Macroalgal bed (b) March

Offshore

CO$_2$: 1.2

Degradation (150 d)
78 %

RDOC$_{tot}$: 67

(mmol C m$^{-2}$ d$^{-1}$)

Macrolgal bed

CO$_2$: 1.8

NCP: 1400 (1378)
NCC: 9 (21)

Biomass growth
OC: 1301 (1290)
IC: 9 (21)

DIC: 1386

NDR: 99 (88)

Water exchange

DOC: 96 (85)

Biomass growth
OC: 182 (195)
IC: 14 (11)

RDOC$_{tot}$: 59

Degradation (150 d)
56 %

DIC: 323

DOC: 125 (105)

Water exchange

(a) February

Offshore

CO$_2$: 9.2

NCP: 309 (302)
NCC: 14 (11)

Biomass growth
OC: 182 (195)
IC: 14 (11)

DIC: 323

NDR: 127 (107)

Water exchange

DOC: 125 (105)

(b) March

Offshore

CO$_2$: 10.3

NCP: 1400 (1378)
NCC: 9 (21)

Biomass growth
OC: 1301 (1290)
IC: 9 (21)

DIC: 1386

NDR: 99 (88)

Water exchange

DOC: 96 (85)

Biomass growth
OC: 182 (195)
IC: 14 (11)