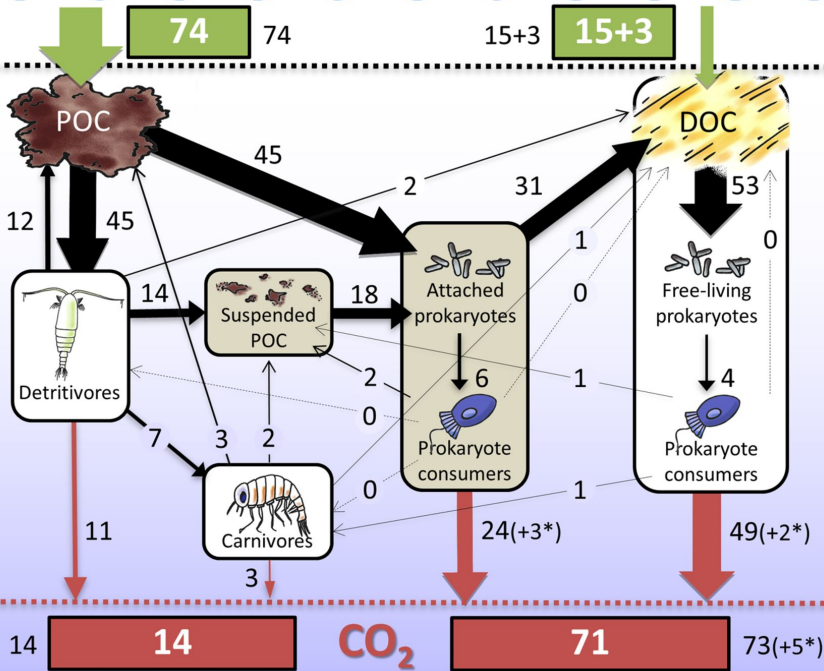
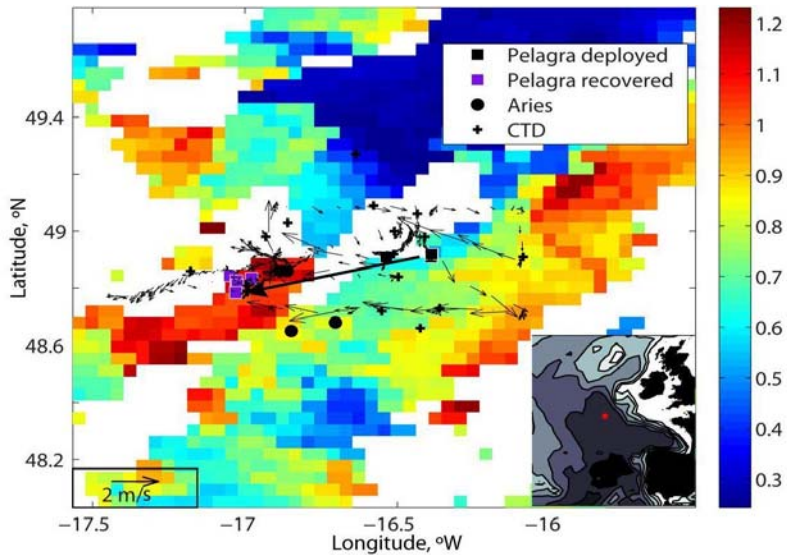
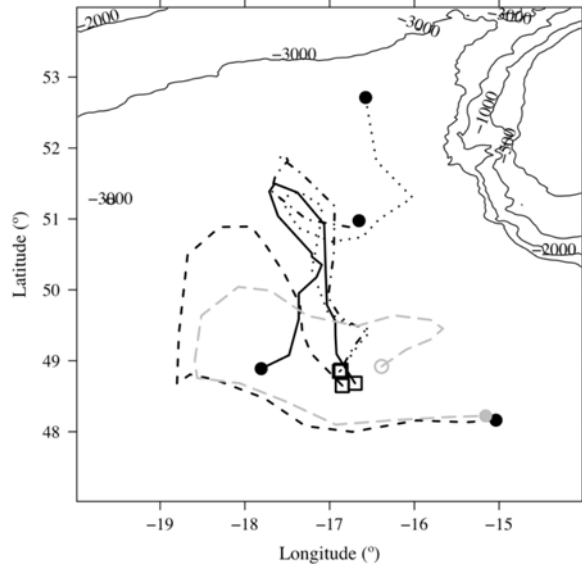
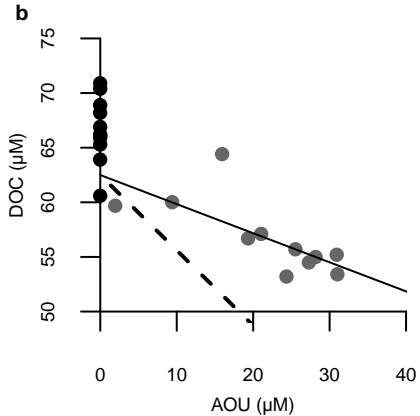
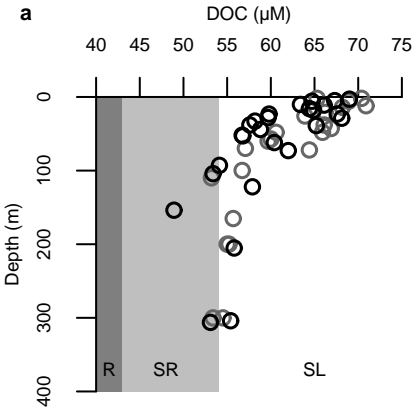


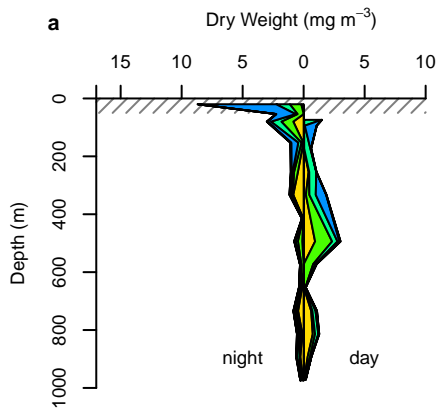
Twilight zone



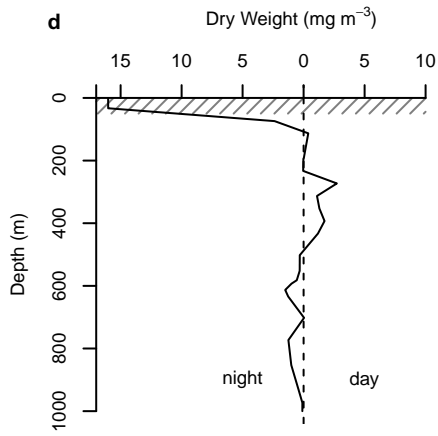
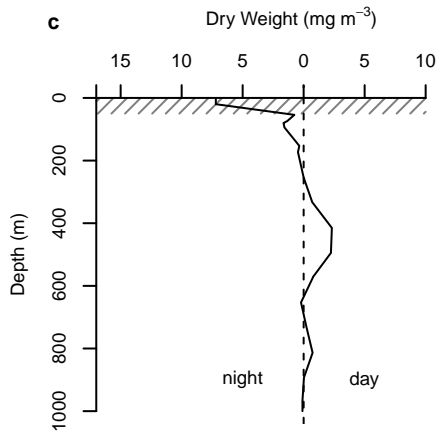
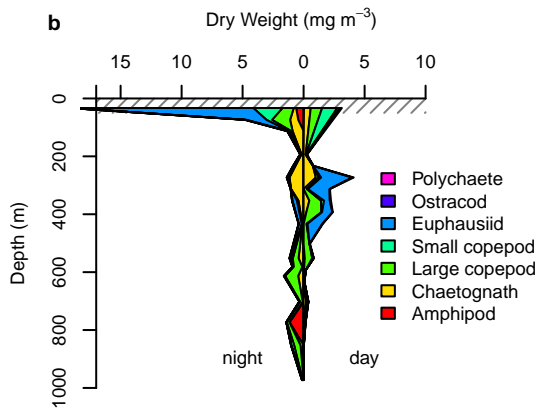
a**b**

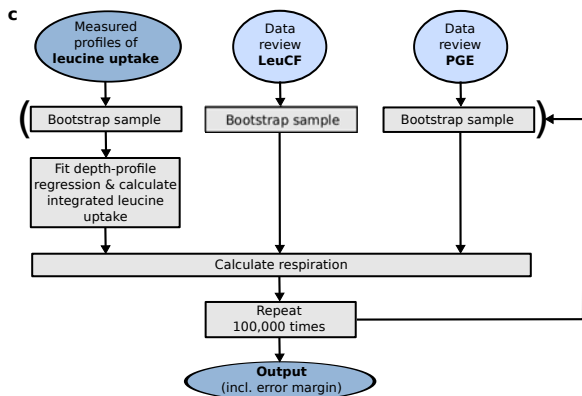
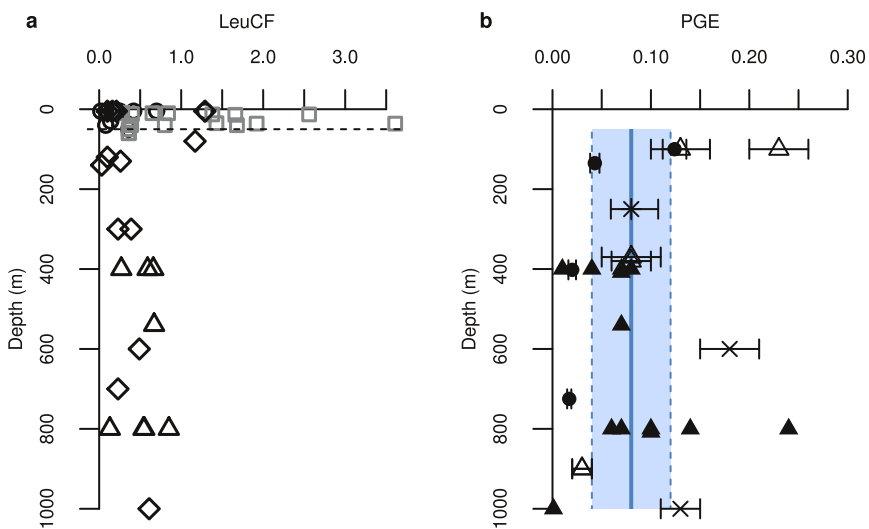


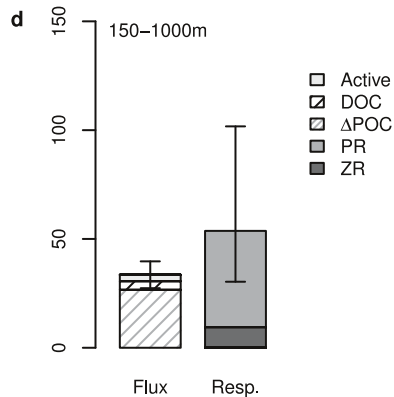
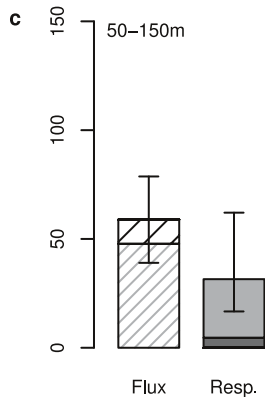
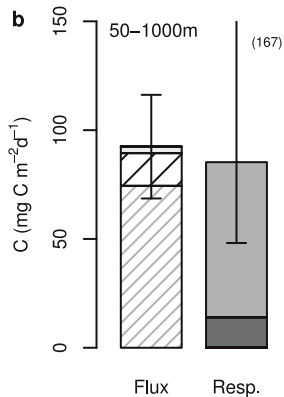
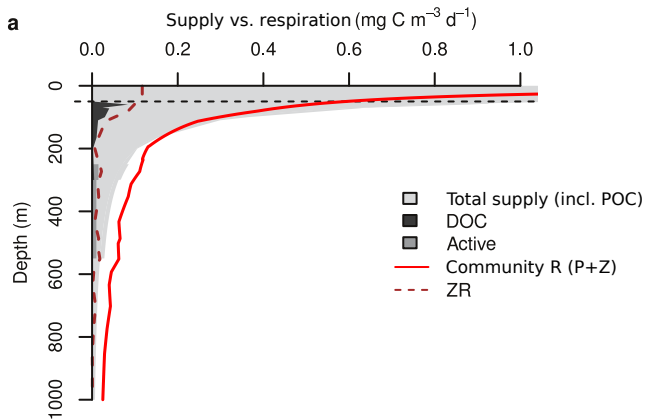
Deployment period 1

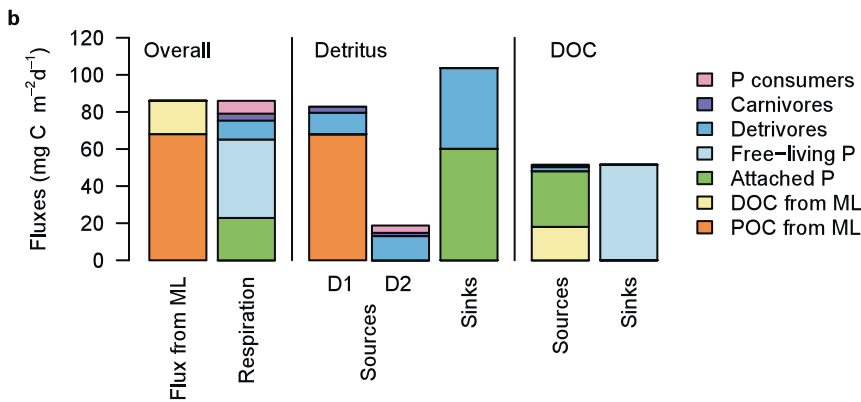
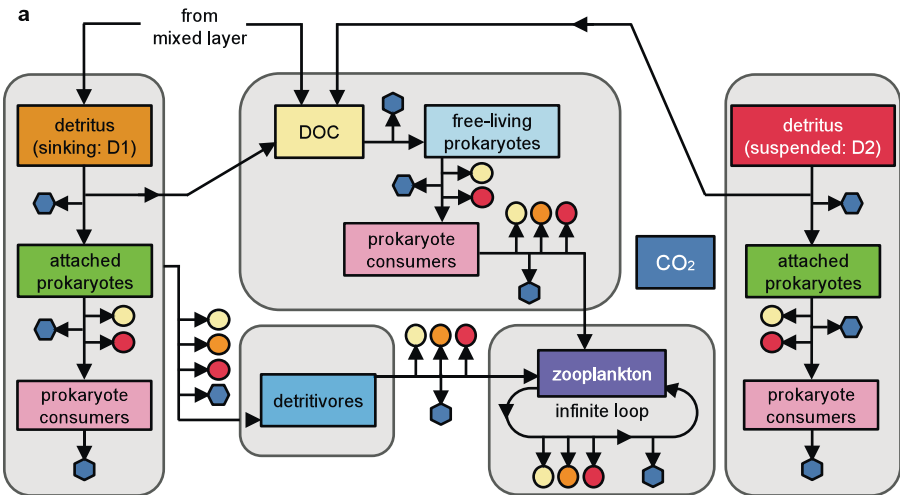


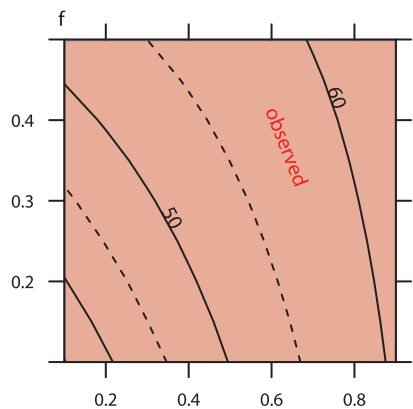
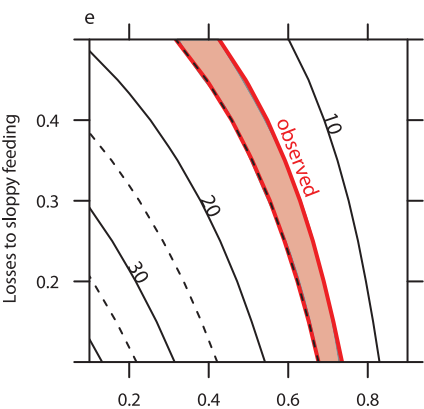
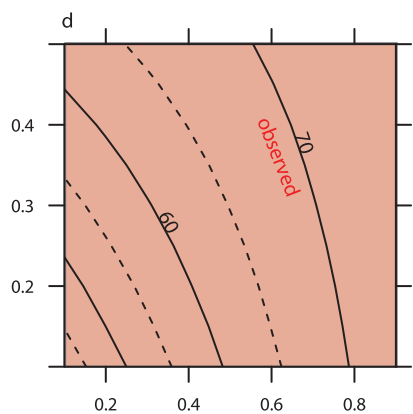
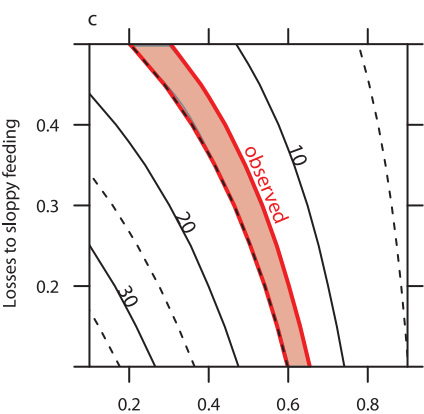
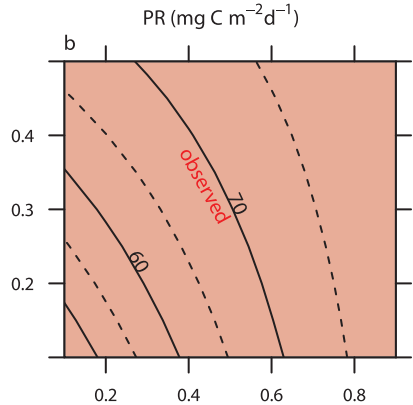
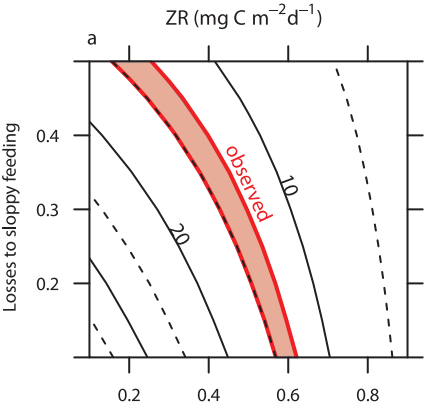
Deployment period 2





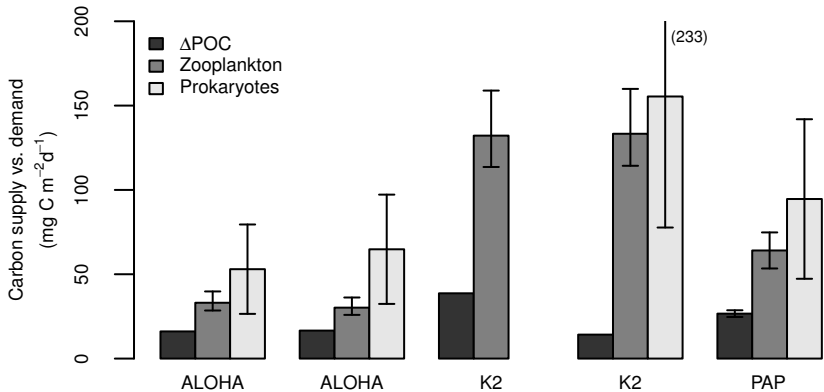






↔
Detritivores Prokaryotes

↔
Detritivores Prokaryotes



Type	Station	Date	Time of day	Latitude (N)		Longitude (W)		Max. depth
			(hh:mm)	deployed	recovered	deployed	recovered	(m)
PELAGRA	P7	03-06/08/09	13:40 - 19:21	48.54.8	48.50.6	16.23.4	17.03.0	589
PELAGRA	P6	03-06/08/09	13:15 - 19:21	48.54.8	48.49.6	16.23.2	17.01.7	446
PELAGRA	P5	03-06/08/09	12:50 - 19:24	48.54.9	48.48.7	16.23.2	17.01.5	312
PELAGRA	P4	03-06/08/09	12:25 - 19:21	48.55.1	48.50.1	16.23.3	16.58.7	184
PELAGRA	P2	03-06/08/09	12:00 - 19:21	48.55.2	48.47.1	16.23.3	17.01.8	51
ARIES	2	08/08/2009	16:01 - 17:48	48.51.3	48.48.6	16.53.0	16.58.6	972
ARIES	2	07/08/2009	21:49 - 23:29	48.51.8	48.48.9	16.51.7	16.57.1	973
ARIES	1	01/08/2009	20:42 - 22:09	48.39.2	48.37.5	16.50.9	16.54.6	974
ARIES	1	01/08/2009	16:09 - 18:00	48.40.9	48.40.3	16.42.2	16.48.9	972
CTD	16514	19/07/2009	17:20 – 18:30	49.01.0	49.02.0	16.30.9	16.51.6	1000
CTD	16606	01/08/2009	10:08 – 13:32	48.41.8	48.40.7	16.33.4	16.34.3	3000
CTD	16616	02/08/2009	22:28 – 00:52	49.03.3	49.02.2	16.26.0	16.26.0	2000
CTD	16640	06/08/2009	15:48 – 18:14	48.55.8	48.33.0	16.30.1	16.32.7	2000

Parameter	Description	Value
ψ_B	partitioning of D1 to attached prokaryotes	0.5
α	solubilization losses: attached prokaryotes	0.5
ω_{att}	PGE: attached prokaryotes	0.24
ω_{fl}	PGE: free-living prokaryotes	0.08
Φ_V	release of DOC as excretion by prokaryote consumers	0.05
Φ_H	release of DOC as excretion by detritivores	0.05
Φ_Z	release of DOC as excretion by carnivores	0.05
λ_V	grazing losses to D2 via sloppy feeding: prokaryote consumers	0
λ_H	grazing losses to D2 via sloppy feeding: detritivores	0.30
λ_Z	grazing losses to D2 via sloppy feeding: carnivores	0.15
β_V	absorption efficiency: prokaryote consumers	0.72
β_H	absorption efficiency: detritivores	0.60
β_Z	absorption efficiency: carnivores	0.66
κ_V	NGE: prokaryote consumers	0.44
κ_H	NGE: detritivores	0.39
κ_Z	NGE: higher zooplankton	0.39
ζ	Particle microbial losses to detritivores	0.24