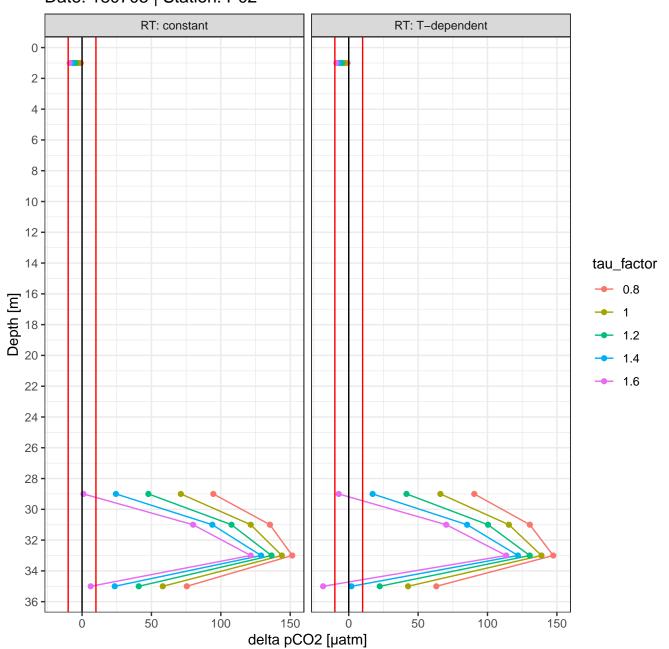
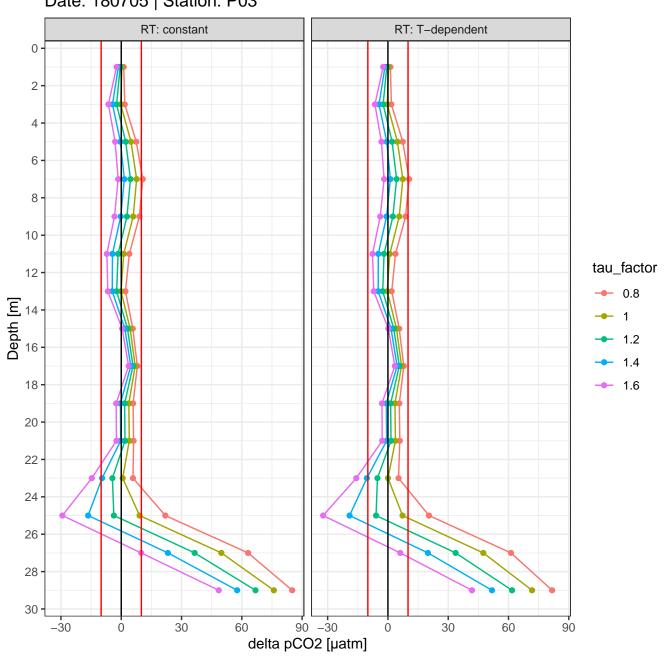
Date: 180705 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor 0.8 Depth [m] 1.2 18 **-**1.4 1.6 20 -22 -24 -26 -28 -30 -32 --10 -5 0 5 10 -10 -5 0 5 10

delta pCO2 [µatm]

Date: 180705 | Station: P02



Date: 180705 | Station: P03



Date: 180705 | Station: P04 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor Depth [m] - 0.8 1.2 18 **-**1.4 1.6 20 -22 -24 -26 -28 -30 -32 -<u>-</u>5 <u>-</u>5 -10 Ö 5 10 -100 5 10

delta pCO2 [µatm]

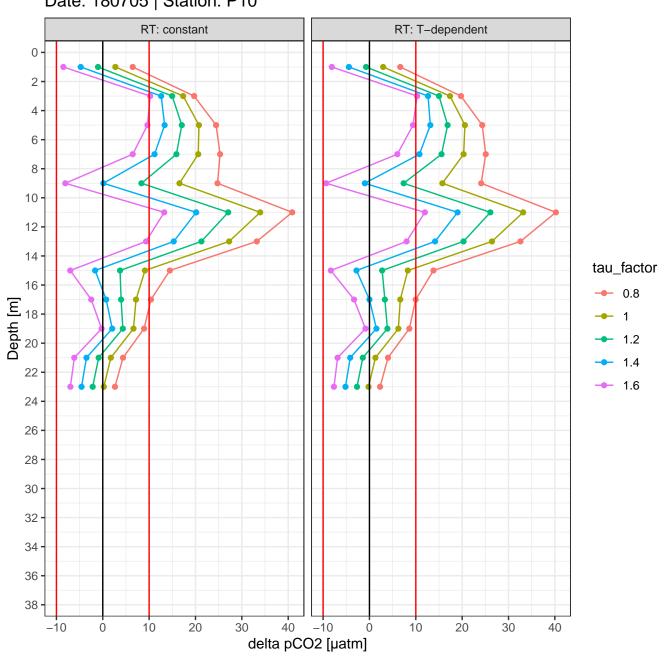
Date: 180705 | Station: P05 RT: constant RT: T-dependent 0 2 -6 -8 -10 tau_factor 8.0 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -5 -5 **-**5 5 -10 Ö 10 -10 Ö 10 delta pCO2 [µatm]

Date: 180705 | Station: P07 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -- 0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -20 10 -10 0 10 -1020 delta pCO2 [µatm]

Date: 180705 | Station: P08 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -20 10 20 -100 -10 0 10 delta pCO2 [µatm]

Date: 180705 | Station: P09 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 -5 5 -5 -10 <u>-</u>5 -10 Ö 10 Ö 10 delta pCO2 [µatm]

Date: 180705 | Station: P10



Date: 180705 | Station: P11 RT: constant RT: T-dependent 0 2 -6 -8 -10 tau_factor **0.8** Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -10 0 10 -100 10 delta pCO2 [µatm]

Date: 180705 | Station: P12 RT: constant RT: T-dependent 0 -2 -6 -8 tau_factor 10 -- 0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 --10 Ö 10 -10 0 10 delta pCO2 [µatm]

Date: 180709 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -0.8 Depth [m] 1.2 1.4 16 -1.6 18 -20 -22 -24 -26 -28 --20 -20 20 $-\dot{1}0$ 20 -100 10 0 10 delta pCO2 [µatm]

Date: 180709 | Station: P02 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 -20 20 -10 Ö 10 -10 Ö 10 delta pCO2 [µatm]

Date: 180709 | Station: P03 RT: constant RT: T-dependent 0 2 -6 -8 -10 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -20 20 $-\dot{1}0$ 0 10 30 -10 0 10 30 delta pCO2 [µatm]

Date: 180709 | Station: P04 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 --5 -5 5 5 10 10 -10Ö -10 0 delta pCO2 [µatm]

Date: 180709 | Station: P05 RT: constant RT: T-dependent 0 2 -4 -6 -8 -10 tau_factor 12 -8.0 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 --20 -20 -10 0 10 -10 0 10 delta pCO2 [µatm]

Date: 180709 | Station: P07 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -- 0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 --20 -20 -40 -40

delta pCO2 [µatm]

Date: 180709 | Station: P08 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 5 5 10 –10 <u>-</u>5

delta pCO2 [µatm]

Ö

10

-10

-5

Ö

Date: 180709 | Station: P09 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -- 0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -20 –20 -20 -10 0 10 -10 0 10 20 delta pCO2 [µatm]

Date: 180709 | Station: P10 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -- 0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -10 20 -100 -10 0 10 20 delta pCO2 [µatm]

Date: 180709 | Station: P11 RT: constant RT: T-dependent 0 2 -4 -6 -8 -10 tau_factor 12 -0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -25 50 25 50 Ö 75 . 75 delta pCO2 [µatm]

Date: 180709 | Station: P12 RT: constant RT: T-dependent 0 -2 -6 -8 -10 -12 tau_factor 8.0 Depth [m] 1.2 18 **-**1.4 1.6 20 -22 -24 -26 -28 -30 -32 -

> o –10 delta pCO2 [µatm]

10

-10

0

20

20

10

Date: 180709 | Station: P06 RT: constant RT: T-dependent 0 2 -4 -6 -8 -10 tau_factor 12 -- 0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -20 30 30 20 -100 10 -10 10 delta pCO2 [µatm]

Date: 180709 | Station: P13 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor 8.0 Depth [m] 1.2 18 **-**1.4 1.6 20 -22 -24 -26 -28 -

-20

delta pCO2 [µatm]

-10

0

10

30 -

32 -

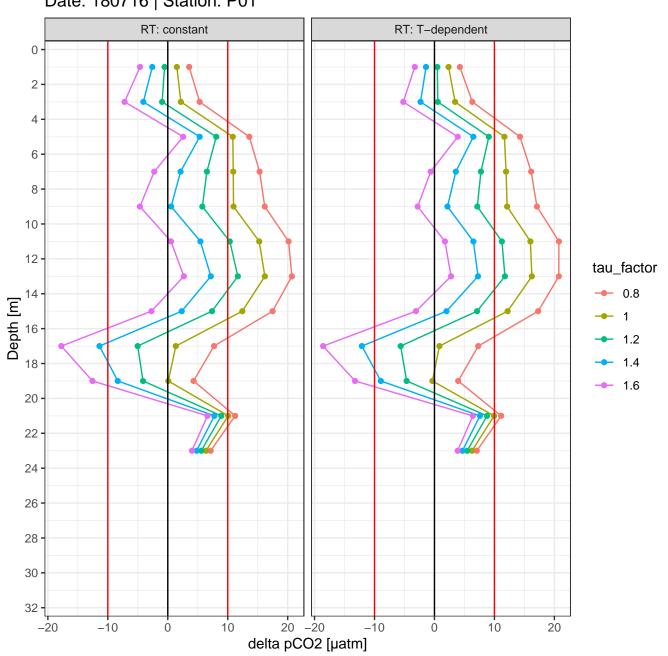
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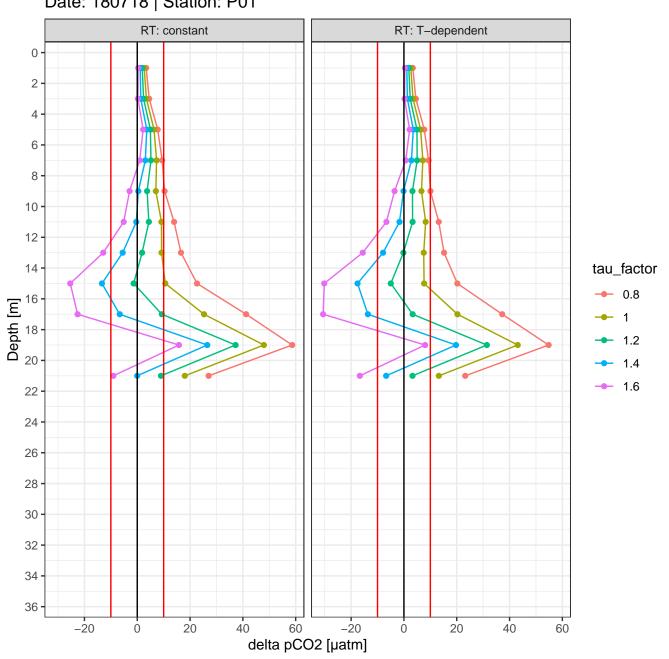
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Date: 180716 | Station: P01 RT: constant



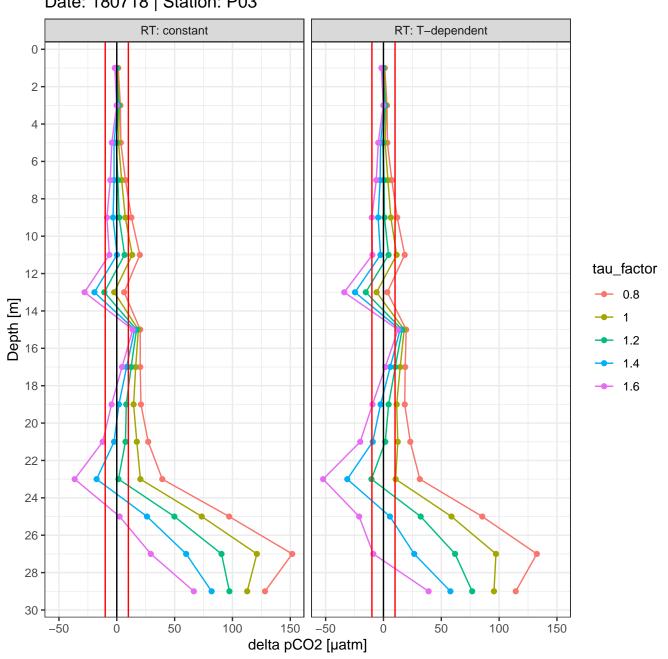
Date: 180718 | Station: P01



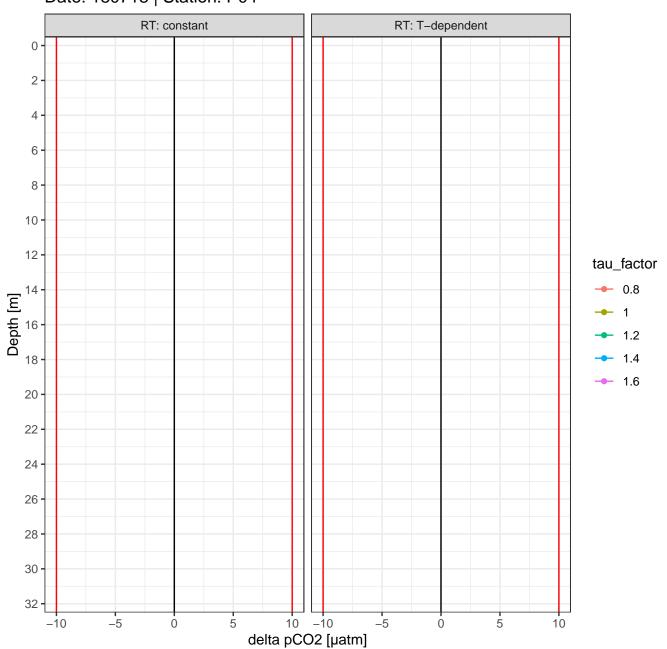
Date: 180718 | Station: P02 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 14 -16 -18 -20 -22 · -30 -20 -**1**0 -30 -20 0 10 -100 10

delta pCO2 [µatm]

Date: 180718 | Station: P03



Date: 180718 | Station: P04



Date: 180718 | Station: P05 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -

20

30

20

30

delta pCO2 [µatm]

-10

0

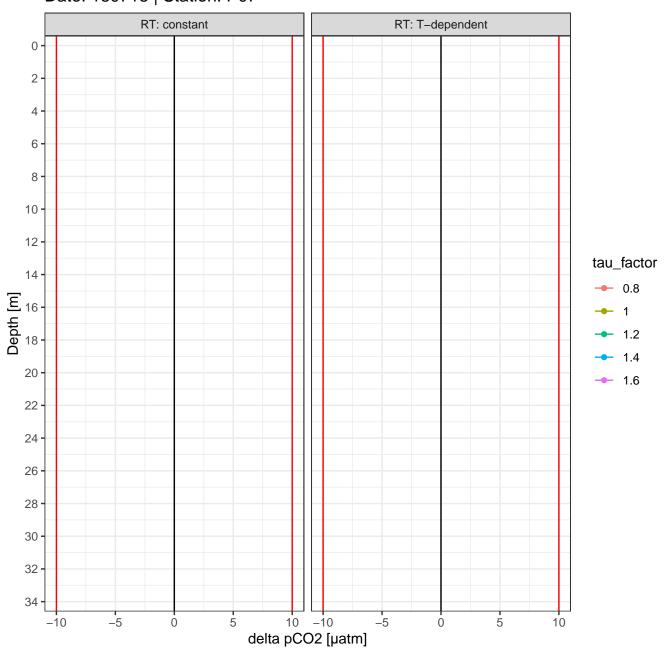
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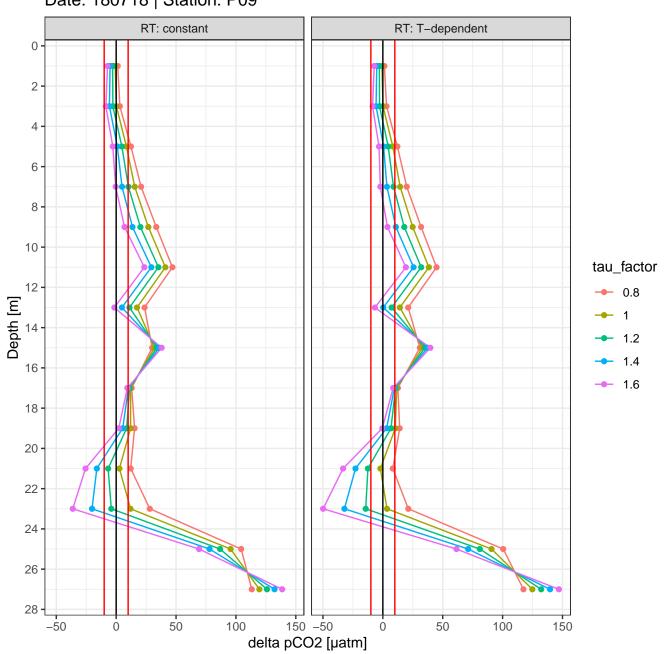
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Date: 180718 | Station: P07



Date: 180718 | Station: P08 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 --20 20 20 -20 -10 0 10 -10 0 10 delta pCO2 [µatm]

Date: 180718 | Station: P09



Date: 180718 | Station: P10 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -

-20

delta pCO2 [µatm]

0

20

-20

0

20

Date: 180718 | Station: P11 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 8.0 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -10 20 -10 -10 Ö 10 20 delta pCO2 [µatm]

Date: 180718 | Station: P12 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -

-20

0

-40

delta pCO2 [µatm]

20

40

26 -

28 -

30 -

-40

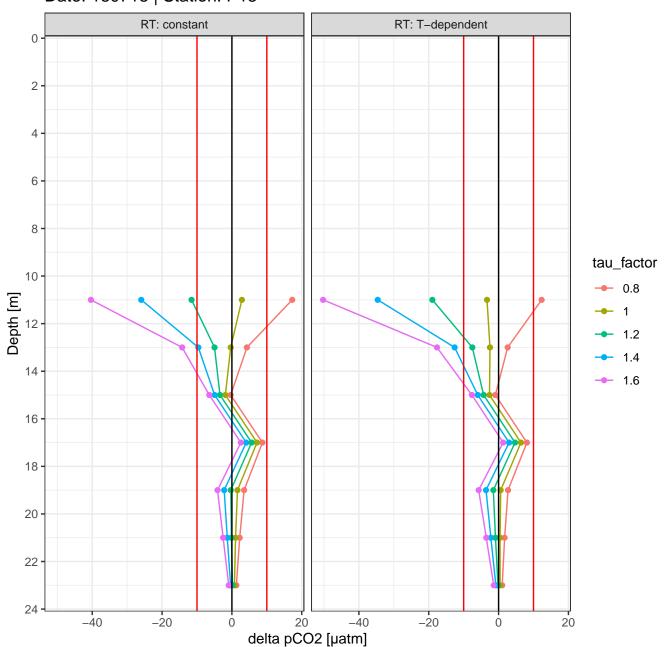
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0

20

40

Date: 180718 | Station: P06 RT: constant RT: T-dependent 0 2 -4 -6 -8 -10 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 --20 -20 20 -100 10 -10 0 10 20 delta pCO2 [µatm]



Date: 180723 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 12 -- 0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -

30 -

-20

0

20

40

60

delta pCO2 [µatm]

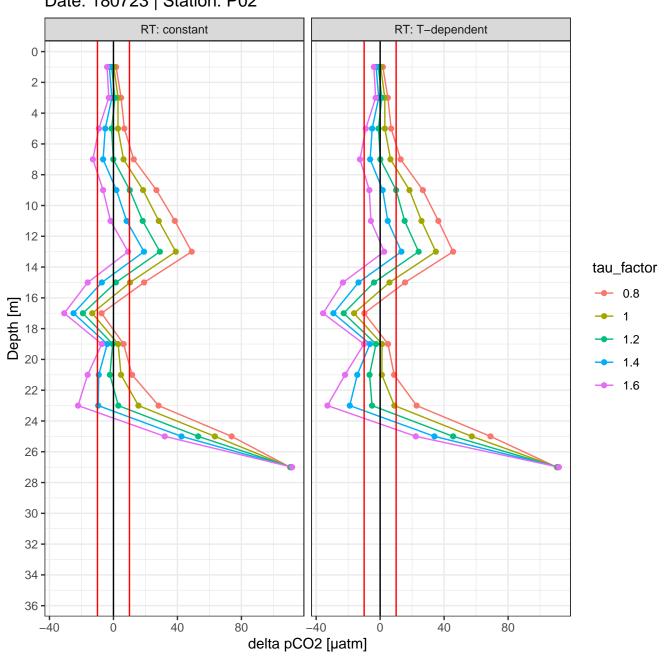
-20

Ö

20

40

60



Date: 180723 | Station: P03 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau_factor Depth [m] 18-- 0.8 1.2 1.4 1.6 22 -24 -26 -28 -30 -32 -34 -36 -

30

60

delta pCO2 [µatm]

-30

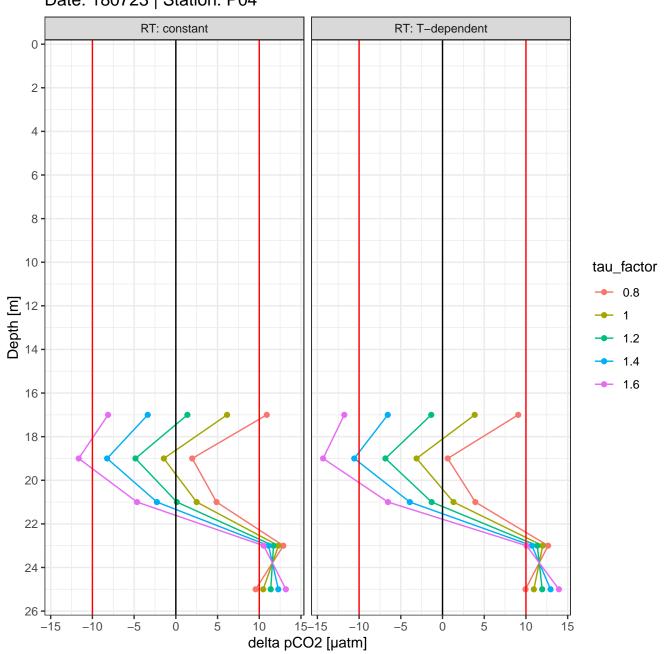
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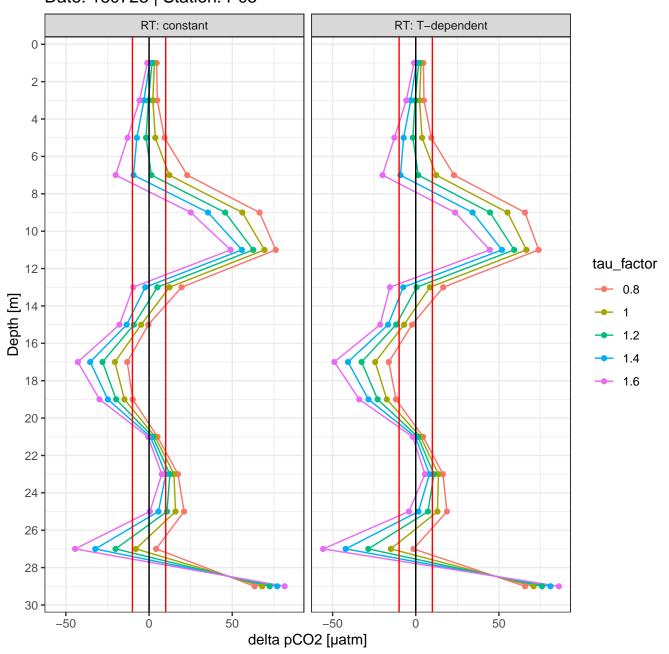
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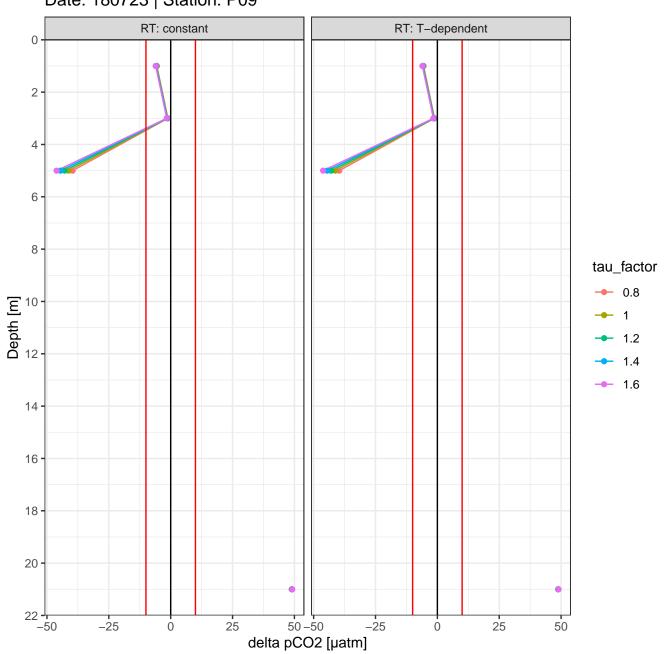
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Date: 180723 | Station: P07 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor 14 -- 0.8 Depth [m] 1.2 1.4 20 -1.6 22 -24 -26 -28 -30 -32 -34 -80-40 -40 0 40 40 80 delta pCO2 [µatm]

Date: 180723 | Station: P09 RT: constant



Date: 180723 | Station: P10 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor 14 -0.8 Depth [m] 1.2 1.4 20 -1.6 22 -24 -26 -28 -30 -32 -34 -

-20

60

delta pCO2 [µatm]

20

40

60

Ö

20

40

-**2**0

Ö

Date: 180723 | Station: P11 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 14 -16 18 -20 -22 -20 -20 20 20 Ö delta pCO2 [µatm]

Date: 180723 | Station: P12 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 14 -16 -18 -20 -22 -20 -20 20 20 Ö Ö delta pCO2 [µatm]

Date: 180723 | Station: P06 RT: constant RT: T-dependent 0 -2 -6 -8 -10 -12 tau_factor - 0.8 Depth [m] 1.2 18 **-**1.4 1.6 20 -22 -24 -26 -28 -30 -32 -

20

40

Ö

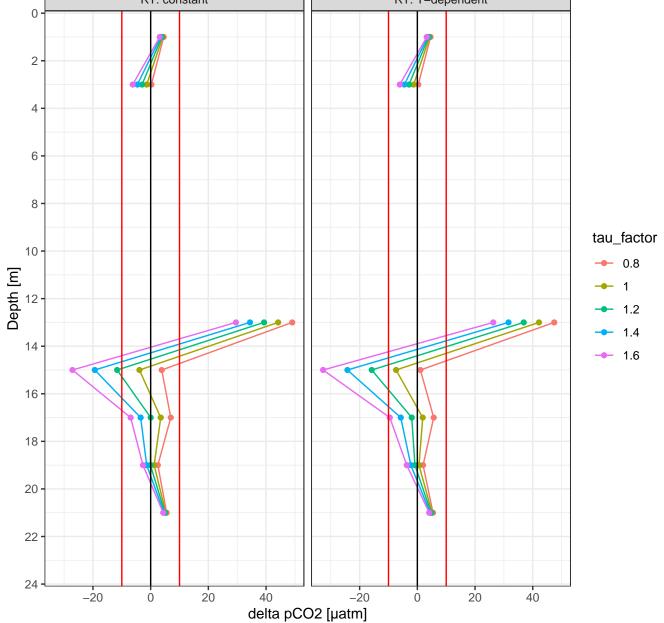
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40

delta pCO2 [µatm]

0

Date: 180723 | Station: P13 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 0.8 1.2 1.4 1.6



Date: 180730 | Station: P01 RT: constant RT: T-dependent 0 -2 -6 -8 -10 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -25 50 -25 -25 25 50 Ö

delta pCO2 [µatm]

Date: 180730 | Station: P02 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -- 0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 -20 20 -20 20 Ö 0

delta pCO2 [µatm]

Date: 180730 | Station: P03 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -

-20

-10

0

10

-30

delta pCO2 [µatm]

-30

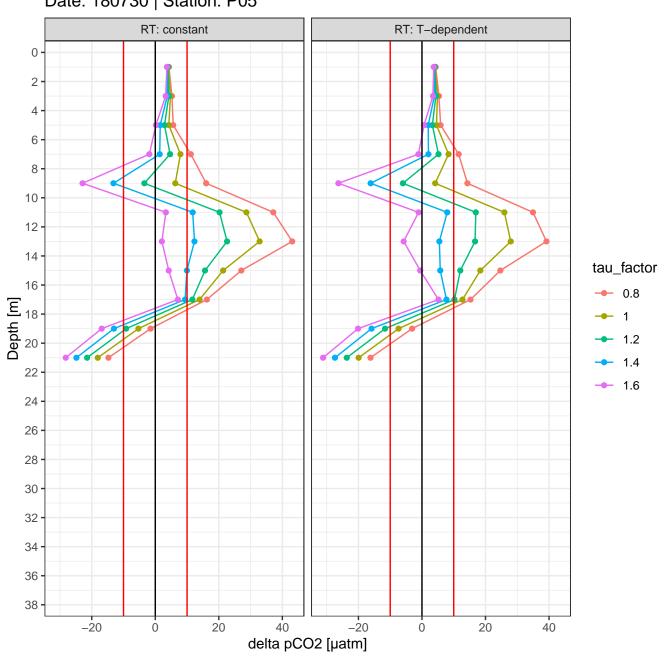
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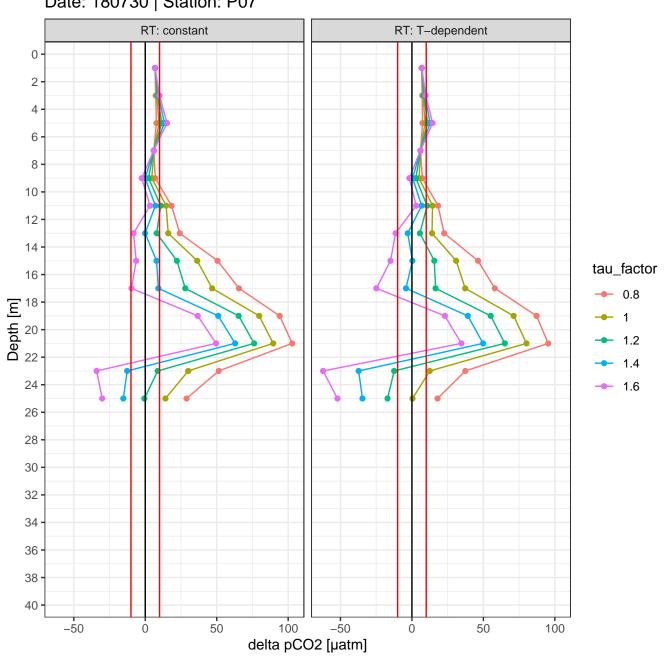
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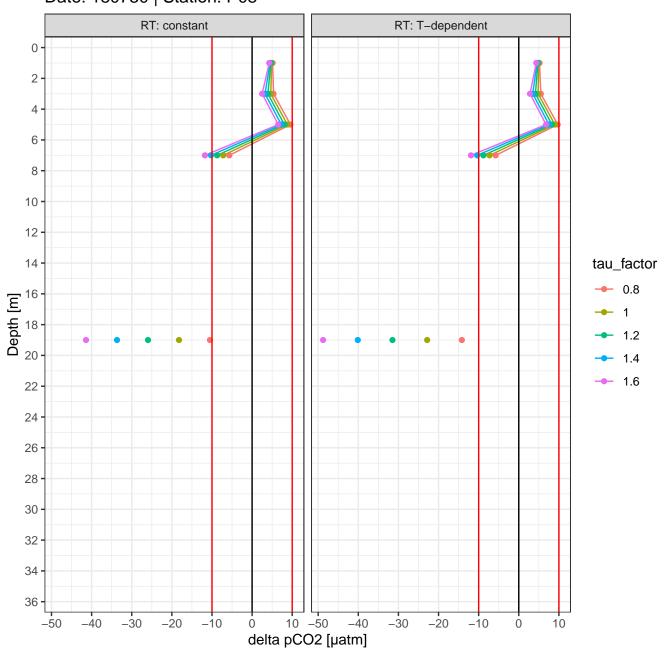
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10

Date: 180730 | Station: P04 RT: constant RT: T-dependent 0 2 -4 -6 -8 -10 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -40 40 -40 40 Ö 0 delta pCO2 [µatm]

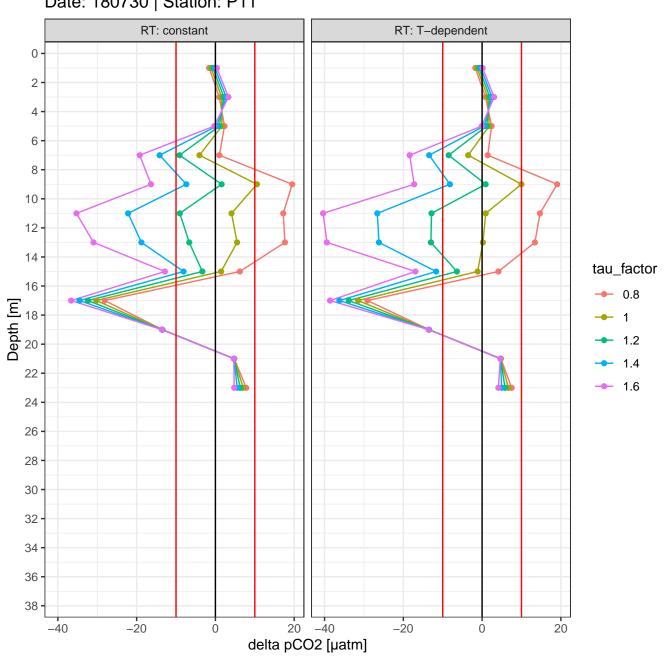


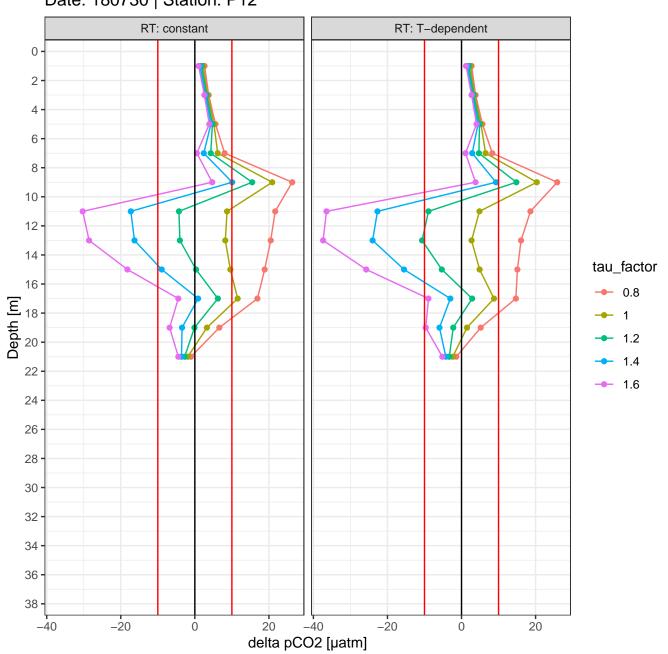




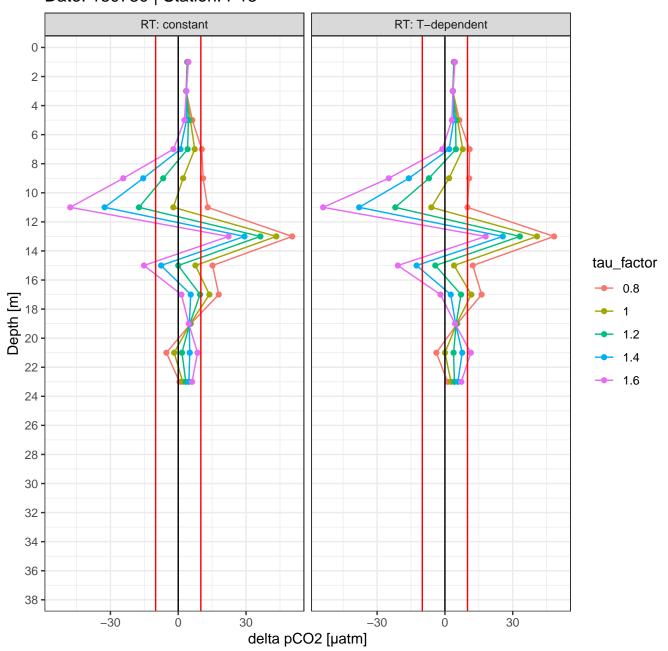
Date: 180730 | Station: P09 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -- 0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 --25 25 -25 25 0 delta pCO2 [µatm]

Date: 180730 | Station: P10 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor 14 -- 0.8 Depth [m] 1.2 1.4 20 -1.6 22 -24 -26 -28 -30 -32 -34 -20 20 30 -10 0 10 -10 0 10 30 delta pCO2 [µatm]





Date: 180730 | Station: P06 RT: constant RT: T-dependent 2 -4 -6 tau_factor 8 -- 0.8 Depth [m] 1.2 1.4 1.6 12 -14 -16**-**18 --20 20 40 20 -**2**0 Ö Ö 40 delta pCO2 [µatm]

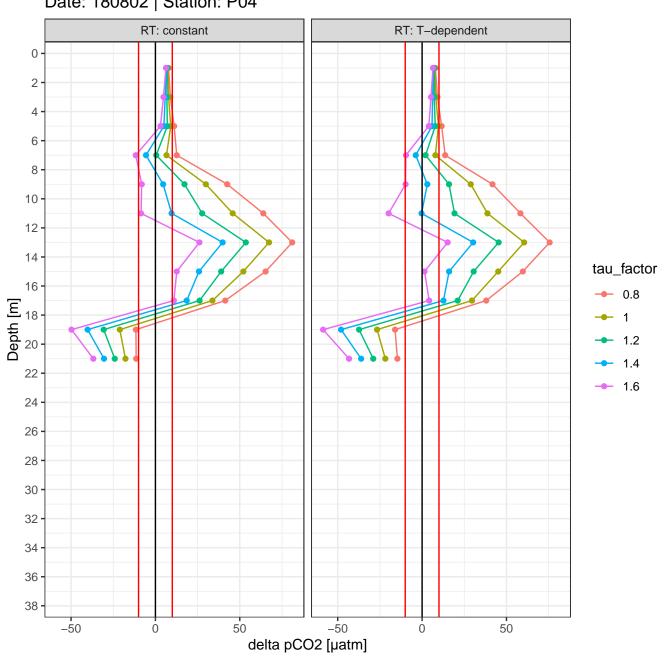


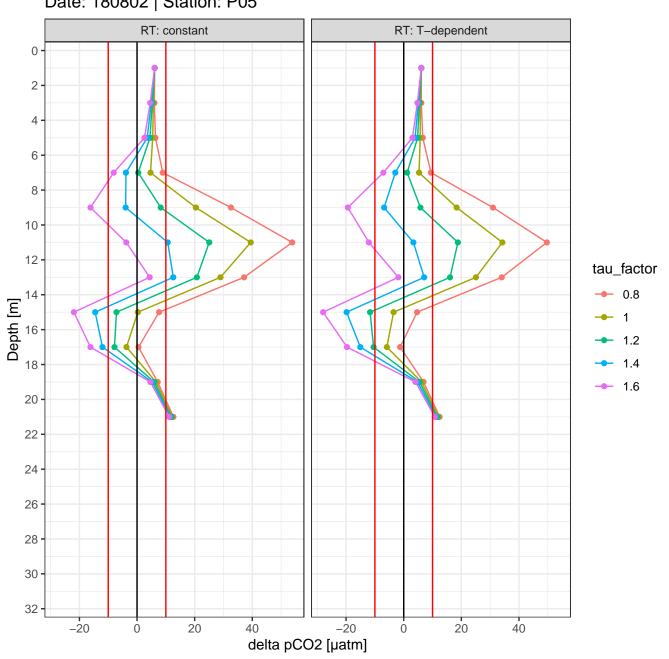
Date: 180802 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 --20 20 20 -40 -20 -40 Ö Ö delta pCO2 [µatm]

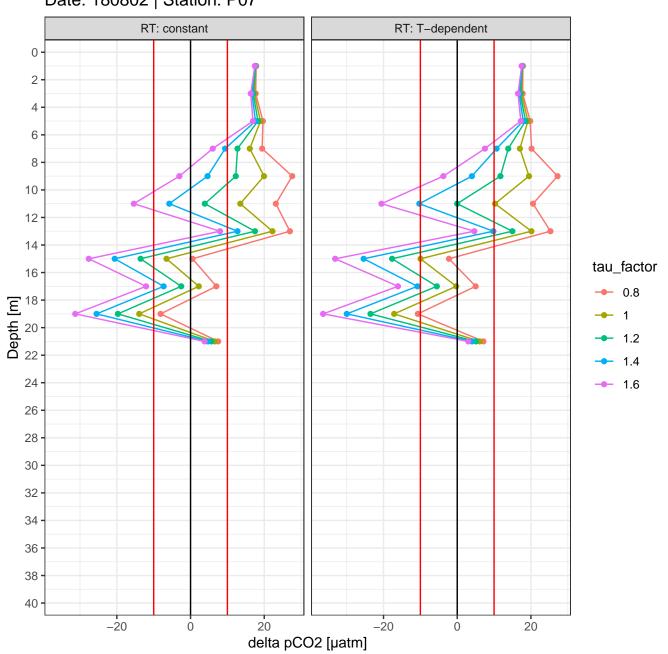
Date: 180802 | Station: P02 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 14 -16 -18 -20 -22 -10 5 5 10 –10 <u>-</u>5 -5 Ö Ö 10

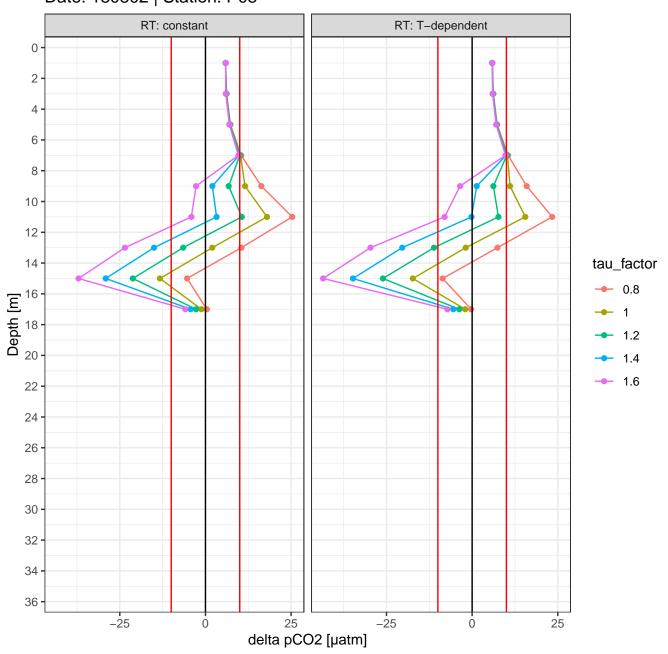
delta pCO2 [µatm]

Date: 180802 | Station: P03 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -- 0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 -25 25 -25 25 0 0 delta pCO2 [µatm]

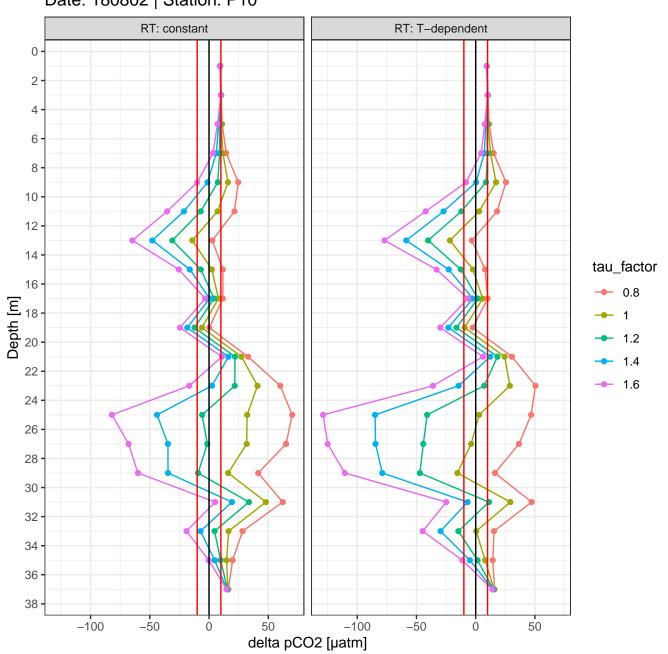








Date: 180802 | Station: P09 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau_factor 10 -0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 --20 20 -20 20 -40 Ö -40 0 delta pCO2 [µatm]

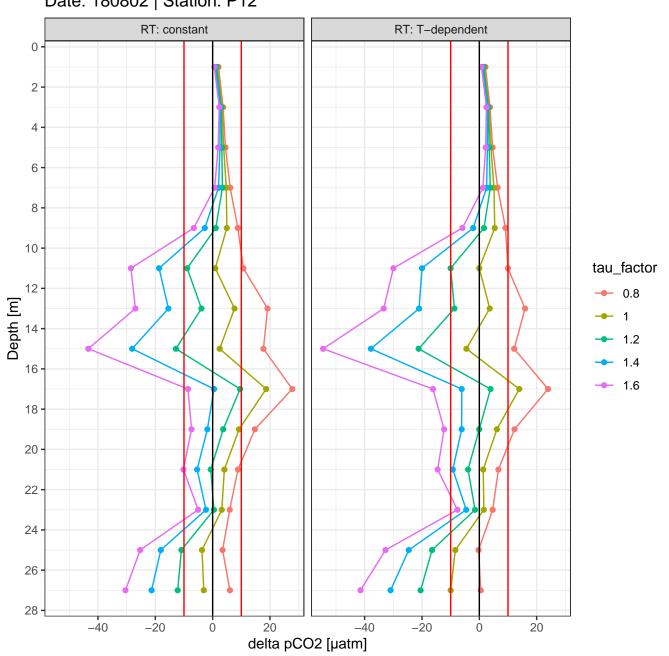


Date: 180802 | Station: P11 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau_factor Depth [m] 18-- 0.8 1.2 1.4 1.6 22 -24 -26 -28 -30 -32 -34 -36 -20 -20 20 -20 40 Ö 40

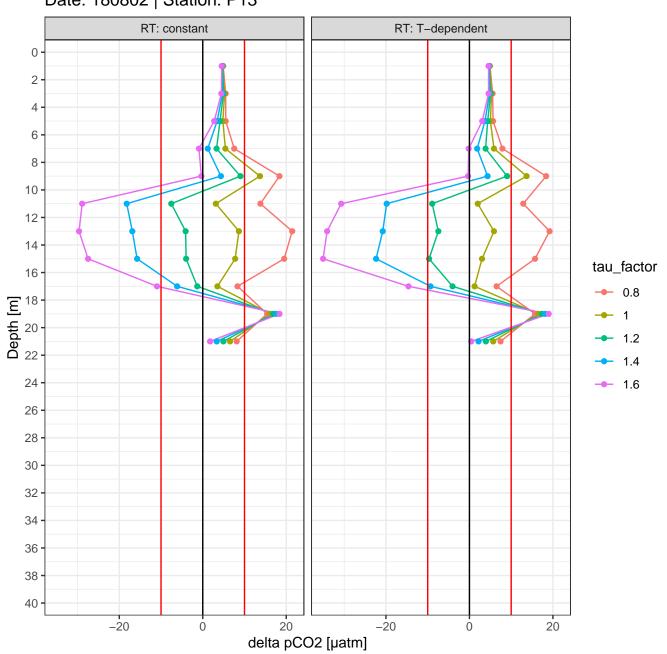
delta pCO2 [µatm]

0

Date: 180802 | Station: P12 RT: constant



Date: 180802 | Station: P06 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 14 -16**-**18 -20 -22 25 -25 25 -25 -**5**0 -**5**0 Ö delta pCO2 [µatm]



Date: 180806 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau_factor 16 -- 0.8 Depth [m] 1.2 1.4 22 -1.6 24 -26 -28 -30 -32 -34 -36 -

-50

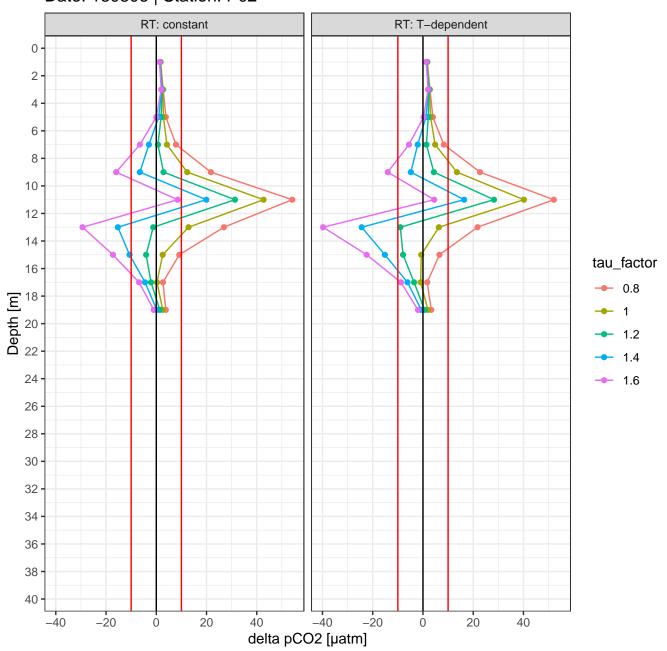
delta pCO2 [µatm]

Ö

38 -

-50

Ö



Date: 180806 | Station: P03 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -

-25

50-50

delta pCO2 [µatm]

25

50

25

26

-50

-25

Ö

Date: 180806 | Station: P04 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau_factor Depth [m] 18-0.8 1.2 1.4 1.6 22 -24 -26 -28 -30 -32 -34 -36 -

25

50

25

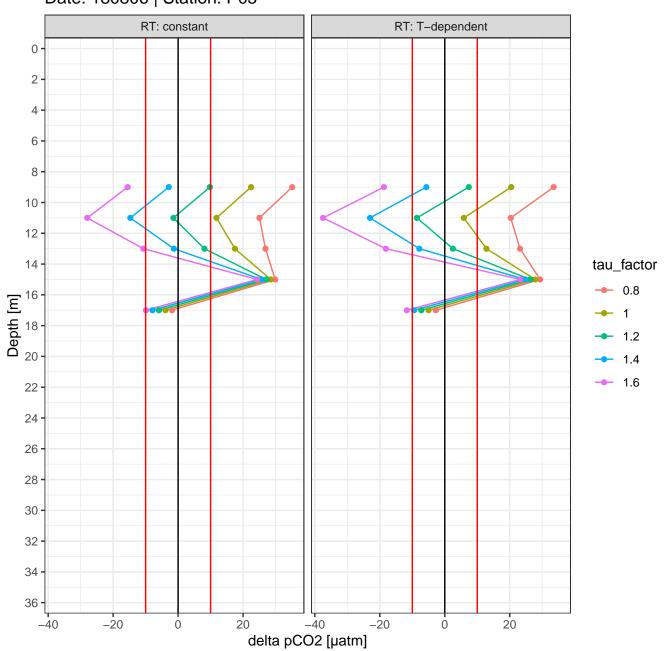
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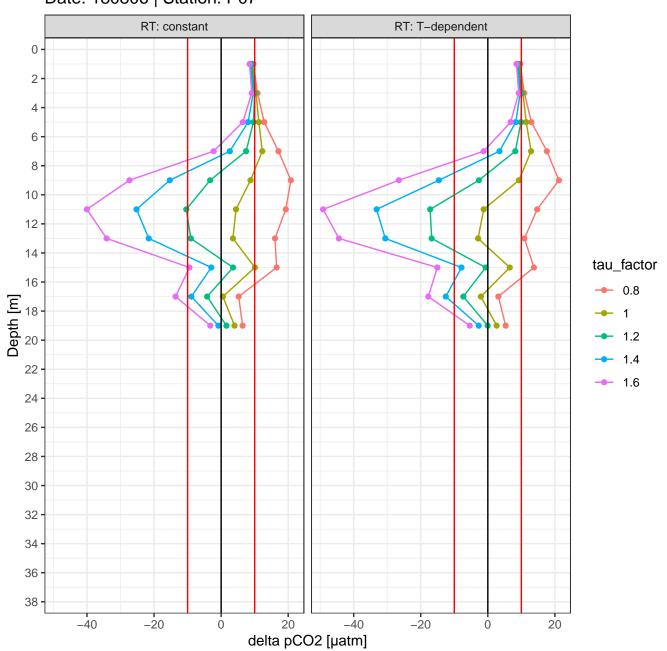
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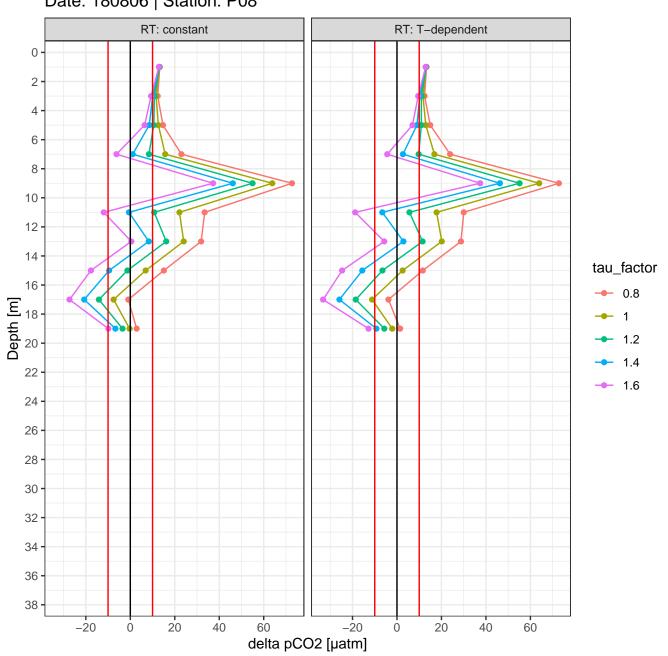
50

-25

delta pCO2 [µatm]







Date: 180806 | Station: P09 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau_factor 0.8 Depth [m] 1.2 1.4 1.6 14 -16**-**18 -20 -22 -75 -25 -75 -**5**0 -**5**0 -25 Ö delta pCO2 [µatm]

Date: 180806 | Station: P10 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau_factor Depth [m] 18-- 0.8 1.2 1.4 1.6 22 -24 -26 -28 -30 -32 -34 -

25

delta pCO2 [µatm]

-50

-25

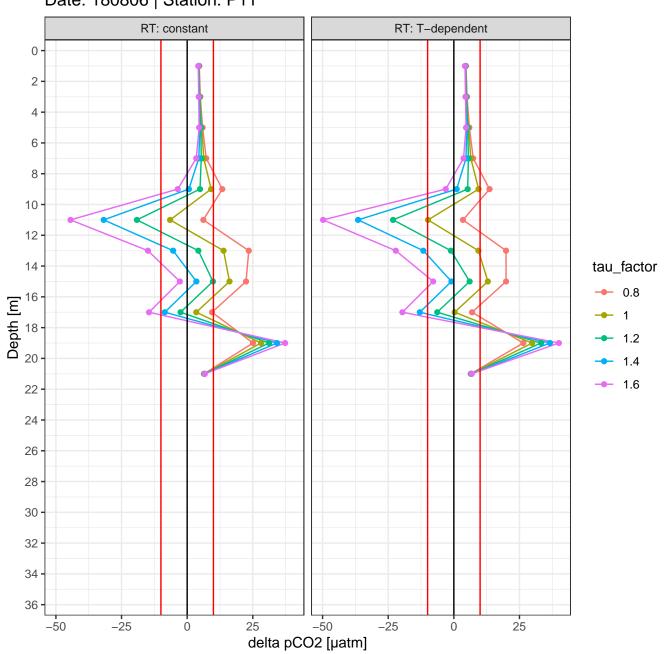
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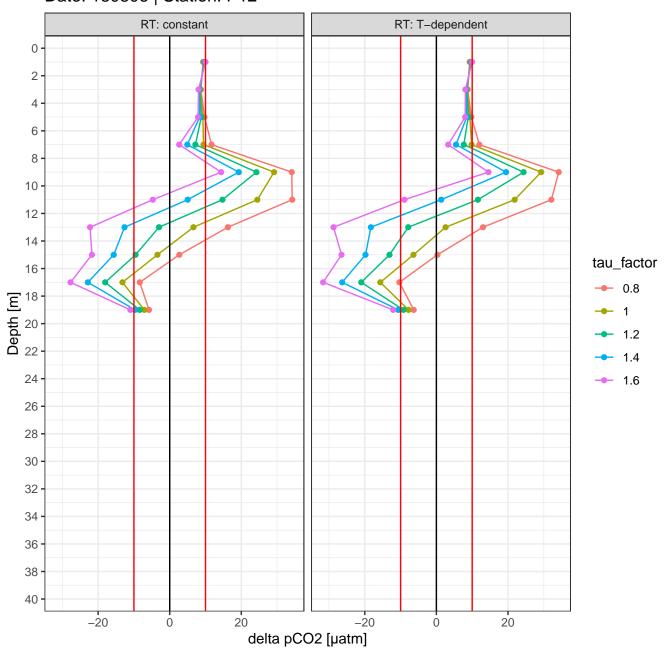
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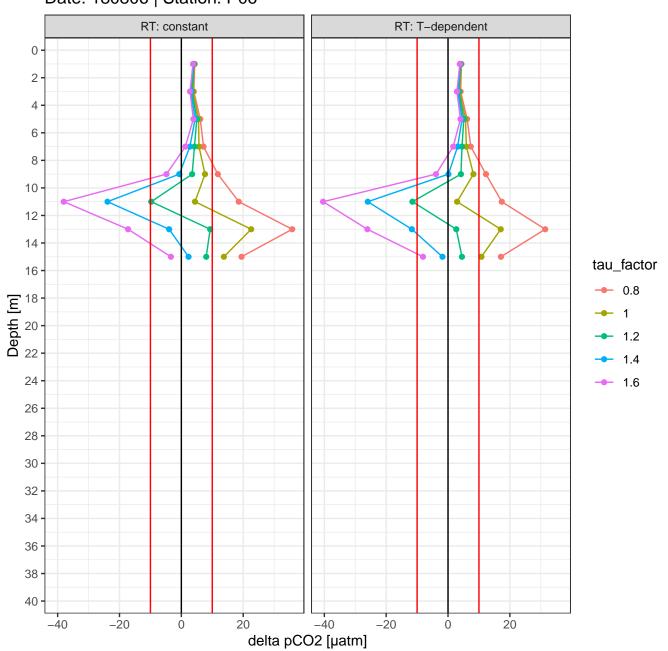
36 -

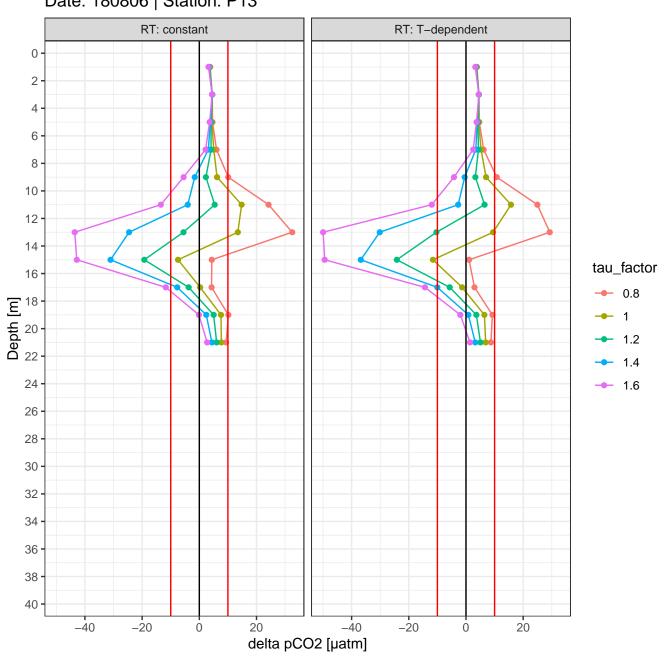
-**5**0

-25









Date: 180815 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 tau_factor 14 -- 0.8 Depth [m] 1.2 1.4 20 -1.6 22 -24 -26 -28 -30 -32 -

30

delta pCO2 [µatm]

-60

-30

0

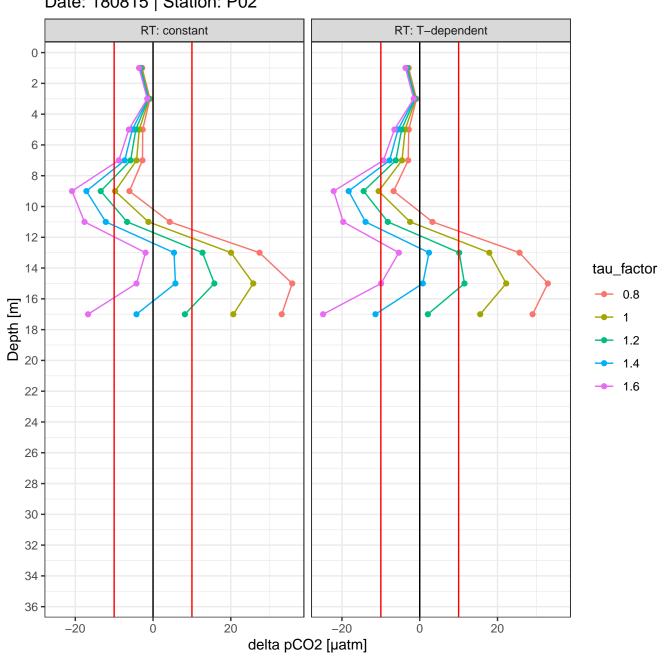
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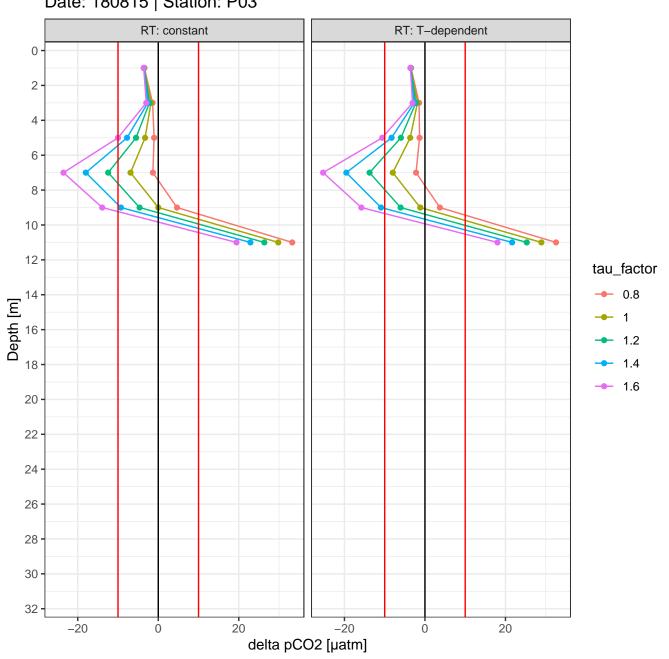
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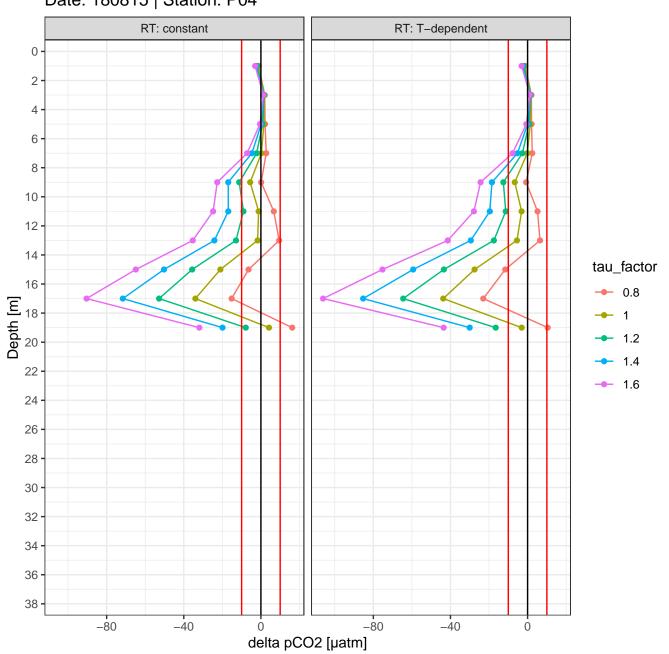
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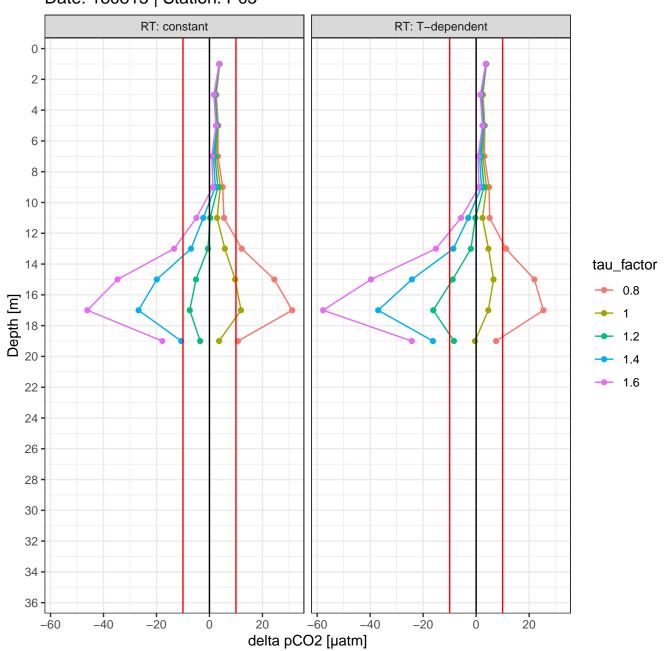
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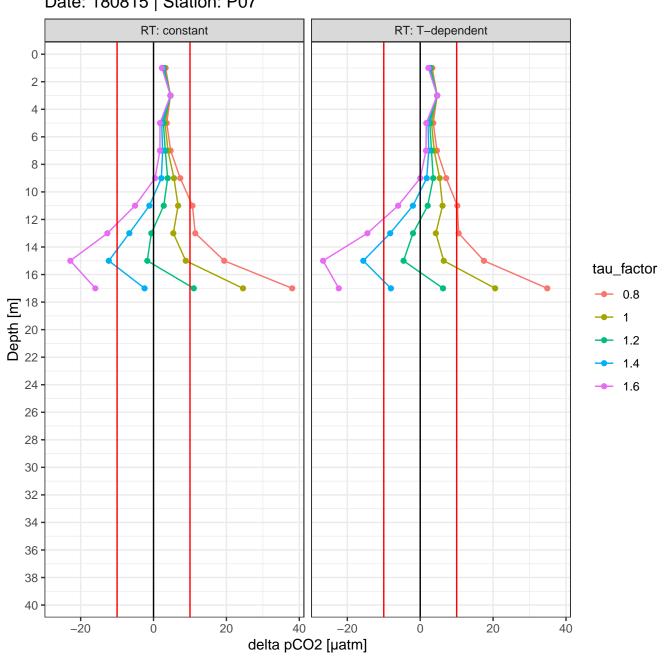
-60

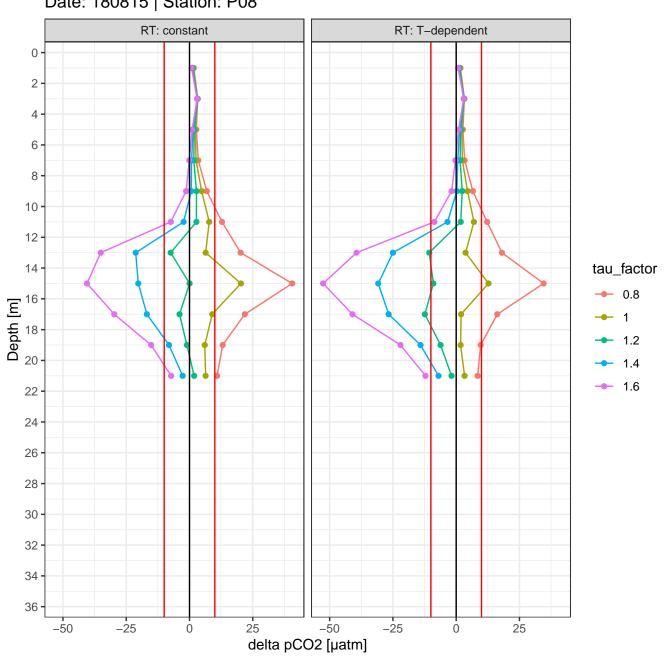












Date: 180815 | Station: P09 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 14 -16 -18 -20 -

-200

delta pCO2 [µatm]

-150

-100

-50

0

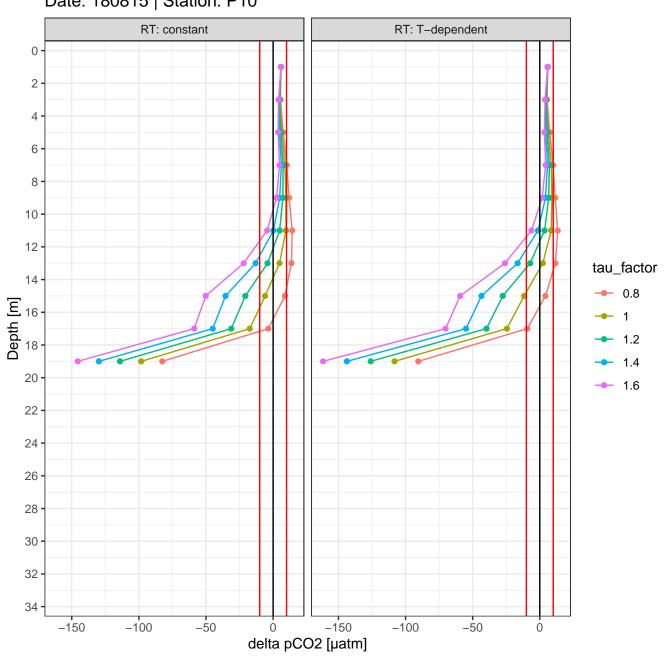
22 ·

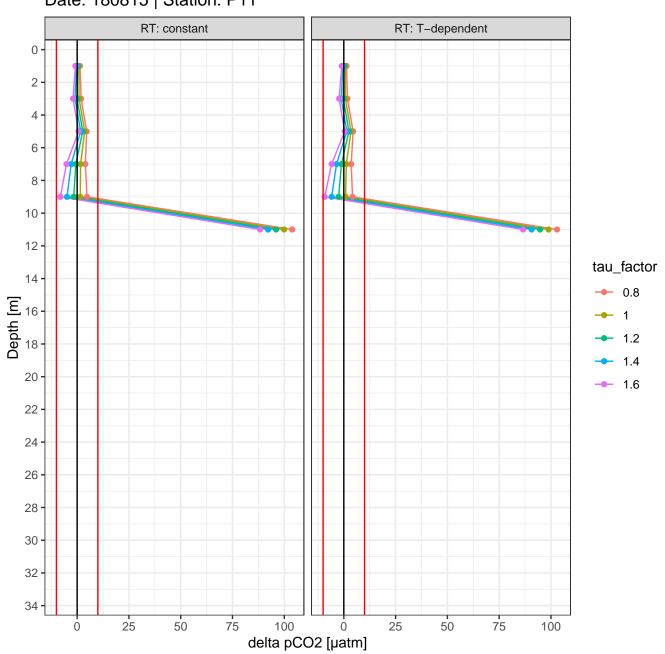
-200

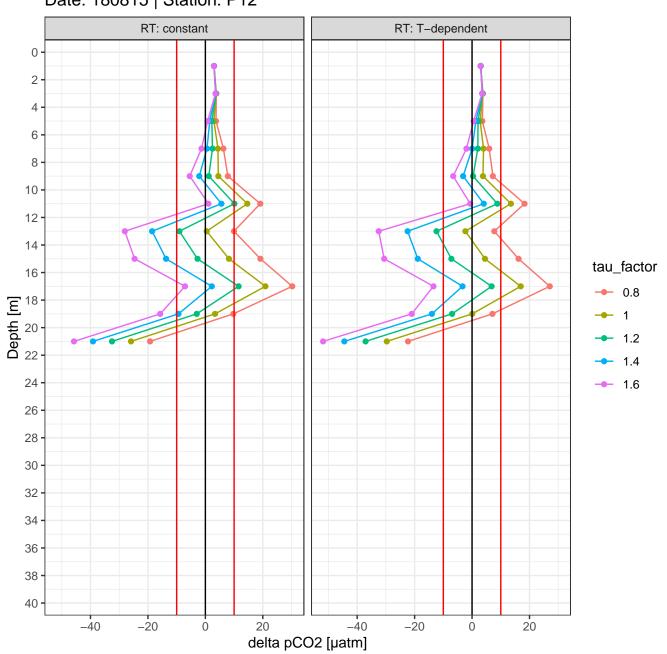
-150

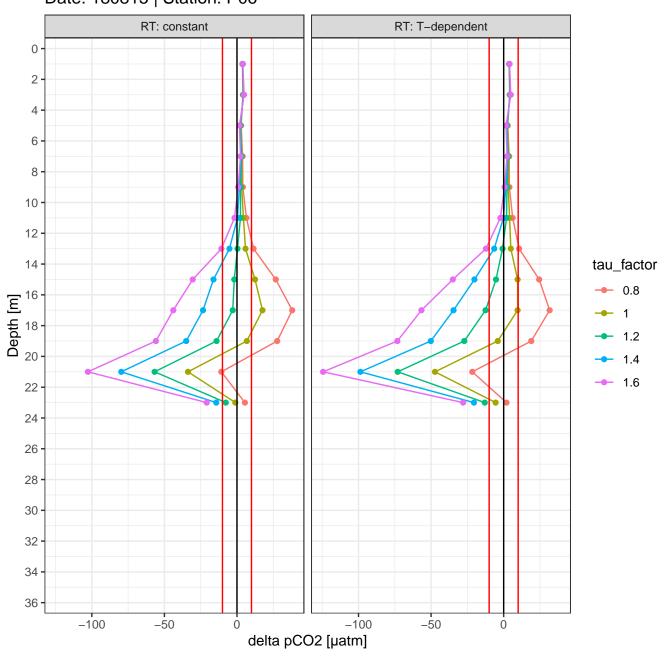
-100

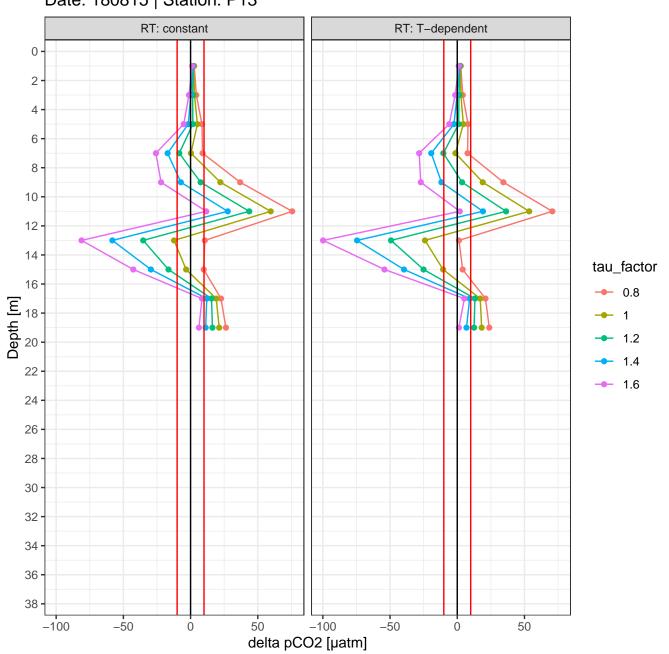
-50



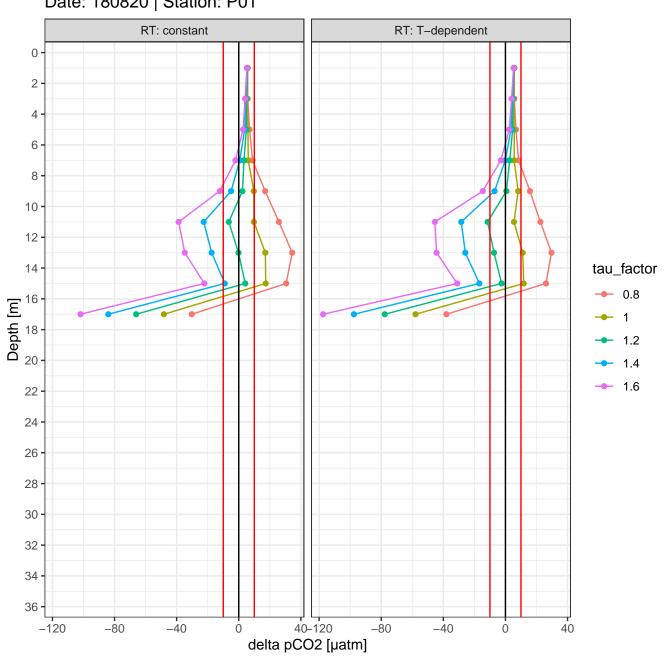








Date: 180820 | Station: P01 RT: constant



Date: 180820 | Station: P11 RT: constant RT: T-dependent 0 2 -6 -8 -10 tau_factor - 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 --100 -200 -300 -200 -300 -100

delta pCO2 [µatm]

