	model_param = 0 variable = mean 20.0	model_param = 0 variable = std	model_param = 0 variable = rhat 0.002	model_param = 0 variable = ess/grad_eval	model_param = 0 variable = ess^2/grad_eval	model_param = 0 variable = accept_total	model_param = 0 variable = accept_0	model_param = 0 variable = accept_1	model_param = 0 variable = accept_2
80	17.5	1.40	0.002	•		1.0	1.0	• •	0.005
	15.0	1.30	0.002	20	0.0020	0.8	0.8		
60	12.5	1.25	0.003	5	0.0015	0.6	0.00	4	0.004
value	10.0	1.20	20				0.00	3	0.003
40	7.5	1.15	0.001	.0	0.0010	0.4	0.4	2	0.002
20	5.0	1.10	0.000	0.5	0.0005	0.2	0.2		0.001
	2.5	1.05	0.5						0.001
0 di	• • 0.0 rghmc drhmc ref	drghmc drhmc ghmc hmc ref	0.000 drghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc	0.0000 drghmc drhmc ghmc hmc	0.0 • • • drghmc drhmc ghmc hmc	0.00 drghmc drhmc ghmc hmc	drghmc drhmc	0.000 drghmc drhmc
	model_param = 1 variable = mean	model_param = 1 variable = std	model_param = 1 variable = rhat 0.003	model_param = 1 variable = ess/grad_eval	model_param = 1 variable = ess^2/grad_eval		model_param = 1 variable = accept_0 1.0	model_param = 1 variable = accept_1	model_param = 1 variable = accept_2
3.0	3.5	•	6 0.003	.4	0.0016		0.00	5	0.005
2.5	• 3.0		0.003	.2	0.0014	0.8	0.8	4	0.004
2.0	2.5	•	0.003	.0	0.0012	0.6	0.6		0.004
value value	2.0	4	0.000	08	0.0008		0.00	3	0.003
1.0	• 1.5 •	3	0.000	06	0.0006	0.4	0.4	2	0.002
0.5	1.0	2	0.000	04	0.0004	0.2	0.2		0.001
0.0	0.5		0.000	• • • • • • • • • • • • • • • • • • • •	0.0002				0.000
-0.5	rghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc	drghmc drhmc ghmc hmc	drghmc drhmc ghmc hmc	0.00 drghmc drhmc ghmc hmc	drghmc drhmc	drghmc drhmc
0.6	model_param = 2 variable = mean	model_param = 2 variable = std 1.6	6	model_param = 2 variable = ess/grad_eval			model_param = 2 variable = accept_0 1.0		model_param = 2 variable = accept_2 •
0.5	0.30	1.5	.5	0.5	0.05		0.00	5	0.005
0.4	0.25	1.4	0.0	04	0.04	0.8	0.00	4	0.004
41.0.2	•				•	0.6	0.6		0.002
o.3	0.20	1.3	.3	03	0.03	0.4	0.00		0.003
0.2	0.15	1.2	.2	02	0.02	0.4	0.00	2	0.002
0.1	0.10	1.1	.1	01	0.01	0.2	0.2	1	0.001
0.0	•	1.0	.0		0.00	0.0	0.00		0.000
d	rghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc ref	drghmc drhmc ghmc hmc	drghmc drhmc ghmc hmc	drghmc drhmc ghmc hmc	drghmc drhmc ghmc hmc	drghmc drhmc	drghmc drhmc
-0.50	1.4	. • • • • • • • • • • • • • • • • • • •	•• On Or	• variable – ess/grau_evar	•	1.0 • • • • • • • • • • • • • • • • • • •	model_param = 3 variable = accept_0 1.0 • • •	• •	• •
-0.75	1.2				0.0012	0.8	0.00	5	0.005
-1.00	1.0	5	5		0.0010		0.00	4	0.004
-1.25	0.8	4	4	04	0.0008	0.6	0.6	3	0.003
-1.75	0.6		0.00	03	0.0006	0.4	0.4		0.002
-2.00	0.4		0.00	•	0.0004		0.00		0.002
-2.25		2	0.00		0.0002	0.2	0.2		0.001
-2.50	•		1 • • • • 0.00	• •	0.0000	0.0	0.00	• •	0.000
d	rghmc drhmc ghmc hmc ref model_param = 4 variable = mean	drghmc drhmc ghmc hmc ref model_param = 4 variable = std	drghmc drhmc ghmc hmc ref model_param = 4 variable = rhat 0.0020	drghmc drhmc ghmc hmc model_param = 4 variable = ess/grad_eval	drghmc drhmc ghmc hmc model_param = 4 variable = ess^2/grad_eval	drghmc drhmc ghmc hmc model_param = 4 variable = accept_total	drghmc drhmc ghmc hmc model_param = 4 variable = accept_0	drghmc drhmc model_param = 4 variable = accept_1	drghmc drhmc model_param = 4 variable = accept_2
4.4	•	1.5	.5	· '5		1.0	1.0		0.005
4.2	• 0.30	•	.4		0.00150	0.8	0.80		0.003
4.0	0.25		0.0012	25	0.00125		0.00	4	0.004
alue a.c	0.20	1.3	0.0010	•	0.00100	0.6	0.60	3	0.003
3.4	0.15	1.2	.2	75	0.00075	0.4	0.4	2	0.002
3.2	0.10		0.0005	•	0.00050	0.2	0.2		
3.0		•	0.0002	25	0.00025	V.E	0.00		0.001
	rahma drhma ahma hma ref	drahme above hose as	.0 on drahms ahms hms ref	drahme drhme above	0.00000 drahme drhme above the	drahme drhme above to the state of the state	0.00 drahme drhme shows the same to the same shows	drahme	0.000 drahms
di	sampler	arginne arinne grime nme ref sampler	argnine arnine griffe nmc ref sampler	argriffic arriffic gnmc hmc sampler	argnine amine gnme hme sampler	argillic arillic gnmc hmc sampler	drghmc drhmc ghmc hmc sampler	arnmc sampler	drghmc drhmc sampler