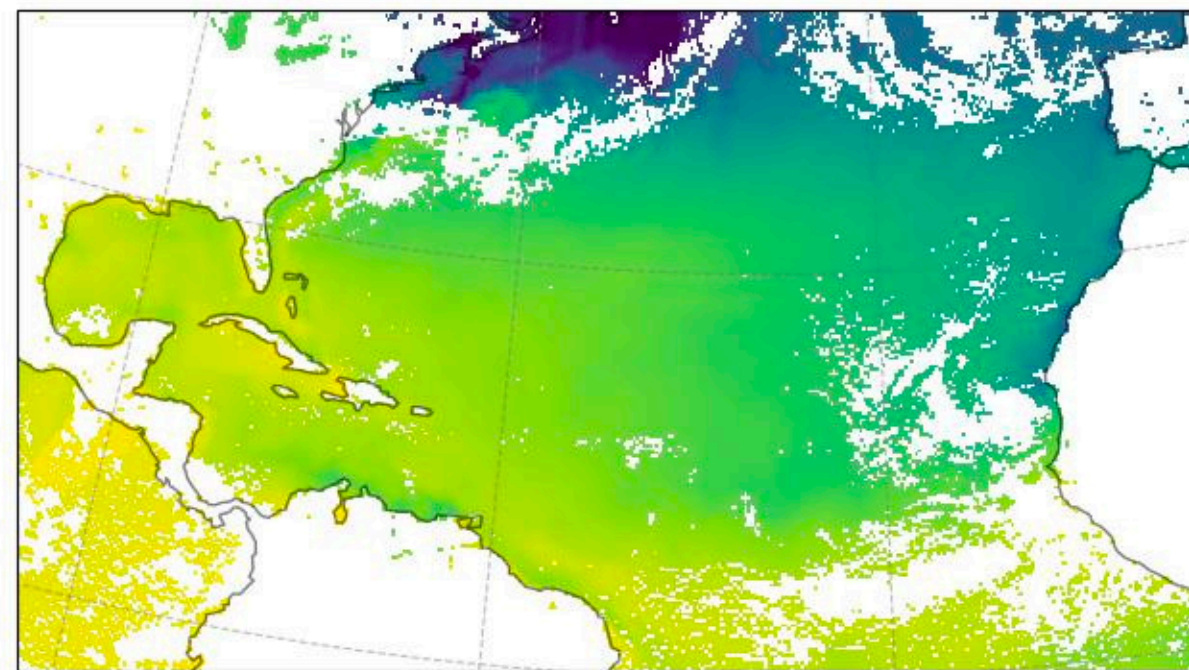


Generic Interpolation update

[merged] Masked interpolation

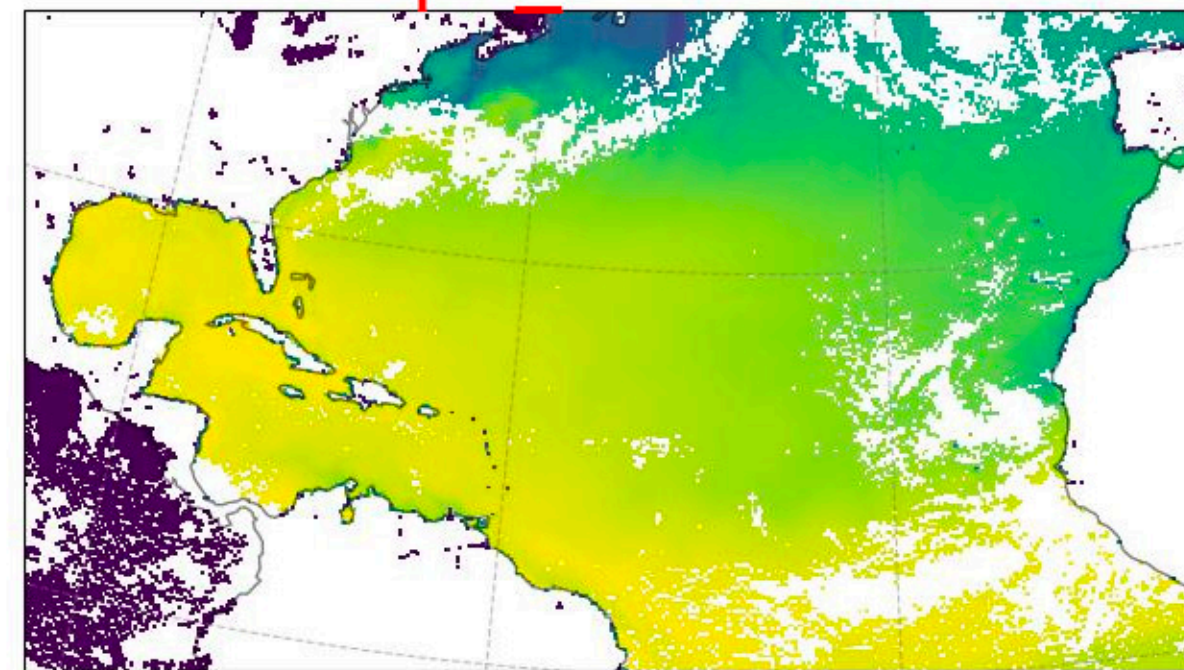
- each model field may request mask for interpolations
- interp masks are constant fields stored in Geometry

soca



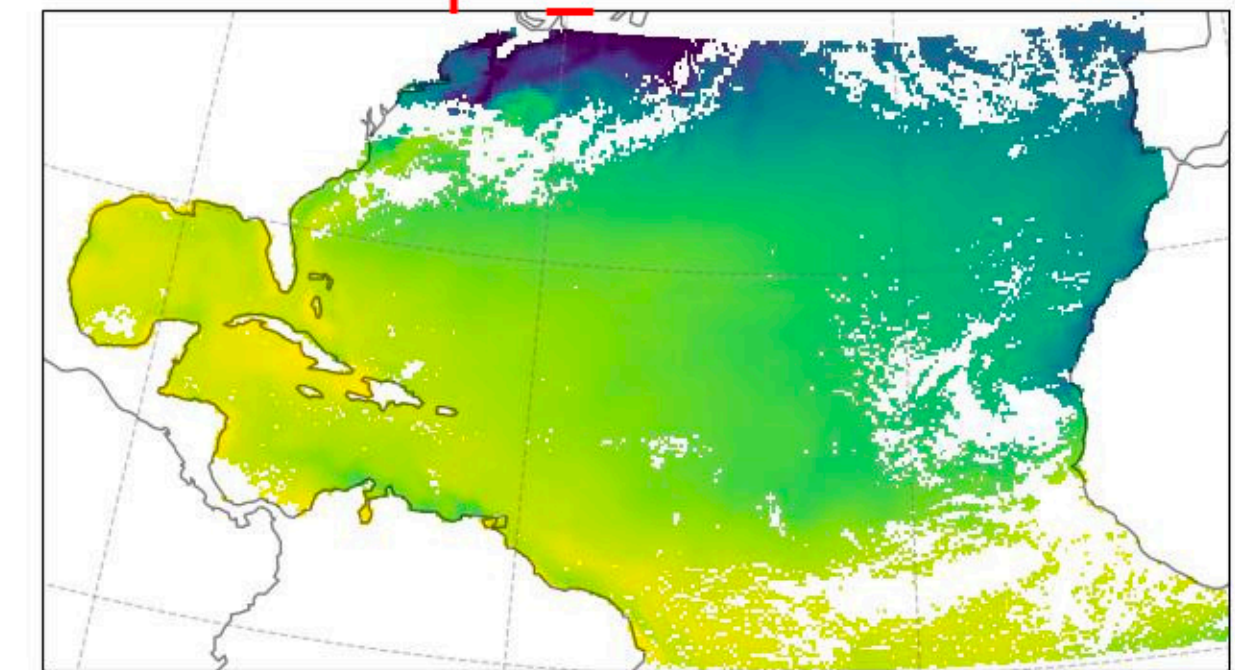
datetime: 2021-08-01T00:00:02 to 2021-08-01T23:59:59
min: 6.2784576416015625 mean: 26.42434047148619 max: 31.51520538330078

oops_nomask



datetime: 2021-08-01T00:00:02 to 2021-08-01T23:59:59
min: 0.0 mean: 15.639949446013397 max: 31.38652801513672

oops_masked



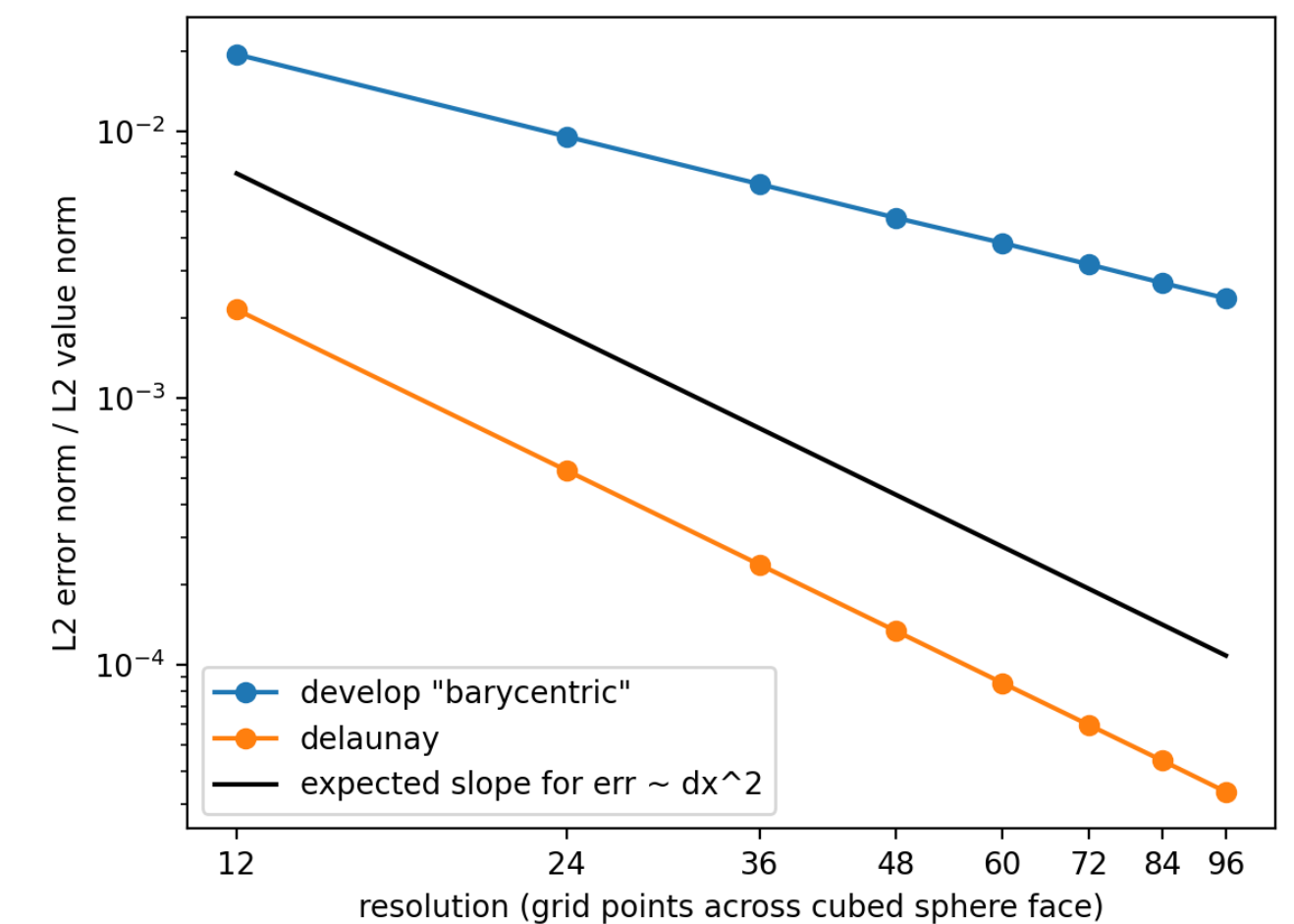
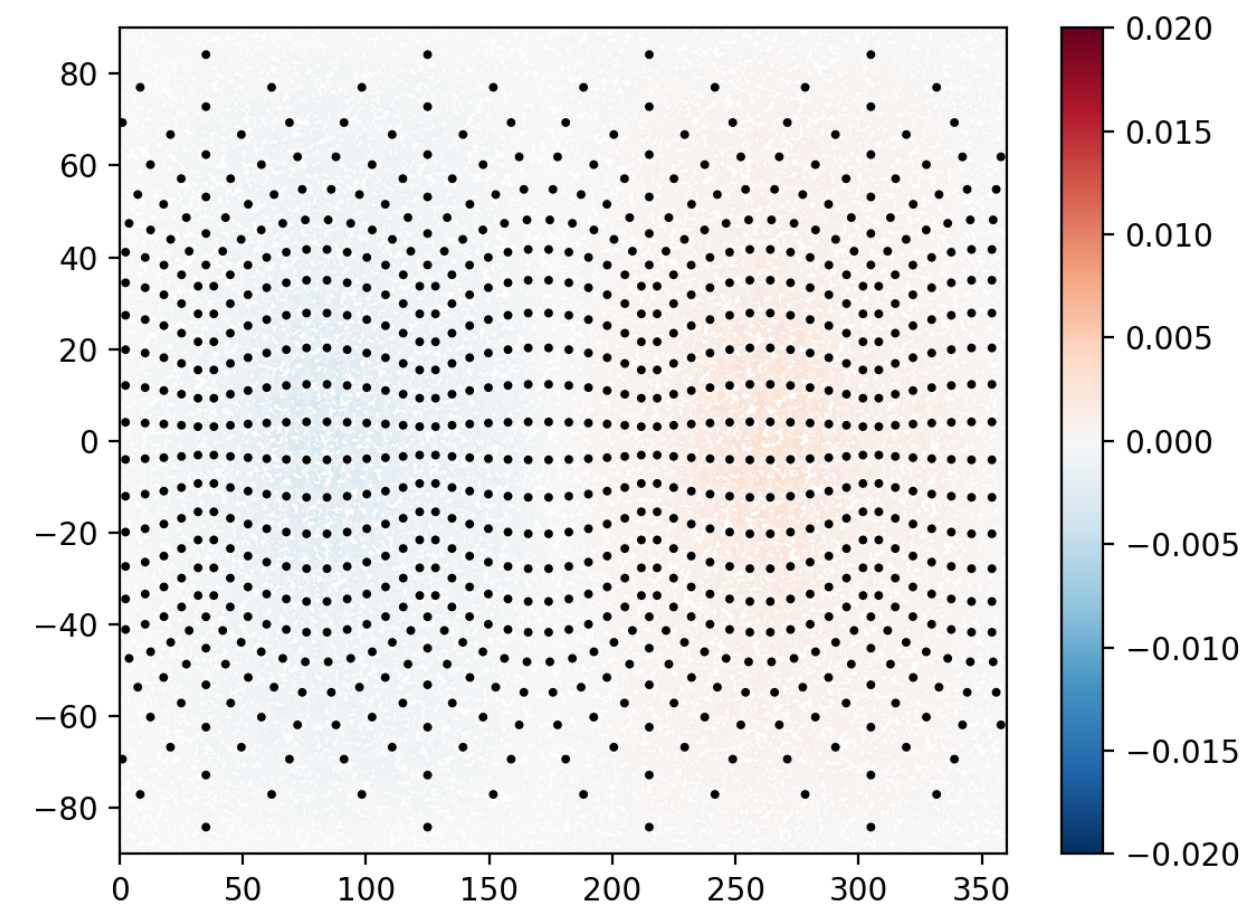
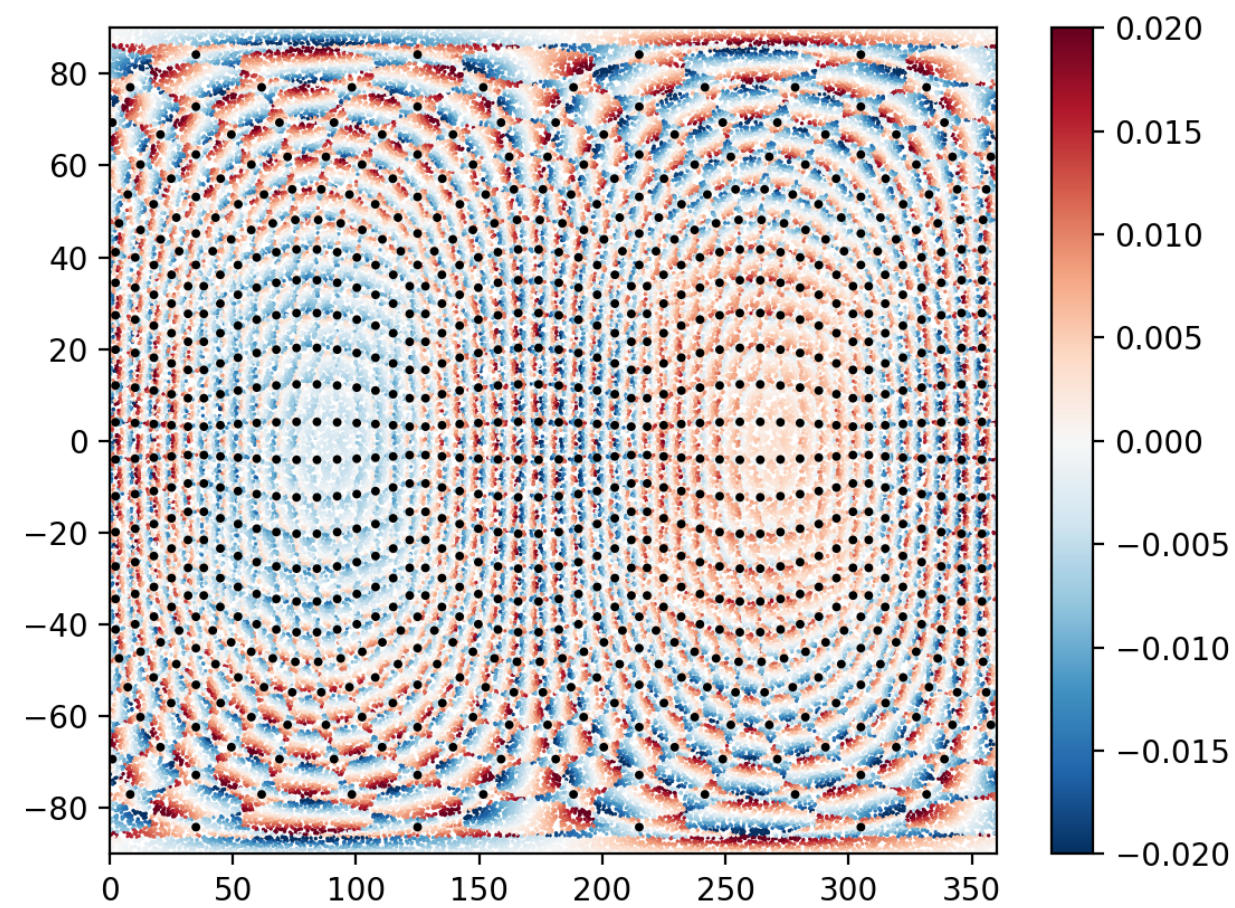
datetime: 2021-08-01T00:00:02 to 2021-08-01T23:59:59
min: 6.164992809295654 mean: 25.316451813594053 max: 31.54450225830078

Generic Interpolation update

[merged] Masked interpolation

[in draft PR] interpolation accuracy fix

- fix algorithm used to compute stencil and weights
- 10x or more reduced error
- *will change many reference files in model repos*



Generic Interpolation update

[merged] Masked interpolation

[in draft PR] interpolation accuracy fix

[in progress] Generic interpolator interface for SABER, for change_resol