Water Resources Research

Supporting Information for

Multisite Daily Streamflow Simulation with Time Irreversibility

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Table S1

Table S1 (a). Parameters of flows at Tekra station, Godavari River Basin.

Month	Ascension curve		Recession curve		Mean monthly flow $Q^{m^3/s}$
	Scale a	Shape b	Upper recession b_1	Lower recession b_2	
October	176.89	0.52	0.15	0.10	1123.14
November	23.82	0.55	0.11	0.08	279.40
December	9.97	0.57	0.06	0.04	129.10
January	6.74	0.62	0.06	0.04	88.66
February	6.88	0.54	0.06	0.05	81.14
March	4.43	0.63	0.07	0.05	47.49
April	2.63	0.65	0.08	0.05	26.87
May	2.22	0.57	0.09	0.07	20.55
June	51.14	0.36	0.25	0.14	475.79
July	786.92	0.63	0.23	0.19	2724.54
August	1530.23	0.73	0.24	0.17	5052.26
September	717.11	0.65	0.22	0.12	3283.66

Table S1 (b). Parameters of flows at Jagdalpur station, Godavari River Basin.

Month	Ascension curve		Recession curve		Mean monthly flow $Q^{m^3/s}$
	Scale a	Shape b	Upper recession b_1	Lower recession b_2	
October	15.49	0.56	0.19	0.09	109.29
November	3.17	0.57	0.10	0.05	39.44
December	0.91	0.71	0.05	0.03	24.03
January	0.78	0.66	0.04	0.03	17.65
February	0.76	0.70	0.05	0.04	13.08
March	0.71	0.68	0.06	0.04	11.29
April	1.10	0.62	0.11	0.06	9.68
May	2.04	0.53	0.17	0.10	13.00
June	17.20	0.45	0.36	0.17	72.73
July	98.64	0.63	0.32	0.20	270.85
August	143.18	0.71	0.25	0.20	439.97
September	85.22	0.66	0.23	0.14	303.25