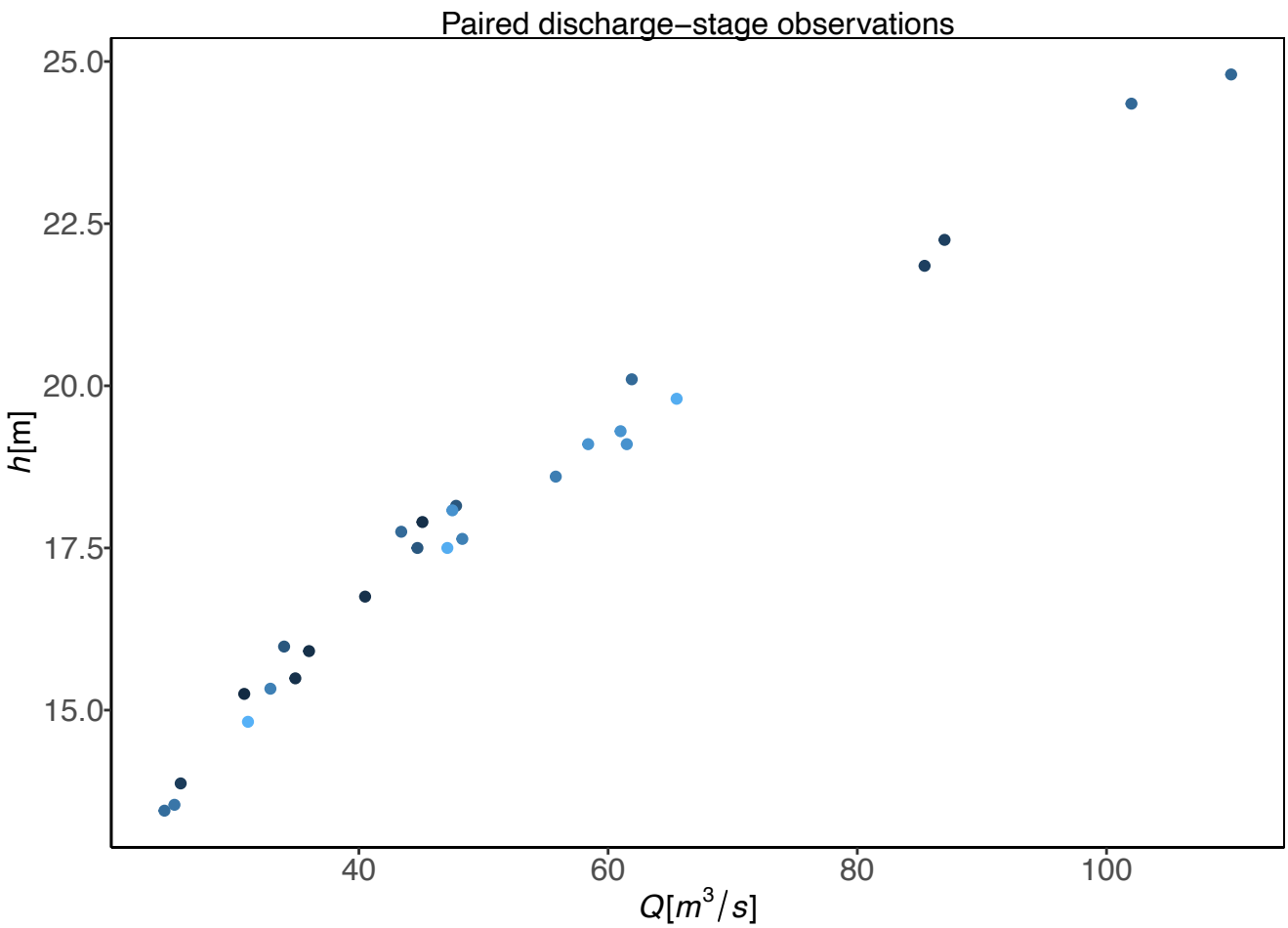
Power−law tournament results for Haukadalsheiði, Iceland



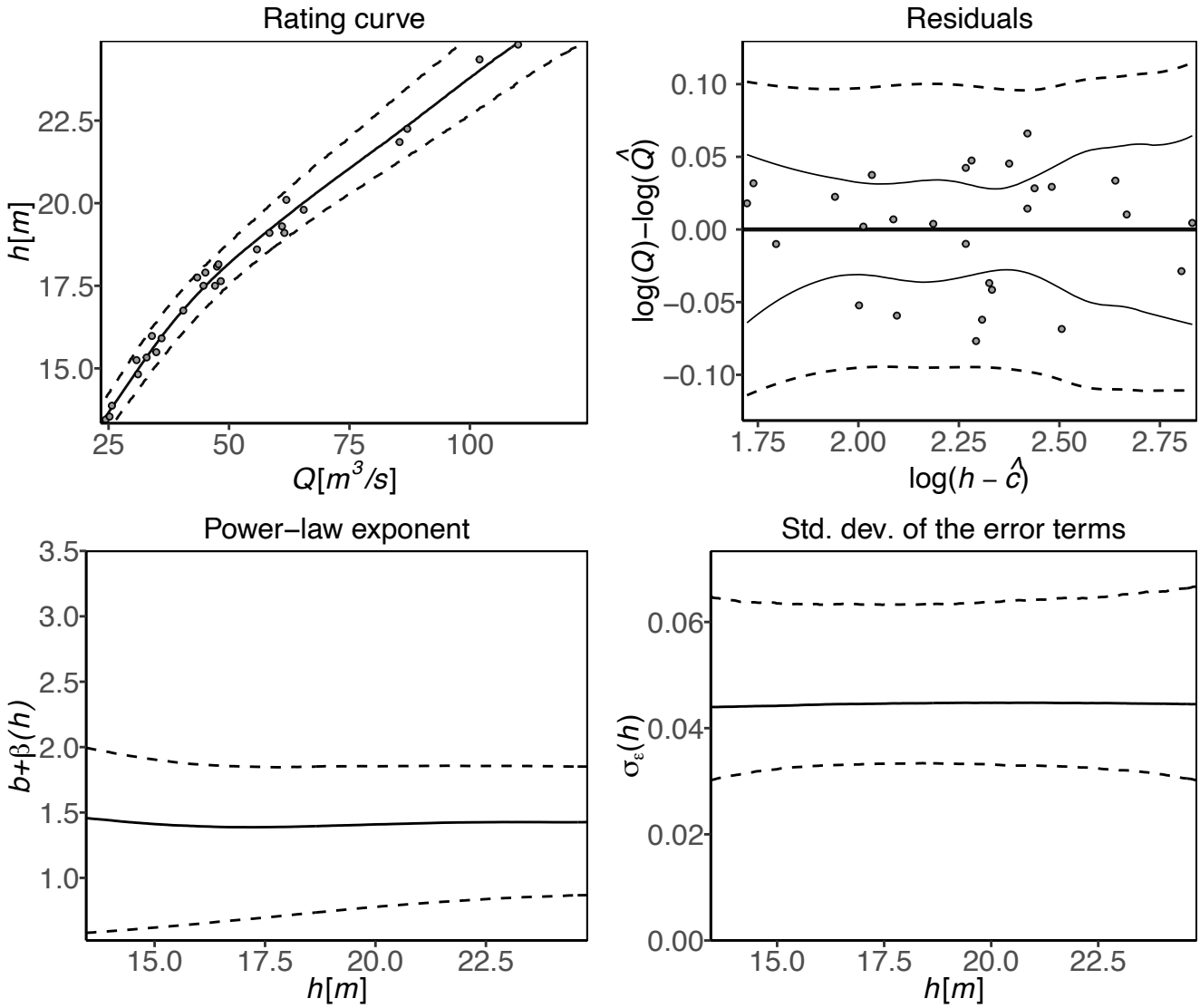
Station name:	Emstrur
Location:	Iceland
Station number:	V418
Number of observations:	27
Start date:	2002–04–30
End date:	2008–11–03
Max. discharge (m^3/s):	110
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.68
GPLM0	1.50	0.32
PLM	13.29	0.00
PLM0	13.10	0.00



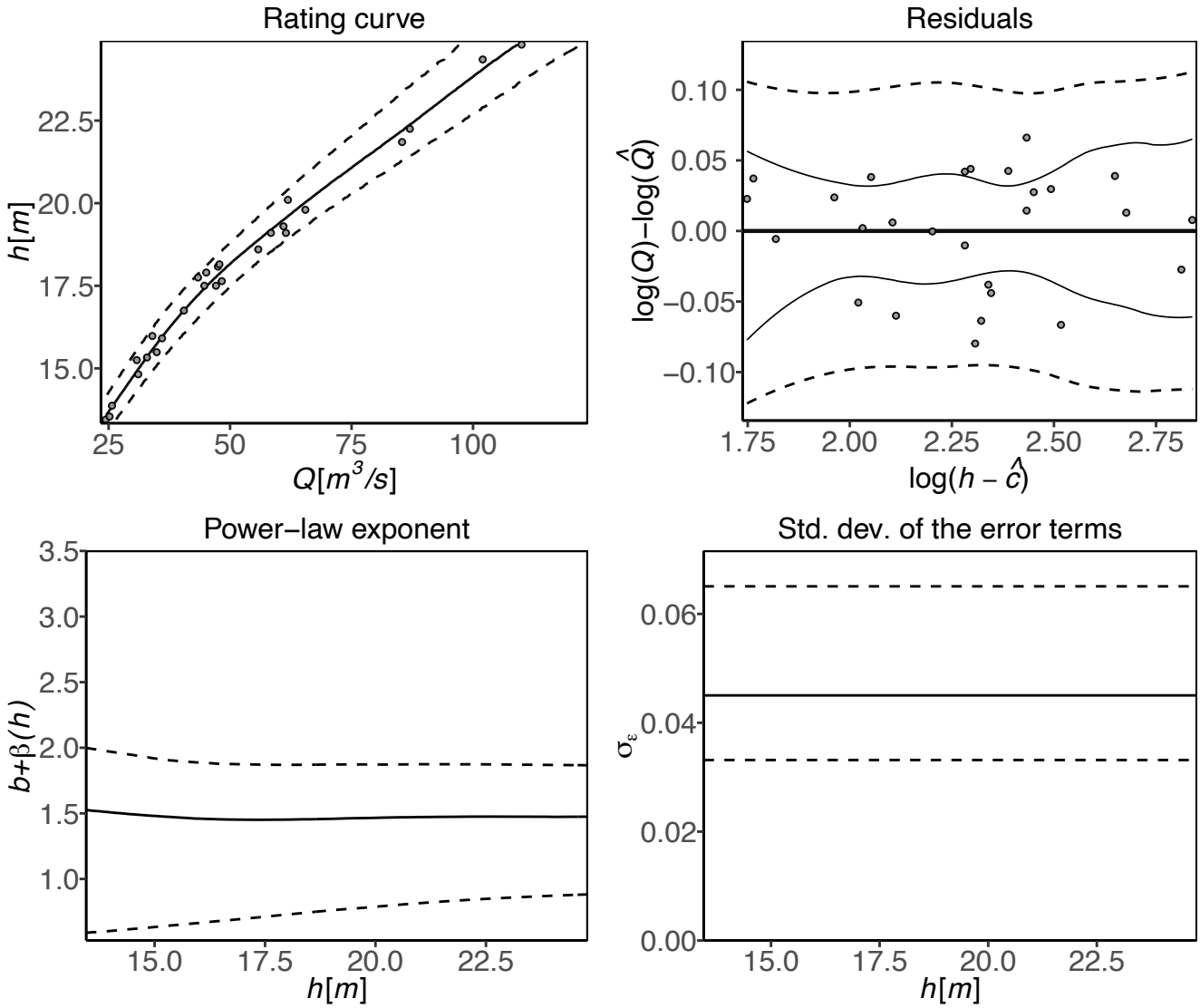


Emstrur, Iceland – GPLM



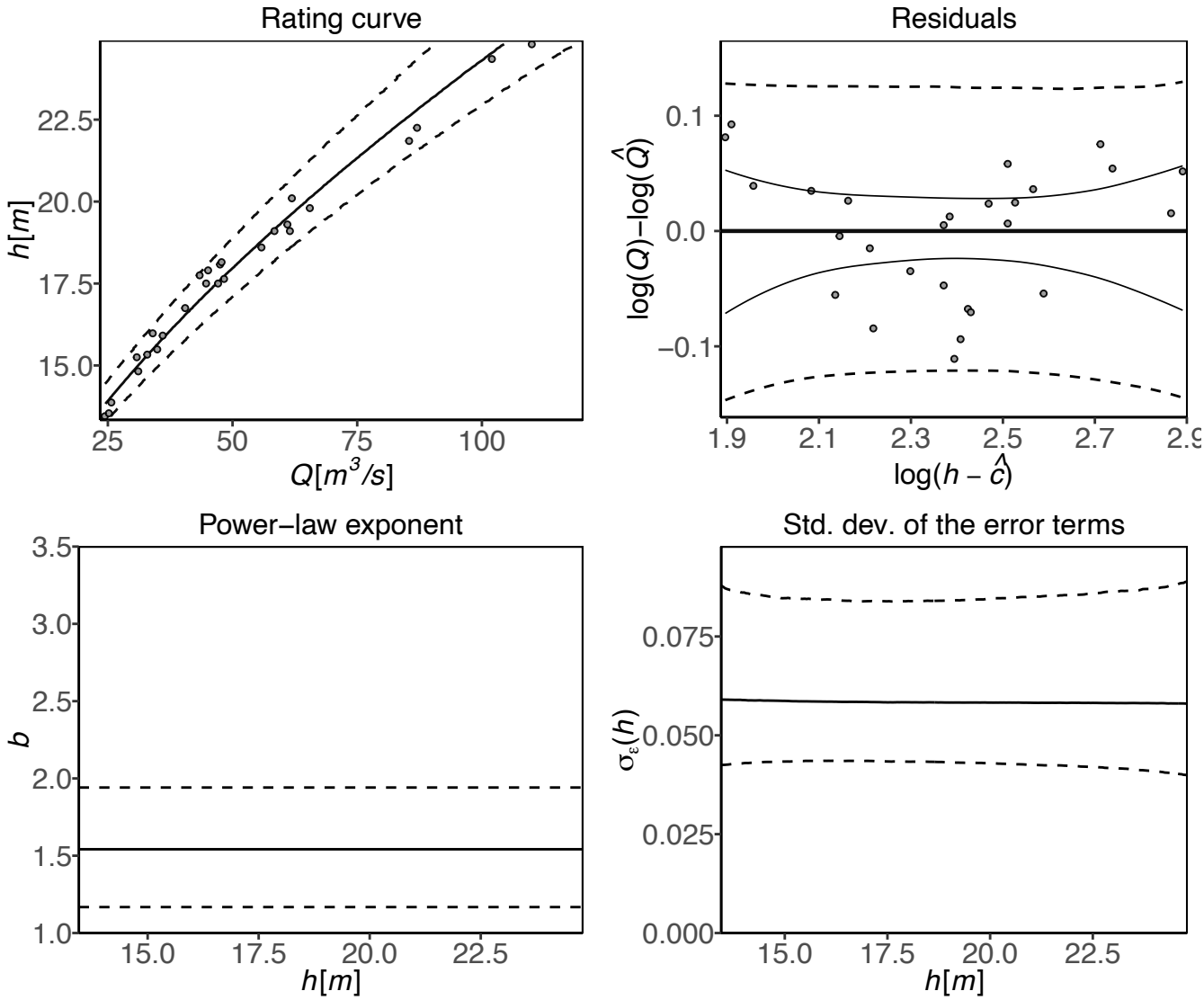
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.92	[0.44; 9.58]	1949	1.00
b	1.83	[1.83; 1.84]	9207	1.00
c	7.85	[4.65; 8.70]	1381	1.00
σ_β	0.32	[0.03; 0.92]	1361	1.00
ϕ_β	14.19	[2.81; 81.41]	1174	1.01
σ_η	0.08	[0.00; 0.42]	1417	1.00
η_1	–6.25	[–7.00; –5.47]	1629	1.00
η_2	–6.14	[–8.13; –4.25]	2096	1.00
η_3	–6.03	[–8.67; –3.46]	2096	1.00
η_4	–6.07	[–9.32; –2.85]	2189	1.00
η_5	–6.08	[–9.77; –2.42]	2166	1.00
η_6	–6.12	[–10.33; –1.95]	2275	1.00

Emstrur, Iceland – GPLM0



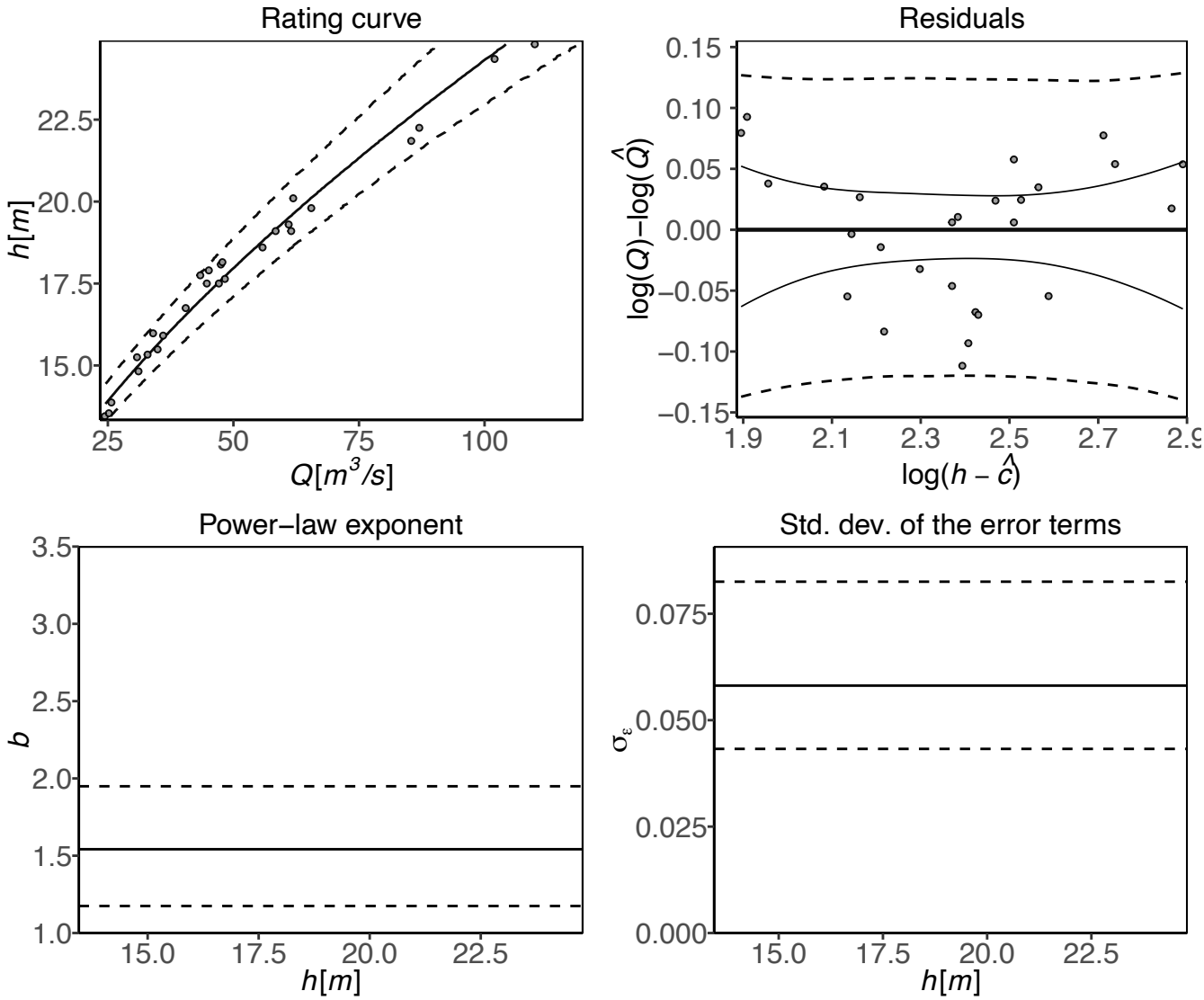
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.67	[0.40; 9.27]	2288	1.03
b	1.83	[1.83; 1.84]	9774	1.00
c	7.71	[4.47; 8.70]	1878	1.03
σ_ε	0.05	[0.03; 0.07]	2290	1.02
σ_β	0.54	[0.13; 0.94]	1449	1.04
ϕ_β	15.58	[2.51; 9342.03]	821	1.15

Emstrur, Iceland – PLM



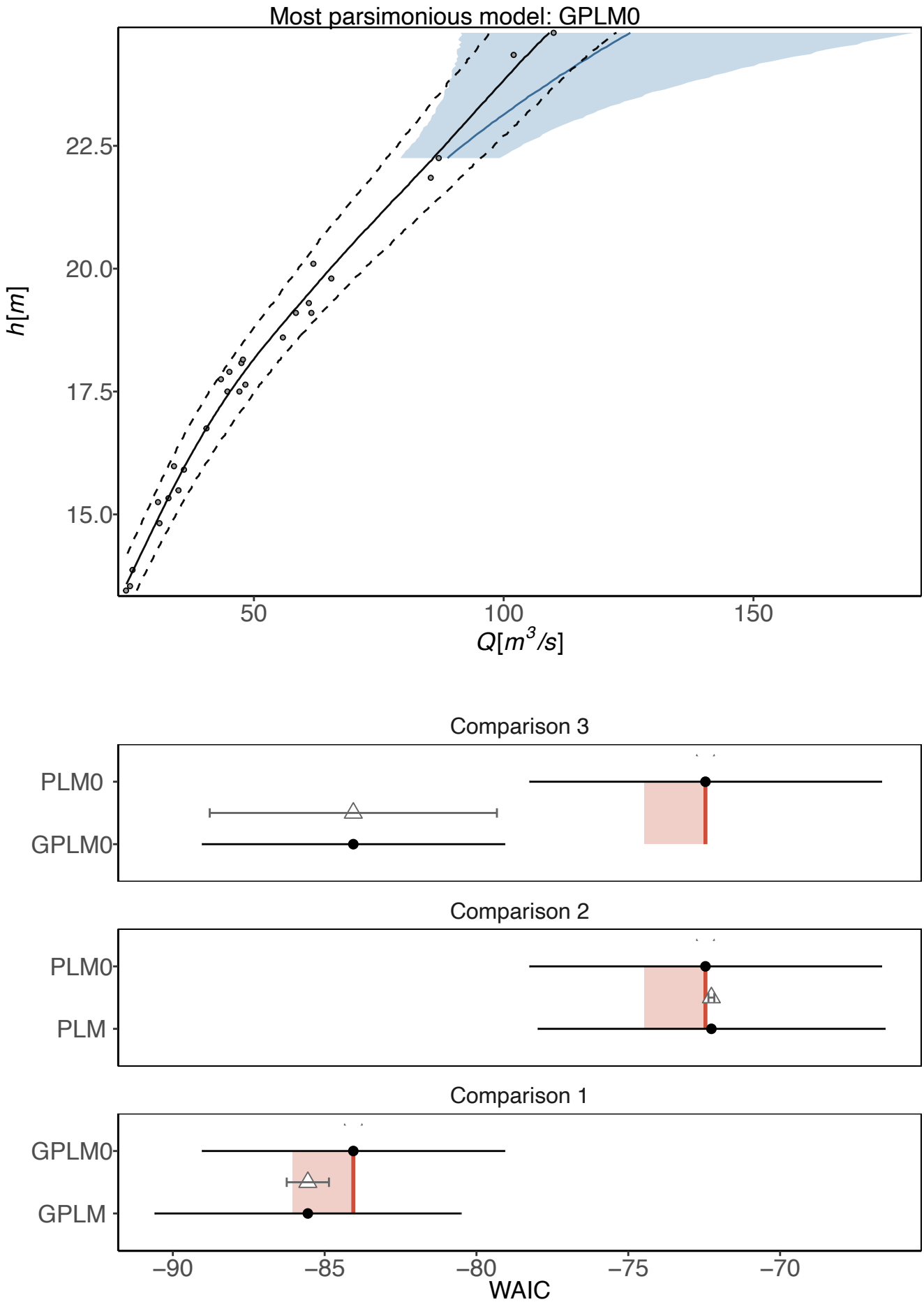
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.20	[0.30; 3.97]	2582	1.00
b	1.54	[1.17; 1.94]	2606	1.00
c	6.79	[4.10; 9.24]	2371	1.00
σ_η	0.08	[0.00; 0.41]	1602	1.00
η_1	–5.66	[–6.32; –4.86]	2329	1.00
η_2	–5.73	[–7.63; –3.74]	3123	1.00
η_3	–5.78	[–8.35; –3.13]	2735	1.00
η_4	–5.84	[–8.96; –2.52]	2777	1.00
η_5	–5.85	[–9.62; –2.08]	2909	1.00
η_6	–5.89	[–10.08; –1.55]	2730	1.00

Emstrur, Iceland – PLM0



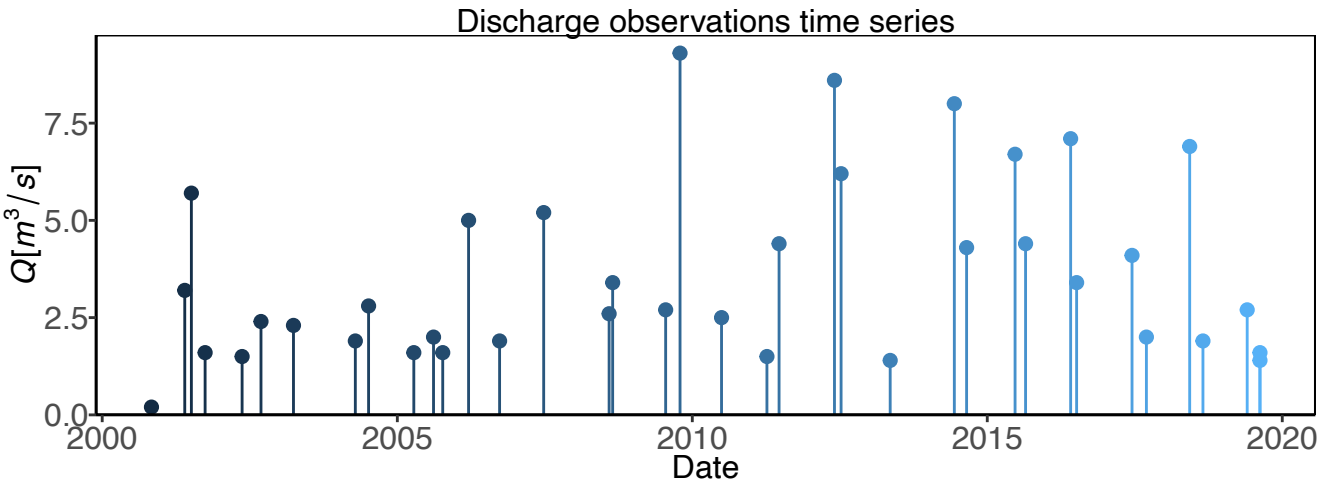
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.21	[0.29; 3.91]	8818	1.00
b	1.54	[1.17; 1.95]	8863	1.00
c	6.80	[4.03; 9.14]	8402	1.00
σ_ε	0.06	[0.04; 0.08]	10241	1.00

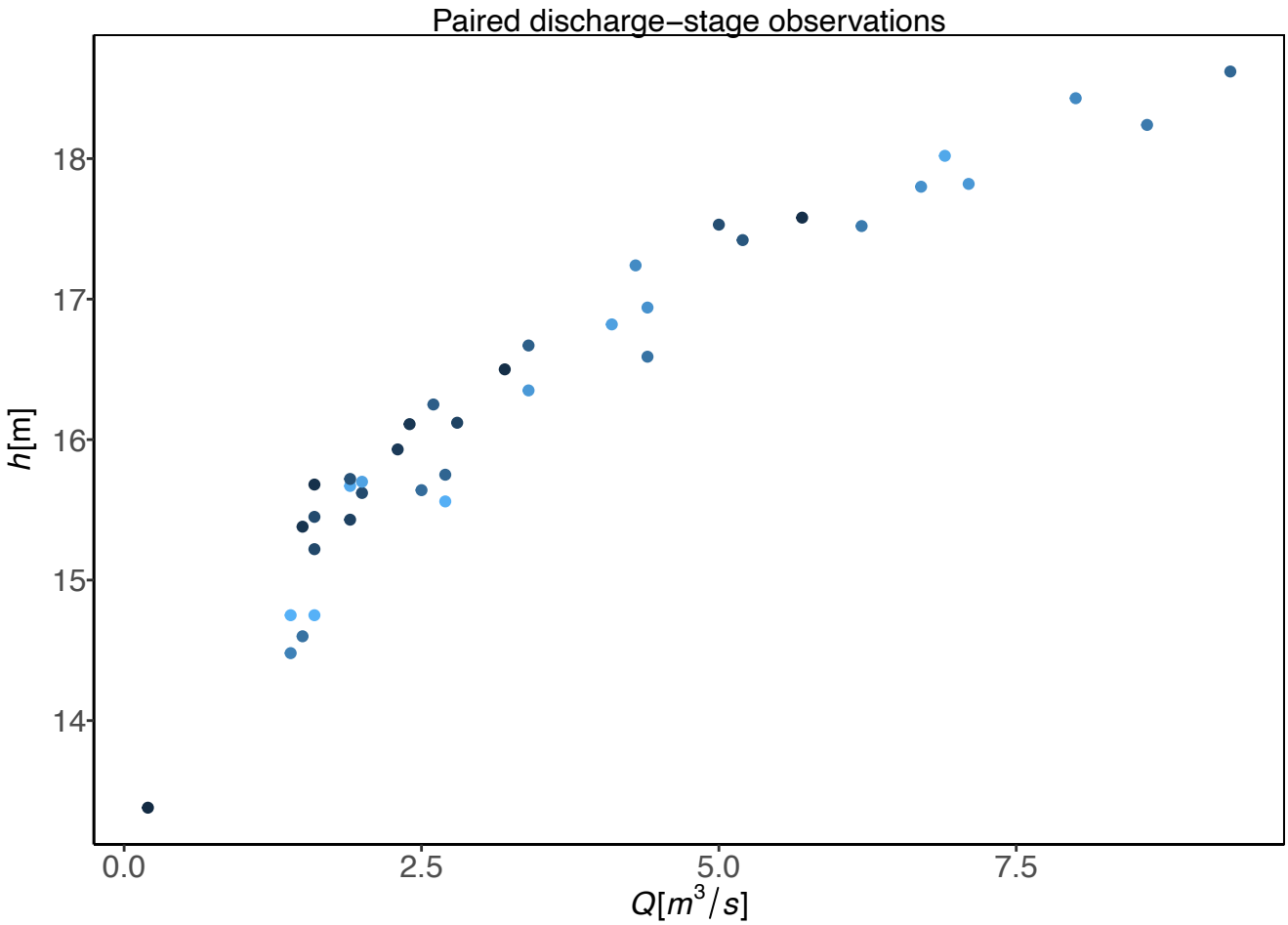
Power−law tournament results for Emstrur, Iceland



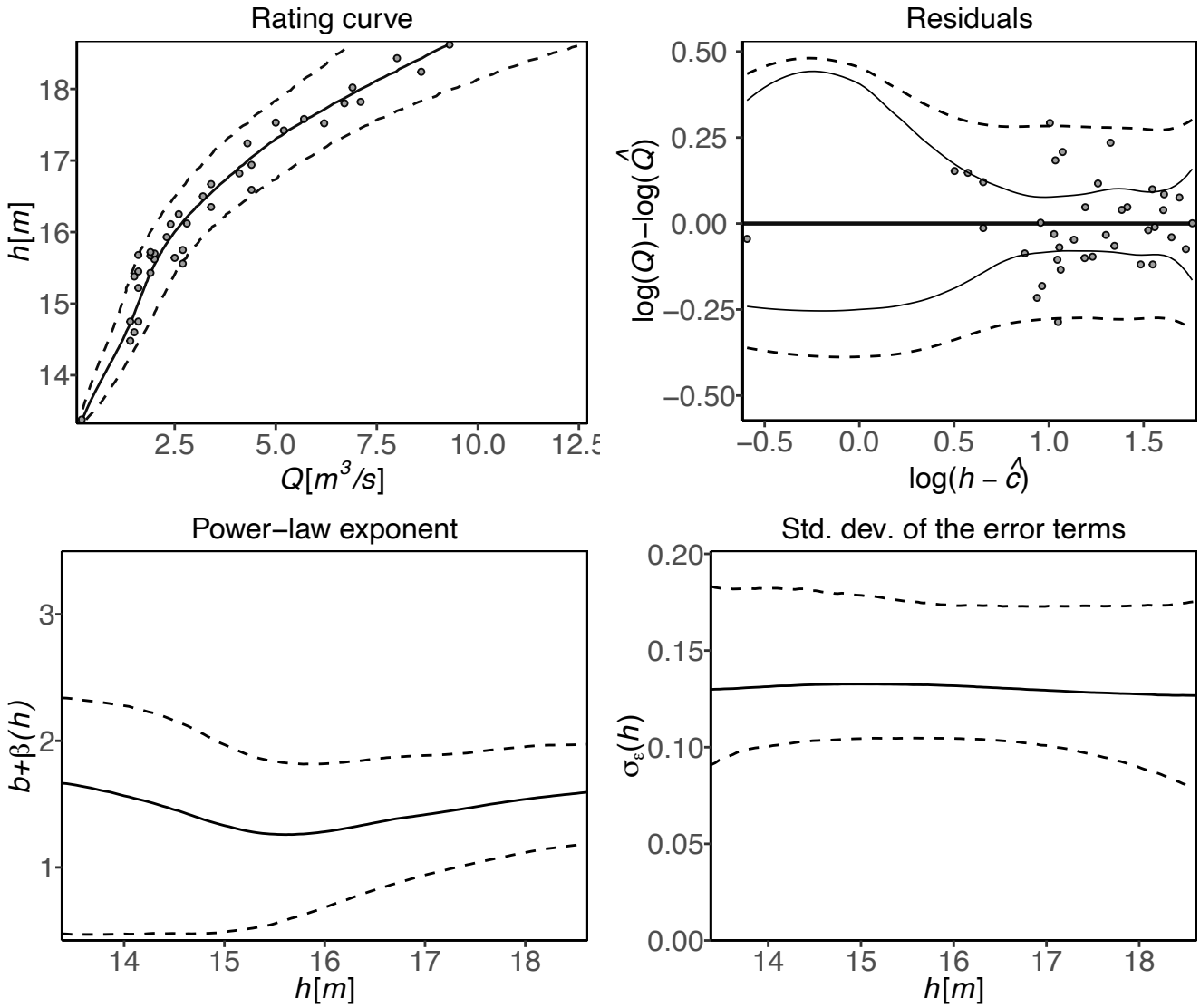
Station name:	Sjóarfoss
Location:	Iceland
Station number:	V449
Number of observations:	38
Start date:	2000–11–01
End date:	2019–08–16
Max. discharge (m^3/s):	9.3
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.54
GPLM0	0.29	0.46
PLM	16.10	0.00
PLM0	17.63	0.00



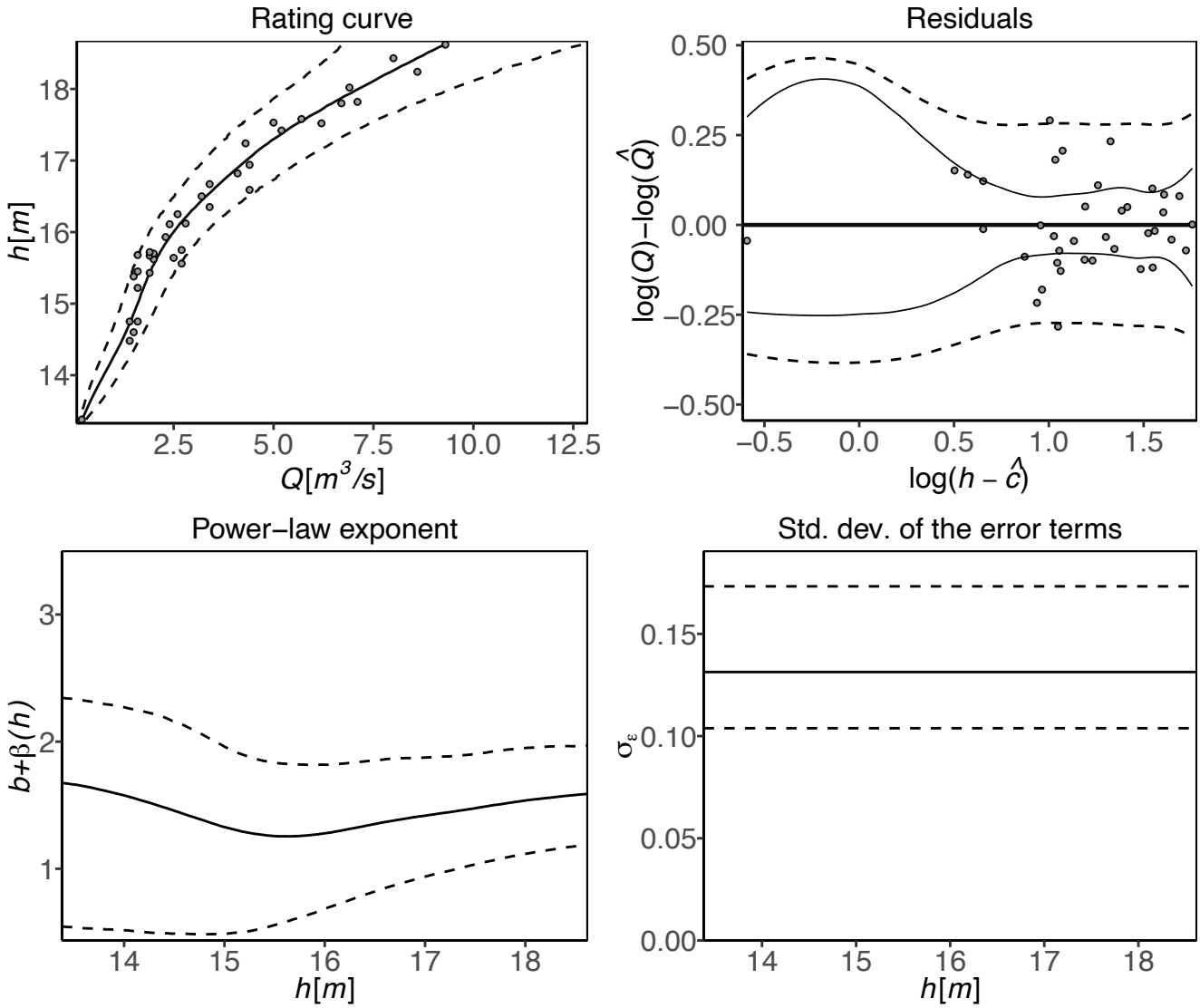


Sjóarfoss, Iceland – GPLM



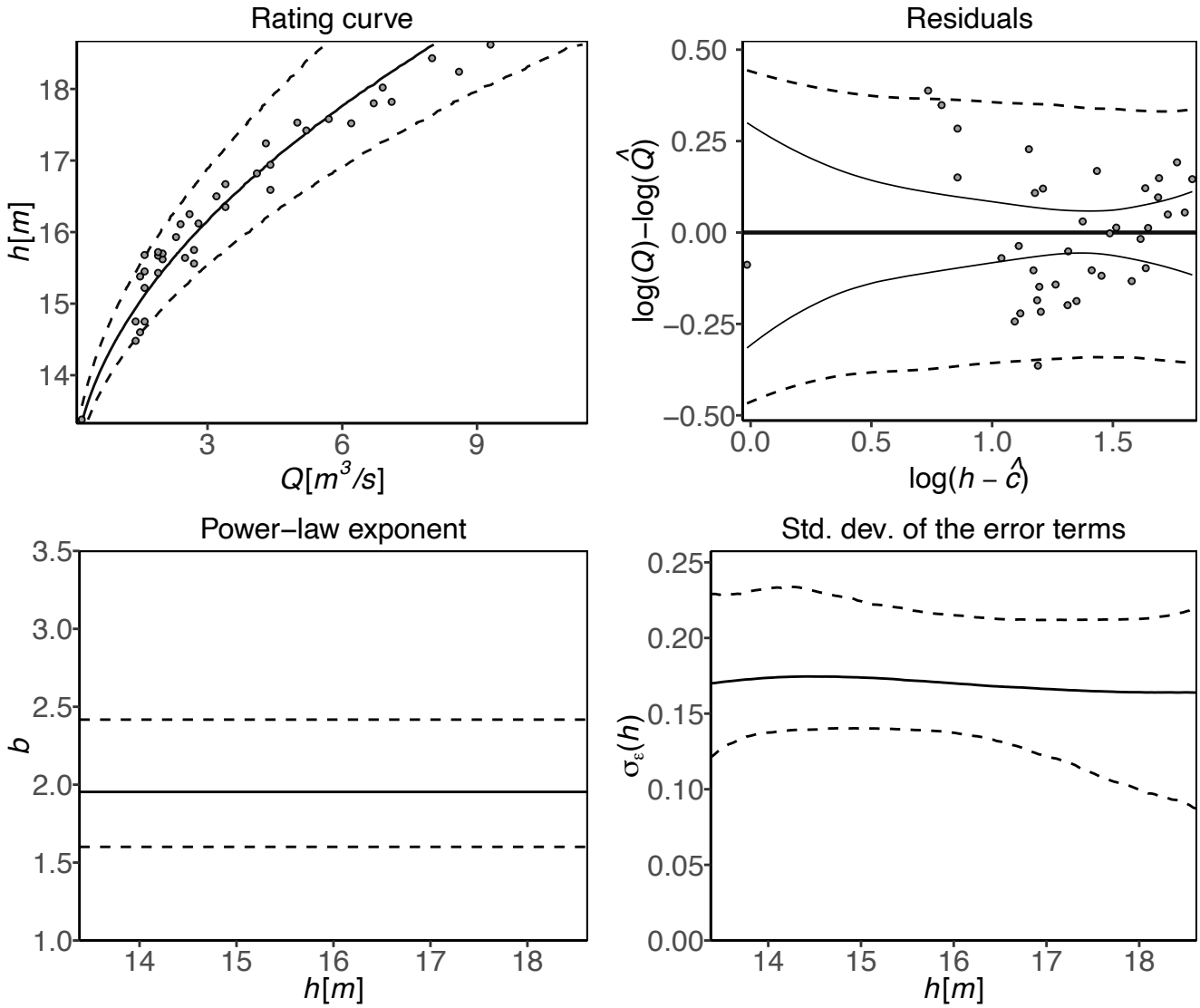
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.57	[0.25; 1.25]	977	1.03
b	1.83	[1.83; 1.84]	9119	1.00
c	12.83	[12.40; 13.36]	766	1.11
σ_β	0.35	[0.09; 0.91]	1449	1.02
ϕ_β	2.61	[0.74; 9.54]	1284	1.02
σ_η	0.09	[0.00; 0.52]	1275	1.00
η_1	–4.08	[–4.80; –3.39]	1576	1.00
η_2	–3.90	[–5.77; –2.11]	2116	1.00
η_3	–3.81	[–6.40; –1.42]	2182	1.00
η_4	–4.05	[–7.20; –0.98]	2236	1.00
η_5	–4.35	[–7.96; –0.48]	2274	1.00
η_6	–4.46	[–8.55; –0.12]	2095	1.00

Sjóarfoss, Iceland – GPLM0



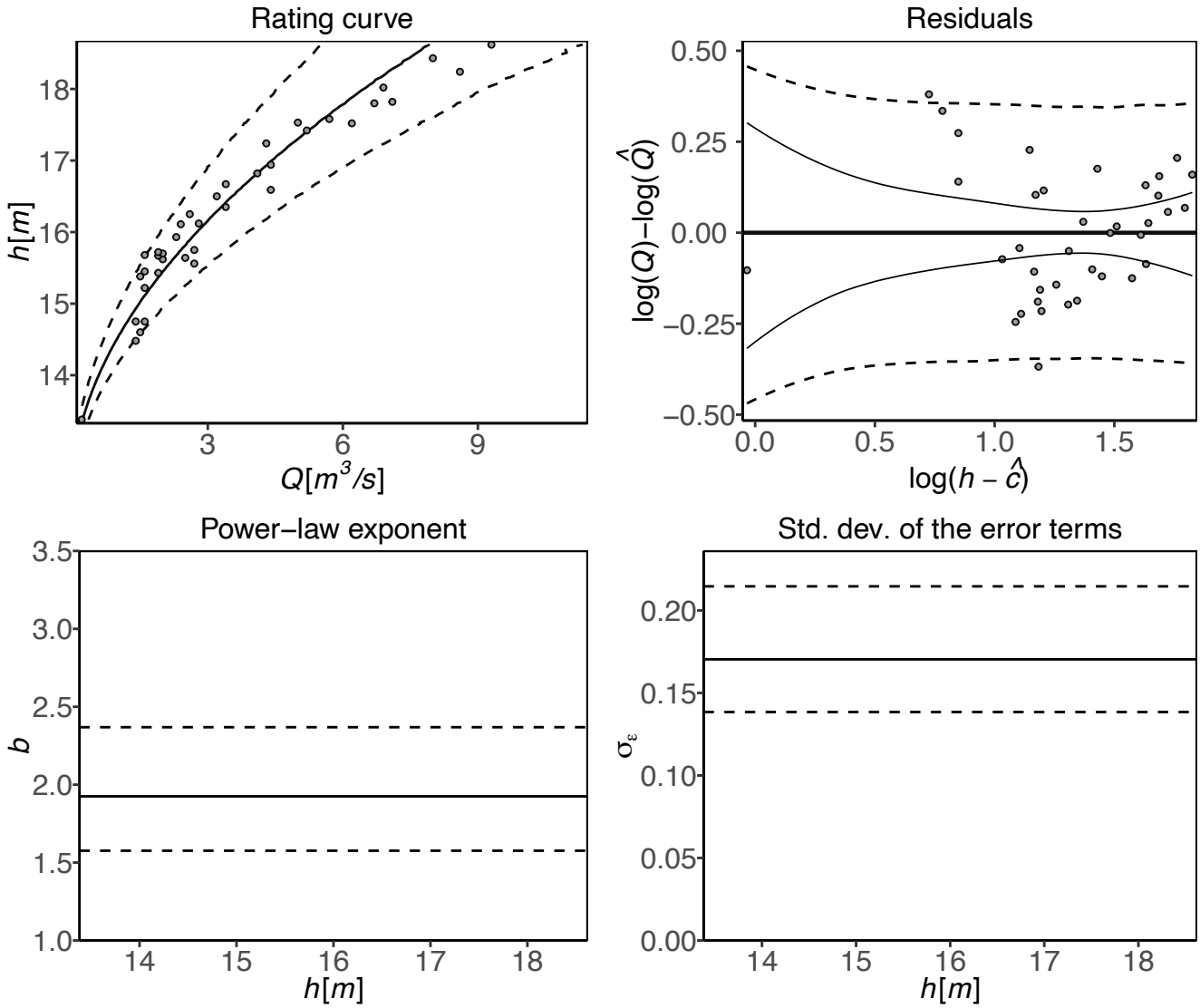
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.57	[0.25; 1.25]	1280	1.02
b	1.83	[1.83; 1.84]	12611	1.00
c	12.83	[12.41; 13.34]	858	1.03
σ_ε	0.13	[0.10; 0.17]	3949	1.00
σ_β	0.60	[0.30; 0.95]	2095	1.01
ϕ_β	2.59	[0.72; 9.81]	1744	1.01

Sjóarfoss, Iceland – PLM



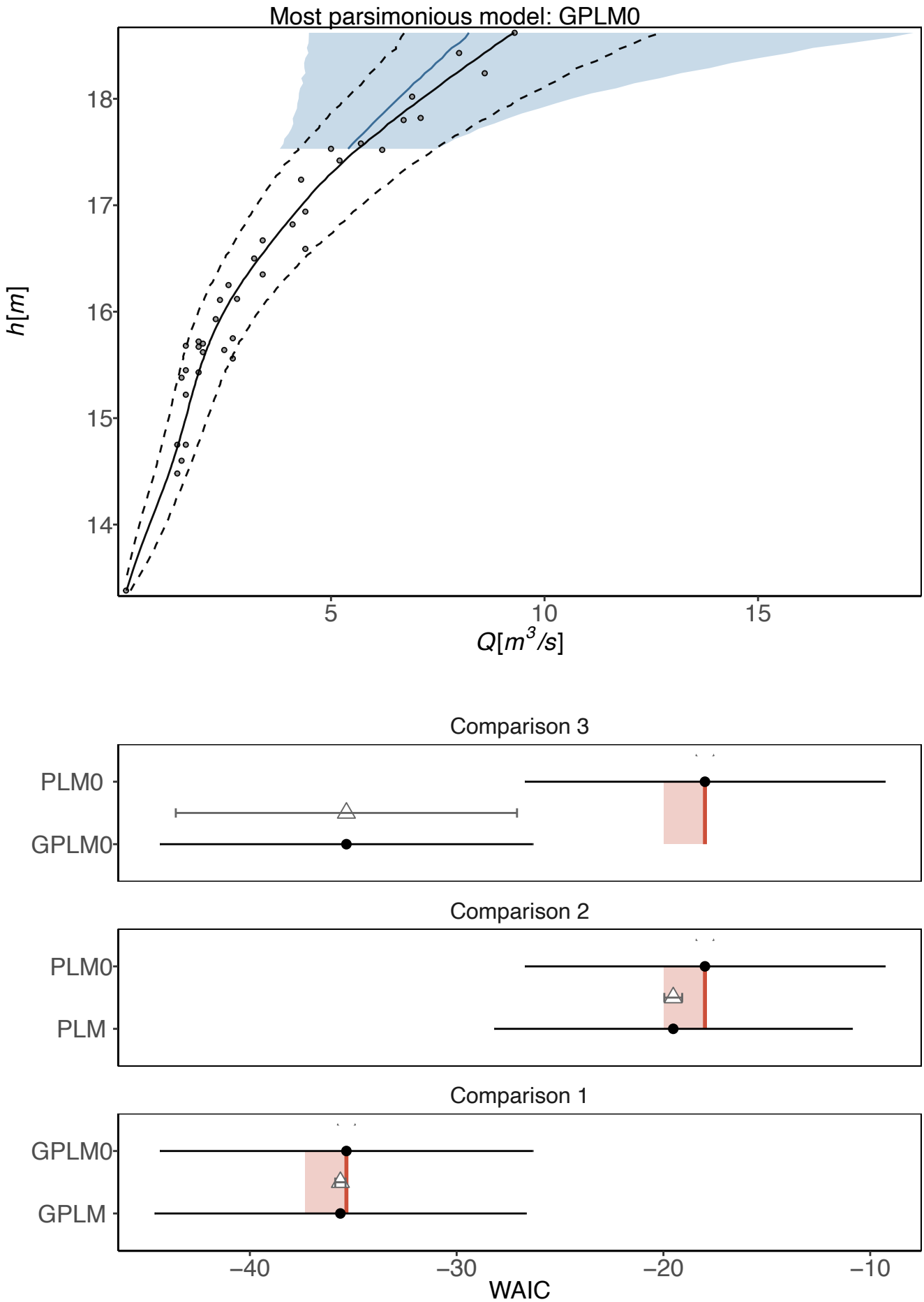
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.23	[0.08; 0.43]	2488	1.00
b	1.95	[1.60; 2.42]	2624	1.00
c	12.39	[11.76; 12.80]	2358	1.00
σ_η	0.10	[0.00; 0.64]	1770	1.00
η_1	–3.54	[–4.22; –2.95]	1713	1.00
η_2	–3.22	[–5.16; –1.50]	2324	1.00
η_3	–3.28	[–5.86; –0.87]	2317	1.00
η_4	–3.75	[–6.72; –0.48]	2692	1.00
η_5	–4.09	[–7.59; –0.12]	2489	1.00
η_6	–4.12	[–8.10; 0.33]	2342	1.00

Sjóarfoss, Iceland – PLM0



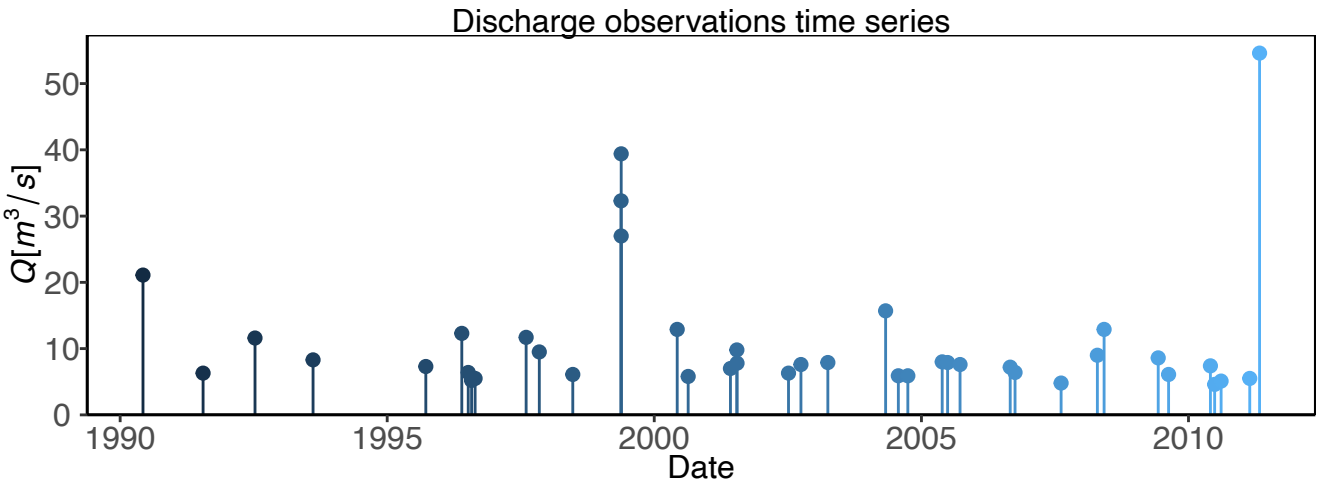
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.24	[0.09; 0.45]	9590	1.00
b	1.93	[1.58; 2.37]	9935	1.00
c	12.41	[11.79; 12.82]	8994	1.00
σ_ε	0.17	[0.14; 0.21]	9862	1.00

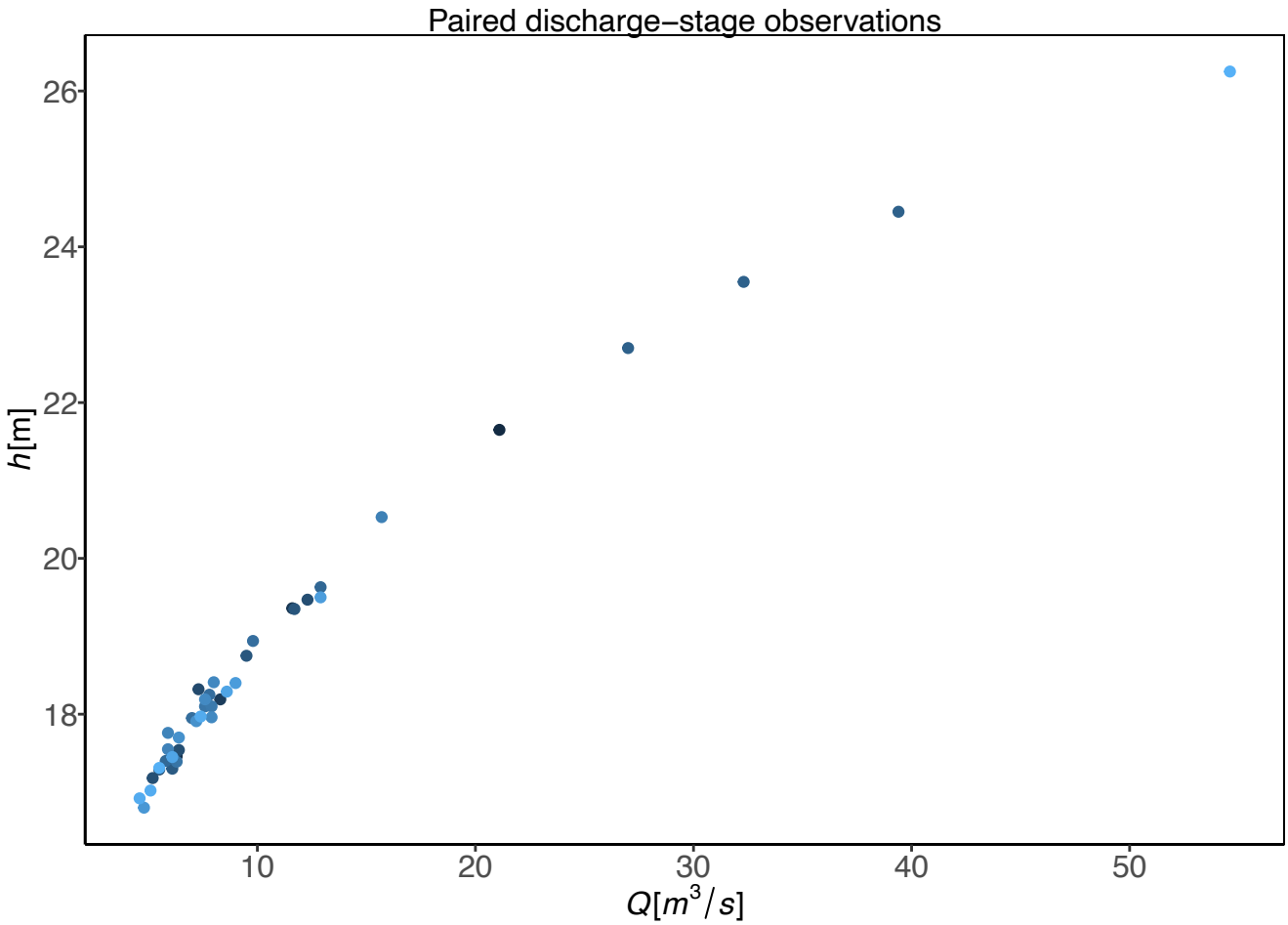
Power–law tournament results for Sjóarfoss, Iceland



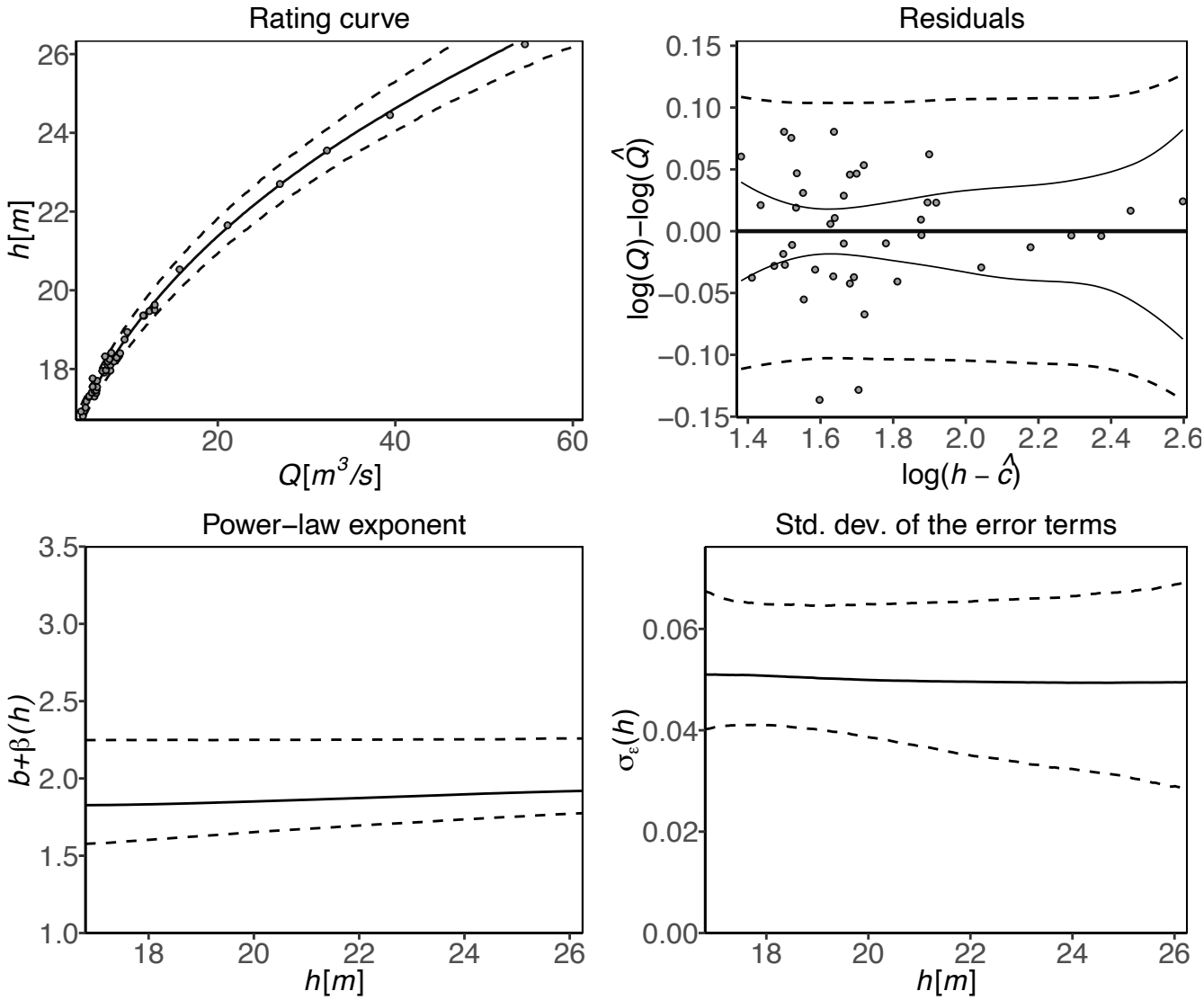
Station name:	Forsæludalur
Location:	Iceland
Station number:	V45
Number of observations:	41
Start date:	1990–06–06
End date:	2011–05–02
Max. discharge (m^3/s):	54.6
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.39
GPLM0	0.29	0.34
PLM	2.07	0.14
PLM0	2.27	0.13



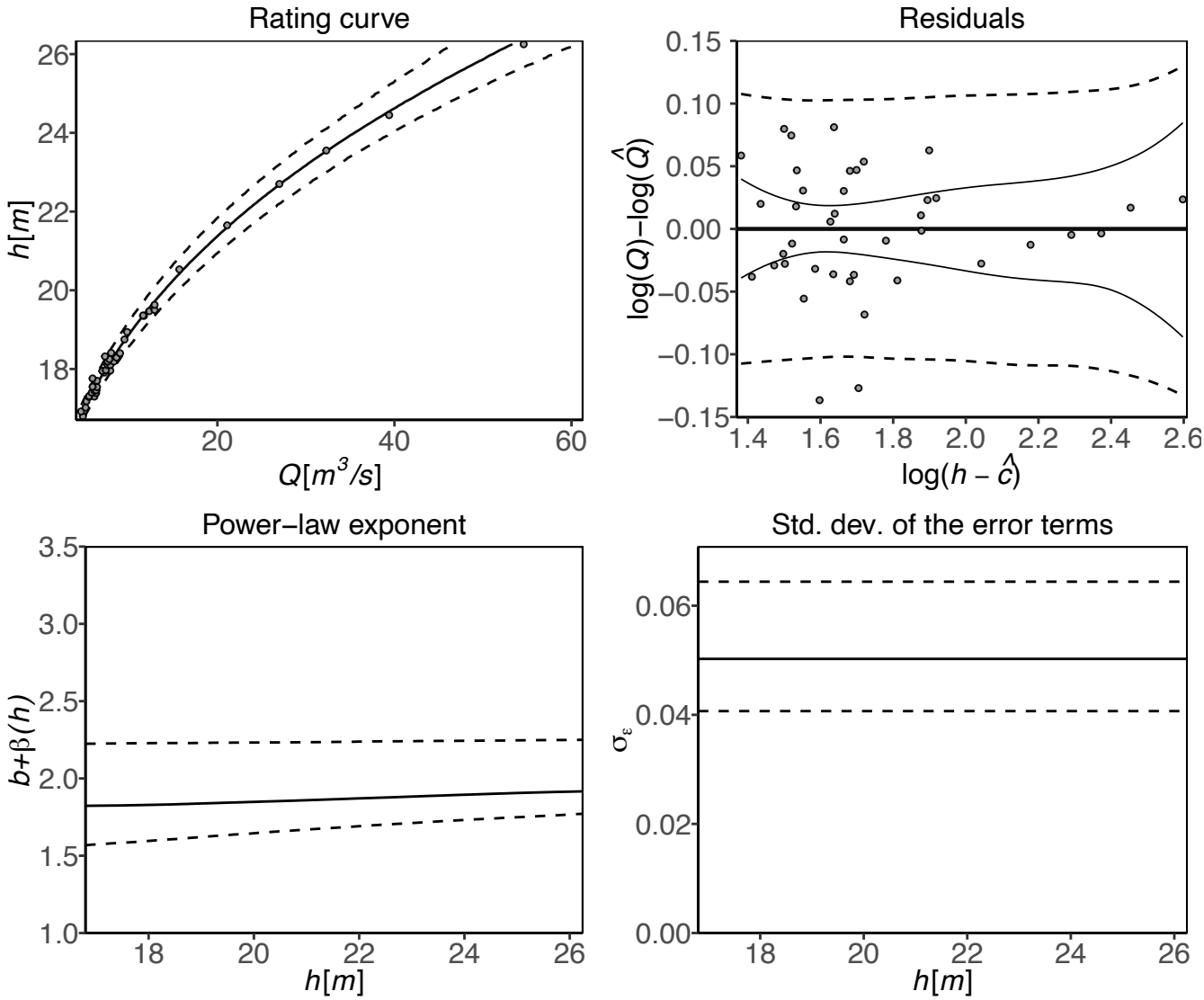


Forsæludalur, Iceland – GPLM



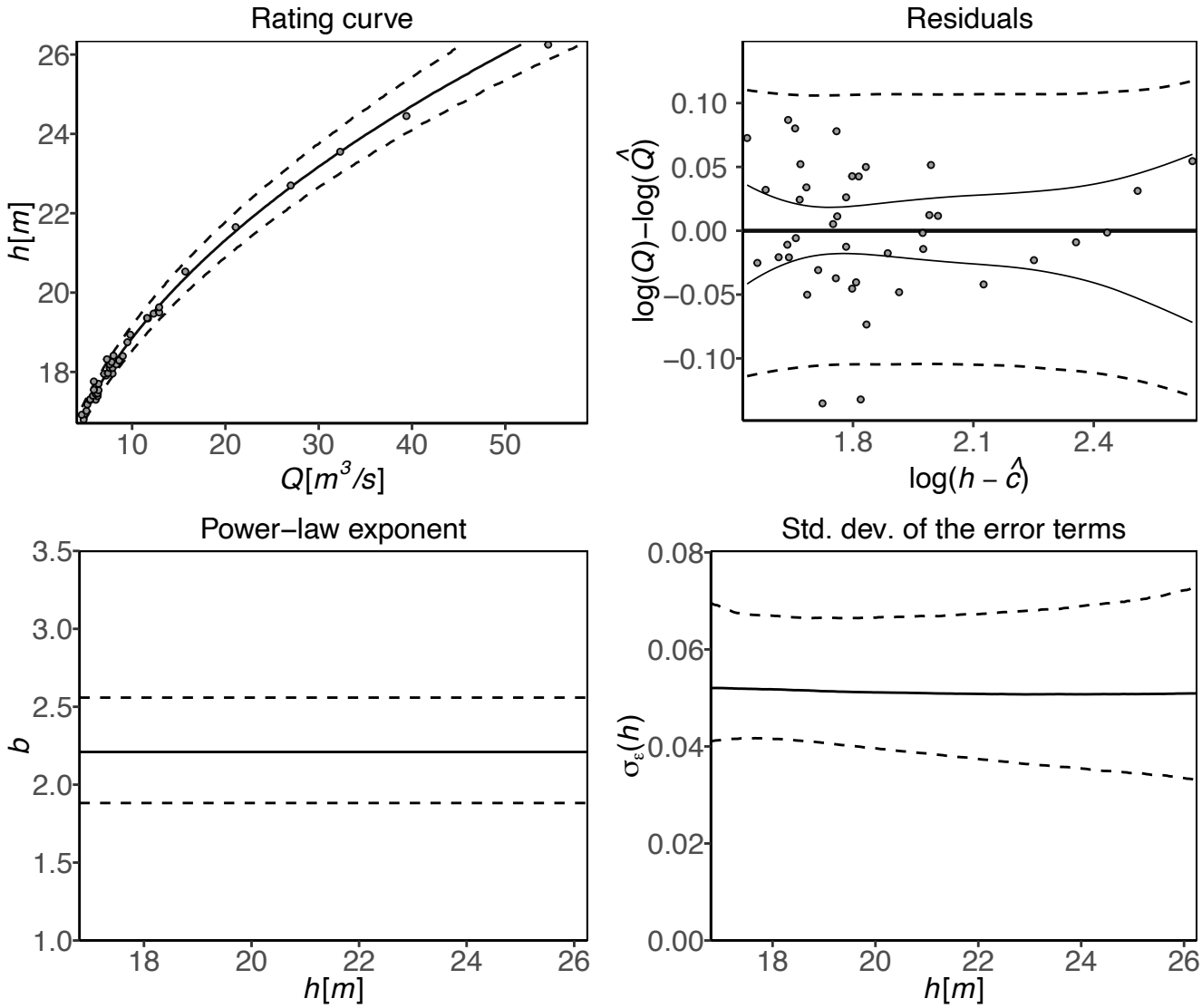
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.36	[0.13; 0.55]	1705	1.01
b	1.84	[1.83; 1.84]	10708	1.00
c	12.82	[11.81; 13.11]	1266	1.01
σ_β	0.16	[0.03; 0.58]	2203	1.00
ϕ_β	19.02	[3.33; 1312.11]	980	1.02
σ_η	0.09	[0.00; 0.49]	1533	1.00
η_1	−5.95	[−6.43; −5.39]	1897	1.00
η_2	−5.96	[−7.80; −4.09]	2397	1.00
η_3	−6.18	[−8.75; −3.43]	2326	1.00
η_4	−6.36	[−9.53; −2.93]	2360	1.00
η_5	−6.38	[−10.23; −2.38]	2289	1.00
η_6	−6.37	[−10.78; −2.01]	2333	1.00

Forsæludalur, Iceland – GPLM0



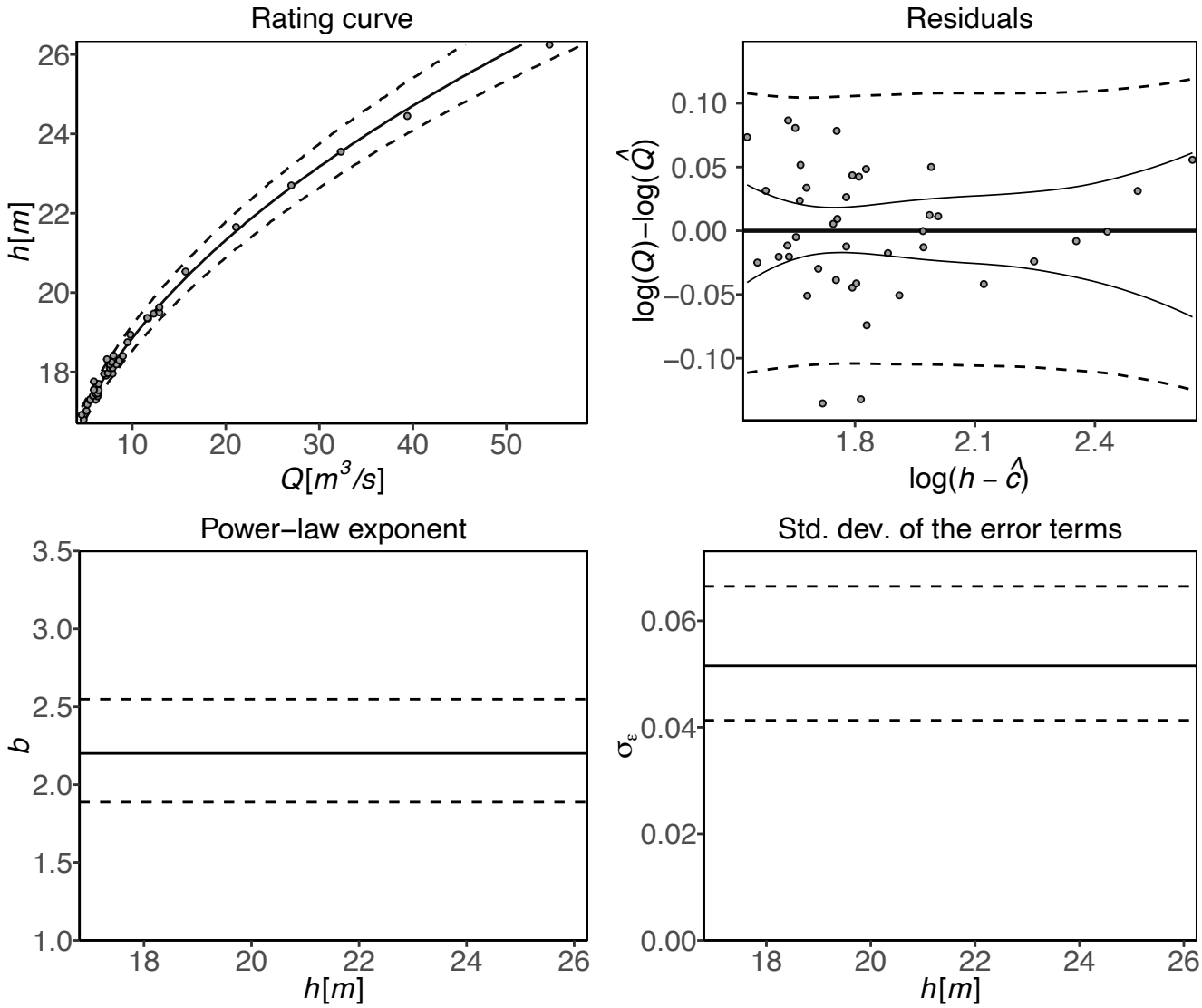
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.37	[0.13; 0.56]	3223	1.00
b	1.84	[1.83; 1.84]	12423	1.00
c	12.82	[11.77; 13.11]	2450	1.00
σ_ε	0.05	[0.04; 0.06]	5360	1.00
σ_β	0.39	[0.19; 0.76]	5578	1.00
ϕ_β	17.99	[3.36; 590.66]	1441	1.00

Forsæludalur, Iceland – PLM



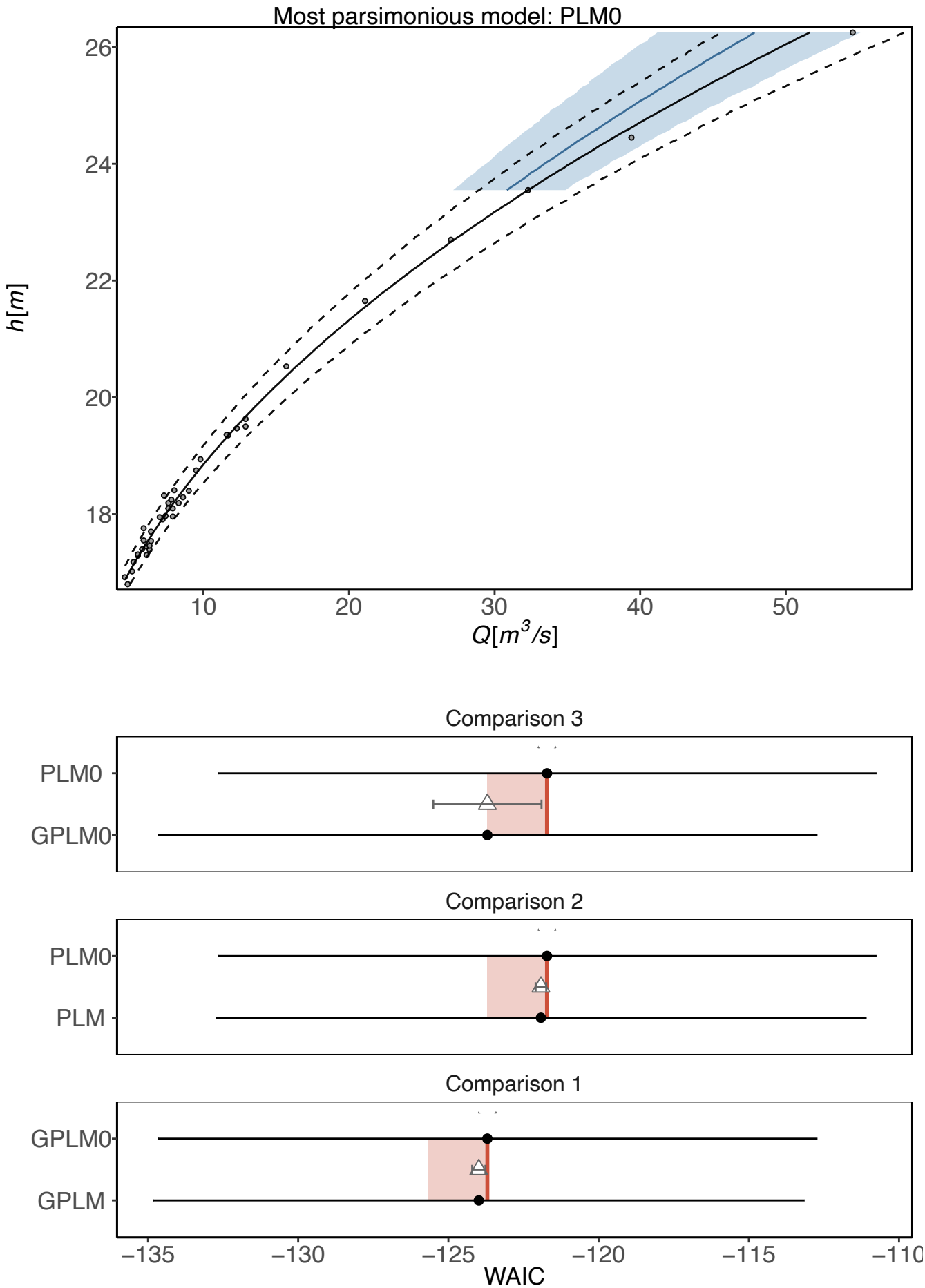
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.15	[0.05; 0.39]	2757	1.00
b	2.21	[1.88; 2.56]	2781	1.00
c	12.15	[10.95; 13.21]	2698	1.00
σ_η	0.08	[0.00; 0.43]	1740	1.00
η_1	–5.91	[–6.39; –5.33]	2381	1.00
η_2	–5.96	[–7.78; –4.10]	2784	1.00
η_3	–6.16	[–8.76; –3.46]	2856	1.00
η_4	–6.25	[–9.52; –2.87]	2879	1.00
η_5	–6.25	[–10.05; –2.43]	2793	1.00
η_6	–6.24	[–10.57; –1.98]	2713	1.00

Forsæludalur, Iceland – PLM0



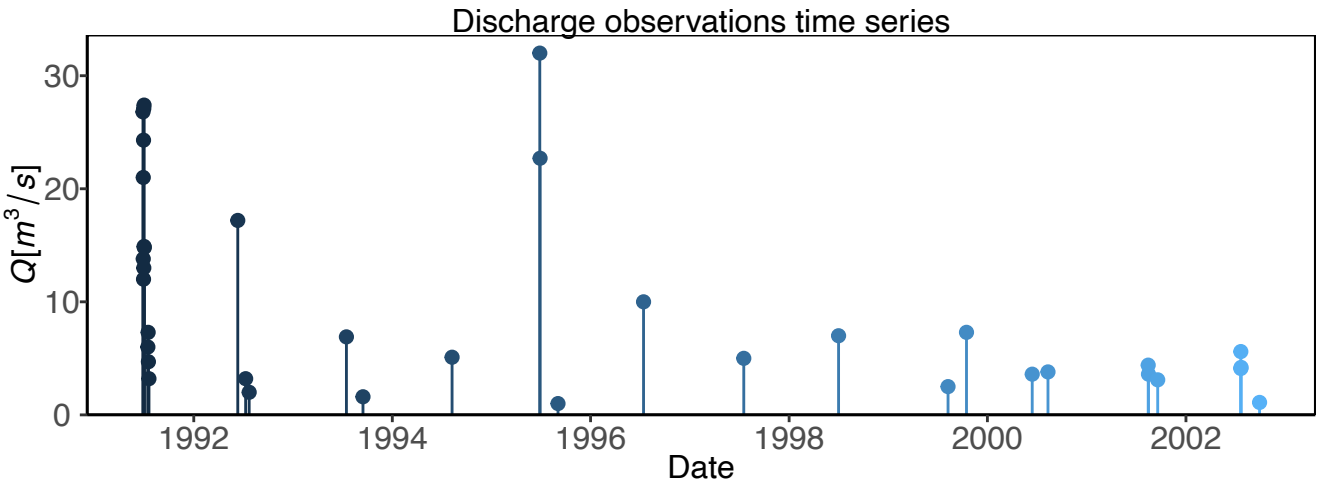
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.15	[0.05; 0.38]	9412	1.00
b	2.20	[1.89; 2.55]	9421	1.00
c	12.18	[11.00; 13.19]	9352	1.00
σ_ε	0.05	[0.04; 0.07]	9262	1.00

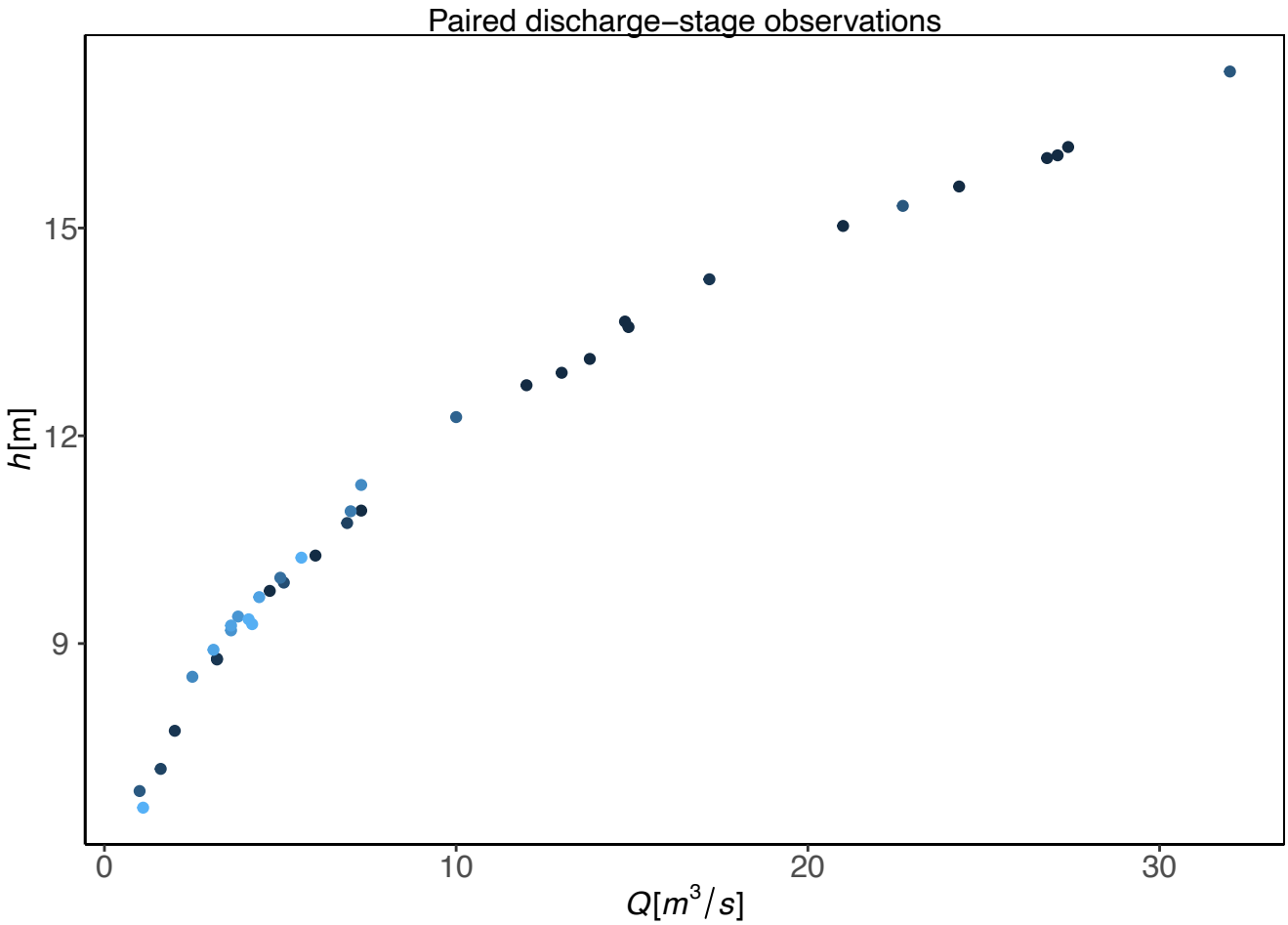
Power−law tournament results for Forsæludalur, Iceland



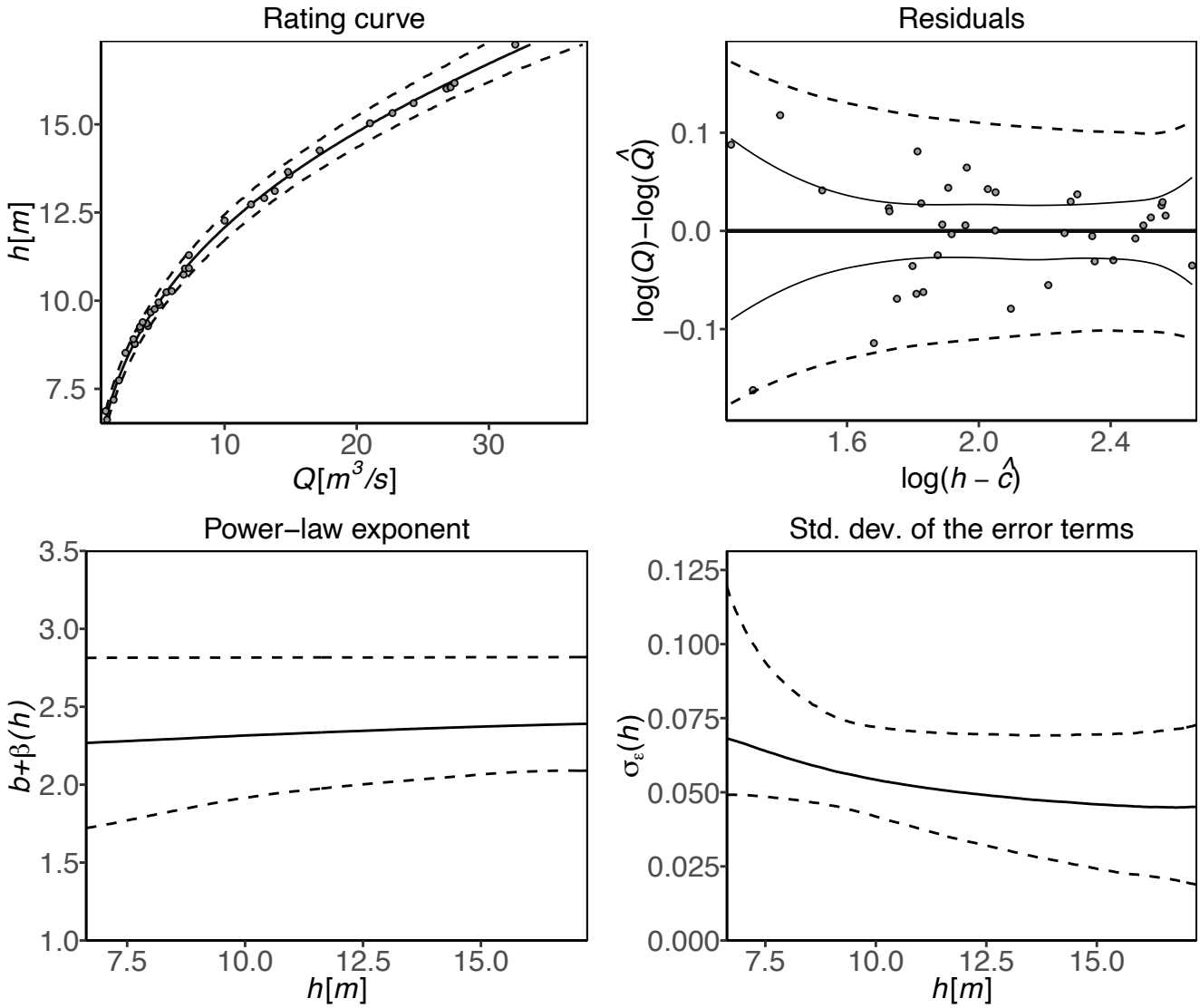
Station name:	ofan Grjótár II
Location:	Iceland
Station number:	V454
Number of observations:	37
Start date:	1991–06–28
End date:	2002–09–29
Max. discharge (m^3/s):	32
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.00	0.56
GPLM0	7.23	0.02
PLM	0.61	0.41
PLM0	7.36	0.01



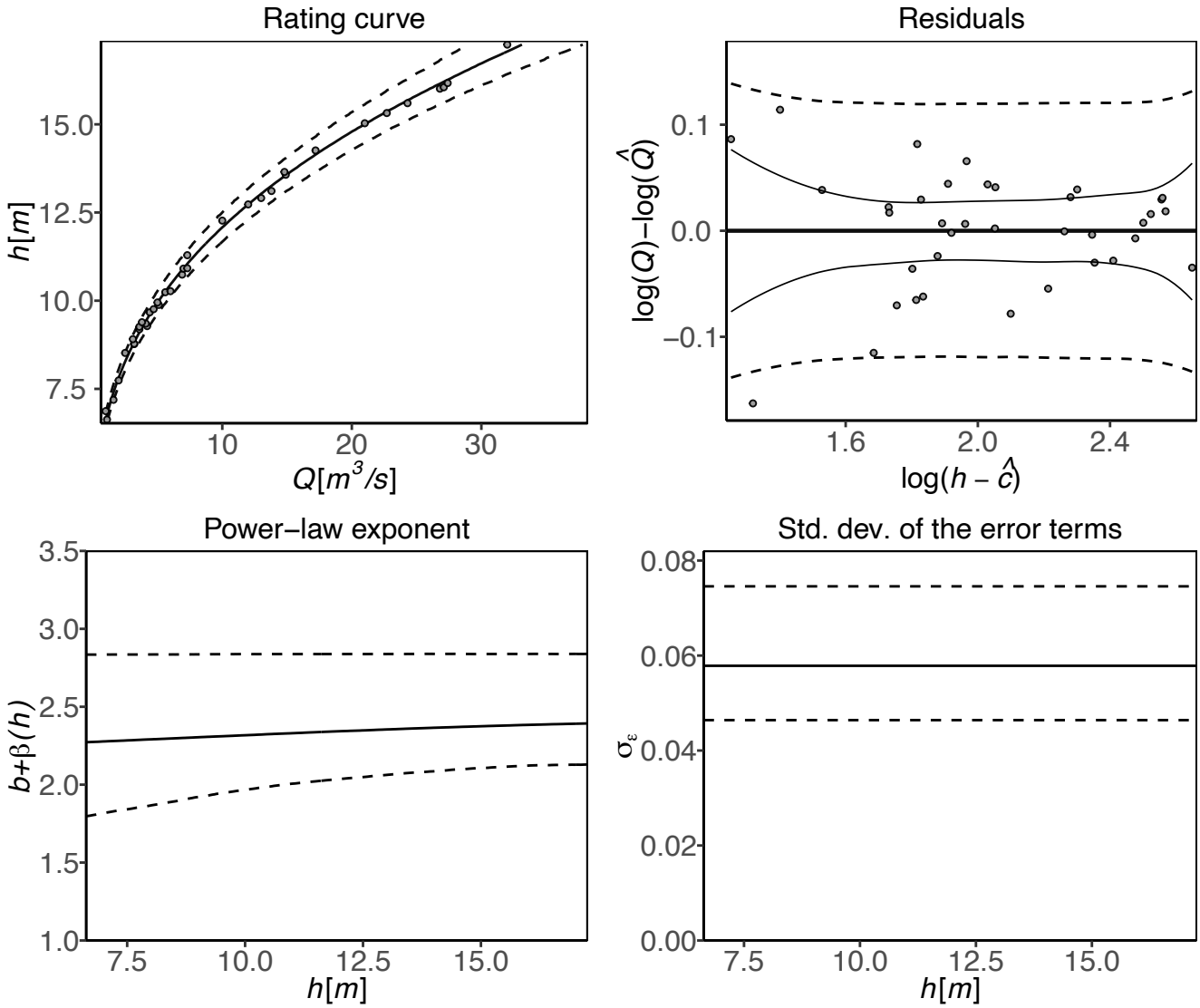


ofan Grjótár II, Iceland – GPLM



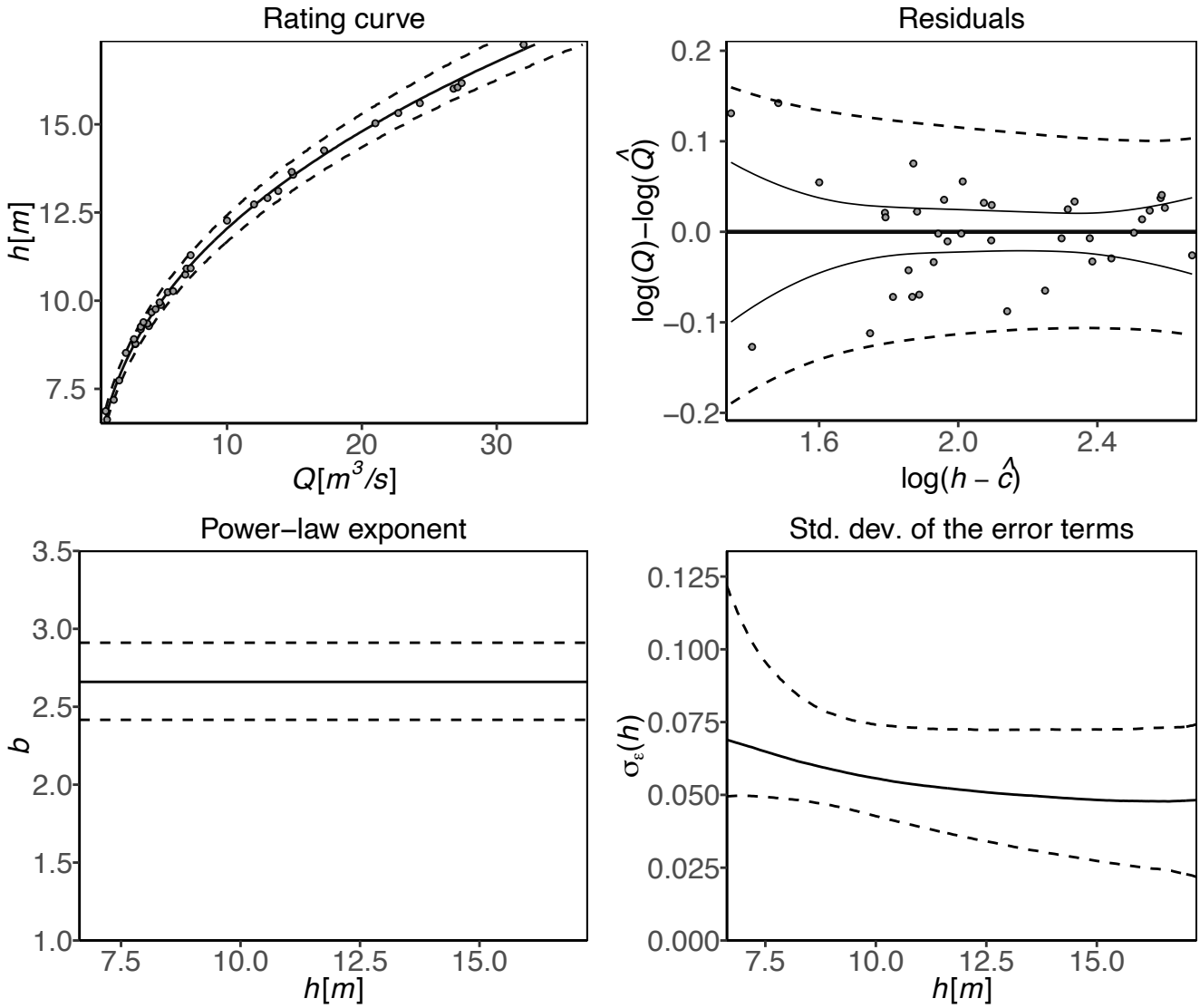
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.06	[0.02; 0.13]	1603	1.01
b	1.84	[1.83; 1.84]	10736	1.00
c	3.15	[2.25; 3.38]	1436	1.00
σ_β	0.38	[0.16; 0.89]	2119	1.00
ϕ_β	38.34	[7.28; 5043.43]	902	1.03
σ_η	0.29	[0.01; 0.81]	809	1.11
η_1	–5.37	[–6.03; –4.25]	1529	1.02
η_2	–5.96	[–7.64; –4.34]	1630	1.01
η_3	–6.90	[–9.08; –4.25]	1508	1.02
η_4	–7.64	[–10.29; –3.93]	1662	1.02
η_5	–8.11	[–11.29; –3.69]	1950	1.01
η_6	–8.10	[–11.75; –3.34]	2131	1.00

ofan Grjótár II, Iceland – GPLM0



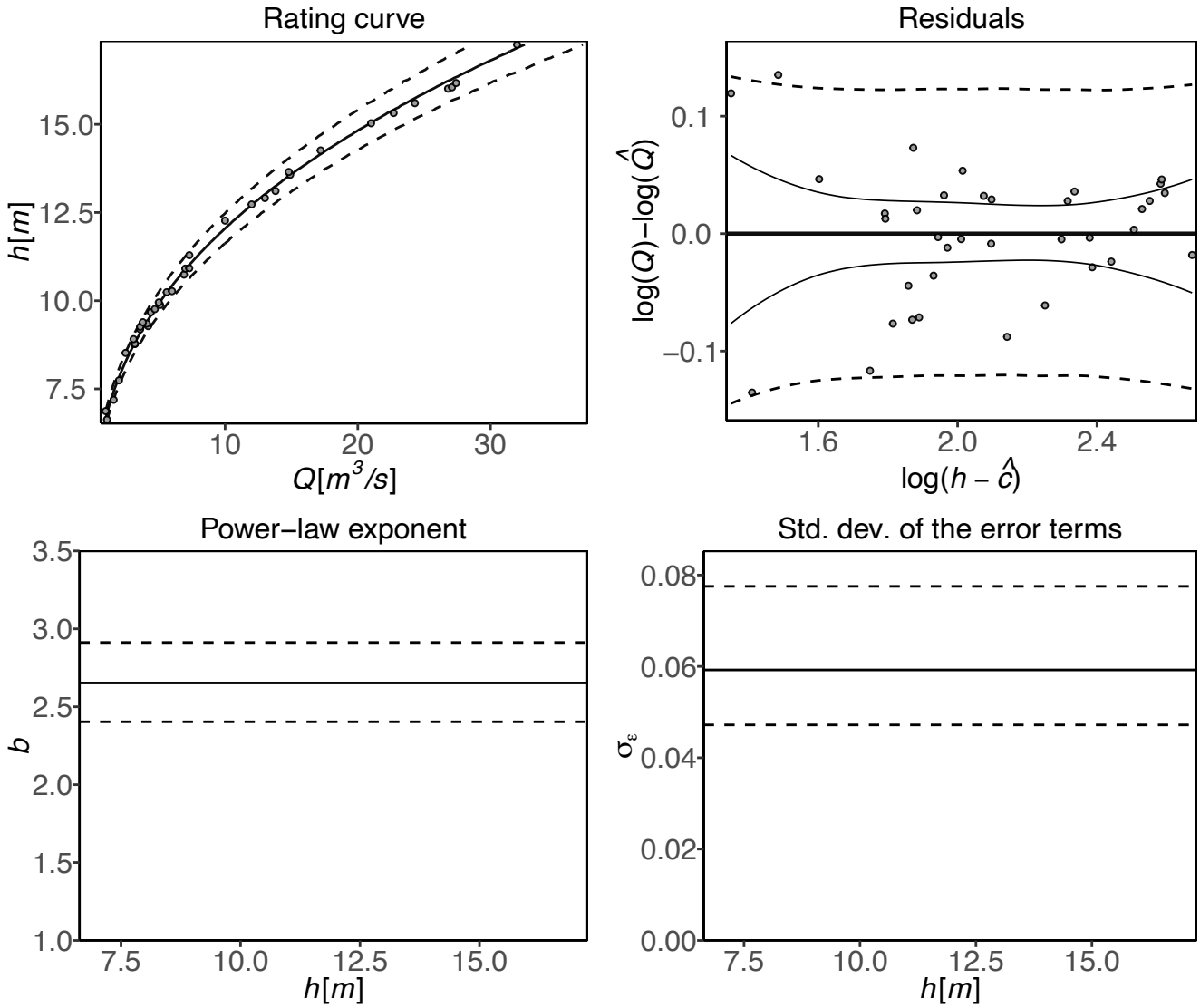
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.06	[0.02; 0.12]	2573	1.00
b	1.84	[1.83; 1.84]	12234	1.00
c	3.13	[2.20; 3.38]	2600	1.00
σ_ε	0.06	[0.05; 0.07]	5215	1.00
σ_β	0.63	[0.41; 0.96]	4561	1.00
ϕ_β	41.78	[8.72; 12543.70]	1077	1.01

ofan Grjótár II, Iceland – PLM



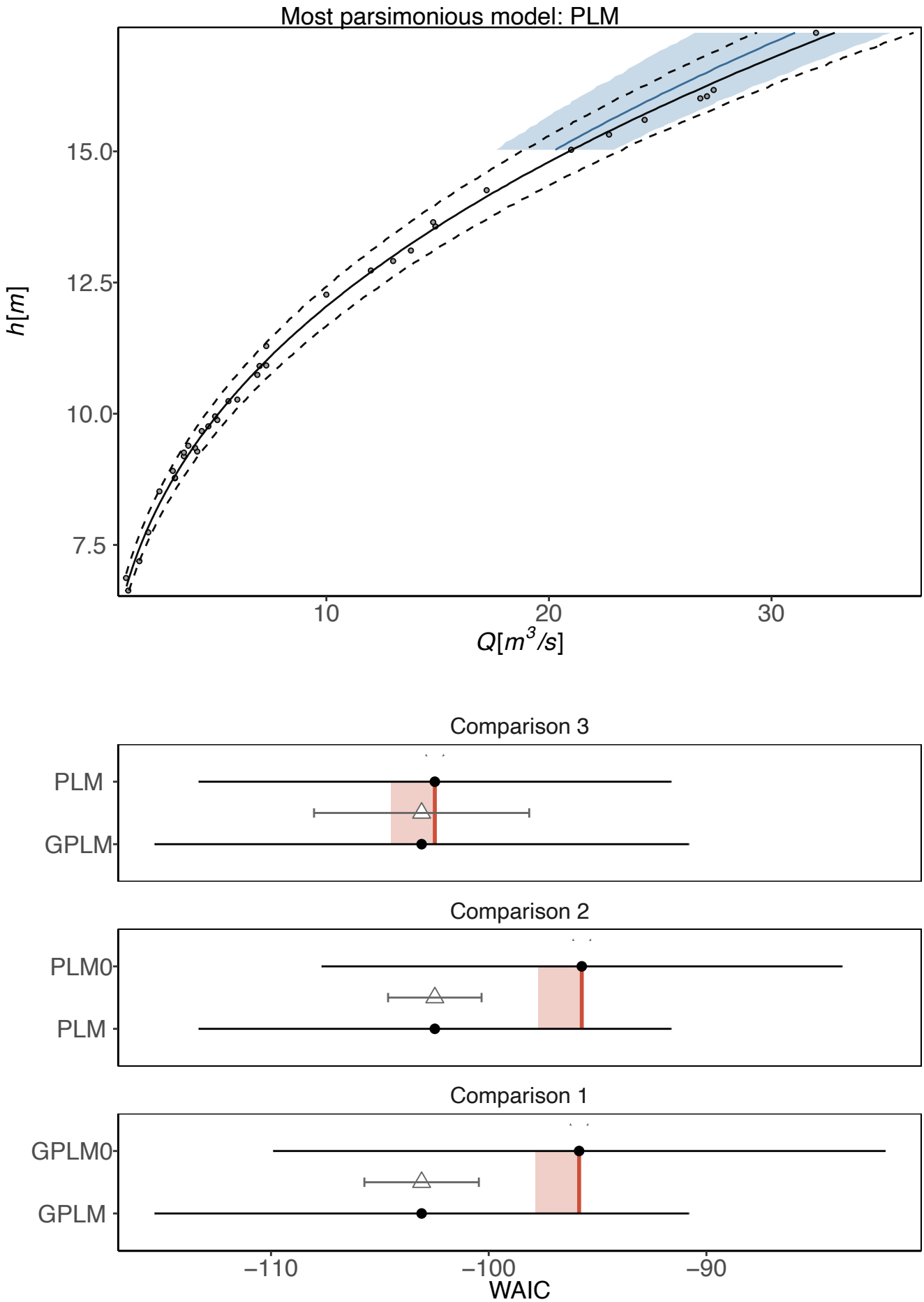
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.03	[0.01; 0.06]	2919	1.00
b	2.66	[2.42; 2.91]	2959	1.00
c	2.79	[2.04; 3.50]	2819	1.00
σ_η	0.26	[0.01; 0.75]	796	1.10
η_1	–5.35	[–6.01; –4.21]	1639	1.01
η_2	–5.94	[–7.64; –4.22]	1721	1.01
η_3	–6.82	[–9.07; –4.08]	1601	1.02
η_4	–7.57	[–10.14; –3.77]	1855	1.02
η_5	–7.93	[–11.03; –3.69]	2311	1.01
η_6	–7.96	[–11.68; –3.41]	2863	1.00

ofan Grjótár II, Iceland – PLM0



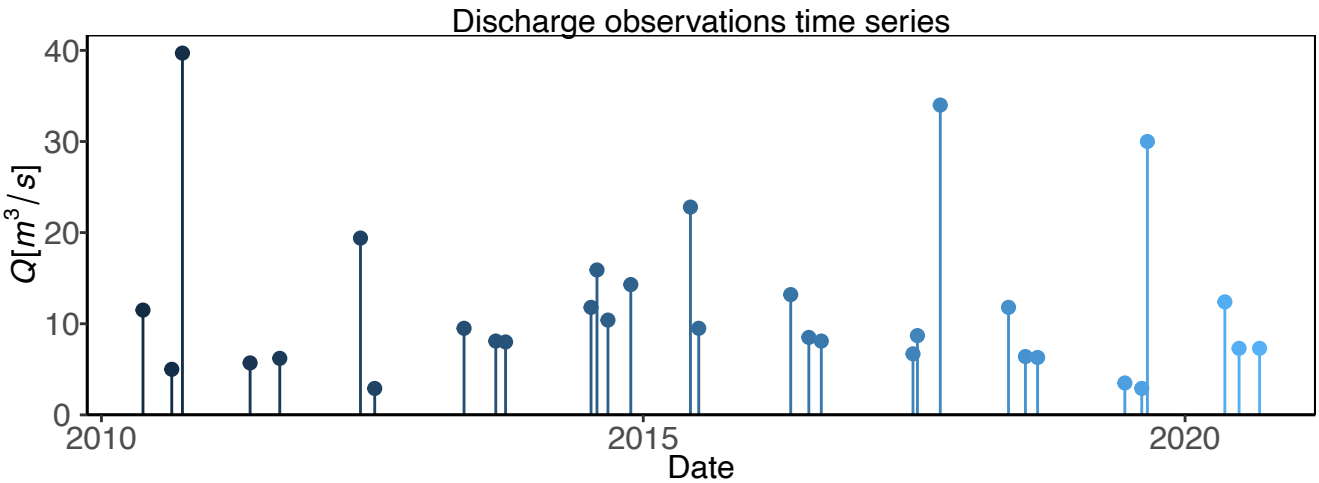
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.03	[0.01; 0.06]	10075	1.00
b	2.65	[2.40; 2.91]	10163	1.00
c	2.77	[2.05; 3.45]	9883	1.00
σ_ε	0.06	[0.05; 0.08]	9169	1.00

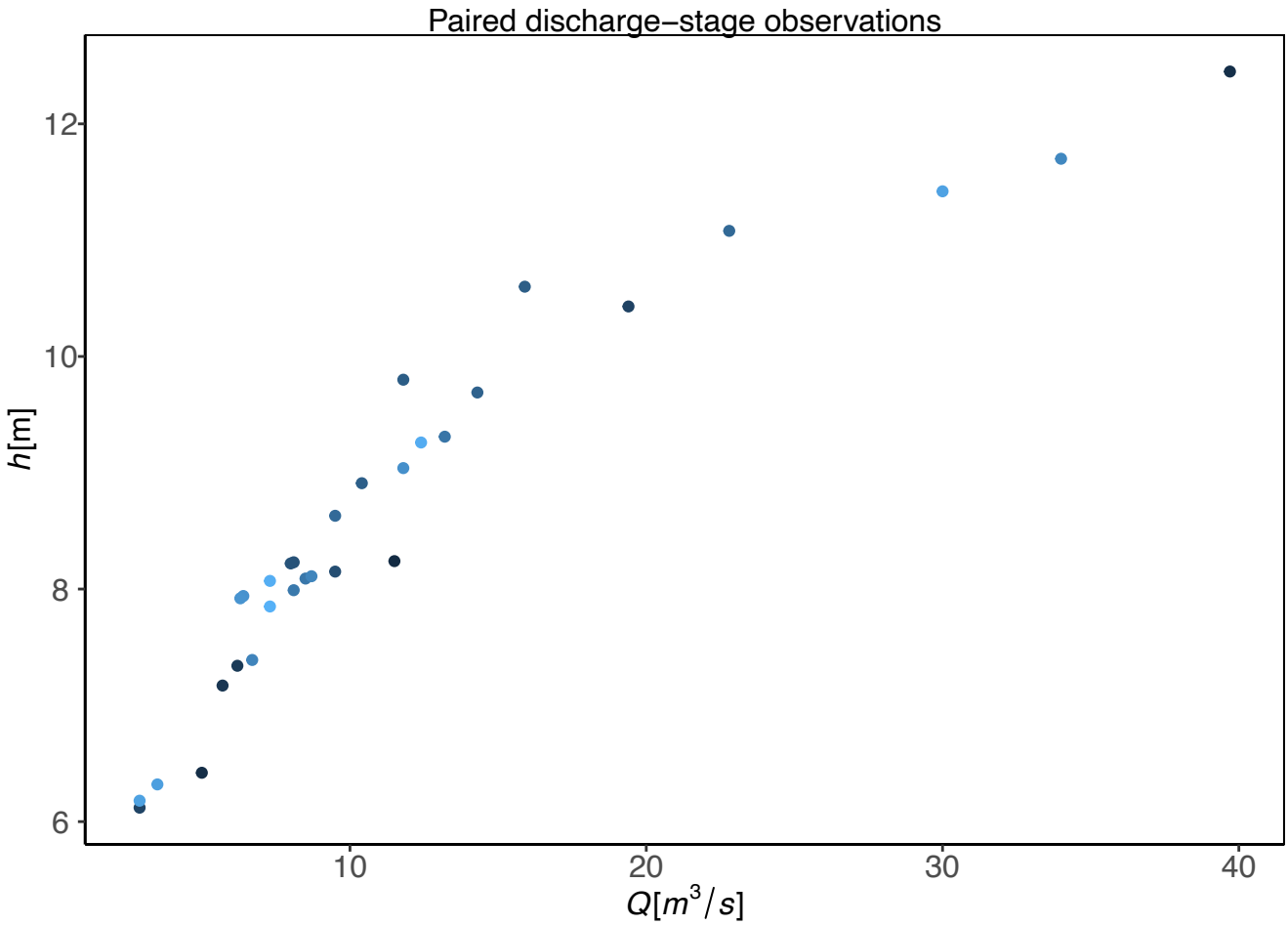
Power−law tournament results for ofan Grjótár II, Iceland



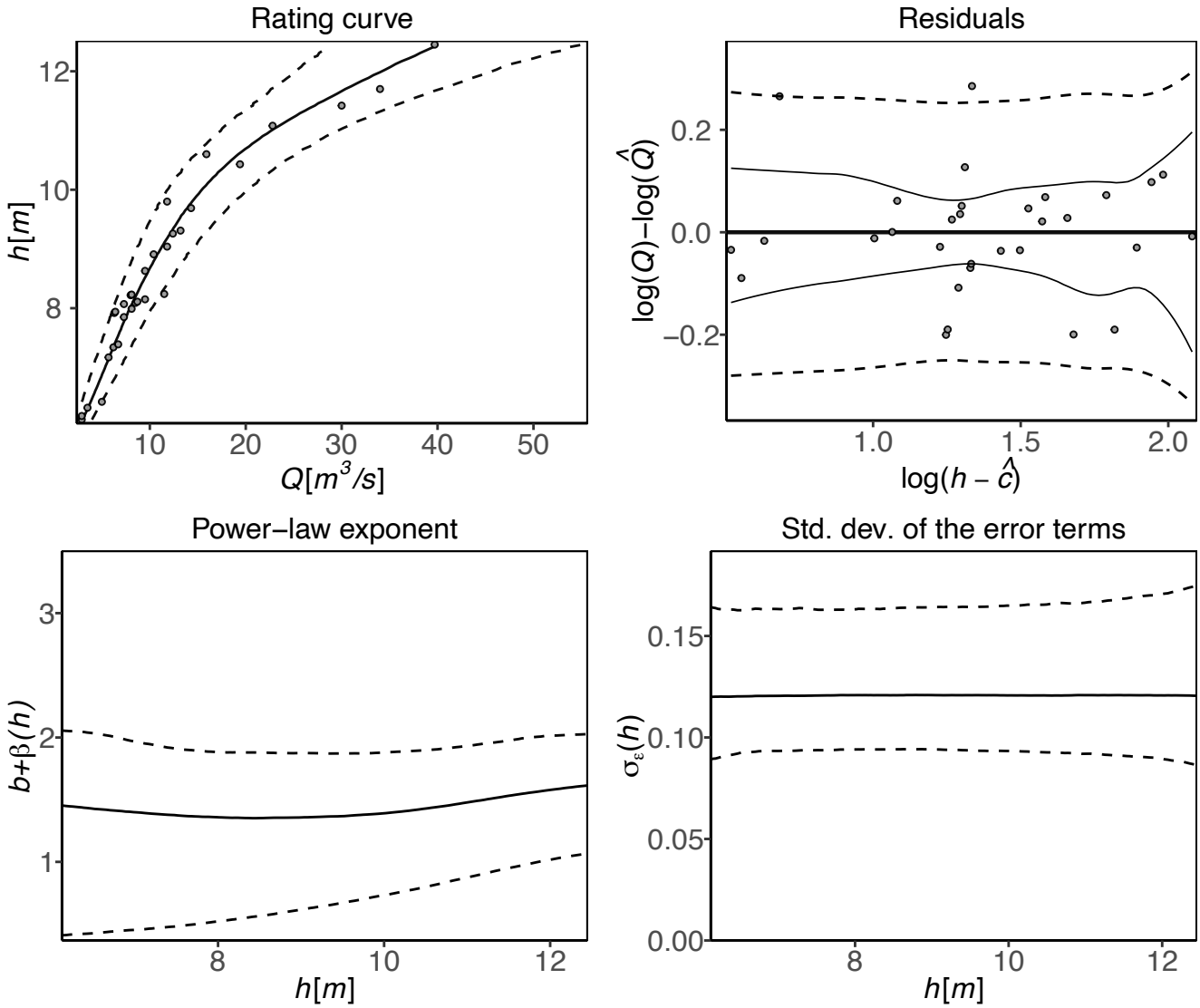
Station name:	Flatarhylur
Location:	Iceland
Station number:	V475
Number of observations:	31
Start date:	2010–05–21
End date:	2020–09–08
Max. discharge (m^3/s):	39.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.07	0.49
GPLM0	0.00	0.51
PLM	10.95	0.00
PLM0	10.99	0.00



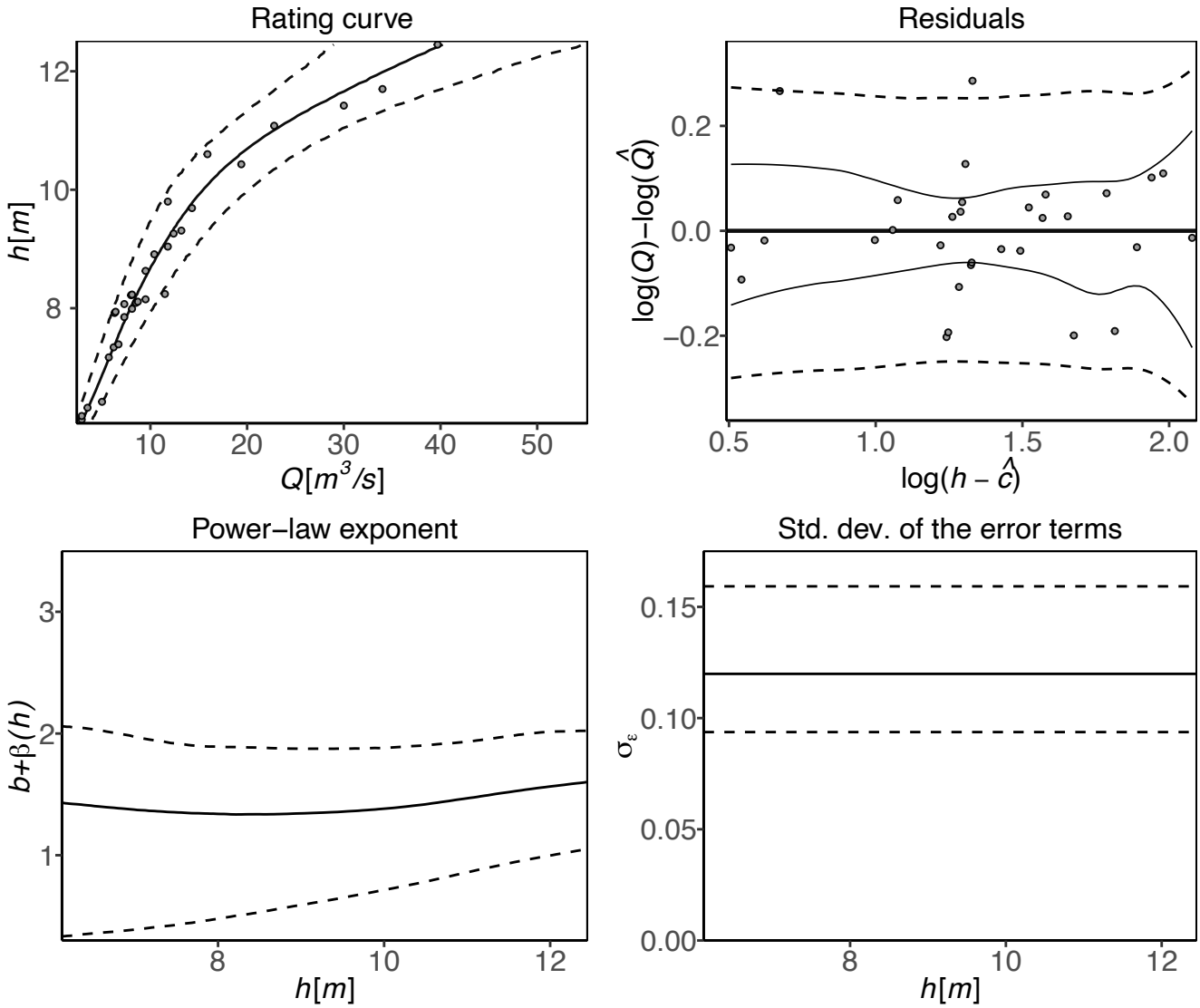


Flatarhylur, Iceland – GPLM



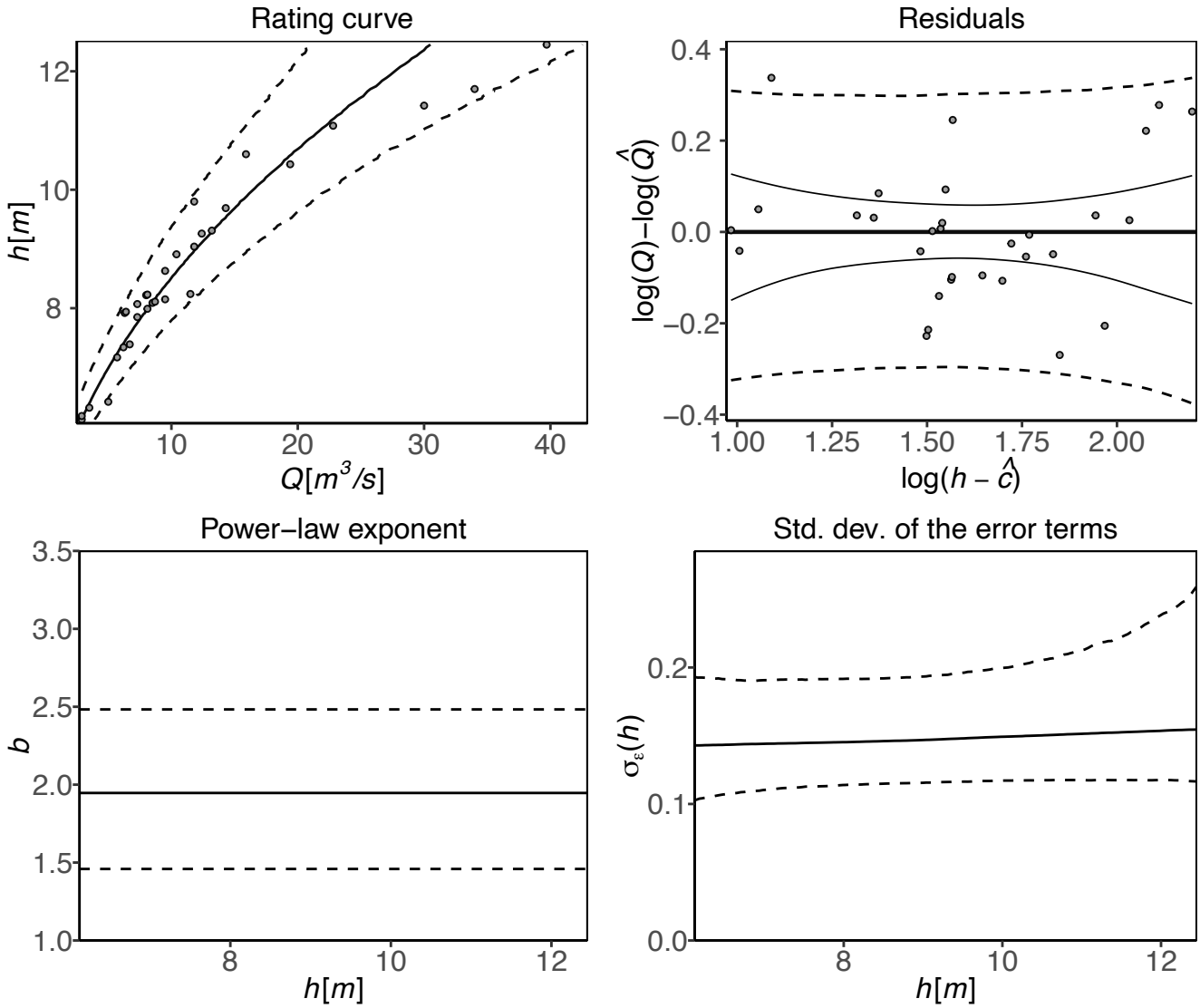
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.40	[0.45; 5.33]	1004	1.02
b	1.83	[1.83; 1.84]	8362	1.00
c	4.44	[3.23; 5.87]	828	1.03
σ_β	0.34	[0.06; 1.03]	1480	1.01
ϕ_β	5.61	[0.98; 21.07]	1464	1.01
σ_η	0.07	[0.00; 0.39]	1446	1.00
η_1	–4.24	[–4.83; –3.61]	1803	1.00
η_2	–4.16	[–6.01; –2.32]	1994	1.00
η_3	–4.13	[–6.70; –1.58]	2109	1.00
η_4	–4.13	[–7.35; –1.06]	2112	1.00
η_5	–4.13	[–7.86; –0.52]	2153	1.00
η_6	–4.16	[–8.30; 0.05]	2308	1.00

Flatarhylur, Iceland – GPLM0



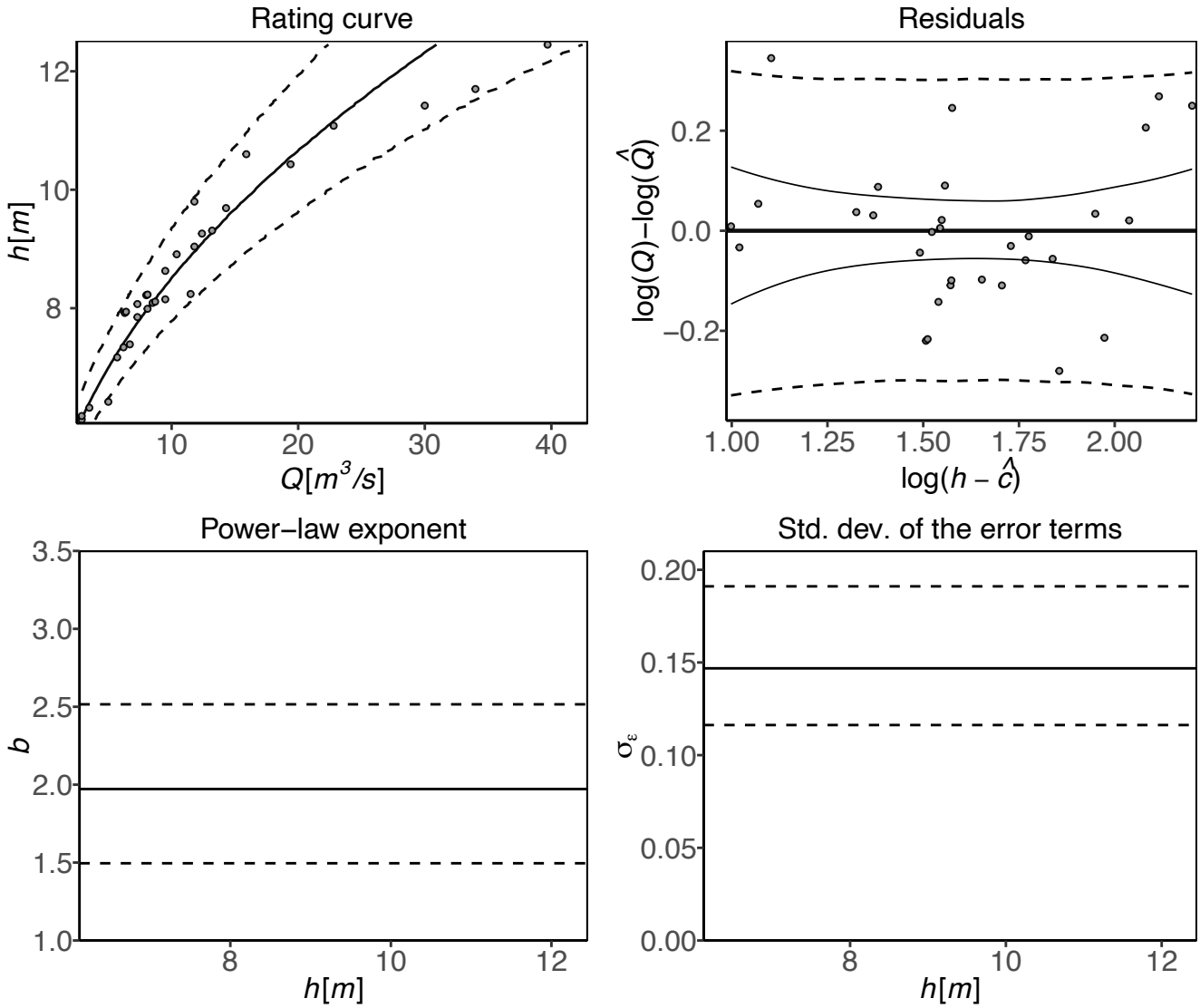
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.44	[0.45; 5.64]	1223	1.02
b	1.83	[1.83; 1.84]	10480	1.00
c	4.46	[3.22; 5.99]	870	1.05
σ_ε	0.12	[0.09; 0.16]	3750	1.00
σ_β	0.59	[0.26; 0.99]	2010	1.01
ϕ_β	5.79	[1.10; 21.49]	2115	1.01

Flatarhylur, Iceland – PLM



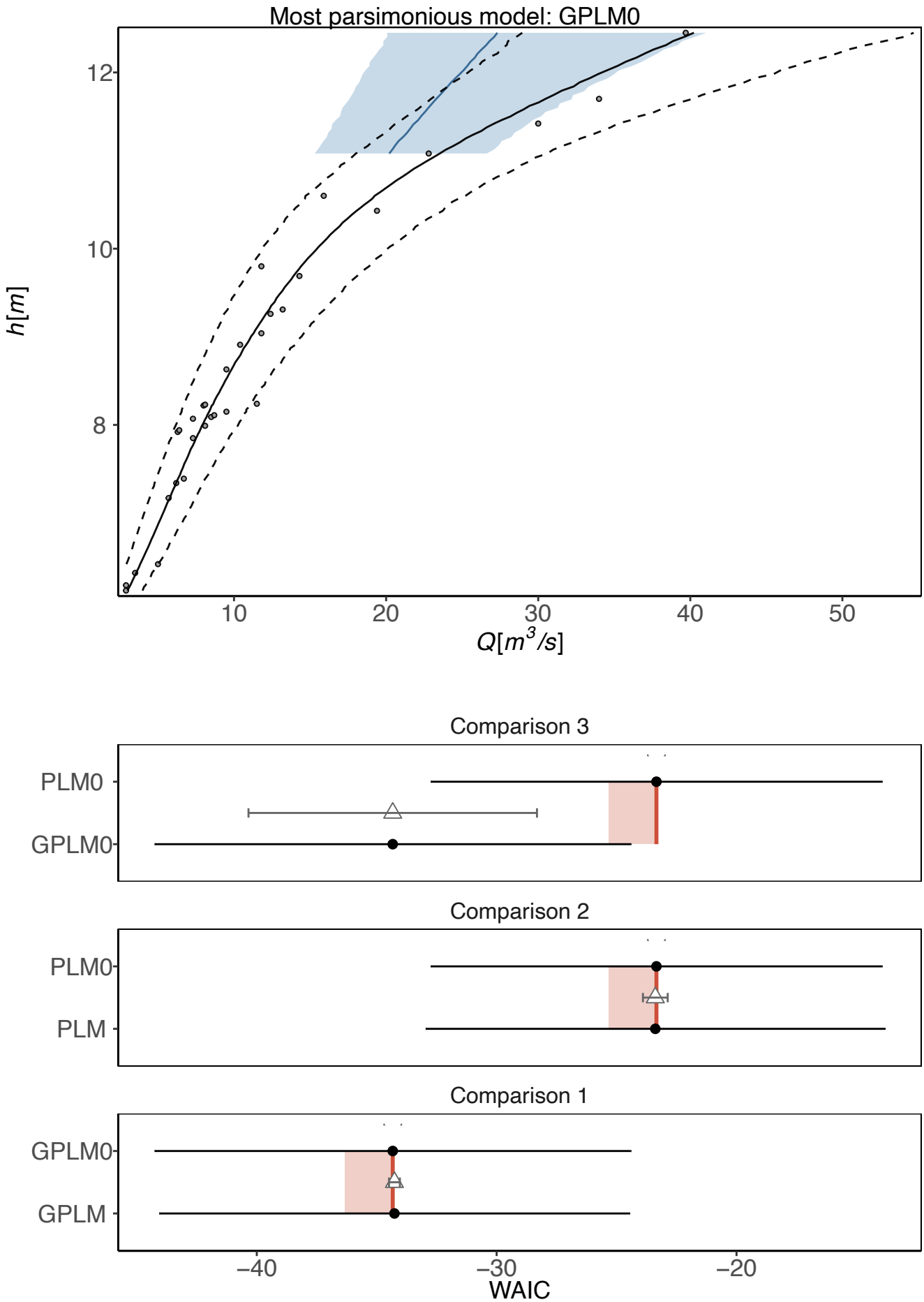
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.42	[0.10; 1.32]	2686	1.00
b	1.95	[1.46; 2.48]	2784	1.00
c	3.44	[2.16; 4.48]	2485	1.00
σ_η	0.09	[0.00; 0.47]	1573	1.00
η_1	–3.89	[–4.55; –3.29]	2451	1.00
η_2	–3.77	[–5.58; –1.88]	2564	1.00
η_3	–3.63	[–6.21; –1.13]	2697	1.00
η_4	–3.31	[–6.59; –0.33]	2936	1.00
η_5	–3.01	[–6.89; 0.42]	2682	1.00
η_6	–2.85	[–7.27; 1.16]	2535	1.00

Flatarhylur, Iceland – PLM0



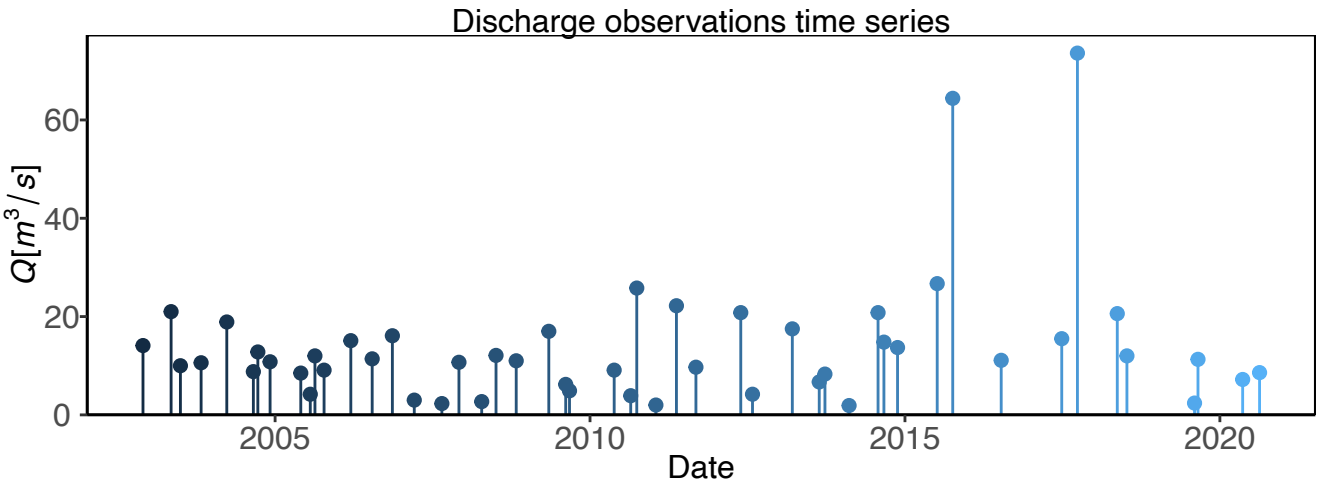
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.40	[0.09; 1.26]	9600	1.00
b	1.97	[1.50; 2.52]	9706	1.00
c	3.41	[2.10; 4.46]	9346	1.00
σ_ε	0.15	[0.12; 0.19]	9501	1.00

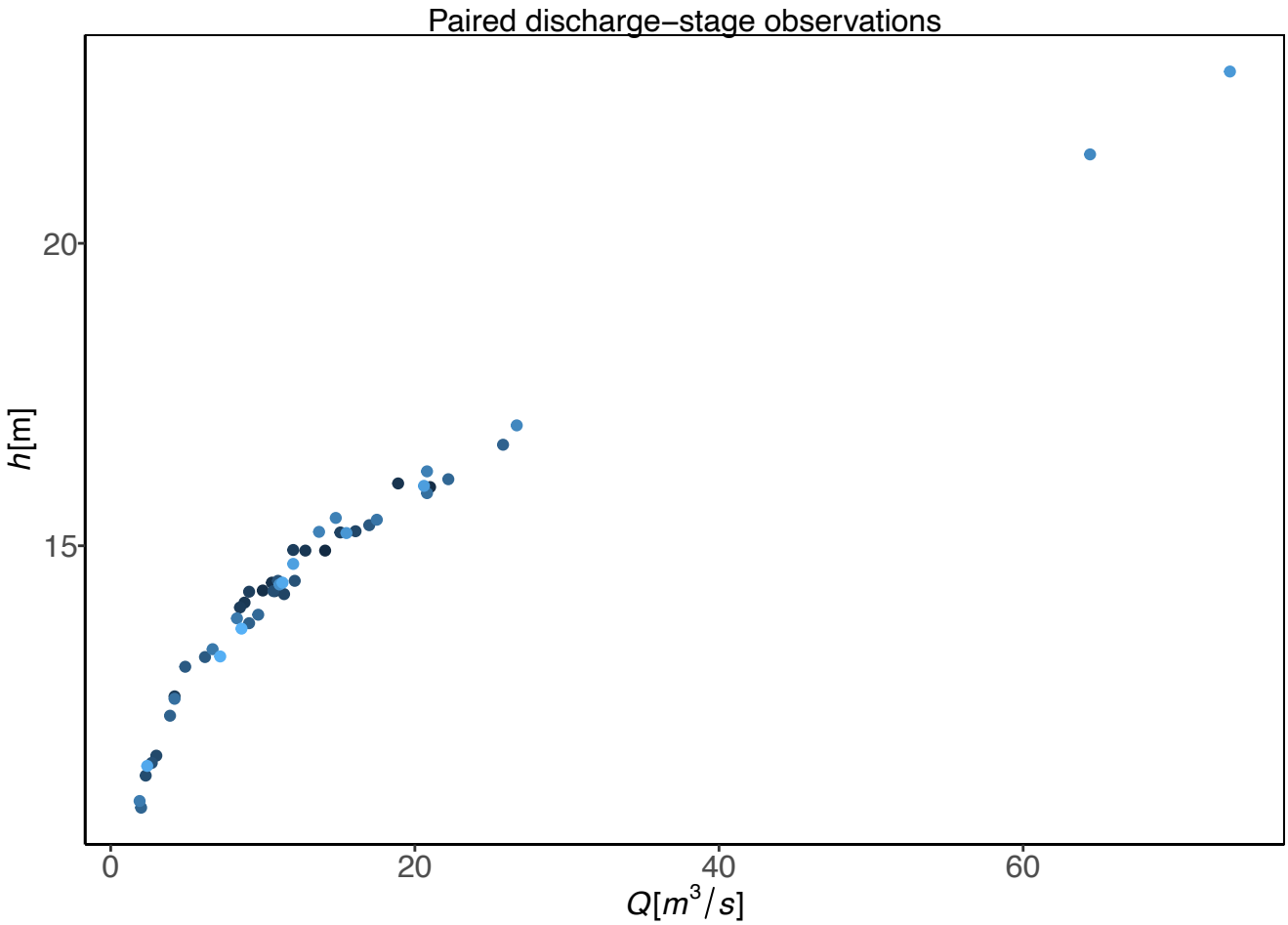
Power–law tournament results for Flatarhylur, Iceland



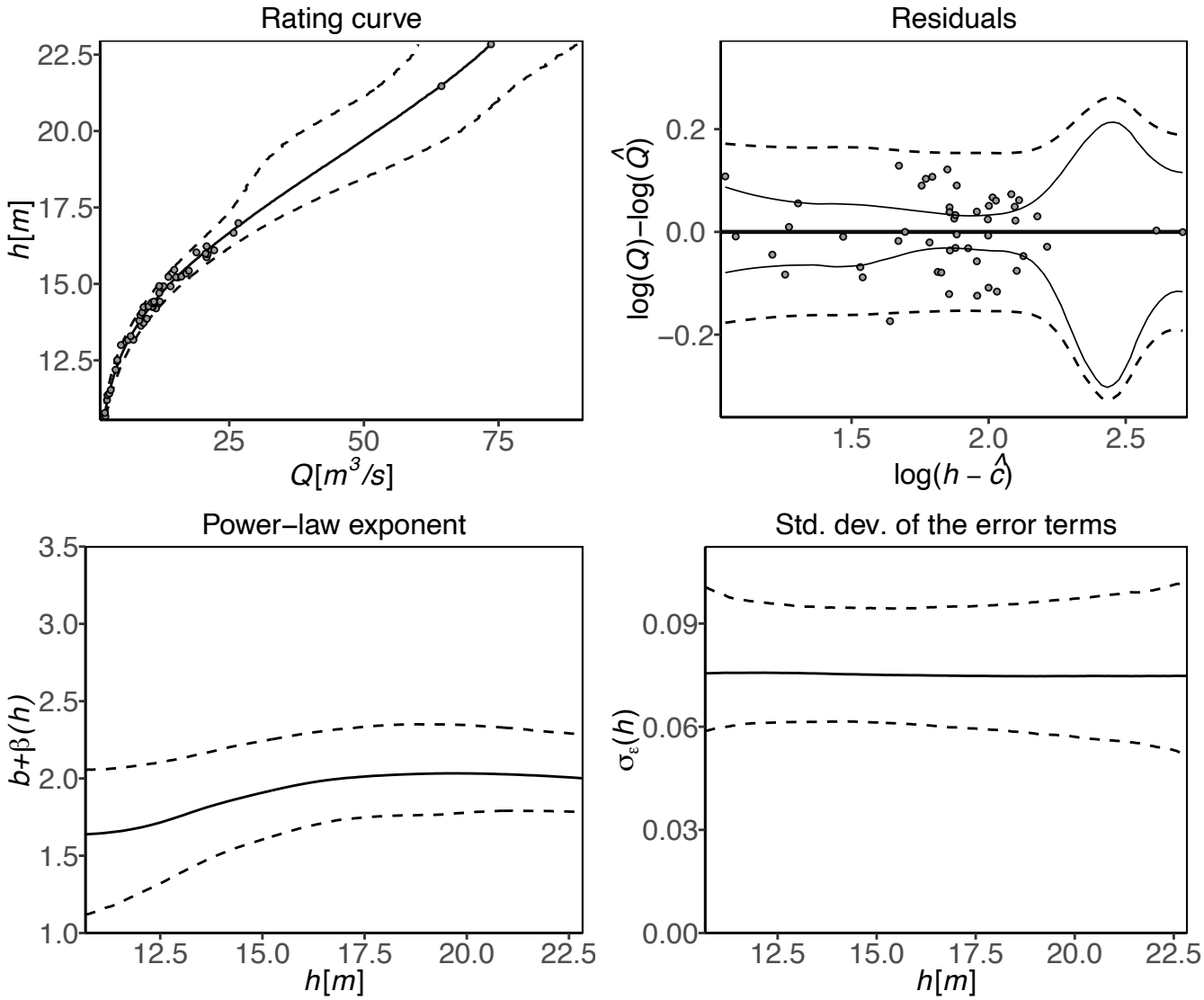
Station name:	Brúarhylur
Location:	Iceland
Station number:	V476
Number of observations:	50
Start date:	2002–11–27
End date:	2020–08–18
Max. discharge (m^3/s):	73.6
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.5
GPLM0	0.02	0.5
PLM	25.01	0.0
PLM0	25.23	0.0



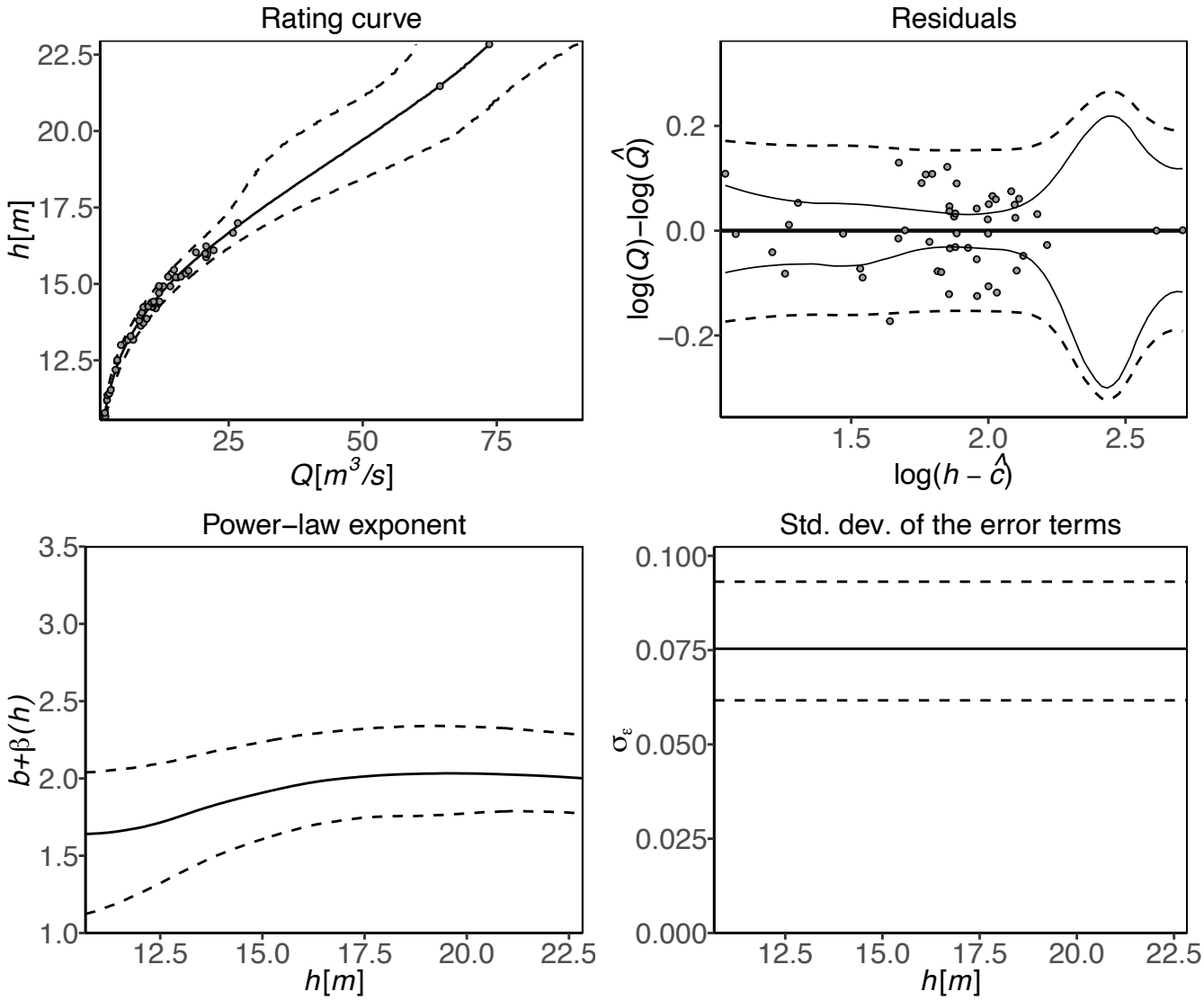


Brúarhylur, Iceland – GPLM



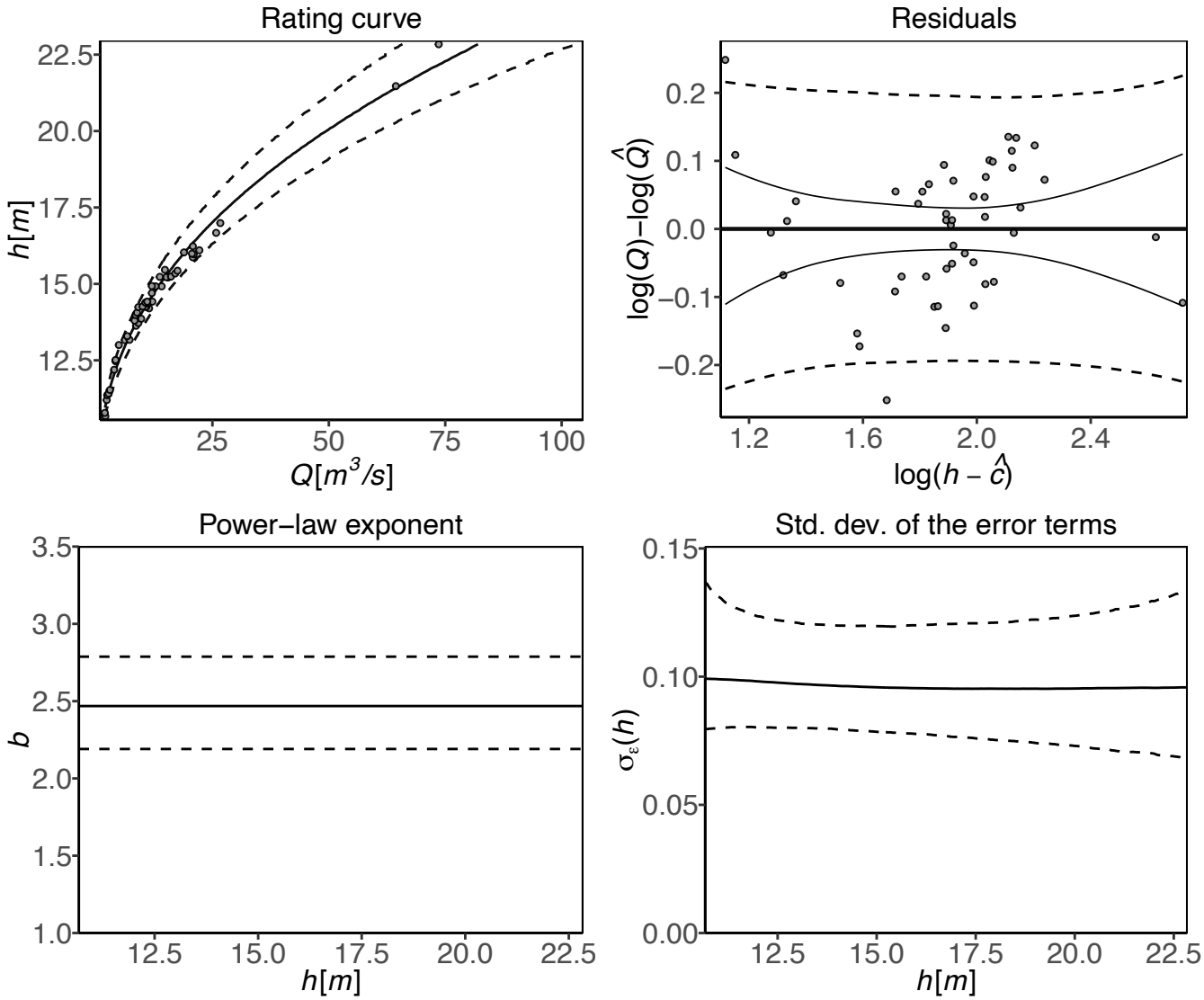
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.33	[0.13; 0.60]	3085	1.00
b	1.84	[1.83; 1.84]	10551	1.00
c	7.84	[6.64; 8.17]	1311	1.01
σ_β	0.23	[0.10; 0.67]	2384	1.00
ϕ_β	6.65	[2.32; 15.96]	2382	1.00
σ_η	0.08	[0.00; 0.42]	1477	1.00
η_1	–5.17	[–5.67; –4.59]	1810	1.00
η_2	–5.12	[–7.01; –3.31]	2199	1.00
η_3	–5.25	[–7.83; –2.72]	2340	1.00
η_4	–5.33	[–8.59; –2.16]	2304	1.00
η_5	–5.34	[–9.06; –1.60]	2240	1.00
η_6	–5.37	[–9.58; –1.15]	2388	1.00

Brúarhylur, Iceland – GPLM0



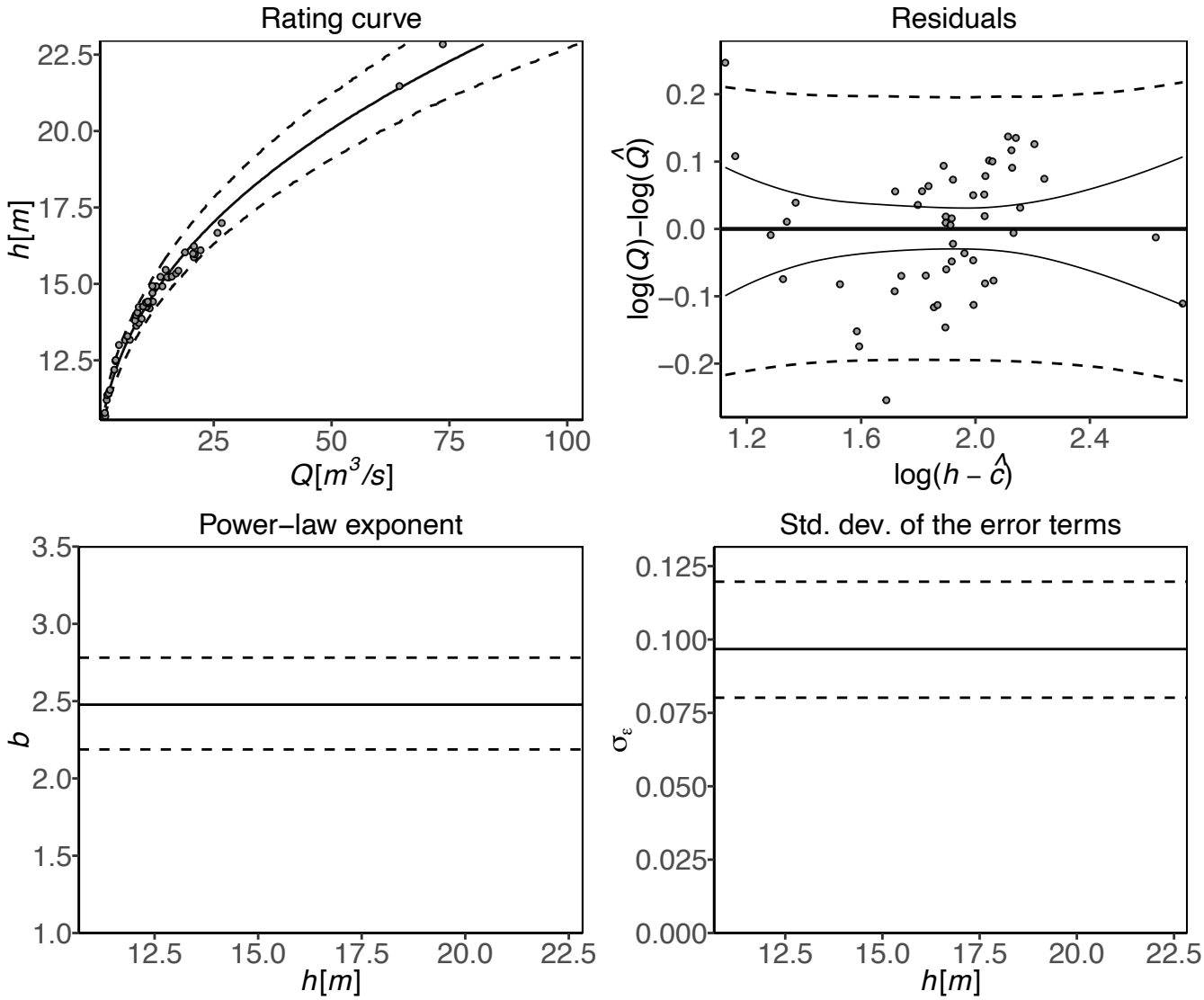
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.33	[0.13; 0.60]	5732	1.00
b	1.84	[1.83; 1.84]	13918	1.00
c	7.84	[6.68; 8.17]	2422	1.00
σ_ε	0.08	[0.06; 0.09]	5579	1.00
σ_β	0.48	[0.32; 0.82]	6537	1.00
ϕ_β	6.64	[2.32; 16.18]	5574	1.00

Brúarhylur, Iceland – PLM



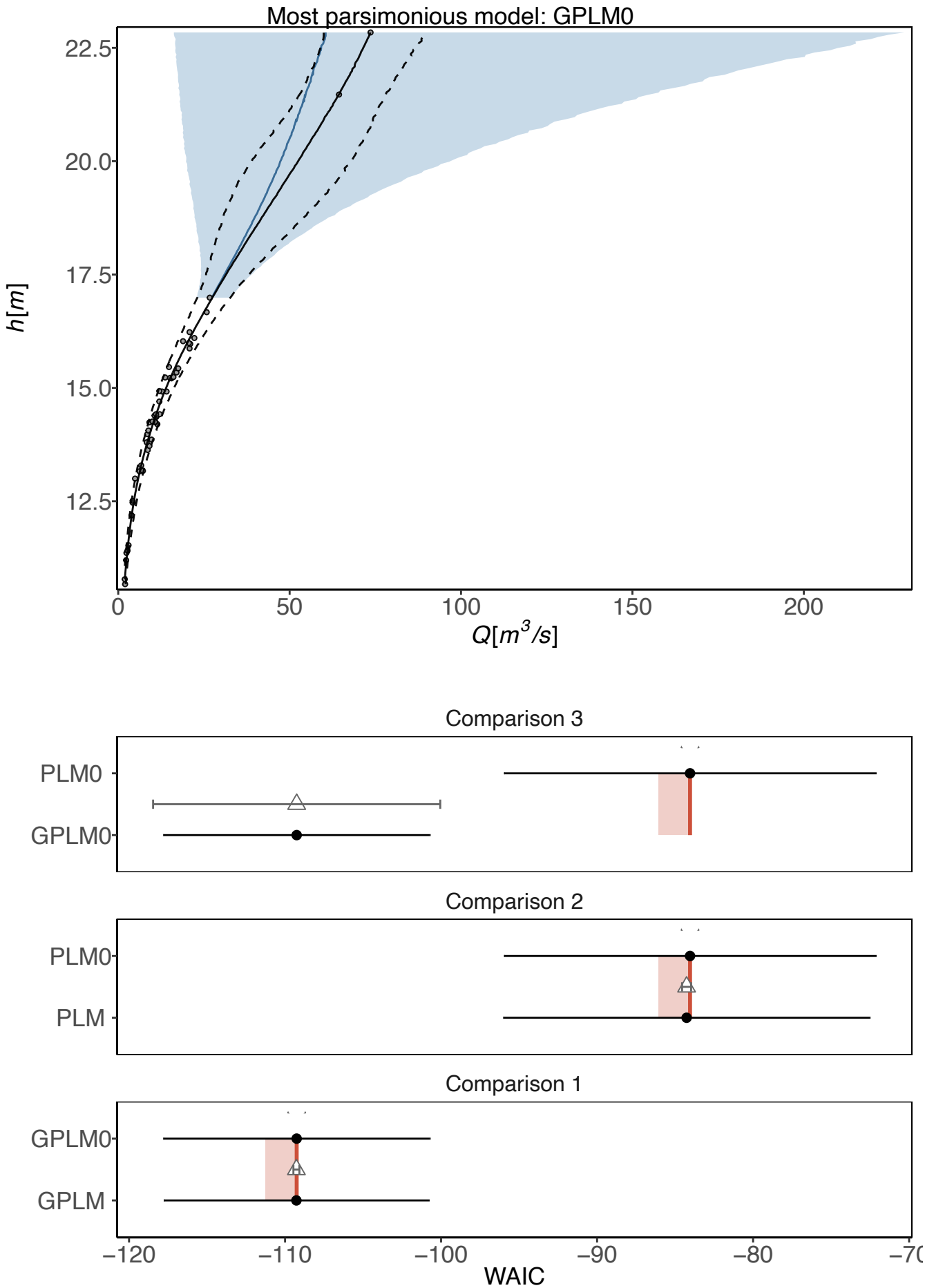
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.10	[0.04; 0.21]	2714	1.00
b	2.47	[2.19; 2.79]	2819	1.00
c	7.62	[6.88; 8.26]	2591	1.00
σ_η	0.09	[0.00; 0.46]	1808	1.00
η_1	–4.62	[–5.06; –3.98]	2022	1.00
η_2	–4.81	[–6.55; –3.00]	2596	1.00
η_3	–5.06	[–7.52; –2.41]	2794	1.00
η_4	–5.13	[–8.17; –1.87]	2727	1.00
η_5	–5.11	[–8.70; –1.31]	2678	1.00
η_6	–5.11	[–9.11; –0.80]	2787	1.00

Brúarhylur, Iceland – PLM0



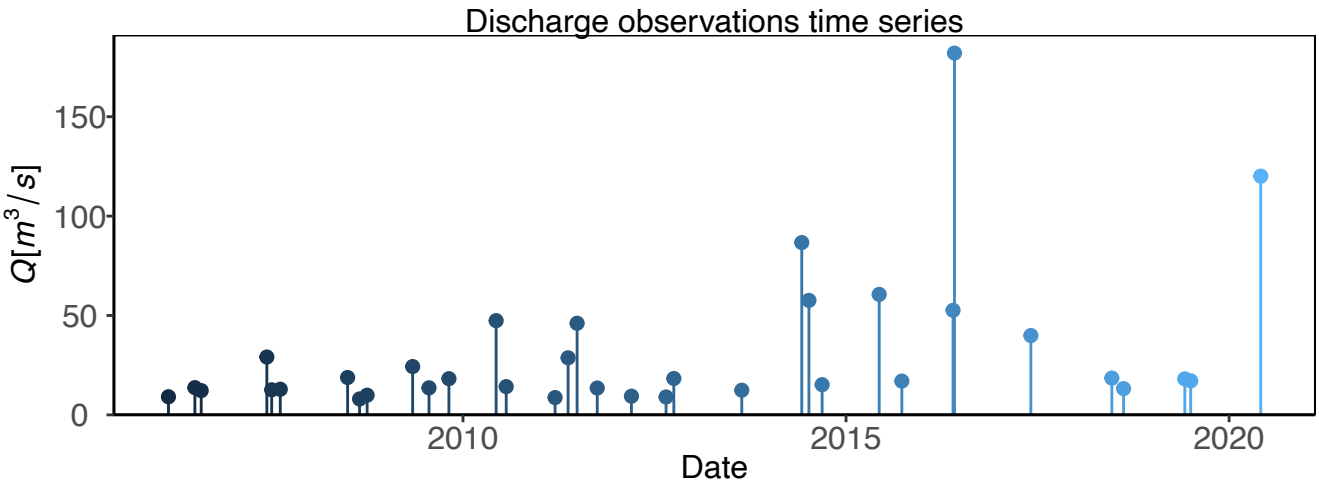
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.10	[0.04; 0.21]	9685	1.00
b	2.48	[2.19; 2.78]	9794	1.00
c	7.59	[6.86; 8.24]	9325	1.00
σ_ε	0.10	[0.08; 0.12]	9329	1.00

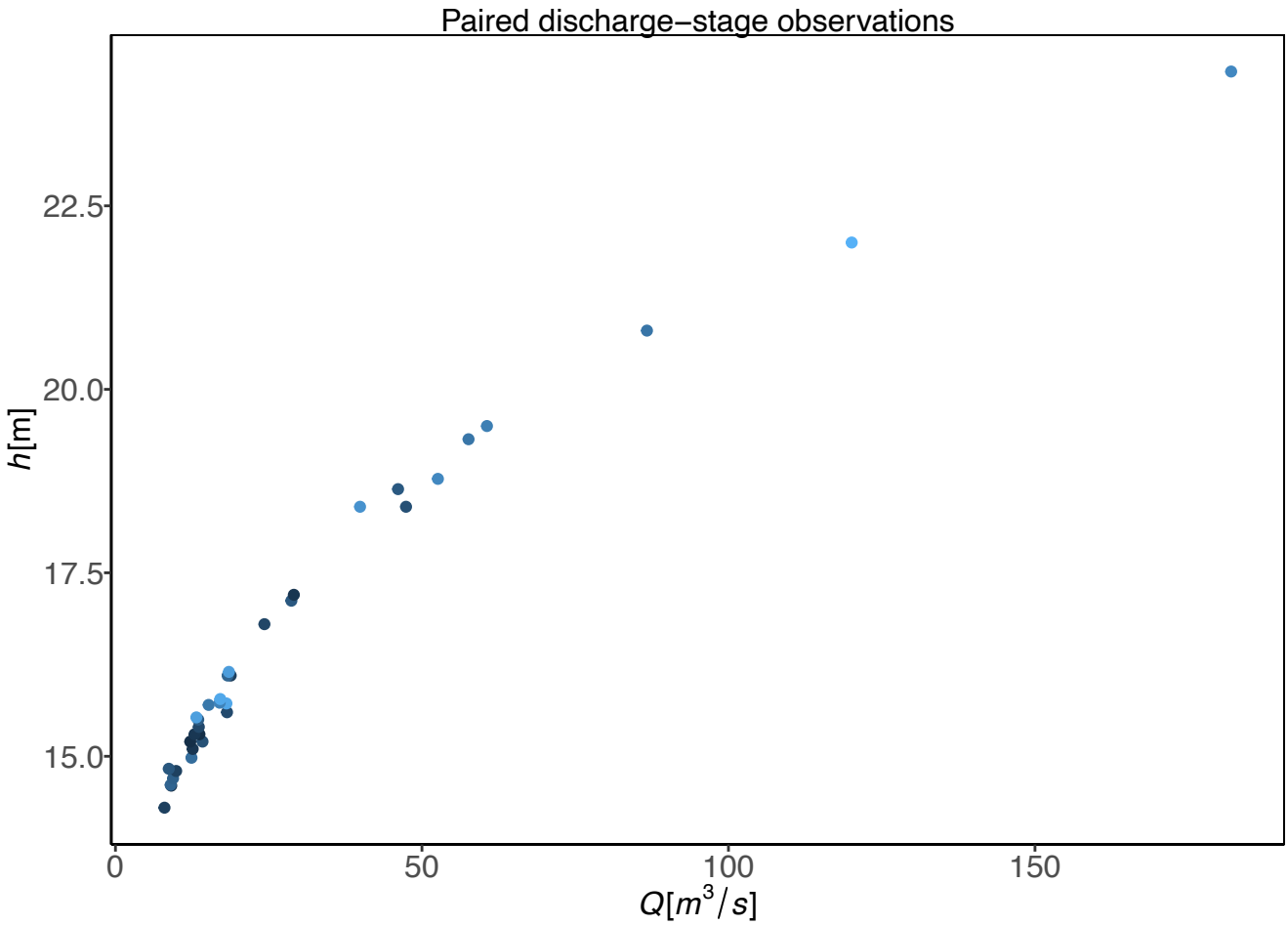
Power−law tournament results for Brúarhylur, Iceland



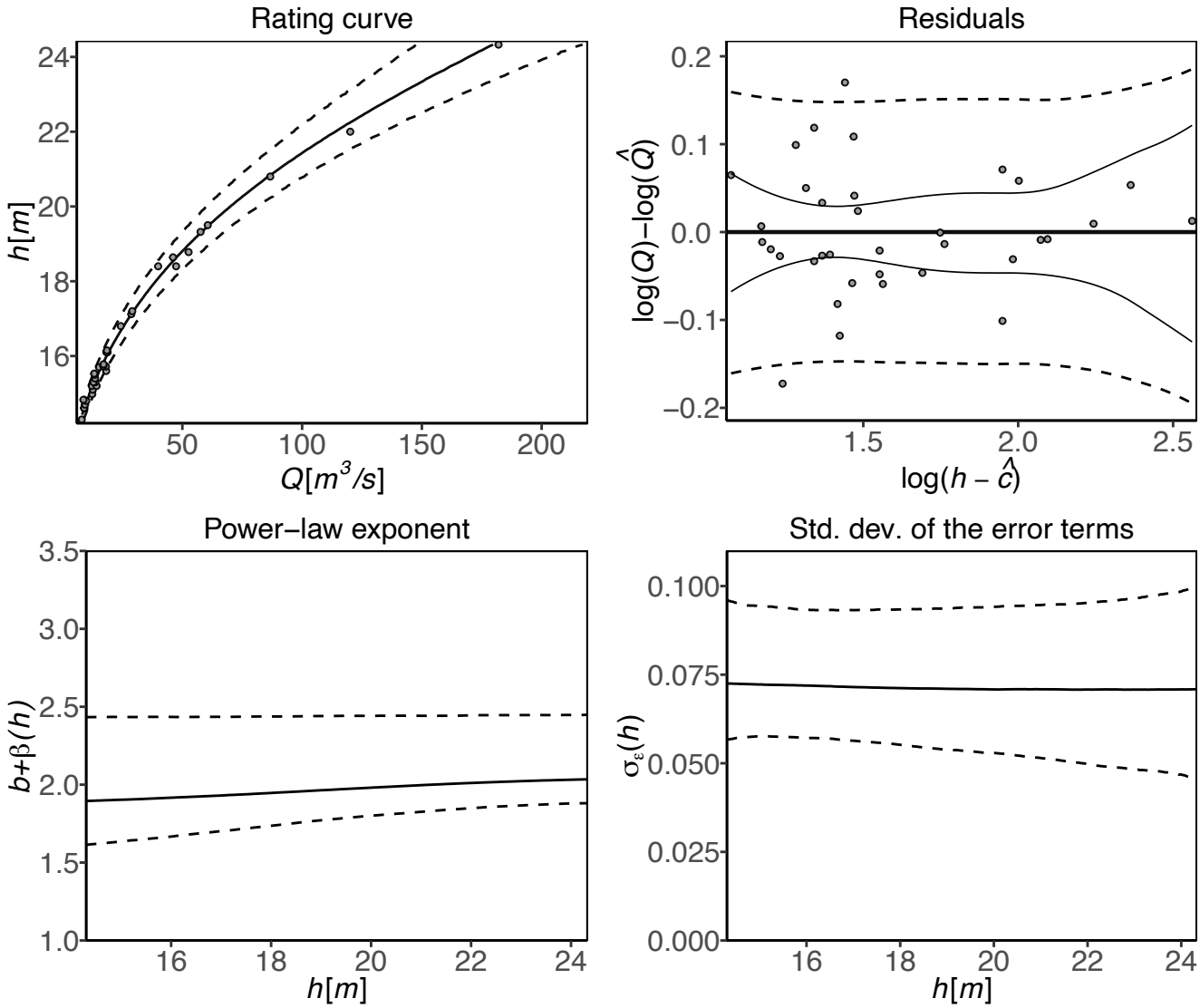
Station name:	Hróaldsstaðir
Location:	Iceland
Station number:	V48
Number of observations:	35
Start date:	2006–02–27
End date:	2020–05–31
Max. discharge (m^3/s):	182
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.37
GPLM0	0.16	0.34
PLM	1.81	0.15
PLM0	2.08	0.13



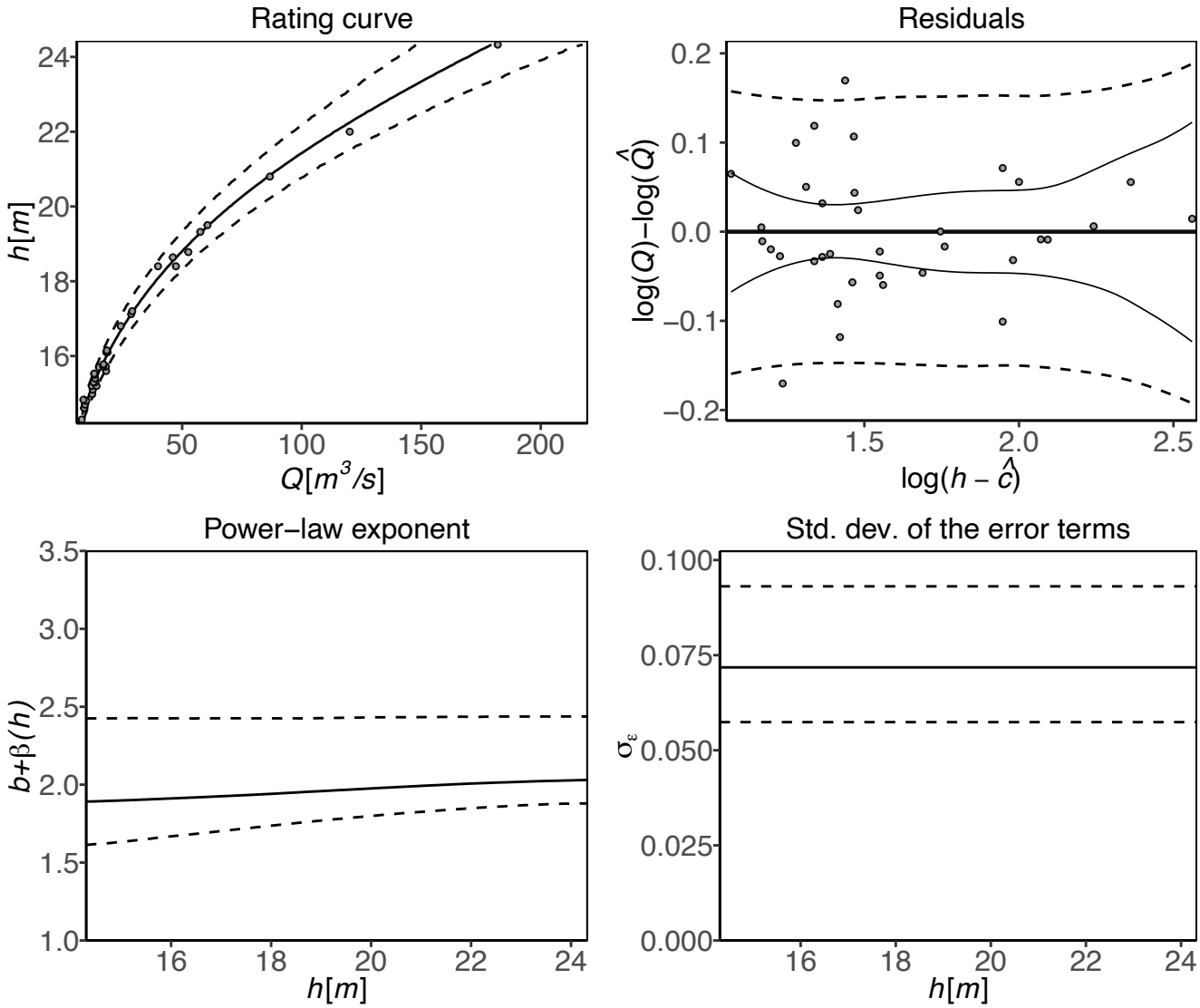


Hróaldsstaðir, Iceland – GPLM



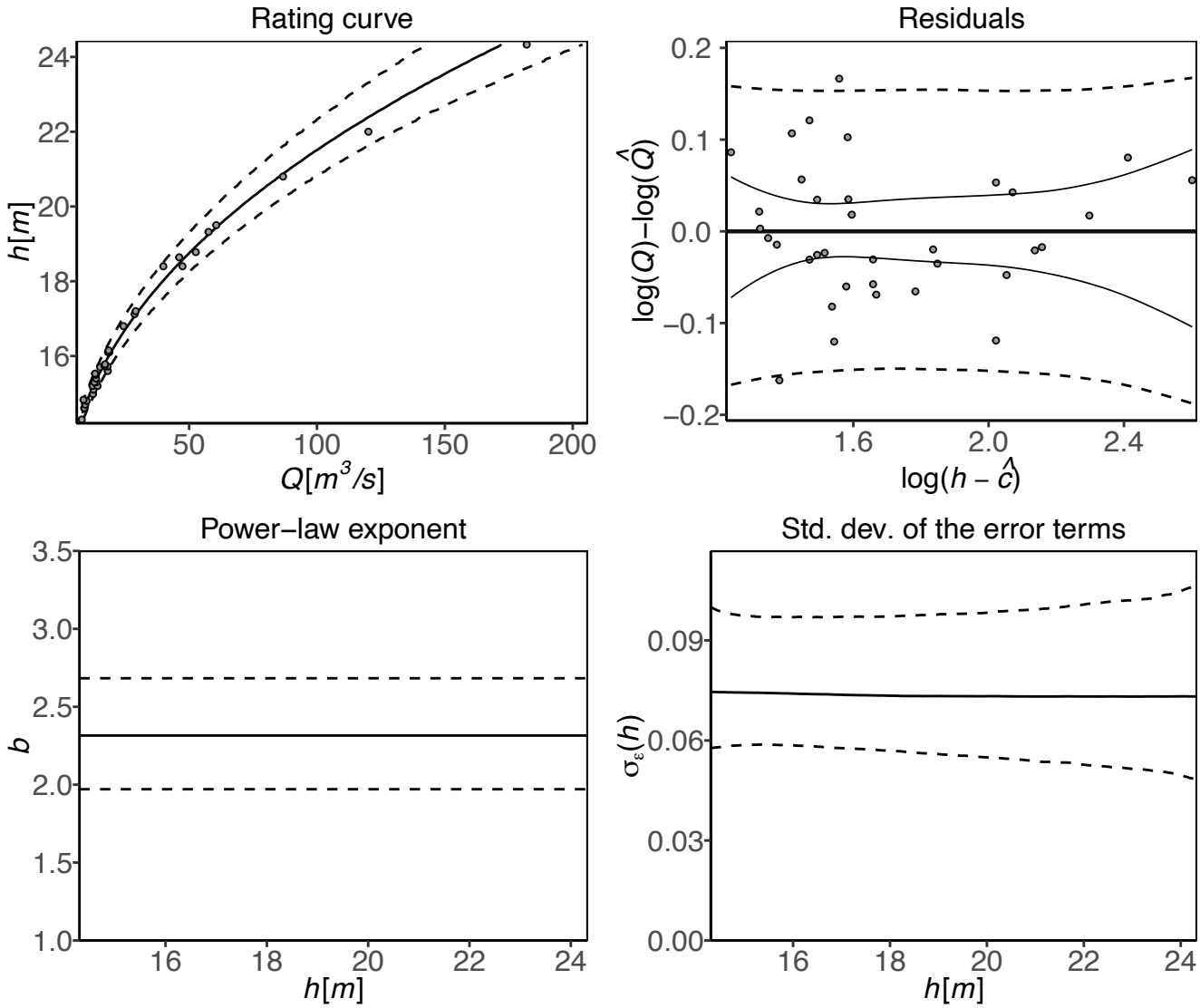
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.99	[0.29; 1.50]	1745	1.01
b	1.84	[1.83; 1.84]	10591	1.00
c	11.38	[10.36; 11.63]	1381	1.01
σ_β	0.22	[0.07; 0.68]	2364	1.00
ϕ_β	19.42	[4.21; 3730.38]	891	1.03
σ_η	0.08	[0.00; 0.41]	1527	1.00
η_1	−5.25	[−5.74; −4.69]	2167	1.00
η_2	−5.29	[−7.15; −3.37]	2261	1.00
η_3	−5.48	[−7.97; −2.71]	2430	1.00
η_4	−5.59	[−8.73; −2.22]	2505	1.00
η_5	−5.64	[−9.29; −1.69]	2370	1.00
η_6	−5.62	[−9.84; −1.33]	2389	1.00

Hróaldsstaðir, Iceland – GPLM0



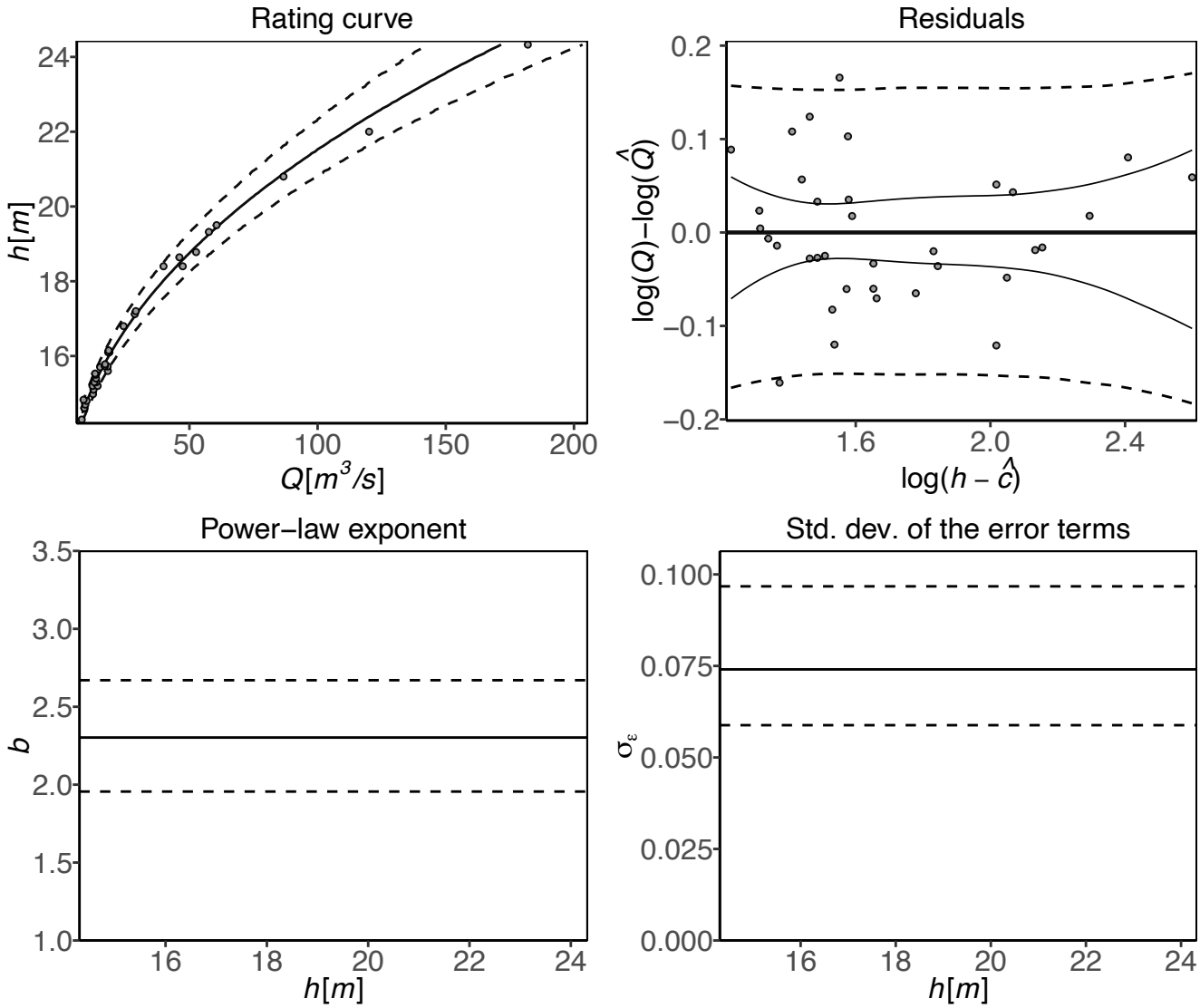
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.00	[0.29; 1.50]	2718	1.00
b	1.84	[1.83; 1.84]	11739	1.00
c	11.39	[10.41; 11.63]	2559	1.00
σ_ε	0.07	[0.06; 0.09]	4677	1.00
σ_β	0.46	[0.26; 0.82]	5452	1.00
ϕ_β	18.83	[4.13; 4189.21]	1054	1.01

Hróaldsstaðir, Iceland – PLM



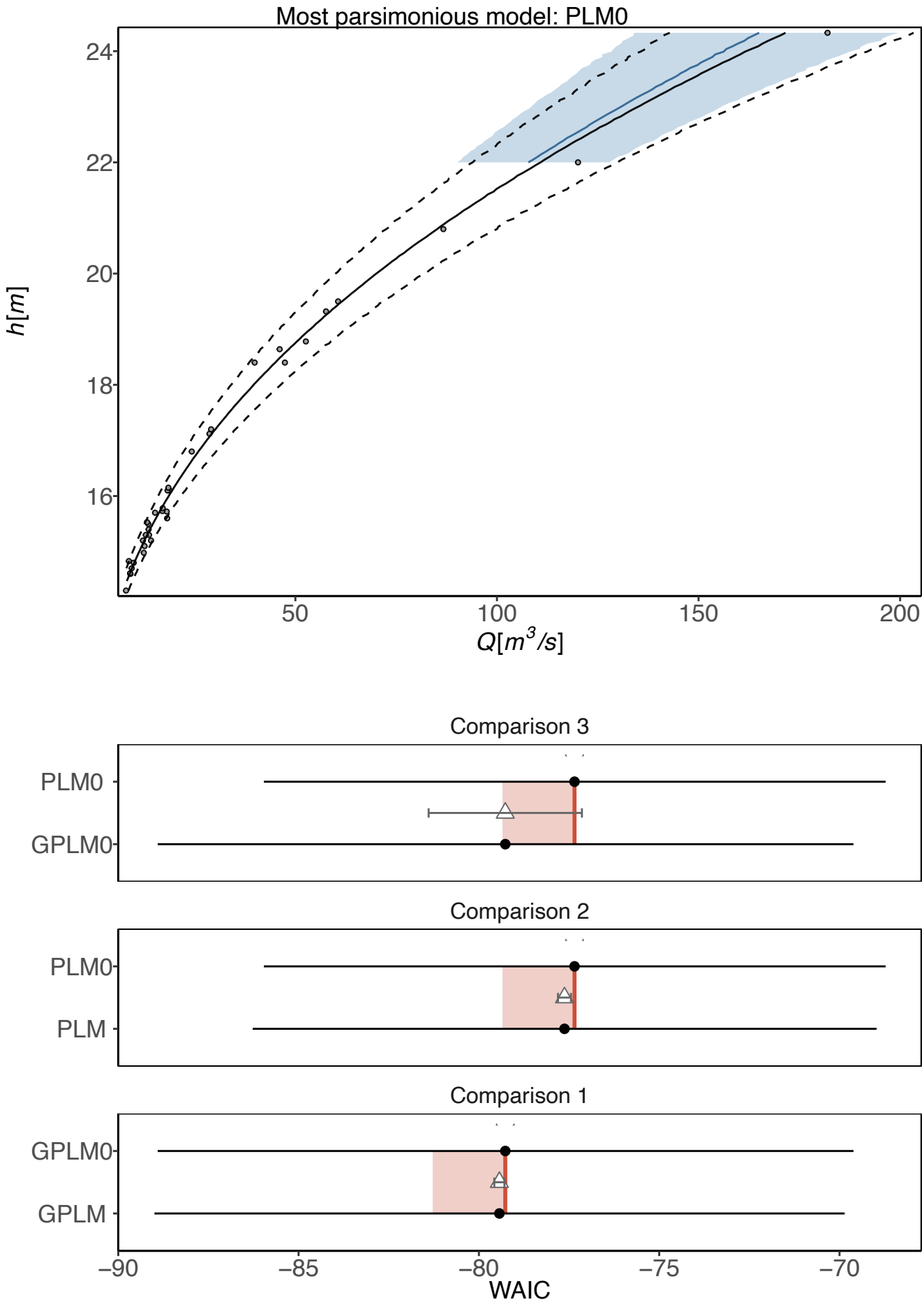
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.42	[0.14; 1.07]	2811	1.00
b	2.32	[1.97; 2.68]	2836	1.00
c	10.85	[9.86; 11.73]	2694	1.00
σ_η	0.08	[0.00; 0.41]	1807	1.00
η_1	–5.19	[–5.71; –4.61]	2524	1.00
η_2	–5.21	[–7.09; –3.31]	2740	1.00
η_3	–5.32	[–7.99; –2.67]	2755	1.00
η_4	–5.40	[–8.59; –1.99]	2950	1.00
η_5	–5.41	[–9.19; –1.59]	2999	1.00
η_6	–5.40	[–9.68; –1.02]	2891	1.00

Hróaldsstaðir, Iceland – PLM0



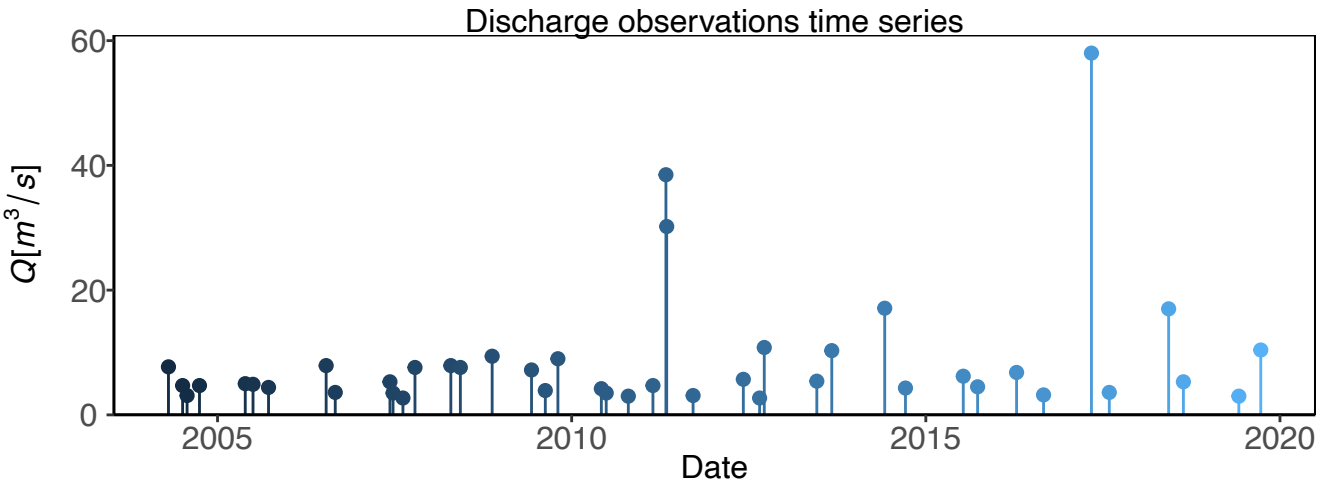
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.43	[0.15; 1.11]	9179	1.00
b	2.30	[1.96; 2.67]	9229	1.00
c	10.88	[9.90; 11.75]	8854	1.00
σ_ε	0.07	[0.06; 0.10]	9098	1.00

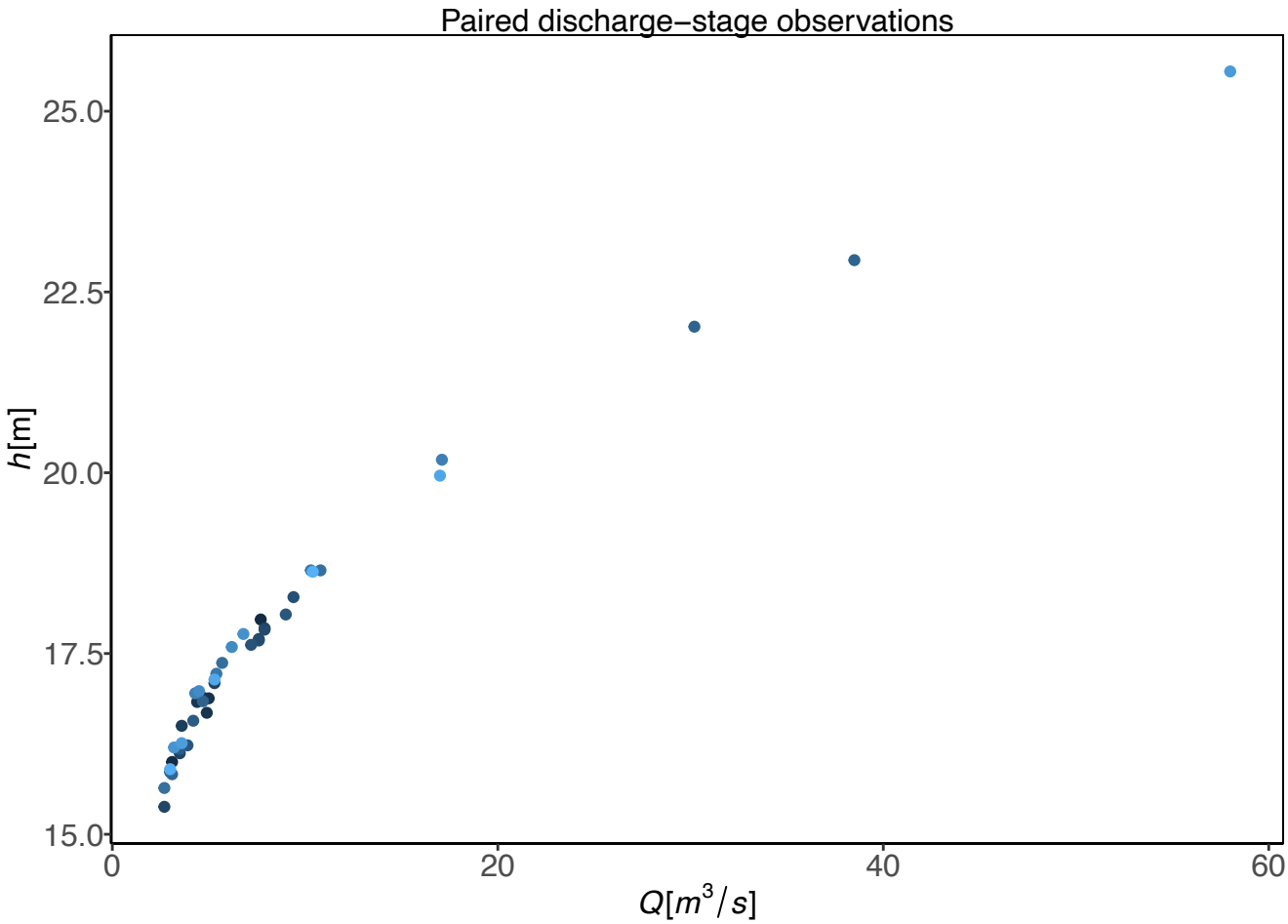
Power−law tournament results for Hróaldsstaðir, Iceland



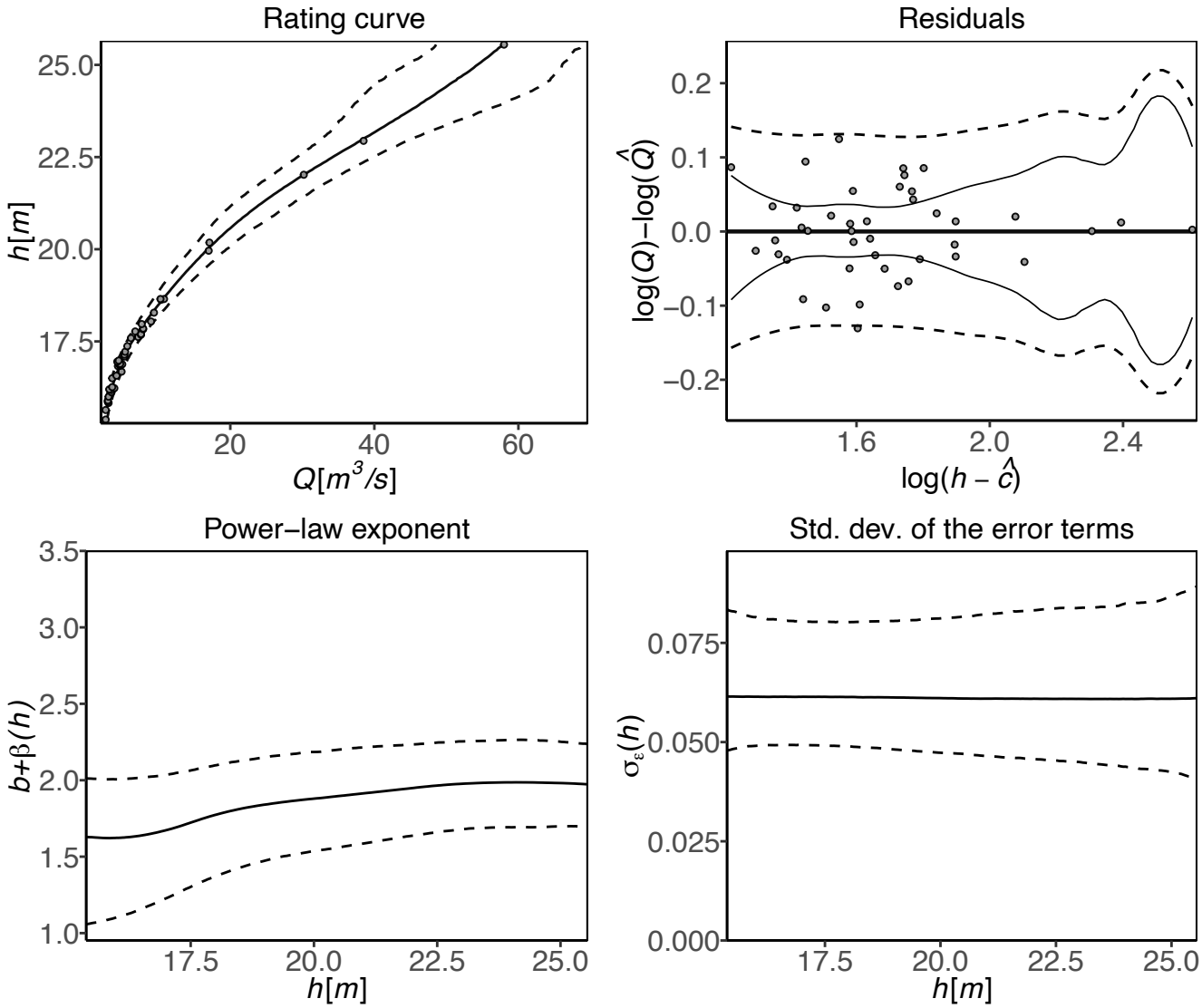
Station name:	Kolugil
Location:	Iceland
Station number:	V486
Number of observations:	43
Start date:	2004–04–23
End date:	2019–09–24
Max. discharge (m^3/s):	58
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.28	0.46
GPLM0	0.00	0.54
PLM	20.20	0.00
PLM0	20.54	0.00



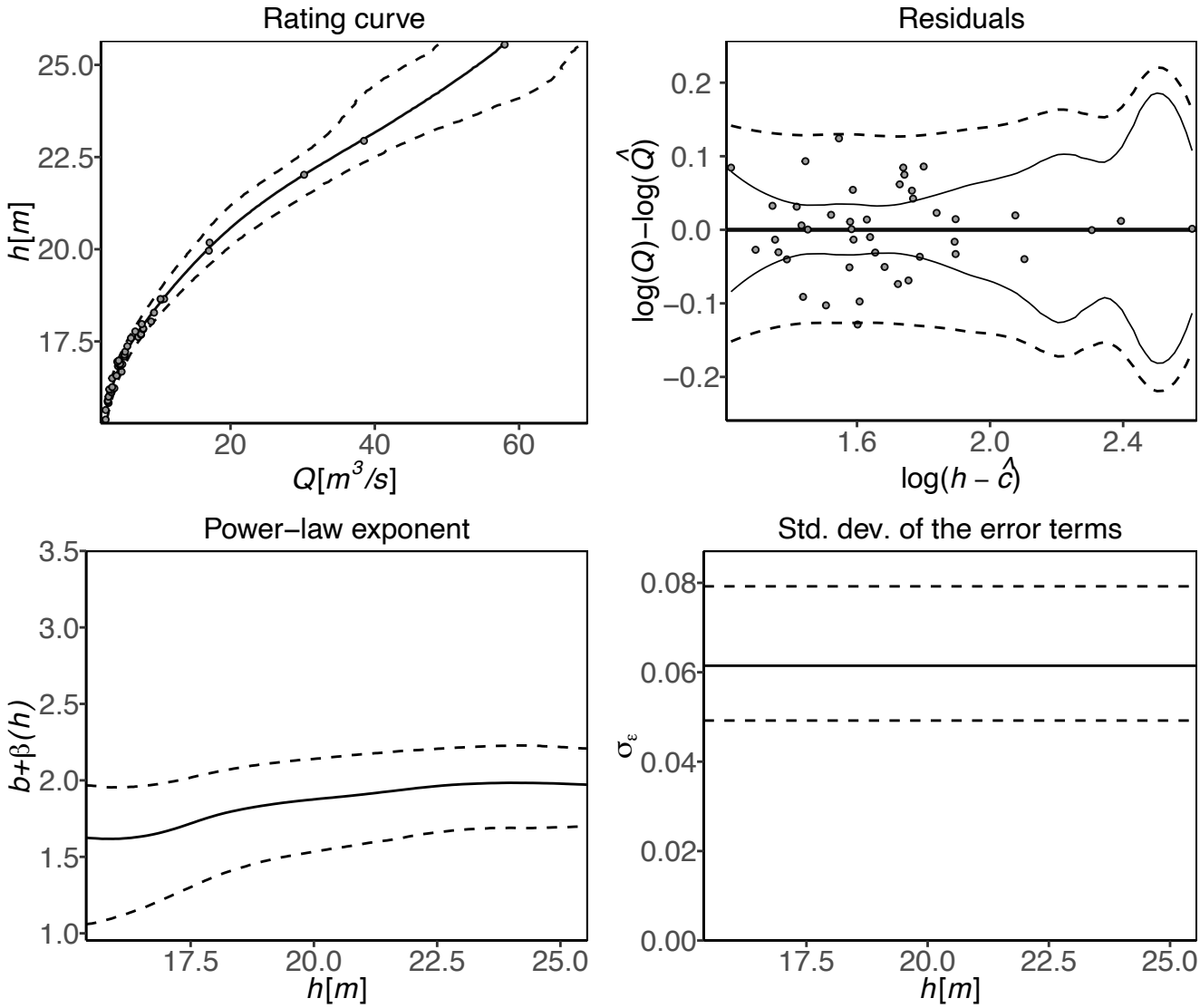


Kolugil, Iceland – GPLM



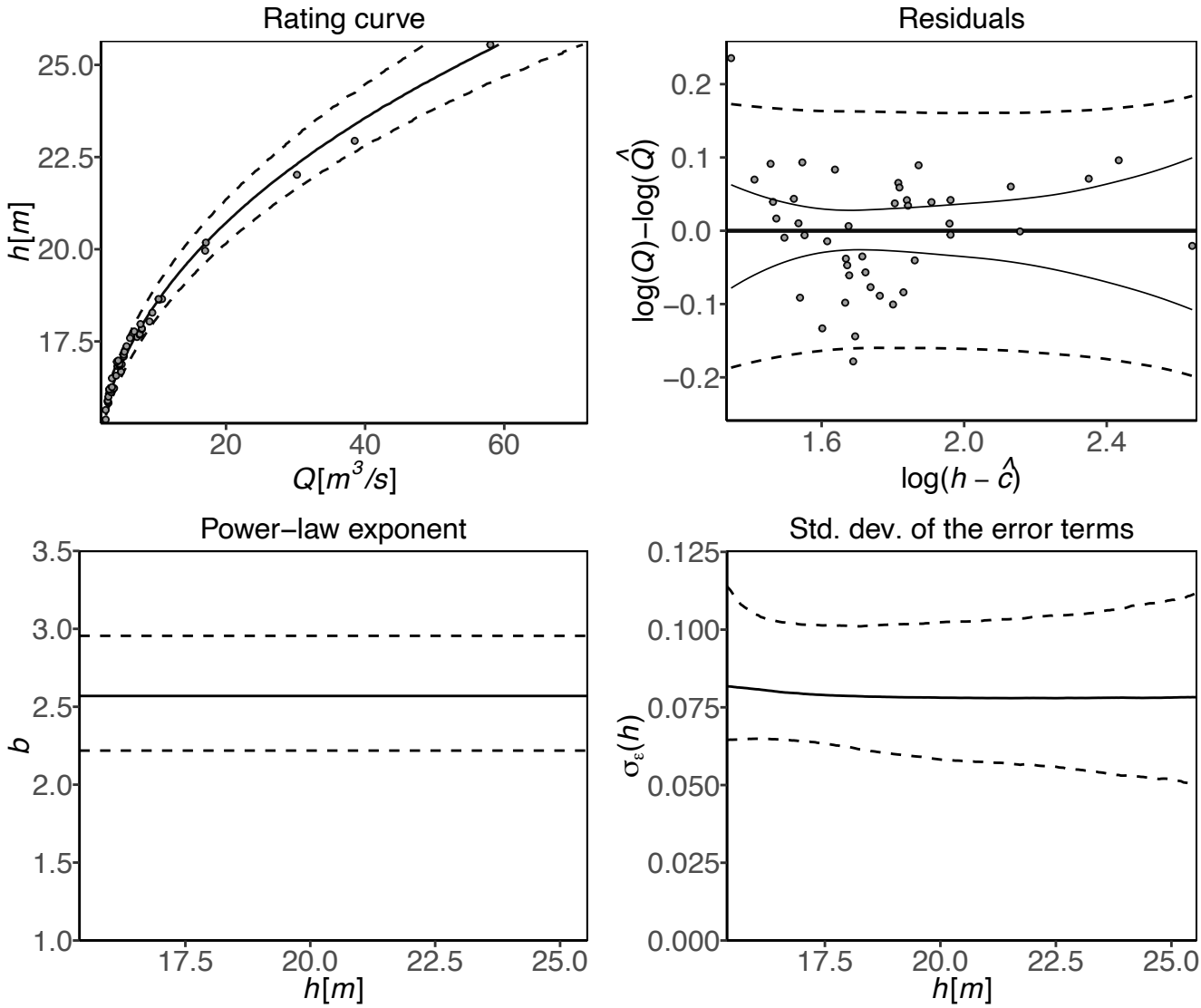
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.33	[0.15; 0.68]	2694	1.00
b	1.84	[1.83; 1.84]	11384	1.00
c	11.98	[10.77; 12.29]	1527	1.00
σ_β	0.19	[0.09; 0.61]	2196	1.01
ϕ_β	4.19	[1.79; 13.52]	1258	1.01
σ_η	0.08	[0.00; 0.44]	1403	1.00
η_1	–5.58	[–6.08; –4.97]	1719	1.00
η_2	–5.56	[–7.40; –3.66]	2322	1.00
η_3	–5.65	[–8.22; –2.93]	2272	1.00
η_4	–5.71	[–8.94; –2.37]	2472	1.00
η_5	–5.71	[–9.58; –1.88]	2428	1.00
η_6	–5.69	[–9.98; –1.30]	2495	1.00

Kolugil, Iceland – GPLM0



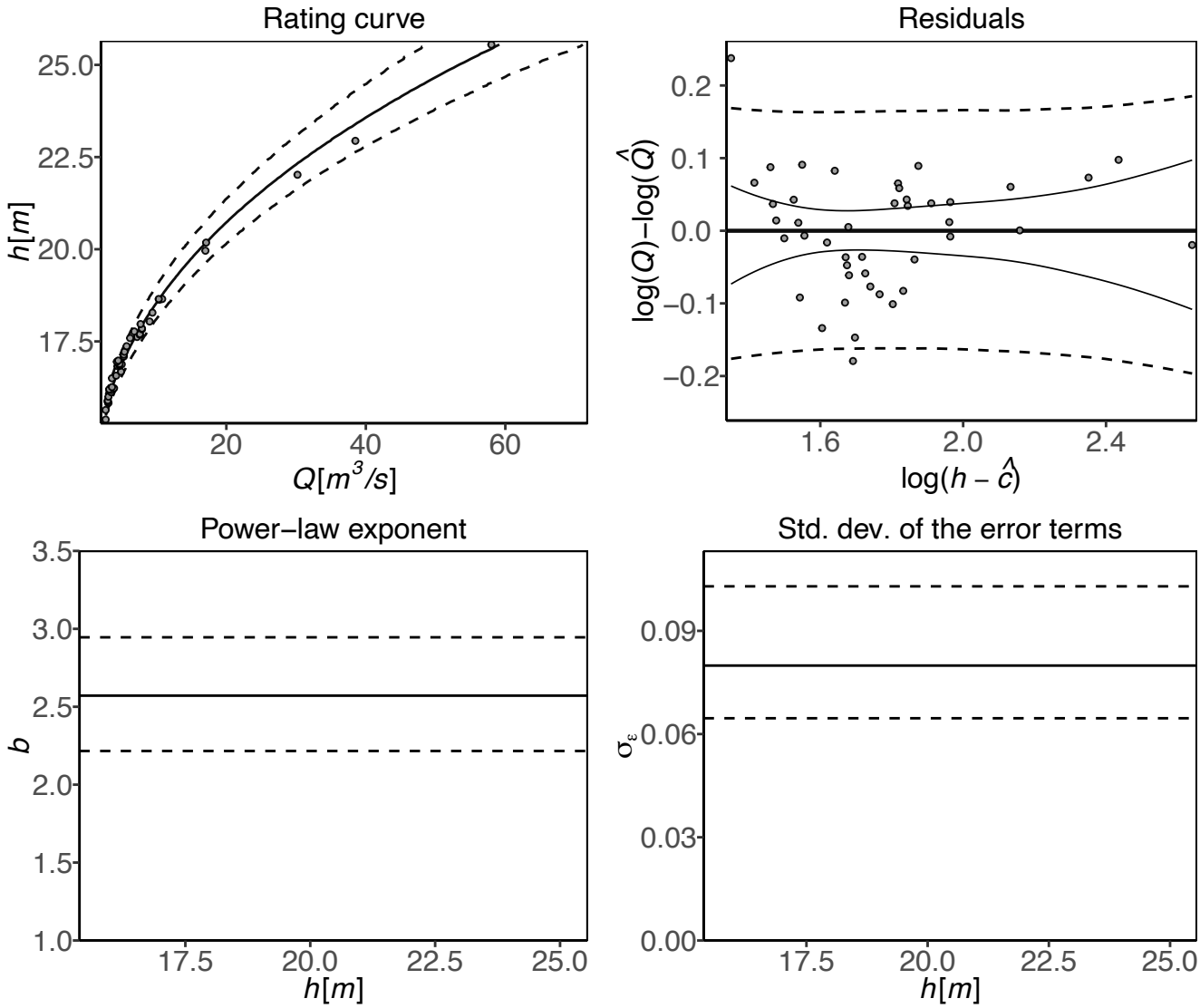
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.34	[0.16; 0.69]	8562	1.00
b	1.84	[1.83; 1.84]	14045	1.00
c	11.99	[10.76; 12.29]	3254	1.00
σ_ε	0.06	[0.05; 0.08]	5165	1.00
σ_β	0.44	[0.30; 0.77]	5559	1.00
ϕ_β	4.16	[1.75; 12.03]	3993	1.00

Kolugil, Iceland – PLM



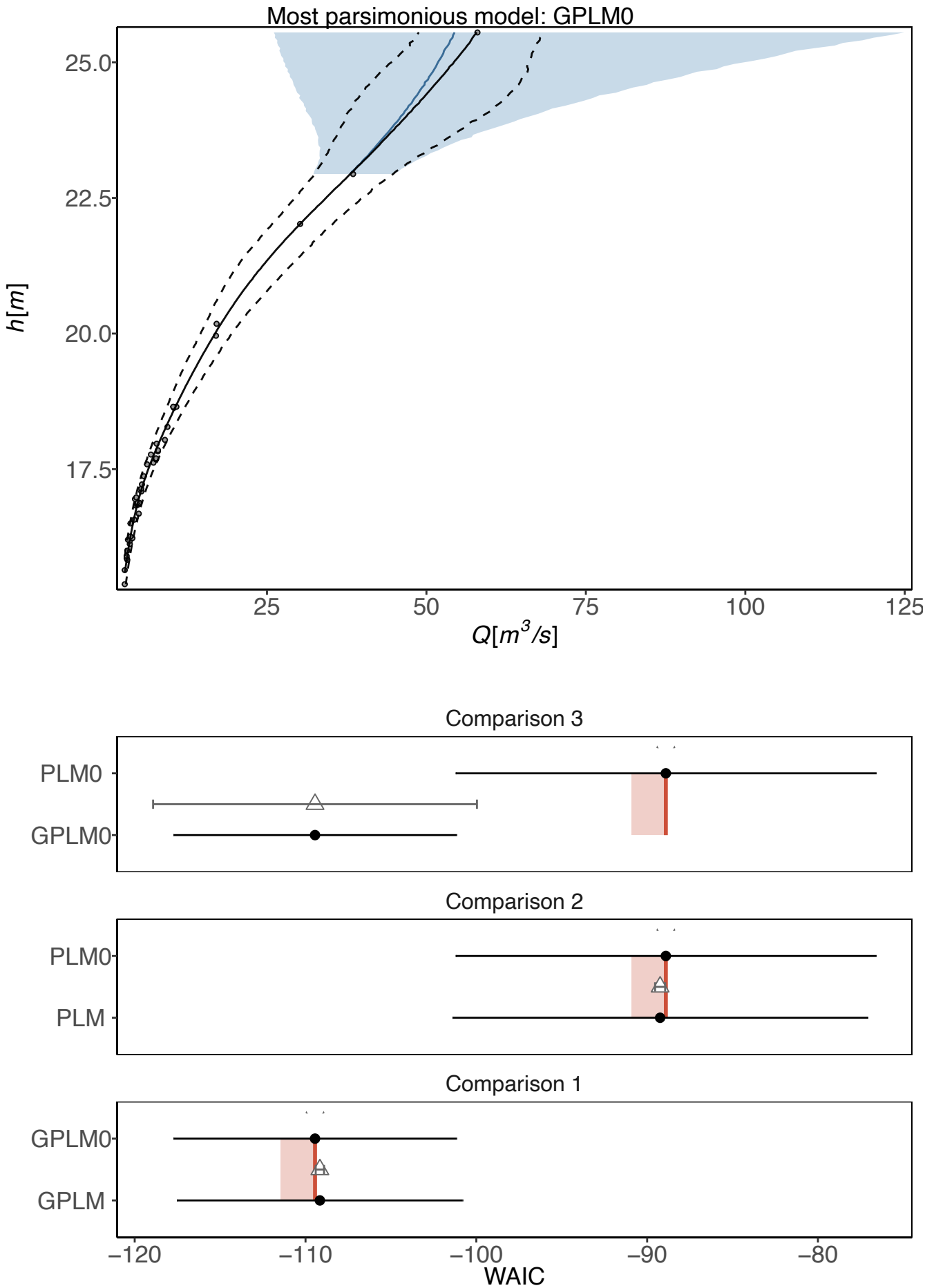
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.07	[0.02; 0.18]	2615	1.00
b	2.57	[2.22; 2.96]	2702	1.00
c	11.54	[10.54; 12.41]	2504	1.00
σ_η	0.09	[0.00; 0.48]	1669	1.00
η_1	–5.01	[–5.48; –4.34]	2231	1.00
η_2	–5.29	[–7.11; –3.37]	2612	1.00
η_3	–5.51	[–8.12; –2.77]	2685	1.00
η_4	–5.56	[–8.79; –2.16]	2962	1.00
η_5	–5.56	[–9.31; –1.60]	2616	1.00
η_6	–5.58	[–9.83; –1.18]	2845	1.00

Kolugil, Iceland – PLM0



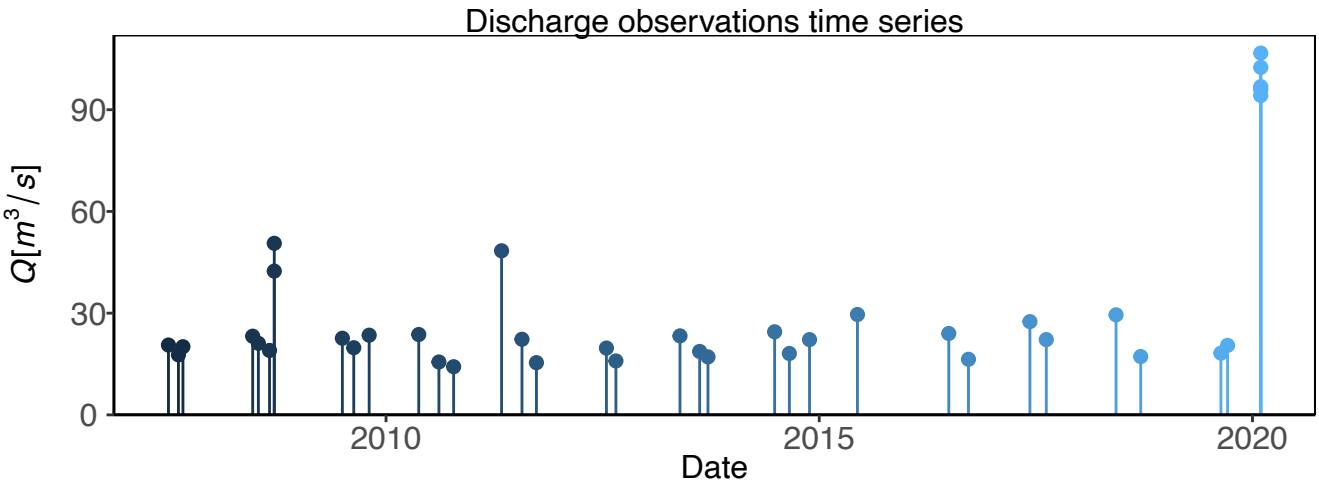
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.07	[0.02; 0.18]	9466	1.00
b	2.57	[2.22; 2.95]	9546	1.00
c	11.52	[10.56; 12.42]	9327	1.00
σ_ε	0.08	[0.06; 0.10]	8781	1.00

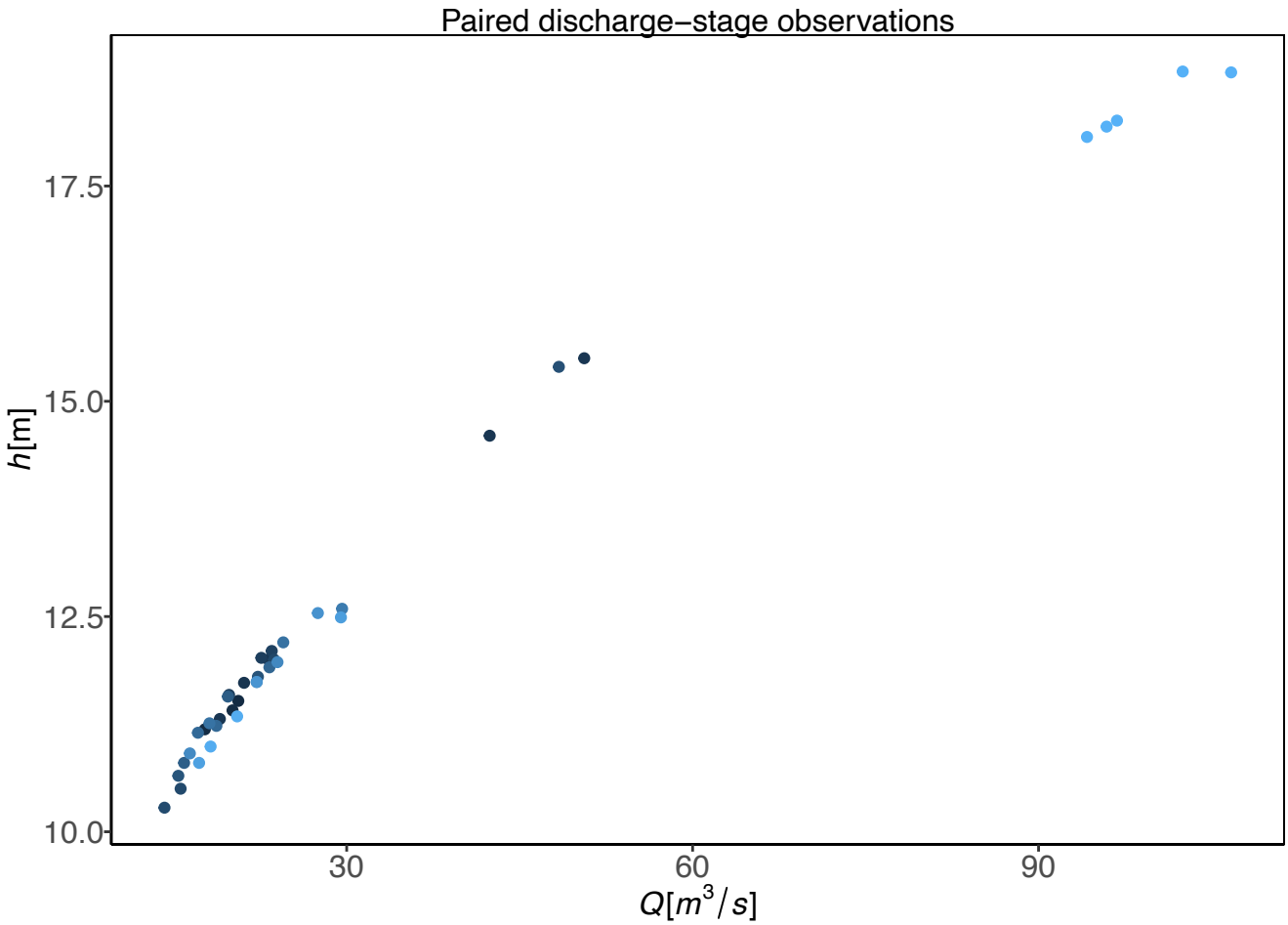
Power−law tournament results for Kolugil, Iceland



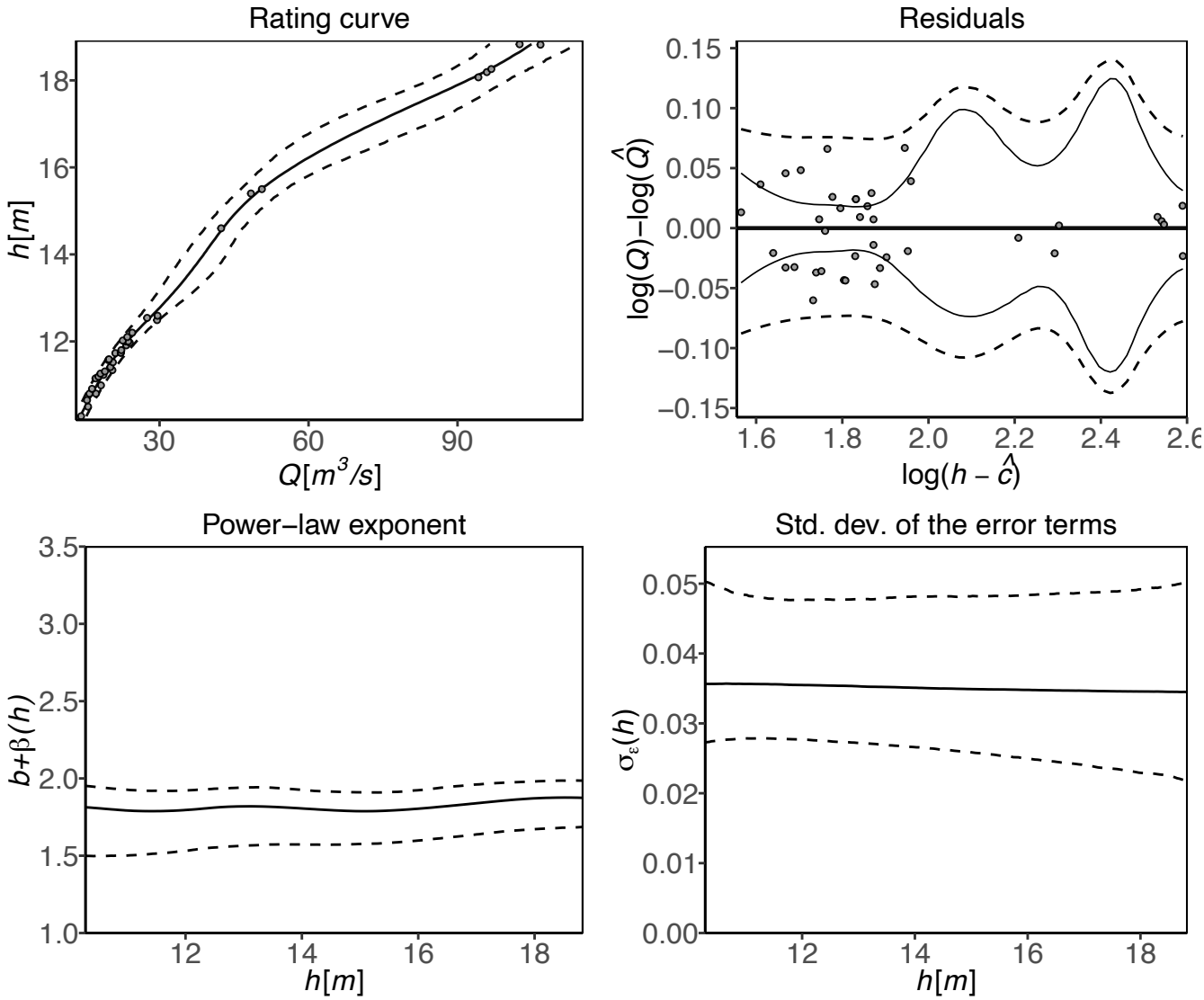
Station name:	Krappi
Location:	Iceland
Station number:	V504
Number of observations:	39
Start date:	2007–06–29
End date:	2020–02–05
Max. discharge (m^3/s):	106.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.52
GPLM0	0.12	0.48
PLM	26.01	0.00
PLM0	26.36	0.00



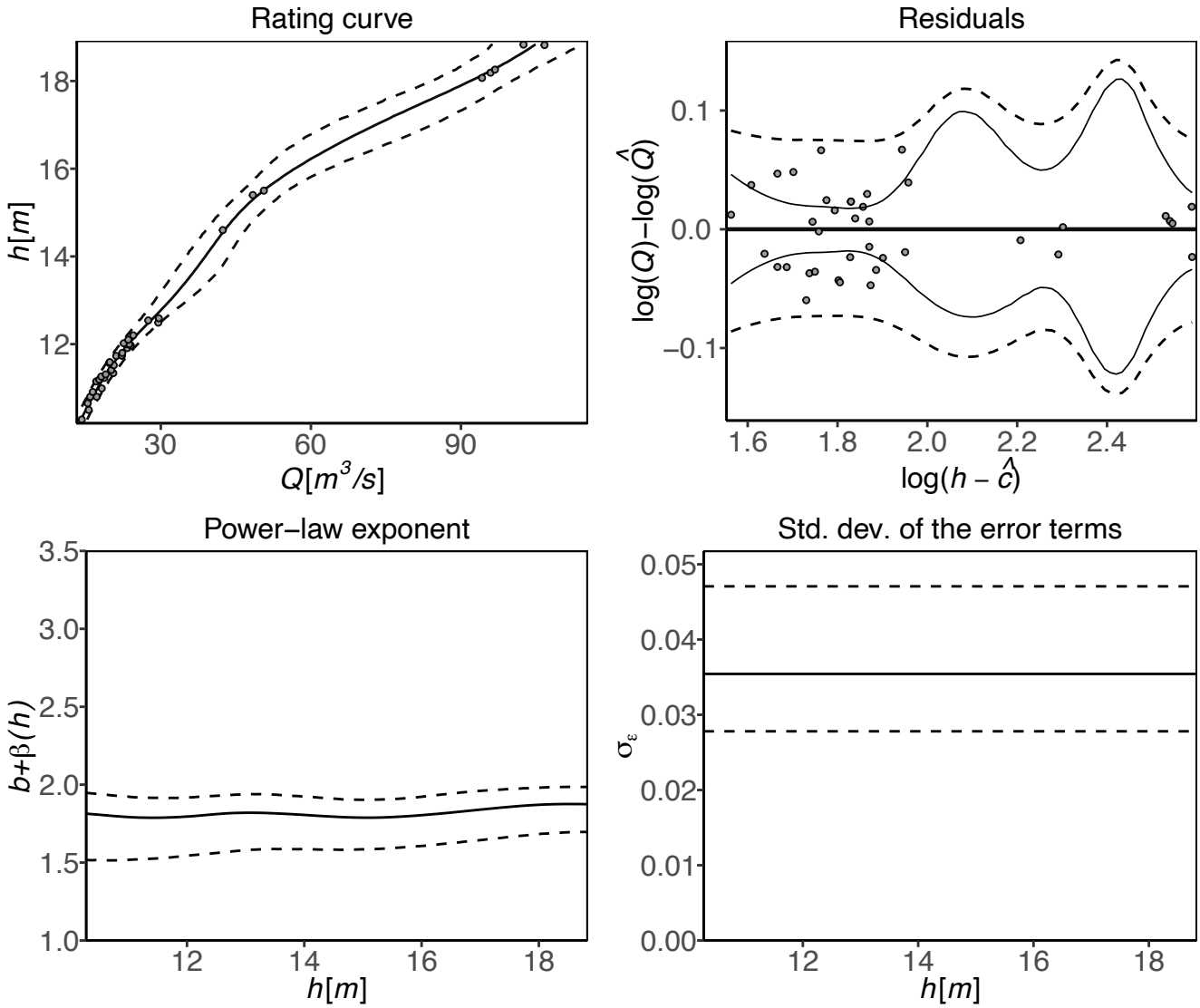


Krappi, Iceland – GPLM



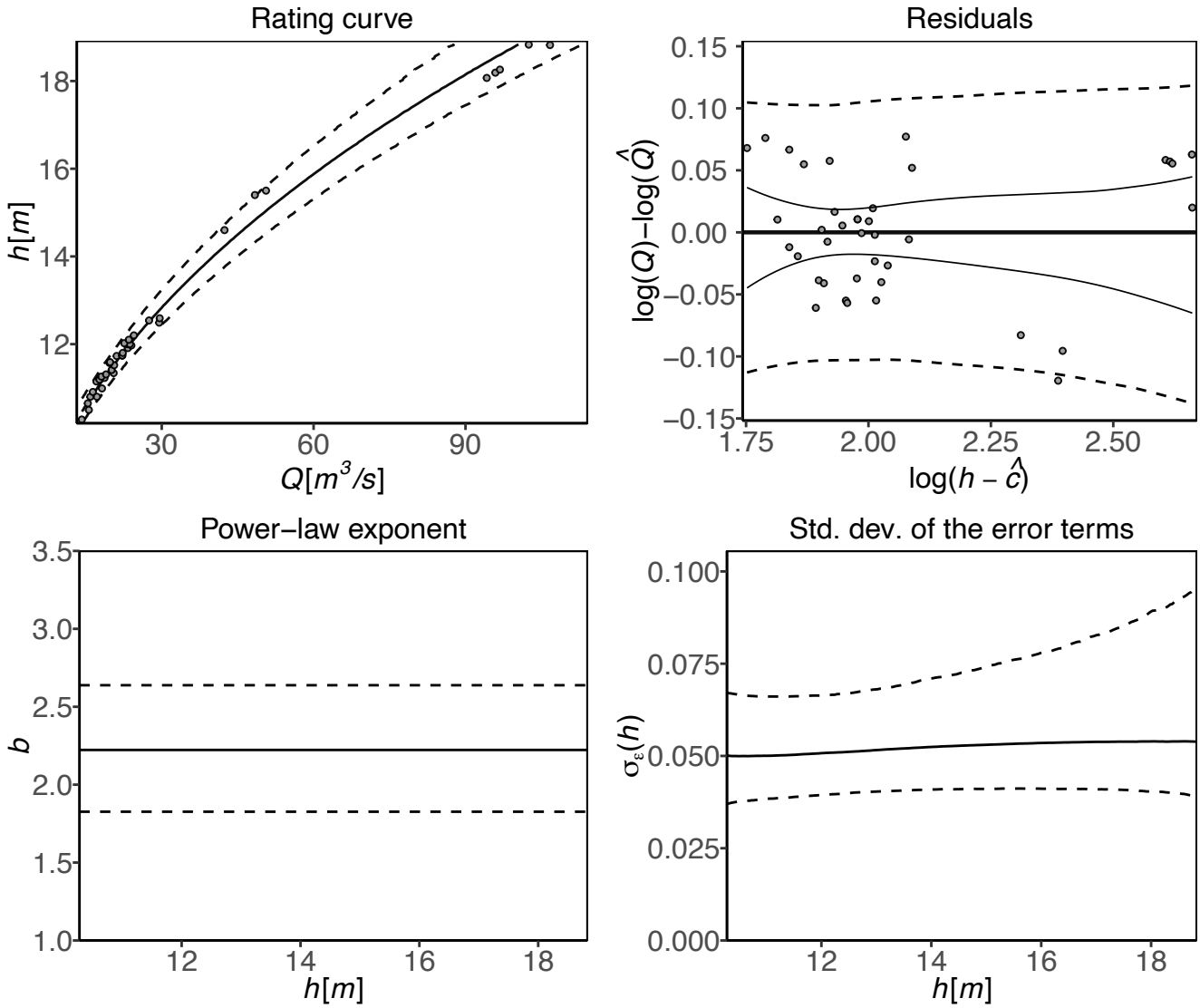
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.82	[0.55; 1.33]	3786	1.00
b	1.84	[1.83; 1.84]	10796	1.00
c	5.50	[4.40; 5.82]	1305	1.00
σ_β	0.07	[0.03; 0.35]	1784	1.00
ϕ_β	2.37	[0.83; 12.79]	1365	1.00
σ_η	0.08	[0.00; 0.45]	1593	1.00
η_1	–6.67	[–7.21; –5.98]	1846	1.00
η_2	–6.66	[–8.52; –4.81]	2378	1.00
η_3	–6.78	[–9.43; –4.07]	2484	1.00
η_4	–6.94	[–10.19; –3.55]	2313	1.00
η_5	–7.07	[–10.76; –3.10]	2399	1.00
η_6	–7.12	[–11.27; –2.72]	2504	1.00

Krappi, Iceland – GPLM0



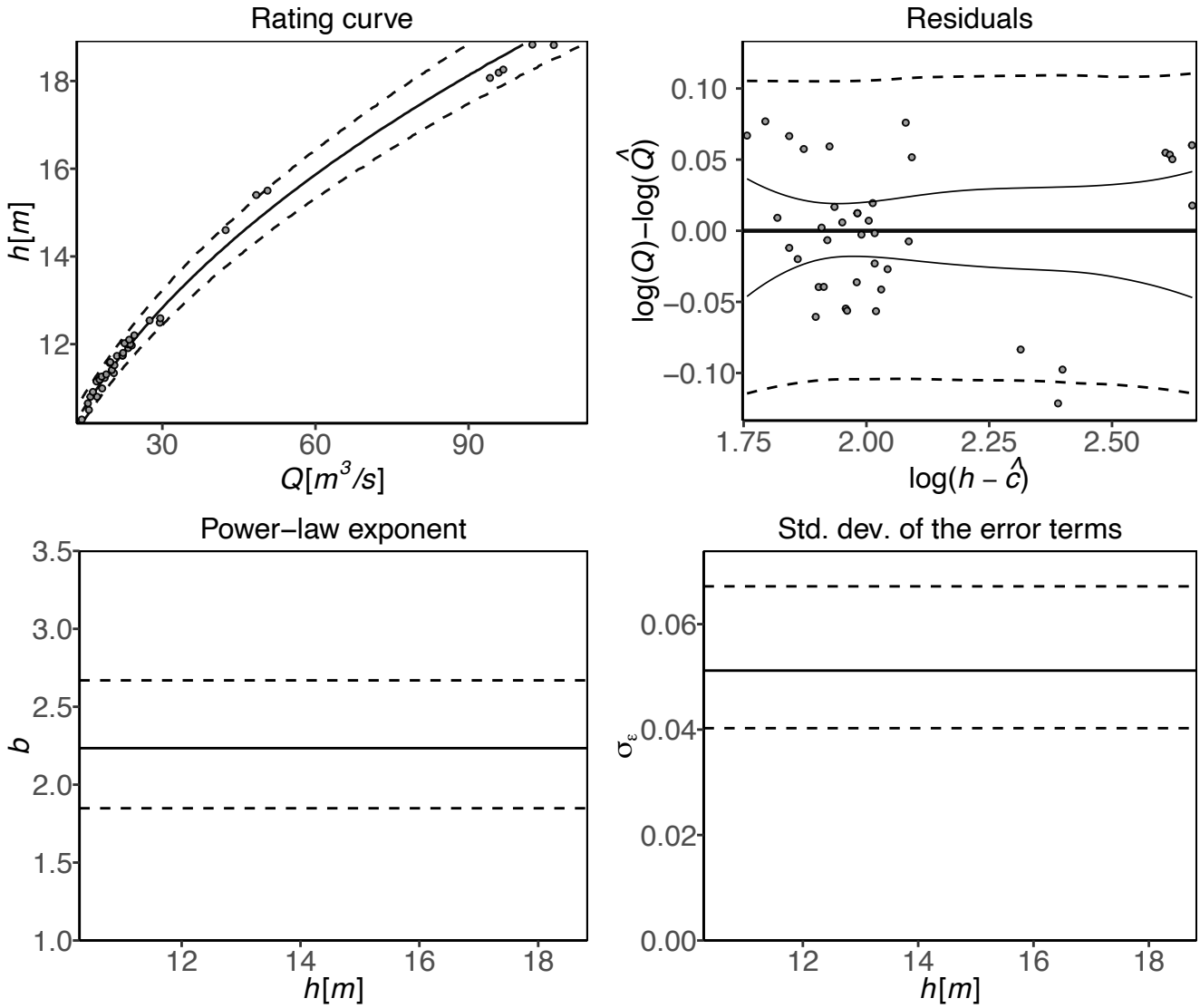
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.82	[0.56; 1.29]	7334	1.00
b	1.83	[1.83; 1.84]	13233	1.00
c	5.51	[4.37; 5.82]	2737	1.00
σ_ε	0.04	[0.03; 0.05]	4560	1.00
σ_β	0.26	[0.16; 0.58]	4542	1.00
ϕ_β	2.40	[0.84; 10.78]	2967	1.00

Krappi, Iceland – PLM



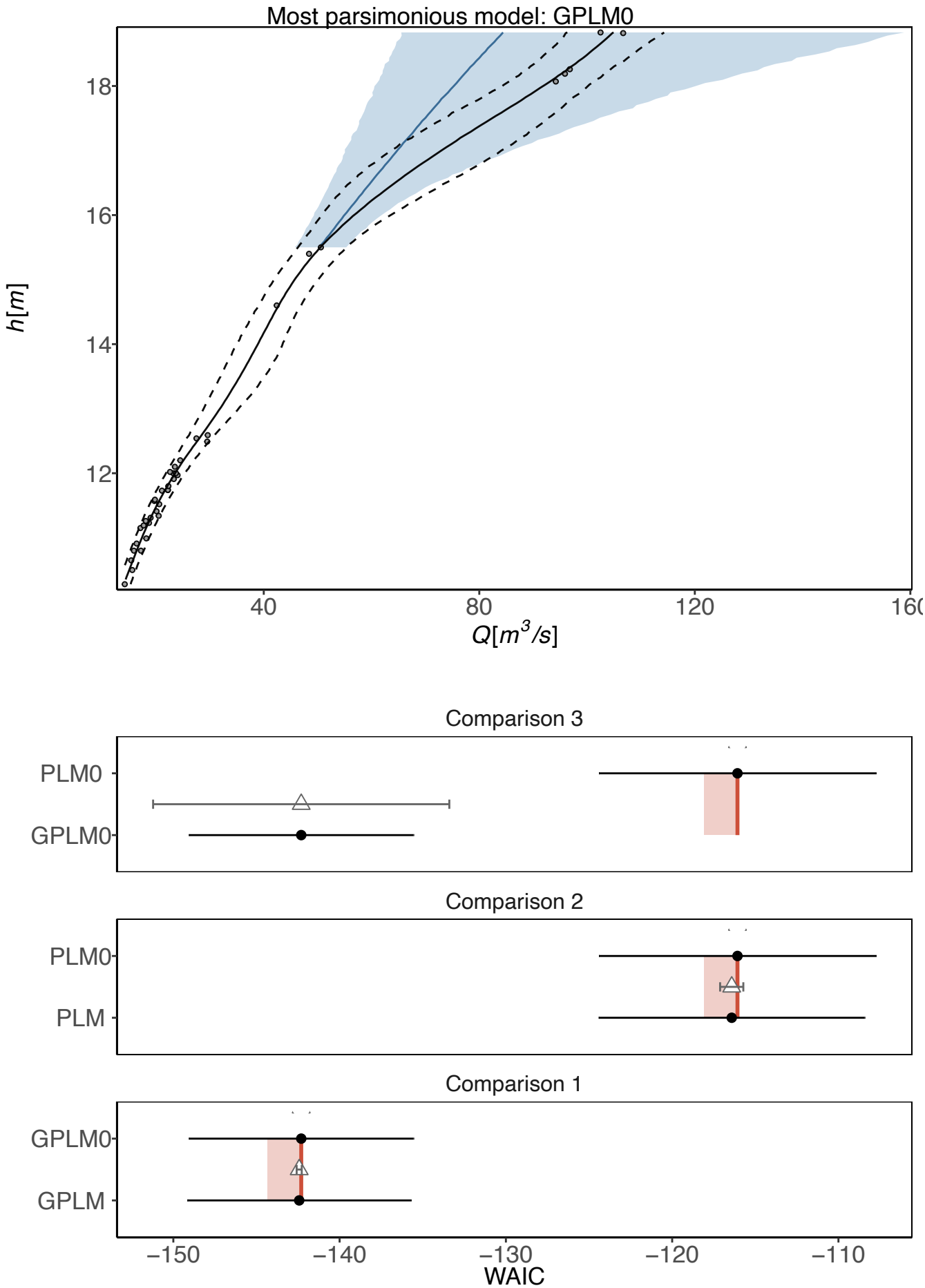
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.27	[0.07; 0.92]	2682	1.00
b	2.22	[1.83; 2.64]	2686	1.00
c	4.51	[2.84; 6.04]	2633	1.00
σ_η	0.10	[0.00; 0.53]	1833	1.00
η_1	–5.99	[–6.59; –5.40]	2833	1.00
η_2	–6.01	[–7.73; –4.08]	2624	1.00
η_3	–5.57	[–8.20; –3.04]	2587	1.00
η_4	–5.21	[–8.62; –2.22]	2827	1.00
η_5	–5.09	[–8.92; –1.56]	2763	1.00
η_6	–5.10	[–9.39; –0.96]	2466	1.00

Krappi, Iceland – PLM0



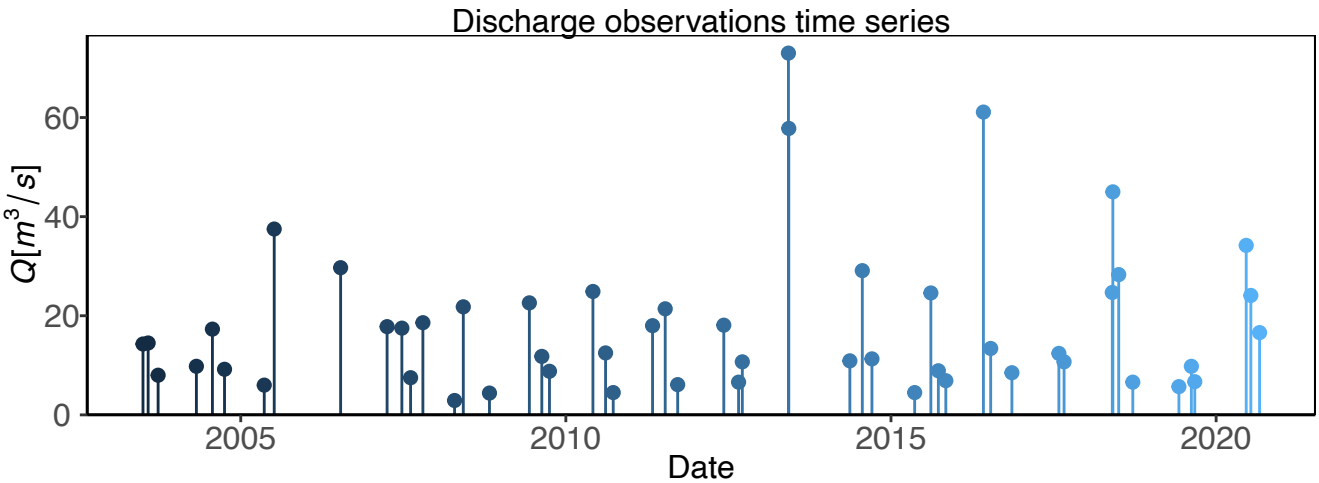
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.26	[0.06; 0.88]	9099	1.00
b	2.23	[1.85; 2.67]	9165	1.00
c	4.49	[2.70; 6.03]	8829	1.00
σ_ε	0.05	[0.04; 0.07]	9207	1.00

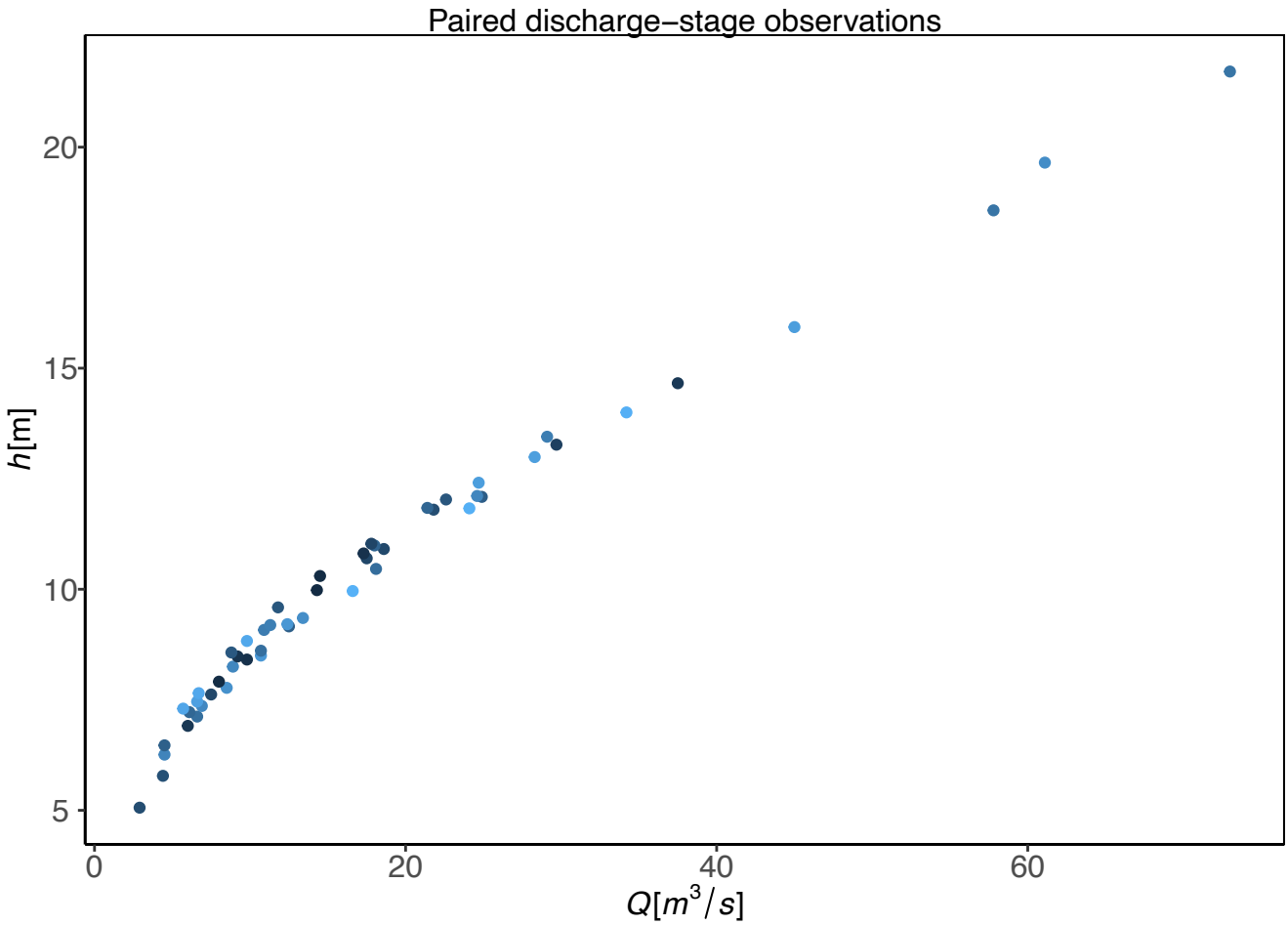
Power−law tournament results for Krappi, Iceland



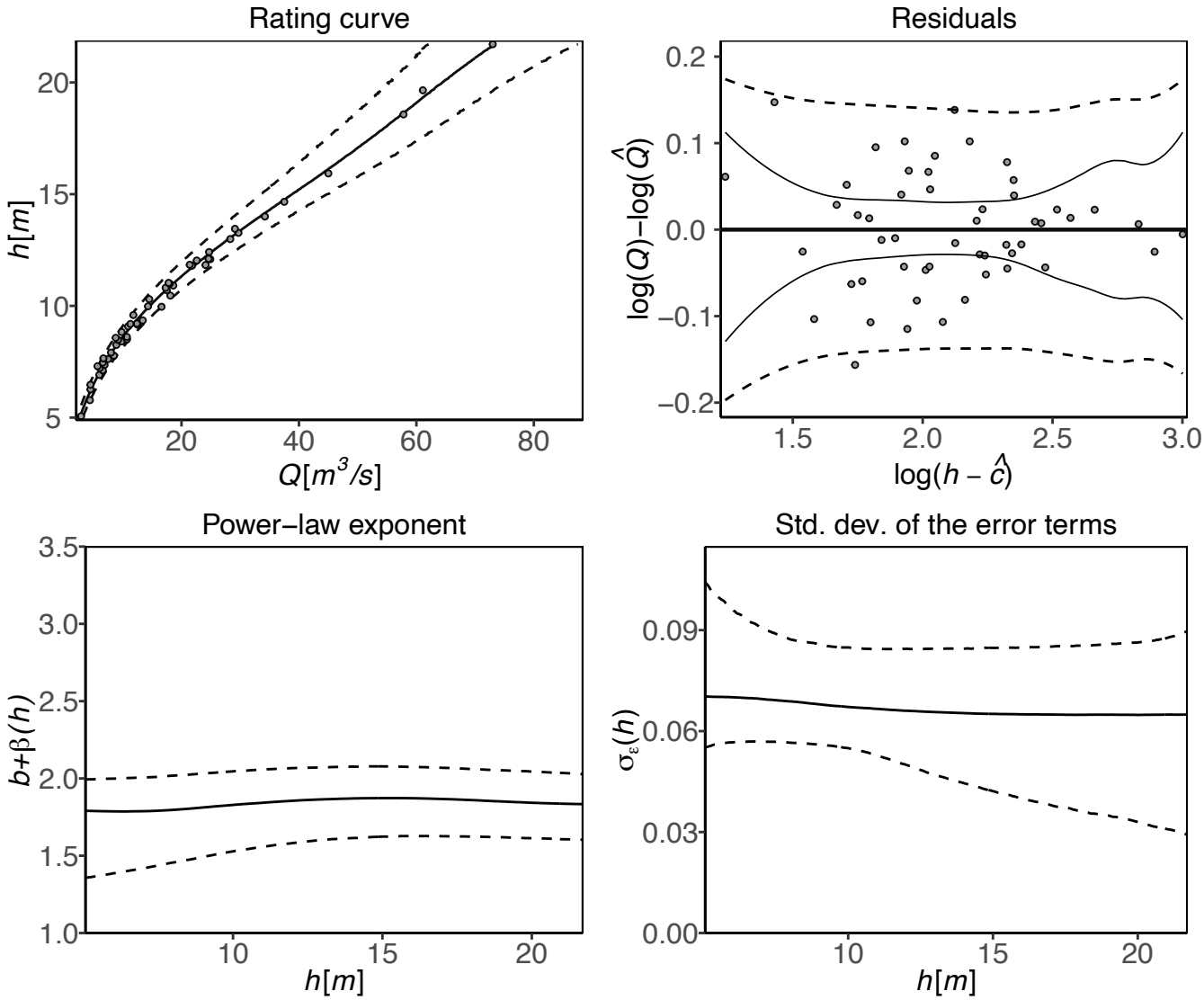
Station name:	Viðvíkursveit
Location:	Iceland
Station number:	V51
Number of observations:	52
Start date:	2003–07–02
End date:	2020–09–01
Max. discharge (m^3/s):	73
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.62
GPLM0	0.97	0.38
PLM	16.44	0.00
PLM0	16.81	0.00



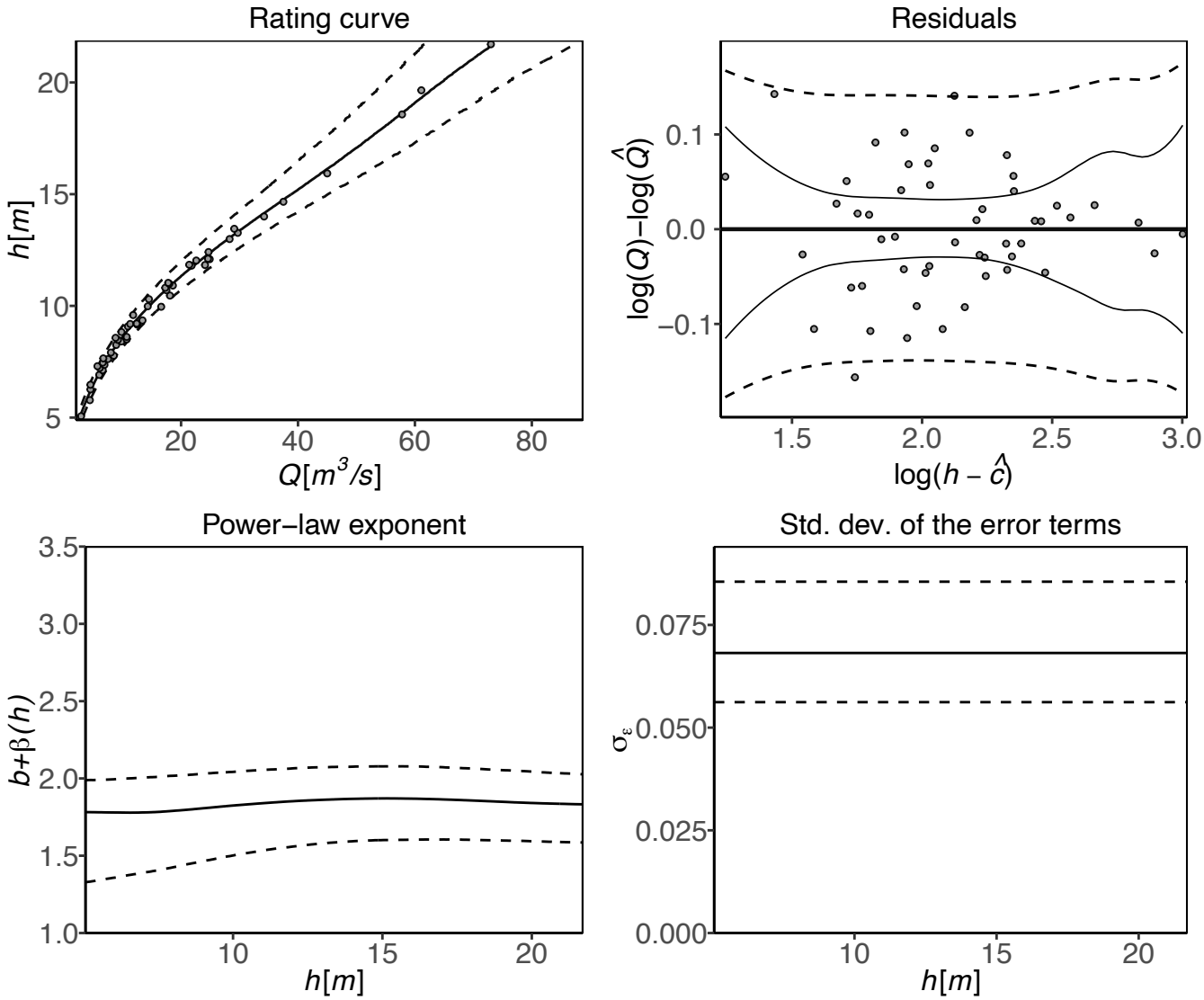


Viðvíkursveit, Iceland – GPLM



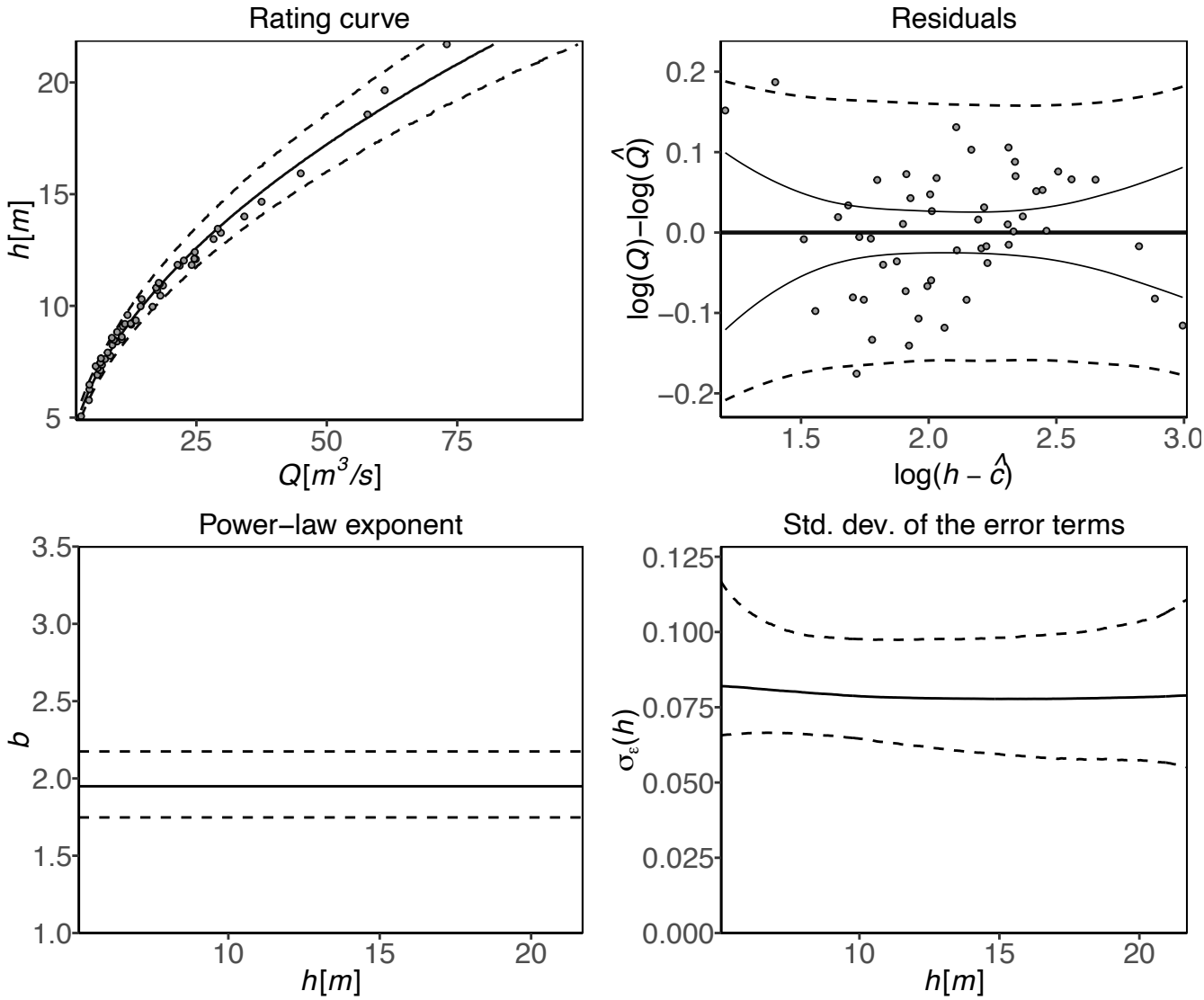
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.30	[0.15; 0.60]	1722	1.00
b	1.83	[1.83; 1.84]	8497	1.00
c	1.60	[0.50; 2.22]	1089	1.01
σ_β	0.09	[0.02; 0.48]	1777	1.01
ϕ_β	8.85	[2.04; 33.66]	1254	1.03
σ_η	0.11	[0.01; 0.61]	1698	1.00
η_1	–5.31	[–5.80; –4.52]	1575	1.00
η_2	–5.40	[–7.20; –3.73]	1949	1.00
η_3	–5.84	[–8.23; –3.19]	2244	1.00
η_4	–6.25	[–9.23; –2.67]	2235	1.00
η_5	–6.31	[–9.86; –2.19]	2159	1.00
η_6	–6.36	[–10.46; –1.84]	2094	1.00

Viðvíkursveit, Iceland – GPLM0



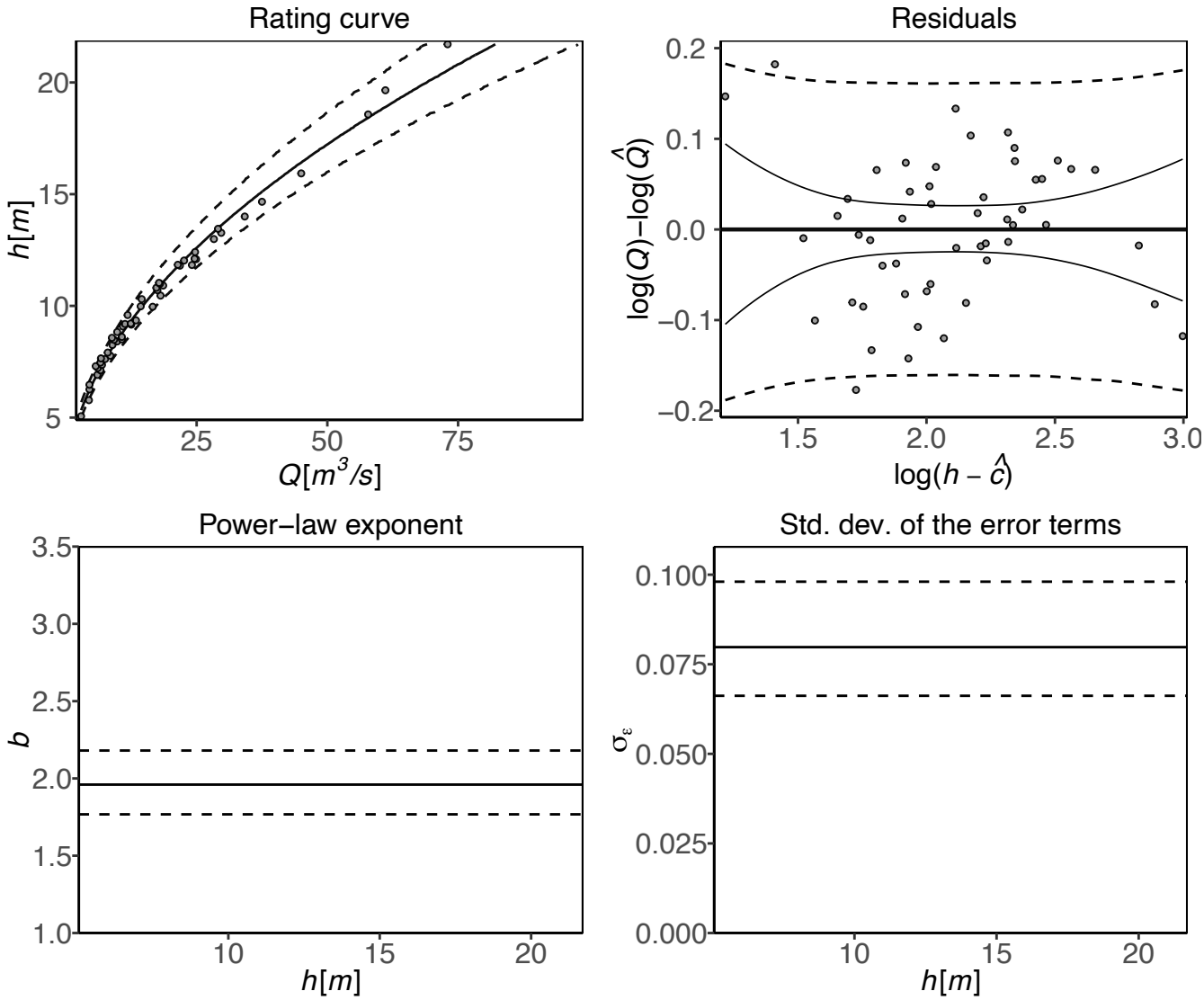
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.30	[0.15; 0.64]	2775	1.00
b	1.83	[1.83; 1.84]	12338	1.00
c	1.59	[0.46; 2.25]	1428	1.00
σ_ε	0.07	[0.06; 0.09]	4625	1.00
σ_β	0.31	[0.15; 0.70]	4403	1.00
ϕ_β	9.25	[2.07; 31.27]	2157	1.01

Viðvíkursveit, Iceland – PLM



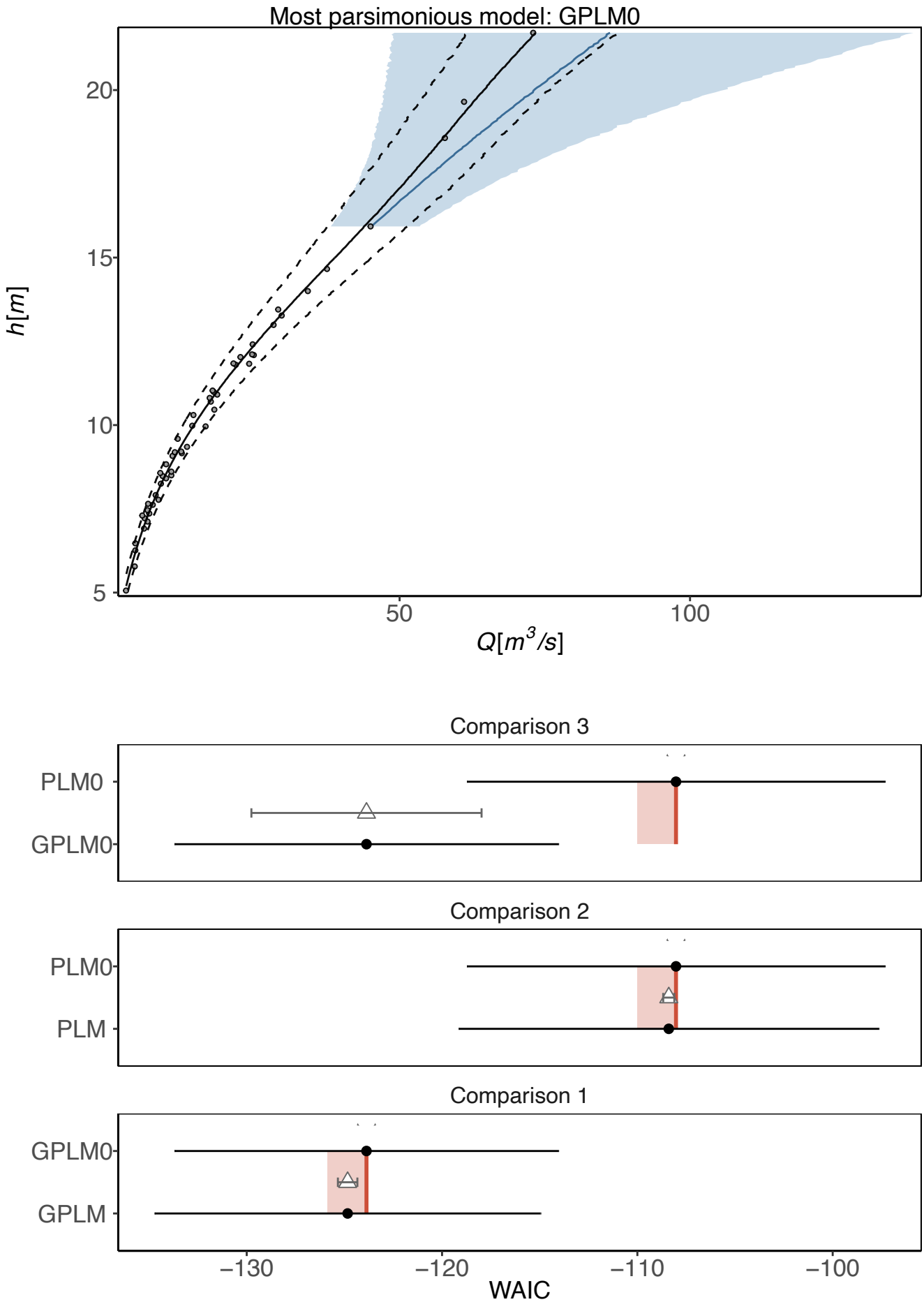
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.24	[0.12; 0.44]	2486	1.00
b	1.95	[1.75; 2.17]	2560	1.00
c	1.73	[0.84; 2.50]	2364	1.00
σ_η	0.09	[0.00; 0.50]	1763	1.00
η_1	–5.00	[–5.45; –4.30]	2013	1.00
η_2	–5.20	[–6.94; –3.39]	2496	1.00
η_3	–5.57	[–8.02; –2.94]	2750	1.00
η_4	–5.69	[–8.73; –2.40]	2727	1.00
η_5	–5.61	[–9.19; –1.88]	2747	1.00
η_6	–5.52	[–9.59; –1.42]	2509	1.00

Viðvíkursveit, Iceland – PLM0



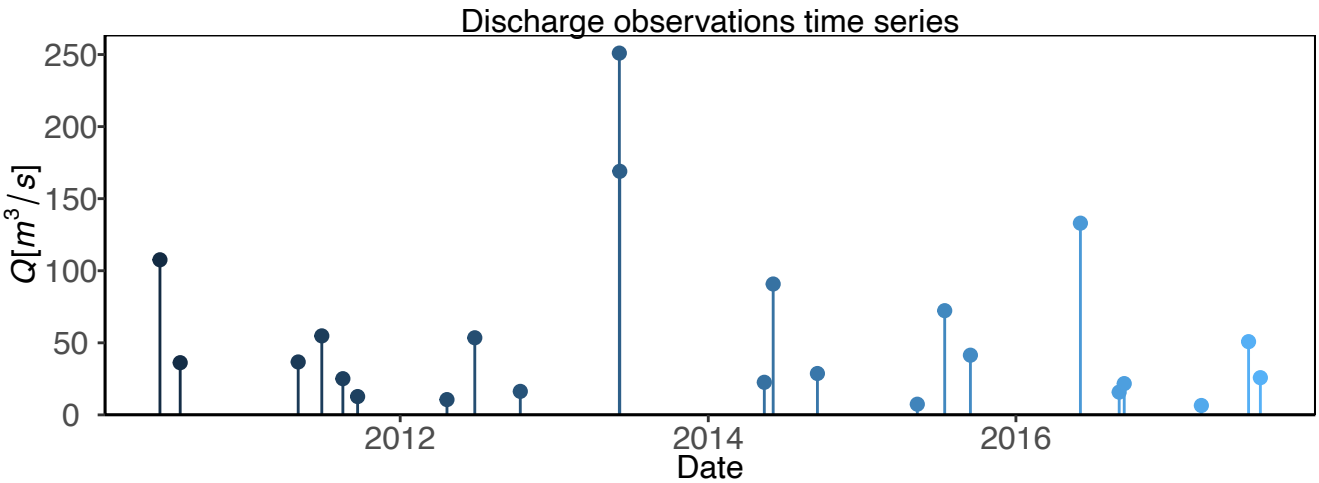
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.23	[0.12; 0.41]	9813	1.00
b	1.96	[1.77; 2.18]	10056	1.00
c	1.68	[0.83; 2.41]	9447	1.00
σ_ε	0.08	[0.07; 0.10]	10581	1.00

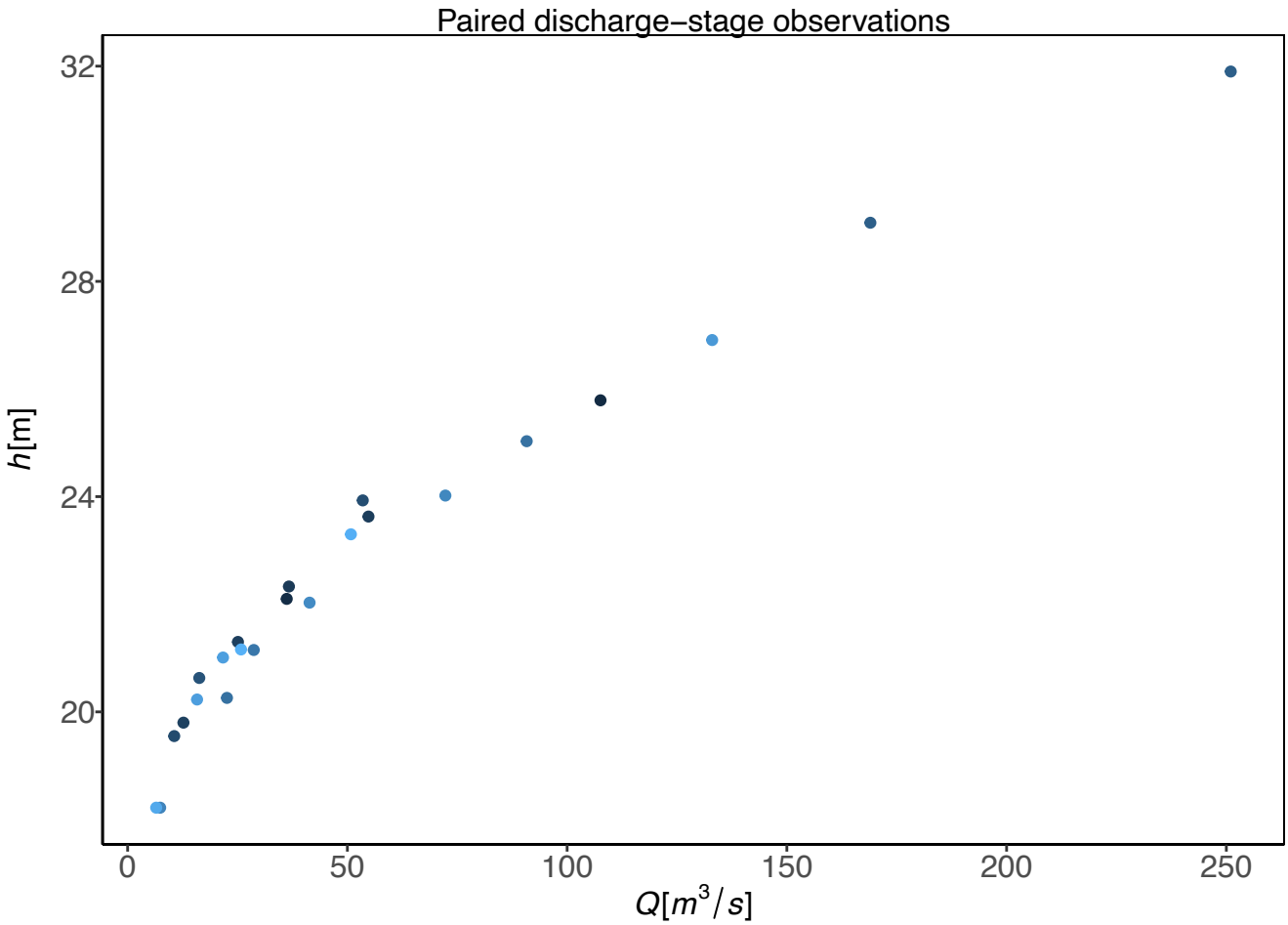
Power–law tournament results for Viðvíkursveit, Iceland



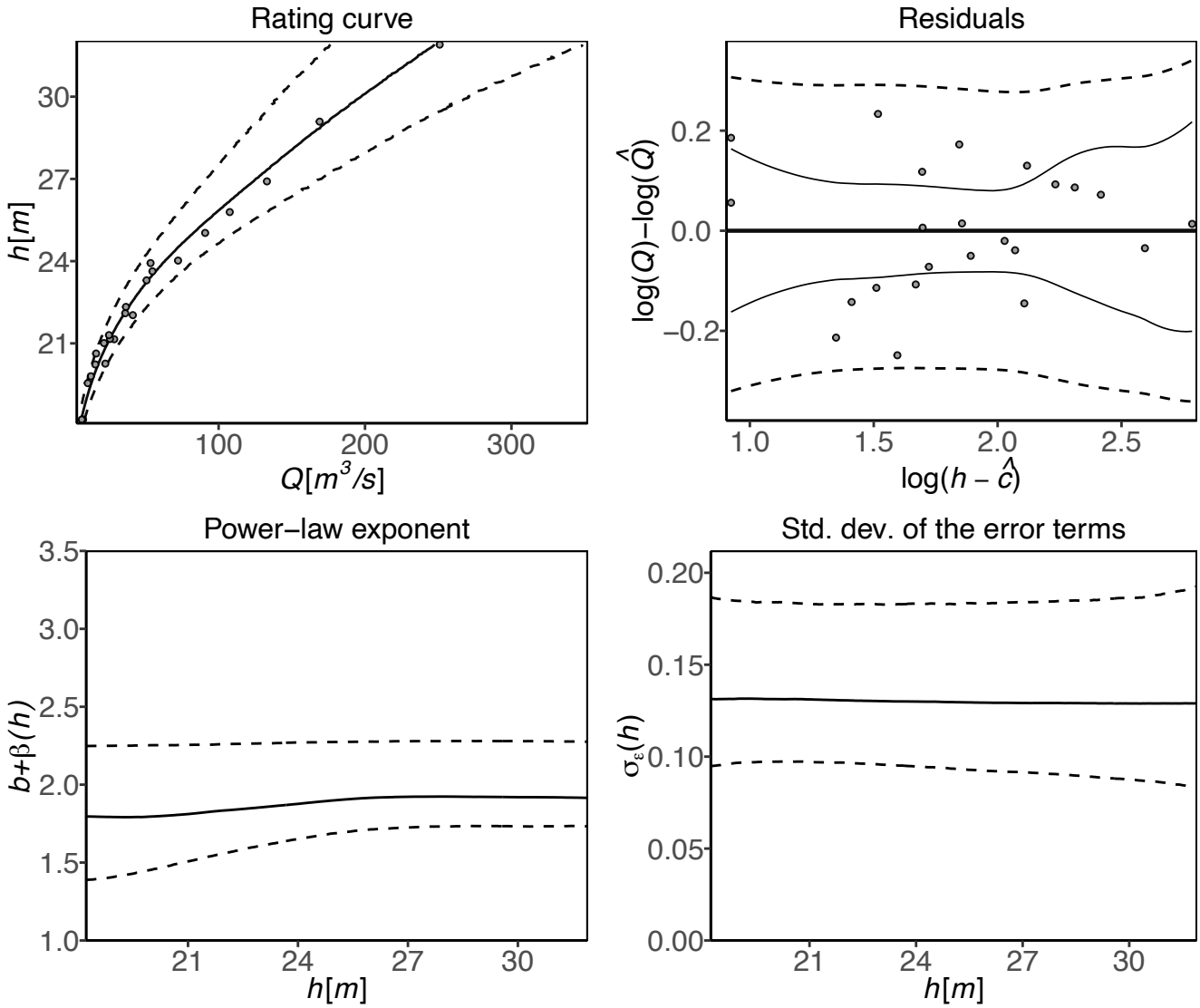
Station name:	Hörgá við Tréstaði
Location:	Iceland
Station number:	V517
Number of observations:	23
Start date:	2010–06–10
End date:	2017–08–03
Max. discharge (m^3/s):	251
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.34
GPLM0	0.16	0.31
PLM	1.28	0.18
PLM0	1.34	0.17



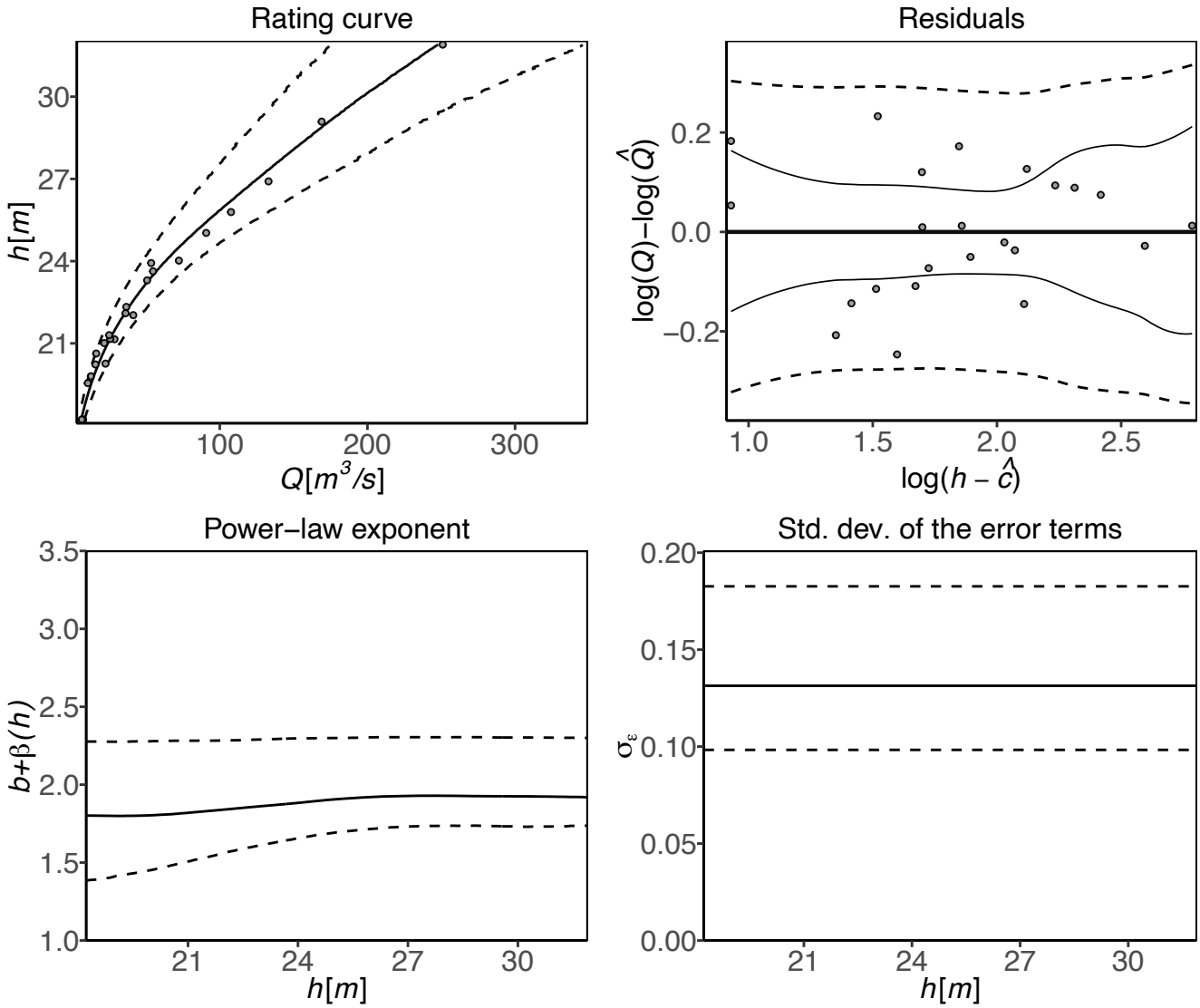


Hörgá við Tréstaði, Iceland – GPLM



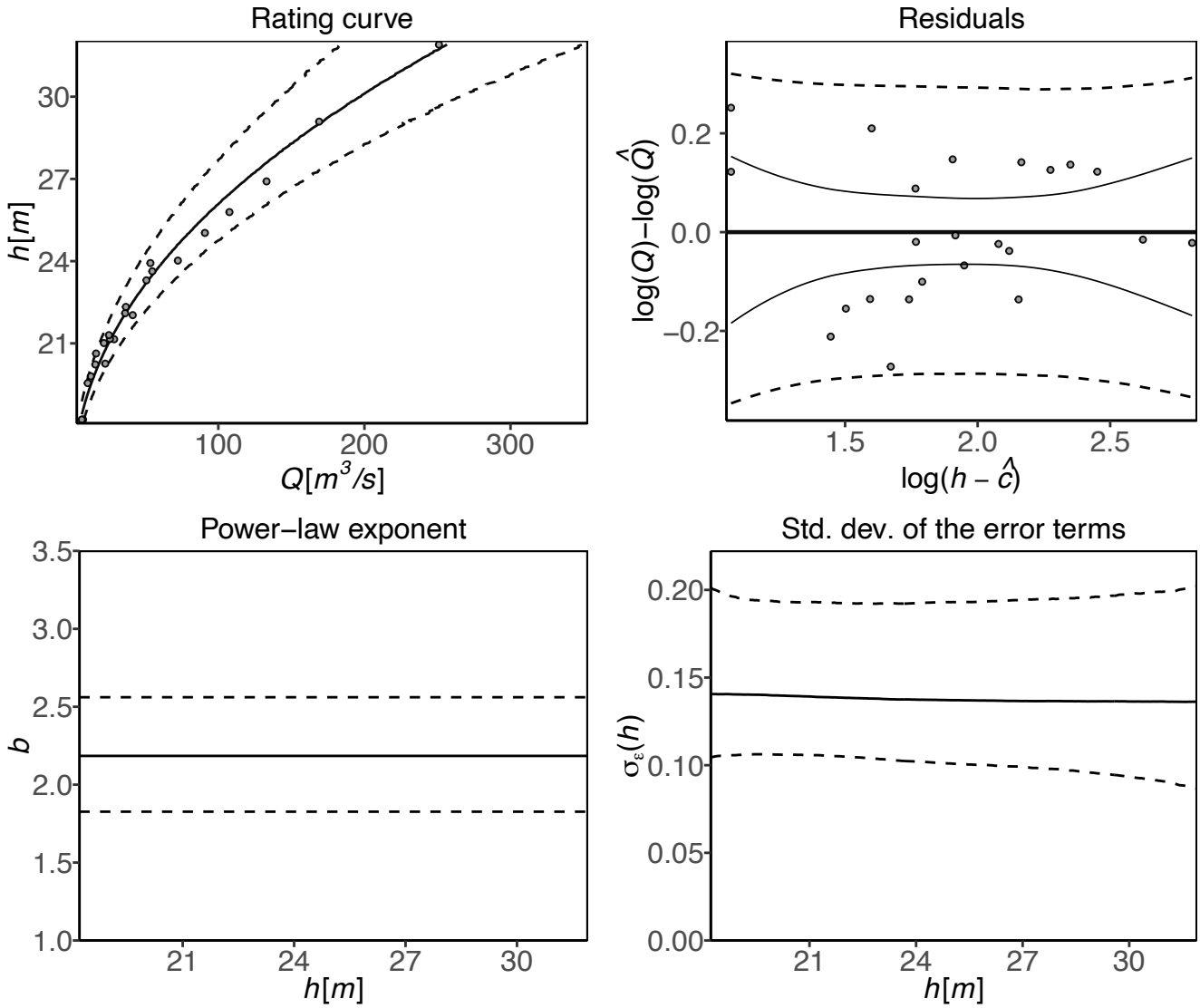
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.20	[0.42; 1.98]	1815	1.00
b	1.84	[1.83; 1.84]	11300	1.00
c	15.70	[14.68; 16.07]	1069	1.00
σ_β	0.15	[0.03; 0.56]	1530	1.00
ϕ_β	9.90	[1.62; 3502.77]	838	1.04
σ_η	0.08	[0.00; 0.44]	1569	1.00
η_1	–4.06	[–4.71; –3.35]	1956	1.00
η_2	–4.03	[–5.94; –2.07]	2536	1.00
η_3	–4.14	[–6.76; –1.36]	2420	1.00
η_4	–4.28	[–7.49; –0.96]	2501	1.01
η_5	–4.32	[–8.03; –0.41]	2630	1.00
η_6	–4.37	[–8.48; –0.02]	2715	1.00

Hörgá við Tréstaði, Iceland – GPLM0



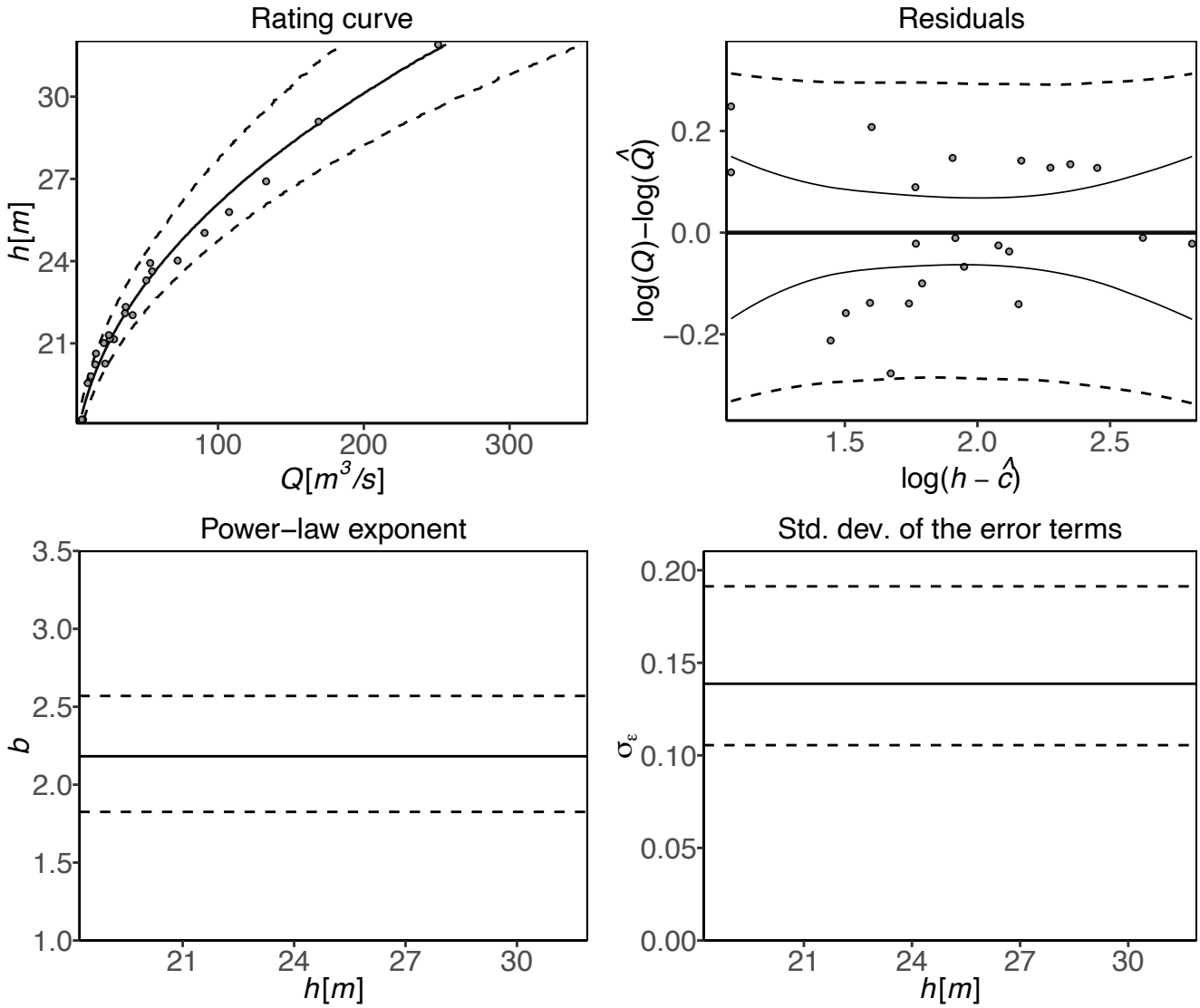
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.17	[0.39; 1.97]	3112	1.00
b	1.84	[1.83; 1.84]	15221	1.00
c	15.69	[14.64; 16.07]	2156	1.00
σ_ε	0.13	[0.10; 0.18]	4002	1.00
σ_β	0.39	[0.18; 0.75]	4574	1.00
ϕ_β	10.28	[1.64; 3359.77]	1006	1.01

Hörgá við Tréstaði, Iceland – PLM



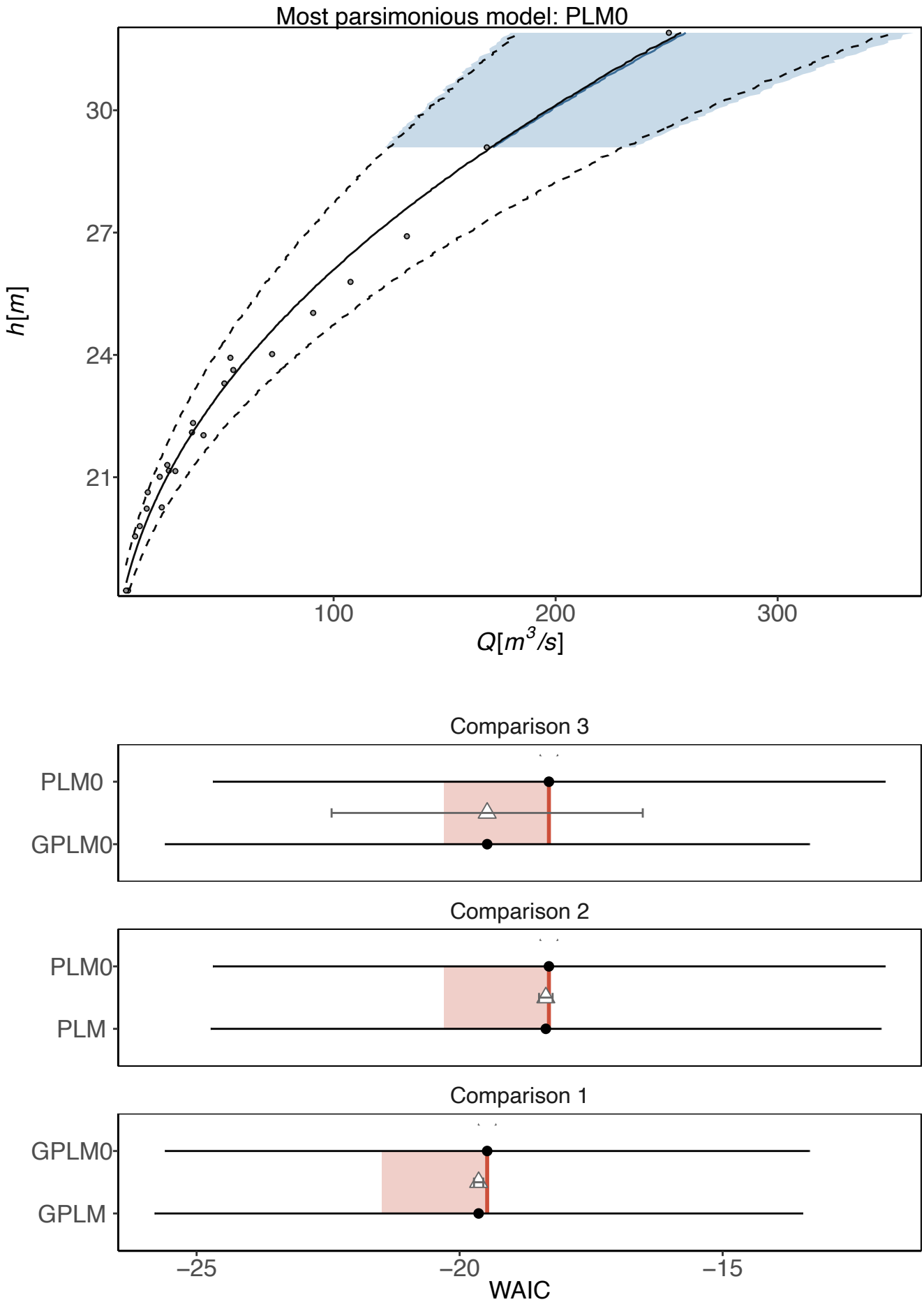
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.56	[0.18; 1.47]	2770	1.00
b	2.18	[1.83; 2.56]	2930	1.00
c	15.31	[14.22; 16.24]	2587	1.00
σ_η	0.09	[0.00; 0.44]	1833	1.00
η_1	–3.92	[–4.52; –3.20]	2387	1.00
η_2	–3.96	[–5.85; –2.03]	2710	1.00
η_3	–4.18	[–6.77; –1.51]	2915	1.00
η_4	–4.27	[–7.43; –0.95]	2833	1.00
η_5	–4.33	[–8.11; –0.47]	2883	1.00
η_6	–4.34	[–8.52; 0.05]	3092	1.00

Hörgá við Tréstaði, Iceland – PLM0



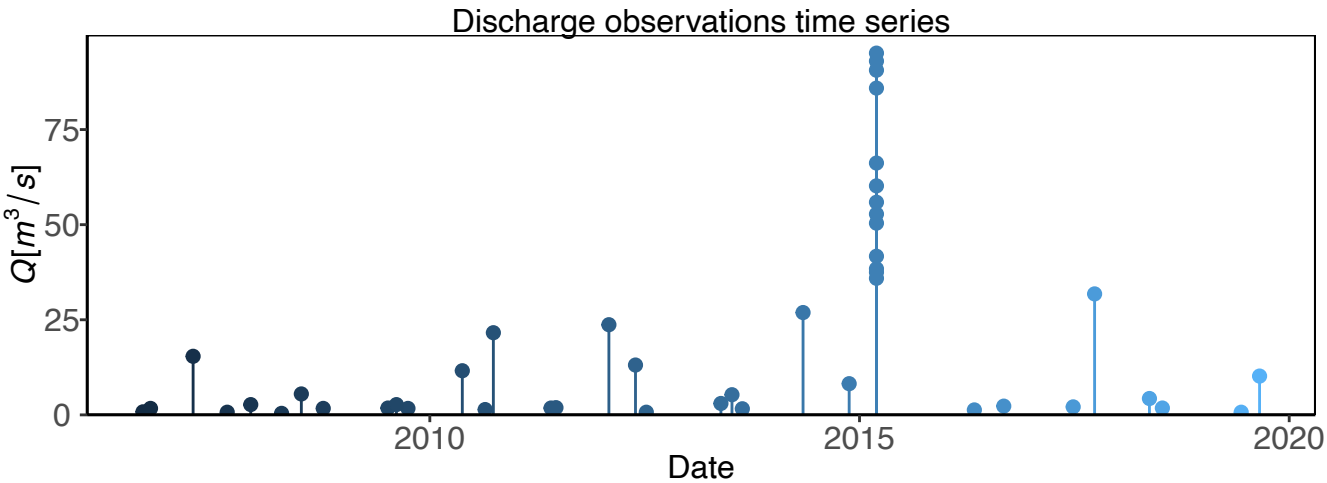
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.56	[0.18; 1.46]	9834	1.00
b	2.18	[1.83; 2.57]	10264	1.00
c	15.30	[14.21; 16.21]	9235	1.00
σ_ε	0.14	[0.11; 0.19]	8529	1.00

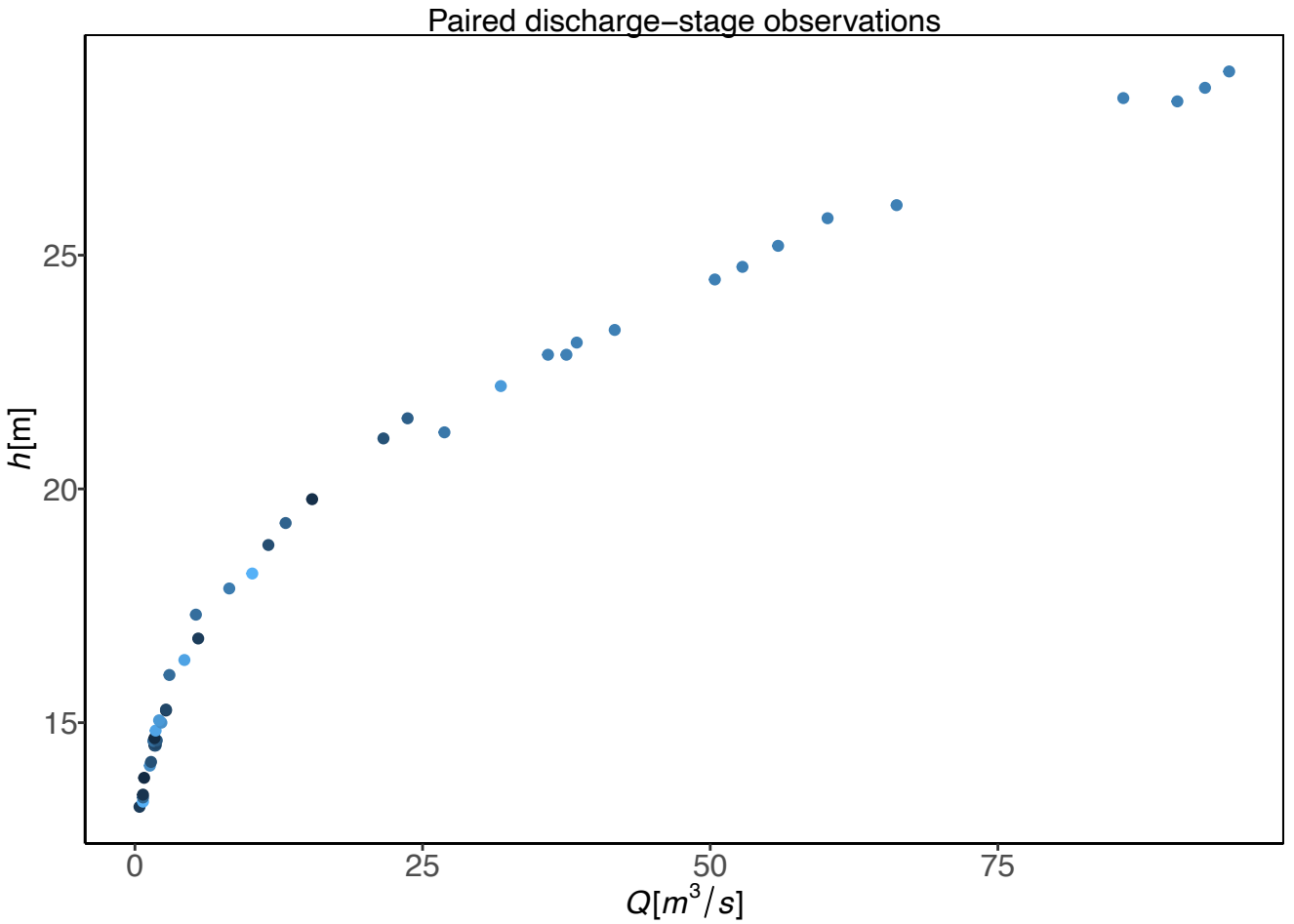
Power−law tournament results for Hörgá við Tréstaði, Iceland



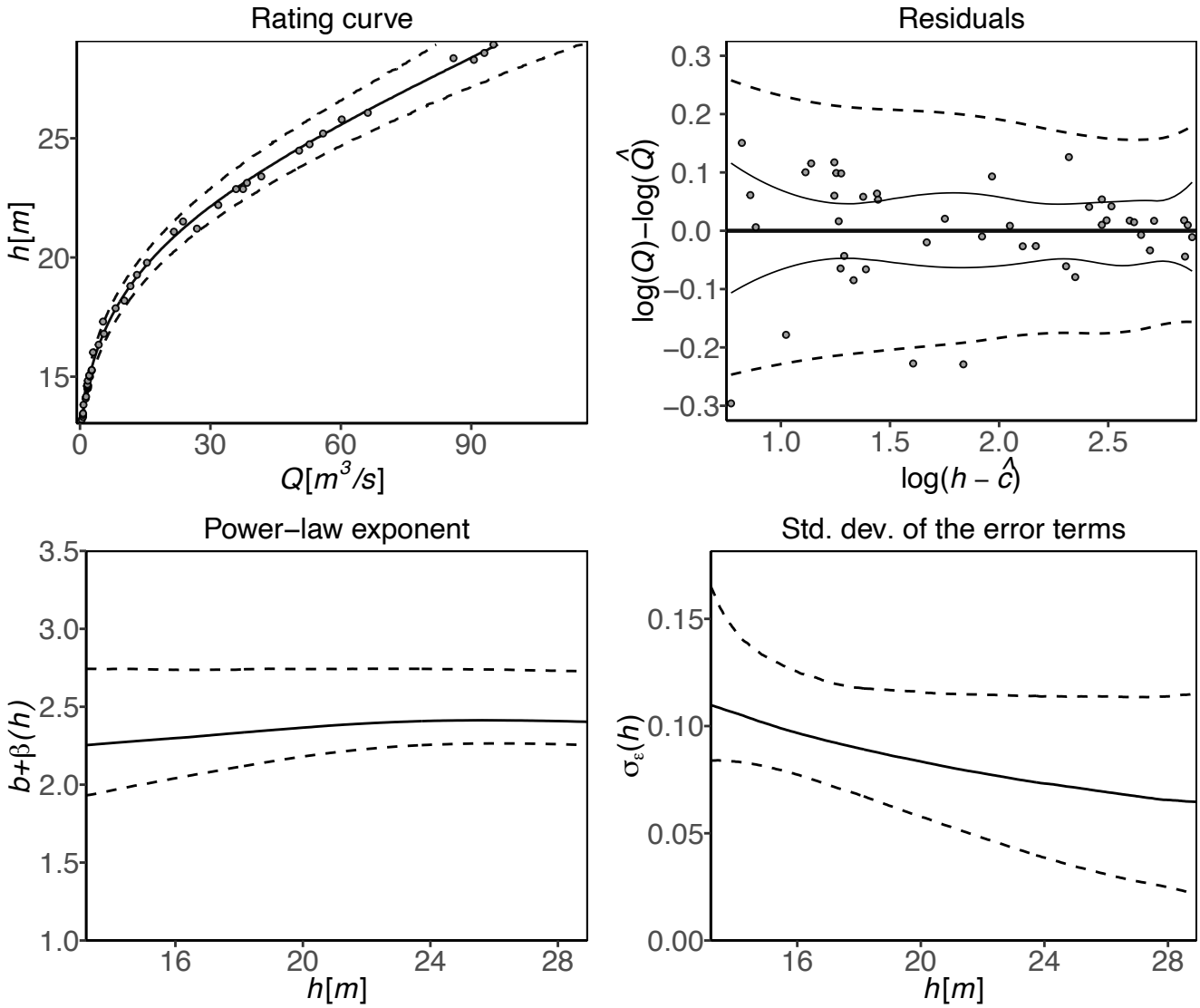
Station name:	Borgir
Location:	Iceland
Station number:	V574
Number of observations:	45
Start date:	2006–08–31
End date:	2019–08–28
Max. discharge (m^3/s):	95.1
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.93
GPLM0	8.80	0.01
PLM	5.84	0.05
PLM0	9.84	0.01



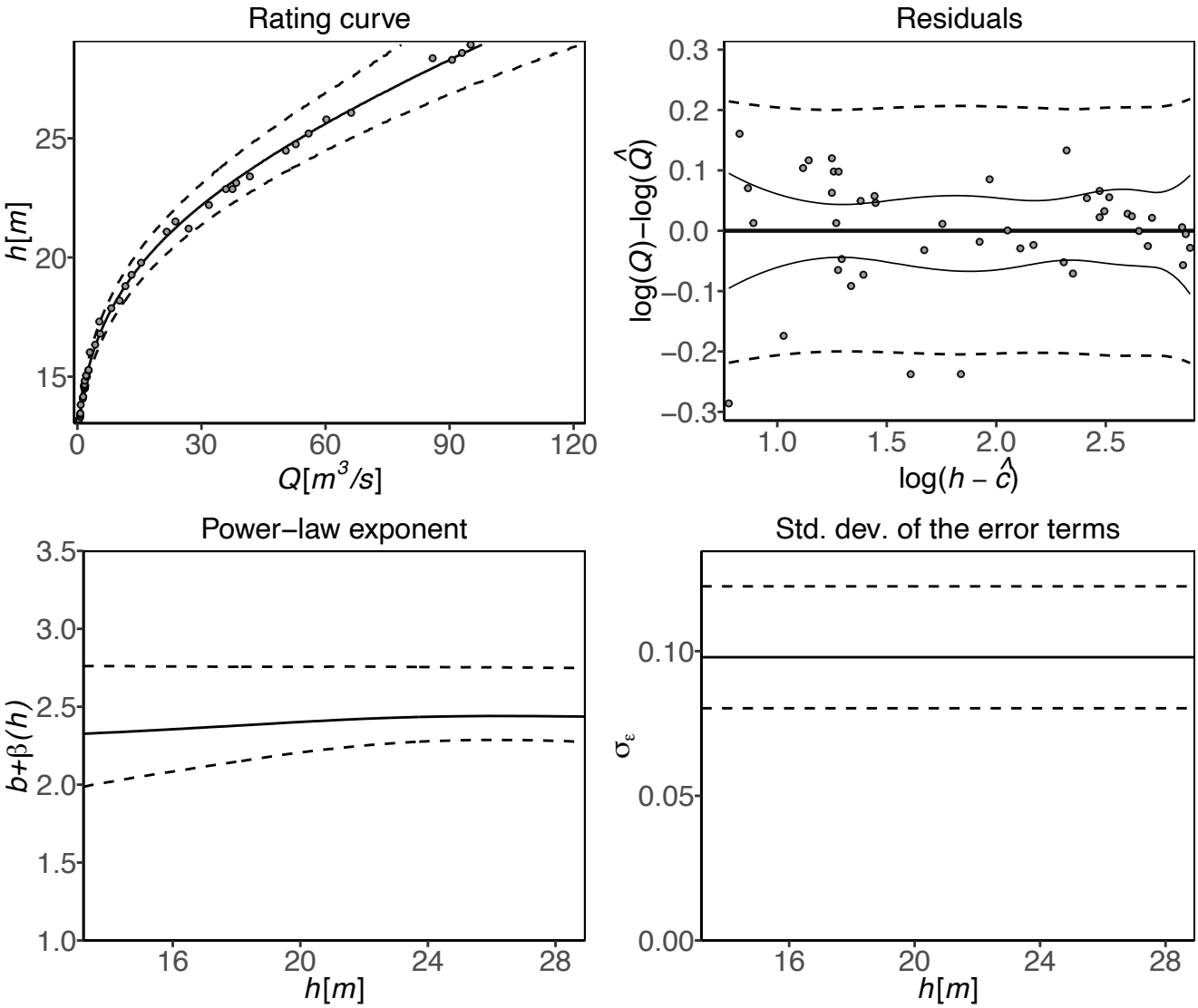


Borgir, Iceland – GPLM



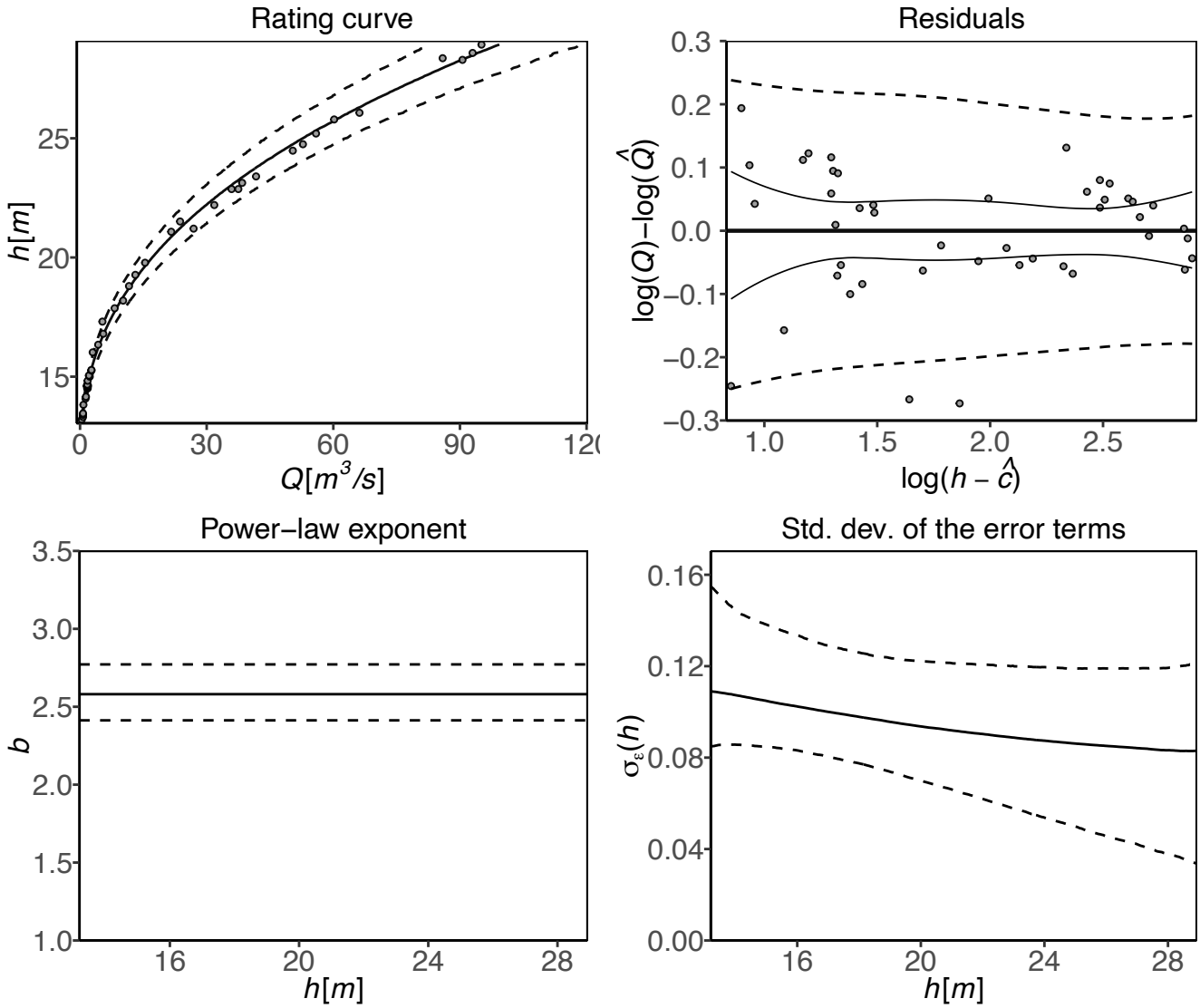
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.09	[0.04; 0.14]	1733	1.04
b	1.84	[1.83; 1.84]	11853	1.00
c	11.04	[10.45; 11.19]	1404	1.01
σ_β	0.37	[0.18; 0.84]	2305	1.01
ϕ_β	26.75	[11.09; 1068.66]	801	1.14
σ_η	0.32	[0.01; 0.86]	775	1.07
η_1	−4.42	[−4.96; −3.60]	1676	1.01
η_2	−4.91	[−6.61; −3.21]	1633	1.01
η_3	−5.63	[−7.83; −3.01]	1741	1.01
η_4	−6.71	[−9.23; −2.72]	1576	1.02
η_5	−7.37	[−10.38; −2.49]	1811	1.00
η_6	−7.62	[−11.10; −2.32]	2252	1.00

Borgir, Iceland – GPLM0



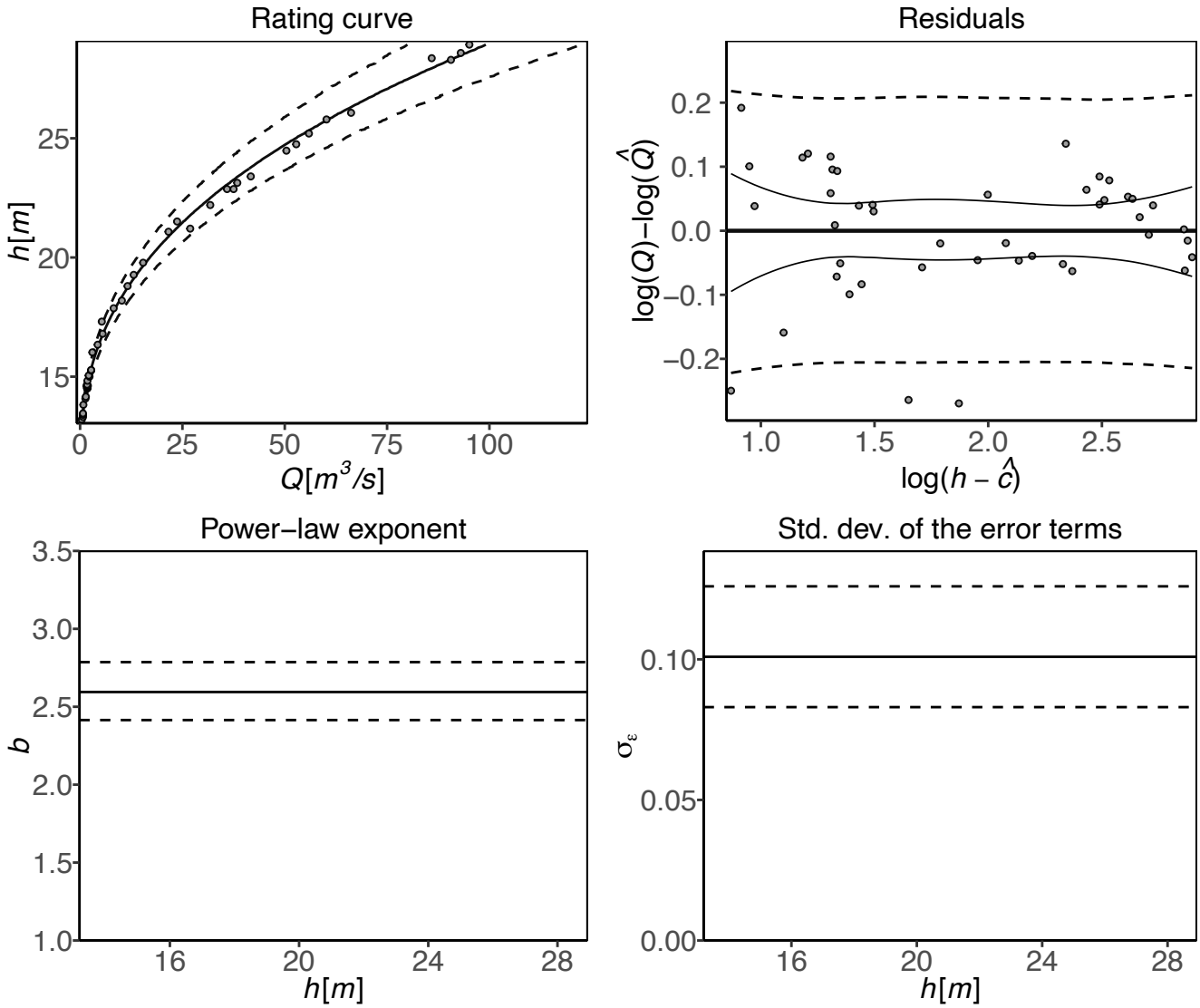
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.09	[0.03; 0.13]	2158	1.00
b	1.84	[1.83; 1.84]	13548	1.00
c	11.02	[10.44; 11.18]	2578	1.00
σ_ε	0.10	[0.08; 0.12]	5234	1.00
σ_β	0.63	[0.44; 0.94]	4101	1.00
ϕ_β	35.11	[11.75; 6740.49]	847	1.02

Borgir, Iceland – PLM



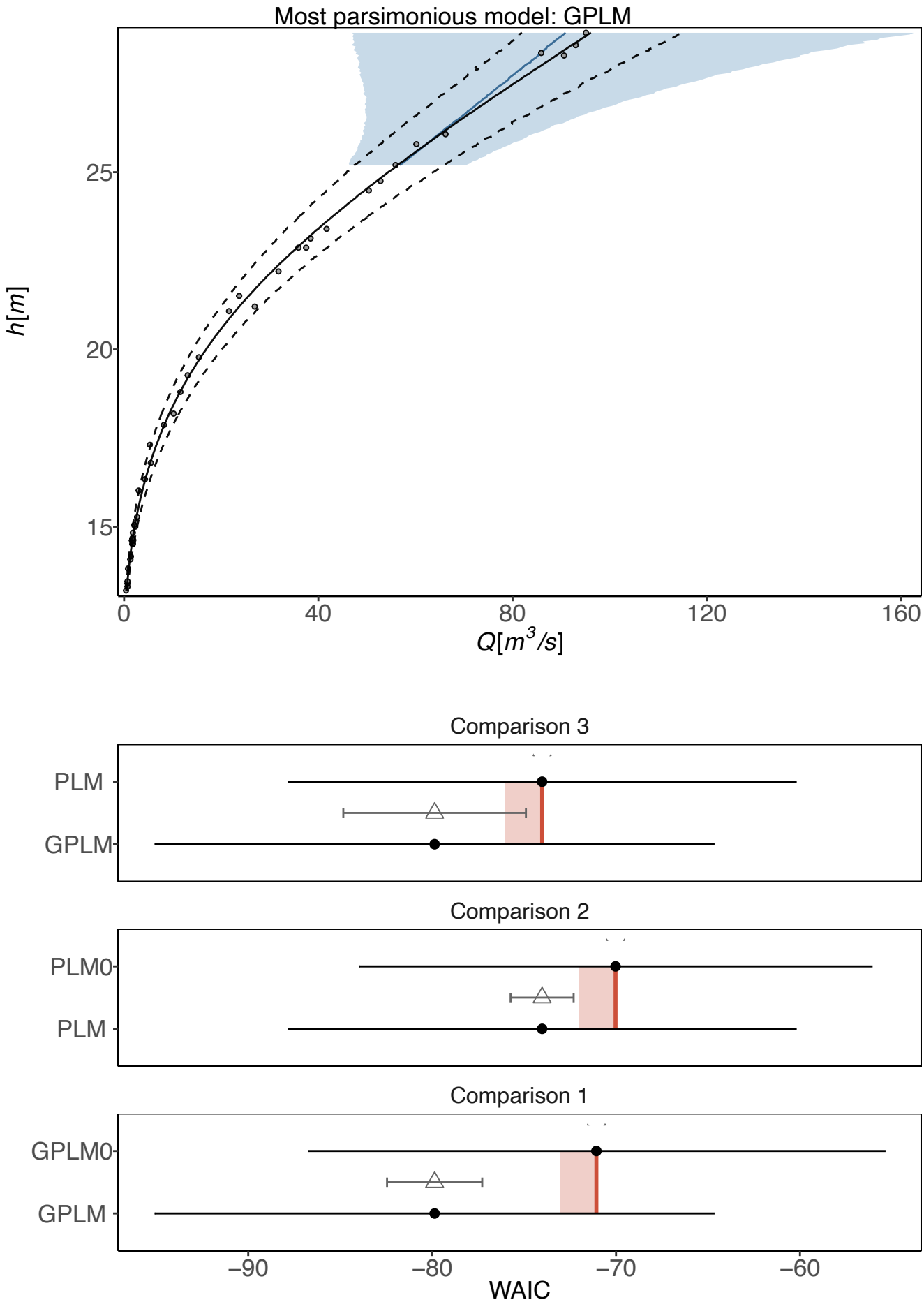
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.06	[0.03; 0.09]	2937	1.00
b	2.58	[2.41; 2.77]	3008	1.00
c	10.85	[10.40; 11.25]	2856	1.00
σ_η	0.22	[0.01; 0.70]	953	1.01
η_1	–4.43	[–4.93; –3.73]	2747	1.00
η_2	–4.73	[–6.53; –3.04]	2249	1.00
η_3	–5.38	[–7.72; –3.01]	2109	1.00
η_4	–6.18	[–8.90; –3.00]	2240	1.00
η_5	–6.71	[–9.90; –2.69]	2499	1.00
η_6	–6.91	[–10.55; –2.39]	2886	1.00

Borgir, Iceland – PLM0



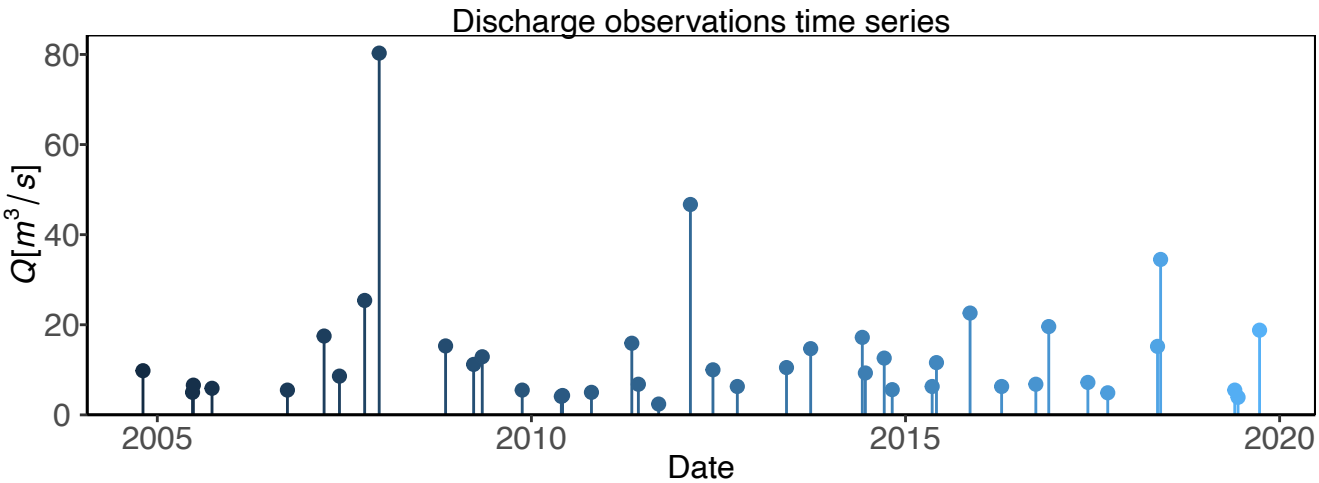
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.05	[0.03; 0.09]	8709	1.00
b	2.59	[2.41; 2.79]	8878	1.00
c	10.82	[10.36; 11.22]	8687	1.00
σ_ε	0.10	[0.08; 0.13]	9485	1.00

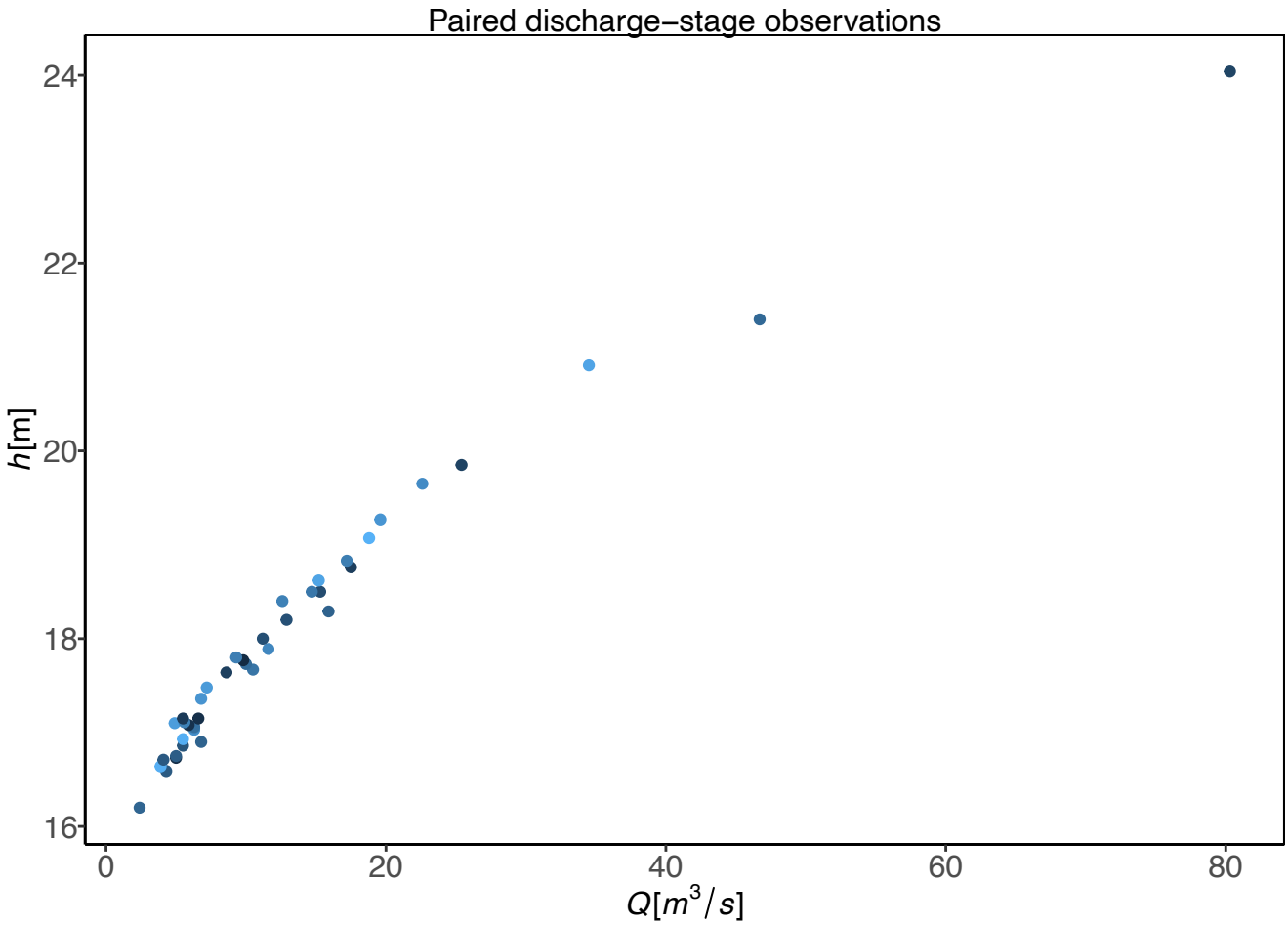
Power−law tournament results for Borgir, Iceland



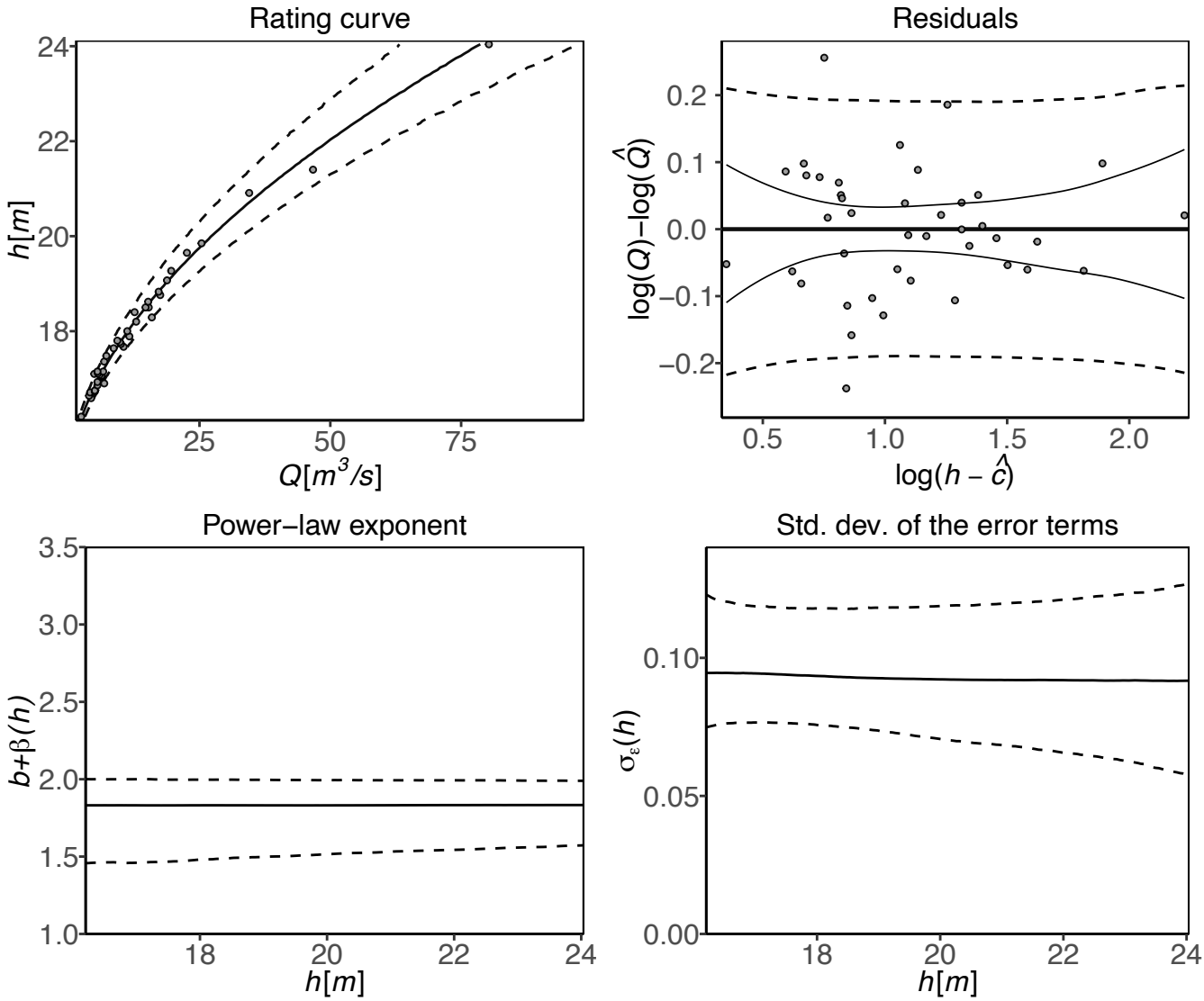
Station name:	Efri–Sauðhylur
Location:	Iceland
Station number:	V586
Number of observations:	41
Start date:	2004–10–23
End date:	2019–09–25
Max. discharge (m^3/s):	80.3
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.30
GPLM0	0.14	0.28
PLM	0.65	0.22
PLM0	0.91	0.19



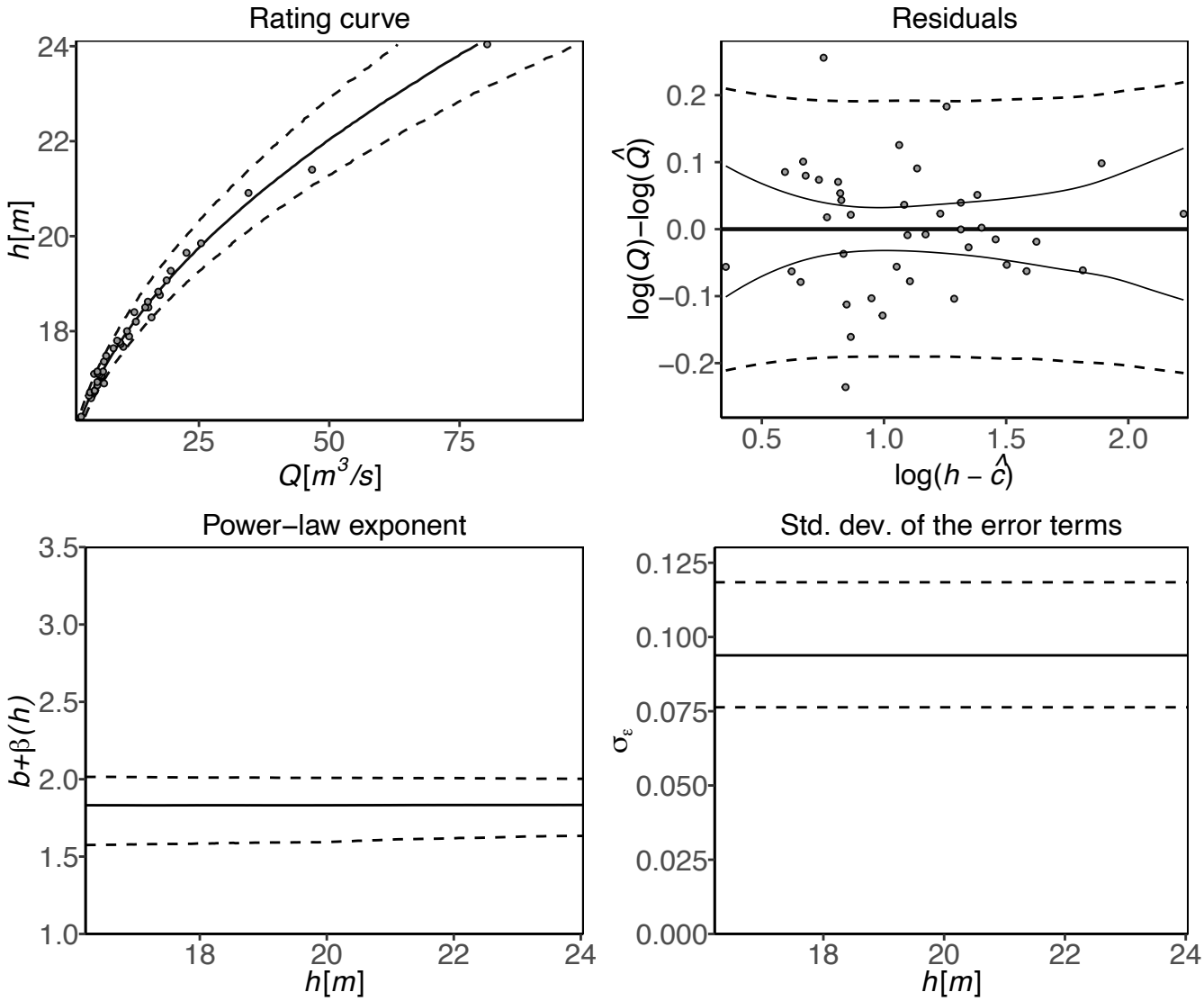


Efri–Sauðhylur, Iceland – GPLM



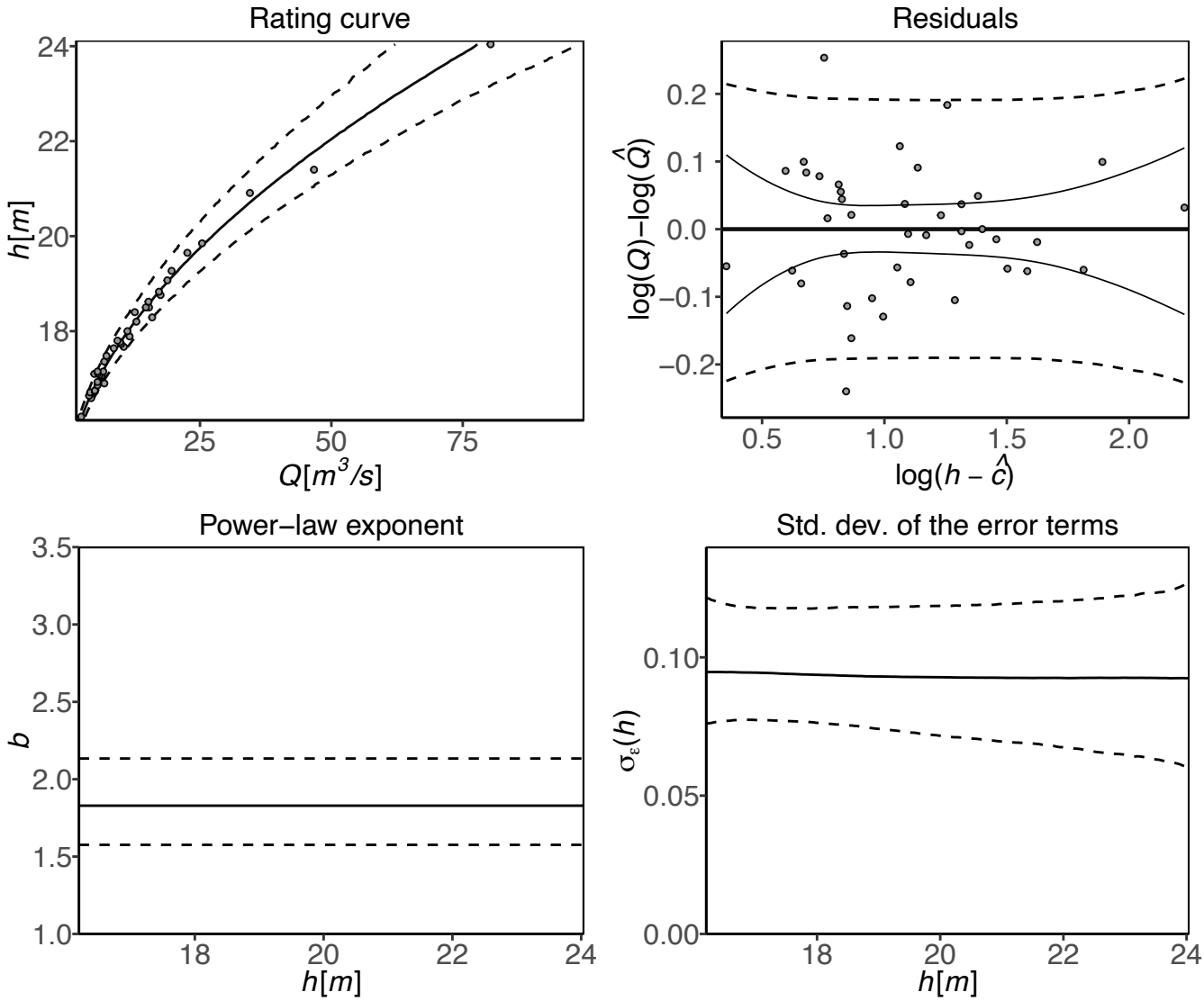
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.33	[0.92; 2.55]	955	1.03
b	1.84	[1.83; 1.84]	10153	1.00
c	14.78	[14.48; 15.25]	869	1.04
σ_β	0.07	[0.00; 0.46]	1458	1.00
ϕ_β	36.72	[1.04; 22587.77]	1254	1.01
σ_η	0.09	[0.00; 0.45]	1487	1.01
η_1	–4.72	[–5.18; –4.19]	1936	1.00
η_2	–4.72	[–6.60; –2.89]	2185	1.00
η_3	–5.00	[–7.55; –2.28]	2486	1.00
η_4	–5.11	[–8.27; –1.74]	2420	1.00
η_5	–5.14	[–8.88; –1.35]	2224	1.00
η_6	–5.22	[–9.42; –0.80]	2227	1.00

Efri−Sauðhylur, Iceland − GPLM0



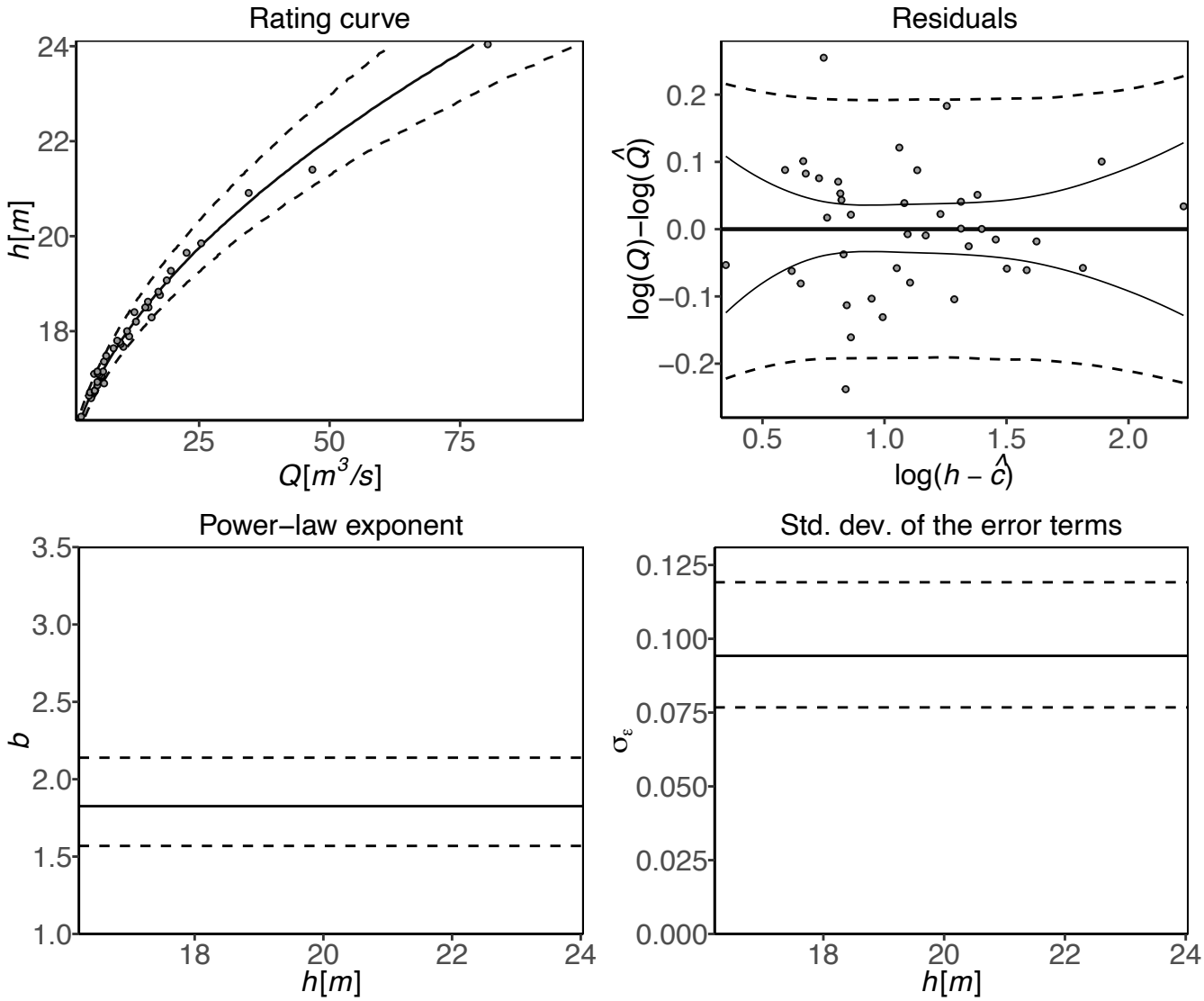
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.33	[0.89; 2.14]	2036	1.00
b	1.84	[1.83; 1.84]	11760	1.00
c	14.78	[14.46; 15.13]	1894	1.00
σ_ε	0.09	[0.08; 0.12]	5816	1.00
σ_β	0.26	[0.05; 0.65]	3053	1.00
ϕ_β	39.73	[1.14; 24489.93]	2387	1.00

Efri–Sauðhylur, Iceland – PLM



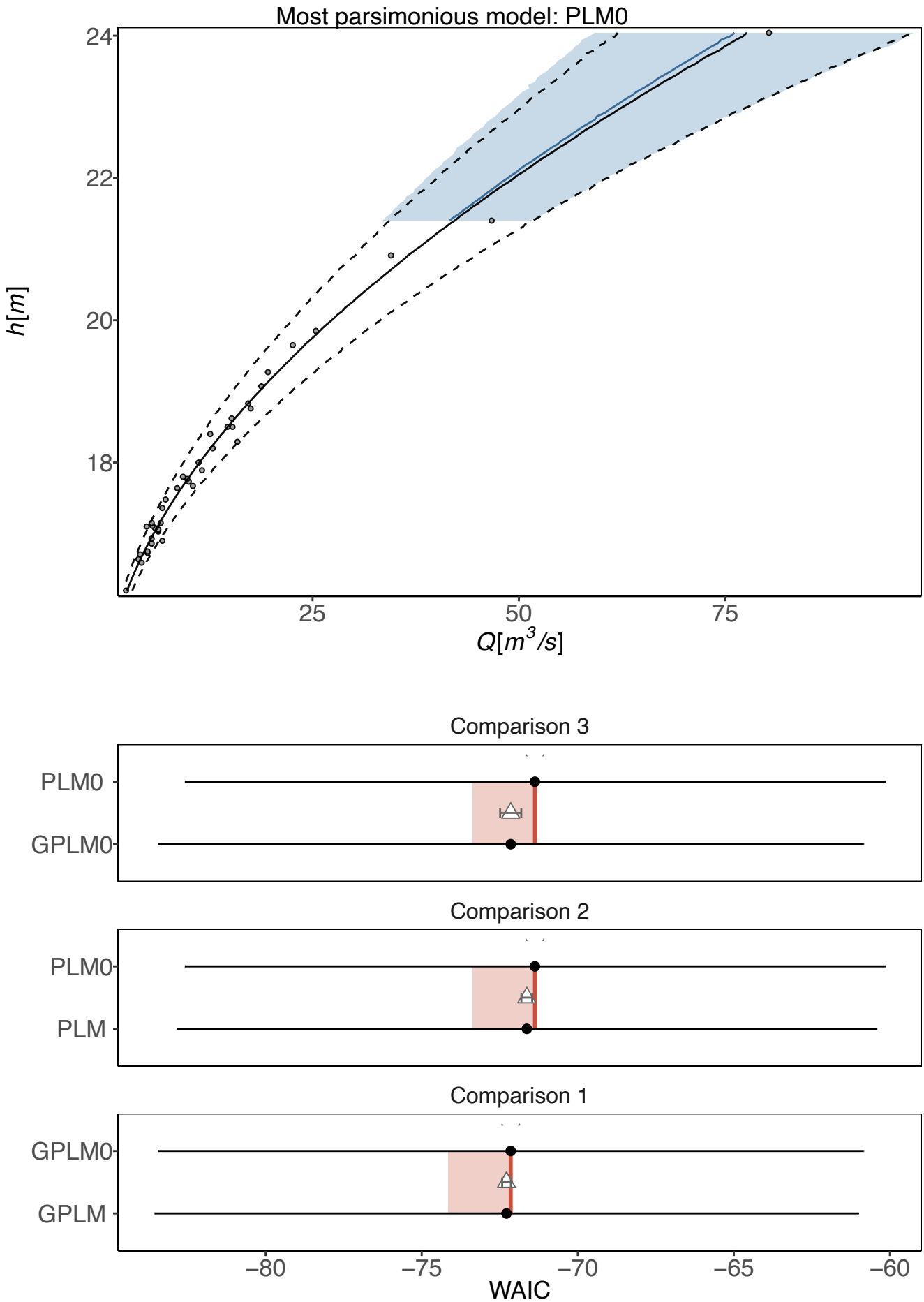
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.32	[0.65; 2.26]	2674	1.00
b	1.83	[1.58; 2.13]	2768	1.00
c	14.78	[14.23; 15.19]	2573	1.00
σ_η	0.08	[0.00; 0.42]	1743	1.00
η_1	–4.71	[–5.15; –4.21]	2803	1.00
η_2	–4.74	[–6.59; –2.86]	2751	1.00
η_3	–4.94	[–7.44; –2.23]	3041	1.00
η_4	–5.05	[–8.19; –1.83]	2978	1.00
η_5	–5.05	[–8.80; –1.29]	2616	1.00
η_6	–5.08	[–9.31; –0.77]	2828	1.00

Efri−Sauðhylur, Iceland − PLM0



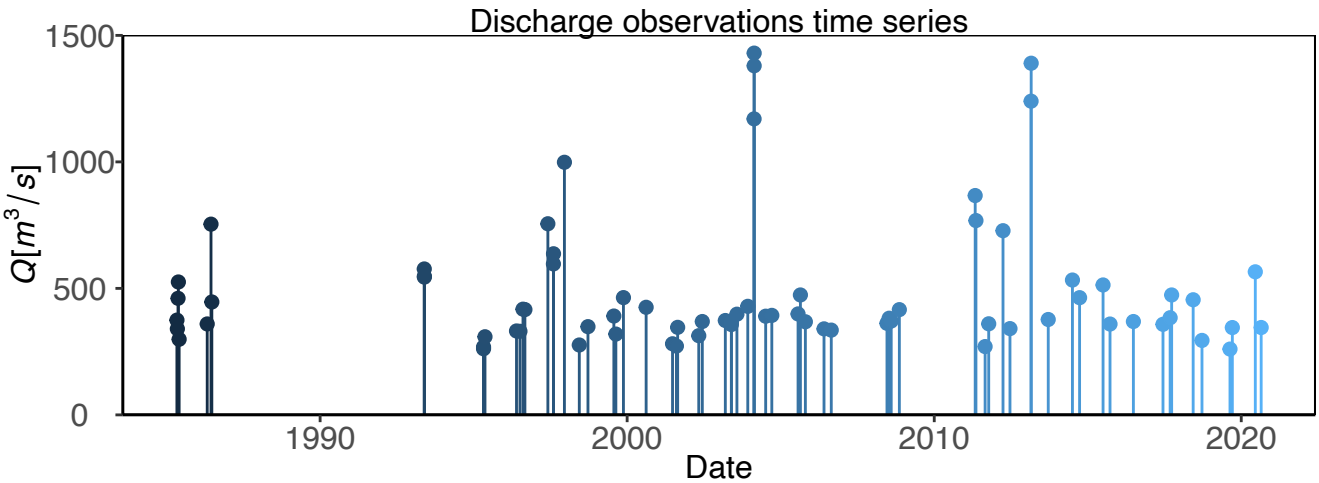
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	1.34	[0.65; 2.28]	9482	1.00
b	1.83	[1.57; 2.14]	9630	1.00
c	14.78	[14.23; 15.20]	9274	1.00
σ_ε	0.09	[0.08; 0.12]	9899	1.00

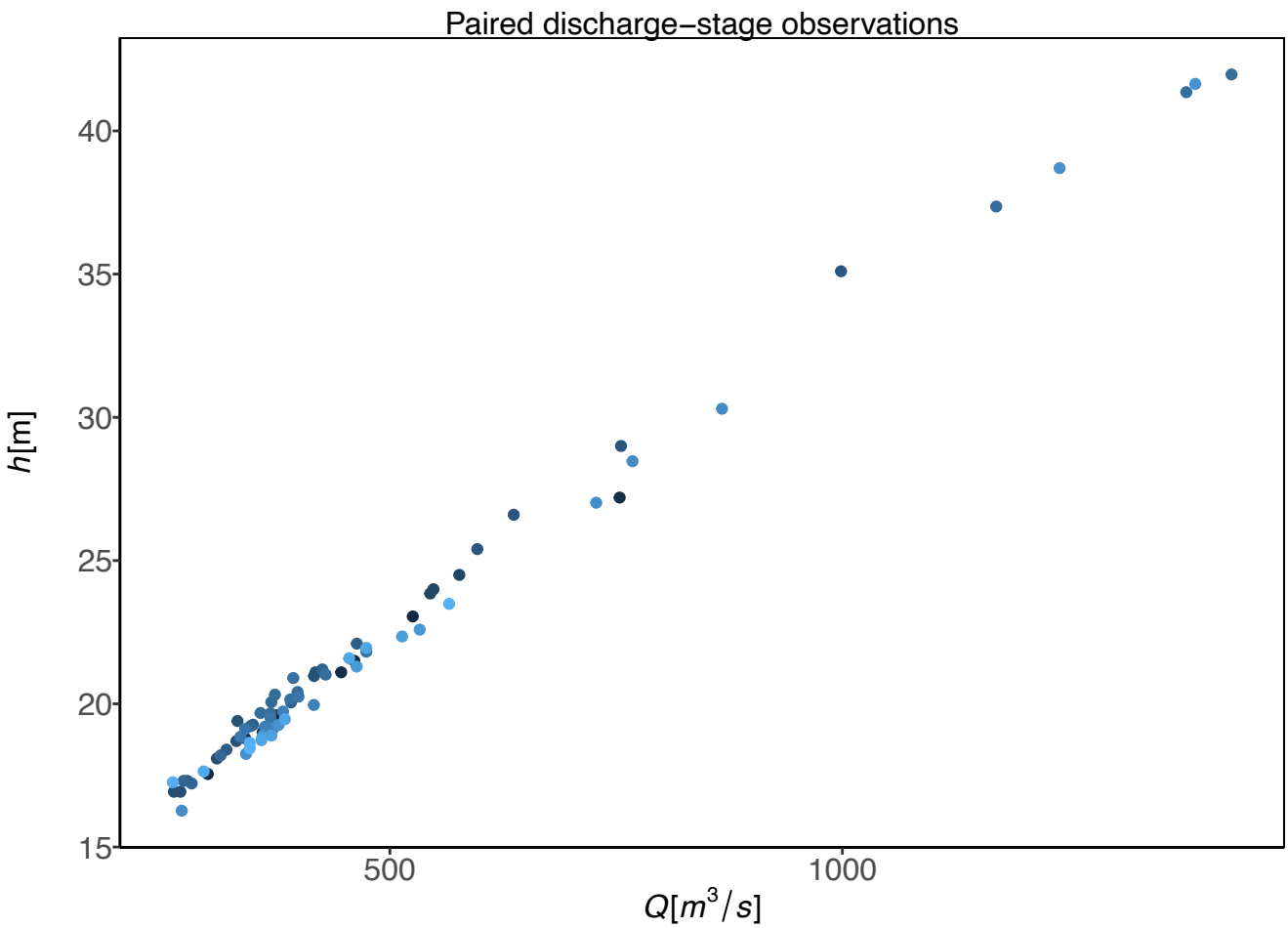
Power−law tournament results for Efri−Sauðhylur, Iceland



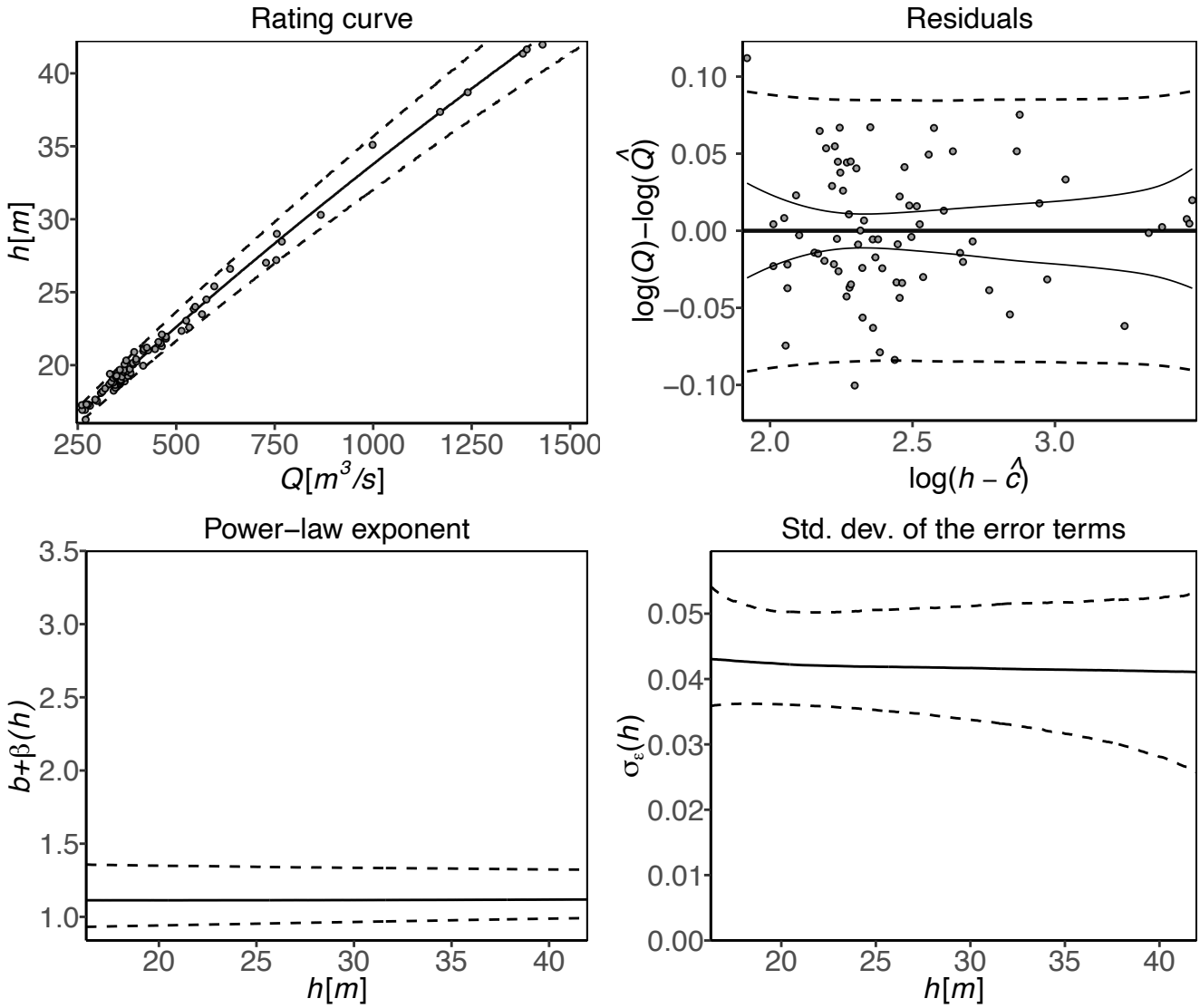
Station name:	Selfoss
Location:	Iceland
Station number:	V64
Number of observations:	75
Start date:	1985–05–04
End date:	2020–08–25
Max. discharge (m^3/s):	1430
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.29
GPLM0	0.10	0.27
PLM	0.44	0.23
PLM0	0.65	0.21



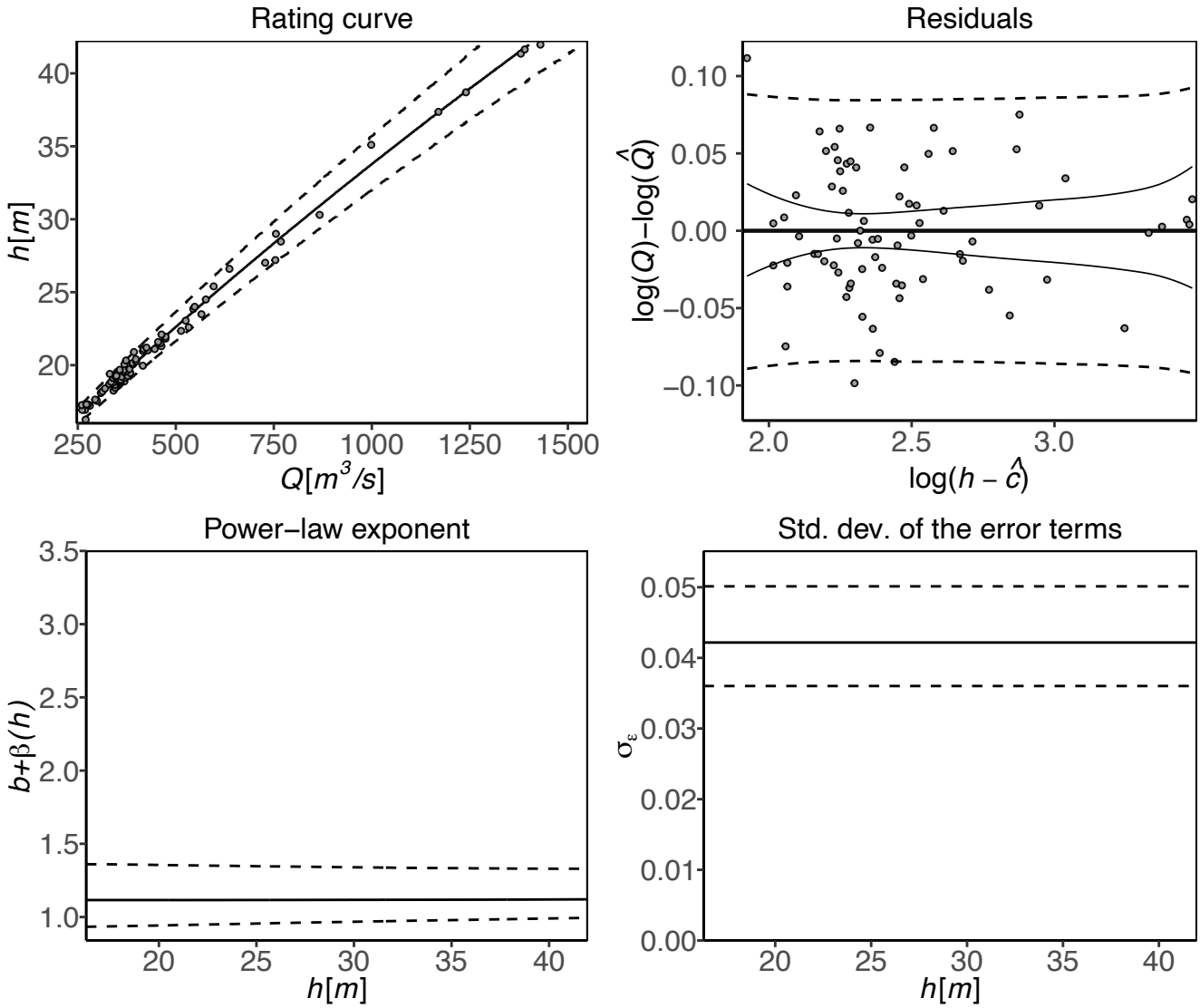


Selfoss, Iceland – GPLM



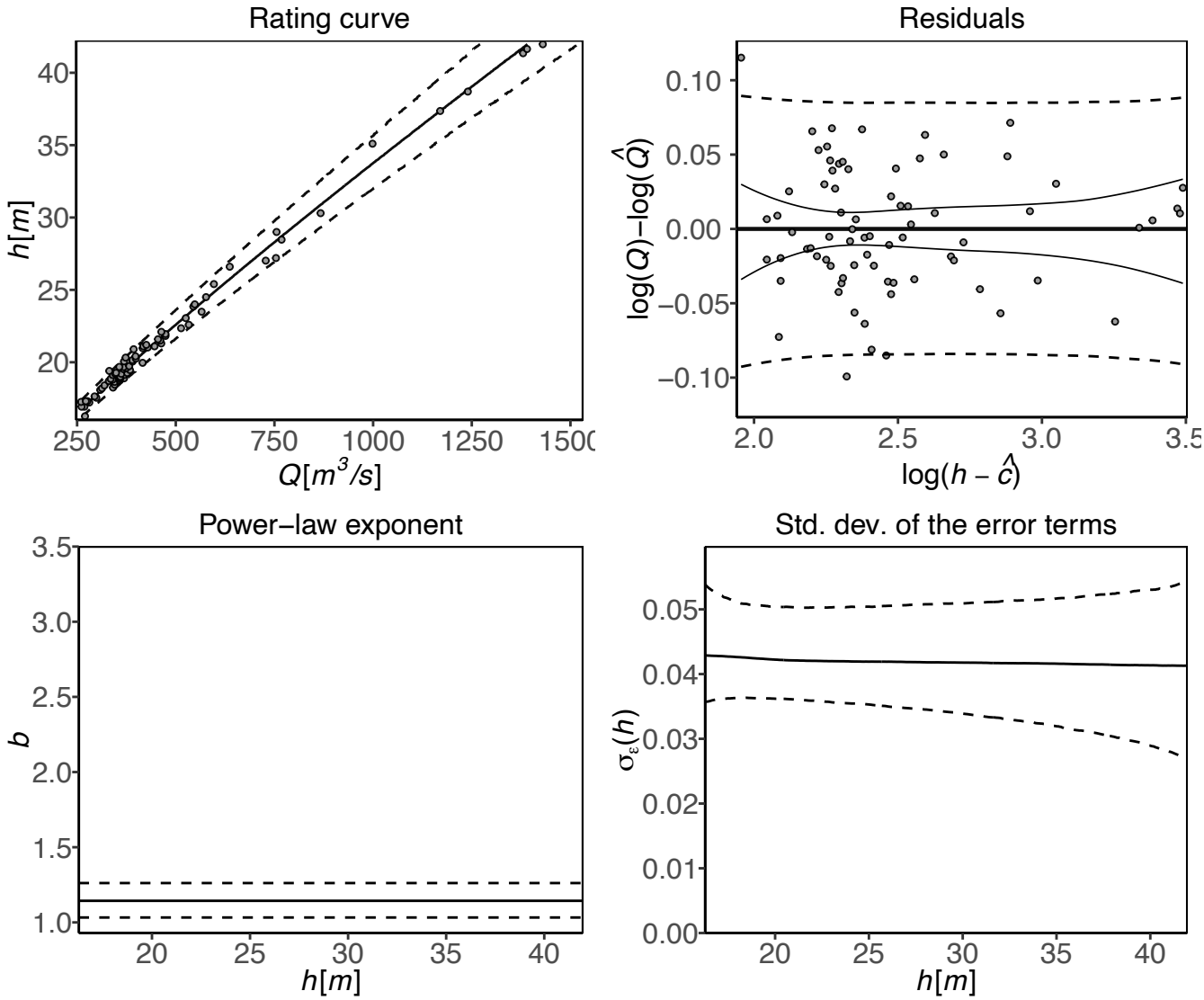
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	28.37	[13.07; 46.01]	1736	1.00
b	1.83	[1.83; 1.84]	9499	1.00
c	9.45	[7.44; 10.43]	1076	1.01
σ_β	0.44	[0.23; 0.93]	2164	1.00
ϕ_β	686.32	[63.22; 211912.20]	1236	1.00
σ_η	0.08	[0.00; 0.44]	1532	1.01
η_1	−6.29	[−6.66; −5.83]	1888	1.01
η_2	−6.49	[−8.28; −4.56]	2093	1.00
η_3	−6.57	[−9.15; −3.86]	2110	1.00
η_4	−6.73	[−9.74; −3.42]	2255	1.00
η_5	−6.90	[−10.40; −2.95]	2141	1.00
η_6	−7.01	[−11.11; −2.57]	2247	1.00

Selfoss, Iceland – GPLM0



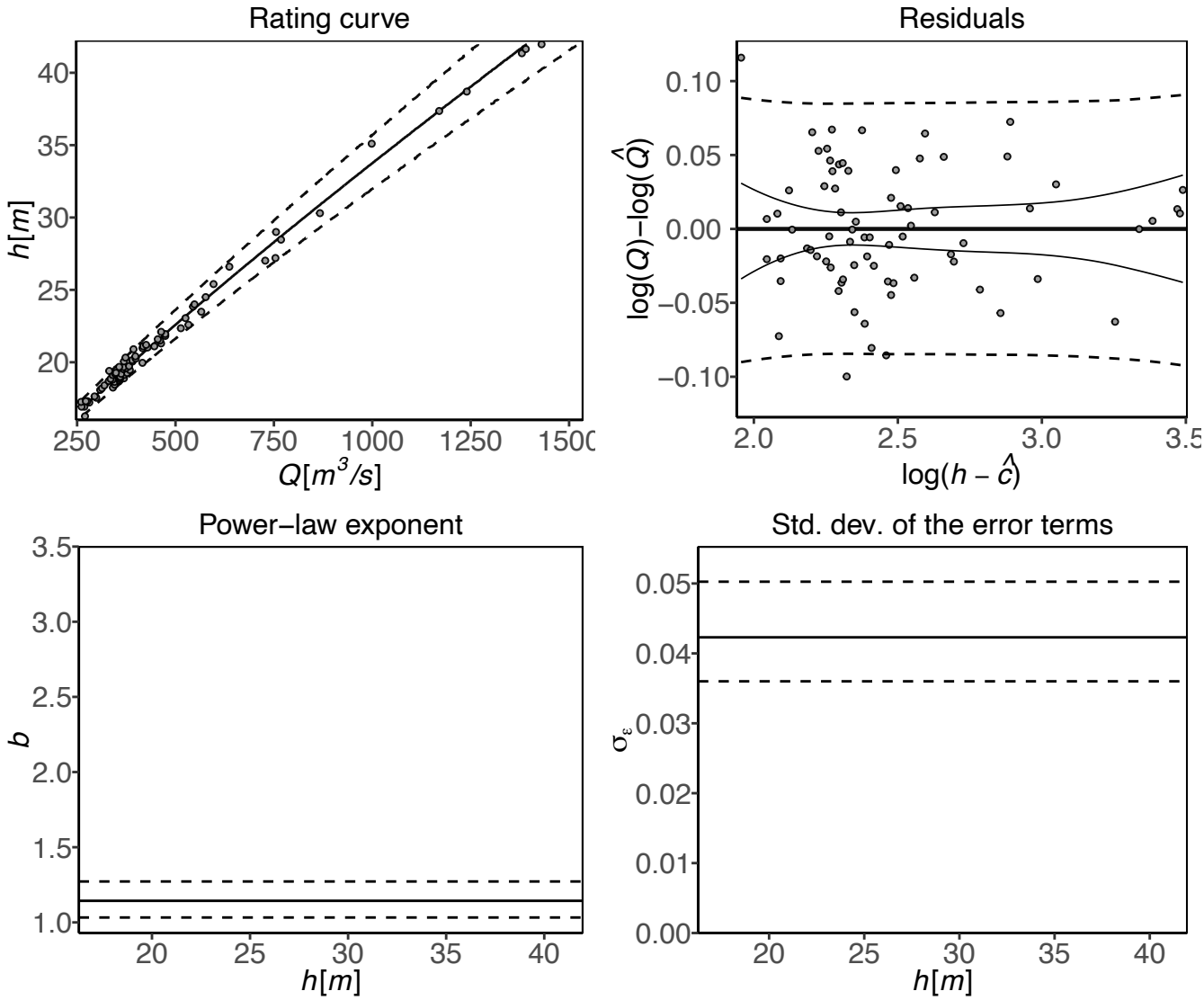
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	28.23	[12.84; 45.60]	3722	1.00
b	1.83	[1.83; 1.84]	12350	1.00
c	9.43	[7.36; 10.40]	2160	1.00
σ_ε	0.04	[0.04; 0.05]	5017	1.00
σ_β	0.68	[0.48; 0.98]	5154	1.00
ϕ_β	682.90	[65.91; 221935.48]	2247	1.00

Selfoss, Iceland – PLM



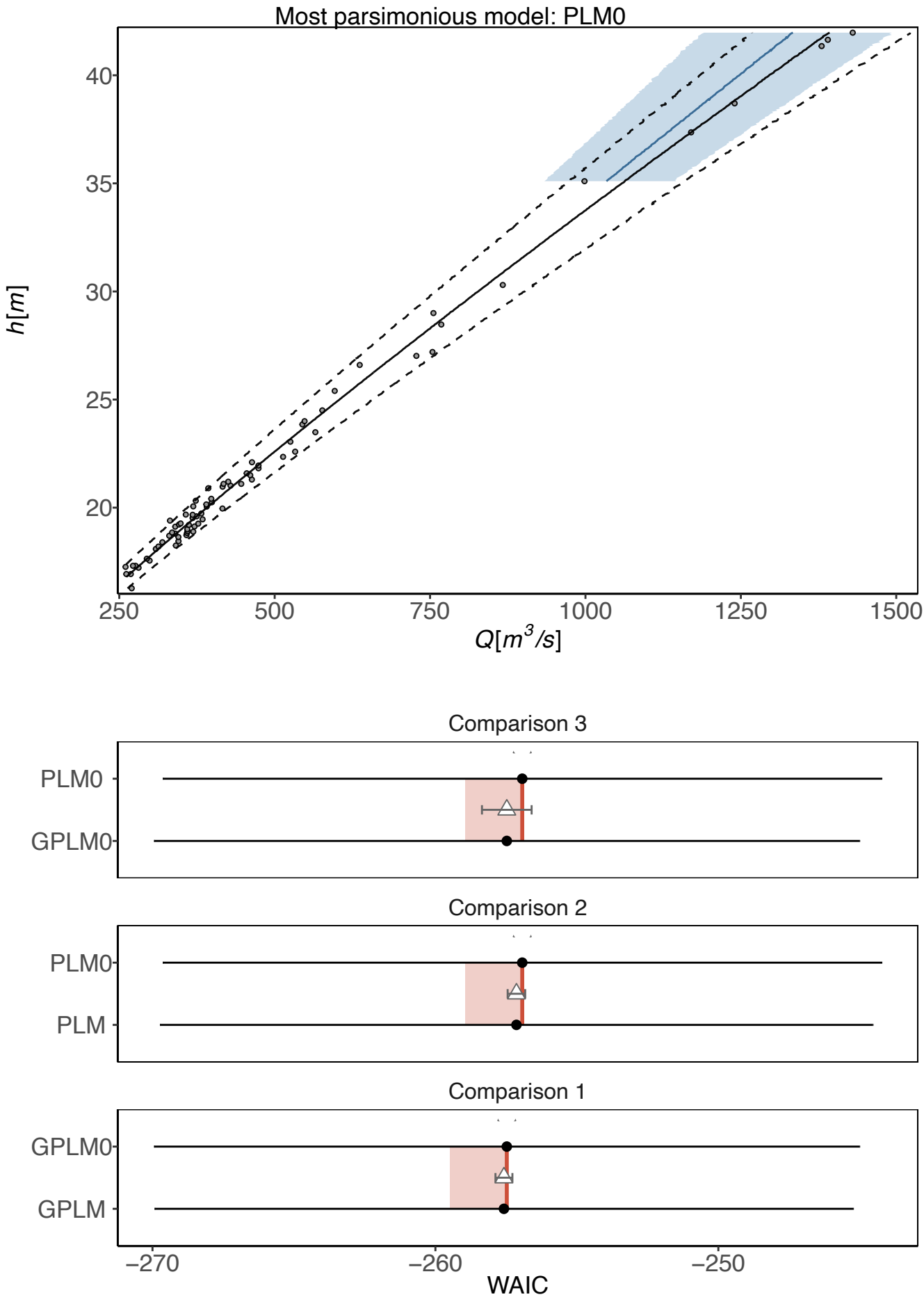
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	25.74	[16.49; 38.55]	2590	1.00
b	1.14	[1.03; 1.26]	2641	1.00
c	9.21	[7.72; 10.54]	2506	1.00
σ_η	0.08	[0.00; 0.42]	1952	1.00
η_1	–6.30	[–6.67; –5.84]	2359	1.00
η_2	–6.51	[–8.31; –4.69]	2495	1.00
η_3	–6.60	[–9.16; –3.99]	2736	1.00
η_4	–6.72	[–9.79; –3.37]	2478	1.00
η_5	–6.85	[–10.46; –2.87]	2695	1.00
η_6	–6.95	[–11.14; –2.41]	2631	1.00

Selfoss, Iceland – PLM0



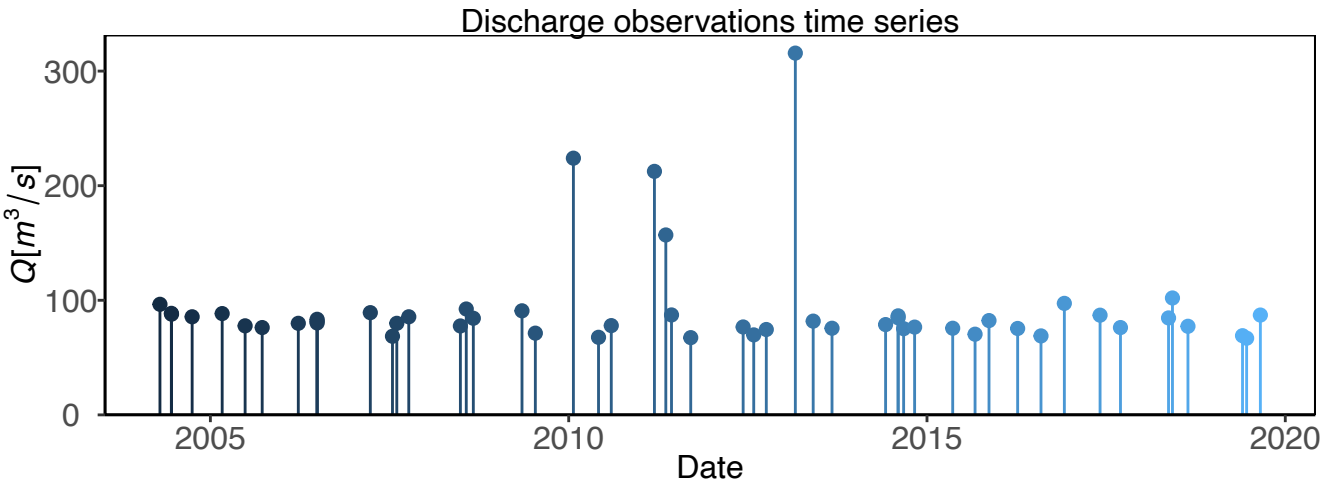
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	25.71	[15.89; 38.51]	8655	1.00
b	1.14	[1.03; 1.27]	8735	1.00
c	9.20	[7.63; 10.53]	8594	1.00
σ_ε	0.04	[0.04; 0.05]	9517	1.00

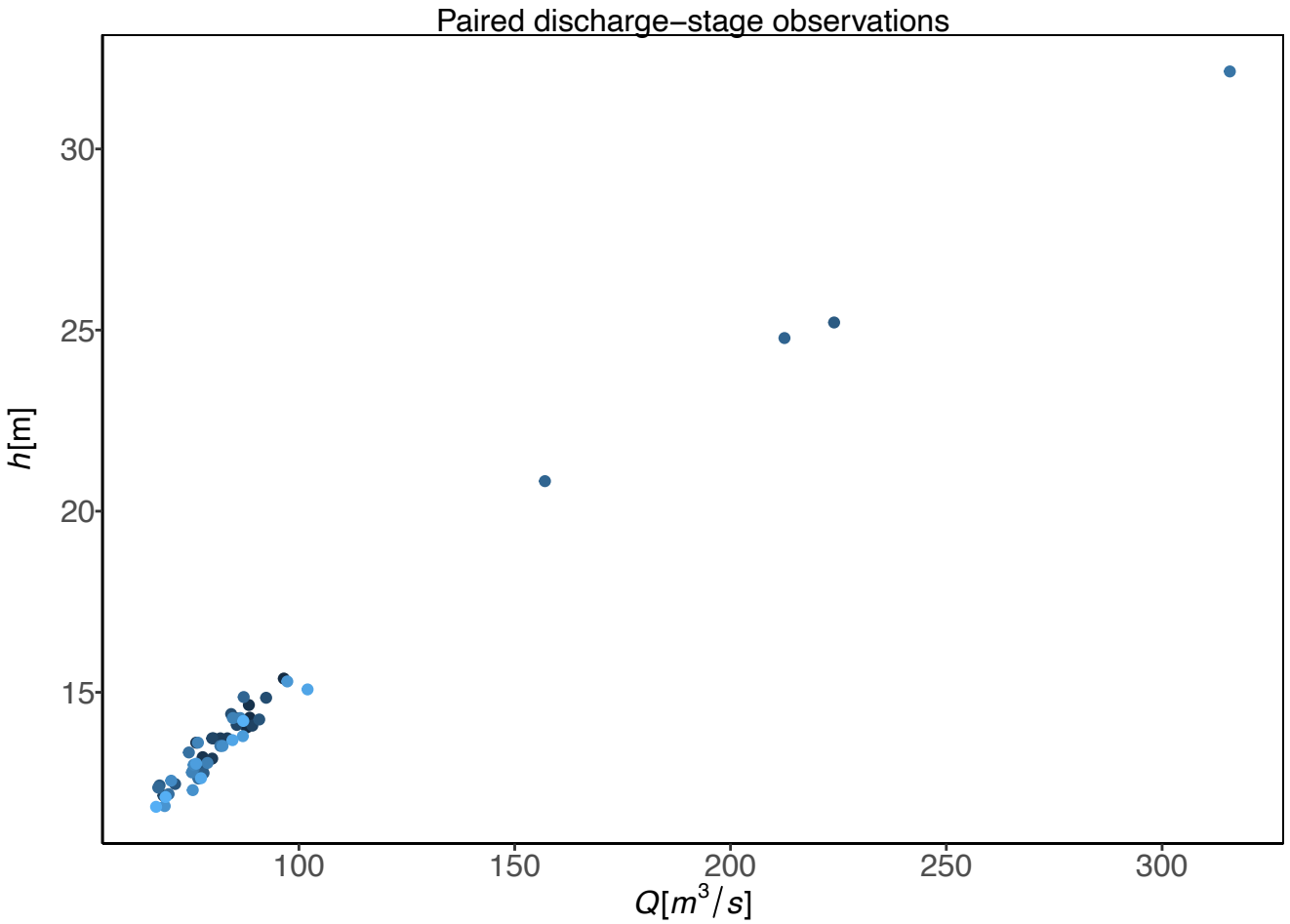
Power−law tournament results for Selfoss, Iceland



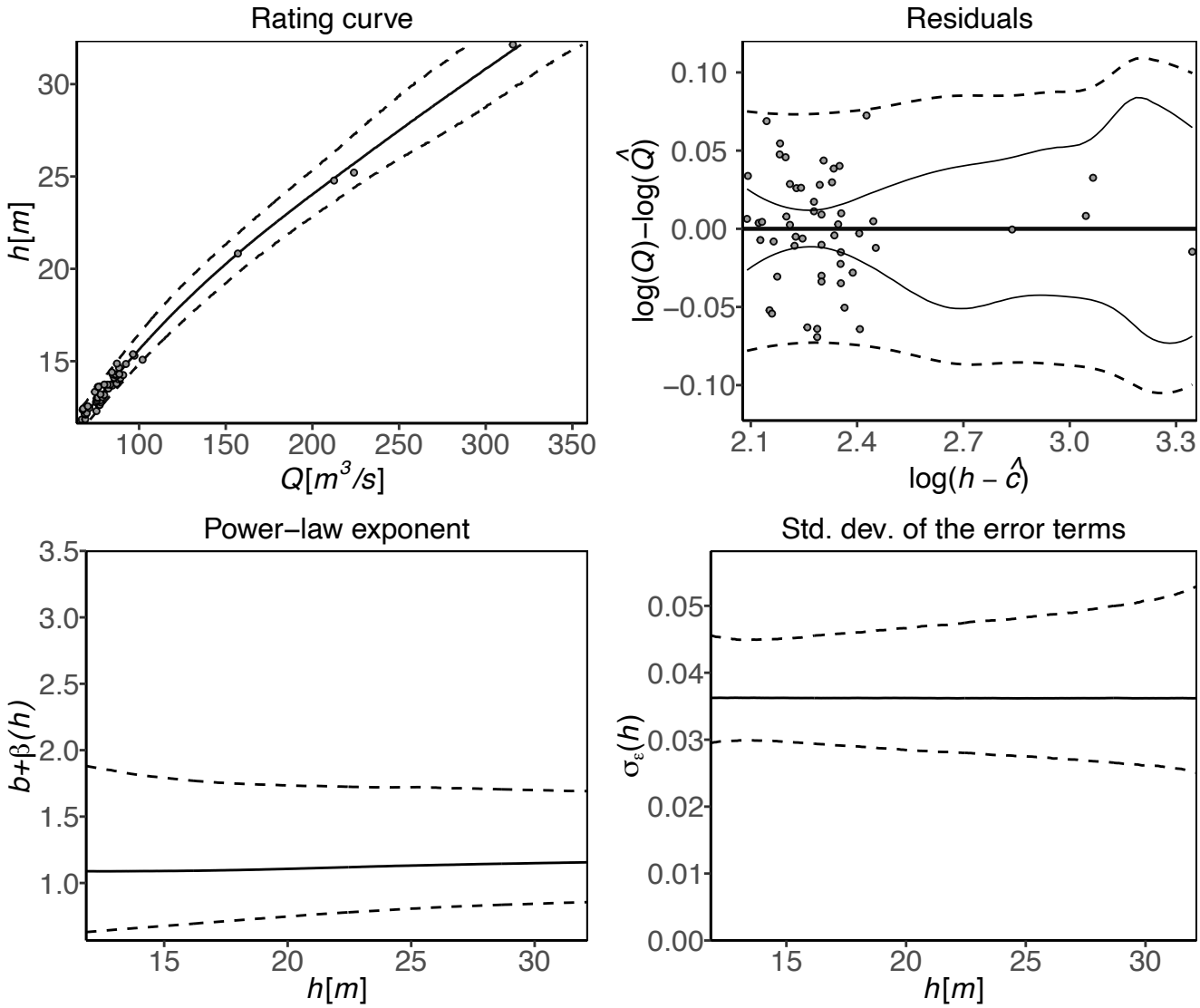
Station name:	Kljáfoss
Location:	Iceland
Station number:	V66
Number of observations:	52
Start date:	2004–04–19
End date:	2019–08–27
Max. discharge (m^3/s):	315.7
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.49
GPLM0	0.07	0.48
PLM	7.12	0.01
PLM0	6.83	0.02



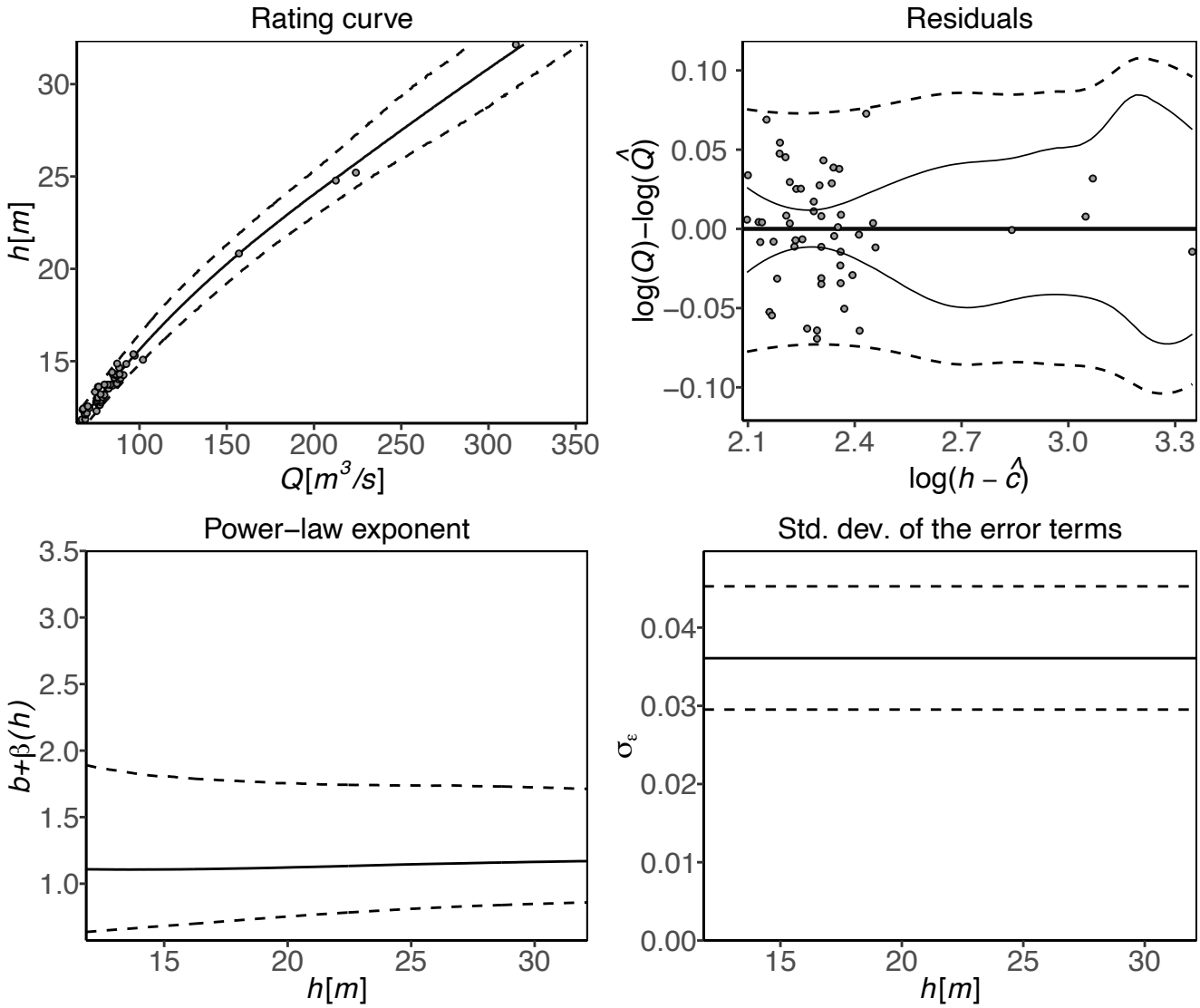


Kljáfoss, Iceland – GPLM



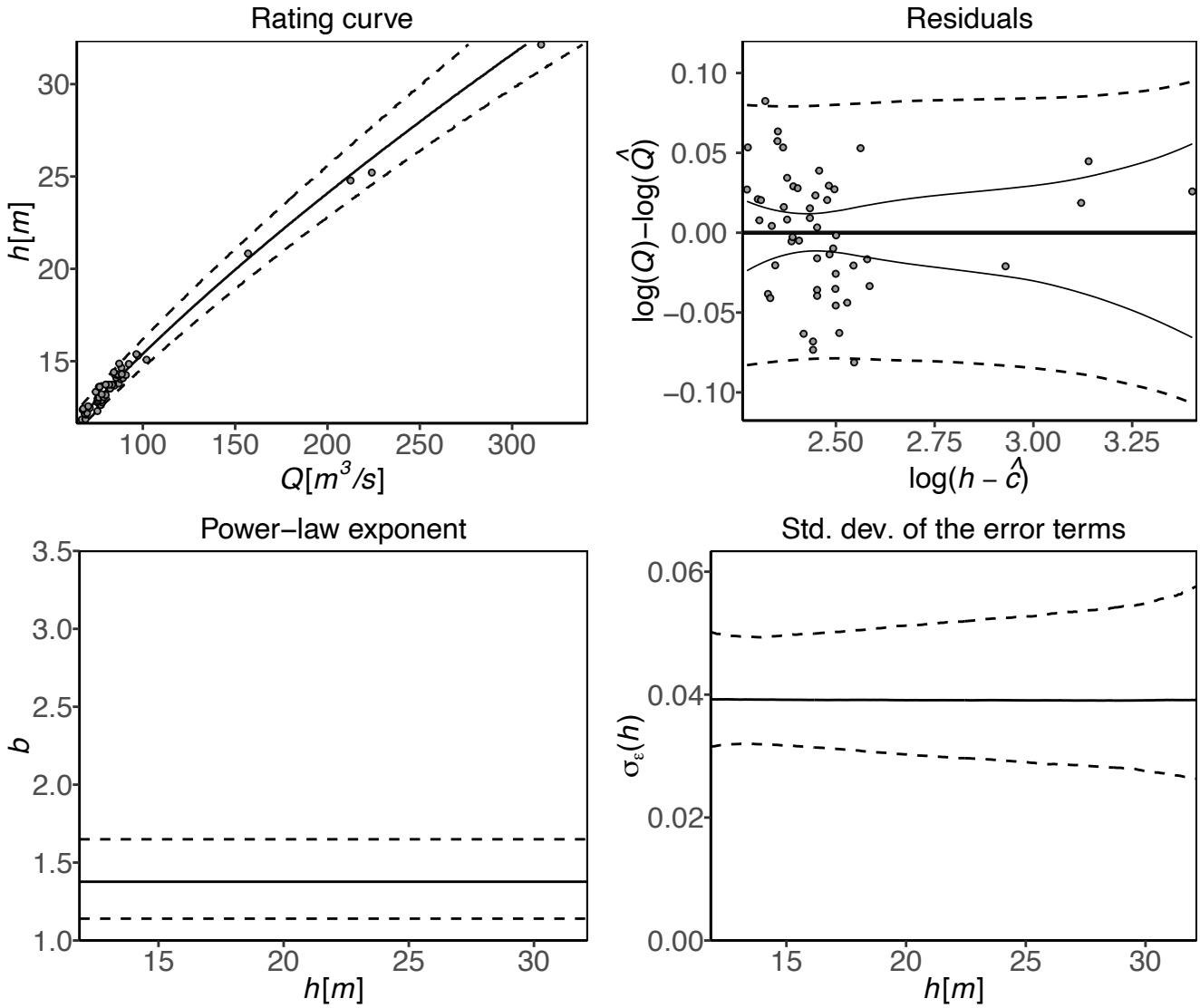
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.68	[1.02; 18.37]	2483	1.00
b	1.83	[1.83; 1.84]	10726	1.00
c	3.76	[0.79; 4.34]	1538	1.00
σ_β	0.45	[0.14; 1.03]	2025	1.00
ϕ_β	53.18	[10.59; 445.77]	1143	1.01
σ_η	0.08	[0.00; 0.39]	1364	1.00
η_1	−6.63	[−7.04; −6.18]	2186	1.00
η_2	−6.64	[−8.52; −4.74]	2370	1.00
η_3	−6.63	[−9.26; −4.05]	2608	1.00
η_4	−6.67	[−9.93; −3.32]	2332	1.00
η_5	−6.66	[−10.51; −2.76]	2203	1.00
η_6	−6.66	[−11.00; −2.45]	2271	1.00

Kljáfoss, Iceland – GPLM0



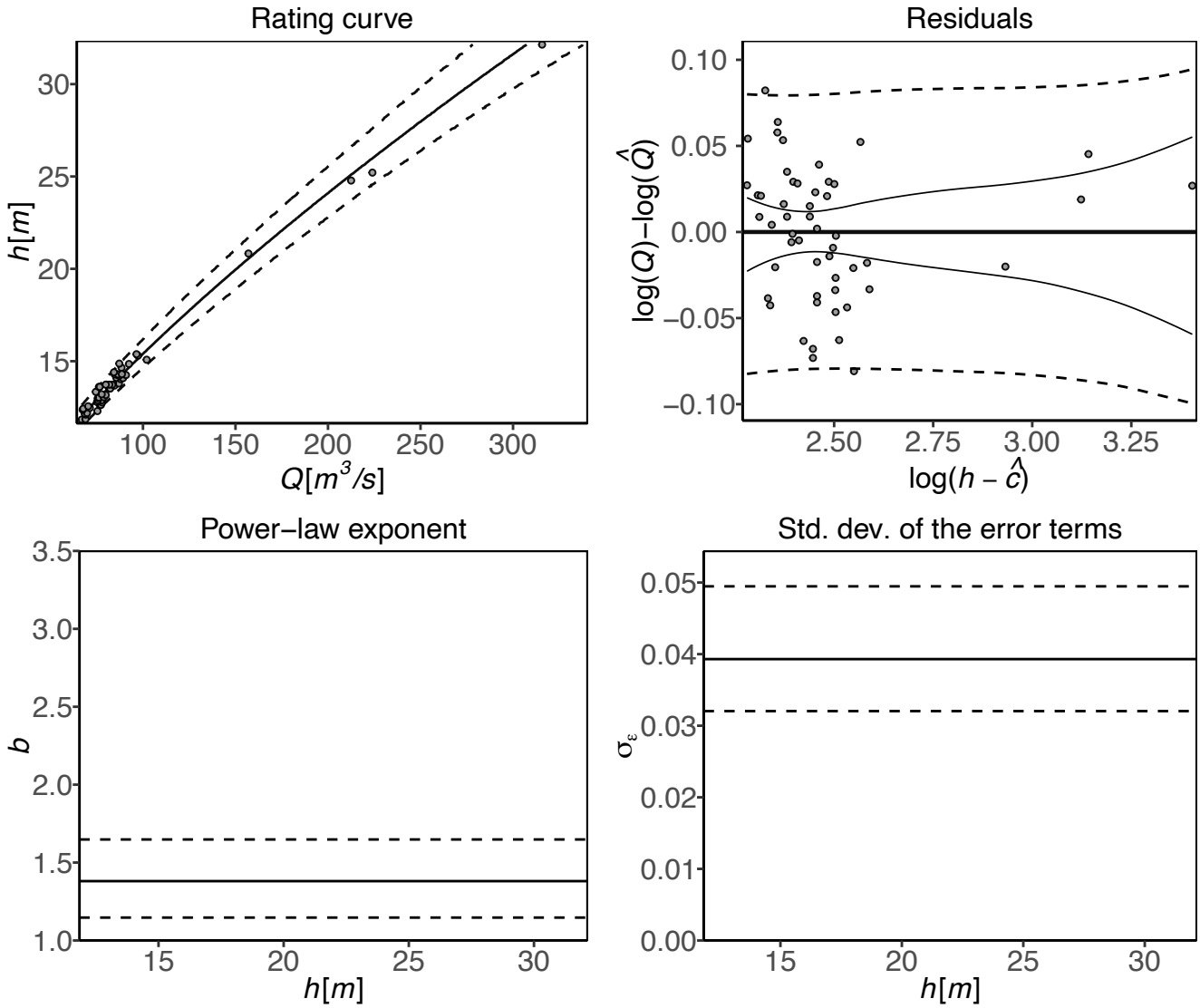
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	6.33	[0.95; 18.09]	3933	1.00
b	1.83	[1.83; 1.84]	12323	1.00
c	3.69	[0.44; 4.34]	2840	1.00
σ_ε	0.04	[0.03; 0.05]	4609	1.00
σ_β	0.67	[0.35; 1.00]	3170	1.00
ϕ_β	53.17	[9.83; 793.11]	1315	1.02

Kljáfoss, Iceland – PLM



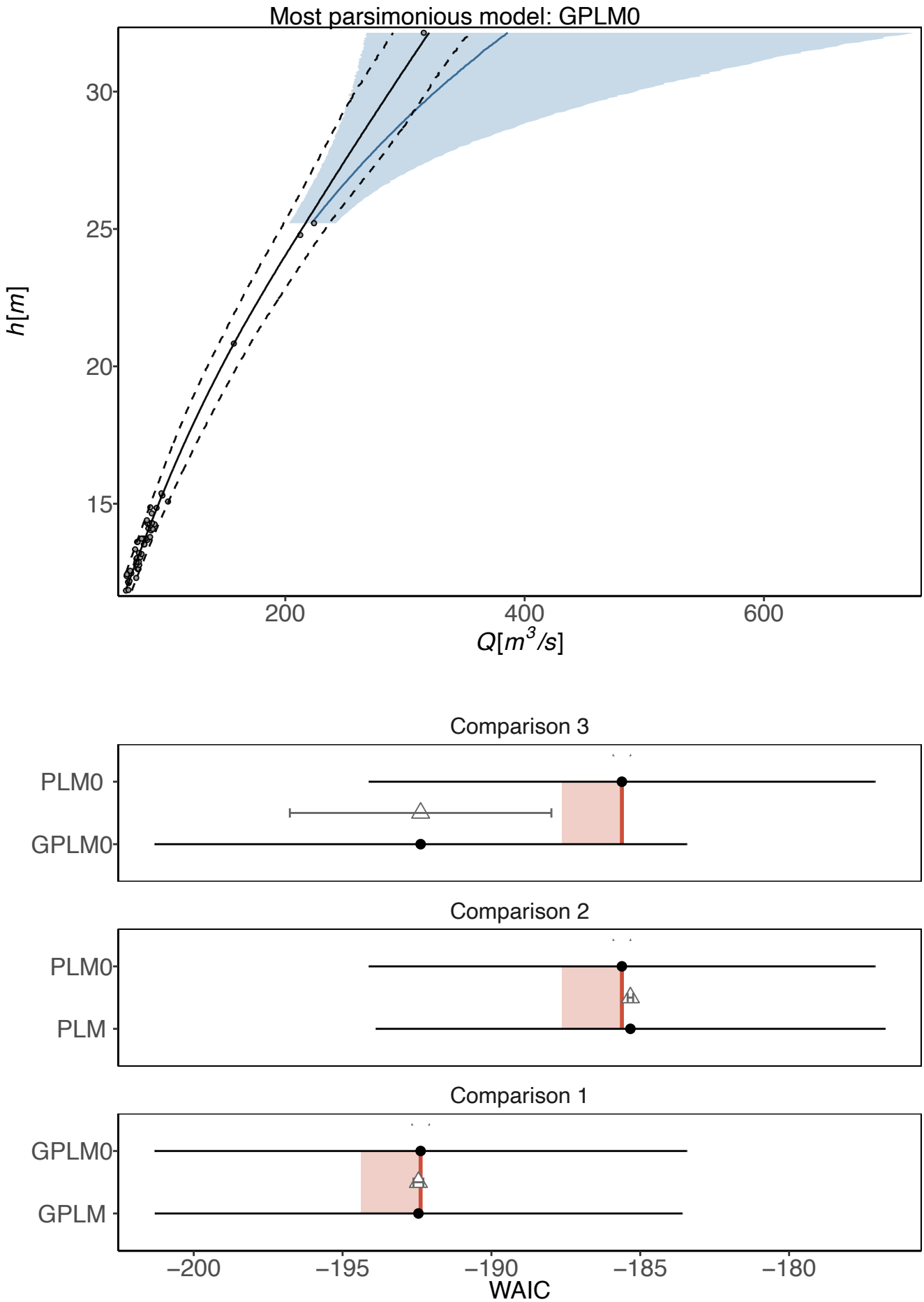
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.84	[1.00; 6.69]	2813	1.00
b	1.38	[1.14; 1.65]	2832	1.00
c	2.11	[−0.89; 4.61]	2736	1.00
σ_η	0.08	[0.00; 0.41]	1564	1.01
η_1	−6.48	[−6.91; −5.98]	2656	1.00
η_2	−6.48	[−8.36; −4.62]	2798	1.00
η_3	−6.50	[−9.17; −3.85]	2872	1.00
η_4	−6.54	[−9.79; −3.20]	3011	1.00
η_5	−6.57	[−10.33; −2.77]	2901	1.00
η_6	−6.56	[−10.79; −2.23]	2976	1.00

Kljáfoss, Iceland – PLM0



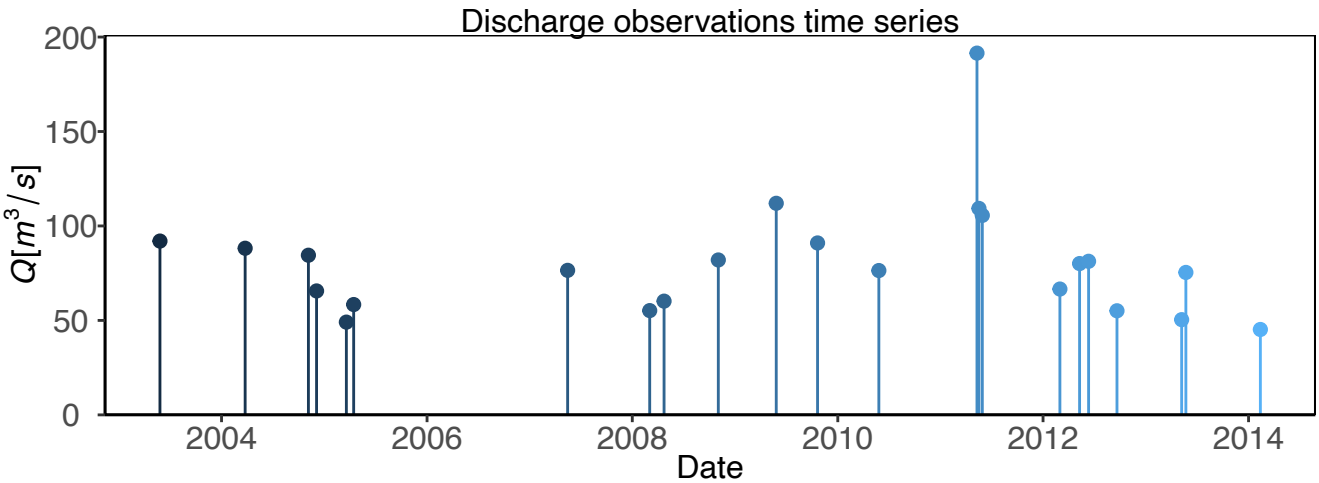
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	2.80	[1.00; 6.53]	9751	1.00
b	1.38	[1.15; 1.65]	9868	1.00
c	2.06	[–0.90; 4.55]	9519	1.00
σ_ε	0.04	[0.03; 0.05]	9682	1.00

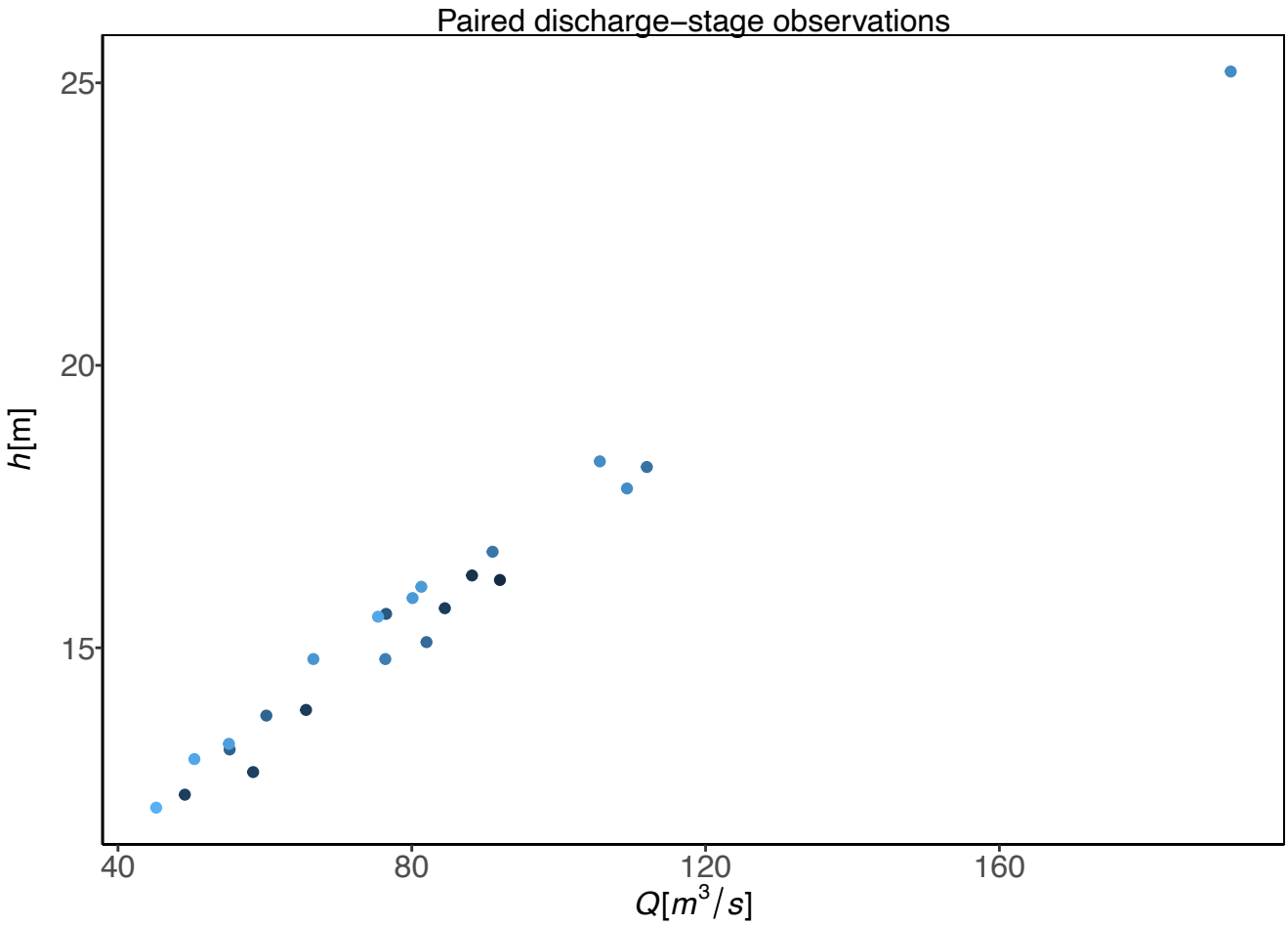
Power−law tournament results for Kljáfoss, Iceland



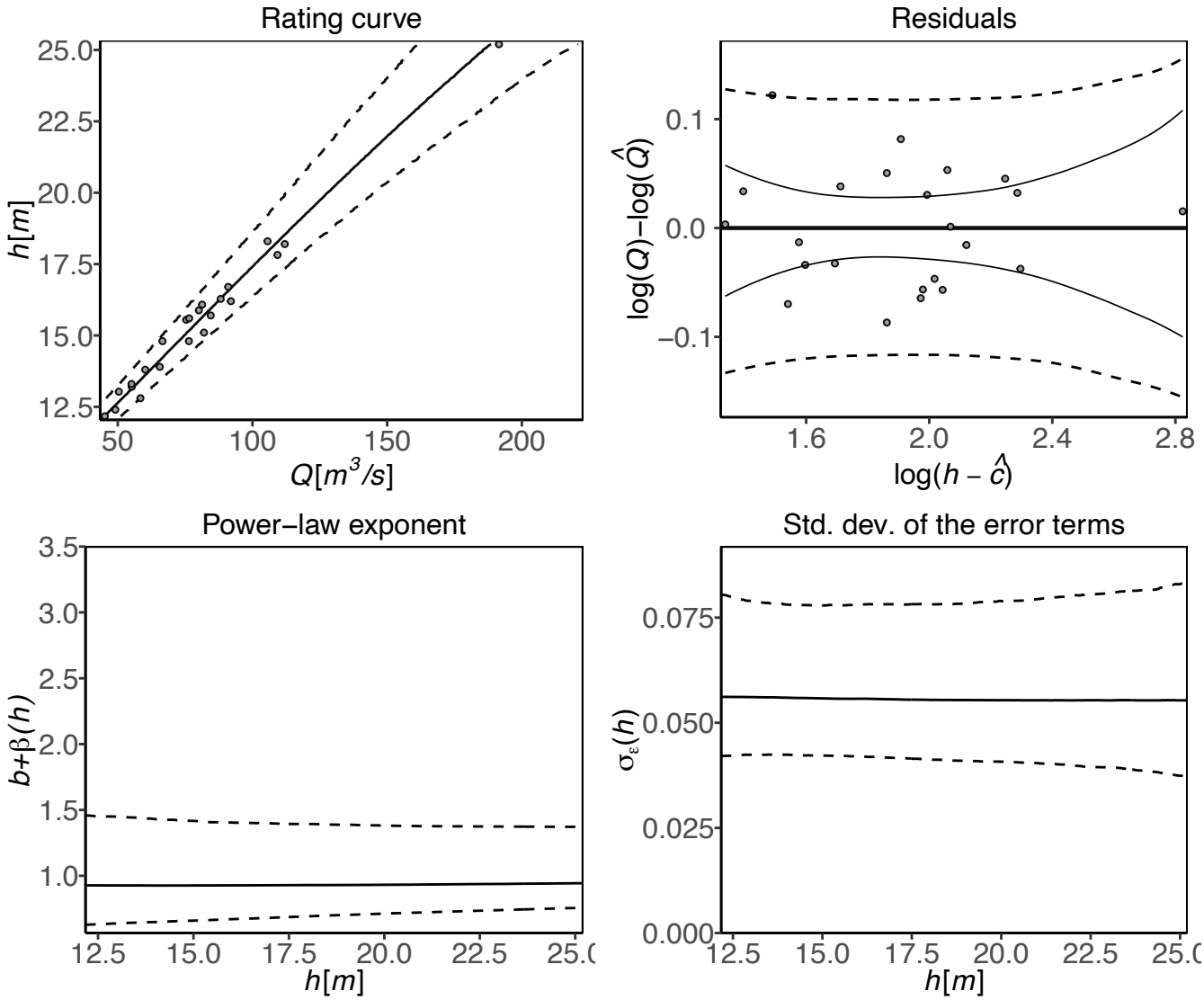
Station name:	Skaftárdalur
Location:	Iceland
Station number:	V70
Number of observations:	23
Start date:	2003–05–27
End date:	2014–02–12
Max. discharge (m^3/s):	191.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.3
GPLM0	0.05	0.3
PLM	0.85	0.2
PLM0	0.81	0.2



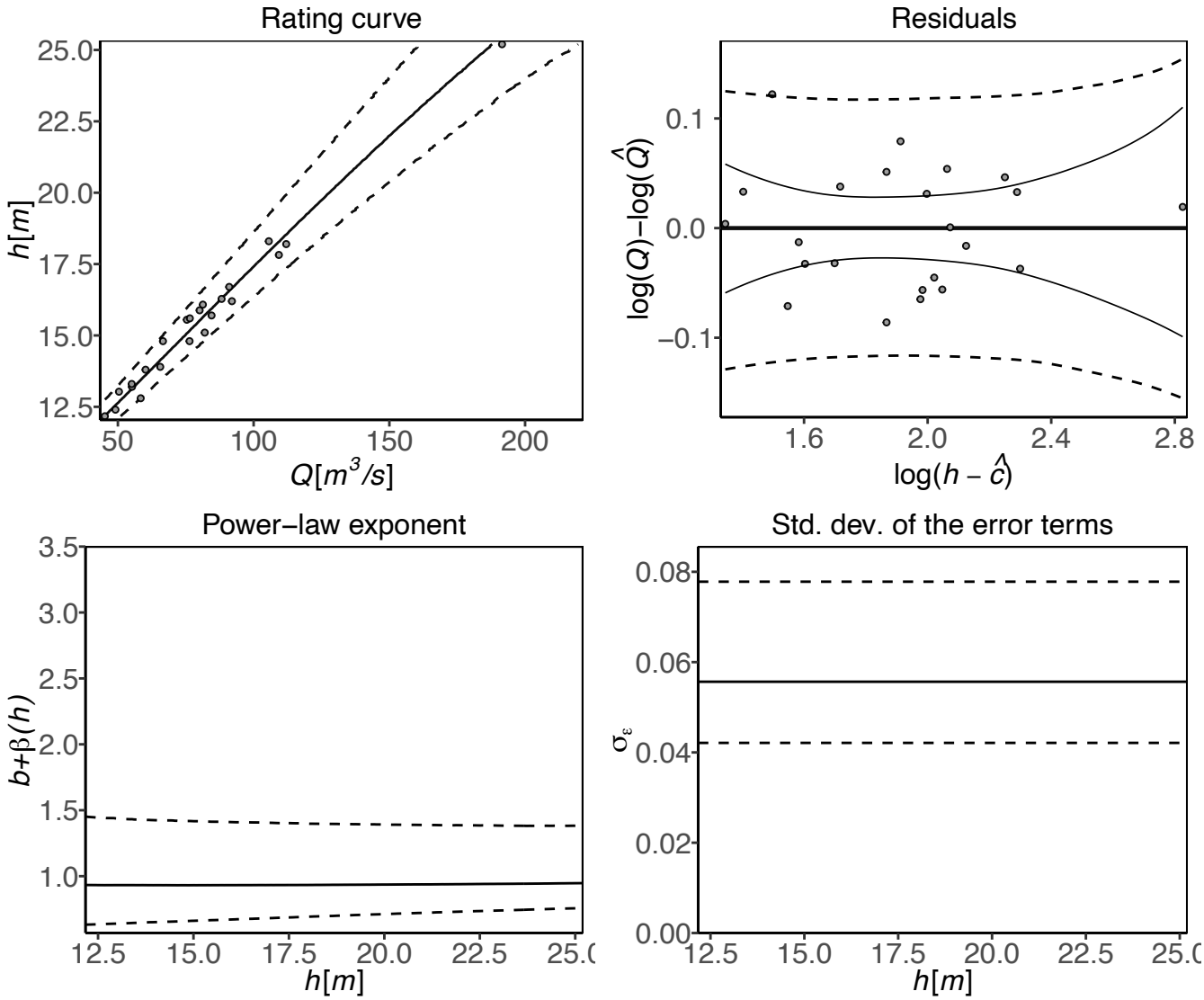


Skaftárdalur, Iceland – GPLM



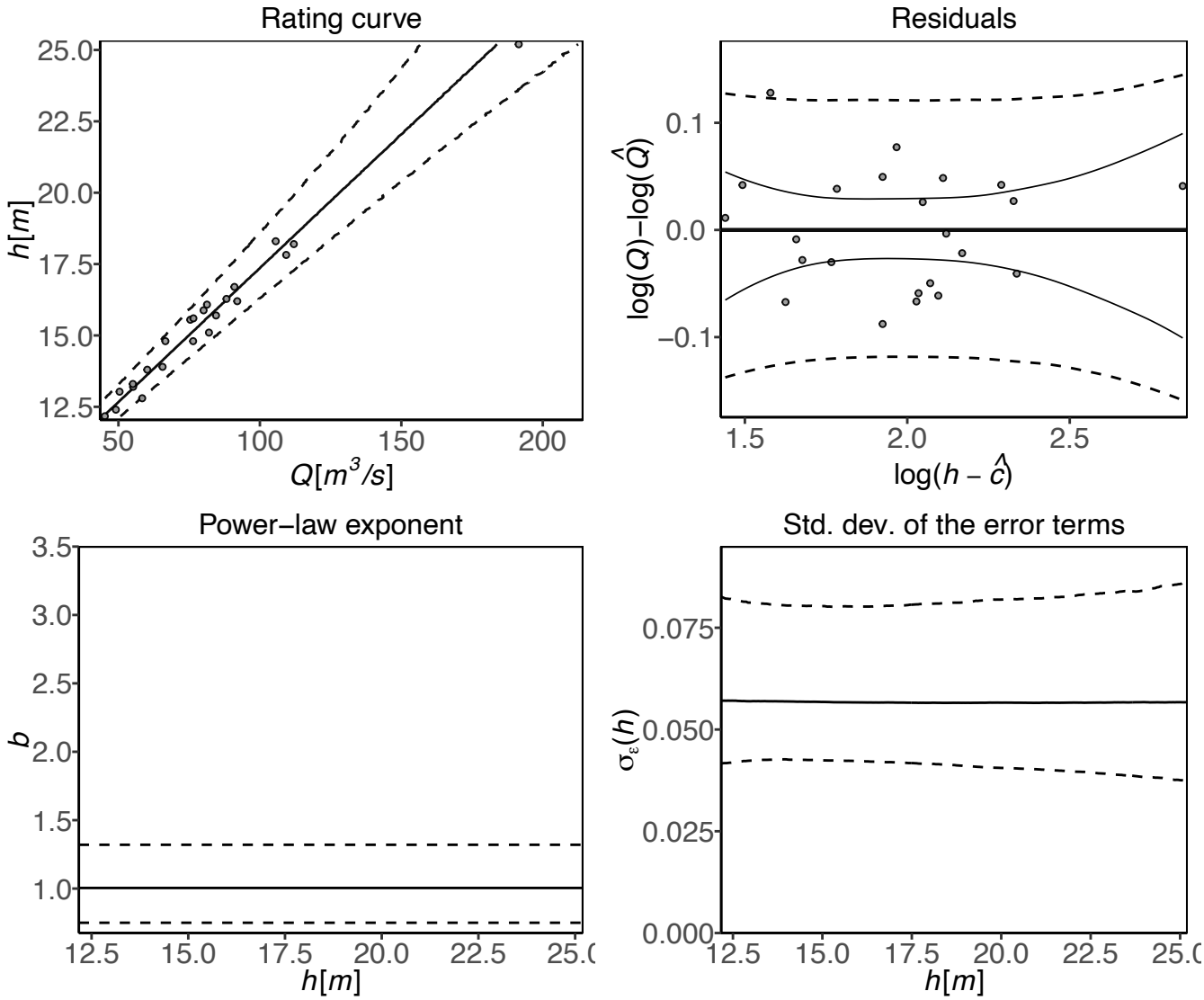
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	13.02	[3.35; 23.17]	2252	1.00
b	1.83	[1.83; 1.84]	10713	1.00
c	8.36	[5.73; 9.34]	1571	1.01
σ_β	0.52	[0.25; 1.07]	2053	1.00
ϕ_β	153.12	[17.60; 29133.28]	1141	1.01
σ_η	0.08	[0.00; 0.42]	1387	1.00
η_1	−5.76	[−6.34; −5.04]	2102	1.00
η_2	−5.80	[−7.76; −3.87]	2151	1.00
η_3	−5.91	[−8.57; −3.30]	2335	1.00
η_4	−6.00	[−9.21; −2.70]	2319	1.01
η_5	−6.00	[−9.80; −2.13]	2329	1.00
η_6	−6.01	[−10.22; −1.75]	2223	1.00

Skaftárdalur, Iceland – GPLM0



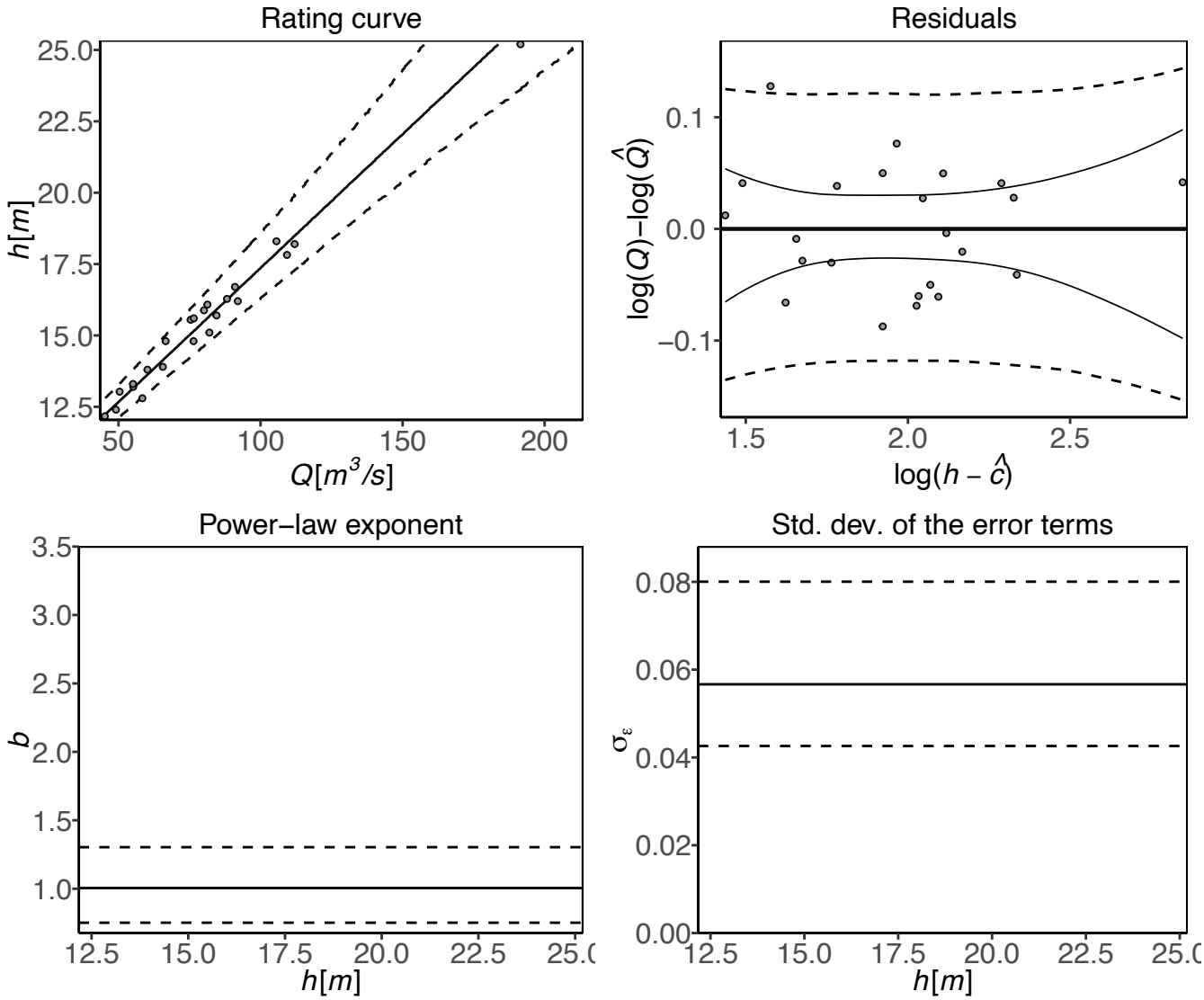
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	12.81	[3.25; 23.20]	4177	1.00
b	1.83	[1.83; 1.84]	12694	1.00
c	8.33	[5.70; 9.36]	2568	1.00
σ_ε	0.06	[0.04; 0.08]	4808	1.00
σ_β	0.72	[0.50; 1.04]	4401	1.00
ϕ_β	171.14	[18.22; 118130.21]	1444	1.00

Skaftárdalur, Iceland – PLM



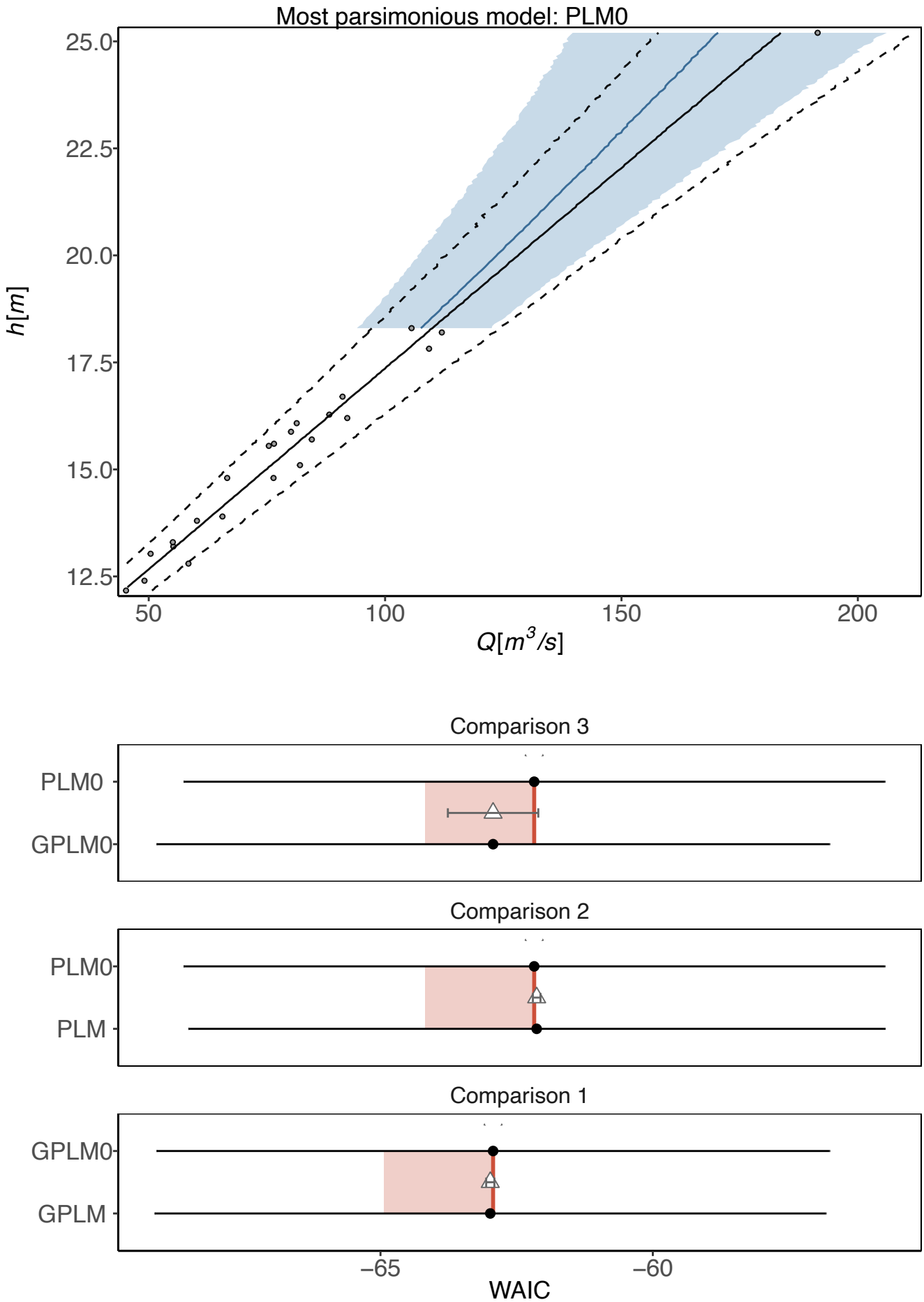
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.53	[3.91; 21.67]	2670	1.00
b	1.00	[0.75; 1.32]	2723	1.00
c	7.95	[5.66; 9.67]	2541	1.00
σ_η	0.08	[0.00; 0.42]	1597	1.00
η_1	–5.73	[–6.36; –4.99]	2354	1.00
η_2	–5.73	[–7.63; –3.86]	2935	1.00
η_3	–5.79	[–8.43; –3.12]	2802	1.00
η_4	–5.82	[–9.06; –2.52]	3027	1.00
η_5	–5.82	[–9.68; –2.08]	2846	1.00
η_6	–5.84	[–10.05; –1.58]	2835	1.00

Skaftárdalur, Iceland – PLM0



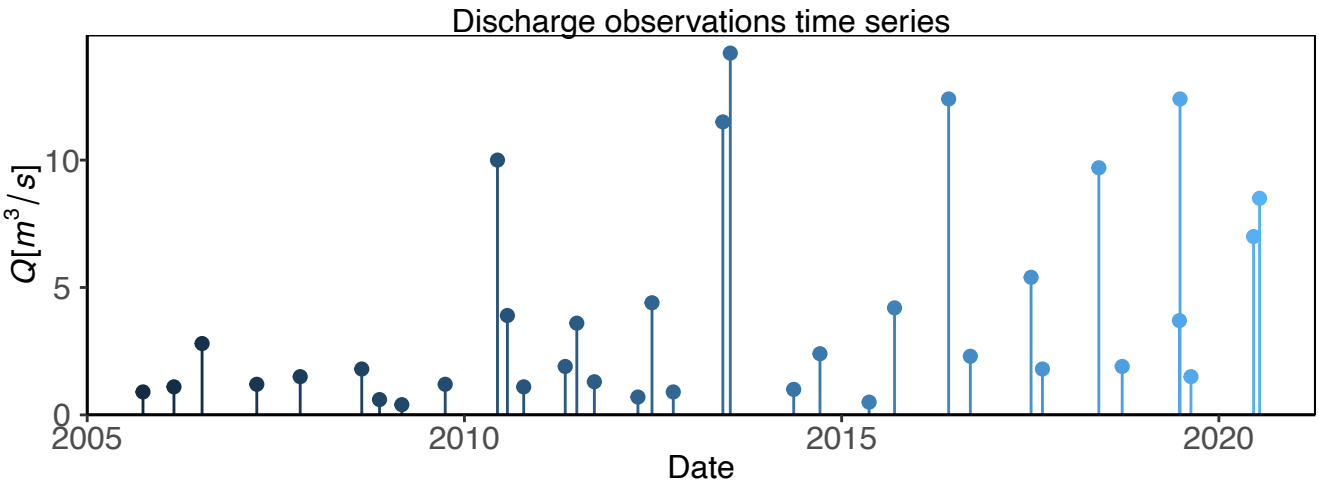
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.55	[4.11; 21.57]	8933	1.00
b	1.00	[0.75; 1.30]	9039	1.00
c	7.96	[5.74; 9.68]	8390	1.00
σ_ε	0.06	[0.04; 0.08]	9382	1.00

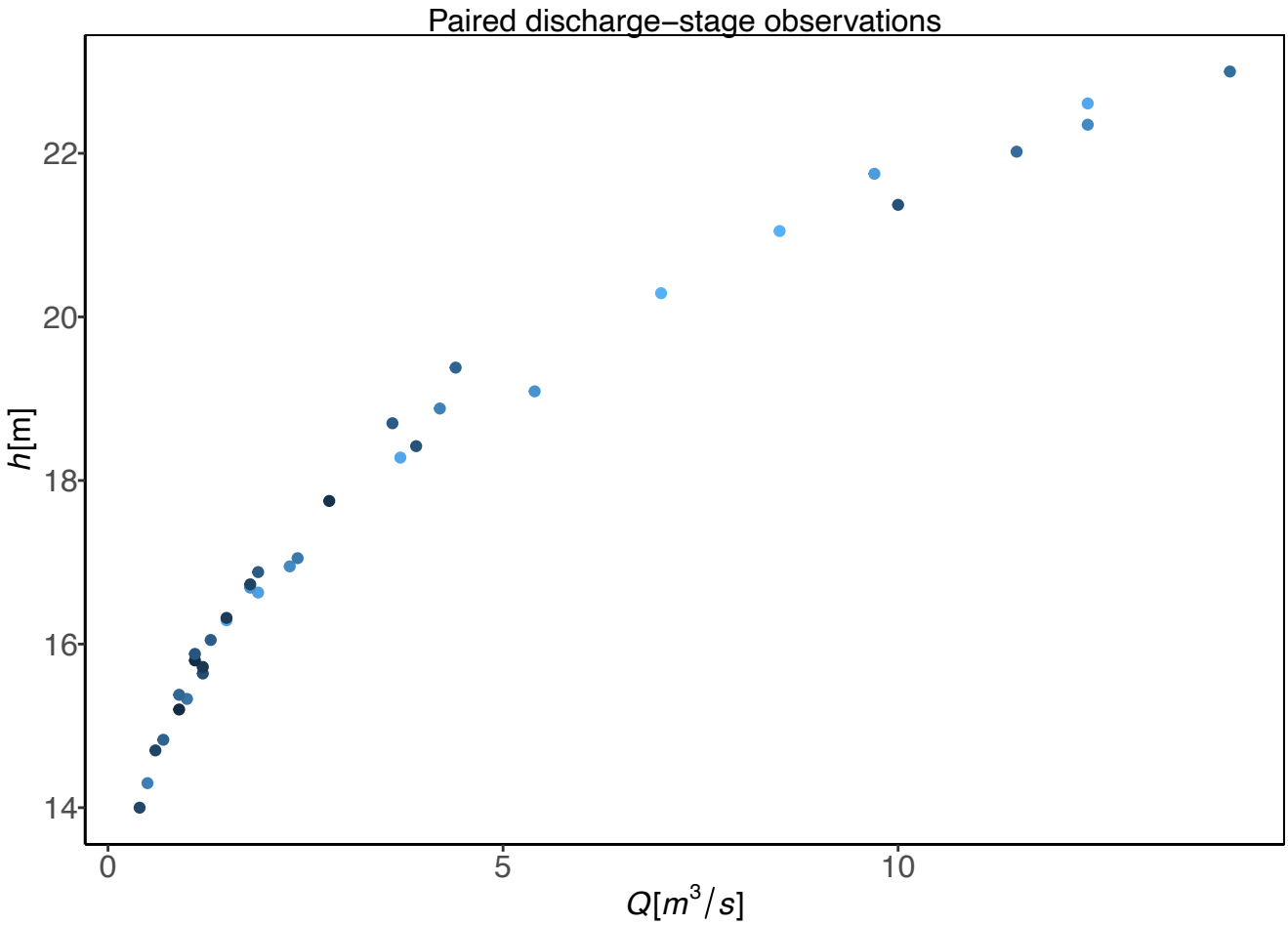
Power−law tournament results for Skaftárdalur, Iceland



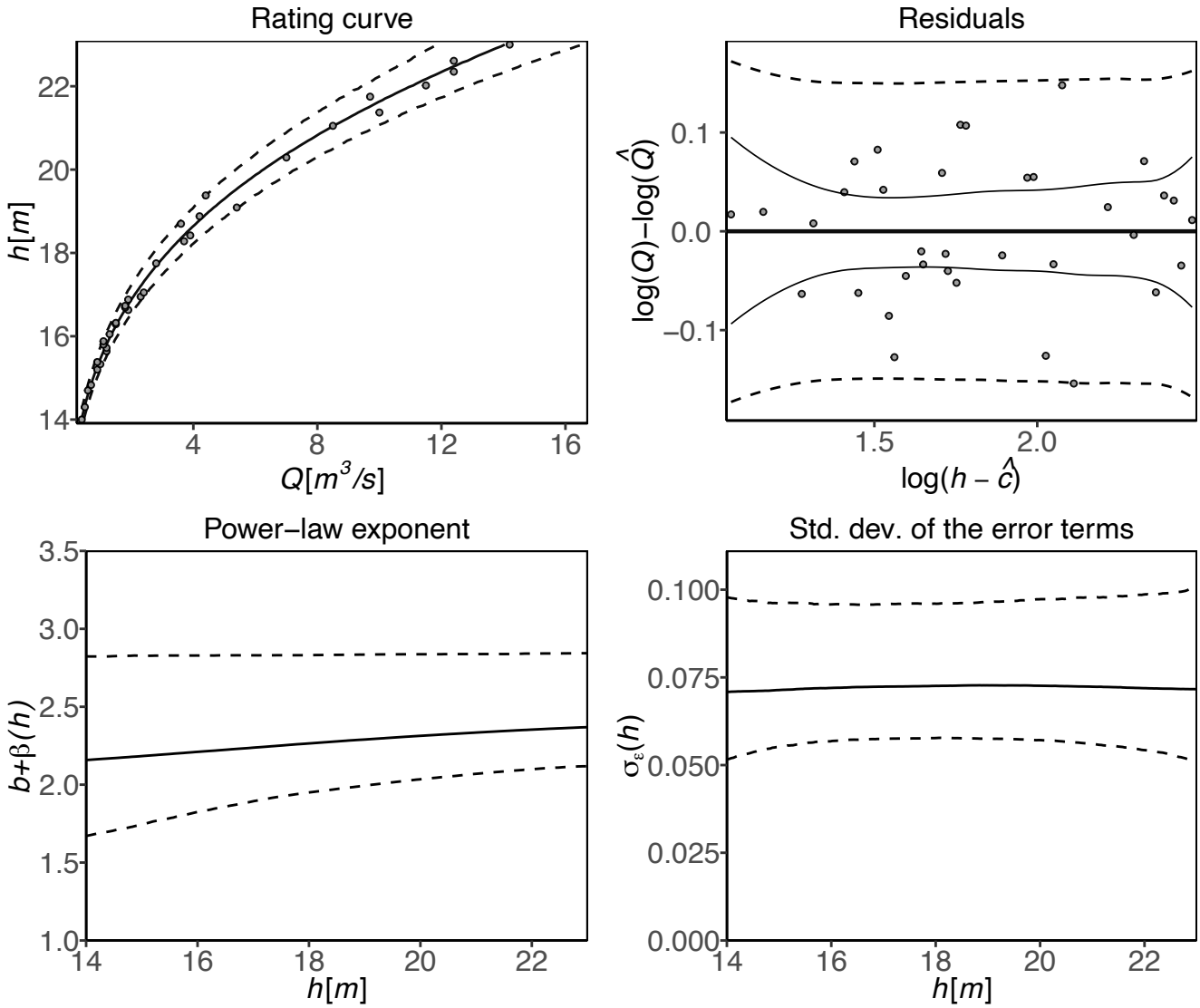
Station name:	Syðri–Bægisá
Location:	Iceland
Station number:	V92
Number of observations:	35
Start date:	2005–09–28
End date:	2020–07–16
Max. discharge (m^3/s):	14.2
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.16	0.40
GPLM0	0.00	0.44
PLM	3.34	0.08
PLM0	3.49	0.08



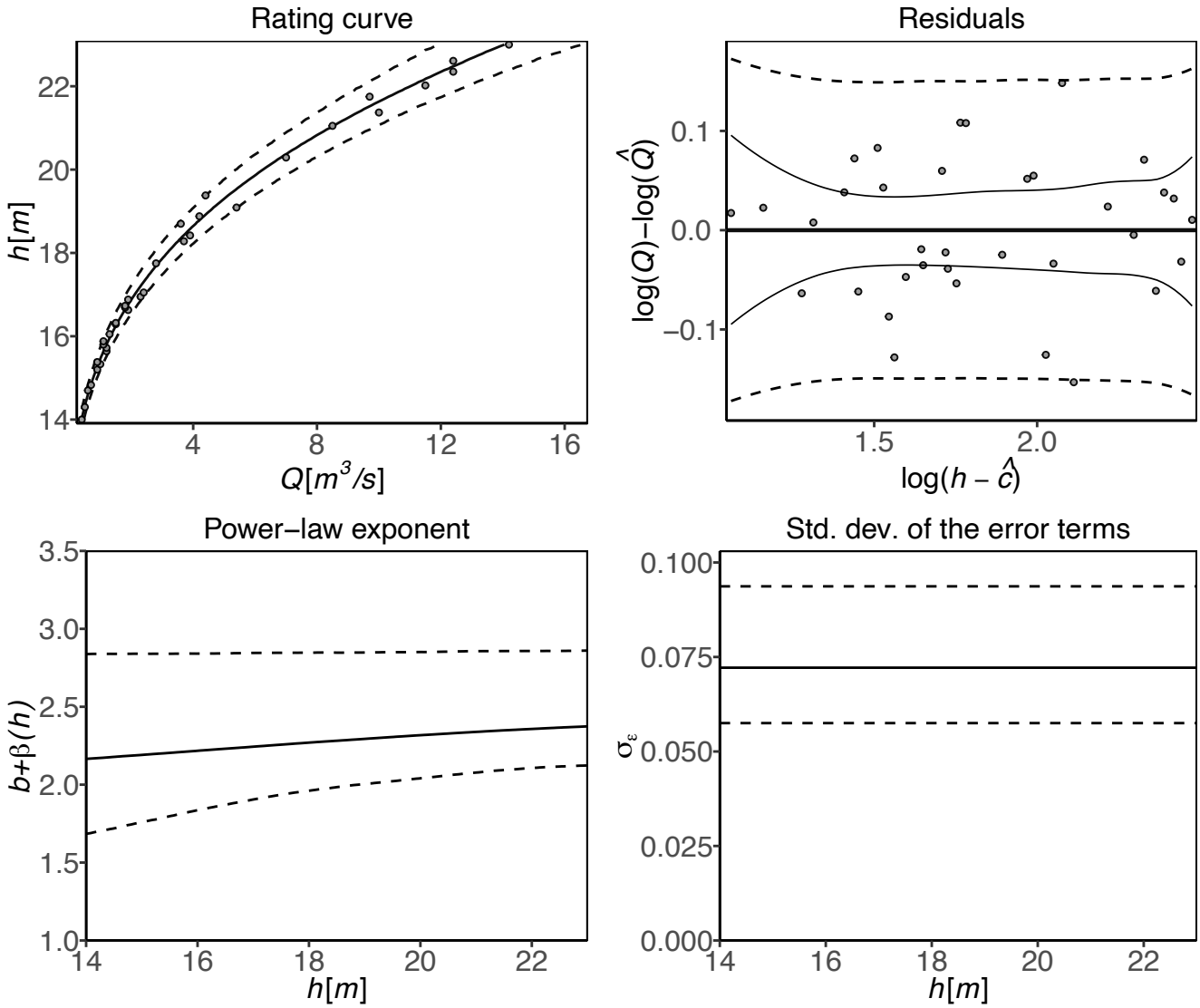


Syðri–Bægisá, Iceland – GPLM



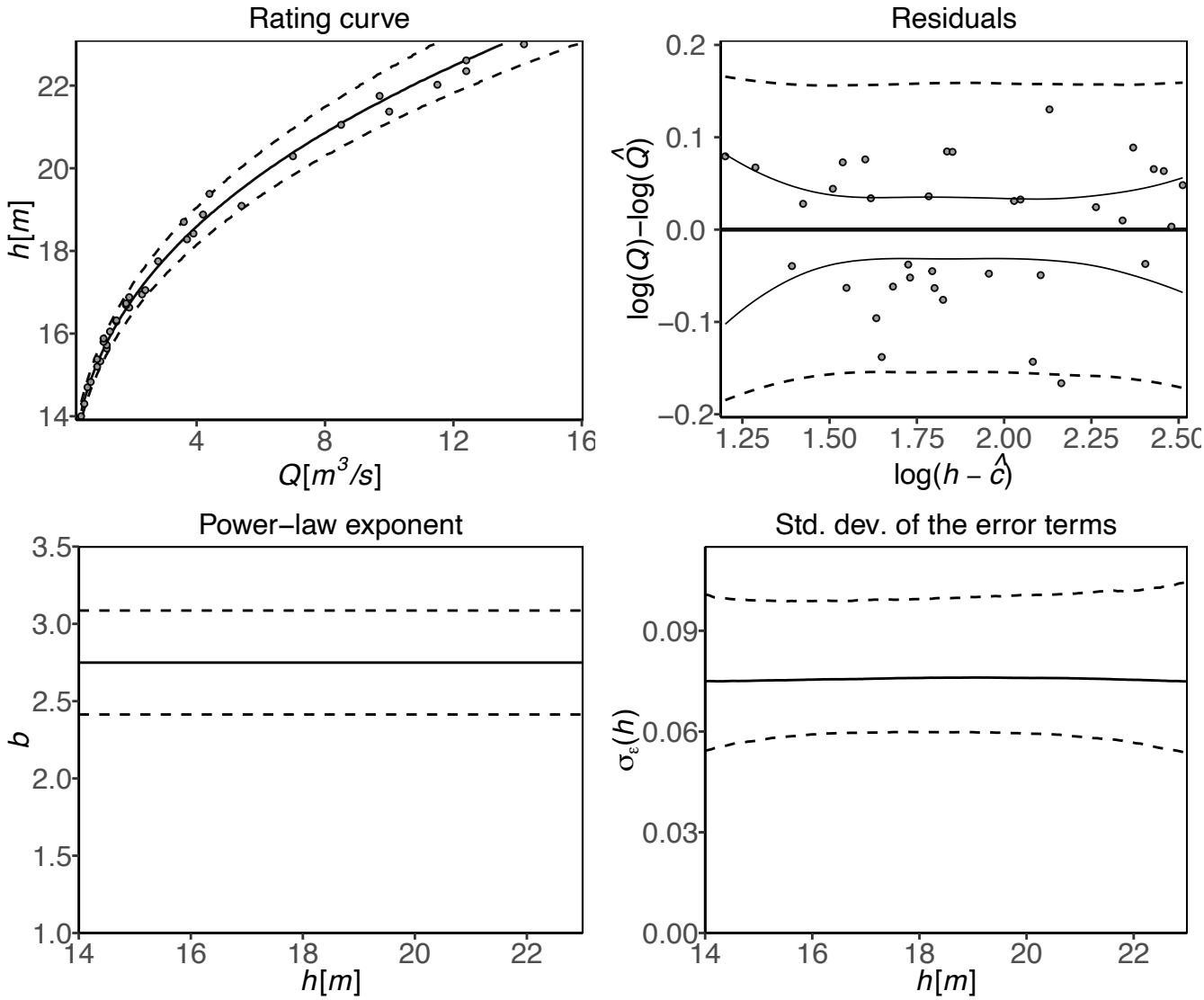
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.04	[0.01; 0.07]	1770	1.01
b	1.84	[1.83; 1.84]	10353	1.00
c	11.11	[10.23; 11.32]	1308	1.01
σ_β	0.38	[0.17; 0.92]	2068	1.00
ϕ_β	22.67	[5.88; 390.25]	1113	1.02
σ_η	0.08	[0.00; 0.46]	1526	1.00
η_1	–5.29	[–5.93; –4.65]	1609	1.01
η_2	–5.16	[–7.04; –3.29]	2152	1.00
η_3	–5.00	[–7.69; –2.51]	2256	1.00
η_4	–4.95	[–8.24; –1.89]	2162	1.00
η_5	–5.12	[–8.87; –1.51]	2223	1.00
η_6	–5.22	[–9.45; –1.13]	2204	1.00

Syðri–Bægisá, Iceland – GPLM0



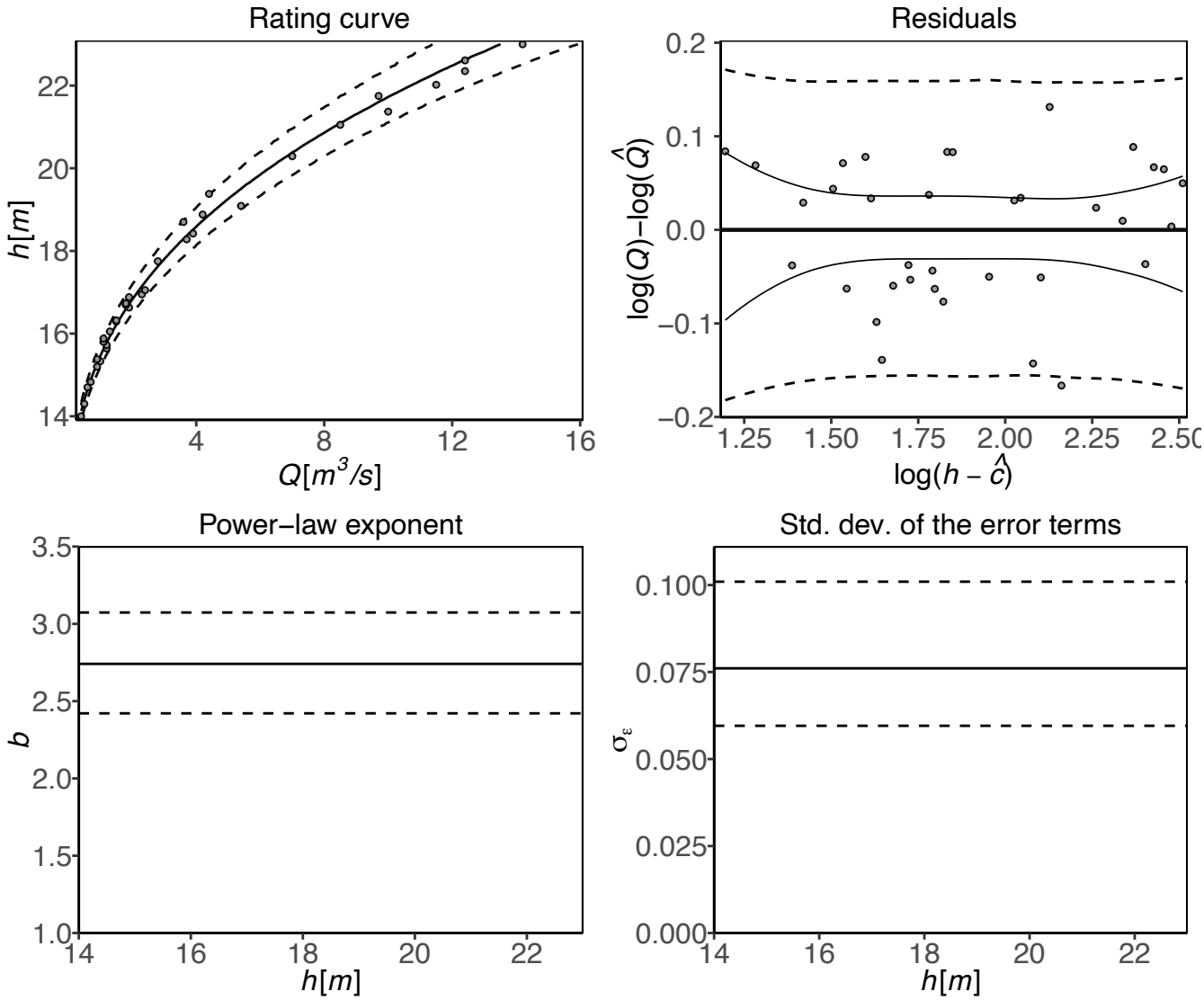
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.04	[0.01; 0.07]	3296	1.00
b	1.84	[1.83; 1.84]	12334	1.00
c	11.11	[10.24; 11.32]	2947	1.00
σ_ε	0.07	[0.06; 0.09]	4954	1.00
σ_β	0.63	[0.42; 0.96]	4961	1.00
ϕ_β	22.96	[6.28; 369.51]	1460	1.01

Syðri–Bægisá, Iceland – PLM



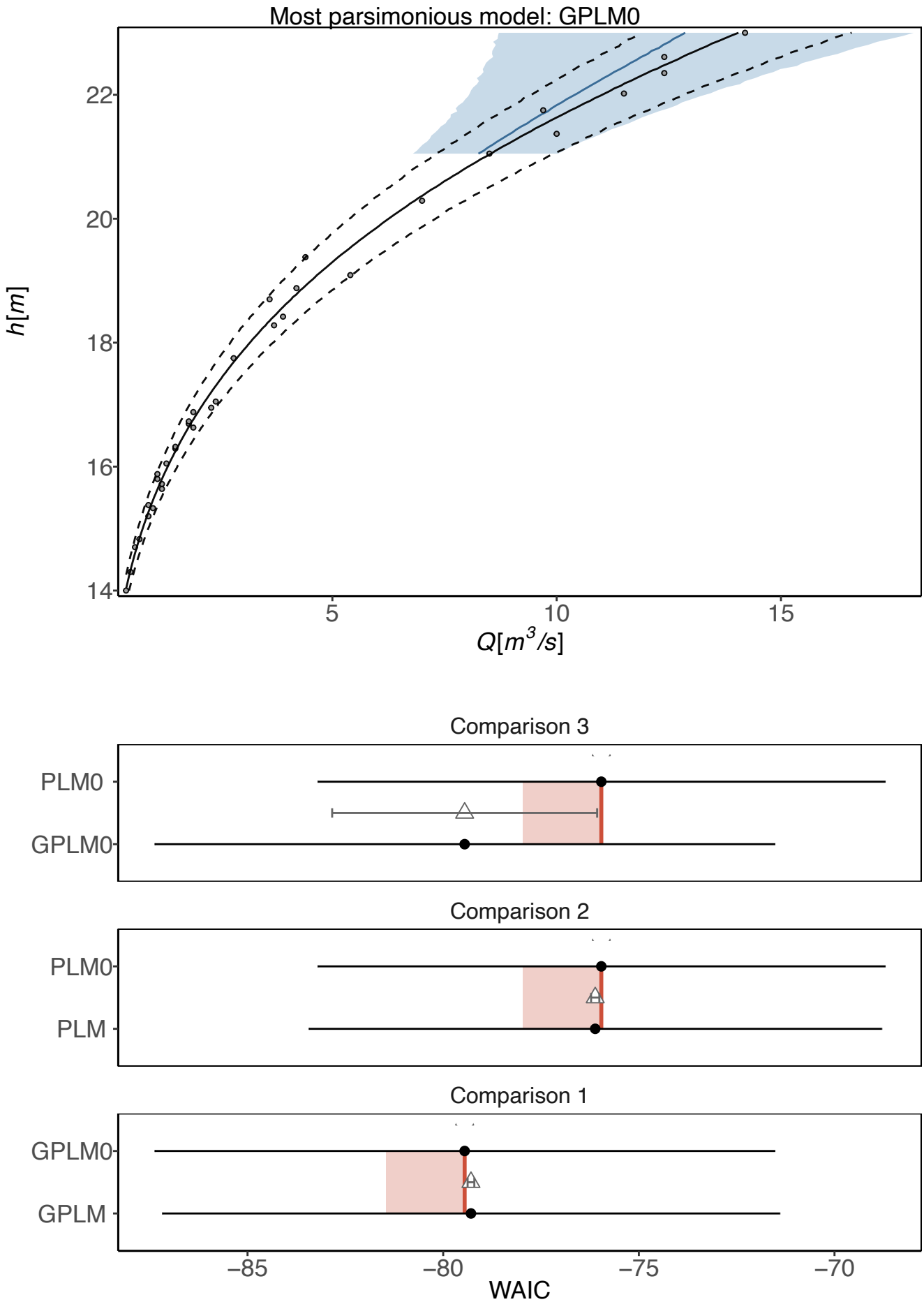
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.01	[0.01; 0.03]	2505	1.00
b	2.75	[2.41; 3.09]	2535	1.00
c	10.68	[9.89; 11.43]	2426	1.00
σ_η	0.08	[0.00; 0.41]	1631	1.00
η_1	–5.18	[–5.83; –4.59]	2351	1.00
η_2	–5.13	[–6.93; –3.28]	2839	1.00
η_3	–5.02	[–7.56; –2.55]	2783	1.00
η_4	–4.96	[–8.13; –1.88]	2665	1.00
η_5	–5.06	[–8.67; –1.41]	2597	1.00
η_6	–5.20	[–9.21; –1.06]	3004	1.00

Syðri–Bægisá, Iceland – PLM0



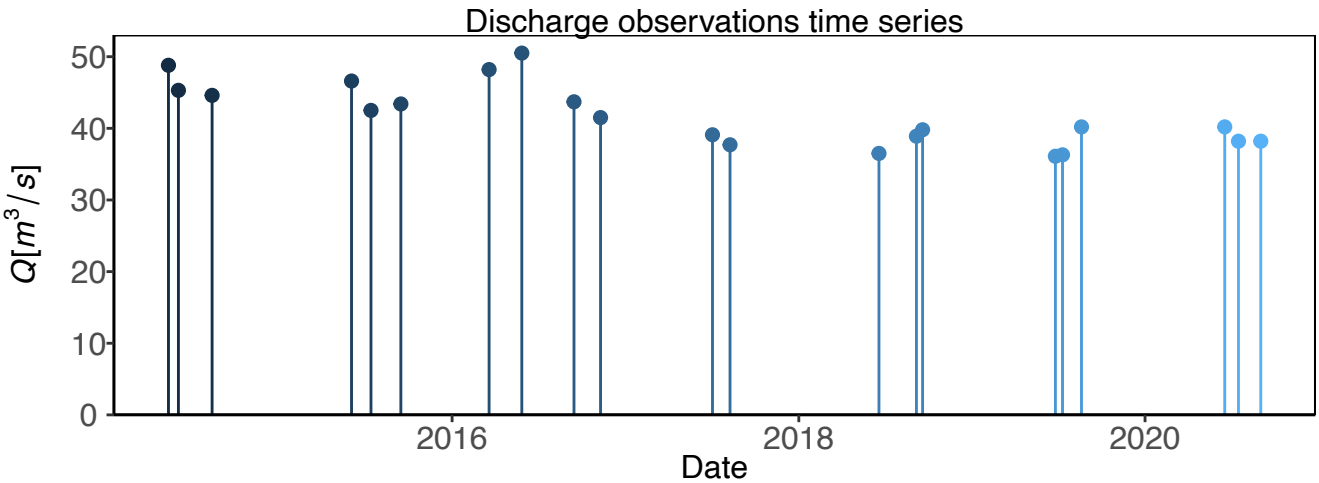
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	0.01	[0.01; 0.03]	9502	1.00
b	2.74	[2.42; 3.07]	9568	1.00
c	10.70	[9.93; 11.42]	9119	1.00
σ_ε	0.08	[0.06; 0.10]	8864	1.00

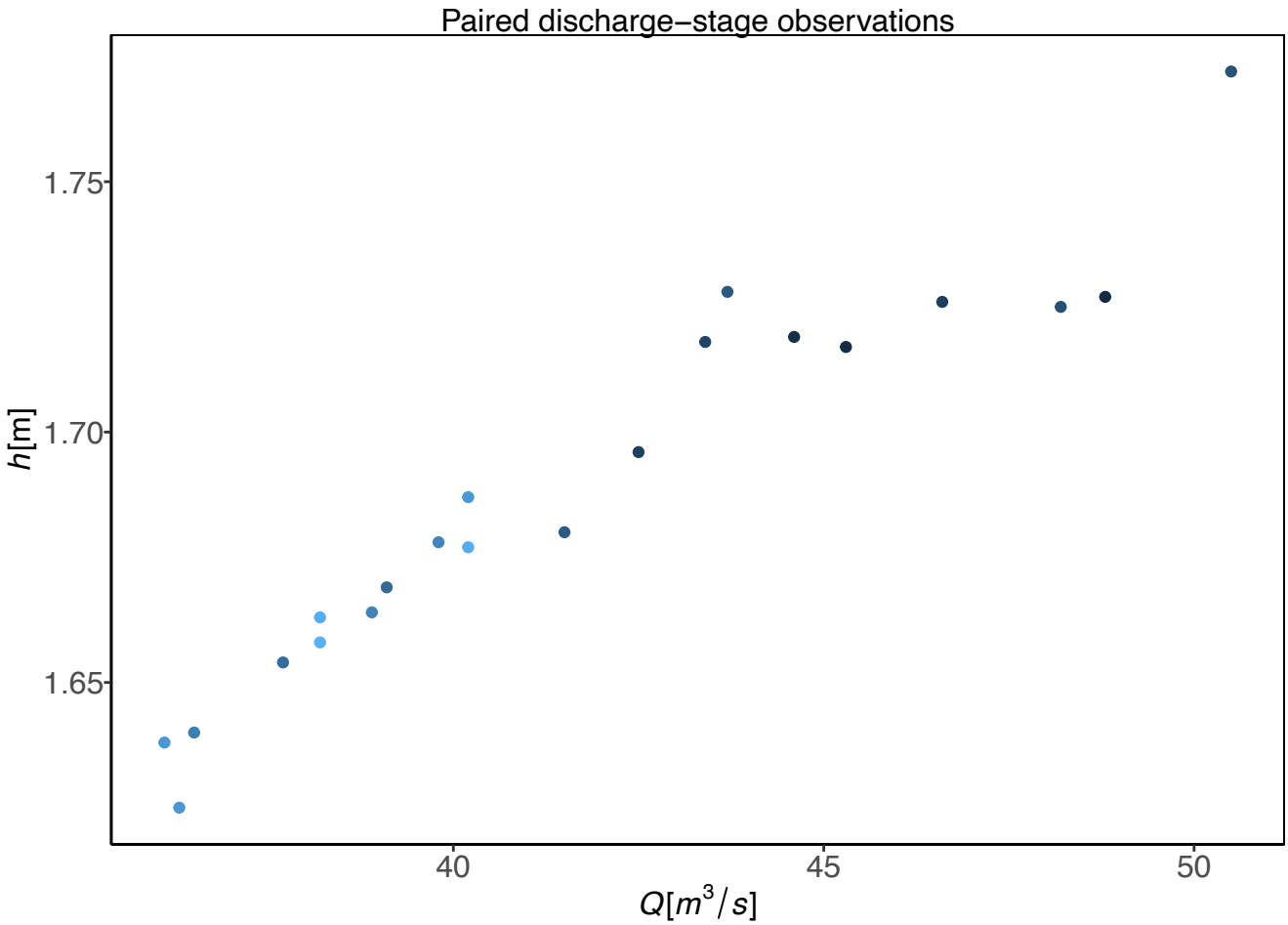
Power−law tournament results for Syðri−Bægisá, Iceland



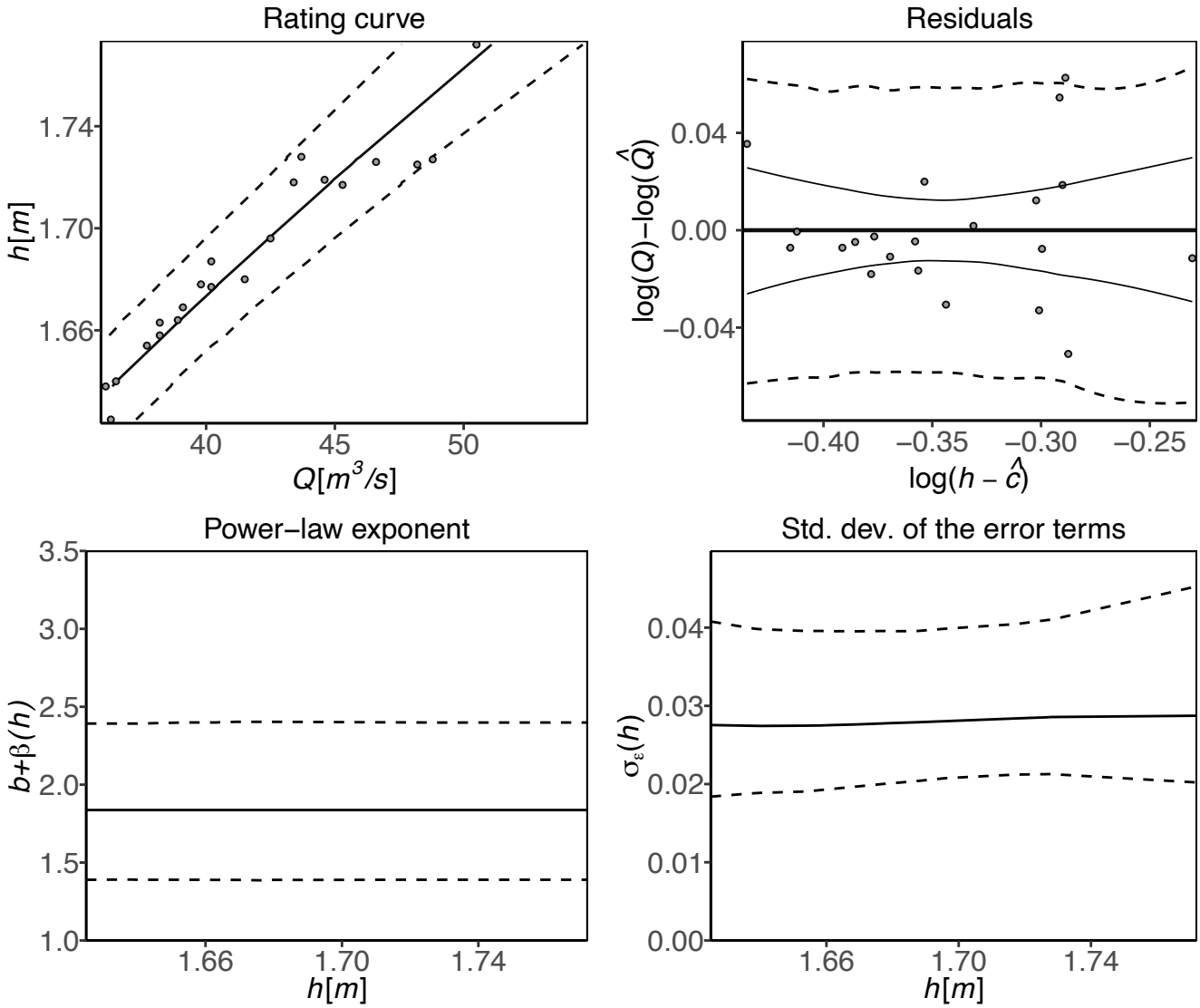
Station name:	Helluvað
Location:	Iceland
Station number:	V105
Number of observations:	21
Start date:	2014–05–13
End date:	2020–09–01
Max. discharge (m^3/s):	50.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.28
GPLM0	0.45	0.22
PLM	0.01	0.28
PLM0	0.50	0.22



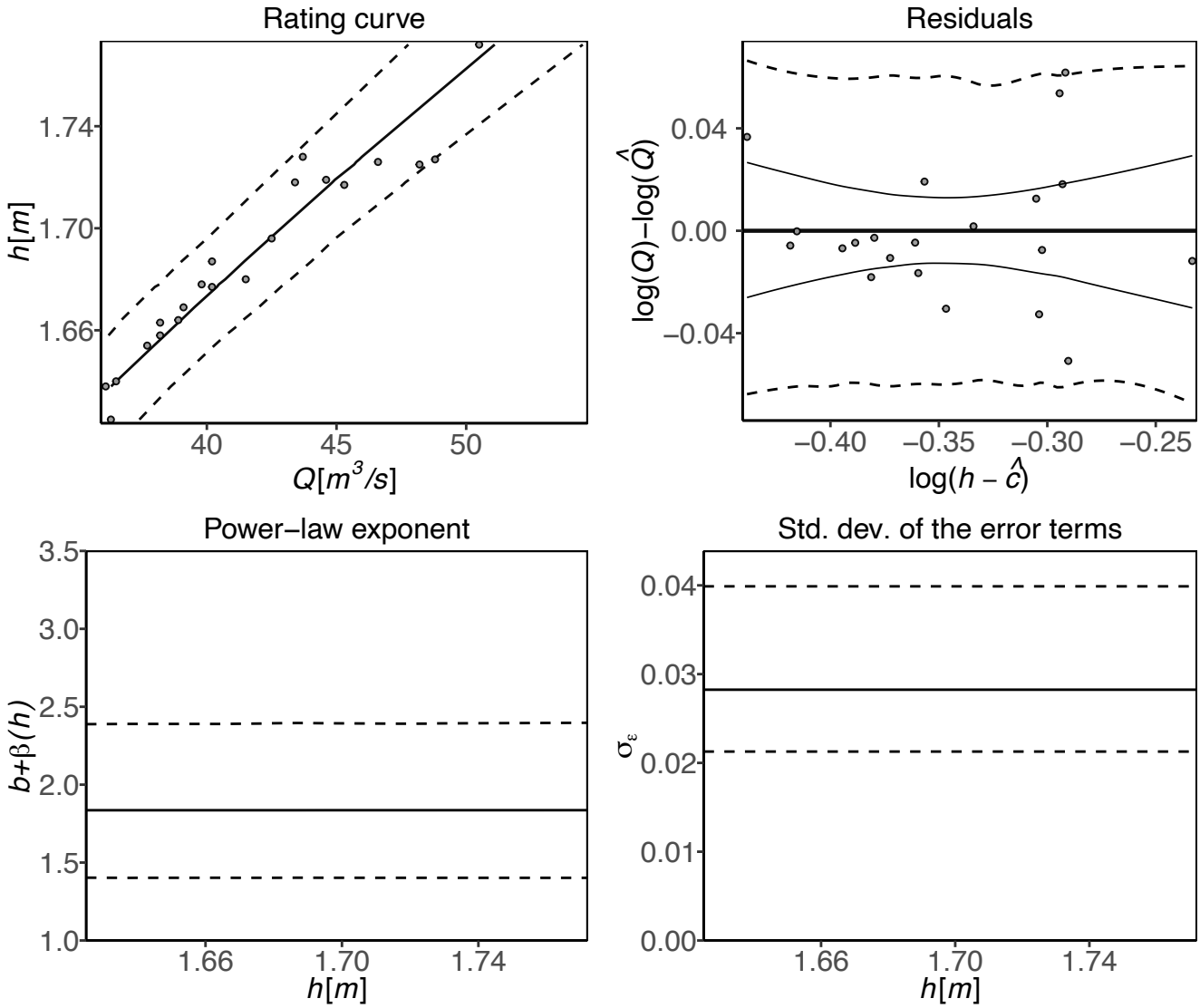


Helluvað, Iceland – GPLM



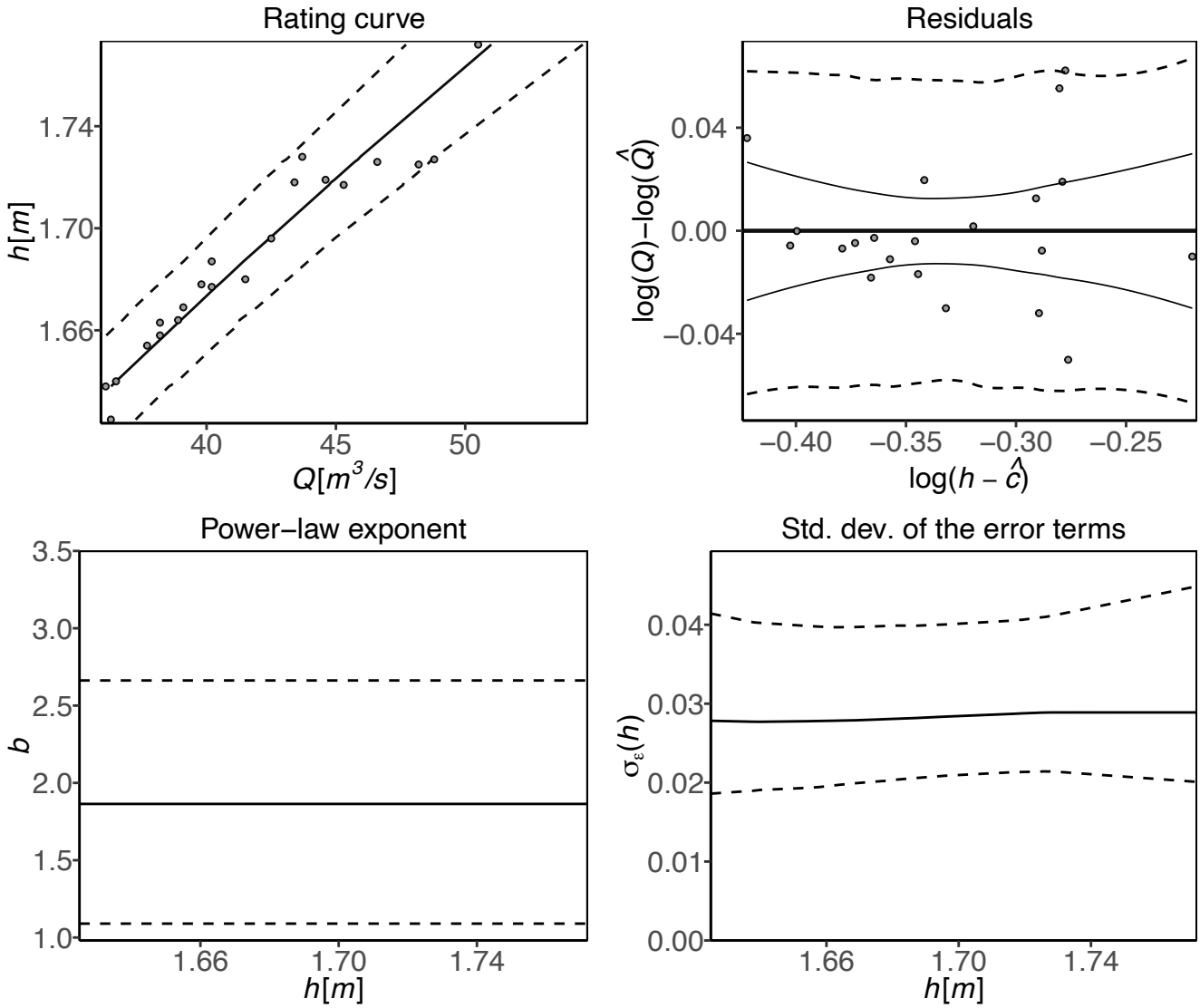
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	78.04	[46.46; 106.51]	1188	1.00
b	1.83	[1.83; 1.84]	10015	1.00
c	0.98	[0.74; 1.16]	1070	1.00
σ_β	0.12	[0.00; 0.67]	1377	1.01
ϕ_β	16.56	[0.61; 11267.71]	1565	1.00
σ_η	0.09	[0.00; 0.54]	1604	1.00
η_1	−7.18	[−7.99; −6.40]	1812	1.00
η_2	−7.21	[−9.10; −5.31]	2128	1.00
η_3	−7.09	[−9.71; −4.56]	2150	1.00
η_4	−6.73	[−10.07; −3.71]	2357	1.00
η_5	−6.59	[−10.44; −3.13]	2355	1.00
η_6	−6.68	[−10.98; −2.60]	2374	1.00

Helluvað, Iceland – GPLM0



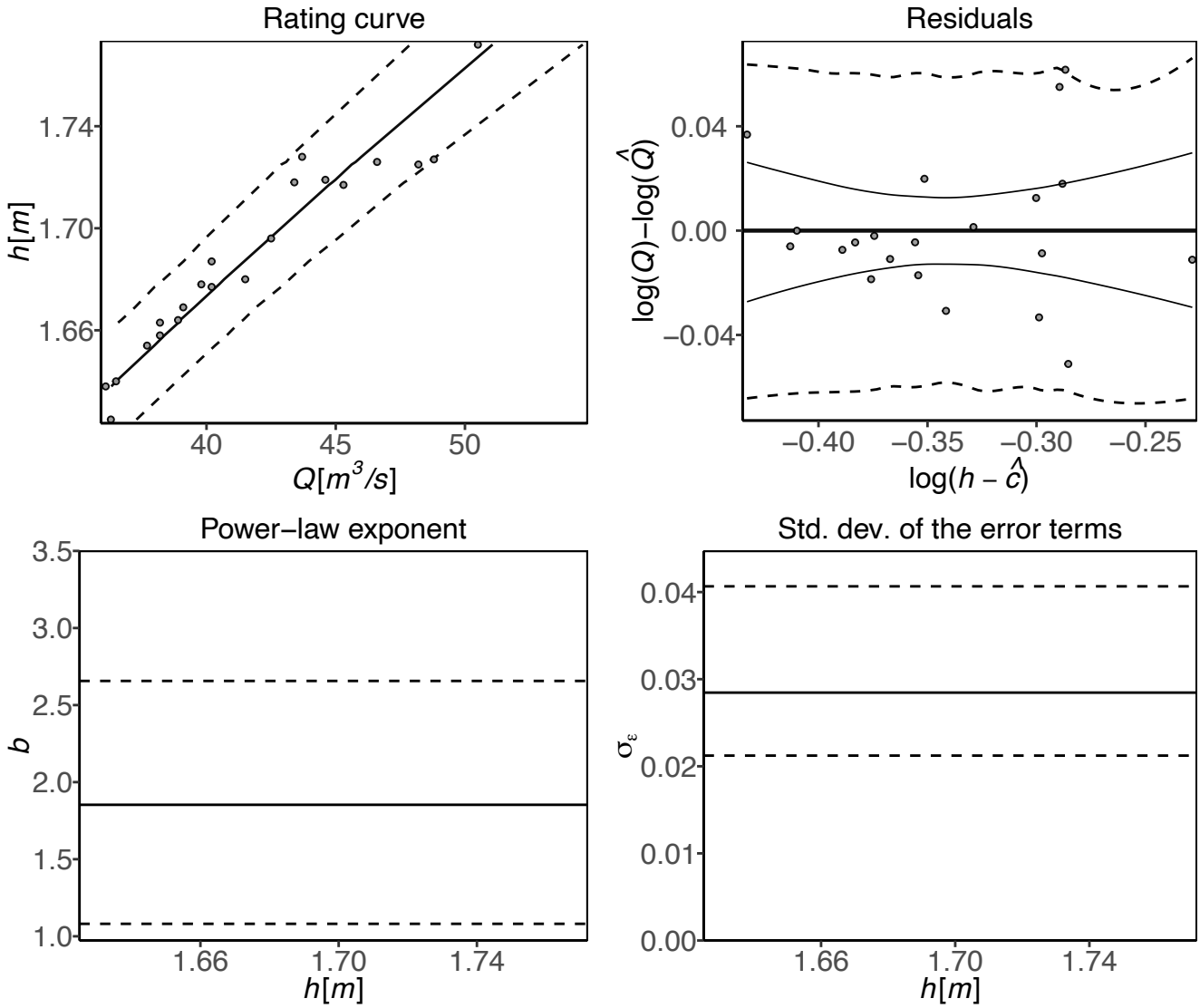
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	78.26	[45.53; 105.93]	1276	1.01
b	1.83	[1.83; 1.84]	13906	1.00
c	0.98	[0.73; 1.16]	1322	1.01
σ_ε	0.03	[0.02; 0.04]	5107	1.00
σ_β	0.36	[0.07; 0.80]	2804	1.00
ϕ_β	16.69	[0.57; 9833.36]	3235	1.00

Helluvað, Iceland – PLM



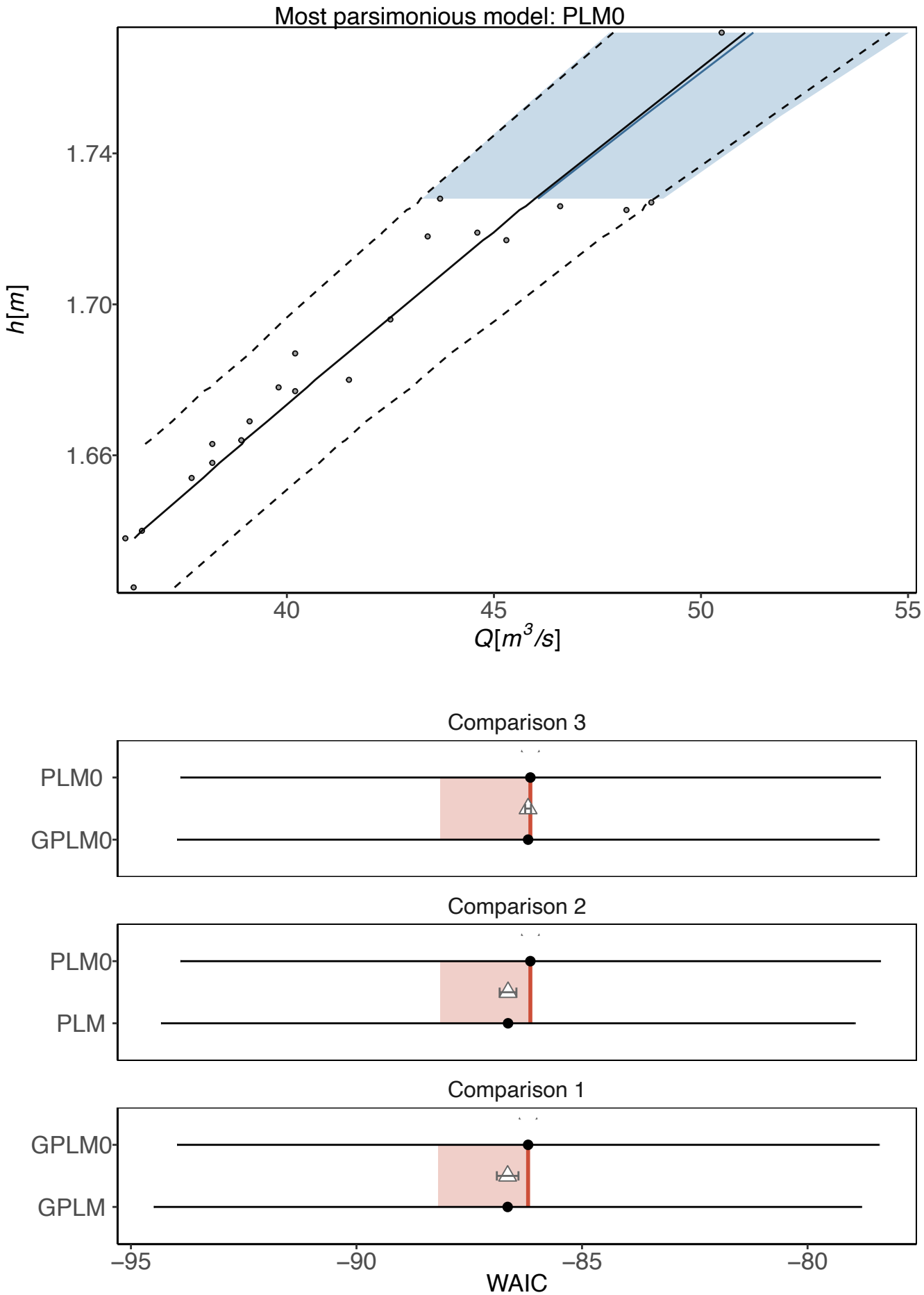
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	76.79	[35.96; 112.10]	2710	1.00
b	1.86	[1.09; 2.66]	2569	1.00
c	0.97	[0.63; 1.27]	2200	1.00
σ_η	0.09	[0.00; 0.50]	1536	1.00
η_1	–7.16	[–7.97; –6.37]	2406	1.00
η_2	–7.24	[–9.15; –5.38]	2894	1.00
η_3	–7.10	[–9.56; –4.60]	2755	1.00
η_4	–6.76	[–9.94; –3.80]	3059	1.00
η_5	–6.65	[–10.31; –3.12]	2606	1.00
η_6	–6.78	[–10.94; –2.67]	2762	1.00

Helluvað, Iceland – PLM0



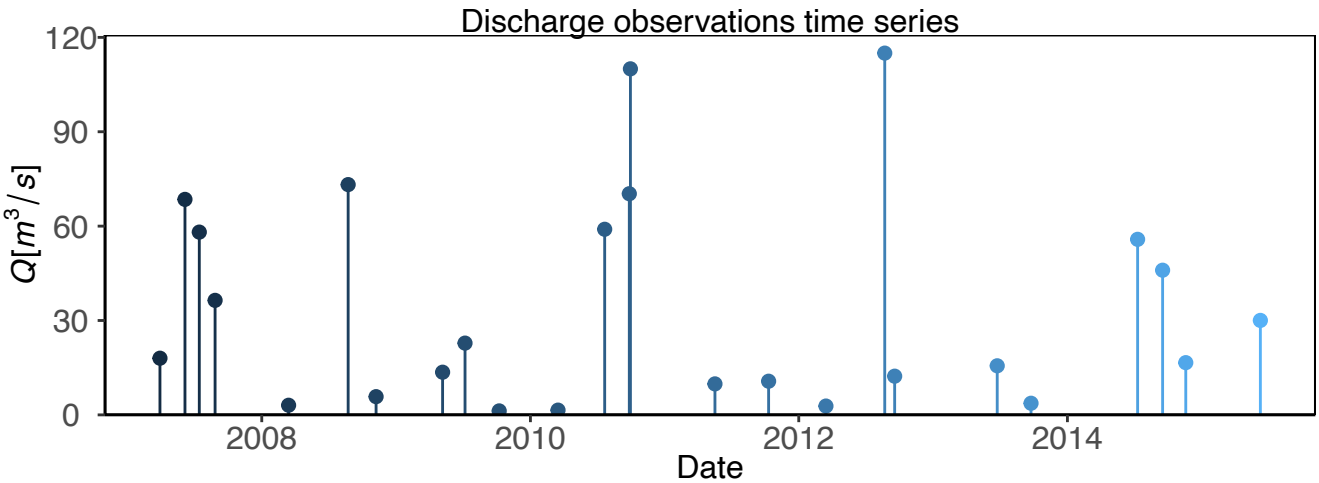
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	78.06	[36.73; 112.78]	9521	1.00
b	1.85	[1.08; 2.66]	9175	1.00
c	0.98	[0.64; 1.28]	8448	1.00
σ_ε	0.03	[0.02; 0.04]	9441	1.00

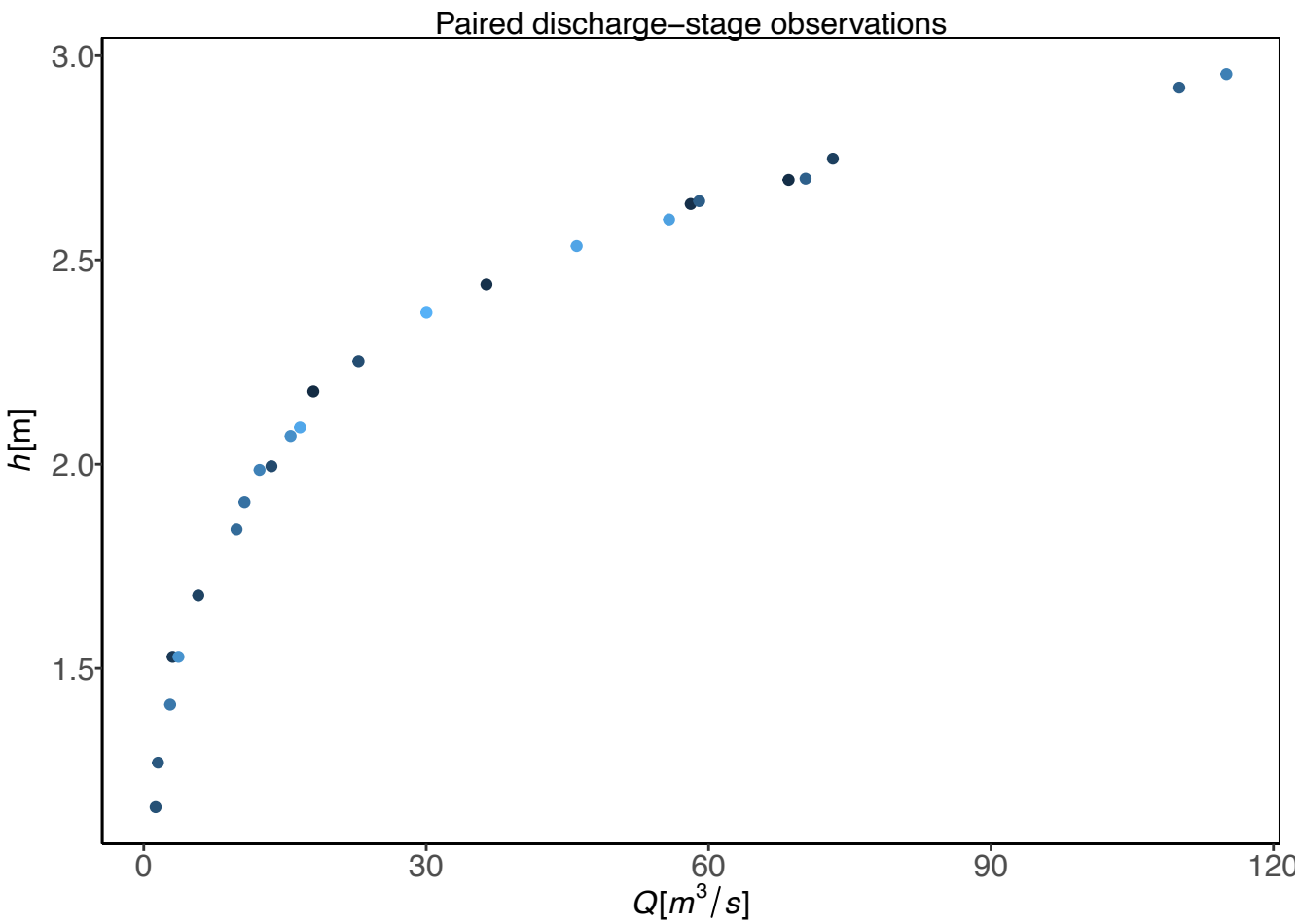
Power−law tournament results for Helluvað, Iceland



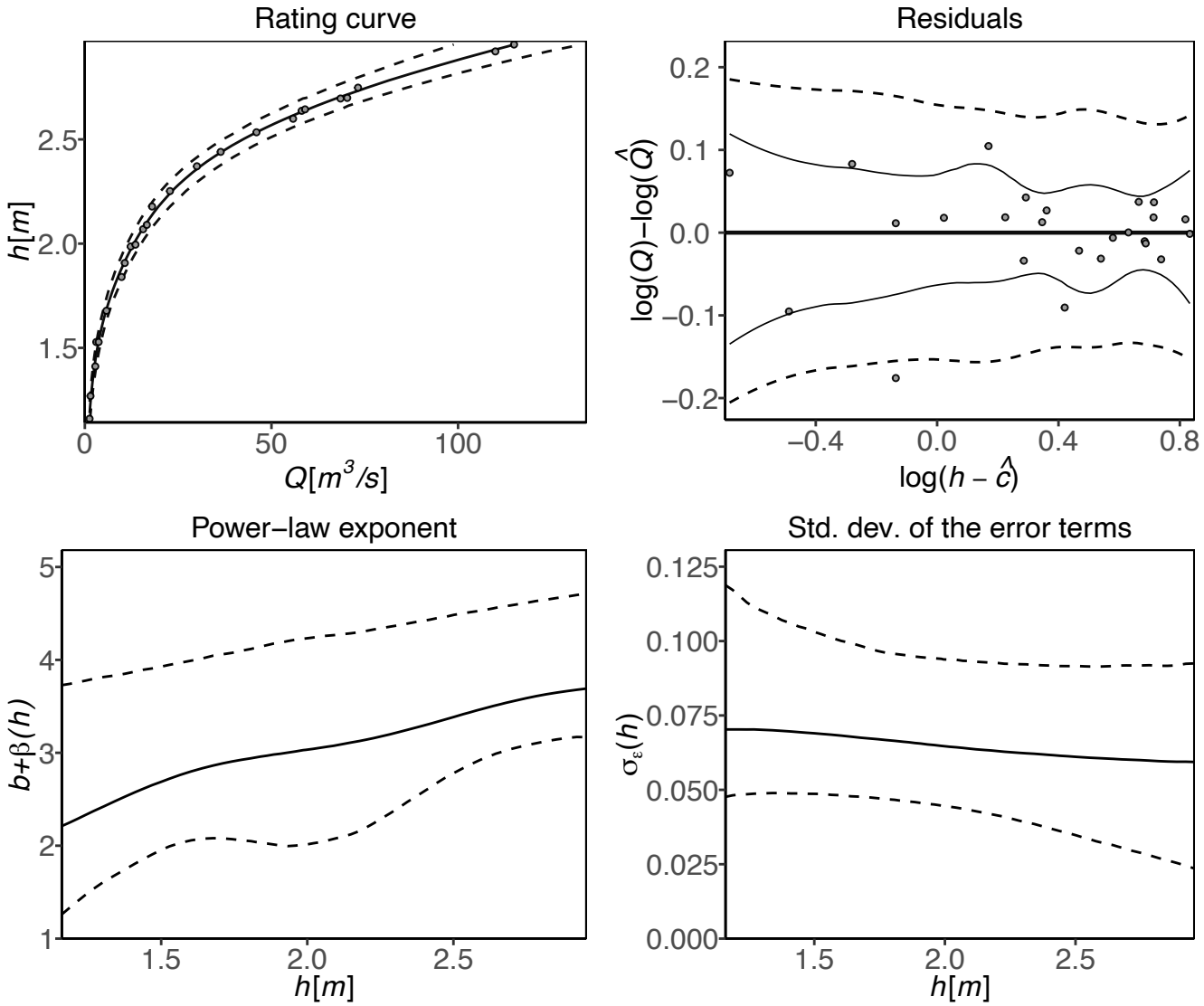
Station name:	Hóll
Location:	Iceland
Station number:	V109
Number of observations:	25
Start date:	2007–03–30
End date:	2015–06–10
Max. discharge (m^3/s):	115
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.81
GPLM0	2.88	0.19
PLM	47.66	0.00
PLM0	47.52	0.00



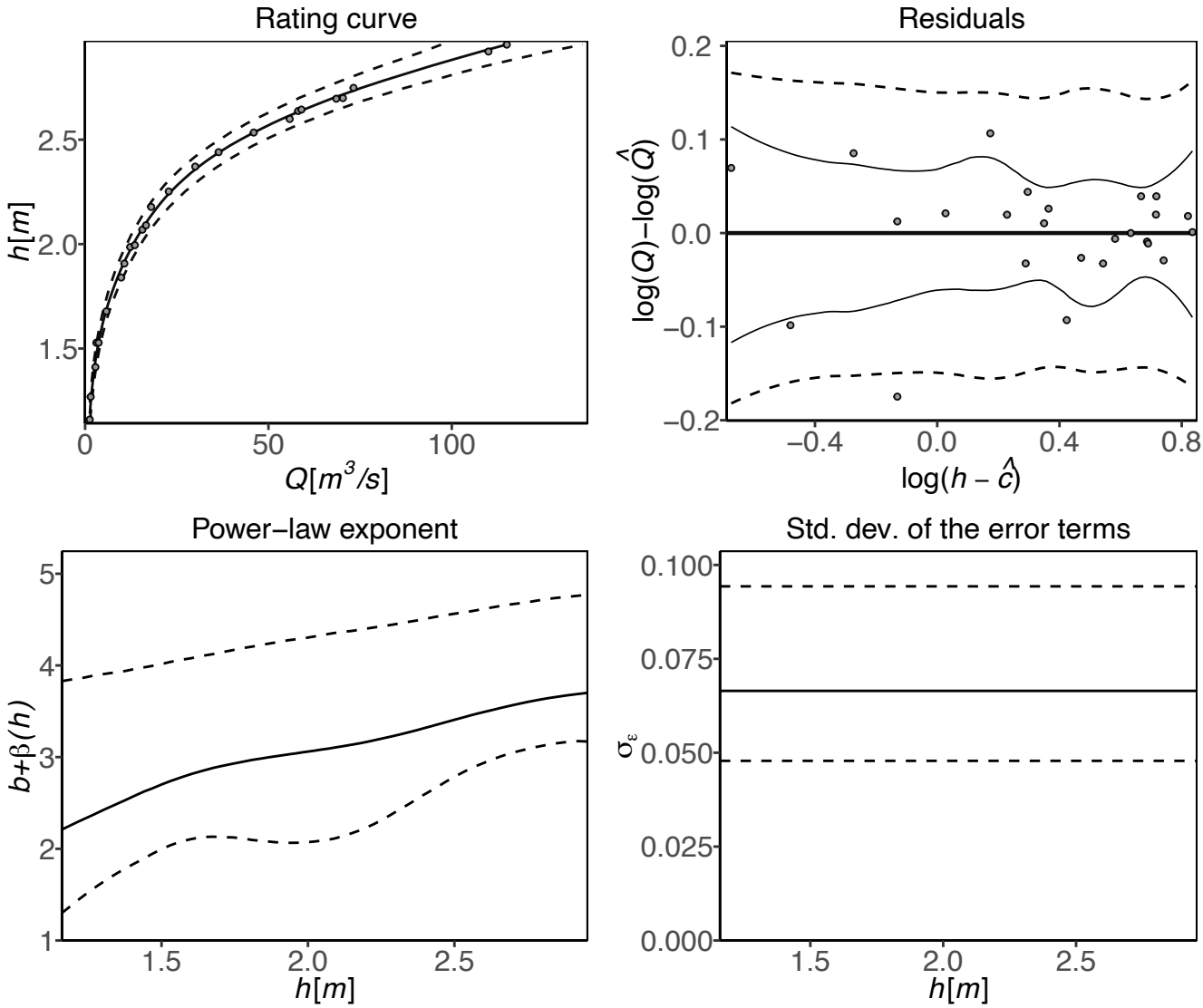


Hóll, Iceland – GPLM



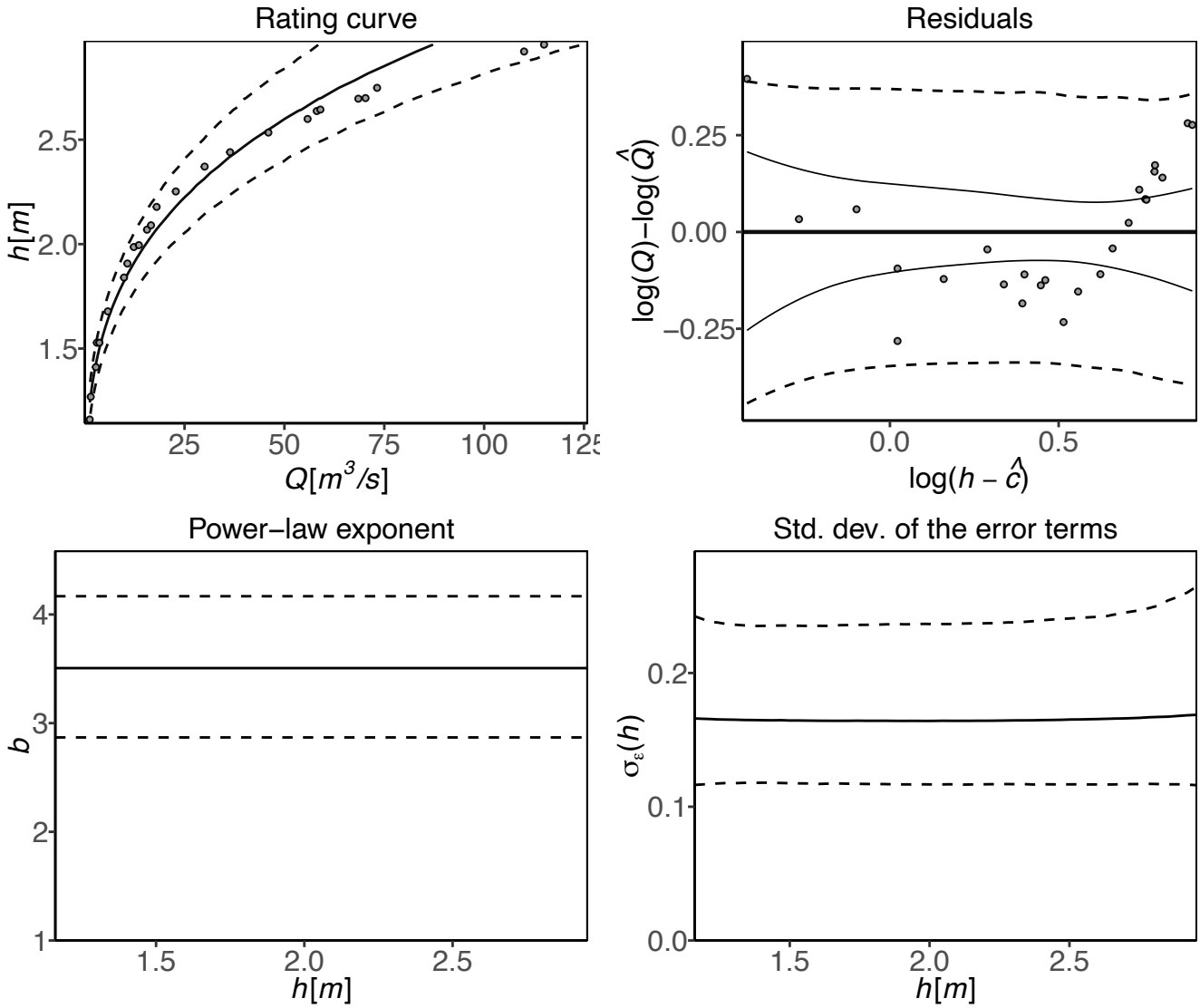
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.34	[0.66; 13.81]	2190	1.00
b	1.84	[1.83; 1.84]	9754	1.00
c	0.66	[−0.02; 1.01]	1796	1.00
σ_β	0.88	[0.52; 1.60]	2119	1.00
ϕ_β	1.38	[0.46; 5.71]	1189	1.01
σ_η	0.13	[0.00; 0.70]	880	1.05
η_1	−5.31	[−6.09; −4.26]	2688	1.00
η_2	−5.29	[−7.28; −3.49]	1899	1.00
η_3	−5.70	[−8.21; −3.00]	1698	1.00
η_4	−6.34	[−9.24; −2.71]	1708	1.01
η_5	−6.79	[−10.17; −2.52]	1959	1.00
η_6	−6.95	[−10.90; −2.17]	2162	1.00

Hóll, Iceland – GPLM0



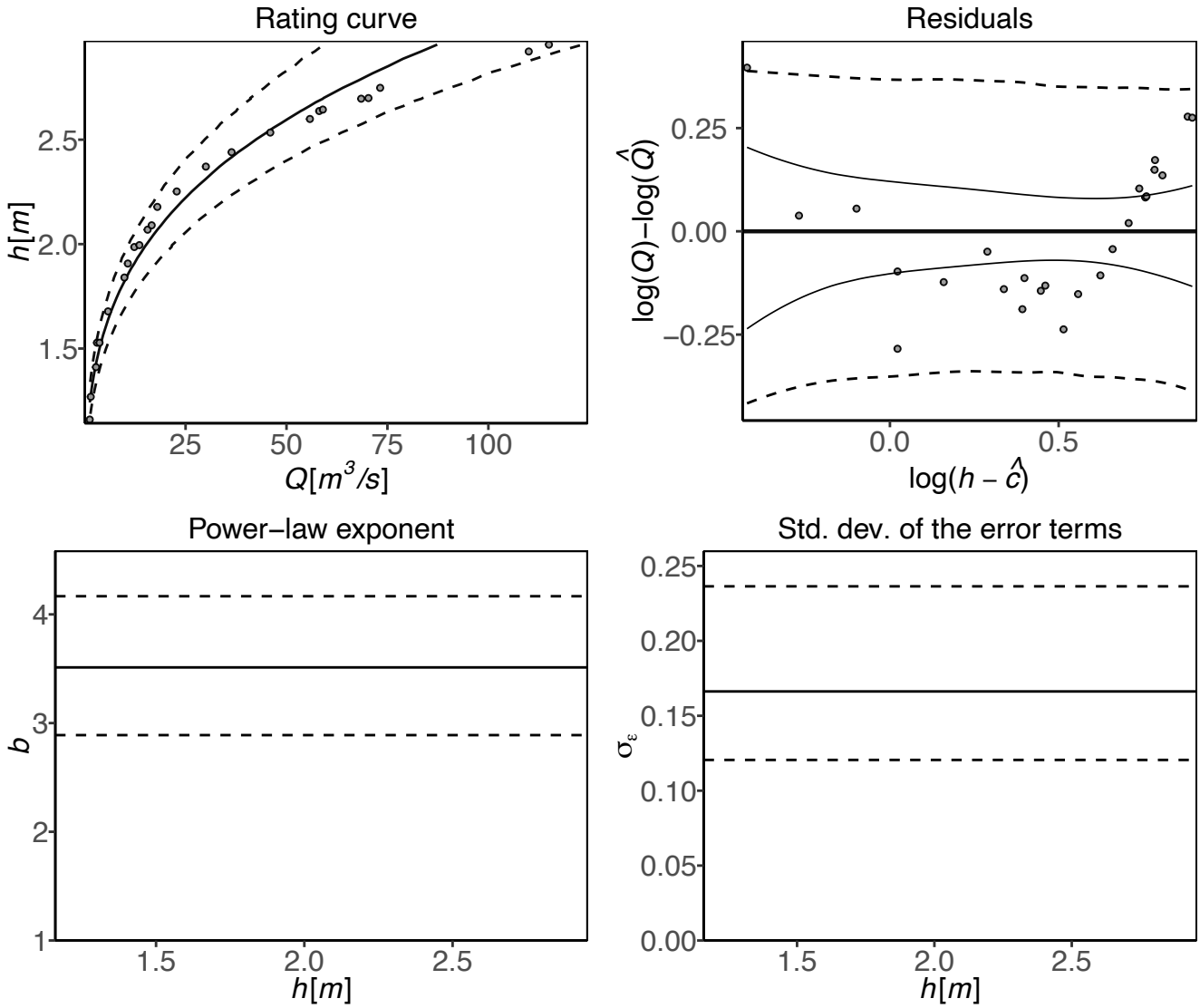
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.23	[0.57; 13.29]	3194	1.00
b	1.83	[1.83; 1.84]	15812	1.00
c	0.65	[–0.07; 1.00]	2760	1.00
σ_ε	0.07	[0.05; 0.09]	3965	1.00
σ_β	0.94	[0.72; 1.26]	5532	1.00
ϕ_β	1.40	[0.46; 6.11]	3567	1.00

Hóll, Iceland – PLM



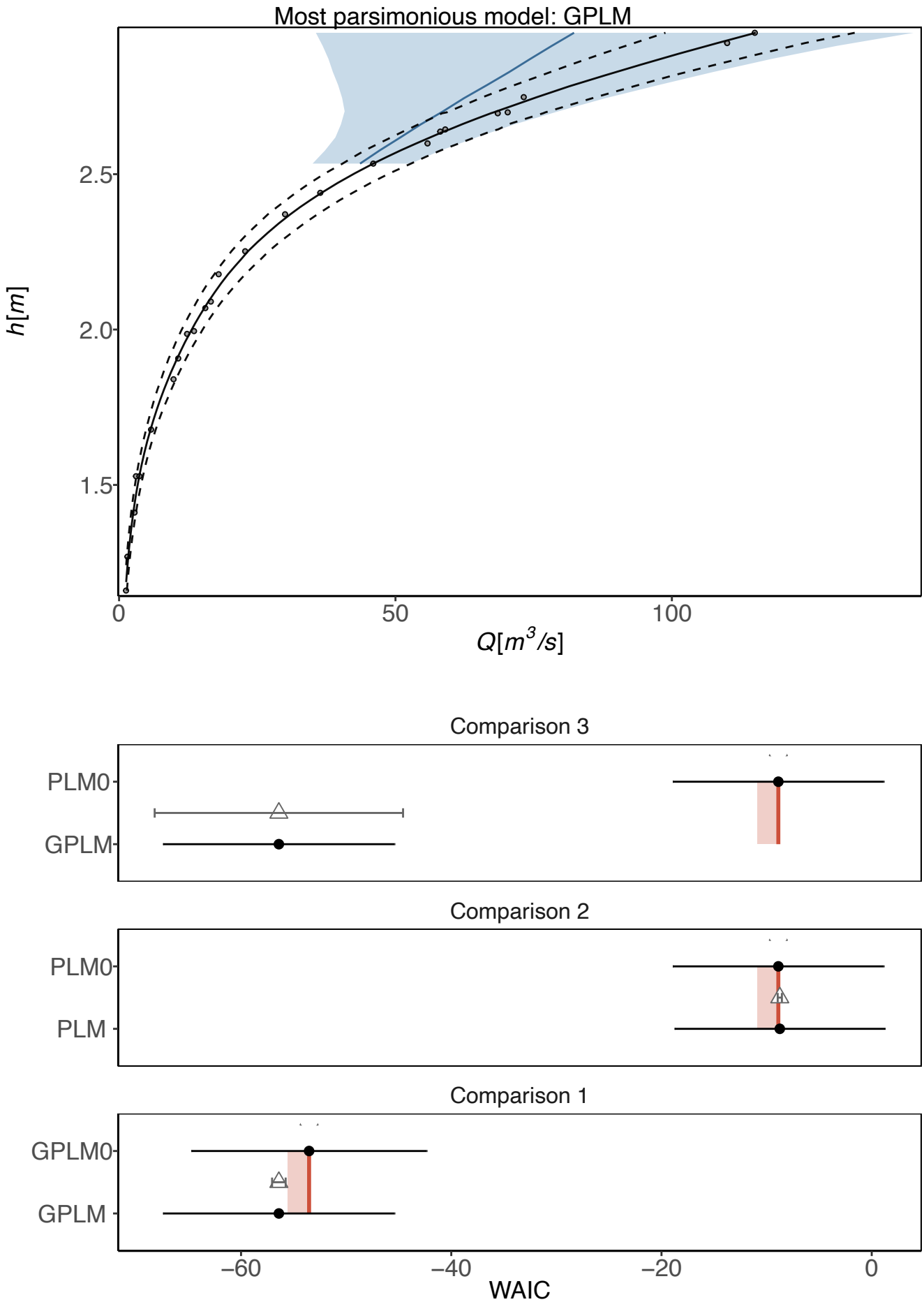
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.75	[1.51; 7.95]	2743	1.00
b	3.51	[2.87; 4.17]	2861	1.00
c	0.51	[0.27; 0.72]	2611	1.00
σ_η	0.08	[0.00; 0.44]	1684	1.00
η_1	–3.59	[–4.30; –2.83]	2482	1.00
η_2	–3.63	[–5.60; –1.74]	2690	1.00
η_3	–3.65	[–6.32; –0.96]	2972	1.00
η_4	–3.69	[–6.81; –0.42]	2917	1.00
η_5	–3.56	[–7.34; 0.19]	2694	1.00
η_6	–3.43	[–7.66; 0.84]	3015	1.00

Hóll, Iceland – PLM0



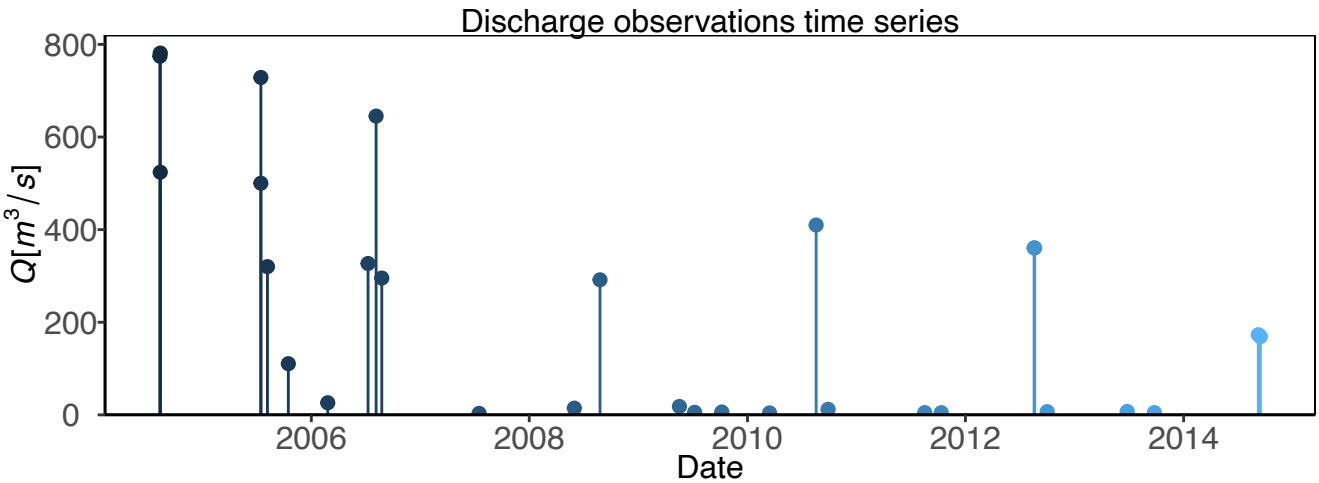
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.75	[1.53; 7.88]	8820	1.00
b	3.51	[2.89; 4.17]	8905	1.00
c	0.51	[0.27; 0.72]	8649	1.00
σ_ε	0.17	[0.12; 0.24]	9269	1.00

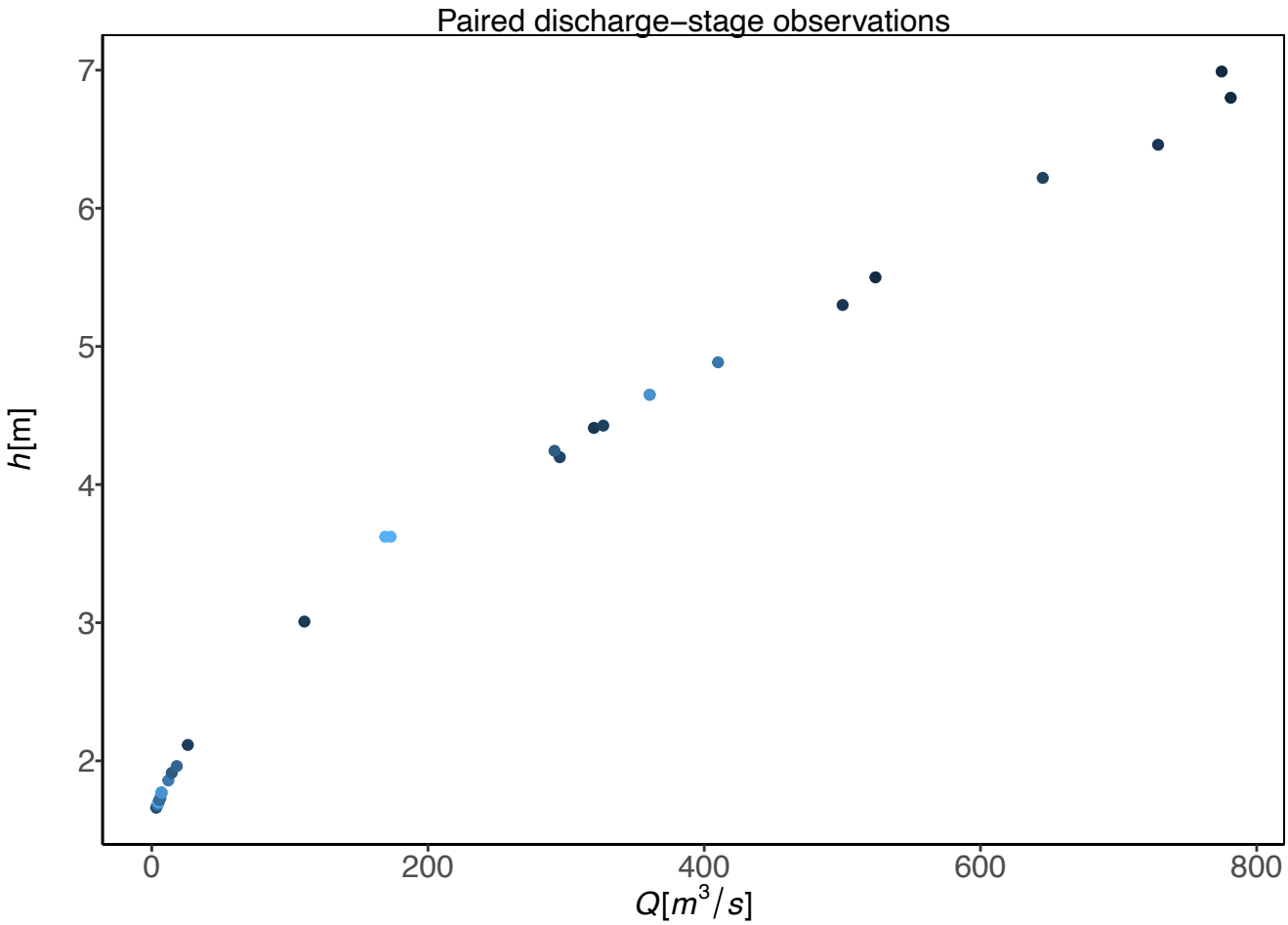
Power–law tournament results for Hóll, Iceland



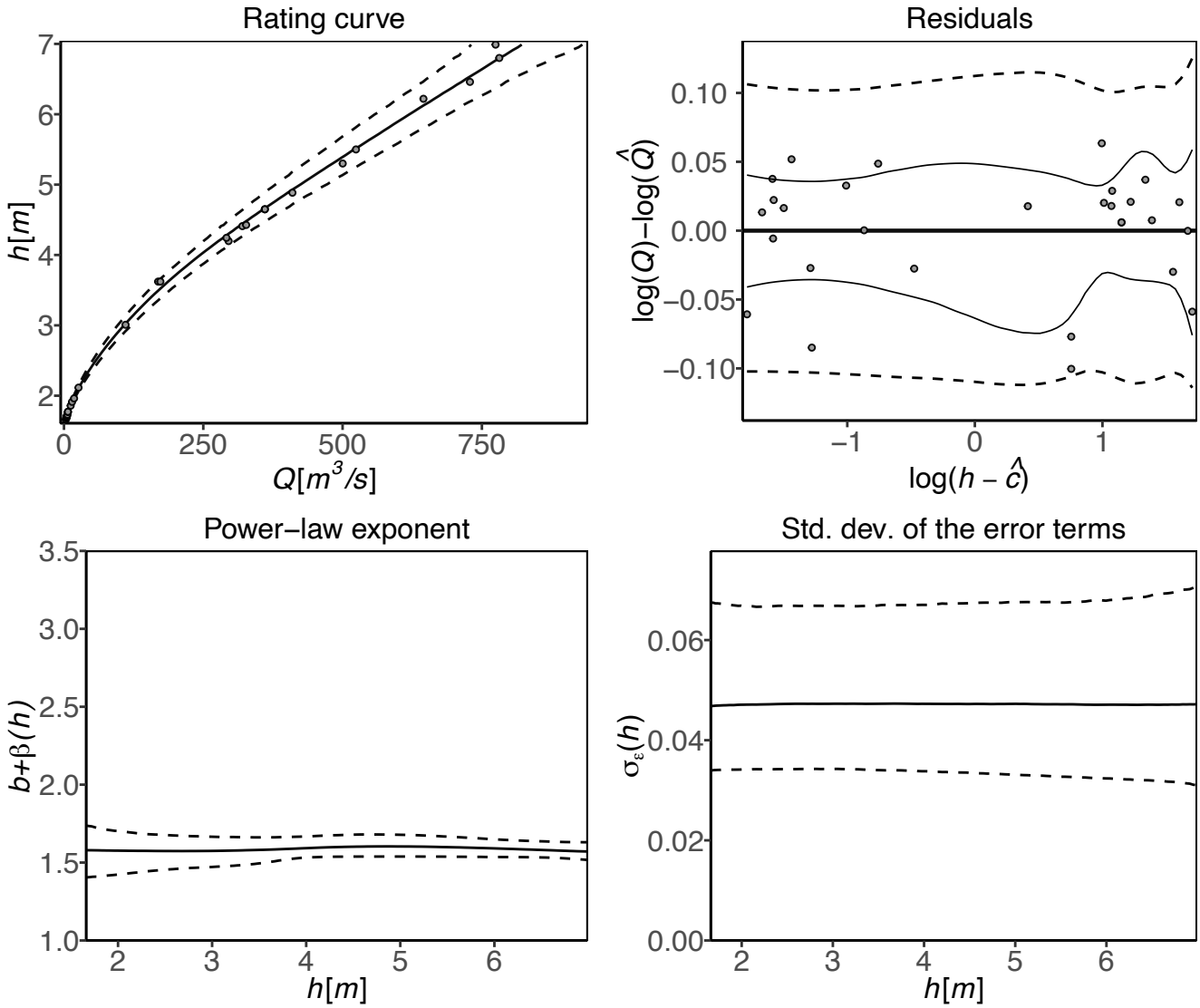
Station name:	Brú
Location:	Iceland
Station number:	V164
Number of observations:	29
Start date:	2004–08–12
End date:	2014–09–15
Max. discharge (m^3/s):	781.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.30
GPLM0	0.18	0.27
PLM	0.64	0.22
PLM0	0.71	0.21



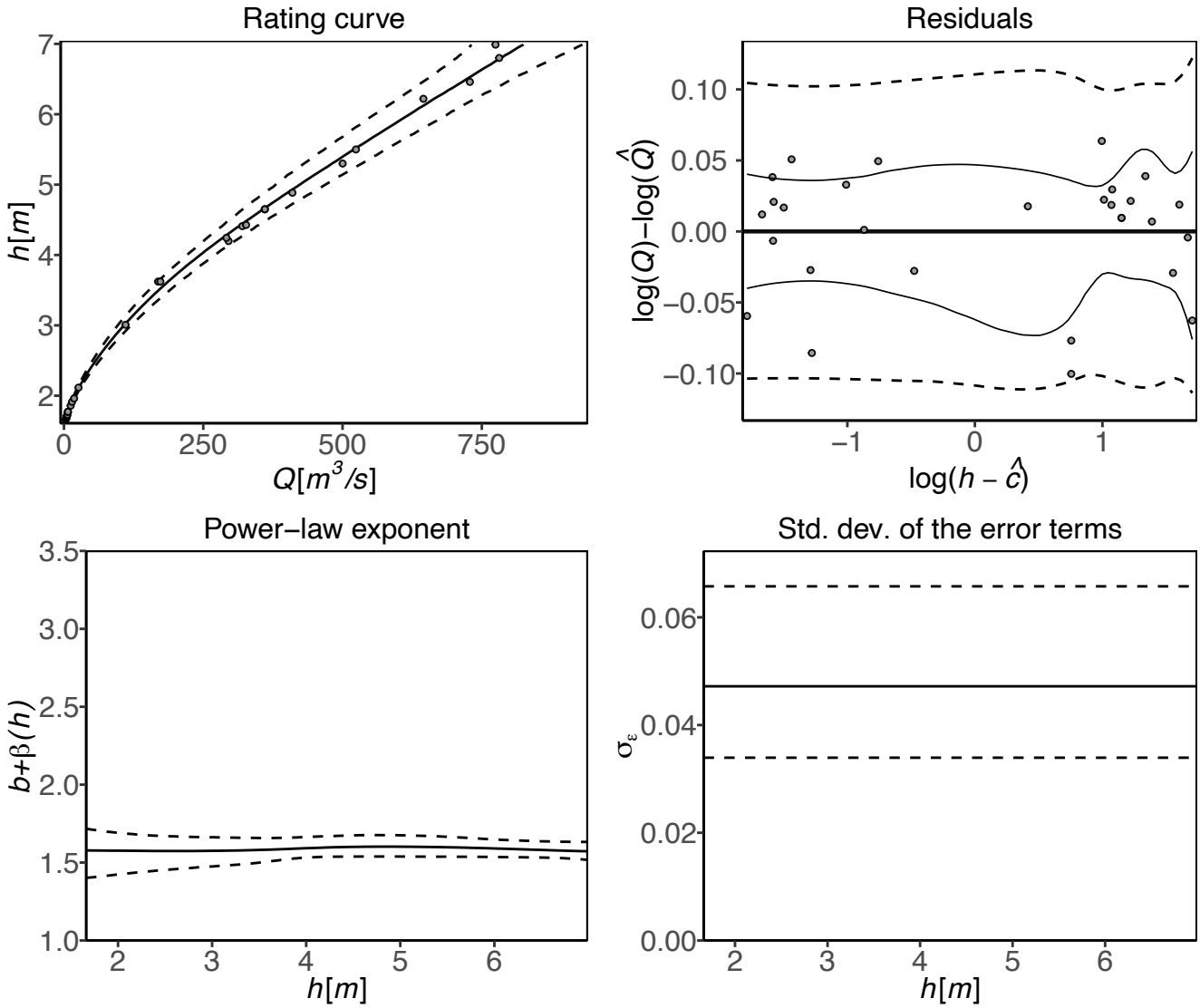


Brú, Iceland – GPLM



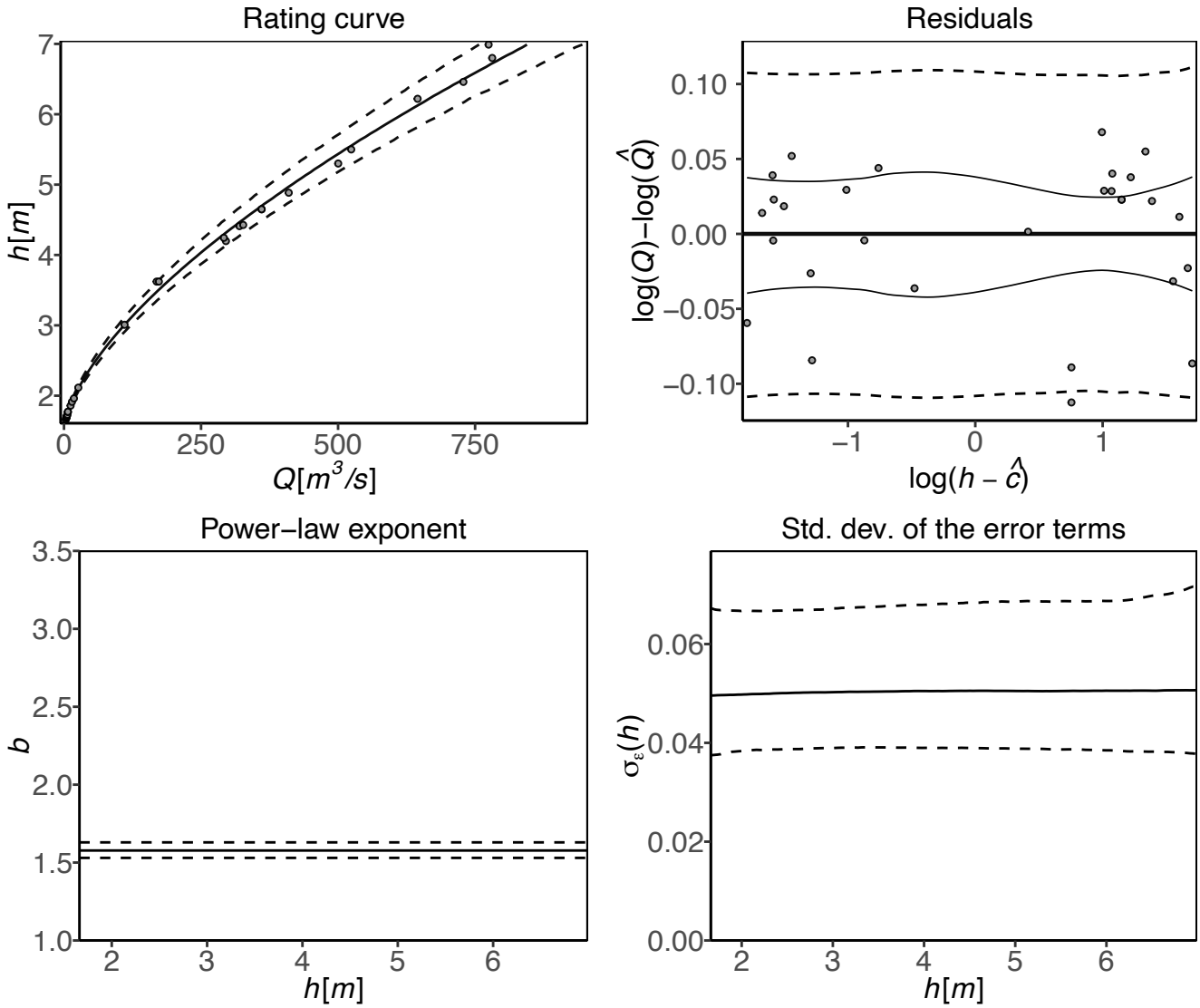
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	56.61	[51.90; 60.71]	3174	1.00
b	1.83	[1.83; 1.84]	9804	1.00
c	1.49	[1.45; 1.53]	1917	1.00
σ_β	0.25	[0.11; 0.69]	1903	1.01
ϕ_β	14.04	[1.85; 3076.22]	762	1.11
σ_η	0.08	[0.00; 0.40]	1520	1.00
η_1	−6.12	[−6.77; −5.39]	1616	1.01
η_2	−6.05	[−7.95; −4.10]	2274	1.00
η_3	−6.00	[−8.65; −3.32]	2264	1.00
η_4	−6.05	[−9.37; −2.84]	2360	1.00
η_5	−6.13	[−9.80; −2.37]	2322	1.00
η_6	−6.09	[−10.24; −1.85]	2132	1.00

Brú, Iceland – GPLM0



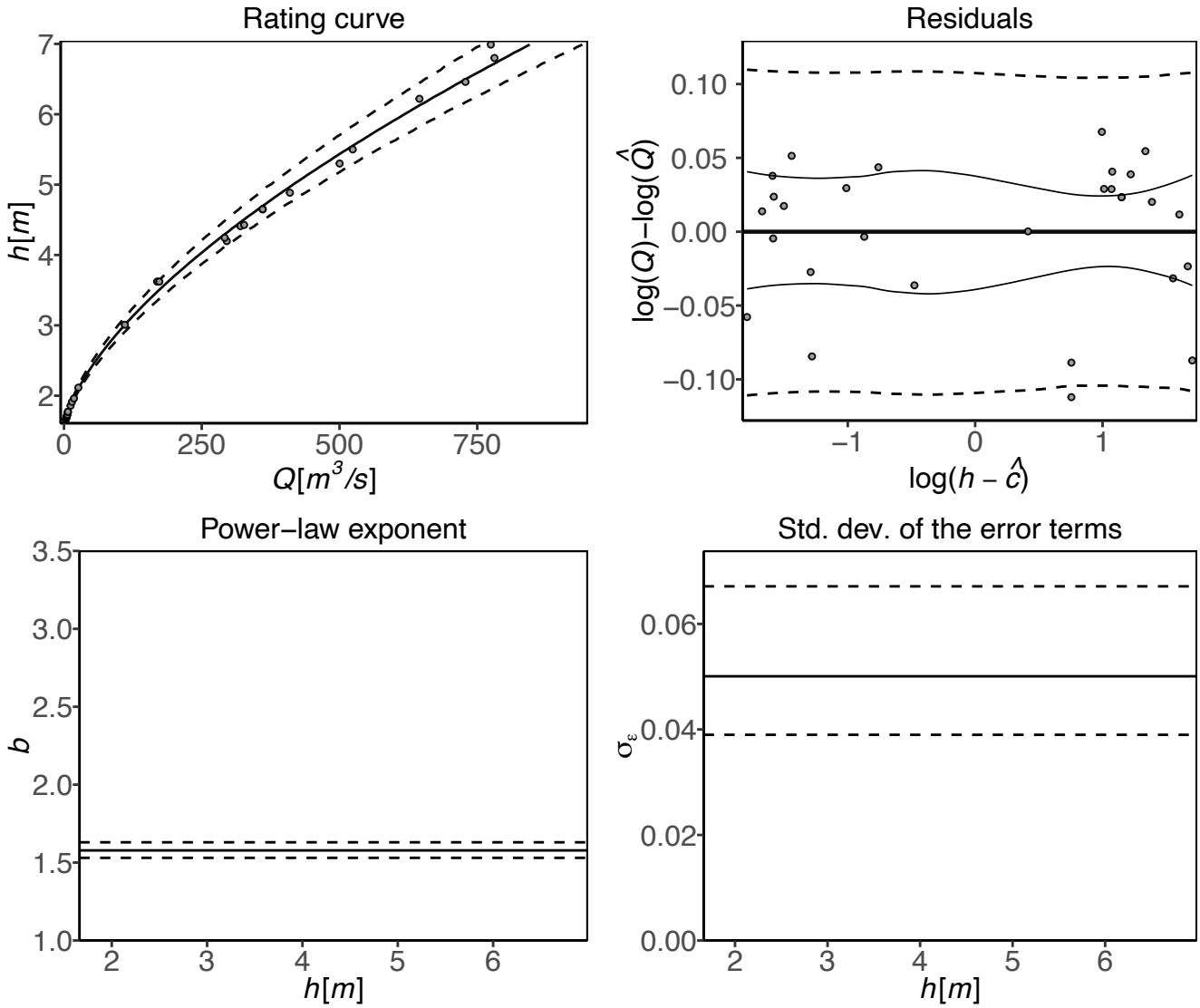
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	56.62	[52.01; 60.72]	6146	1.00
b	1.83	[1.83; 1.84]	11715	1.00
c	1.49	[1.45; 1.53]	3825	1.00
σ_ε	0.05	[0.03; 0.07]	2386	1.00
σ_β	0.49	[0.33; 0.81]	4344	1.00
ϕ_β	18.45	[1.98; 29601.87]	789	1.06

Brú, Iceland – PLM



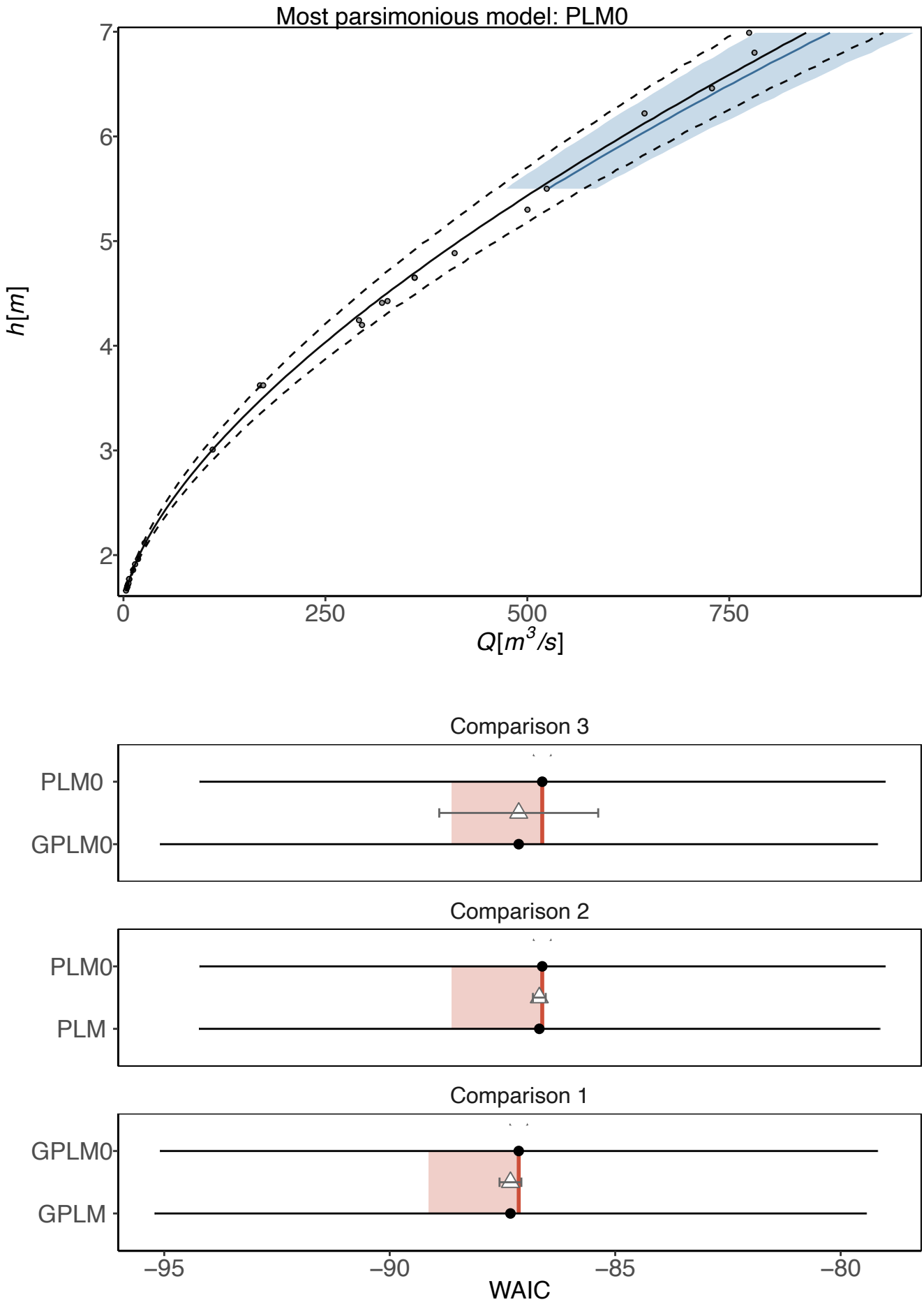
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	57.46	[53.48; 61.33]	2781	1.00
b	1.58	[1.53; 1.63]	2814	1.00
c	1.49	[1.47; 1.51]	2624	1.00
σ_η	0.07	[0.00; 0.39]	1813	1.00
η_1	–6.01	[–6.57; –5.40]	2714	1.00
η_2	–5.92	[–7.76; –4.04]	2833	1.00
η_3	–5.79	[–8.48; –3.25]	2491	1.00
η_4	–5.77	[–8.97; –2.68]	2851	1.00
η_5	–5.81	[–9.46; –2.19]	2733	1.00
η_6	–5.70	[–9.91; –1.72]	2945	1.00

Brú, Iceland – PLM0



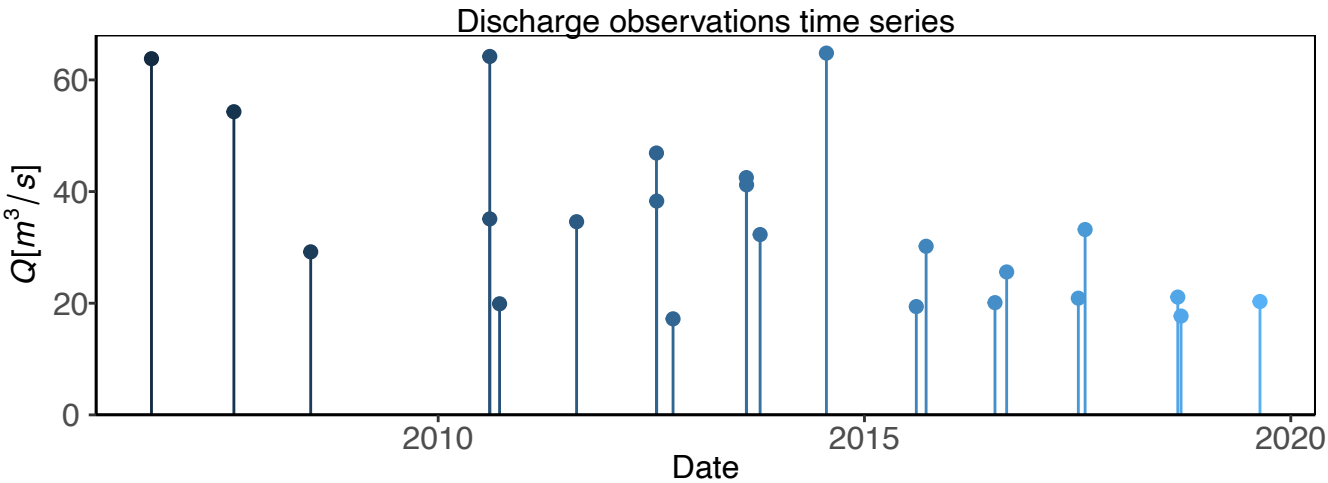
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	57.44	[53.44; 61.28]	9235	1.00
b	1.58	[1.53; 1.63]	9191	1.00
c	1.49	[1.47; 1.51]	8986	1.00
σ_ε	0.05	[0.04; 0.07]	9280	1.00

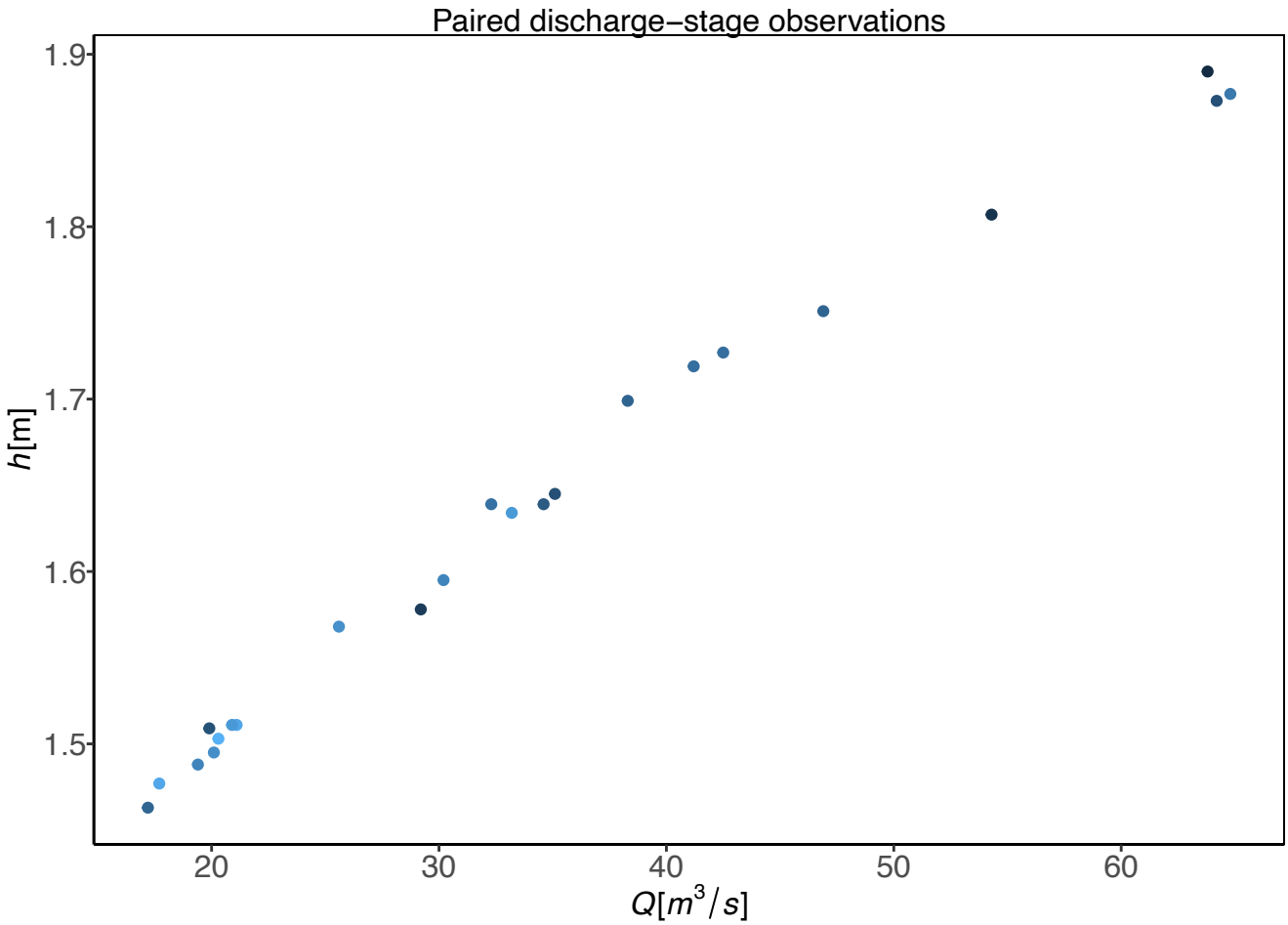
Power–law tournament results for Brú, Iceland



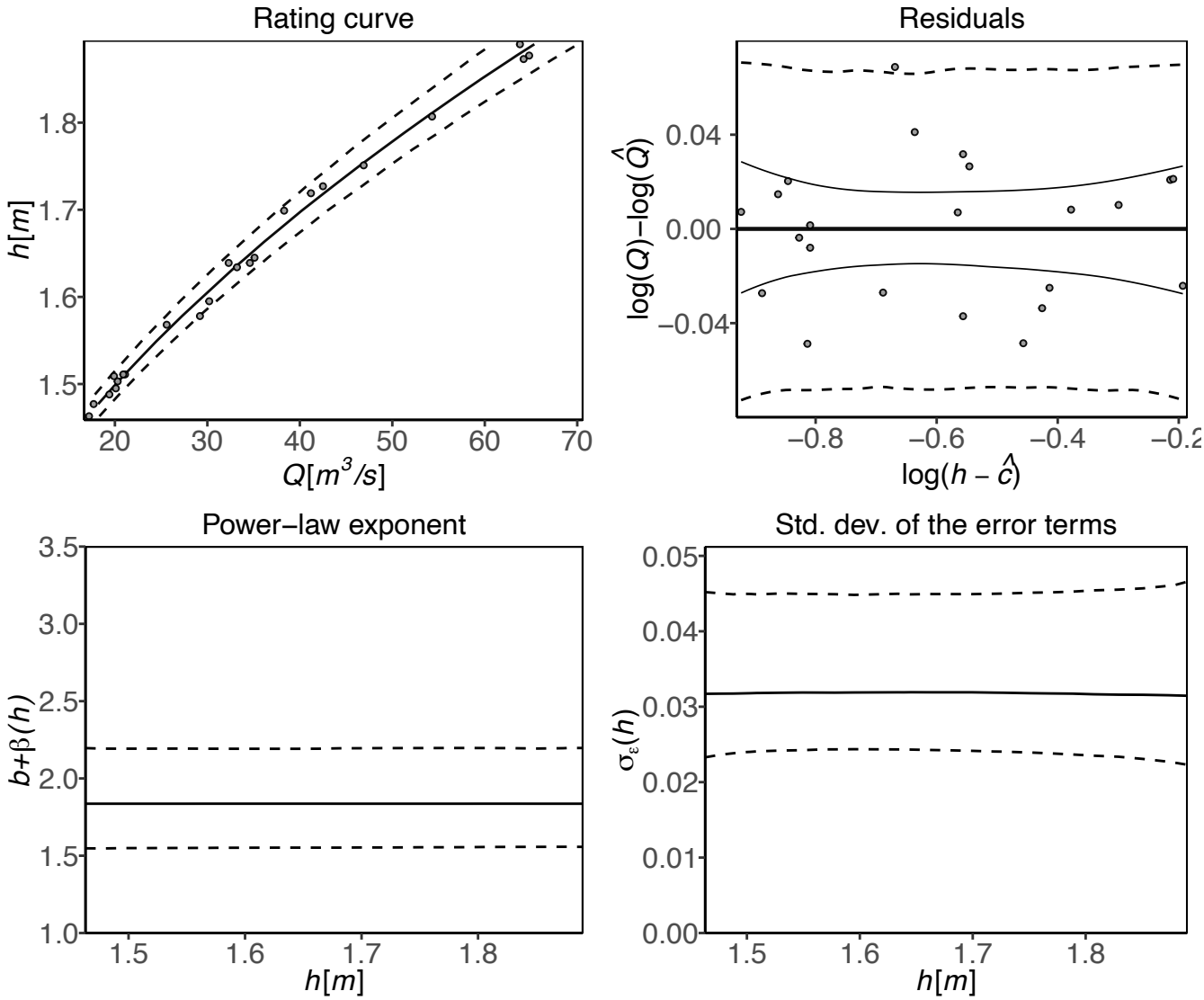
Station name:	Eyfirðingavað
Location:	Iceland
Station number:	V167
Number of observations:	23
Start date:	2006–08–22
End date:	2019–08–22
Max. discharge (m^3/s):	64.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.32
GPLM0	0.10	0.31
PLM	1.17	0.18
PLM0	1.05	0.19



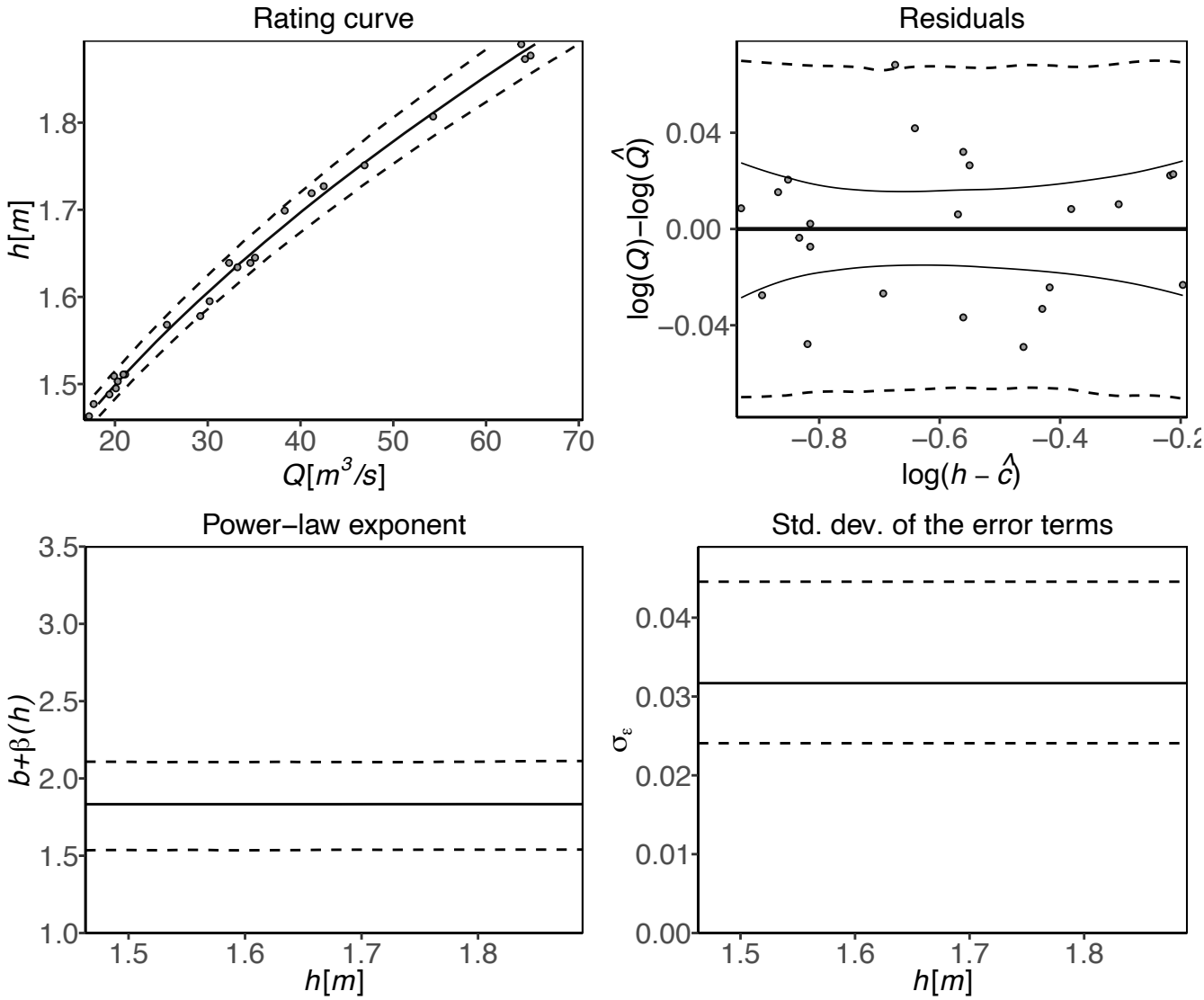


Eyfirðingavað, Iceland – GPLM



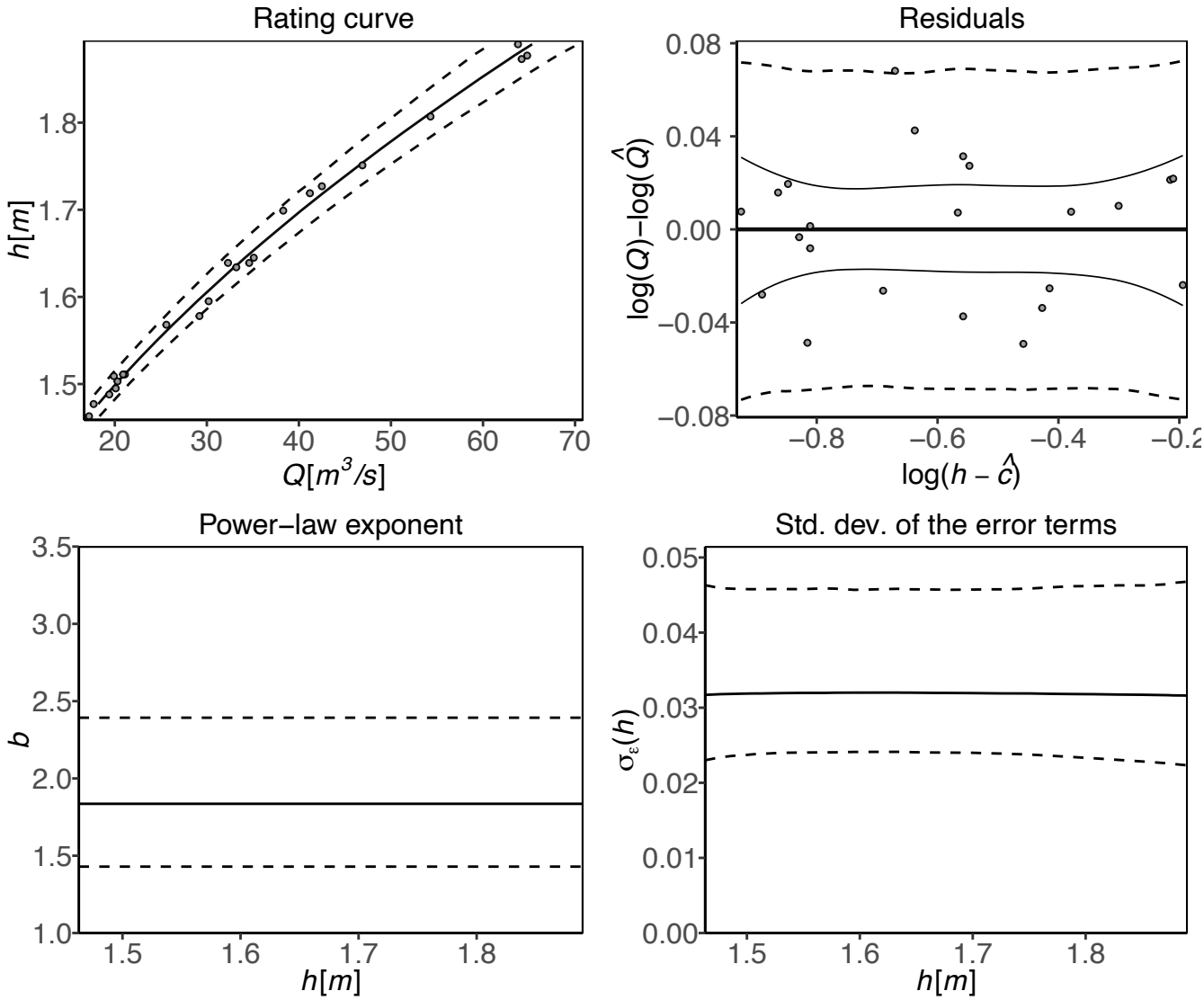
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	93.11	[76.15; 105.40]	897	1.02
b	1.83	[1.83; 1.84]	9214	1.00
c	1.07	[0.95; 1.16]	849	1.03
σ_β	0.10	[0.00; 0.55]	1367	1.00
ϕ_β	18.22	[0.70; 21493.73]	1365	1.01
σ_η	0.08	[0.00; 0.39]	1567	1.01
η_1	−6.90	[−7.52; −6.19]	2027	1.00
η_2	−6.80	[−8.71; −4.89]	2135	1.00
η_3	−6.73	[−9.41; −4.18]	2229	1.00
η_4	−6.79	[−10.06; −3.67]	2158	1.00
η_5	−6.89	[−10.61; −3.23]	2293	1.00
η_6	−6.93	[−11.09; −2.80]	2296	1.00

Eyfirðingavað, Iceland – GPLM0



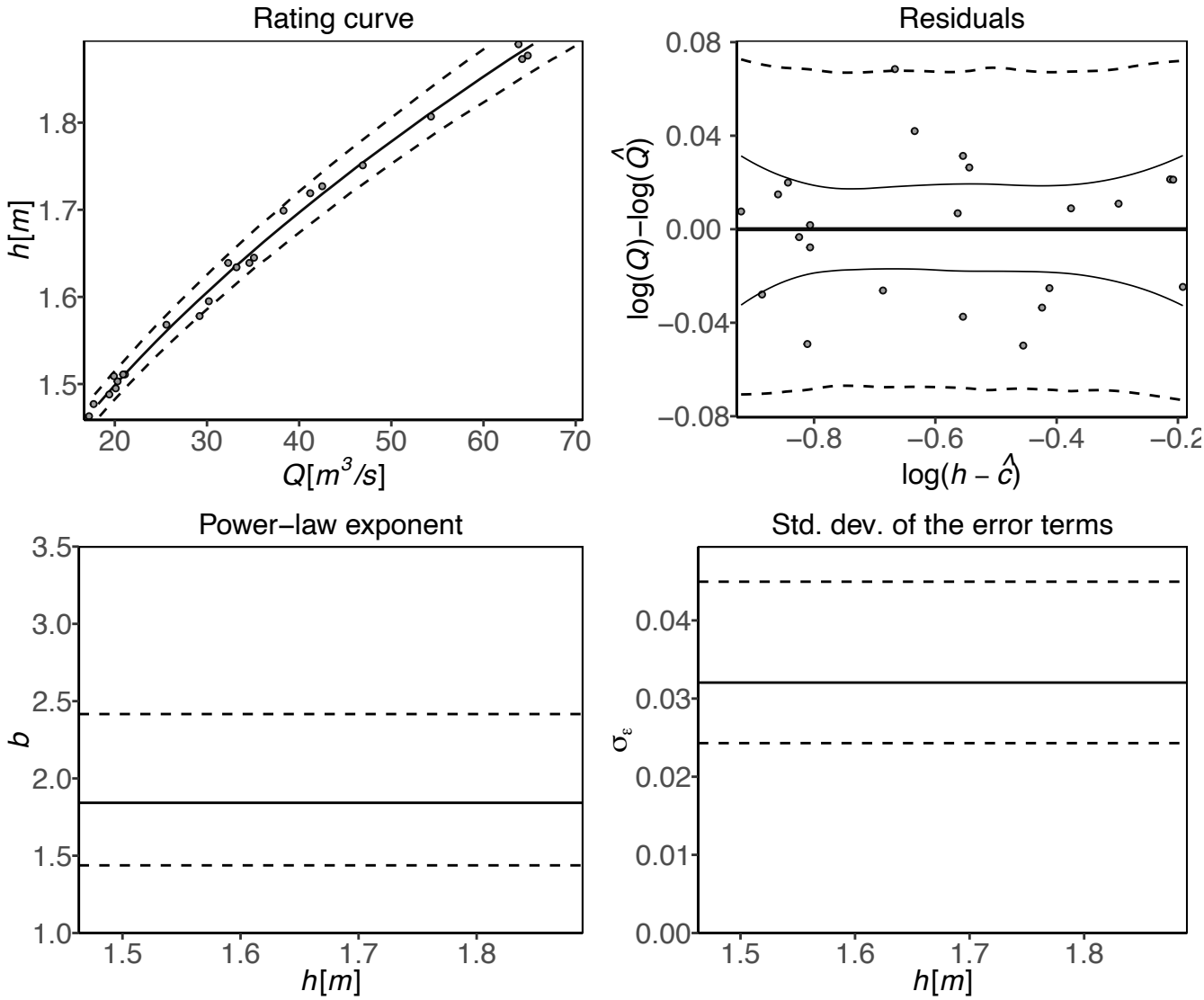
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	93.58	[79.70; 105.72]	1343	1.00
b	1.83	[1.83; 1.84]	12175	1.00
c	1.07	[0.98; 1.16]	1134	1.01
σ_ε	0.03	[0.02; 0.04]	4567	1.00
σ_β	0.32	[0.06; 0.72]	2585	1.00
ϕ_β	18.45	[0.65; 13696.94]	2752	1.00

Eyfirðingavað, Iceland – PLM



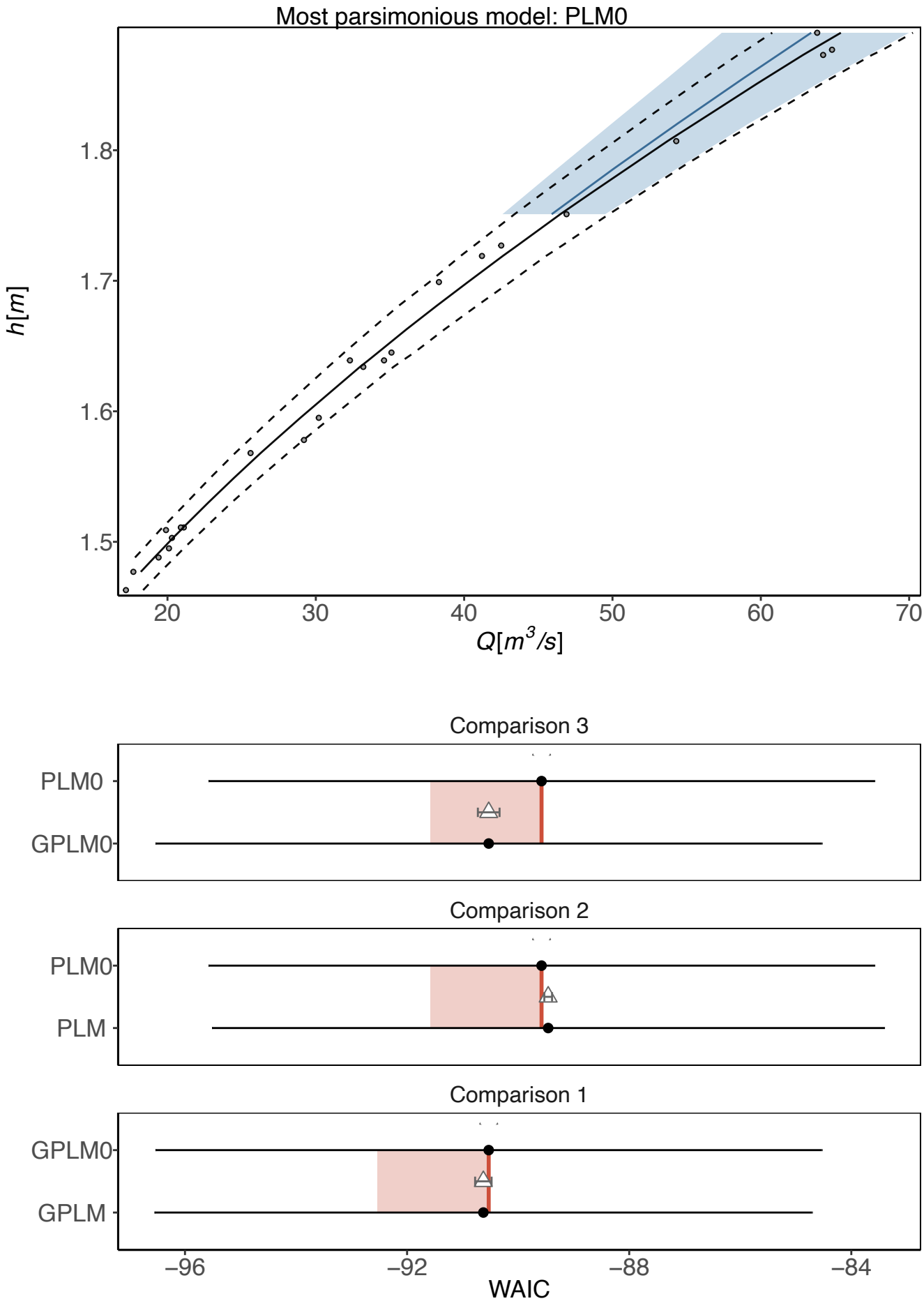
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	93.32	[66.57; 107.32]	2822	1.00
b	1.84	[1.43; 2.39]	2737	1.00
c	1.07	[0.89; 1.19]	2674	1.00
σ_η	0.08	[0.00; 0.40]	1882	1.00
η_1	–6.90	[–7.54; –6.14]	2392	1.00
η_2	–6.82	[–8.73; –4.90]	2722	1.00
η_3	–6.78	[–9.43; –4.16]	2843	1.00
η_4	–6.82	[–9.99; –3.62]	2751	1.00
η_5	–6.93	[–10.59; –3.13]	2929	1.00
η_6	–6.97	[–11.10; –2.75]	2769	1.00

Eyfirðingavað, Iceland – PLM0



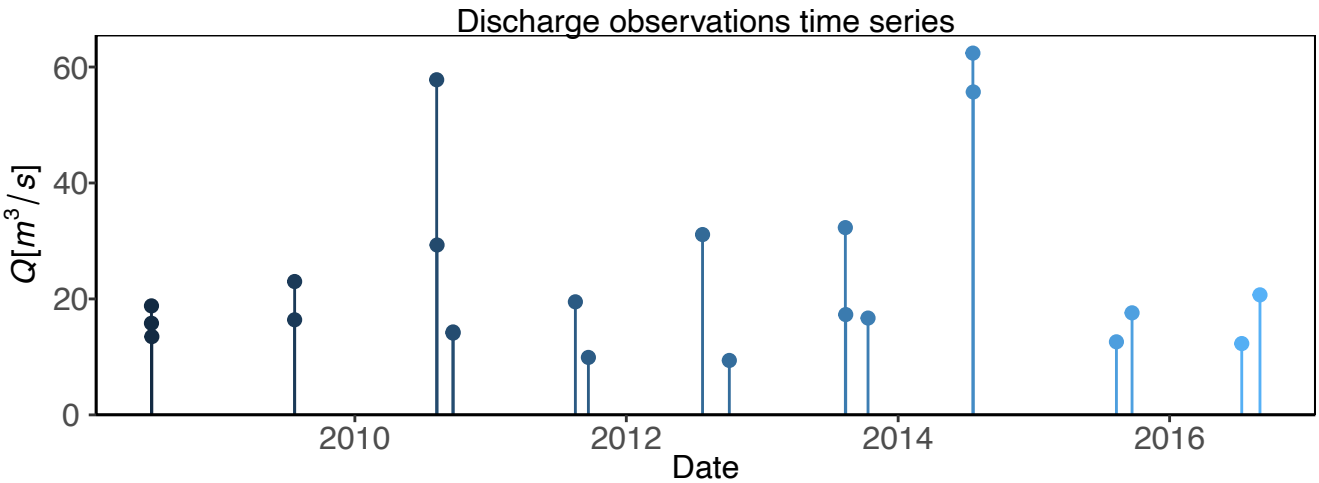
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	92.89	[66.03; 107.25]	10014	1.00
b	1.84	[1.44; 2.42]	10061	1.00
c	1.06	[0.89; 1.19]	10234	1.00
σ_ε	0.03	[0.02; 0.04]	8733	1.00

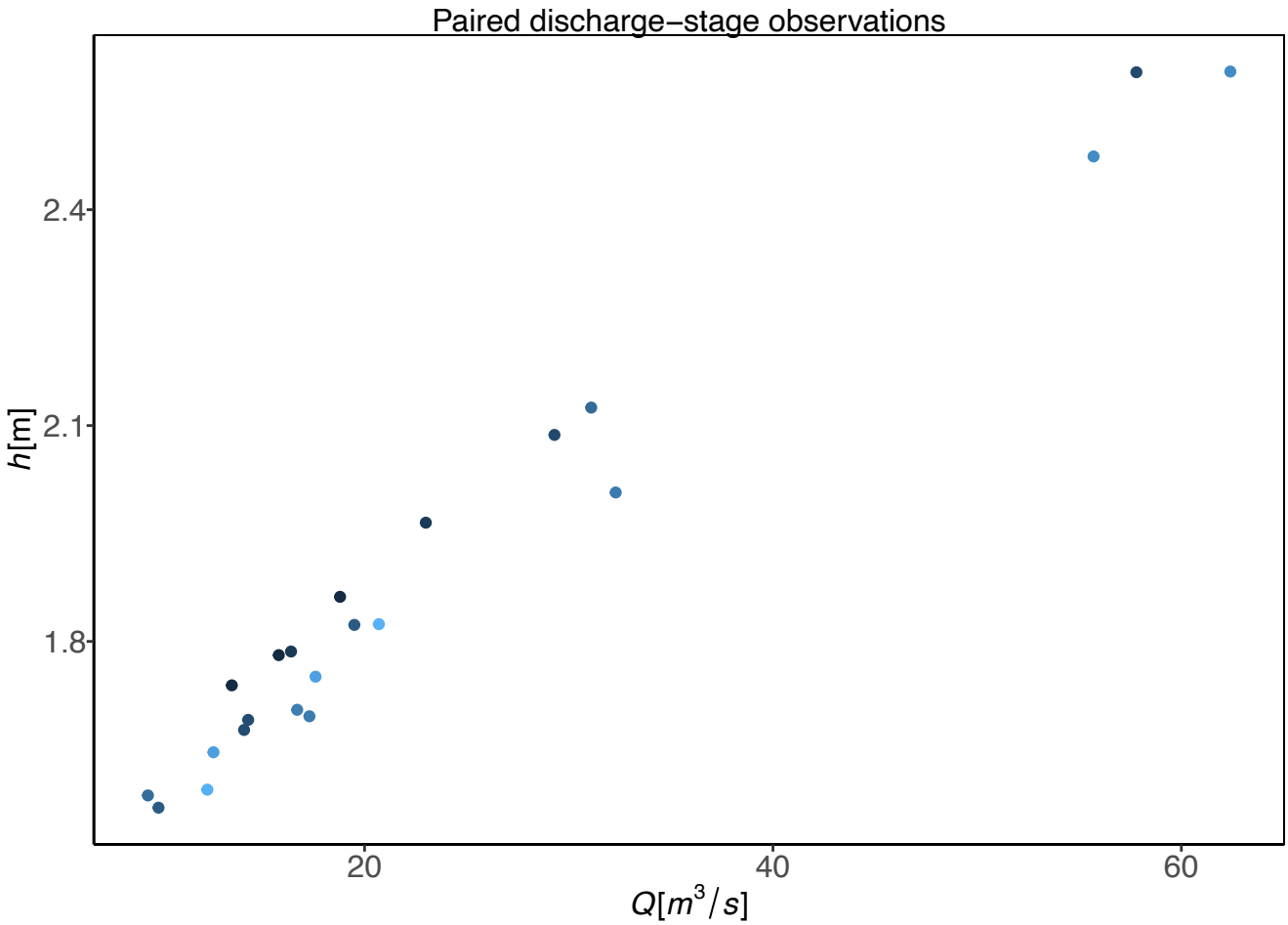
Power−law tournament results for Eyfirðingavað, Iceland



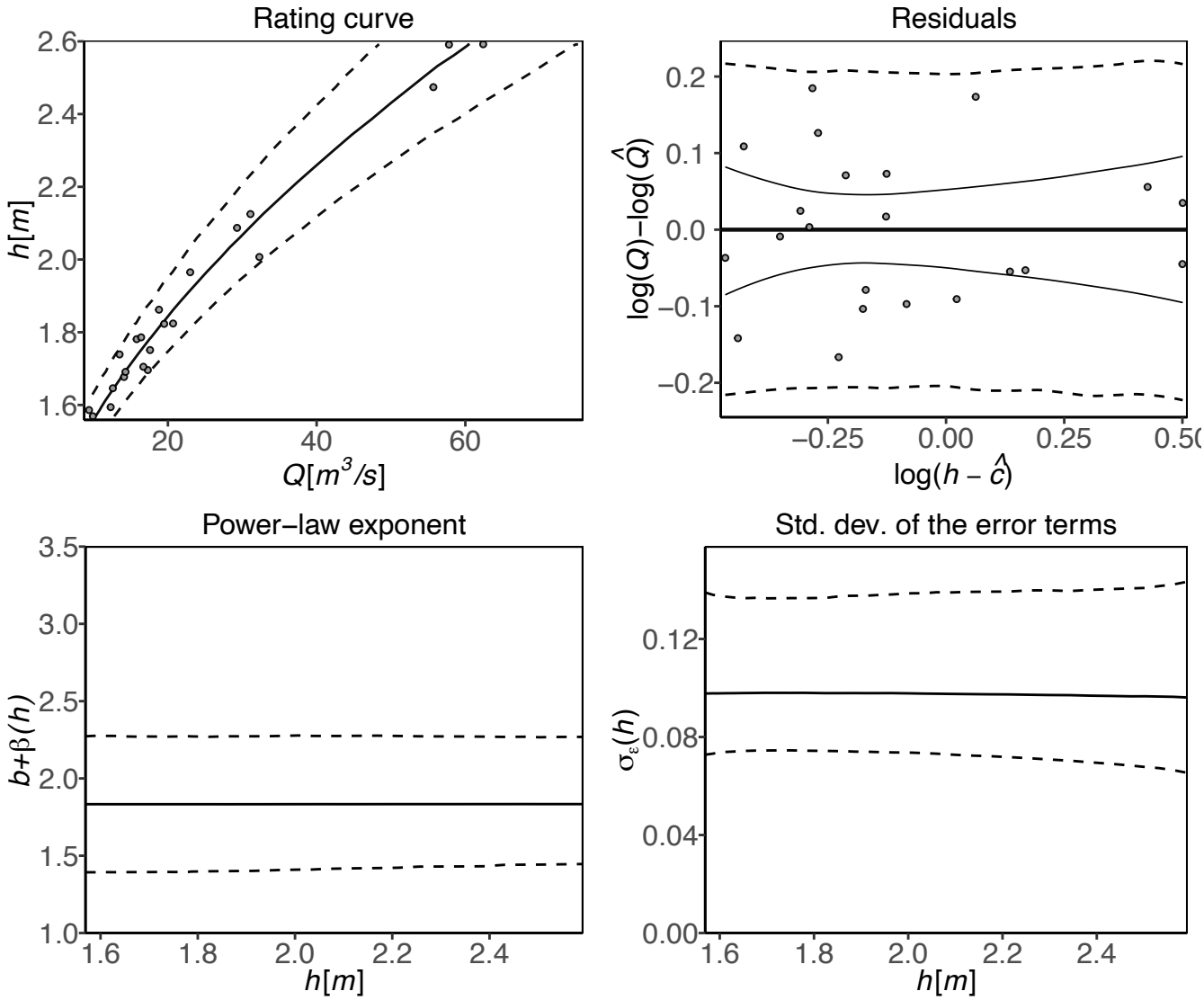
Station name:	Austurbugur
Location:	Iceland
Station number:	V228
Number of observations:	22
Start date:	2008–07–03
End date:	2016–08–31
Max. discharge (m^3/s):	62.4
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.12	0.27
GPLM0	0.00	0.28
PLM	0.51	0.22
PLM0	0.45	0.23



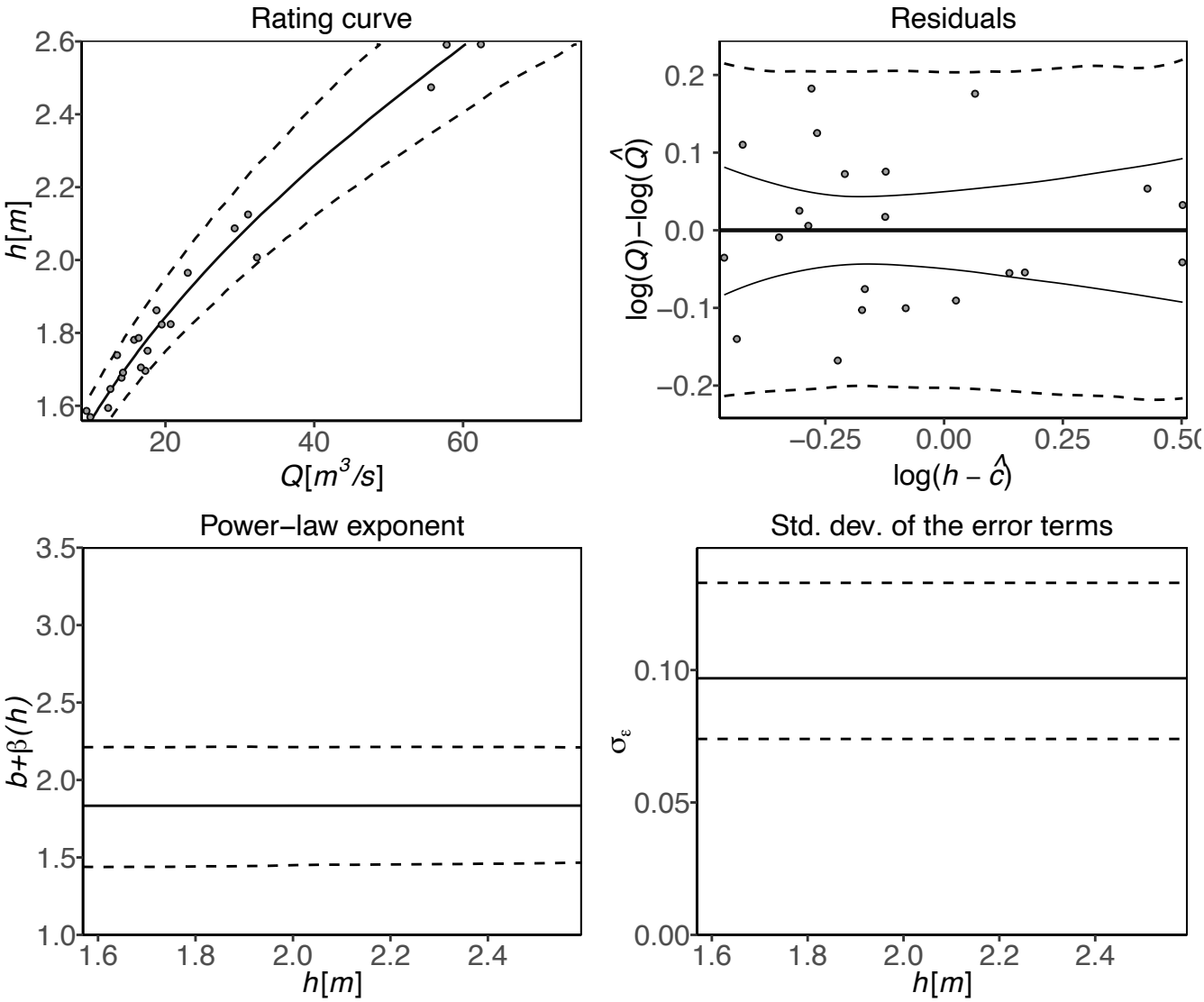


Austurbugur, Iceland – GPLM



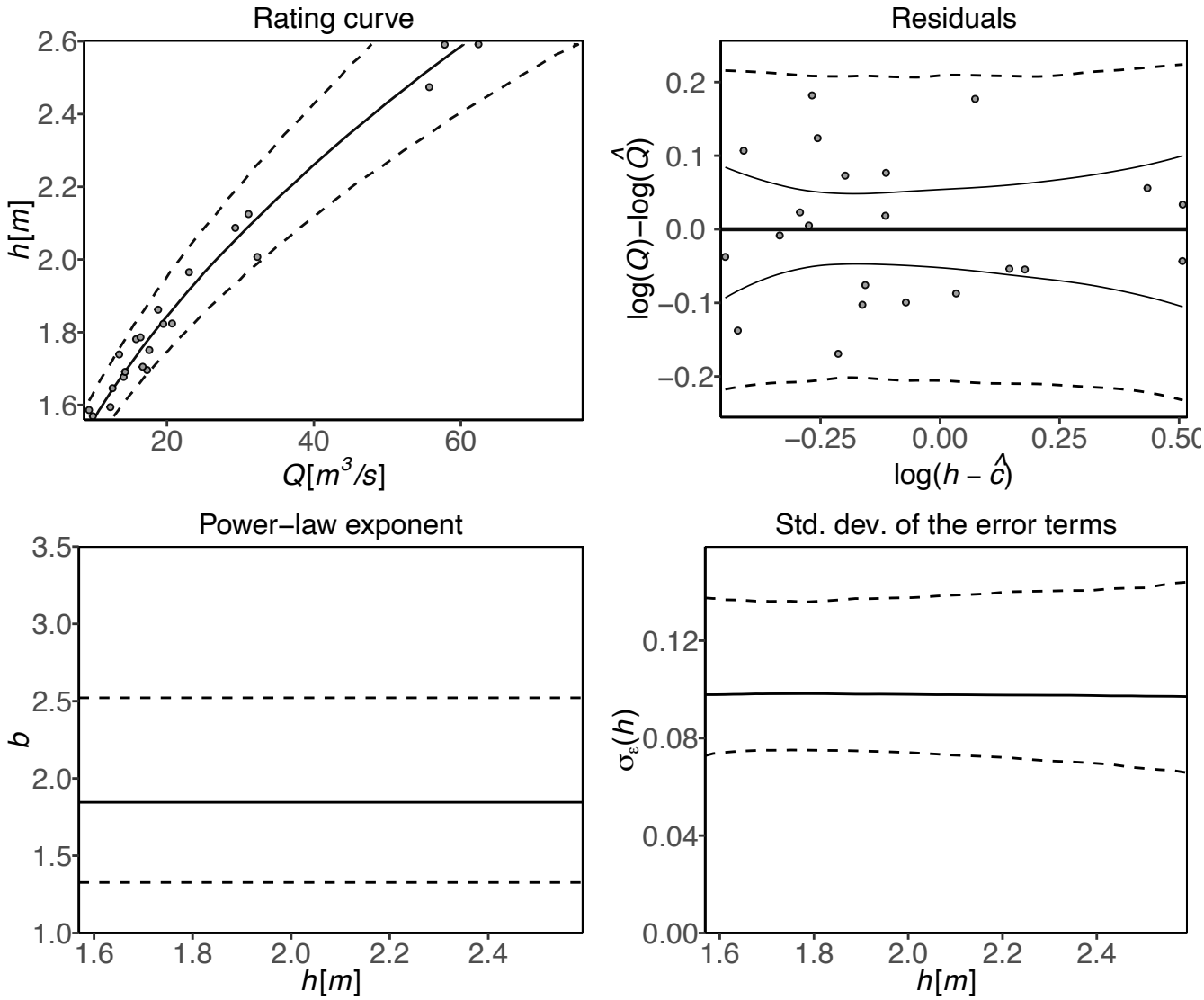
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.12	[14.28; 36.05]	998	1.02
b	1.83	[1.83; 1.84]	9522	1.00
c	0.94	[0.69; 1.17]	954	1.02
σ_β	0.12	[0.01; 0.59]	1450	1.00
ϕ_β	16.83	[0.68; 10240.56]	1515	1.00
σ_η	0.08	[0.00; 0.39]	1504	1.00
η_1	–4.65	[–5.24; –3.95]	1952	1.00
η_2	–4.61	[–6.52; –2.68]	2276	1.00
η_3	–4.60	[–7.26; –1.90]	2254	1.00
η_4	–4.69	[–7.91; –1.34]	2319	1.00
η_5	–4.76	[–8.55; –0.83]	2451	1.00
η_6	–4.81	[–9.03; –0.48]	2413	1.00

Austurbugur, Iceland – GPLM0



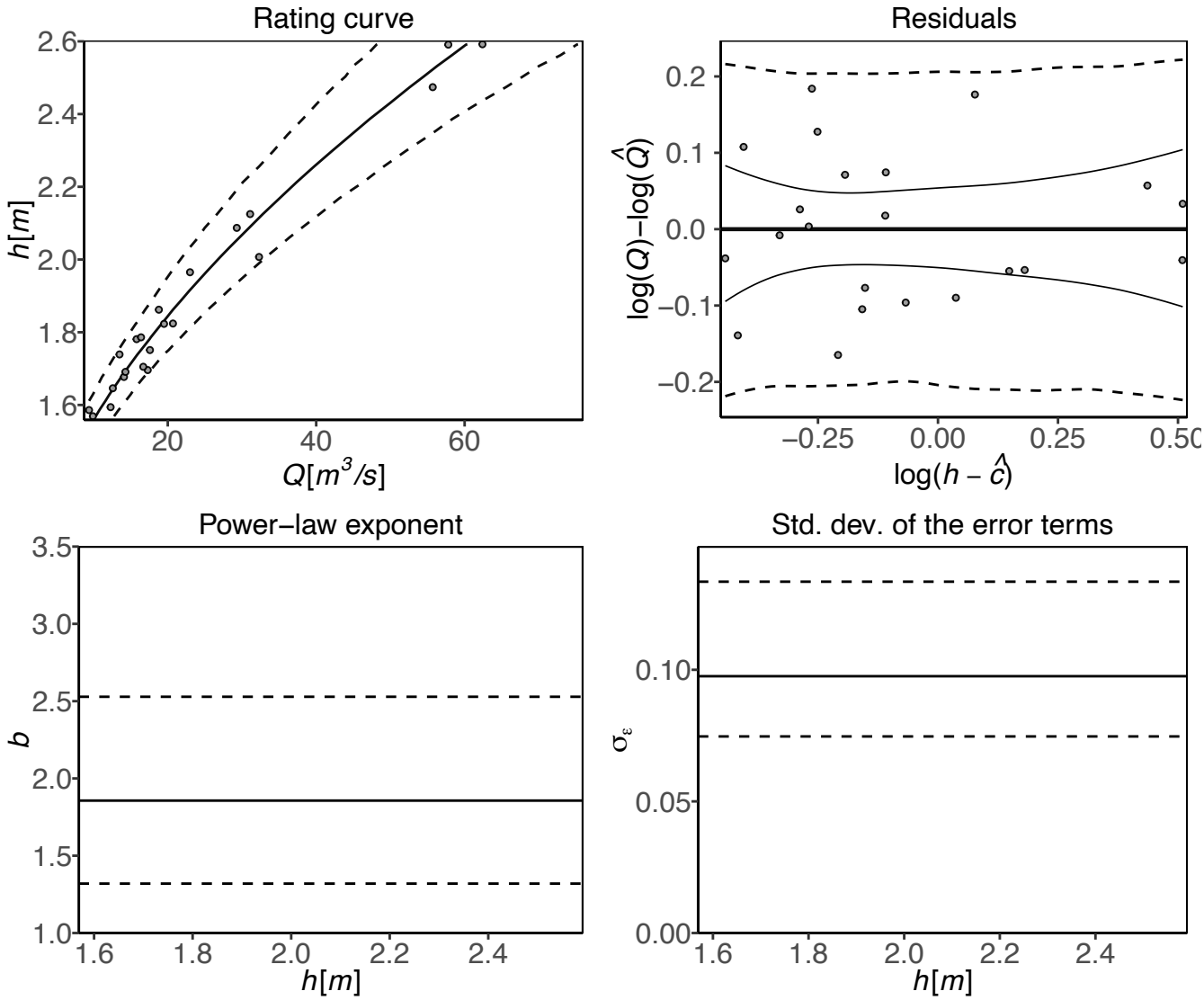
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.06	[15.35; 34.73]	1843	1.00
b	1.83	[1.83; 1.84]	10845	1.00
c	0.94	[0.72; 1.15]	1589	1.00
σ_ε	0.10	[0.07; 0.13]	5103	1.00
σ_β	0.33	[0.07; 0.76]	2888	1.00
ϕ_β	18.59	[0.64; 21195.45]	2605	1.00

Austurbugur, Iceland – PLM



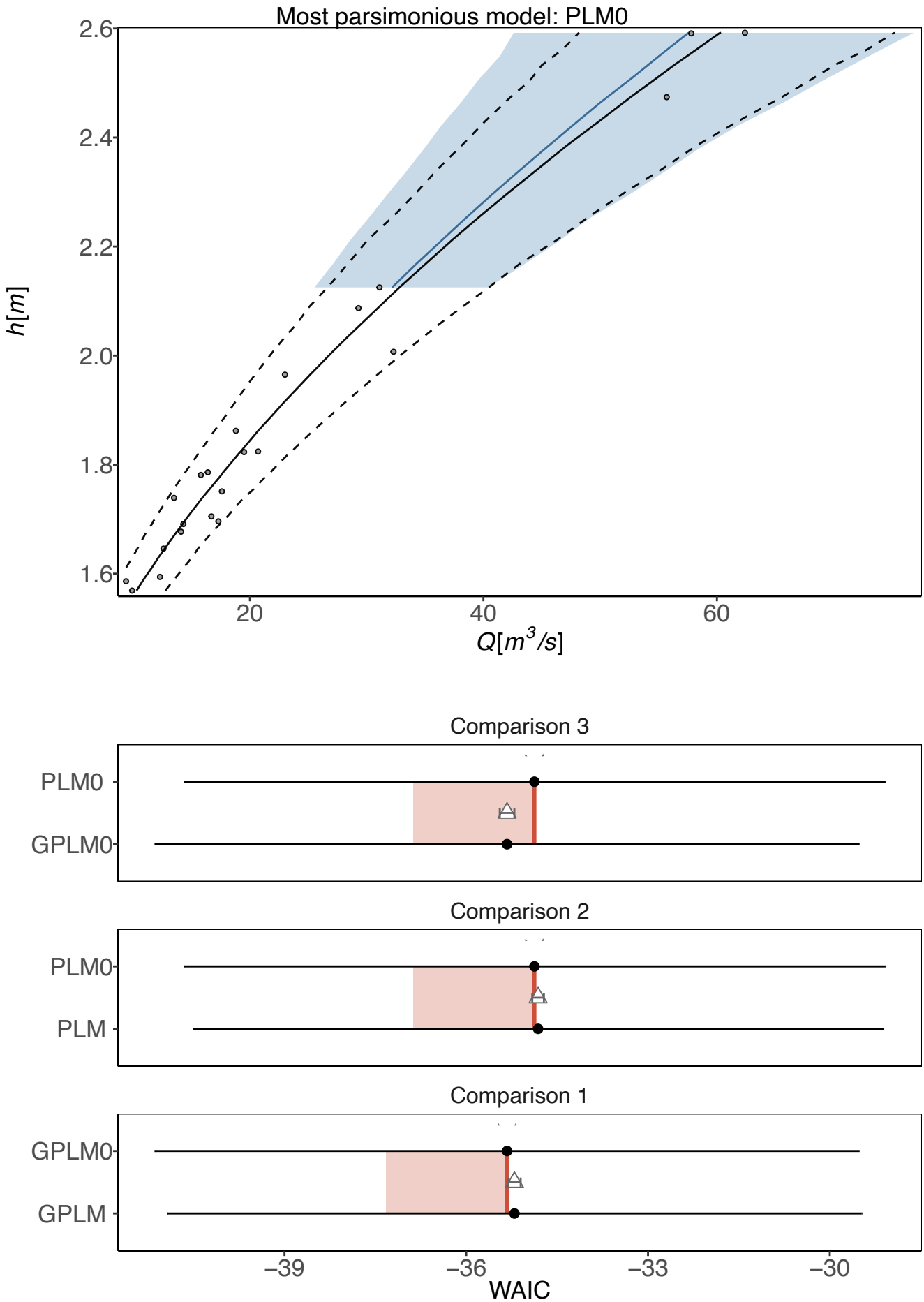
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	23.63	[10.28; 37.55]	3122	1.00
b	1.85	[1.33; 2.52]	3123	1.00
c	0.93	[0.55; 1.20]	2908	1.00
σ_η	0.08	[0.00; 0.41]	1935	1.00
η_1	–4.65	[–5.24; –3.97]	2594	1.00
η_2	–4.58	[–6.44; –2.69]	2906	1.00
η_3	–4.61	[–7.30; –2.01]	2900	1.00
η_4	–4.67	[–7.85; –1.38]	2950	1.00
η_5	–4.77	[–8.42; –0.87]	2920	1.00
η_6	–4.81	[–8.90; –0.41]	2805	1.00

Austurbugur, Iceland – PLM0



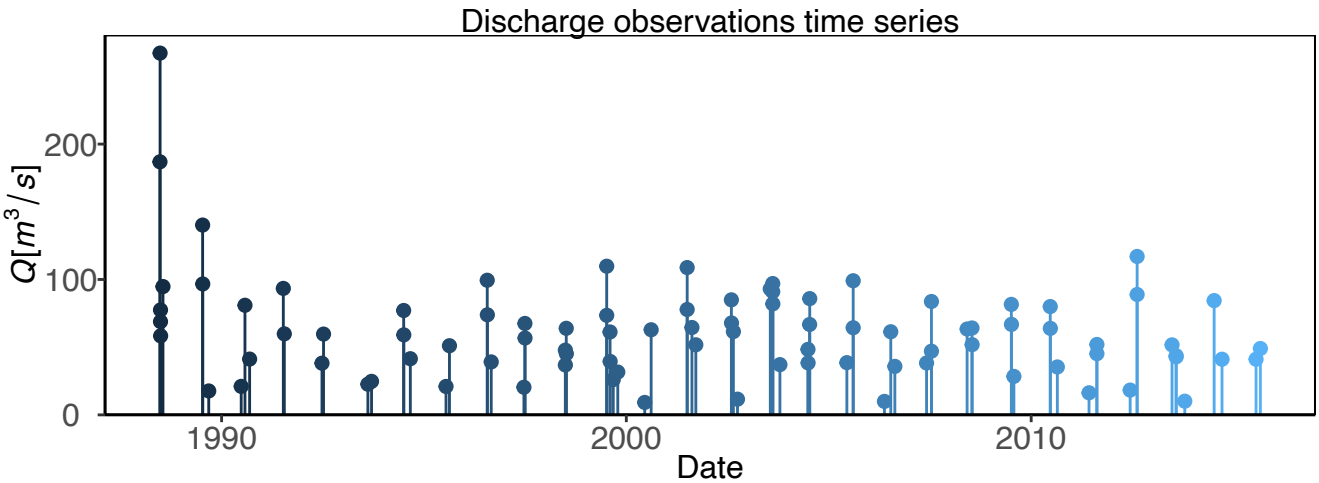
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	23.45	[10.30; 37.68]	9921	1.00
b	1.86	[1.32; 2.53]	9994	1.00
c	0.93	[0.55; 1.21]	9701	1.00
σ_ε	0.10	[0.07; 0.13]	8452	1.00

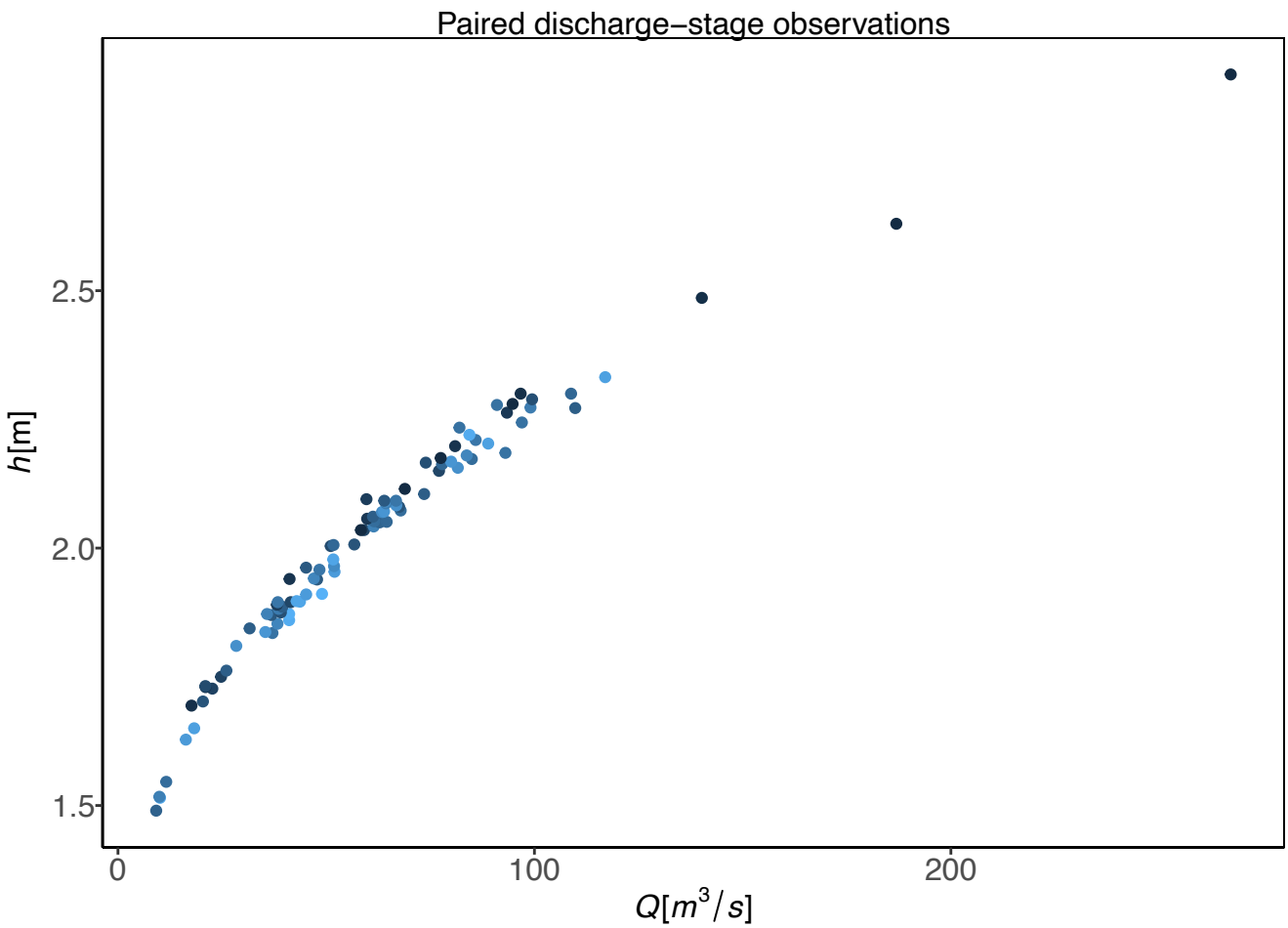
Power−law tournament results for Austurbugur, Iceland



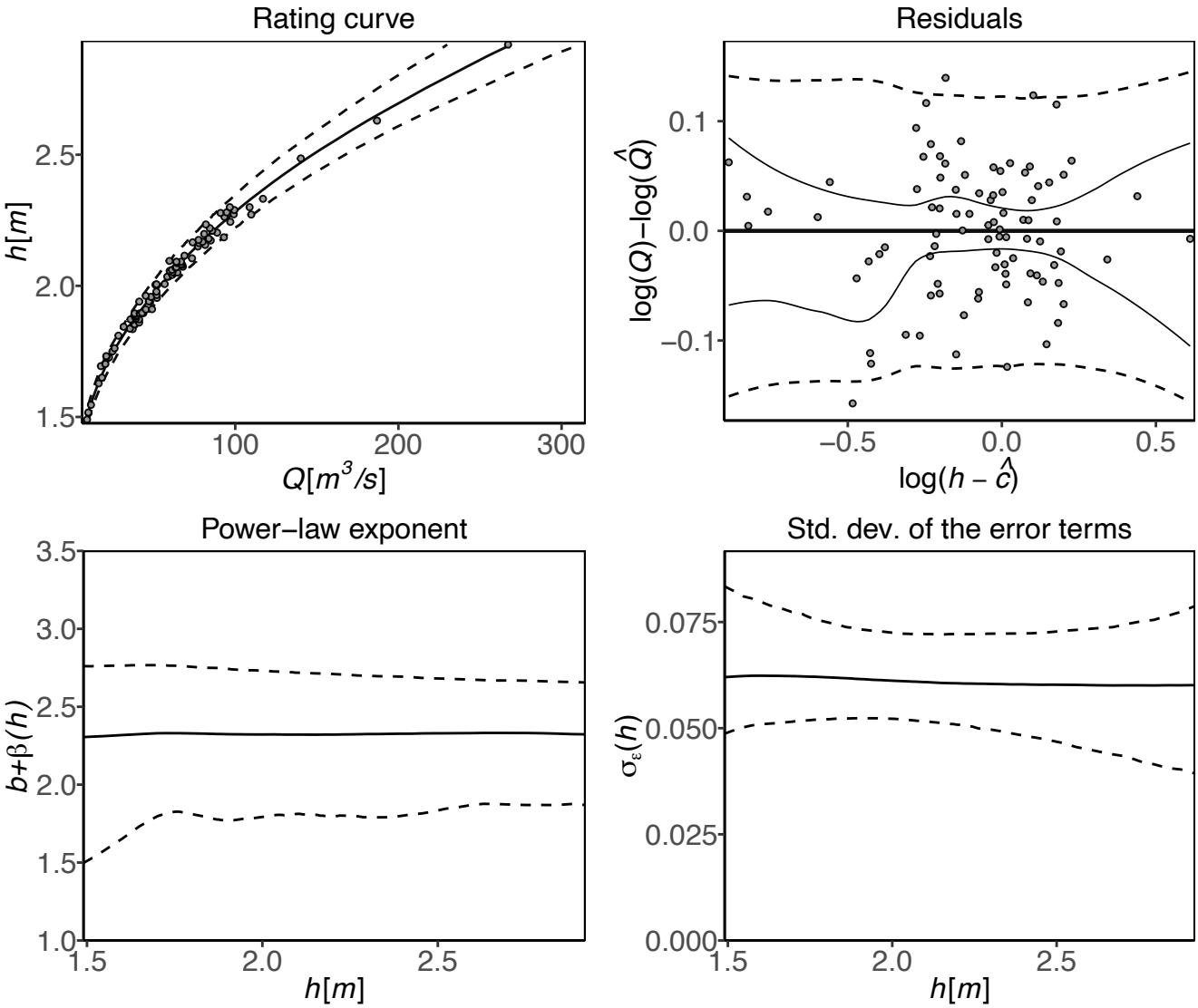
Station name:	Eyjabakkafoss
Location:	Iceland
Station number:	V234
Number of observations:	90
Start date:	1988–06–24
End date:	2015–08–31
Max. discharge (m^3/s):	267.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.09	0.27
GPLM0	0.24	0.25
PLM	0.00	0.28
PLM0	0.56	0.21



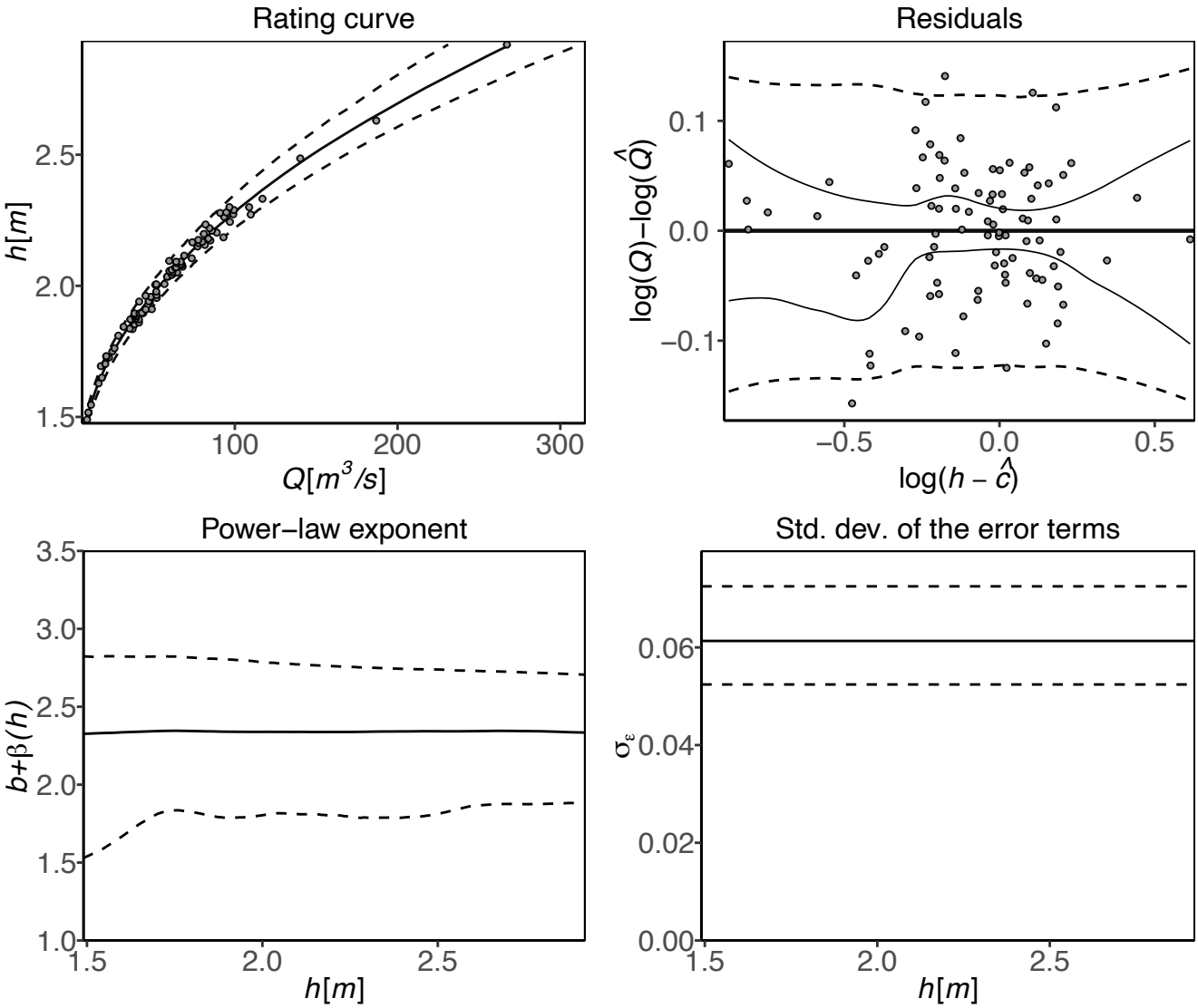


Eyjabakkafoss, Iceland – GPLM



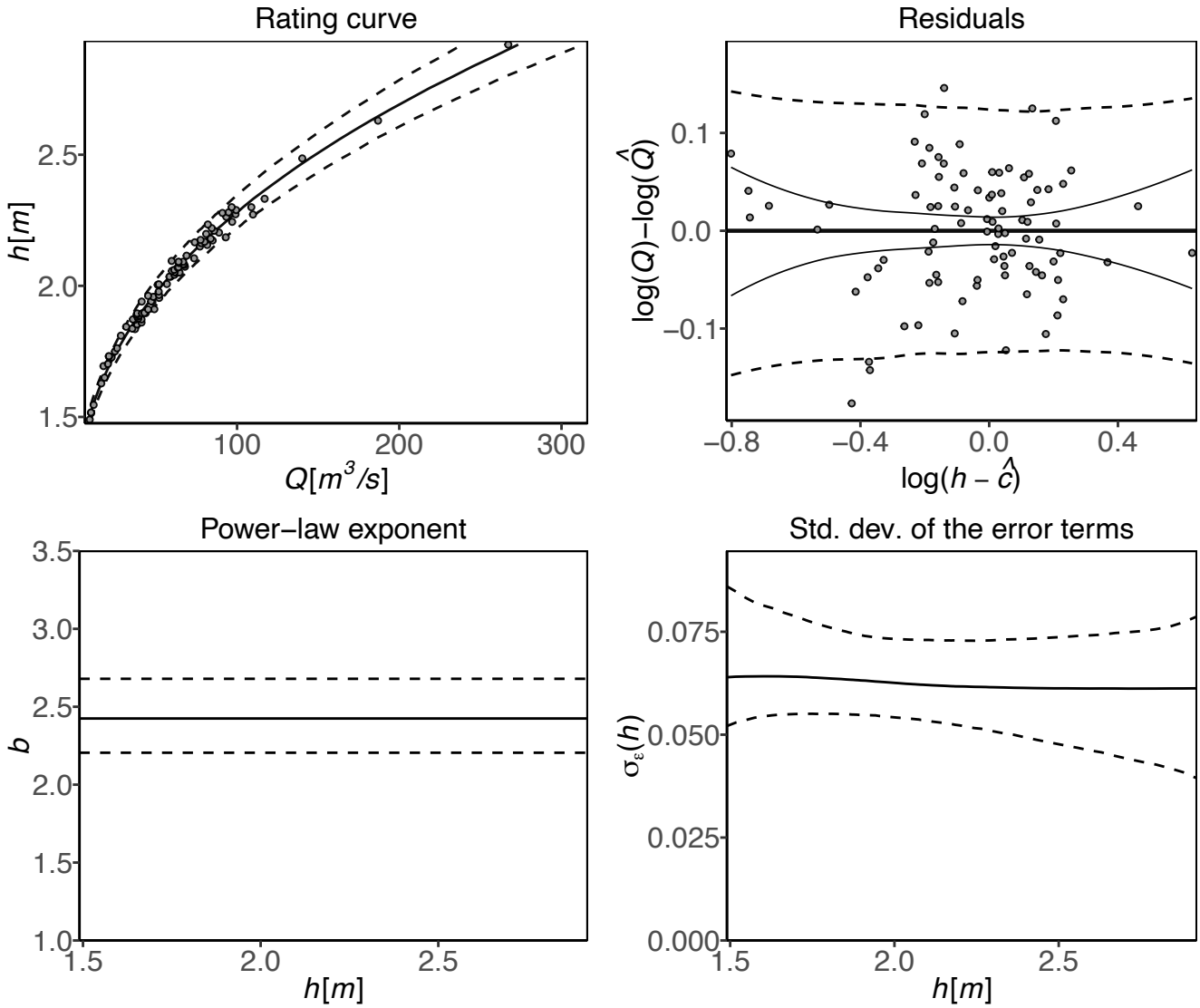
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	64.87	[45.53; 102.97]	866	1.06
b	1.84	[1.83; 1.84]	6566	1.00
c	1.08	[0.94; 1.30]	804	1.07
σ_β	0.35	[0.13; 0.90]	1296	1.02
ϕ_β	5.63	[0.18; 4798.90]	897	1.04
σ_η	0.09	[0.00; 0.48]	1341	1.00
η_1	–5.56	[–6.04; –4.97]	1330	1.02
η_2	–5.46	[–7.37; –3.75]	1625	1.00
η_3	–5.78	[–8.26; –3.13]	1651	1.01
η_4	–6.01	[–9.04; –2.70]	1863	1.00
η_5	–6.08	[–9.70; –2.17]	1881	1.00
η_6	–6.08	[–10.34; –1.63]	1761	1.00

Eyjabakkafoss, Iceland – GPLM0



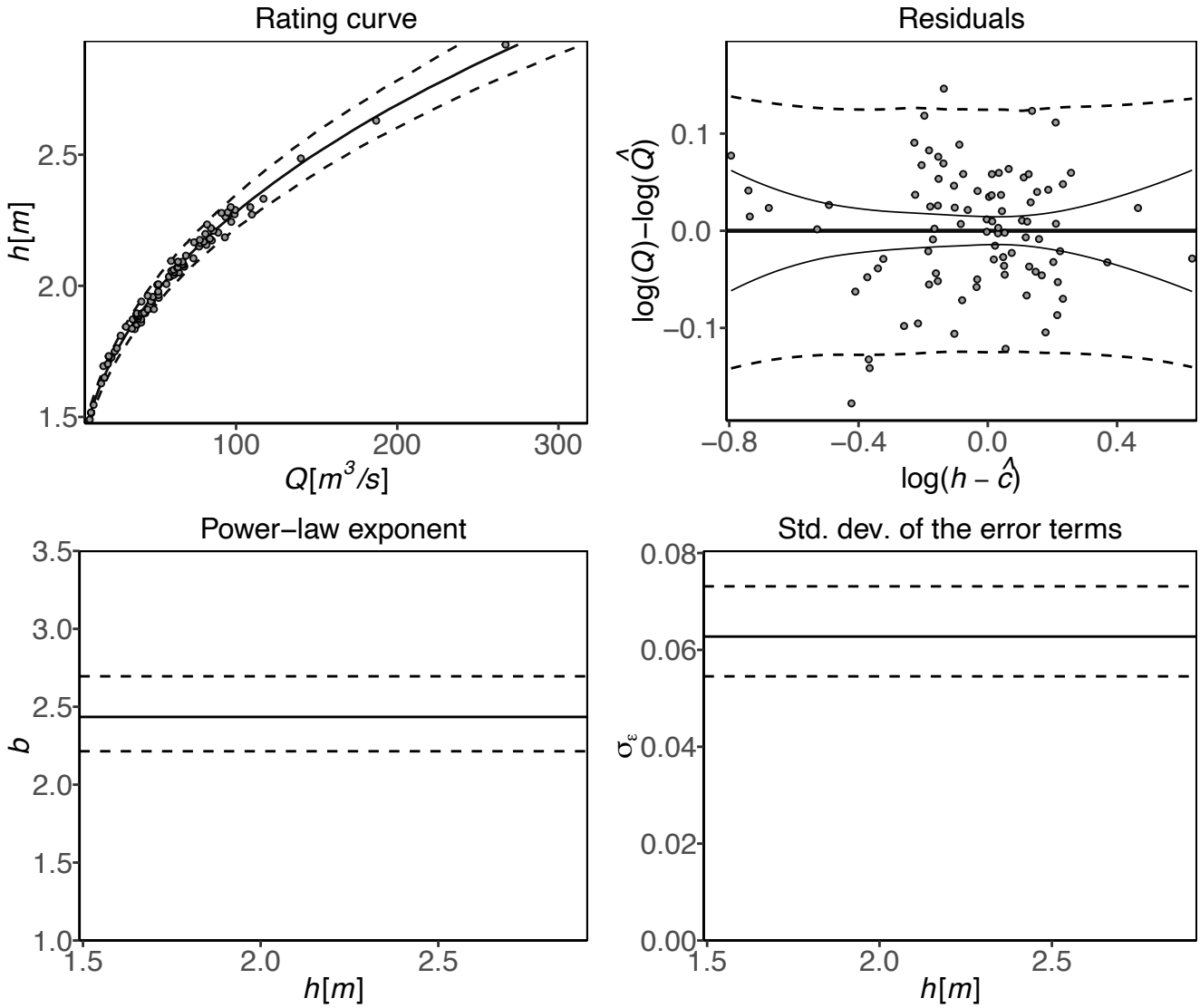
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	63.96	[43.15; 101.18]	1040	1.01
b	1.84	[1.83; 1.84]	7173	1.00
c	1.07	[0.92; 1.29]	915	1.01
σ_ε	0.06	[0.05; 0.07]	2444	1.00
σ_β	0.59	[0.37; 0.95]	1918	1.01
ϕ_β	5.55	[0.19; 5145.70]	1222	1.00

Eyjabakkafoss, Iceland – PLM



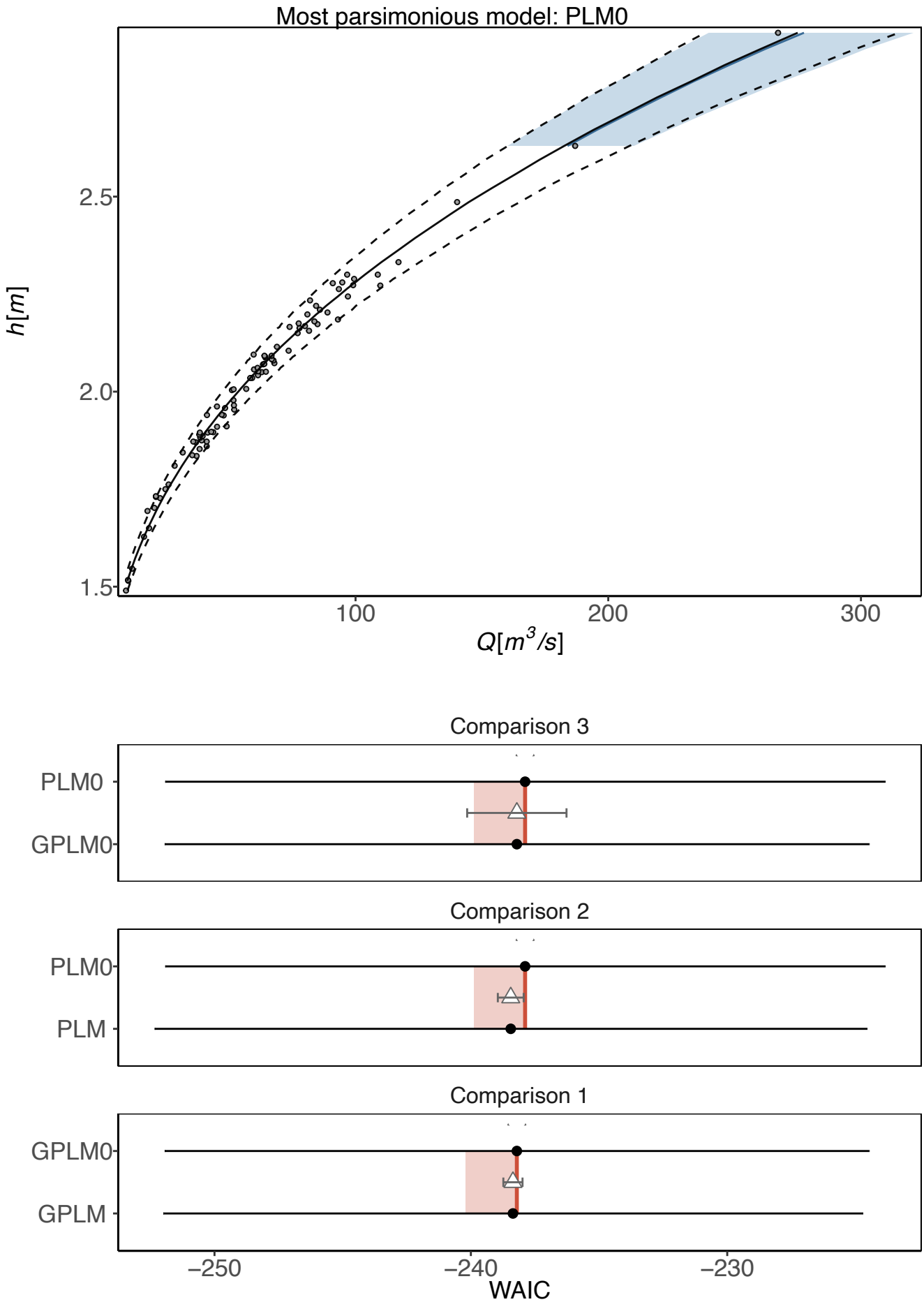
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	59.32	[47.05; 70.60]	2531	1.00
b	2.42	[2.20; 2.68]	2633	1.00
c	1.04	[0.95; 1.11]	2514	1.00
σ_η	0.09	[0.00; 0.48]	1583	1.00
η_1	–5.50	[–5.91; –4.91]	2066	1.00
η_2	–5.39	[–7.26; –3.70]	2163	1.00
η_3	–5.81	[–8.30; –3.27]	2246	1.00
η_4	–6.12	[–9.09; –2.88]	2579	1.00
η_5	–6.19	[–9.64; –2.46]	2546	1.00
η_6	–6.22	[–10.18; –1.92]	2557	1.00

Eyjabakkafoss, Iceland – PLM0



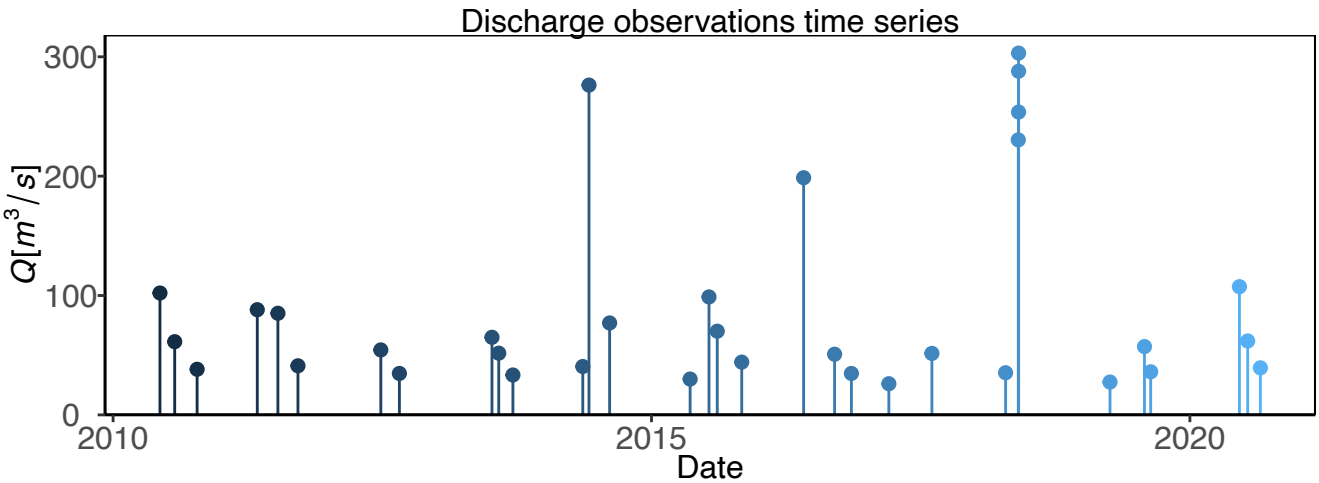
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	58.92	[46.58; 70.29]	9997	1.00
b	2.43	[2.21; 2.70]	10454	1.00
c	1.04	[0.95; 1.11]	10097	1.00
σ_ε	0.06	[0.05; 0.07]	10536	1.00

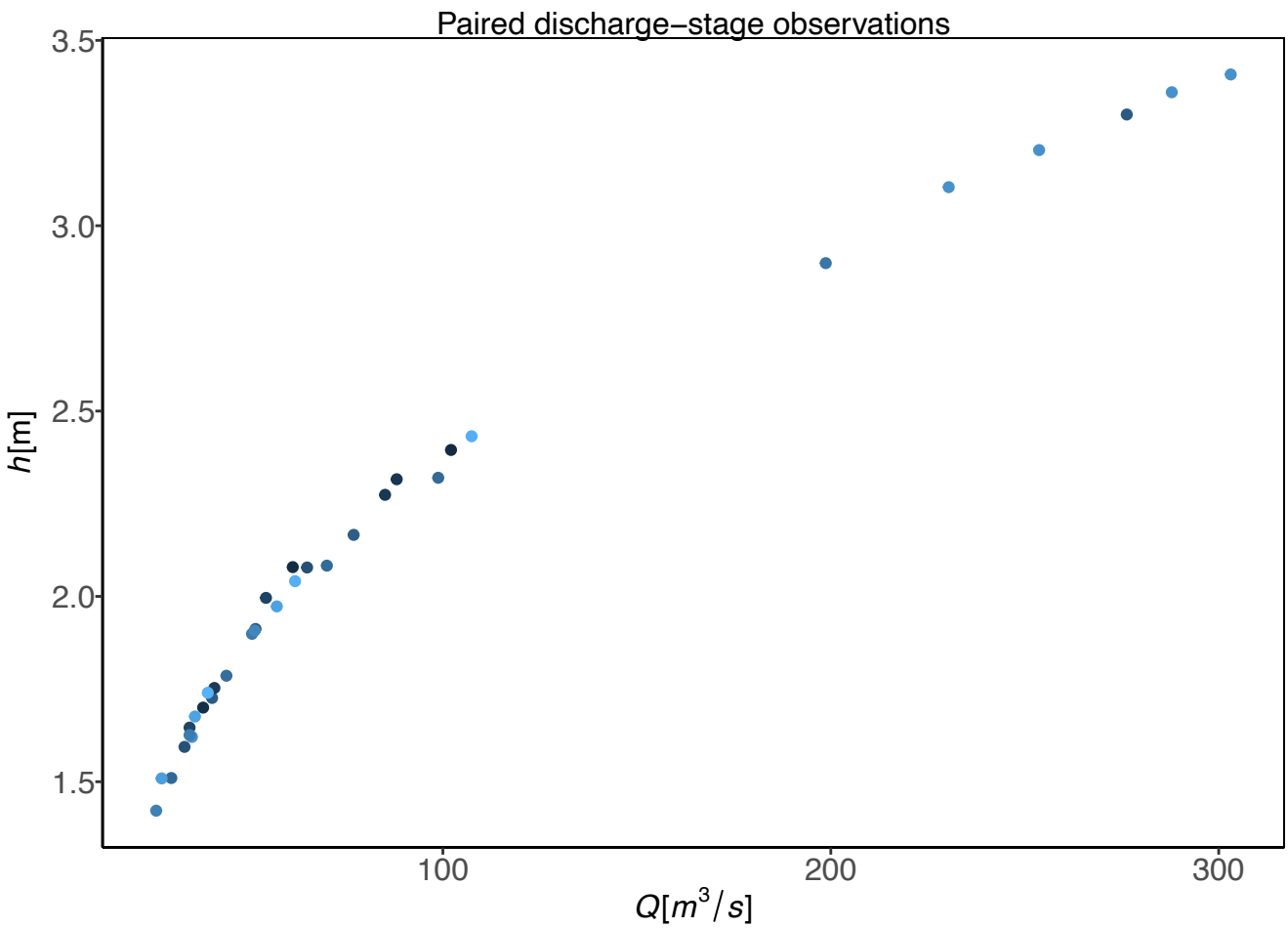
Power−law tournament results for Eyjabakkafoss, Iceland



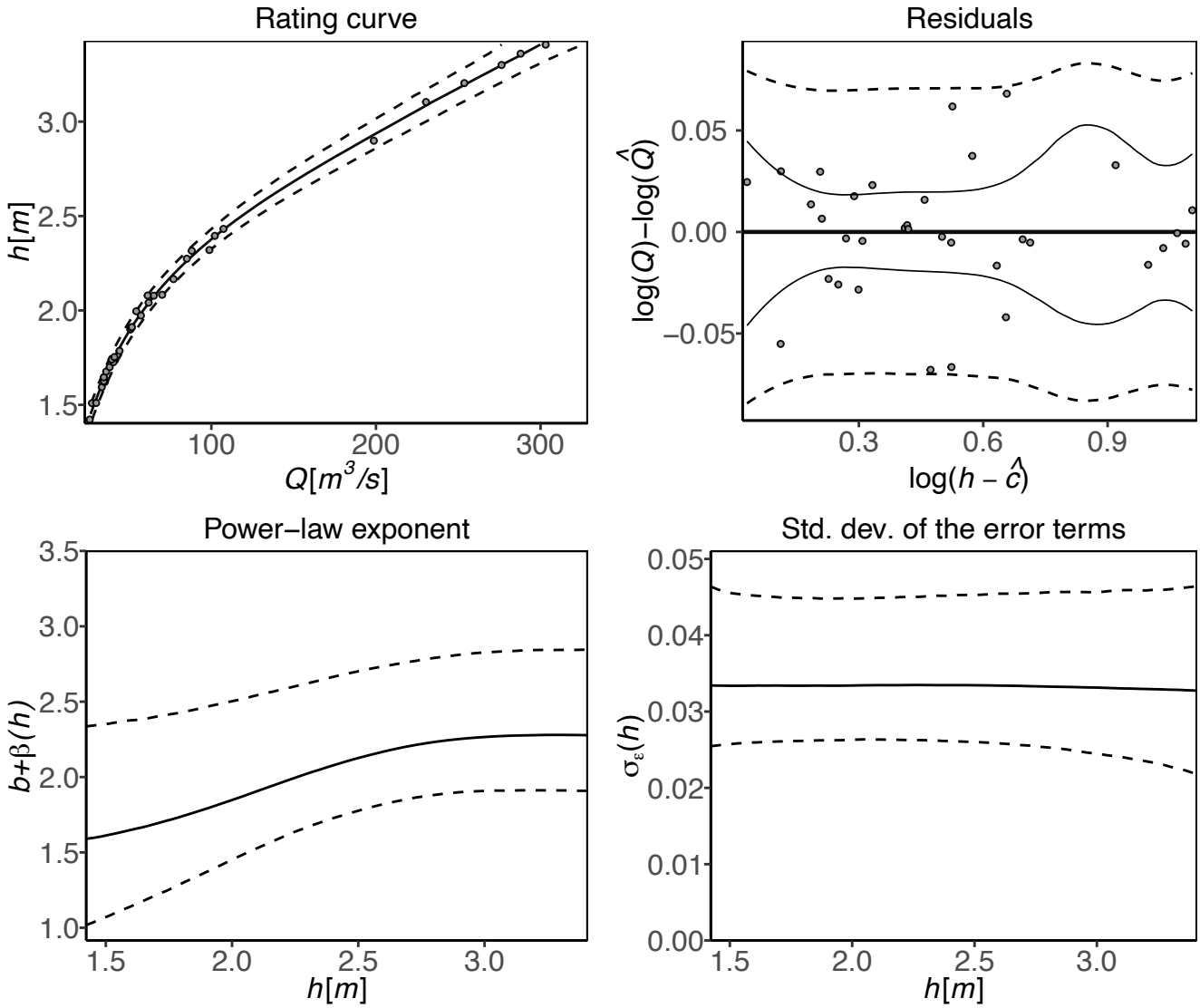
Station name:	Aldeyjarfoss
Location:	Iceland
Station number:	V238
Number of observations:	34
Start date:	2010–06–09
End date:	2020–08–27
Max. discharge (m^3/s):	303.1
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.06	0.49
GPLM0	0.00	0.51
PLM	24.74	0.00
PLM0	24.54	0.00



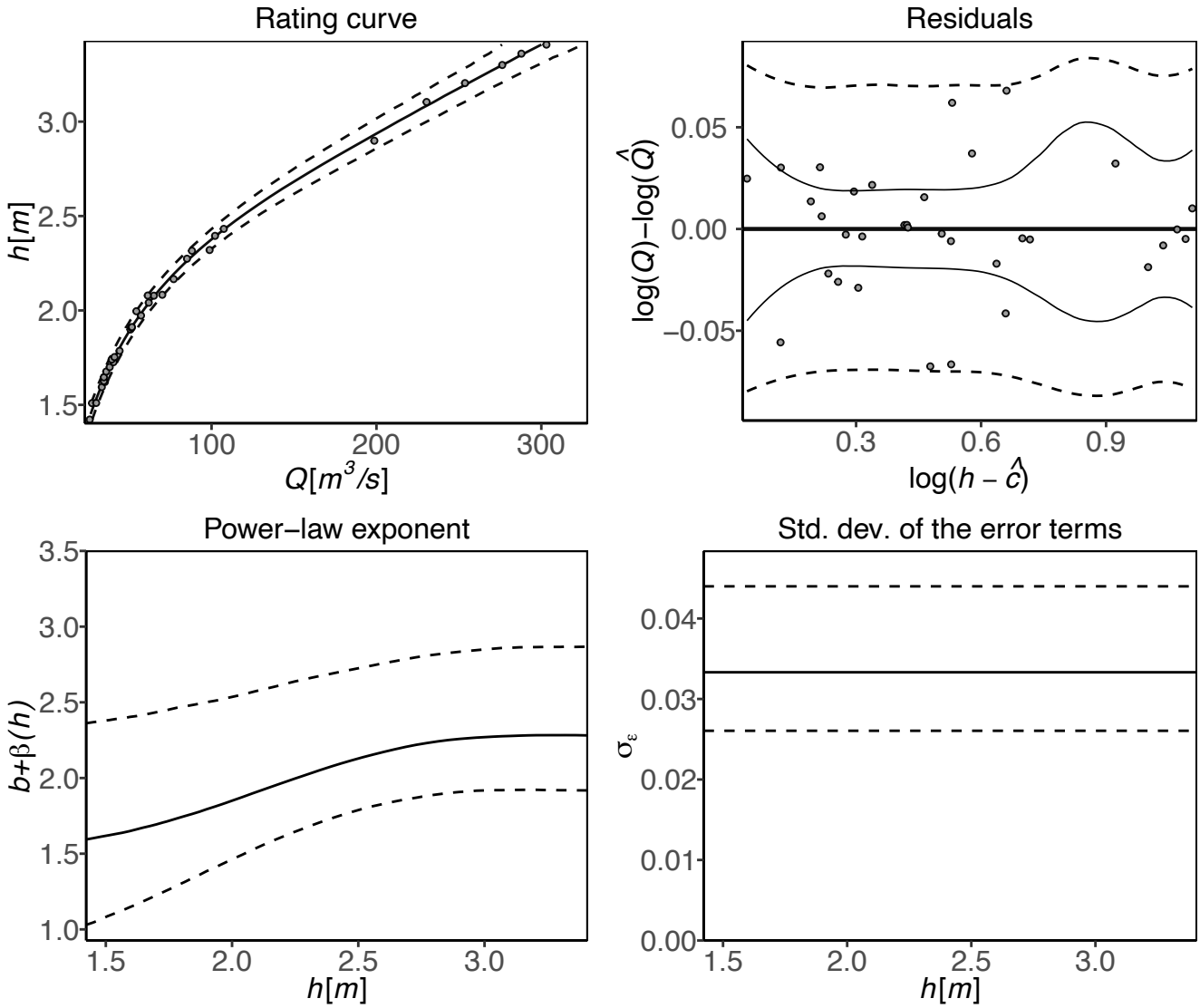


Aldeyjarfoss, Iceland – GPLM



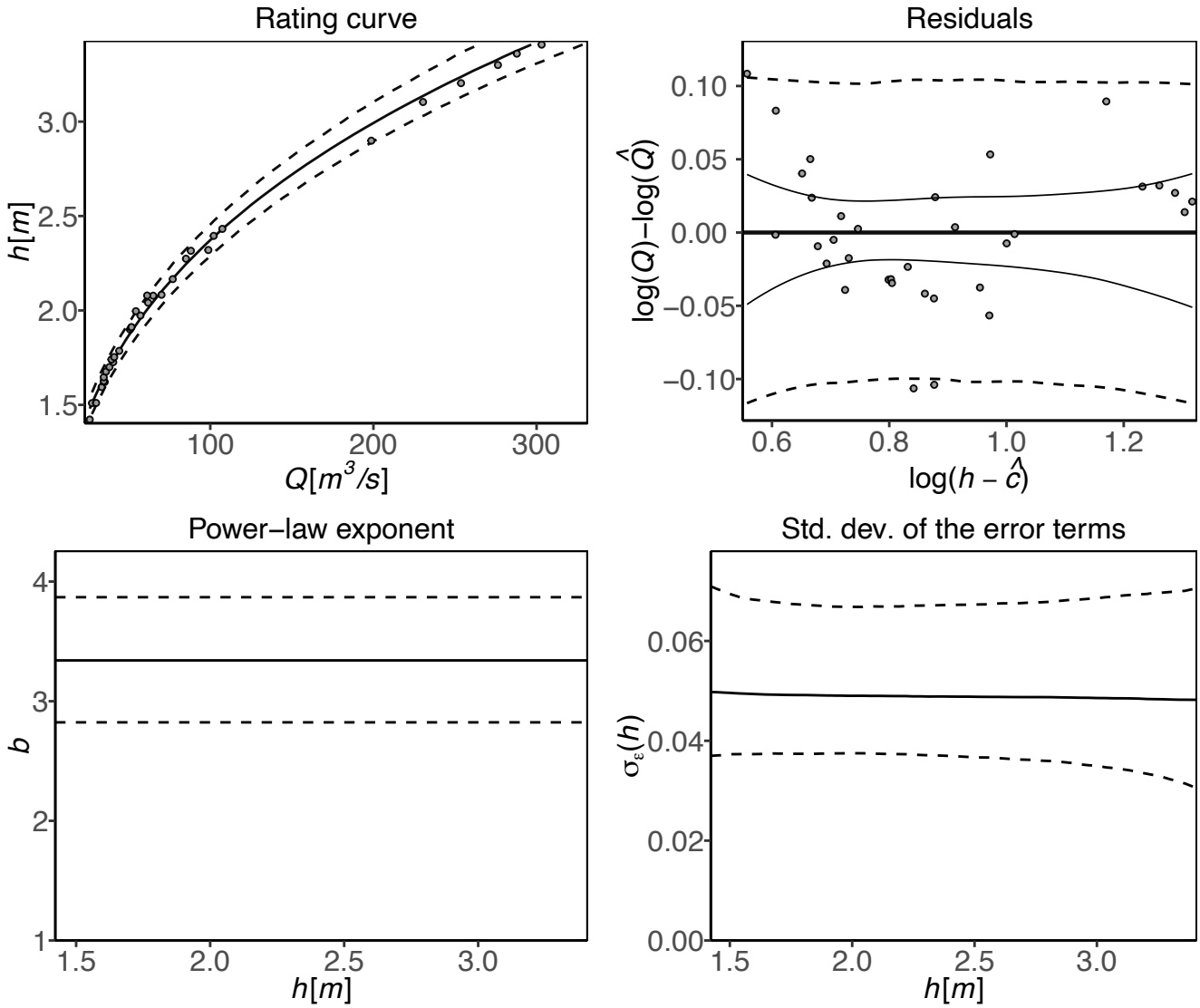
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.17	[6.50; 53.02]	1669	1.00
b	1.83	[1.83; 1.84]	10237	1.00
c	0.39	[−0.48; 0.93]	1470	1.00
σ_β	0.41	[0.19; 0.93]	2330	1.00
ϕ_β	1.73	[0.75; 3.63]	2285	1.00
σ_η	0.08	[0.00; 0.44]	1557	1.00
η_1	−6.80	[−7.34; −6.14]	2065	1.01
η_2	−6.83	[−8.67; −4.90]	2203	1.00
η_3	−6.75	[−9.35; −4.27]	2446	1.00
η_4	−6.84	[−9.97; −3.66]	2225	1.00
η_5	−7.04	[−10.76; −3.20]	2456	1.00
η_6	−7.20	[−11.44; −2.86]	2379	1.00

Aldeyjarfoss, Iceland – GPLM0



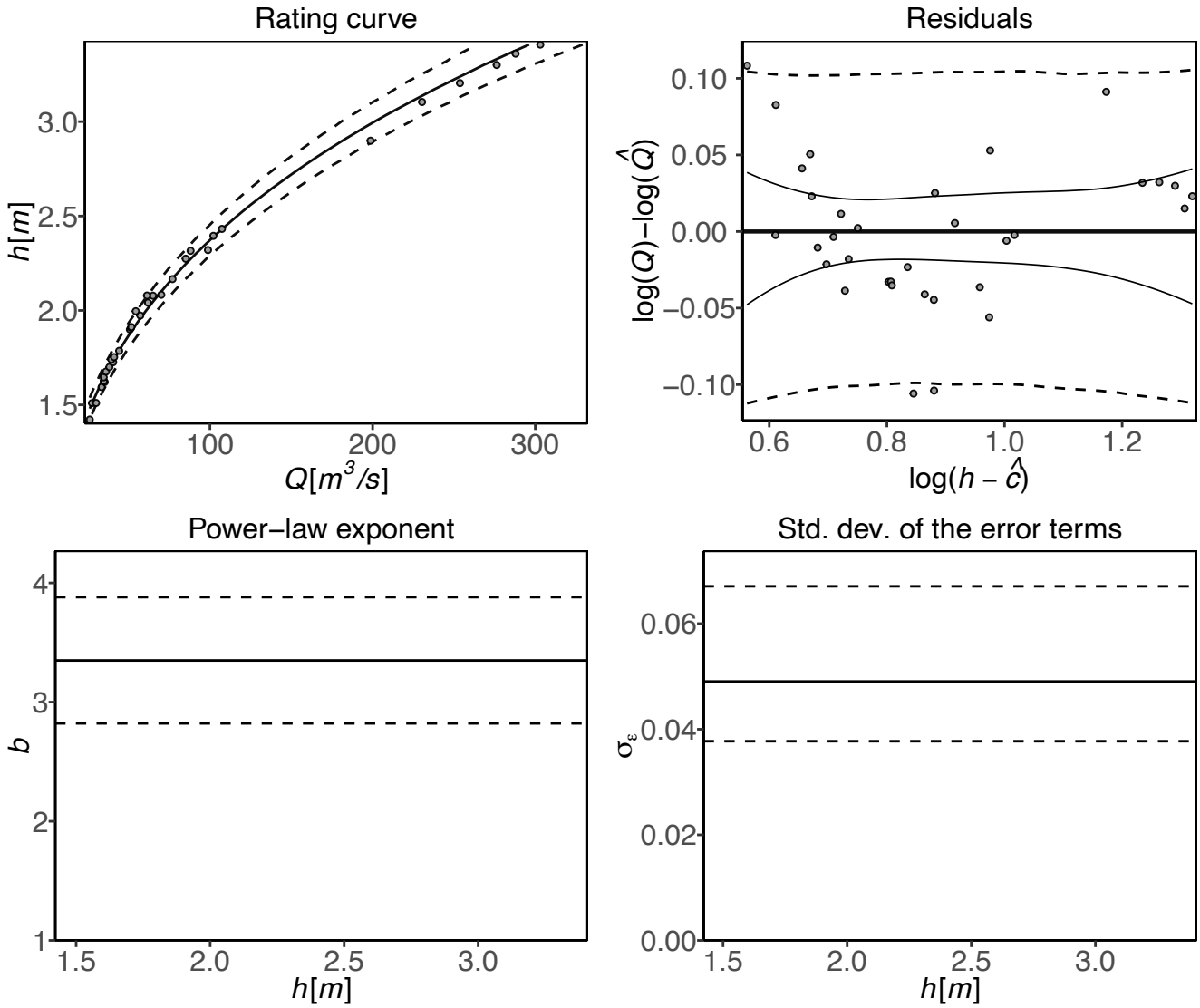
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	23.96	[6.08; 52.53]	3848	1.00
b	1.84	[1.83; 1.84]	13098	1.00
c	0.38	[–0.52; 0.93]	3220	1.00
σ_ε	0.03	[0.03; 0.04]	5328	1.00
σ_β	0.64	[0.44; 0.97]	4932	1.00
ϕ_β	1.73	[0.76; 3.76]	5167	1.00

Aldeyjarfoss, Iceland – PLM



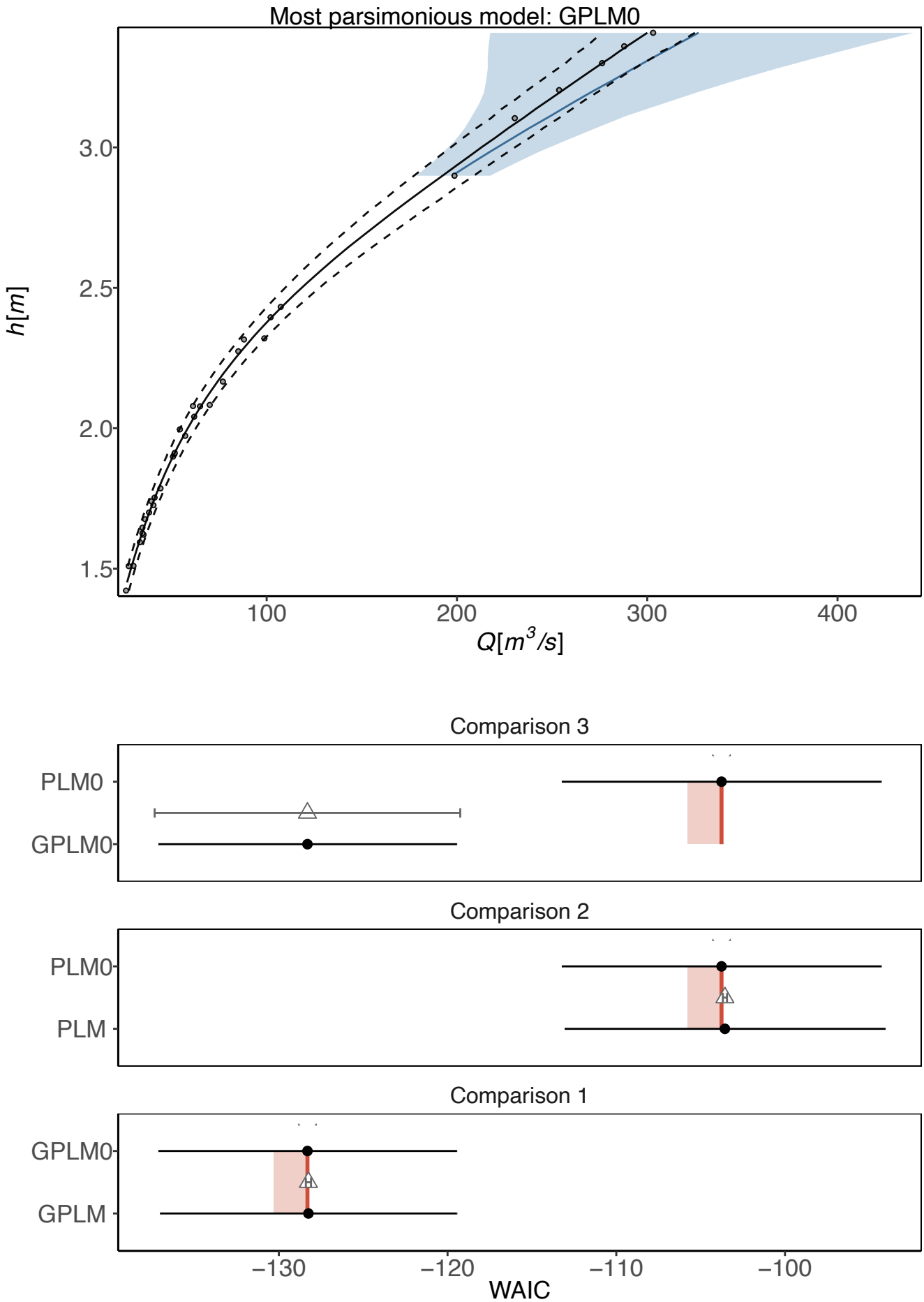
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.65	[1.25; 9.50]	2601	1.00
b	3.34	[2.82; 3.87]	2614	1.00
c	–0.32	[–0.72; 0.06]	2538	1.00
σ_η	0.09	[0.00; 0.44]	1816	1.00
η_1	–6.00	[–6.59; –5.29]	2233	1.00
η_2	–6.16	[–7.98; –4.25]	2784	1.00
η_3	–6.18	[–8.73; –3.52]	2808	1.00
η_4	–6.23	[–9.38; –2.95]	2679	1.00
η_5	–6.33	[–10.01; –2.33]	2615	1.00
η_6	–6.45	[–10.62; –2.02]	2742	1.00

Aldeyjarfoss, Iceland – PLM0



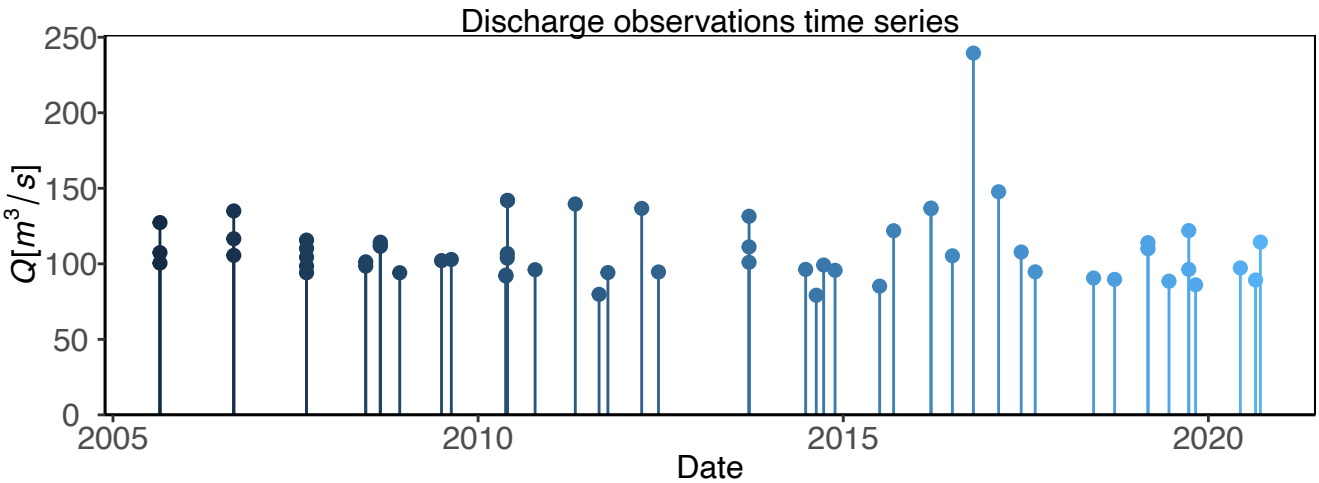
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.56	[1.22; 9.59]	9425	1.00
b	3.35	[2.82; 3.88]	9435	1.00
c	–0.33	[–0.74; 0.07]	9199	1.00
σ_ε	0.05	[0.04; 0.07]	9033	1.00

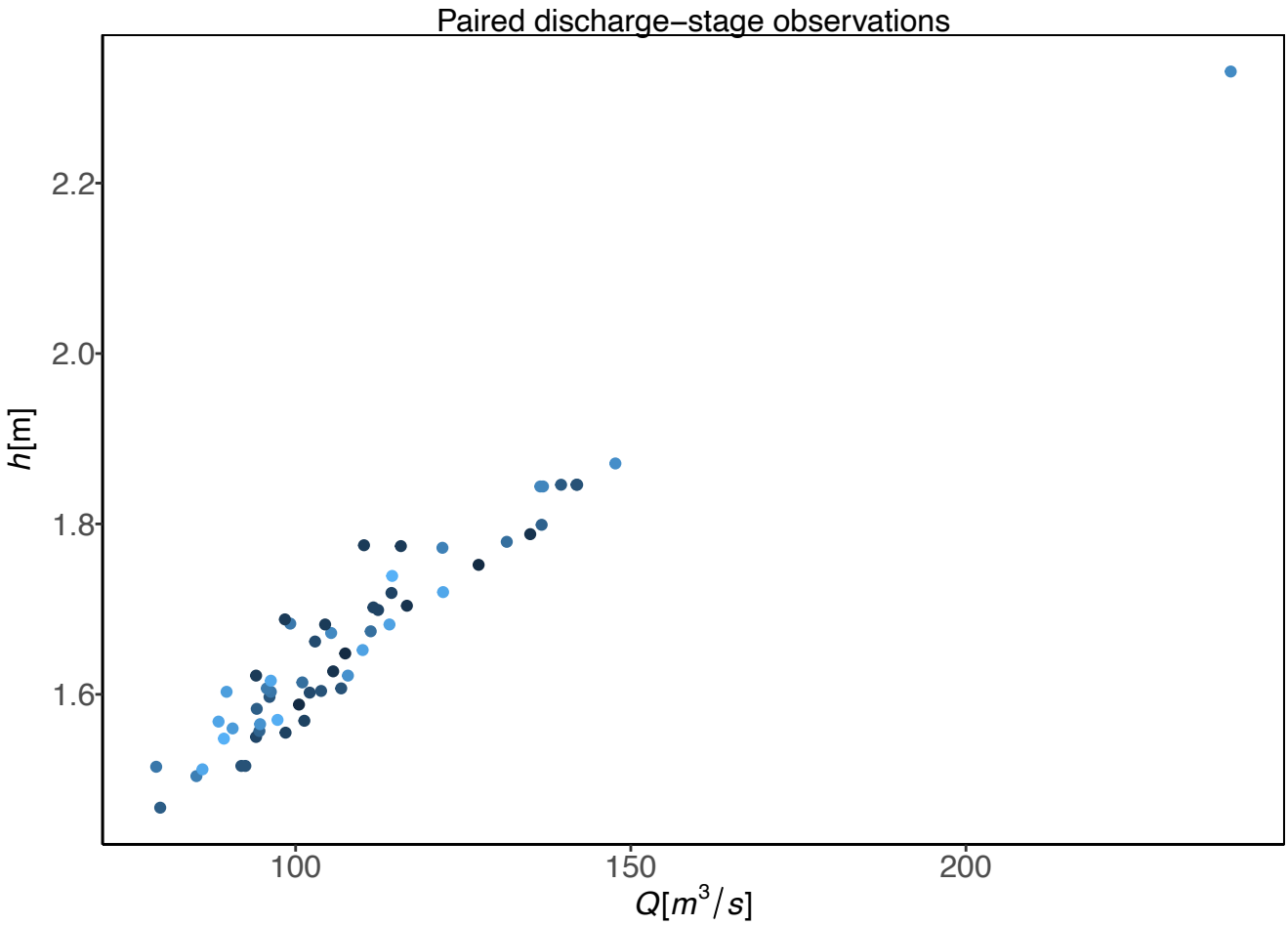
Power−law tournament results for Aldeyjarfoss, Iceland



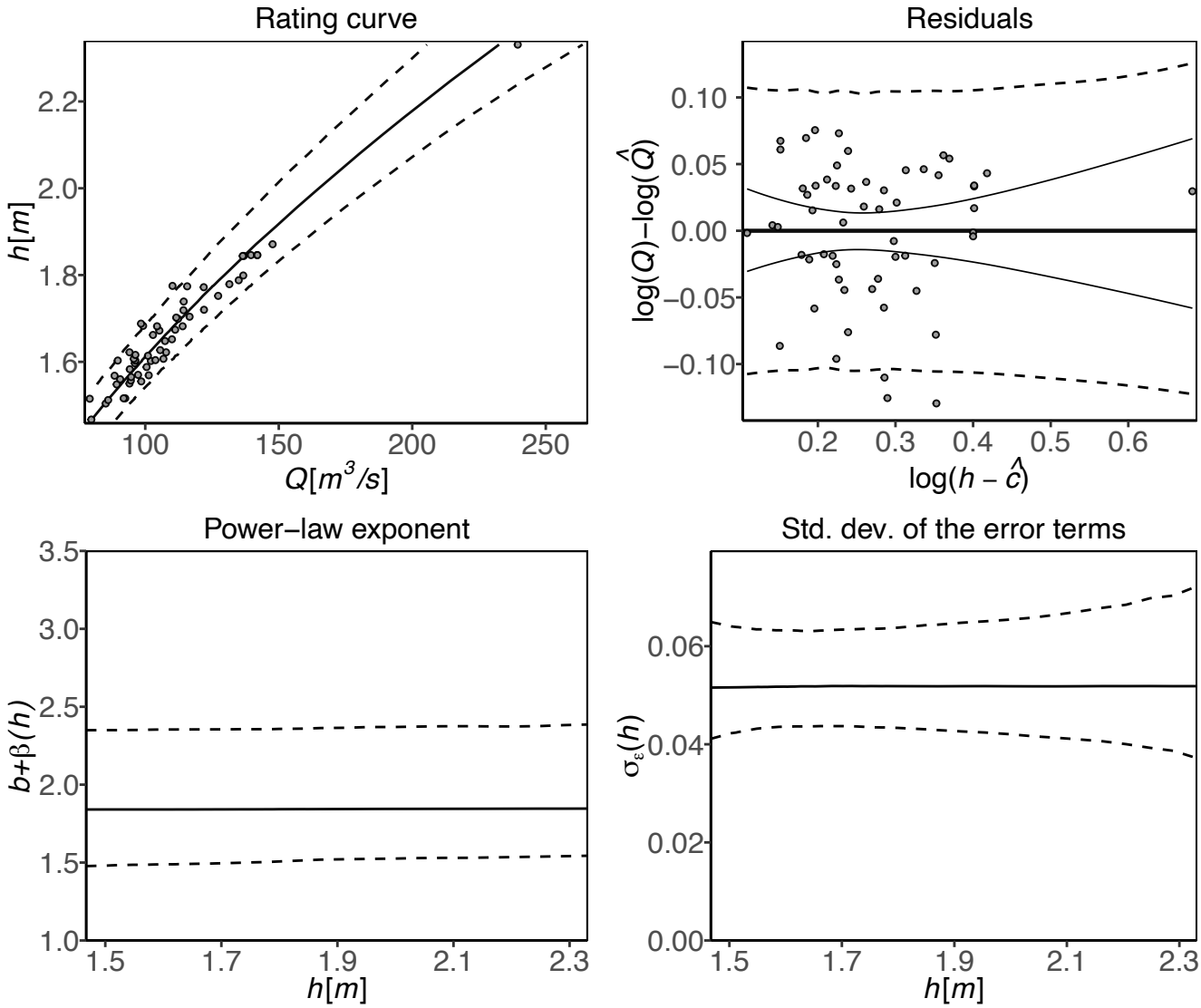
Station name:	Ásgarður
Location:	Iceland
Station number:	V271
Number of observations:	58
Start date:	2005–08–24
End date:	2020–09–17
Max. discharge (m^3/s):	239.5
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.26
GPLM0	0.00	0.26
PLM	0.17	0.23
PLM0	0.01	0.25



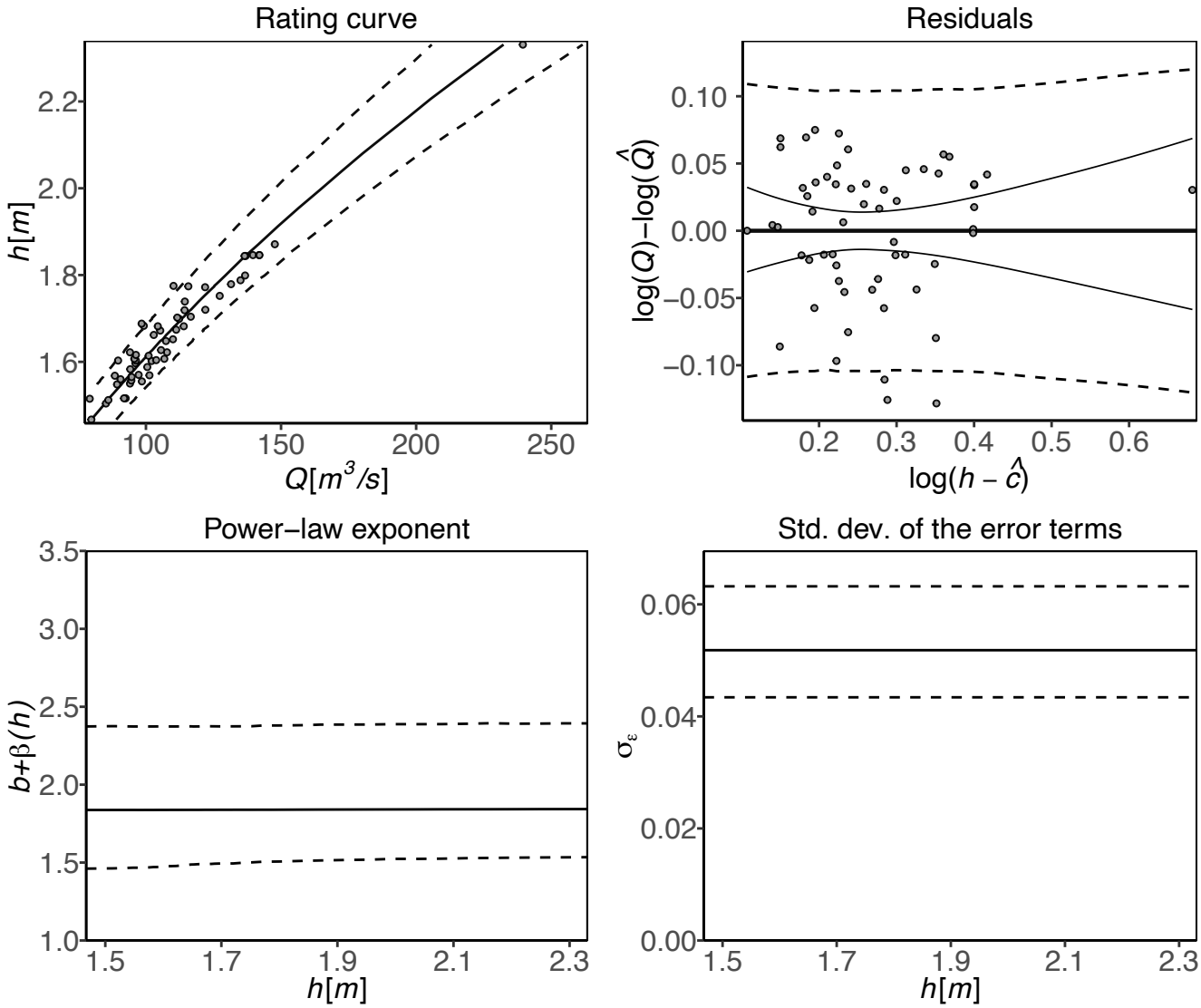


Ásgarður, Iceland – GPLM



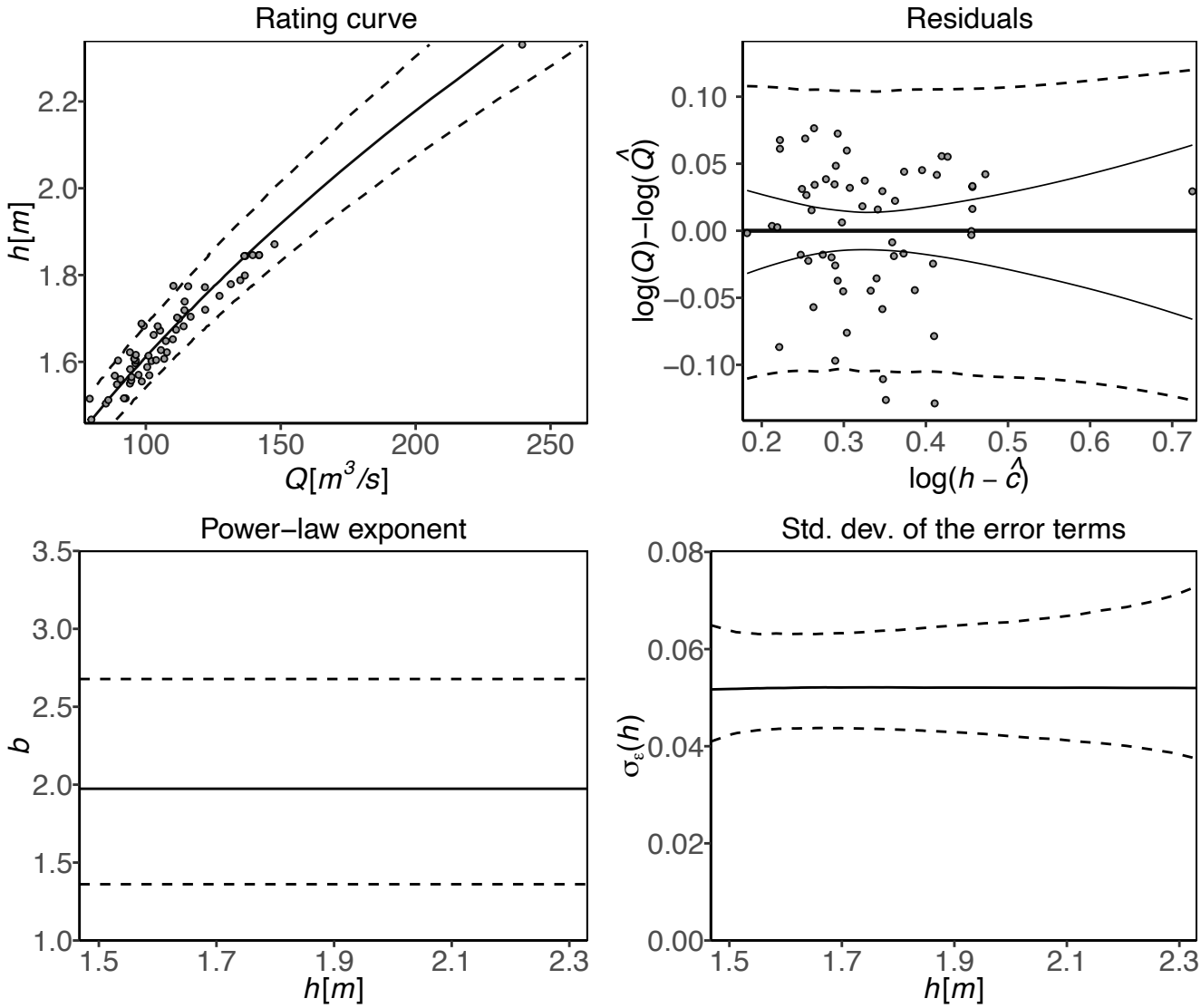
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	65.47	[28.67; 100.20]	999	1.01
b	1.84	[1.83; 1.84]	8792	1.00
c	0.35	[−0.10; 0.61]	986	1.01
σ_β	0.12	[0.00; 0.59]	1425	1.00
ϕ_β	15.21	[0.59; 10266.34]	1467	1.01
σ_η	0.08	[0.00; 0.42]	1523	1.00
η_1	−5.93	[−6.38; −5.47]	1876	1.00
η_2	−5.84	[−7.60; −4.09]	2365	1.00
η_3	−5.85	[−8.42; −3.30]	2246	1.00
η_4	−5.87	[−9.11; −2.69]	2278	1.00
η_5	−5.82	[−9.69; −2.09]	2168	1.00
η_6	−5.83	[−10.12; −1.52]	2169	1.00

Ásgarður, Iceland – GPLM0



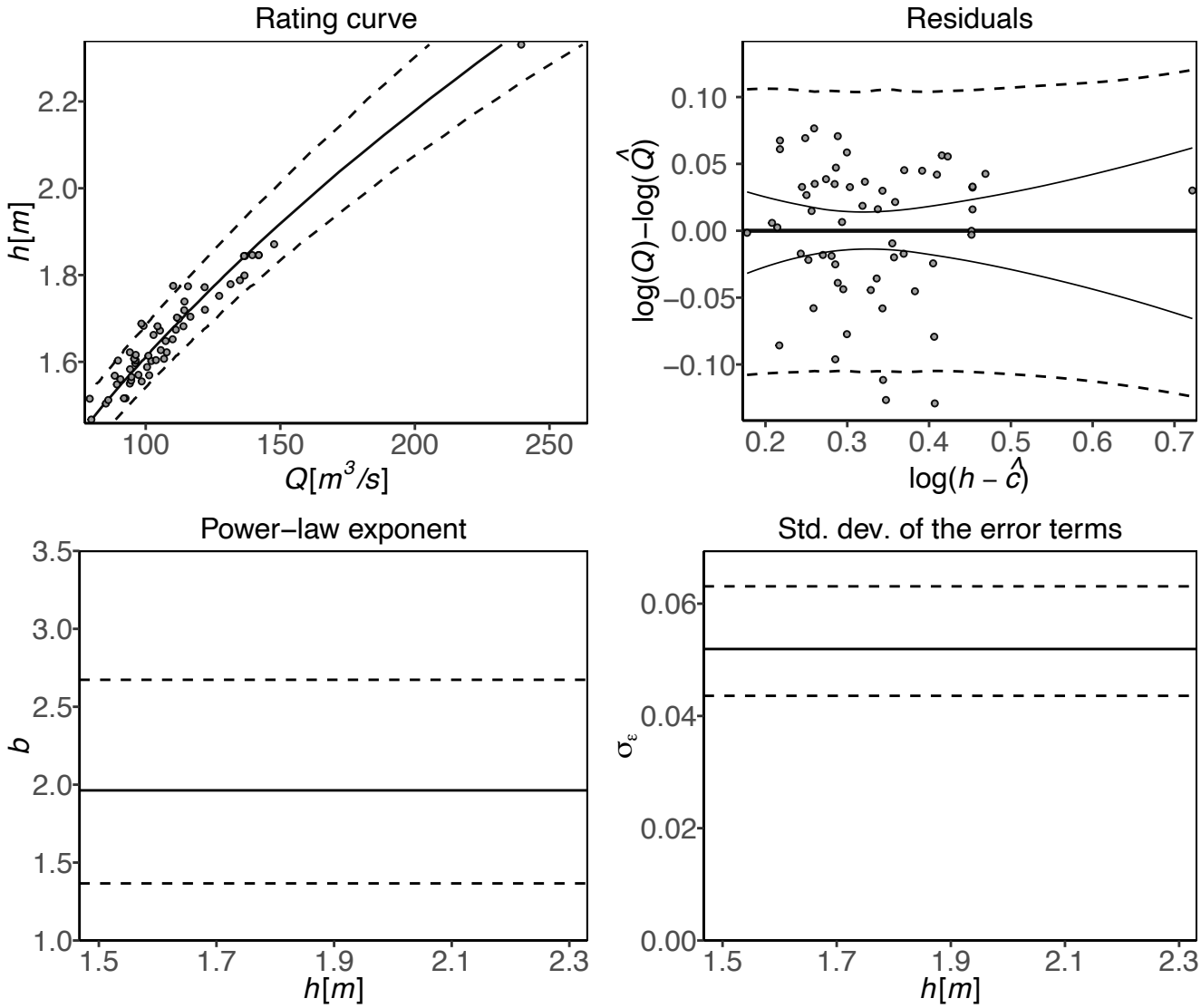
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	65.70	[27.81; 100.78]	1342	1.00
b	1.84	[1.83; 1.84]	12323	1.00
c	0.35	[–0.12; 0.62]	1410	1.00
σ_ε	0.05	[0.04; 0.06]	4552	1.00
σ_β	0.35	[0.07; 0.80]	2750	1.00
ϕ_β	16.28	[0.61; 12852.76]	3233	1.00

Ásgarður, Iceland – PLM



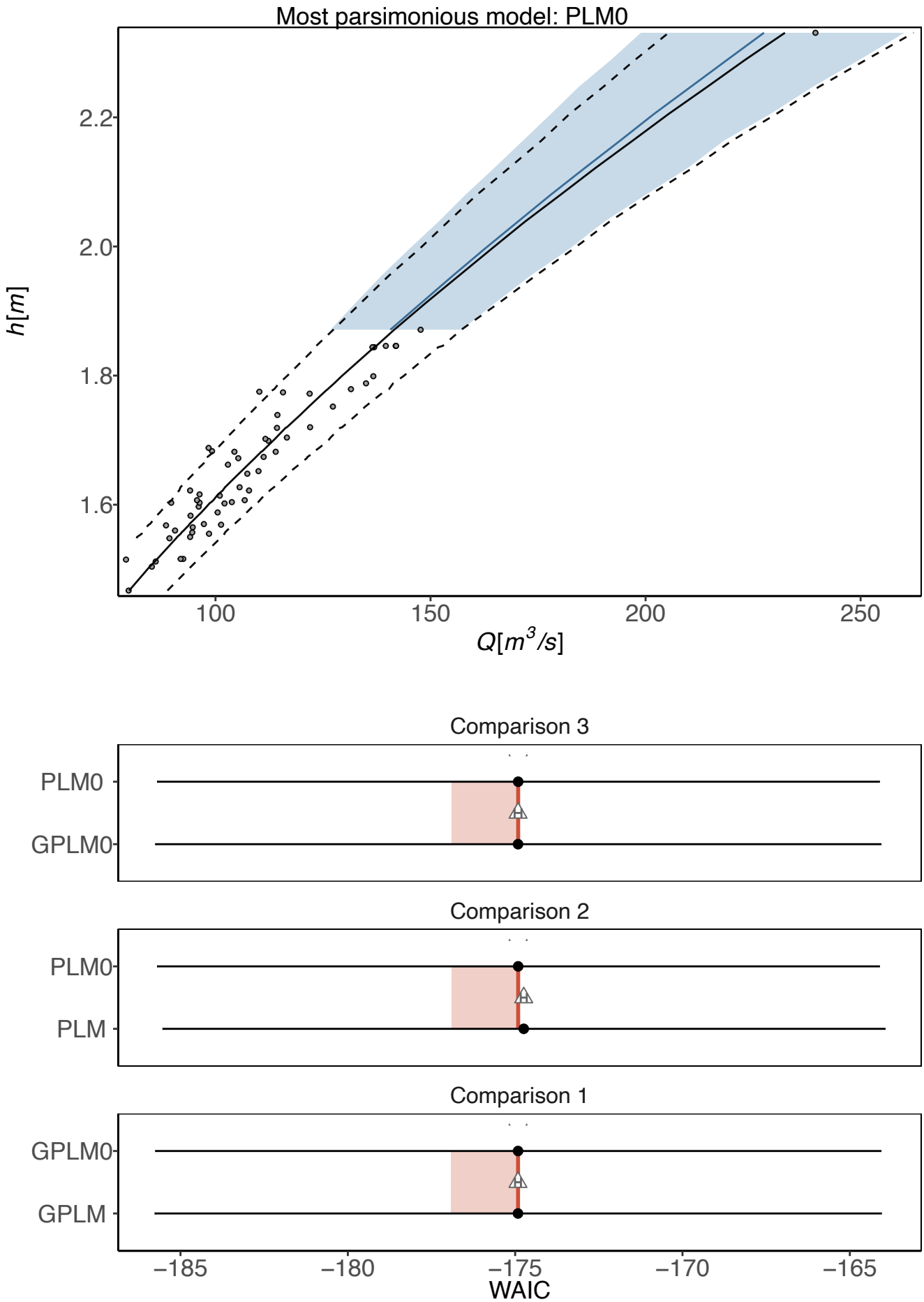
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	55.86	[18.34; 116.92]	2649	1.00
b	1.97	[1.36; 2.68]	2683	1.00
c	0.27	[−0.28; 0.72]	2475	1.00
σ_η	0.08	[0.00; 0.41]	1655	1.00
η_1	−5.92	[−6.39; −5.47]	2125	1.00
η_2	−5.81	[−7.65; −4.06]	2565	1.00
η_3	−5.78	[−8.40; −3.22]	2888	1.00
η_4	−5.81	[−9.01; −2.58]	2749	1.00
η_5	−5.82	[−9.56; −1.99]	2841	1.00
η_6	−5.83	[−10.08; −1.51]	2780	1.00

Ásgarður, Iceland – PLM0



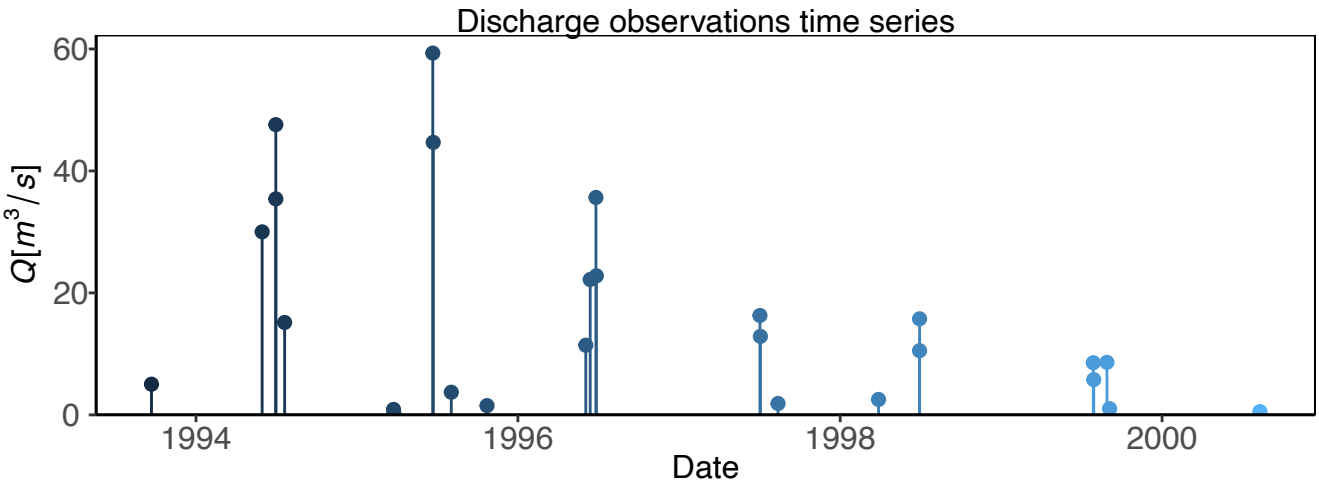
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	56.52	[18.74; 117.89]	9278	1.00
b	1.96	[1.37; 2.67]	9079	1.00
c	0.27	[−0.27; 0.72]	8742	1.00
σ_ε	0.05	[0.04; 0.06]	9700	1.00

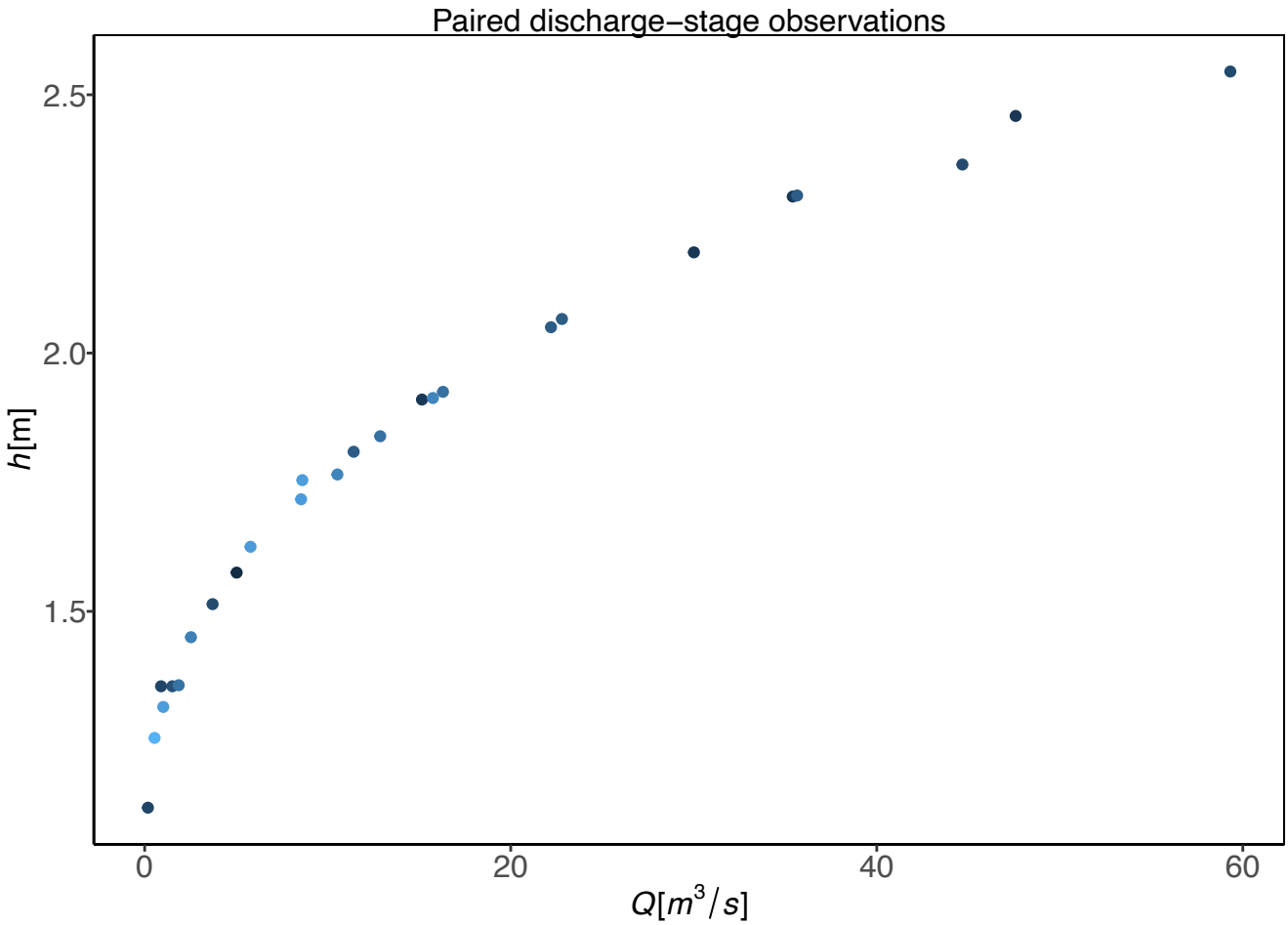
Power−law tournament results for Ásgarður, Iceland



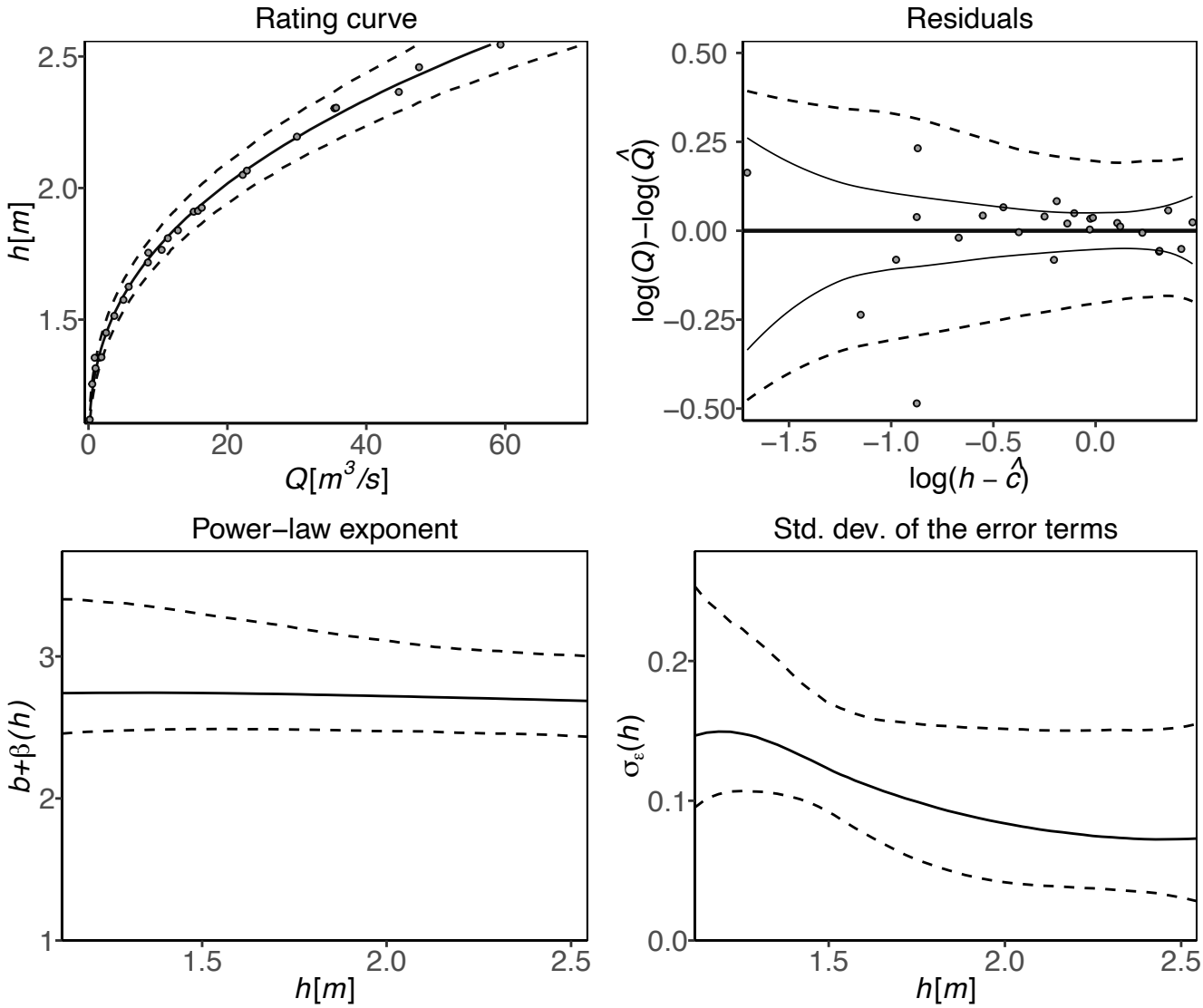
Station name:	Geitdalur
Location:	Iceland
Station number:	V275
Number of observations:	26
Start date:	1993–09–22
End date:	2000–08–10
Max. discharge (m^3/s):	59.3
Tournament winner:	PLM

	dWAIC	Akaike weights
GPLM	0.00	0.71
GPLM0	11.38	0.00
PLM	1.81	0.29
PLM0	12.33	0.00



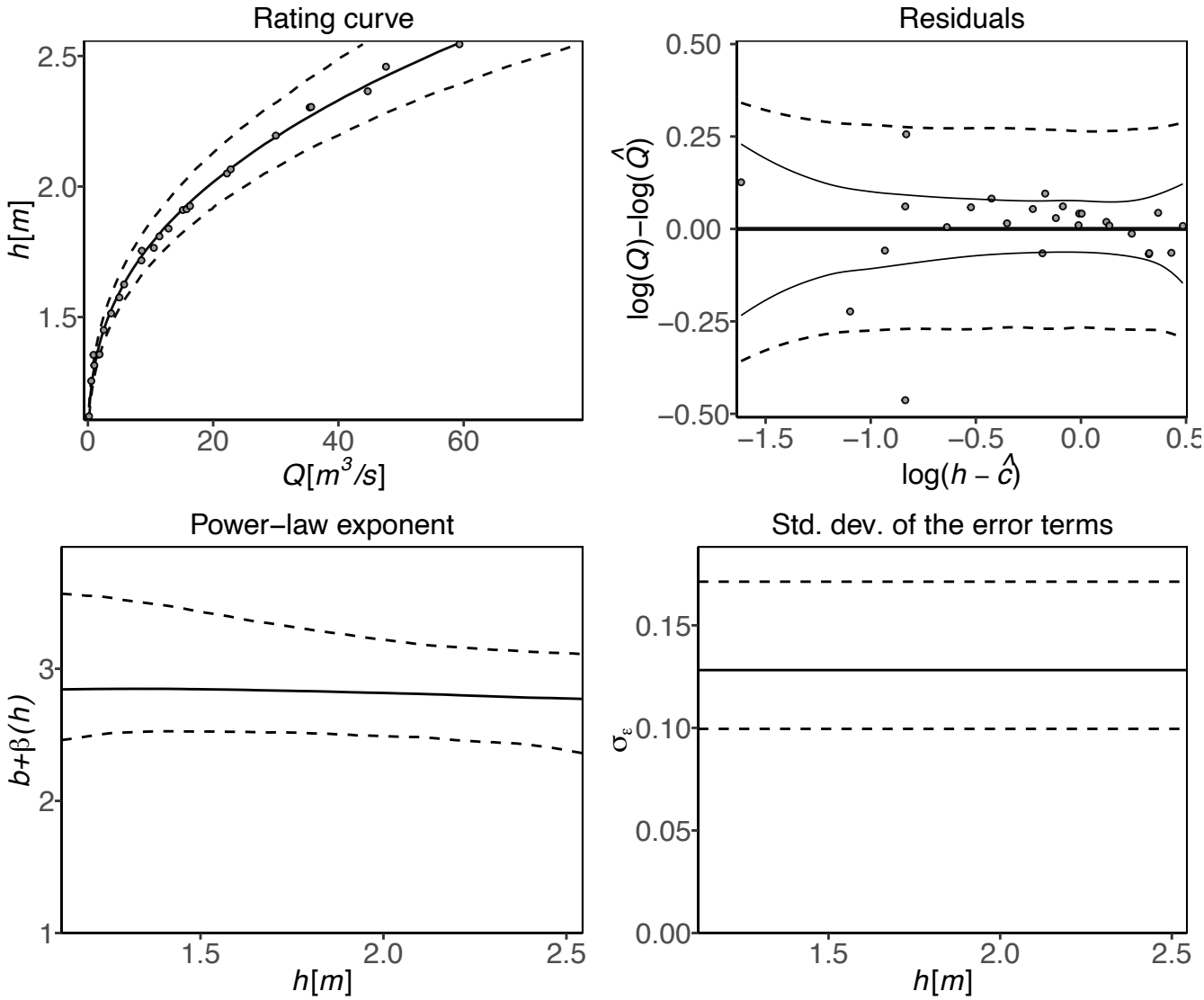


Geitdalur, Iceland – GPLM



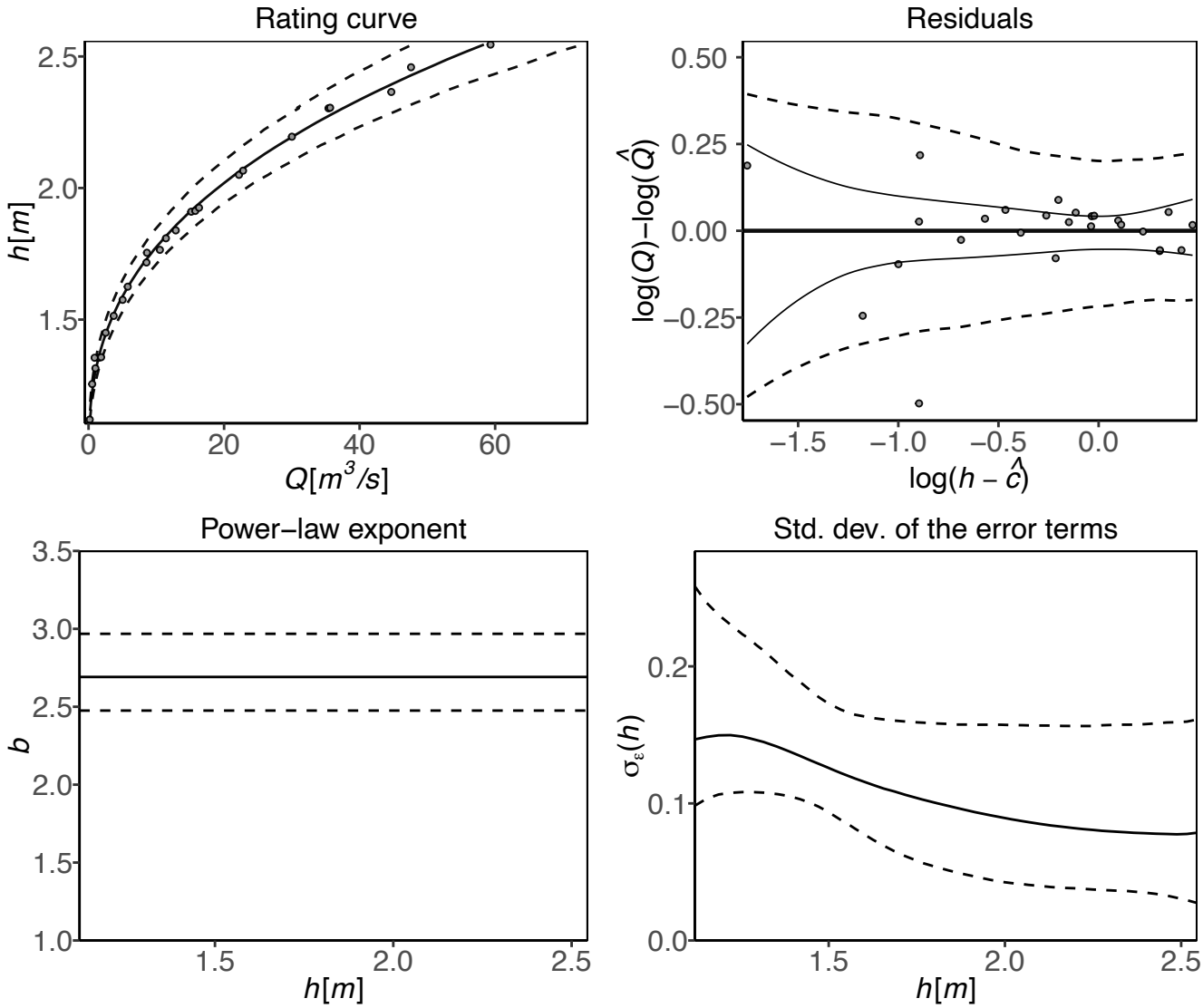
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.23	[12.09; 19.08]	1667	1.00
b	1.84	[1.83; 1.84]	9409	1.00
c	0.94	[0.83; 0.99]	1725	1.00
σ_β	0.55	[0.29; 1.12]	2247	1.00
ϕ_β	16.34	[1.03; 10094.35]	1262	1.00
σ_η	0.48	[0.02; 1.12]	813	1.07
η_1	–3.84	[–4.70; –2.75]	1972	1.01
η_2	–3.58	[–5.47; –2.20]	1660	1.00
η_3	–5.06	[–7.06; –2.74]	1322	1.02
η_4	–6.32	[–8.76; –2.83]	1460	1.02
η_5	–6.61	[–9.58; –2.53]	2002	1.00
η_6	–6.68	[–10.23; –2.38]	2183	1.00

Geitdalur, Iceland – GPLM0



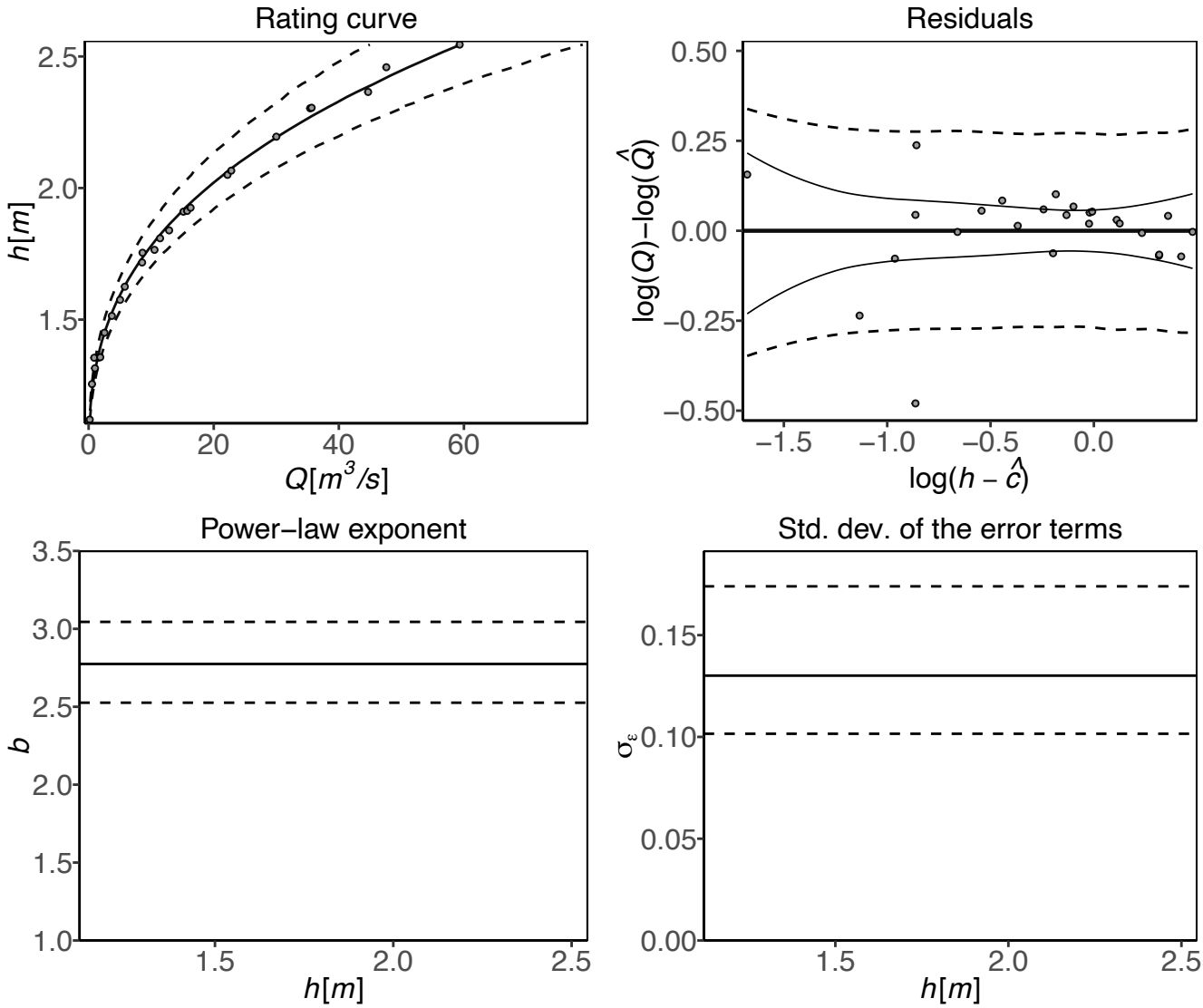
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	15.37	[11.22; 18.53]	3010	1.00
b	1.84	[1.83; 1.84]	8532	1.00
c	0.92	[0.81; 0.98]	2329	1.00
σ_ε	0.13	[0.10; 0.17]	4182	1.00
σ_β	0.77	[0.56; 1.10]	4429	1.00
ϕ_β	11.77	[0.76; 7703.99]	2214	1.00

Geitdalur, Iceland – PLM



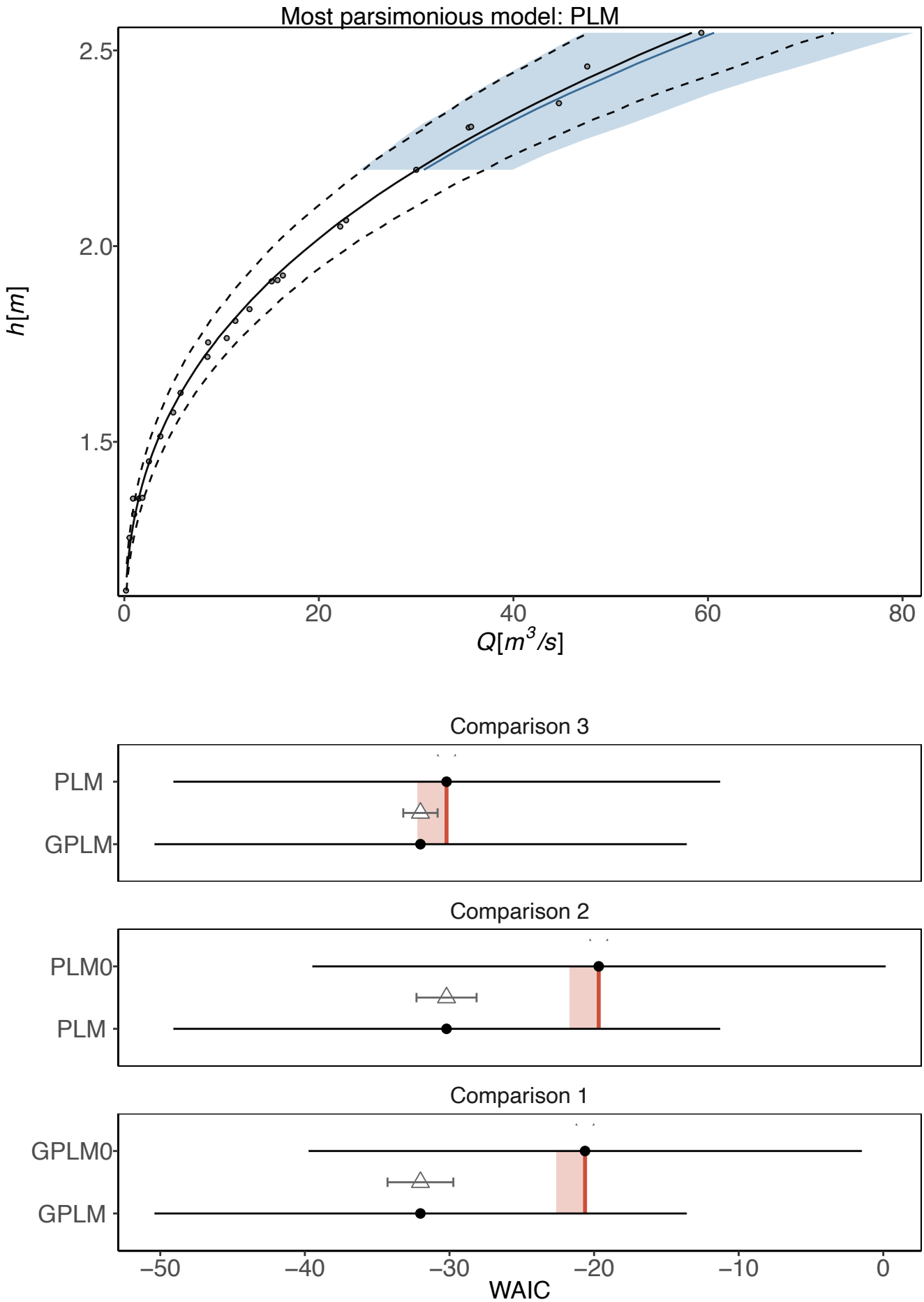
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	16.53	[13.88; 19.03]	2155	1.02
b	2.69	[2.48; 2.97]	2178	1.02
c	0.95	[0.89; 0.99]	2091	1.02
σ_η	0.44	[0.01; 1.12]	789	1.21
η_1	–3.84	[–4.64; –2.71]	1975	1.02
η_2	–3.57	[–5.42; –2.16]	2020	1.00
η_3	–4.95	[–7.06; –2.42]	1313	1.07
η_4	–6.17	[–8.58; –2.33]	1481	1.05
η_5	–6.38	[–9.34; –1.99]	2528	1.00
η_6	–6.51	[–9.96; –1.73]	2706	1.00

Geitdalur, Iceland – PLM0



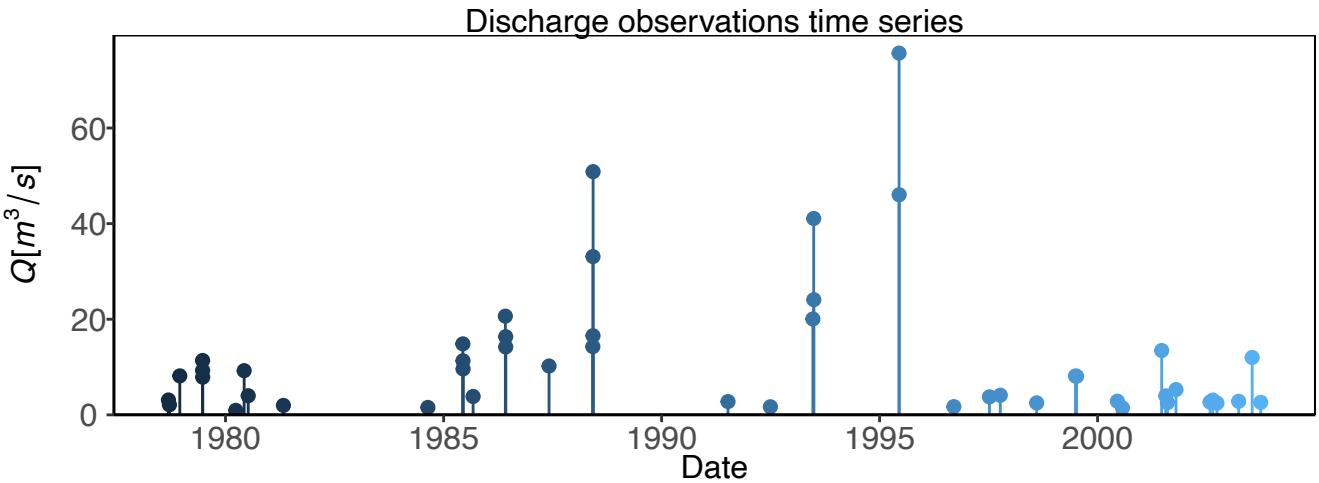
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	15.81	[13.27; 18.16]	9885	1.00
b	2.77	[2.53; 3.04]	9337	1.00
c	0.93	[0.88; 0.98]	8655	1.00
σ_ε	0.13	[0.10; 0.17]	9261	1.00

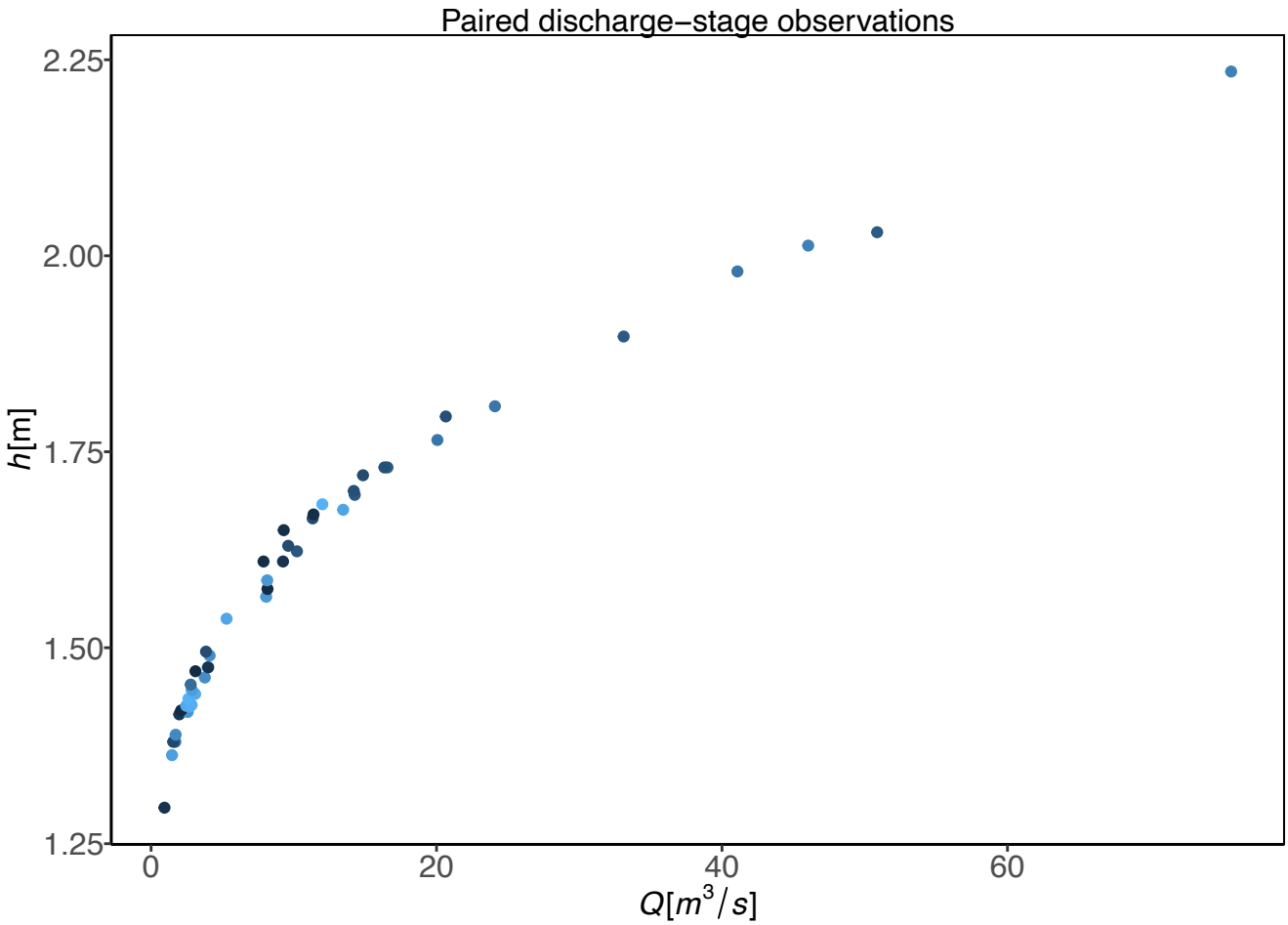
Power−law tournament results for Geitdalur, Iceland



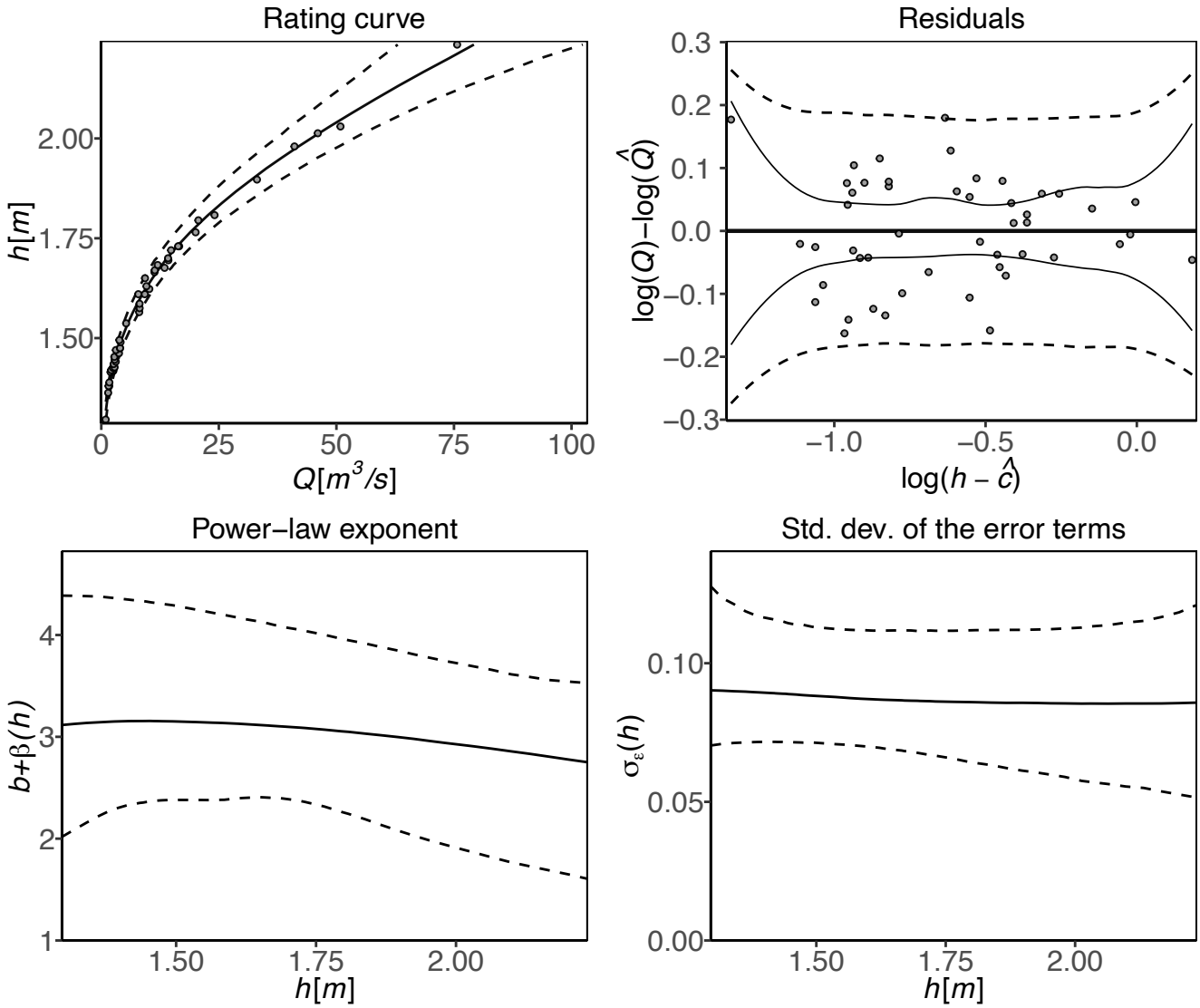
Station name:	Vaðbrekkufoss
Location:	Iceland
Station number:	V288
Number of observations:	48
Start date:	1978–09–10
End date:	2003–09–29
Max. discharge (m^3/s):	75.7
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.65
GPLM0	1.63	0.29
PLM	5.39	0.04
PLM0	6.50	0.03



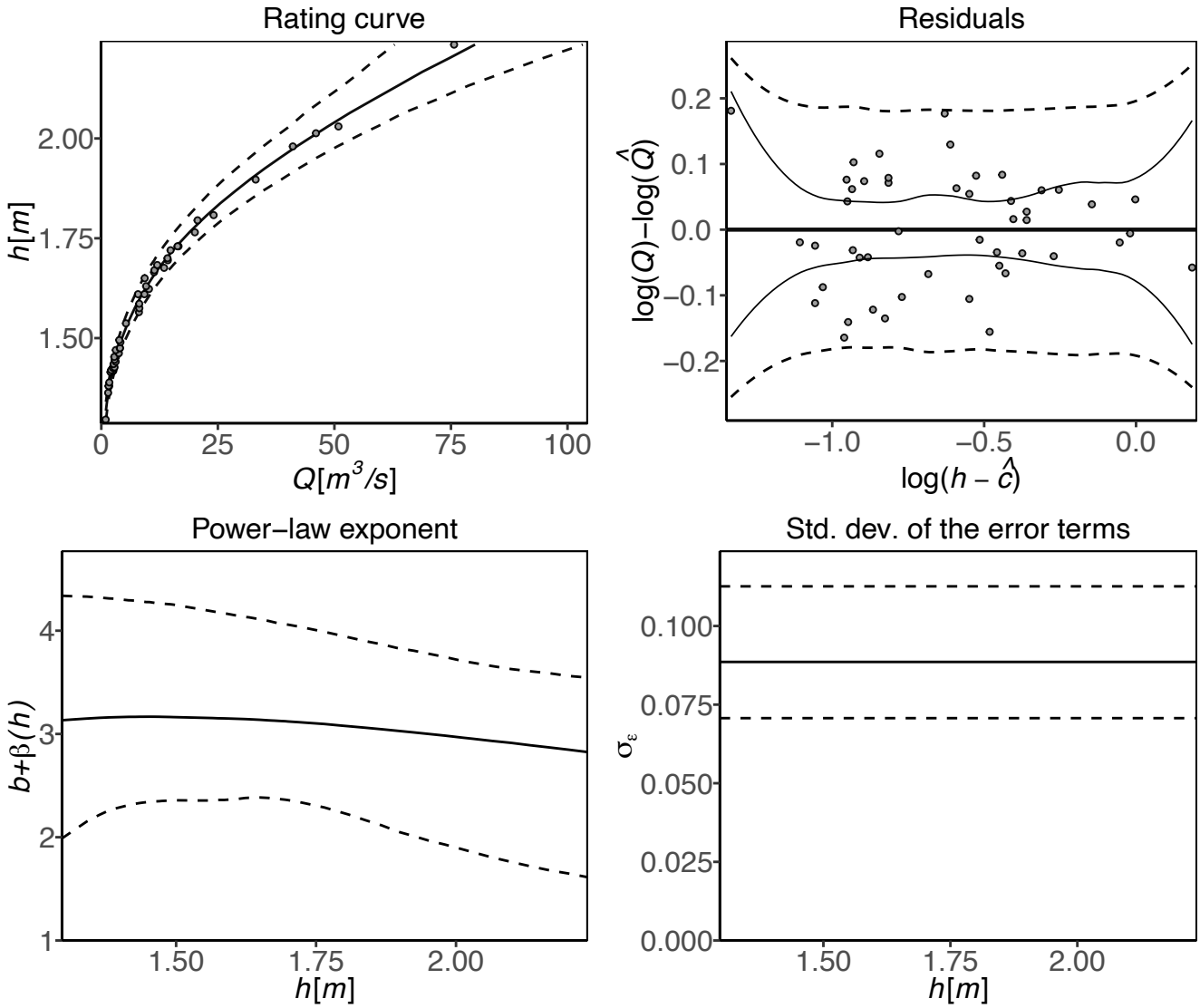


Vaðbrekkufoss, Iceland – GPLM



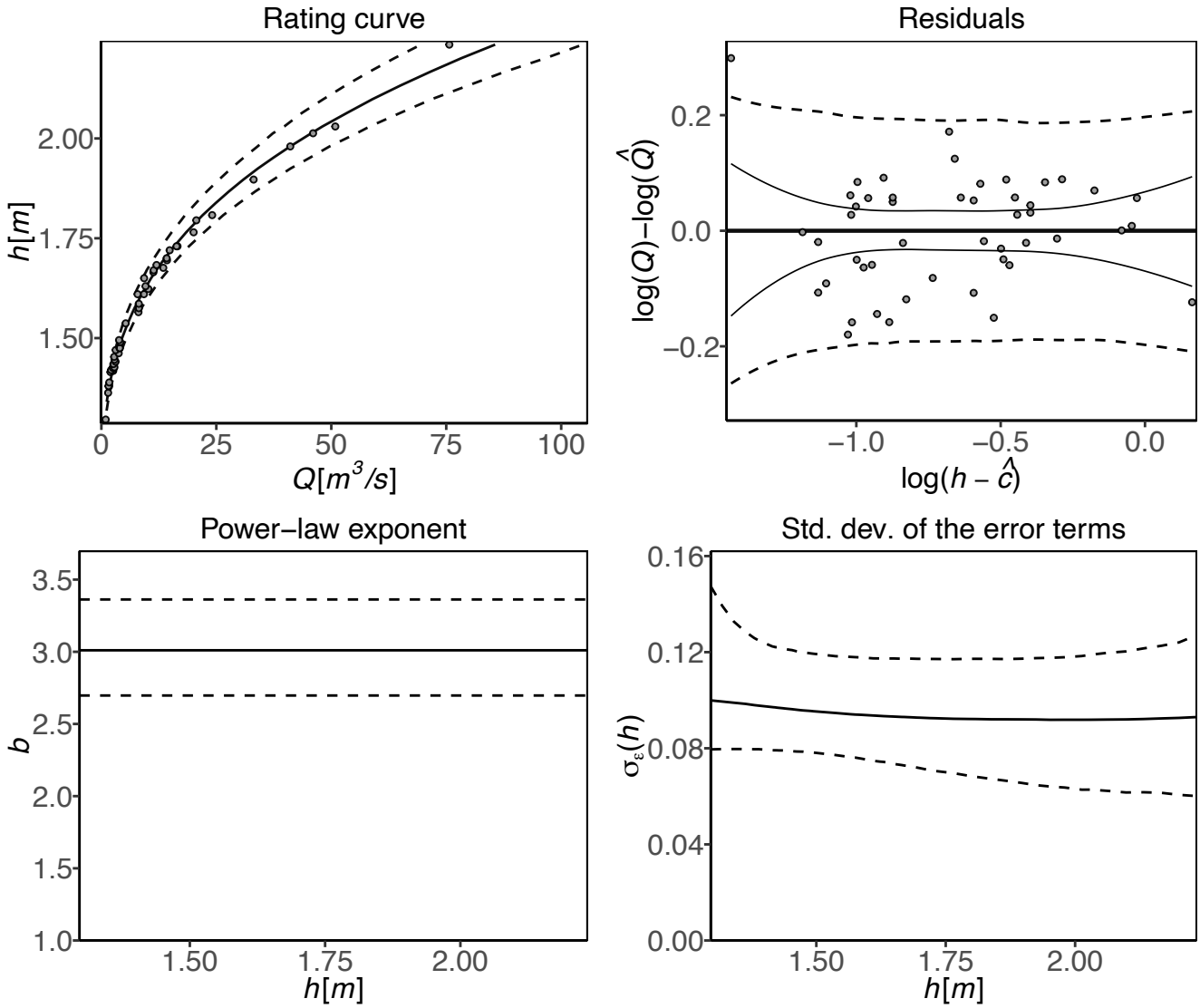
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	49.06	[26.29; 68.66]	2222	1.00
b	1.84	[1.83; 1.84]	8696	1.00
c	1.03	[0.84; 1.18]	1870	1.00
σ_β	0.69	[0.33; 1.38]	2160	1.00
ϕ_β	1.13	[0.26; 165.33]	804	1.05
σ_η	0.09	[0.00; 0.49]	1415	1.01
η_1	–4.81	[–5.31; –4.12]	1575	1.01
η_2	–4.93	[–6.73; –3.12]	2093	1.00
η_3	–5.24	[–7.64; –2.54]	2182	1.00
η_4	–5.48	[–8.59; –2.01]	2231	1.00
η_5	–5.52	[–9.15; –1.69]	2280	1.00
η_6	–5.47	[–9.68; –1.22]	2106	1.00

Vaðbrekkufoss, Iceland – GPLM0



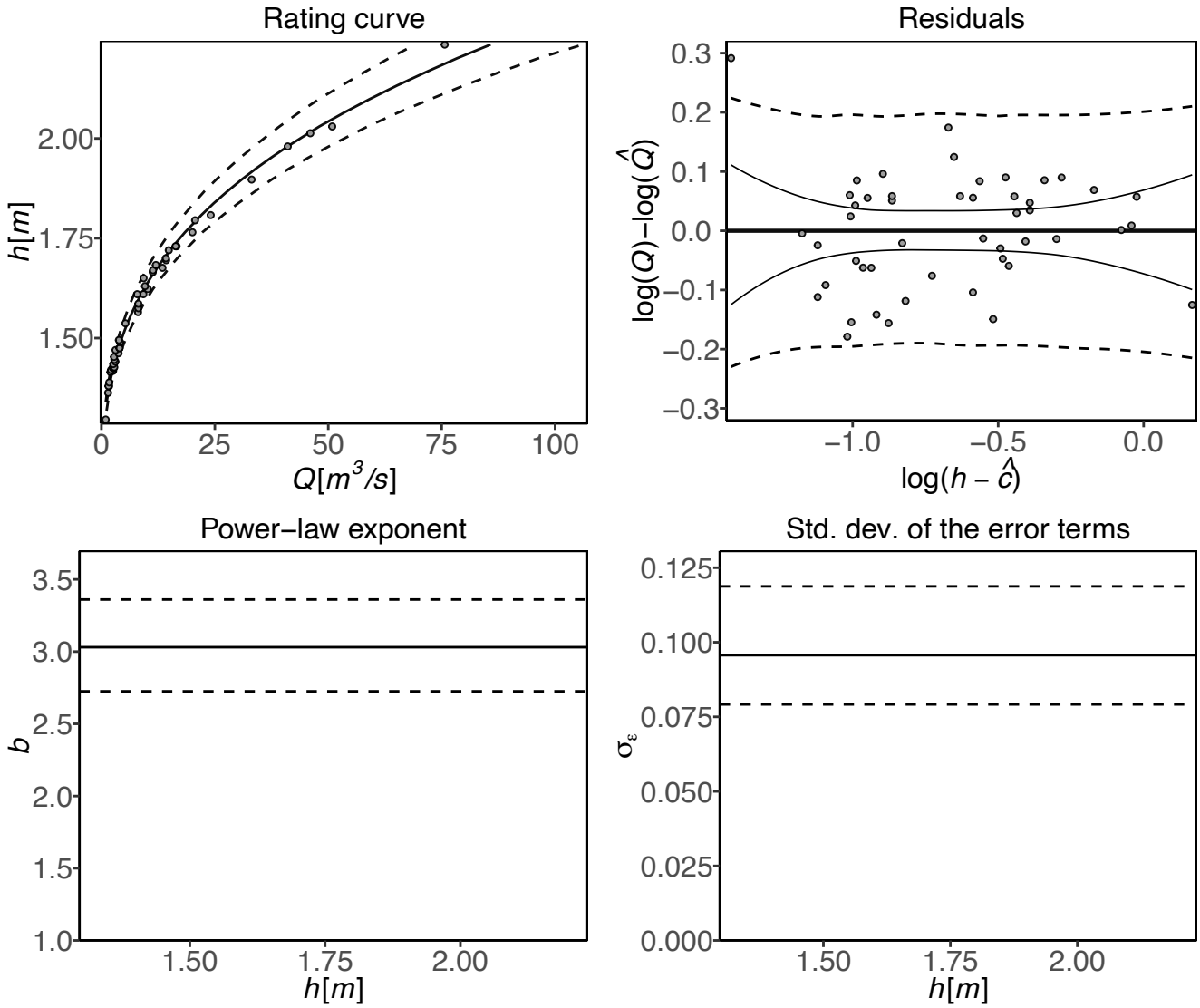
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	48.82	[26.75; 68.91]	4686	1.00
b	1.84	[1.83; 1.84]	10399	1.00
c	1.03	[0.85; 1.18]	3591	1.00
σ_ε	0.09	[0.07; 0.11]	2810	1.00
σ_β	0.83	[0.57; 1.18]	4995	1.00
ϕ_β	1.27	[0.26; 2485.00]	804	1.02

Vaðbrekkufoss, Iceland – PLM



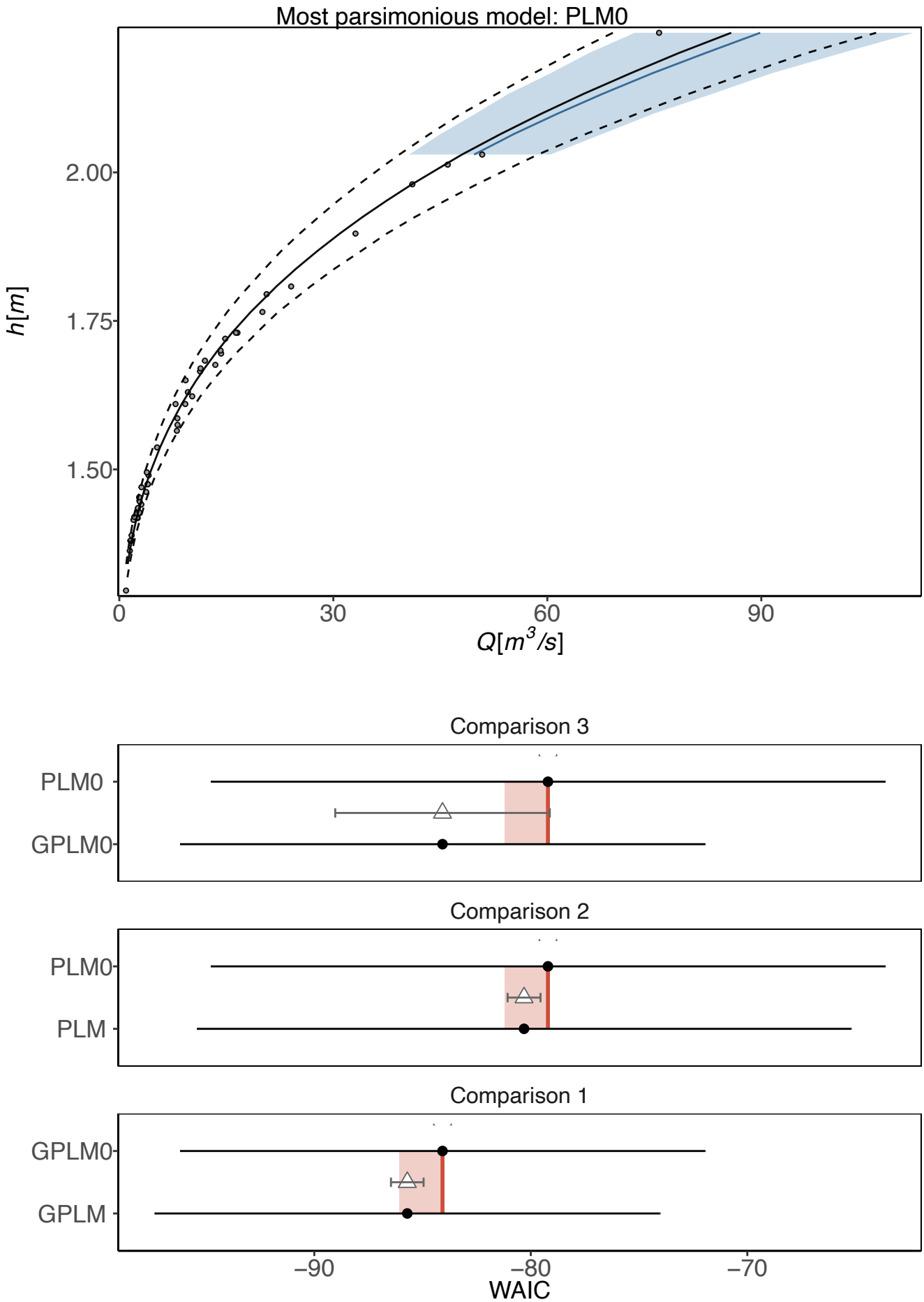
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	52.26	[44.34; 59.67]	2903	1.00
b	3.01	[2.70; 3.36]	2627	1.00
c	1.06	[1.00; 1.11]	2535	1.00
σ_η	0.11	[0.00; 0.54]	1487	1.01
η_1	–4.61	[–5.06; –3.83]	2955	1.00
η_2	–4.95	[–6.70; –3.12]	2237	1.00
η_3	–5.37	[–7.80; –2.64]	2254	1.00
η_4	–5.65	[–8.68; –2.24]	2511	1.00
η_5	–5.62	[–9.24; –1.79]	2346	1.00
η_6	–5.51	[–9.53; –1.23]	2431	1.00

Vaðbrekkufoss, Iceland – PLM0



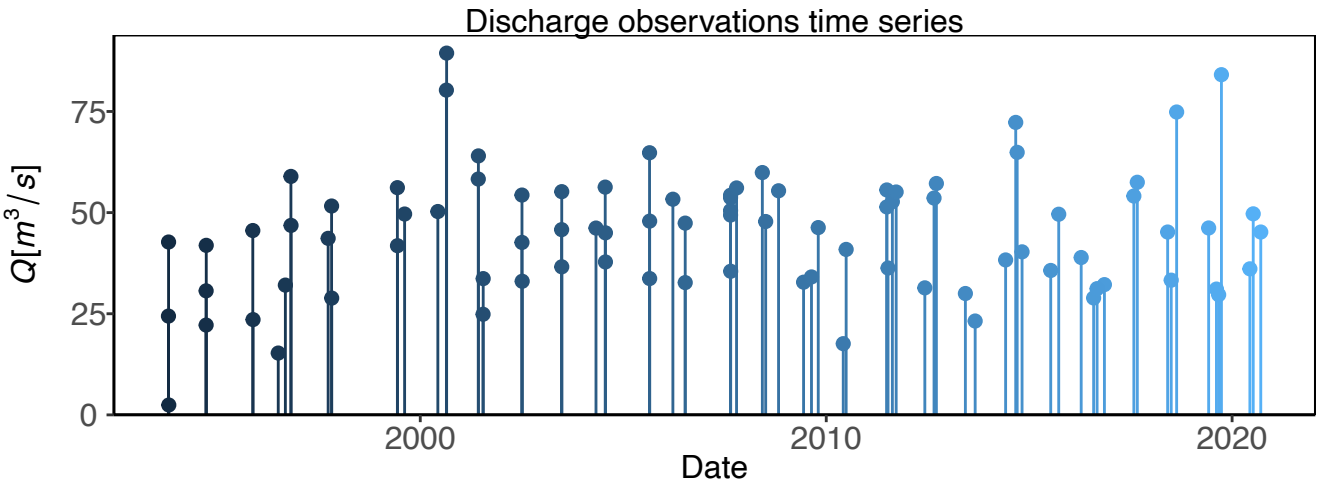
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	51.72	[44.18; 58.48]	10457	1.00
b	3.03	[2.73; 3.36]	10241	1.00
c	1.05	[1.00; 1.10]	9771	1.00
σ_ε	0.10	[0.08; 0.12]	9717	1.00

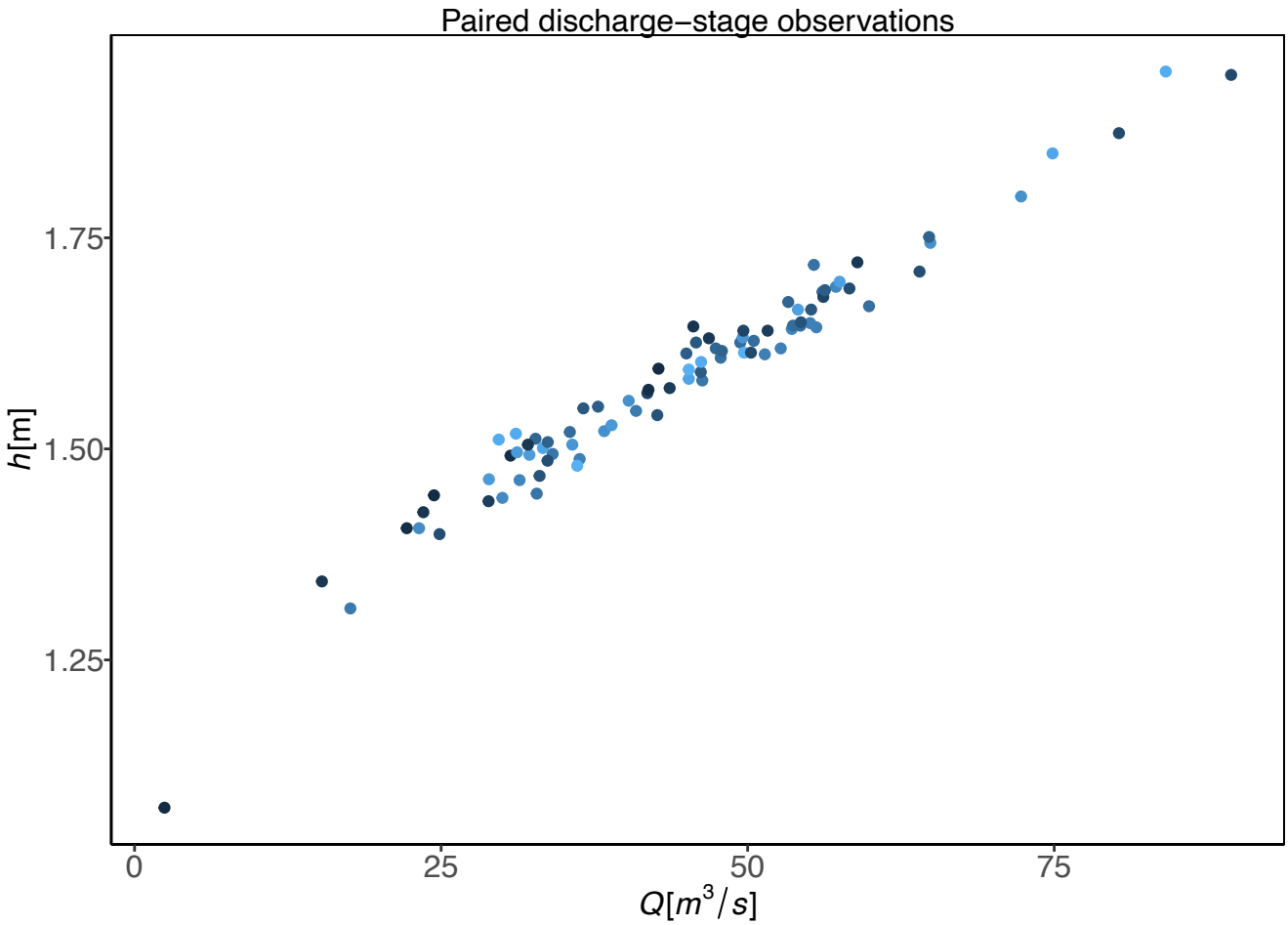
Power−law tournament results for Vaðbrekkufoss, Iceland



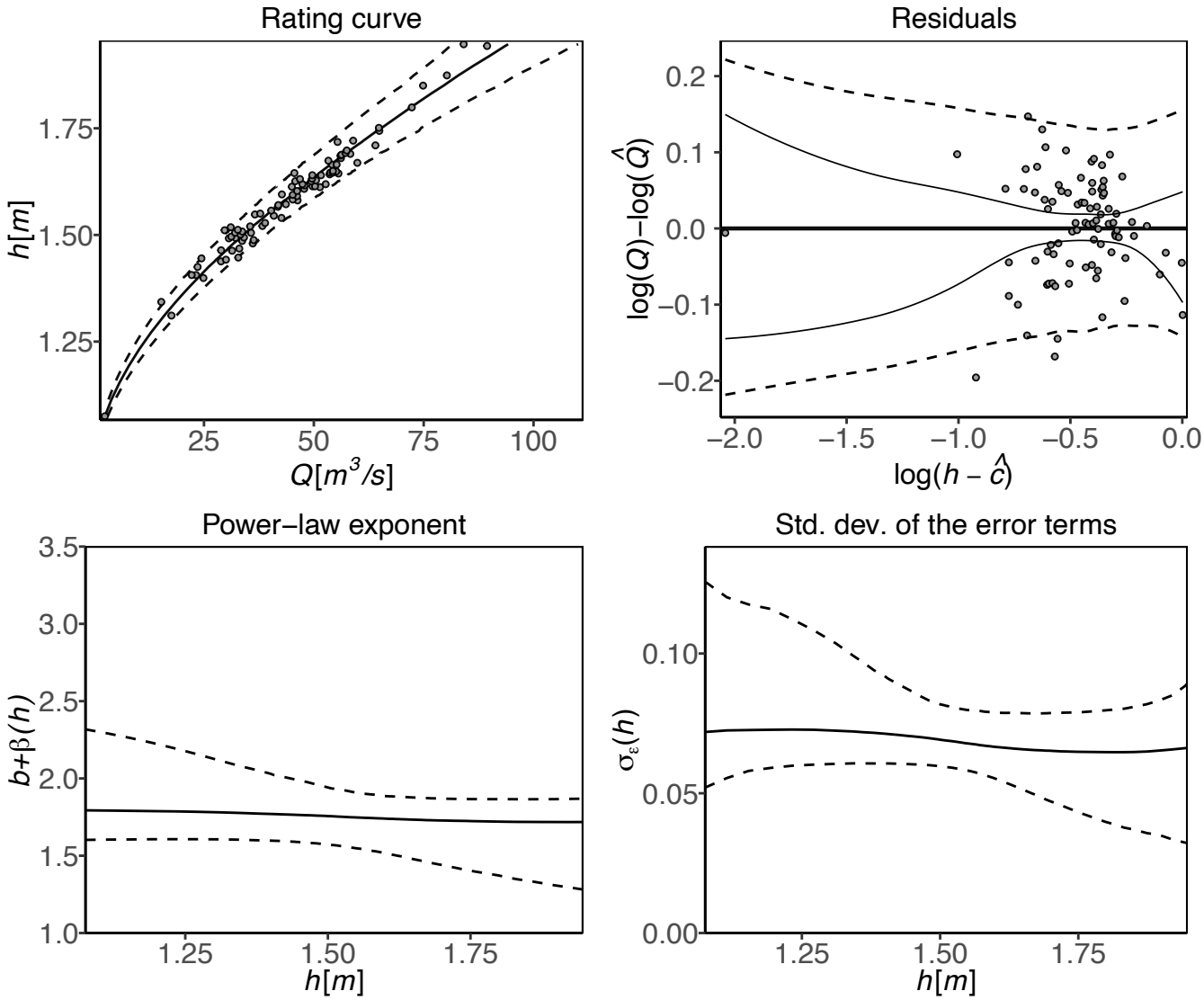
Station name:	Langamýri
Location:	Iceland
Station number:	V294
Number of observations:	87
Start date:	1993–10–18
End date:	2020–09–15
Max. discharge (m^3/s):	89.4
Tournament winner:	GPLM

	dWAIC	Akaike weights
GPLM	0.00	0.53
GPLM0	2.97	0.12
PLM	1.52	0.25
PLM0	3.28	0.10



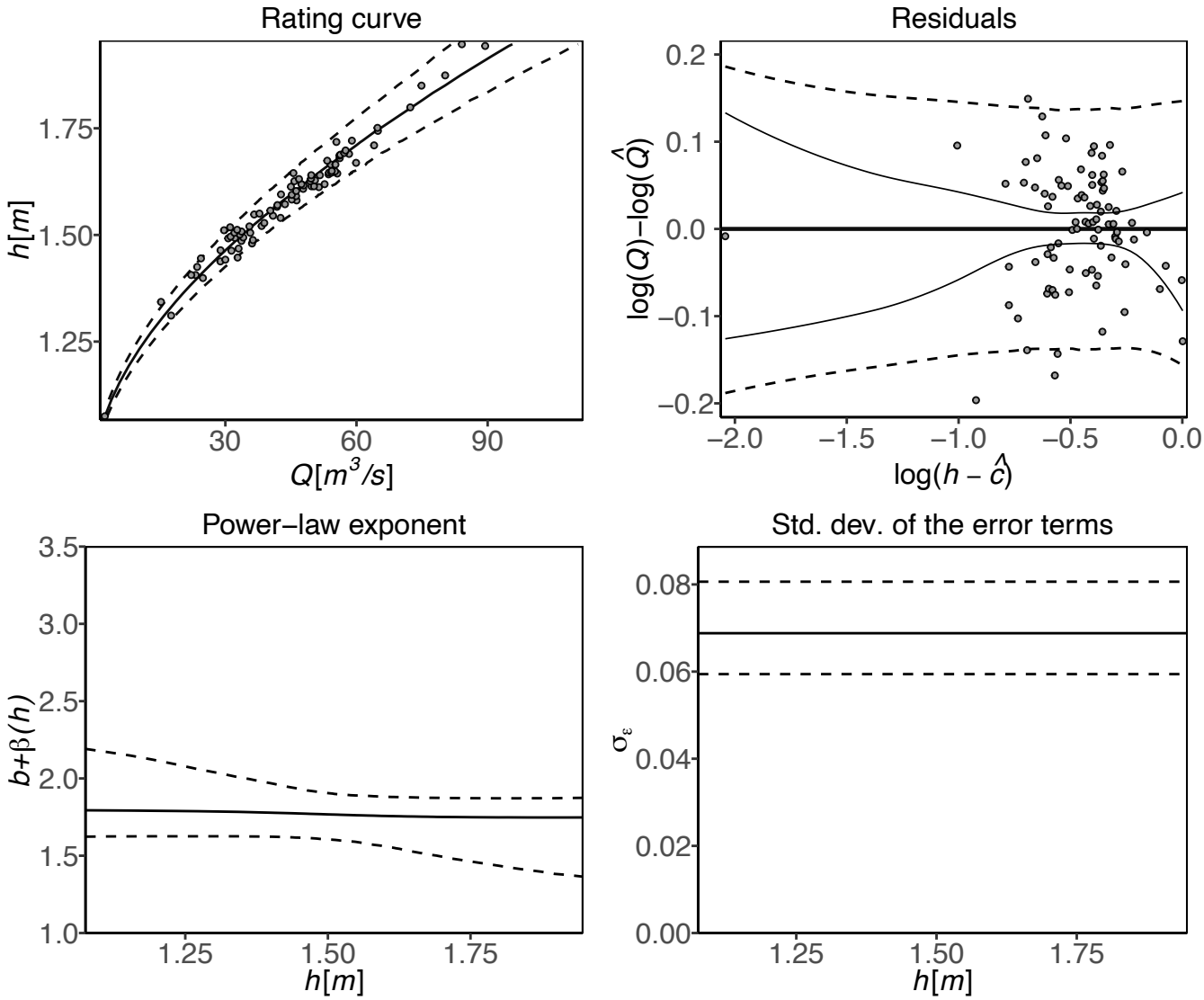


Langamýri, Iceland – GPLM



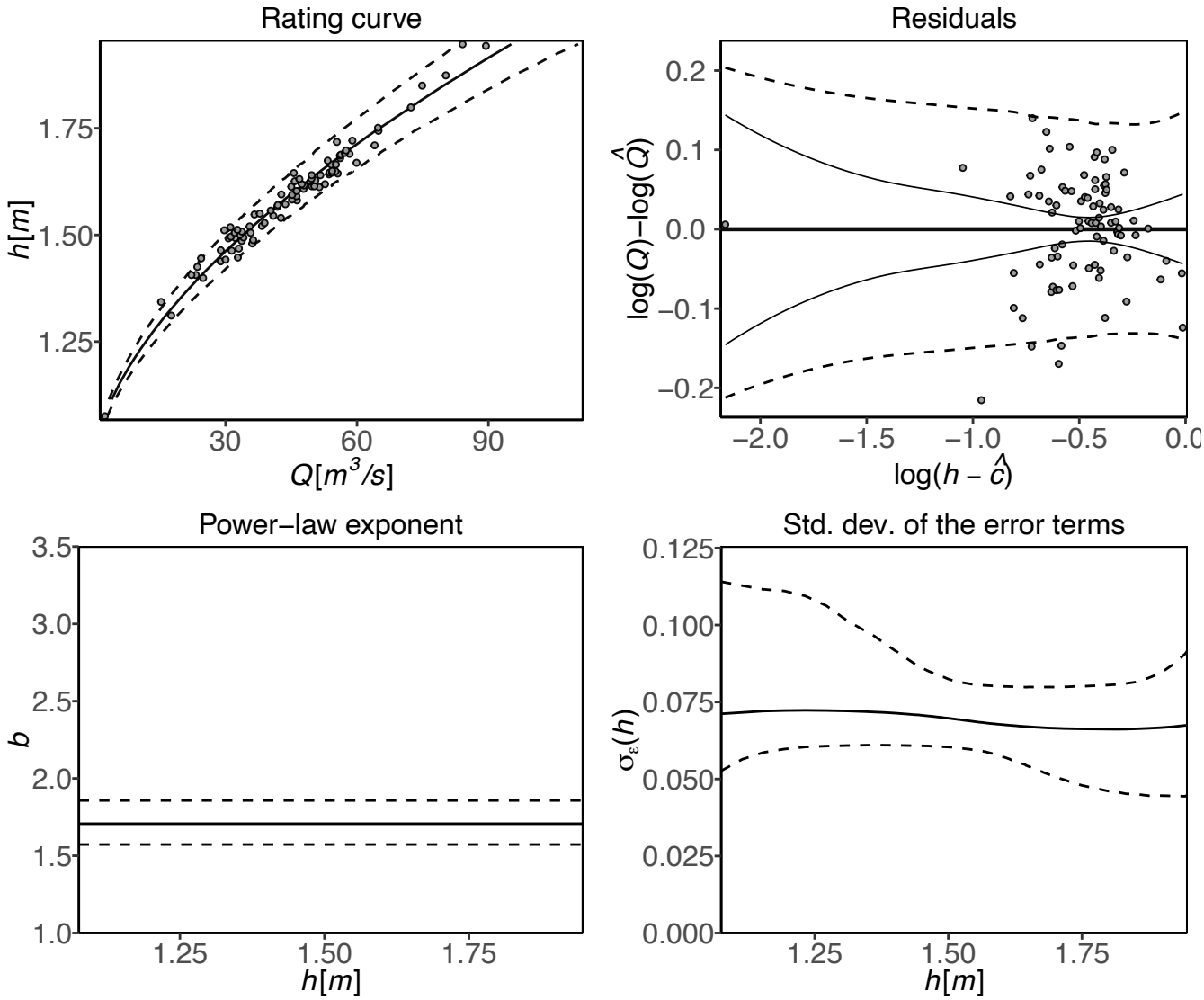
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	95.85	[76.30; 100.68]	1034	1.03
b	1.83	[1.83; 1.84]	5221	1.00
c	0.95	[0.84; 0.98]	1330	1.02
σ_β	0.17	[0.02; 0.71]	917	1.02
ϕ_β	4.75	[0.41; 1513.60]	750	1.08
σ_η	0.17	[0.00; 0.76]	780	1.11
η_1	–5.26	[–5.91; –4.15]	1428	1.02
η_2	–5.06	[–6.96; –3.49]	1207	1.01
η_3	–5.22	[–7.71; –3.19]	1189	1.02
η_4	–6.16	[–8.95; –2.77]	994	1.06
η_5	–6.46	[–9.83; –2.54]	1306	1.01
η_6	–6.17	[–10.17; –2.09]	1494	1.00

Langamýri, Iceland – GPLM0



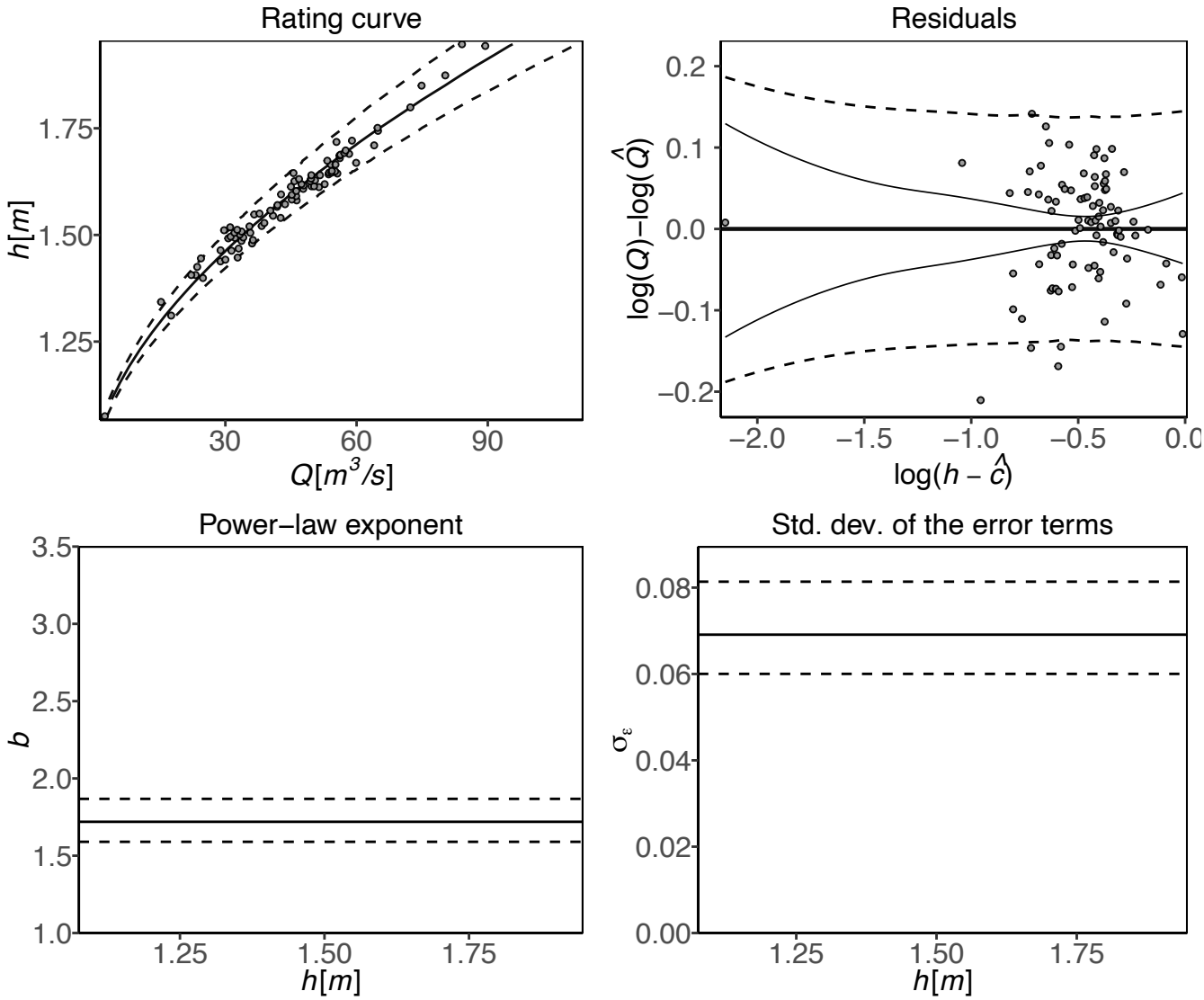
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	96.36	[79.66; 100.66]	2083	1.01
b	1.83	[1.83; 1.84]	8978	1.00
c	0.95	[0.87; 0.98]	2965	1.00
σ_ε	0.07	[0.06; 0.08]	3632	1.00
σ_β	0.37	[0.09; 0.81]	1256	1.01
ϕ_β	7.33	[0.43; 7637.33]	847	1.03

Langamýri, Iceland – PLM



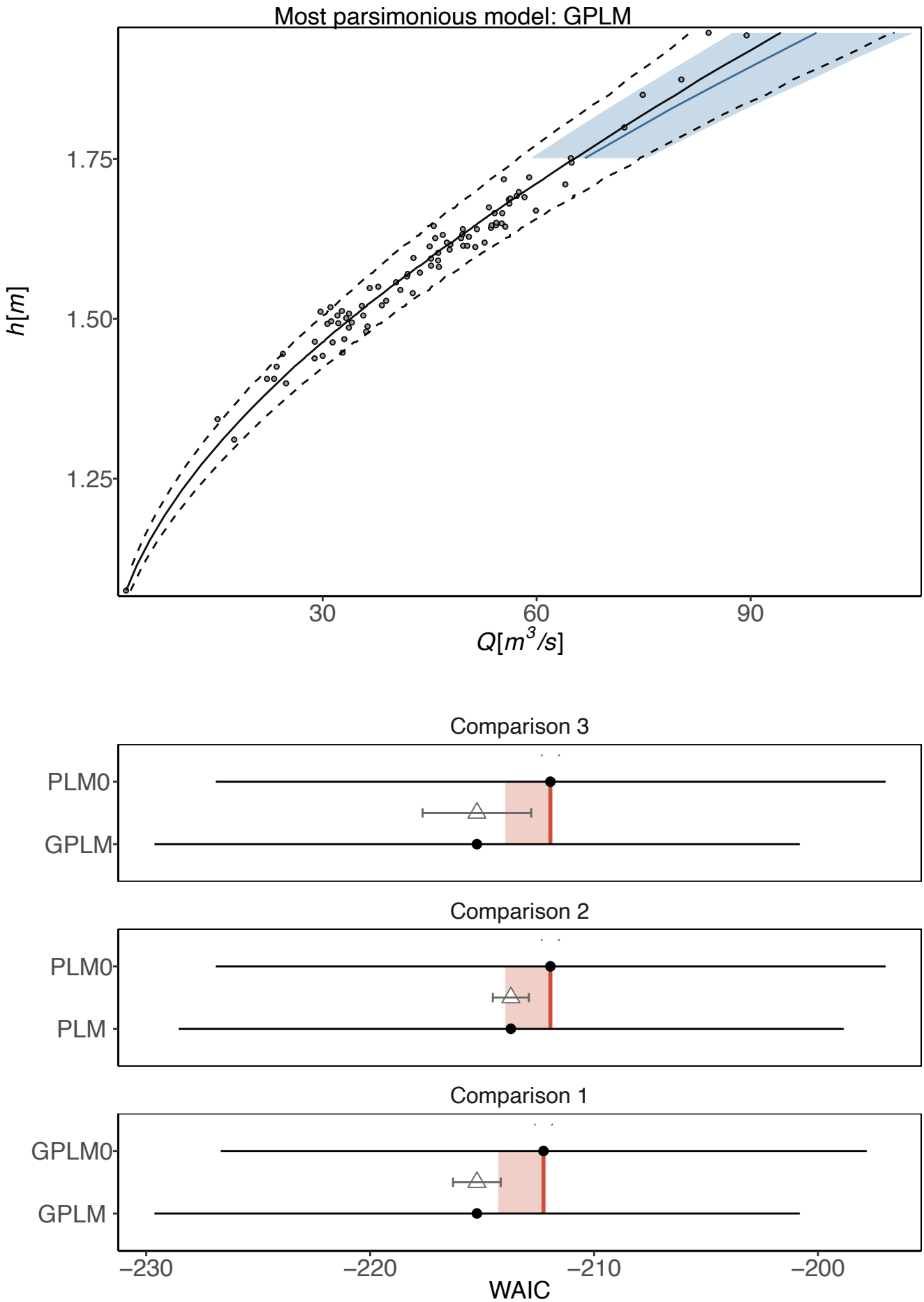
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	97.33	[93.69; 100.81]	4526	1.00
b	1.71	[1.57; 1.86]	2485	1.00
c	0.96	[0.93; 0.98]	2204	1.00
σ_η	0.14	[0.00; 0.68]	958	1.01
η_1	–5.29	[–5.89; –4.34]	1792	1.00
η_2	–5.08	[–6.95; –3.33]	1591	1.01
η_3	–5.15	[–7.62; –2.85]	1492	1.01
η_4	–6.00	[–8.72; –2.67]	1420	1.00
η_5	–6.19	[–9.48; –2.35]	1731	1.00
η_6	–5.88	[–9.75; –1.79]	2117	1.00

Langamýri, Iceland – PLM0



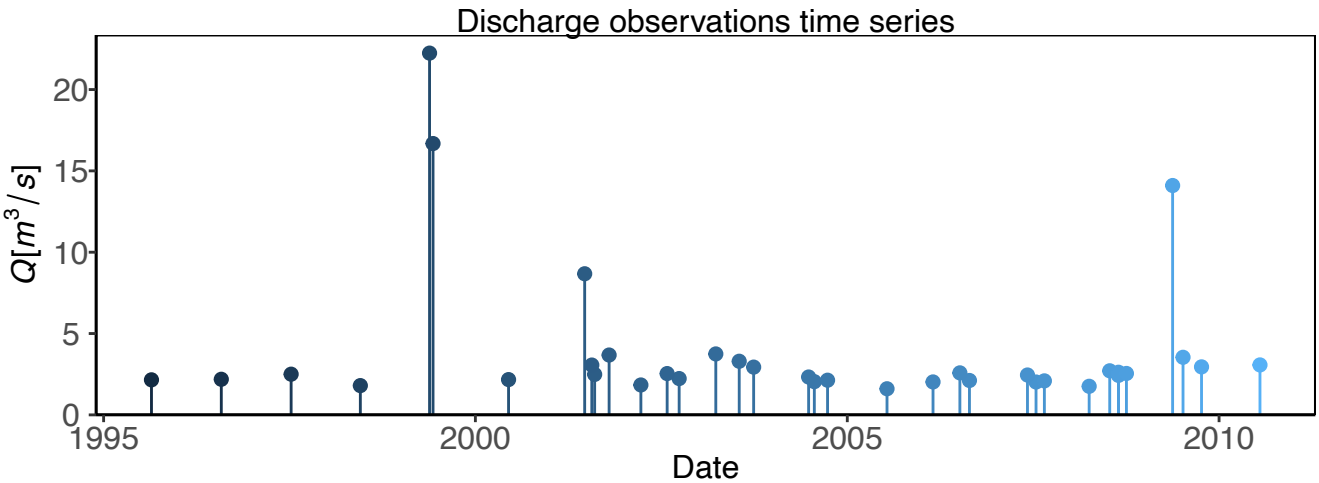
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	97.37	[93.85; 100.80]	14216	1.00
b	1.72	[1.59; 1.87]	9498	1.00
c	0.96	[0.93; 0.98]	8755	1.00
σ_ε	0.07	[0.06; 0.08]	9962	1.00

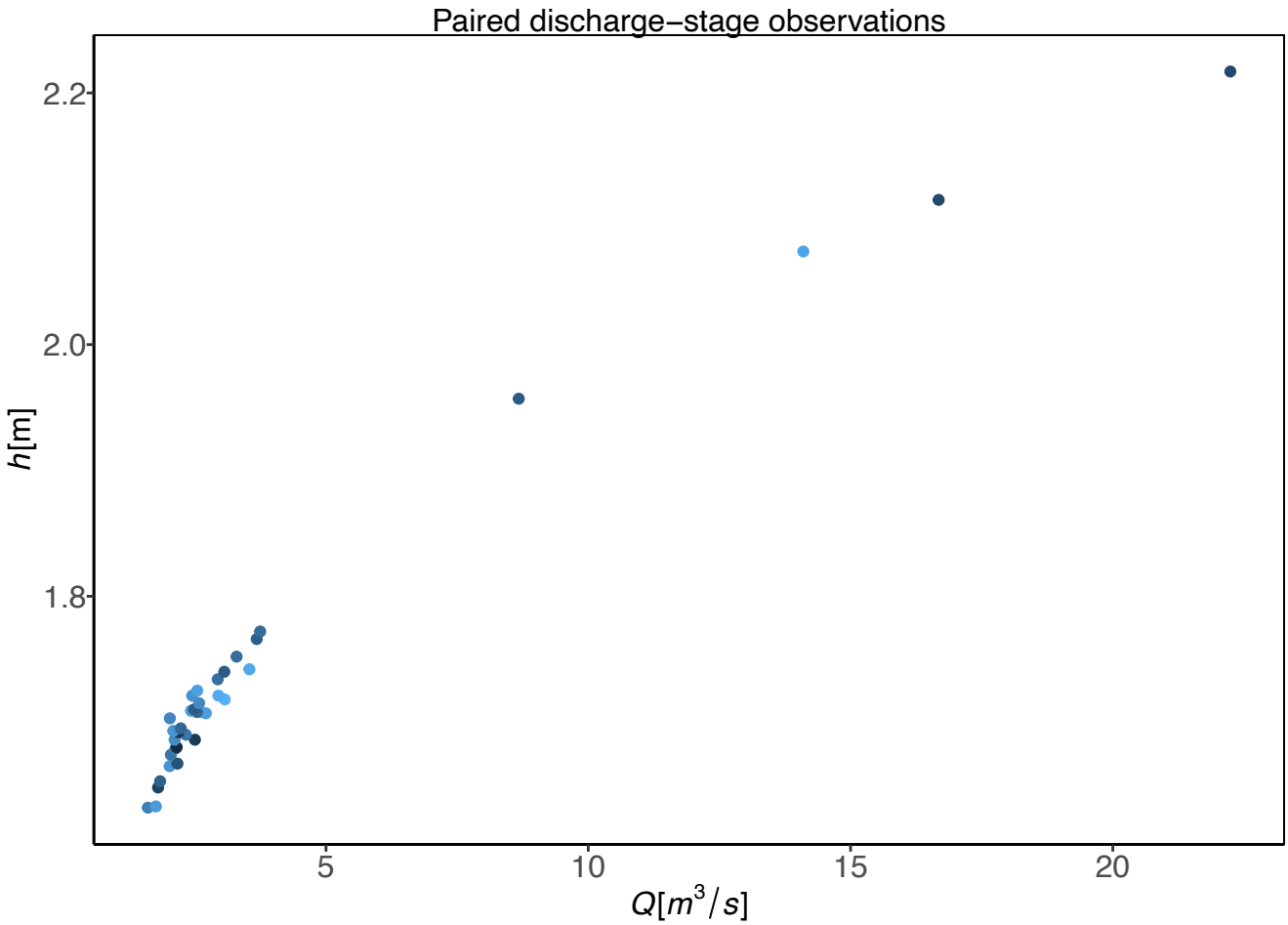
Power−law tournament results for Langamýri, Iceland



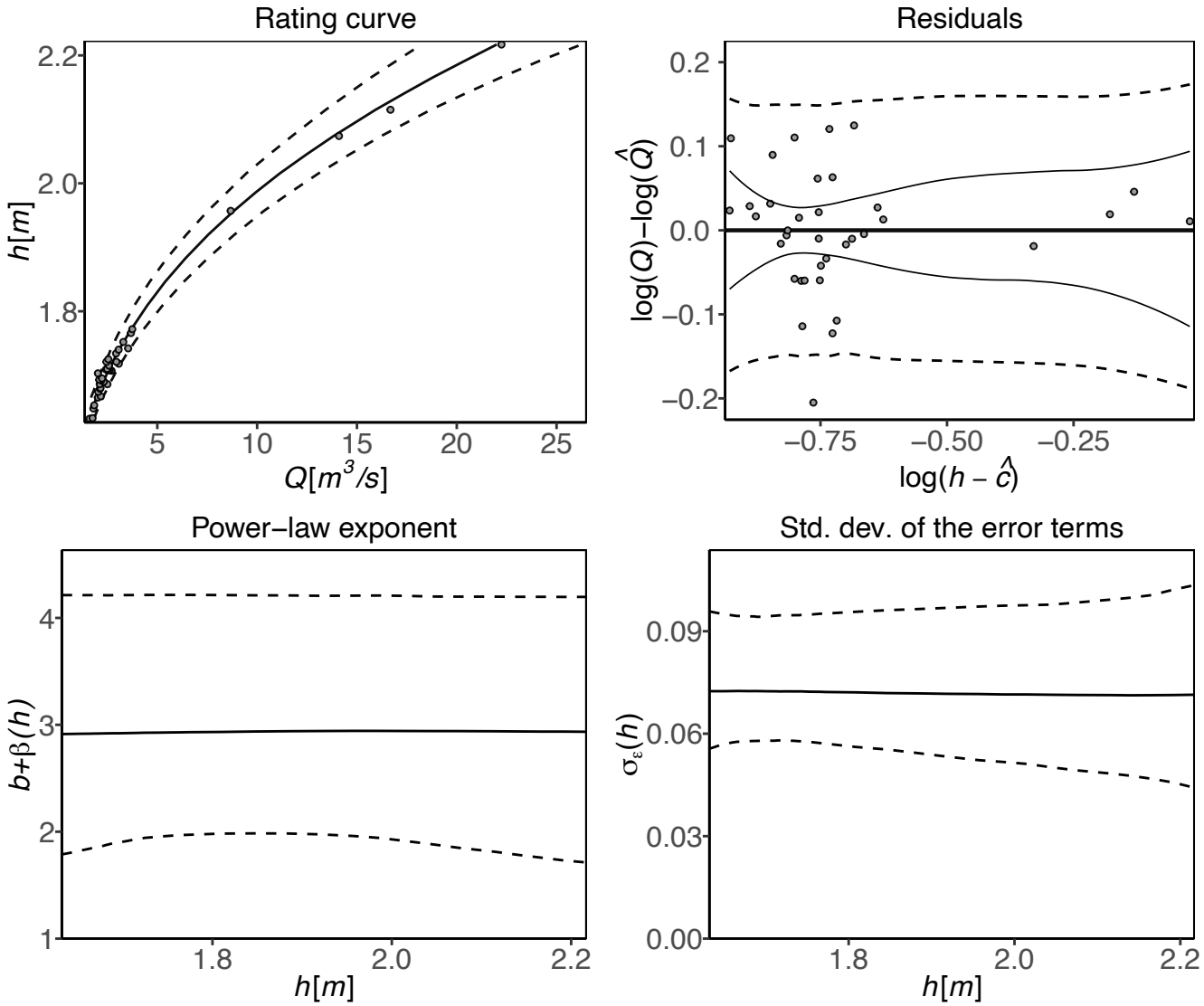
Station name:	ofan Jökulsár
Location:	Iceland
Station number:	V366
Number of observations:	36
Start date:	1995–08–24
End date:	2010–07–21
Max. discharge (m^3/s):	22.2
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.00	0.37
GPLM0	0.04	0.36
PLM	1.90	0.14
PLM0	2.04	0.13



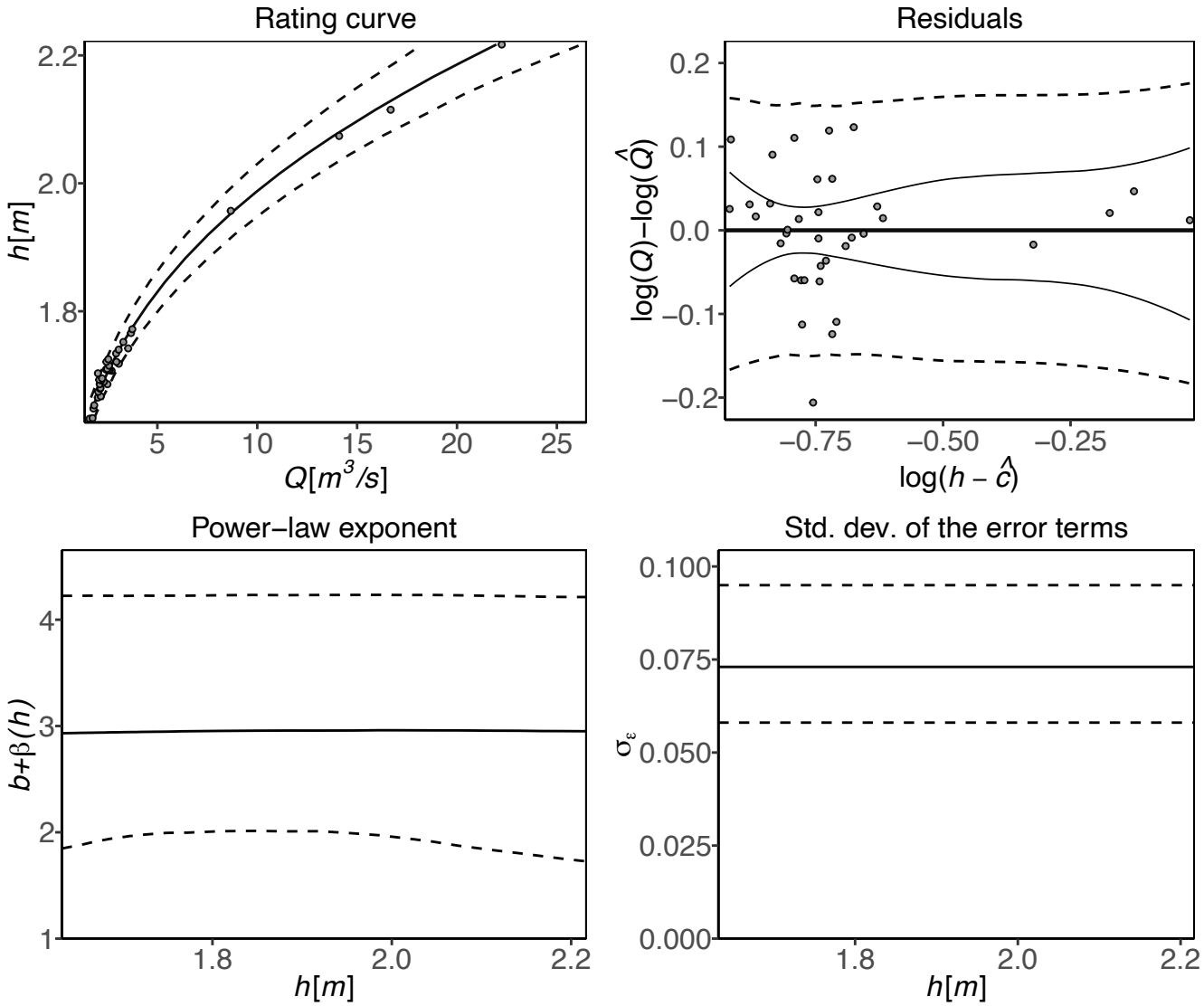


ofan Jökulsár, Iceland – GPLM



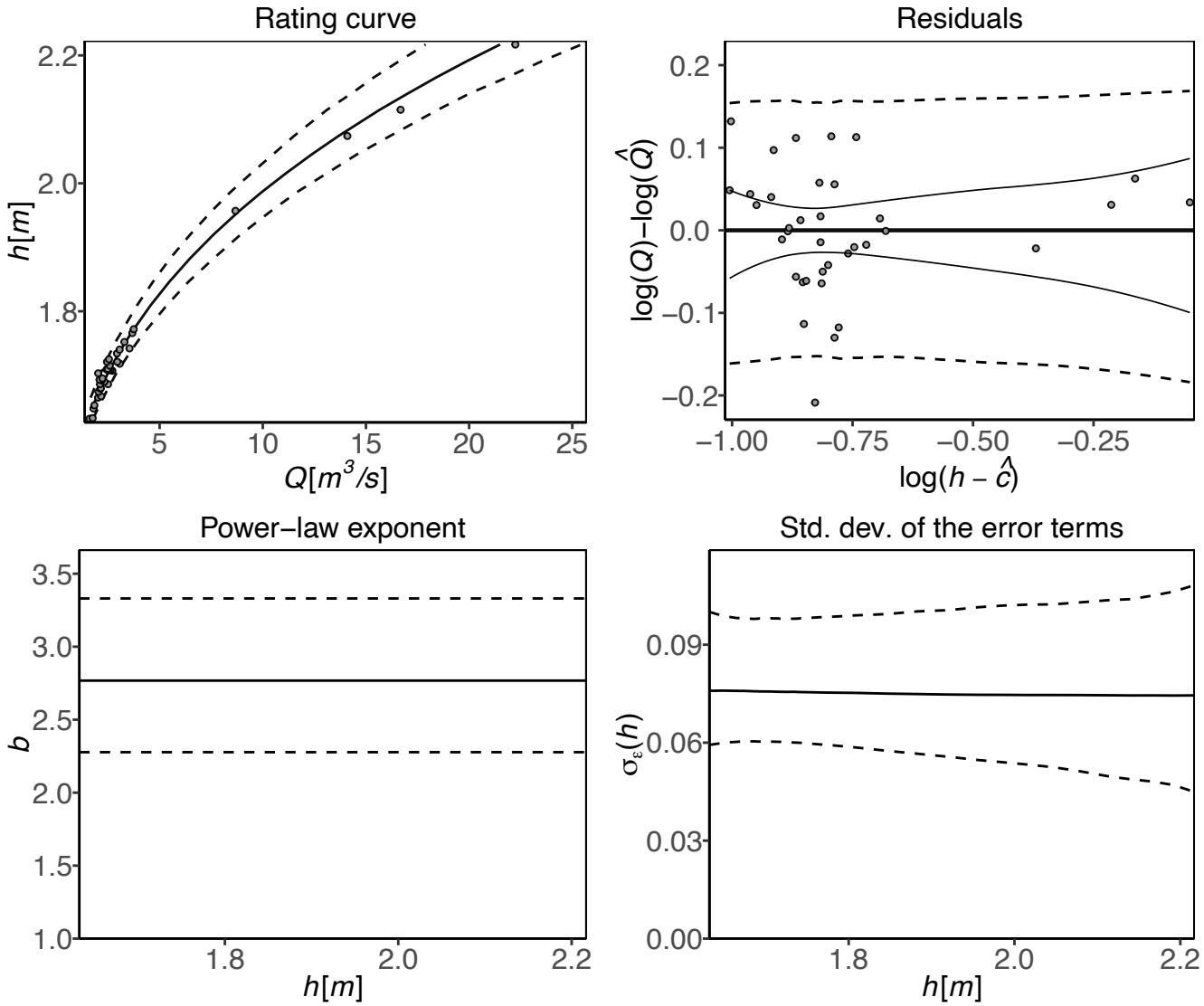
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	23.00	[9.14; 38.78]	1547	1.01
b	1.84	[1.83; 1.84]	9013	1.00
c	1.24	[0.97; 1.46]	1155	1.01
σ_β	0.63	[0.23; 1.31]	1631	1.01
ϕ_β	8.55	[0.30; 8246.71]	1324	1.01
σ_η	0.08	[0.00; 0.44]	1507	1.00
η_1	–5.25	[–5.78; –4.69]	1866	1.00
η_2	–5.19	[–7.05; –3.35]	2220	1.00
η_3	–5.32	[–7.89; –2.60]	2173	1.00
η_4	–5.43	[–8.67; –2.09]	2281	1.00
η_5	–5.46	[–9.20; –1.54]	2259	1.00
η_6	–5.44	[–9.64; –1.04]	2227	1.00

ofan Jökulsár, Iceland – GPLM0



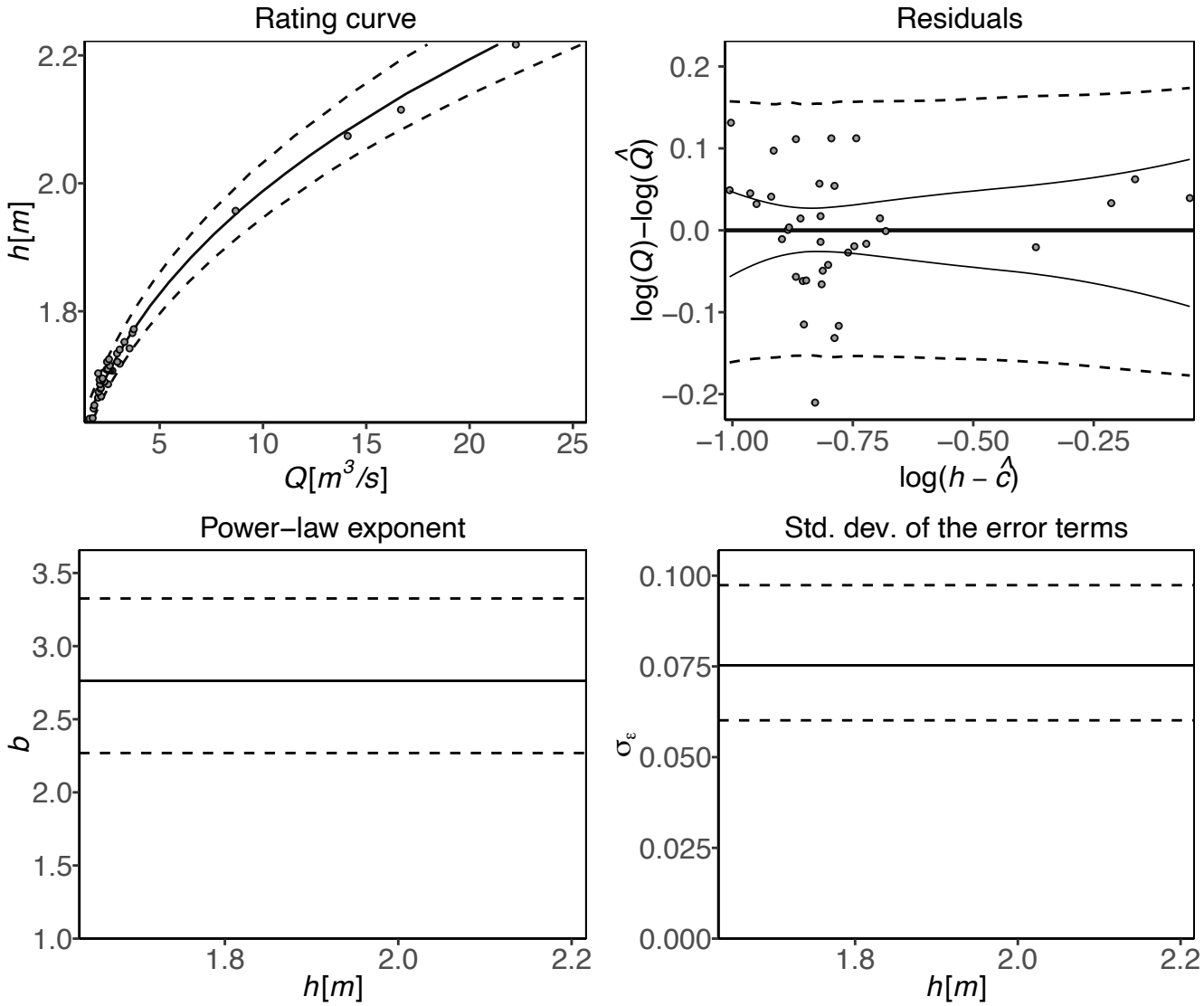
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	22.81	[9.03; 37.45]	3168	1.00
b	1.84	[1.83; 1.84]	12441	1.00
c	1.23	[0.97; 1.45]	2216	1.00
σ_ε	0.07	[0.06; 0.09]	4241	1.00
σ_β	0.79	[0.44; 1.16]	2687	1.00
ϕ_β	8.89	[0.27; 6591.34]	2654	1.00

ofan Jökulsár, Iceland – PLM



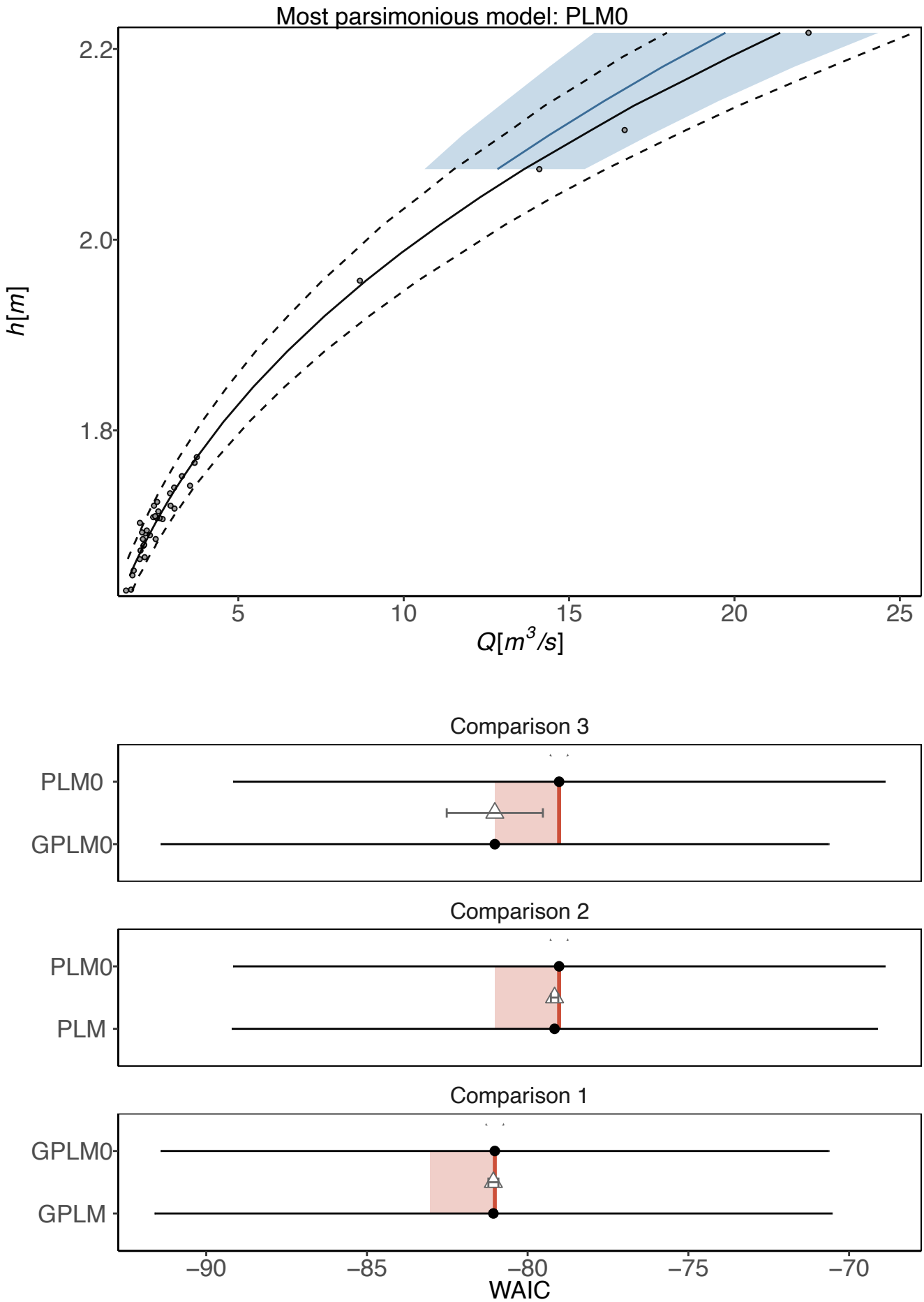
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.57	[17.65; 30.74]	3249	1.00
b	2.77	[2.28; 3.33]	3065	1.00
c	1.27	[1.15; 1.36]	2892	1.00
σ_η	0.08	[0.00; 0.44]	1776	1.00
η_1	–5.16	[–5.65; –4.60]	2390	1.00
η_2	–5.15	[–7.08; –3.35]	2774	1.00
η_3	–5.27	[–7.92; –2.57]	2771	1.00
η_4	–5.36	[–8.68; –1.99]	2837	1.00
η_5	–5.41	[–9.30; –1.52]	2993	1.00
η_6	–5.50	[–9.91; –1.10]	2952	1.00

ofan Jökulsár, Iceland – PLM0



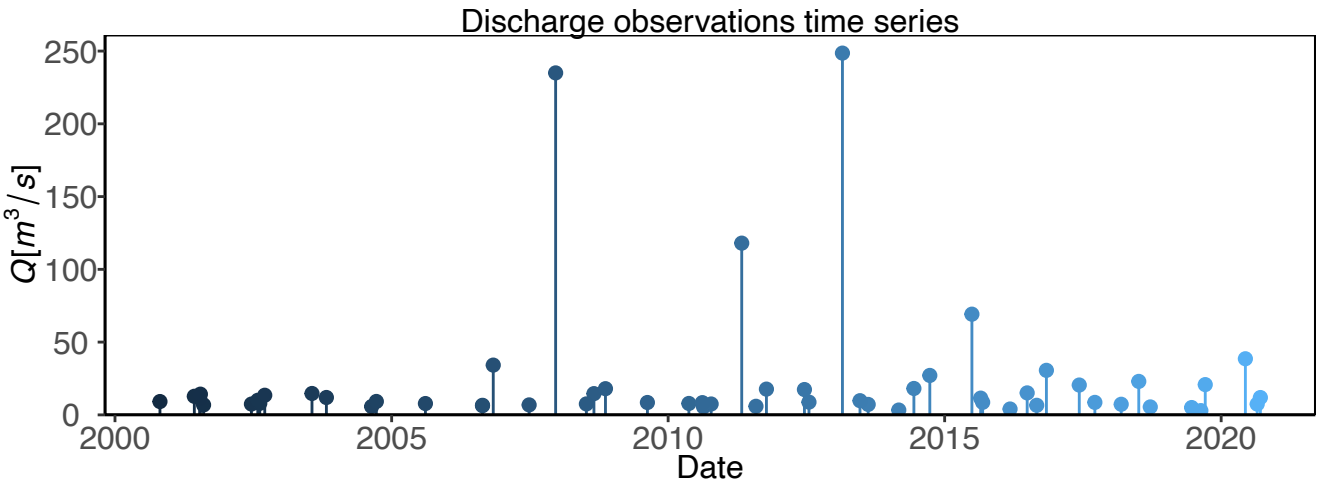
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	24.56	[17.53; 30.52]	10281	1.00
b	2.76	[2.27; 3.33]	10289	1.00
c	1.27	[1.15; 1.37]	9948	1.00
σ_ε	0.08	[0.06; 0.10]	9081	1.00

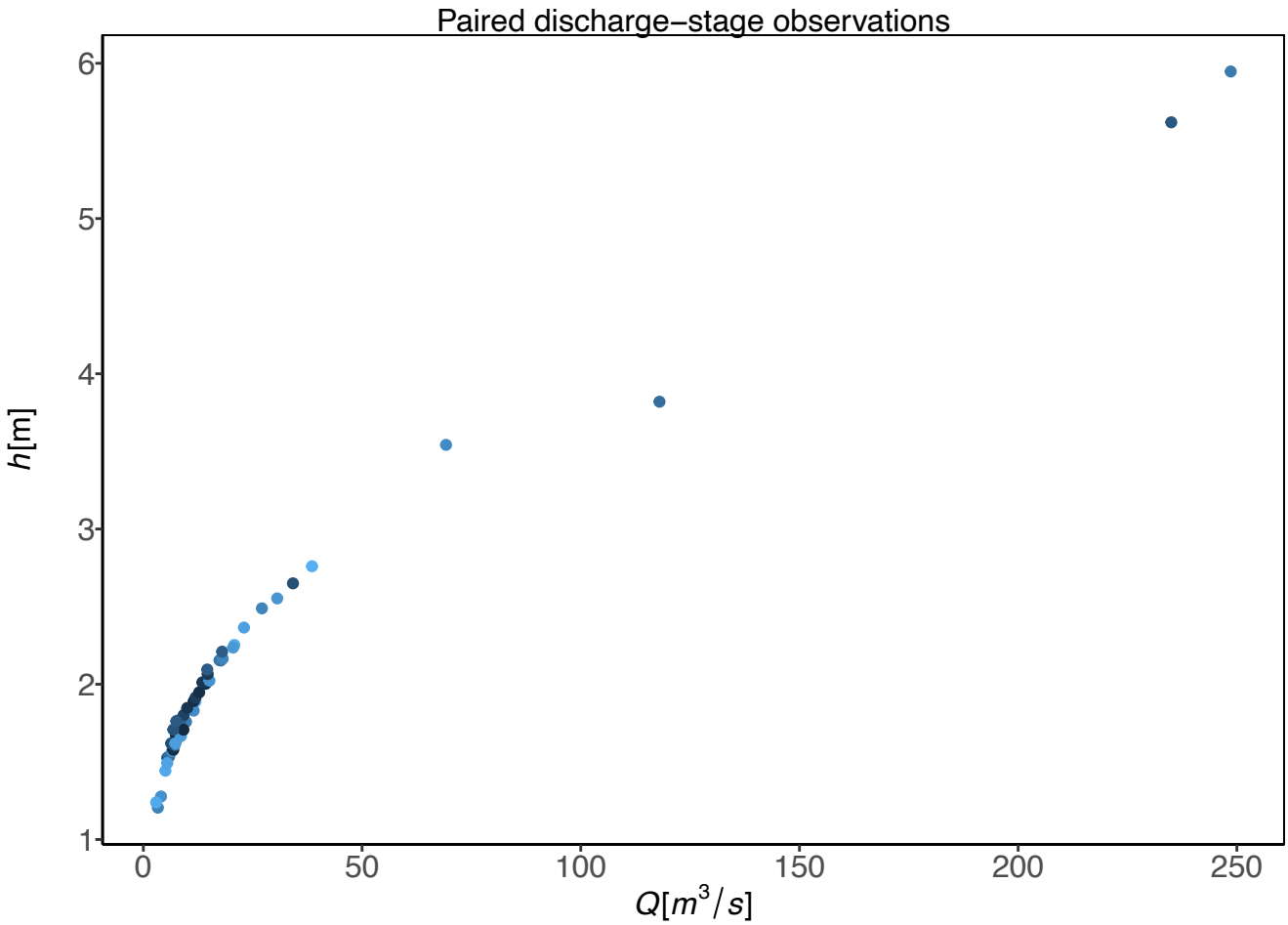
Power−law tournament results for ofan Jökulsár, Iceland



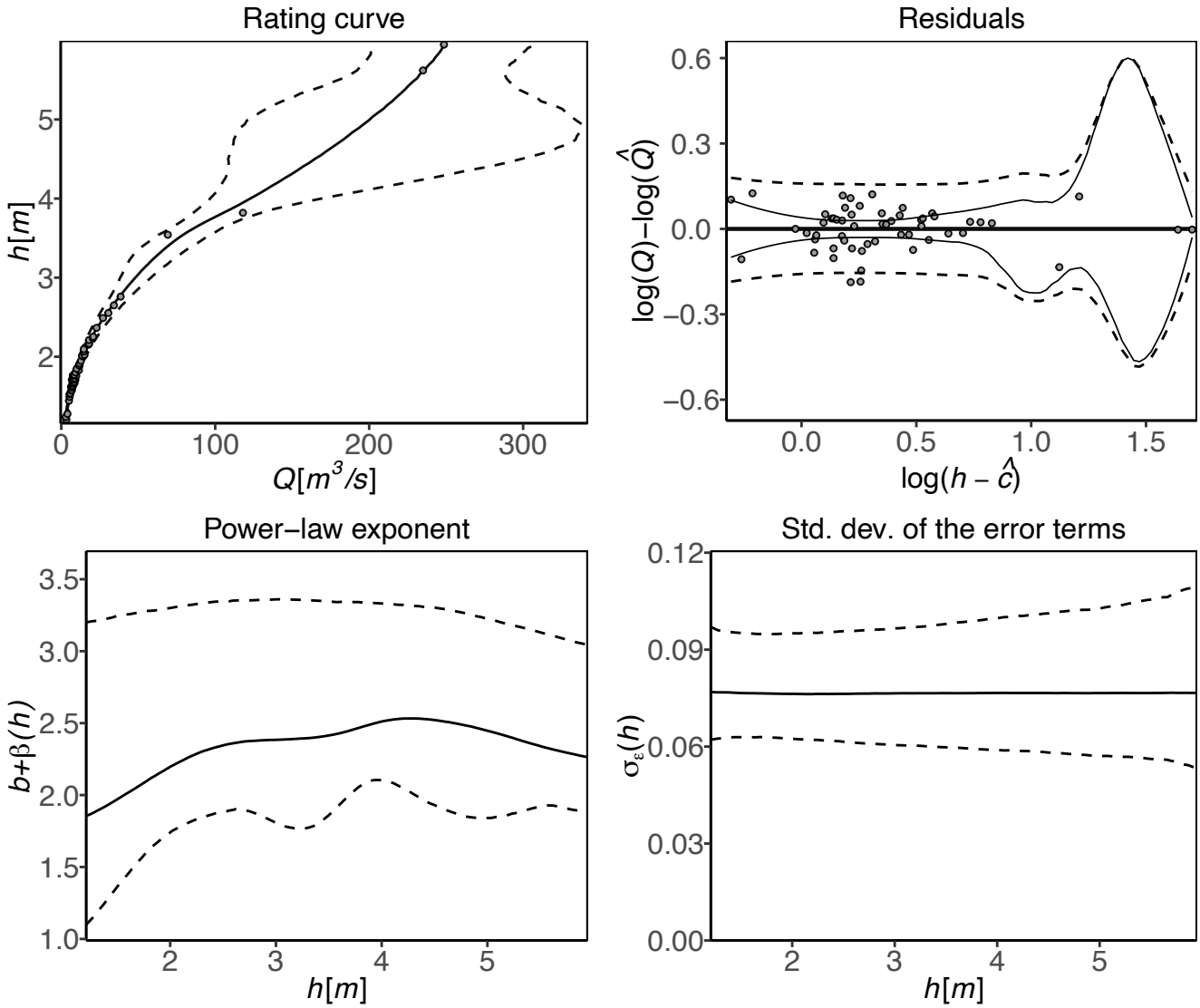
Station name:	Stórhylur
Location:	Iceland
Station number:	V411
Number of observations:	56
Start date:	2000–10–24
End date:	2020–09–16
Max. discharge (m^3/s):	248.6
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.55
GPLM0	0.39	0.45
PLM	18.31	0.00
PLM0	18.81	0.00



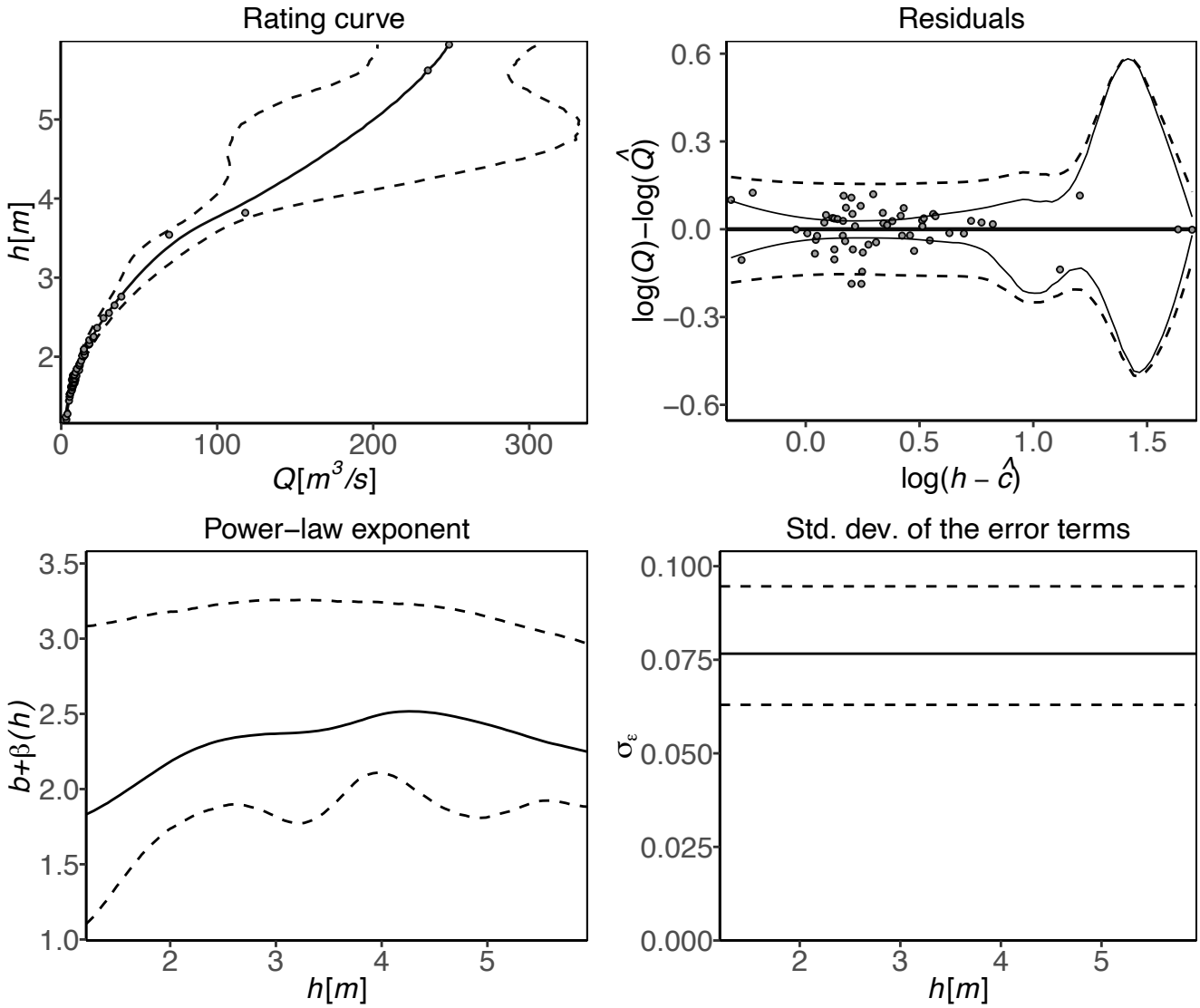


Stórhylur, Iceland – GPLM



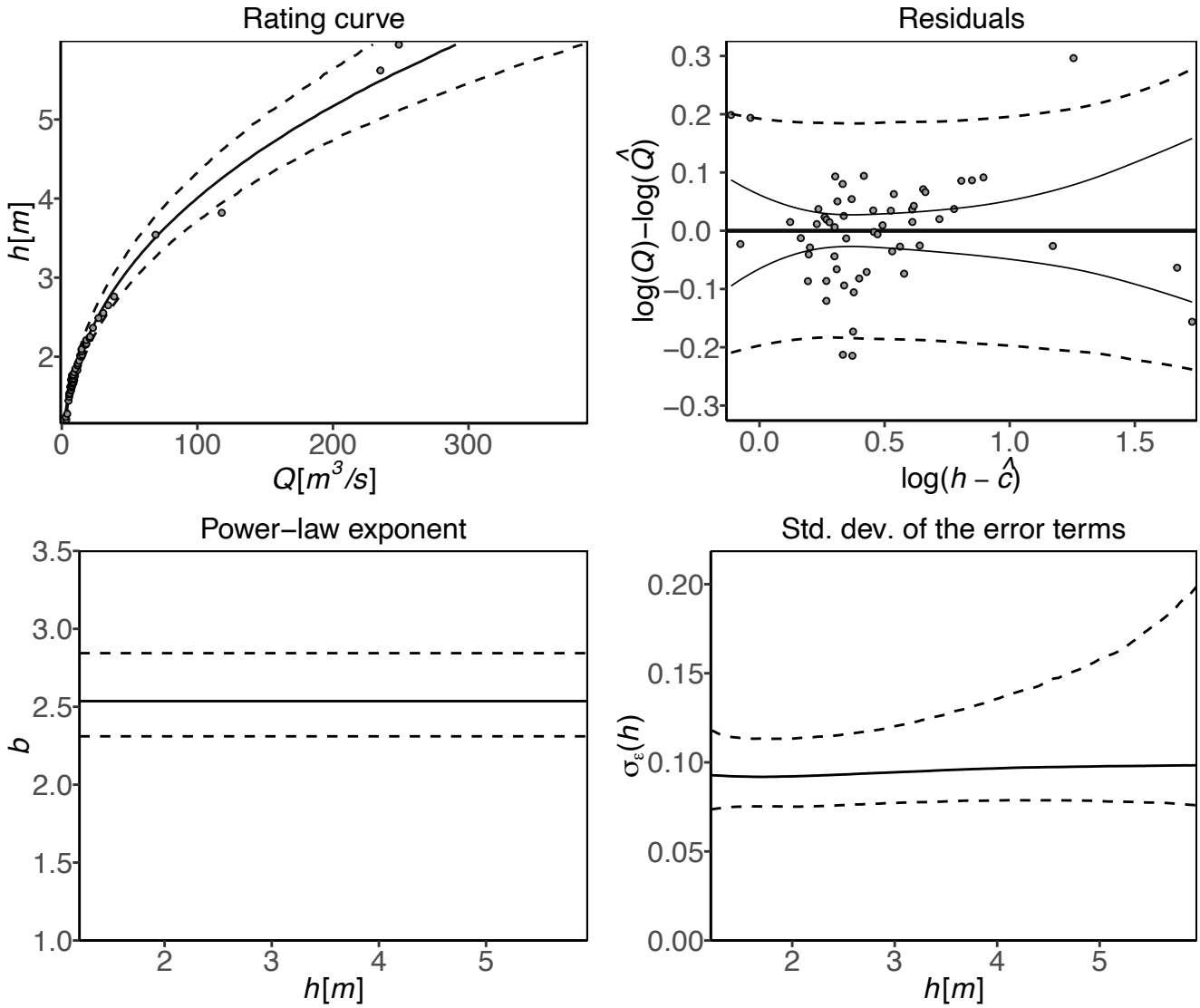
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.31	[0.98; 11.69]	2208	1.00
b	1.84	[1.83; 1.84]	9074	1.00
c	0.47	[–0.24; 0.91]	1807	1.01
σ_β	0.44	[0.22; 0.97]	1854	1.00
ϕ_β	2.14	[0.53; 8.67]	2591	1.00
σ_η	0.07	[0.00; 0.41]	1403	1.00
η_1	–5.13	[–5.56; –4.67]	2031	1.00
η_2	–5.21	[–7.03; –3.37]	1972	1.00
η_3	–5.19	[–7.86; –2.60]	2107	1.00
η_4	–5.15	[–8.44; –1.93]	2071	1.00
η_5	–5.15	[–8.94; –1.36]	2035	1.00
η_6	–5.17	[–9.42; –0.82]	1960	1.00

Stórhylur, Iceland – GPLM0



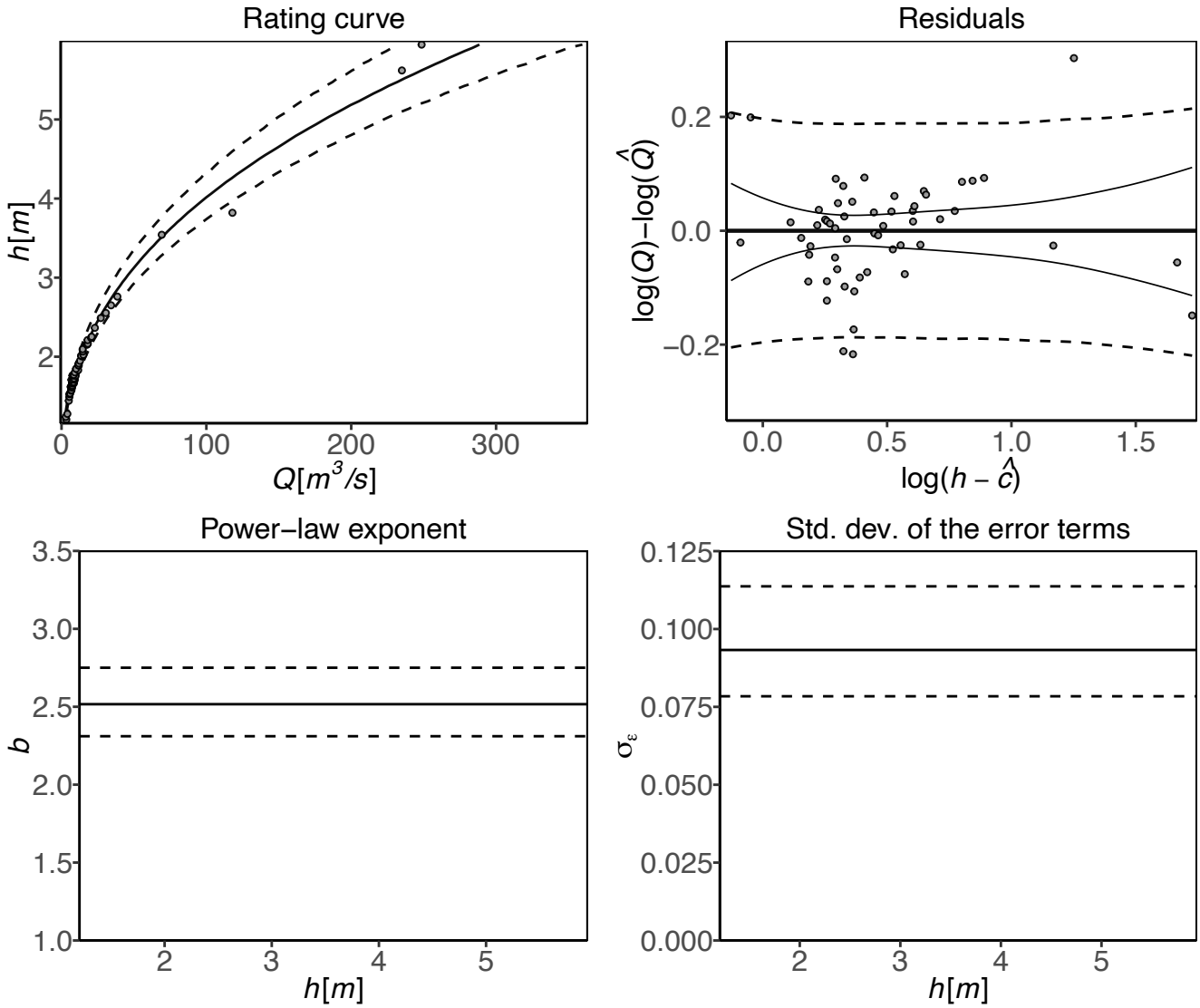
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	5.48	[1.14; 11.59]	3647	1.00
b	1.84	[1.83; 1.84]	14434	1.00
c	0.48	[–0.17; 0.91]	2783	1.00
σ_ε	0.08	[0.06; 0.09]	4592	1.00
σ_β	0.65	[0.47; 0.97]	6167	1.00
ϕ_β	2.07	[0.53; 7.99]	4760	1.00

Stórhylur, Iceland – PLM



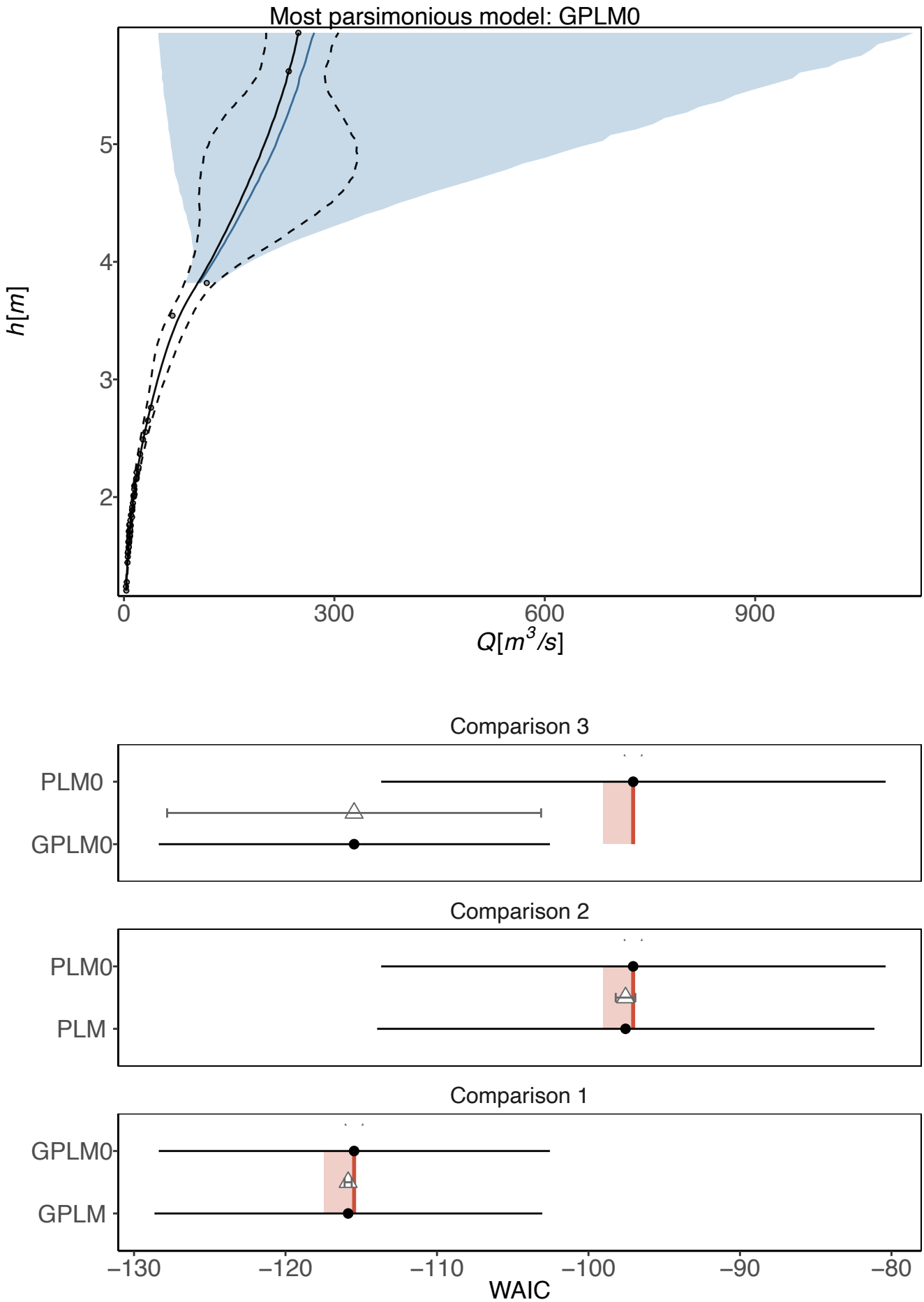
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.63	[2.19; 5.23]	2381	1.01
b	2.54	[2.31; 2.84]	2490	1.01
c	0.31	[0.10; 0.47]	2397	1.01
σ_η	0.11	[0.00; 0.60]	1687	1.00
η_1	–4.75	[–5.22; –4.27]	2170	1.00
η_2	–4.92	[–6.68; –2.97]	2412	1.00
η_3	–4.60	[–7.13; –2.02]	2707	1.00
η_4	–4.15	[–7.41; –1.18]	2697	1.00
η_5	–4.00	[–7.87; –0.42]	2448	1.00
η_6	–3.89	[–8.29; 0.08]	2630	1.00

Stórhylur, Iceland – PLM0



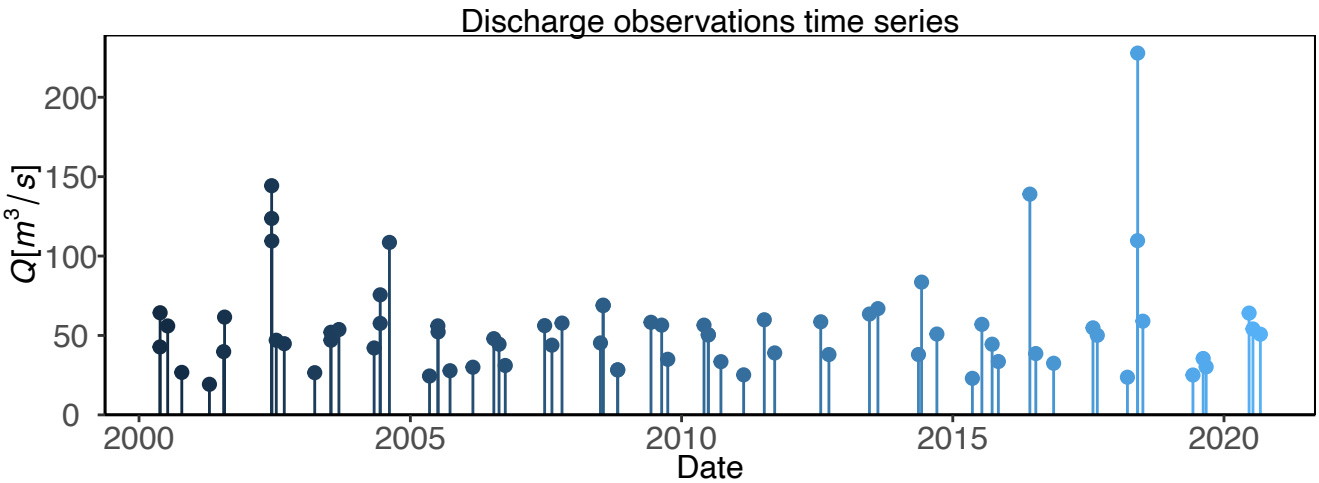
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	3.74	[2.50; 5.24]	9897	1.00
b	2.52	[2.31; 2.75]	10389	1.00
c	0.32	[0.15; 0.47]	9877	1.00
σ_ε	0.09	[0.08; 0.11]	9365	1.00

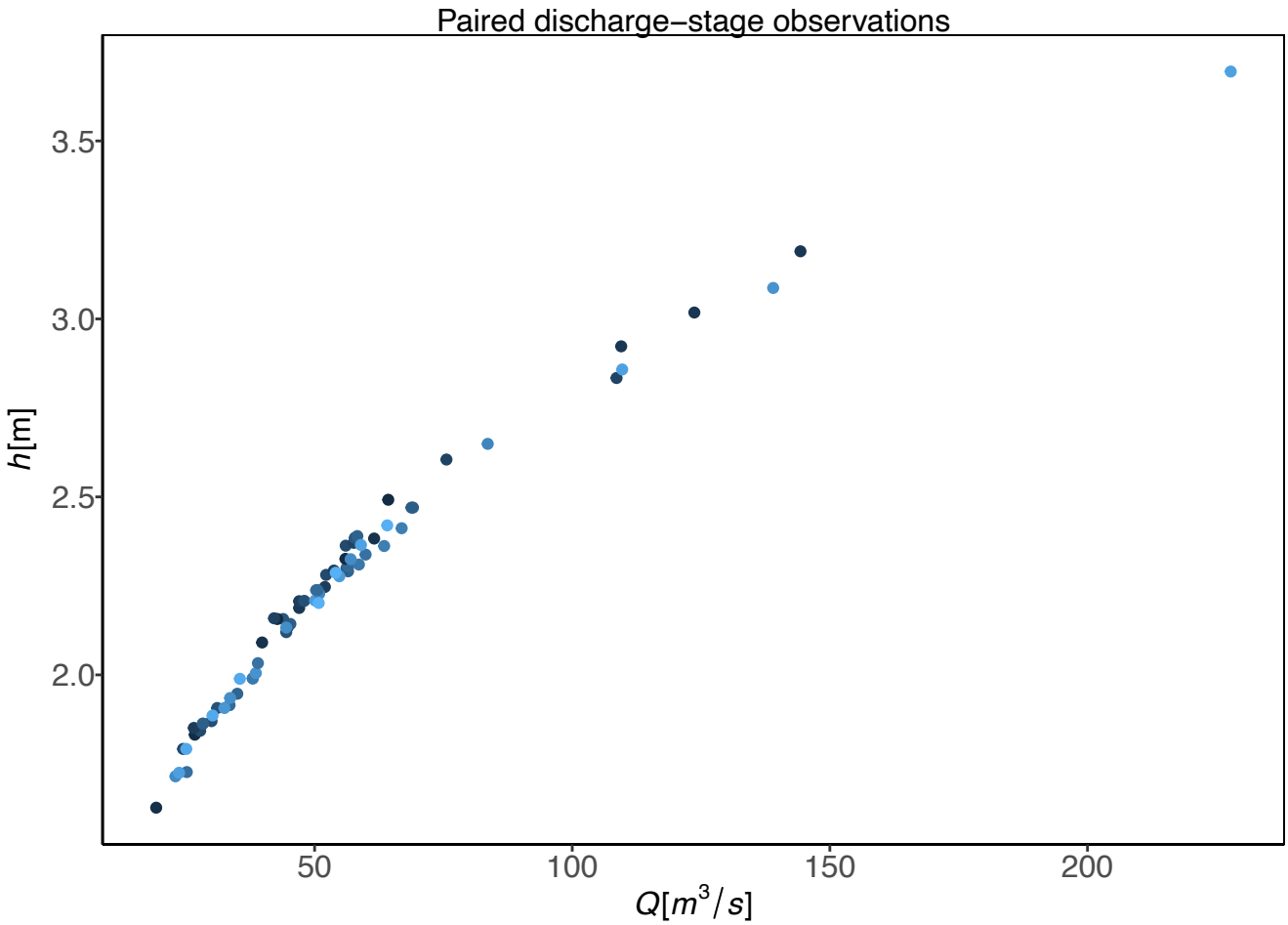
Power–law tournament results for Stórhylur, Iceland



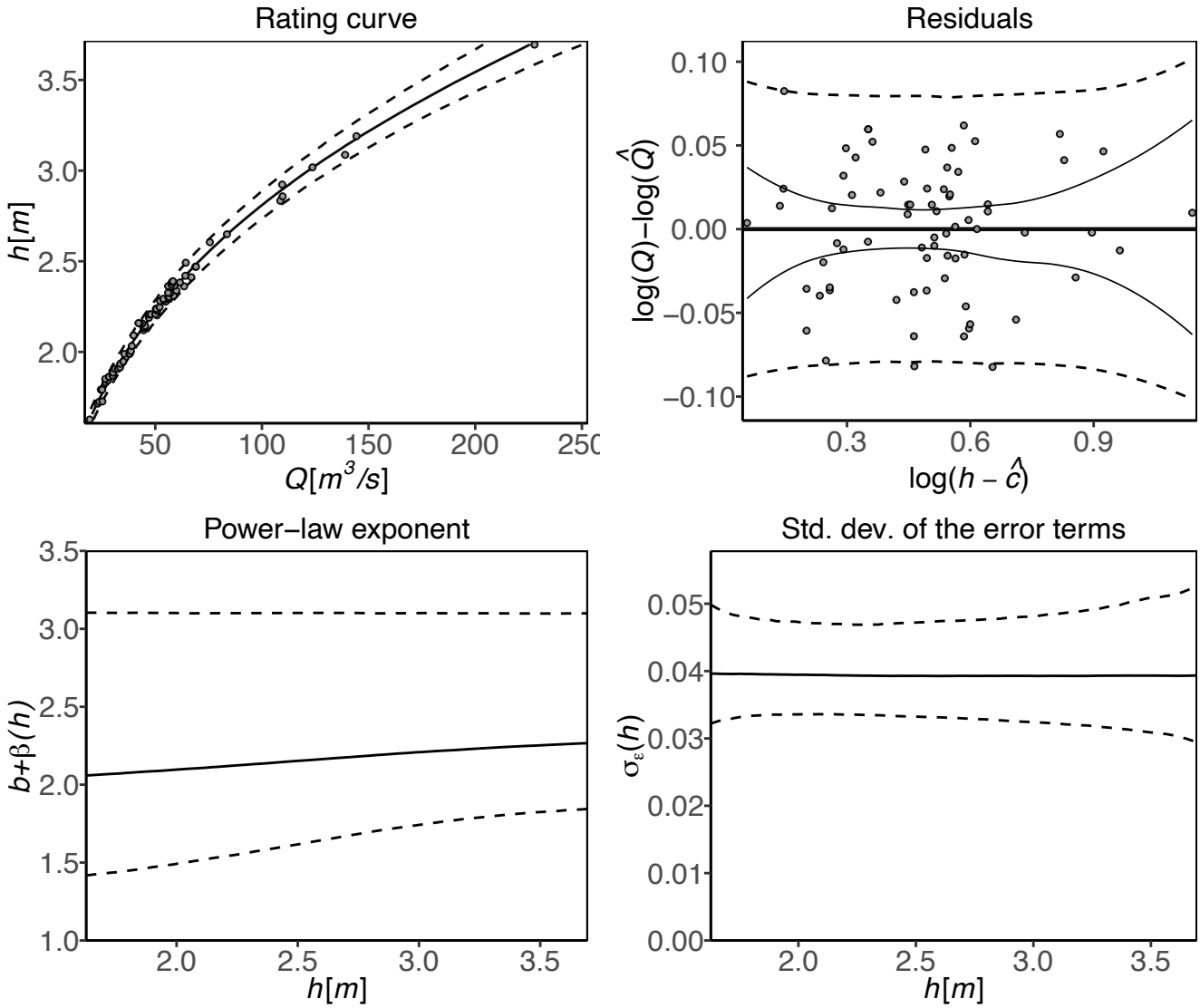
Station name:	Skatastaðir II
Location:	Iceland
Station number:	V433
Number of observations:	72
Start date:	2000–05–21
End date:	2020–09–02
Max. discharge (m^3/s):	227.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.20	0.24
GPLM0	0.05	0.26
PLM	0.37	0.22
PLM0	0.00	0.27



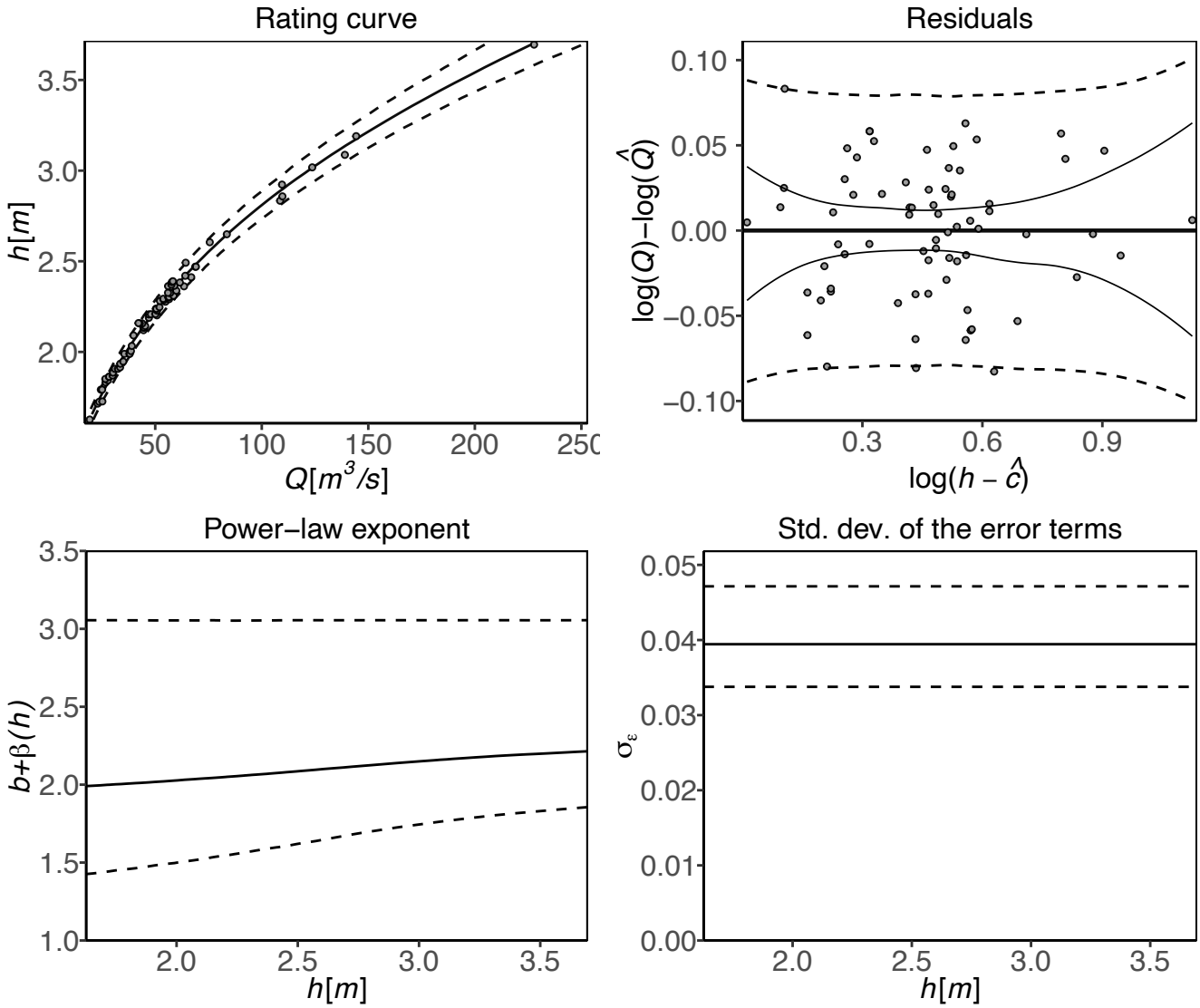


Skatastaðir II, Iceland – GPLM



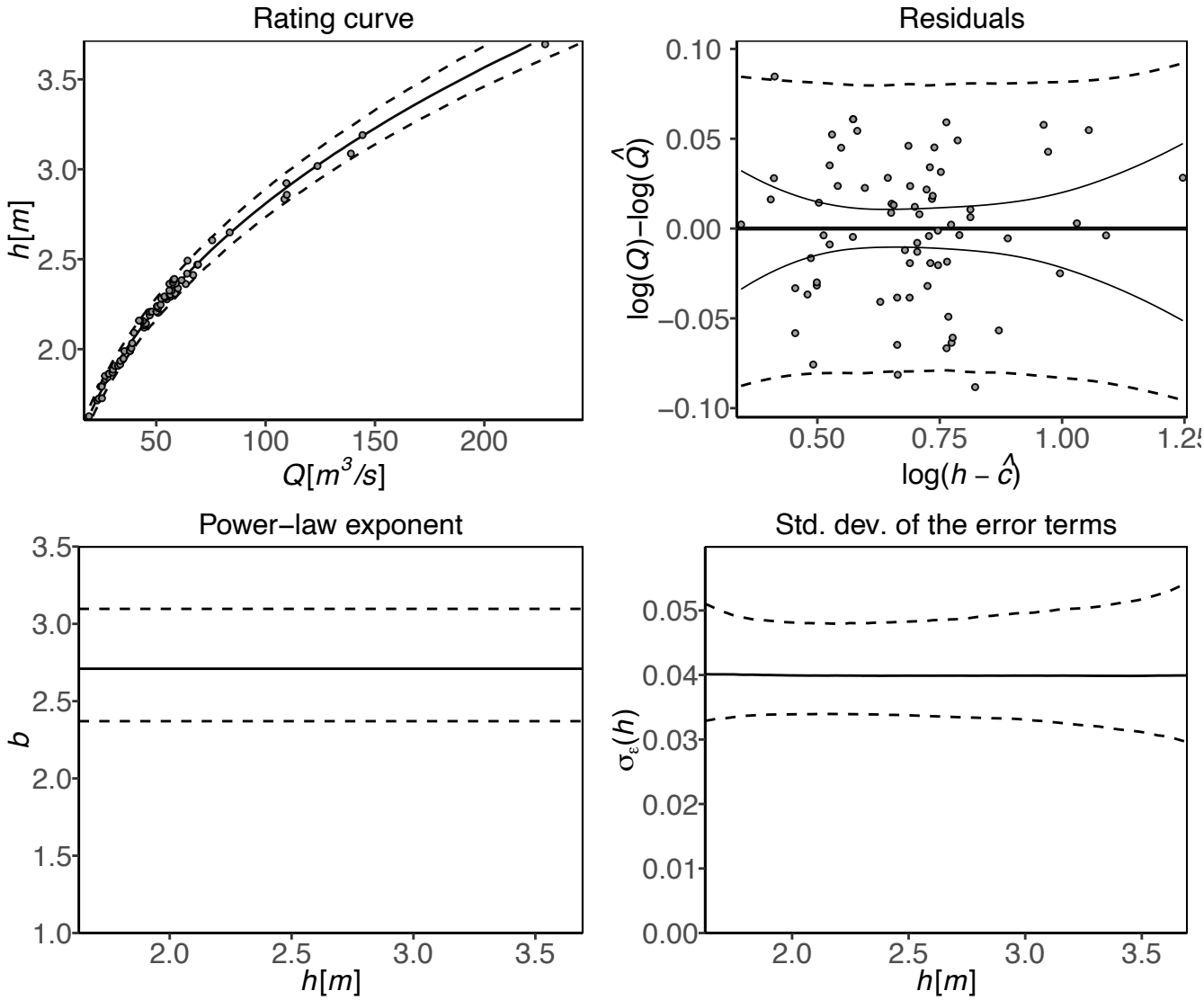
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.05	[3.73; 36.31]	1103	1.07
b	1.84	[1.83; 1.84]	8931	1.00
c	0.57	[−0.08; 0.99]	1107	1.05
σ_β	0.38	[0.11; 0.97]	1856	1.03
ϕ_β	5.45	[0.93; 260129.07]	752	1.32
σ_η	0.07	[0.00; 0.39]	1379	1.00
η_1	−6.46	[−6.87; −6.00]	1693	1.00
η_2	−6.51	[−8.35; −4.72]	2063	1.00
η_3	−6.60	[−9.07; −4.07]	2215	1.00
η_4	−6.62	[−9.69; −3.53]	2141	1.00
η_5	−6.59	[−10.27; −2.95]	2137	1.00
η_6	−6.62	[−10.74; −2.45]	2241	1.00

Skatastaðir II, Iceland – GPLM0



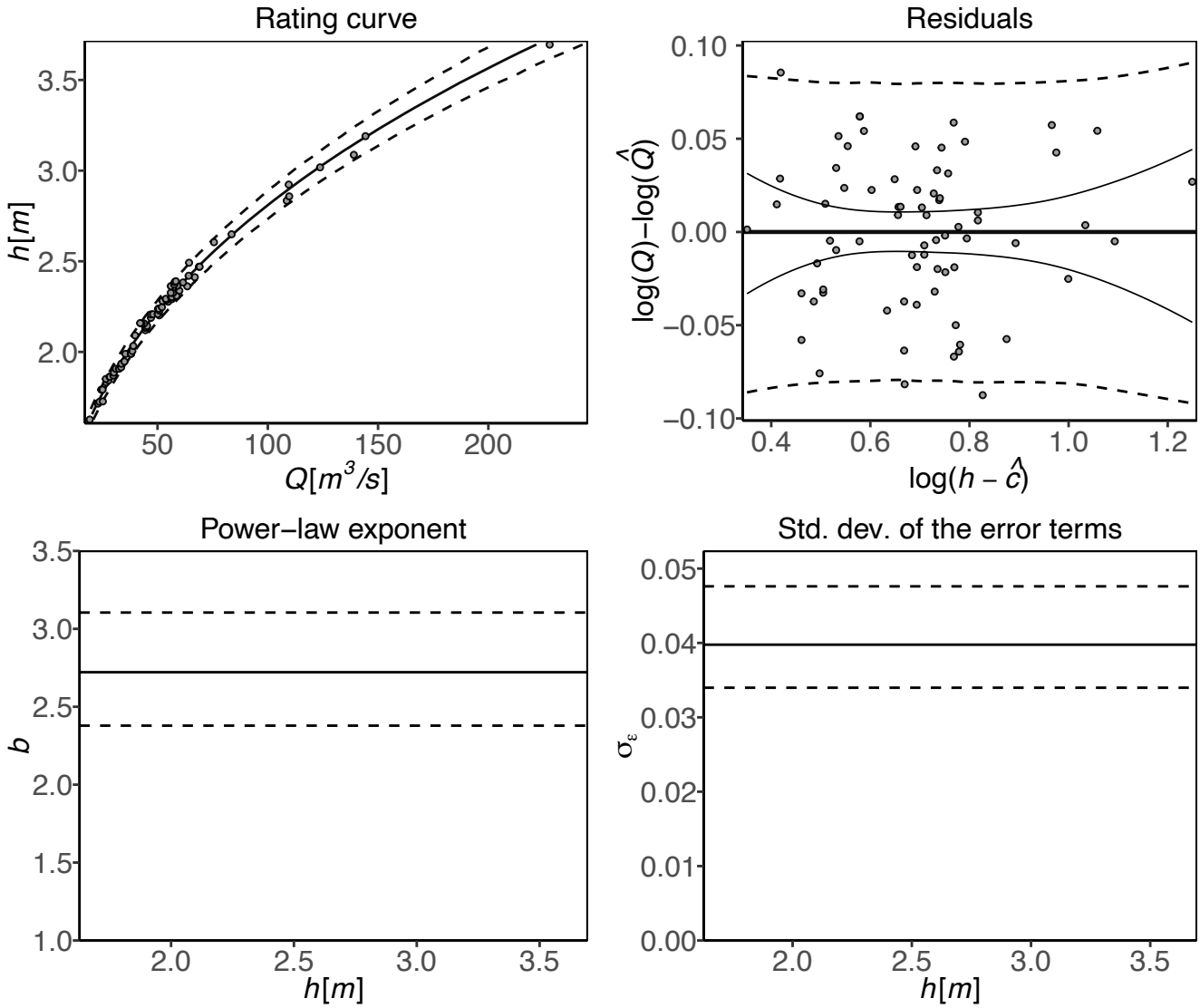
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.82	[4.09; 35.98]	1835	1.00
b	1.84	[1.83; 1.84]	11575	1.00
c	0.62	[–0.05; 0.99]	1965	1.00
σ_ε	0.04	[0.03; 0.05]	4793	1.00
σ_β	0.60	[0.33; 0.97]	3661	1.00
ϕ_β	4.58	[0.92; 1156.13]	998	1.01

Skatastaðir II, Iceland – PLM



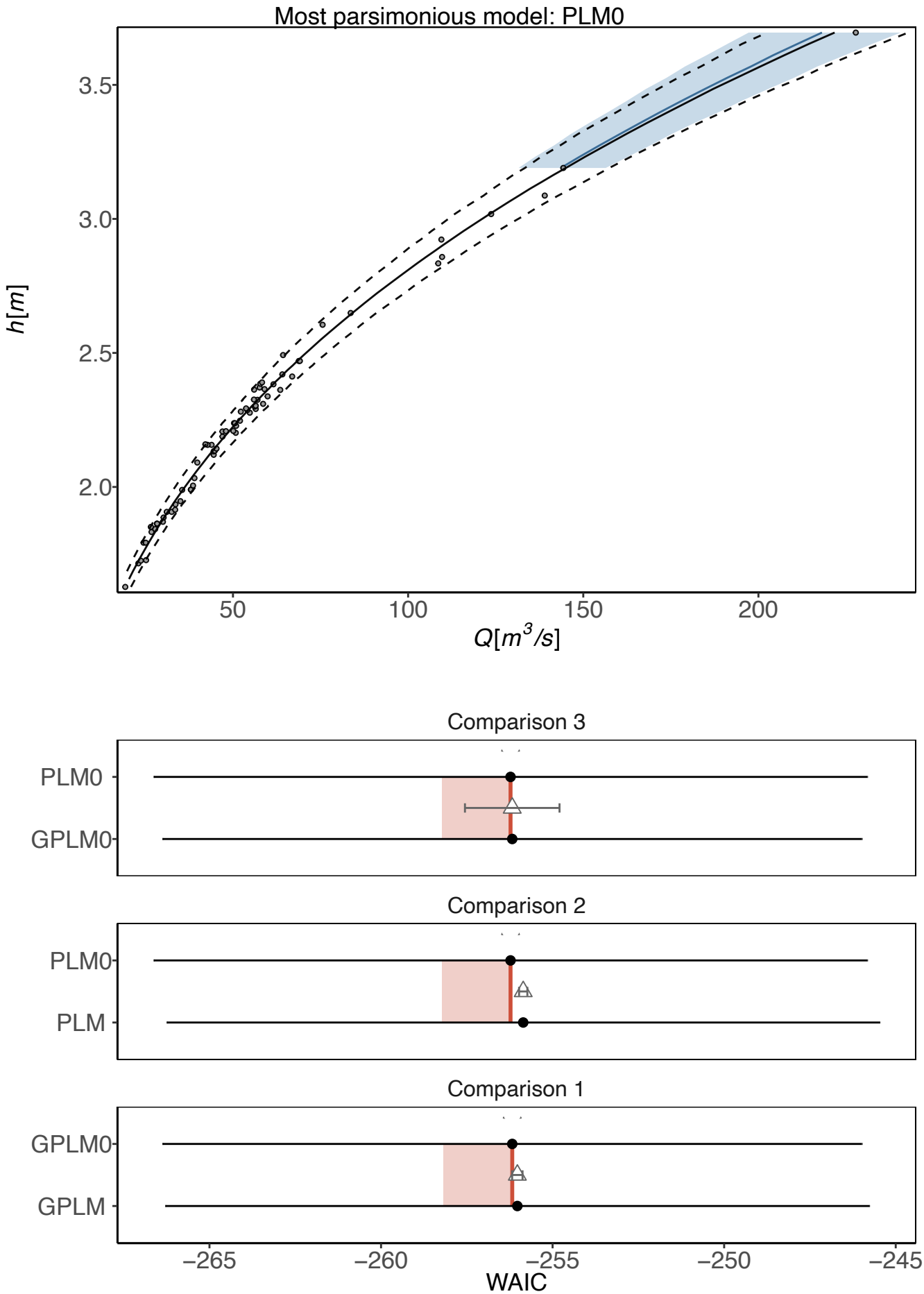
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.56	[3.76; 13.28]	2586	1.00
b	2.71	[2.37; 3.10]	2624	1.00
c	0.22	[−0.08; 0.47]	2542	1.00
σ_η	0.08	[0.00; 0.39]	1778	1.01
η_1	−6.43	[−6.83; −5.95]	2052	1.00
η_2	−6.48	[−8.25; −4.67]	2854	1.00
η_3	−6.55	[−9.03; −3.94]	2713	1.00
η_4	−6.50	[−9.62; −3.36]	2655	1.00
η_5	−6.56	[−10.24; −2.89]	2670	1.00
η_6	−6.50	[−10.67; −2.35]	2695	1.00

Skatastaðir II, Iceland – PLM0



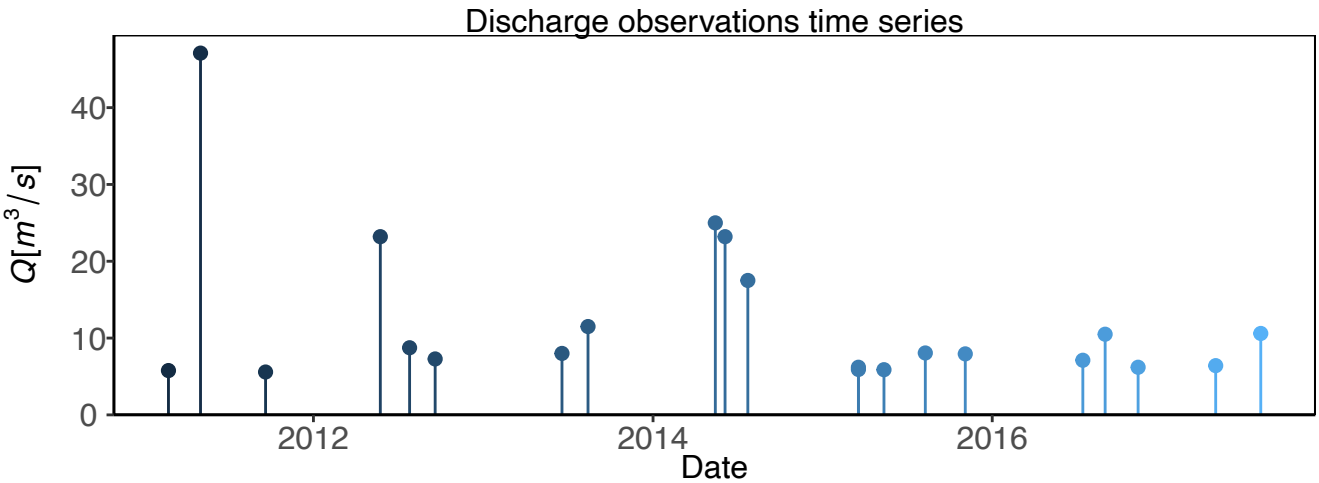
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	7.40	[3.69; 13.07]	9254	1.00
b	2.72	[2.38; 3.10]	9283	1.00
c	0.21	[–0.09; 0.46]	9269	1.00
σ_ε	0.04	[0.03; 0.05]	8996	1.00

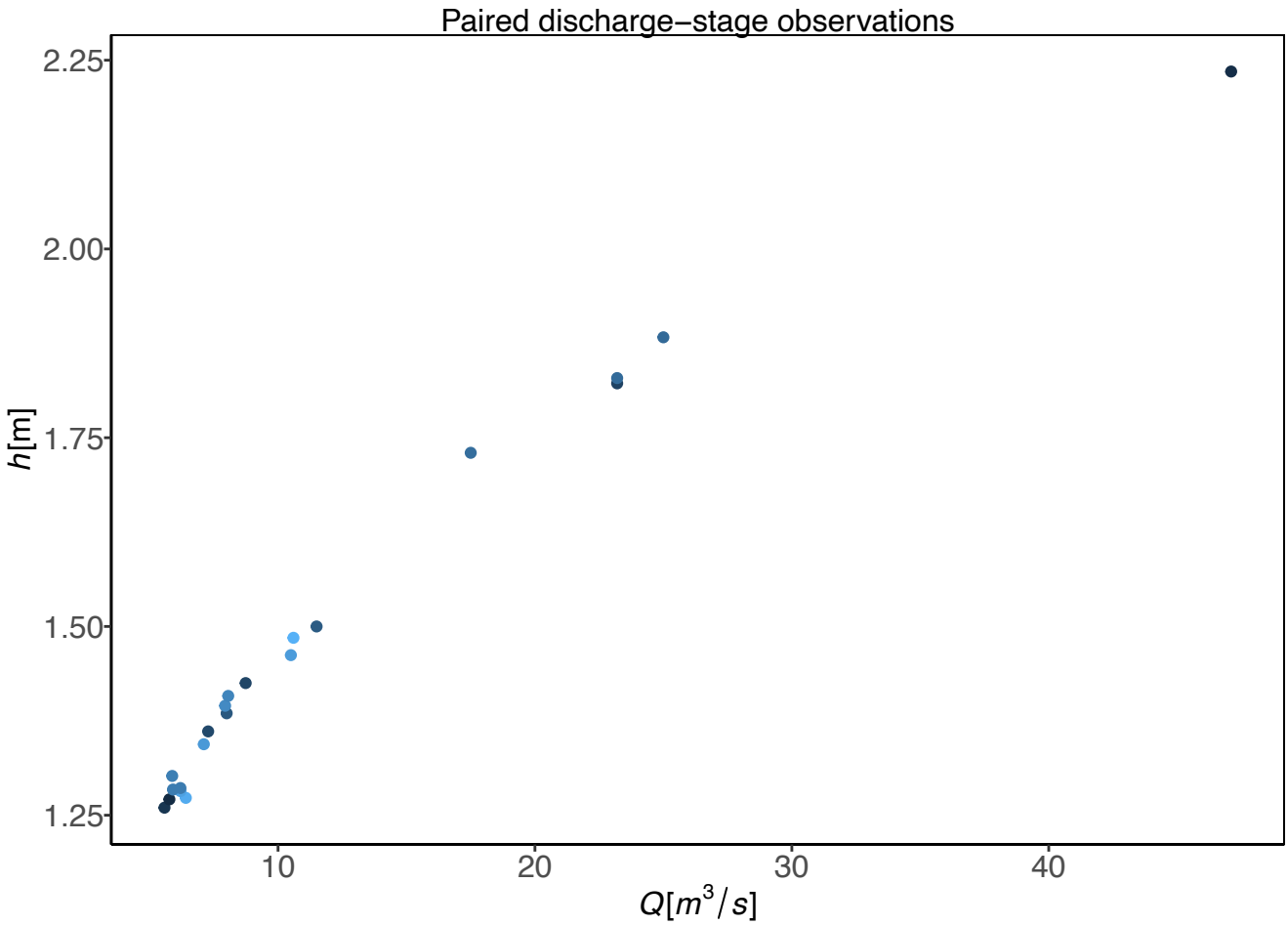
Power−law tournament results for Skatastaðir II, Iceland



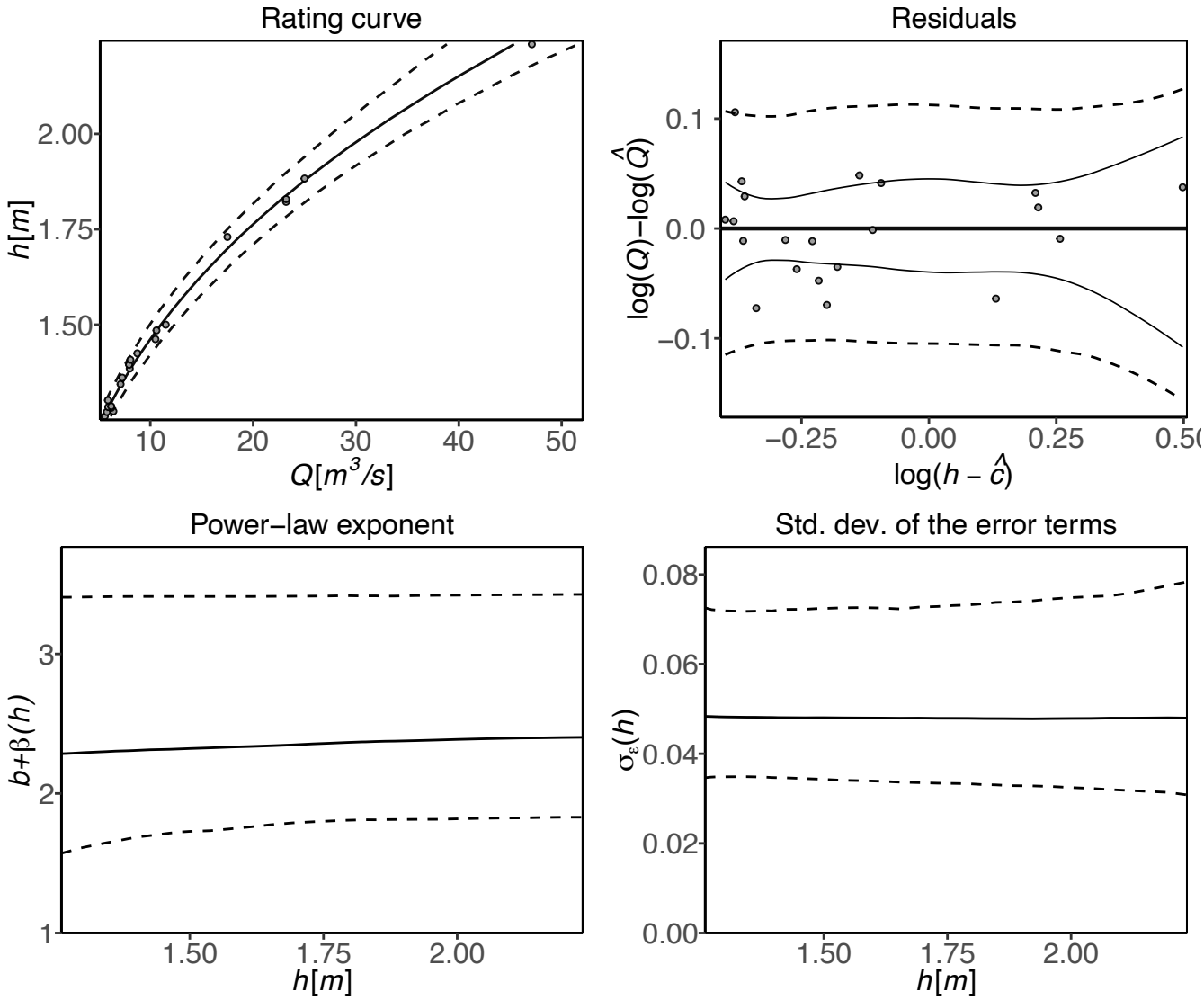
Station name:	Bjarnastaðahlíð II
Location:	Iceland
Station number:	V452
Number of observations:	21
Start date:	2011–02–23
End date:	2017–08–01
Max. discharge (m^3/s):	47.1
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.91	0.20
GPLM0	0.91	0.20
PLM	0.00	0.31
PLM0	0.05	0.30



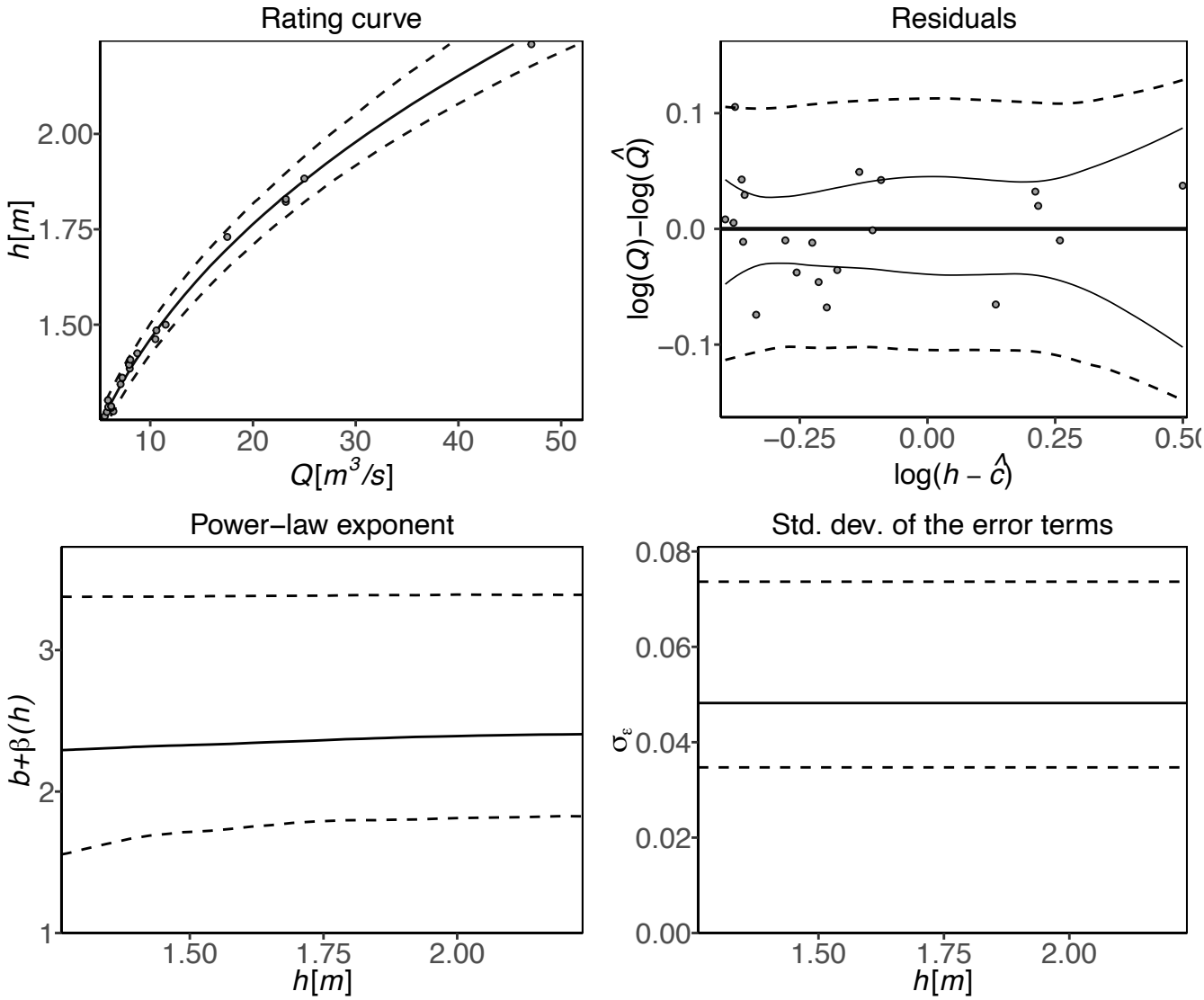


Bjarnastaðahlíð II, Iceland – GPLM



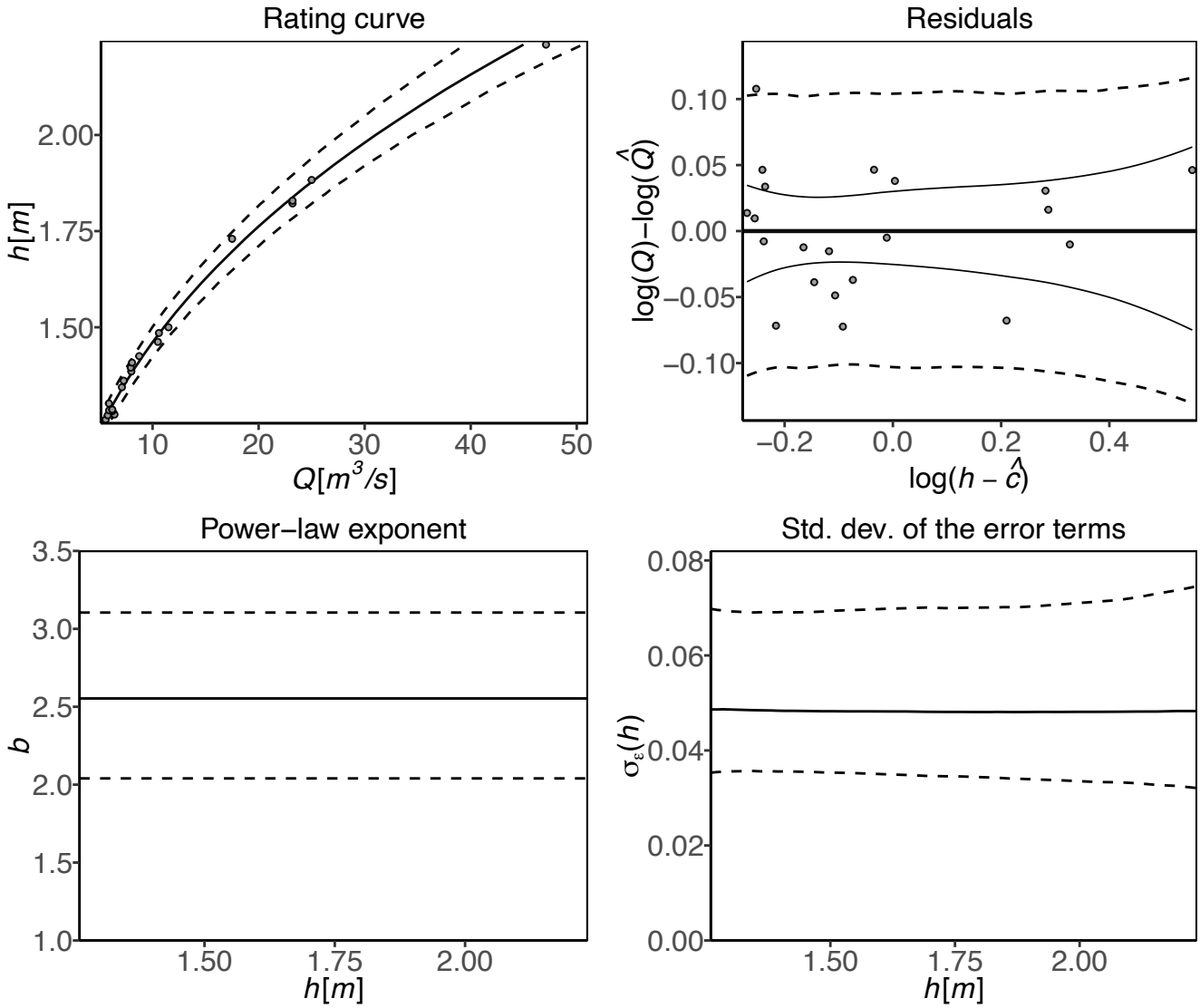
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	13.73	[3.73; 25.15]	2354	1.00
b	1.84	[1.83; 1.84]	9432	1.00
c	0.59	[0.13; 0.87]	2027	1.00
σ_β	0.42	[0.03; 1.05]	1059	1.02
ϕ_β	7.01	[0.30; 2377.09]	968	1.02
σ_η	0.08	[0.00; 0.40]	1433	1.01
η_1	−6.06	[−6.73; −5.25]	1752	1.00
η_2	−6.10	[−8.15; −4.15]	2117	1.00
η_3	−6.16	[−8.94; −3.36]	2171	1.00
η_4	−6.18	[−9.62; −2.83]	2236	1.00
η_5	−6.18	[−10.17; −2.32]	2005	1.00
η_6	−6.14	[−10.68; −1.95]	2061	1.00

Bjarnastaðahlíð II, Iceland – GPLM0



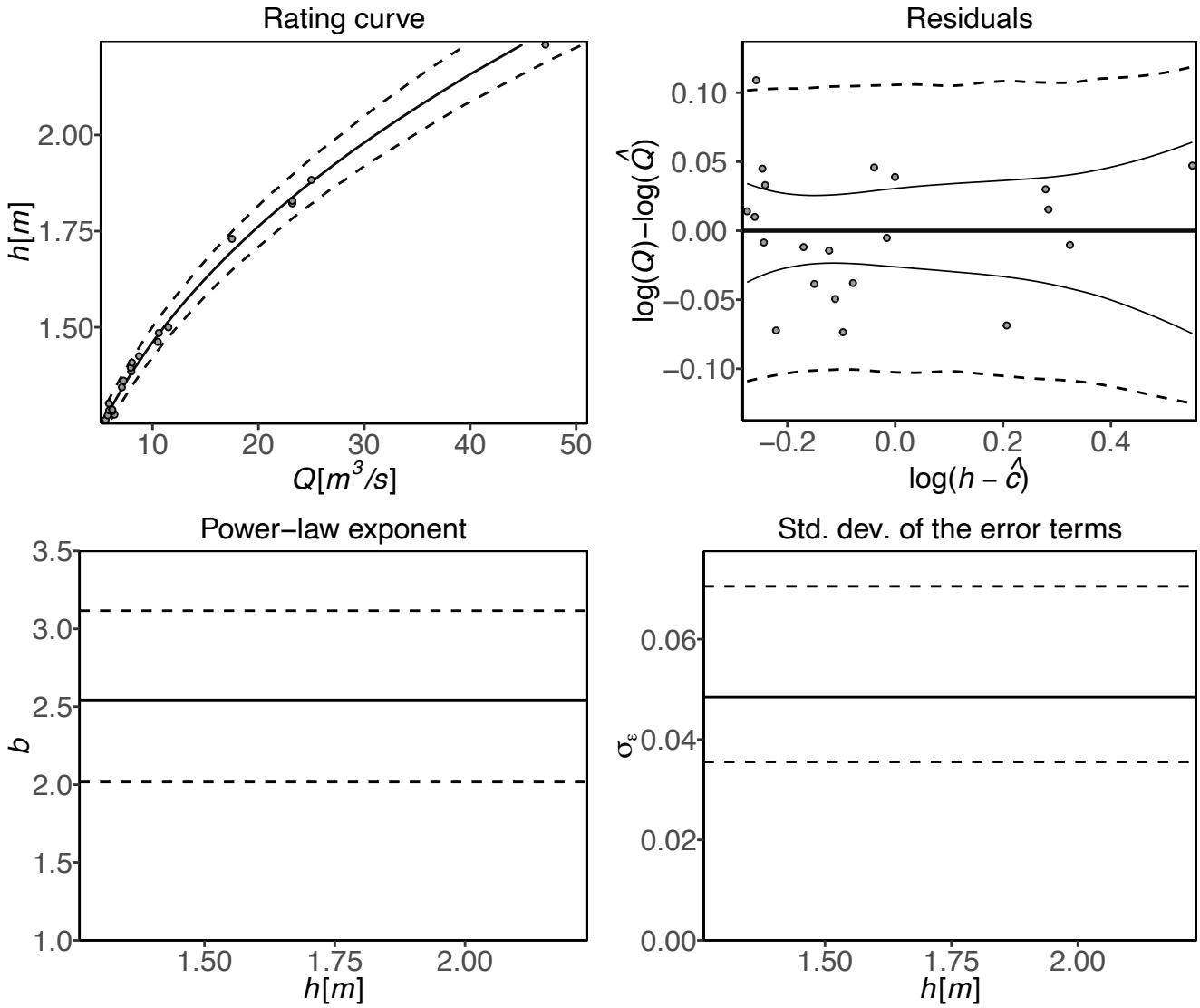
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	13.64	[3.80; 25.31]	4517	1.00
b	1.84	[1.83; 1.84]	11129	1.00
c	0.59	[0.14; 0.88]	3585	1.00
σ_ε	0.05	[0.03; 0.07]	2907	1.00
σ_β	0.65	[0.22; 1.03]	1499	1.01
ϕ_β	7.59	[0.29; 8403.54]	1129	1.01

Bjarnastaðahlíð II, Iceland – PLM



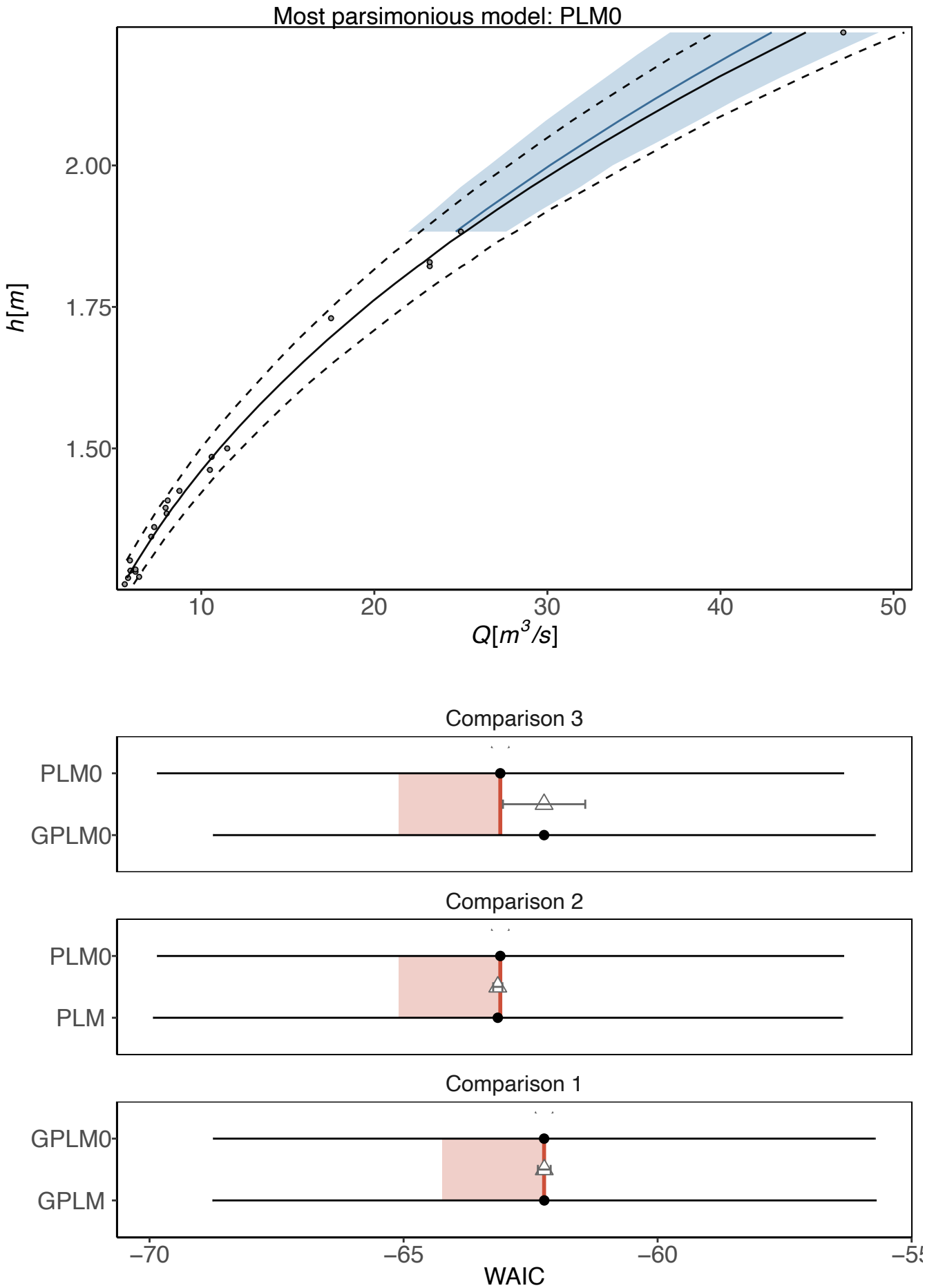
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	10.94	[5.72; 18.01]	2935	1.00
b	2.55	[2.04; 3.10]	2954	1.00
c	0.50	[0.27; 0.70]	2819	1.00
σ_η	0.08	[0.00; 0.40]	1865	1.00
η_1	–6.05	[–6.69; –5.32]	2740	1.00
η_2	–6.08	[–8.04; –4.08]	2690	1.00
η_3	–6.17	[–8.78; –3.36]	2970	1.00
η_4	–6.19	[–9.48; –2.82]	3029	1.00
η_5	–6.19	[–10.03; –2.32]	3153	1.00
η_6	–6.14	[–10.49; –1.87]	2864	1.00

Bjarnastaðahlíð II, Iceland – PLM0



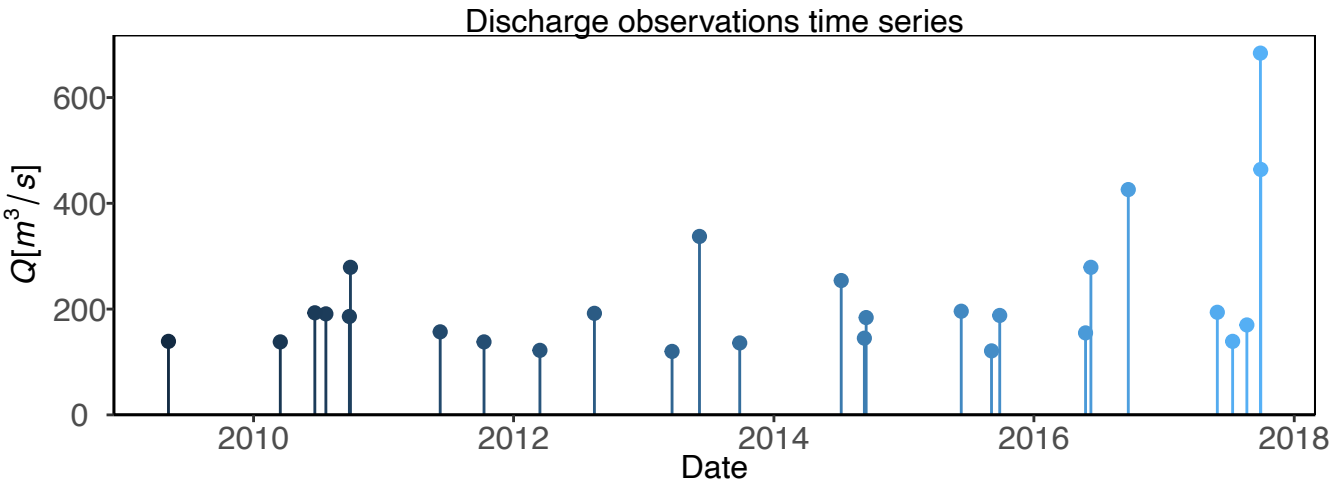
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.08	[5.52; 18.52]	9385	1.00
b	2.54	[2.02; 3.12]	9457	1.00
c	0.50	[0.26; 0.72]	9005	1.00
σ_ε	0.05	[0.04; 0.07]	9294	1.00

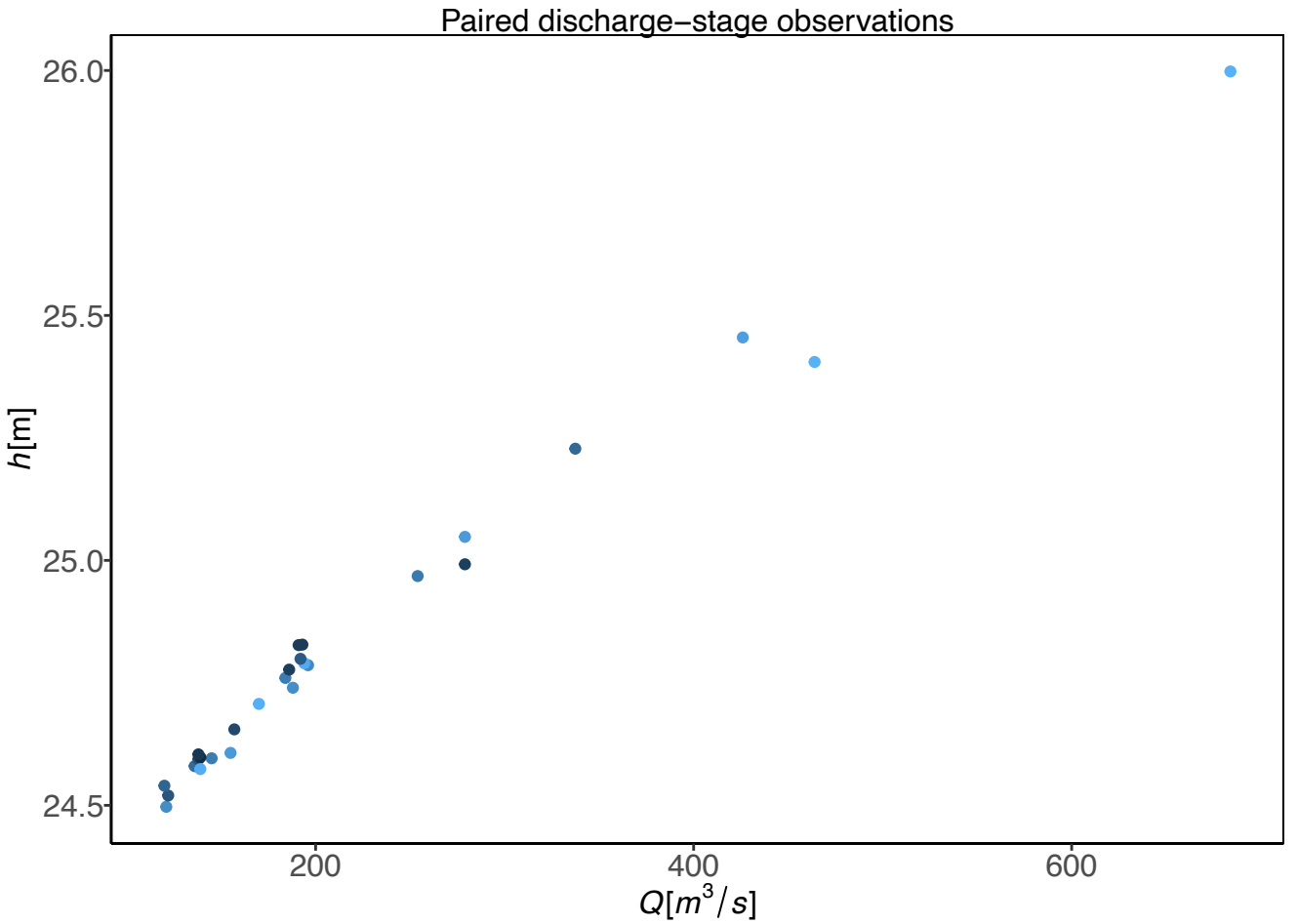
Power−law tournament results for Bjarnastaðahlíð II, Iceland



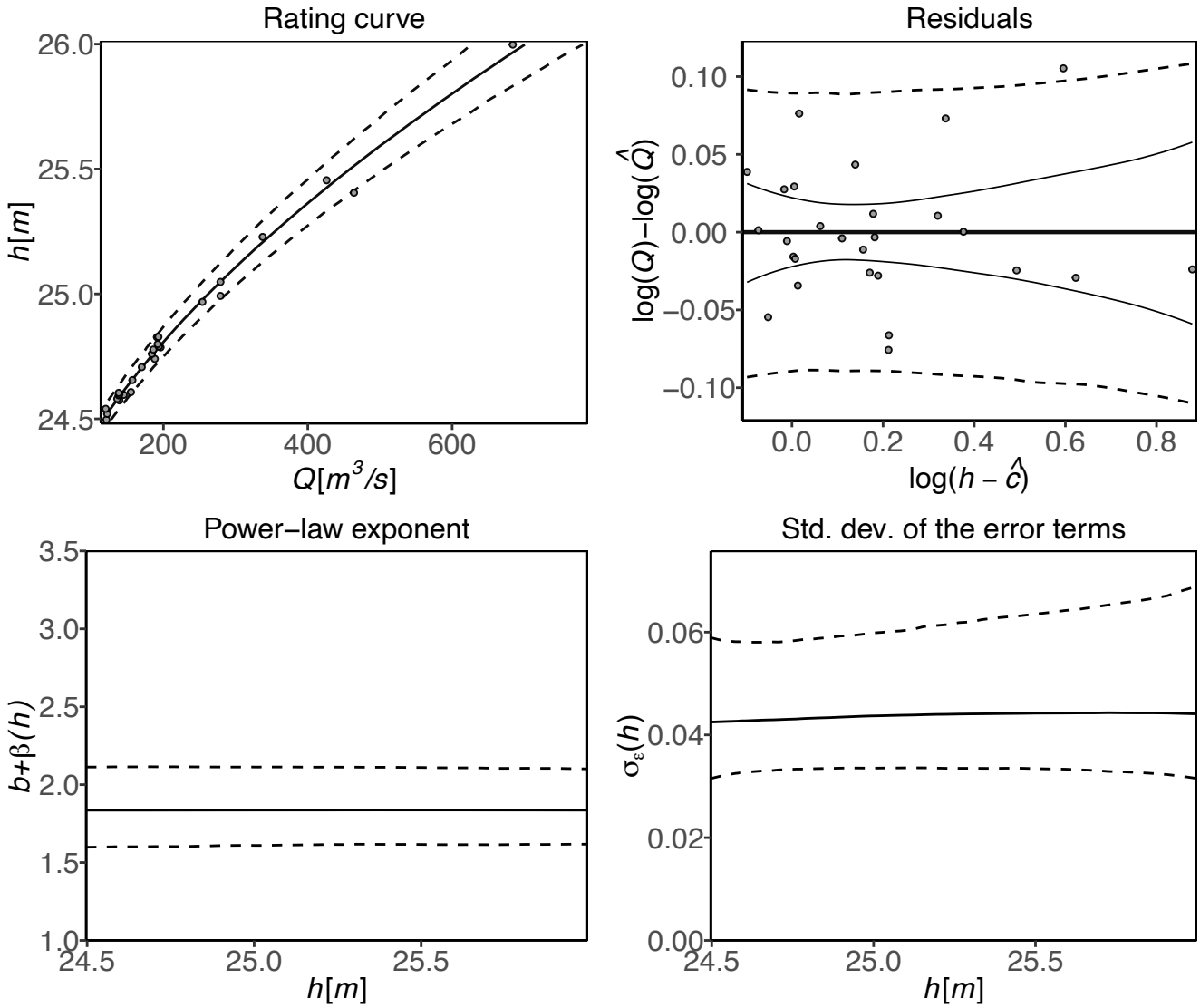
Station name:	Valþjófsstaðanes
Location:	Iceland
Station number:	V458
Number of observations:	27
Start date:	2009–05–07
End date:	2017–09–29
Max. discharge (m^3/s):	684
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.05	0.28
GPLM0	0.00	0.29
PLM	0.47	0.23
PLM0	0.76	0.20



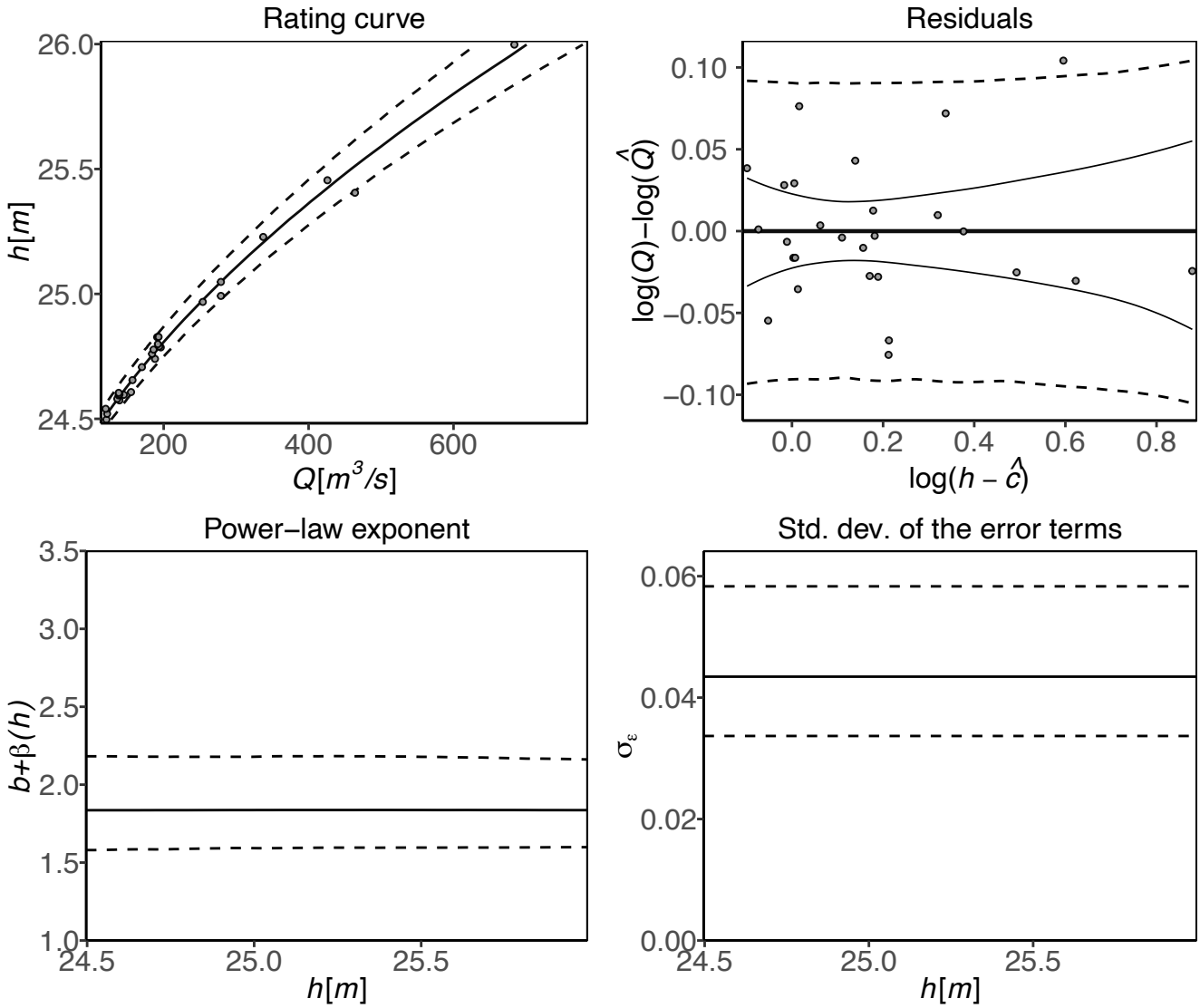


Valþjófsstaðanes, Iceland – GPLM



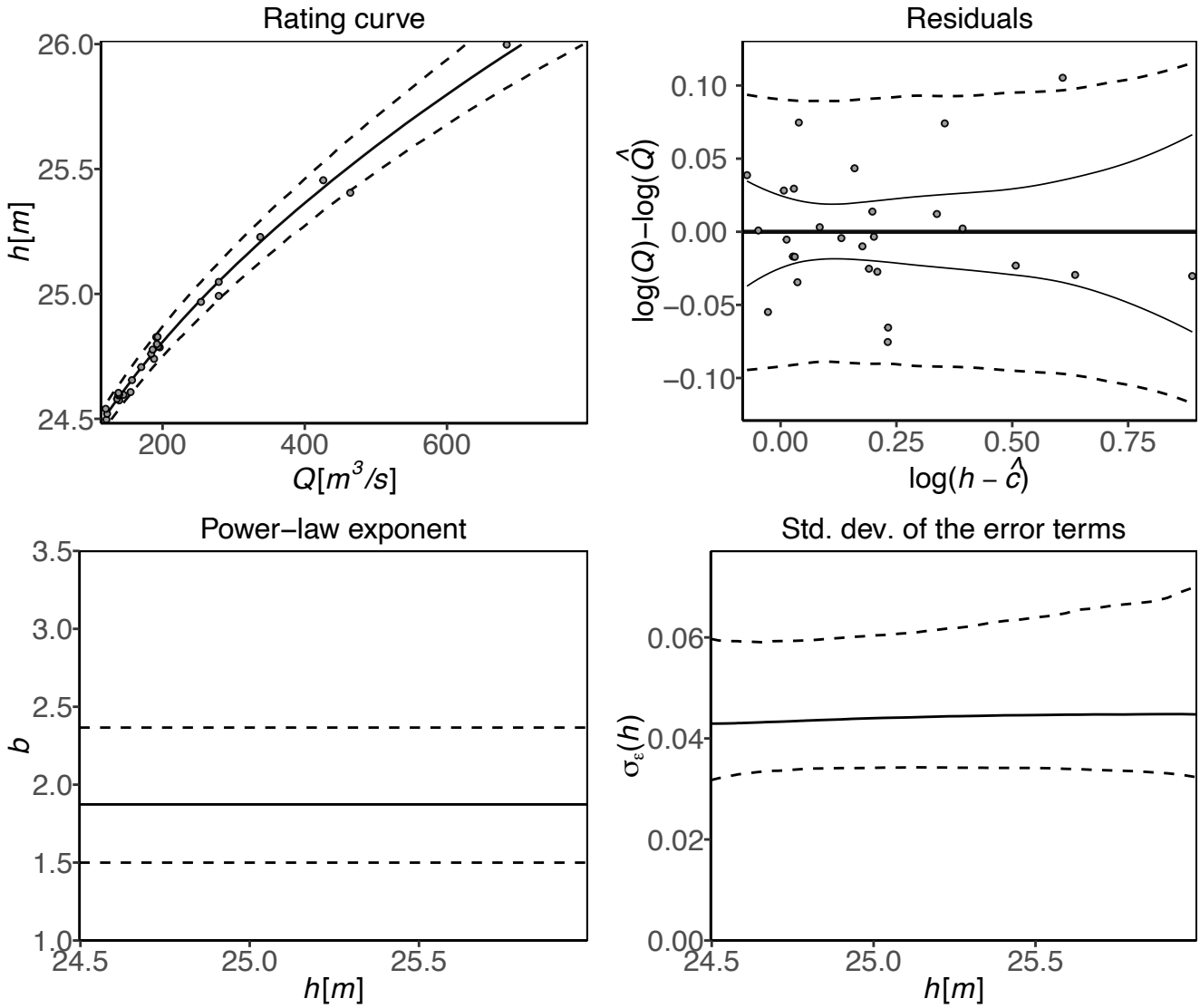
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	139.49	[95.46; 185.94]	1019	1.01
b	1.84	[1.83; 1.84]	8949	1.00
c	23.59	[23.39; 23.76]	1024	1.01
σ_β	0.09	[0.00; 0.48]	1553	1.00
ϕ_β	19.12	[0.77; 11676.75]	1410	1.00
σ_η	0.08	[0.00; 0.45]	1438	1.01
η_1	−6.32	[−6.91; −5.66]	1991	1.00
η_2	−6.22	[−8.04; −4.32]	2256	1.00
η_3	−6.01	[−8.60; −3.45]	2265	1.00
η_4	−5.84	[−9.24; −2.77]	2309	1.00
η_5	−5.85	[−9.71; −2.18]	2212	1.00
η_6	−5.89	[−10.17; −1.80]	2211	1.00

Valþjófsstaðanes, Iceland – GPLM0



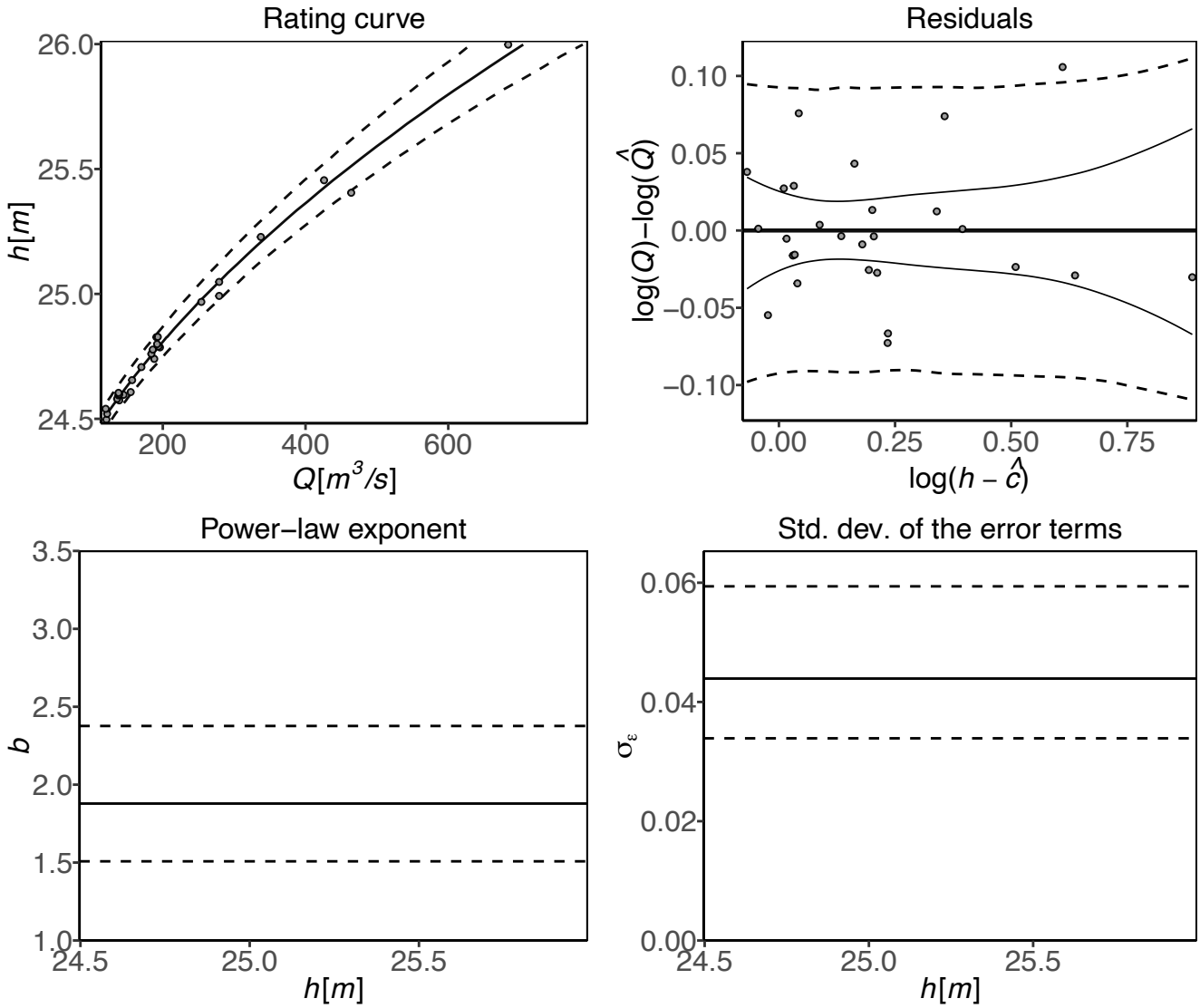
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	139.39	[87.42; 190.04]	1322	1.00
b	1.84	[1.83; 1.84]	10720	1.00
c	23.59	[23.35; 23.77]	1341	1.00
σ_ε	0.04	[0.03; 0.06]	4809	1.00
σ_β	0.31	[0.06; 0.71]	2692	1.00
ϕ_β	21.33	[0.80; 14690.25]	2867	1.00

Valþjófsstaðanes, Iceland – PLM



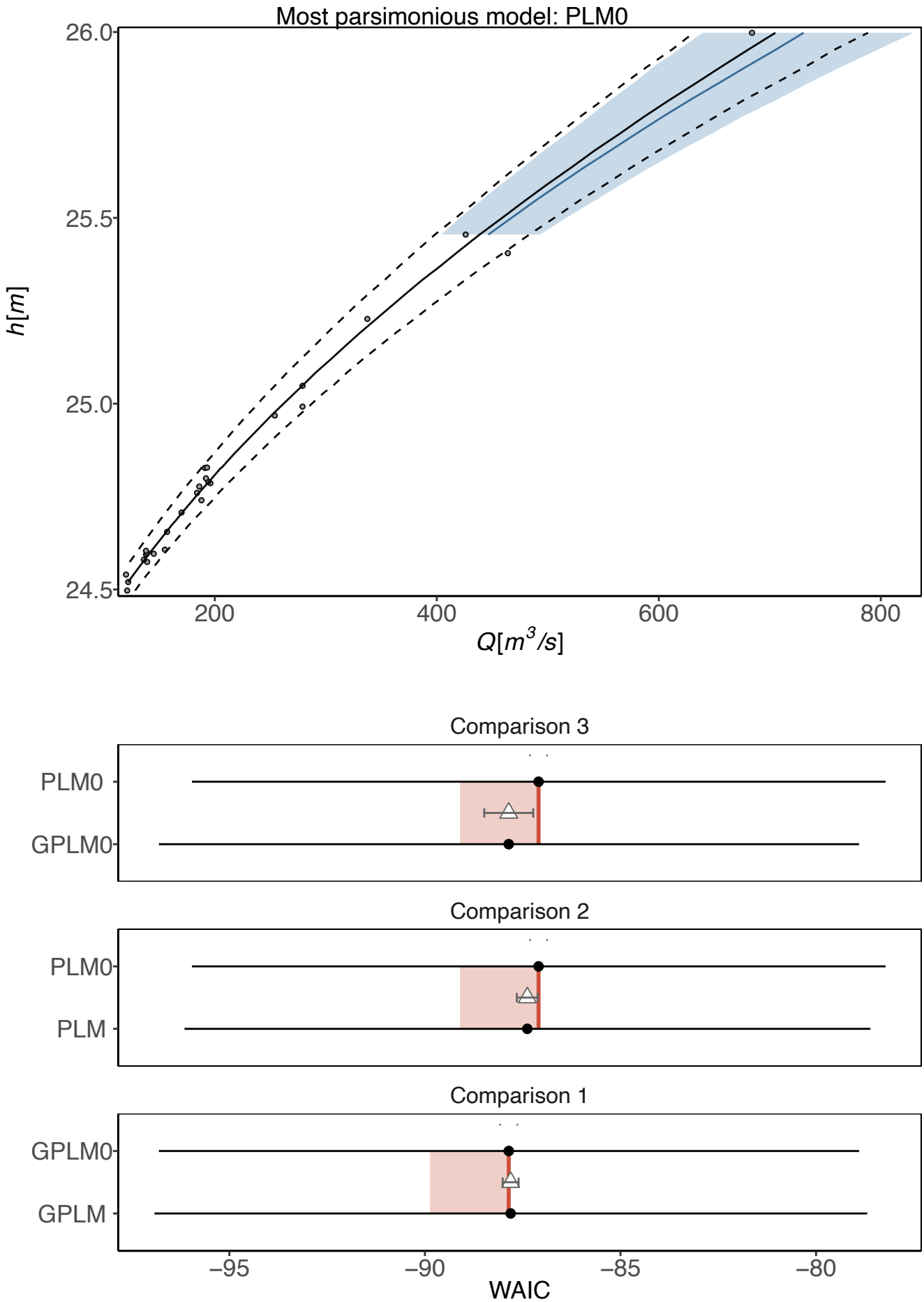
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	133.35	[64.83; 210.74]	2718	1.00
b	1.87	[1.50; 2.37]	2772	1.00
c	23.57	[23.20; 23.83]	2683	1.00
σ_η	0.08	[0.00; 0.43]	1733	1.00
η_1	–6.30	[–6.90; –5.64]	2568	1.00
η_2	–6.20	[–8.01; –4.33]	2795	1.00
η_3	–6.02	[–8.64; –3.41]	2807	1.00
η_4	–5.82	[–9.12; –2.73]	2804	1.00
η_5	–5.79	[–9.61; –2.16]	2788	1.00
η_6	–5.75	[–10.03; –1.66]	2992	1.00

Valþjófsstaðanes, Iceland – PLM0



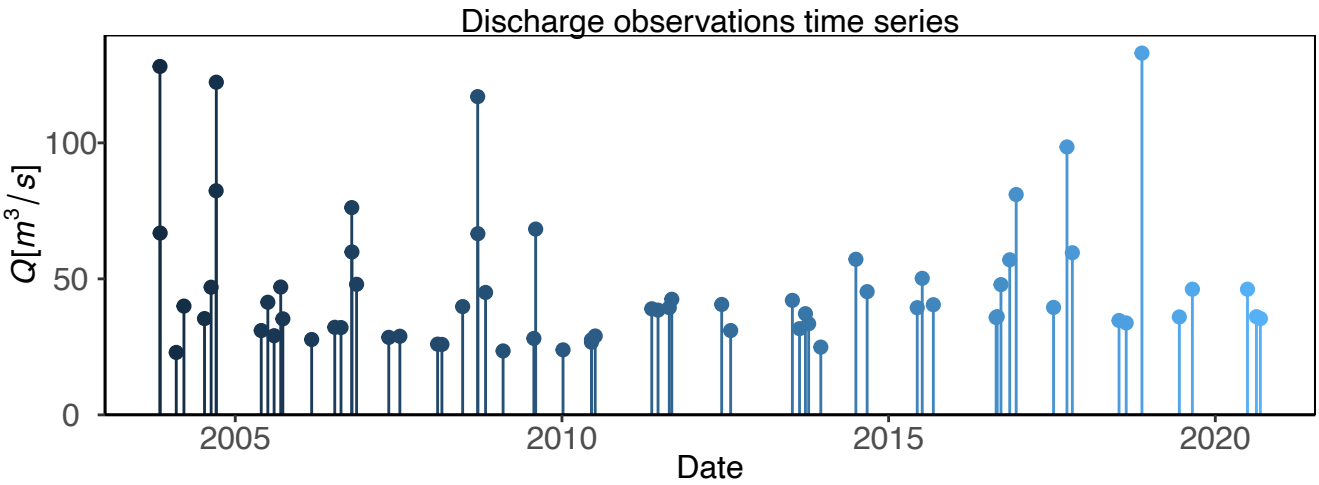
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	132.57	[63.45; 209.42]	8828	1.00
b	1.88	[1.51; 2.38]	8954	1.00
c	23.56	[23.19; 23.83]	8992	1.00
σ_ε	0.04	[0.03; 0.06]	8780	1.00

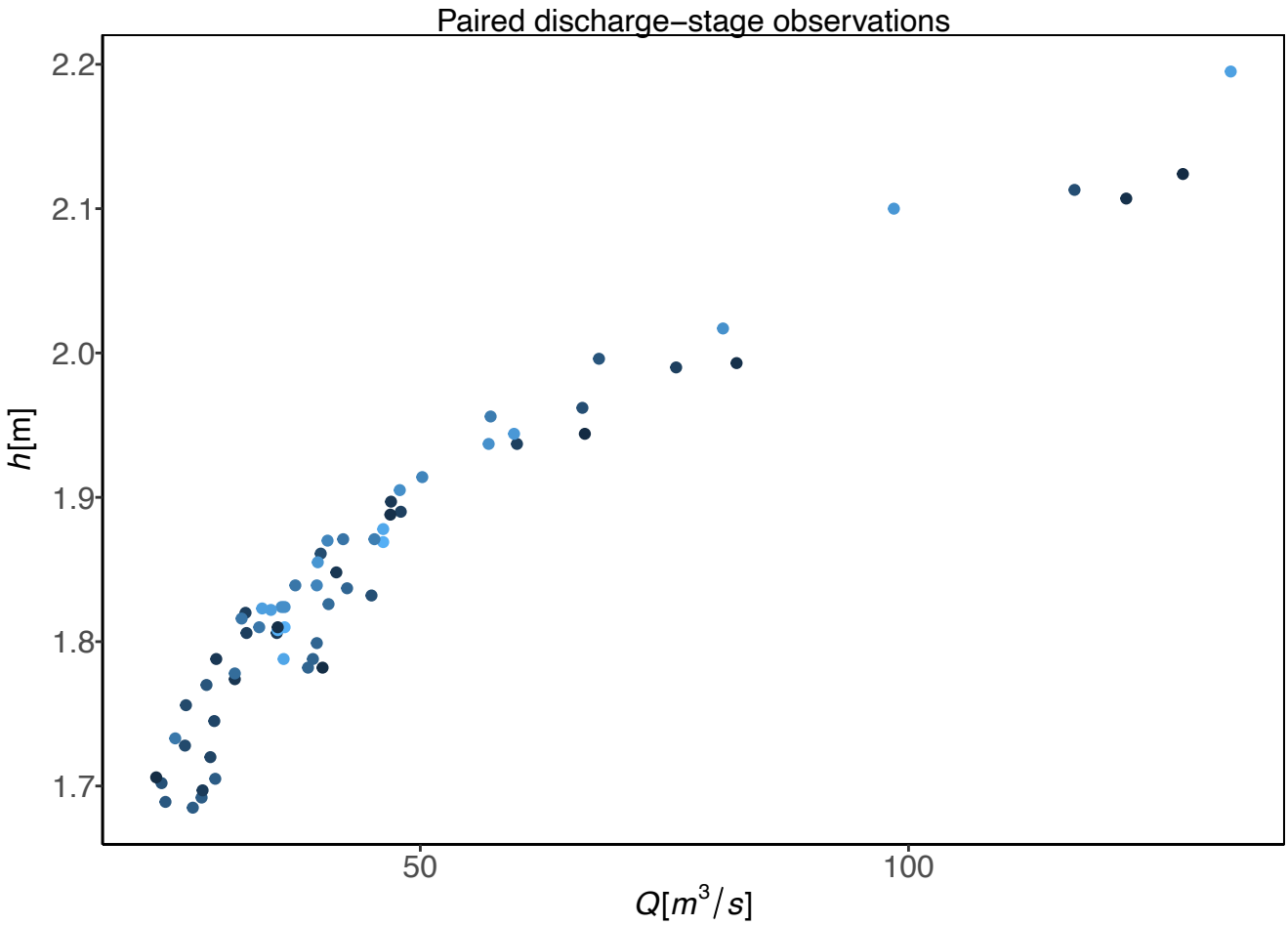
Power−law tournament results for Valþjófsstaðanes, Iceland



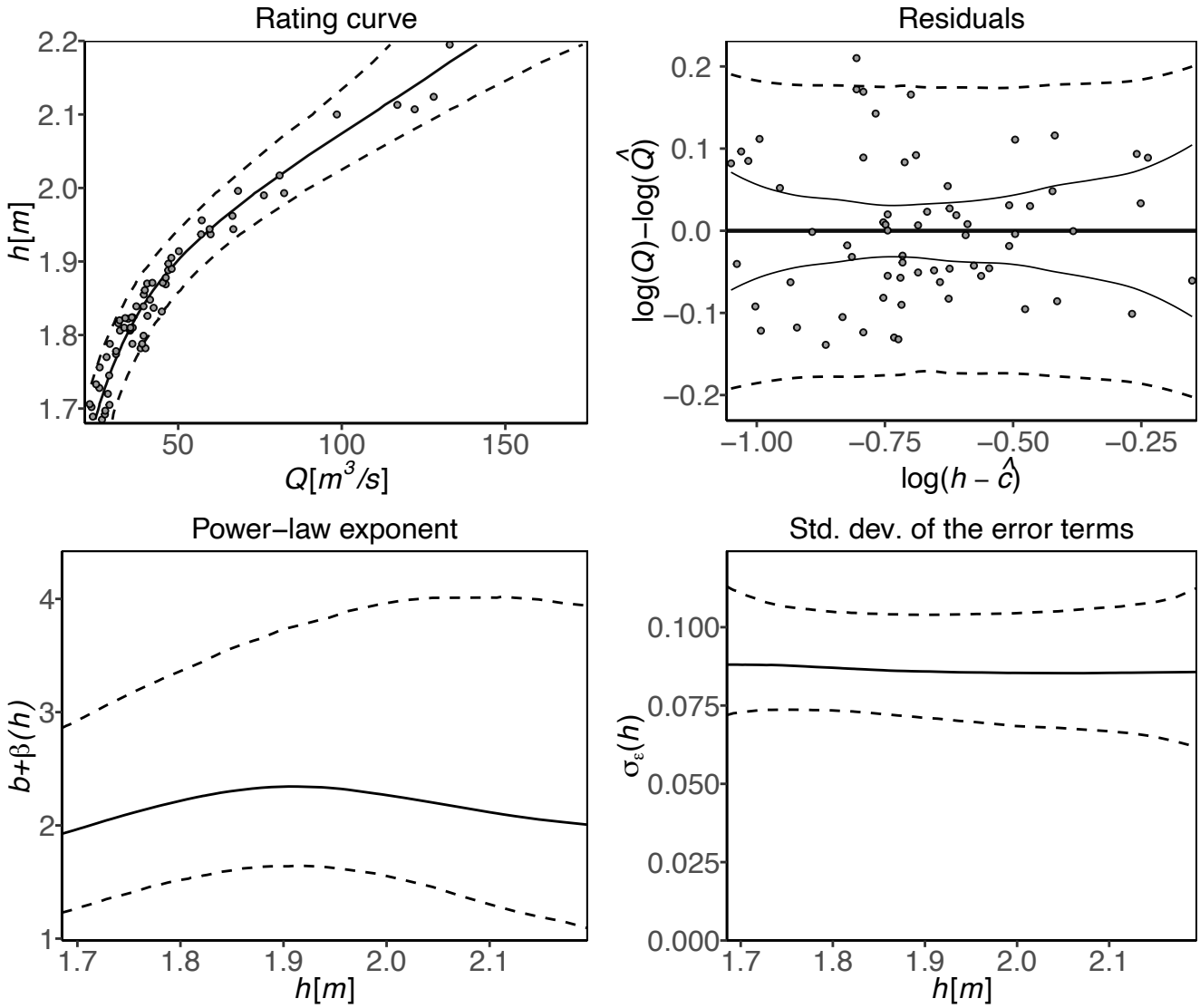
Station name:	Hólmsárfoss
Location:	Iceland
Station number:	V468
Number of observations:	66
Start date:	2003–11–07
End date:	2020–09–09
Max. discharge (m^3/s):	133
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.00	0.52
GPLM0	0.16	0.48
PLM	30.20	0.00
PLM0	30.84	0.00



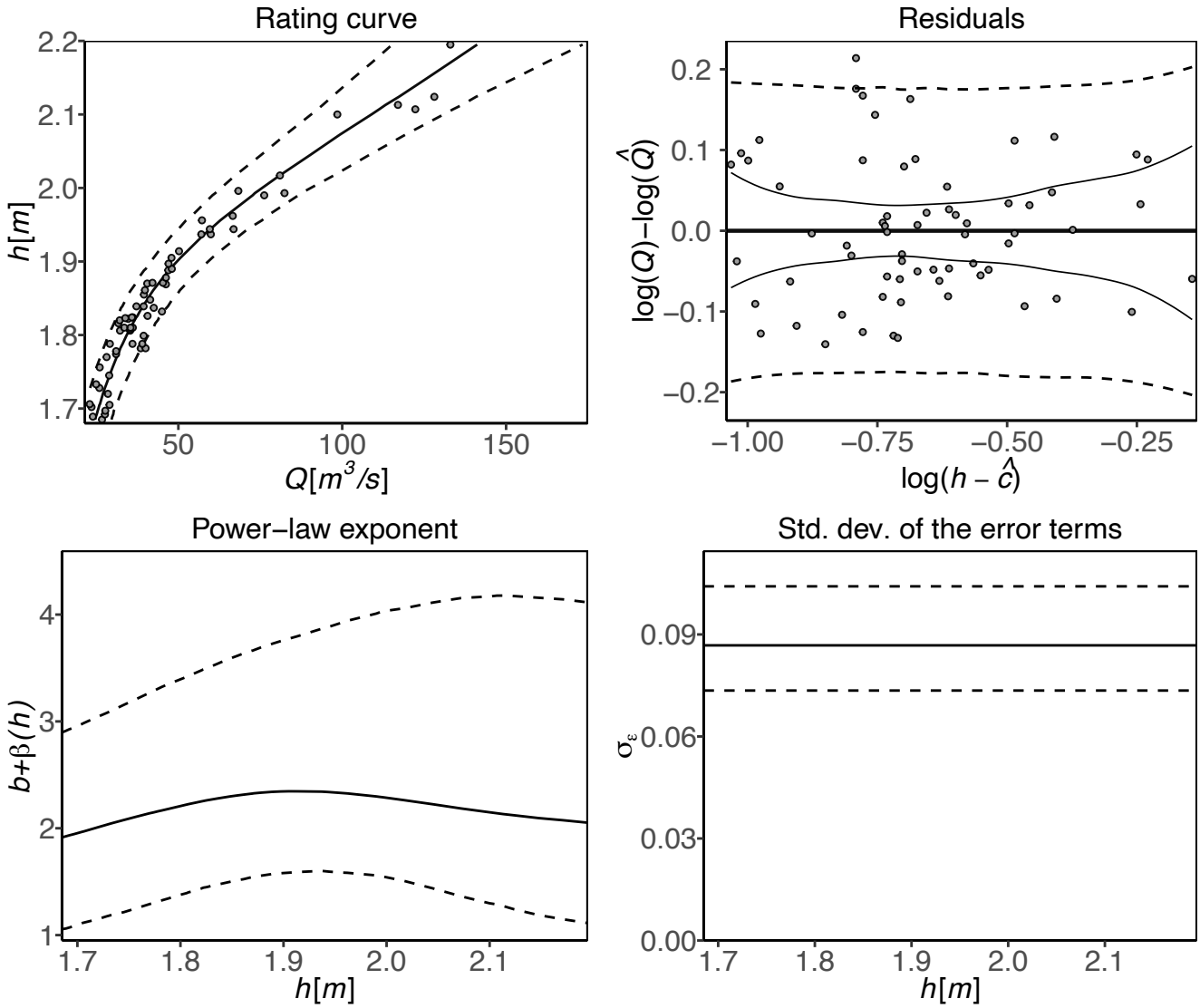


Hólmsárfoss, Iceland – GPLM



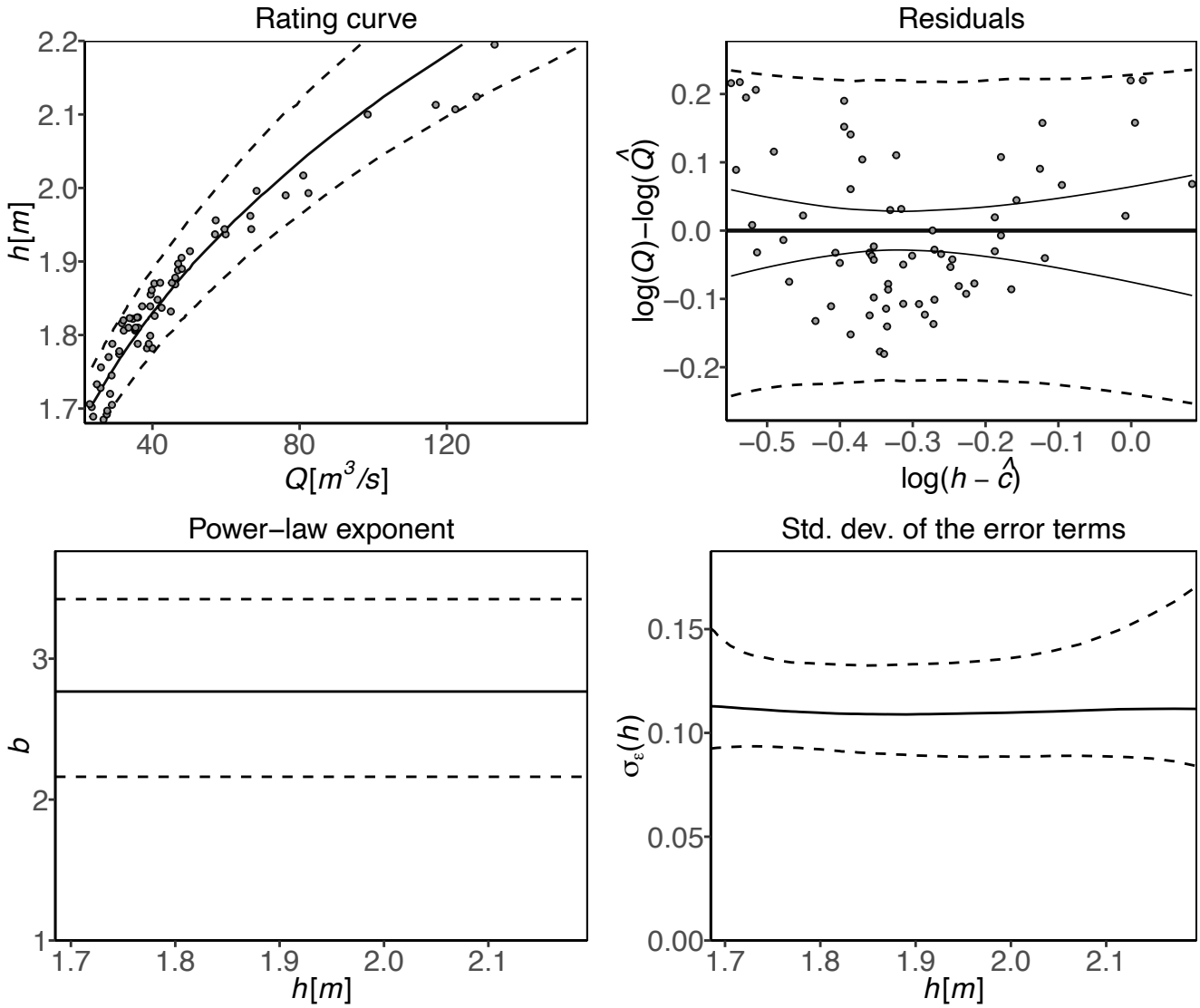
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	186.17	[15.03; 311.77]	923	1.02
b	1.84	[1.83; 1.84]	9292	1.00
c	1.34	[0.21; 1.52]	1011	1.02
σ_β	0.48	[0.18; 1.19]	2065	1.00
ϕ_β	0.35	[0.15; 0.77]	1931	1.00
σ_η	0.08	[0.00; 0.41]	1588	1.00
η_1	−4.86	[−5.26; −4.36]	1944	1.00
η_2	−4.86	[−6.71; −3.06]	2172	1.00
η_3	−5.16	[−7.63; −2.55]	2268	1.00
η_4	−5.33	[−8.32; −2.09]	2290	1.00
η_5	−5.33	[−8.86; −1.60]	2332	1.00
η_6	−5.31	[−9.27; −1.04]	2170	1.00

Hólmsárfoss, Iceland – GPLM0



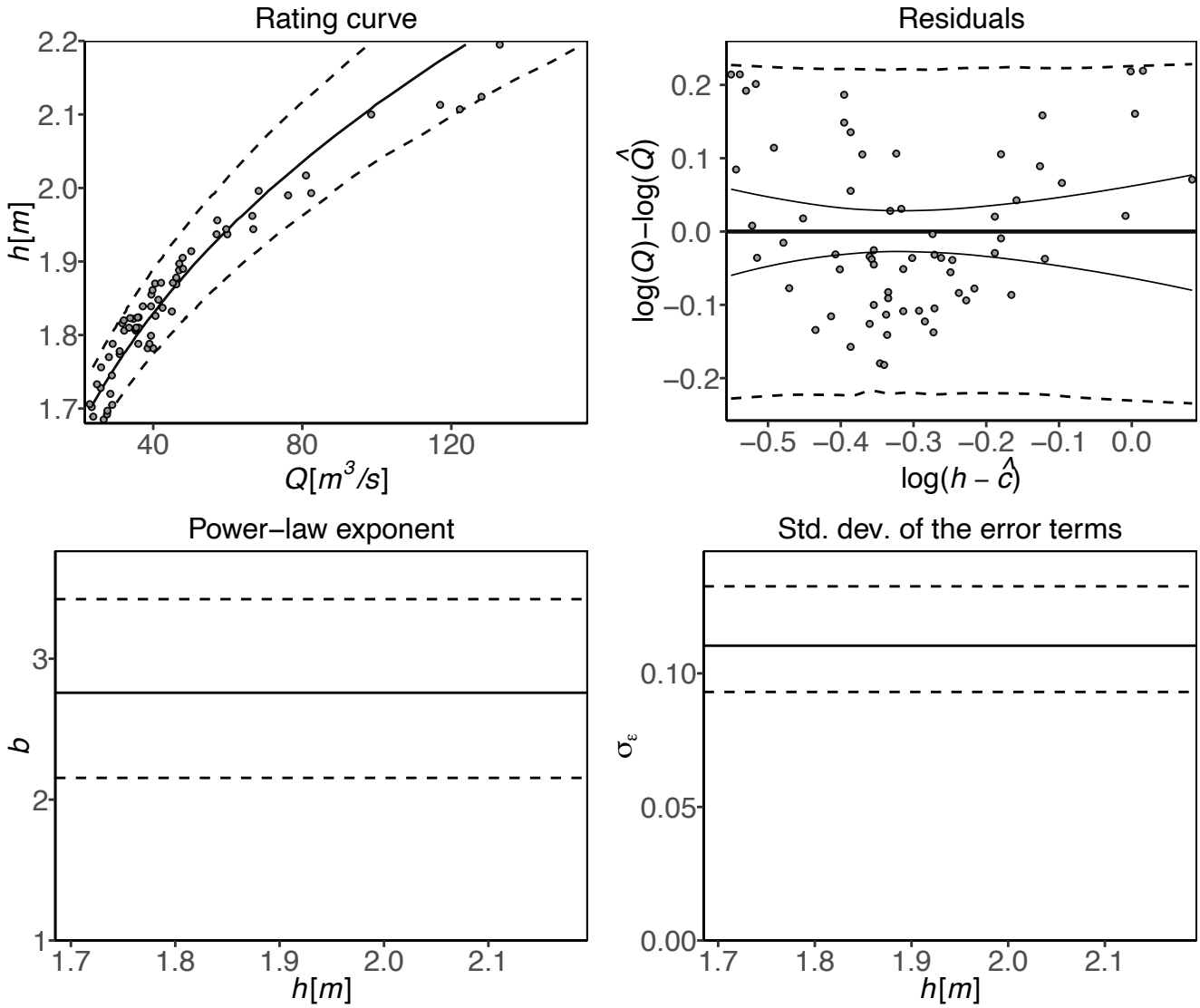
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	183.27	[9.41; 308.73]	994	1.01
b	1.83	[1.83; 1.84]	12472	1.00
c	1.33	[–0.30; 1.52]	1102	1.01
σ_ε	0.09	[0.07; 0.10]	5126	1.00
σ_β	0.71	[0.43; 1.12]	3264	1.00
ϕ_β	0.36	[0.16; 0.81]	3509	1.00

Hólmsárfoss, Iceland – PLM



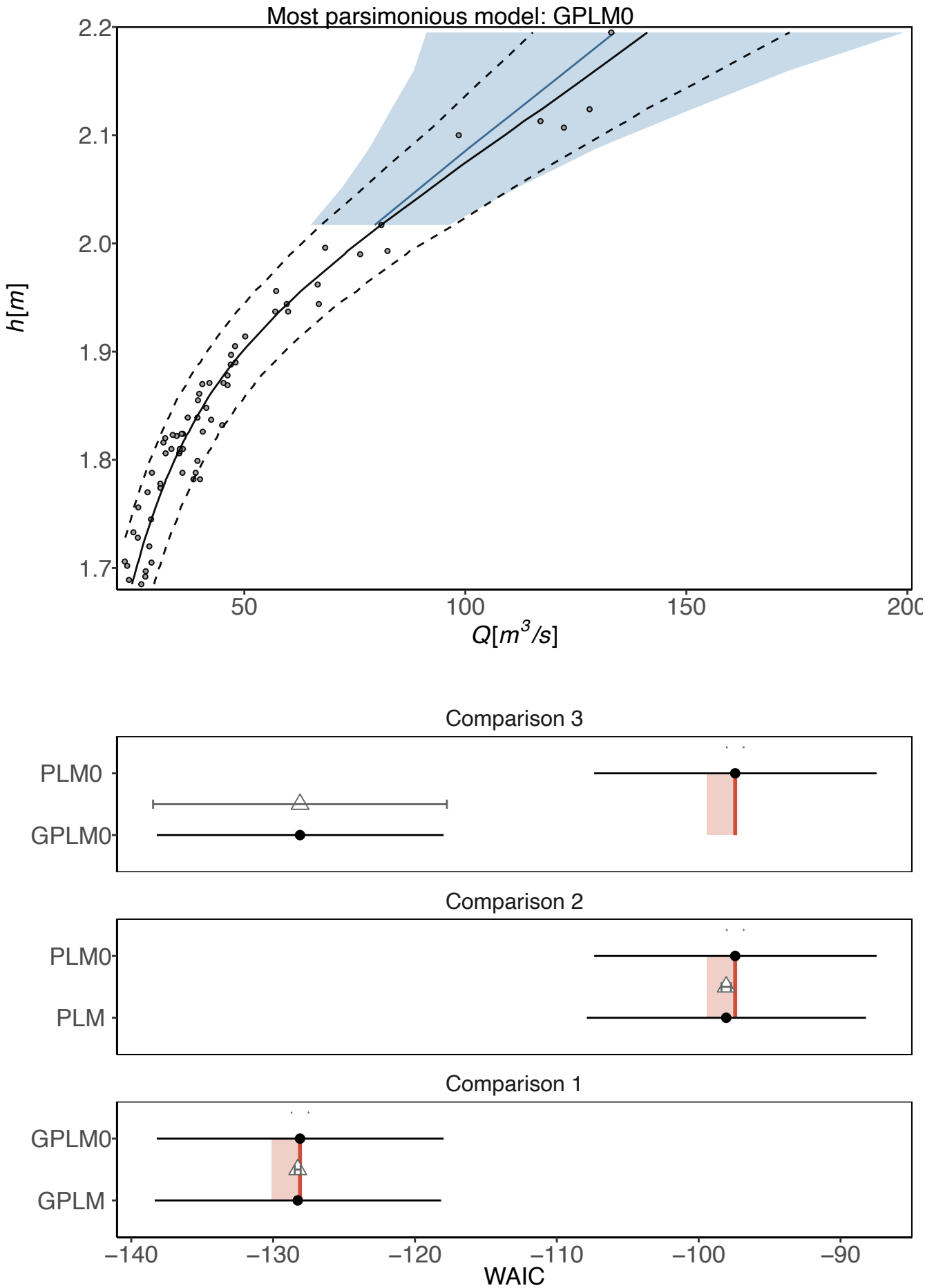
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	98.62	[55.74; 145.45]	2760	1.00
b	2.77	[2.16; 3.42]	2822	1.00
c	1.11	[0.92; 1.27]	2508	1.00
σ_η	0.09	[0.00; 0.50]	1686	1.01
η_1	–4.36	[–4.76; –3.79]	2169	1.00
η_2	–4.59	[–6.34; –2.69]	2492	1.00
η_3	–4.87	[–7.30; –2.07]	2637	1.00
η_4	–4.72	[–7.85; –1.25]	2633	1.00
η_5	–4.45	[–8.09; –0.66]	3071	1.00
η_6	–4.45	[–8.56; –0.13]	2567	1.00

Hólmsárfoss, Iceland – PLM0



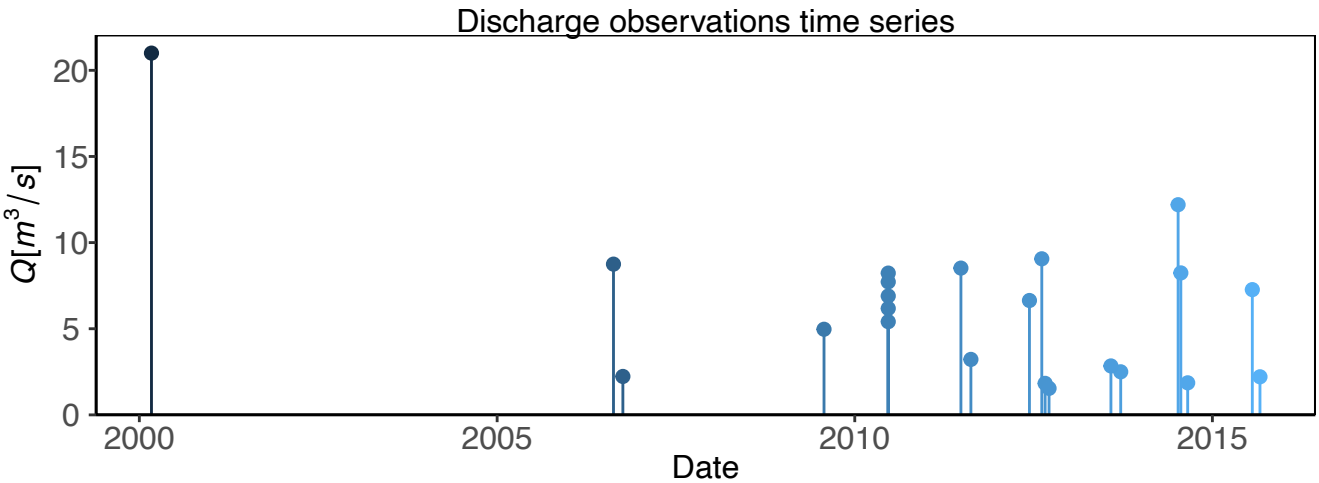
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	98.40	[54.73; 145.47]	9150	1.00
b	2.76	[2.15; 3.42]	9731	1.00
c	1.11	[0.92; 1.27]	8922	1.00
σ_ε	0.11	[0.09; 0.13]	9354	1.00

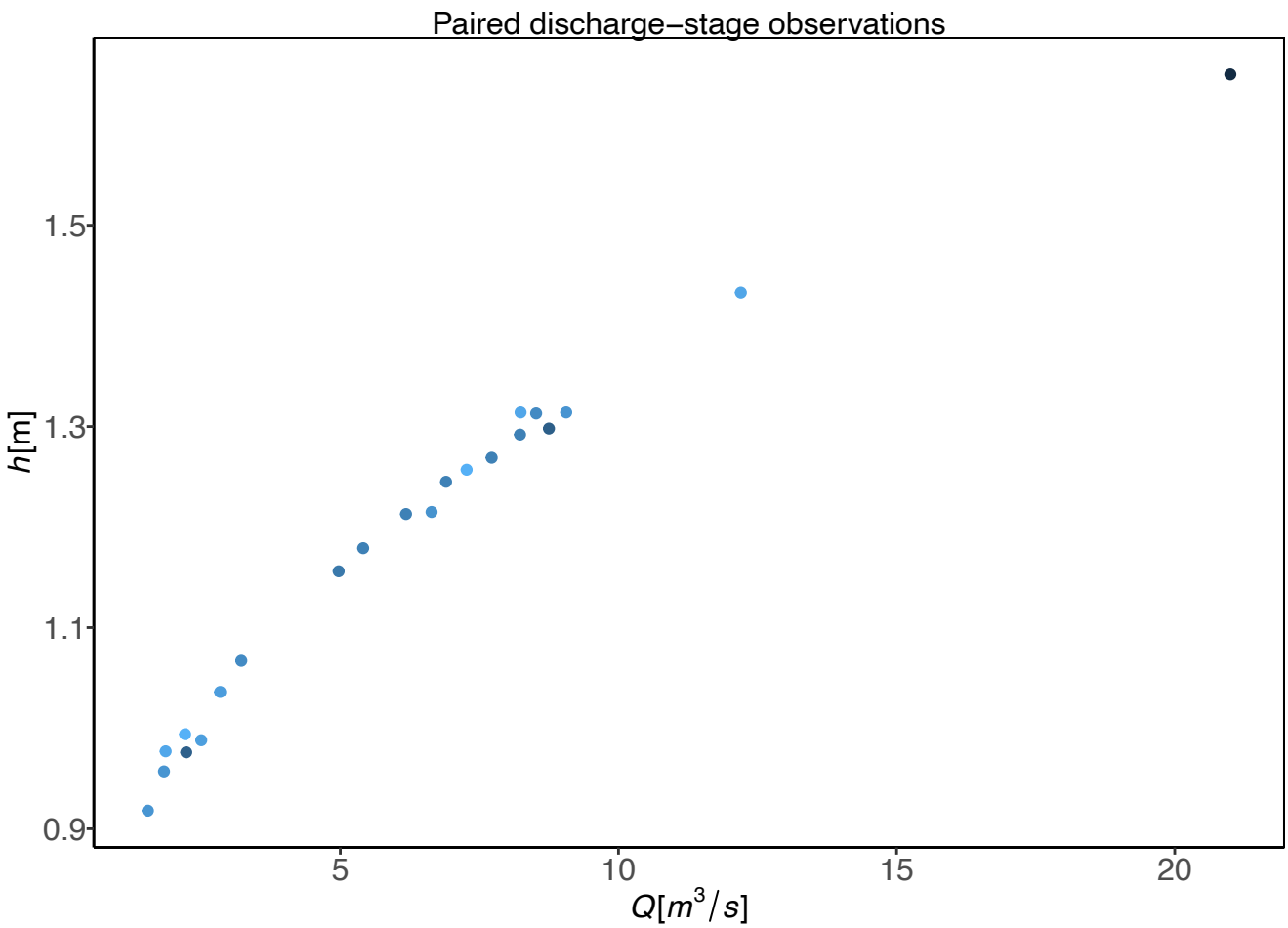
Power−law tournament results for Hólmsárfoss, Iceland



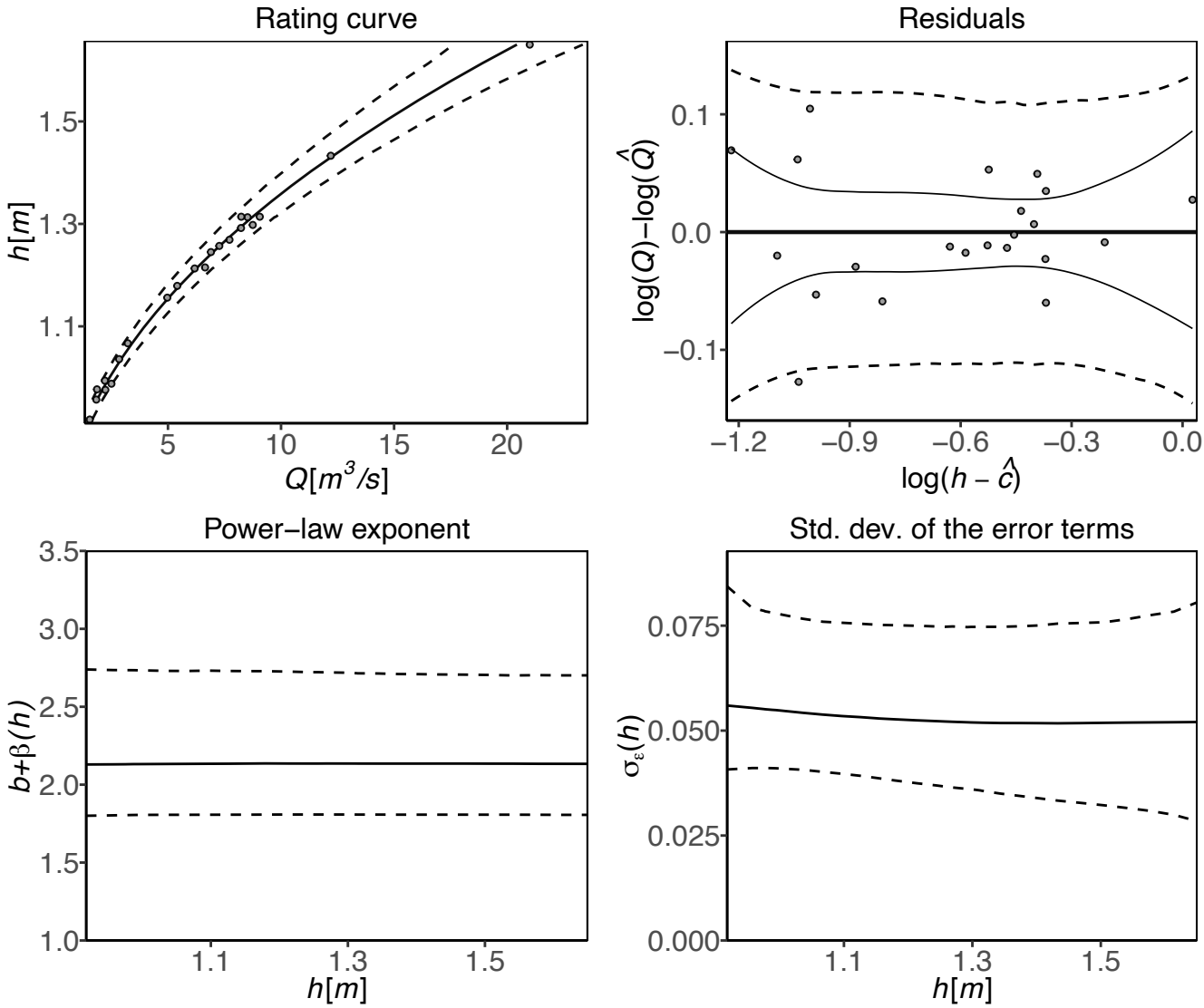
Station name:	ofan Folavatns
Location:	Iceland
Station number:	V570
Number of observations:	22
Start date:	2000–03–03
End date:	2015–09–01
Max. discharge (m^3/s):	21
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	1.88	0.17
GPLM0	3.13	0.09
PLM	0.00	0.44
PLM0	0.85	0.29



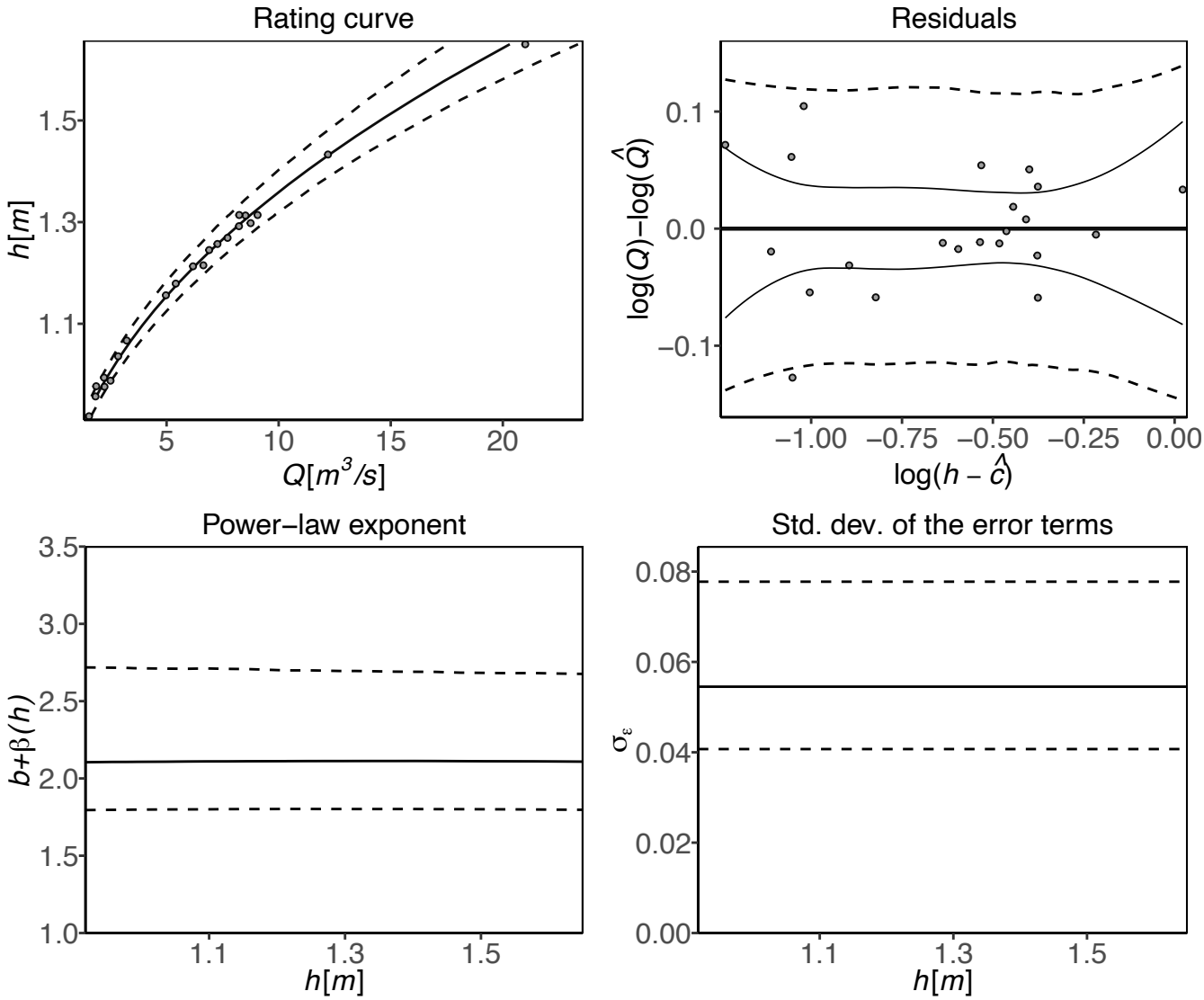


ofan Folavatns, Iceland – GPLM



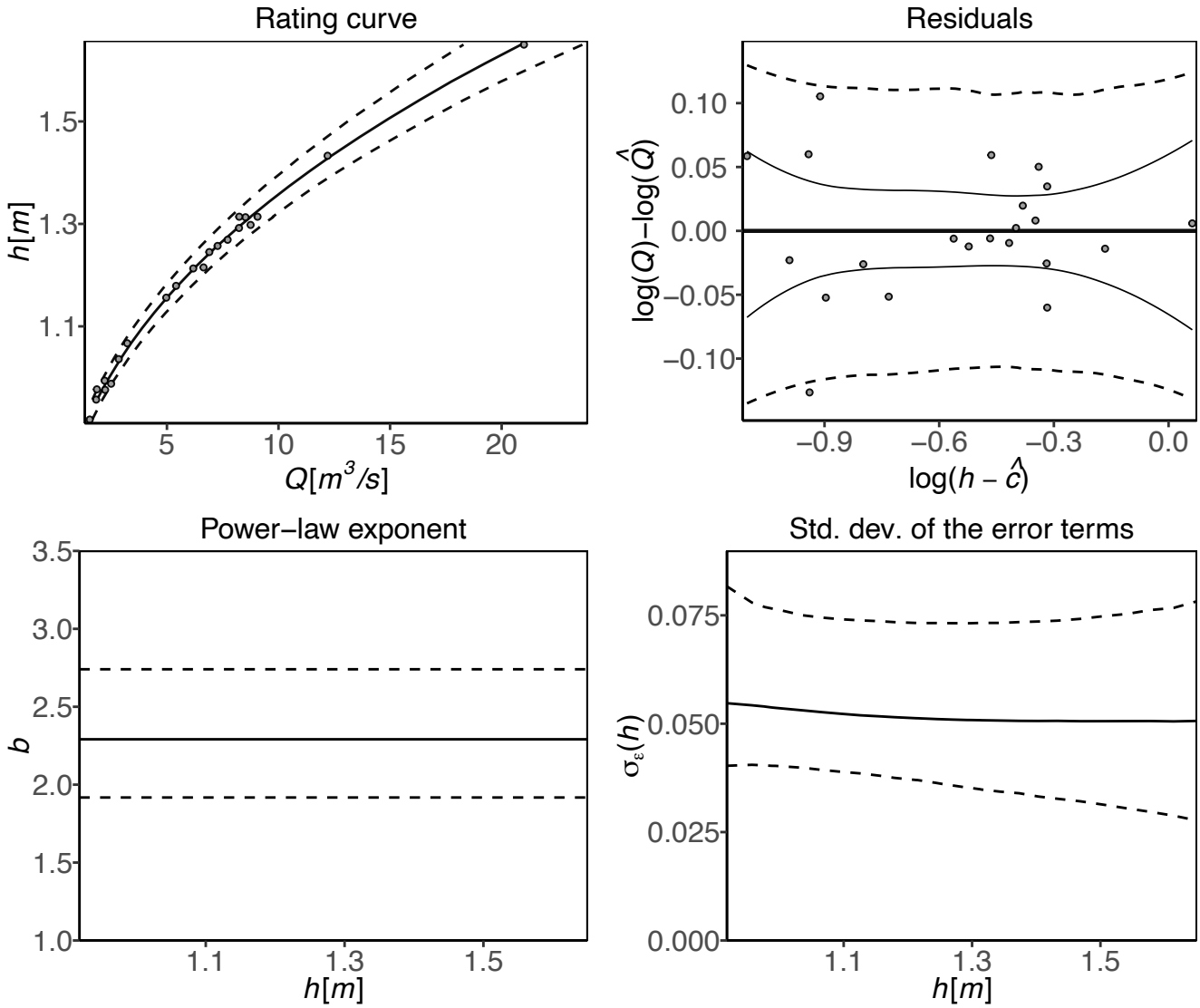
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.19	[14.21; 21.93]	1760	1.00
b	1.84	[1.83; 1.84]	8977	1.00
c	0.62	[0.48; 0.70]	1575	1.00
σ_β	0.28	[0.02; 0.79]	1017	1.01
ϕ_β	16.82	[0.75; 17178.78]	1255	1.01
σ_η	0.10	[0.00; 0.54]	1545	1.00
η_1	–5.77	[–6.40; –4.95]	1972	1.00
η_2	–5.98	[–7.88; –4.09]	2152	1.00
η_3	–6.37	[–8.94; –3.66]	2593	1.00
η_4	–6.58	[–9.72; –3.20]	2288	1.00
η_5	–6.57	[–10.15; –2.62]	2098	1.00
η_6	–6.59	[–10.77; –2.03]	2066	1.00

ofan Folavatns, Iceland – GPLM0



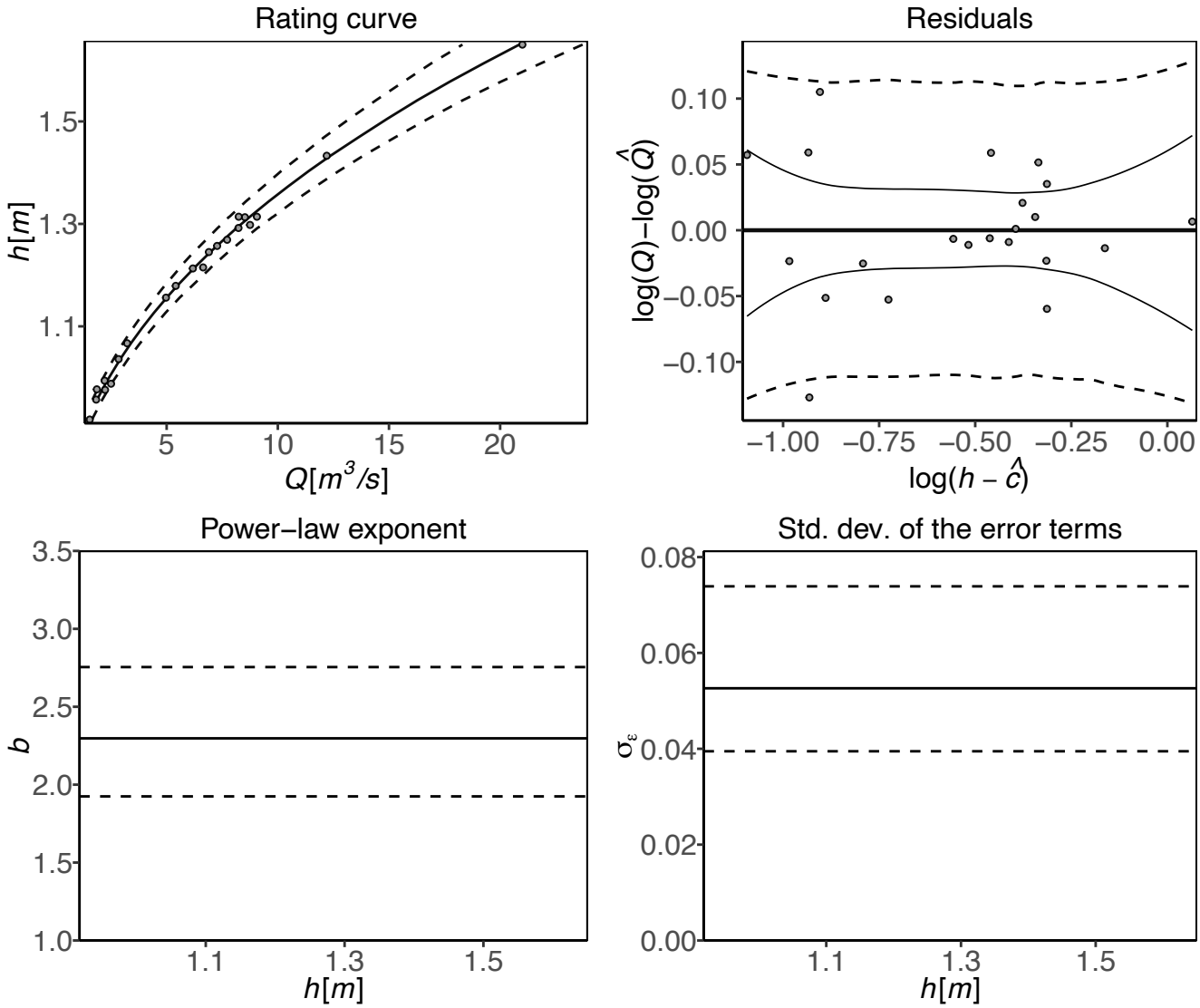
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.26	[14.32; 21.93]	3982	1.00
b	1.84	[1.83; 1.84]	10658	1.00
c	0.63	[0.48; 0.70]	2961	1.00
σ_ε	0.05	[0.04; 0.08]	4045	1.00
σ_β	0.51	[0.08; 0.89]	1141	1.01
ϕ_β	19.00	[0.72; 7950.16]	3071	1.00

ofan Folavatns, Iceland – PLM



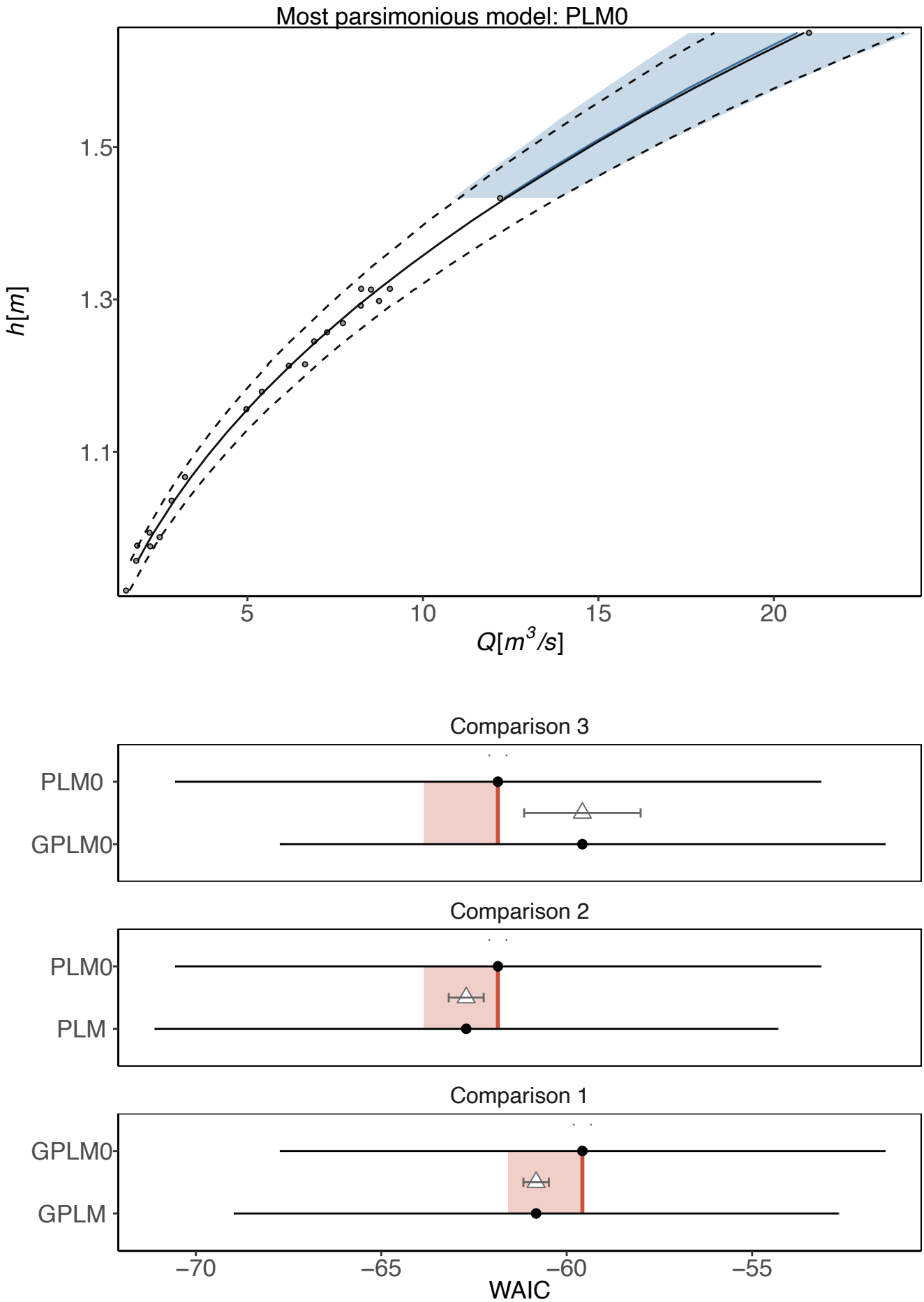
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.09	[14.12; 20.83]	2865	1.00
b	2.29	[1.92; 2.74]	2787	1.00
c	0.59	[0.48; 0.67]	2689	1.00
σ_η	0.10	[0.00; 0.54]	1903	1.00
η_1	–5.81	[–6.42; –5.01]	2521	1.00
η_2	–6.01	[–7.92; –4.04]	2830	1.00
η_3	–6.41	[–8.97; –3.64]	3068	1.00
η_4	–6.64	[–9.78; –3.18]	2699	1.00
η_5	–6.63	[–10.45; –2.59]	2719	1.00
η_6	–6.67	[–11.05; –2.17]	2534	1.00

ofan Folavatns, Iceland – PLM0



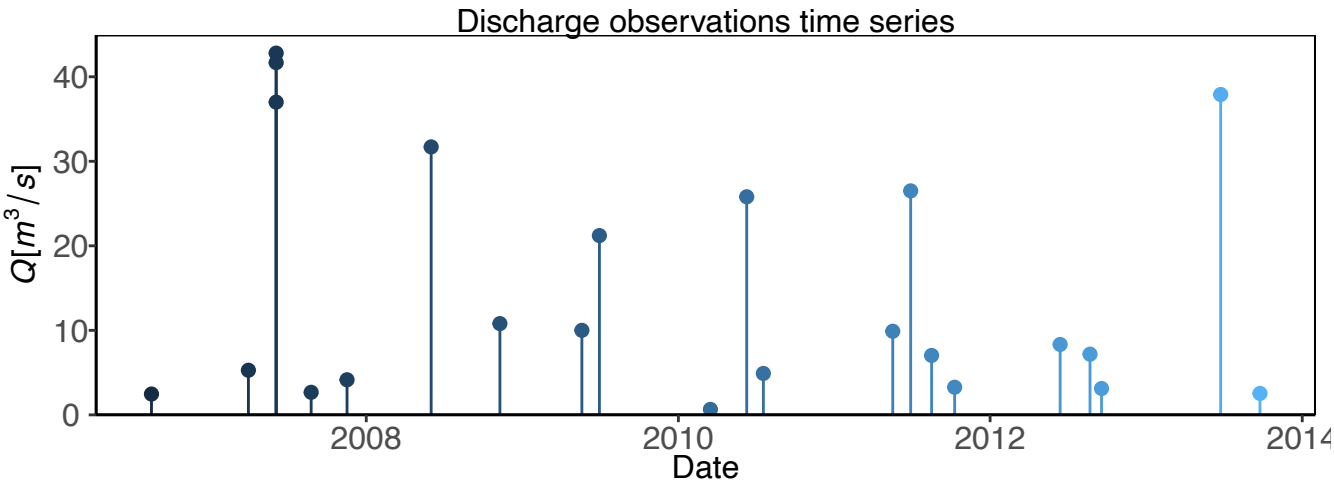
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.96	[14.00; 20.74]	9222	1.00
b	2.30	[1.92; 2.75]	8958	1.00
c	0.58	[0.47; 0.67]	8859	1.00
σ_ε	0.05	[0.04; 0.07]	9076	1.00

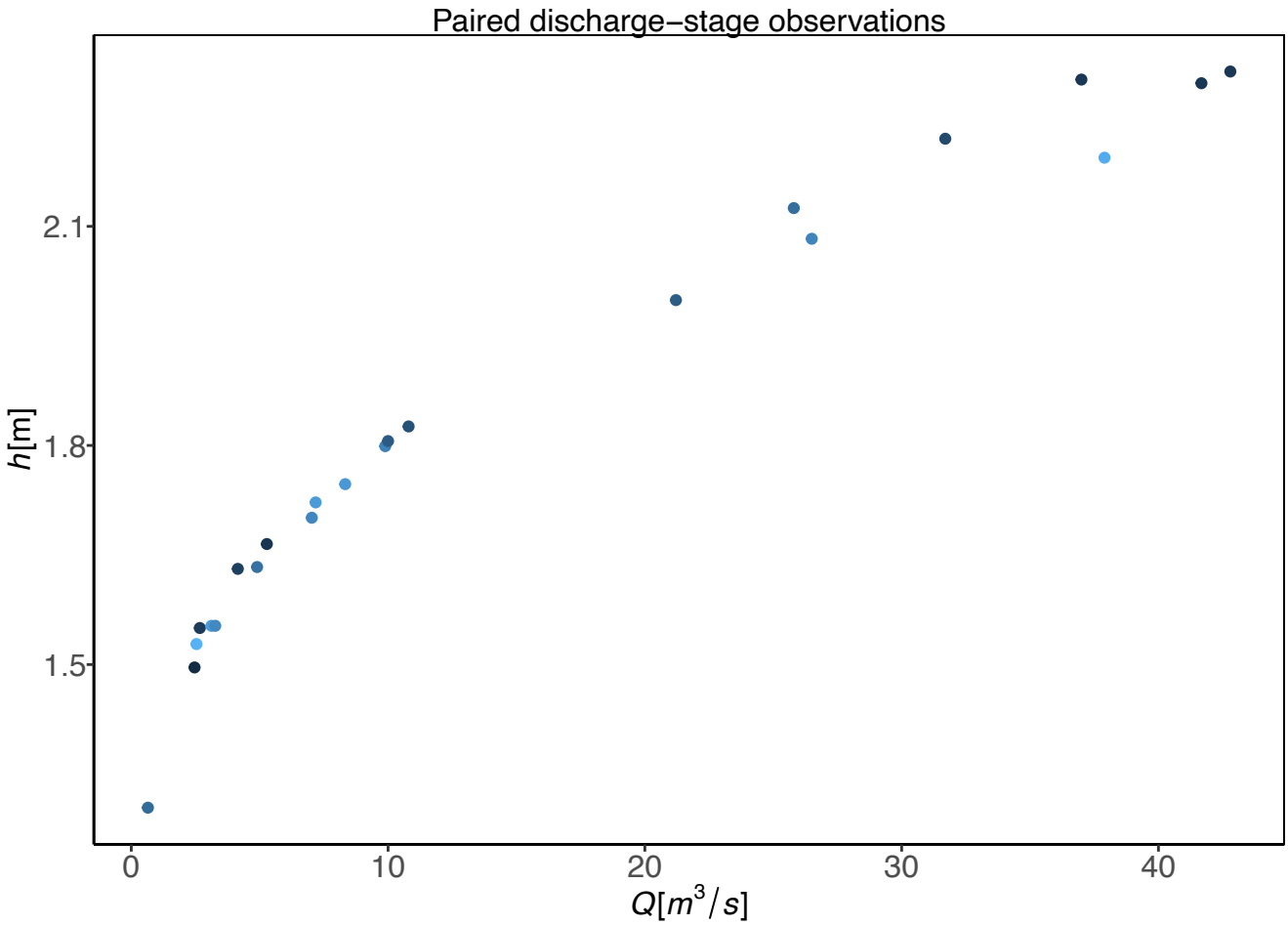
Power–law tournament results for ofan Folavatns, Iceland



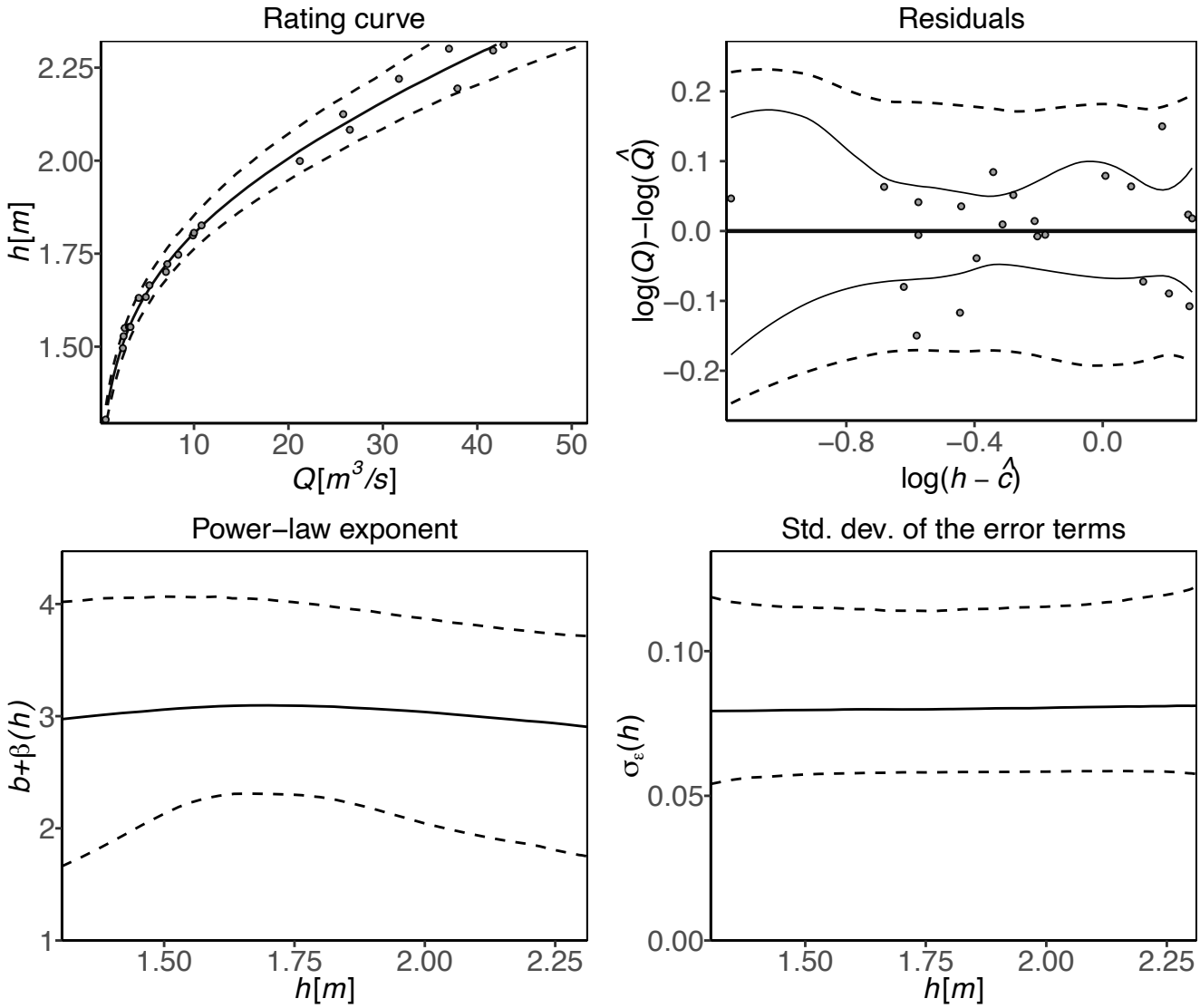
Station name:	Sturluflöt II
Location:	Iceland
Station number:	V573
Number of observations:	23
Start date:	2006–08–16
End date:	2013–09–24
Max. discharge (m^3/s):	42.8
Tournament winner:	GPLM0

	dWAIC	Akaike weights
GPLM	0.20	0.44
GPLM0	0.00	0.49
PLM	5.22	0.04
PLM0	5.07	0.04



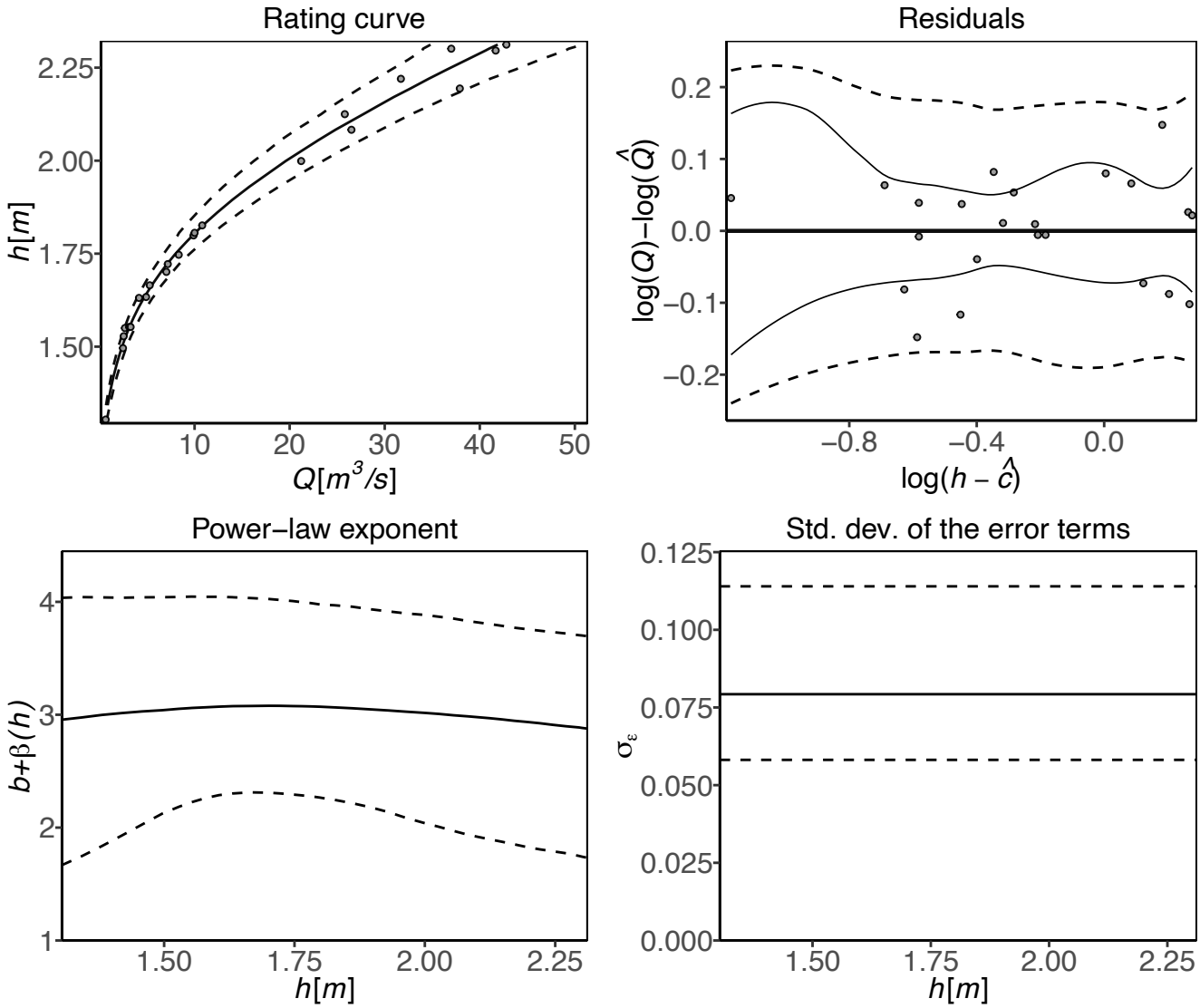


Sturluflöt II, Iceland – GPLM



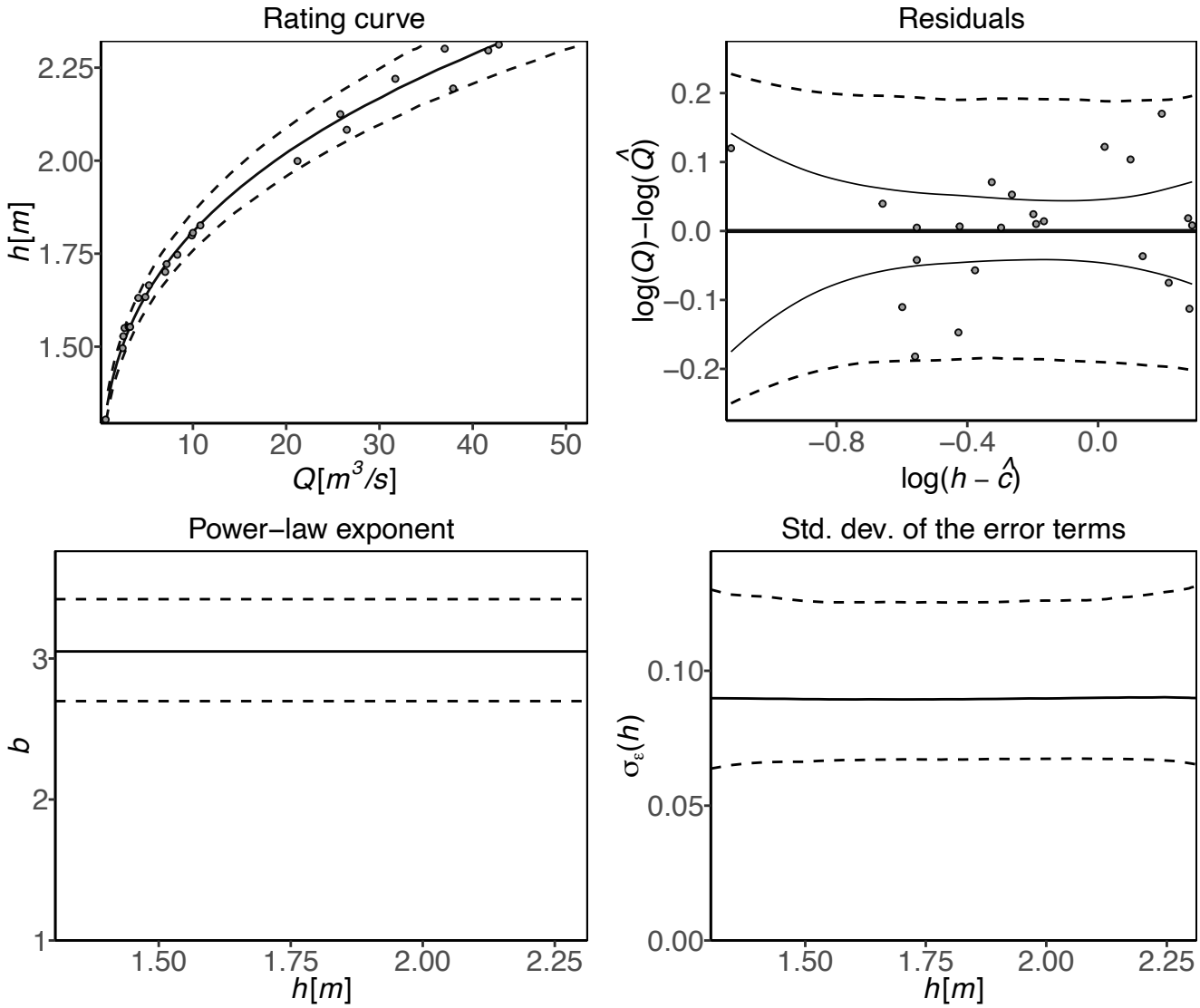
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	18.81	[9.43; 34.15]	1727	1.01
b	1.84	[1.83; 1.84]	7972	1.00
c	0.99	[0.79; 1.21]	1534	1.01
σ_β	0.66	[0.30; 1.35]	1983	1.01
ϕ_β	1.38	[0.31; 935.32]	745	1.13
σ_η	0.07	[0.00; 0.40]	1345	1.00
η_1	–5.07	[–5.83; –4.26]	1523	1.01
η_2	–5.02	[–7.01; –3.13]	1889	1.00
η_3	–5.00	[–7.85; –2.46]	2007	1.00
η_4	–4.94	[–8.24; –1.74]	1930	1.00
η_5	–4.80	[–8.70; –1.10]	1983	1.00
η_6	–4.78	[–9.04; –0.70]	2037	1.00

Sturluflöt II, Iceland – GPLM0



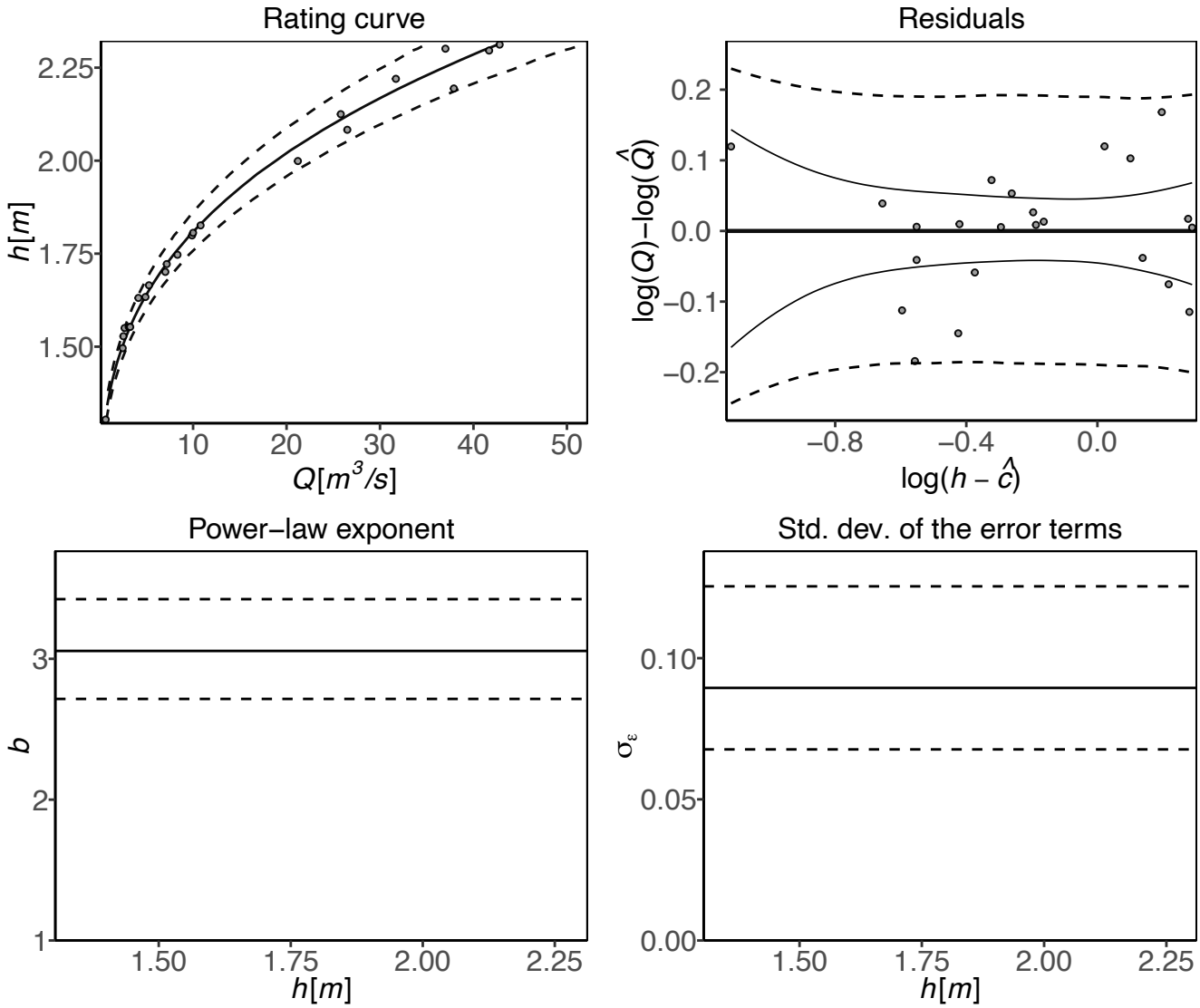
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	19.04	[9.19; 34.19]	2521	1.01
b	1.84	[1.83; 1.84]	8561	1.00
c	0.99	[0.79; 1.21]	2401	1.01
σ_ε	0.08	[0.06; 0.11]	2521	1.01
σ_β	0.80	[0.53; 1.13]	3537	1.01
ϕ_β	1.31	[0.29; 1059.06]	769	1.13

Sturluflöt II, Iceland – PLM



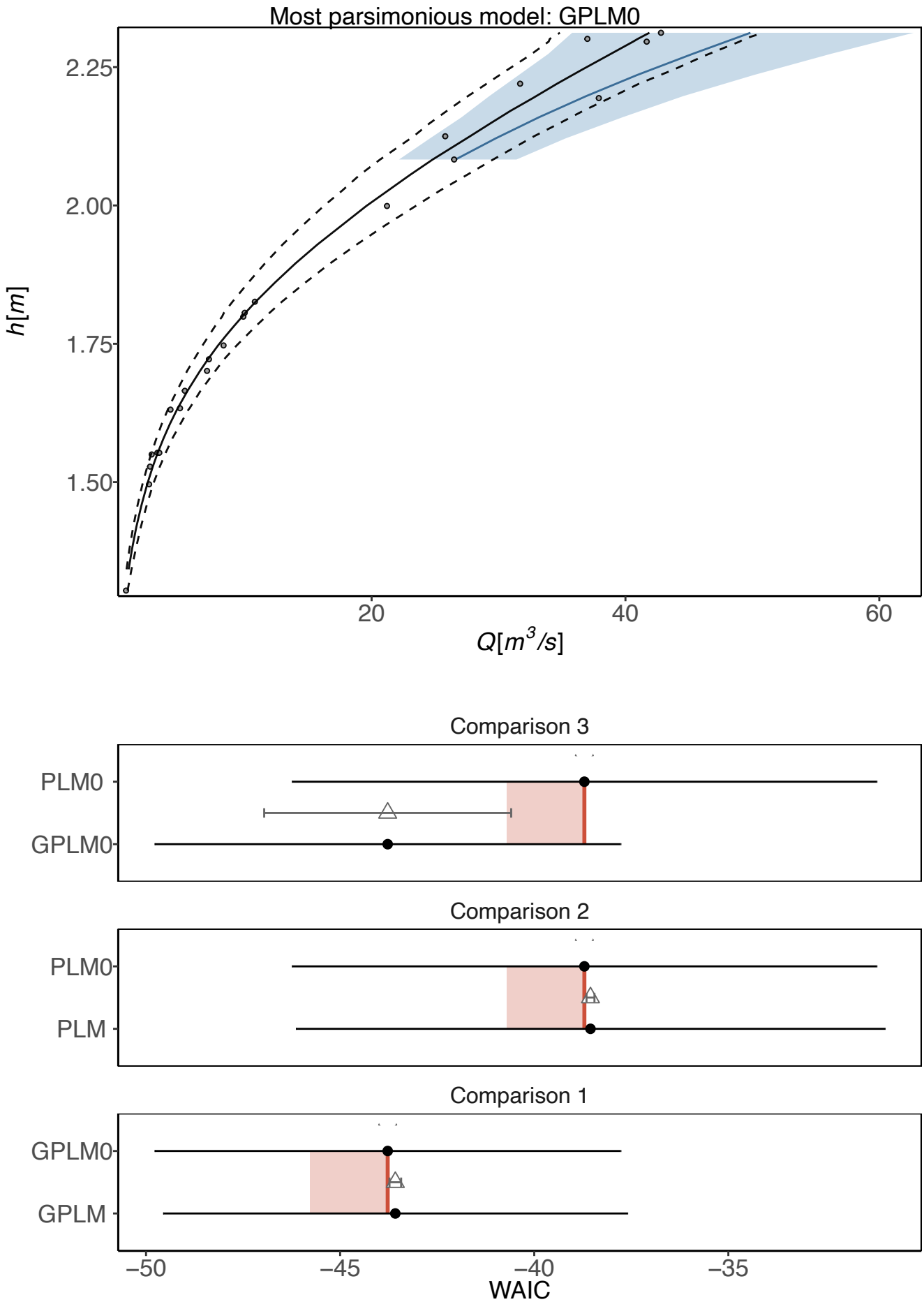
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.66	[13.30; 22.22]	2542	1.00
b	3.05	[2.70; 3.42]	2638	1.00
c	0.98	[0.89; 1.06]	2429	1.00
σ_η	0.08	[0.00; 0.41]	1670	1.00
η_1	–4.82	[–5.51; –4.08]	2330	1.00
η_2	–4.82	[–6.69; –2.90]	2686	1.00
η_3	–4.86	[–7.44; –2.16]	2619	1.00
η_4	–4.80	[–7.96; –1.47]	2856	1.00
η_5	–4.71	[–8.31; –1.02]	2734	1.00
η_6	–4.76	[–8.83; –0.52]	2627	1.00

Sturluflöt II, Iceland – PLM0



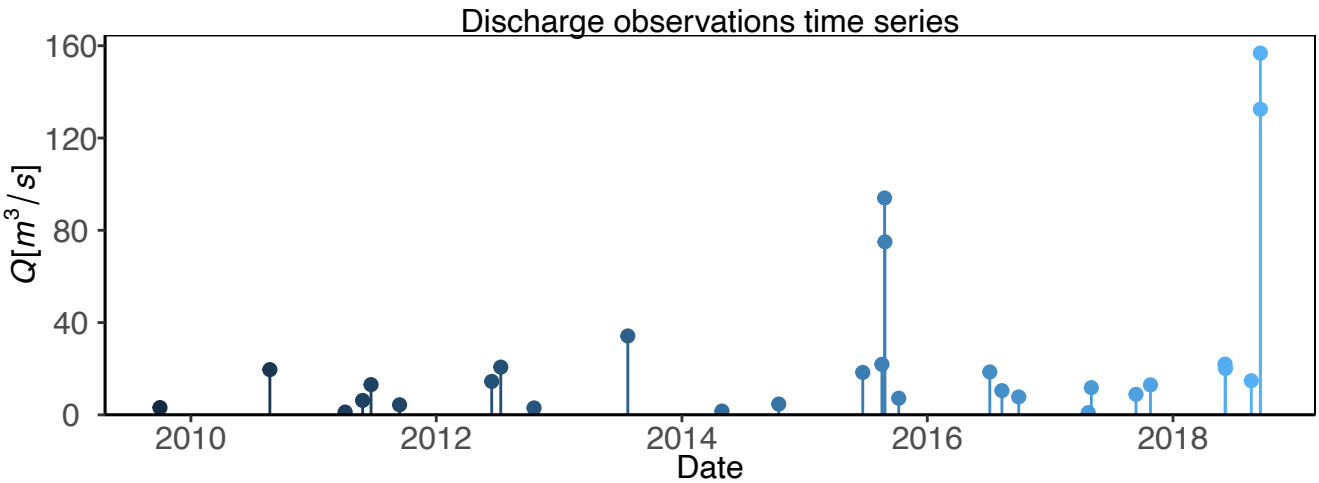
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	17.56	[13.24; 21.98]	9191	1.00
b	3.06	[2.72; 3.42]	9751	1.00
c	0.98	[0.89; 1.05]	9305	1.00
σ_ε	0.09	[0.07; 0.13]	10105	1.00

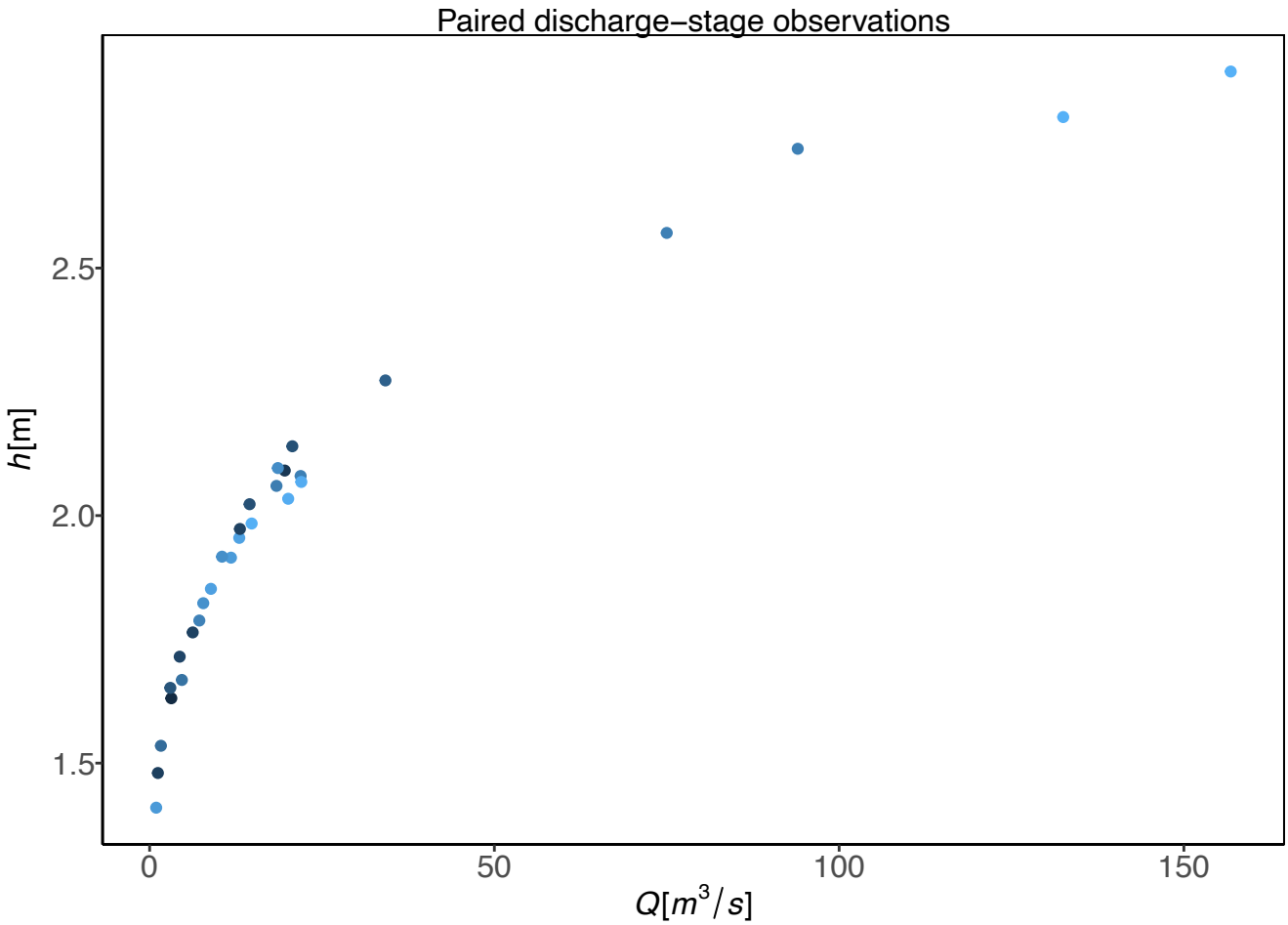
Power–law tournament results for Sturluflöt II, Iceland



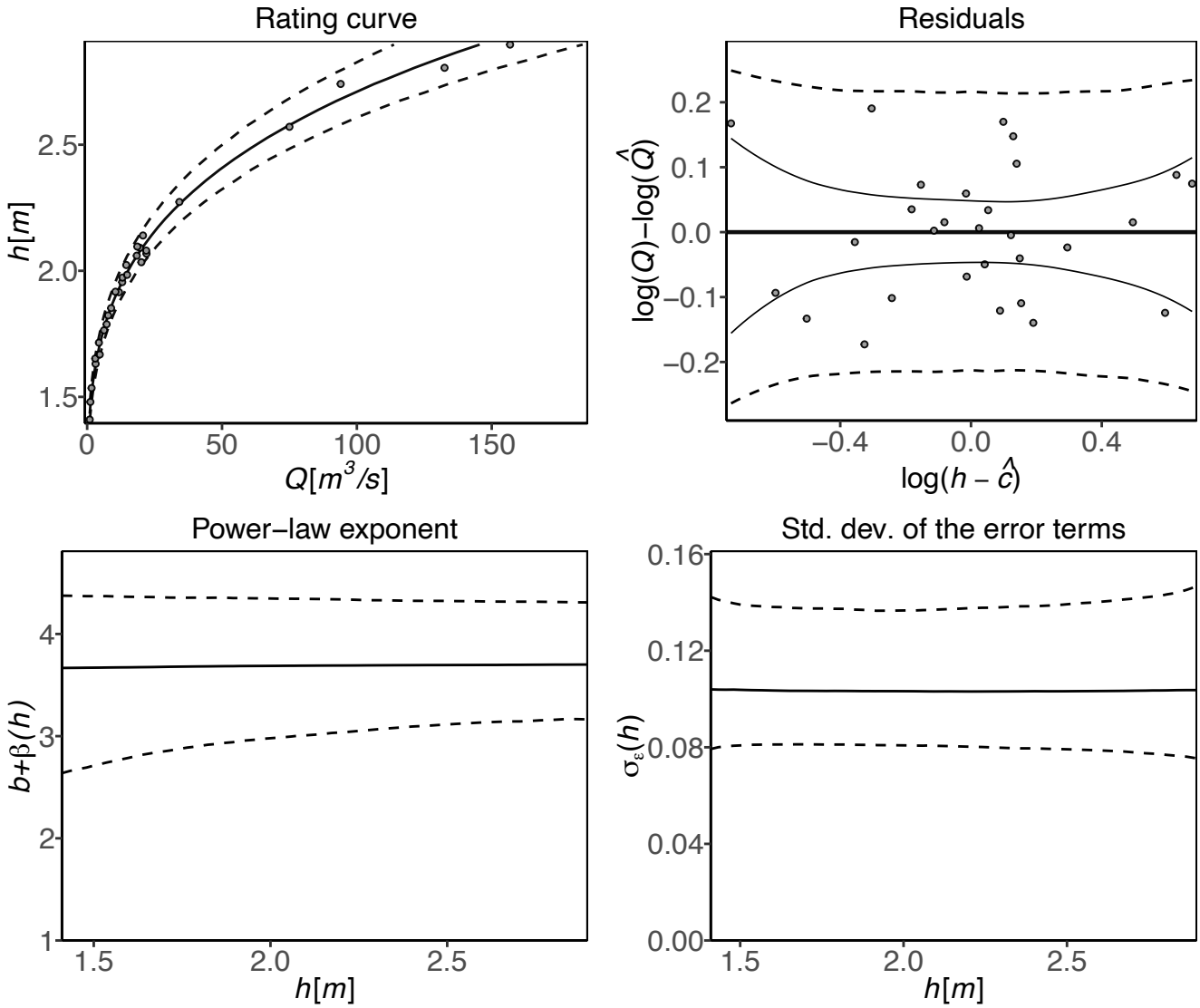
Station name:	Klöppin
Location:	Iceland
Station number:	V578
Number of observations:	29
Start date:	2009–10–01
End date:	2018–09–18
Max. discharge (m^3/s):	156.8
Tournament winner:	PLM0

	dWAIC	Akaike weights
GPLM	0.07	0.43
GPLM0	0.00	0.44
PLM	4.10	0.06
PLM0	3.66	0.07



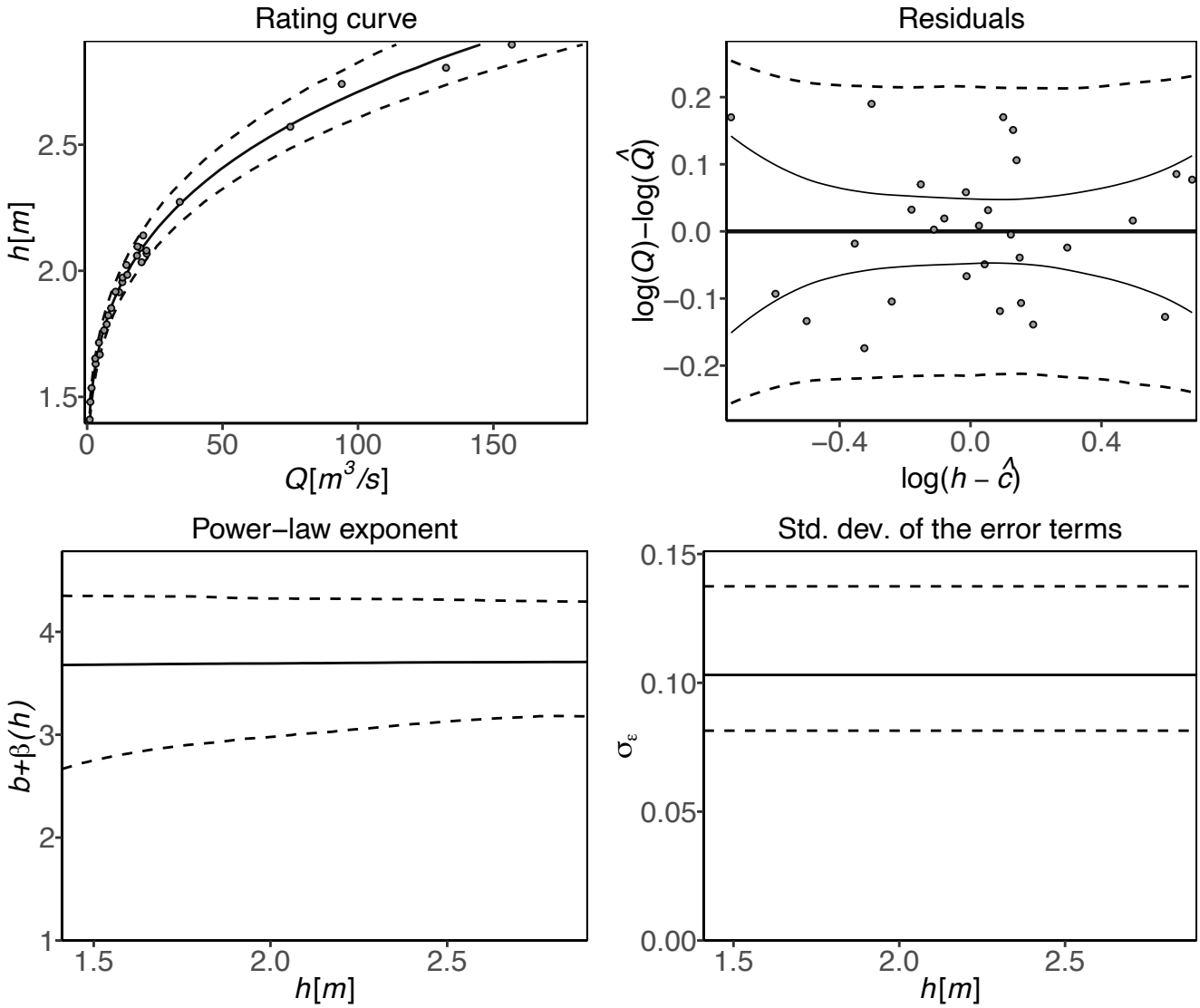


Klöppin, Iceland – GPLM



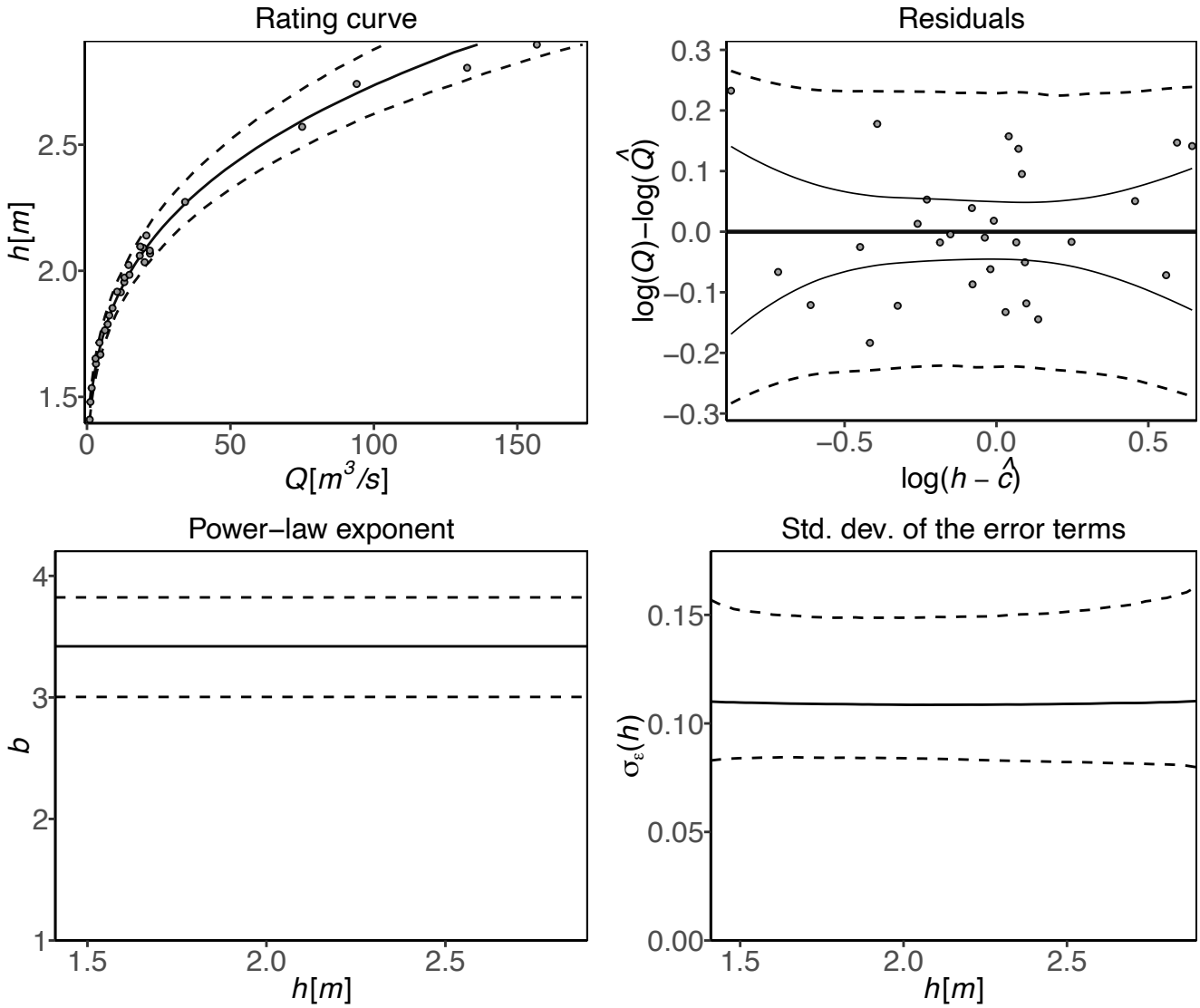
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.80	[5.89; 23.41]	1450	1.01
b	1.84	[1.83; 1.84]	9825	1.00
c	0.93	[0.76; 1.14]	1231	1.01
σ_β	0.87	[0.51; 1.54]	2211	1.00
ϕ_β	23.13	[1.34; 29411.37]	1112	1.00
σ_η	0.07	[0.00; 0.38]	1420	1.01
η_1	–4.53	[–5.07; –3.90]	2123	1.00
η_2	–4.57	[–6.40; –2.69]	2409	1.00
η_3	–4.62	[–7.15; –2.00]	2324	1.00
η_4	–4.61	[–7.68; –1.38]	2337	1.00
η_5	–4.59	[–8.25; –0.81]	2319	1.00
η_6	–4.59	[–8.74; –0.24]	2291	1.00

Klöppin, Iceland – GPLM0



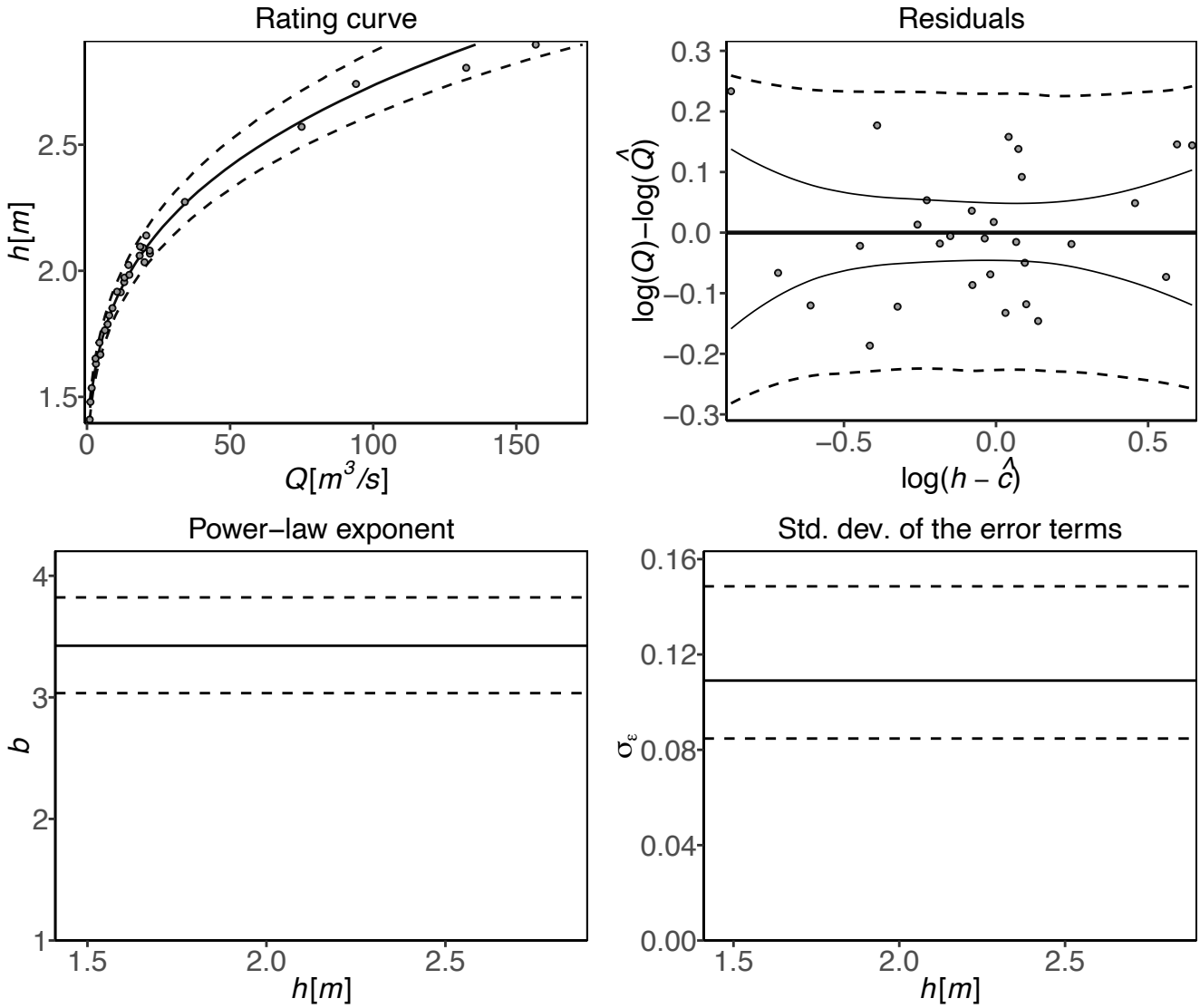
	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	11.73	[5.90; 22.78]	2717	1.00
b	1.84	[1.83; 1.84]	13425	1.00
c	0.93	[0.76; 1.13]	1998	1.00
σ_ε	0.10	[0.08; 0.14]	5349	1.00
σ_β	0.93	[0.72; 1.26]	5082	1.00
ϕ_β	26.72	[1.34; 12026.67]	2391	1.00

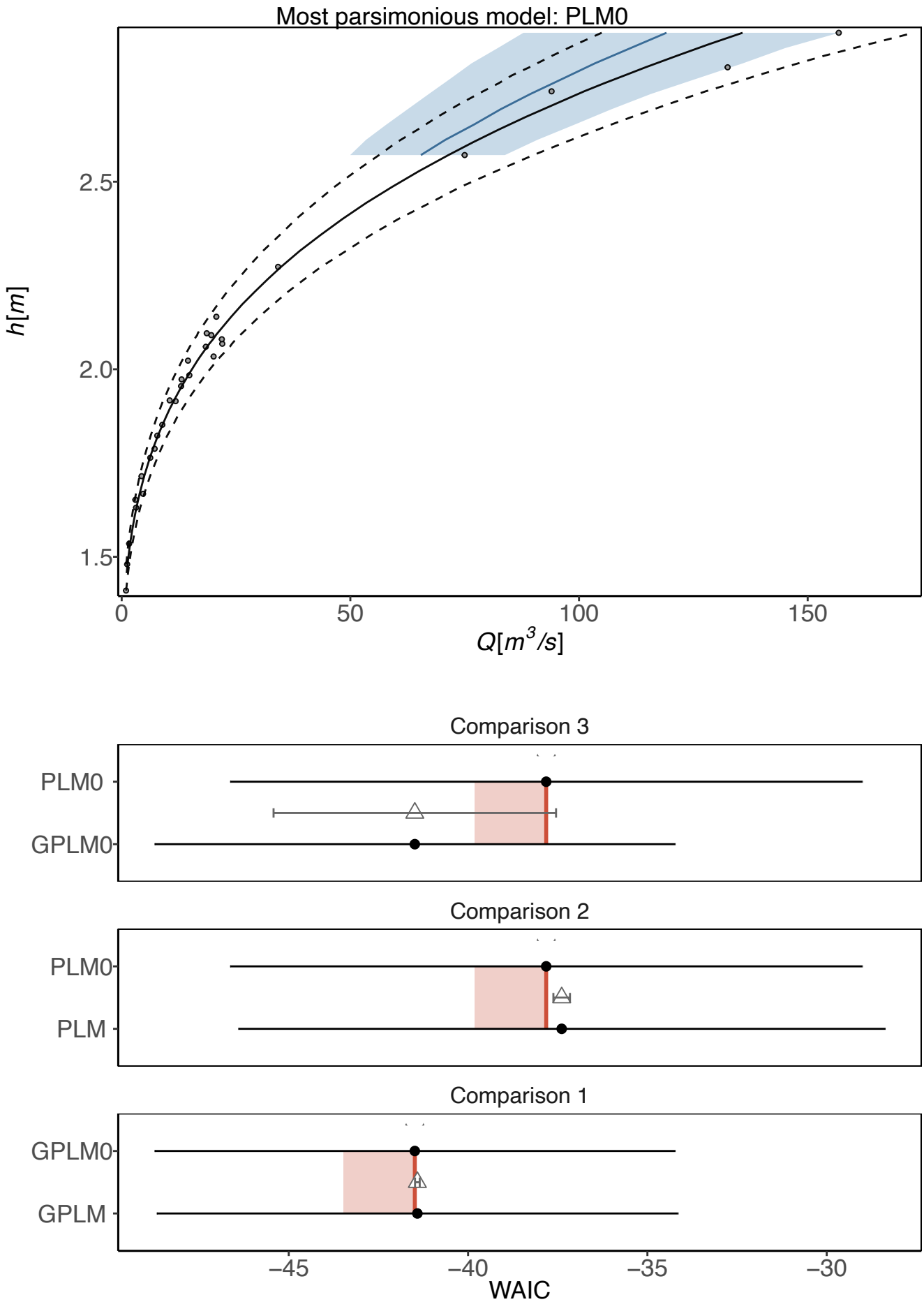
Klöppin, Iceland – PLM



	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.97	[10.09; 21.13]	2688	1.00
b	3.42	[3.00; 3.82]	2760	1.00
c	0.99	[0.89; 1.09]	2589	1.00
σ_η	0.08	[0.00; 0.39]	1806	1.00
η_1	–4.41	[–4.98; –3.70]	2352	1.00
η_2	–4.50	[–6.35; –2.56]	2653	1.00
η_3	–4.61	[–7.16; –1.78]	2979	1.00
η_4	–4.53	[–7.75; –1.26]	2669	1.00
η_5	–4.43	[–8.13; –0.66]	2654	1.00
η_6	–4.32	[–8.52; –0.05]	2722	1.00

Klöppin, Iceland – PLM0



	Posterior median	95% posterior interval	Effective number of samples	$\hat{R}$
a	14.91	[10.09; 20.67]	9425	1.00
b	3.42	[3.03; 3.82]	9718	1.00
c	0.99	[0.89; 1.09]	9125	1.00
σ_ε	0.11	[0.08; 0.15]	9520	1.00

Power–law tournament results for Klöppin, Iceland