

Supplement S1

October 25, 2021

1 Weatherdata

1.1 Timeseries

1.1.1 Precipitation

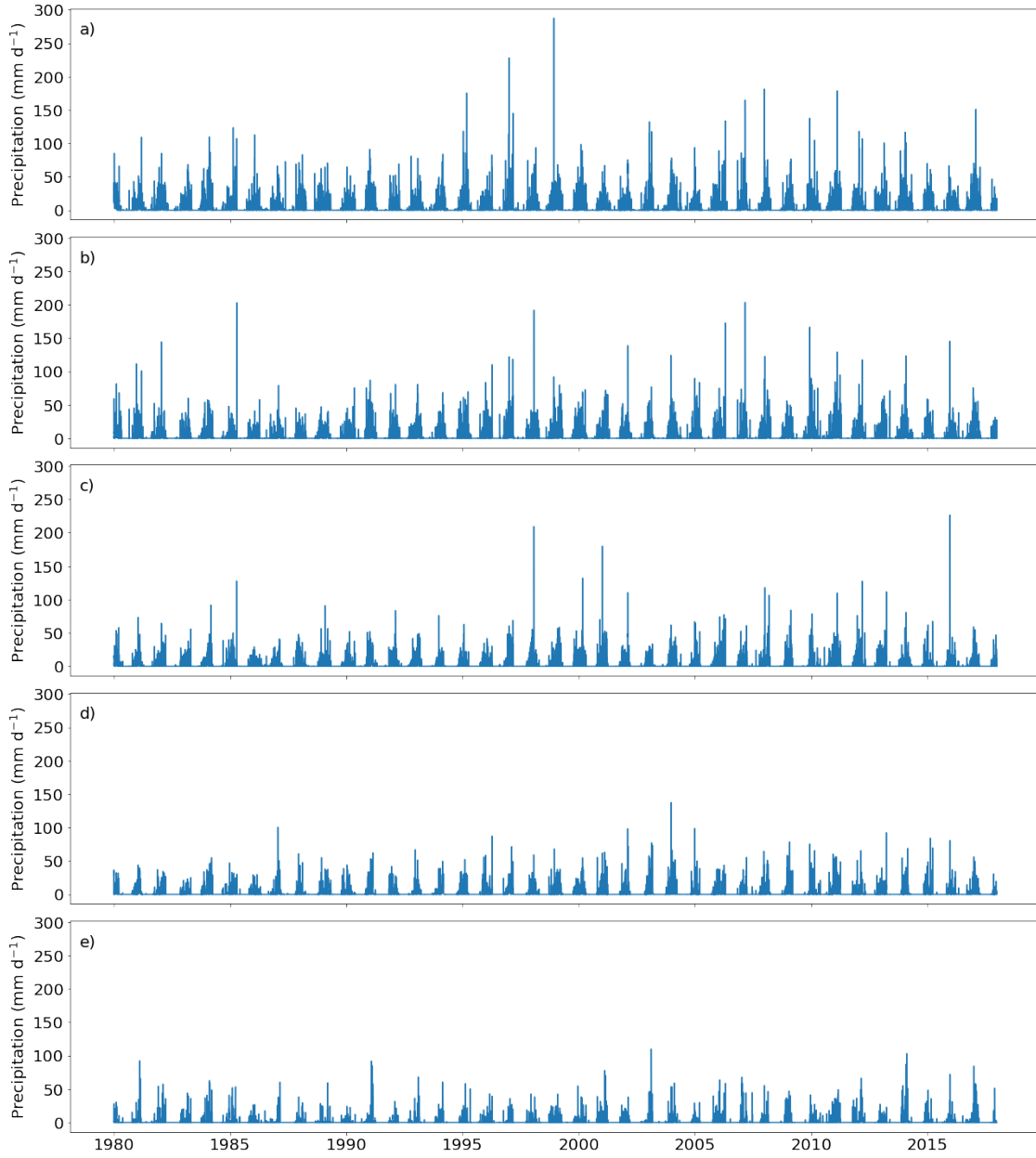


Figure S1.1 Precipitation timeseries for a) Howard Springs, b) Adelaide River, c) Daly River, d) Dry River and e) Sturt Plains.

1.1.2 Temperature

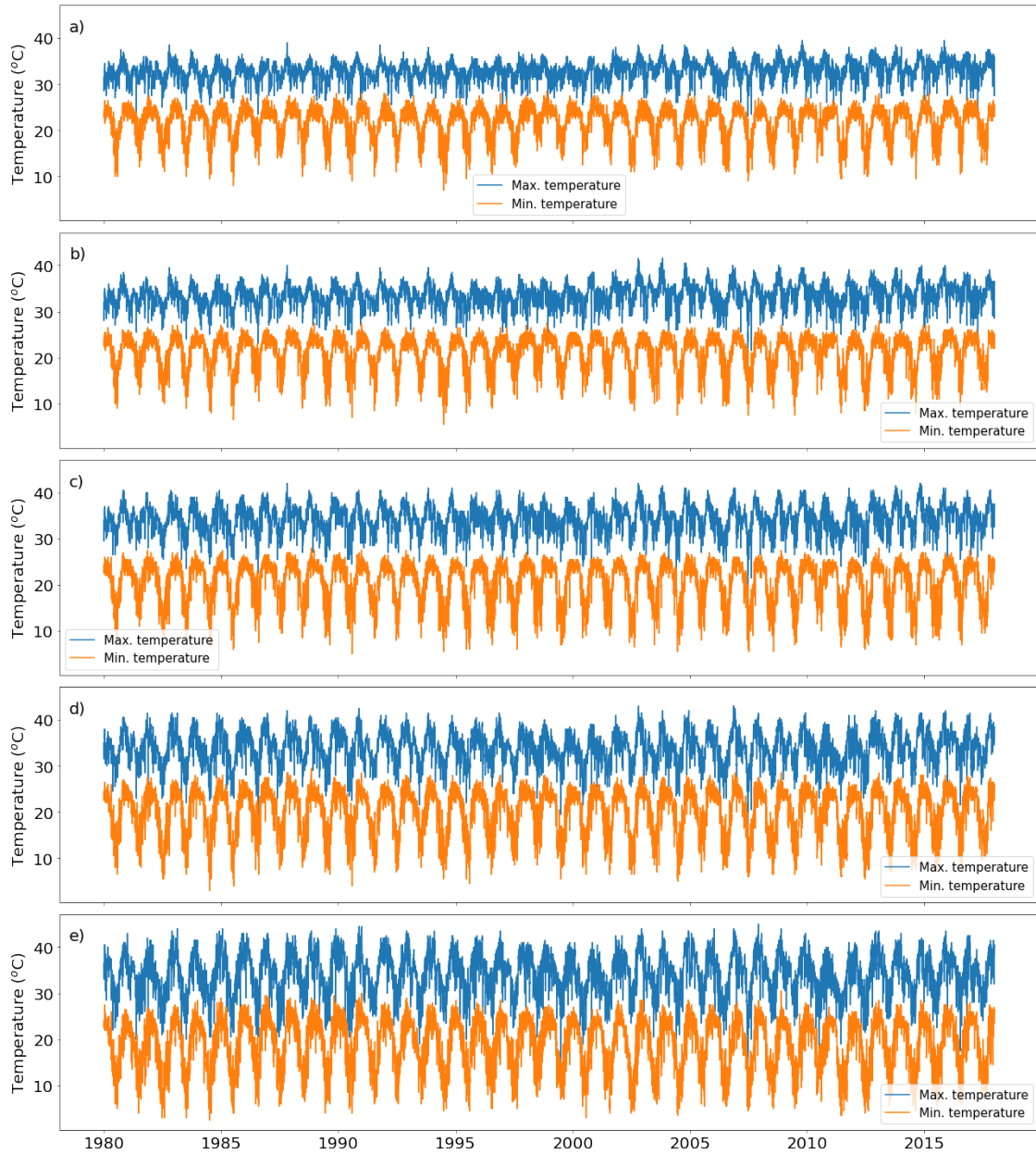


Figure S1.2 Daily temperature timeseries with daily maximum temperatures in blue and daily minimum temperatures in red for a) Howard Springs, b) Adelaide River, c) Daly River, d) Dry River and e) Sturt Plains.

1.1.3 Incoming shortwave radiation

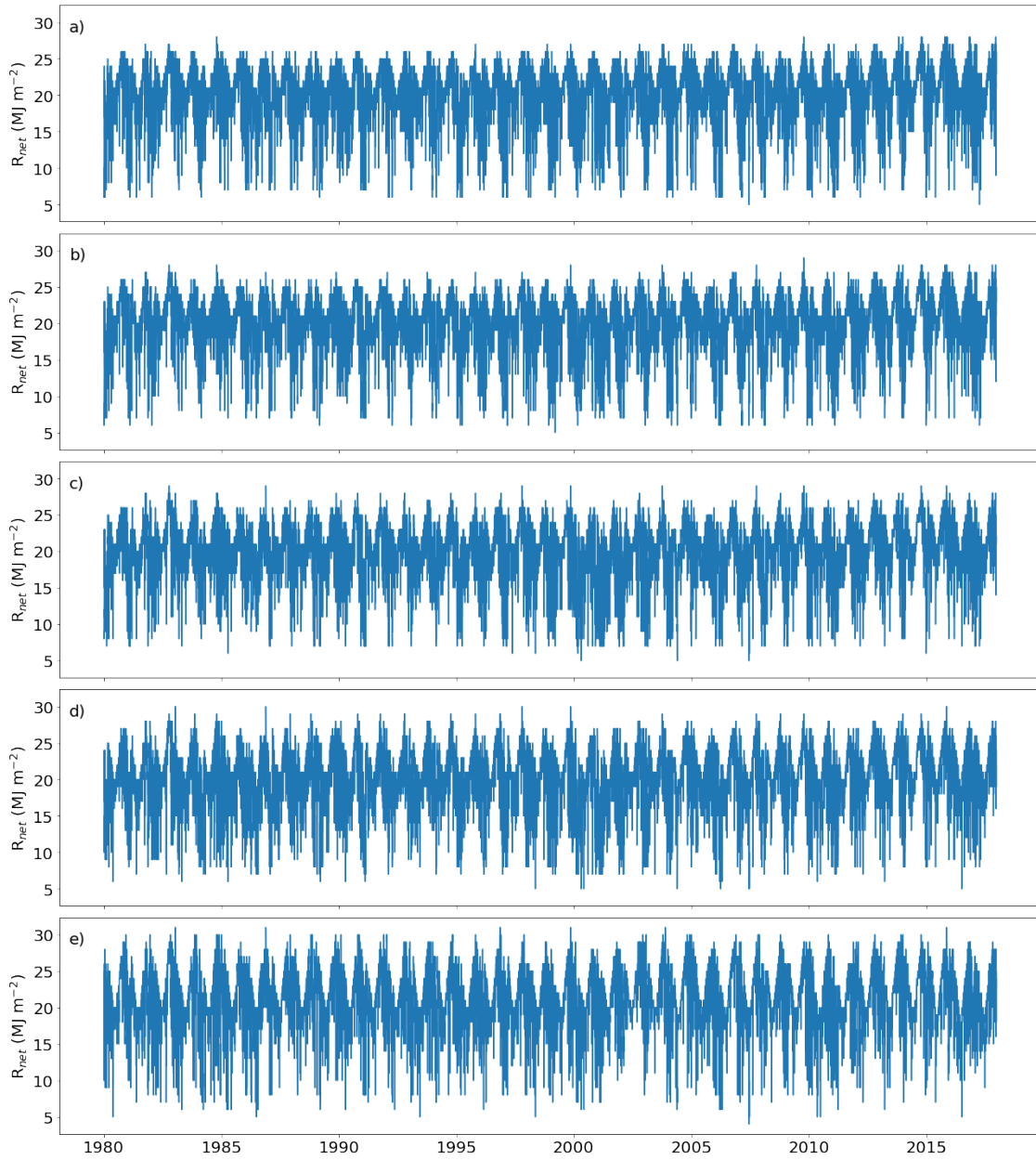


Figure S1.3 Incoming shortwave radiation for a) Howard Springs, b) Adelaide River, c) Daly River, d) Dry River and e) Sturt Plains.

1.1.4 Vapour pressure

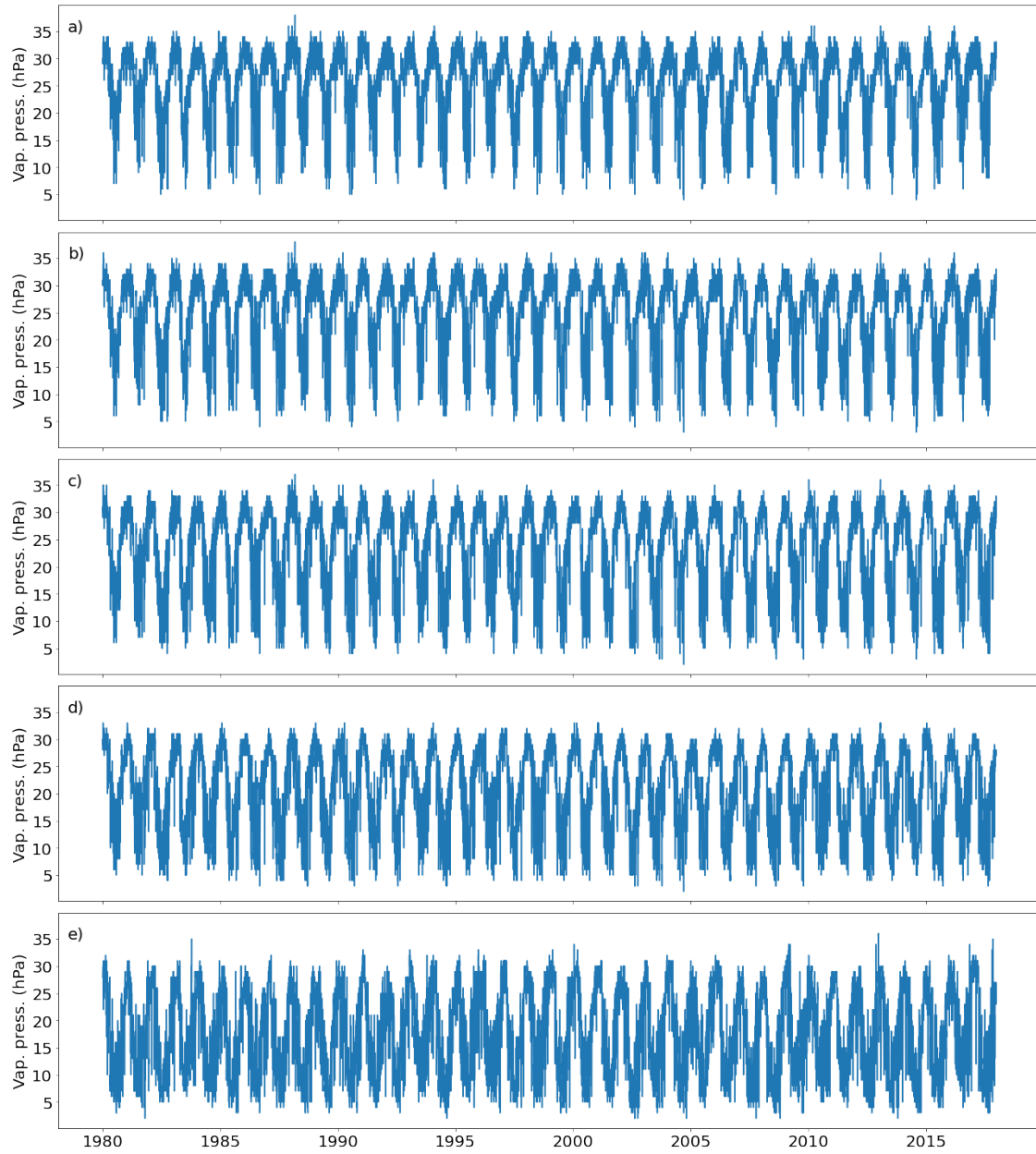


Figure S1.4 Vapour pressure for a) *Howard Springs*, b) *Adelaide River*, c) *Daly River*, d) *Dry River* and e) *Sturt Plains*.

1.1.5 Atmospheric pressure

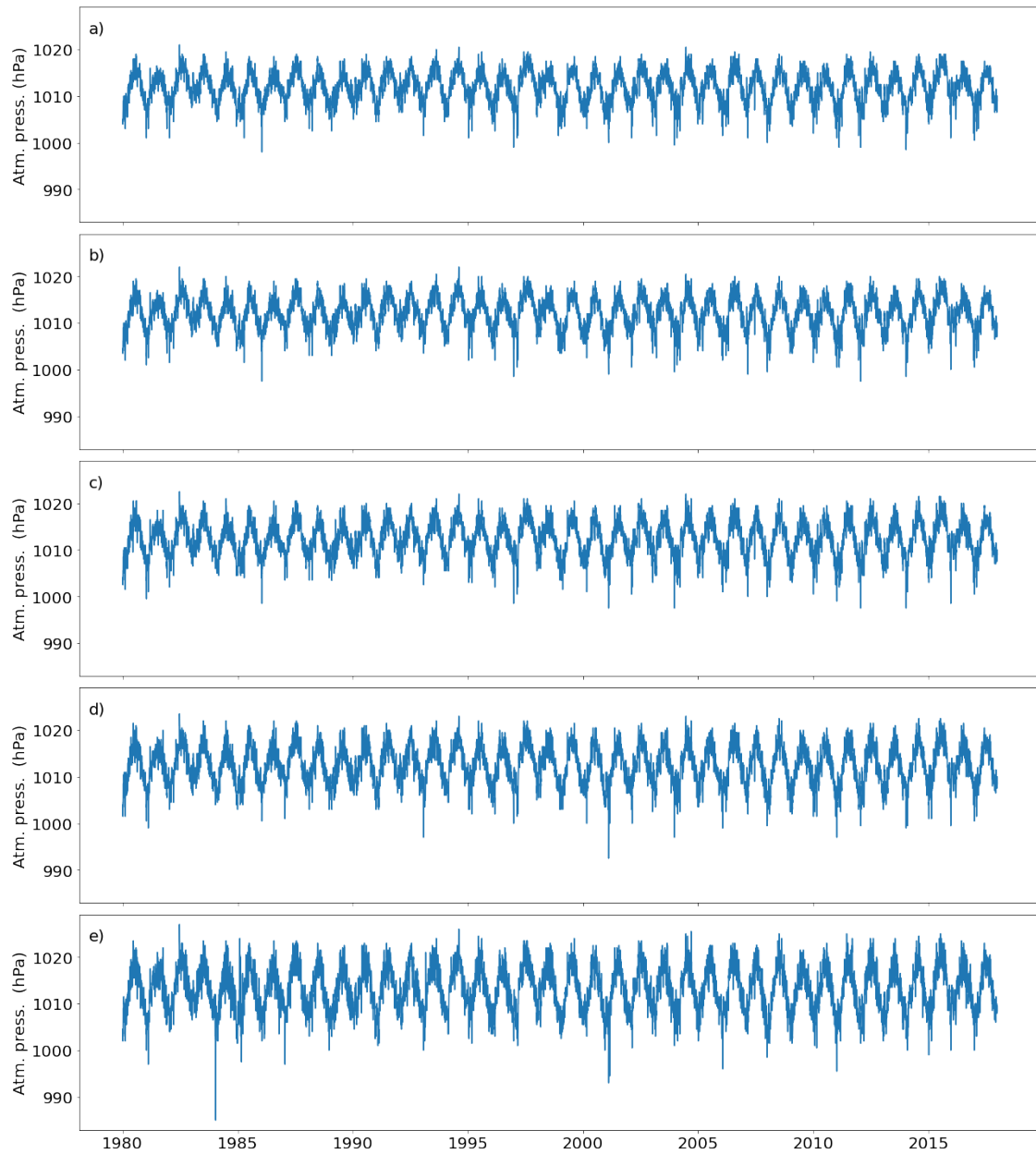


Figure S1.5 Atmospheric air pressure for a) Howard Springs, b) Adelaide River, c) Daly River, d) Dry River and e) Sturt Plains.

1.1.6 Atmospheric CO₂-levels

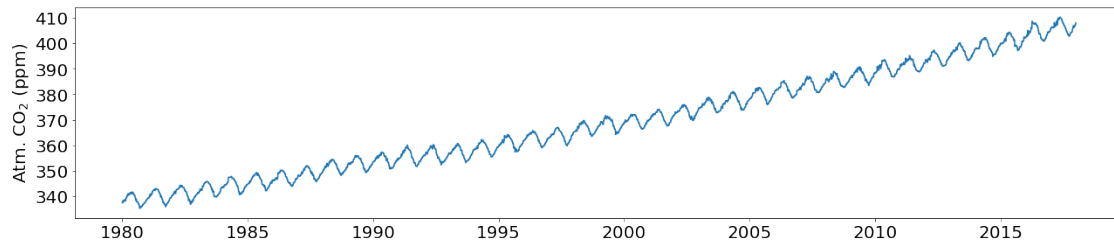


Figure S1.6 *Atmospheric CO₂-levels used for Howard Springs, Adelaide River, Daly River, Dry River and Sturt Plains.*

1.2 Mean Annual Values

	prec. (mm year ⁻¹)	pot. evap (mm year ⁻¹)	aridity (-)	net radiation (MJ m ⁻² year ⁻¹)	max.temp (°C)	min.temp (°C)
Howard Springs	1746.61	1763.28	1.03	4392.15	27.36	37.46
Adelaide River	1497.83	1802.22	1.18	4313.19	26.63	38.84
Daly River	1165.62	1895.54	1.48	4215.41	26.86	40.57
Dry River	898.36	1948.26	1.87	4104.89	27.68	41.14
Sturt Plains	616.46	2081.91	2.70	4079.21	28.14	42.97

Table S1.1 *Mean annual values of precipitation, daily maximum and daily minimum temperatures for the different sites.*

1.3 Mean monthly values

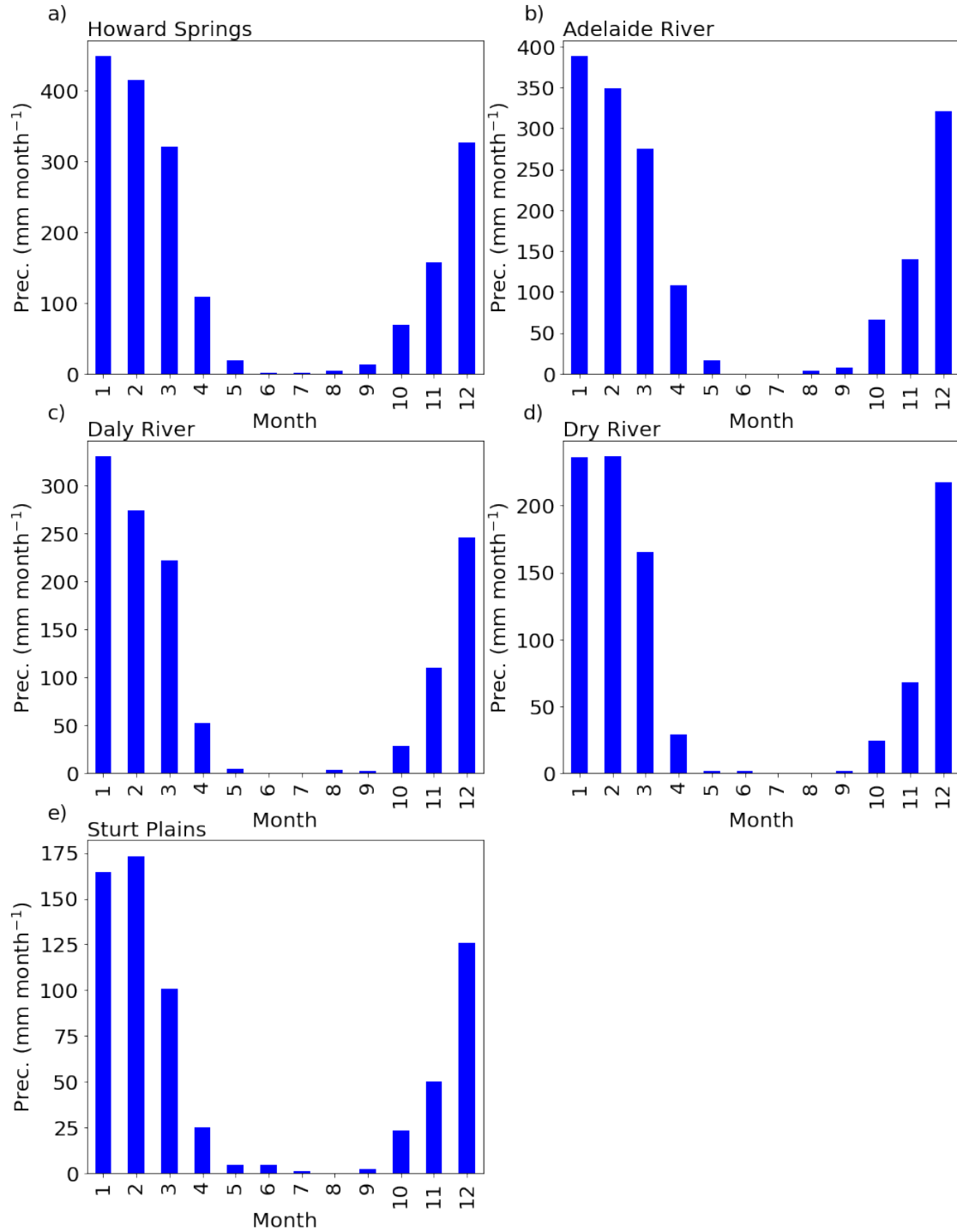


Figure S1.7 Mean monthly precipitation for a) Howard Springs, b) Adelaide River, c) Daly River, d) Dry River and e) Sturt Plains.