

Subbasin	Variable	Is it a factor?	Is it the only factor?
Upper Yarkand	P underestimation	Yes: glacier (low glacier ratio, smaller trend in discharge simulation)	Likely no (very high PET = 1240.4 mm yr ⁻¹ ; high ET/ P = 0.68)
	PET overestimation	Likely yes: very high PET = 1240.4 mm yr ⁻¹	No (very low PET = 225.0 mm yr ⁻¹ ; low PET/ P = 0.91)
	ET overestimation		Likely no (very high PET = 1240.4 mm yr ⁻¹ ; high PET/ P = 5.02)
Upper Hotan	P underestimation		Likely no (very high PET = 1153.7 mm yr ⁻¹ ; high ET/ P = 0.70)
	PET overestimation	Likely yes: very high PET = 1153.7 mm yr ⁻¹	
	ET overestimation		Likely no (very high PET = 1153.7 mm yr ⁻¹)
Upper Aksu	P underestimation	Yes: $P < R$ in summer	Likely no (low PET/ P = 1.14)
	PET overestimation		No (very low PET = 174.1 mm yr ⁻¹ , very low PET/ P = 0.48)
	ET overestimation		