Date: 180705 | Station: P01 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 120 120 100 100 80 down

Date: 180705 | Station: P02 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

200

100

400

300

Depth [m]

200

100

400

down

300

250

200

150

Depth [m]

200

150

100

250

100

down

Date: 180705 | Station: P04 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

500

Depth [m]

200

100

400

500

200

100

down

300

400

300

Date: 180705 | Station: P10 RT: constant RT: T-dependent 0.0466802446880246880248802488024888024888024888024880248802488024880248802488024888024888024880024880024880004880004880004880004880004880004880004880004880004880004880004880004880004880 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 200 400 400 600 200 600 down

Date: 180709 | Station: P05 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 20 22 24 26 28 30 200 200 175 75 100 175 100 125 150 125 150 down

Date: 180709 | Station: P08 RT: constant RT: T-dependent 0 2 4 6 8 tau\_factor: 0.8 10 -12 -14 -16-18 20 -22 -24 0 2 4 6 8 tau\_factor: 1 10 -12 -14 -16 18 **-**22 -24 0 2 cast Depth [m] down tau\_factor: 1.2 ---- up correction 16 18 pCO2 20 pCO2\_RT\_mean 22 24 0 2 **-**4 **-**6 **-**8 tau\_factor: 1.4 10 -12 -14 -16 18 -20 -22 · 24 0 2 4 6 8 tau\_factor: 1.6 10 12 -14 -16 -18 -20 22 -24 175 175 125 150 100 150 100 125 down

Date: 180709 | Station: P10 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 300 500 300 200 100 200 400 500 400 100 down

Date: 180709 | Station: P11 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 300 200 150 200 250 100 150 250 300 100

down

Date: 180709 | Station: P12 RT: T-dependent RT: constant tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

160

down

140

80

120

100

80

100

120

140

160

Date: 180709 | Station: P06 RT: constant RT: T-dependent 0 4 6 8 10 12 14 16 18 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 16 18 20 22 24 26 28 30 160 160 200 80 120 200 120 down

Date: 180709 | Station: P13 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 120 150 90 120 150 90 down

Date: 180716 | Station: P01 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

down

200

400

400

200

600

Depth [m]

Date: 180718 | Station: P01 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 400 400 600 200 200 down

600

400

200

Depth [m]

400

200

600

down

Date: 180718 | Station: P04 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

400

Depth [m]

200

400

600

down

200

175 75

down

Depth [m]

Date: 180718 | Station: P07 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

400

200

600

down

400

200

Depth [m]

100

down

400

200

300

400

100

Date: 180718 | Station: P10 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

400

600

800

200

400

800

down

600

200

Date: 180718 | Station: P12 RT: constant RT: T-dependent 0 2 4 6 8 10 12 14 16 18 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 20 22 24 26 28 30

300

down

100

150

200

250

300

200

100

150

250

Depth [m]

down

Date: 180723 | Station: P01 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 500 600 400 100 300 300 400 500 600 100 200 200 down

Date: 180723 | Station: P02 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 400 200 200

Date: 180723 | Station: P03 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 200 400 200 down

22 -24 -26 -

down

Date: 180723 | Station: P05 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

200

100

down

300

300

200

100

Depth [m]

Date: 180723 | Station: P07 RT: constant RT: T-dependent 02468012146802246803334 02468012146802246803334 0246801214680246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 02468012146802468012146802468012146802468012146802468012146802468012146802468012146802468012146801468012146801214680121468 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

800

400

600

200

400

800

down

200

Depth [m]

Date: 180723 | Station: P10 RT: constant RT: T-dependent 02468012146802246803334 02468012146802246803334 0246801214680246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 02468012146802468012146802468012146802468012146802468012146802468012146802468012146802468012146801468012146801214680121468 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

Depth [m]

400

200

800

down

600

400

200

600

800

Date: 180723 | Station: P06 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 400 200 200

22 <del>-</del> 24 <del>-</del> 

Date: 180730 | Station: P03 RT: constant RT: T-dependent 0 2 4 6 8 10 tau\_factor: 0.8 12 14 16 · 18 · 20 · 22 · 24 · 26 · 6 · 8 · 10 · 12 · 14 · tau\_factor: 1 16 18 20 - 22 - 24 - 26 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 0 - 2 - 4 - 6 - 8 - 8 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 10 12 14 16 18 20 22 · 24 · 26 · 2 · 4 · 6 · 8 · 10 · 12 · 14 · tau\_factor: 1.6 16 18 20 22 24 26 200 300 300 400 100 100 200 400 down

Date: 180730 | Station: P05 RT: constant RT: T-dependent 0.0466802446880246880248802488024888024888024888024880248802488024880248802488024888024888024880024880024880004880004880004880004880004880004880004880004880004880004880004880004880004880 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 800 800 400 600 200 200 400 down

Date: 180730 | Station: P07 RT: constant RT: T-dependent 0044600074600074600007460007460000746000746000746000746000746000746000074600007460000746000746000074600074000740007400074000740007400074000740007400074000074000074000074000740 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 100 600 500 200 300 500 100 200 300 400 400 down

Date: 180730 | Station: P08 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 400 200 200 down

Date: 180730 | Station: P10 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 400

200

Date: 180730 | Station: P11 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 400 200 200 down

Date: 180730 | Station: P12 RT: constant RT: T-dependent 0.0466802446880246880248802488024888024888024888024880248802488024880248802488024888024888024880024880024880004880004880004880004880004880004880004880004880004880004880004880004880004880 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 400 600 800 400 600 200 200 800 down

Date: 180730 | Station: P06 RT: constant RT: T-dependent 2 -4 6 tau\_factor: 0.8 8 10 -12 -14 -16-18 2 4 · 6 tau\_factor: 1 8 10 -12 -14 -16 -18 -2 cast 4 down 6 Depth [m] tau\_factor: 1.2 -- up correction 14 pCO2 16 pCO2\_RT\_mean 18 2 4 6 tau\_factor: 1.4 8 -10 -12 -14 -16 **-**18 2 4 6 tau\_factor: 1.6 8 10 -12 -14 -16 -18 250 250 100 100 200 150 150 200 down

Date: 180730 | Station: P13 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 400 600 200 200 400 down

Date: 180802 | Station: P04 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 800 200 200 400 400 600 800 down

Date: 180802 | Station: P05 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 400 400 600 600 200 200 down

Date: 180802 | Station: P07 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 400 400 600 200 200 down

Date: 180802 | Station: P08 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 100 500 100 500 200 300 400 200 300 400 down

Date: 180802 | Station: P10 RT: constant RT: T-dependent 0.0466802446880246880248802488024888024888024888024880248802488024880248802488024888024888024880024880024880004880004880004880004880004880004880004880004880004880004880004880004880004880 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 400 200 600 200 400

Date: 180802 | Station: P11 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

400

200

600

down

400

200

300

200

400

300

200

100

400

100

down

Date: 180802 | Station: P13 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

400

200

800

down

200

600

800

400

Date: 180806 | Station: P01 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 750 500 250 500 750 250 down

Date: 180806 | Station: P02 RT: constant RT: T-dependent 0044600074600074600007460007460000746000746000746000746000746000746000074600007460000746000746000074600074000740007400074000740007400074000740007400074000074000074000740007400 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 800 800 200 400 600 600 200 400 down

Date: 180806 | Station: P04 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 800 600

600

200

400

800

down

200

400

Date: 180806 | Station: P05 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 200 400 down

Date: 180806 | Station: P07 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 400 200 down

Date: 180806 | Station: P08 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 400 600 200 400 200 down

Date: 180806 | Station: P10 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 200 400 down

Date: 180806 | Station: P11 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 800 800 200 400 200 400 down

Date: 180806 | Station: P12 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

200

400

800

down

400

200

600

800

Date: 180806 | Station: P06 RT: constant RT: T-dependent 0.0446800.044600.044600.044600.044600.044600.044600.04000.044600.044000.044000.044600.044600.044000.044000.044000.0440 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 200 400 down

Date: 180806 | Station: P13 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 750 1000 7**5**0 1000 1250 250 500 250 500 1250 down

Date: 180815 | Station: P01 RT: constant RT: T-dependent 02468012146802246803334 02468012146802246803334 0246801214680246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 02468012146802468012146802468012146802468012146802468012146802468012146802468012146802468012146801468012146801214680121468 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 400 200 200 down

Date: 180815 | Station: P02 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

800

400

600

800

down

200

400

200

Date: 180815 | Station: P03 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 200 400 200

down

Date: 180815 | Station: P04 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 800 600 600 800 400 200 400 200 down

Date: 180815 | Station: P05 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600

800

down

200

400

400

200

600

800

Date: 180815 | Station: P07 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 200 400

down

Date: 180815 | Station: P08 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 200 400 200 400 down

Date: 180815 | Station: P09 RT: constant RT: T-dependent 0 2 4 6 tau\_factor: 0.8 8 10 12 -14 16 18 20 22 2 6 · tau\_factor: 1 8 10 12 14 16 18 20 22 2 cast 4 down 6 tau\_factor: 1.2 Depth [m] 10 12 14 8 --- up correction 16 pCO2 18 pCO2\_RT\_mean 20 2<u>2</u> 2 4 6 tau\_factor: 1.4 8 10 12 14 16 18 -20 -2<u>2</u> 2 4 · 6 tau\_factor: 1.6 8 10 12 -14 -16-18 -20 ·

300

400

22

200

300

400

down

200

Date: 180815 | Station: P10 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

600

800

600

800

down

200

400

200

400

Date: 180815 | Station: P11 RT: constant RT: T-dependent 02468012146802246803334 02468012146802246803334 0246801214680246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 02468012146802246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 0246801214680246803334 02468012146802468012146802468012146802468012146802468012146802468012146802468012146802468012146801468012146801214680121468 tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

800

down

200

400

600

400

200

800

600

Date: 180815 | Station: P12 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

750

500

250

1000

down

250

500

7**5**0

1000

Date: 180815 | Station: P06 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 600 600 400 800 200 800 200 400 down

Date: 180815 | Station: P13 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 Depth [m] up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 1000 1000 750 500 1250 250 750 1250 250 500 down

Date: 180820 | Station: P01 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 1000 1000 500 750 2<del>5</del>0 500 750 250 down

Date: 180820 | Station: P11 RT: constant RT: T-dependent 2 4 6 8 tau\_factor: 0.8 16 · 18 · 20 · 22 · 24 · 26 · 0 · 2 · 4 · 6 · 8 · 10 · 12 · 14 · tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 24 26 0 2 4 6 8 tau\_factor: 1.6 12 down

Date: 180820 | Station: P12 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 -- up correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6

750

500

750

250

down

500

250

Date: 180820 | Station: P13 RT: constant RT: T-dependent tau\_factor: 0.8 tau\_factor: 1 cast down tau\_factor: 1.2 up Depth [m] correction pCO2 pCO2\_RT\_mean tau\_factor: 1.4 tau\_factor: 1.6 900 900 300 600 300 600 down