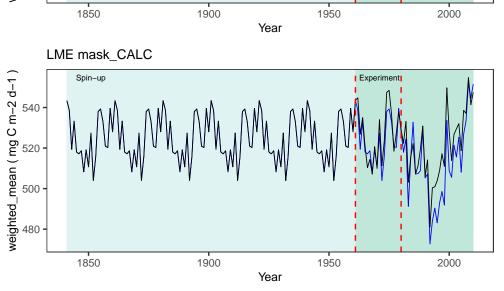
page 1 of 22 LME mask_EBS Spin-up weighted_mean (mg C m-2 d-1 460 440 Type ctrlclim obsclim 420 400 1950 1850 1900 2000 Year LME mask_GOA weighted_mean (mg C m-2 d-1) Experiment Spin-up 440 Туре 430 ctrlclim obsclim 420 1850 1900 1950 2000 Year LME mask_CALC Spin-up Type



ctrlclim obsclim

page 2 of 22 LME mask_GOC weighted_mean (mg C m-2 d-1) 720 Spin-up 680 Type ctrlclim obsclim 640 600 1900 2000 1850 1950 Year LME mask_GOM weighted_mean (mg C m-2 d-1) Spin-up Experiment 550 Type ctrlclim obsclim 500 2000 1850 1900 1950 Year LME mask_SEUSCS weighted_mean (mg C m-2 d-1) Spin-up | Experiment 560 Type 520 ctrlclim obsclim 480

1850

1900

1950

Year

page 3 of 22 LME mask NEUSCS weighted_mean (mg C m-2 d-1) 000 009 009 Spin-up Experiment Type ctrlclim obsclim 2000 1850 1900 1950 Year LME mask_SCOT 460 weighted_mean (mg C m-2 d-1) Spin-up Experiment 440 Type ctrlclim obsclim 420 400 1900 1850 1950 2000 Year LME mask_LAB weighted_mean (mg C m-2 d-1) Spin-up | Experiment 400

Type ctrlclim obsclim

2000

390

380

370

360

350

1850

1900

1950

Year

page 4 of 22 LME mask_IPH Spin-up

1950

1950

1850

680

640

LME mask_PCAC

Spin-up

1850

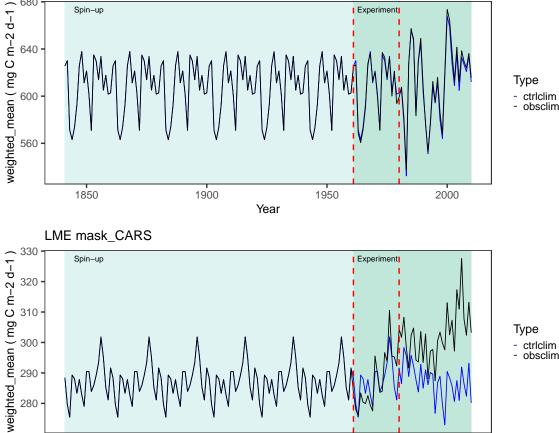


Type

2000

2000





Year

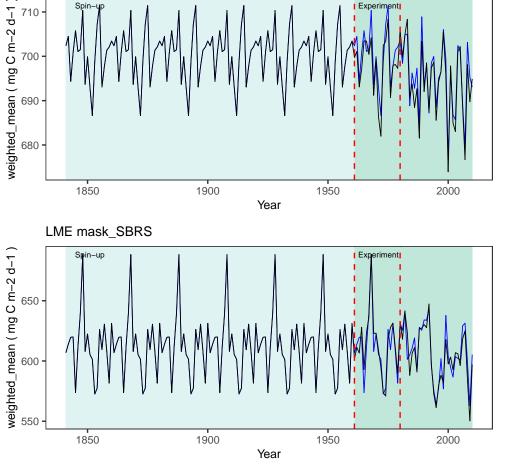
1900

Year

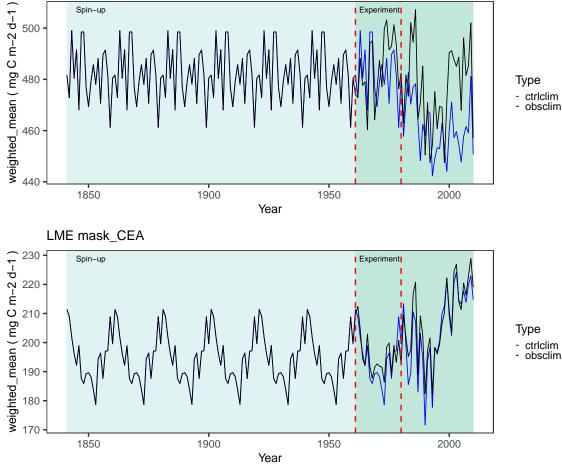
page 5 of 22 LME mask_HUMC Spin-up Experiment weighted_mean (mg C m-2 d-1 750 725 Type ctrlclim obsclim 700 675 1850 1900 2000 1950 Year LME mask_PATC 710 700 Type

ctrlclim obsclim

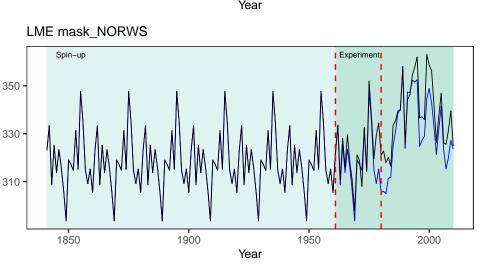
Type
- ctrlclim
- obsclim



page 6 of 22 LME mask_EBRS weighted_mean (mg C m-2 d-1) 320 300 Type ctrlclim obsclim 280 260 1900 2000 1950 1850 Year LME mask_NBRS Spin-up 500 480 Туре

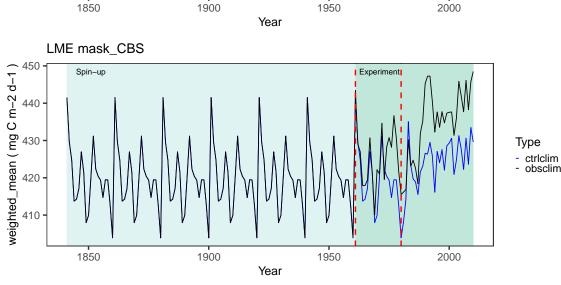


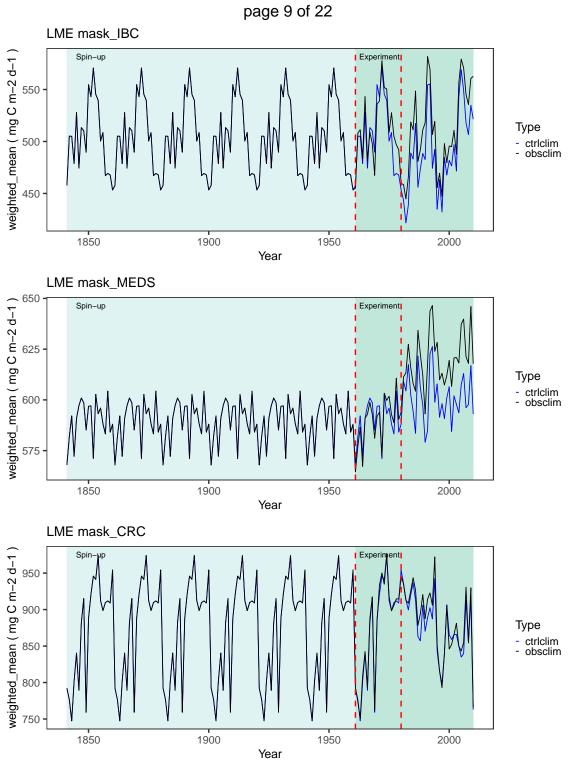
page 7 of 22 LME mask_GRLS 240 weighted_mean (mg C m-2 d-1) Spin-up Experiment 220 Type 200 ctrlclim 180 1900 2000 1850 1950 Year LME mask_BARS weighted_mean (mg C m-2 d-1) Spin-up | Experiment 200 -Type 175 150 1850 1900 2000 1950 Year LME mask_NORWS weighted_mean (mg C m-2 d-1) Spin-up 350 -



Type

page 8 of 22 LME mask NS Spin-up Experiment weighted_mean (mg C m-2 d-1 525 500 Type ctrlclim 475 -450 1950 2000 1850 1900 Year LME mask_BS 425 weighted_mean (mg C m-2 d-1) 3222 - Spin-up Experiment Type obsclim





page 10 of 22 LME mask_GUIC weighted_mean (mg C m-2 d-1) Spin-up 700 Type 650 ctrlclim obsclim 600 550 1850 1900 1950 2000 Year LME mask_BENC weighted_mean (mg C m-2 d-1) Spin-up 900 Туре ctrlclim obsclim 800 1850 1900 2000 1950 Year LME mask_AGC Type ctrlclim obsclim

1900

1950

Year

page 11 of 22 LME mask_SOMCC 550 (550 mean (md C m-7 d-1) (550 mean (md C m-7 Spin-up [Experiment] Type ctrlclim obsclim 1900 2000 1850 1950 Year LME mask_ARABS weighted_mean (mg C m-2 d-1) Spin-up | Experiment 680 -Туре 640 ctrlclim obsclim 600 1850 1900 1950 2000 Year LME mask_REDS 550 weighted_mean (mg C m-2 d-1) Spin-up 500 Type ctrlclim 450 obsclim 400

1900

1950

Year

page 12 of 22 LME mask_BOB weighted_mean (mg C m-2 d-1) Spin-up 600 575 Type 550 ctrlclim obsclim 525 500 1900 1850 1950 2000 Year LME mask_GOT weighted_mean (mg C m-2 d-1) 930 Туре 900 obsclim 870 -1850 1900 2000 1950 Year LME mask_SCS weighted_mean (mg C m-2 d-1) Spin-up Type obsclim

1900

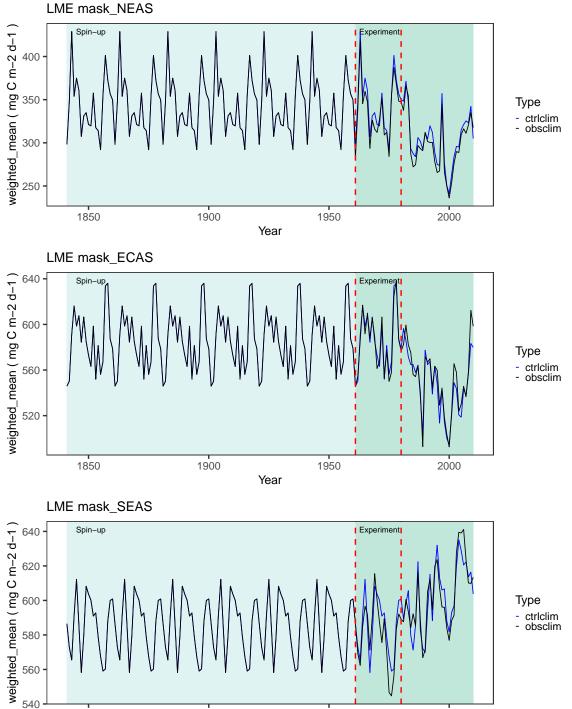
1950

Year

page 13 of 22 LME mask SULUS 420 weighted_mean (mg C m-2 d-1) Spin-up 390 Type 360 ctrlclim obsclim 330 300 2000 1850 1900 1950 Year LME mask_INDS weighted_mean (mg C m-2 d-1) 550 Spin-up 525 500 Type obsclim 475 450 1850 1900 1950 2000 Year LME mask_NAS weighted_mean (mg C m-2 d-1) Spin-up Type ctrlclim obsclim 675 1850 1900 2000 1950

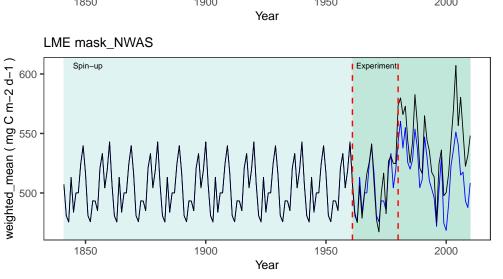
Year

page 14 of 22



Year

page 15 of 22 LME mask_SWAS weighted_mean (mg C m-2 d-1) Spin-up [Experiment] 500 Type ctrlclim obsclim 450 400 1850 1900 1950 2000 Year LME mask_WCAS weighted_mean (mg C m-2 d-1) Spin-up | Experiment 360 Туре ctrlclim obsclim 330 300 1850 1900 2000 1950 Year

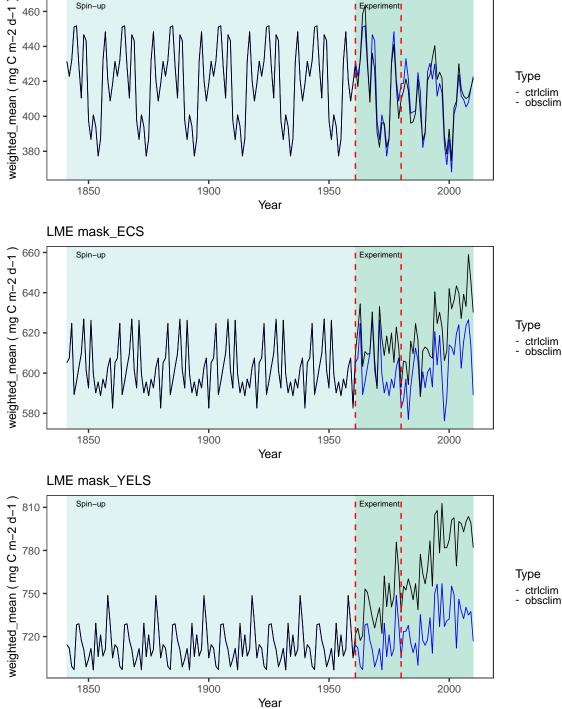


Type
- ctrlclim
- obsclim

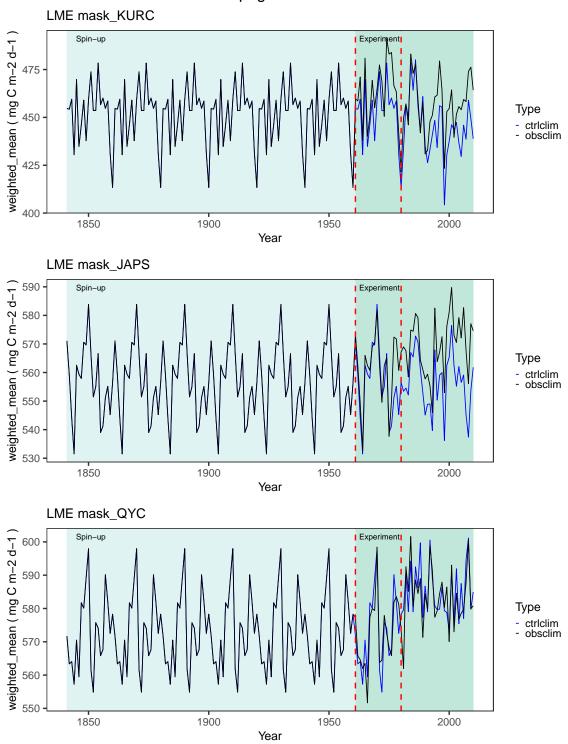
page 16 of 22

LME mask_NZS

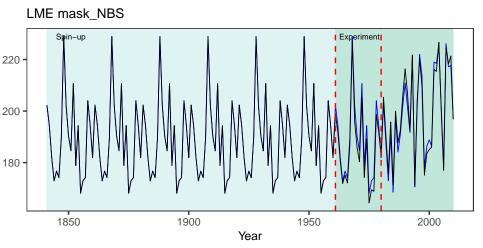
Spin-up



page 17 of 22



page 18 of 22 LME mask OKS 520 weighted_mean (mg C m-2 d-1) Spin-up [Experiment] 500 Type 480 ctrlclim obsclim 460 440 1950 2000 1850 1900 Year LME mask_WBS weighted_mean (mg C m-2 d-1) Spin-up | Experiment 480 470 Туре 460 ctrlclim obsclim 450 440 1850 1900 1950 2000 Year



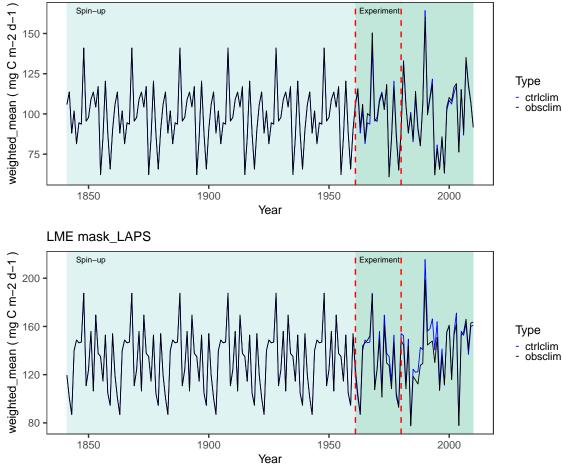
Type

ctrlclim obsclim

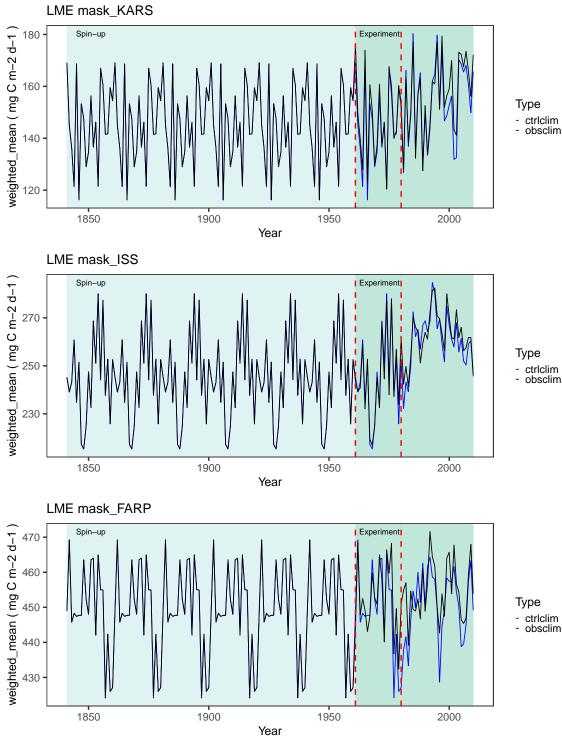
weighted_mean (mg C m-2 d-1)

page 19 of 22 LME mask BEAS weighted_mean (mg C m-2 d-1) 00 24 001 Spin-up Experiment Type 75 ctrlclim obsclim 1900 1950 2000 1850 Year LME mask_ESS Spin-up

Type



page 20 of 22

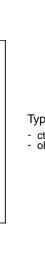


page 21 of 22 LME mask_ANT Spin-up weighted_mean (mg C m-2 d-1 170 160 Type ctrlclim obsclim 150 140 · 1850 1900 1950 2000 Year LME mask_BLS 530 weighted_mean (mg C m-2 d-1) Spin-up | Experiment 510 -Type 490 obsclim 470 450 2000 1850 1900 1950 Year LME mask_HUDB weighted_mean (mg C m-2 d-1) Spin-up Type ctrlclim obsclim

1900

1950

Year



page 22 of 22

