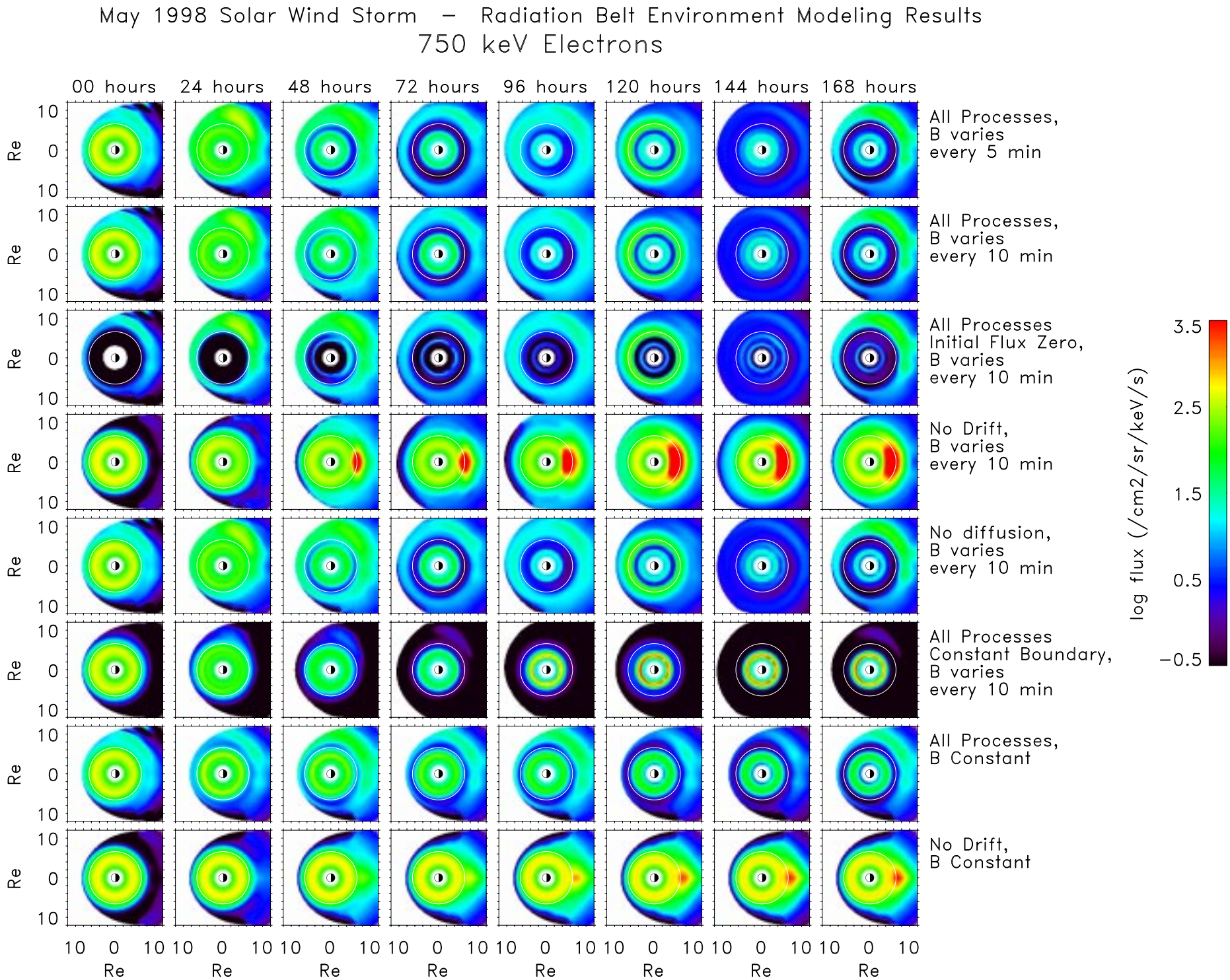
May 1998 Solar Wind Storm – Radiation Belt Environment Modeling Results
750 keV Electrons
00 hours
24 hours
48 hours
72 hours
96 hours
120 hours
144 hours
168 hours
All Processes, B varies every 5 min
All Processes, B varies every 10 min
All Processes Initial Flux Zero, B varies every 10 min
No Drift, B varies every 10 min
No diffusion, B varies every 10 min
All Processes Constant Boundary, B varies every 10 min
All Processes, B Constant
No Drift, B Constant
Re
10
0
10
log flux (/cm2/sr/keV/s)
3.5
2.5
1.5
0.5
−0.5