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 -

<u>-</u>5

0

5

10

32 -

-10

-5

0

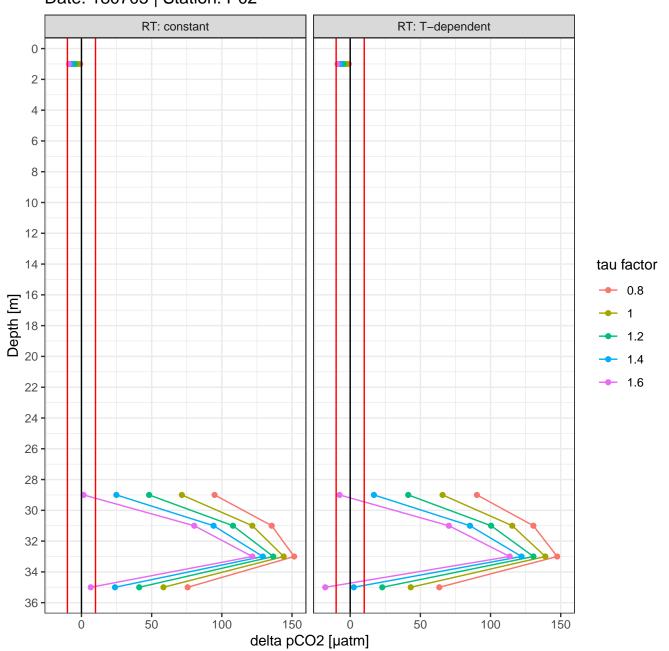
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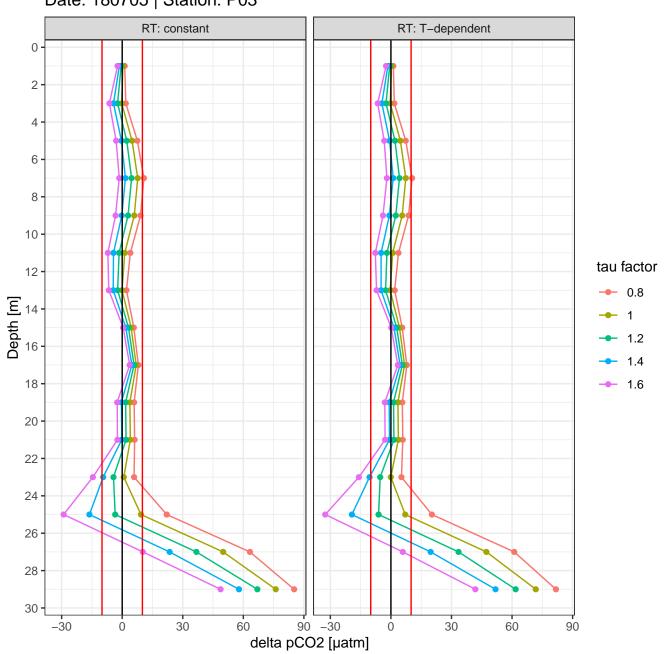
delta pCO2 [µatm]

-10

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 -

-5

Ö

5

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-10

32 -

-5

0

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delta pCO2 [µatm]

-10

Date: 180705 | 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 --5 -5 5 5 -10 Ö 10 -10 0 10 delta pCO2 [µatm]

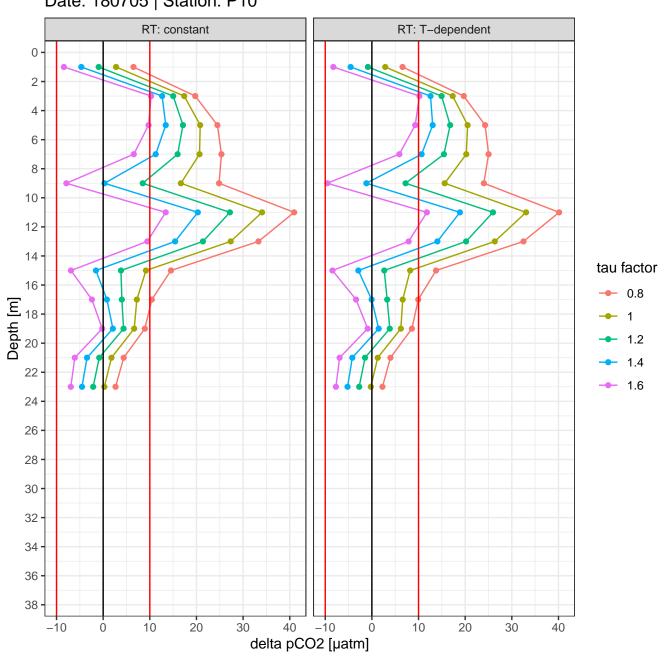
Date: 180705 | Station: P07 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau factor 12 -0.8 Depth [m] 1.2 1.4 18 -1.6 20 -22 -24 -26 -28 -30 -20 -10 0 10 -10 0 10 20 delta pCO2 [µatm]

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 20 -10 0 10 -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 10 -10Ö 5 10 -10 0 5 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 -100 10 -10 0 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 0 10 -10 0 10 delta pCO2 [µatm]

Date: 180705 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 1.6 12 -14 -16 --10 Ö 10 -10Ö 10 delta pCO2 [µatm]

Date: 180707 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor • 0.8 Depth [m] 1.2 1.4 **-** 1.6 10 -12 -14 --5 5 5 10 -5 10 -10 0 -10 0 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 -100 10 -100 10 20 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 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 10 -10 0 -10 0 10 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 10 -10Ö 5 10 -10 Ö 5 delta pCO2 [µatm]

Date: 180709 | Station: P05 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 -10 Ö 10 -100 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

delta pCO2 [µatm]

0

-40

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 -

5

10

24 -

-10

-5

Ö

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10 -10

delta pCO2 [µatm]

-5

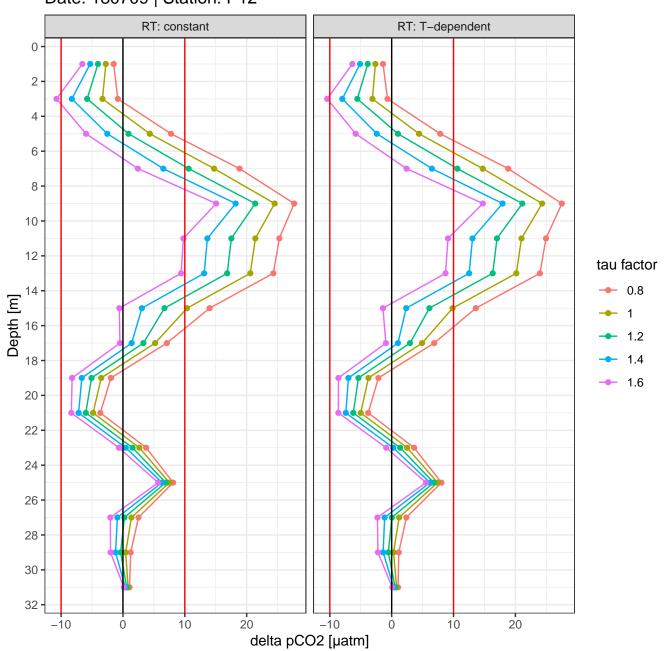
Ö

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 -20 -10 0 10 -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 25 50 75 50 75 delta pCO2 [µatm]

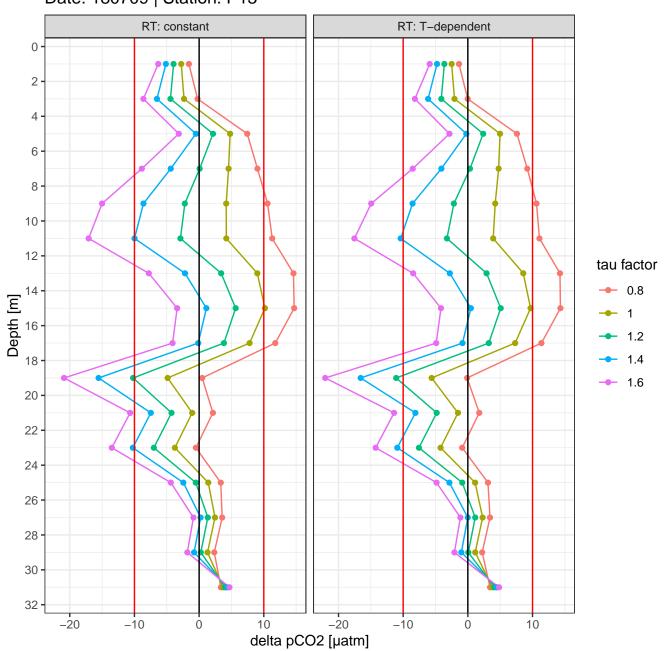
Date: 180709 | Station: P12



Date: 180709 | Station: P14 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 -10-10 Ö 10 10 delta pCO2 [µatm]

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 20 30 -100 10 -1010 delta pCO2 [µatm]

Date: 180709 | Station: P13

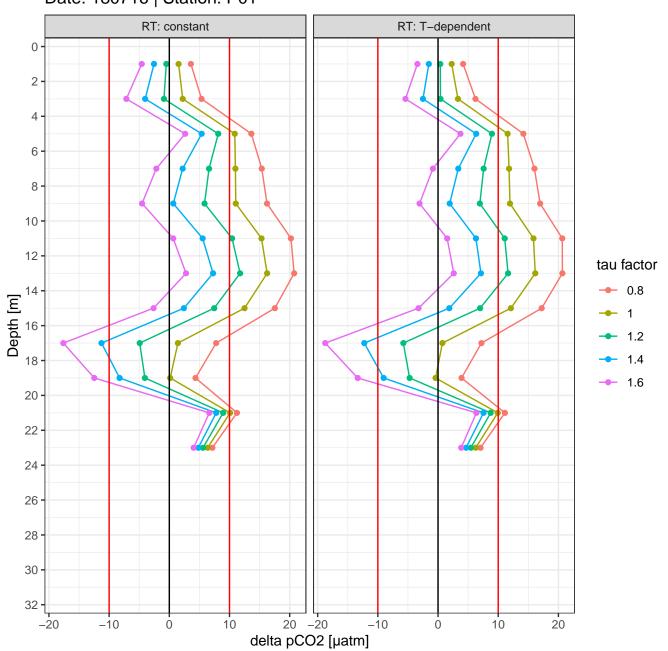


Date: 180710 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 1.6 10 -12 -14 -5 5 **-**5 -10 **-**5 -10 Ö 10 Ö 10 delta pCO2 [µatm]

Date: 180711 | Station: P14 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 -20 -20 Ö Ö

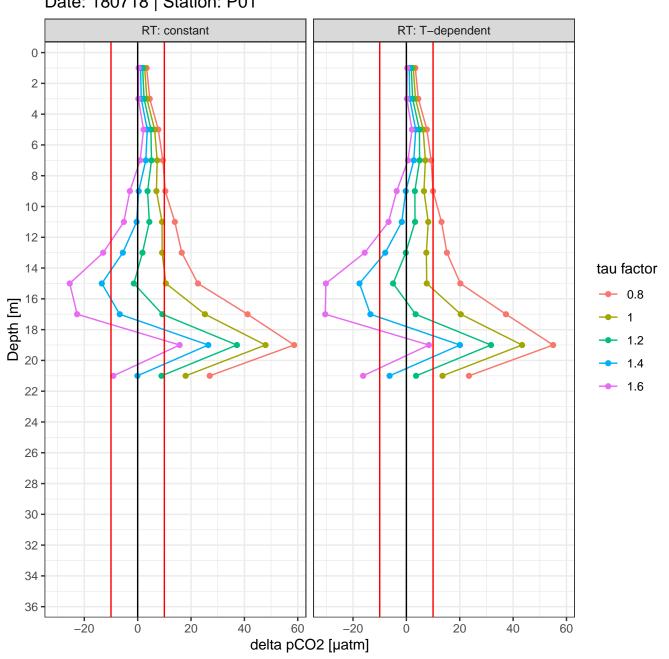
delta pCO2 [µatm]

Date: 180716 | Station: P01



Date: 180716 | Station: P14 RT: constant RT: T-dependent 2 -6 tau factor 0.8 Depth [m] 1.2 1.4 1.6 12 -14 -16 -10 -10Ö -10 Ö 10 delta pCO2 [µatm]

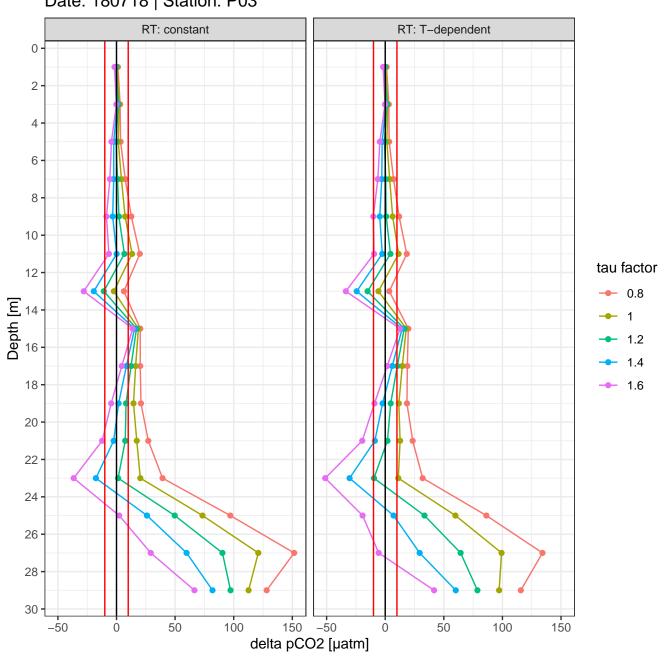
Date: 180718 | Station: P01



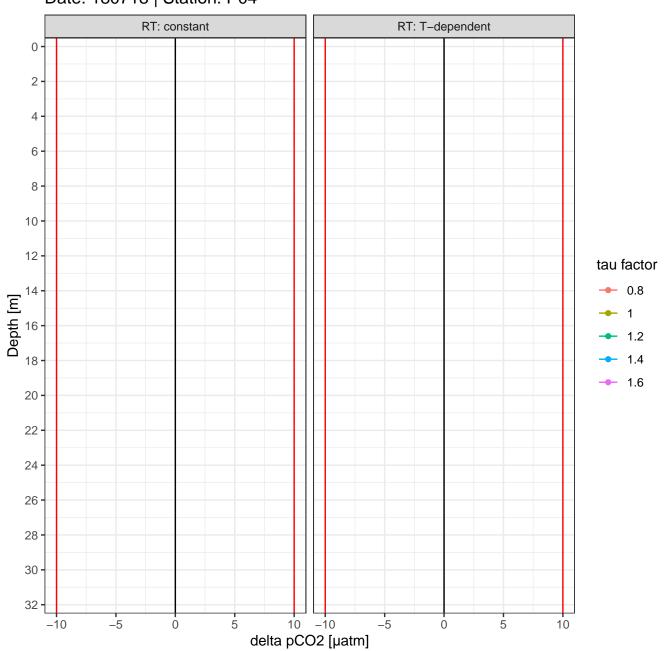
Date: 180718 | Station: P02 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau factor 0.8 Depth [m] 1.2 1.4 **1.6** 14 -16 -18 -20 -22 --30 -20 $-\dot{1}0$ -30 -20 0 10 -10 0 10

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

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delta pCO2 [µatm]

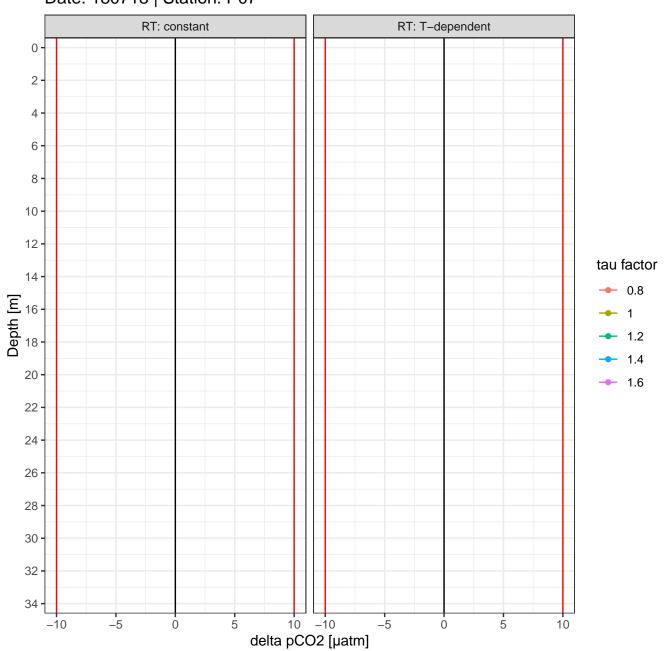
-10

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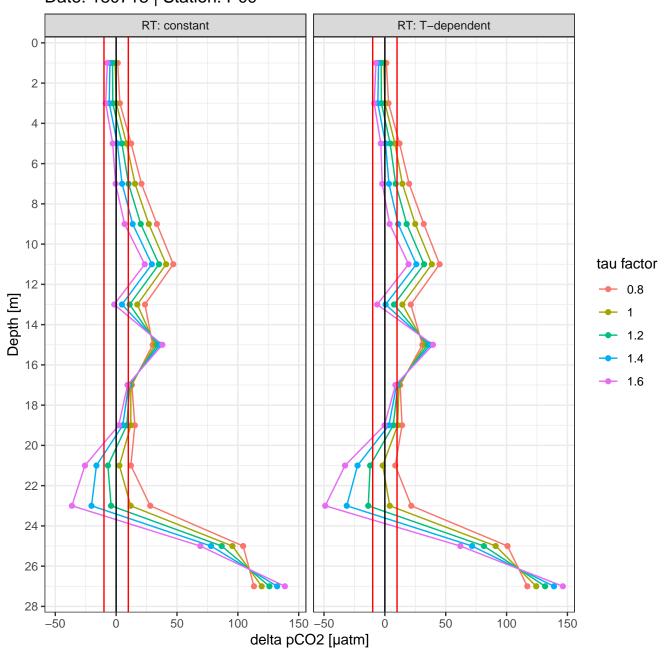
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Date: 180718 | Station: P08 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau factor 0.8 Depth [m] 1.2 1.4 **-** 1.6 16 -18 **-**20 -22 -24 -26 -20 -20 20 -20 -100 10 -10 0 10

delta pCO2 [µatm]



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]

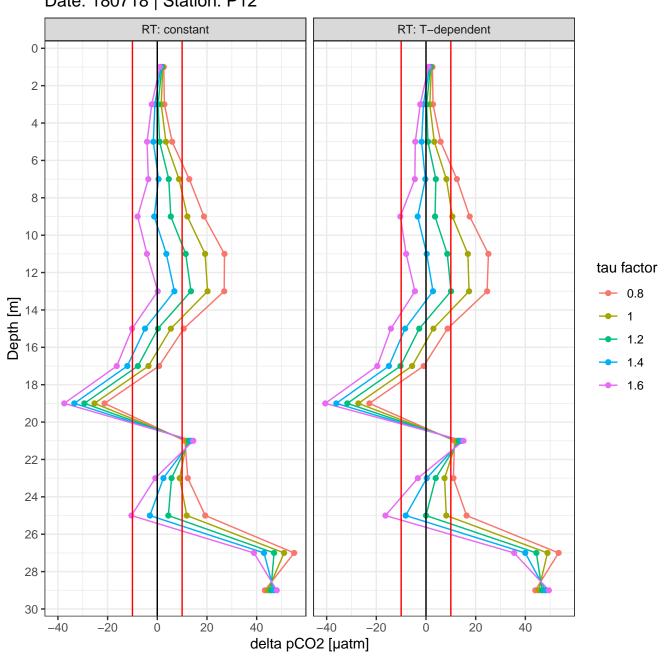
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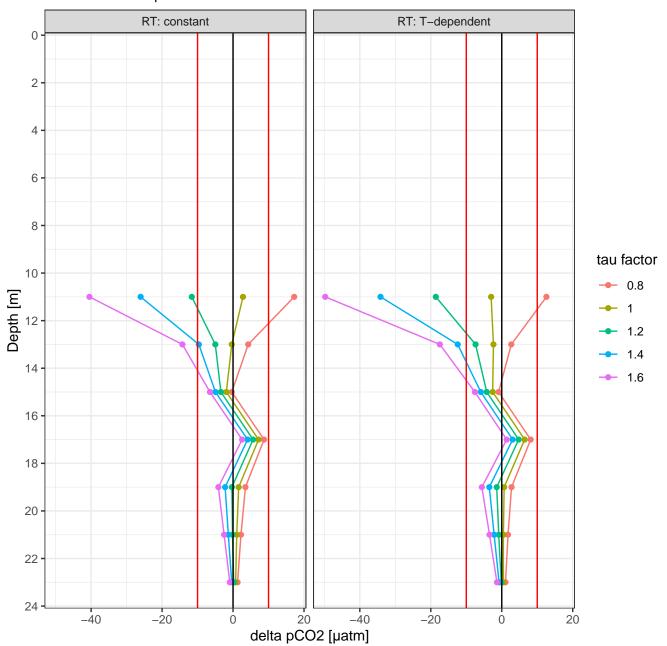
Date: 180718 | Station: P11 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 tau factor 8.0 Depth [m] 1.2 1.4 **-** 1.6 16 -18 **-**20 -22 -24 -26 -20 -10 -10 0 10 0 10 20 delta pCO2 [µatm]



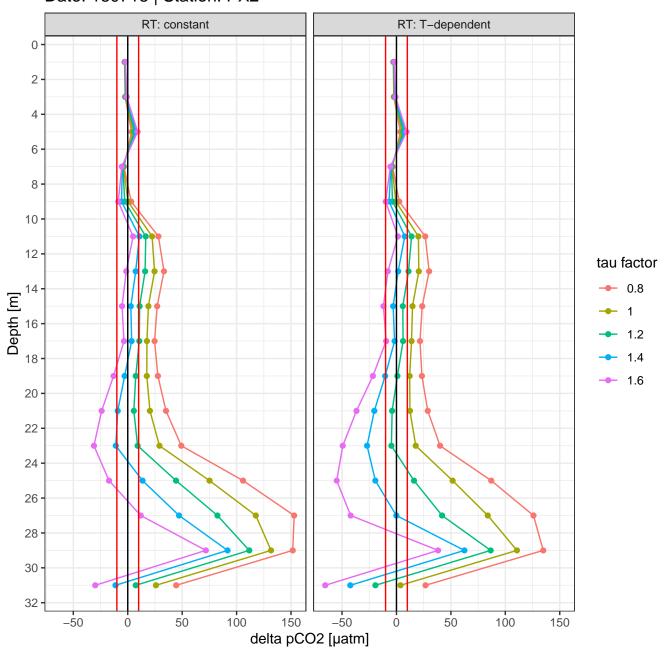
Date: 180718 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 **1.6** 12 -14 -16 -20 20 40 –20 -20 Ö 40

delta pCO2 [µatm]

Date: 180718 | Station: P06 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 -20 -100 10 -10 0 10 20 delta pCO2 [µatm]



Date: 180718 | Station: PX1 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 -30 20 20 -10 Ö 10 -10 Ö 10 30 delta pCO2 [µatm]



Date: 180720 | Station: P14 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 40 20 40 Ö Ö 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 -

-20

0

60

delta pCO2 [µatm]

20

40

60

26 -

28 -

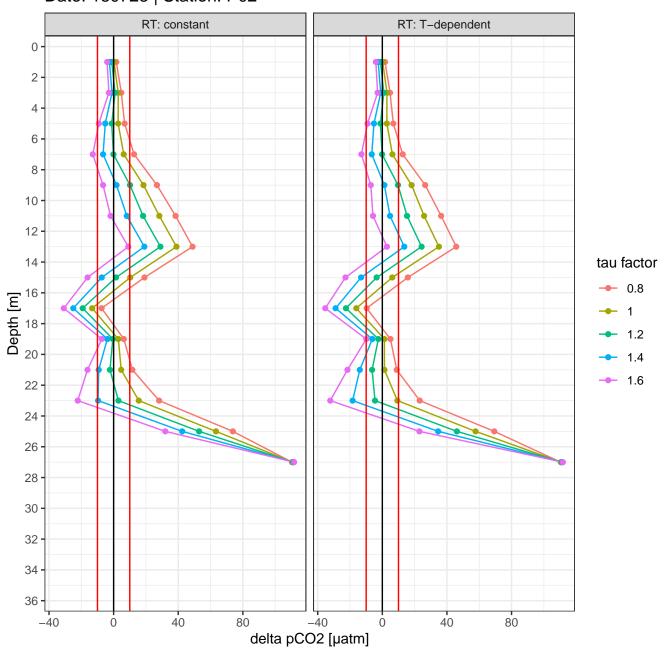
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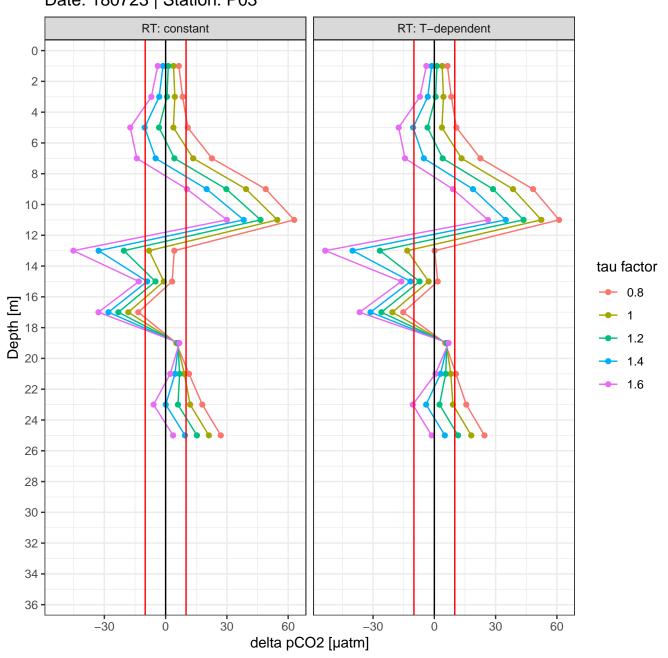
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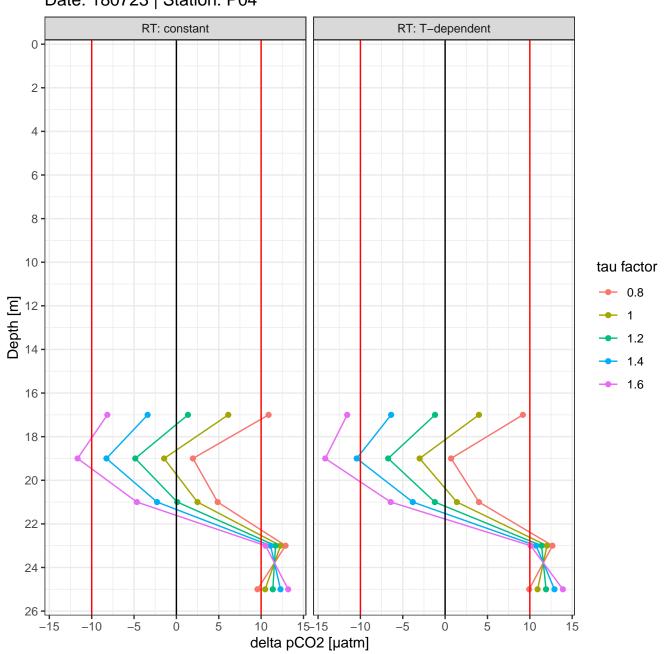
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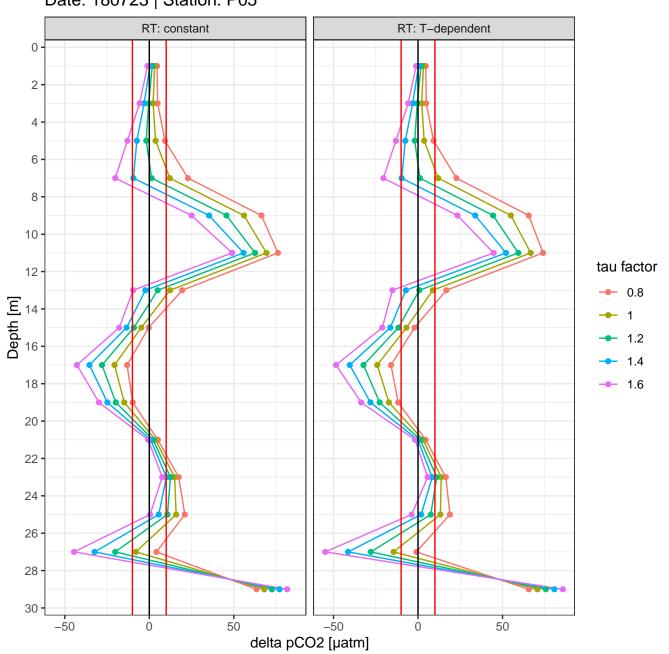
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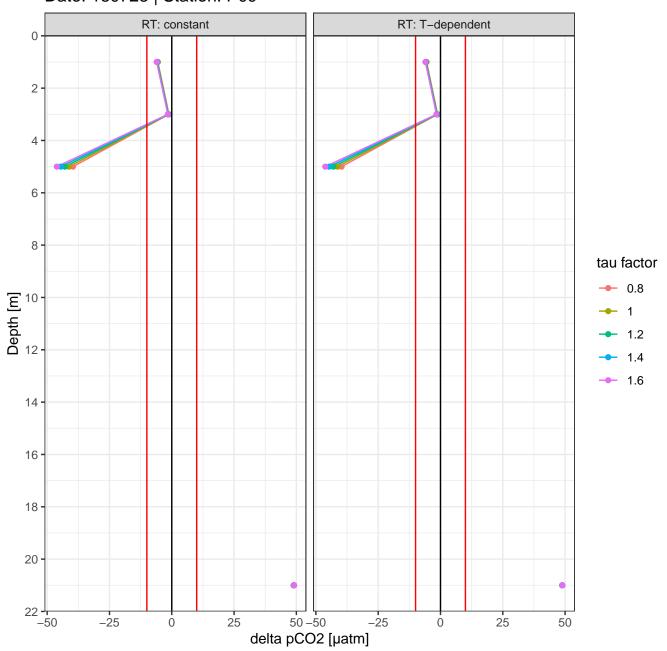






Date: 180723 | Station: P07 RT: constant RT: T-dependent 0 -2 -6 -8 -10 -12 tau factor 14 -• 0.8 Depth [m] 1.2 1.4 20 -**-** 1.6 22 -24 -26 -28 -30 -32 -34 -80-40 -40 0 40 40 80

delta pCO2 [µatm]



Date: 180723 | Station: 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 -

-20

Ö

60

delta pCO2 [µatm]

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60

34 -

-20

Ö

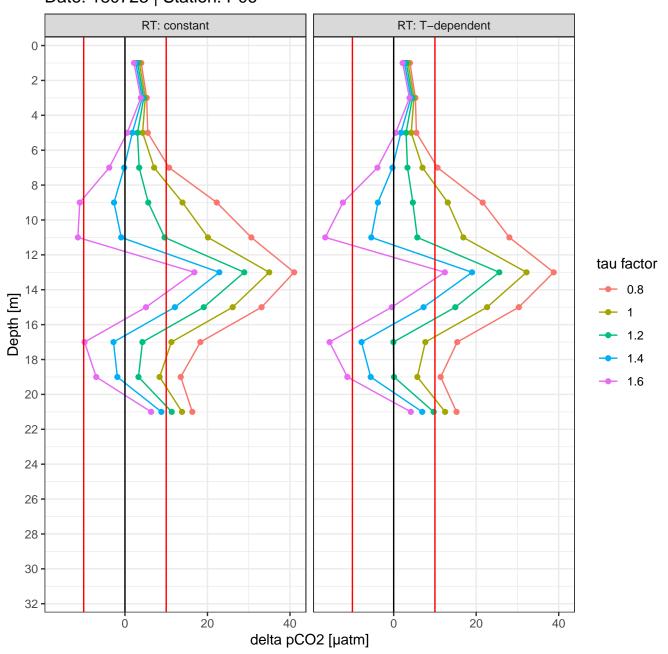
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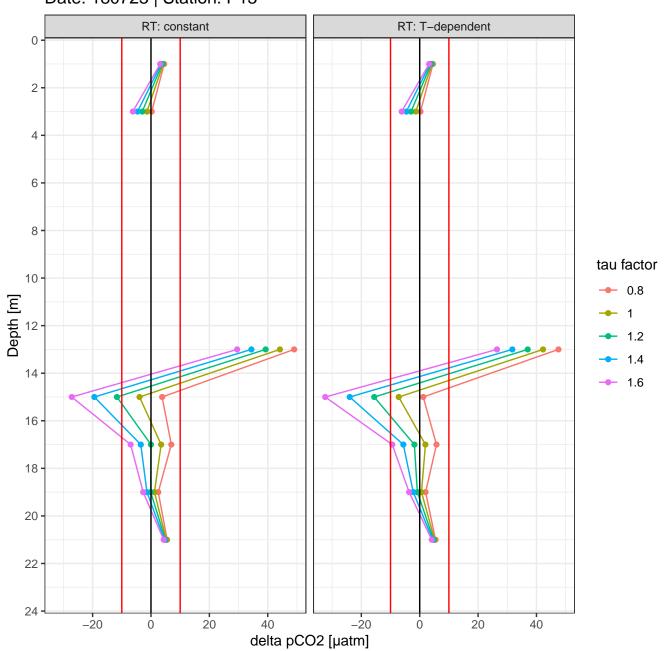
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Date: 180723 | Station: P11 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau factor 0.8 Depth [m] 1.2 1.4 1.6 14 -16 18 -20 -22 | | - -20 20 -20 20 Ö delta pCO2 [µatm]

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 0 delta pCO2 [µatm]

Date: 180723 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor • 0.8 Depth [m] 1.2 1.4 1.6 12 -14 -16 -20 40 20 40 Ö 60 60 delta pCO2 [µatm]





Date: 180725 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 **1.6** 12 -14 -16 --20 20 40 60 -20 20 40

delta pCO2 [µatm]

Ö

60

0

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 -

-25

delta pCO2 [µatm]

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50

26 -

-25

Ö

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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 0 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 -

-30

delta pCO2 [µatm]

-20

-10

10

0

26 -

-30

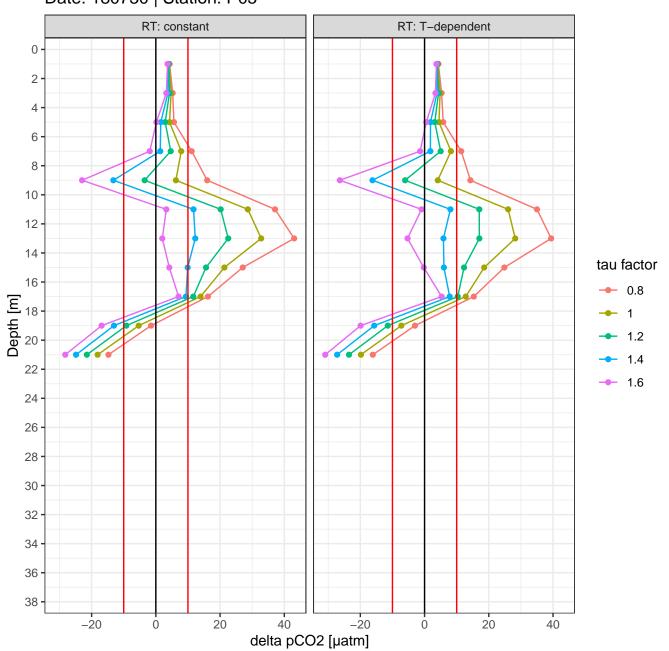
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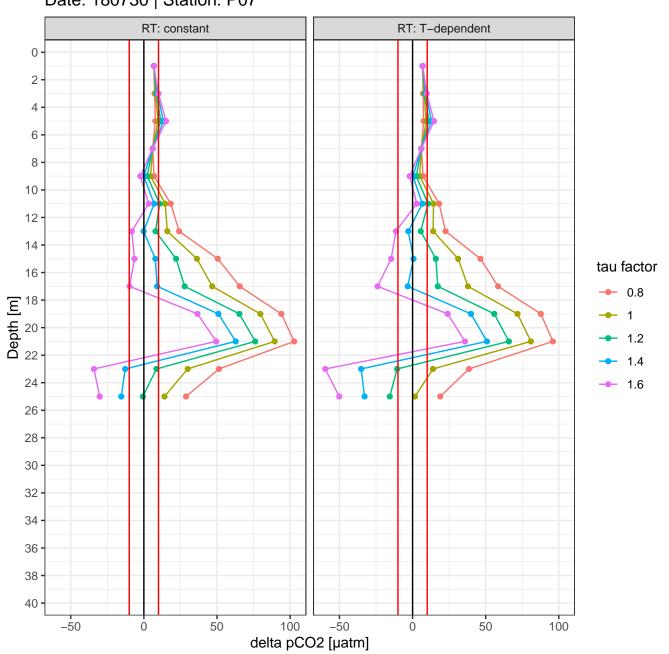
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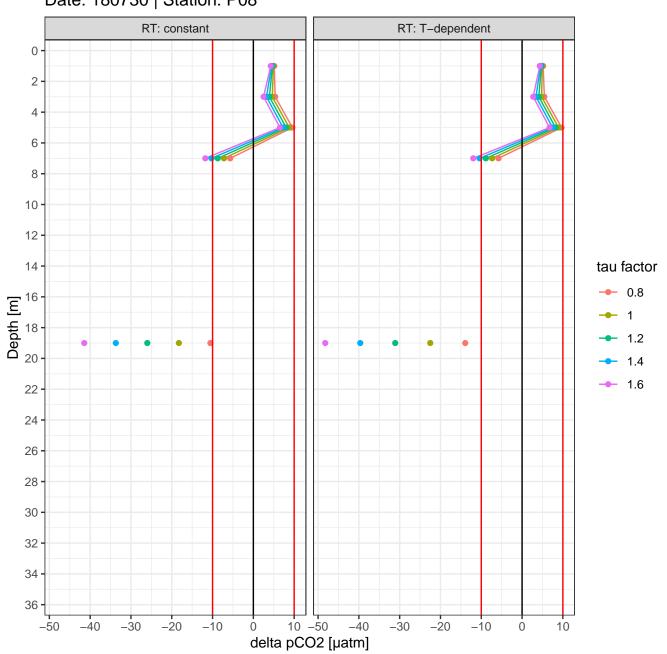
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Date: 180730 | Station: P04 RT: constant RT: T-dependent 0 2 -6 -8 -10 tau factor 0.8 Depth [m] 1.2 1.4 1.6 16 -18 **-**20 -22 -24 -26 -40 40 -40 40 delta pCO2 [µatm]



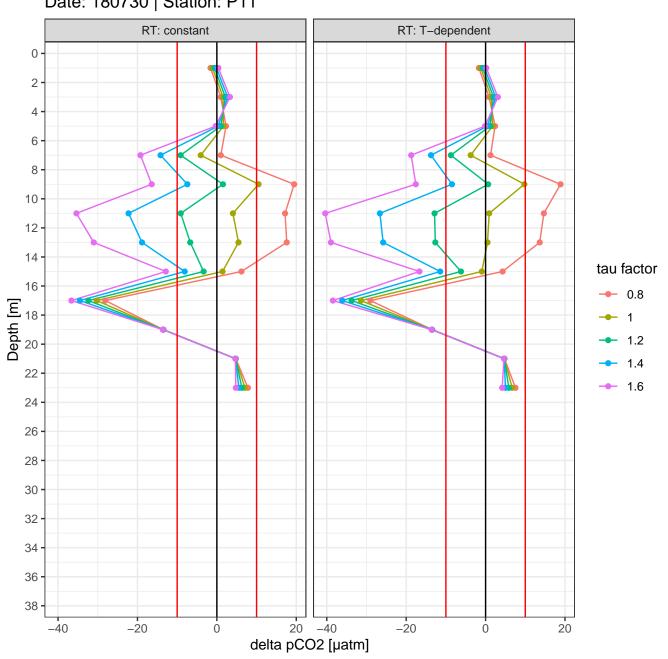


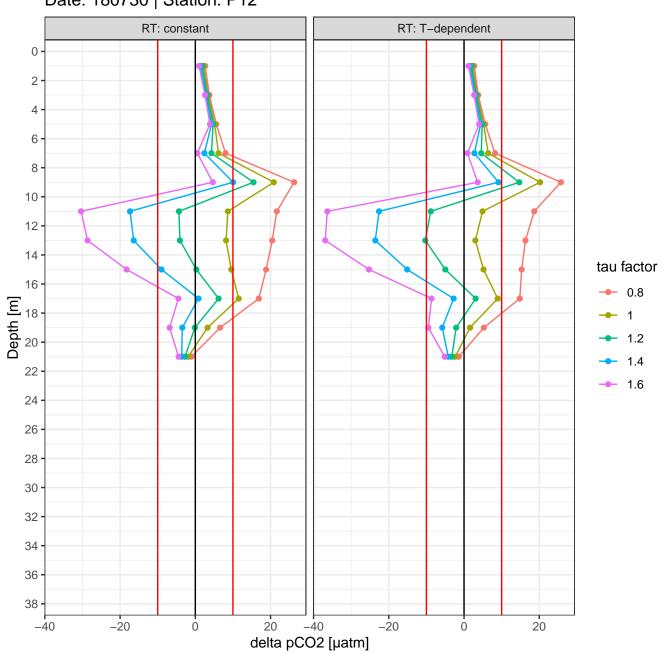


Date: 180730 | Station: P09 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau factor 10 -• 0.8 Depth [m] 1.2 1.4 14 -1.6 16 -18 -20 -22 -24 --25 25 -25 25 0 0 delta pCO2 [µatm]

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 30 20 -10 0 10 -100 10 30

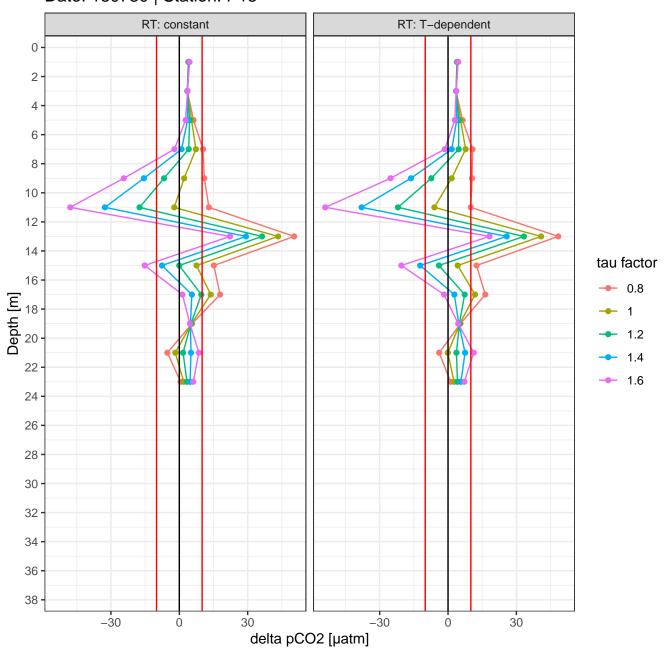
delta pCO2 [µatm]





Date: 180730 | Station: P14 RT: constant RT: T-dependent 2 -6 tau factor 0.8 Depth [m] 1.2 1.4 1.6 10 -12 -14 -Ö 20 40 20 40 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 40 20 -20 -20Ö Ö 40 delta pCO2 [µatm]



Date: 180731 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor Depth [m] 0.8 1.2 1.4 1.6 12 -14 -16 -20 -20 40 -20 20 40 Ö Ö

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 20 -40 -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

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10 -10

delta pCO2 [µatm]

-5

Ö

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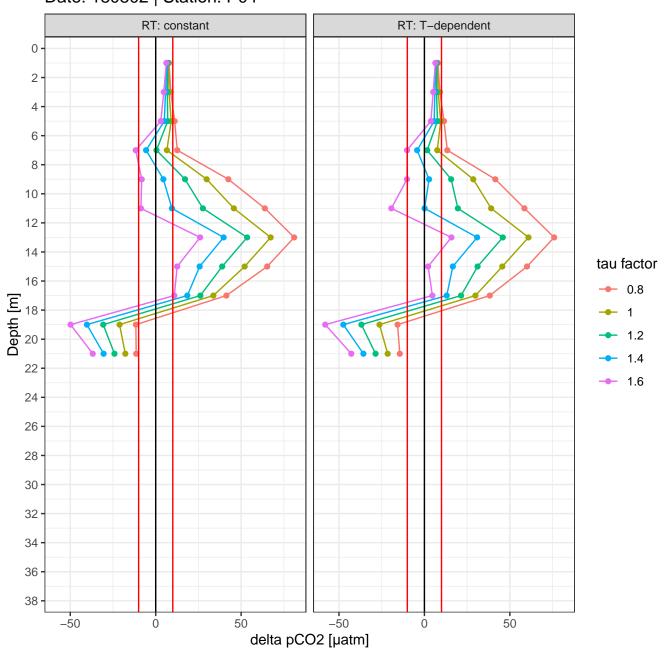
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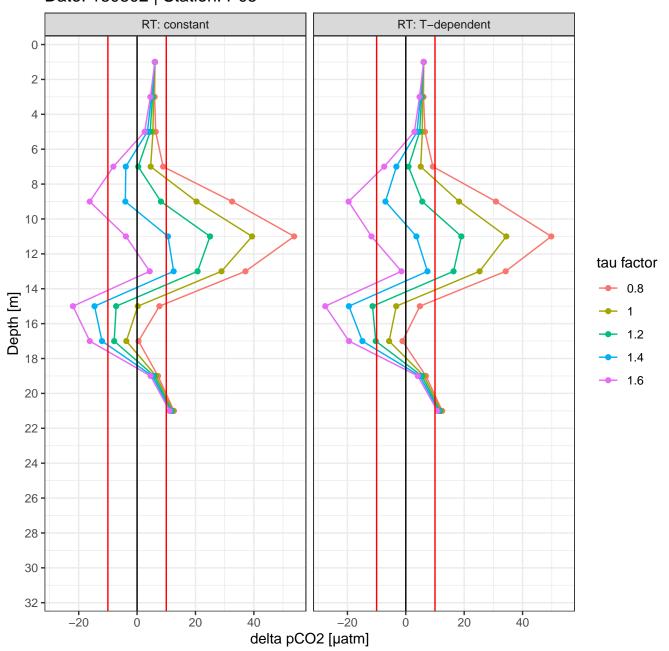
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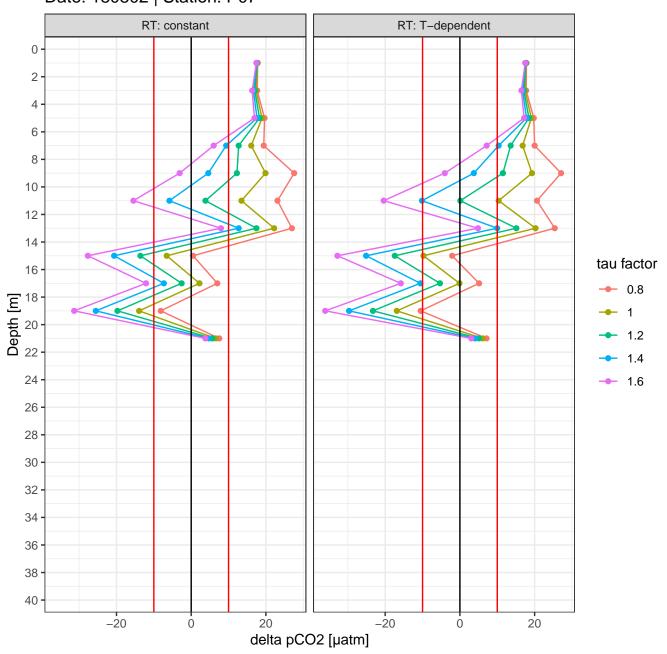
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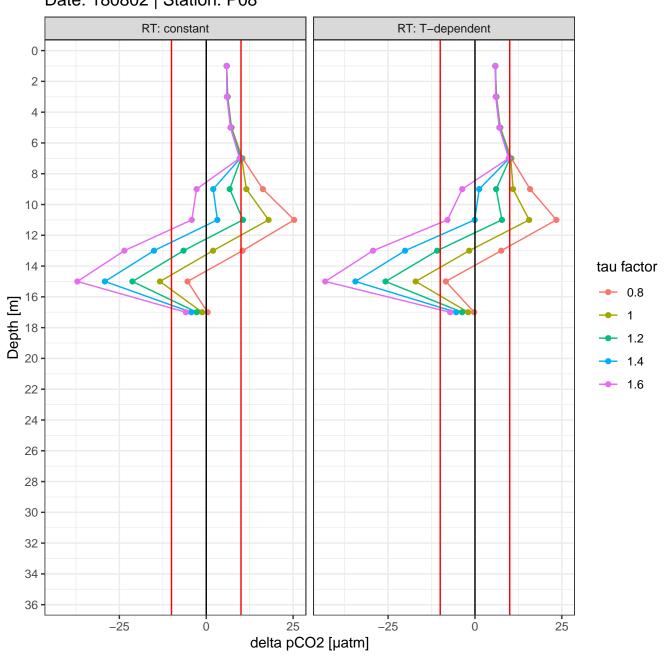
Ö

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 delta pCO2 [µatm]

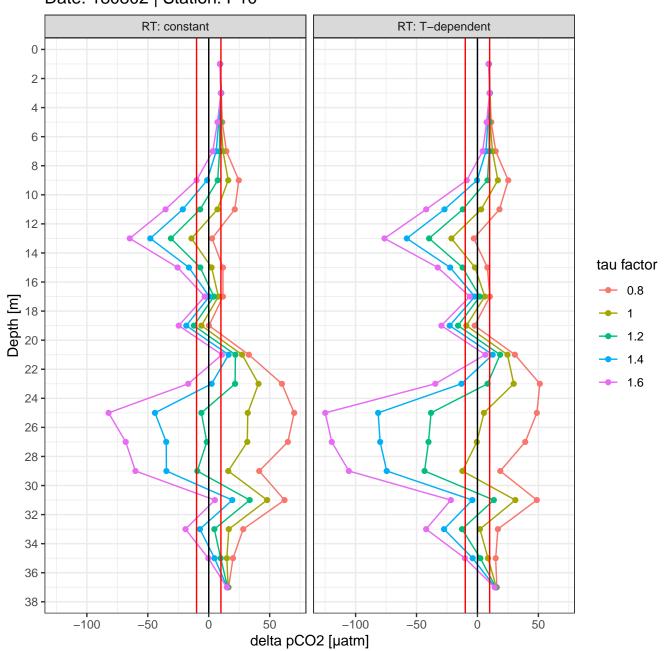








Date: 180802 | Station: P09 RT: constant RT: T-dependent 0 -2 -4 -6 -8 tau factor 10 -0.8 Depth [m] 1.2 1.4 14 -**1.6** 16 -18 -20 -22 -24 --20 20 -40 -20 20 -40 0 0 delta pCO2 [µatm]



Date: 180802 | Station: P11 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau factor Depth [m] 18-8.0 1.2 1.4 **1**.6 22 -24 -26 -28 -30 -32 -34 -36 -

-20

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delta pCO2 [µatm]

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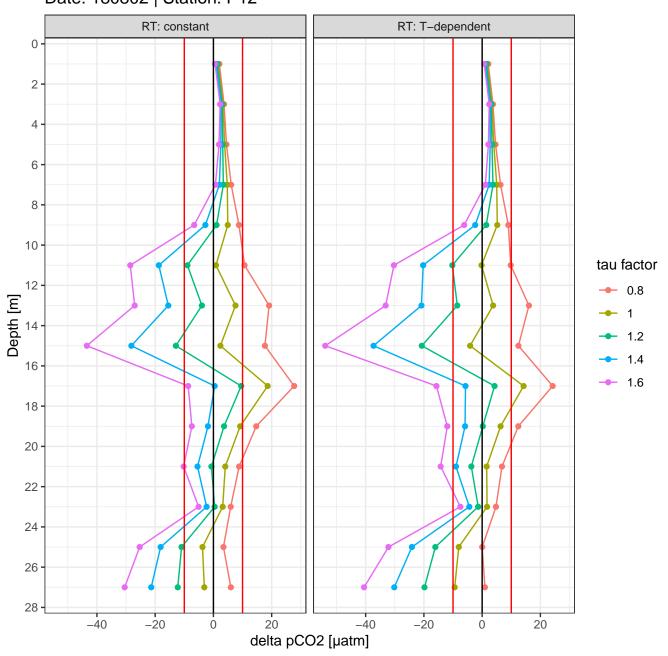
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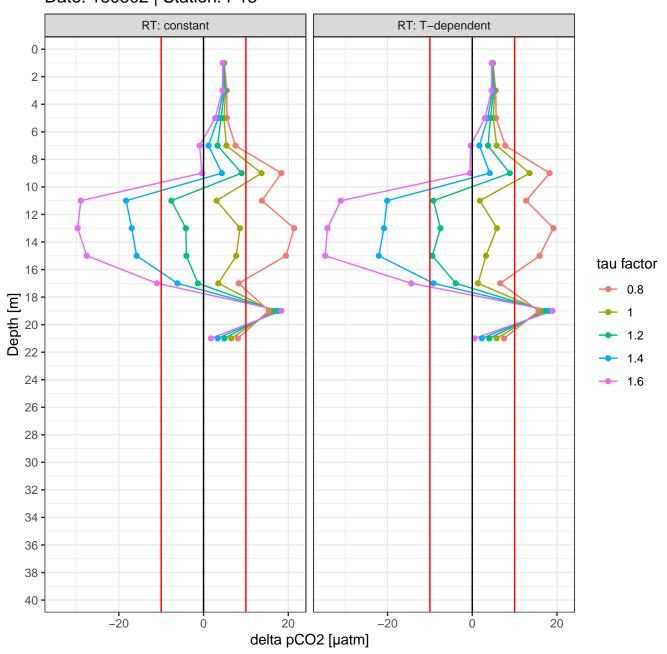
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Date: 180802 | Station: P12 RT: constant

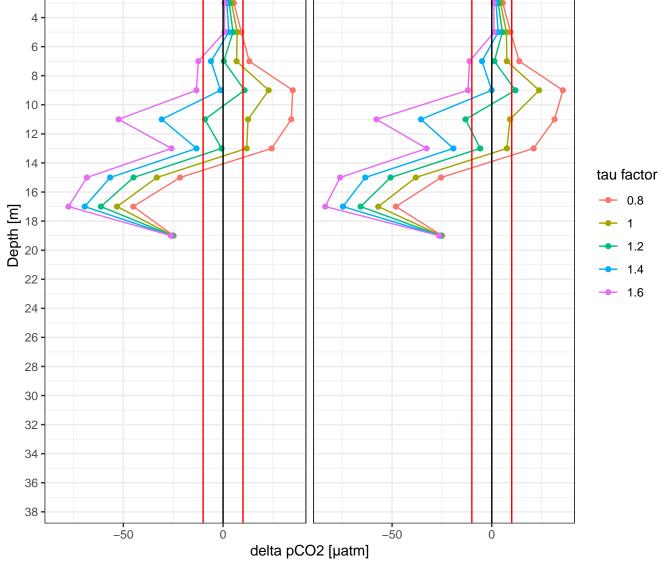


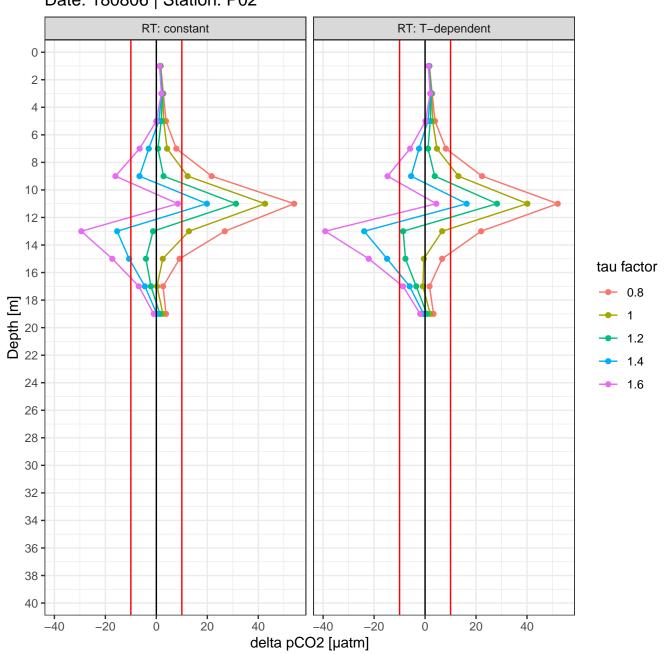
Date: 180802 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor • 0.8 Depth [m] 1.2 1.4 **1.6** 12 -14 -16 -30 -60 -30 60 -60 -30 30 60 delta pCO2 [µatm]

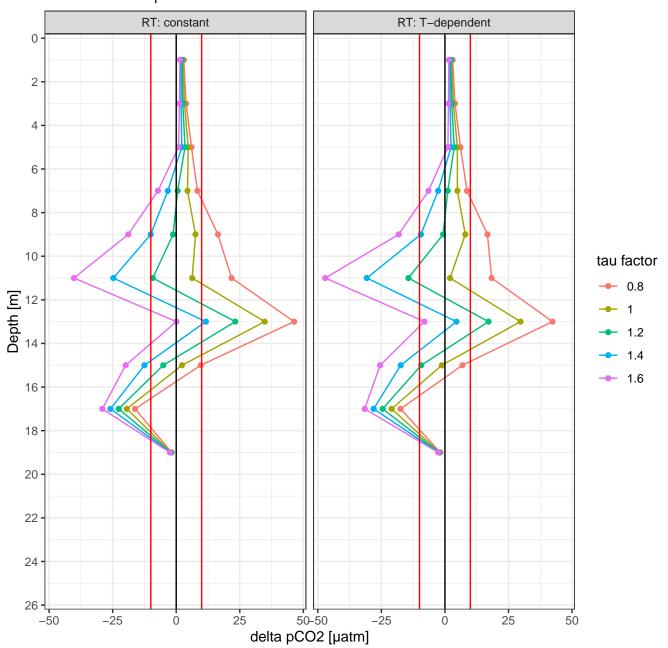
Date: 180802 | Station: P06 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau factor 0.8 Depth [m] 1.2 1.4 **1**.6 14 -16**-**18 -20 -22 -50 -25 25 -25 25 0 -50 0 delta pCO2 [µatm]



Date: 180806 | Station: P01 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14tau factor 16 -• 0.8 1.2 1.4 22 -- 1.6 24 -26 -28 -30 -32 -







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 -

25

50

34 -

36 -

-25

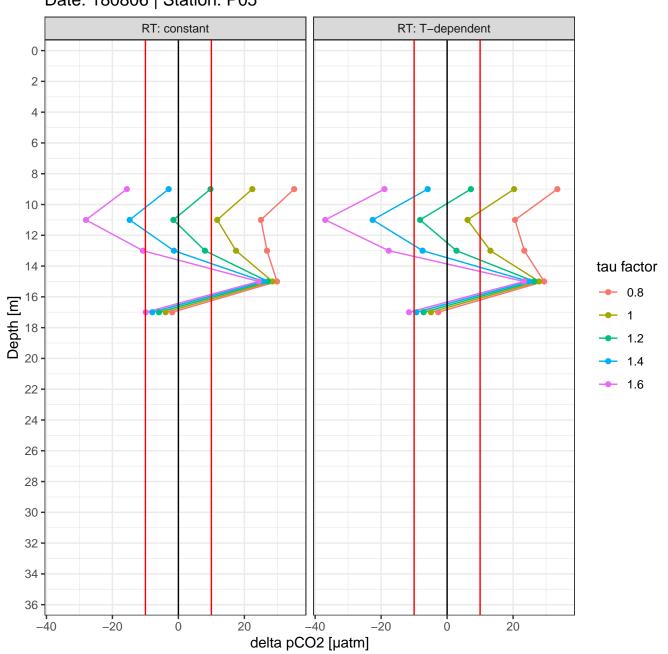
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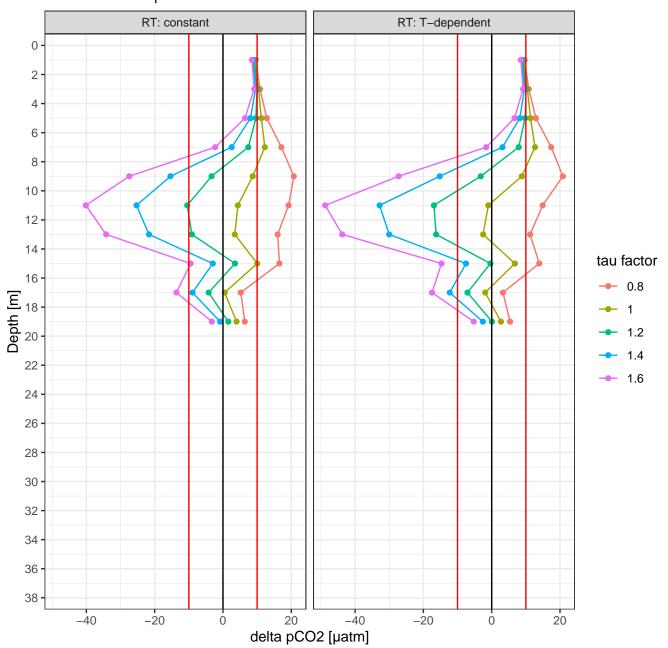
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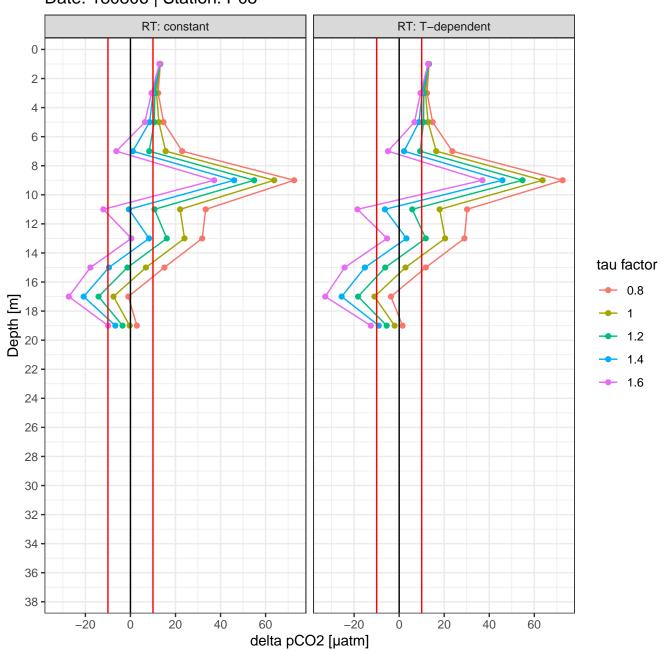
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-25

delta pCO2 [µatm]



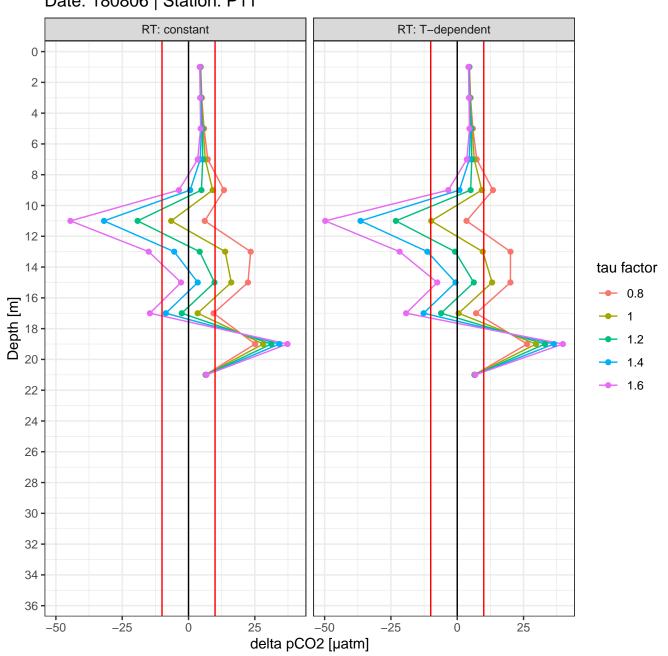


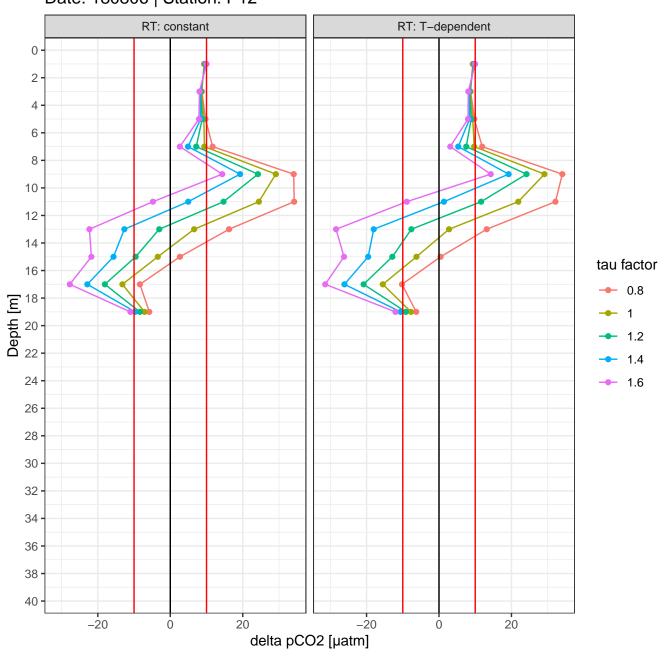


Date: 180806 | Station: P09 RT: constant RT: T-dependent 0 2 -4 -6 -8 tau factor 0.8 Depth [m] 1.2 1.4 **1.6** 14 -16**-**18 -20 -22 -75 -25 -75 -25 -50 -**5**0 0 delta pCO2 [µatm]

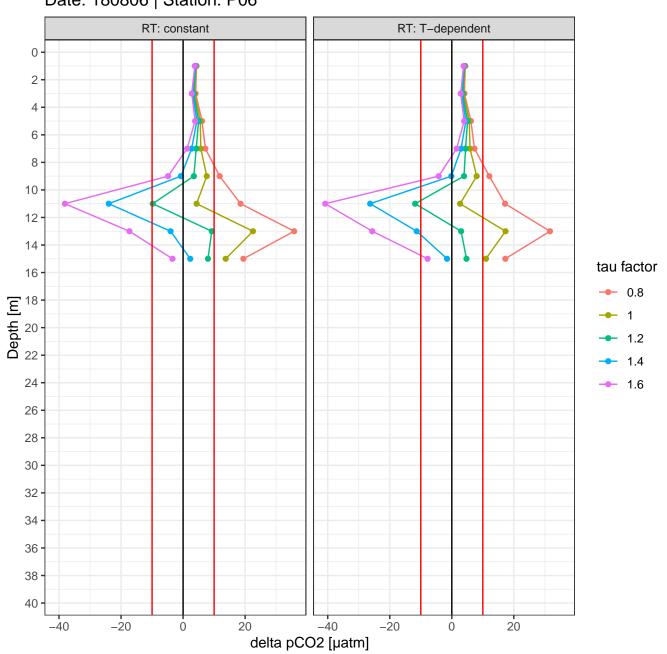
Date: 180806 | Station: P10 RT: constant RT: T-dependent 0 -2 -4 -6 -8 -10 -12 -14 tau factor Depth [m] 18-- 0.8 1.2 1.4 **-** 1.6 22 -24 -26 -28 -30 -32 -34 -36 --25 -50 -25 25 Ö -50 0 25

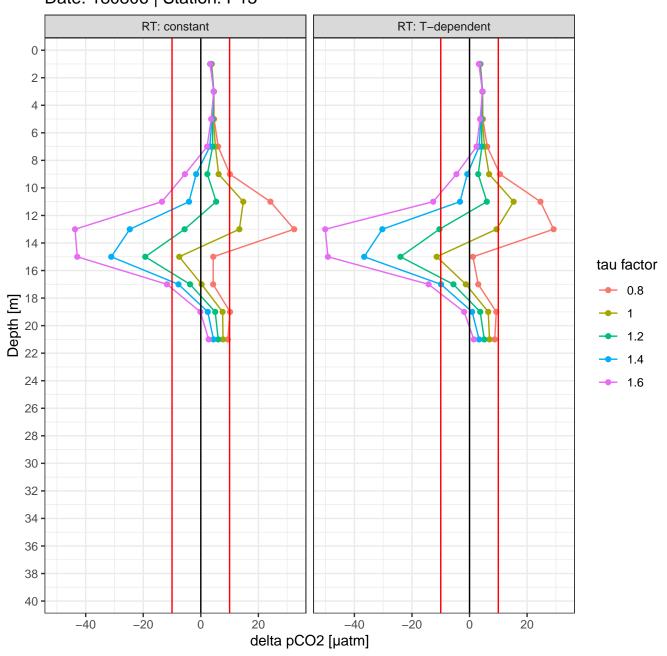
delta pCO2 [µatm]



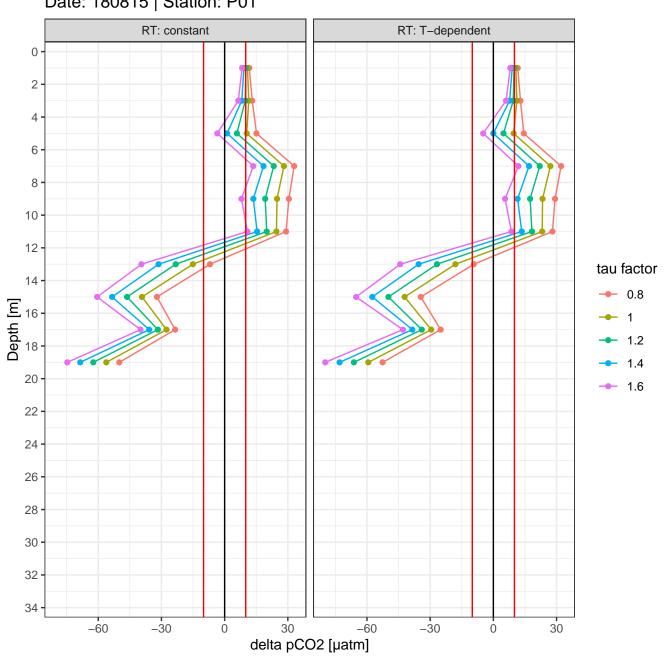


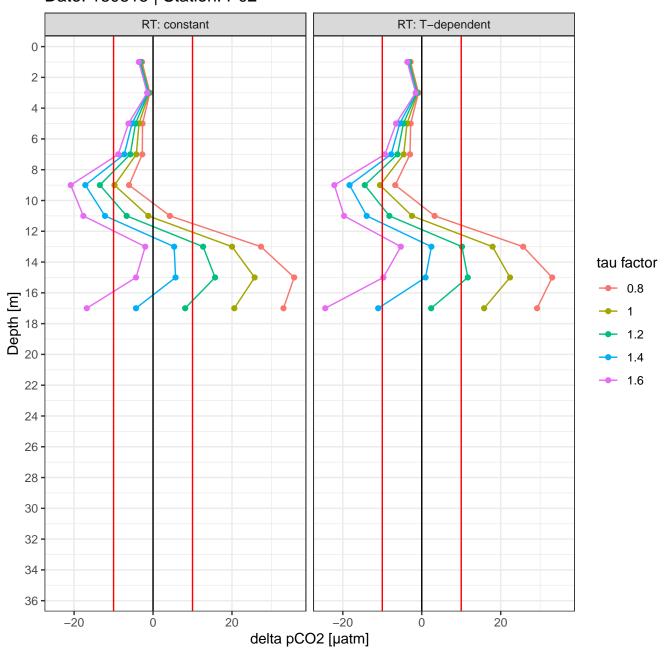
Date: 180806 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 8 -0.8 Depth [m] 1.2 1.4 1.6 12 -14 -16**-**18 -20 20 -20 -20 Ö delta pCO2 [µatm]

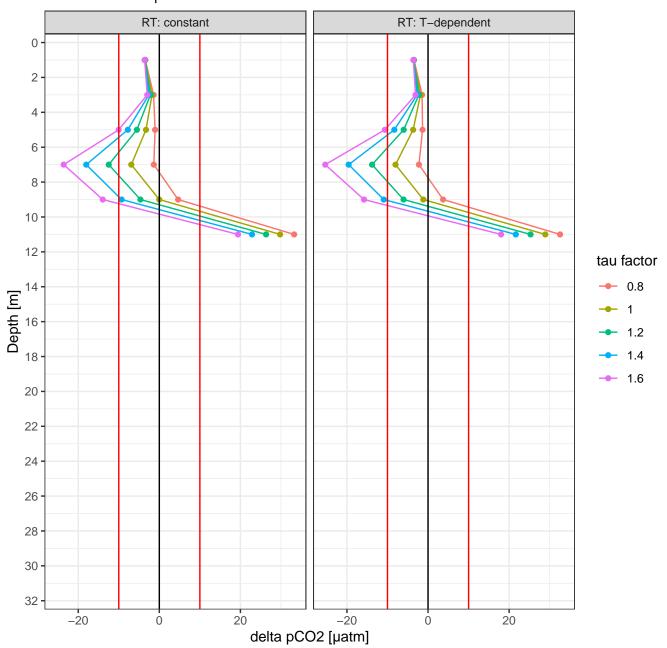


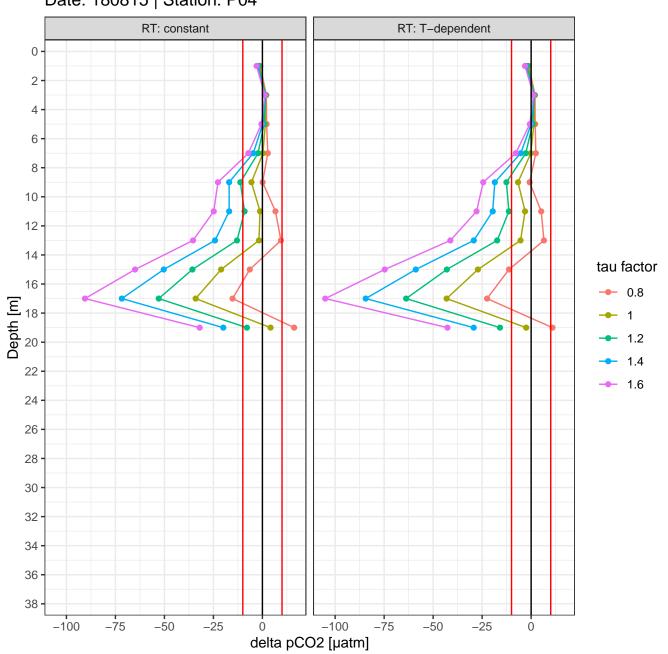


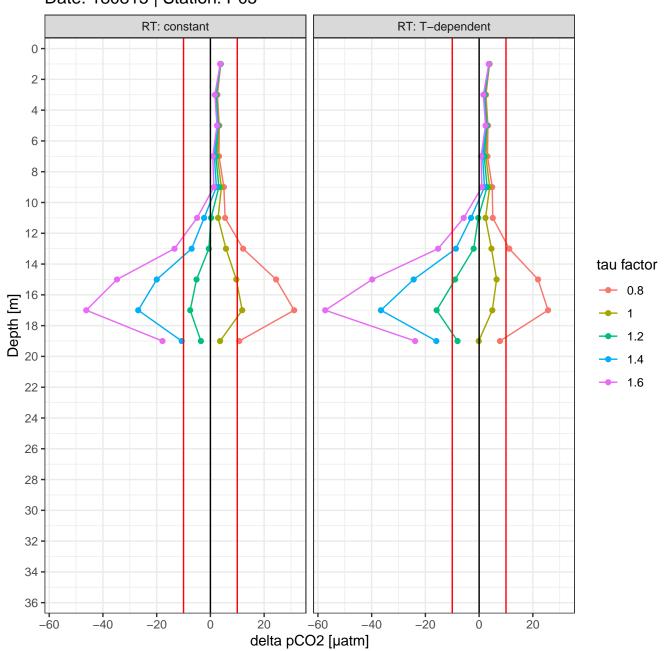
Date: 180807 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 **1**.6 10 -12 -14 --20 30 -20 -10 20 -100 10 20 0 10 30 delta pCO2 [µatm]

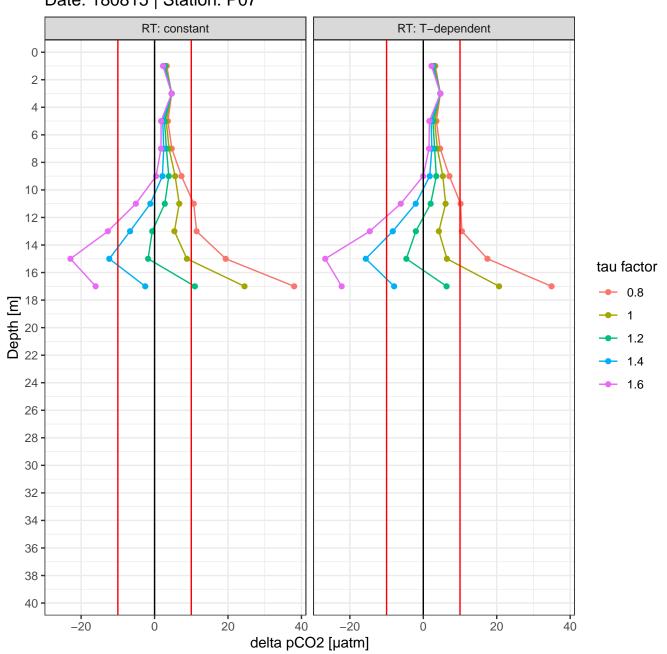


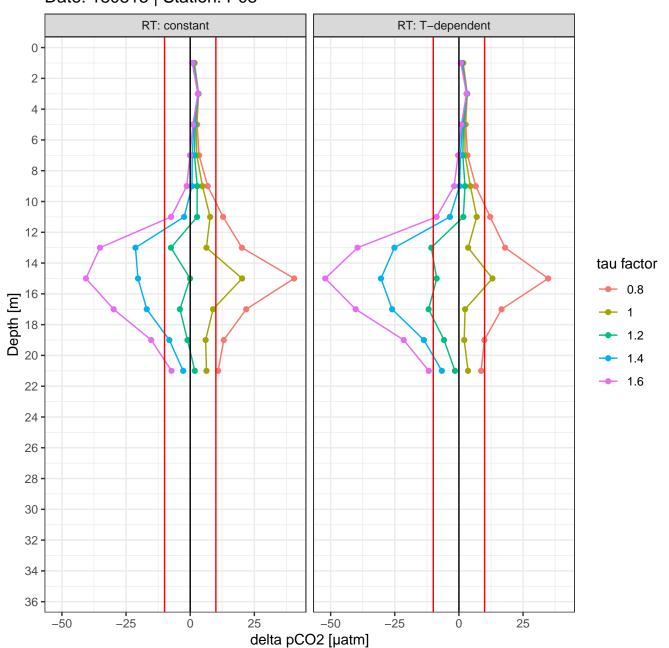




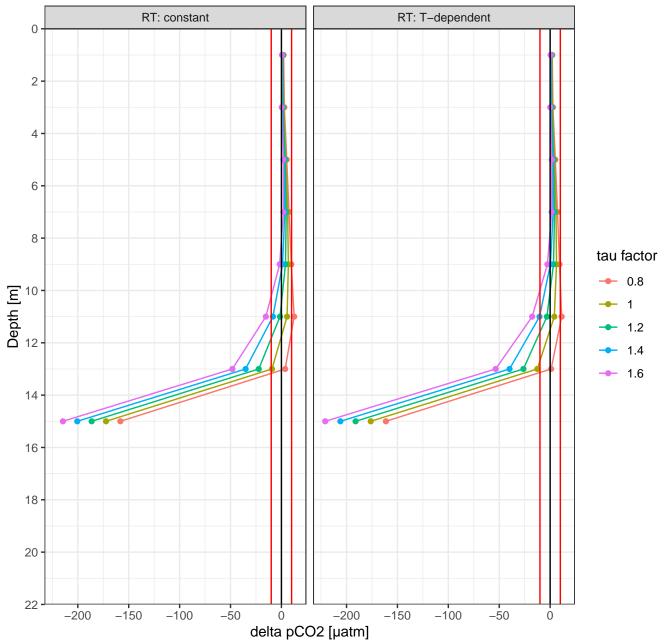


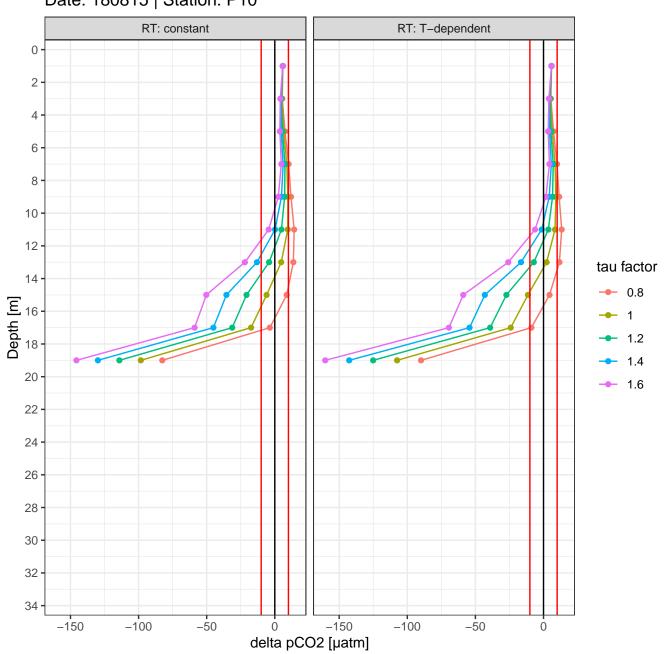


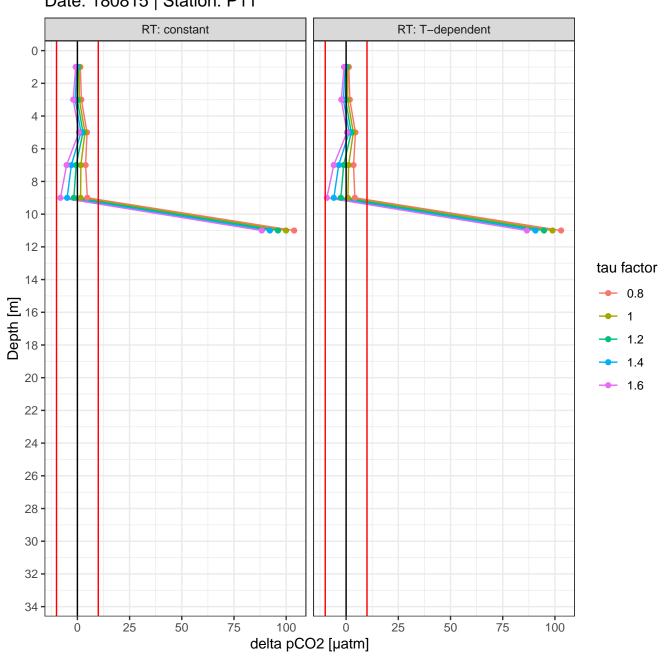


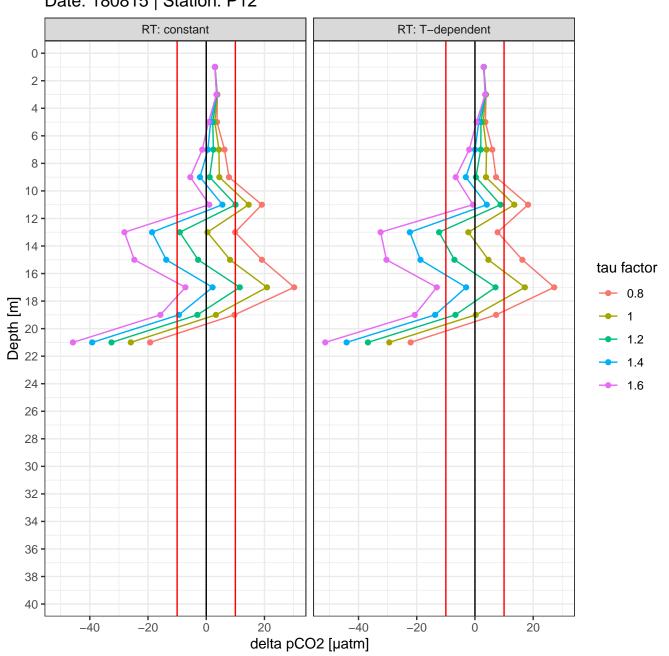


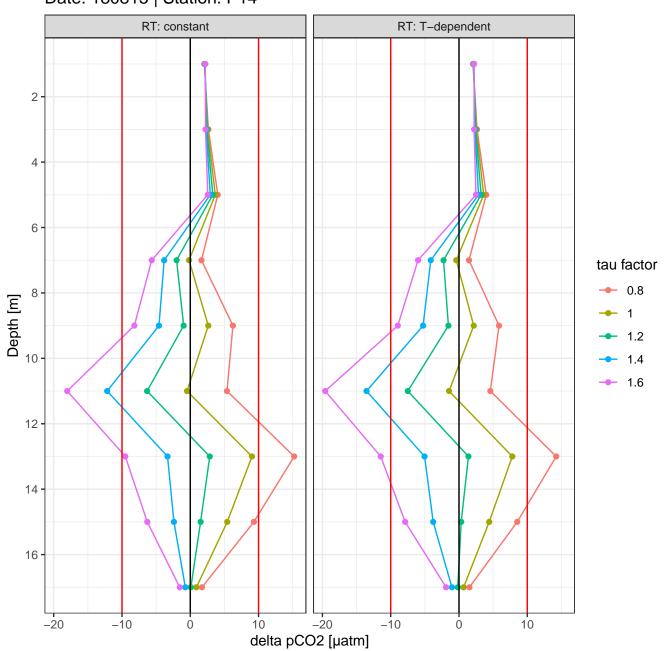
Date: 180815 | Station: P09 RT: constant RT: T-dependent 0 2 -4 -

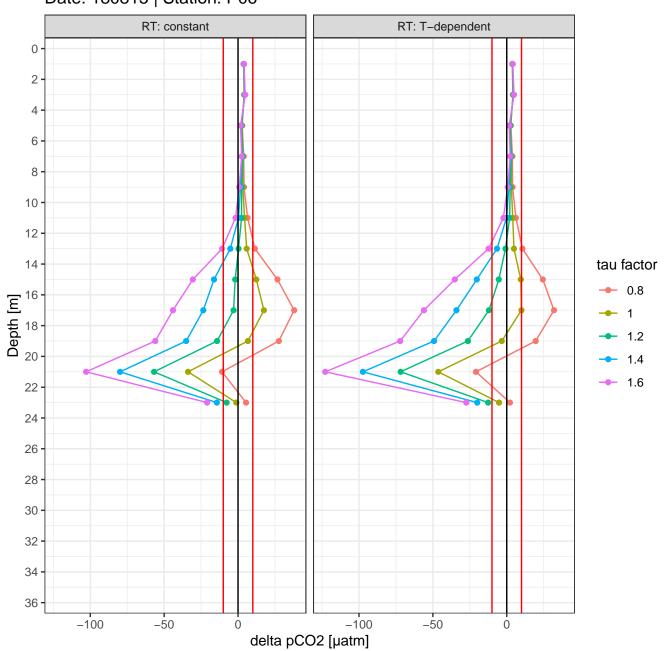


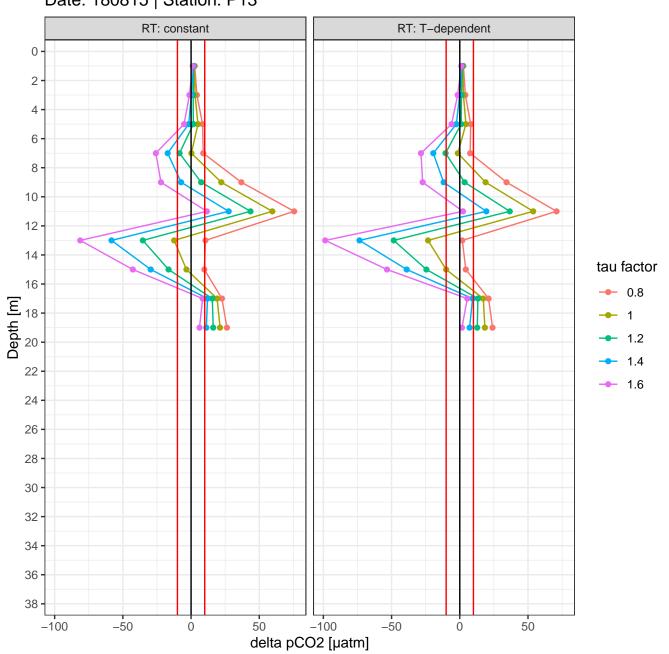




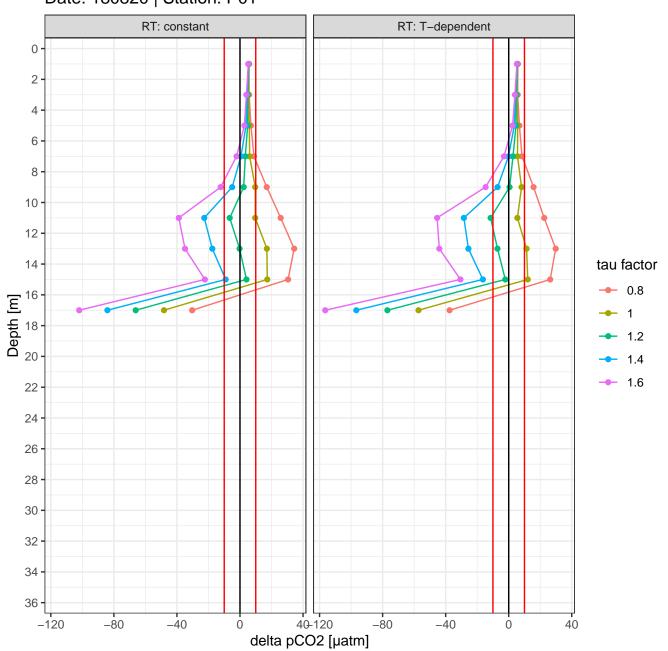






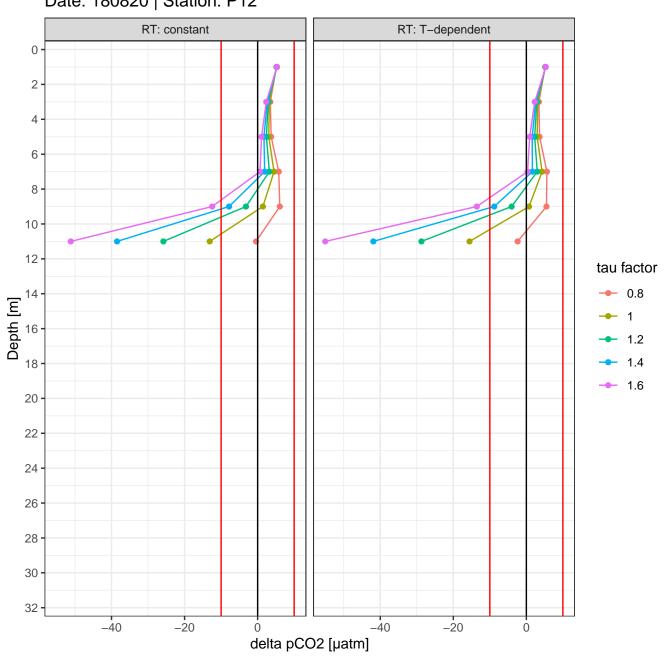


Date: 180816 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 1.6 12 -14 -16 --20 -20 20 20 -40 -40 Ö Ö delta pCO2 [µatm]



Date: 180820 | Station: P11 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 --200 -300 -100 -300 -200 -100

delta pCO2 [µatm]



Date: 180820 | Station: P14 RT: constant RT: T-dependent 2 -4 -6 tau factor 0.8 Depth [m] 1.2 1.4 1.6 10 -12 -14 -25 -50 -25 25 -25 -**5**0 Ö Ö delta pCO2 [µatm]

