

LFM-MIX

LFM-MIX-RCM

RCM

Inner Magnetosphere

$$\Delta t_{RCM} = O(10^0) s$$

$$\Delta t_{LFM-RCM-MIX} = O(10^2) s$$

LFM

Magnetohydrodynamics

$$\Delta t_{LFM} = O(10^{-1}) s$$

MIX

Magnetosphere-Ionosphere
Coupler/Solver

$$\Delta t_{LFM-MIX} = O(10^0) s$$

