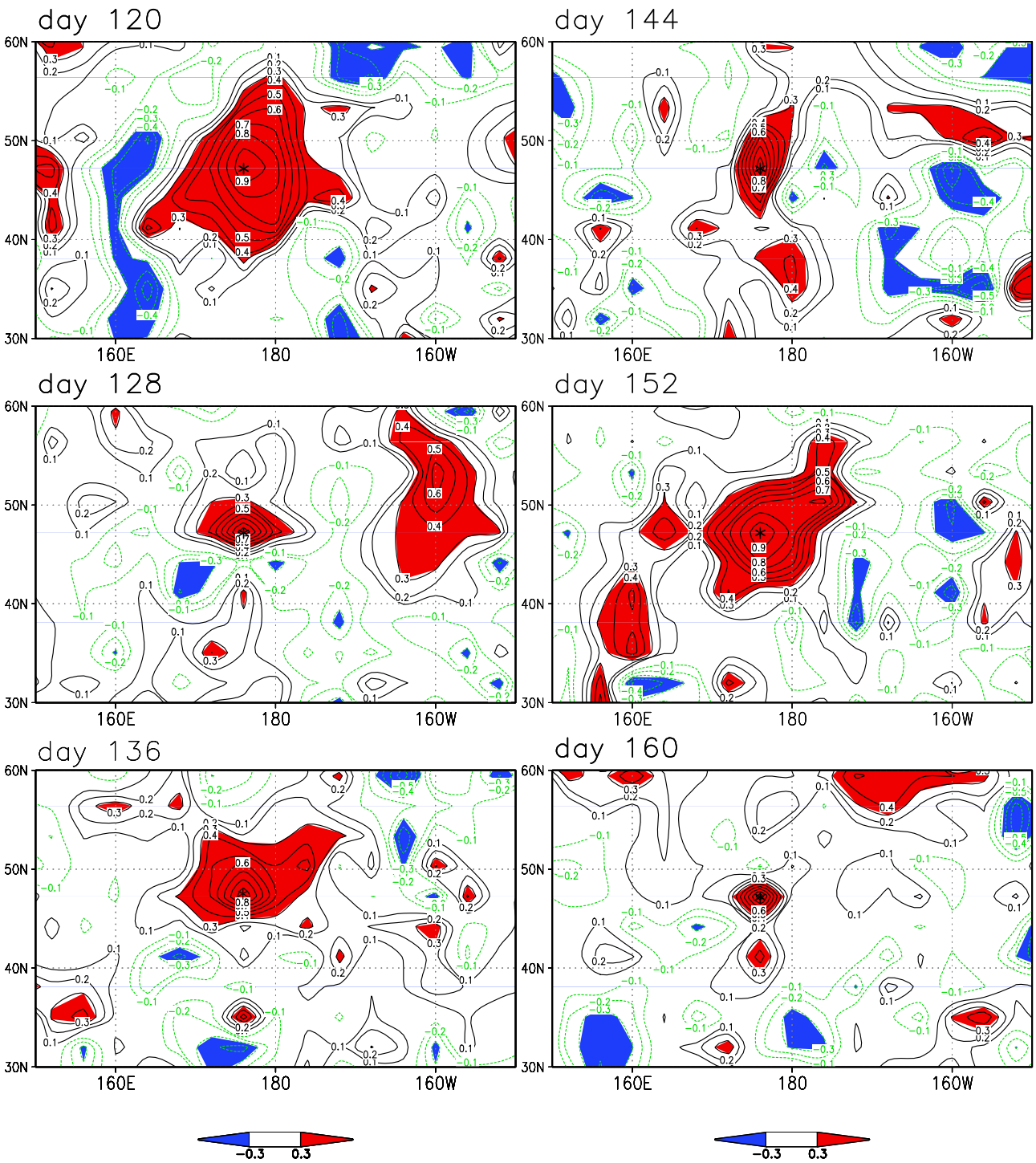
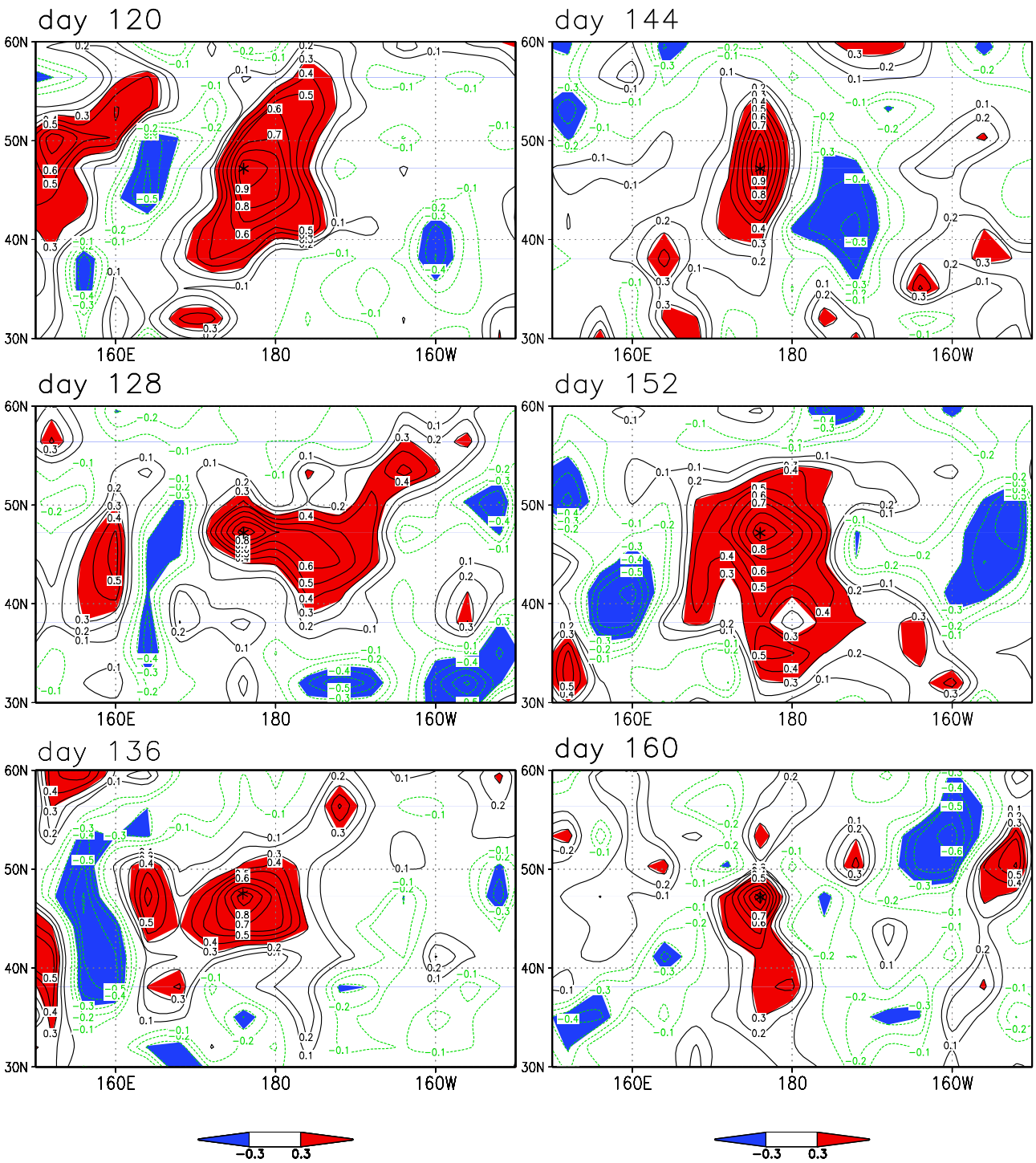
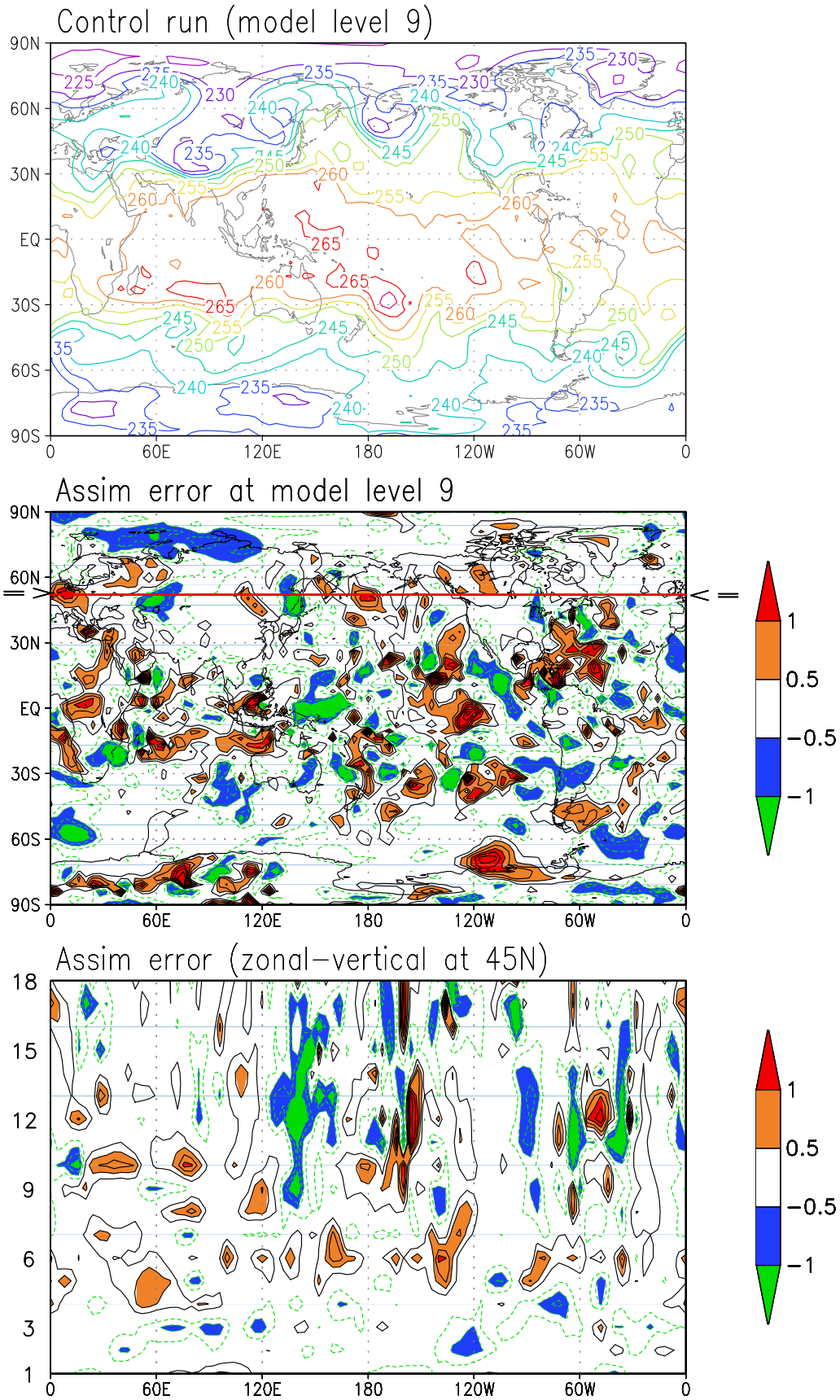
Flow-dependent cov matrix
T3(176E, 48N) and T3 (sigma=0.946)



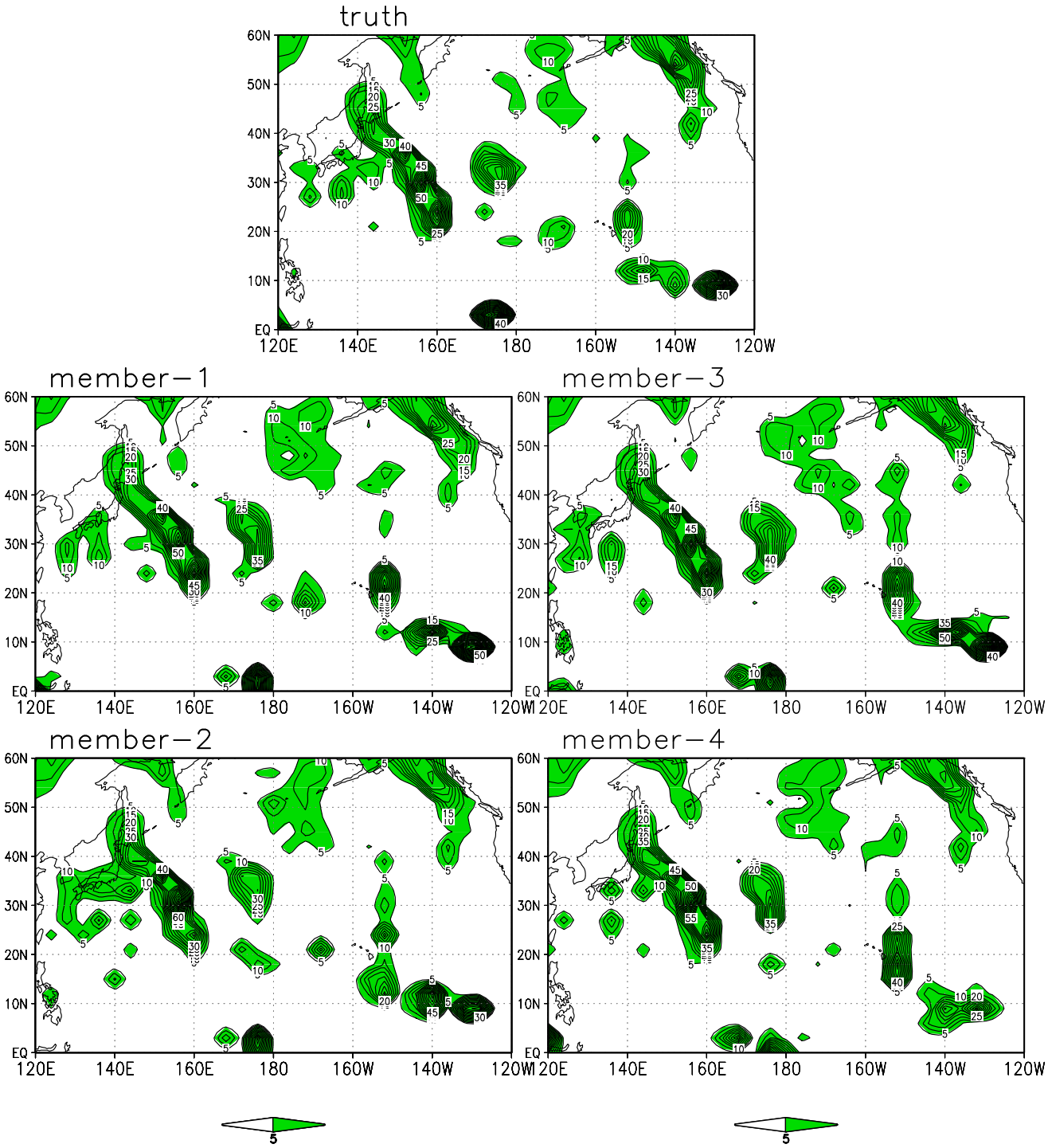
Flow-dependent cov matrix
v3(176E, 48N) and v3 (sigma=0.946)

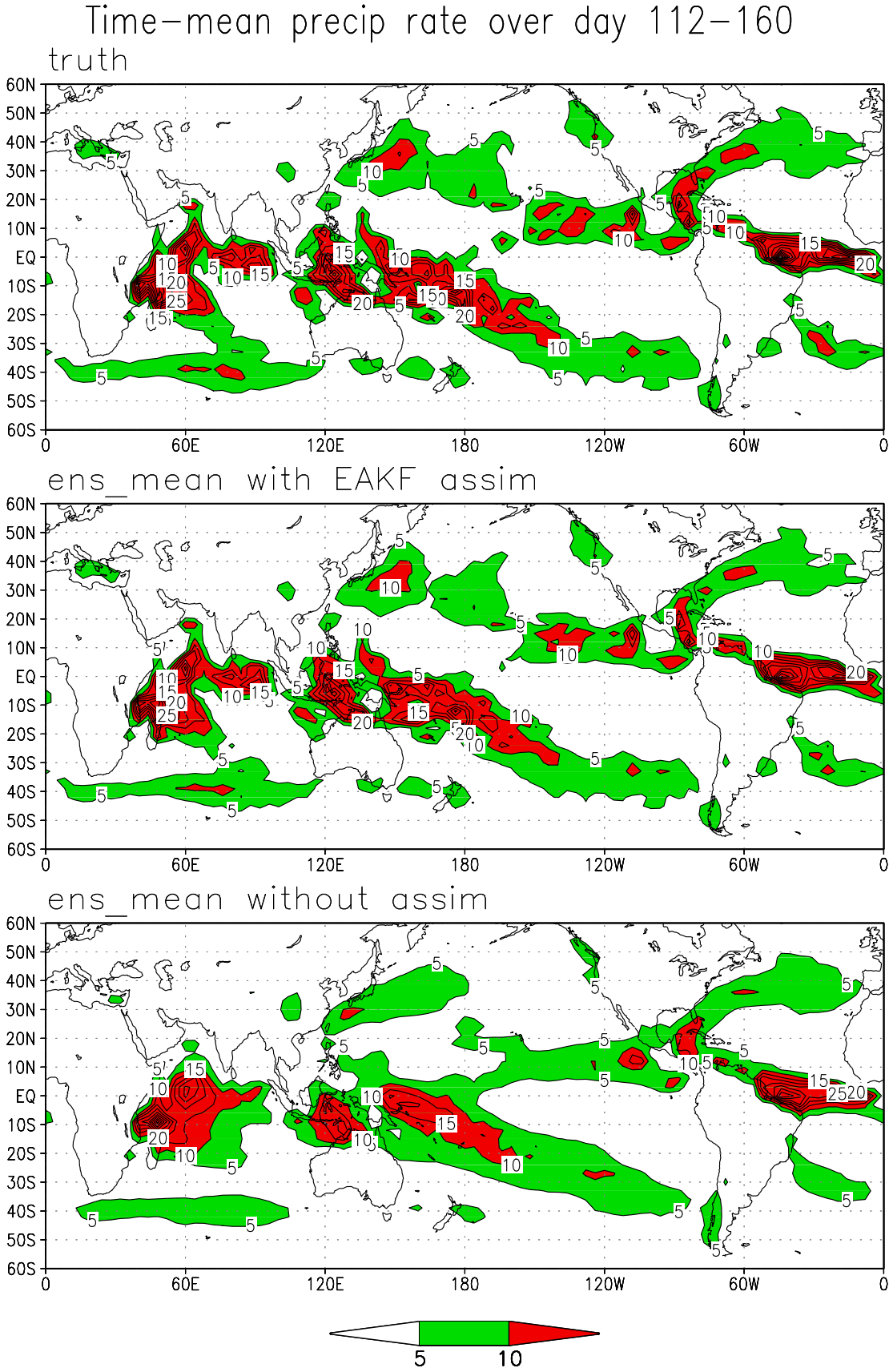


Temperature and assim error at day 160

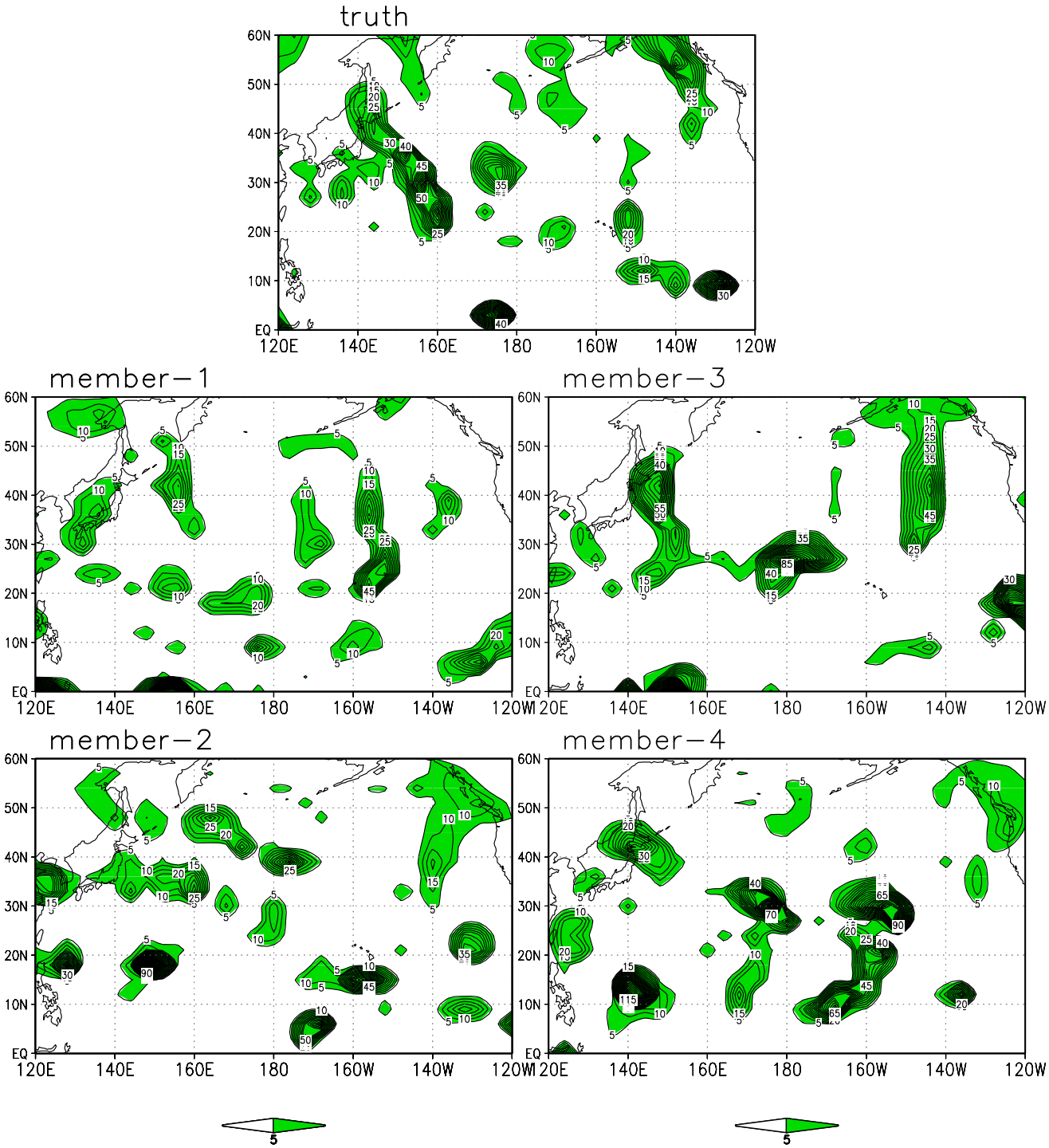


EAKF assimilated precip rate at day 160 (10**(-5))

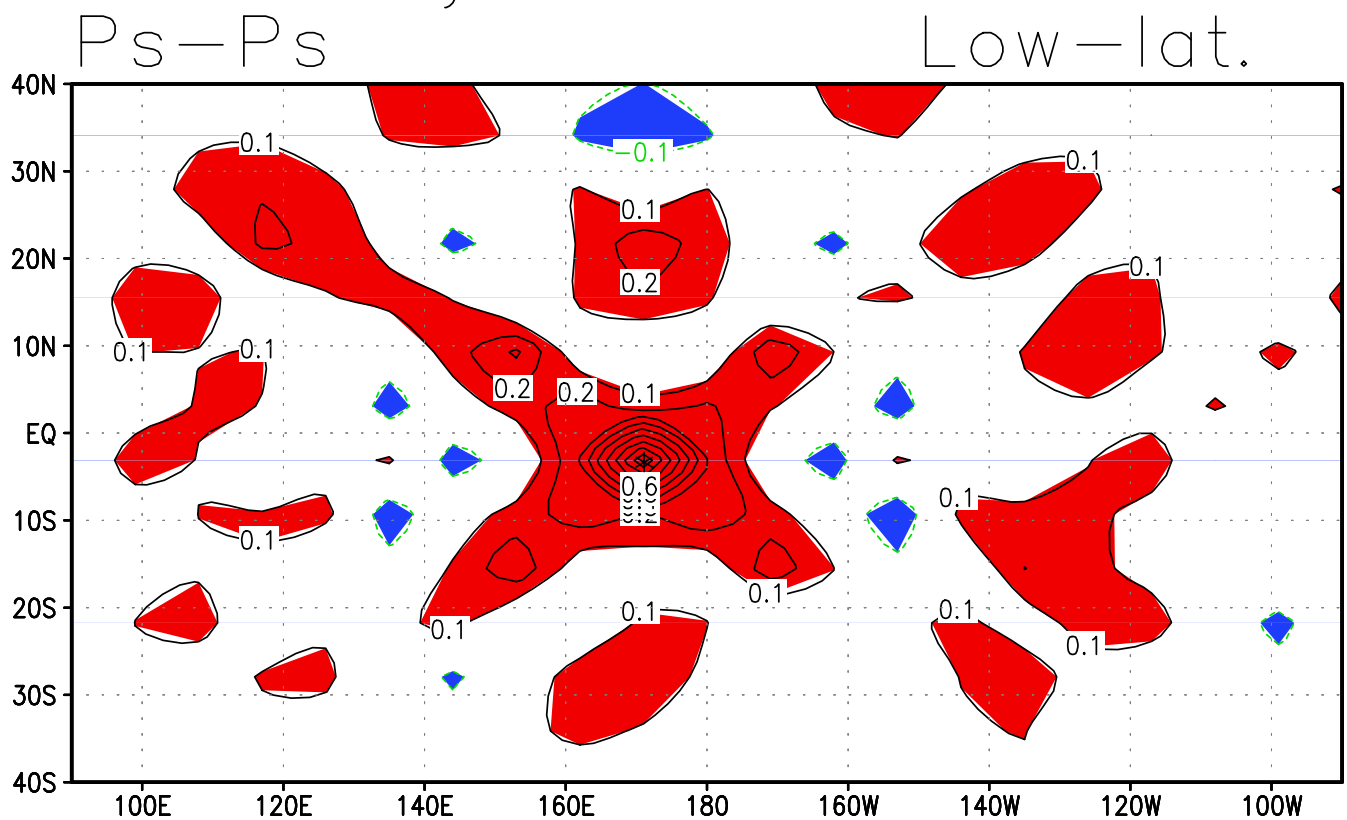



Time-mean precip rate over day 112-160
truth
ens_mean with EAKF assim
ens_mean without assim
60N
50N
40N
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
0
60E
120E
180
120W
60W
0
5
10

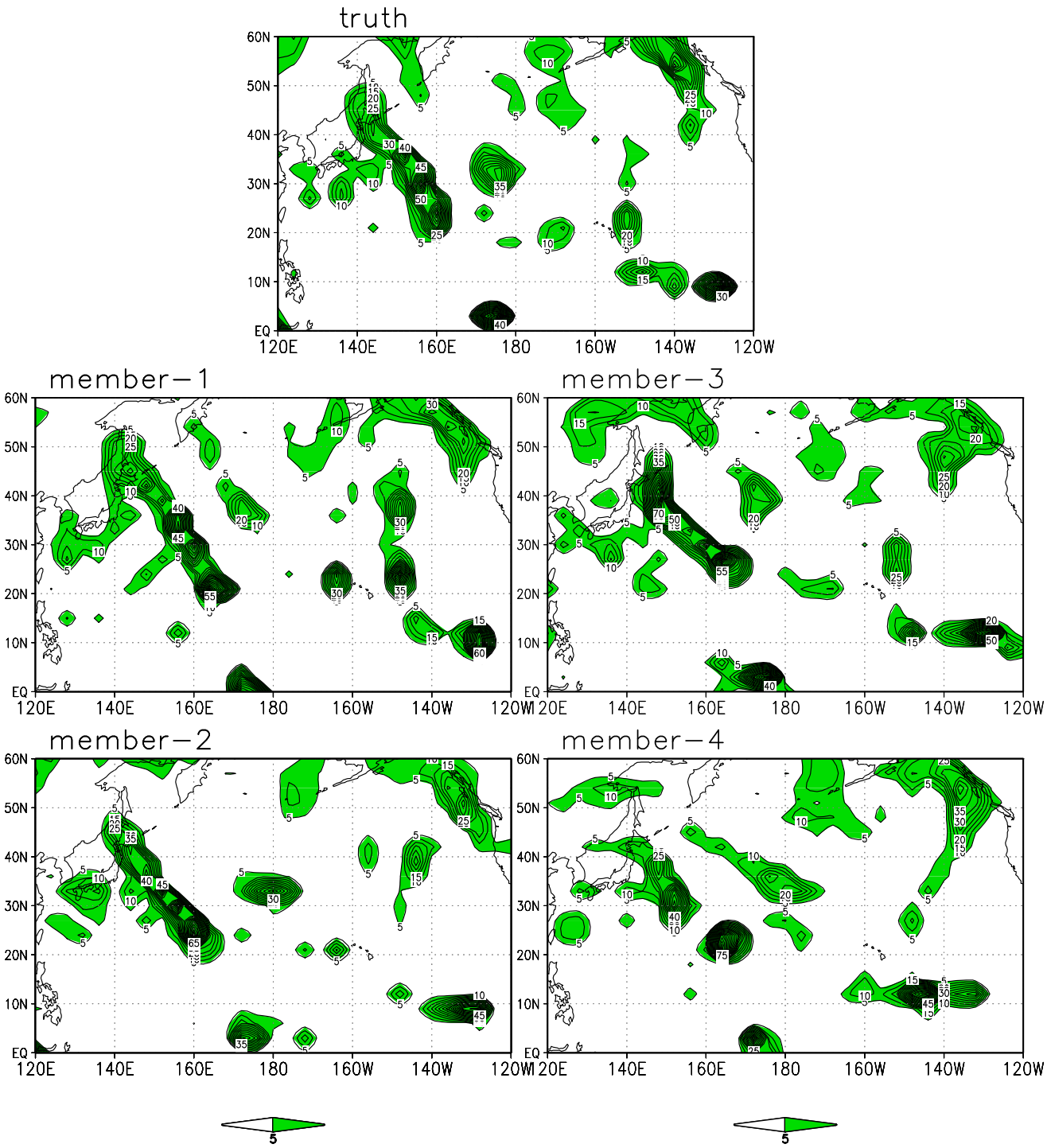
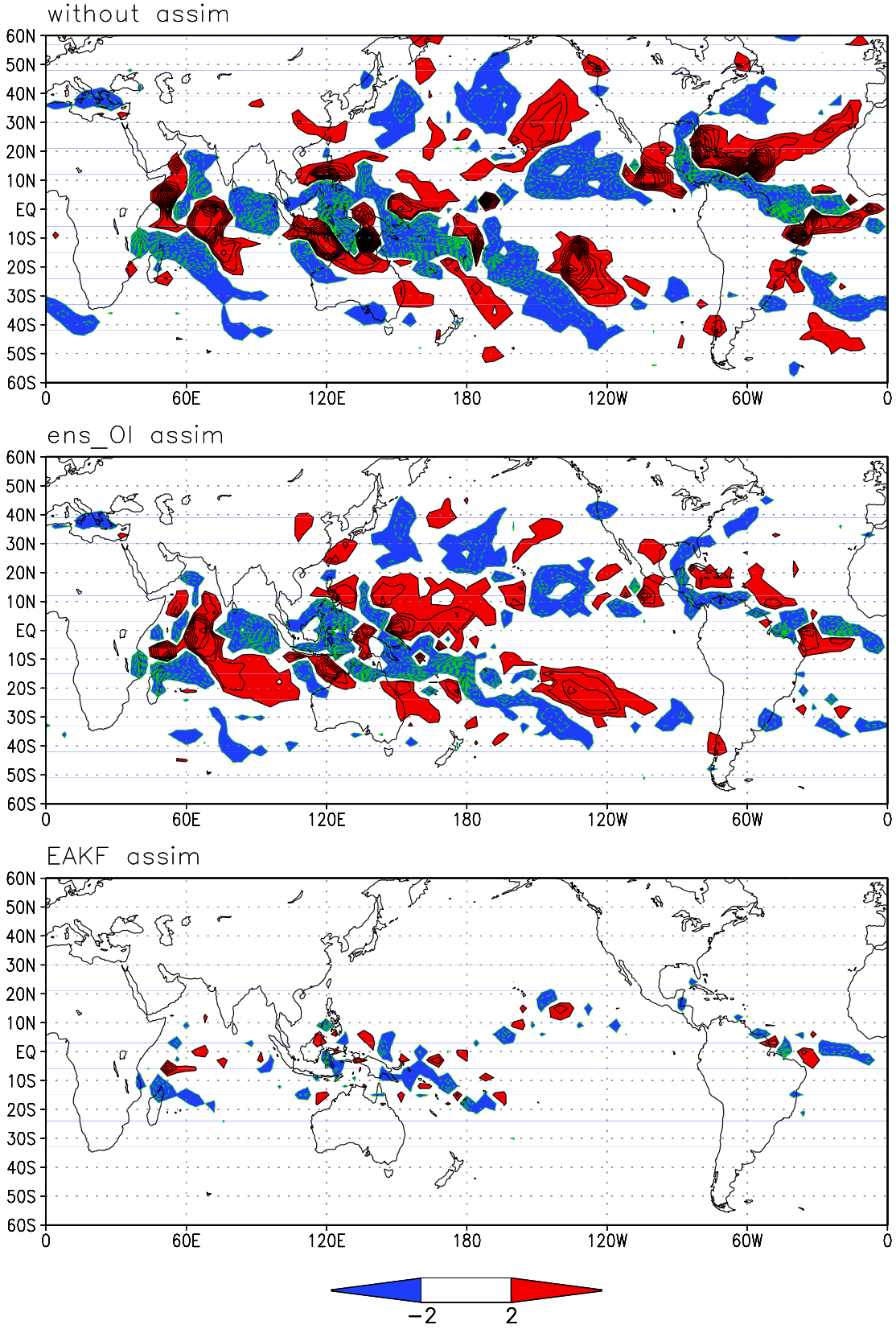
ens forecasting precip rate at day 160 (10**(-5))



Ps auto-covariance at low latitude
(time- and longitudinally-averaged)
using N15L5 [9(deg)x6(deg)x5]
dynamical core



ens_OI assimilated precip rate at day 160 (10**(-5))



Time-mean precip rate error over day 112-160