Table 5.1. Fitting results for cool and hot phases at $|z| = H$

		cool				hot			
X	Y	α	β	ϵ	ρ	α	β	ϵ	ρ
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
$\Sigma_{\rm SFR,40}$	η_M	$-0.08^{+0.38}_{-0.38}$	$-0.45^{+0.19}_{-0.20}$	0.57	$-0.92^{+0.28}_{-0.07}$	$-0.87^{+0.30}_{-0.29}$	$-0.08^{+0.19}_{-0.18}$	0.45	$-0.44^{+0.93}_{-0.48}$
	η_p	$-1.71^{+0.40}_{-0.37}$	$-0.28^{+0.19}_{-0.19}$	0.58	$-0.81^{+0.52}_{-0.16}$	$-1.31^{+0.31}_{-0.31}$	$0.02^{+0.18}_{-0.18}$	0.47	$0.08^{+0.71}_{-0.80}$
	η_E	$-2.23^{+0.36}_{-0.36}$	$-0.12^{+0.18}_{-0.18}$	0.53	$-0.55^{+0.81}_{-0.38}$	$-0.69^{+0.36}_{-0.37}$	$0.14^{+0.22}_{-0.23}$	0.56	$0.55^{+0.39}_{-0.90}$
	$\eta_Z^{\rm SN}$	$-0.82^{+0.46}_{-0.45}$	$0.01^{+0.32}_{-0.30}$	0.72	$0.04^{+0.76}_{-0.86}$	$-0.61^{+0.34}_{-0.36}$	$0.11^{+0.21}_{-0.21}$	0.53	$0.47^{+0.45}_{-0.89}$
	$\overline{v}_{\rm out}$	$1.78^{+0.12}_{-0.12}$	$0.23^{+0.07}_{-0.07}$	0.20	$0.96^{+0.04}_{-0.16}$	$2.73^{+0.11}_{-0.11}$	$0.16^{+0.06}_{-0.07}$	0.17	$0.94^{+0.05}_{-0.23}$
	$\overline{v}_{\mathcal{B}}$	$1.93^{+0.09}_{-0.09}$	$0.17^{+0.05}_{-0.04}$	0.14	$0.96^{+0.03}_{-0.15}$	$3.06^{+0.09}_{-0.09}$	$0.12^{+0.06}_{-0.06}$	0.14	$0.92^{+0.07}_{-0.32}$
	y_Z	$0.03^{+0.01}_{-0.01}$	$0.01^{+0.01}_{-0.00}$	0.02	$0.86^{+0.12}_{-0.41}$	$0.26^{+0.07}_{-0.07}$	$0.04^{+0.03}_{-0.04}$	0.10	$0.76^{+0.21}_{-0.68}$
$\Sigma_{\rm gas}$	η_M	$2.15^{+0.78}_{-0.76}$	$-1.17^{+0.53}_{-0.53}$	0.58	$-0.91^{+0.29}_{-0.08}$	$-0.43^{+0.66}_{-0.72}$	$-0.23^{+0.47}_{-0.43}$	0.43	$-0.47^{+0.91}_{-0.45}$
	η_p	$-0.29^{+0.69}_{-0.72}$	$-0.73^{+0.49}_{-0.48}$	0.57	$-0.82^{+0.52}_{-0.15}$	$-1.38^{+0.72}_{-0.72}$	$0.04^{+0.48}_{-0.48}$	0.46	$0.08^{+0.73}_{-0.80}$
	η_E	$-1.63^{+0.74}_{-0.73}$	$-0.31^{+0.50}_{-0.52}$	0.57	$-0.49^{+0.79}_{-0.41}$	$-1.36^{+0.94}_{-0.91}$	$0.33^{+0.62}_{-0.60}$	0.58	$0.51^{+0.42}_{-0.93}$
	$\eta_Z^{\rm SN}$	$-0.85^{+1.18}_{-1.39}$	$-0.00^{+0.89}_{-0.77}$	0.74	$-0.00^{+0.81}_{-0.82}$	$-1.14^{+0.83}_{-0.85}$	$0.27^{+0.56}_{-0.54}$	0.53	$0.47^{+0.45}_{-0.90}$
	$\overline{v}_{\rm out}$	$0.65^{+0.26}_{-0.27}$	$0.59^{+0.19}_{-0.18}$	0.22	$0.94^{+0.05}_{-0.20}$	$1.93^{+0.25}_{-0.27}$	$0.42^{+0.18}_{-0.17}$	0.19	$0.92^{+0.07}_{-0.27}$
	$\overline{v}_{\mathcal{B}}$	$1.10^{+0.18}_{-0.17}$	$0.43^{+0.12}_{-0.13}$	0.18	$0.93^{+0.06}_{-0.22}$	$2.47^{+0.23}_{-0.23}$	$0.31^{+0.15}_{-0.16}$	0.17	$0.89^{+0.10}_{-0.39}$
	y_Z	$-0.01^{+0.01}_{-0.02}$	$0.02^{+0.02}_{-0.01}$	0.02	$0.83^{+0.14}_{-0.46}$	$0.06^{+0.14}_{-0.12}$	$0.10^{+0.09}_{-0.10}$	0.09	$0.76^{+0.21}_{-0.68}$
$n_{\rm mid}$	η_M	$0.92^{+0.32}_{-0.31}$	$-0.76^{+0.34}_{-0.35}$	0.56	$-0.91^{+0.31}_{-0.08}$	$-0.69^{+0.28}_{-0.29}$	$-0.12^{+0.31}_{-0.31}$	0.45	$-0.41^{+0.90}_{-0.50}$
	η_p	$-1.07^{+0.30}_{-0.28}$	$-0.49^{+0.32}_{-0.33}$	0.55	$-0.82^{+0.50}_{-0.15}$	$-1.35^{+0.28}_{-0.30}$	$0.03^{+0.31}_{-0.31}$	0.47	$0.09^{+0.73}_{-0.82}$
	η_E	$-1.96^{+0.30}_{-0.30}$	$-0.21^{+0.34}_{-0.36}$	0.56	$-0.51^{+0.81}_{-0.41}$	$-1.02^{+0.35}_{-0.36}$	$0.25^{+0.41}_{-0.40}$	0.56	$0.57^{+0.37}_{-0.93}$
	$\eta_Z^{\rm SN}$	$-0.87^{+0.47}_{-0.52}$	$0.06^{+0.60}_{-0.58}$	0.73	$0.12^{+0.72}_{-0.90}$	$-0.87^{+0.32}_{-0.34}$	$0.18^{+0.38}_{-0.35}$	0.52	$0.48^{+0.44}_{-0.92}$
	$\overline{v}_{\rm out}$	$1.28^{+0.11}_{-0.11}$	$0.39^{+0.13}_{-0.12}$	0.21	$0.95^{+0.04}_{-0.19}$	$2.36^{+0.10}_{-0.11}$	$0.28^{+0.13}_{-0.11}$	0.18	$0.93^{+0.06}_{-0.27}$
	$\overline{v}_{\mathcal{B}}$	$1.55^{+0.07}_{-0.07}$	$0.28^{+0.08}_{-0.08}$	0.15	$0.95^{+0.04}_{-0.18}$	$2.79^{+0.09}_{-0.08}$	$0.20^{+0.10}_{-0.10}$	0.15	$0.91^{+0.08}_{-0.36}$
	y_Z	$0.01^{+0.01}_{-0.01}$	$0.01^{+0.01}_{-0.01}$	0.02	$0.83^{+0.14}_{-0.43}$	$0.17^{+0.05}_{-0.04}$	$0.07^{+0.06}_{-0.06}$	0.09	$0.77^{+0.20}_{-0.67}$
$P_{\rm mid}$	η_M	$3.21^{+1.23}_{-1.19}$	$-0.52^{+0.23}_{-0.24}$	0.57	$-0.91^{+0.30}_{-0.07}$	$-0.29^{+1.09}_{-1.14}$	$-0.09^{+0.21}_{-0.20}$	0.46	$-0.42^{+0.91}_{-0.49}$
	η_p	$0.30^{+1.10}_{-1.06}$	$-0.32^{+0.21}_{-0.21}$	0.55	$-0.83^{+0.51}_{-0.15}$	$-1.43^{+1.12}_{-1.13}$	$0.02^{+0.21}_{-0.21}$	0.48	$0.08^{+0.71}_{-0.81}$
	η_E	$-1.40^{+1.10}_{-1.12}$	$-0.13^{+0.21}_{-0.21}$	0.54	$-0.49^{+0.82}_{-0.43}$	$-1.75^{+1.42}_{-1.33}$	$0.17^{+0.25}_{-0.27}$	0.55	$0.58^{+0.37}_{-0.91}$
	$\eta_Z^{\rm SN}$	$-0.97^{+1.86}_{-1.88}$	$0.02^{+0.35}_{-0.34}$	0.70	$0.07^{+0.74}_{-0.86}$	$-1.44^{+1.26}_{-1.23}$	$0.13^{+0.23}_{-0.23}$	0.50	$0.51^{+0.41}_{-0.94}$
	$\overline{v}_{\rm out}$	$0.14^{+0.38}_{-0.40}$	$0.26^{+0.08}_{-0.07}$	0.19	$0.96^{+0.04}_{-0.15}$	$1.56^{+0.38}_{-0.40}$	$0.19^{+0.08}_{-0.07}$	0.16	$0.95^{+0.04}_{-0.21}$
	$\overline{v}_{\mathcal{B}}$	$0.72^{+0.22}_{-0.25}$	$0.19^{+0.05}_{-0.04}$	0.14	$0.97^{+0.03}_{-0.14}$	$2.20^{+0.34}_{-0.33}$	$0.14^{+0.06}_{-0.06}$	0.15	$0.91^{+0.08}_{-0.33}$
	y_Z	$-0.03^{+0.02}_{-0.03}$	$0.01^{+0.01}_{-0.01}$	0.02	$0.88^{+0.10}_{-0.40}$	$-0.03^{+0.19}_{-0.18}$	$0.05^{+0.04}_{-0.04}$	0.09	$0.79^{+0.18}_{-0.61}$
$\mathcal{W}$	η_M	$3.24^{+1.18}_{-1.11}$	$-0.54^{+0.22}_{-0.23}$	0.56	$-0.92^{+0.26}_{-0.07}$	$-0.29^{+1.08}_{-1.13}$	$-0.09^{+0.21}_{-0.21}$	0.44	$-0.41^{+0.93}_{-0.51}$
	η_p	$0.36^{+1.08}_{-1.07}$	$-0.33^{+0.21}_{-0.21}$	0.55	$-0.84^{+0.49}_{-0.14}$	$-1.47^{+1.09}_{-1.18}$	$0.03^{+0.23}_{-0.21}$	0.48	$0.12^{+0.70}_{-0.82}$
	η_E	$-1.38^{+1.09}_{-1.13}$	$-0.14^{+0.22}_{-0.22}$	0.55	$-0.49^{+0.80}_{-0.41}$	$-1.74^{+1.46}_{-1.41}$	$0.17^{+0.27}_{-0.28}$	0.57	$0.56^{+0.38}_{-0.92}$
	$\eta_Z^{\rm SN}$	$-1.09^{+1.84}_{-2.00}$	$0.05^{+0.38}_{-0.35}$	0.73	$0.16^{+0.67}_{-0.92}$	$-1.44^{+1.31}_{-1.31}$	$0.14^{+0.24}_{-0.25}$	0.52	$0.51^{+0.41}_{-0.93}$
	$\overline{v}_{\rm out}$	$0.10^{+0.37}_{-0.36}$	$0.27^{+0.07}_{-0.07}$	0.17	$0.97^{+0.03}_{-0.12}$	$1.50^{+0.40}_{-0.39}$	$0.20^{+0.07}_{-0.07}$	0.16	$0.95^{+0.04}_{-0.21}$
	$\overline{v}_{\mathcal{B}}$	$0.69^{+0.21}_{-0.22}$	$0.20^{+0.05}_{-0.04}$	0.13	$0.97^{+0.03}_{-0.12}$	$2.15^{+0.34}_{-0.30}$	$0.15^{+0.06}_{-0.07}$	0.14	$0.93^{+0.06}_{-0.30}$
	y_Z	$-0.03^{+0.02}_{-0.03}$	$0.01^{+0.01}_{-0.01}$	0.02	$0.89^{+0.10}_{-0.39}$	$-0.04^{+0.20}_{-0.19}$	$0.05^{+0.04}_{-0.04}$	0.09	$0.80^{+0.17}_{-0.63}$
$t_{\rm dep,40}$	η_M	$-1.44^{+0.85}_{-0.86}$	$0.70^{+0.29}_{-0.27}$	0.56	$0.92^{+0.07}_{-0.27}$	$-1.05^{+0.73}_{-0.71}$	$0.10^{+0.25}_{-0.26}$	0.43	$0.36^{+0.54}_{-0.86}$
	η_p	$-2.56^{+0.82}_{-0.85}$	$0.44^{+0.28}_{-0.25}$	0.54	$0.83^{+0.15}_{-0.45}$	$-1.26^{+0.83}_{-0.78}$	$-0.02^{+0.27}_{-0.29}$	0.48	$-0.08^{+0.79}_{-0.71}$
	η_E	$-2.60^{+0.86}_{-0.85}$	$0.19^{+0.28}_{-0.28}$	0.54	$0.52^{+0.39}_{-0.76}$	$-0.28^{+0.94}_{-0.93}$	$-0.21^{+0.32}_{-0.34}$	0.55	$-0.56^{+0.87}_{-0.38}$
	$\eta_Z^{\rm SN}$	$-0.69^{+1.39}_{-1.22}$	$-0.05^{+0.44}_{-0.52}$	0.72	$-0.11^{+0.89}_{-0.72}$	$-0.24^{+0.79}_{-0.85}$	$-0.19^{+0.29}_{-0.28}$	0.49	$-0.57^{+0.87}_{-0.37}$
	$\overline{v}_{\rm out}$	$2.47^{+0.28}_{-0.28}$	$-0.35^{+0.09}_{-0.10}$	0.18	$-0.96^{+0.14}_{-0.03}$	$3.20^{+0.27}_{-0.26}$	$-0.24^{+0.09}_{-0.10}$	0.15	$-0.95^{+0.23}_{-0.05}$
	$\overline{v}_{\mathcal{B}}$	$2.45^{+0.23}_{-0.20}$	$-0.26^{+0.06}_{-0.07}$	0.13	$-0.96^{+0.14}_{-0.03}$	$3.42^{+0.24}_{-0.24}$	$-0.19^{+0.08}_{-0.08}$	0.14	$-0.92^{+0.32}_{-0.07}$
	y_Z	$0.06^{+0.04}_{-0.03}$	$-0.02^{+0.01}_{-0.01}$	0.02	$-0.88^{+0.40}_{-0.10}$	$0.39^{+0.15}_{-0.16}$	$-0.07^{+0.05}_{-0.05}$	0.09	$-0.79^{+0.61}_{-0.18}$

NOTE—Linear regression results for $\log X$ and $\log Y$. The values given for the intercept α, slope β, and Pearson correlation coefficient ρ are the median and interval containing 68% of the estimates over the posterior distributions, while the 68% upper limit is given for the intrinsic scatter ϵ.

Table 5.2. Fitting results for cool and hot phases at $|z| = 2H$

		cool				hot			
X	Y	α	β	ϵ	ρ	α	β	ϵ	ρ
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
$\Sigma_{\rm SFR,40}$	η_M	$-0.50^{+0.37}_{-0.38}$	$-0.42^{+0.20}_{-0.20}$	0.55	$-0.91^{+0.33}_{-0.08}$	$-1.08^{+0.34}_{-0.32}$	$-0.07^{+0.22}_{-0.21}$	0.52	$-0.35^{+0.92}_{-0.56}$
	η_p	$-1.93^{+0.38}_{-0.40}$	$-0.24^{+0.21}_{-0.21}$	0.58	$-0.75^{+0.63}_{-0.21}$	$-1.63^{+0.38}_{-0.34}$	$0.03^{+0.22}_{-0.21}$	0.54	$0.13^{+0.70}_{-0.84}$
	η_E	$-2.36^{+0.41}_{-0.40}$	$-0.05^{+0.21}_{-0.23}$	0.61	$-0.23^{+0.84}_{-0.60}$	$-1.11^{+0.44}_{-0.43}$	$0.13^{+0.28}_{-0.27}$	0.65	$0.45^{+0.46}_{-0.93}$
	$\eta_Z^{\rm SN}$	$-0.84^{+0.42}_{-0.41}$	$0.12^{+0.25}_{-0.24}$	0.62	$0.44^{+0.45}_{-0.91}$	$-0.96^{+0.39}_{-0.38}$	$0.13^{+0.23}_{-0.25}$	0.56	$0.51^{+0.42}_{-0.97}$
	$\overline{v}_{\rm out}$	$1.94^{+0.13}_{-0.12}$	$0.23^{+0.07}_{-0.07}$	0.19	$0.96^{+0.03}_{-0.16}$	$2.62^{+0.12}_{-0.12}$	$0.16^{+0.07}_{-0.07}$	0.18	$0.93^{+0.06}_{-0.29}$
	$\overline{v}_{\mathcal{B}}$	$2.06^{+0.09}_{-0.10}$	$0.18^{+0.05}_{-0.05}$	0.14	$0.97^{+0.03}_{-0.14}$	$2.94^{+0.10}_{-0.11}$	$0.11^{+0.06}_{-0.06}$	0.15	$0.90^{+0.09}_{-0.38}$
	y_Z	$0.06^{+0.02}_{-0.01}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.92^{+0.07}_{-0.25}$	$0.21^{+0.05}_{-0.05}$	$0.03^{+0.02}_{-0.03}$	0.07	$0.79^{+0.19}_{-0.66}$
$\Sigma_{\rm gas}$	η_M	$1.60^{+0.79}_{-0.82}$	$-1.09^{+0.56}_{-0.55}$	0.58	$-0.90^{+0.34}_{-0.09}$	$-0.71^{+0.86}_{-0.89}$	$-0.20^{+0.59}_{-0.56}$	0.51	$-0.35^{+0.94}_{-0.55}$
	η_p	$-0.71^{+0.78}_{-0.79}$	$-0.65^{+0.54}_{-0.53}$	0.55	$-0.77^{+0.60}_{-0.20}$	$-1.68^{+0.77}_{-0.80}$	$0.02^{+0.53}_{-0.50}$	0.51	$0.04^{+0.75}_{-0.80}$
	η_E	$-2.03^{+0.83}_{-0.88}$	$-0.19^{+0.62}_{-0.55}$	0.60	$-0.29^{+0.88}_{-0.56}$	$-1.72^{+1.07}_{-1.07}$	$0.30^{+0.70}_{-0.70}$	0.62	$0.44^{+0.48}_{-0.99}$
	$\eta_Z^{\rm SN}$	$-1.49^{+0.94}_{-0.94}$	$0.34^{+0.65}_{-0.63}$	0.63	$0.47^{+0.43}_{-0.88}$	$-1.48^{+0.96}_{-0.99}$	$0.28^{+0.66}_{-0.63}$	0.60	$0.43^{+0.47}_{-0.95}$
	$\overline{v}_{\rm out}$	$0.79^{+0.31}_{-0.29}$	$0.61^{+0.20}_{-0.21}$	0.23	$0.94^{+0.05}_{-0.22}$	$1.87^{+0.29}_{-0.30}$	$0.39^{+0.20}_{-0.19}$	0.20	$0.91^{+0.08}_{-0.34}$
	$\overline{v}_{\mathcal{B}}$	$1.16^{+0.18}_{-0.17}$	$0.47^{+0.12}_{-0.13}$	0.17	$0.95^{+0.04}_{-0.18}$	$2.39^{+0.25}_{-0.25}$	$0.28^{+0.17}_{-0.17}$	0.17	$0.88^{+0.11}_{-0.42}$
	y_Z	$-0.02^{+0.02}_{-0.02}$	$0.04^{+0.02}_{-0.01}$	0.02	$0.88^{+0.10}_{-0.31}$	$0.05^{+0.10}_{-0.09}$	$0.08^{+0.06}_{-0.07}$	0.07	$0.78^{+0.19}_{-0.67}$
$n_{\rm mid}$	η_M	$0.45^{+0.33}_{-0.33}$	$-0.73^{+0.37}_{-0.39}$	0.58	$-0.90^{+0.35}_{-0.09}$	$-0.93^{+0.33}_{-0.34}$	$-0.12^{+0.40}_{-0.37}$	0.51	$-0.33^{+0.97}_{-0.57}$
	η_p	$-1.40^{+0.33}_{-0.34}$	$-0.42^{+0.38}_{-0.38}$	0.60	$-0.74^{+0.65}_{-0.22}$	$-1.67^{+0.31}_{-0.35}$	$0.05^{+0.36}_{-0.37}$	0.53	$0.14^{+0.70}_{-0.86}$
	η_E	$-2.19^{+0.33}_{-0.34}$	$-0.14^{+0.39}_{-0.39}$	0.57	$-0.34^{+0.93}_{-0.54}$	$-1.40^{+0.42}_{-0.42}$	$0.23^{+0.49}_{-0.49}$	0.64	$0.47^{+0.46}_{-0.99}$
	$\eta_Z^{\rm SN}$	$-1.11^{+0.35}_{-0.37}$	$0.23^{+0.46}_{-0.40}$	0.61	$0.50^{+0.42}_{-0.91}$	$-1.20^{+0.39}_{-0.40}$	$0.21^{+0.43}_{-0.44}$	0.59	$0.47^{+0.45}_{-0.98}$
	$\overline{v}_{\rm out}$	$1.44^{+0.12}_{-0.12}$	$0.38^{+0.14}_{-0.13}$	0.22	$0.95^{+0.05}_{-0.21}$	$2.29^{+0.12}_{-0.12}$	$0.26^{+0.14}_{-0.13}$	0.20	$0.91^{+0.08}_{-0.34}$
	$\overline{v}_{\mathcal{B}}$	$1.66^{+0.07}_{-0.08}$	$0.30^{+0.09}_{-0.08}$	0.16	$0.96^{+0.04}_{-0.17}$	$2.70^{+0.10}_{-0.10}$	$0.19^{+0.11}_{-0.11}$	0.17	$0.88^{+0.11}_{-0.46}$
	y_Z	$0.02^{+0.01}_{-0.01}$	$0.03^{+0.01}_{-0.01}$	0.02	$0.91^{+0.07}_{-0.27}$	$0.14^{+0.04}_{-0.04}$	$0.05^{+0.04}_{-0.05}$	0.07	$0.78^{+0.20}_{-0.70}$
$P_{\rm mid}$	η_M	$2.51^{+1.26}_{-1.24}$	$-0.48^{+0.24}_{-0.24}$	0.56	$-0.90^{+0.34}_{-0.08}$	$-0.64^{+1.34}_{-1.46}$	$-0.07^{+0.27}_{-0.25}$	0.53	$-0.28^{+0.91}_{-0.62}$
	η_p	$-0.26^{+1.21}_{-1.17}$	$-0.27^{+0.22}_{-0.23}$	0.56	$-0.76^{+0.61}_{-0.21}$	$-1.91^{+1.27}_{-1.25}$	$0.05^{+0.24}_{-0.24}$	0.54	$0.20^{+0.63}_{-0.86}$
	η_E	$-1.93^{+1.28}_{-1.27}$	$-0.07^{+0.25}_{-0.25}$	0.60	$-0.25^{+0.85}_{-0.59}$	$-2.17^{+1.62}_{-1.58}$	$0.17^{+0.30}_{-0.31}$	0.64	$0.52^{+0.40}_{-0.93}$
	$\eta_Z^{\rm SN}$	$-1.68^{+1.40}_{-1.53}$	$0.14^{+0.29}_{-0.27}$	0.61	$0.45^{+0.46}_{-0.90}$	$-1.86^{+1.52}_{-1.56}$	$0.15^{+0.29}_{-0.29}$	0.58	$0.51^{+0.42}_{-0.97}$
	$\overline{v}_{\rm out}$	$0.28^{+0.43}_{-0.46}$	$0.26^{+0.09}_{-0.08}$	0.20	$0.96^{+0.03}_{-0.15}$	$1.53^{+0.43}_{-0.45}$	$0.17^{+0.08}_{-0.08}$	0.19	$0.91^{+0.08}_{-0.30}$
	$\overline{v}_{\mathcal{B}}$	$0.77^{+0.24}_{-0.26}$	$0.20^{+0.05}_{-0.05}$	0.14	$0.97^{+0.03}_{-0.12}$	$2.14^{+0.35}_{-0.33}$	$0.13^{+0.06}_{-0.07}$	0.15	$0.90^{+0.08}_{-0.37}$
	y_Z	$-0.06^{+0.03}_{-0.03}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.94^{+0.05}_{-0.22}$	$-0.03^{+0.16}_{-0.14}$	$0.04^{+0.03}_{-0.03}$	0.07	$0.80^{+0.17}_{-0.64}$
$\mathcal{W}$	η_M	$2.61^{+1.15}_{-1.22}$	$-0.50^{+0.23}_{-0.23}$	0.54	$-0.91^{+0.30}_{-0.07}$	$-0.64^{+1.29}_{-1.36}$	$-0.07^{+0.26}_{-0.24}$	0.49	$-0.31^{+0.93}_{-0.60}$
	η_p	$-0.16^{+1.22}_{-1.21}$	$-0.29^{+0.24}_{-0.24}$	0.57	$-0.77^{+0.61}_{-0.20}$	$-1.89^{+1.25}_{-1.25}$	$0.04^{+0.24}_{-0.24}$	0.52	$0.19^{+0.66}_{-0.87}$
	η_E	$-1.88^{+1.29}_{-1.30}$	$-0.08^{+0.26}_{-0.25}$	0.59	$-0.29^{+0.87}_{-0.56}$	$-2.12^{+1.66}_{-1.73}$	$0.16^{+0.33}_{-0.32}$	0.66	$0.49^{+0.44}_{-0.96}$
	$\eta_Z^{\rm SN}$	$-1.62^{+1.44}_{-1.52}$	$0.13^{+0.29}_{-0.28}$	0.61	$0.41^{+0.49}_{-0.94}$	$-1.77^{+1.48}_{-1.51}$	$0.13^{+0.29}_{-0.28}$	0.58	$0.45^{+0.47}_{-0.95}$
	$\overline{v}_{\rm out}$	$0.24^{+0.41}_{-0.41}$	$0.28^{+0.08}_{-0.08}$	0.18	$0.97^{+0.03}_{-0.13}$	$1.48^{+0.47}_{-0.46}$	$0.19^{+0.09}_{-0.09}$	0.18	$0.92^{+0.06}_{-0.29}$
	$\overline{v}_{\mathcal{B}}$	$0.72^{+0.25}_{-0.24}$	$0.22^{+0.05}_{-0.05}$	0.13	$0.97^{+0.03}_{-0.12}$	$2.13^{+0.37}_{-0.36}$	$0.13^{+0.07}_{-0.07}$	0.15	$0.90^{+0.08}_{-0.36}$
	y_Z	$-0.06^{+0.02}_{-0.03}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.94^{+0.05}_{-0.20}$	$-0.02^{+0.15}_{-0.14}$	$0.04^{+0.03}_{-0.03}$	0.07	$0.81^{+0.16}_{-0.62}$
$t_{\rm dep,40}$	η_M	$-1.79^{+0.86}_{-0.90}$	$0.66^{+0.31}_{-0.28}$	0.53	$0.92^{+0.07}_{-0.29}$	$-1.20^{+0.96}_{-0.88}$	$0.07^{+0.32}_{-0.34}$	0.54	$0.21^{+0.65}_{-0.87}$
	η_p	$-2.71^{+0.86}_{-0.86}$	$0.38^{+0.29}_{-0.28}$	0.55	$0.79^{+0.18}_{-0.55}$	$-1.50^{+0.91}_{-0.93}$	$-0.05^{+0.33}_{-0.32}$	0.51	$-0.17^{+0.86}_{-0.67}$
	η_E	$-2.59^{+0.91}_{-0.98}$	$0.11^{+0.32}_{-0.30}$	0.57	$0.33^{+0.52}_{-0.83}$	$-0.67^{+1.16}_{-1.07}$	$-0.22^{+0.37}_{-0.41}$	0.60	$-0.51^{+0.93}_{-0.41}$
	$\eta_Z^{\rm SN}$	$-0.41^{+1.03}_{-1.02}$	$-0.21^{+0.35}_{-0.35}$	0.62	$-0.50^{+0.85}_{-0.41}$	$-0.53^{+1.04}_{-0.98}$	$-0.21^{+0.35}_{-0.36}$	0.57	$-0.54^{+0.91}_{-0.39}$
	$\overline{v}_{\rm out}$	$2.61^{+0.31}_{-0.29}$	$-0.35^{+0.10}_{-0.10}$	0.18	$-0.96^{+0.14}_{-0.03}$	$3.10^{+0.33}_{-0.32}$	$-0.24^{+0.12}_{-0.12}$	0.18	$-0.92^{+0.29}_{-0.07}$
	$\overline{v}_{\mathcal{B}}$	$2.60^{+0.21}_{-0.21}$	$-0.28^{+0.07}_{-0.07}$	0.14	$-0.97^{+0.13}_{-0.03}$	$3.29^{+0.27}_{-0.26}$	$-0.18^{+0.09}_{-0.09}$	0.15	$-0.91^{+0.35}_{-0.08}$
	y_Z	$0.11^{+0.04}_{-0.03}$	$-0.03^{+0.01}_{-0.01}$	0.02	$-0.94^{+0.20}_{-0.05}$	$0.31^{+0.12}_{-0.12}$	$-0.05^{+0.04}_{-0.04}$	0.07	$-0.81^{+0.64}_{-0.17}$

NOTE—Linear regression results for $\log X$ and $\log Y$. The values given for the intercept α, slope β, and Pearson correlation coefficient ρ are the median and interval containing 68% of the estimates over the posterior distributions, while the 68% upper limit is given for the intrinsic scatter ϵ.

Table 5.3. Fitting results for cool and hot phases at $|z| = 500\,\mathrm{pc}$

		cool				hot			
X	Y	α	β	ϵ	ρ	α	β	ϵ	ρ
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
$\Sigma_{\mathrm{SFR},40}$	η_M	$-0.39^{+0.39}_{-0.37}$	$-0.51^{+0.20}_{-0.19}$	0.59	$-0.93^{+0.25}_{-0.06}$	$-1.01^{+0.31}_{-0.29}$	$-0.15^{+0.18}_{-0.19}$	0.46	$-0.63^{+0.82}_{-0.31}$
	η_p	$-1.89^{+0.38}_{-0.39}$	$-0.32^{+0.19}_{-0.20}$	0.59	$-0.84^{+0.45}_{-0.14}$	$-1.50^{+0.35}_{-0.36}$	$-0.08^{+0.20}_{-0.20}$	0.53	$-0.38^{+0.91}_{-0.51}$
	η_E	$-2.36^{+0.39}_{-0.39}$	$-0.15^{+0.20}_{-0.20}$	0.58	$-0.58^{+0.80}_{-0.35}$	$-0.92^{+0.42}_{-0.41}$	$0.04^{+0.25}_{-0.24}$	0.59	$0.17^{+0.68}_{-0.86}$
	η_Z^{SN}	$-0.84^{+0.43}_{-0.41}$	$0.05^{+0.28}_{-0.27}$	0.65	$0.21^{+0.64}_{-0.91}$	$-0.79^{+0.38}_{-0.37}$	$0.04^{+0.21}_{-0.22}$	0.57	$0.15^{+0.67}_{-0.84}$
	$\overline{v}_{\mathrm{out}}$	$1.92^{+0.12}_{-0.12}$	$0.26^{+0.07}_{-0.07}$	0.19	$0.97^{+0.03}_{-0.11}$	$2.68^{+0.11}_{-0.10}$	$0.15^{+0.07}_{-0.06}$	0.16	$0.94^{+0.05}_{-0.24}$
	$\overline{v}_{\mathcal{B}}$	$2.03^{+0.09}_{-0.09}$	$0.19^{+0.05}_{-0.05}$	0.14	$0.97^{+0.03}_{-0.12}$	$3.00^{+0.10}_{-0.10}$	$0.09^{+0.06}_{-0.06}$	0.15	$0.87^{+0.12}_{-0.46}$
	y_Z	$0.05^{+0.02}_{-0.01}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.91^{+0.07}_{-0.26}$	$0.24^{+0.06}_{-0.06}$	$0.03^{+0.03}_{-0.03}$	0.08	$0.73^{+0.24}_{-0.73}$
Σ_{gas}	η_M	$2.19^{+0.75}_{-0.75}$	$-1.35^{+0.52}_{-0.53}$	0.63	$-0.91^{+0.29}_{-0.07}$	$-0.24^{+0.73}_{-0.72}$	$-0.41^{+0.48}_{-0.48}$	0.45	$-0.68^{+0.83}_{-0.28}$
	η_p	$-0.31^{+0.78}_{-0.73}$	$-0.83^{+0.53}_{-0.54}$	0.61	$-0.83^{+0.49}_{-0.14}$	$-1.13^{+0.80}_{-0.76}$	$-0.19^{+0.50}_{-0.54}$	0.51	$-0.33^{+0.90}_{-0.54}$
	η_E	$-1.63^{+0.78}_{-0.78}$	$-0.37^{+0.53}_{-0.53}$	0.60	$-0.55^{+0.79}_{-0.36}$	$-1.09^{+0.96}_{-0.93}$	$0.08^{+0.62}_{-0.63}$	0.60	$0.13^{+0.70}_{-0.82}$
	η_Z^{SN}	$-1.10^{+1.04}_{-1.10}$	$0.12^{+0.74}_{-0.69}$	0.64	$0.18^{+0.66}_{-0.91}$	$-0.90^{+0.85}_{-0.85}$	$0.05^{+0.57}_{-0.58}$	0.53	$0.08^{+0.75}_{-0.82}$
	$\overline{v}_{\mathrm{out}}$	$0.64^{+0.27}_{-0.27}$	$0.67^{+0.19}_{-0.19}$	0.23	$0.95^{+0.04}_{-0.17}$	$1.94^{+0.25}_{-0.26}$	$0.39^{+0.17}_{-0.18}$	0.17	$0.92^{+0.07}_{-0.30}$
	$\overline{v}_{\mathcal{B}}$	$1.10^{+0.18}_{-0.19}$	$0.49^{+0.13}_{-0.13}$	0.18	$0.94^{+0.05}_{-0.19}$	$2.53^{+0.22}_{-0.20}$	$0.24^{+0.14}_{-0.15}$	0.16	$0.86^{+0.12}_{-0.48}$
	y_Z	$-0.02^{+0.02}_{-0.02}$	$0.04^{+0.02}_{-0.01}$	0.02	$0.87^{+0.11}_{-0.32}$	$0.08^{+0.13}_{-0.11}$	$0.08^{+0.08}_{-0.09}$	0.08	$0.67^{+0.28}_{-0.78}$
n_{mid}	η_M	$0.77^{+0.32}_{-0.31}$	$-0.88^{+0.35}_{-0.39}$	0.61	$-0.93^{+0.26}_{-0.06}$	$-0.67^{+0.30}_{-0.29}$	$-0.26^{+0.33}_{-0.33}$	0.47	$-0.65^{+0.84}_{-0.30}$
	η_p	$-1.17^{+0.29}_{-0.30}$	$-0.56^{+0.34}_{-0.33}$	0.57	$-0.85^{+0.45}_{-0.13}$	$-1.31^{+0.30}_{-0.31}$	$-0.15^{+0.36}_{-0.36}$	0.50	$-0.41^{+0.96}_{-0.50}$
	η_E	$-2.02^{+0.31}_{-0.31}$	$-0.26^{+0.35}_{-0.36}$	0.59	$-0.58^{+0.78}_{-0.34}$	$-1.00^{+0.38}_{-0.35}$	$0.06^{+0.41}_{-0.44}$	0.62	$0.14^{+0.70}_{-0.82}$
	η_Z^{SN}	$-0.97^{+0.41}_{-0.45}$	$0.09^{+0.54}_{-0.45}$	0.64	$0.21^{+0.65}_{-0.94}$	$-0.85^{+0.32}_{-0.33}$	$0.04^{+0.37}_{-0.38}$	0.53	$0.12^{+0.71}_{-0.85}$
	$\overline{v}_{\mathrm{out}}$	$1.34^{+0.11}_{-0.11}$	$0.44^{+0.14}_{-0.12}$	0.23	$0.96^{+0.04}_{-0.16}$	$2.35^{+0.10}_{-0.10}$	$0.25^{+0.12}_{-0.11}$	0.18	$0.93^{+0.06}_{-0.32}$
	$\overline{v}_{\mathcal{B}}$	$1.61^{+0.07}_{-0.08}$	$0.32^{+0.09}_{-0.08}$	0.16	$0.96^{+0.03}_{-0.15}$	$2.79^{+0.09}_{-0.08}$	$0.15^{+0.10}_{-0.10}$	0.16	$0.83^{+0.14}_{-0.51}$
	y_Z	$0.02^{+0.01}_{-0.01}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.88^{+0.09}_{-0.32}$	$0.16^{+0.04}_{-0.04}$	$0.05^{+0.05}_{-0.06}$	0.09	$0.70^{+0.26}_{-0.76}$
P_{mid}	η_M	$3.33^{+1.24}_{-1.18}$	$-0.59^{+0.23}_{-0.24}$	0.60	$-0.93^{+0.25}_{-0.06}$	$0.08^{+1.09}_{-1.14}$	$-0.17^{+0.22}_{-0.21}$	0.45	$-0.66^{+0.86}_{-0.29}$
	η_p	$0.40^{+1.12}_{-1.13}$	$-0.36^{+0.22}_{-0.22}$	0.57	$-0.84^{+0.45}_{-0.13}$	$-0.99^{+1.25}_{-1.19}$	$-0.08^{+0.23}_{-0.24}$	0.51	$-0.33^{+0.92}_{-0.55}$
	η_E	$-1.34^{+1.21}_{-1.14}$	$-0.16^{+0.22}_{-0.23}$	0.57	$-0.55^{+0.76}_{-0.36}$	$-1.19^{+1.44}_{-1.43}$	$0.04^{+0.27}_{-0.27}$	0.60	$0.16^{+0.68}_{-0.84}$
	η_Z^{SN}	$-1.17^{+1.54}_{-1.59}$	$0.05^{+0.29}_{-0.29}$	0.62	$0.18^{+0.65}_{-0.89}$	$-0.99^{+1.29}_{-1.31}$	$0.03^{+0.25}_{-0.25}$	0.55	$0.13^{+0.70}_{-0.81}$
	$\overline{v}_{\mathrm{out}}$	$0.06^{+0.38}_{-0.40}$	$0.29^{+0.08}_{-0.07}$	0.19	$0.97^{+0.03}_{-0.12}$	$1.61^{+0.39}_{-0.38}$	$0.17^{+0.07}_{-0.07}$	0.16	$0.94^{+0.06}_{-0.25}$
	$\overline{v}_{\mathcal{B}}$	$0.67^{+0.24}_{-0.26}$	$0.22^{+0.05}_{-0.05}$	0.14	$0.97^{+0.02}_{-0.11}$	$2.31^{+0.34}_{-0.31}$	$0.11^{+0.06}_{-0.06}$	0.15	$0.87^{+0.11}_{-0.46}$
	y_Z	$-0.05^{+0.03}_{-0.03}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.92^{+0.07}_{-0.25}$	$-0.00^{+0.18}_{-0.16}$	$0.04^{+0.03}_{-0.04}$	0.08	$0.77^{+0.20}_{-0.70}$
$\mathcal{W}$	η_M	$3.41^{+1.12}_{-1.10}$	$-0.62^{+0.22}_{-0.23}$	0.56	$-0.94^{+0.22}_{-0.05}$	$0.09^{+1.15}_{-1.17}$	$-0.17^{+0.22}_{-0.22}$	0.45	$-0.66^{+0.85}_{-0.30}$
	η_p	$0.43^{+1.11}_{-1.11}$	$-0.38^{+0.22}_{-0.22}$	0.57	$-0.85^{+0.43}_{-0.13}$	$-0.92^{+1.15}_{-1.21}$	$-0.09^{+0.23}_{-0.22}$	0.53	$-0.37^{+0.89}_{-0.52}$
	η_E	$-1.26^{+1.24}_{-1.16}$	$-0.18^{+0.23}_{-0.24}$	0.57	$-0.58^{+0.77}_{-0.35}$	$-1.19^{+1.45}_{-1.48}$	$0.05^{+0.28}_{-0.28}$	0.61	$0.17^{+0.67}_{-0.84}$
	η_Z^{SN}	$-1.14^{+1.60}_{-1.66}$	$0.05^{+0.31}_{-0.31}$	0.64	$0.16^{+0.68}_{-0.89}$	$-0.98^{+1.26}_{-1.30}$	$0.03^{+0.25}_{-0.24}$	0.55	$0.11^{+0.71}_{-0.82}$
	$\overline{v}_{\mathrm{out}}$	$-0.00^{+0.38}_{-0.36}$	$0.31^{+0.07}_{-0.07}$	0.17	$0.98^{+0.02}_{-0.09}$	$1.57^{+0.37}_{-0.36}$	$0.18^{+0.07}_{-0.07}$	0.15	$0.95^{+0.05}_{-0.22}$
	$\overline{v}_{\mathcal{B}}$	$0.64^{+0.23}_{-0.23}$	$0.23^{+0.05}_{-0.05}$	0.13	$0.98^{+0.02}_{-0.10}$	$2.30^{+0.34}_{-0.32}$	$0.11^{+0.06}_{-0.07}$	0.15	$0.88^{+0.11}_{-0.44}$
	y_Z	$-0.05^{+0.03}_{-0.03}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.91^{+0.07}_{-0.26}$	$-0.01^{+0.18}_{-0.17}$	$0.04^{+0.03}_{-0.04}$	0.08	$0.75^{+0.22}_{-0.70}$
$t_{\mathrm{dep},40}$	η_M	$-2.04^{+0.80}_{-0.88}$	$0.84^{+0.29}_{-0.27}$	0.58	$0.94^{+0.05}_{-0.22}$	$-1.44^{+0.79}_{-0.76}$	$0.23^{+0.26}_{-0.28}$	0.44	$0.67^{+0.28}_{-0.83}$
	η_p	$-2.93^{+0.84}_{-0.89}$	$0.52^{+0.29}_{-0.27}$	0.58	$0.85^{+0.12}_{-0.40}$	$-1.69^{+0.90}_{-0.89}$	$0.11^{+0.31}_{-0.31}$	0.51	$0.33^{+0.55}_{-0.88}$
	η_E	$-2.87^{+0.86}_{-0.89}$	$0.26^{+0.29}_{-0.27}$	0.55	$0.63^{+0.30}_{-0.68}$	$-0.85^{+1.01}_{-1.06}$	$-0.04^{+0.36}_{-0.35}$	0.61	$-0.11^{+0.80}_{-0.71}$
	η_Z^{SN}	$-0.65^{+1.18}_{-1.05}$	$-0.10^{+0.38}_{-0.42}$	0.63	$-0.27^{+0.93}_{-0.60}$	$-0.76^{+0.96}_{-0.96}$	$-0.03^{+0.32}_{-0.33}$	0.55	$-0.08^{+0.78}_{-0.71}$
	$\overline{v}_{\mathrm{out}}$	$2.69^{+0.29}_{-0.28}$	$-0.39^{+0.09}_{-0.10}$	0.18	$-0.97^{+0.11}_{-0.02}$	$3.10^{+0.27}_{-0.26}$	$-0.22^{+0.09}_{-0.09}$	0.15	$-0.93^{+0.26}_{-0.06}$
	$\overline{v}_{\mathcal{B}}$	$2.61^{+0.21}_{-0.20}$	$-0.29^{+0.06}_{-0.07}$	0.13	$-0.97^{+0.10}_{-0.02}$	$3.26^{+0.25}_{-0.27}$	$-0.14^{+0.09}_{-0.09}$	0.16	$-0.84^{+0.52}_{-0.14}$
	y_Z	$0.10^{+0.03}_{-0.03}$	$-0.02^{+0.01}_{-0.01}$	0.02	$-0.93^{+0.23}_{-0.06}$	$0.33^{+0.15}_{-0.15}$	$-0.05^{+0.05}_{-0.05}$	0.08	$-0.72^{+0.73}_{-0.24}$

NOTE—Linear regression results for $\log X$ and $\log Y$. The values given for the intercept α, slope β, and Pearson correlation coefficient ρ are the median and interval containing 68% of the estimates over the posterior distributions, while the 68% upper limit is given for the intrinsic scatter ϵ.

Table 5.4. Fitting results for cool and hot phases at $|z| = 1\,\mathrm{kpc}$

		cool				hot			
X	Y	α	β	ϵ	ρ	α	β	ϵ	ρ
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
$\Sigma_{\mathrm{SFR},40}$	η_M	$-0.75^{+0.48}_{-0.47}$	$-0.51^{+0.23}_{-0.24}$	0.74	$-0.89^{+0.33}_{-0.09}$	$-1.21^{+0.37}_{-0.36}$	$-0.12^{+0.22}_{-0.23}$	0.53	$-0.52^{+0.96}_{-0.42}$
	η_p	$-2.12^{+0.46}_{-0.46}$	$-0.32^{+0.23}_{-0.22}$	0.72	$-0.78^{+0.52}_{-0.18}$	$-1.84^{+0.40}_{-0.42}$	$-0.09^{+0.25}_{-0.23}$	0.55	$-0.37^{+0.96}_{-0.53}$
	η_E	$-2.50^{+0.43}_{-0.47}$	$-0.12^{+0.23}_{-0.24}$	0.70	$-0.42^{+0.79}_{-0.45}$	$-1.36^{+0.49}_{-0.49}$	$0.05^{+0.28}_{-0.30}$	0.69	$0.20^{+0.67}_{-0.93}$
	η_Z^{SN}	$-0.94^{+0.50}_{-0.46}$	$0.14^{+0.31}_{-0.28}$	0.69	$0.47^{+0.45}_{-0.98}$	$-1.17^{+0.42}_{-0.45}$	$0.02^{+0.25}_{-0.25}$	0.60	$0.09^{+0.75}_{-0.82}$
	$\overline{v}_{\mathrm{out}}$	$2.03^{+0.17}_{-0.17}$	$0.25^{+0.09}_{-0.09}$	0.25	$0.94^{+0.05}_{-0.20}$	$2.56^{+0.15}_{-0.14}$	$0.13^{+0.08}_{-0.07}$	0.19	$0.89^{+0.09}_{-0.38}$
	$\overline{v}_{\mathcal{B}}$	$2.11^{+0.12}_{-0.12}$	$0.20^{+0.06}_{-0.05}$	0.17	$0.96^{+0.04}_{-0.16}$	$2.84^{+0.12}_{-0.11}$	$0.07^{+0.06}_{-0.06}$	0.15	$0.79^{+0.18}_{-0.64}$
	y_Z	$0.07^{+0.02}_{-0.02}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.94^{+0.05}_{-0.21}$	$0.18^{+0.04}_{-0.04}$	$0.02^{+0.02}_{-0.03}$	0.06	$0.72^{+0.24}_{-0.78}$
Σ_{gas}	η_M	$1.85^{+0.88}_{-0.87}$	$-1.37^{+0.62}_{-0.62}$	0.75	$-0.89^{+0.33}_{-0.09}$	$-0.53^{+0.84}_{-0.88}$	$-0.37^{+0.58}_{-0.56}$	0.52	$-0.57^{+0.91}_{-0.37}$
	η_p	$-0.53^{+0.84}_{-0.83}$	$-0.82^{+0.59}_{-0.60}$	0.70	$-0.78^{+0.53}_{-0.19}$	$-1.40^{+0.88}_{-0.90}$	$-0.23^{+0.61}_{-0.61}$	0.58	$-0.38^{+0.93}_{-0.52}$
	η_E	$-1.86^{+0.86}_{-0.87}$	$-0.36^{+0.61}_{-0.59}$	0.68	$-0.47^{+0.79}_{-0.43}$	$-1.56^{+1.25}_{-1.12}$	$0.09^{+0.75}_{-0.81}$	0.70	$0.13^{+0.72}_{-0.87}$
	η_Z^{SN}	$-1.67^{+1.17}_{-1.21}$	$0.39^{+0.81}_{-0.78}$	0.71	$0.49^{+0.43}_{-0.96}$	$-1.29^{+1.02}_{-0.99}$	$0.06^{+0.67}_{-0.68}$	0.61	$0.09^{+0.74}_{-0.84}$
	$\overline{v}_{\mathrm{out}}$	$0.79^{+0.36}_{-0.35}$	$0.65^{+0.25}_{-0.25}$	0.27	$0.93^{+0.06}_{-0.24}$	$1.89^{+0.28}_{-0.27}$	$0.35^{+0.19}_{-0.19}$	0.20	$0.88^{+0.10}_{-0.40}$
	$\overline{v}_{\mathcal{B}}$	$1.14^{+0.21}_{-0.21}$	$0.51^{+0.15}_{-0.16}$	0.19	$0.94^{+0.05}_{-0.20}$	$2.49^{+0.23}_{-0.22}$	$0.18^{+0.15}_{-0.16}$	0.16	$0.75^{+0.22}_{-0.68}$
	y_Z	$-0.03^{+0.02}_{-0.03}$	$0.05^{+0.02}_{-0.02}$	0.03	$0.89^{+0.09}_{-0.28}$	$0.07^{+0.10}_{-0.09}$	$0.06^{+0.06}_{-0.07}$	0.06	$0.67^{+0.29}_{-0.84}$
n_{mid}	η_M	$0.41^{+0.37}_{-0.34}$	$-0.91^{+0.40}_{-0.43}$	0.70	$-0.91^{+0.30}_{-0.08}$	$-0.93^{+0.33}_{-0.34}$	$-0.23^{+0.41}_{-0.38}$	0.52	$-0.54^{+0.96}_{-0.39}$
	η_p	$-1.42^{+0.34}_{-0.33}$	$-0.58^{+0.37}_{-0.40}$	0.68	$-0.82^{+0.49}_{-0.15}$	$-1.64^{+0.35}_{-0.36}$	$-0.16^{+0.42}_{-0.40}$	0.57	$-0.39^{+0.97}_{-0.52}$
	η_E	$-2.21^{+0.37}_{-0.36}$	$-0.25^{+0.39}_{-0.43}$	0.71	$-0.49^{+0.78}_{-0.41}$	$-1.44^{+0.42}_{-0.42}$	$0.04^{+0.51}_{-0.51}$	0.67	$0.09^{+0.74}_{-0.87}$
	η_Z^{SN}	$-1.24^{+0.46}_{-0.50}$	$0.23^{+0.60}_{-0.52}$	0.71	$0.45^{+0.47}_{-1.03}$	$-1.21^{+0.37}_{-0.39}$	$0.04^{+0.44}_{-0.47}$	0.59	$0.09^{+0.74}_{-0.87}$
	$\overline{v}_{\mathrm{out}}$	$1.49^{+0.14}_{-0.15}$	$0.42^{+0.17}_{-0.16}$	0.28	$0.93^{+0.06}_{-0.24}$	$2.27^{+0.11}_{-0.11}$	$0.22^{+0.13}_{-0.13}$	0.21	$0.86^{+0.12}_{-0.44}$
	$\overline{v}_{\mathcal{B}}$	$1.68^{+0.09}_{-0.09}$	$0.33^{+0.11}_{-0.11}$	0.19	$0.95^{+0.05}_{-0.20}$	$2.69^{+0.09}_{-0.08}$	$0.12^{+0.11}_{-0.11}$	0.17	$0.74^{+0.22}_{-0.69}$
	y_Z	$0.03^{+0.01}_{-0.01}$	$0.03^{+0.01}_{-0.01}$	0.02	$0.92^{+0.07}_{-0.24}$	$0.13^{+0.04}_{-0.03}$	$0.04^{+0.04}_{-0.04}$	0.06	$0.70^{+0.27}_{-0.83}$
P_{mid}	η_M	$3.00^{+1.42}_{-1.34}$	$-0.60^{+0.27}_{-0.28}$	0.72	$-0.90^{+0.31}_{-0.08}$	$-0.30^{+1.29}_{-1.30}$	$-0.15^{+0.25}_{-0.25}$	0.54	$-0.54^{+0.93}_{-0.40}$
	η_p	$0.19^{+1.30}_{-1.30}$	$-0.37^{+0.26}_{-0.26}$	0.69	$-0.80^{+0.52}_{-0.17}$	$-1.28^{+1.37}_{-1.30}$	$-0.09^{+0.25}_{-0.26}$	0.54	$-0.35^{+0.92}_{-0.54}$
	η_E	$-1.57^{+1.38}_{-1.35}$	$-0.15^{+0.27}_{-0.26}$	0.69	$-0.45^{+0.81}_{-0.45}$	$-1.55^{+1.85}_{-1.73}$	$0.03^{+0.33}_{-0.35}$	0.69	$0.09^{+0.73}_{-0.85}$
	η_Z^{SN}	$-1.85^{+1.72}_{-1.79}$	$0.14^{+0.35}_{-0.32}$	0.71	$0.43^{+0.48}_{-0.95}$	$-1.42^{+1.58}_{-1.55}$	$0.05^{+0.29}_{-0.31}$	0.60	$0.17^{+0.68}_{-0.91}$
	$\overline{v}_{\mathrm{out}}$	$0.26^{+0.51}_{-0.55}$	$0.28^{+0.10}_{-0.10}$	0.26	$0.94^{+0.05}_{-0.22}$	$1.62^{+0.42}_{-0.42}$	$0.15^{+0.08}_{-0.08}$	0.19	$0.89^{+0.09}_{-0.39}$
	$\overline{v}_{\mathcal{B}}$	$0.71^{+0.32}_{-0.33}$	$0.22^{+0.07}_{-0.06}$	0.18	$0.96^{+0.04}_{-0.17}$	$2.35^{+0.35}_{-0.33}$	$0.08^{+0.07}_{-0.07}$	0.16	$0.76^{+0.21}_{-0.66}$
	y_Z	$-0.07^{+0.03}_{-0.04}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.94^{+0.05}_{-0.19}$	$0.03^{+0.14}_{-0.14}$	$0.02^{+0.03}_{-0.03}$	0.06	$0.69^{+0.27}_{-0.80}$
$\mathcal{W}$	η_M	$3.04^{+1.36}_{-1.30}$	$-0.62^{+0.26}_{-0.27}$	0.69	$-0.91^{+0.30}_{-0.08}$	$-0.40^{+1.28}_{-1.22}$	$-0.13^{+0.23}_{-0.24}$	0.52	$-0.50^{+0.90}_{-0.42}$
	η_p	$0.29^{+1.28}_{-1.34}$	$-0.39^{+0.27}_{-0.26}$	0.69	$-0.80^{+0.50}_{-0.17}$	$-1.28^{+1.45}_{-1.37}$	$-0.09^{+0.26}_{-0.28}$	0.57	$-0.34^{+0.92}_{-0.56}$
	η_E	$-1.63^{+1.40}_{-1.32}$	$-0.14^{+0.26}_{-0.28}$	0.69	$-0.44^{+0.80}_{-0.45}$	$-1.63^{+1.83}_{-1.77}$	$0.04^{+0.34}_{-0.35}$	0.68	$0.13^{+0.71}_{-0.88}$
	η_Z^{SN}	$-1.82^{+1.66}_{-1.83}$	$0.14^{+0.35}_{-0.32}$	0.69	$0.41^{+0.49}_{-0.97}$	$-1.44^{+1.56}_{-1.52}$	$0.05^{+0.29}_{-0.30}$	0.60	$0.16^{+0.70}_{-0.88}$
	$\overline{v}_{\mathrm{out}}$	$0.18^{+0.51}_{-0.52}$	$0.30^{+0.10}_{-0.10}$	0.24	$0.95^{+0.04}_{-0.19}$	$1.58^{+0.42}_{-0.42}$	$0.16^{+0.08}_{-0.08}$	0.19	$0.90^{+0.09}_{-0.36}$
	$\overline{v}_{\mathcal{B}}$	$0.67^{+0.31}_{-0.33}$	$0.24^{+0.07}_{-0.06}$	0.17	$0.96^{+0.03}_{-0.15}$	$2.33^{+0.35}_{-0.35}$	$0.08^{+0.07}_{-0.07}$	0.15	$0.79^{+0.18}_{-0.64}$
	y_Z	$-0.07^{+0.03}_{-0.04}$	$0.02^{+0.01}_{-0.01}$	0.02	$0.95^{+0.05}_{-0.18}$	$0.01^{+0.14}_{-0.13}$	$0.03^{+0.03}_{-0.03}$	0.06	$0.74^{+0.23}_{-0.74}$
$t_{\mathrm{dep},40}$	η_M	$-2.42^{+1.08}_{-1.06}$	$0.84^{+0.34}_{-0.34}$	0.71	$0.90^{+0.08}_{-0.30}$	$-1.60^{+0.92}_{-0.92}$	$0.19^{+0.32}_{-0.32}$	0.52	$0.53^{+0.40}_{-0.90}$
	η_p	$-3.13^{+1.01}_{-1.02}$	$0.51^{+0.32}_{-0.32}$	0.68	$0.80^{+0.16}_{-0.49}$	$-2.06^{+1.06}_{-1.03}$	$0.11^{+0.36}_{-0.37}$	0.56	$0.30^{+0.56}_{-0.91}$
	η_E	$-2.96^{+1.07}_{-1.06}$	$0.22^{+0.34}_{-0.34}$	0.70	$0.48^{+0.41}_{-0.75}$	$-1.32^{+1.30}_{-1.28}$	$-0.03^{+0.44}_{-0.45}$	0.69	$-0.07^{+0.83}_{-0.74}$
	η_Z^{SN}	$-0.50^{+1.36}_{-1.27}$	$-0.23^{+0.43}_{-0.49}$	0.71	$-0.48^{+0.91}_{-0.43}$	$-1.04^{+1.06}_{-1.08}$	$-0.05^{+0.37}_{-0.37}$	0.61	$-0.15^{+0.84}_{-0.67}$
	$\overline{v}_{\mathrm{out}}$	$2.78^{+0.40}_{-0.40}$	$-0.38^{+0.13}_{-0.13}$	0.24	$-0.95^{+0.21}_{-0.05}$	$2.95^{+0.35}_{-0.34}$	$-0.20^{+0.11}_{-0.11}$	0.20	$-0.87^{+0.41}_{-0.11}$
	$\overline{v}_{\mathcal{B}}$	$2.71^{+0.29}_{-0.27}$	$-0.30^{+0.08}_{-0.09}$	0.17	$-0.96^{+0.17}_{-0.04}$	$3.05^{+0.30}_{-0.28}$	$-0.11^{+0.09}_{-0.10}$	0.15	$-0.77^{+0.64}_{-0.20}$
	y_Z	$0.14^{+0.04}_{-0.03}$	$-0.03^{+0.01}_{-0.01}$	0.02	$-0.95^{+0.17}_{-0.04}$	$0.25^{+0.11}_{-0.12}$	$-0.04^{+0.04}_{-0.04}$	0.06	$-0.70^{+0.79}_{-0.26}$

NOTE—Linear regression results for $\log X$ and $\log Y$. The values given for the intercept α, slope β, and Pearson correlation coefficient ρ are the median and interval containing 68% of the estimates over the posterior distributions, while the 68% upper limit is given for the intrinsic scatter ϵ.