Change in radiative forcing $\Delta F$

Physical reference system

$\Delta T^0_s$
$\Delta T_s$

Ocean mixed-layer & thermocline feedbacks

Feedback

Heat uptake by surface ocean cools atmosphere and land

Temp$_{seawater}$

Tropical circulation response OPTION A

Feedback

Cooling due to more La Niña-type state

Walker circulation intensifies
EqPac zonal T-gradient steepens

Tropical circulation response OPTION B

Feedback

Warming due to more El Niño-type state

Walker circulation weakens
Global increase in precipitation contrast