Dynamical core Axial Angular Momentum (AAM) diagnostics for CAM-SE Wind AAM dynamics **Total AAM** Mass AAM dynamics 1047.0 1069.0 24.0 1046.0 1068.0 23.0 1045.0  $(M_{\Omega})$  [10<sup>25</sup> kg ( $M_{\Omega}$ ) [1 $\emptyset$ <sup>25</sup> kg 1067.0 1066.0 1043.0 20.0 1065.0 100 200 300 100 200 300 100 200 300 Total torque dynamics Wind torque dynamics Mass torque dynamics s<sup>-2</sup>1 s<sup>-2</sup>1 6.0 6.0 6.0 a 3.0 3.0 ₹ g [10<sup>19</sup> kg 0.0 0.0 3.0 -3.0

