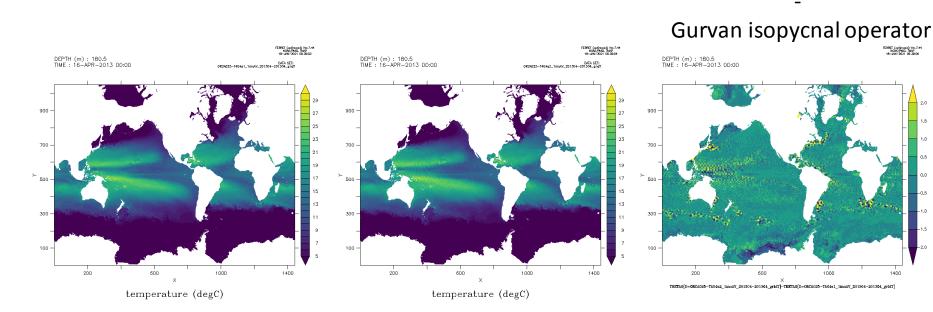
ORCA025, 180m temperature monthly mean, after 7 months

Triad isopycnal operator

Gurvan isopycnal operator

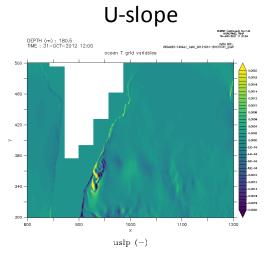
Triad isopycnal operator



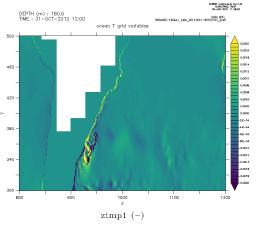
Run with triads crashes the month after...

ORCA025, instantaneous slopes after 1 month

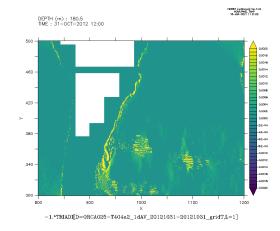
Gurvan isopycnal operator



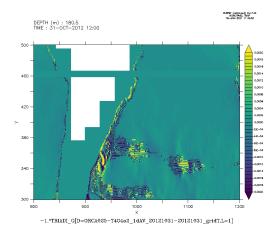
U-slope before shapiro



slopes relative to geopotentials from one triad for I-direction



slopes relative to model-coordinate from one triad for I-direction



Triads slopes are noisy, compare to classical operator (rn_Ud = 0.018).

With 4 times more diffusion (rn_Ud = 0.072), its is worth (not shown)

Triad isopycnal operator

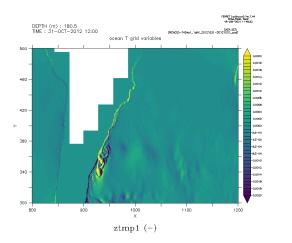
ORCA025, instantaneous slopes after 1 month

F

add shapiro smoothing for triads slopes

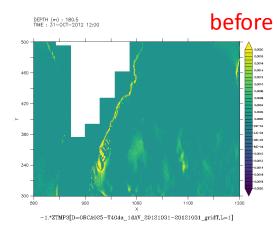
Gurvan isopycnal operator

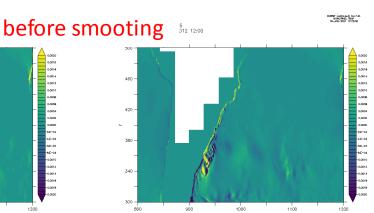
U-slope before smooting



slopes relative to geopotentials from one triad for I-direction

Triad isopycnal operator



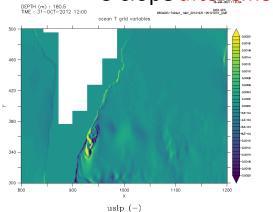


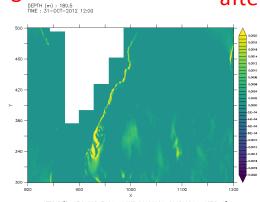
-1.*ZTMP1[D=0RCA025-T404a_1dAV_20121031-20121031_gridT,L=1]

slopes relative to model-coordinate

from one triad for I-direction

U-slope after smooting

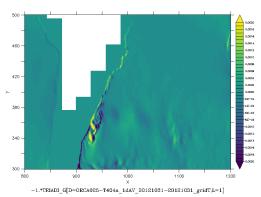






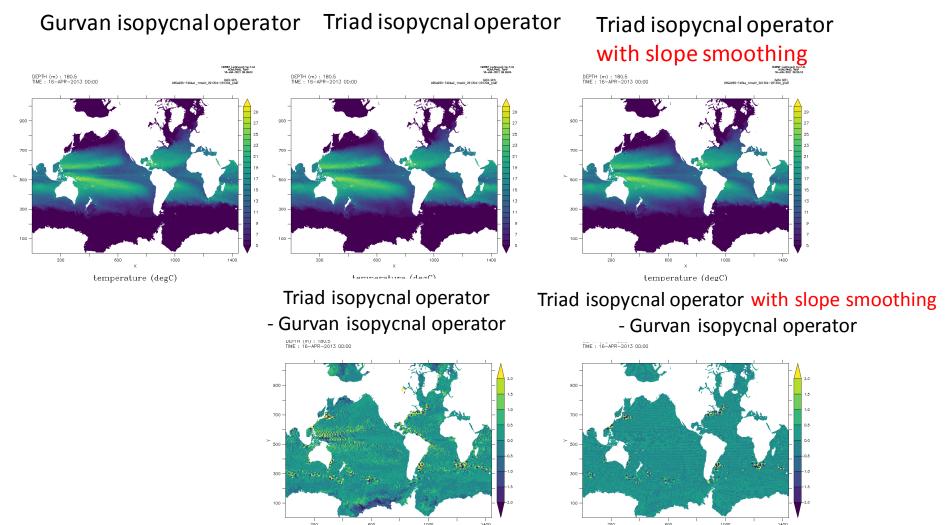
after smooting

FERST (optimized) Nov.7.44 HOAA/Pada, Tako 18-444-2021 12 23:00



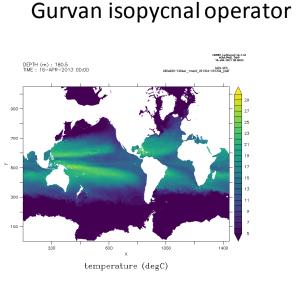
ORCA025, monthly mean, after 7 months

DA gridT]-TRETAD



X THETAO[D=0BCA025=T404e2_1moAV_201904=201904_grbdT]=THETAO[D=0BCA025=T404e1_1moAV_201904=201904_grbdT]

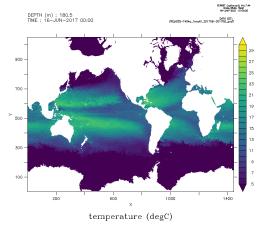
ORCA025, monthly mean, after 5years



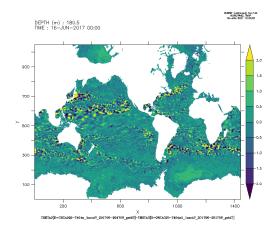
Triad isopycnal operator

Crashed before

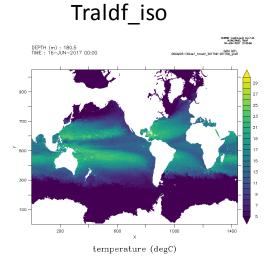
Triad isopycnal operator with slope smoothing



Triad isopycnal operator with slope smoothing - Gurvan isopycnal operator



ORCA025, monthly mean, after 5 years



Traldf_triad

Crashed before

Traldf_triad with slope smooting

