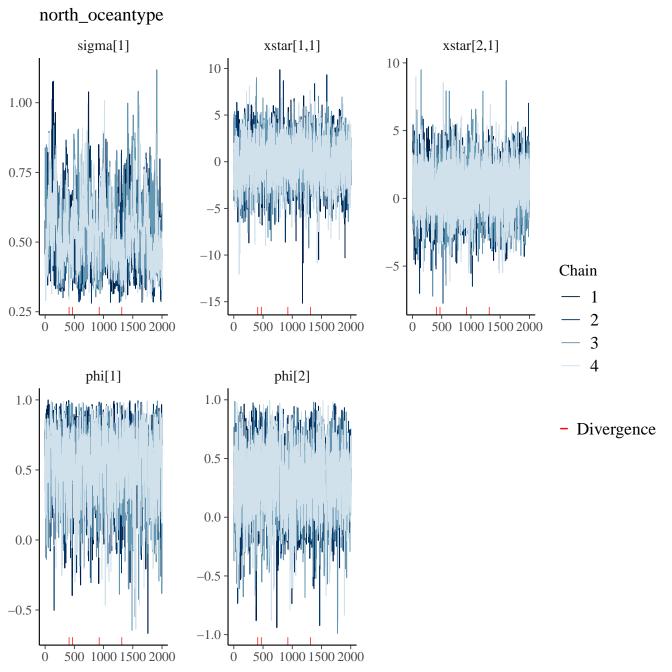
north\_streamtype sigma[1] xstar[1,1]xstar[2,1]5 0.80 0 **−**5 0.75 -100.70 -10 Chain -151000 1500 2000 Ó 500 Ó 500 1000 1500 2000 500 1000 1500 2000 0 phi[1] phi[2] 4 1.0 1.00 0.8 0.75 0.6 0.50 0.4 0.25 500 1000 1500 2000 500 1000 1500 2000

south\_oceantype sigma[1] xstar[1,1]xstar[2,1]0.85 5 0.80 0 0.75 0 Chain 0.70 500 1000 1500 2000 500 1000 1500 2000 500 1000 1500 2000 0 0 phi[1] phi[2] 4 1.00 0.75 0.75 0.50 0.50 0.25 0.25 0.00 500 1000 1500 2000 500 1000 1500 2000



## sog\_oceantype sigma[1] xstar[1,1]xstar[2,1]0.85 10 0.80 0.75 0 0.70 0 0.65 Chain 0.60 -6 500 1000 1500 2000 500 1000 1500 2000 500 1000 1500 2000 0 0 0 phi[1] phi[2] 4 1.0 0.75 0.8 0.6 0.50 0.4 0.25 0.2 0.00 500 1000 1500 2000 500 1000 1500 2000

sog\_streamtype sigma[1] xstar[1,1]xstar[2,1]0.7 0.6 -5 0.5 -100.4 Chain -15500 1000 1500 2000 500 1000 1500 2000 500 1000 1500 2000 0 0 0 phi[1] phi[2] 4 1.00 1.0 0.75 0.5 0.50 0.0 0.25 -0.5500 1000 1500 2000 500 1000 1500 2000

puget\_oceantype sigma[1] xstar[1,1]xstar[2,1]10 1.0 5 0.9 0.8 0 0 0.7 -5 0.6 Chain 500 1000 1500 2000 500 1000 1500 2000 Ó 500 1000 1500 2000 0 0 phi[1] phi[2] 4 1.0 0.5 0.5 0.0 0.0 -0.5-0.5-1.01000 1500 2000 500 1000 1500 2000 500

 $puget\_streamtype$ sigma[1] xstar[1,1] xstar[2,1]1.0 20 10 5 10 0 0 -0.6 -5Chain -10-100.4 500 1000 1500 2000 500 1000 1500 2000 500 1000 1500 2000 0 0 phi[1] phi[2] 4 1.0 -1.00 0.5 0.75 0.0 0.50 -0.50.25 -1.01000 1500 2000 500 1000 1500 2000 500