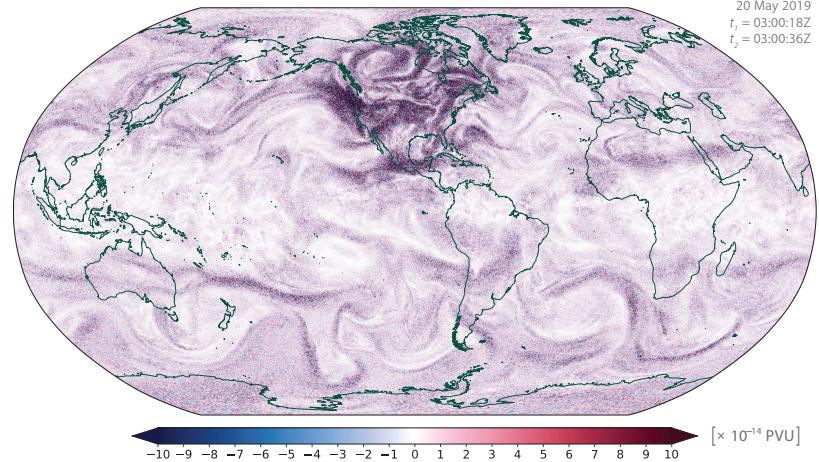


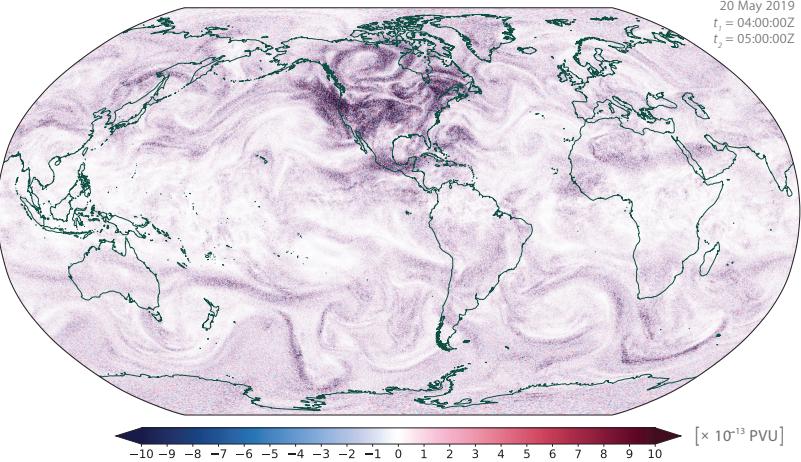
a) Instantaneous PV Budget Residual – *PV Tendency Method*

Model Level 32
20 May 2019
 $t_1 = 03:00:18Z$
 $t_2 = 03:00:36Z$

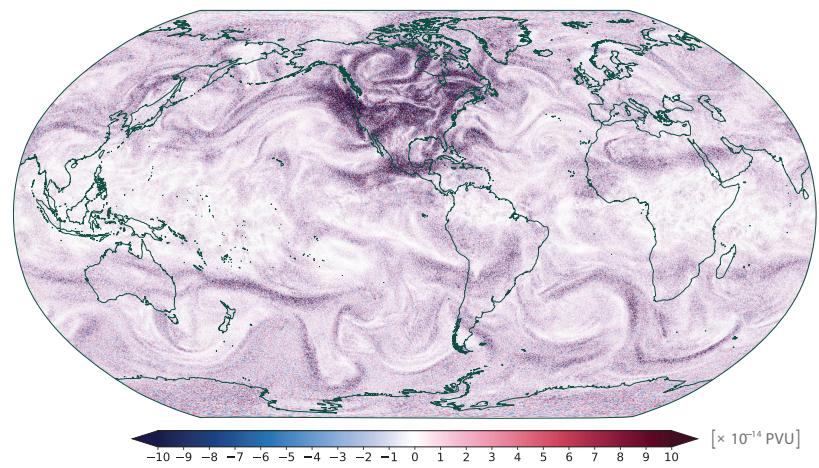


b) Accumulated PV Budget Residual – *PV Tendency Method*

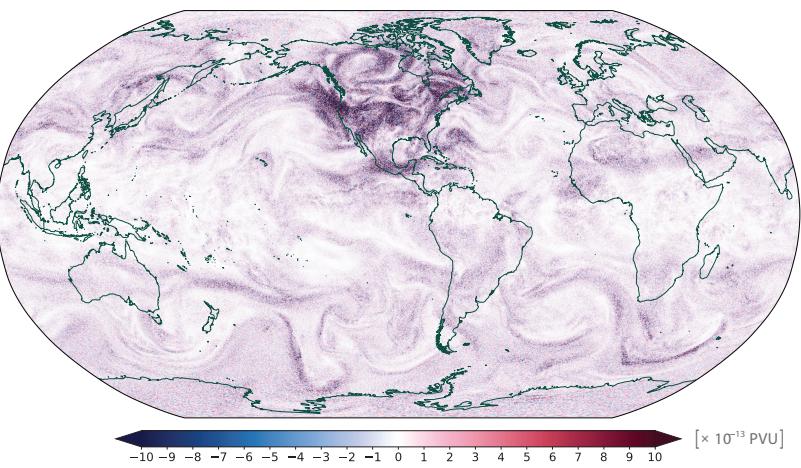
Model Level 32
20 May 2019
 $t_1 = 04:00:00Z$
 $t_2 = 05:00:00Z$



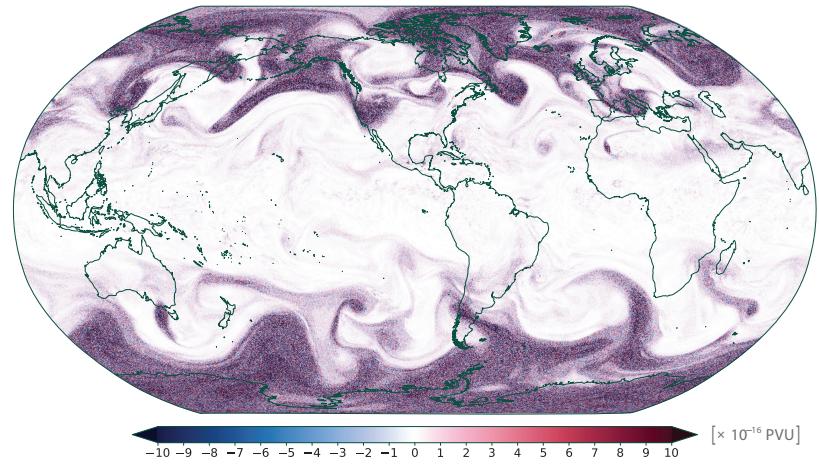
c) Instantaneous PV Budget Residual – *Parent Tendency Method*



d) Accumulated PV Budget Residual – *Parent Tendency Method*



e) Instantaneous PV Budget Residual – *Exact Method*



f) Accumulated PV Budget Residual – *Exact Method*

