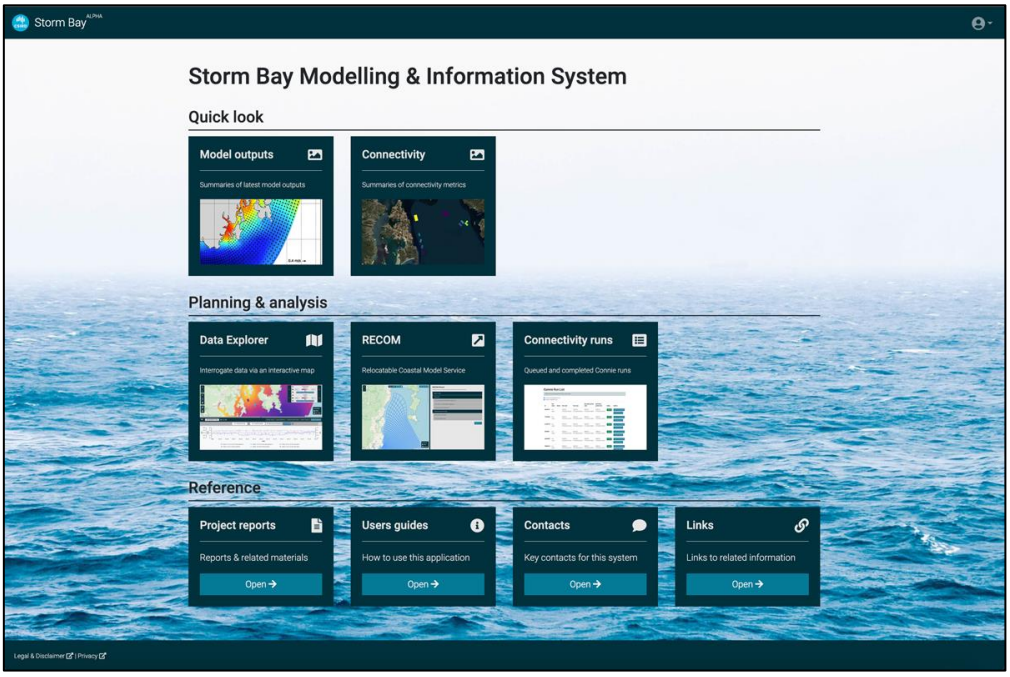
FRDC
FISHERIES RESEARCH & DEVELOPMENT CORPORATION

APPENDICES PART 1

Storm Bay Biogeochemical Modelling and Information System

Supporting sustainable aquaculture in Tasmania.



Karen Wild-Allen, John Andrewartha, Mark Baird, Jack Beardsley, Elizabeth Brewer, Lev Bodrossy, Ruth Eriksen, Rob Gregor, David Griffin, Mike Herzfeld, David Hughes, Pete Jansen, Clothilde Langlais, Nugzar Margvelashvili, Andrew Martini, Merinda McMahon, Andrew Revill, Farhan Rizwi, Jenny Skerratt, Cassie Schwanger, Kendall Sherrin, Sascha Frydman, Dan Wild.

March 2023

FRDC Project No 2017-215

ISBN **[Insert ISBN/ISSN – researcher to obtain]**

Storm Bay Biogeochemical Modelling and Information System: supporting sustainable aquaculture in Tasmania
FRDC Project No. 2017-215

March 2023

Ownership of Intellectual property rights

This publication (and any information sourced from it) should be attributed to:

Wild-Allen, K., Andrewartha, J., Baird, M., Beardsley, J., Brewer, E., Bodrossy, L., Eriksen, R., Gregor, R., Griffin, D., Herzfeld, M., Hughes, D., Jansen, P., Langlais, C., Margvelashvili, N., Martini, A., McMahon, M., Revill, A., Rizwi, F., Skerratt, J., Schwanger, C., Sherrin, K., Frydman, S., Wild, D. 2022 *Storm Bay Biogeochemical Modelling and Information System: supporting sustainable aquaculture in Tasmania (FRDC 2017-215) Final Report Appendices*. CSIRO Oceans & Atmosphere, Hobart, March 2023.

Creative Commons licence

Disclaimer

Researcher Contact Details

Name: Dr Karen Wild-Allen
Address: CSIRO Oceans & Atmosphere, GPO Box 1530, Hobart
Phone: +61 3 6232 5222
Fax: +61 3 6232 5000
Email: Karen.wild-allen@csiro.au

FRDC Contact Details

Address: 25 Geils Court
Deakin ACT 2600
Phone: 02 6122 2100
Email: frdc@frdc.com.au
Web: www.frdc.com.au

10 Appendices

A.4 Storm Bay biogeochemical model parameters

A.5 Biogeochemical model vs glider data including statistics

A.6 Biogeochemical model vs monitoring data including statistics

A.4 Storm Bay biogeochemical model parameters

Model parameter values for the biogeochemical model run TASSE73K. This simulation used hydrodynamic transport model forcing from the hydrodynamic model v1.2 and the calibrated sediment model.

Parameter description	Symbol	Value	Units
Phytoplankton			
Chl-specific scattering coefficient. for microalgae	bphy	0.2	m^{-1} (mg Chl a $m^{-3})^{-1}$
Natural (linear) mortality rate, large phytoplankton in water column	PhyL_mL	0.14	d^{-1}
Natural (linear) mortality rate in sediment, large phytoplankton	PhyL_mL_sed	1	d^{-1}
Natural (linear) mortality rate, small phytoplankton in water column	PhyS_mL	0.14	d^{-1}
Natural (linear) mortality rate in sediment, small phytoplankton	PhyS_mL_sed	1	d^{-1}
Natural (linear) mortality rate, dinoflagellates in water column & sediment	PD_mL	0.14	d^{-1}
Respiration as a fraction of maximum growth rate (µmax)	Plank_resp	0.025	none
Radius of the large phytoplankton cells	PLrad	$10.0E^{-6}$	m
Maximum growth rate of large phytoplankton at Tref	PLµmax	1.5	d^{-1}
Ratio of xanthophyll to Chl *a* of PL	PLxan2chl	0.81	mg mg^{-1}
Radius of the small phytoplankton cells	PSrad	$2.5\ E^{-6}$	m
Maximum growth rate of small phytoplankton at Tref	PSµmax	1.6	d^{-1}
Ratio of xanthophyll to Chl *a* of PS	PSxan2chl	0.51	mg mg^{-1}
Maximum growth rate of dinoflagellates at Tref	DFµmax	0.5	d^{-1}
Ratio of xanthophyll to Chl *a* of dinoflagellates	DFxan2chl	0.81	mg mg^{-1}
Radius of dinoflagellate cells	DFrad	$10.0\ E^{-6}$	m

Parameter description	Symbol	Value	Units
Zooplankton (ZL)			
Growth efficiency, large zooplankton	ZL_E	0.426	none
Fraction of growth inefficiency lost to detritus, large zooplankton	ZL_FDG	1.0	none
Fraction of mortality lost to detritus, large zooplankton	ZL_FDM	1.0	none
Natural (quadratic) mortality rate, large zooplankton	ZL_mQ	0.02	d^{-1} (mg N m^{-3})$^{-1}$
Diel vertical migration rate of large zooplankton	ZLdvmrate	0	m d^{-1}
Grazing technique of large zooplankton	ZLmeth	rect	none
Zooplankton light dependency	ZLpar	1.0 E^{-12}	mol photons m^{-2} s^{-1}
Radius of large zooplankton cells	ZLrad	5 E^{-4}	m
Swimming velocity for large zooplankton	ZLswim	1.5 E^{-3}	m s^{-1}
Maximum growth rate of large zooplankton at Tref	ZLμmax	1.33	d^{-1}
Growth efficiency, small zooplankton	ZS_E	0.462	none
Fraction of growth inefficiency lost to detritus, small zooplankton	ZS_FDG	1.0	none
Fraction of mortality lost to detritus, small zooplankton	ZS_FDM	1.0	none
Natural (quadratic) mortality rate, small zooplankton	ZS_mQ	0.07	d^{-1} (mg N m^{-3})$^{-1}$
Grazing technique of small zooplankton	ZSmeth	rect	none
Radius of the small zooplankton cells	ZSrad	12.5 E^{-6}	m
Swimming velocity for small zooplankton	ZSswim	0.0002	m s^{-1}
Maximum growth rate of small zooplankton at Tref	ZSμmax	2.0	d^{-1}
Filter Feeders FF (excludes farmed shellfish)			
Nitrogen-specific area of filter feeder density	FFden	0.002	m^2 mg N^{-1}
Max. growth rate of filter feeder at Tref	FFumax	0.2	d^{-1}
Mortality of filter feeder at Tref	FFmort	8.0 E^{-10}	d^{-1} (mg N m^{-2})$^{-1}$
Grid scale to filter feeder reef scale ratio	FFarea	0.1	m m^{-1}

Parameter description	Symbol	Value	Units
Seagrass (SG)			
Half-saturation of SG N uptake in sediment	SG_KN	420	mg N m^{-3}
Half-saturation of SG P uptake in sediment	SG_KP	96	mg P m^{-3}
Natural (linear) mortality rate of SG	SG_mL	0.03	d^{-1}
Critical shear stress for SG loss	SG_tau_critical	2	N m^{-2}
Time-scale for critical shear stress for SG loss	SG_tau_efold	43200	s
Fraction (target) of SG biomass below-ground	SGfrac	0.75	-
Nitrogen-specific area of SG leaf	SGleafden	1.5	m^2 g N^{-1}
Compensation irradiance for SG	SGmlr	1.5	mol m^{-2}
Natural (linear) mortality rate, SG root	SGROOT_mL	0.004	d^{-1}
Maximum depth for SG roots	SGrootdepth	-0.15	m
Seagrass seed biomass as fraction of 63 % cover	SGseedfrac	0.01	-
Time scale for seagrass translocation	SGtransrate	0.0333	d^{-1}
Orientation of seagrass	SGorient	0.5	-
Maximum growth rate of SG at Tref	SGµmax	0.2	d^{-1}
Macroalgae (MA)			
Natural (linear) mortality rate, macroalgae	MA_mL	0.01	d^{-1}
Nitrogen-specific area of macroalgae leaf	MAleafden	1	m^2 g N^{-1}
Maximum growth rate of MA at Tref	MAµmax	1.0	d^{-1}
Critical shear stress for MA loss	MA_tau_critical	2	N m-2
Time-scale for critical shear stress for MA loss	MA_tau_efold	86400	s
Nitrogen-specific area of kelp leaf	MAGleafden	0.01	m2 g N-1
Maximum growth rate of kelp at Tref	MAGµmax	1.0	d-1
Critical shear stress for kelp loss	MAG_tau_critical	5	N m-2
Time-scale for critical shear stress for kelp loss	MAG_tau_efold	86400	s
Microphytobenthos (MPB)			
Radius of the MPB cells	MBrad	10.0 E^{-6}	m
Maximum growth rate of MPB at Tref	MBµmax	1.05	d^{-1}
Ratio of xanthophyll to Chl *a* of MPB	MBxan2chl	0.81	mg
MPB natural (quadratic) mortality rate, applied in sediment	MPB_mQ	0.0001	d^{-1} (mg N m^{-3})$^{-1}$

Parameter description	Symbol	Value	Units
Biogeochemistry			
Reference temperature (Tref)	Tref	15	Deg C
Temperature coefficient for rate parameters	Q10	2	none
Breakdown rate of dissolved organic matter	r_DOM	0.00176	d^{-1}
Respiration as a fraction of max growth rate µmax	Benth_resp	0.025	none
Breakdown rate of labile detritus at 106:16:1	r_DetPL	0.1	d^{-1}
Breakdown rate of labile detritus at 550:30:1	r_DetBL	0.1	d^{-1}
Breakdown rate of refractory detritus	r_RD	0.0036	d^{-1}
Concentration of dissolved N2	N2	2000	mg N m^{-3}
DOC-specific absorption of CDOM at 443 nm	acdom443star	0.00013	m^2 mg C^{-1}
Fraction of labile detritus converted to dissolved organic matter	F_LD_DOM	0.01	none
Fraction of labile detritus converted to refractory detritus	F_LD_RD	0.19	none
Fraction of refractory detritus that breaks down to DOM	F_RD_DOM	0.05	none
Maximum anammox rate in sediment	r_ana_sed	40.0	d^{-1}
Maximum anammox rate in water column	r_ana_wc	0.1	d^{-1}
Maximum denitrification rate in sediment	r_den_sed	60.0	d^{-1}
Maximum denitrification rate in water column	r_den_wc	0.01	d^{-1}
Maximum nitrification rate in water column	r_nit_wc	0.1	d^{-1}
Maximum nitrification rate in water sediment	r_nit_sed	5.0	d^{-1}
Minimum carbon to chlorophyll ratio	C2Chlmin	60	wt/wt
Nominal N:Chl a ratio in phytoplankton by weight	NtoCHL	7	g N (g Chl *a*)$^{-1}$
Oxygen half inhibition coeff. For dentification in water column	KO_den_wc	1000	mg O m^{-3}
Oxygen half-inhibition of denitrification rate in sediment	KO_den_sed	10000	mg O m^{-3}
Oxygen half-saturation coeff. for Anammox in water column	KO_ana_wc	1000	mg O m^{-3}
Oxygen half-saturation coeff. for Anammox in sediment	KO_ana_sed	5000	mg O m^{-3}
Oxygen half-saturation for aerobic respiration	KO_aer	256	mg O m^{-3}
Oxygen half-saturation for nitrification in sediment	KO_nit_sed	2000	mg O m^{-3}
Oxygen half-saturation for nitrification in water column	KO_nit_wc	5000	mg O m^{-3}
Oxygen half-saturation for P adsorption	Pads_KO	2000	mg O m^{-3}
Rate at which P reaches adsorbed/desorbed equilibrium	Pads_r	0.04	d^{-1}
Exponent for Freundlich Isotherm	Pads_exp	1	none
Freundlich Isothermic Const P adsorption to TSS in water column	Pads_Kwc	30	mg P kg TSS^{-1}
Freundlich Isothermic Const P adsorption to TSS in sediment	Pads_Ksed	74	mg P kg TSS^{-1}
Rate of conversion of PIP to immobilised PIP	r_immob_PIP	0.0012	d^{-1}
Sediment-water diffusion coefficient	EpiDiffCoeff	3.0 E-08	m^2 s^{-1}
Thickness of diffusive layer	EpiDiffDz	0.0065	m
Absorption of amber river water at 440nm	a440cdom_amber	1	m^{-1}
Absorption of dark river water at 440nm	a440cdom_dark	8	m^{-1}
Absorption of pale river water at 440nm	a440cdom_pale	0.1	m^{-1}
Spectral slope of CDOM absorption for amber river water (for Derwent, Snug, Esperance, Coal, Carlton NWBay, Jordan Rivers)	Scdom_amber	0.0125	nm^{-1}
Spectral slope of CDOM absorption for dark river water (for Huon River)	Scdom_dark	0.015	nm^{-1}
Spectral slope of CDOM absorption for pale river water	Scdom_pale	0.01	nm^{-1}
Wavelengths of light	Light_lambda	Various	Nm
Rate of COD decay	r_COD_decay	0	d^{-1}
Rate of consumption of oxygen by COD	tau_COD	12	d^{-1}
COD concentration wheb detrital remin tends to 0	COD_max	32000	mg O m^{-3}
Atmospheric NH4 flux	flux	0.274	mg N $m^{-2}d^{-1}$

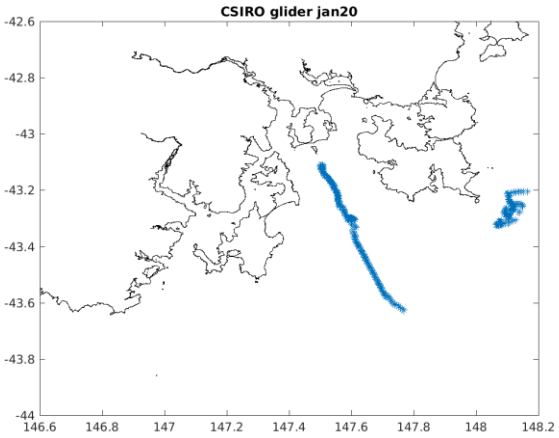
Initial conditions for the 1 year pilot model run to generate a spatially resolved and self-consistent biogeochemical model initial condition [dissolved organic and inorganic nutrients, plankton detritus, oxygen, epibenthic macroalgae, and seagrass across the model domain].

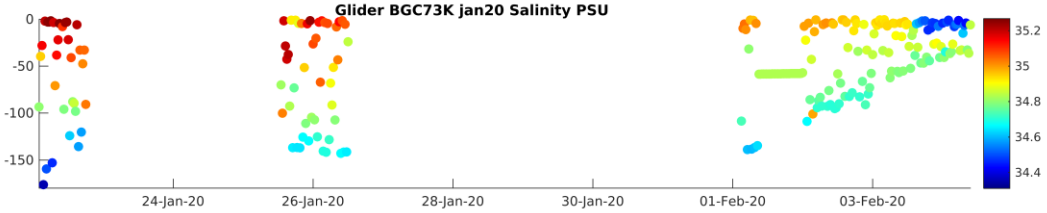
Variable	Code name	Water Column	Sediment	Unit
Labile Detrital Nitrogen Benthic	DetBL_N	0	500	mg N m^{-3}
Labile Detrital Nitrogen Plank	DetPL_N	0.01	500	mg N m^{-3}
Refractory Detrital Carbon	DetR_C	0.01	8000	mg C m^{-3}
Refractory Detrital Nitrogen	DetR_N	0.01	500	mg N m^{-3}
Refractory Detrital Phosphorus	DetR_P	0.01	138	mg P m^{-3}
Dissolved Inorganic Carbon	DIC	24758	24758	mg C m^{-3}
Dissolved Inorganic Phosphorus	DIP	10	100	mg P m^{-3}
Dissolved Organic Carbon	DOR_C	1000	1000	mg C m^{-3}
Dissolved Organic Nitrogen	DOR_N	300	300	mg N m^{-3}
Dissolved Organic Phosphorus	DOR_P	5	5	mg P m^{-3}
Ammonia	NH4	14	200	mg N m^{-3}
Nitrate	NO3	100	500	mg N m^{-3}
Dissolved Oxygen	Oxygen	6505	65.05	mg O m^{-3}
Chemical Oxygen Demand	COD	0	0	mg O m^{-3}
Dinoflagellate chlorophyll	PhyD_Chl	1	0	mg Chl m^{-3}
Dinoflagellate I reserve	PhyD_I	7	0	mmol photon m^{-3}
Dinoflagellate Nitrogen	PhyD_N	5	0	mg N m^{-3}
Dinoflagellate N reserve	PhyD_NR	2	0	mg N m^{-3}
Dinoflagellate P reserve	PhyD_PR	0.5	0	mg P m^{-3}
Large Phytoplankton chlorophyll	PhyL_Chl	2	0	mg Chl m^{-3}
Large Phytoplankton I reserve	PhyL_I	14	0	mmol photon m^{-3}
Large Phytoplankton N	PhyL_N	10	0	mg N m^{-3}
Large Phytoplankton N reserve	PhyL_NR	4	0	mg N m^{-3}
Large Phytoplankton P reserve	PhyL_PR	0.5	0	mg P m^{-3}
Small Phytoplankton chlorophyll	PhyS_Chl	2	0	mg Chl m^{-3}
Small Phytoplankton I reserve	PhyS_I	14	0	mmol photon m^{-3}
Small Phytoplankton N	PhyS_N	10	0	mg N m^{-3}
Small Phytoplankton N reserve	PhyS_NR	4	0	mg N m^{-3}
Small Phytoplankton P reserve	PhyS_PR	0.5	0	mg P m^{-3}
Particulate Inorganic Phosphorus	PIP	0.1	1000	mg P m^{-3}
Particulate Inorganic Phosphorus on dust	PIP_dust	0.01	10	mg P m^{-3}
Immobilised Particulate Inorganic Phosphorus	PIPI	0	0.01	mg P m^{-3}
Large Zooplankton N	ZooL_N	15	0	mg N m^{-3}
Small Zooplankton N	ZooS_N	10	0	mg N m^{-3}
Macroalgae N	MA_N	0.01	-	g N m^{-2}
Microphytobenthos chlorophyll	MPB_Chl	0	48.2	mg Chl m^{-3}
Microphytobenthos light reserve	MPB_I	0	797.22	mmol photon m^{-3}
Microphytobenthos N	MPB_N	0	337.4	mg N m^{-3}
Microphytobenthos N reserve	MPB_NR	0	169.65	mg N m^{-3}
Microphytobenthos P reserve	MPB_PR	0	23.32	mg P m^{-3}
Seagrass N	SG_N	0.05	-	g N m^{-2}
Seagrass root N	SGROOT_N	-	0.01	g N m^{-3}
Filter feeder N	FF_N	600	-	mg N m^{-2}

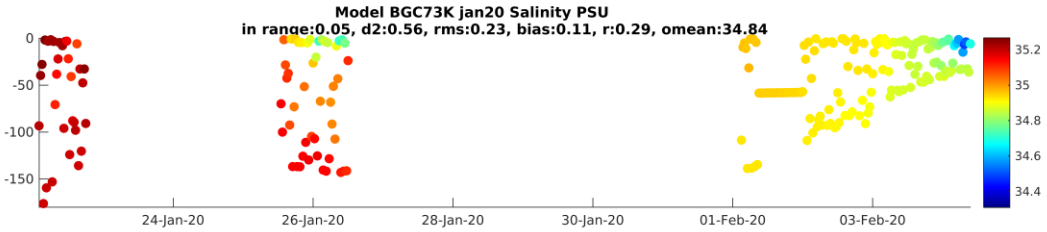
A.5 Biogeochemical model vs glider data including statistics

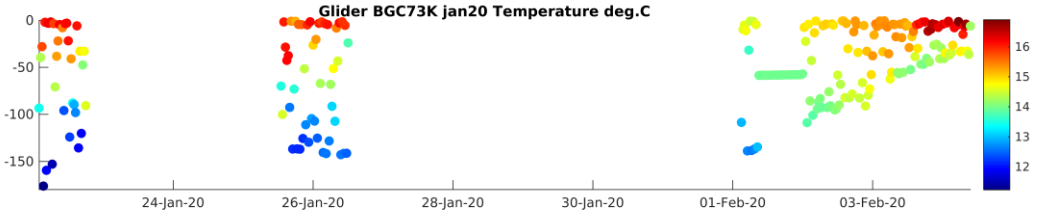
Summary of model vs glider observations statistical skill assessment [properties [yellow/green Willmott score > 0.4 (good), dark green Willmott score > 0.6 (very good), red Willmott score < 0.3 (poor); blue model bias low, red model bias high].

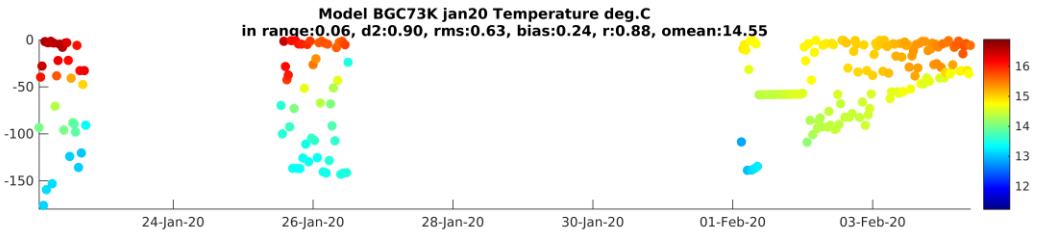
Willmott Skill	Chl-a mg/m3	Oxygen mg/m3	Ed 440 W/m2/nm	Ed 490 W/m2/nm	Ed 550 W/m2/nm	Ed 670 W/m2/nm	Nitrate mg/m3	Temp deg.C	Salinity PSU
Feb-15	0.60	0.73	0.85	0.86	0.89	0.88		0.81	0.69
Apr-15	0.60	0.34	0.87	0.86	0.88	0.86		0.57	0.47
Jun-15	0.50	0.17	0.84	0.85	0.89	0.90		0.95	0.93
Aug-15	0.55	0.33	0.92	0.90	0.93	0.91		0.70	0.88
Oct-15	0.46	0.45	0.85	0.85	0.89	0.92		0.80	0.75
Apr-16	0.62	0.40	0.81	0.79	0.80	0.87		0.57	0.55
Sep-16	0.77	0.41	0.92	0.93	0.91	0.80		0.63	0.96
Feb-17	0.66	0.86	0.91	0.91	0.92	0.93		0.68	0.71
Mar-17	0.70	0.57	0.88	0.90	0.91	0.87		0.84	0.64
May-17	0.71	0.33					0.74	0.53	0.58
Sep-18	0.48	0.13					0.10	0.83	0.50
Apr-19	0.55	0.78					0.63	0.89	0.31
Aug-19	0.33	0.16					0.85	0.85	0.63
Jan-20	0.57	0.55					0.72	0.90	0.56
Normalised Bias									
Feb-15	-0.35	0.03	-0.47	-0.43	-0.32	-0.35		-0.06	-0.01
Apr-15	-0.44	0.01	-0.35	-0.33	-0.23	-0.44		-0.02	0.00
Jun-15	-0.58	-0.08	-0.40	-0.34	-0.18	-0.46		0.01	0.00
Aug-15	-0.47	-0.05	-0.25	-0.26	-0.13	-0.39		-0.02	0.00
Oct-15	0.56	0.01	-0.32	-0.34	-0.22	-0.31		-0.02	0.00
Apr-16	-0.42	0.00	-0.36	-0.32	-0.26	-0.22		-0.03	-0.01
Sep-16	-0.06	0.09	-0.28	-0.26	-0.31	-0.55		0.00	0.00
Feb-17	-0.44	-0.02	-0.12	-0.18	-0.13	-0.25		-0.06	0.00
Mar-17	-0.29	0.15	-0.39	-0.35	-0.30	-0.40		-0.03	0.00
May-17	-0.51	-0.07					0.12	0.04	0.00
Sep-18	-0.20	0.04					5.11	0.00	0.01
Apr-19	-0.69	0.01					0.57	0.01	0.00
Aug-19	-0.23	-0.03					0.02	0.01	0.00
Jan-20	0.08	0.03					-0.67	0.02	0.00
Mean									
Willmott	0.58	0.44	0.87	0.87	0.89	0.88	0.61	0.75	0.65
Correlation	0.44	0.19	0.79	0.79	0.82	0.85	0.66	0.71	0.61
Normalised Bias	-0.38	0.01	-0.35	-0.33	-0.23	-0.39	0.12	-0.01	0.00

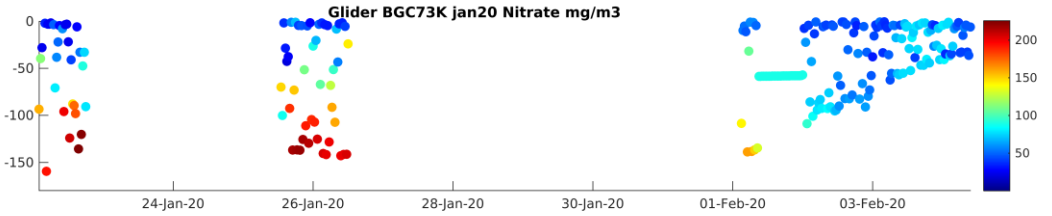

CSIRO glider jan20
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

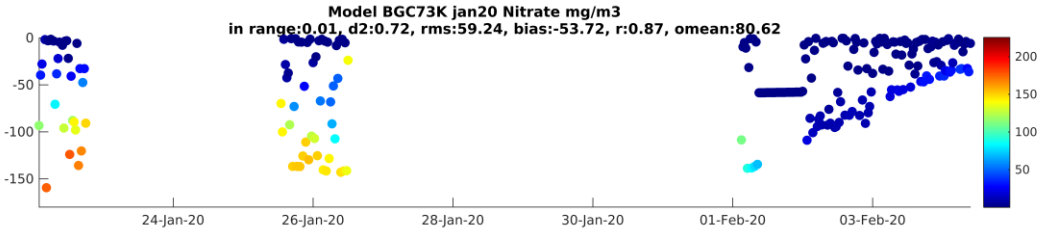

Glider BGC73K jan20 Salinity PSU
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
35.2
35
34.8
34.6
34.4

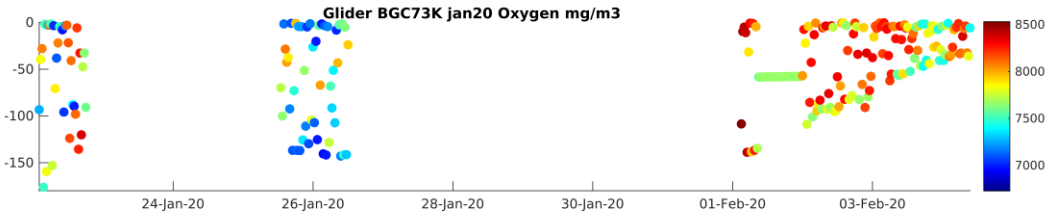

Model BGC73K jan20 Salinity PSU
in range:0.05, d2:0.56, rms:0.23, bias:0.11, r:0.29, omean:34.84
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
35.2
35
34.8
34.6
34.4

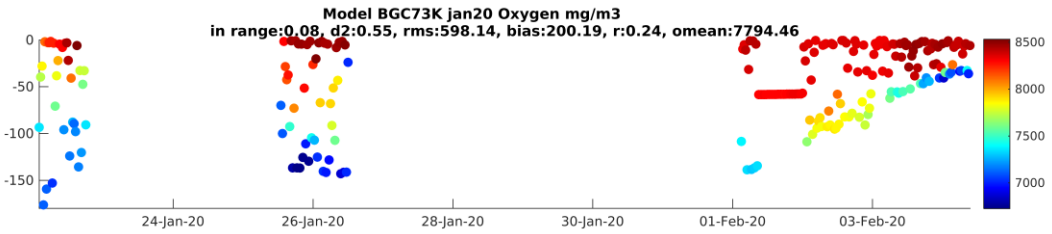

Glider BGC73K jan20 Temperature deg.C
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
16
15
14
13
12

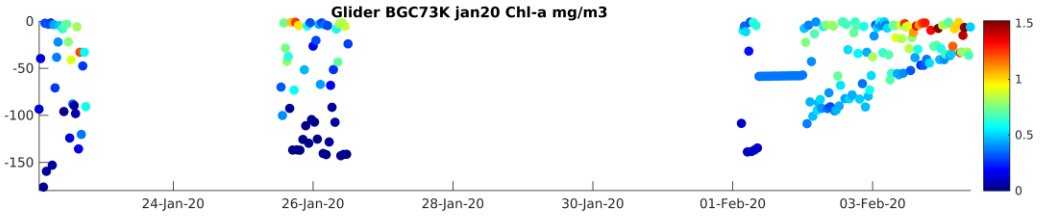

Model BGC73K jan20 Temperature deg.C
in range:0.06, d2:0.90, rms:0.63, bias:0.24, r:0.88, omean:14.55
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
16
15
14
13
12

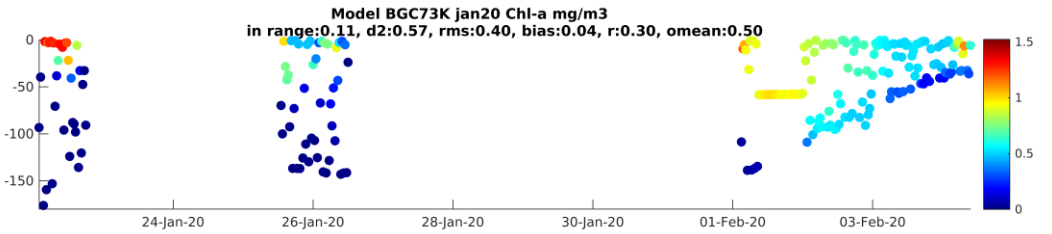

Glider BGC73K jan20 Nitrate mg/m3
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
200
150
100
50

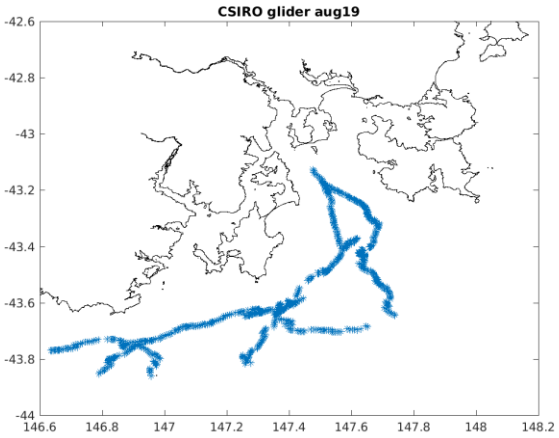

Model BGC73K jan20 Nitrate mg/m3
in range:0.01, d2:0.72, rms:59.24, bias:-53.72, r:0.87, omean:80.62
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
200
150
100
50

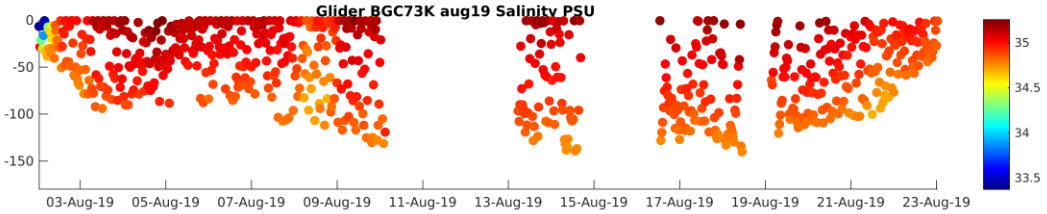

Glider BGC73K jan20 Oxygen mg/m3
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
8500
8000
7500
7000

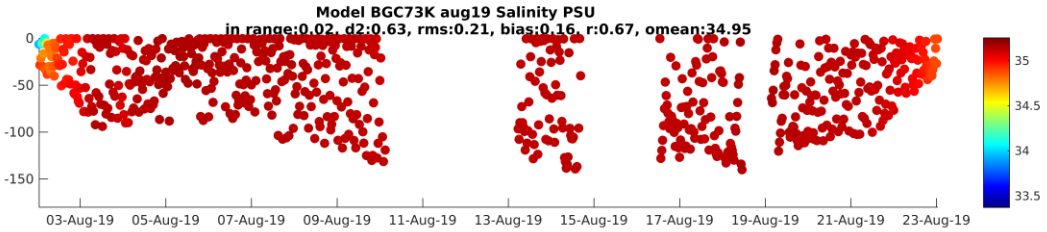

Model BGC73K jan20 Oxygen mg/m3
in range:0.08, d2:0.55, rms:598.14, bias:200.19, r:0.24, omean:7794.46
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
8500
8000
7500
7000

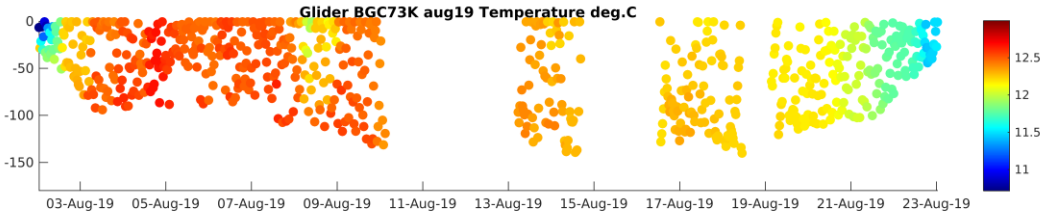

Glider BGC73K jan20 Chl-a mg/m3
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
1.5
1
0.5
0

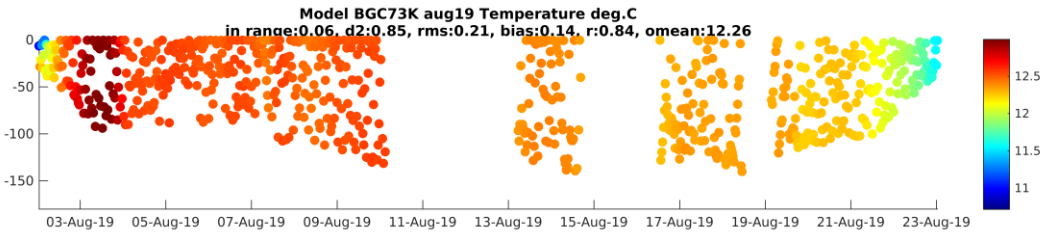

Model BGC73K jan20 Chl-a mg/m3
in range:0.11, d2:0.57, rms:0.40, bias:0.04, r:0.30, omean:0.50
0
-50
-100
-150
24-Jan-20
26-Jan-20
28-Jan-20
30-Jan-20
01-Feb-20
03-Feb-20
1.5
1
0.5
0

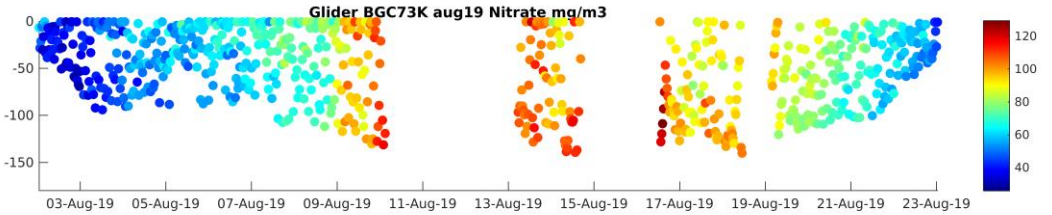

CSIRO glider aug19
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

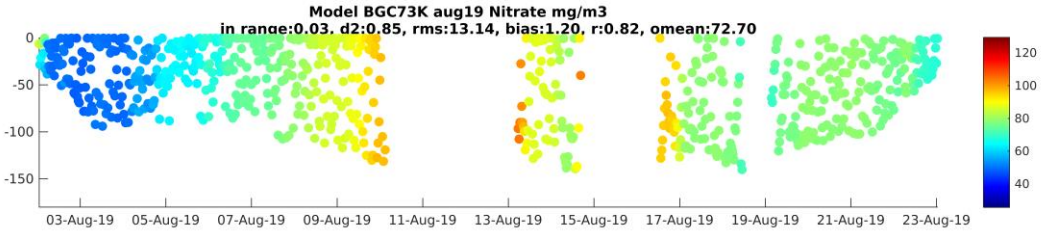

Glider BGC73K aug19 Salinity PSU
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
35
34.5
34
33.5

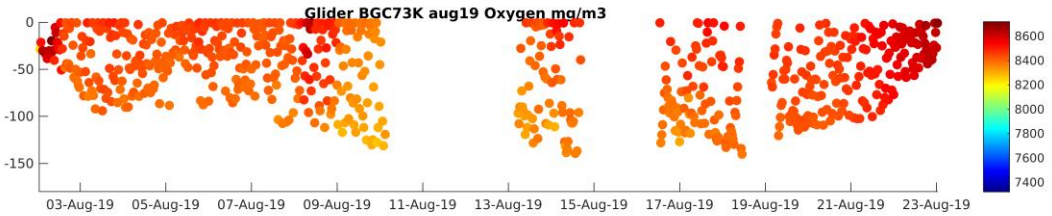

Model BGC73K aug19 Salinity PSU
in range:0.02, d2:0.63, rms:0.21, bias:0.16, r:0.67, omean:34.95
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
35
34.5
34
33.5

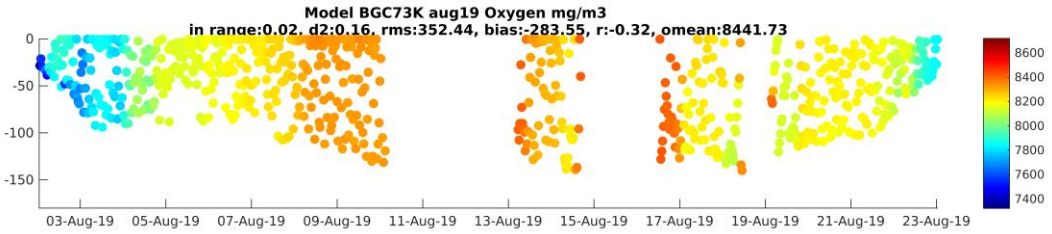

Glider BGC73K aug19 Temperature deg.C
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
12.5
12
11.5
11

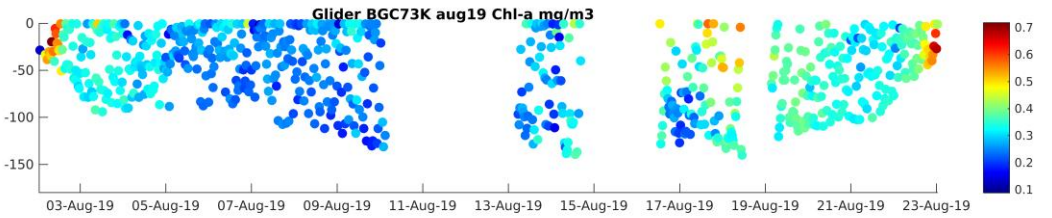

Model BGC73K aug19 Temperature deg.C
in range:0.06, d2:0.85, rms:0.21, bias:0.14, r:0.84, omean:12.26
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
12.5
12
11.5
11

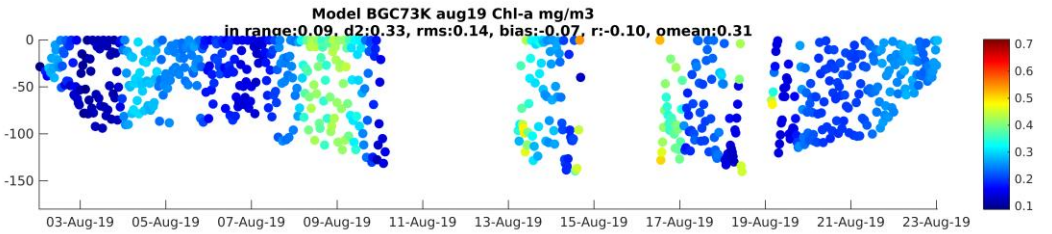

Glider BGC73K aug19 Nitrate mg/m3
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
120
100
80
60
40

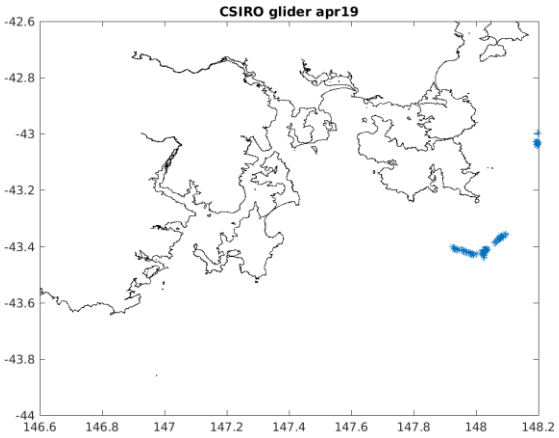

Model BGC73K aug19 Nitrate mg/m3
in range:0.03, d2:0.85, rms:13.14, bias:1.20, r:0.82, omean:72.70
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
120
100
80
60
40

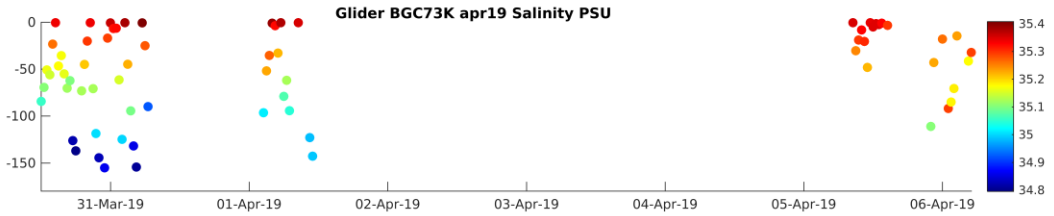

Glider BGC73K aug19 Oxygen mg/m3
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
8600
8400
8200
8000
7800
7600
7400

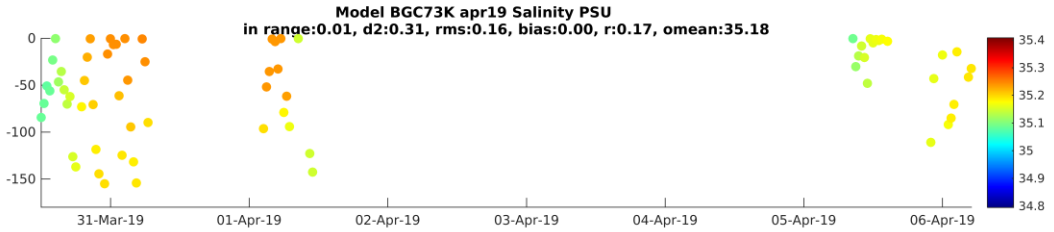

Model BGC73K aug19 Oxygen mg/m3
in range:0.02, d2:0.16, rms:352.44, bias:-283.55, r:-0.32, omean:8441.73
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
8600
8400
8200
8000
7800
7600
7400

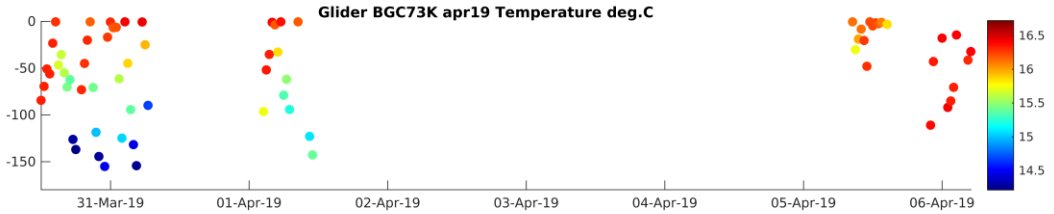

Glider BGC73K aug19 Chl-a mg/m3
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
0.7
0.6
0.5
0.4
0.3
0.2
0.1

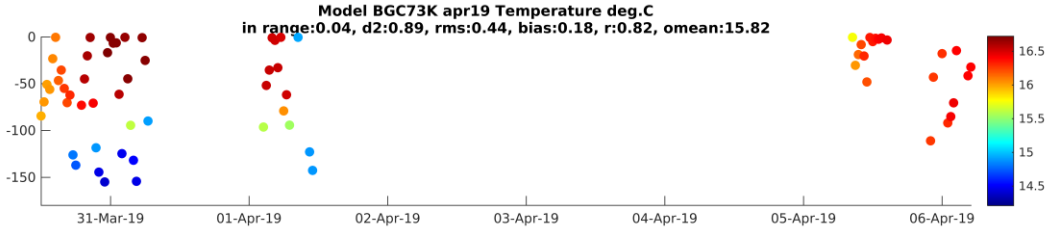

Model BGC73K aug19 Chl-a mg/m3
in range:0.09, d2:0.33, rms:0.14, bias:-0.07, r:-0.10, omean:0.31
0
-50
-100
-150
03-Aug-19
05-Aug-19
07-Aug-19
09-Aug-19
11-Aug-19
13-Aug-19
15-Aug-19
17-Aug-19
19-Aug-19
21-Aug-19
23-Aug-19
0.7
0.6
0.5
0.4
0.3
0.2
0.1

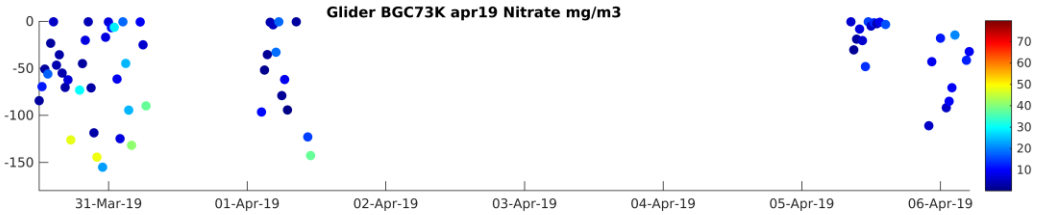

CSIRO glider apr19
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

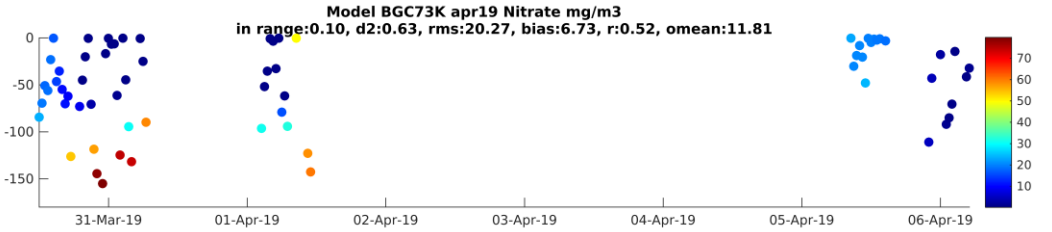

Glider BGC73K apr19 Salinity PSU
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
35.4
35.3
35.2
35.1
35
34.9
34.8

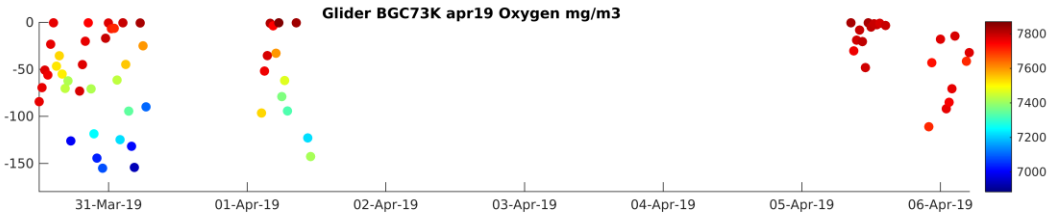

Model BGC73K apr19 Salinity PSU
in range:0.01, d2:0.31, rms:0.16, bias:0.00, r:0.17, omean:35.18
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
35.4
35.3
35.2
35.1
35
34.9
34.8

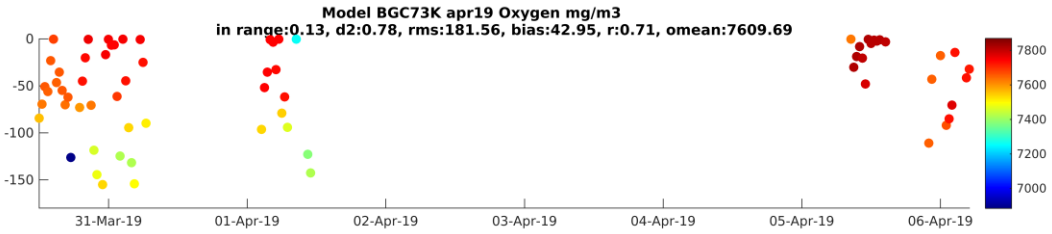

Glider BGC73K apr19 Temperature deg.C
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
16.5
16
15.5
15
14.5

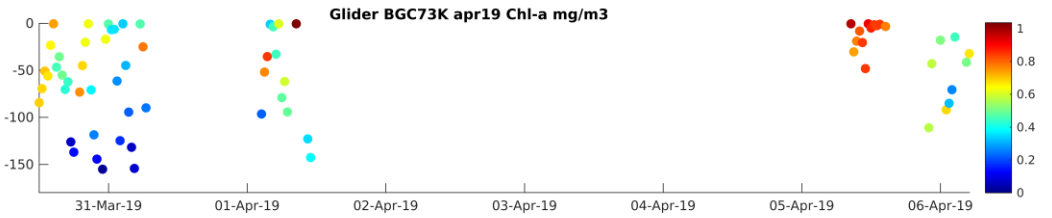

Model BGC73K apr19 Temperature deg.C
in range:0.04, d2:0.89, rms:0.44, bias:0.18, r:0.82, omean:15.82
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
16.5
16
15.5
15
14.5

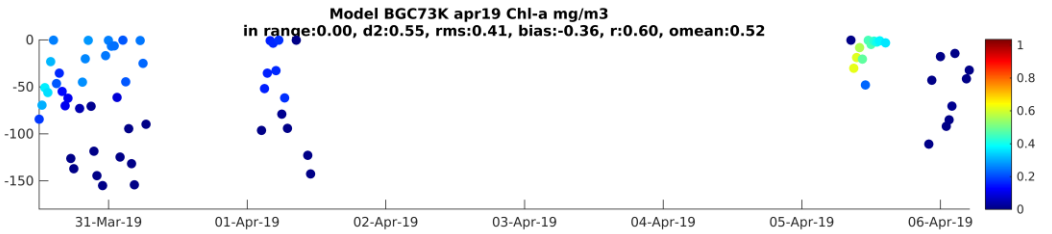

Glider BGC73K apr19 Nitrate mg/m3
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
70
60
50
40
30
20
10

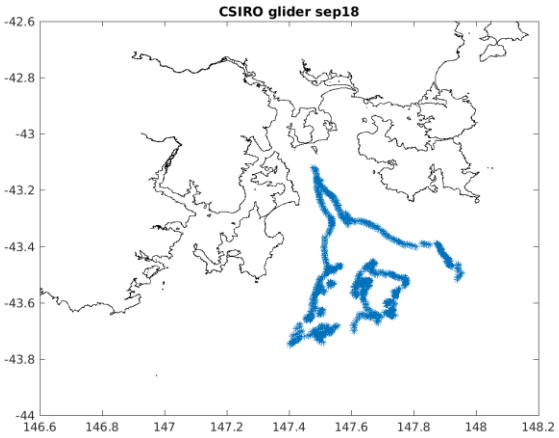

Model BGC73K apr19 Nitrate mg/m3
in range:0.10, d2:0.63, rms:20.27, bias:6.73, r:0.52, omean:11.81
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
70
60
50
40
30
20
10

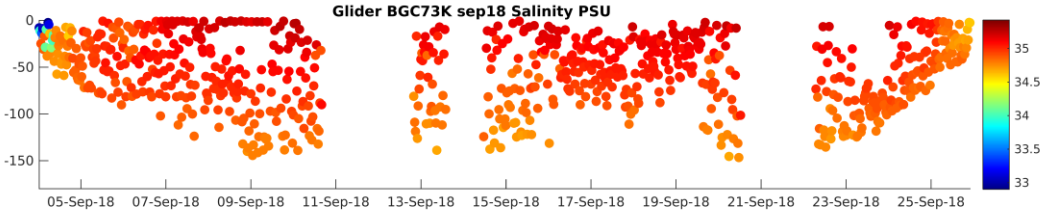

Glider BGC73K apr19 Oxygen mg/m3
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
7800
7600
7400
7200
7000

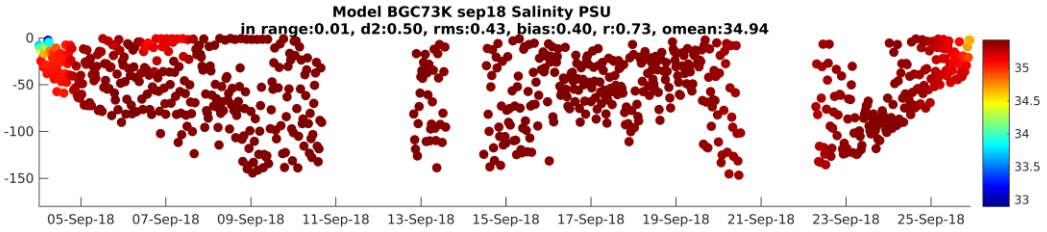

Model BGC73K apr19 Oxygen mg/m3
in range:0.13, d2:0.78, rms:181.56, bias:42.95, r:0.71, omean:7609.69
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
7800
7600
7400
7200
7000

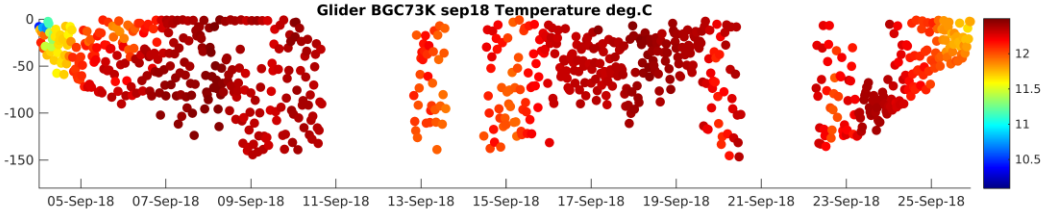

Glider BGC73K apr19 Chl-a mg/m3
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
1
0.8
0.6
0.4
0.2
0

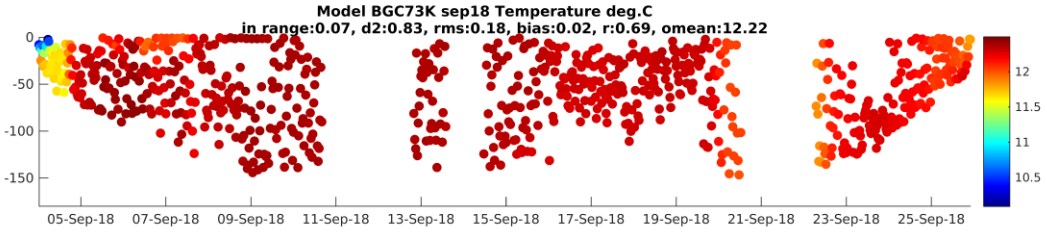

Model BGC73K apr19 Chl-a mg/m3
in range:0.00, d2:0.55, rms:0.41, bias:-0.36, r:0.60, omean:0.52
0
-50
-100
-150
31-Mar-19
01-Apr-19
02-Apr-19
03-Apr-19
04-Apr-19
05-Apr-19
06-Apr-19
1
0.8
0.6
0.4
0.2
0

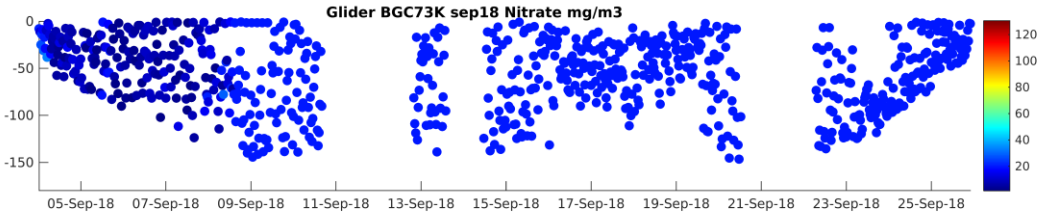

CSIRO glider sep18
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

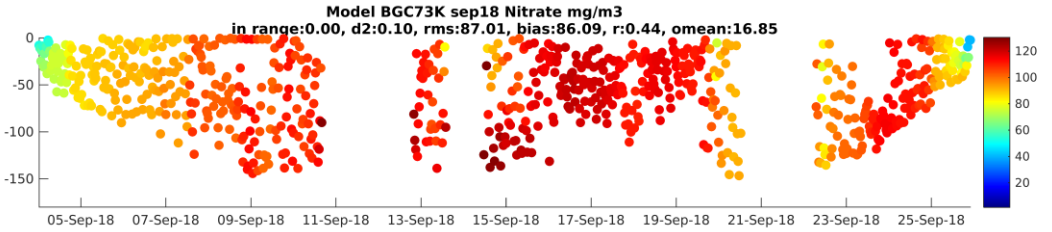

Glider BGC73K sep18 Salinity PSU
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
35
34.5
34
33.5
33

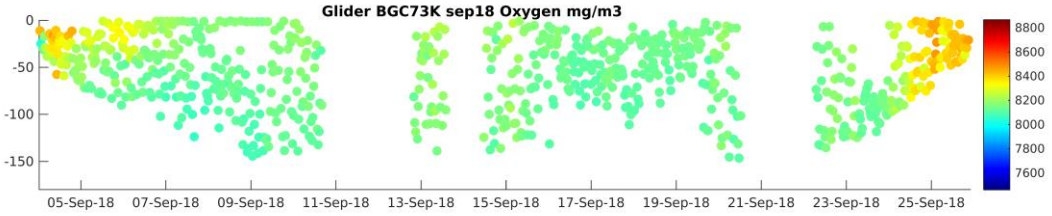

Model BGC73K sep18 Salinity PSU
in range:0.01, d2:0.50, rms:0.43, bias:0.40, r:0.73, omean:34.94
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
35
34.5
34
33.5
33

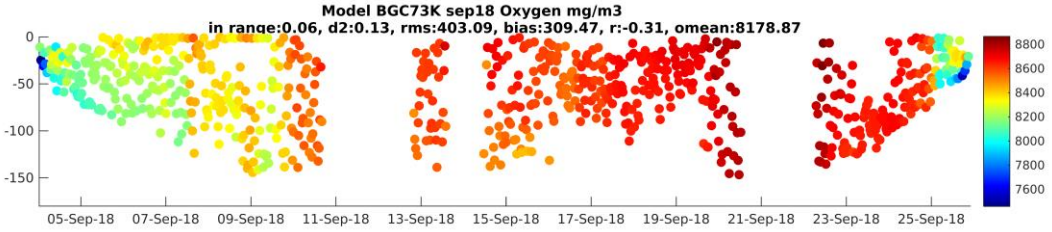

Glider BGC73K sep18 Temperature deg.C
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
12
11.5
11
10.5

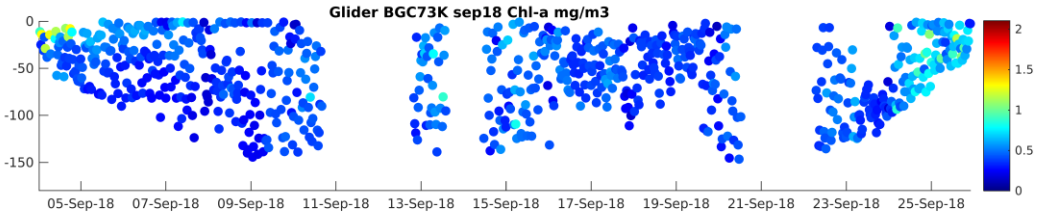

Model BGC73K sep18 Temperature deg.C
in range:0.07, d2:0.83, rms:0.18, bias:0.02, r:0.69, omean:12.22
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
12
11.5
11
10.5

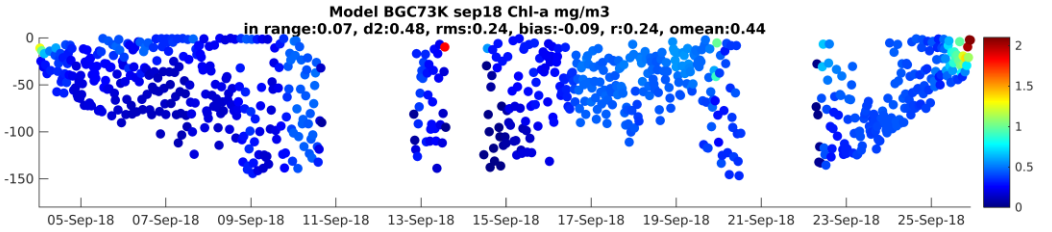

Glider BGC73K sep18 Nitrate mg/m3
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
120
100
80
60
40
20

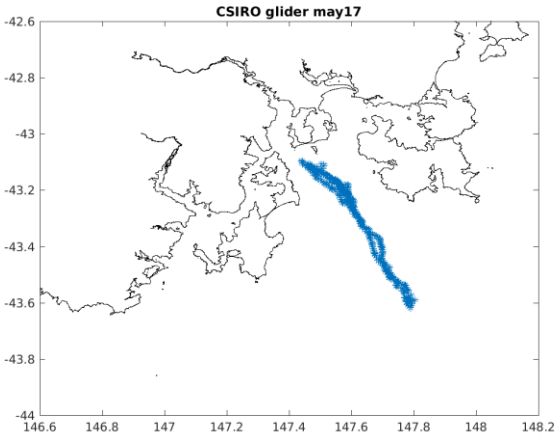

Model BGC73K sep18 Nitrate mg/m3
in range:0.00, d2:0.10, rms:87.01, bias:86.09, r:0.44, omean:16.85
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
120
100
80
60
40
20

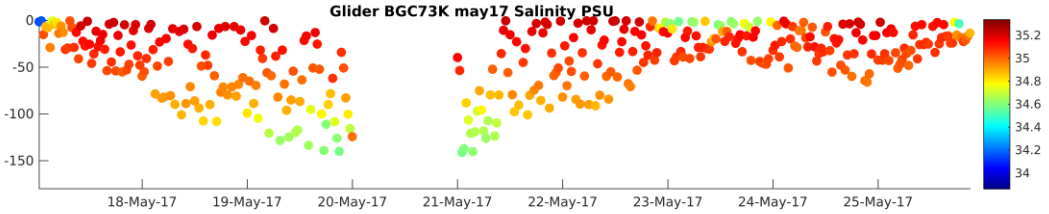

Glider BGC73K sep18 Oxygen mg/m3
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
8800
8600
8400
8200
8000
7800
7600

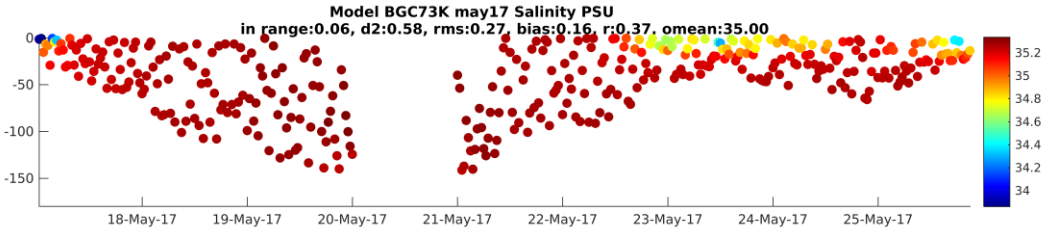

Model BGC73K sep18 Oxygen mg/m3
in range:0.06, d2:0.13, rms:403.09, bias:309.47, r:-0.31, omean:8178.87
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
8800
8600
8400
8200
8000
7800
7600

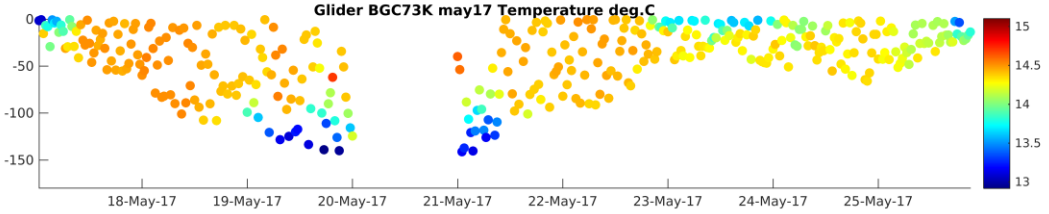

Glider BGC73K sep18 Chl-a mg/m3
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
2
1.5
1
0.5
0

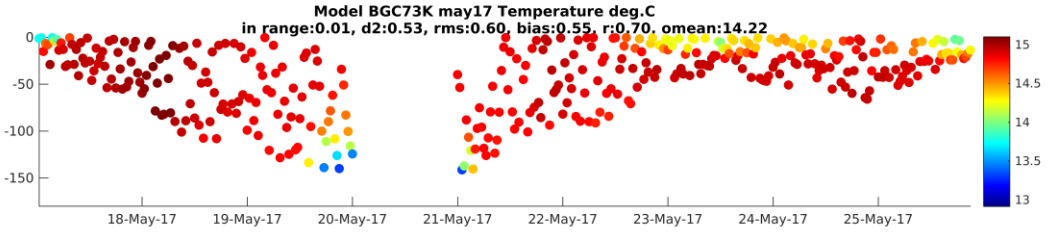

Model BGC73K sep18 Chl-a mg/m3
in range:0.07, d2:0.48, rms:0.24, bias:-0.09, r:0.24, omean:0.44
0
-50
-100
-150
05-Sep-18
07-Sep-18
09-Sep-18
11-Sep-18
13-Sep-18
15-Sep-18
17-Sep-18
19-Sep-18
21-Sep-18
23-Sep-18
25-Sep-18
2
1.5
1
0.5
0

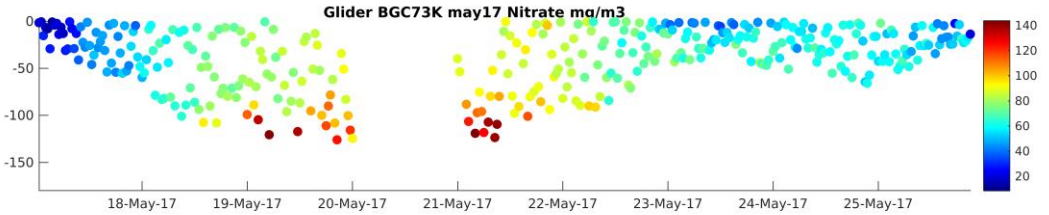

CSIRO glider may17
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

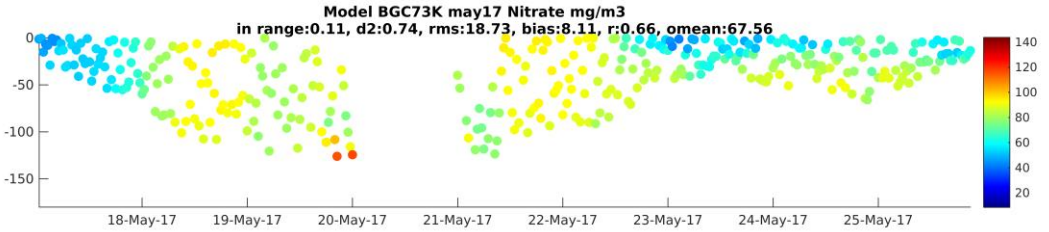

Glider BGC73K may17 Salinity PSU
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
35.2
35
34.8
34.6
34.4
34.2
34

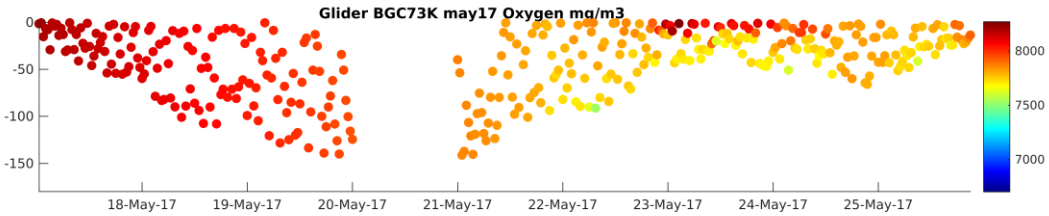

Model BGC73K may17 Salinity PSU
in range:0.06, d2:0.58, rms:0.27, bias:0.16, r:0.37, omean:35.00
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
35.2
35
34.8
34.6
34.4
34.2
34

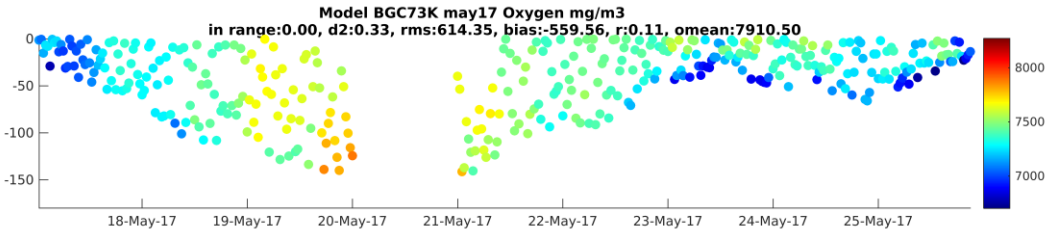

Glider BGC73K may17 Temperature deg.C
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
15
14.5
14
13.5
13

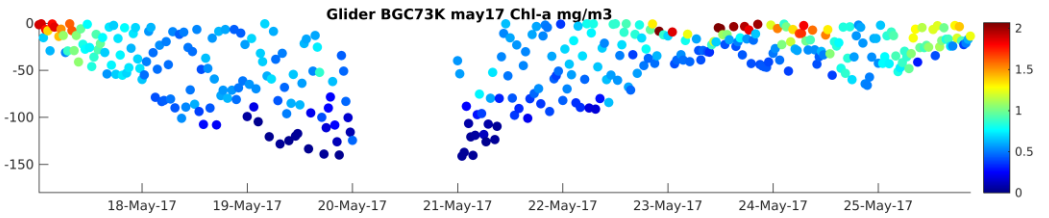

Model BGC73K may17 Temperature deg.C
in range:0.01, d2:0.53, rms:0.60, bias:0.55, r:0.70, omean:14.22
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
15
14.5
14
13.5
13

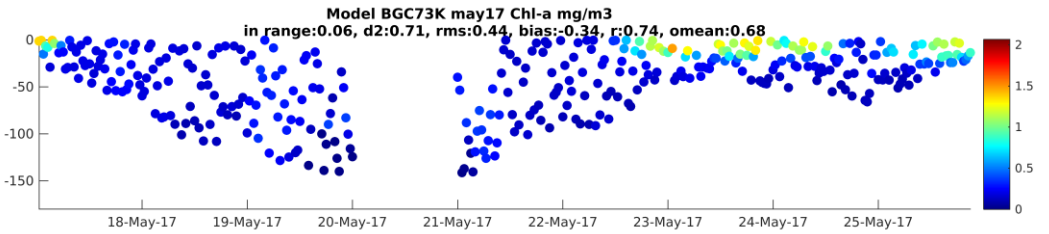

Glider BGC73K may17 Nitrate mg/m3
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
140
120
100
80
60
40
20

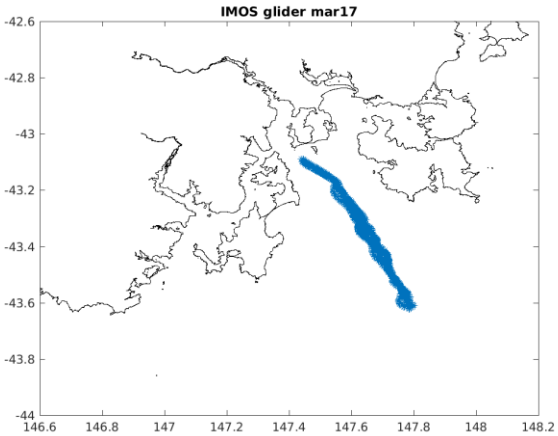

Model BGC73K may17 Nitrate mg/m3
in range:0.11, d2:0.74, rms:18.73, bias:8.11, r:0.66, omean:67.56
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
140
120
100
80
60
40
20

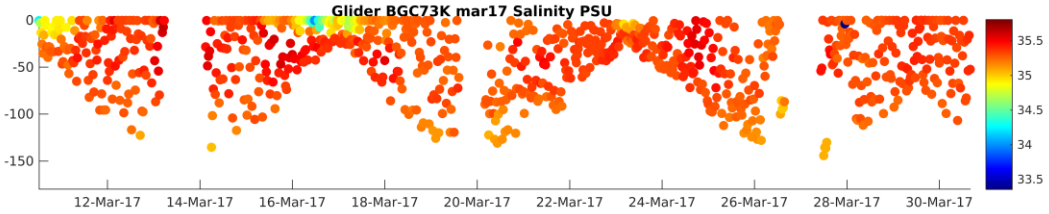

Glider BGC73K may17 Oxygen mg/m3
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
8000
7500
7000

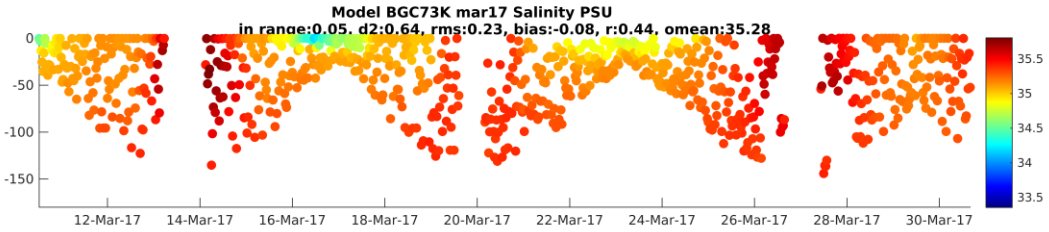

Model BGC73K may17 Oxygen mg/m3
in range:0.00, d2:0.33, rms:614.35, bias:-559.56, r:0.11, omean:7910.50
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
8000
7500
7000

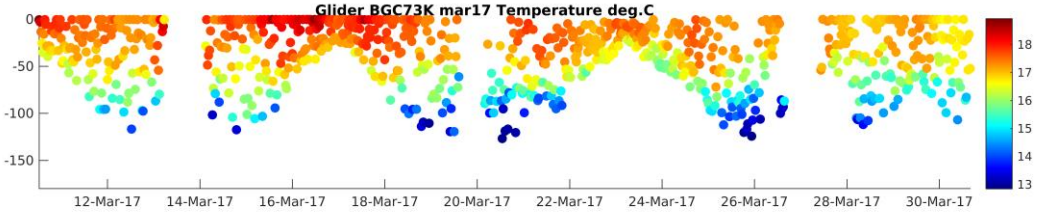

Glider BGC73K may17 Chl-a mg/m3
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
2
1.5
1
0.5
0

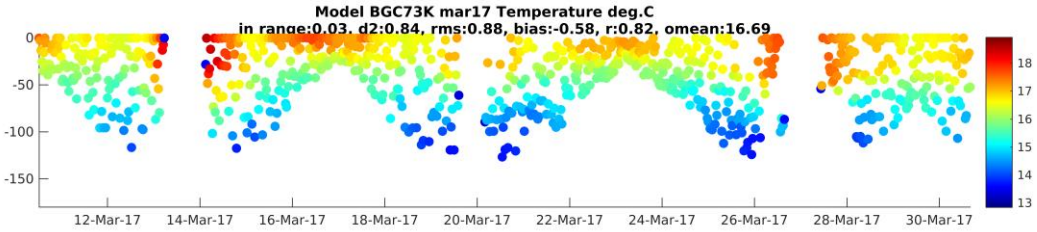

Model BGC73K may17 Chl-a mg/m3
in range:0.06, d2:0.71, rms:0.44, bias:-0.34, r:0.74, omean:0.68
0
-50
-100
-150
18-May-17
19-May-17
20-May-17
21-May-17
22-May-17
23-May-17
24-May-17
25-May-17
2
1.5
1
0.5
0

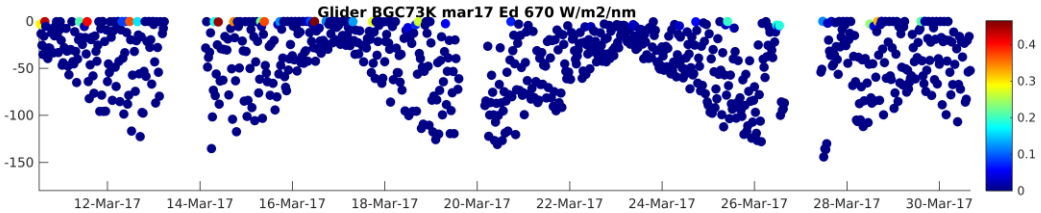

IMOS glider mar17
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

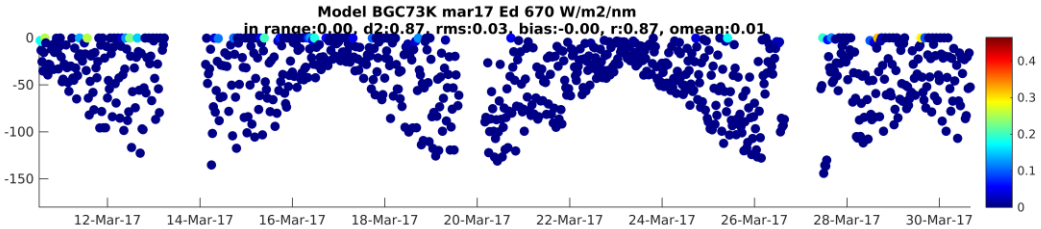

Glider BGC73K mar17 Salinity PSU
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
35.5
35
34.5
34
33.5

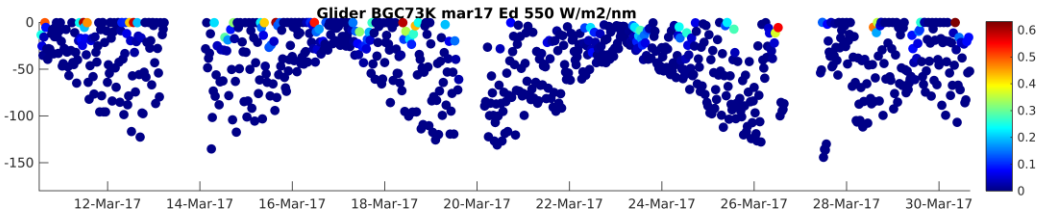

Model BGC73K mar17 Salinity PSU
in range:0.05, d2:0.64, rms:0.23, bias:-0.08, r:0.44, omean:35.28
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
35.5
35
34.5
34
33.5

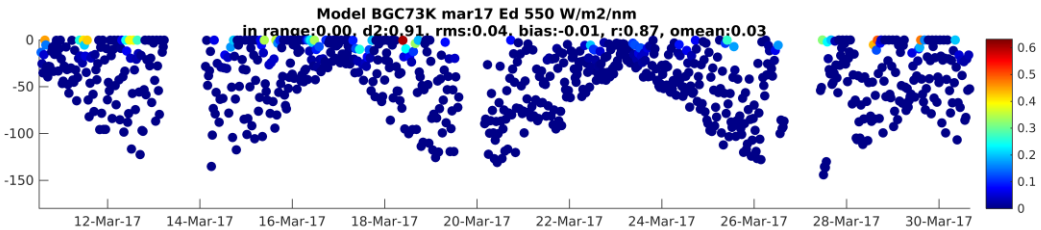

Glider BGC73K mar17 Temperature deg.C
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
18
17
16
15
14
13

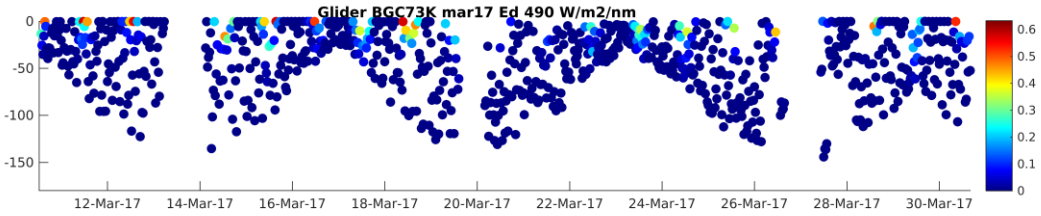

Model BGC73K mar17 Temperature deg.C
in range:0.03, d2:0.84, rms:0.88, bias:-0.58, r:0.82, omean:16.69
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
18
17
16
15
14
13

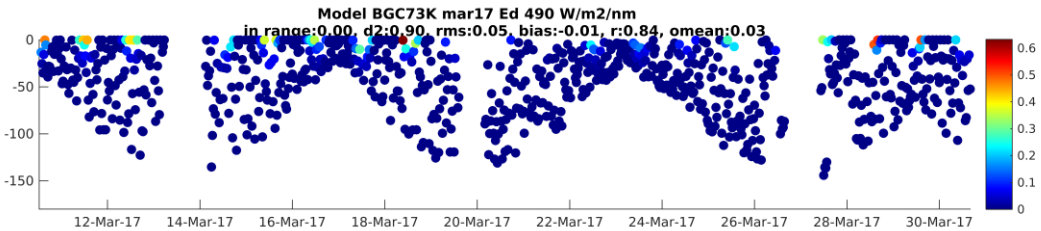

Glider BGC73K mar17 Ed 670 W/m2/nm
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.4
0.3
0.2
0.1
0

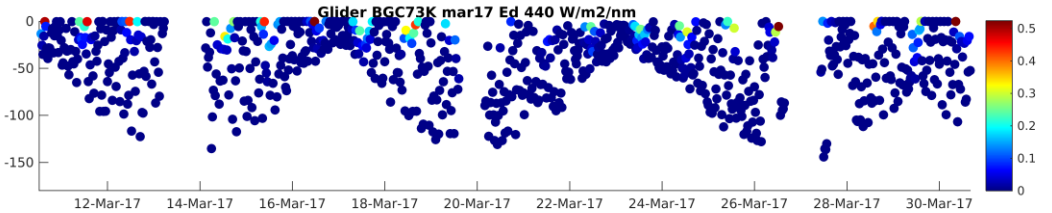

Model BGC73K mar17 Ed 670 W/m2/nm
in range:0.00, d2:0.87, rms:0.03, bias:-0.00, r:0.87, omean:0.01
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.4
0.3
0.2
0.1
0

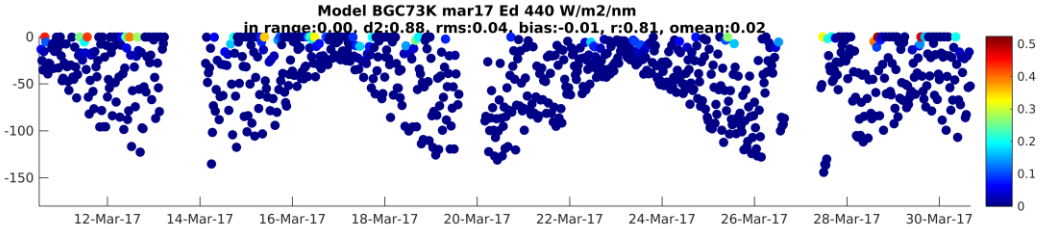

Glider BGC73K mar17 Ed 550 W/m2/nm
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.6
0.5
0.4
0.3
0.2
0.1
0

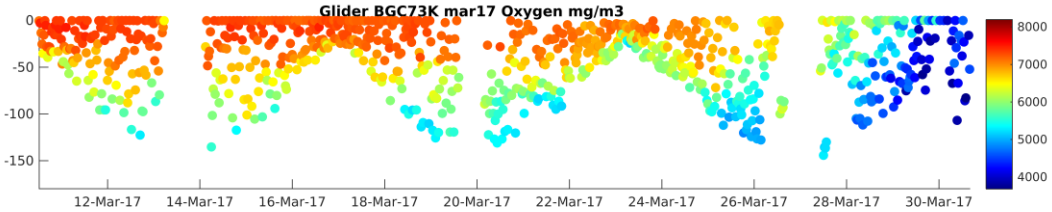

Model BGC73K mar17 Ed 550 W/m2/nm
in range:0.00, d2:0.91, rms:0.04, bias:-0.01, r:0.87, omean:0.03
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.6
0.5
0.4
0.3
0.2
0.1
0

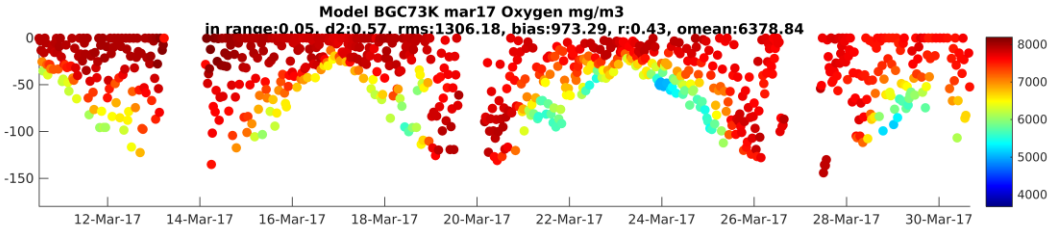

Glider BGC73K mar17 Ed 490 W/m2/nm
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.6
0.5
0.4
0.3
0.2
0.1
0

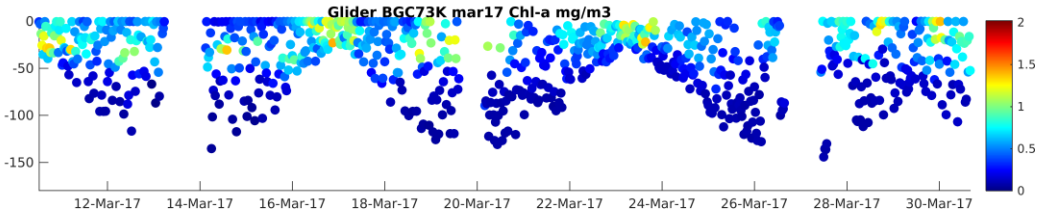

Model BGC73K mar17 Ed 490 W/m2/nm
in range:0.00, d2:0.90, rms:0.05, bias:-0.01, r:0.84, omean:0.03
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.6
0.5
0.4
0.3
0.2
0.1
0

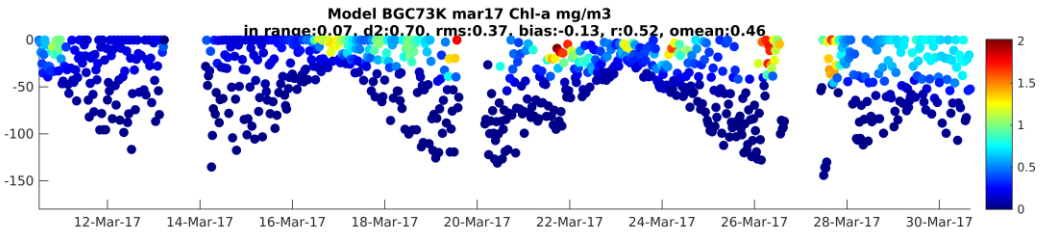

Glider BGC73K mar17 Ed 440 W/m2/nm
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.5
0.4
0.3
0.2
0.1
0

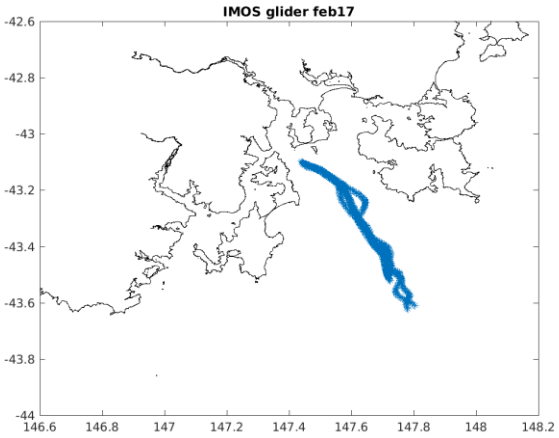

Model BGC73K mar17 Ed 440 W/m2/nm
in range:0.00, d2:0.88, rms:0.04, bias:-0.01, r:0.81, omean:0.02
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
0.5
0.4
0.3
0.2
0.1
0

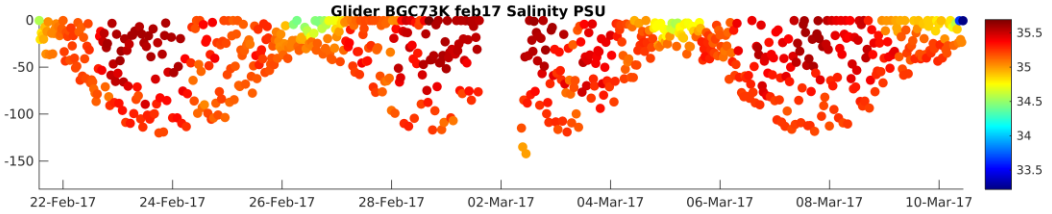

Glider BGC73K mar17 Oxygen mg/m3
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
8000
7000
6000
5000
4000

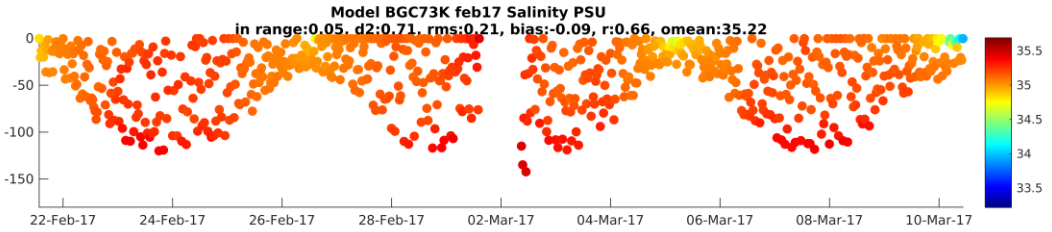

Model BGC73K mar17 Oxygen mg/m3
in range:0.05, d2:0.57, rms:1306.18, bias:973.29, r:0.43, omean:6378.84
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
8000
7000
6000
5000
4000

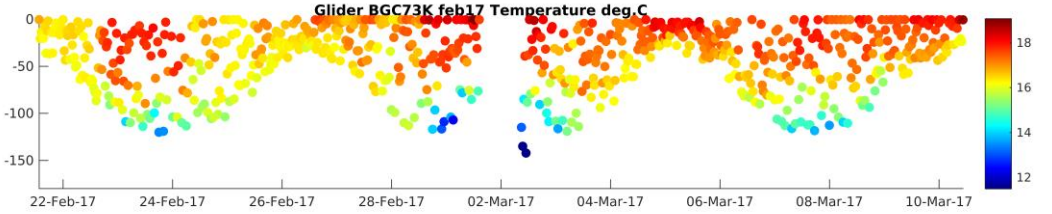

Glider BGC73K mar17 Chl-a mg/m3
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
2
1.5
1
0.5
0

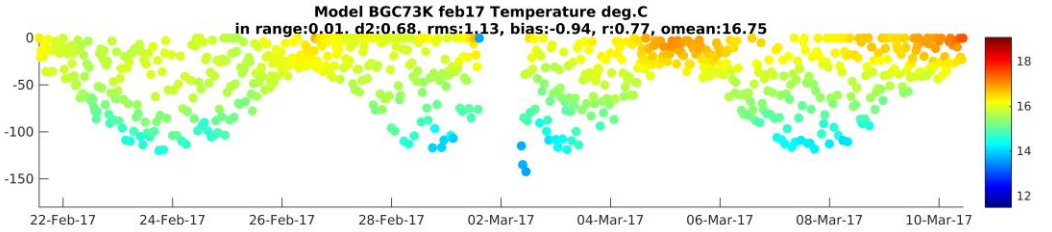

Model BGC73K mar17 Chl-a mg/m3
in range:0.07, d2:0.70, rms:0.37, bias:-0.13, r:0.52, omean:0.46
0
-50
-100
-150
12-Mar-17
14-Mar-17
16-Mar-17
18-Mar-17
20-Mar-17
22-Mar-17
24-Mar-17
26-Mar-17
28-Mar-17
30-Mar-17
2
1.5
1
0.5
0

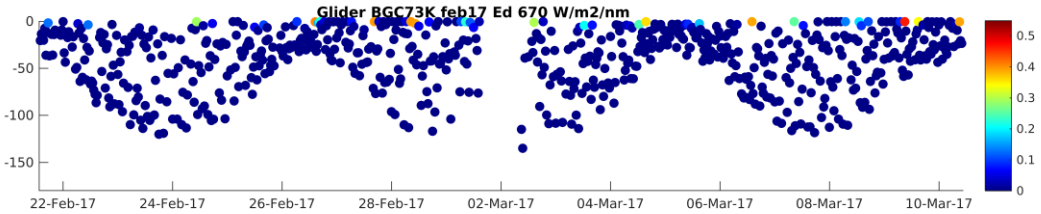

IMOS glider feb17
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

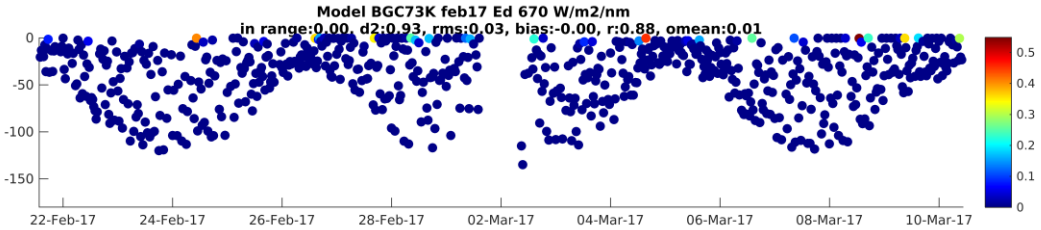

Glider BGC73K feb17 Salinity PSU
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
35.5
35
34.5
34
33.5

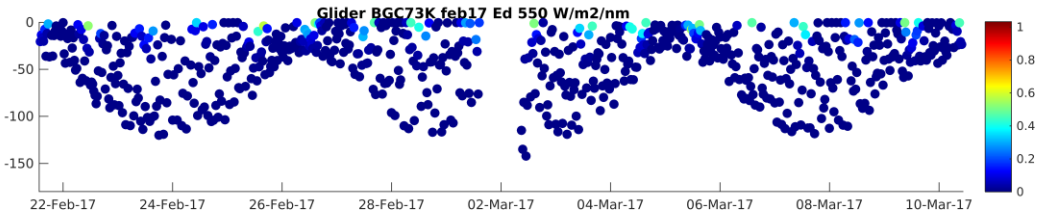

Model BGC73K feb17 Salinity PSU
in range:0.05, d2:0.71, rms:0.21, bias:-0.09, r:0.66, omean:35.22
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
35.5
35
34.5
34
33.5

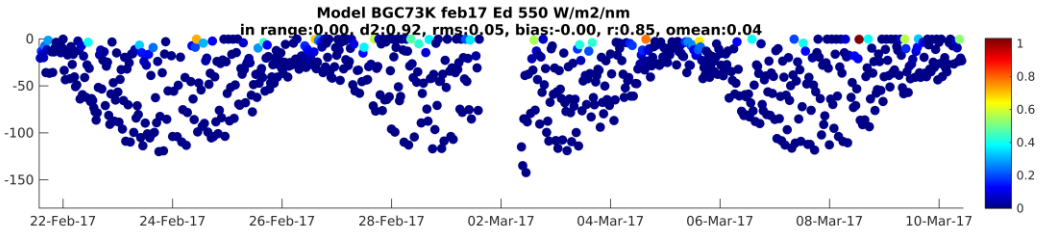

Glider BGC73K feb17 Temperature deg.C
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
18
16
14
12

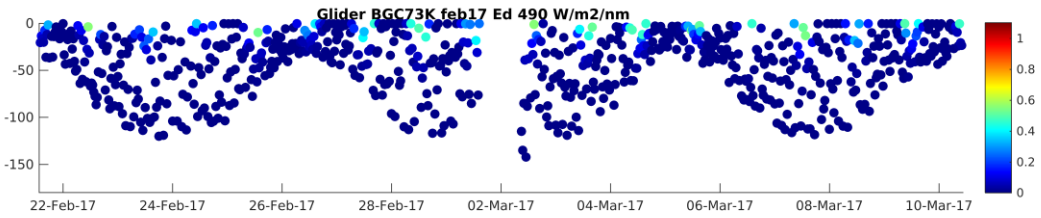

Model BGC73K feb17 Temperature deg.C
in range:0.01, d2:0.68, rms:1.13, bias:-0.94, r:0.77, omean:16.75
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
18
16
14
12

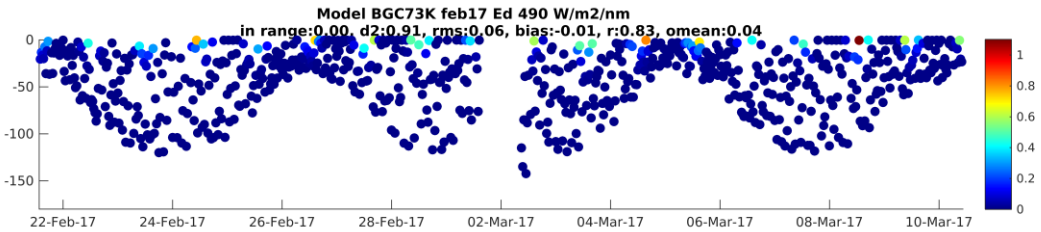

Glider BGC73K feb17 Ed 670 W/m2/nm
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
0.5
0.4
0.3
0.2
0.1
0

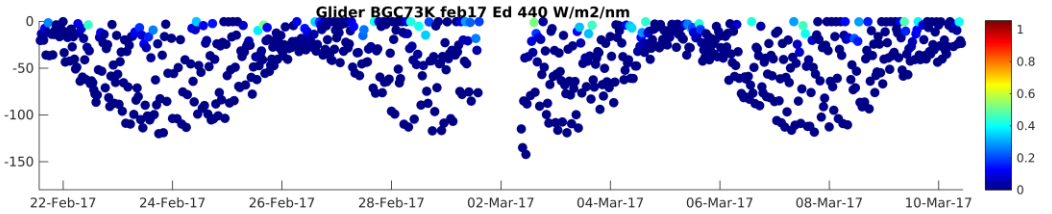

Model BGC73K feb17 Ed 670 W/m2/nm
in range:0.00, d2:0.93, rms:0.03, bias:-0.00, r:0.88, omean:0.01
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
0.5
0.4
0.3
0.2
0.1
0

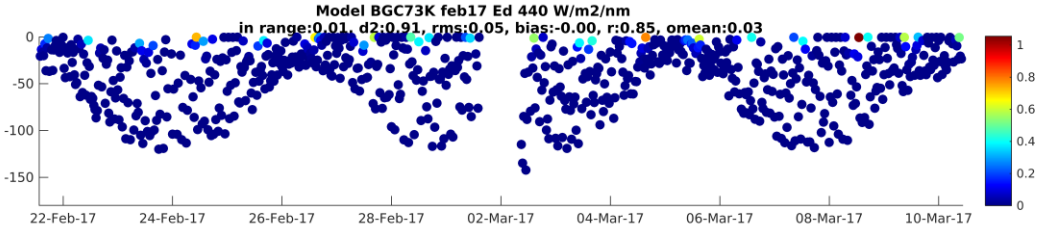

Glider BGC73K feb17 Ed 550 W/m2/nm
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
1
0.8
0.6
0.4
0.2
0

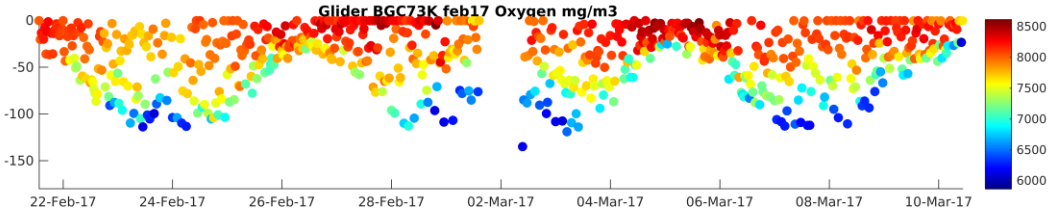

Model BGC73K feb17 Ed 550 W/m2/nm
in range:0.00, d2:0.92, rms:0.05, bias:-0.00, r:0.85, omean:0.04
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
1
0.8
0.6
0.4
0.2
0

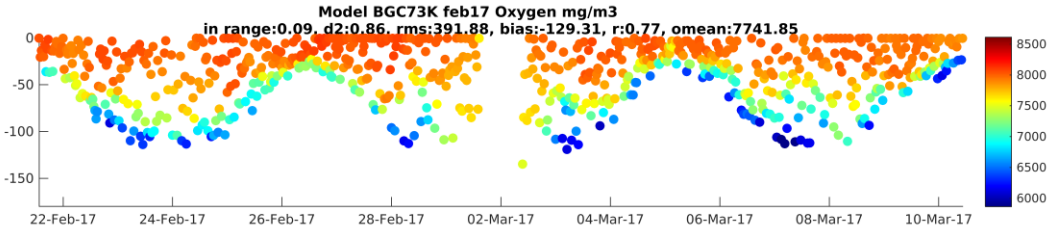

Glider BGC73K feb17 Ed 490 W/m2/nm
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
1
0.8
0.6
0.4
0.2
0

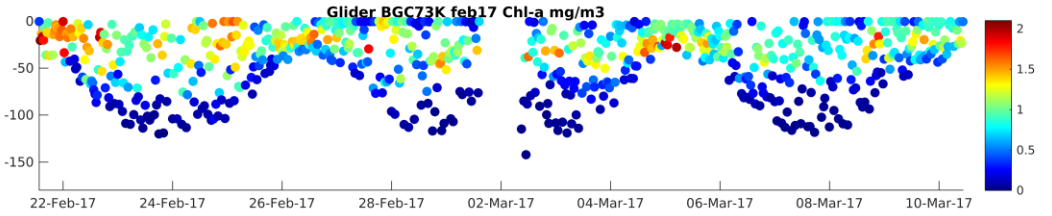

Model BGC73K feb17 Ed 490 W/m2/nm
in range:0.00, d2:0.91, rms:0.06, bias:-0.01, r:0.83, omean:0.04
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
1
0.8
0.6
0.4
0.2
0

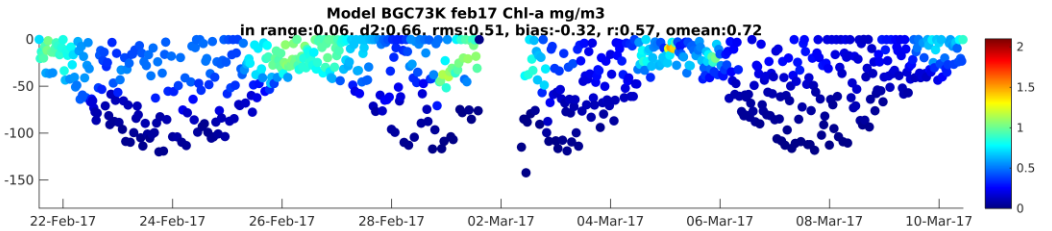

Glider BGC73K feb17 Ed 440 W/m2/nm
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
1
0.8
0.6
0.4
0.2
0

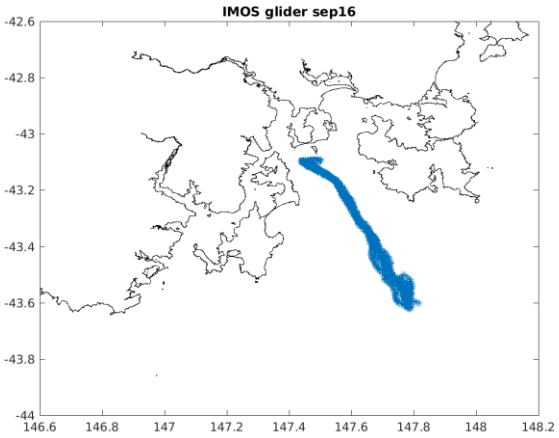

Model BGC73K feb17 Ed 440 W/m2/nm
in range:0.01, d2:0.91, rms:0.05, bias:-0.00, r:0.85, omean:0.03
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
1
0.8
0.6
0.4
0.2
0

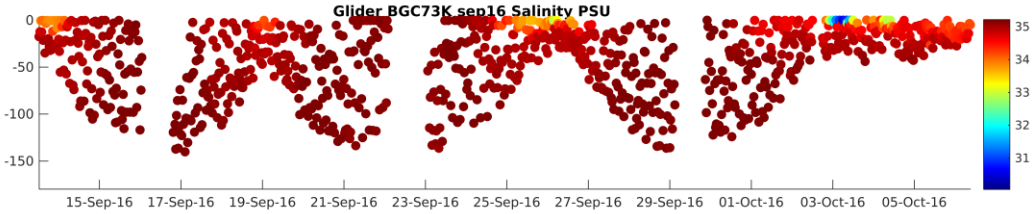

Glider BGC73K feb17 Oxygen mg/m3
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
8500
8000
7500
7000
6500
6000

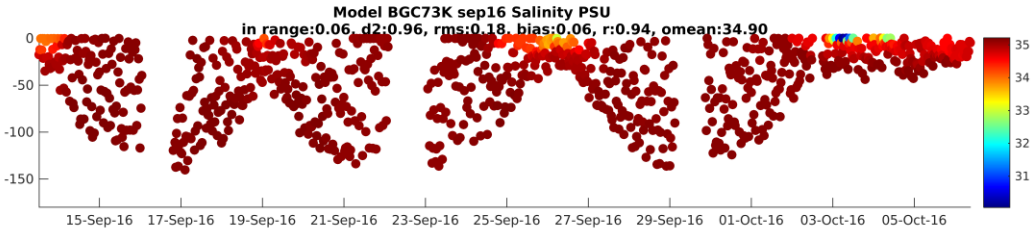

Model BGC73K feb17 Oxygen mg/m3
in range:0.09, d2:0.86, rms:391.88, bias:-129.31, r:0.77, omean:7741.85
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
8500
8000
7500
7000
6500
6000

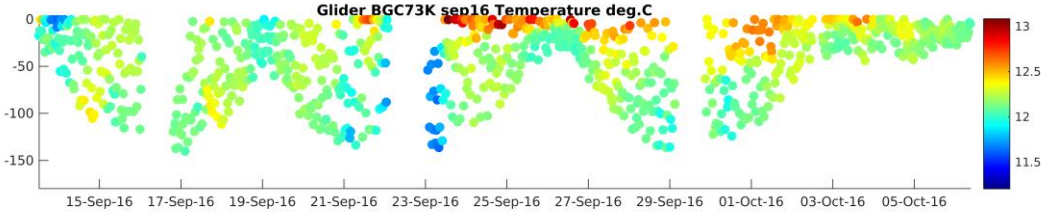

Glider BGC73K feb17 Chl-a mg/m3
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
2
1.5
1
0.5
0

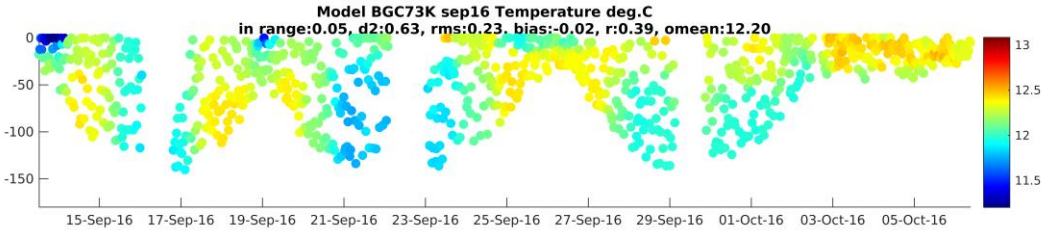

Model BGC73K feb17 Chl-a mg/m3
in range:0.06, d2:0.66, rms:0.51, bias:-0.32, r:0.57, omean:0.72
0
-50
-100
-150
22-Feb-17
24-Feb-17
26-Feb-17
28-Feb-17
02-Mar-17
04-Mar-17
06-Mar-17
08-Mar-17
10-Mar-17
2
1.5
1
0.5
0

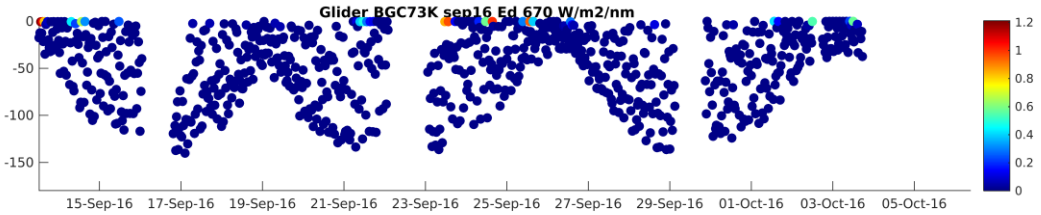

IMOS glider sep16
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

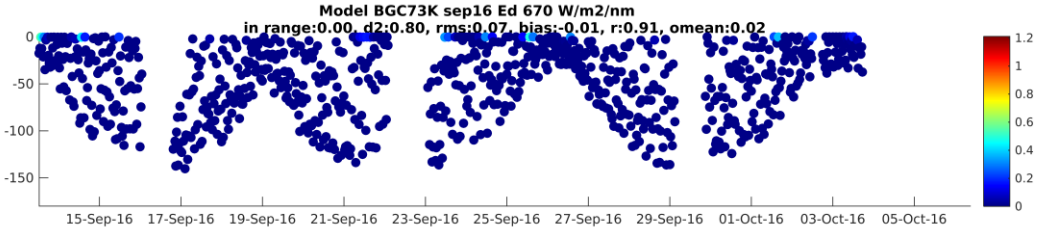

Glider BGC73K sep16 Salinity PSU
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
35
34
33
32
31

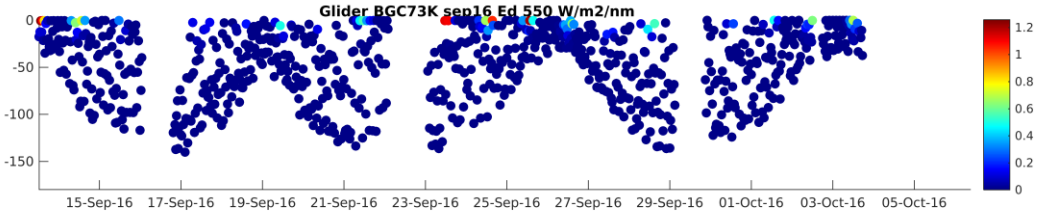

Model BGC73K sep16 Salinity PSU
in range:0.06, d2:0.96, rms:0.18, bias:0.06, r:0.94, omean:34.90
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
35
34
33
32
31

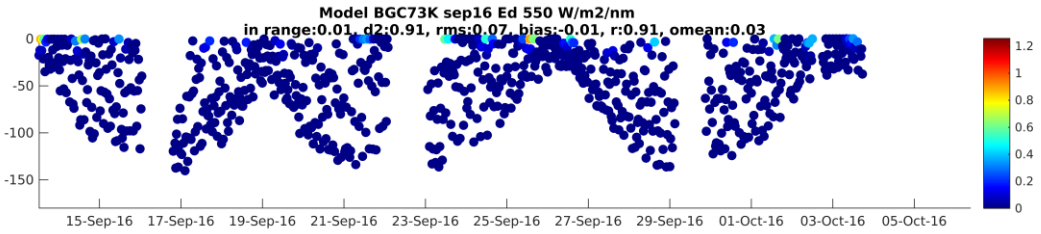

Glider BGC73K sep16 Temperature deg.C
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
13
12.5
12
11.5

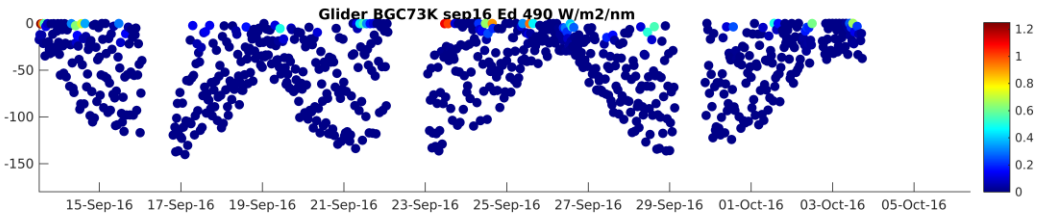

Model BGC73K sep16 Temperature deg.C
in range:0.05, d2:0.63, rms:0.23, bias:-0.02, r:0.39, omean:12.20
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
13
12.5
12
11.5

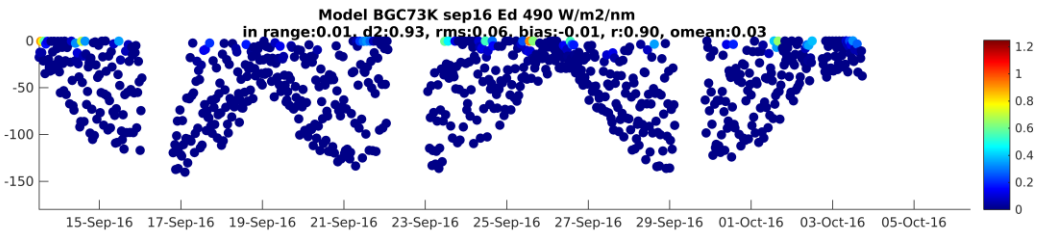

Glider BGC73K sep16 Ed 670 W/m2/nm
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1.2
1
0.8
0.6
0.4
0.2
0

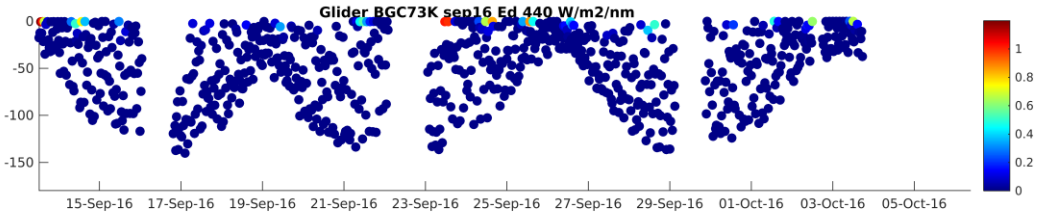

Model BGC73K sep16 Ed 670 W/m2/nm
in range:0.00, d2:0.80, rms:0.07, bias:-0.01, r:0.91, omean:0.02
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1.2
1
0.8
0.6
0.4
0.2
0

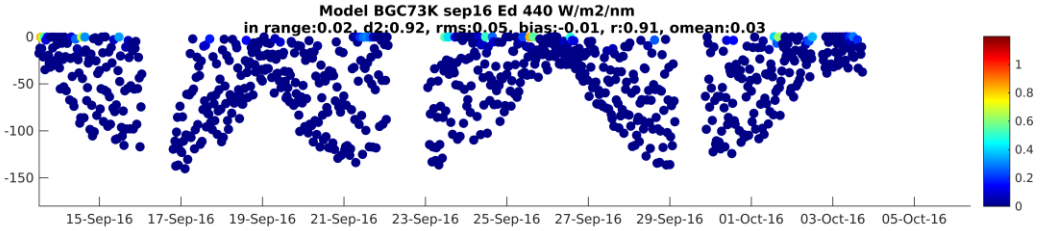

Glider BGC73K sep16 Ed 550 W/m2/nm
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1.2
1
0.8
0.6
0.4
0.2
0

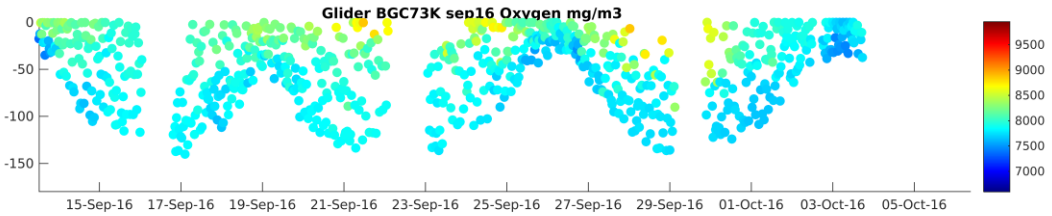

Model BGC73K sep16 Ed 550 W/m2/nm
in range:0.01, d2:0.91, rms:0.07, bias:-0.01, r:0.91, omean:0.03
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1.2
1
0.8
0.6
0.4
0.2
0

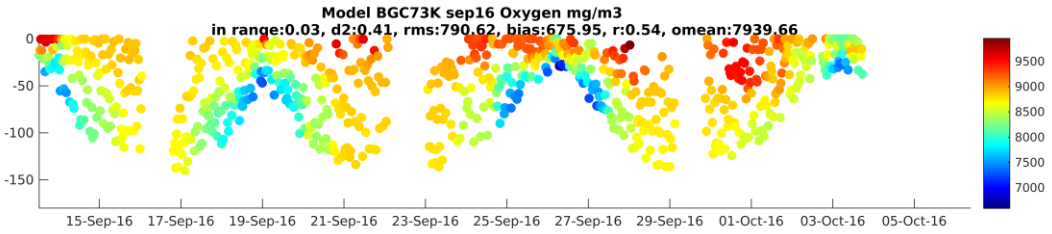

Glider BGC73K sep16 Ed 490 W/m2/nm
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1.2
1
0.8
0.6
0.4
0.2
0

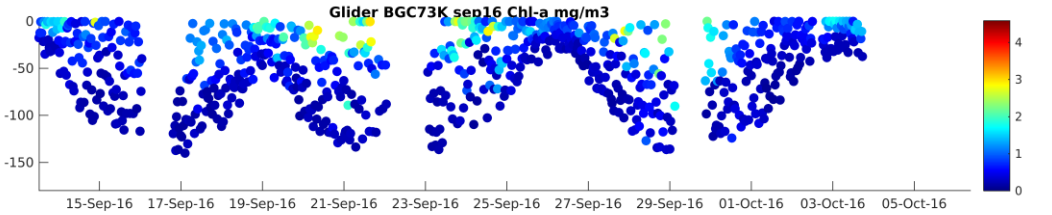

Model BGC73K sep16 Ed 490 W/m2/nm
in range:0.01, d2:0.93, rms:0.06, bias:-0.01, r:0.90, omean:0.03
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1.2
1
0.8
0.6
0.4
0.2
0

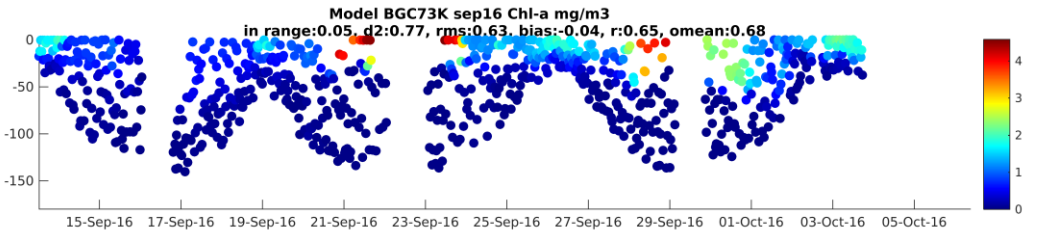

Glider BGC73K sep16 Ed 440 W/m2/nm
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1
0.8
0.6
0.4
0.2
0

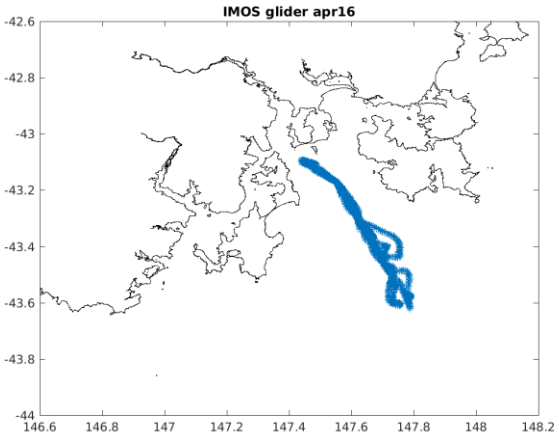

Model BGC73K sep16 Ed 440 W/m2/nm
in range:0.02, d2:0.92, rms:0.05, bias:-0.01, r:0.91, omean:0.03
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
1
0.8
0.6
0.4
0.2
0

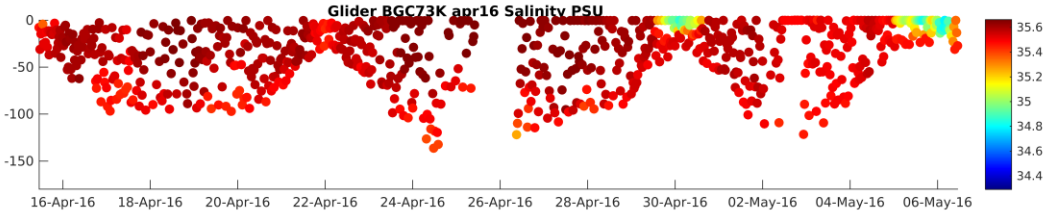

Glider BGC73K sep16 Oxygen mg/m3
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
9500
9000
8500
8000
7500
7000

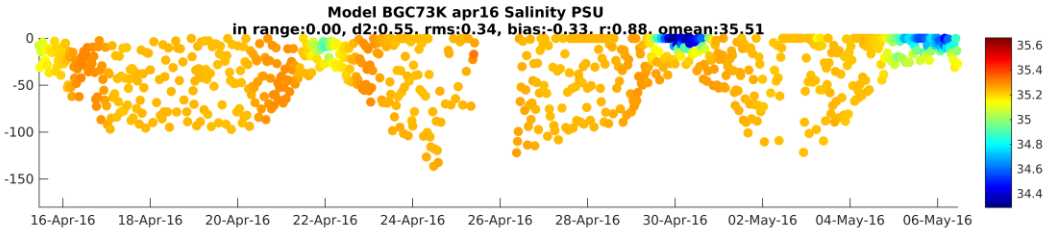

Model BGC73K sep16 Oxygen mg/m3
in range:0.03, d2:0.41, rms:790.62, bias:675.95, r:0.54, omean:7939.66
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
9500
9000
8500
8000
7500
7000

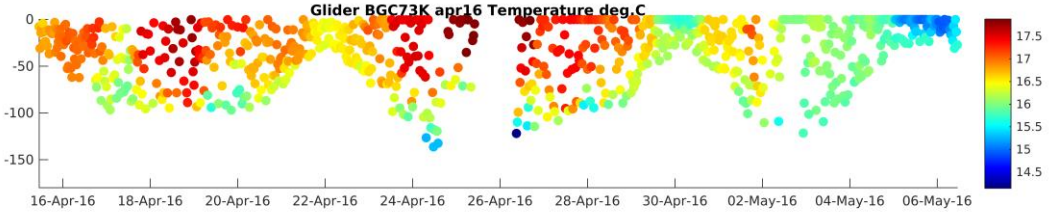

Glider BGC73K sep16 Chl-a mg/m3
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
4
3
2
1
0

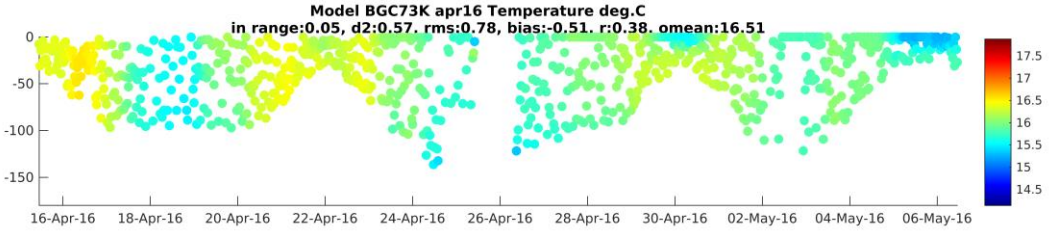

Model BGC73K sep16 Chl-a mg/m3
in range:0.05, d2:0.77, rms:0.63, bias:-0.04, r:0.65, omean:0.68
0
-50
-100
-150
15-Sep-16
17-Sep-16
19-Sep-16
21-Sep-16
23-Sep-16
25-Sep-16
27-Sep-16
29-Sep-16
01-Oct-16
03-Oct-16
05-Oct-16
4
3
2
1
0

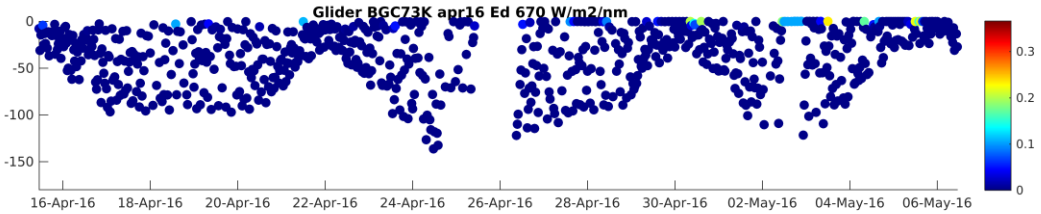

IMOS glider apr16
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

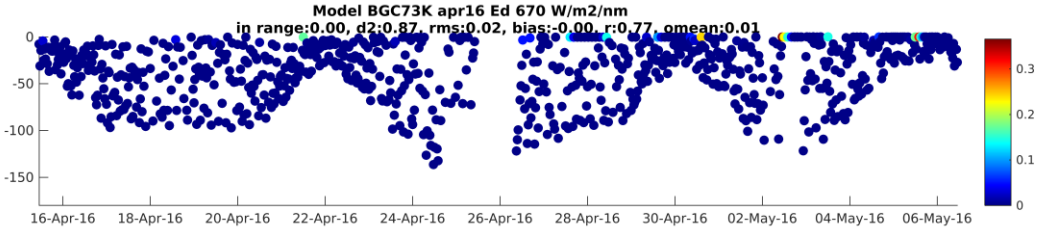

Glider BGC73K apr16 Salinity PSU
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
35.6
35.4
35.2
35
34.8
34.6
34.4

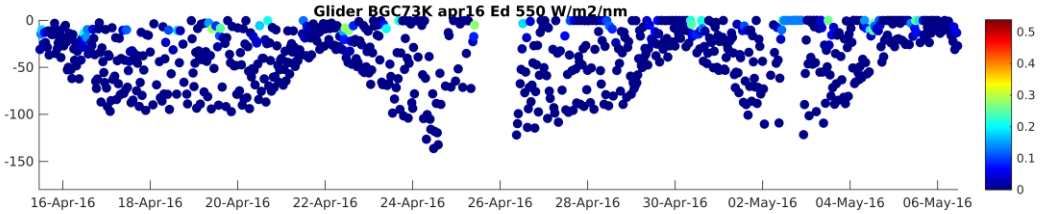

Model BGC73K apr16 Salinity PSU
in range:0.00, d2:0.55, rms:0.34, bias:-0.33, r:0.88, omean:35.51
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
35.6
35.4
35.2
35
34.8
34.6
34.4

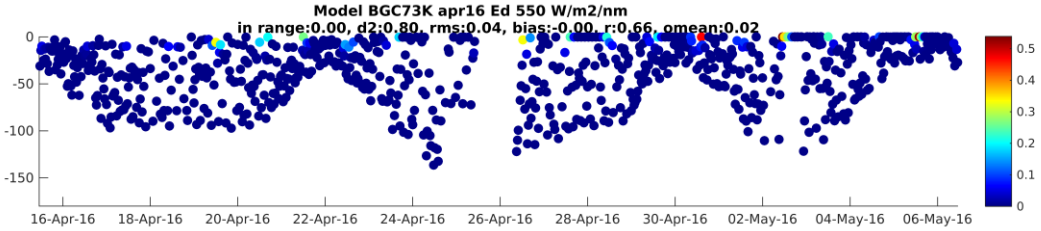

Glider BGC73K apr16 Temperature deg.C
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
17.5
17
16.5
16
15.5
15
14.5

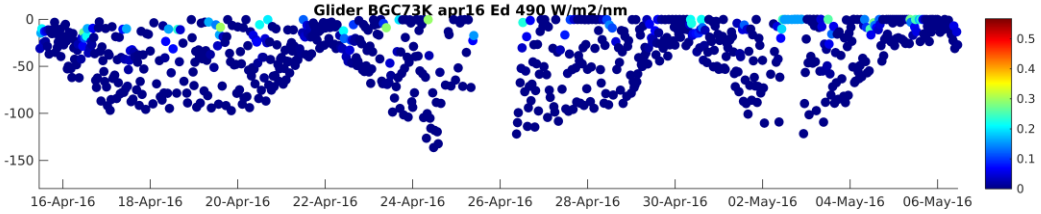

Model BGC73K apr16 Temperature deg.C
in range:0.05, d2:0.57, rms:0.78, bias:-0.51, r:0.38, omean:16.51
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
17.5
17
16.5
16
15.5
15
14.5

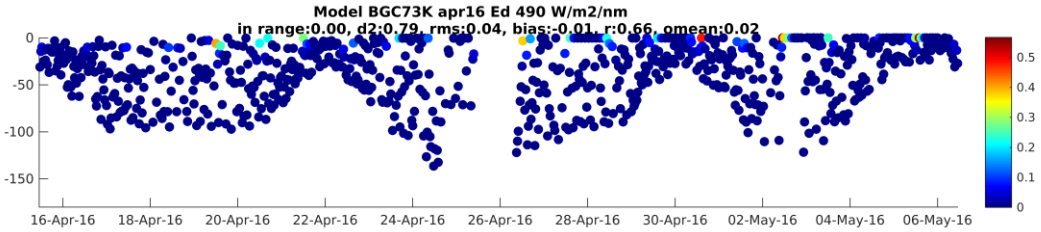

Glider BGC73K apr16 Ed 670 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.3
0.2
0.1
0

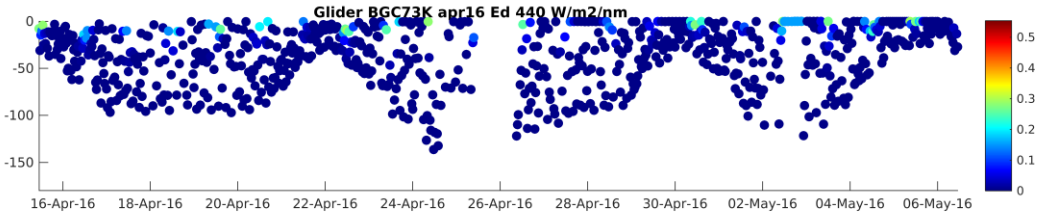

Model BGC73K apr16 Ed 670 W/m2/nm
in range:0.00, d2:0.87, rms:0.02, bias:-0.00, r:0.77, omean:0.01
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.3
0.2
0.1
0

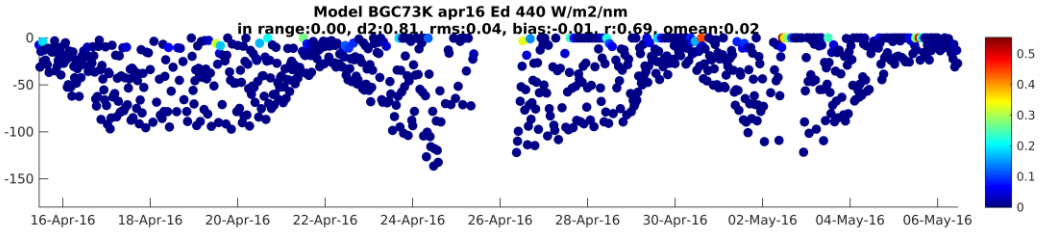

Glider BGC73K apr16 Ed 550 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

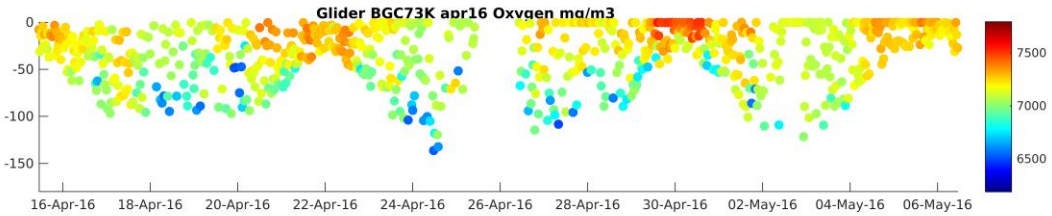

Model BGC73K apr16 Ed 550 W/m2/nm
in range:0.00, d2:0.80, rms:0.04, bias:-0.00, r:0.66, omean:0.02
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

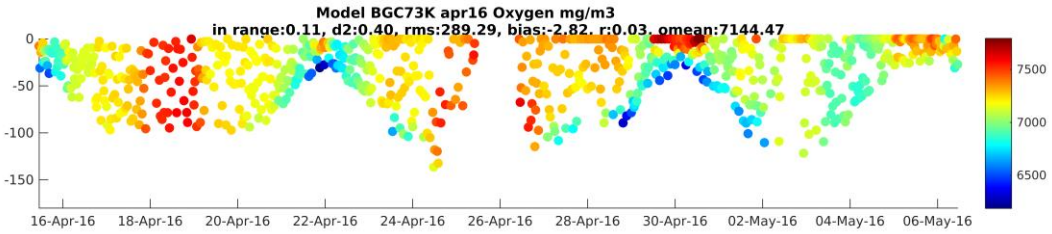

Glider BGC73K apr16 Ed 490 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

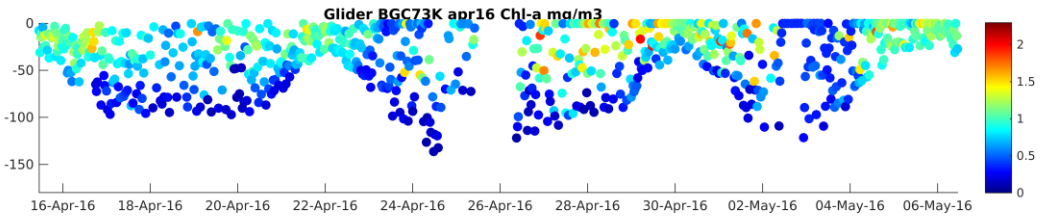

Model BGC73K apr16 Ed 490 W/m2/nm
in range:0.00, d2:0.79, rms:0.04, bias:-0.01, r:0.66, omean:0.02
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

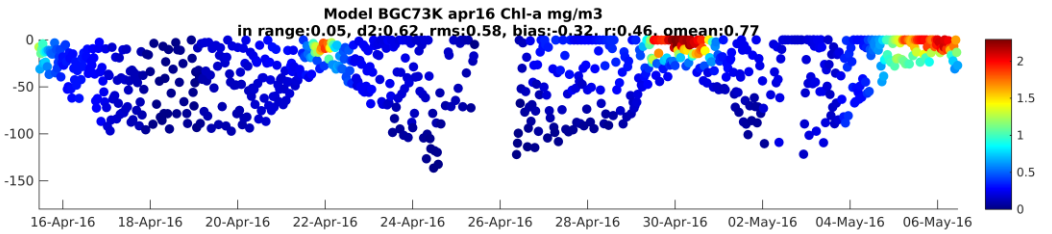

Glider BGC73K apr16 Ed 440 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

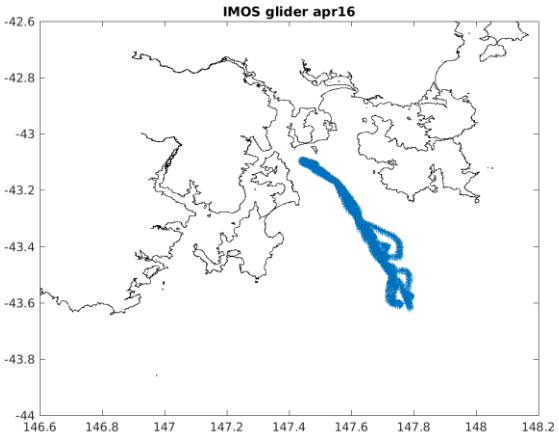

Model BGC73K apr16 Ed 440 W/m2/nm
in range:0.00, d2:0.81, rms:0.04, bias:-0.01, r:0.69, omean:0.02
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

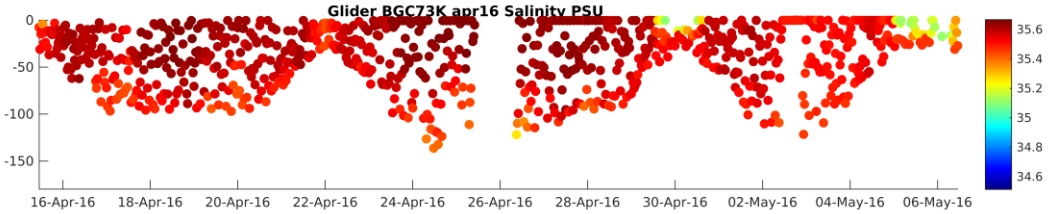

Glider BGC73K apr16 Oxygen mg/m3
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
7500
7000
6500

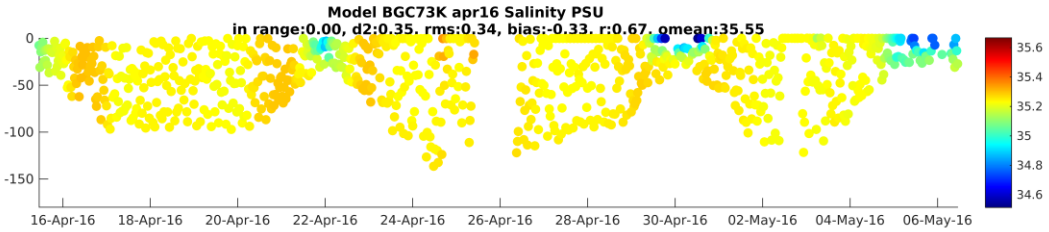

Model BGC73K apr16 Oxygen mg/m3
in range:0.11, d2:0.40, rms:289.29, bias:-2.82, r:0.03, omean:7144.47
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
7500
7000
6500

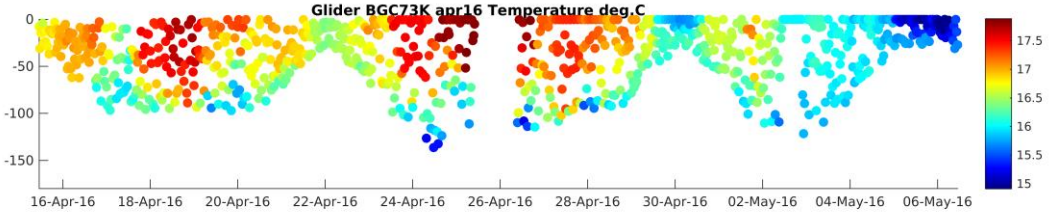

Glider BGC73K apr16 Chl-a mg/m3
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
2
1.5
1
0.5
0

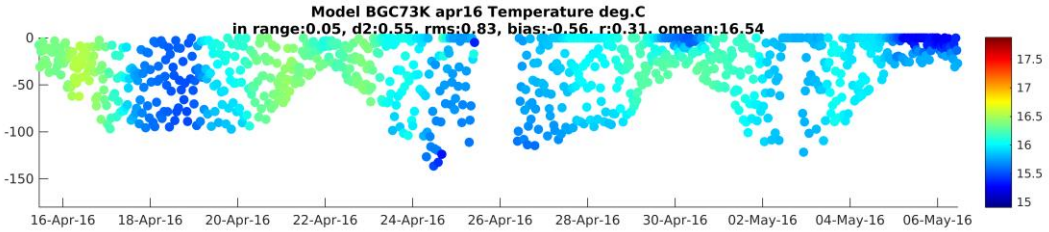

Model BGC73K apr16 Chl-a mg/m3
in range:0.05, d2:0.62, rms:0.58, bias:-0.32, r:0.46, omean:0.77
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
2
1.5
1
0.5
0

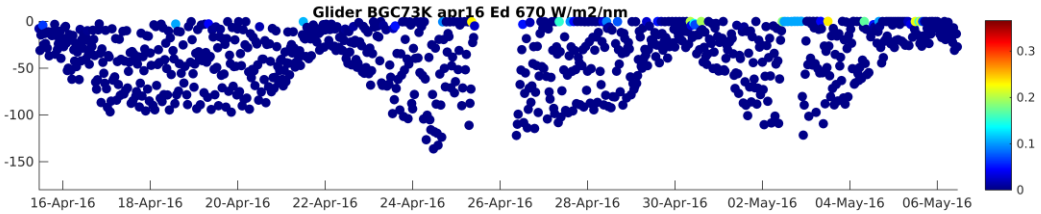

IMOS glider apr16
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

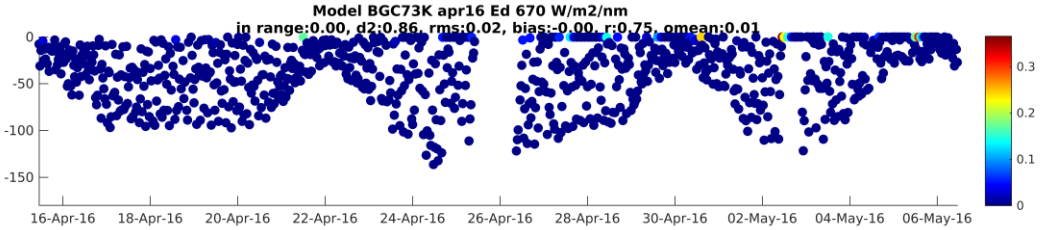

Glider BGC73K apr16 Salinity PSU
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
35.6
35.4
35.2
35
34.8
34.6

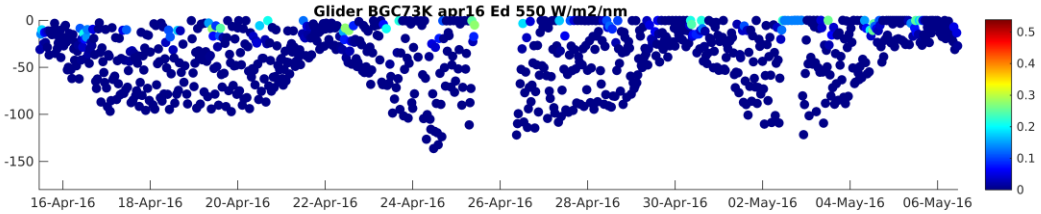

Model BGC73K apr16 Salinity PSU
in range:0.00, d2:0.35. rms:0.34, bias:-0.33. r:0.67. omean:35.55
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
35.6
35.4
35.2
35
34.8
34.6

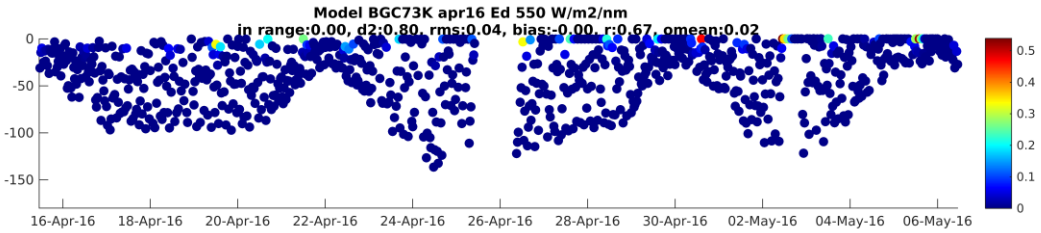

Glider BGC73K apr16 Temperature deg.C
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
17.5
17
16.5
16
15.5
15

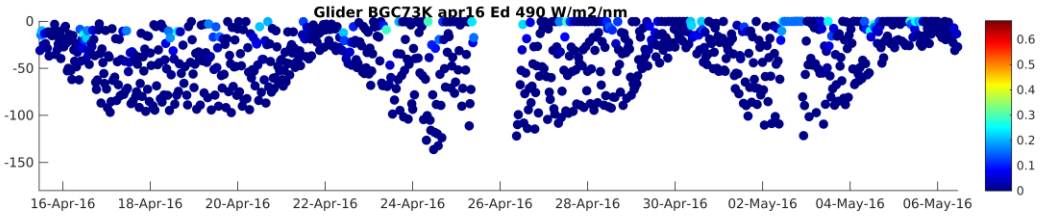

Model BGC73K apr16 Temperature deg.C
in range:0.05, d2:0.55. rms:0.83, bias:-0.56. r:0.31. omean:16.54
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
17.5
17
16.5
16
15.5
15

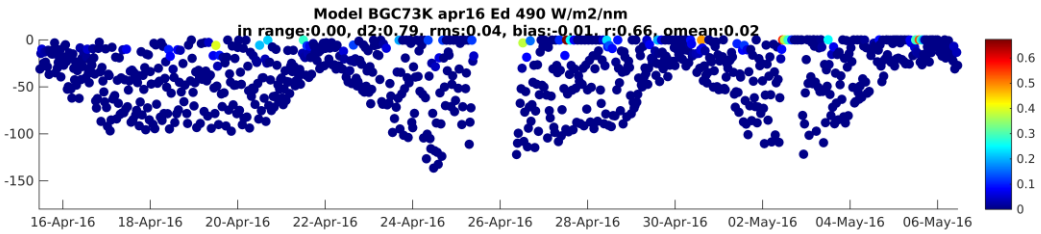

Glider BGC73K apr16 Ed 670 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.3
0.2
0.1
0

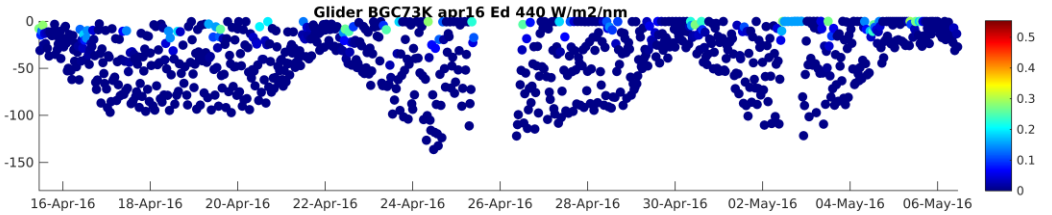

Model BGC73K apr16 Ed 670 W/m2/nm
in range:0.00, d2:0.86, rms:0.02, bias:-0.00, r:0.75, omean:0.01
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.3
0.2
0.1
0

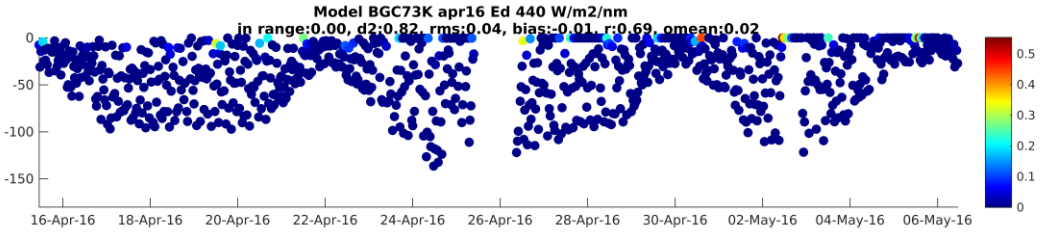

Glider BGC73K apr16 Ed 550 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

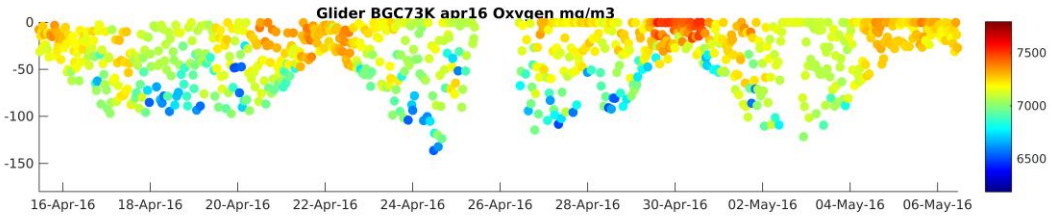

Model BGC73K apr16 Ed 550 W/m2/nm
in range:0.00, d2:0.80, rms:0.04, bias:-0.00, r:0.67, omean:0.02
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

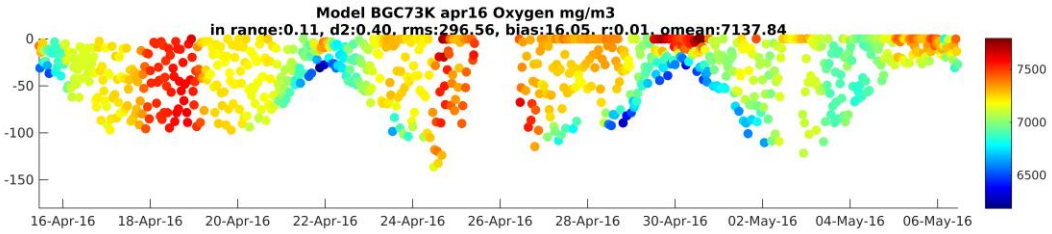

Glider BGC73K apr16 Ed 490 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.6
0.5
0.4
0.3
0.2
0.1
0

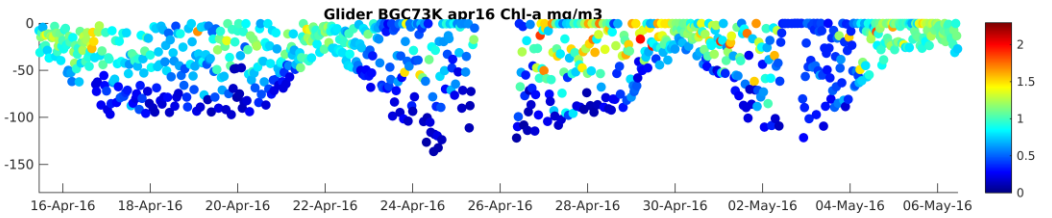

Model BGC73K apr16 Ed 490 W/m2/nm
in range:0.00, d2:0.79, rms:0.04, bias:-0.01, r:0.66, omean:0.02
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.6
0.5
0.4
0.3
0.2
0.1
0

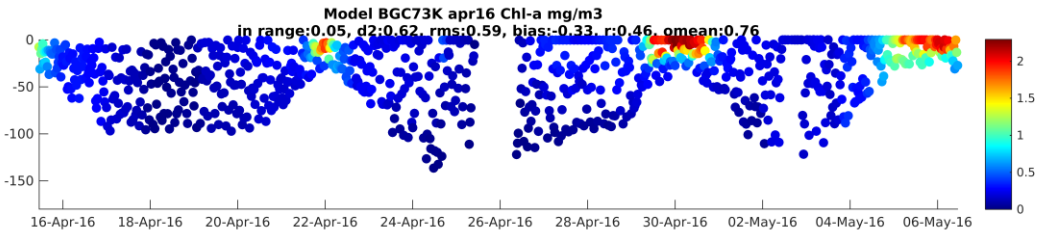

Glider BGC73K apr16 Ed 440 W/m2/nm
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

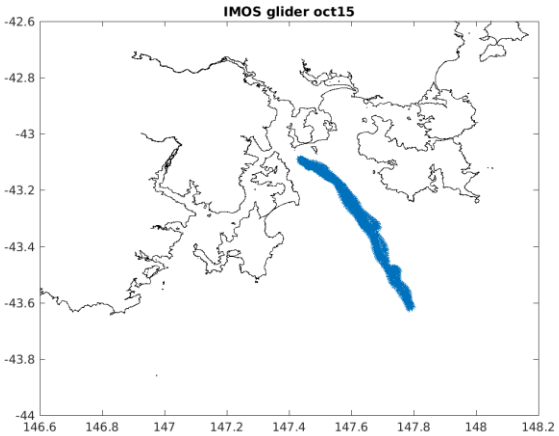

Model BGC73K apr16 Ed 440 W/m2/nm
in range:0.00, d2:0.82, rms:0.04, bias:-0.01, r:0.69, omean:0.02
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
0.5
0.4
0.3
0.2
0.1
0

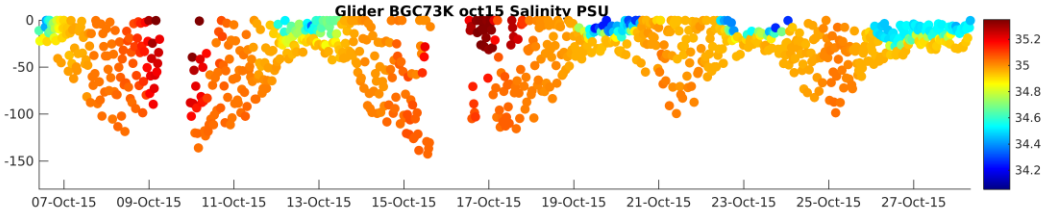

Glider BGC73K apr16 Oxygen mg/m3
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
7500
7000
6500

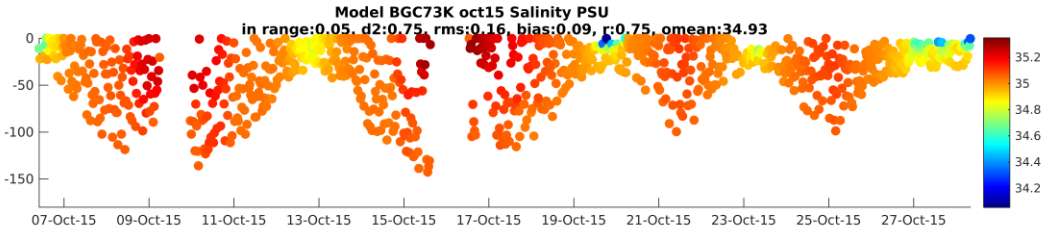

Model BGC73K apr16 Oxygen mg/m3
in range:0.11, d2:0.40, rms:296.56, bias:16.05, r:0.01, omean:7137.84
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
7500
7000
6500

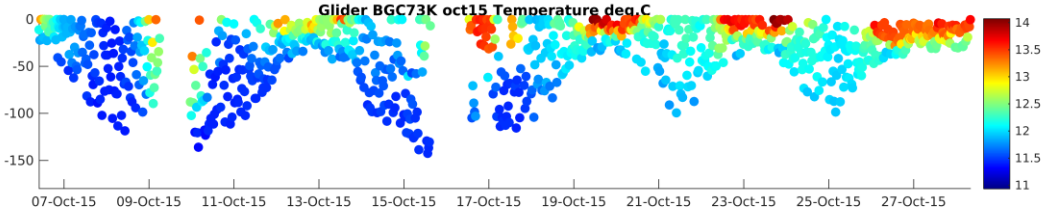

Glider BGC73K apr16 Chl-a mg/m3
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
2
1.5
1
0.5
0

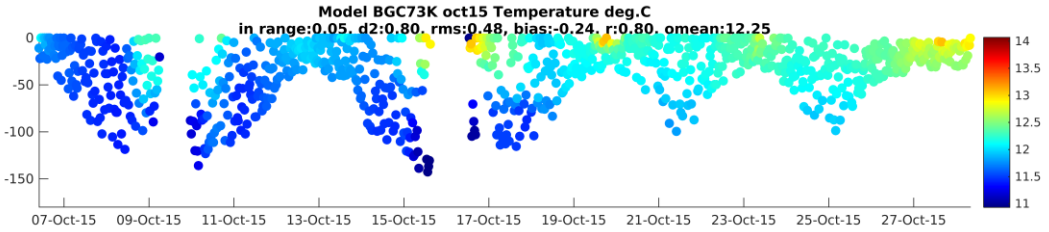

Model BGC73K apr16 Chl-a mg/m3
in range:0.05, d2:0.62, rms:0.59, bias:-0.33, r:0.46, omean:0.76
0
-50
-100
-150
16-Apr-16
18-Apr-16
20-Apr-16
22-Apr-16
24-Apr-16
26-Apr-16
28-Apr-16
30-Apr-16
02-May-16
04-May-16
06-May-16
2
1.5
1
0.5
0

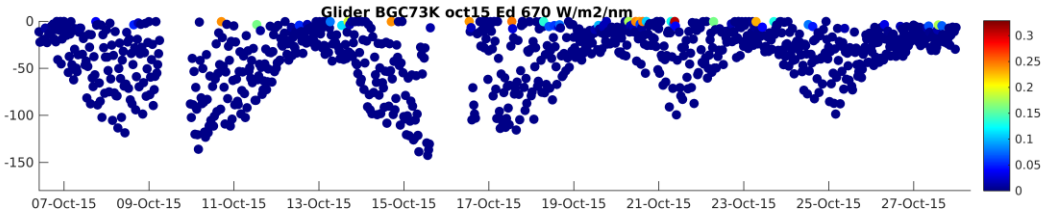

IMOS glider oct15
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

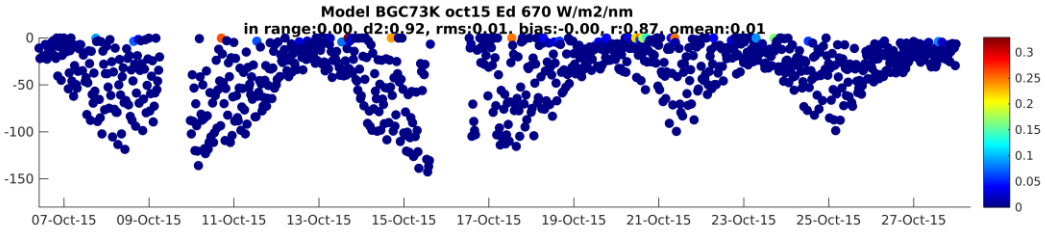

Glider BGC73K oct15 Salinity PSU
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
35.2
35
34.8
34.6
34.4
34.2

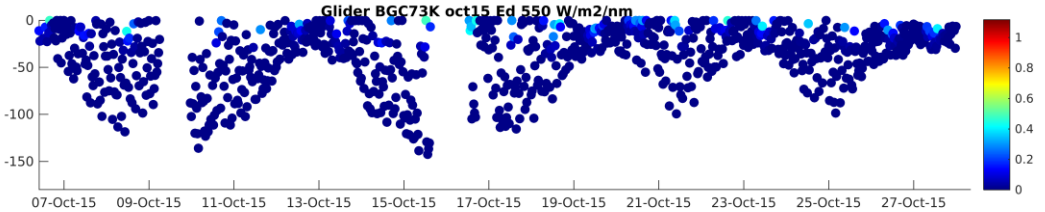

Model BGC73K oct15 Salinity PSU
in range:0.05, d2:0.75, rms:0.16, bias:0.09, r:0.75, omean:34.93
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
35.2
35
34.8
34.6
34.4
34.2

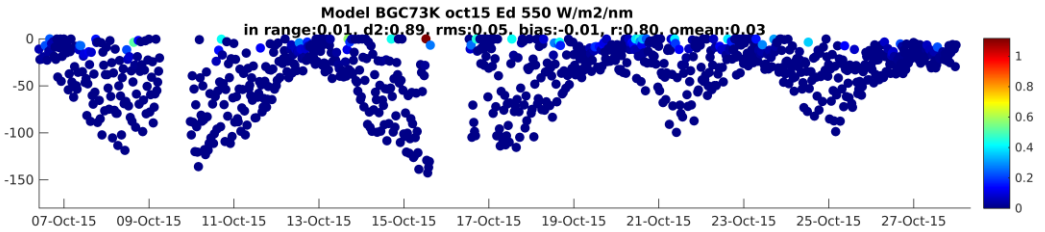

Glider BGC73K oct15 Temperature deg.C
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
14
13.5
13
12.5
12
11.5
11

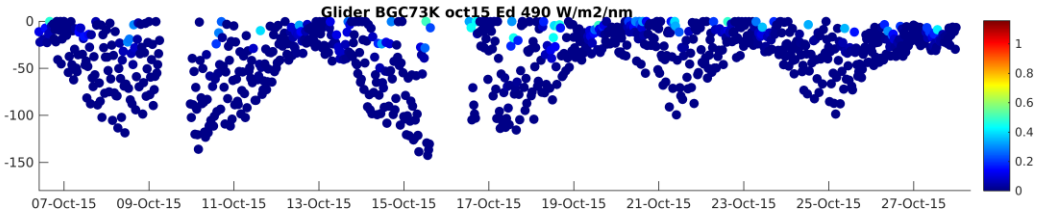

Model BGC73K oct15 Temperature deg.C
in range:0.05, d2:0.80, rms:0.48, bias:-0.24, r:0.80, omean:12.25
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
14
13.5
13
12.5
12
11.5
11

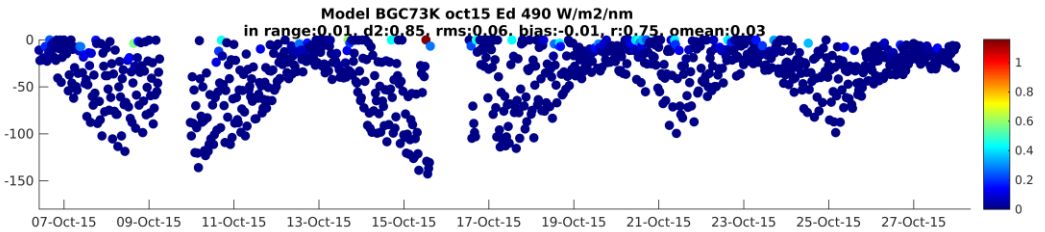

Glider BGC73K oct15 Ed 670 W/m2/nm
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
0.3
0.25
0.2
0.15
0.1
0.05
0

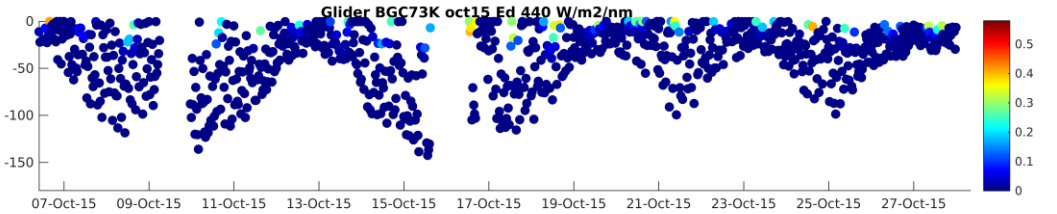

Model BGC73K oct15 Ed 670 W/m2/nm
in range:0.00, d2:0.92, rms:0.01, bias:-0.00, r:0.87, omean:0.01
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
0.3
0.25
0.2
0.15
0.1
0.05
0

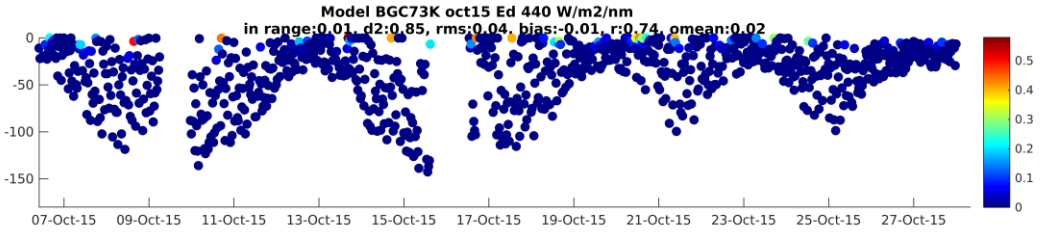

Glider BGC73K oct15 Ed 550 W/m2/nm
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
1
0.8
0.6
0.4
0.2
0

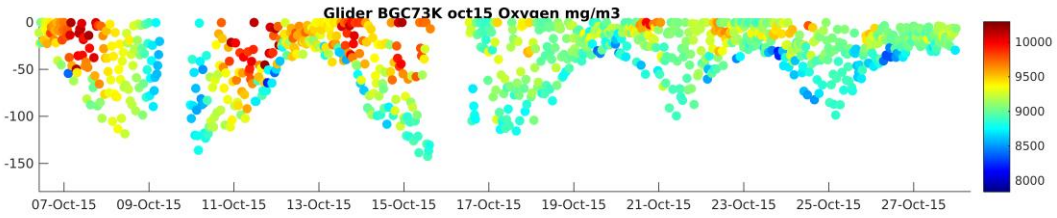

Model BGC73K oct15 Ed 550 W/m2/nm
in range:0.01, d2:0.89, rms:0.05, bias:-0.01, r:0.80, omean:0.03
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
1
0.8
0.6
0.4
0.2
0

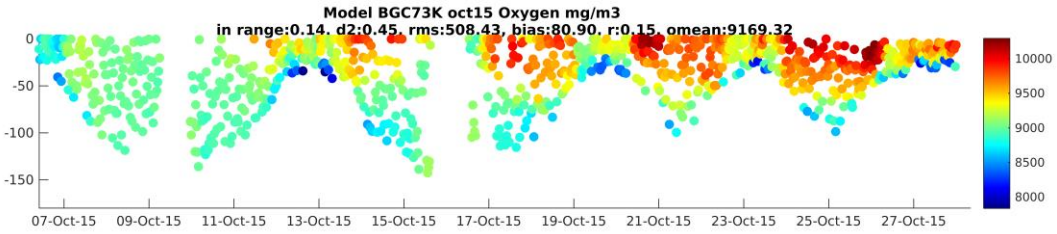

Glider BGC73K oct15 Ed 490 W/m2/nm
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
1
0.8
0.6
0.4
0.2
0

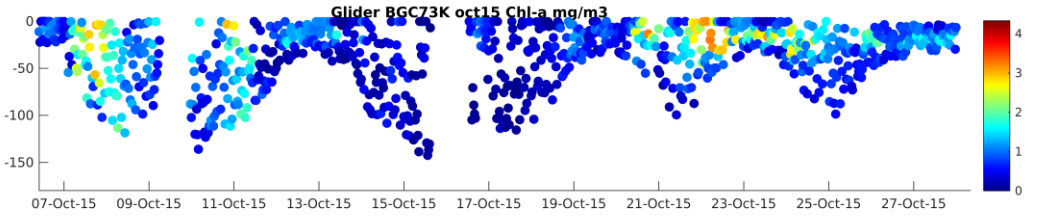

Model BGC73K oct15 Ed 490 W/m2/nm
in range:0.01, d2:0.85, rms:0.06, bias:-0.01, r:0.75, omean:0.03
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
1
0.8
0.6
0.4
0.2
0

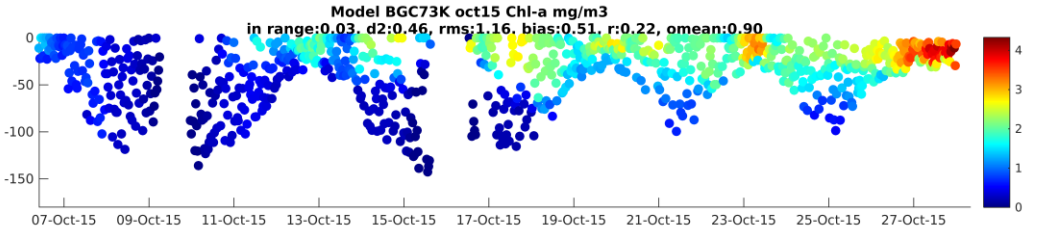

Glider BGC73K oct15 Ed 440 W/m2/nm
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
0.5
0.4
0.3
0.2
0.1
0

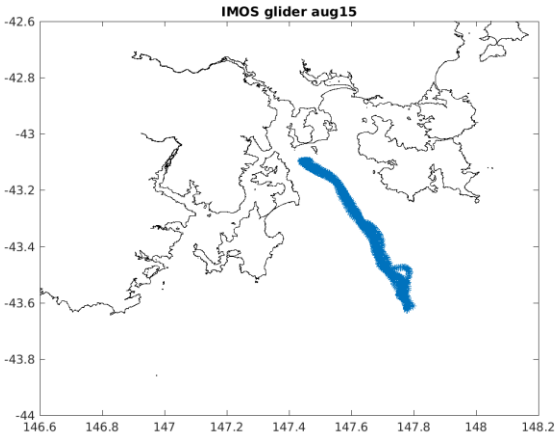

Model BGC73K oct15 Ed 440 W/m2/nm
in range:0.01, d2:0.85, rms:0.04, bias:-0.01, r:0.74, omean:0.02
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
0.5
0.4
0.3
0.2
0.1
0

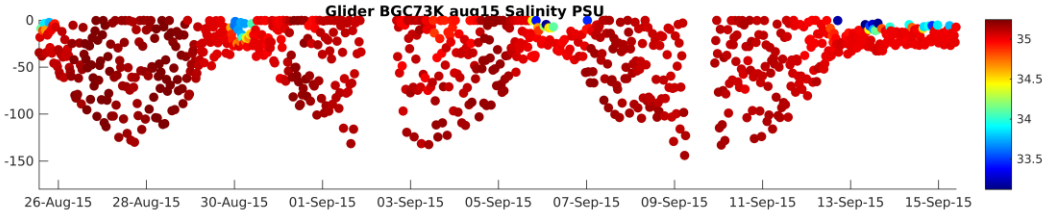

Glider BGC73K oct15 Oxygen mg/m3
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
10000
9500
9000
8500
8000

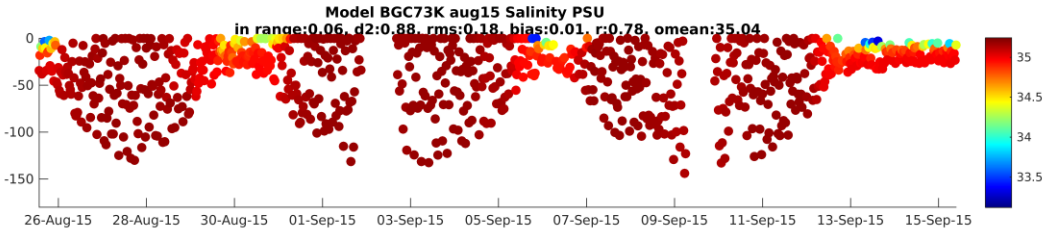

Model BGC73K oct15 Oxygen mg/m3
in range:0.14, d2:0.45, rms:508.43, bias:80.90, r:0.15, omean:9169.32
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
10000
9500
9000
8500
8000

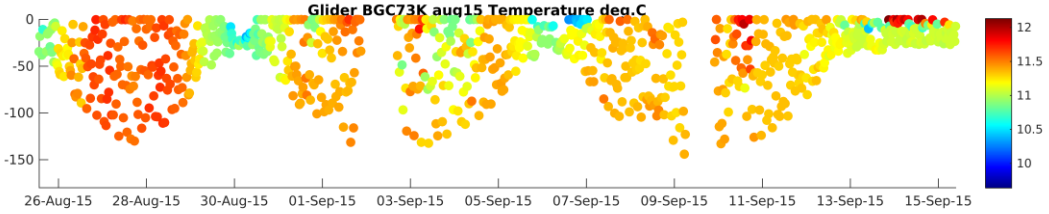

Glider BGC73K oct15 Chl-a mg/m3
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
4
3
2
1
0

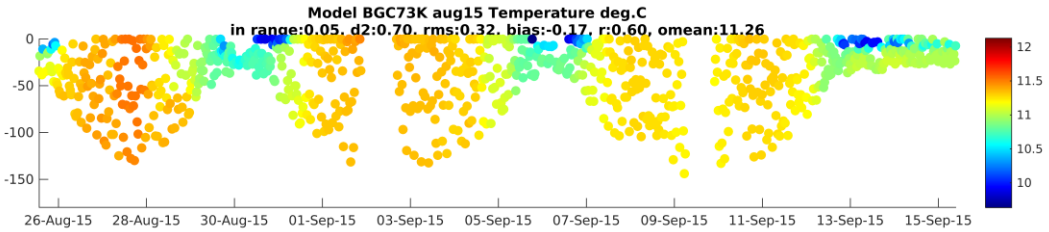

Model BGC73K oct15 Chl-a mg/m3
in range:0.03, d2:0.46, rms:1.16, bias:0.51, r:0.22, omean:0.90
0
-50
-100
-150
07-Oct-15
09-Oct-15
11-Oct-15
13-Oct-15
15-Oct-15
17-Oct-15
19-Oct-15
21-Oct-15
23-Oct-15
25-Oct-15
27-Oct-15
4
3
2
1
0

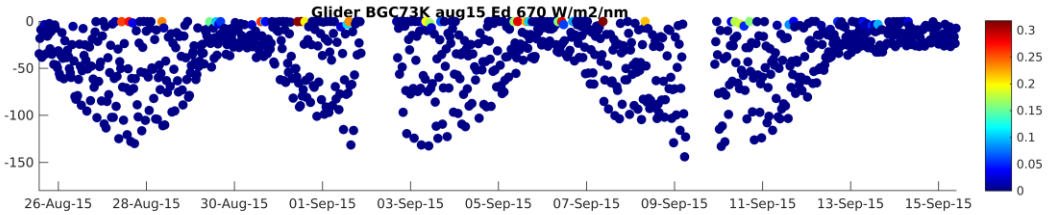

IMOS glider aug15
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

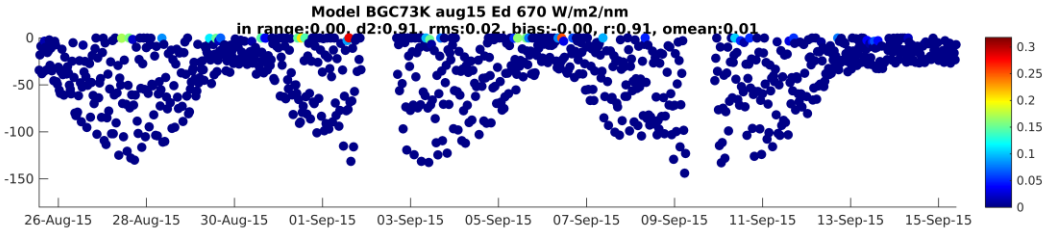

Glider BGC73K aug15 Salinity PSU
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
35
34.5
34
33.5

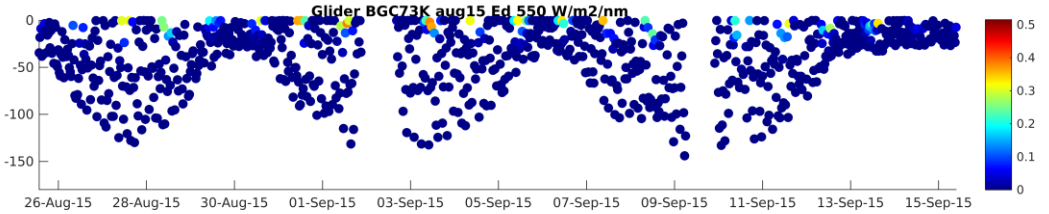

Model BGC73K aug15 Salinity PSU
in range:0.06, d2:0.88, rms:0.18, bias:0.01, r:0.78, omean:35.04
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
35
34.5
34
33.5

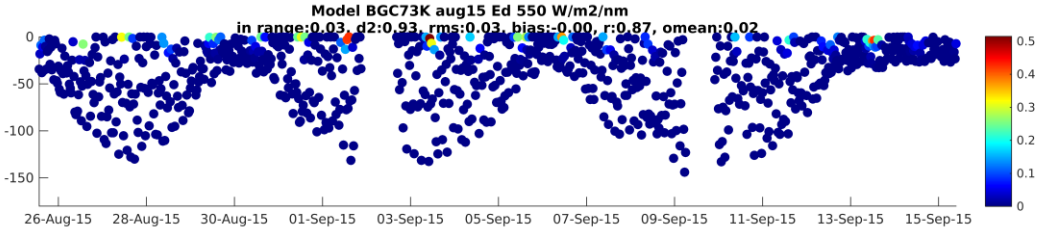

Glider BGC73K aug15 Temperature deg.C
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
12
11.5
11
10.5
10

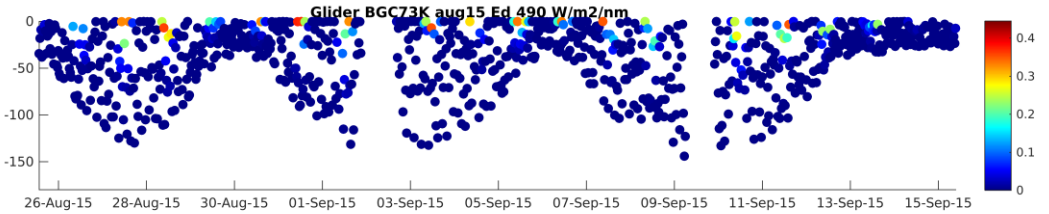

Model BGC73K aug15 Temperature deg.C
in range:0.05, d2:0.70, rms:0.32, bias:-0.17, r:0.60, omean:11.26
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
12
11.5
11
10.5
10

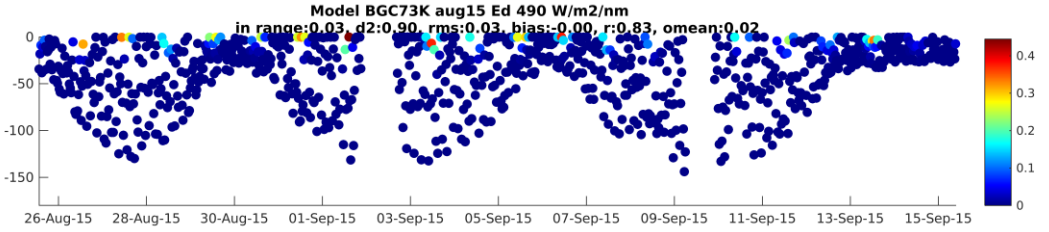

Glider BGC73K aug15 Ed 670 W/m2/nm
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.3
0.25
0.2
0.15
0.1
0.05
0

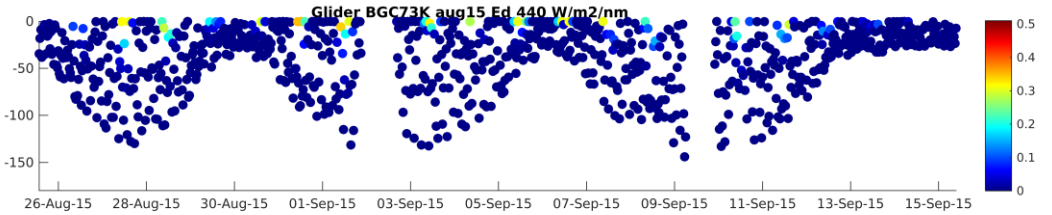

Model BGC73K aug15 Ed 670 W/m2/nm
in range:0.00, d2:0.91, rms:0.02, bias:-0.00, r:0.91, omean:0.01
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.3
0.25
0.2
0.15
0.1
0.05
0

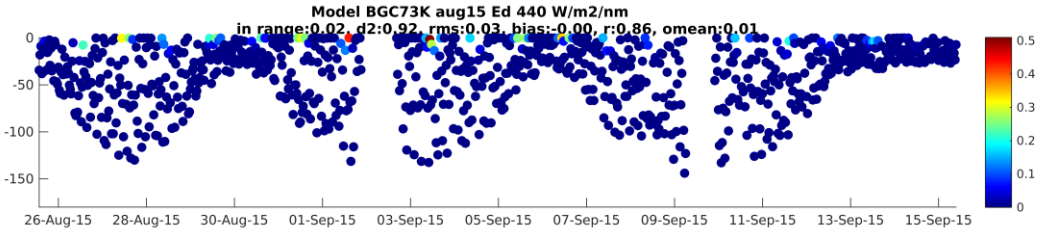

Glider BGC73K aug15 Ed 550 W/m2/nm
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.5
0.4
0.3
0.2
0.1
0

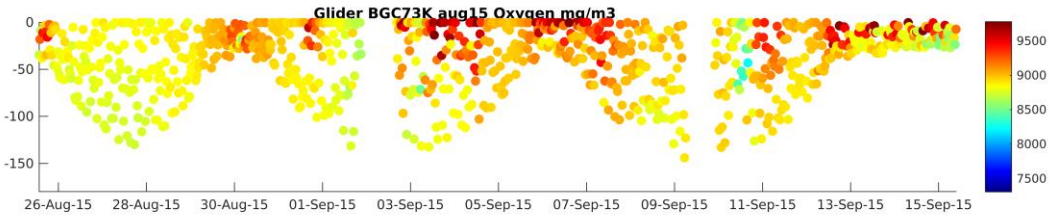

Model BGC73K aug15 Ed 550 W/m2/nm
in range:0.03, d2:0.93, rms:0.03, bias:-0.00, r:0.87, omean:0.02
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.5
0.4
0.3
0.2
0.1
0

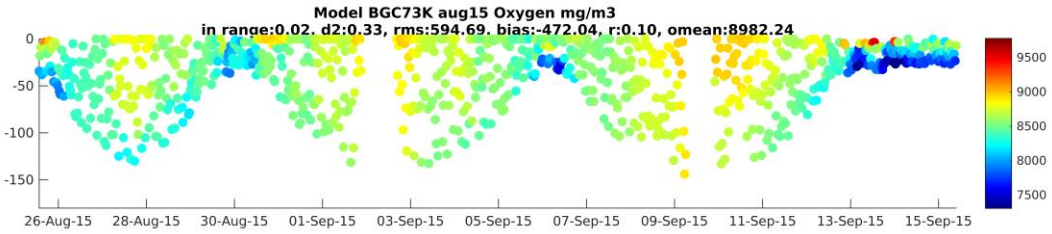

Glider BGC73K aug15 Ed 490 W/m2/nm
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.4
0.3
0.2
0.1
0

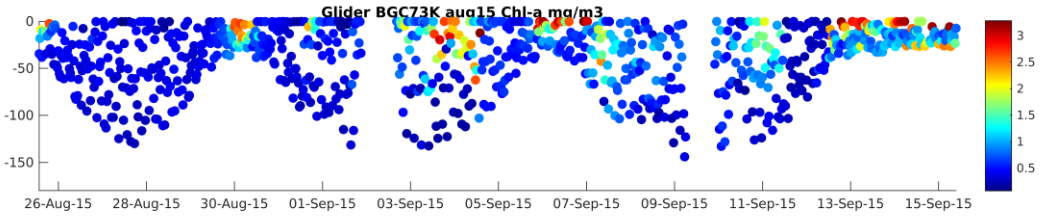

Model BGC73K aug15 Ed 490 W/m2/nm
in range:0.03, d2:0.90, rms:0.03, bias:-0.00, r:0.83, omean:0.02
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.4
0.3
0.2
0.1
0

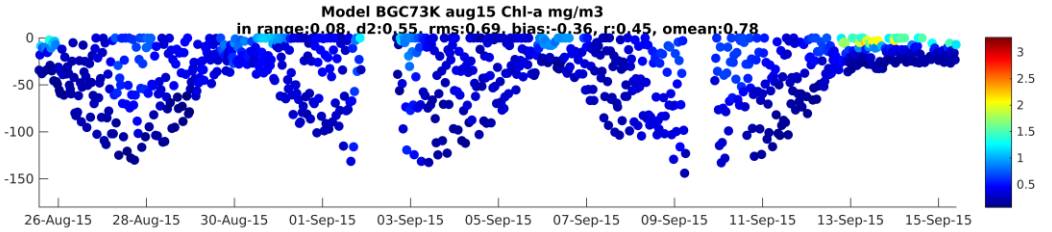

Glider BGC73K aug15 Ed 440 W/m2/nm
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.5
0.4
0.3
0.2
0.1
0

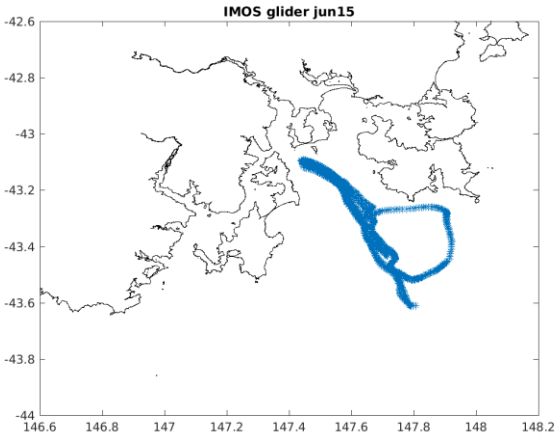

Model BGC73K aug15 Ed 440 W/m2/nm
in range:0.02, d2:0.92, rms:0.03, bias:-0.00, r:0.86, omean:0.01
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
0.5
0.4
0.3
0.2
0.1
0

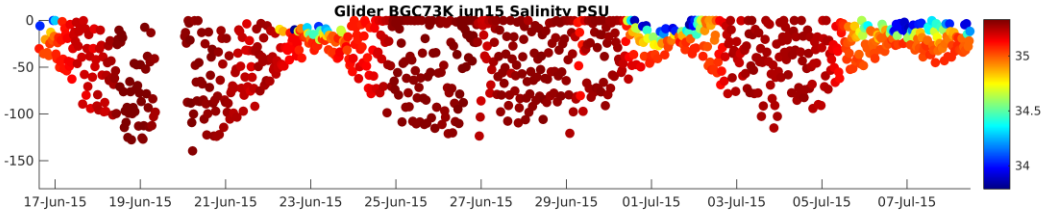

Glider BGC73K aug15 Oxygen mg/m3
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
9500
9000
8500
8000
7500

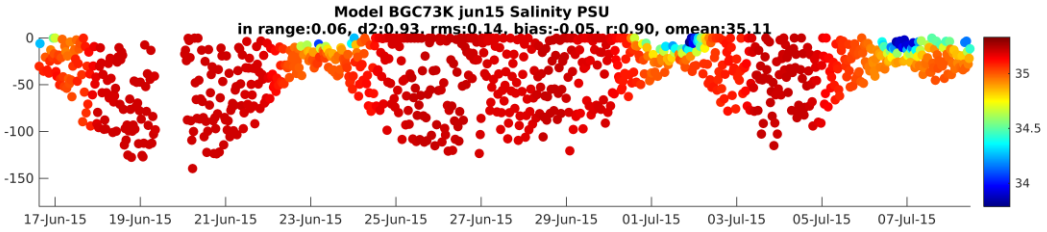

Model BGC73K aug15 Oxygen mg/m3
in range:0.02, d2:0.33, rms:594.69, bias:-472.04, r:0.10, omean:8982.24
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
9500
9000
8500
8000
7500

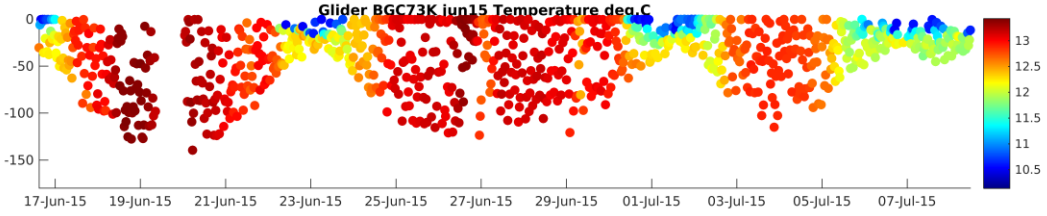

Glider BGC73K aug15 Chl-a mg/m3
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
3
2.5
2
1.5
1
0.5

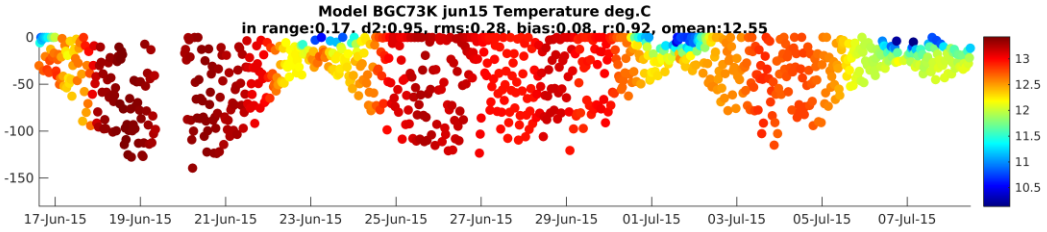

Model BGC73K aug15 Chl-a mg/m3
in range:0.08, d2:0.55, rms:0.69, bias:-0.36, r:0.45, omean:0.78
0
-50
-100
-150
26-Aug-15
28-Aug-15
30-Aug-15
01-Sep-15
03-Sep-15
05-Sep-15
07-Sep-15
09-Sep-15
11-Sep-15
13-Sep-15
15-Sep-15
3
2.5
2
1.5
1
0.5

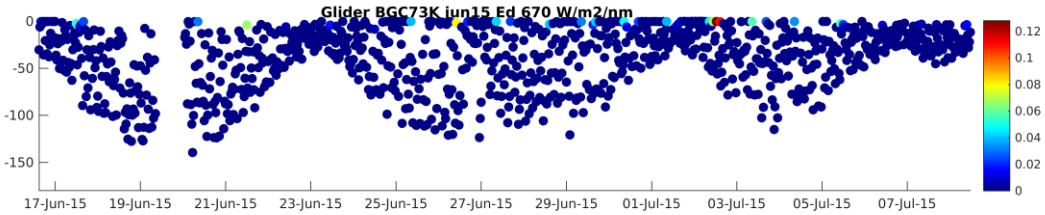

IMOS glider jun15
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

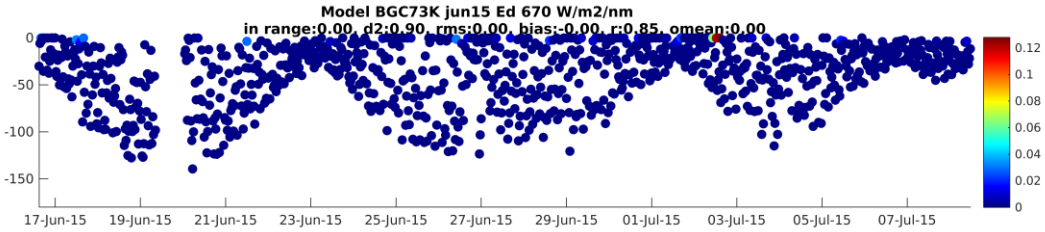

Glider BGC73K jun15 Salinity PSU
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
35
34.5
34

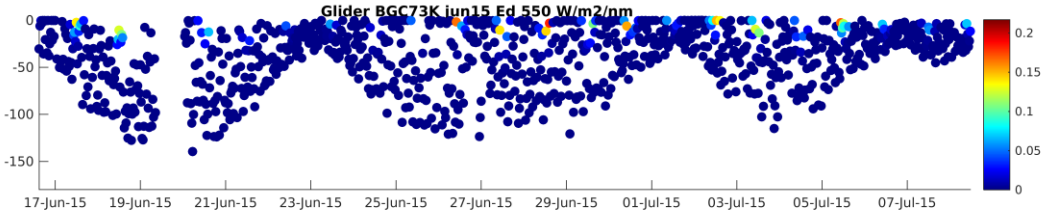

Model BGC73K jun15 Salinity PSU
in range:0.06, d2:0.93, rms:0.14, bias:-0.05, r:0.90, omean:35.11
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
35
34.5
34

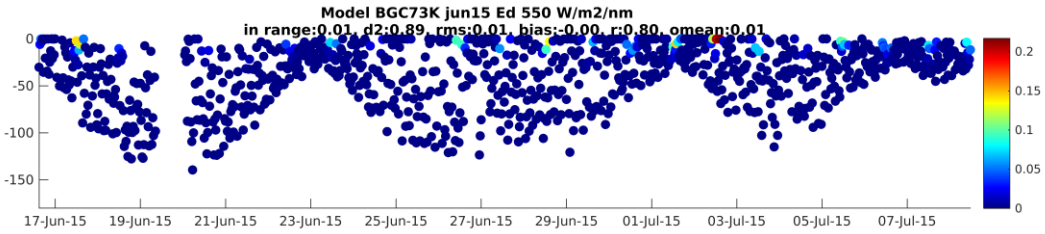

Glider BGC73K jun15 Temperature deg.C
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
13
12.5
12
11.5
11
10.5

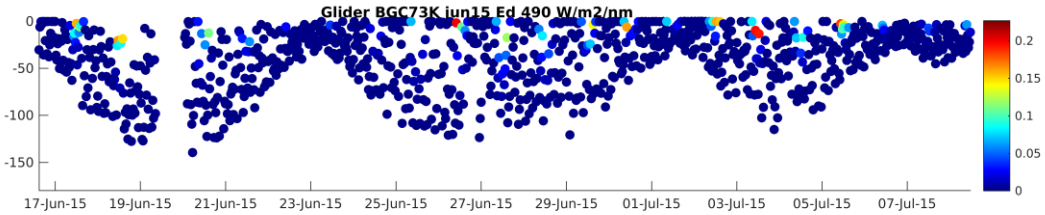

Model BGC73K jun15 Temperature deg.C
in range:0.17, d2:0.95, rms:0.28, bias:0.08, r:0.92, omean:12.55
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
13
12.5
12
11.5
11
10.5

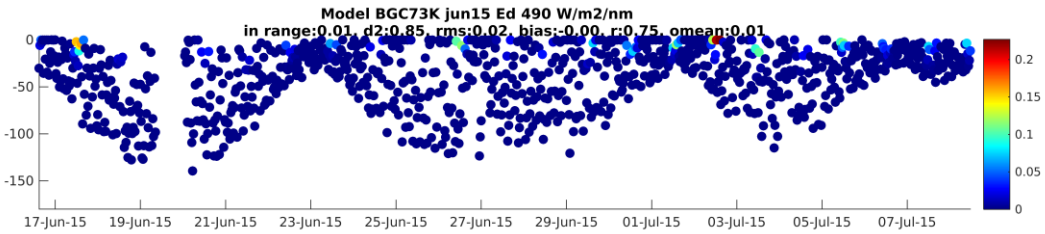

Glider BGC73K jun15 Ed 670 W/m2/nm
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.12
0.1
0.08
0.06
0.04
0.02
0

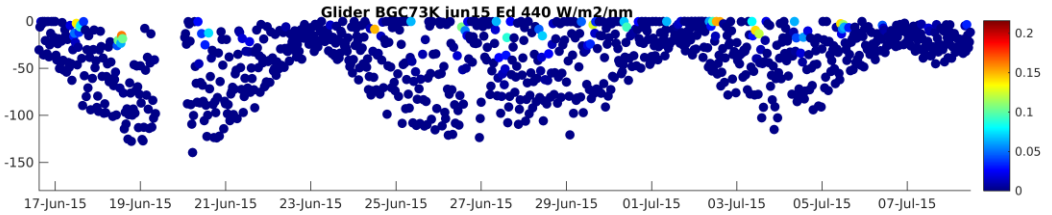

Model BGC73K jun15 Ed 670 W/m2/nm
in range:0.00, d2:0.90, rms:0.00, bias:-0.00, r:0.85, omean:0.00
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.12
0.1
0.08
0.06
0.04
0.02
0

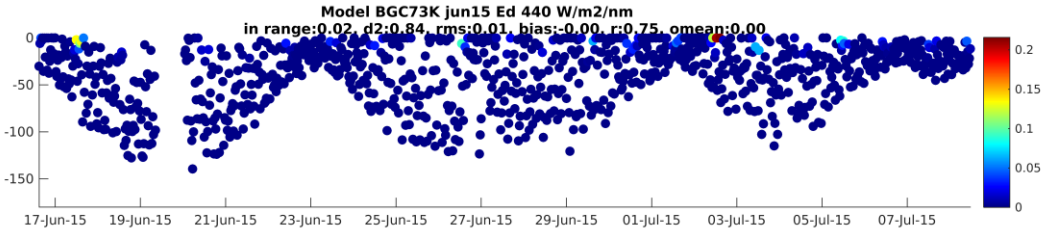

Glider BGC73K jun15 Ed 550 W/m2/nm
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.2
0.15
0.1
0.05
0

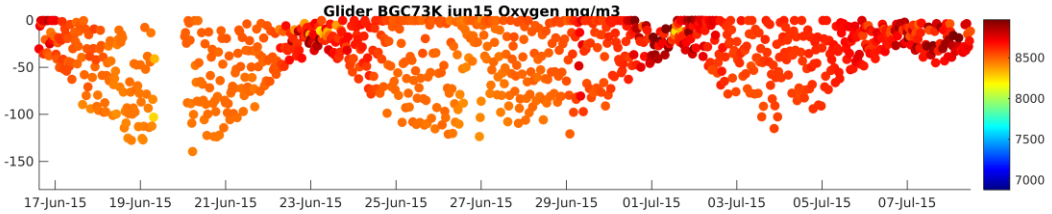

Model BGC73K jun15 Ed 550 W/m2/nm
in range:0.01, d2:0.89, rms:0.01, bias:-0.00, r:0.80, omean:0.01
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.2
0.15
0.1
0.05
0

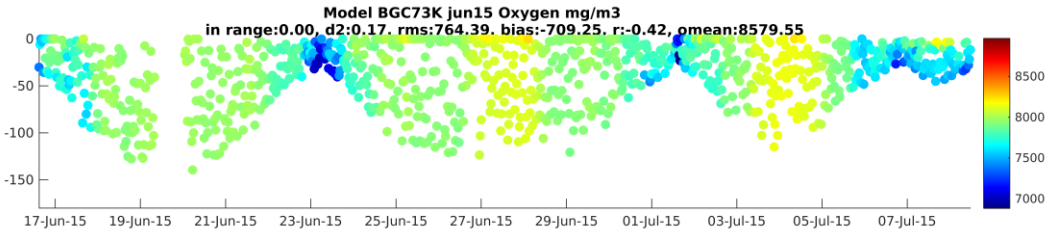

Glider BGC73K jun15 Ed 490 W/m2/nm
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.2
0.15
0.1
0.05
0

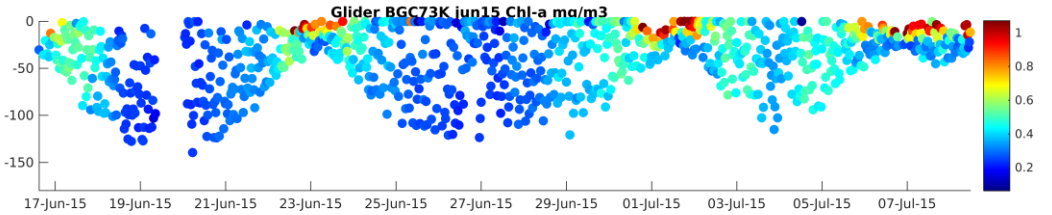

Model BGC73K jun15 Ed 490 W/m2/nm
in range:0.01, d2:0.85, rms:0.02, bias:-0.00, r:0.75, omean:0.01
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.2
0.15
0.1
0.05
0

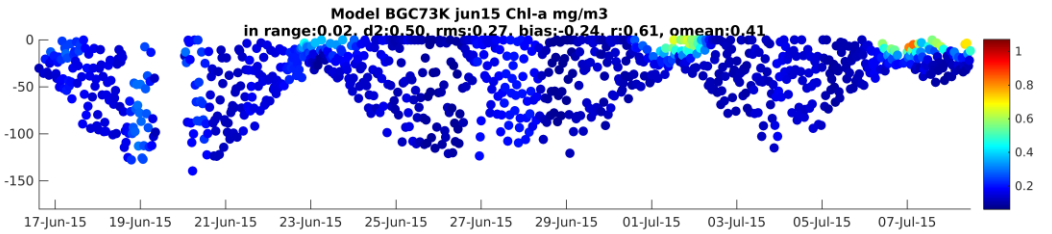

Glider BGC73K jun15 Ed 440 W/m2/nm
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.2
0.15
0.1
0.05
0

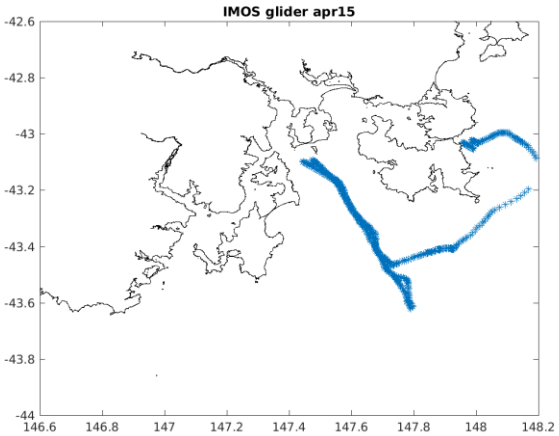

Model BGC73K jun15 Ed 440 W/m2/nm
in range:0.02, d2:0.84, rms:0.01, bias:-0.00, r:0.75, omean:0.00
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
0.2
0.15
0.1
0.05
0

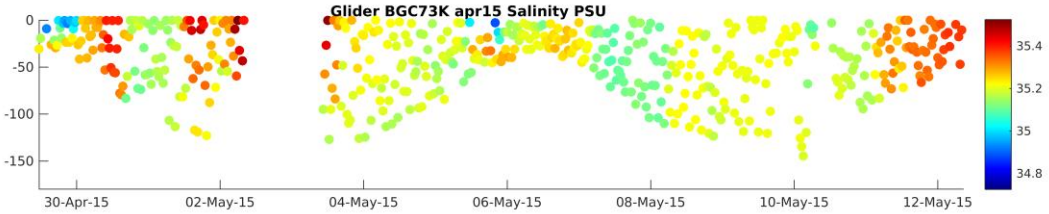

Glider BGC73K jun15 Oxygen mg/m3
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
8500
8000
7500
7000

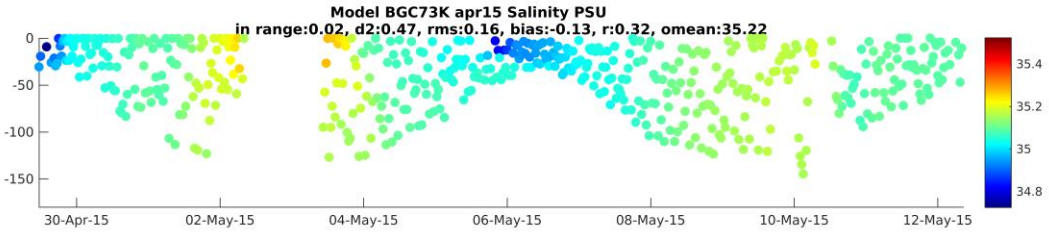

Model BGC73K jun15 Oxygen mg/m3
in range:0.00, d2:0.17, rms:764.39, bias:-709.25, r:-0.42, omean:8579.55
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
8500
8000
7500
7000

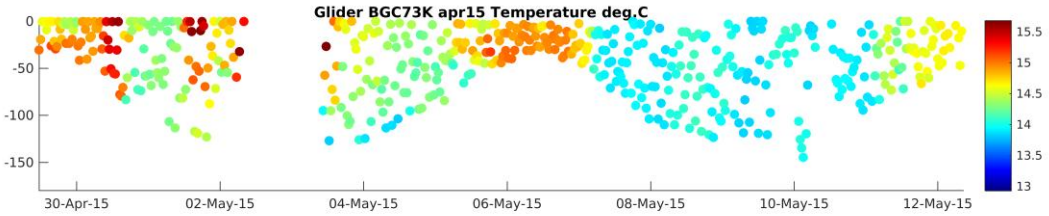

Glider BGC73K jun15 Chl-a mg/m3
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
1
0.8
0.6
0.4
0.2

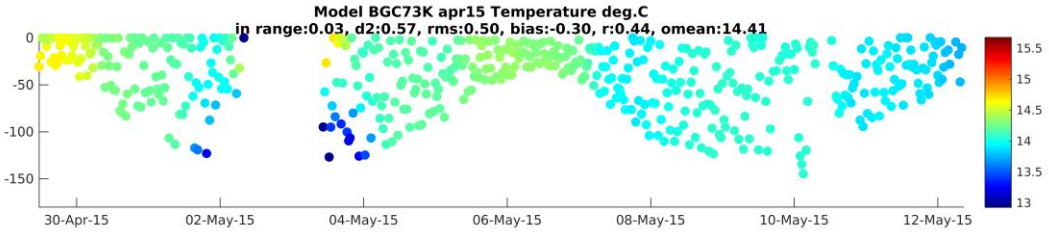

Model BGC73K jun15 Chl-a mg/m3
in range:0.02, d2:0.50, rms:0.27, bias:-0.24, r:0.61, omean:0.41
0
-50
-100
-150
17-Jun-15
19-Jun-15
21-Jun-15
23-Jun-15
25-Jun-15
27-Jun-15
29-Jun-15
01-Jul-15
03-Jul-15
05-Jul-15
07-Jul-15
1
0.8
0.6
0.4
0.2

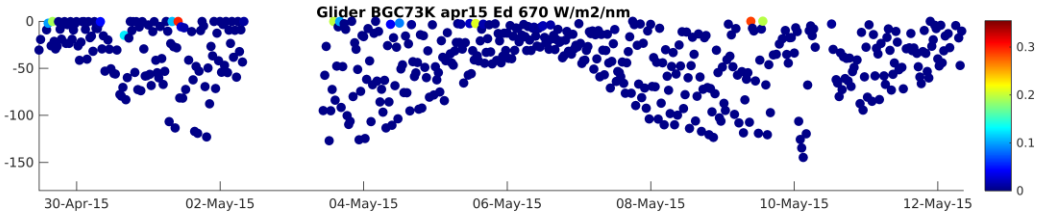

IMOS glider apr15
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

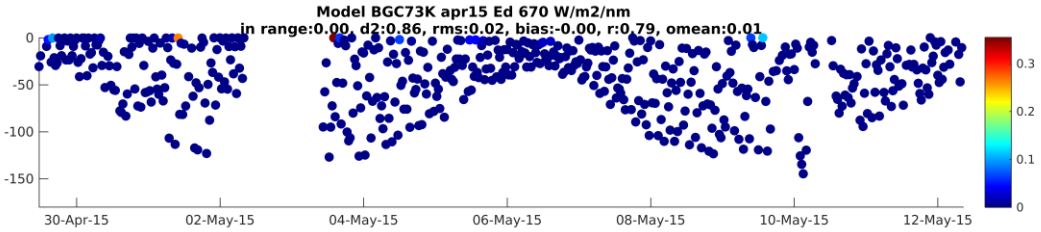

Glider BGC73K apr15 Salinity PSU
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
35.4
35.2
35
34.8

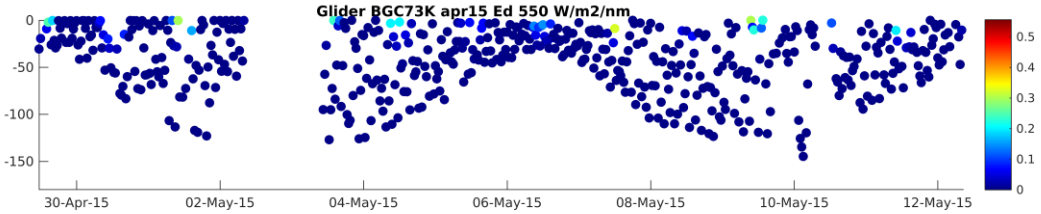

Model BGC73K apr15 Salinity PSU
in range:0.02, d2:0.47, rms:0.16, bias:-0.13, r:0.32, omean:35.22
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
35.4
35.2
35
34.8

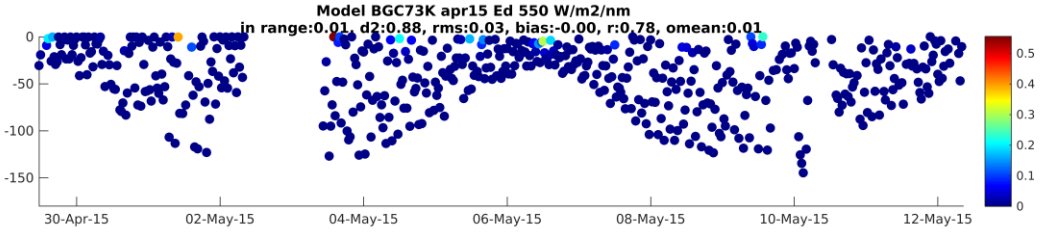

Glider BGC73K apr15 Temperature deg.C
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
15.5
15
14.5
14
13.5
13

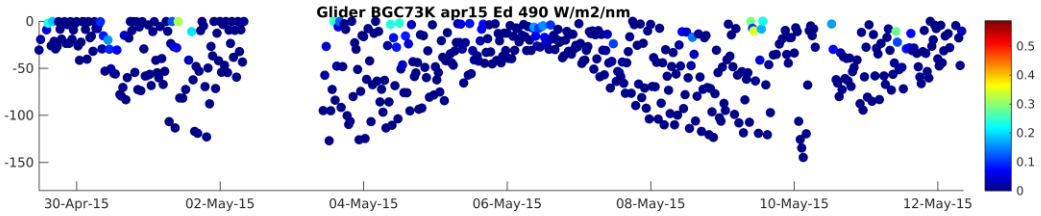

Model BGC73K apr15 Temperature deg.C
in range:0.03, d2:0.57, rms:0.50, bias:-0.30, r:0.44, omean:14.41
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
15.5
15
14.5
14
13.5
13

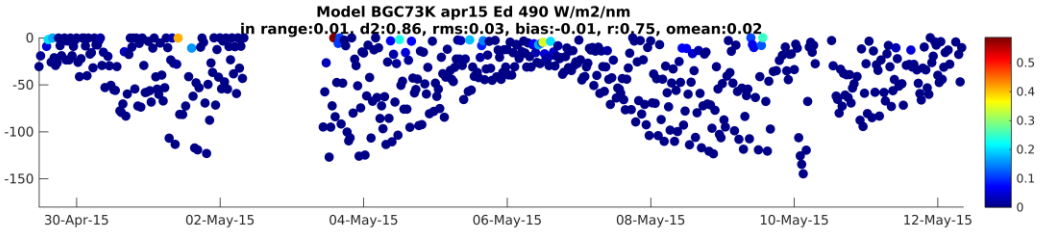

Glider BGC73K apr15 Ed 670 W/m2/nm
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.3
0.2
0.1
0

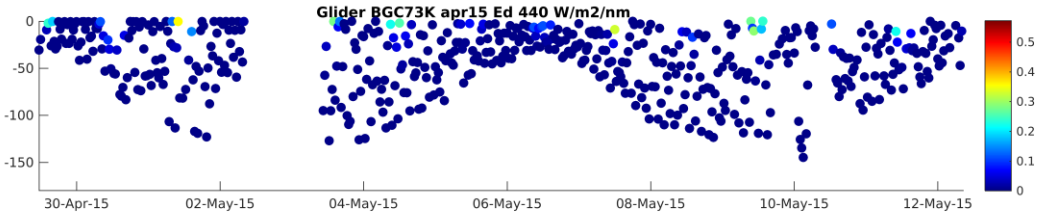

Model BGC73K apr15 Ed 670 W/m2/nm
in range:0.00, d2:0.86, rms:0.02, bias:-0.00, r:0.79, omean:0.01
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.3
0.2
0.1
0

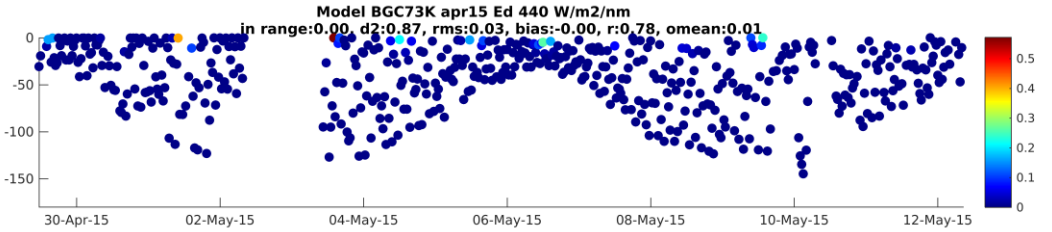

Glider BGC73K apr15 Ed 550 W/m2/nm
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.5
0.4
0.3
0.2
0.1
0

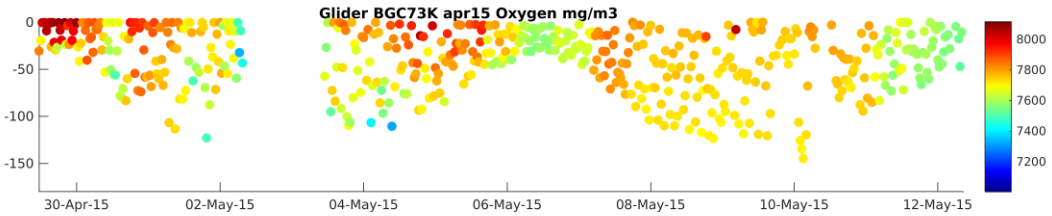

Model BGC73K apr15 Ed 550 W/m2/nm
in range:0.01, d2:0.88, rms:0.03, bias:-0.00, r:0.78, omean:0.01
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.5
0.4
0.3
0.2
0.1
0

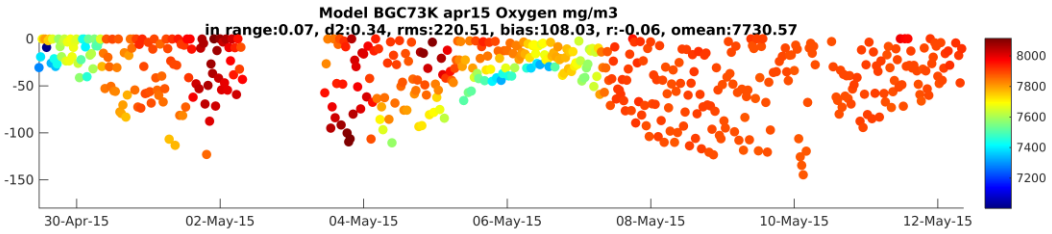

Glider BGC73K apr15 Ed 490 W/m2/nm
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.5
0.4
0.3
0.2
0.1
0

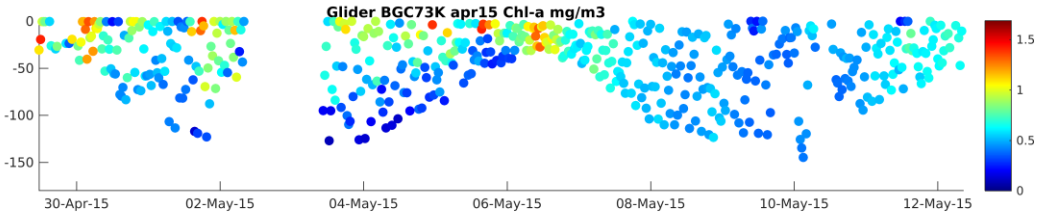

Model BGC73K apr15 Ed 490 W/m2/nm
in range:0.01, d2:0.86, rms:0.03, bias:-0.01, r:0.75, omean:0.02
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.5
0.4
0.3
0.2
0.1
0

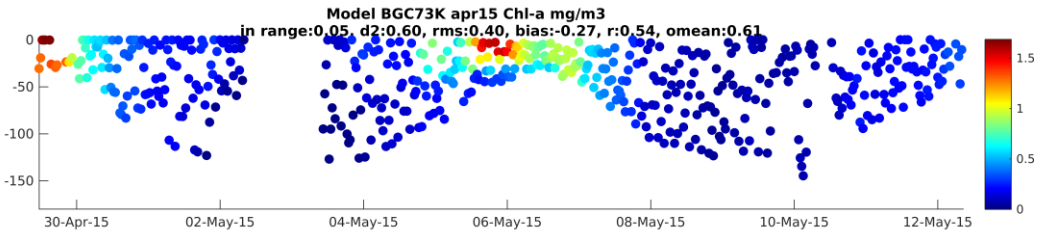

Glider BGC73K apr15 Ed 440 W/m2/nm
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.5
0.4
0.3
0.2
0.1
0

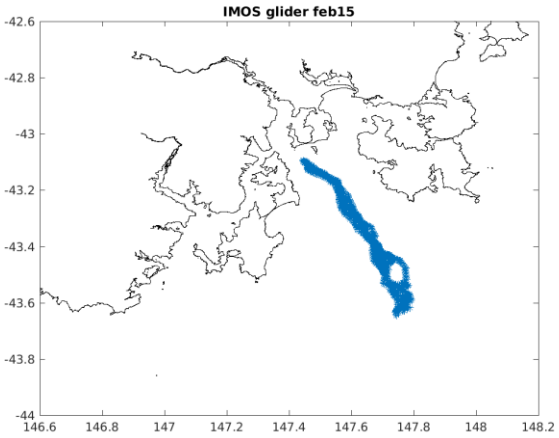

Model BGC73K apr15 Ed 440 W/m2/nm
in range:0.00, d2:0.87, rms:0.03, bias:-0.00, r:0.78, omean:0.01
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
0.5
0.4
0.3
0.2
0.1
0

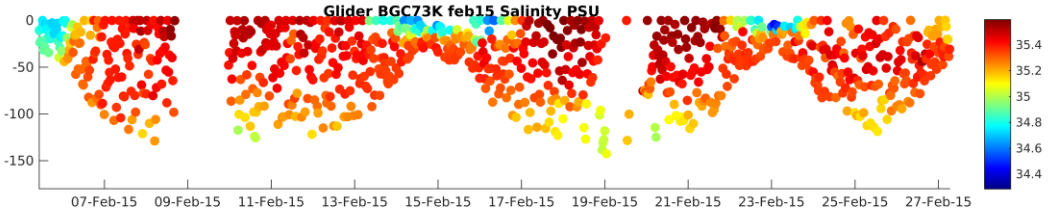

Glider BGC73K apr15 Oxygen mg/m3
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
8000
7800
7600
7400
7200

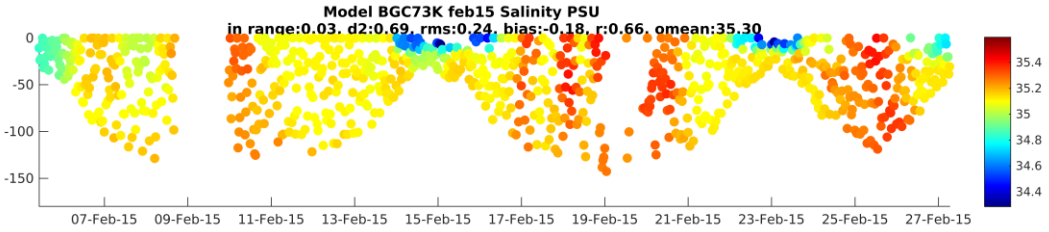

Model BGC73K apr15 Oxygen mg/m3
in range:0.07, d2:0.34, rms:220.51, bias:108.03, r:-0.06, omean:7730.57
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
8000
7800
7600
7400
7200

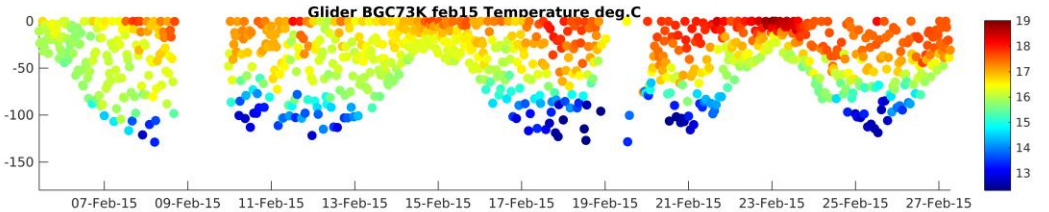

Glider BGC73K apr15 Chl-a mg/m3
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
1.5
1
0.5
0

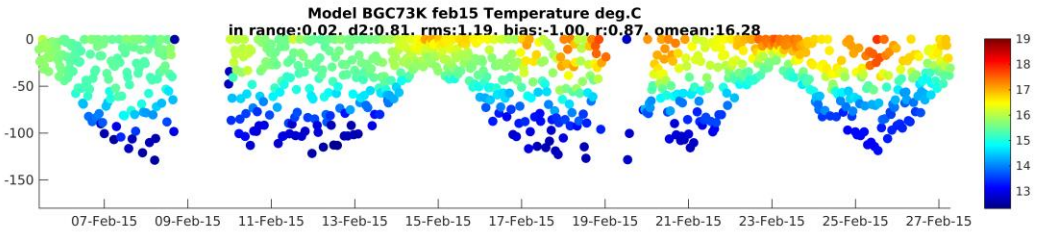

Model BGC73K apr15 Chl-a mg/m3
in range:0.05, d2:0.60, rms:0.40, bias:-0.27, r:0.54, omean:0.61
0
-50
-100
-150
30-Apr-15
02-May-15
04-May-15
06-May-15
08-May-15
10-May-15
12-May-15
1.5
1
0.5
0

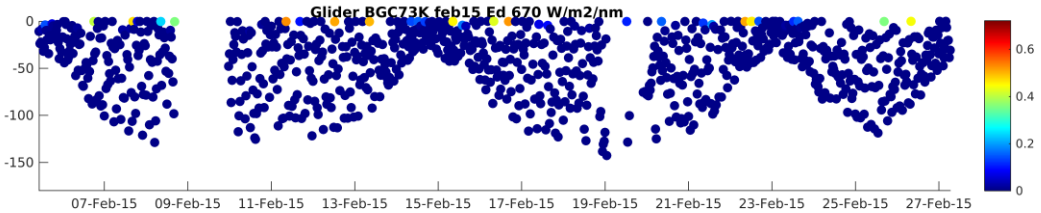

IMOS glider feb15
-42.6
-42.8
-43
-43.2
-43.4
-43.6
-43.8
-44
146.6
146.8
147
147.2
147.4
147.6
147.8
148
148.2

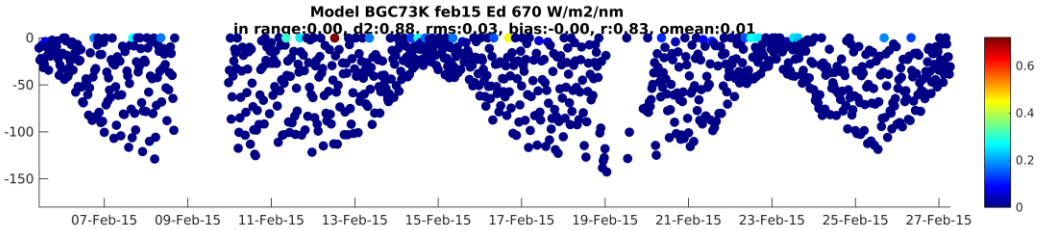

Glider BGC73K feb15 Salinity PSU
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
35.4
35.2
35
34.8
34.6
34.4

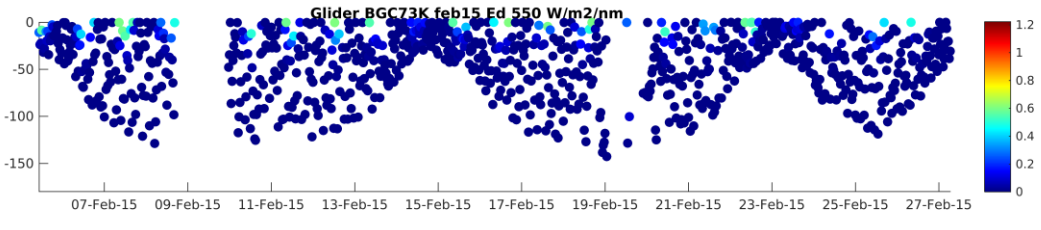

Model BGC73K feb15 Salinity PSU
in range:0.03, d2:0.69, rms:0.24, bias:-0.18, r:0.66, omean:35.30
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
35.4
35.2
35
34.8
34.6
34.4

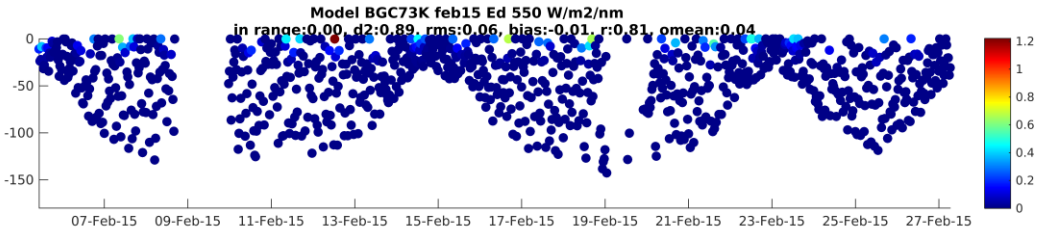

Glider BGC73K feb15 Temperature deg.C
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
19
18
17
16
15
14
13

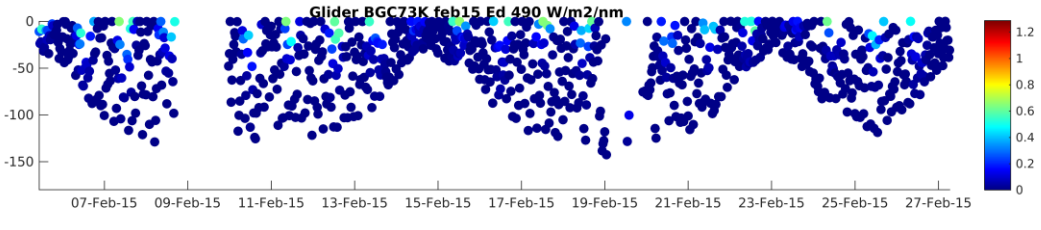

Model BGC73K feb15 Temperature deg.C
in range:0.02, d2:0.81, rms:1.19, bias:-1.00, r:0.87, omean:16.28
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
19
18
17
16
15
14
13

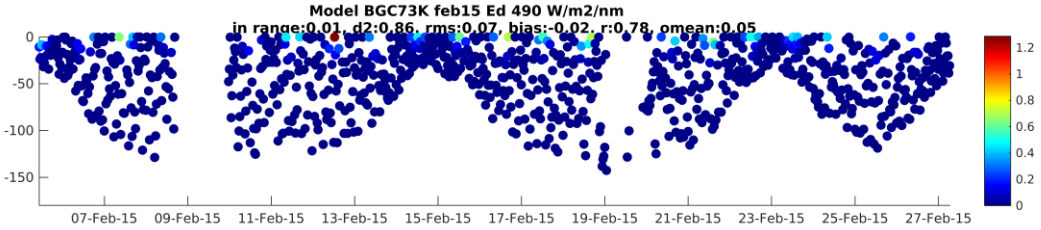

Glider BGC73K feb15 Ed 670 W/m2/nm
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
0.6
0.4
0.2
0

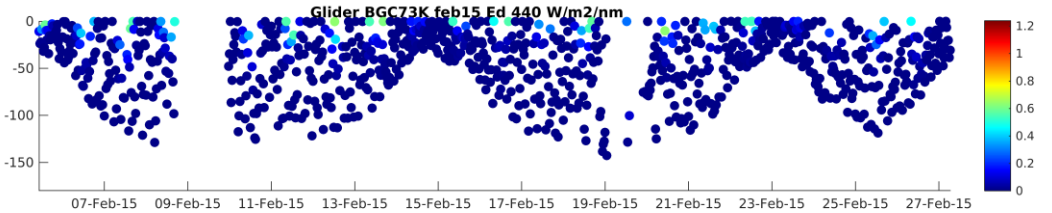

Model BGC73K feb15 Ed 670 W/m2/nm
in range:0.00, d2:0.88, rms:0.03, bias:-0.00, r:0.83, omean:0.01
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
0.6
0.4
0.2
0

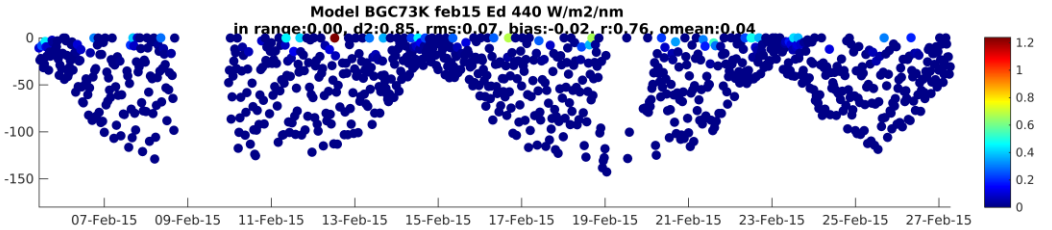

Glider BGC73K feb15 Ed 550 W/m2/nm
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.2
1
0.8
0.6
0.4
0.2
0

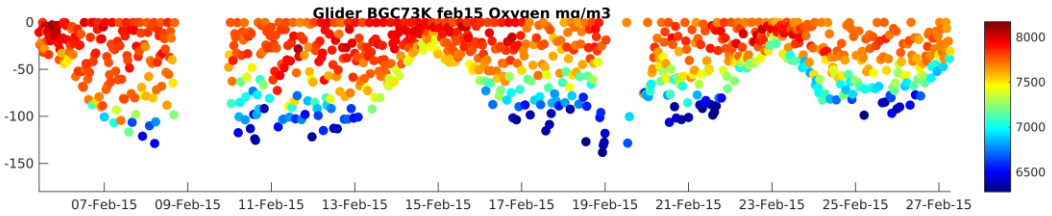

Model BGC73K feb15 Ed 550 W/m2/nm
in range:0.00, d2:0.89, rms:0.06, bias:-0.01, r:0.81, omean:0.04
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.2
1
0.8
0.6
0.4
0.2
0

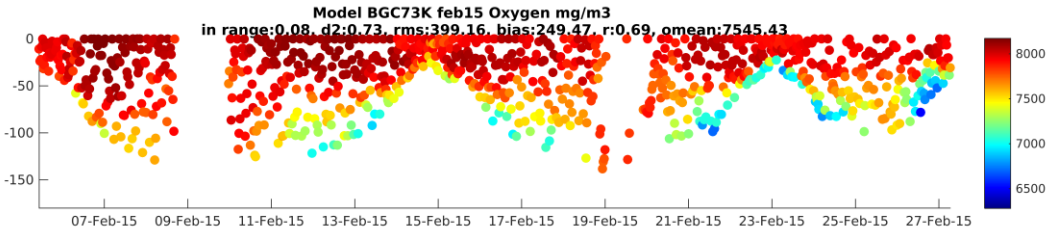

Glider BGC73K feb15 Ed 490 W/m2/nm
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.2
1
0.8
0.6
0.4
0.2
0

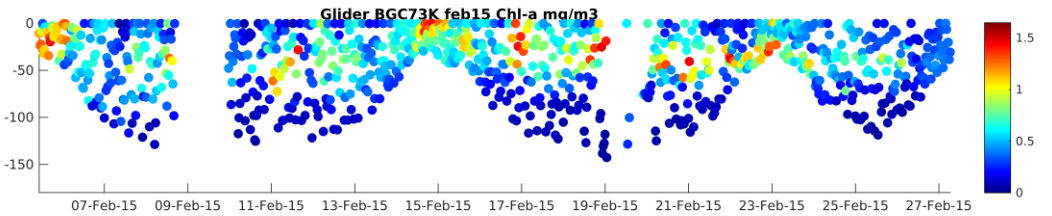

Model BGC73K feb15 Ed 490 W/m2/nm
in range:0.01, d2:0.86, rms:0.07, bias:-0.02, r:0.78, omean:0.05
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.2
1
0.8
0.6
0.4
0.2
0

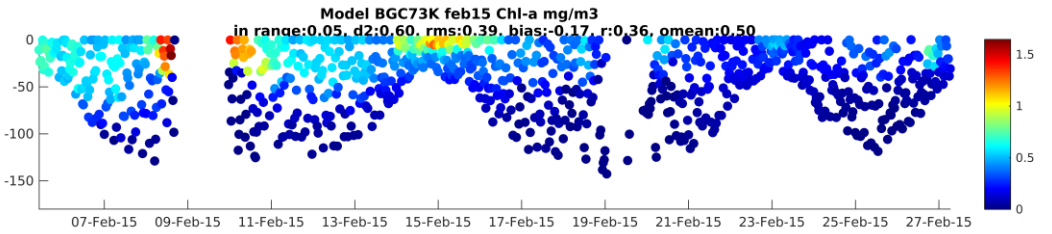

Glider BGC73K feb15 Ed 440 W/m2/nm
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.2
1
0.8
0.6
0.4
0.2
0


Model BGC73K feb15 Ed 440 W/m2/nm
in range:0.00, d2:0.85, rms:0.07, bias:-0.02, r:0.76, omean:0.04
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.2
1
0.8
0.6
0.4
0.2
0


Glider BGC73K feb15 Oxygen mg/m3
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
8000
7500
7000
6500


Model BGC73K feb15 Oxygen mg/m3
in range:0.08, d2:0.73, rms:399.16, bias:249.47, r:0.69, omean:7545.43
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
8000
7500
7000
6500


Glider BGC73K feb15 Chl-a mg/m3
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.5
1
0.5
0


Model BGC73K feb15 Chl-a mg/m3
in range:0.05, d2:0.60, rms:0.39, bias:-0.17, r:0.36, omean:0.50
0
-50
-100
-150
07-Feb-15
09-Feb-15
11-Feb-15
13-Feb-15
15-Feb-15
17-Feb-15
19-Feb-15
21-Feb-15
23-Feb-15
25-Feb-15
27-Feb-15
1.5
1
0.5
0

A.6 Biogeochemical model vs monitoring data including statistics

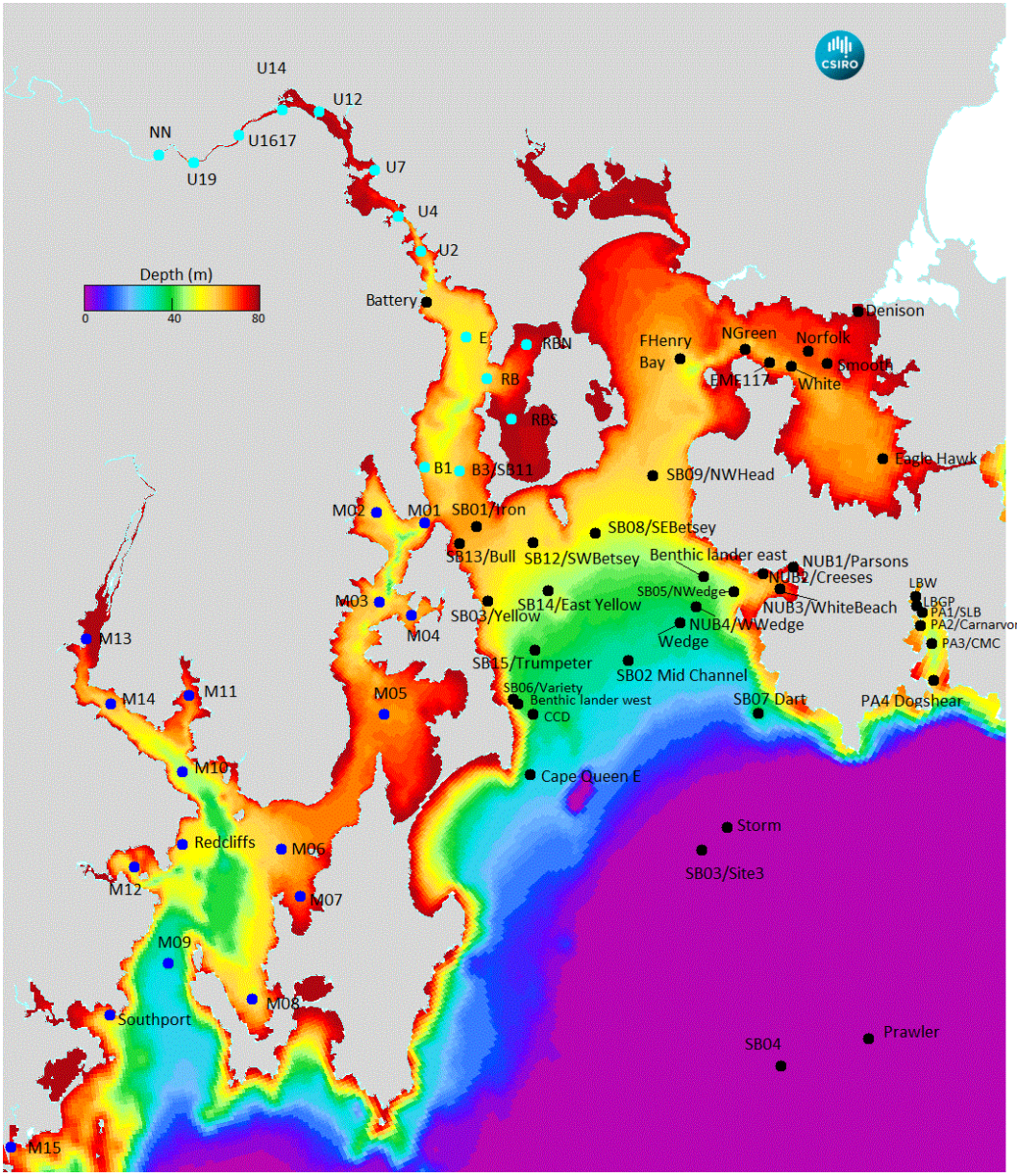


Figure A6.1 Site locations for field observations: ● EPA/IMAS/BEMP Aquenal ● DEP sites; ● Additional EPA/IMAS sites including eastern bays

Table A6.1 Summary statistics for timeseries comparison of observed and simulated water quality at stations throughout the region from 2015 to (May) 2020 [Willmott & Correlation > 0.4 are coloured green, < 0.3 are red, model bias low is blue, model bias high is orange].

BGC73K		Mean Willmott	Mean Correlation	Median Normalised Bias	N. Obs	N.Days	N.Substances
Storm Bay	SB01_Iron	0.57	0.52	0.20	1259	42	11
	SB03_Yellow	0.55	0.43	0.09	377	16	10
	SB08_SEBetsy	0.56	0.51	0.00	395	16	10
	SB09_NWHead	0.51	0.45	0.11	413	16	11
	SB05_NWedge	0.54	0.46	0.20	1550	58	11
	NUB4_SWedge	0.61	0.49	0.00	1552	63	9
	SB02_Mid	0.60	0.49	0.01	453	15	11
	SB06_Variety	0.54	0.39	0.04	464	16	11
	SB04_CQE	0.53	0.27	-0.02	473	16	10
	SB03_site3	0.59	0.92	0.02	54	2	4
	SB07_Dart	0.53	0.33	-0.02	523	14	10
	SB11_Evariety	0.54	0.51	0.50	167	10	7
	SB12	0.48	0.52	0.45	167	10	7
	SB13	0.45	0.43	0.45	167	10	7
	SB14	0.45	0.42	-0.03	167	10	7
	SB15	0.48	0.32	0.03	167	10	7
Fredrick Henry & Norfolk Bay	FHenryB	0.53	0.51	0.21	210	6	10
	Ngreen	0.46	0.35	0.23	192	6	10
	EMF117	0.51	0.37	0.24	492	6	10
	NB2_EMF117N	0.46	0.41	0.24	438	6	10
	White	0.55	0.43	0.27	210	6	10
	Norfolk	0.52	0.50	0.34	126	6	10
	Smooth	0.49	0.43	0.48	192	6	10
	Denison	0.48	0.40	0.32	84	6	10
	Eaglehawk	0.45	0.40	0.20	174	6	10
Nubeena	NUB2_Creeses	0.52	0.50	0.10	1406	64	9
	NUB3_WhiteB	0.60	0.53	-0.01	1396	64	9
	NUB1	0.53	0.48	0.12	1386	64	9
Port Arthur	PA4_Dog	0.60	0.50	-0.03	1629	65	10
	PA3_CMC	0.64	0.51	-0.02	1663	65	10
	PA2_Carnarvon	0.64	0.51	-0.01	1611	65	10
	PA1_SLB	0.61	0.57	0.00	1490	65	10
	LBGP	0.44	0.29	0.06	273	13	10
	PA6	0.45	0.06	-0.07	179	9	10
Derwent	SB11_B3	0.61	0.58	0.13	1275	26	10
	B3	0.60	0.55	0.05	2833	64	9
	B1	0.59	0.51	0.02	2974	64	9
	RB	0.80	0.75	0.00	2120	54	3
	RBS	0.77	0.77	-0.06	677	54	3
	RBN	0.48	0.39	0.25	1925	64	9
	E	0.59	0.51	0.14	2919	63	9
	NN	0.78	0.83	-0.03	1892	60	9
D'Entrecasteaux	M15	0.55	0.41	0.06	1613	83	9
	M09	0.63	0.56	-0.01	1613	83	9
	M08	0.63	0.58	0.04	1613	83	9
	M07	0.59	0.52	0.04	1612	83	9
	M06	0.61	0.56	0.07	1613	83	9
	M12	0.68	0.65	0.00	1613	83	9
	M10	0.61	0.59	0.14	1613	83	9
	M11	0.53	0.51	0.24	1613	83	9
	M14	0.57	0.55	0.15	1613	83	9
	M13	0.53	0.42	0.12	1613	83	9
	M05	0.56	0.53	0.42	1613	83	9
	M03	0.60	0.55	0.26	1613	83	9
	M04	0.58	0.57	0.30	1613	83	9
	M02	0.62	0.61	0.14	1613	83	9
	M01	0.61	0.58	0.15	2503	109	10

Table A6.2 Summary statistics for each observed substance from timeseries comparison of observed and simulated water quality at stations throughout the region from 2015 to (May) 2020 [Willmott & Correlation > 0.4 are coloured green, < 0.3 are red, model bias low is blue, model bias high is orange].

	Mean Willmott	Mean Correlation	Median Normalised Bias	N. Obs	N.days	N.Sites
Temp deg.C	0.96	0.96	-0.02	12423	2421	55
Salinity psu	0.68	0.63	0.00	12330	2412	55
Oxygen mg/m3	0.69	0.62	-0.05	10695	2325	55
All Chl-a mg/m3	0.44	0.20	-0.13	2578	2419	63
NO3 mg/m3	0.56	0.66	1.79	5419	2462	57
NH4 mg/m3	0.27	0.21	0.96	5419	2458	57
TN mg/m3	0.59	0.40	0.03	5419	2462	57
DIP mg/m3	0.58	0.58	0.43	5419	2462	57
TP mg/m3	0.47	0.34	0.36	5419	2462	57
DOC mg/m3	0.21	0.17	1.56	928	313	34

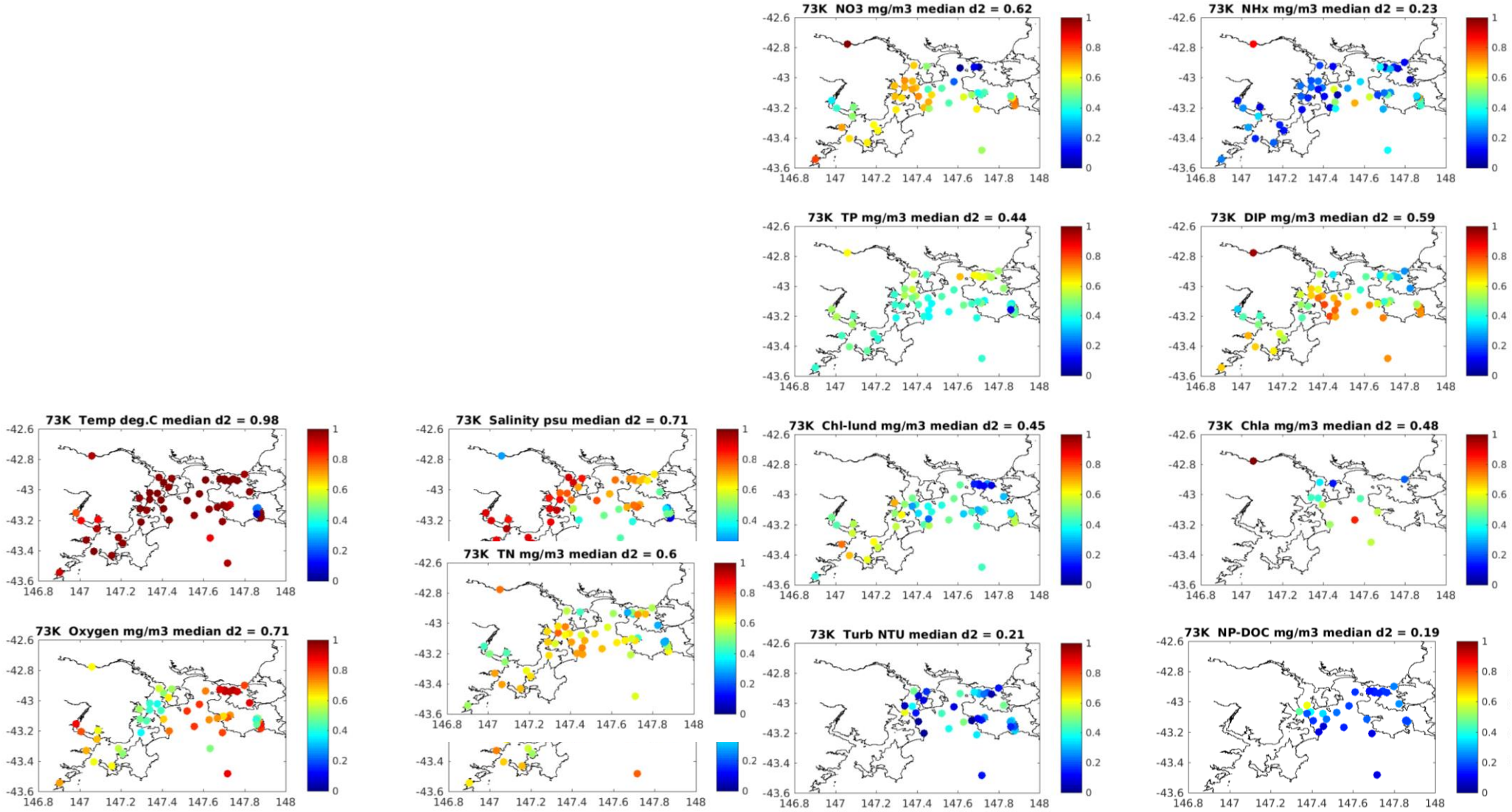


Figure A6.2 Spatial distribution of Willmott skill for model vs observations at stations throughout the region from 2015 to (May) 2020.

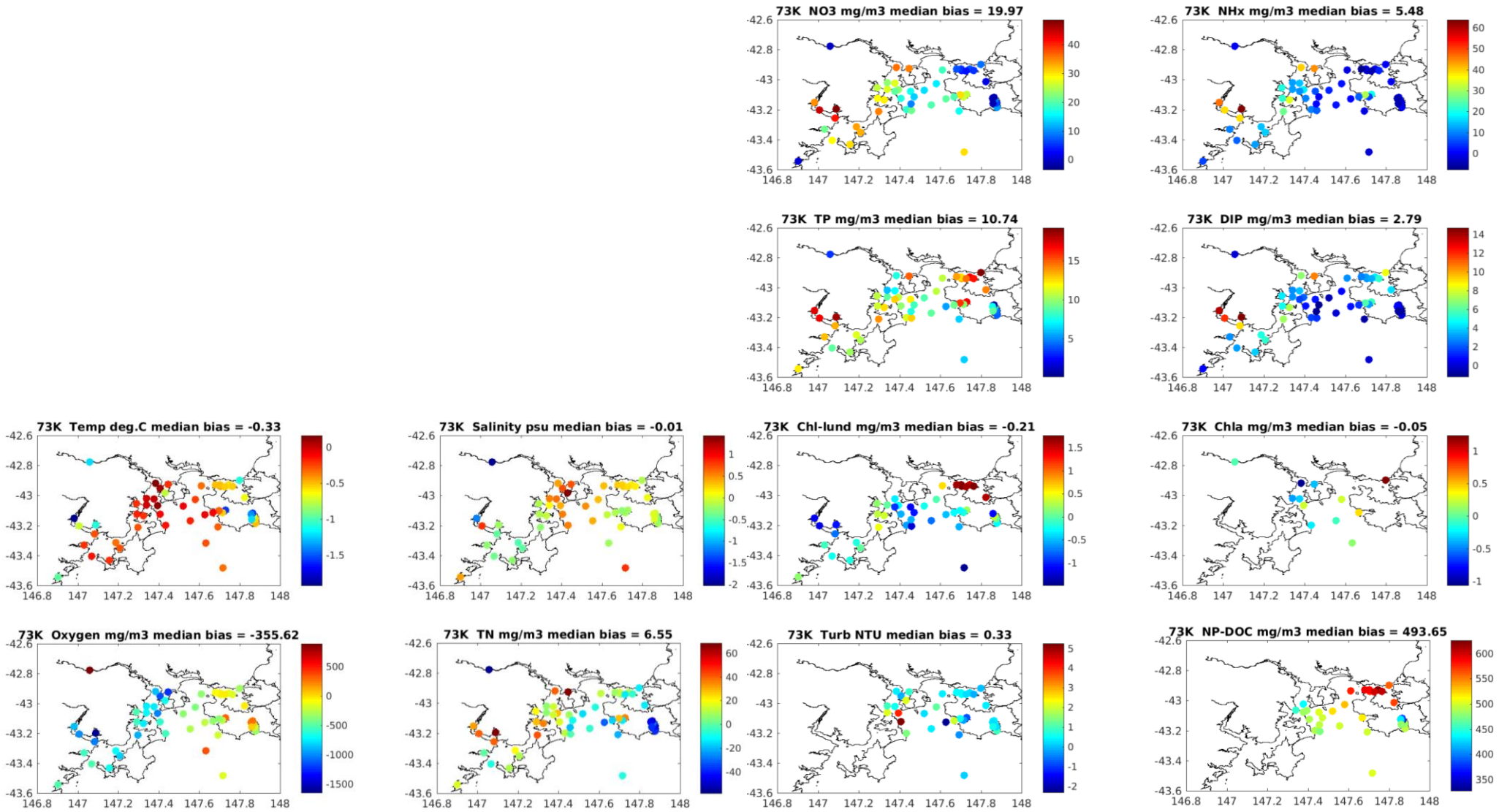
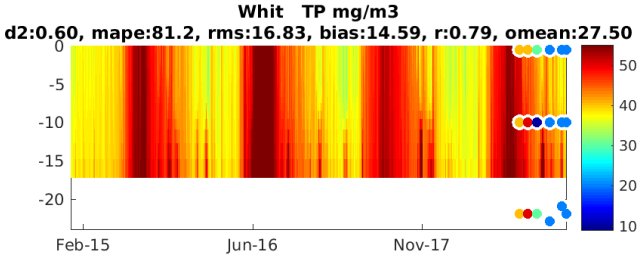
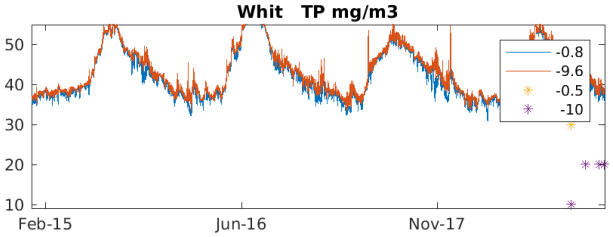
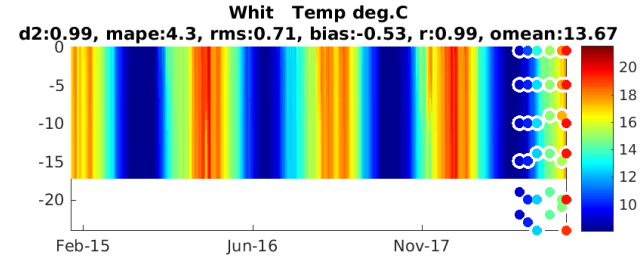
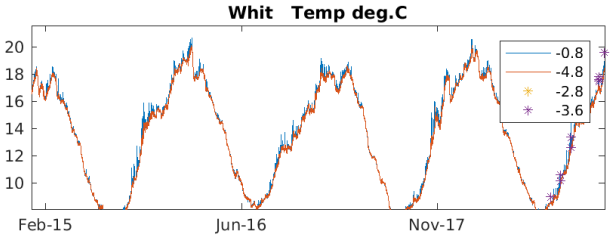


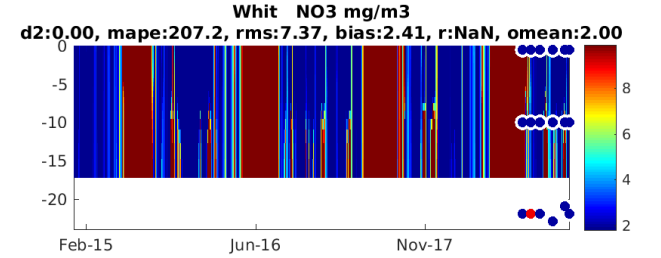
Figure A6.3 Spatial distribution of model bias c.f. observations at stations throughout the region from 2015 to (May) 2020.

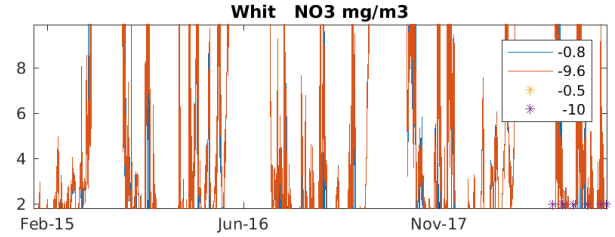

Whit TP mg/m3
d2:0.60, mape:81.2, rms:16.83, bias:14.59, r:0.79, omean:27.50
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
50
40
30
20
10

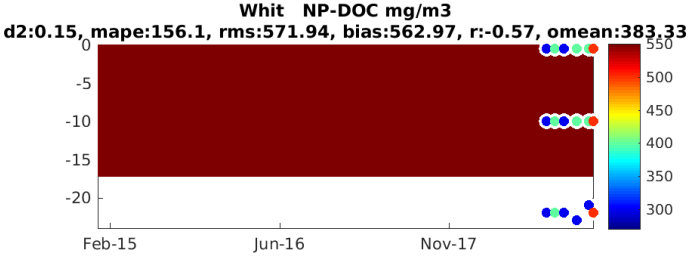

Whit TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

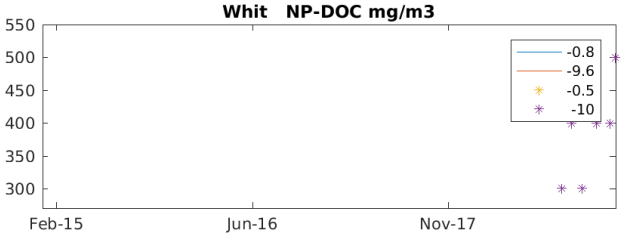

Whit Temp deg.C
d2:0.99, mape:4.3, rms:0.71, bias:-0.53, r:0.99, omean:13.67
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
20
18
16
14
12
10

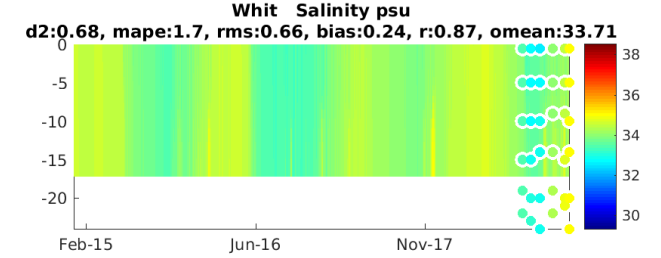

Whit Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-2.8
-3.6

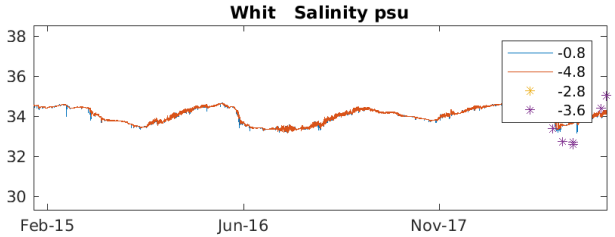

Whit NO3 mg/m3
d2:0.00, mape:207.2, rms:7.37, bias:2.41, r:NaN, omean:2.00
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
8
6
4
2

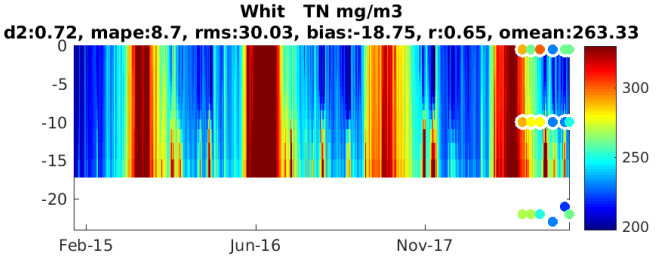

Whit NO3 mg/m3
8
6
4
2
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

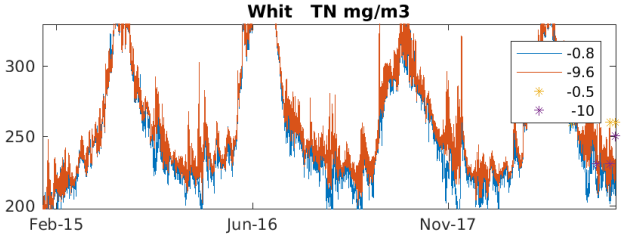

Whit NP-DOC mg/m3
d2:0.15, mape:156.1, rms:571.94, bias:562.97, r:-0.57, omean:383.33
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
550
500
450
400
350
300

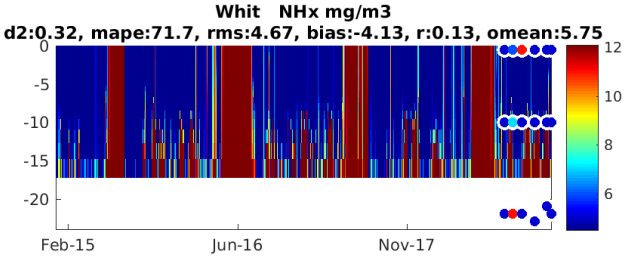

Whit NP-DOC mg/m3
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

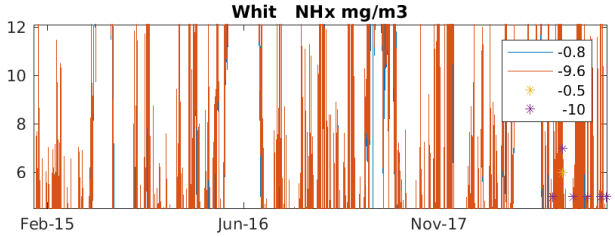

Whit Salinity psu
d2:0.68, mape:1.7, rms:0.66, bias:0.24, r:0.87, omean:33.71
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
38
36
34
32
30

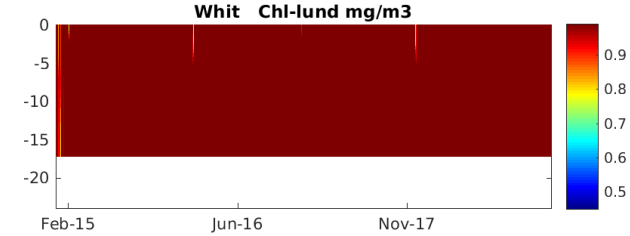

Whit Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-2.8
-3.6

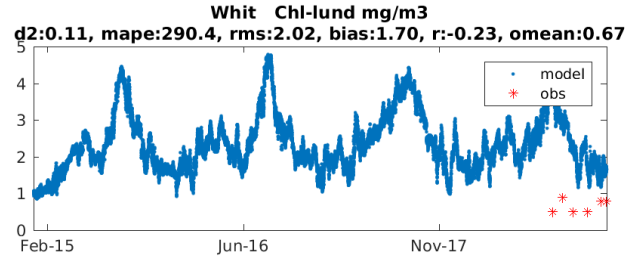

Whit TN mg/m3
d2:0.72, mape:8.7, rms:30.03, bias:-18.75, r:0.65, omean:263.33
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
300
250
200

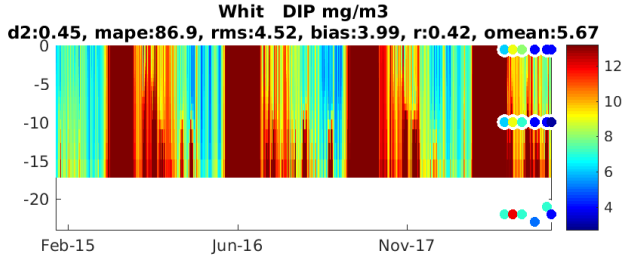

Whit TN mg/m3
300
250
200
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

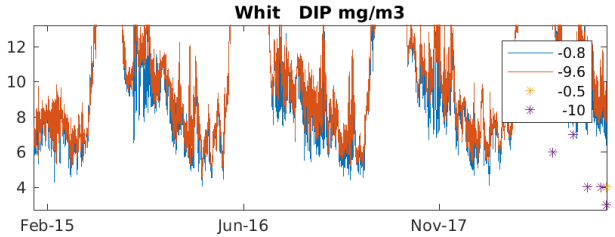

Whit NHx mg/m3
d2:0.32, mape:71.7, rms:4.67, bias:-4.13, r:0.13, omean:5.75
0
-5
-10
-15
-20
12
10
8
6
Feb-15
Jun-16
Nov-17

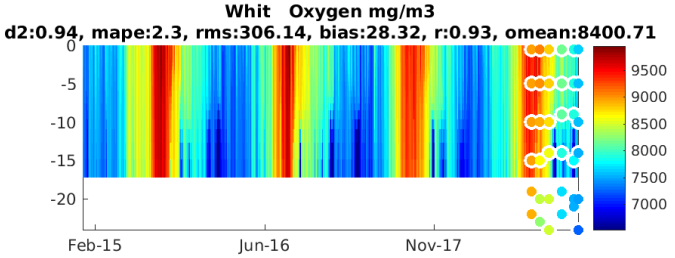

Whit NHx mg/m3
12
10
8
6
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

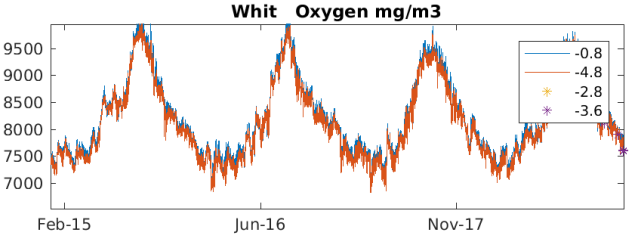

Whit Chl-lund mg/m3
0
-5
-10
-15
-20
0.9
0.8
0.7
0.6
0.5
Feb-15
Jun-16
Nov-17

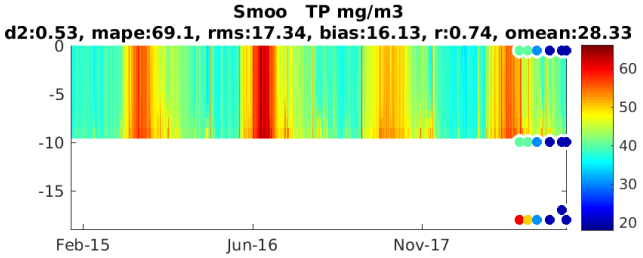

Whit Chl-lund mg/m3
d2:0.11, mape:290.4, rms:2.02, bias:1.70, r:-0.23, omean:0.67
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17

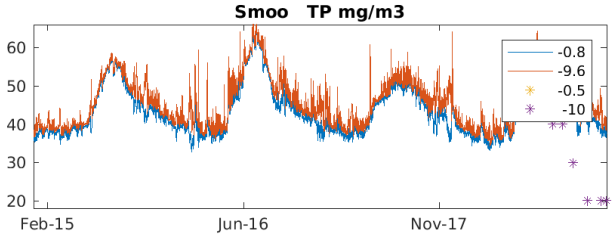

Whit DIP mg/m3
d2:0.45, mape:86.9, rms:4.52, bias:3.99, r:0.42, omean:5.67
0
-5
-10
-15
-20
12
10
8
6
4
Feb-15
Jun-16
Nov-17

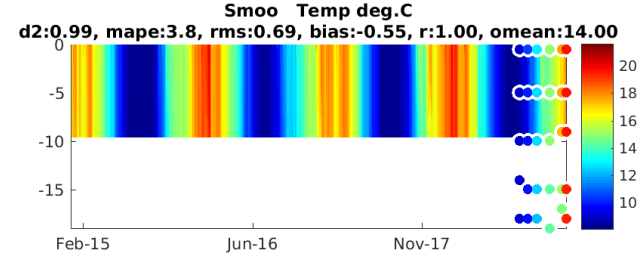

Whit DIP mg/m3
12
10
8
6
4
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

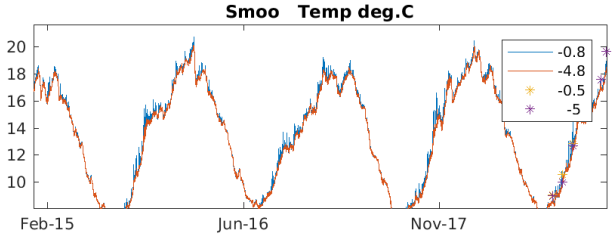

Whit Oxygen mg/m3
d2:0.94, mape:2.3, rms:306.14, bias:28.32, r:0.93, omean:8400.71
0
-5
-10
-15
-20
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17

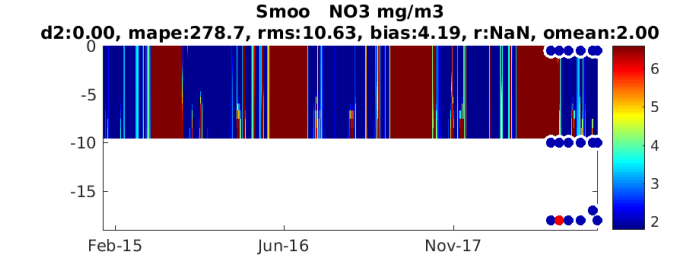

Whit Oxygen mg/m3
9500
9000
8500
8000
7500
7000
-0.8
-4.8
-2.8
-3.6
Feb-15
Jun-16
Nov-17

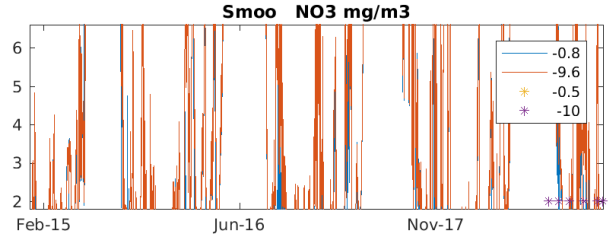

Smoo TP mg/m3
d2:0.53, mape:69.1, rms:17.34, bias:16.13, r:0.74, omean:28.33
0
-5
-10
-15
60
50
40
30
20
Feb-15
Jun-16
Nov-17

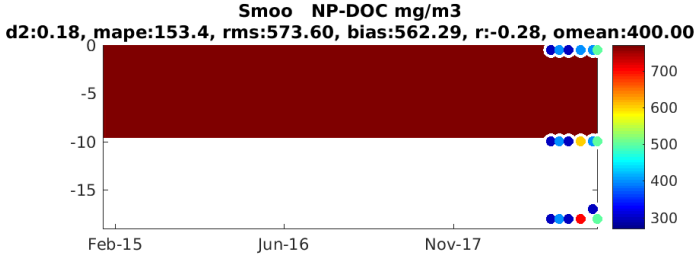

Smoo TP mg/m3
60
50
40
30
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

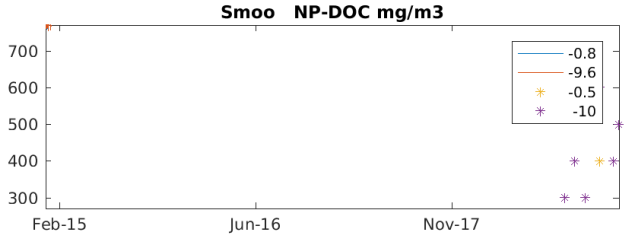

Smoo Temp deg.C
d2:0.99, mape:3.8, rms:0.69, bias:-0.55, r:1.00, omean:14.00
0
-5
-10
-15
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17

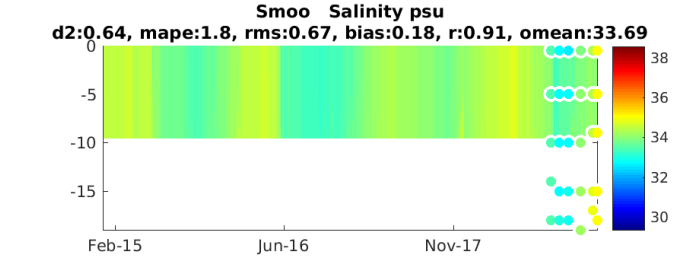

Smoo Temp deg.C
20
18
16
14
12
10
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17

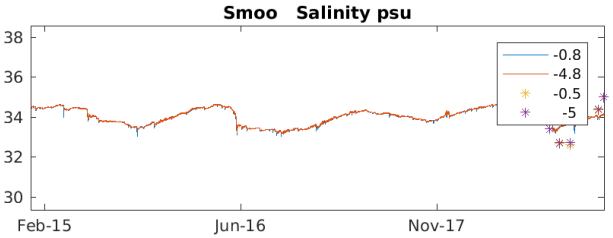

Smoo NO3 mg/m3
d2:0.00, mape:278.7, rms:10.63, bias:4.19, r:NaN, omean:2.00
0
-5
-10
-15
6
5
4
3
2
Feb-15
Jun-16
Nov-17

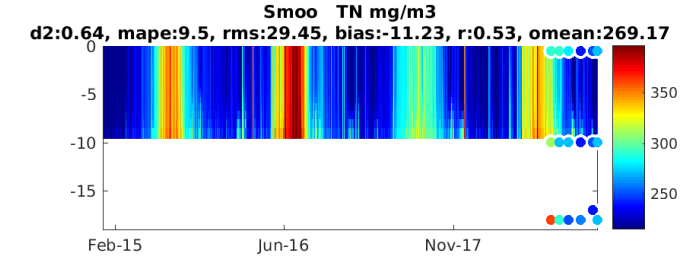

Smoo NO3 mg/m3
6
5
4
3
2
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

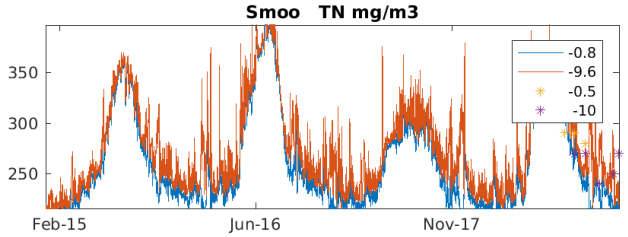

Smoo NP-DOC mg/m3
d2:0.18, mape:153.4, rms:573.60, bias:562.29, r:-0.28, omean:400.00
0
-5
-10
-15
700
600
500
400
300
Feb-15
Jun-16
Nov-17

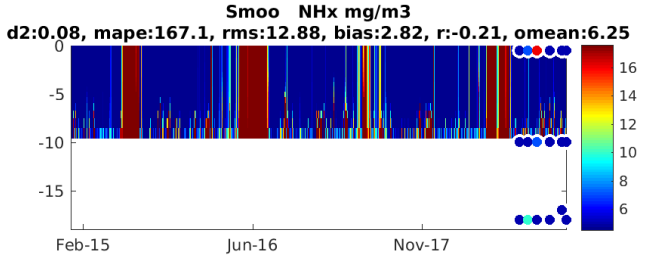

Smoo NP-DOC mg/m3
700
600
500
400
300
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

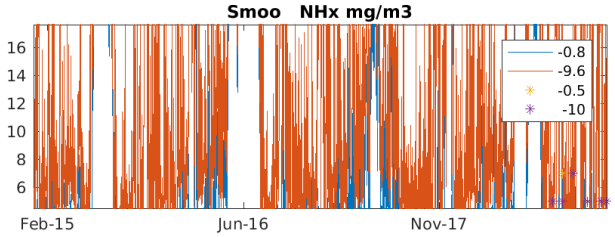

Smoo Salinity psu
d2:0.64, mape:1.8, rms:0.67, bias:0.18, r:0.91, omean:33.69
0
-5
-10
-15
38
36
34
32
30
Feb-15
Jun-16
Nov-17

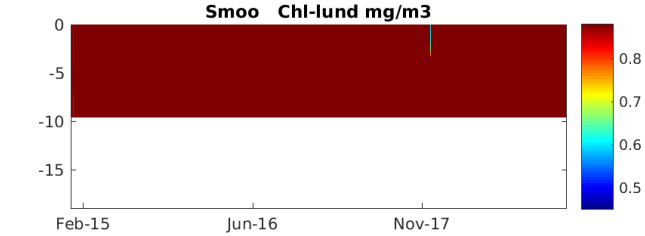

Smoo Salinity psu
38
36
34
32
30
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17

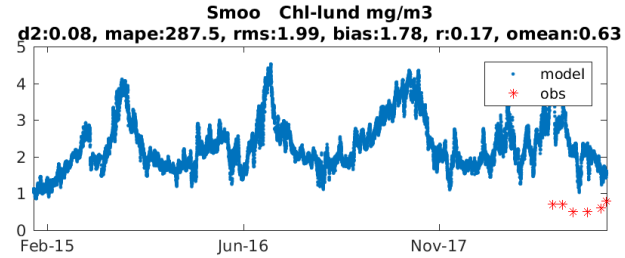

Smoo TN mg/m3
d2:0.64, mape:9.5, rms:29.45, bias:-11.23, r:0.53, omean:269.17
0
-5
-10
-15
350
300
250
Feb-15
Jun-16
Nov-17

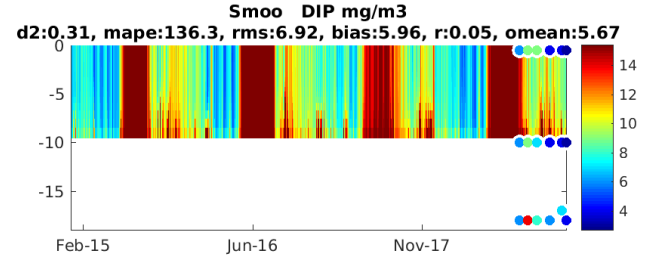

Smoo TN mg/m3
350
300
250
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

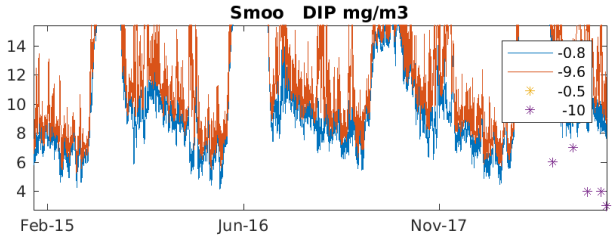

Smoo NHx mg/m3
d2:0.08, mape:167.1, rms:12.88, bias:2.82, r:-0.21, omean:6.25
0
-5
-10
-15
16
14
12
10
8
6
Feb-15
Jun-16
Nov-17

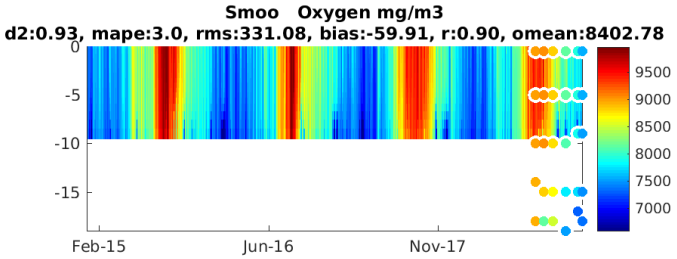

Smoo NHx mg/m3
16
14
12
10
8
6
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

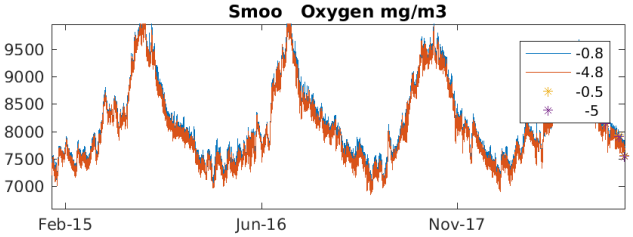

Smoo Chl-lund mg/m3
0
-5
-10
-15
0.8
0.7
0.6
0.5
Feb-15
Jun-16
Nov-17

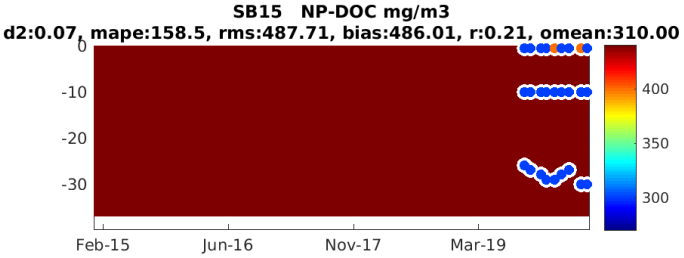

Smoo Chl-lund mg/m3
d2:0.08, mape:287.5, rms:1.99, bias:1.78, r:0.17, omean:0.63
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17

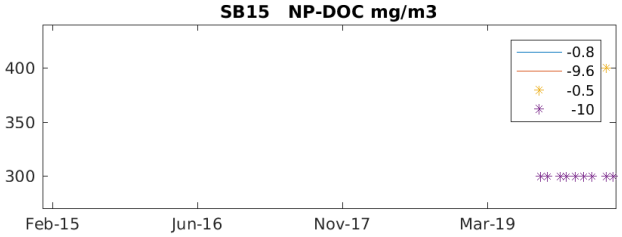

Smoo DIP mg/m3
d2:0.31, mape:136.3, rms:6.92, bias:5.96, r:0.05, omean:5.67
0
-5
-10
-15
14
12
10
8
6
4
Feb-15
Jun-16
Nov-17

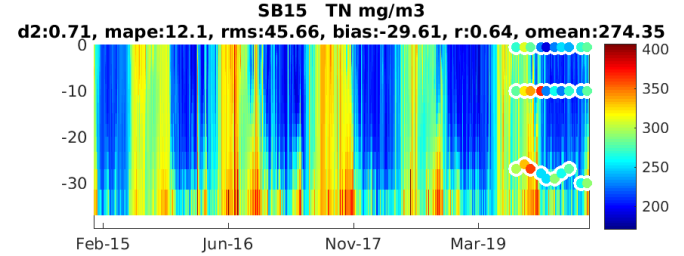

Smoo DIP mg/m3
14
12
10
8
6
4
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

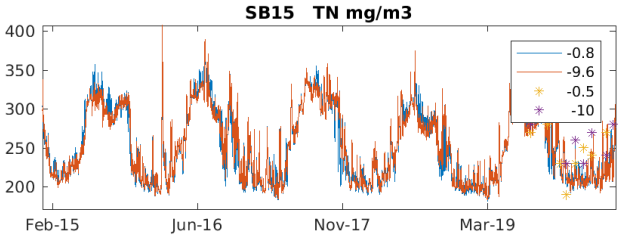

Smoo Oxygen mg/m3
d2:0.93, mape:3.0, rms:331.08, bias:-59.91, r:0.90, omean:8402.78
0
-5
-10
-15
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17

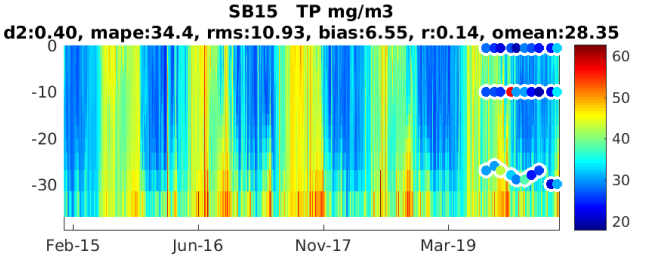

Smoo Oxygen mg/m3
9500
9000
8500
8000
7500
7000
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17

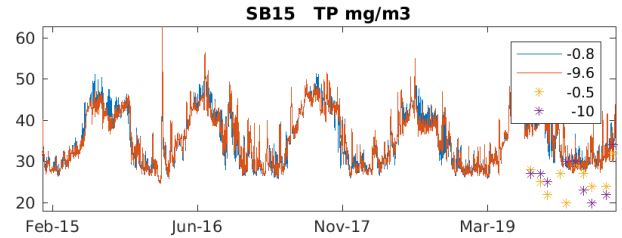

SB15 NP-DOC mg/m3
d2:0.07, mape:158.5, rms:487.71, bias:486.01, r:0.21, omean:310.00
0
-10
-20
-30
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19

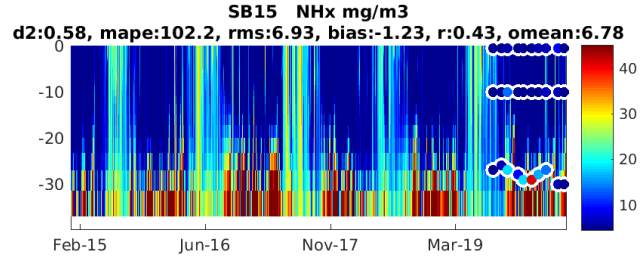

SB15 NP-DOC mg/m3
400
350
300
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

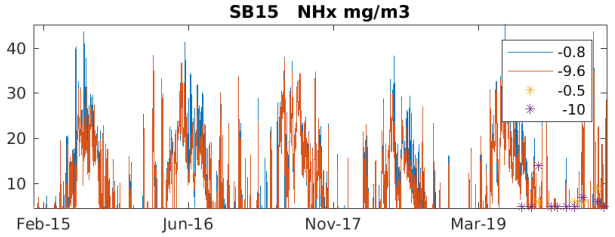

SB15 TN mg/m3
d2:0.71, mape:12.1, rms:45.66, bias:-29.61, r:0.64, omean:274.35
0
-10
-20
-30
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19

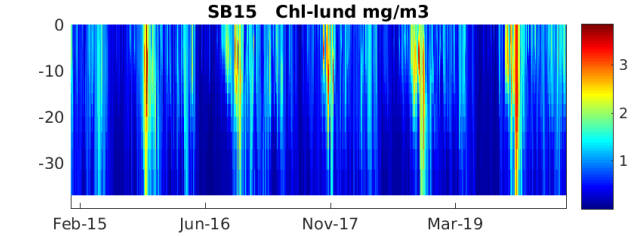

SB15 TN mg/m3
400
350
300
250
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

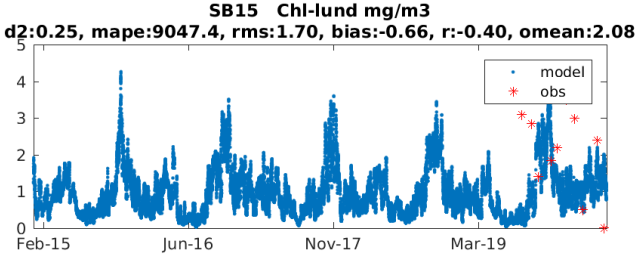

SB15 TP mg/m3
d2:0.40, mape:34.4, rms:10.93, bias:6.55, r:0.14, omean:28.35
0
-10
-20
-30
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19

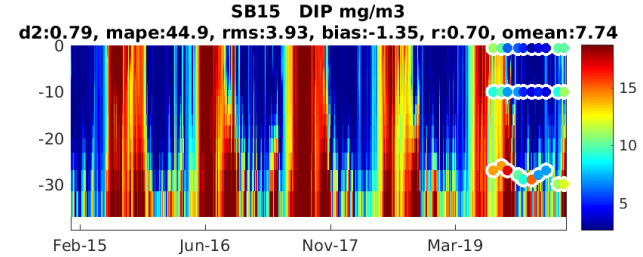

SB15 TP mg/m3
60
50
40
30
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

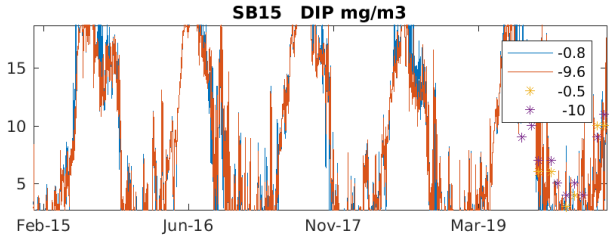

SB15 NHx mg/m3
d2:0.58, mape:102.2, rms:6.93, bias:-1.23, r:0.43, omean:6.78
0
-10
-20
-30
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

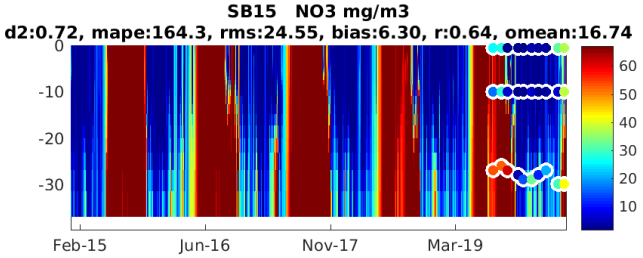

SB15 NHx mg/m3
40
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

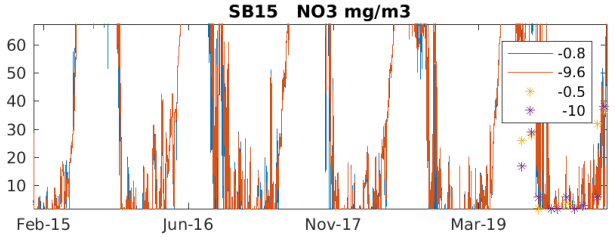

SB15 Chl-lund mg/m3
0
-10
-20
-30
3
2
1
Feb-15
Jun-16
Nov-17
Mar-19

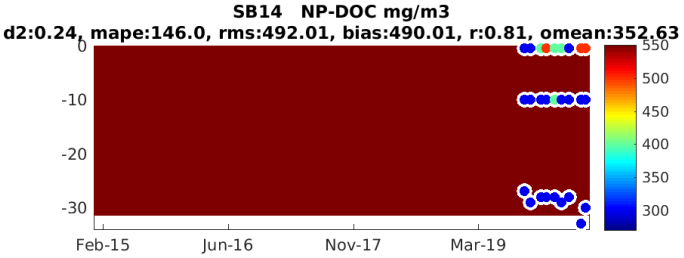

SB15 Chl-lund mg/m3
d2:0.25, mape:9047.4, rms:1.70, bias:-0.66, r:-0.40, omean:2.08
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

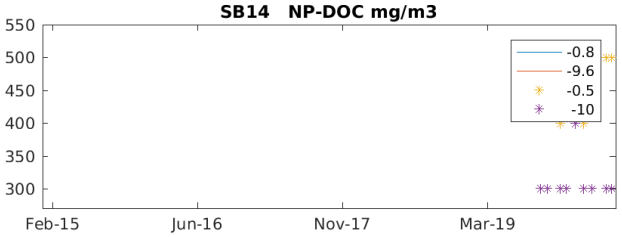

SB15 DIP mg/m3
d2:0.79, mape:44.9, rms:3.93, bias:-1.35, r:0.70, omean:7.74
0
-10
-20
-30
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

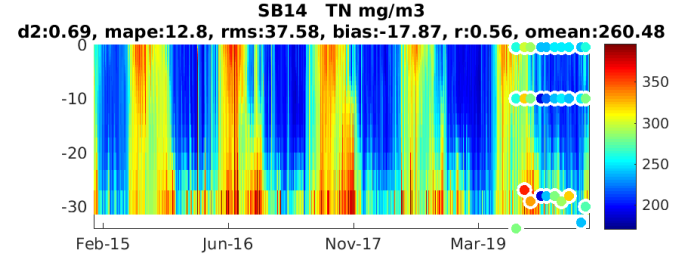

SB15 DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

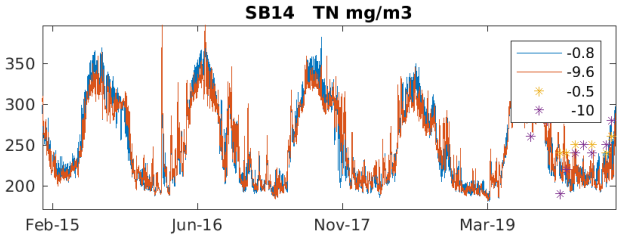

SB15 NO3 mg/m3
d2:0.72, mape:164.3, rms:24.55, bias:6.30, r:0.64, omean:16.74
0
-10
-20
-30
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

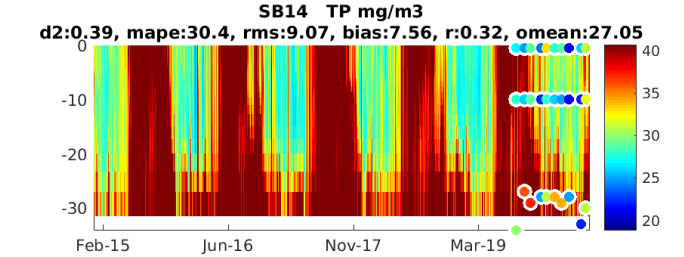

SB15 NO3 mg/m3
60
50
40
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

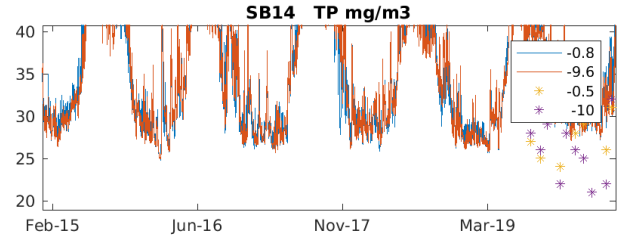

SB14 NP-DOC mg/m3
d2:0.24, mape:146.0, rms:492.01, bias:490.01, r:0.81, omean:352.63
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
550
500
450
400
350
300

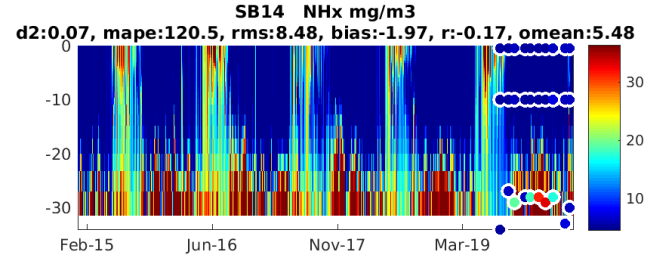

SB14 NP-DOC mg/m3
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

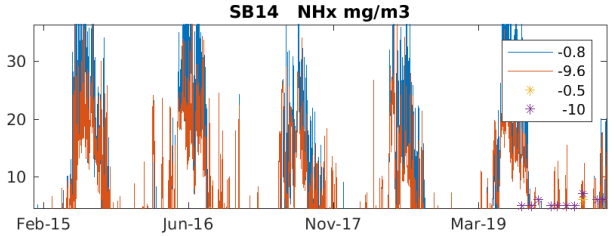

SB14 TN mg/m3
d2:0.69, mape:12.8, rms:37.58, bias:-17.87, r:0.56, omean:260.48
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
350
300
250
200

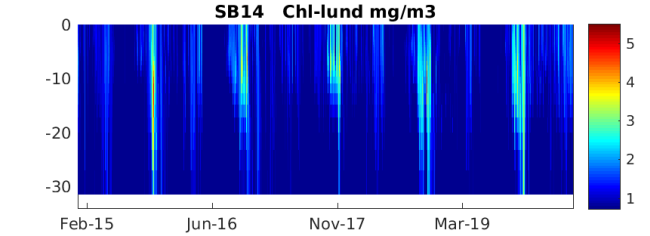

SB14 TN mg/m3
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

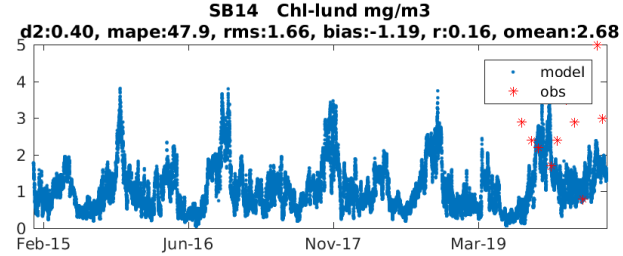

SB14 TP mg/m3
d2:0.39, mape:30.4, rms:9.07, bias:7.56, r:0.32, omean:27.05
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
40
35
30
25
20

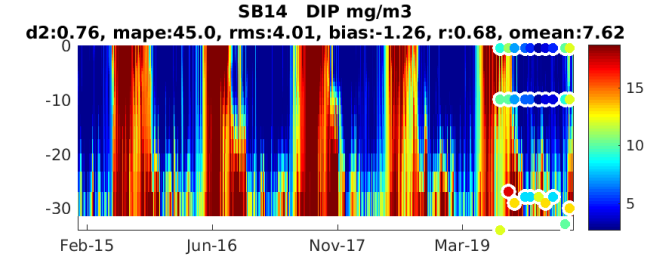

SB14 TP mg/m3
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

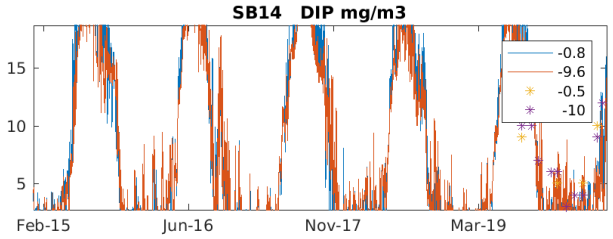

SB14 NHx mg/m3
d2:0.07, mape:120.5, rms:8.48, bias:-1.97, r:-0.17, omean:5.48
0
-10
-20
-30
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

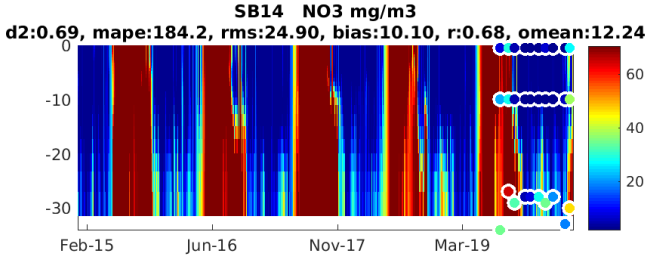

SB14 NHx mg/m3
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

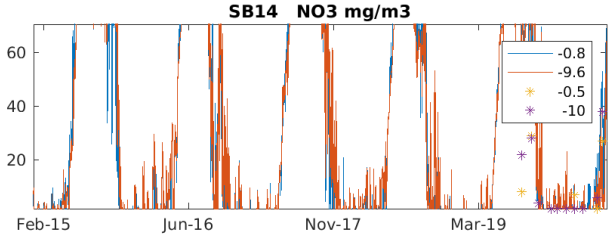

SB14 Chl-lund mg/m3
0
-10
-20
-30
5
4
3
2
1
Feb-15
Jun-16
Nov-17
Mar-19

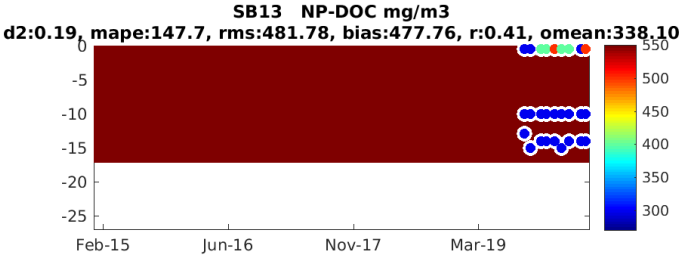

SB14 Chl-lund mg/m3
d2:0.40, mape:47.9, rms:1.66, bias:-1.19, r:0.16, omean:2.68
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

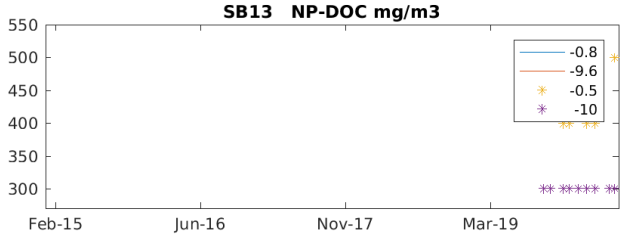

SB14 DIP mg/m3
d2:0.76, mape:45.0, rms:4.01, bias:-1.26, r:0.68, omean:7.62
0
-10
-20
-30
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

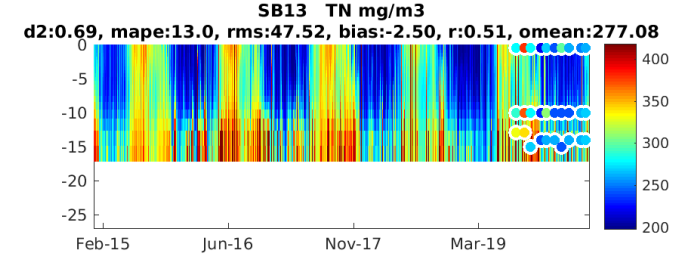

SB14 DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

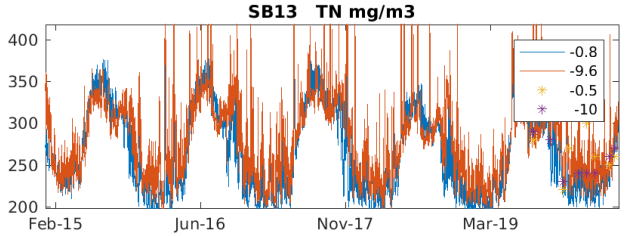

SB14 NO3 mg/m3
d2:0.69, mape:184.2, rms:24.90, bias:10.10, r:0.68, omean:12.24
0
-10
-20
-30
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19

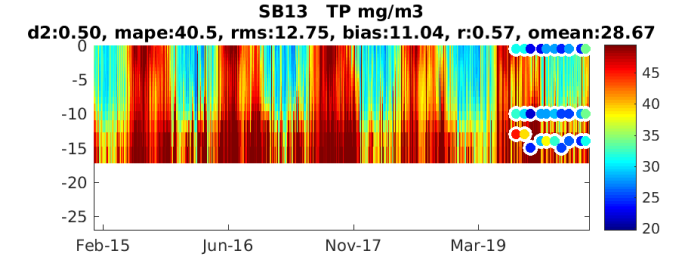

SB14 NO3 mg/m3
60
40
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

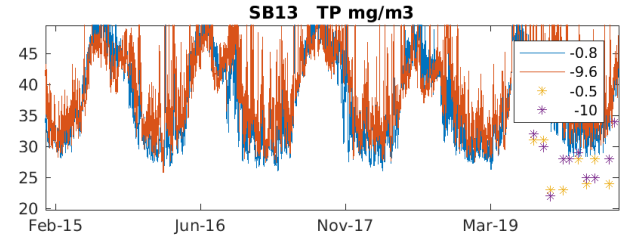

SB13 NP-DOC mg/m3
d2:0.19, mape:147.7, rms:481.78, bias:477.76, r:0.41, omean:338.10
0
-5
-10
-15
-20
-25
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19

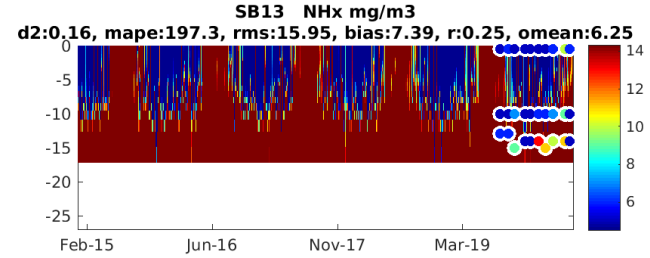

SB13 NP-DOC mg/m3
550
500
450
400
350
300
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

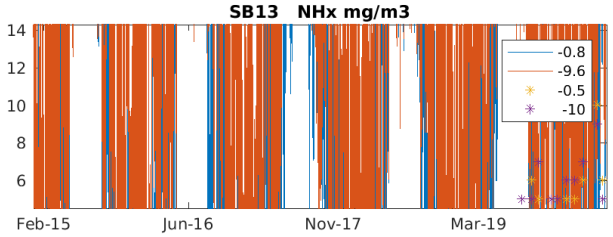

SB13 TN mg/m3
d2:0.69, mape:13.0, rms:47.52, bias:-2.50, r:0.51, omean:277.08
0
-5
-10
-15
-20
-25
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19

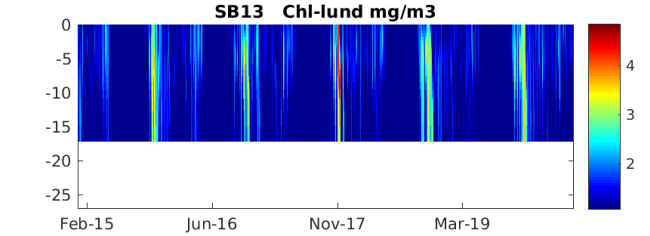

SB13 TN mg/m3
400
350
300
250
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

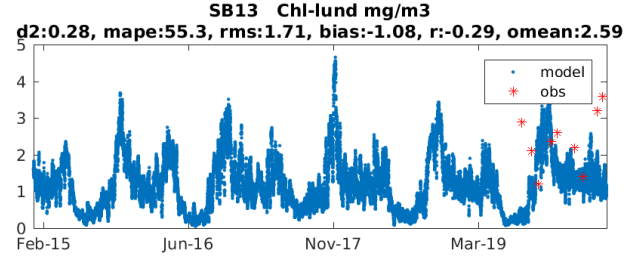

SB13 TP mg/m3
d2:0.50, mape:40.5, rms:12.75, bias:11.04, r:0.57, omean:28.67
0
-5
-10
-15
-20
-25
45
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19

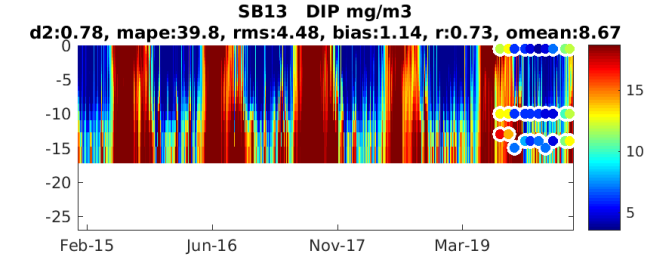

SB13 TP mg/m3
45
40
35
30
25
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

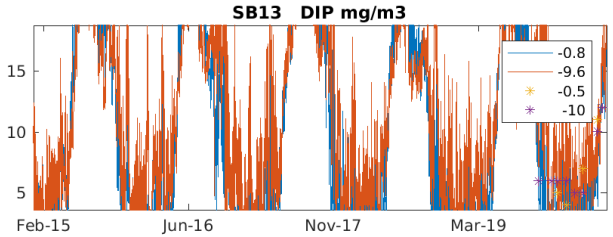

SB13 NHx mg/m3
d2:0.16, mape:197.3, rms:15.95, bias:7.39, r:0.25, omean:6.25
0
-5
-10
-15
-20
-25
14
12
10
8
6
Feb-15
Jun-16
Nov-17
Mar-19

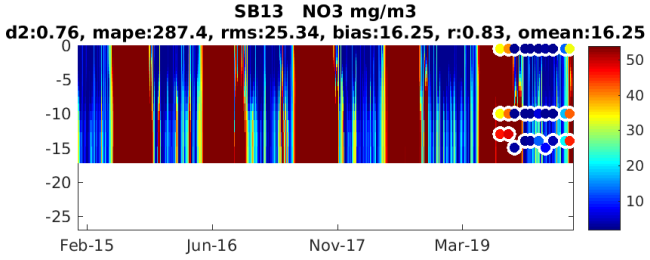

SB13 NHx mg/m3
14
12
10
8
6
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

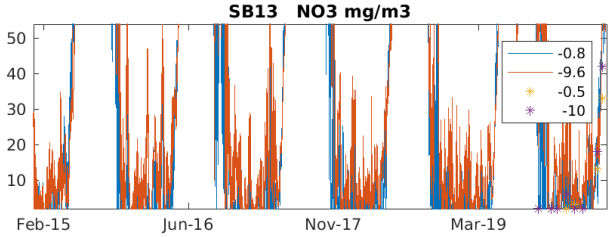

SB13 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
4
3
2
Feb-15
Jun-16
Nov-17
Mar-19

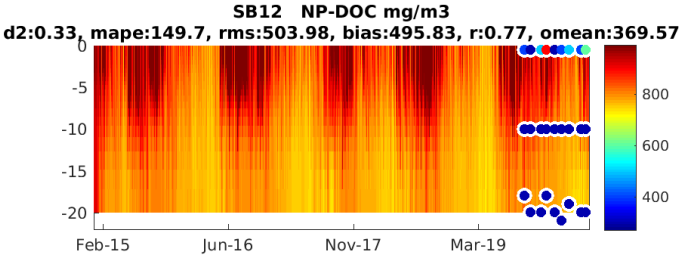

SB13 Chl-lund mg/m3
d2:0.28, mape:55.3, rms:1.71, bias:-1.08, r:-0.29, omean:2.59
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

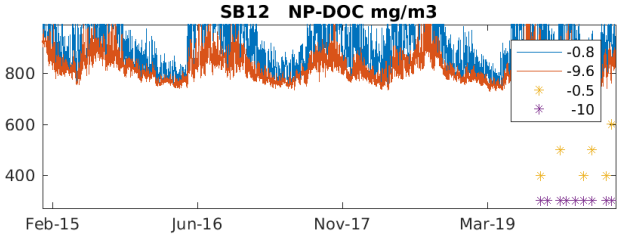

SB13 DIP mg/m3
d2:0.78, mape:39.8, rms:4.48, bias:1.14, r:0.73, omean:8.67
0
-5
-10
-15
-20
-25
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

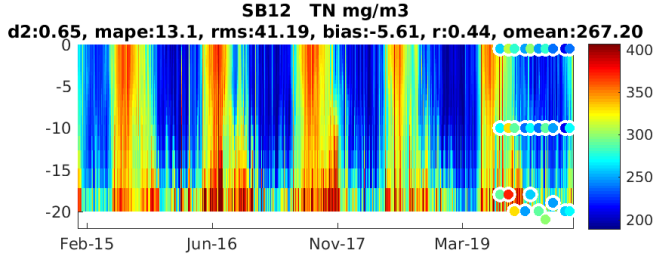

SB13 DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

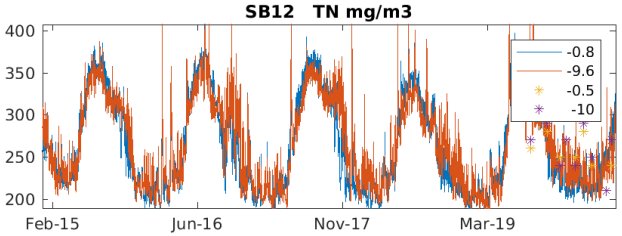

SB13 NO3 mg/m3
d2:0.76, mape:287.4, rms:25.34, bias:16.25, r:0.83, omean:16.25
0
-5
-10
-15
-20
-25
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

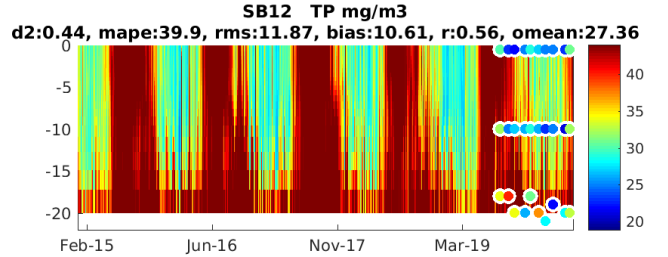

SB13 NO3 mg/m3
50
40
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

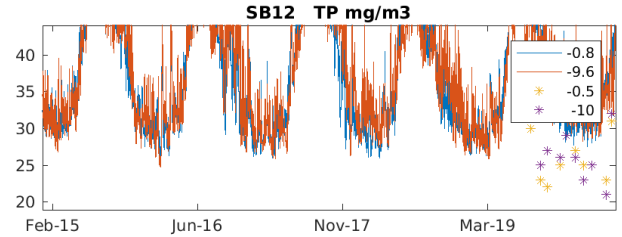

SB12 NP-DOC mg/m3
d2:0.33, mape:149.7, rms:503.98, bias:495.83, r:0.77, omean:369.57
0
-5
-10
-15
-20
800
600
400
Feb-15
Jun-16
Nov-17
Mar-19

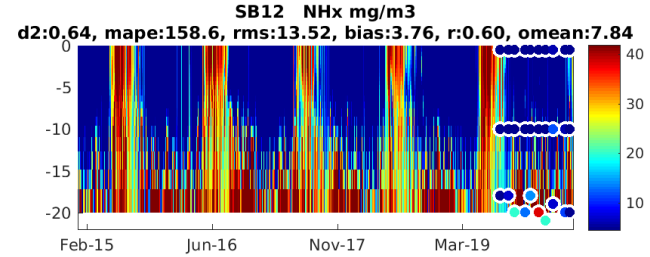

SB12 NP-DOC mg/m3
800
600
400
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

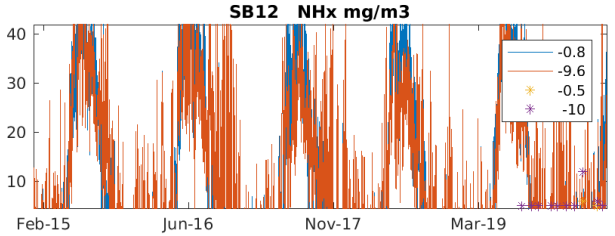

SB12 TN mg/m3
d2:0.65, mape:13.1, rms:41.19, bias:-5.61, r:0.44, omean:267.20
0
-5
-10
-15
-20
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19

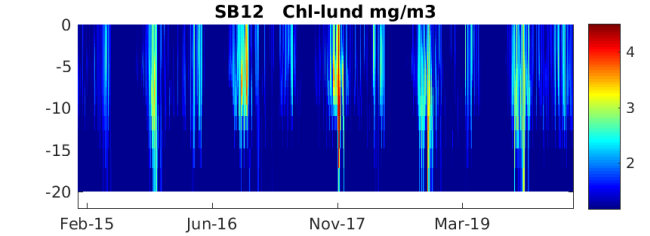

SB12 TN mg/m3
400
350
300
250
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

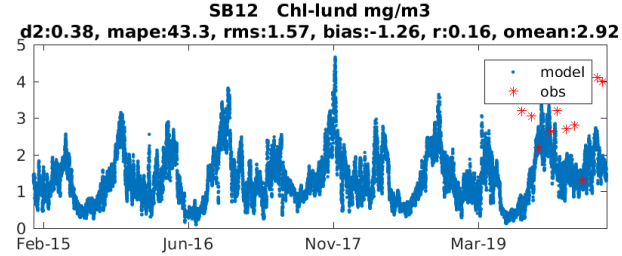

SB12 TP mg/m3
d2:0.44, mape:39.9, rms:11.87, bias:10.61, r:0.56, omean:27.36
0
-5
-10
-15
-20
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19

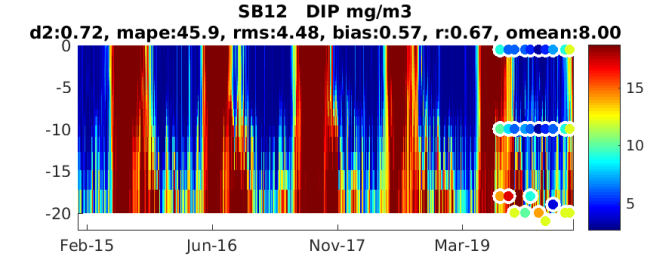

SB12 TP mg/m3
40
35
30
25
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

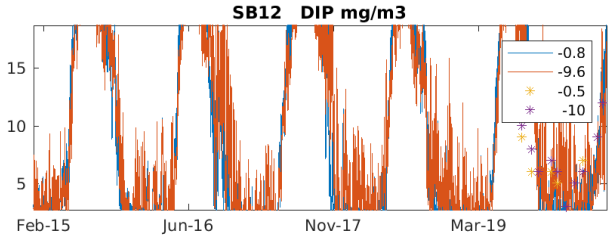

SB12 NHx mg/m3
d2:0.64, mape:158.6, rms:13.52, bias:3.76, r:0.60, omean:7.84
0
-5
-10
-15
-20
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

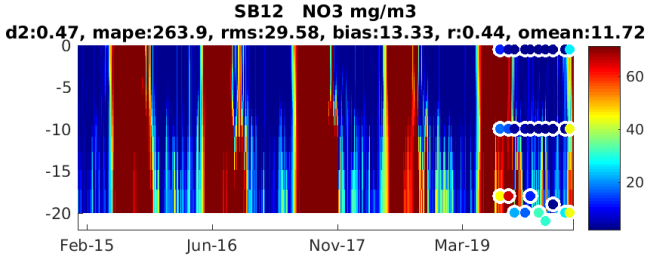

SB12 NHx mg/m3
40
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

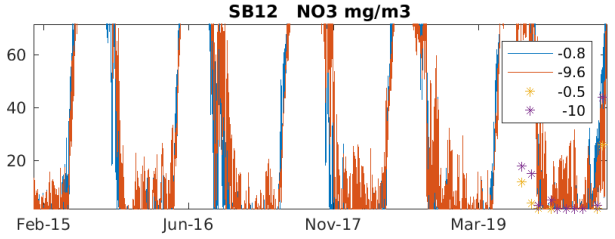

SB12 Chl-lund mg/m3
0
-5
-10
-15
-20
4
3
2
Feb-15
Jun-16
Nov-17
Mar-19

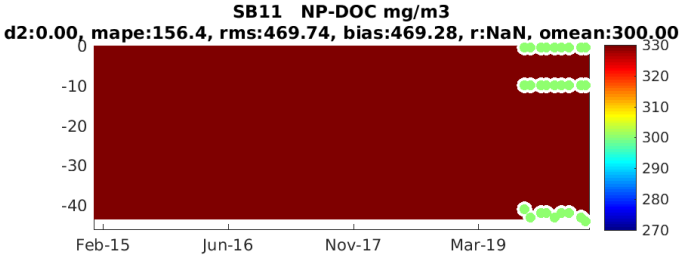

SB12 Chl-lund mg/m3
d2:0.38, mape:43.3, rms:1.57, bias:-1.26, r:0.16, omean:2.92
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

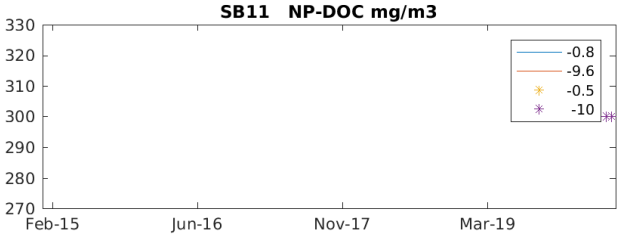

SB12 DIP mg/m3
d2:0.72, mape:45.9, rms:4.48, bias:0.57, r:0.67, omean:8.00
0
-5
-10
-15
-20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

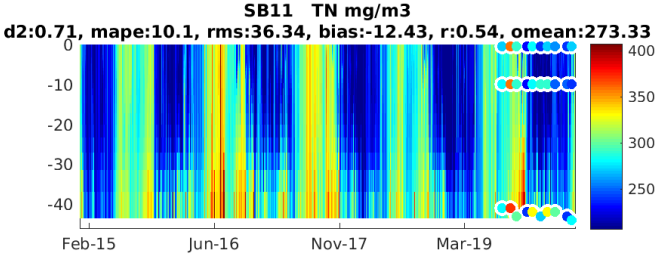

SB12 DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

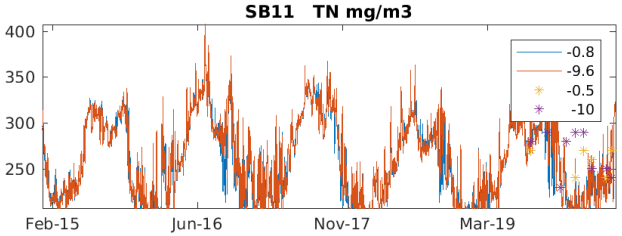

SB12 NO3 mg/m3
d2:0.47, mape:263.9, rms:29.58, bias:13.33, r:0.44, omean:11.72
0
-5
-10
-15
-20
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19

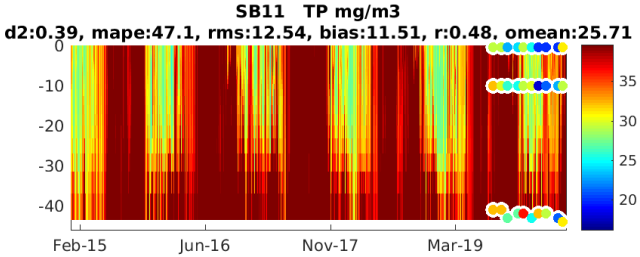

SB12 NO3 mg/m3
60
40
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

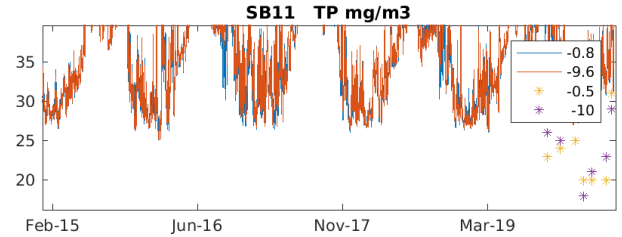

SB11 NP-DOC mg/m3
d2:0.00, mape:156.4, rms:469.74, bias:469.28, r:NaN, omean:300.00
0
-10
-20
-30
-40
330
320
310
300
290
280
270
Feb-15
Jun-16
Nov-17
Mar-19

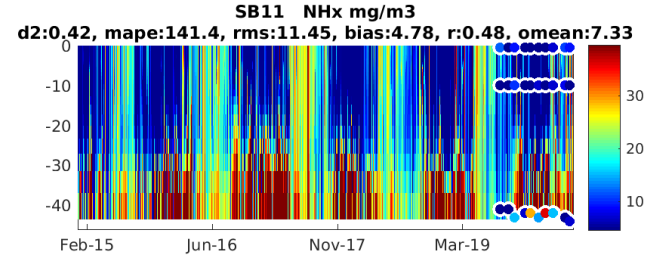

SB11 NP-DOC mg/m3
330
320
310
300
290
280
270
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

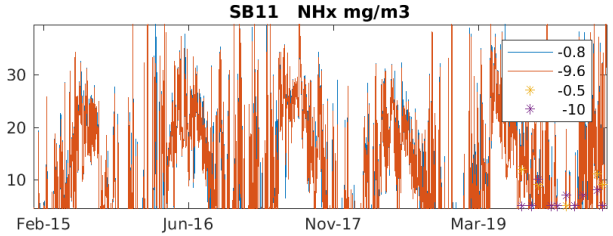

SB11 TN mg/m3
d2:0.71, mape:10.1, rms:36.34, bias:-12.43, r:0.54, omean:273.33
0
-10
-20
-30
-40
400
350
300
250
Feb-15
Jun-16
Nov-17
Mar-19

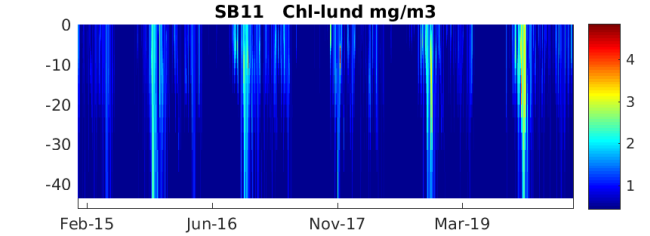

SB11 TN mg/m3
400
350
300
250
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

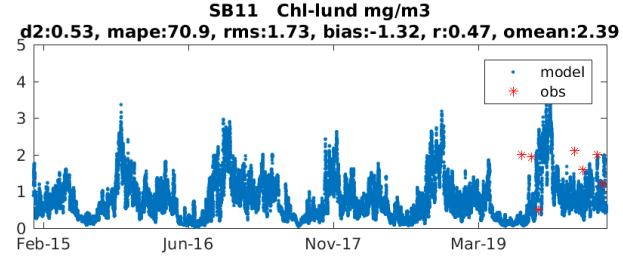

SB11 TP mg/m3
d2:0.39, mape:47.1, rms:12.54, bias:11.51, r:0.48, omean:25.71
0
-10
-20
-30
-40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19

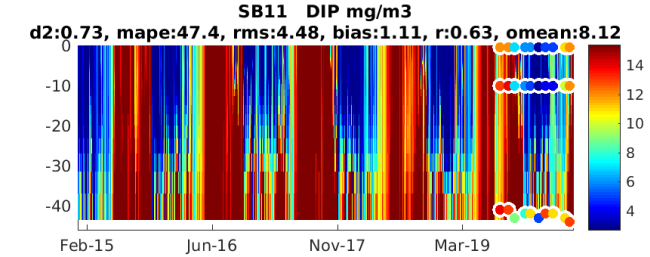

SB11 TP mg/m3
35
30
25
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

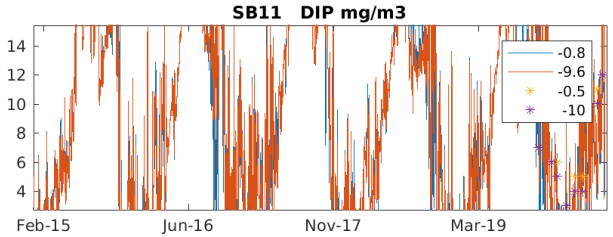

SB11 NHx mg/m3
d2:0.42, mape:141.4, rms:11.45, bias:4.78, r:0.48, omean:7.33
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10

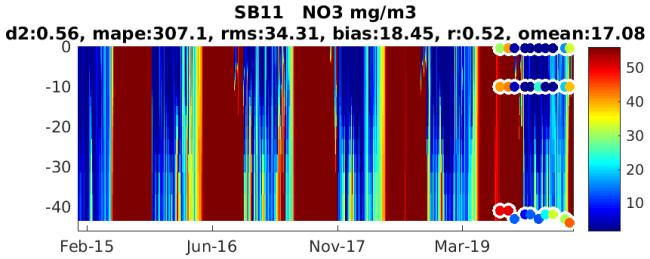

SB11 NHx mg/m3
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

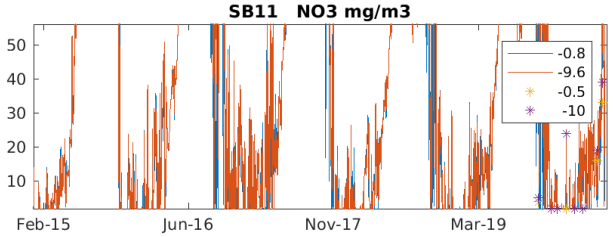

SB11 Chl-lund mg/m3
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1

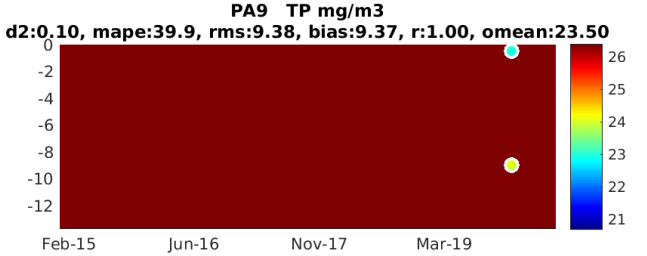

SB11 Chl-lund mg/m3
d2:0.53, mape:70.9, rms:1.73, bias:-1.32, r:0.47, omean:2.39
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

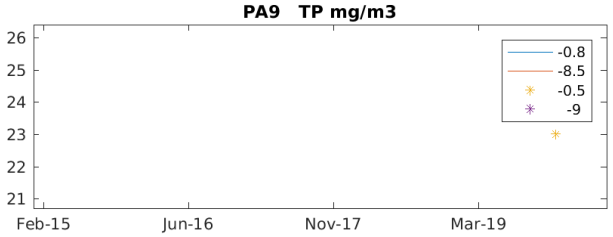

SB11 DIP mg/m3
d2:0.73, mape:47.4, rms:4.48, bias:1.11, r:0.63, omean:8.12
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
14
12
10
8
6
4

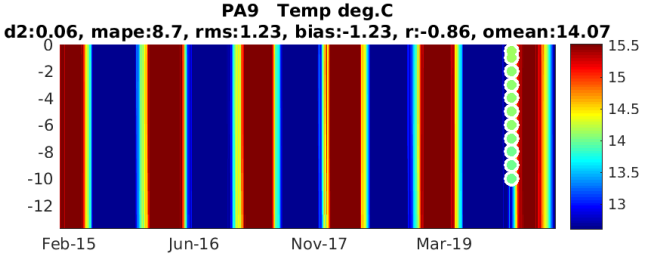

SB11 DIP mg/m3
14
12
10
8
6
4
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

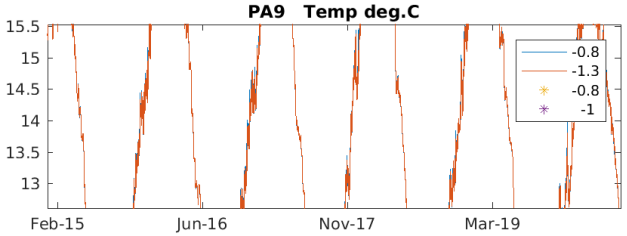

SB11 NO3 mg/m3
d2:0.56, mape:307.1, rms:34.31, bias:18.45, r:0.52, omean:17.08
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

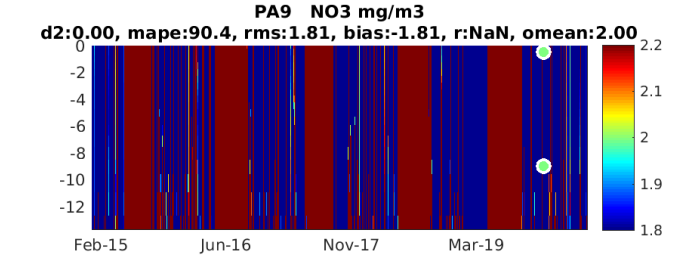

SB11 NO3 mg/m3
50
40
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

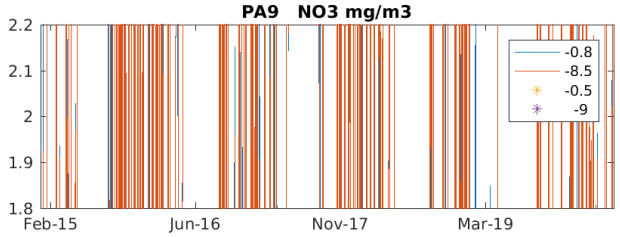

PA9 TP mg/m3
d2:0.10, mape:39.9, rms:9.38, bias:9.37, r:1.00, omean:23.50
0
-2
-4
-6
-8
-10
-12
26
25
24
23
22
21
Feb-15
Jun-16
Nov-17
Mar-19

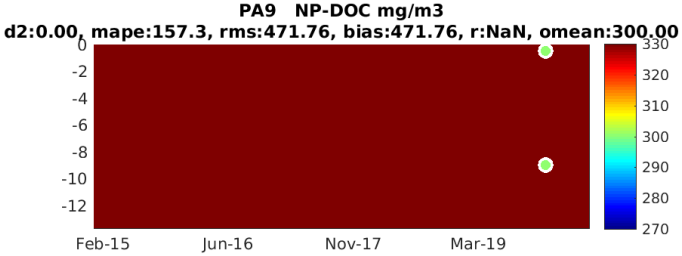

PA9 TP mg/m3
26
25
24
23
22
21
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

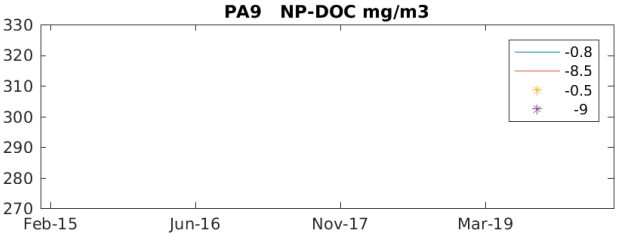

PA9 Temp deg.C
d2:0.06, mape:8.7, rms:1.23, bias:-1.23, r:-0.86, omean:14.07
0
-2
-4
-6
-8
-10
-12
15.5
15
14.5
14
13.5
13
Feb-15
Jun-16
Nov-17
Mar-19

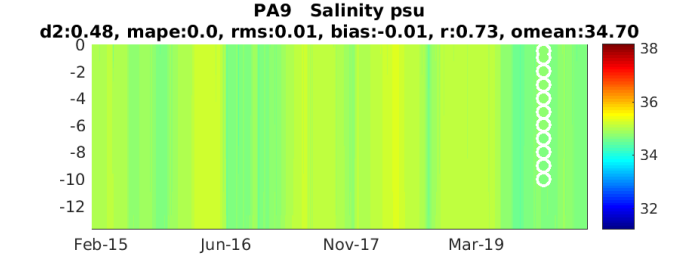

PA9 Temp deg.C
15.5
15
14.5
14
13.5
13
-0.8
-1.3
-0.8
-1
Feb-15
Jun-16
Nov-17
Mar-19

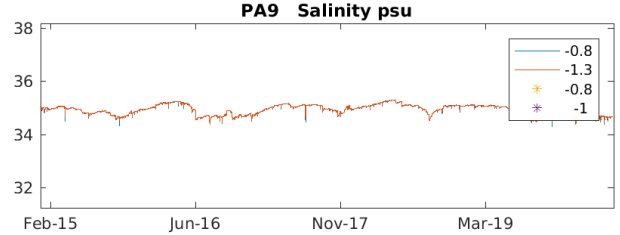

PA9 NO3 mg/m3
d2:0.00, mape:90.4, rms:1.81, bias:-1.81, r:NaN, omean:2.00
0
-2
-4
-6
-8
-10
-12
2.2
2.1
2
1.9
1.8
Feb-15
Jun-16
Nov-17
Mar-19

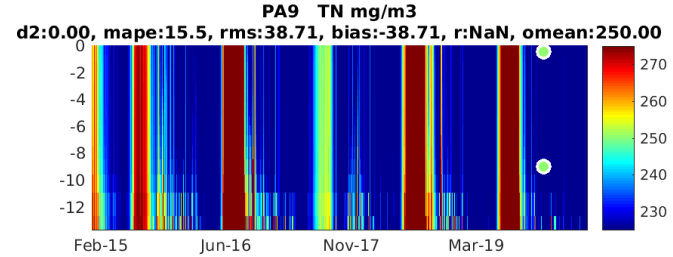

PA9 NO3 mg/m3
2.2
2.1
2
1.9
1.8
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

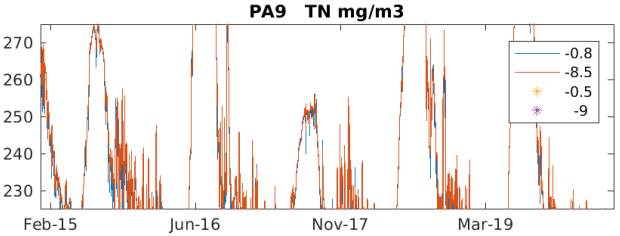

PA9 NP-DOC mg/m3
d2:0.00, mape:157.3, rms:471.76, bias:471.76, r:NaN, omean:300.00
0
-2
-4
-6
-8
-10
-12
330
320
310
300
290
280
270
Feb-15
Jun-16
Nov-17
Mar-19

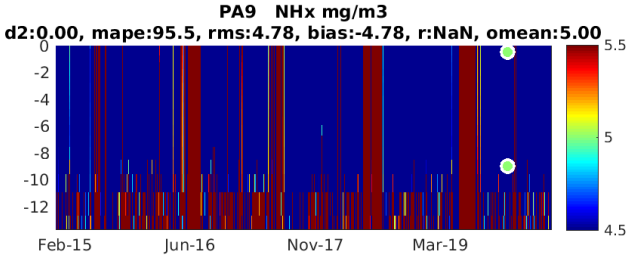

PA9 NP-DOC mg/m3
330
320
310
300
290
280
270
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

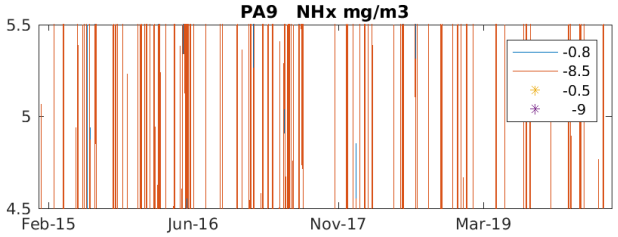

PA9 Salinity psu
d2:0.48, mape:0.0, rms:0.01, bias:-0.01, r:0.73, omean:34.70
0
-2
-4
-6
-8
-10
-12
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19

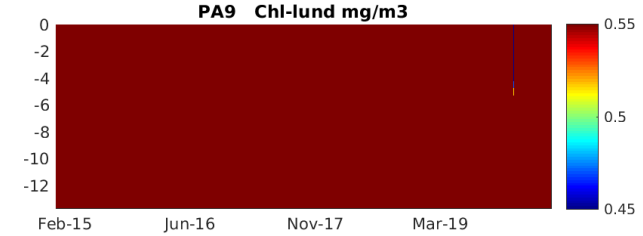

PA9 Salinity psu
38
36
34
32
-0.8
-1.3
-0.8
-1
Feb-15
Jun-16
Nov-17
Mar-19

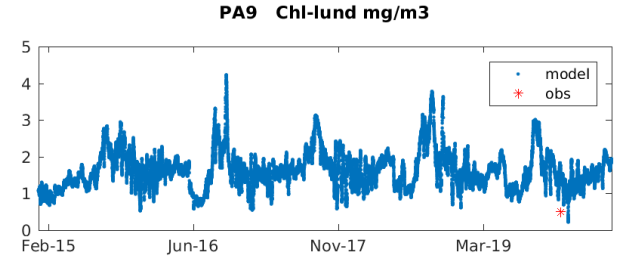

PA9 TN mg/m3
d2:0.00, mape:15.5, rms:38.71, bias:-38.71, r:NaN, omean:250.00
0
-2
-4
-6
-8
-10
-12
270
260
250
240
230
Feb-15
Jun-16
Nov-17
Mar-19

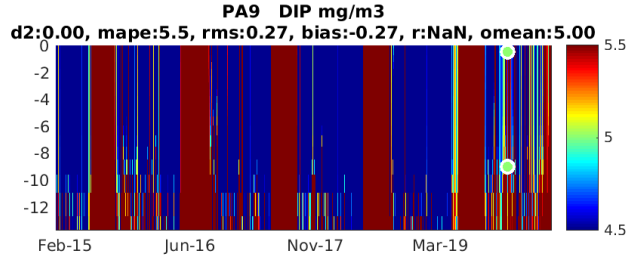

PA9 TN mg/m3
270
260
250
240
230
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

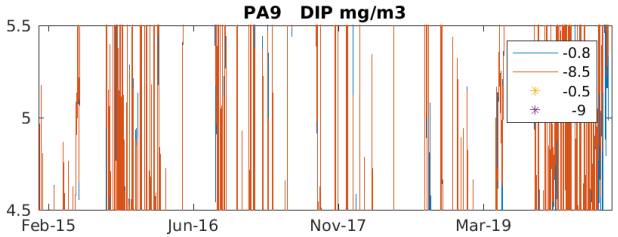

PA9 NHx mg/m3
d2:0.00, mape:95.5, rms:4.78, bias:-4.78, r:NaN, omean:5.00
0
-2
-4
-6
-8
-10
-12
5.5
5
4.5
Feb-15
Jun-16
Nov-17
Mar-19

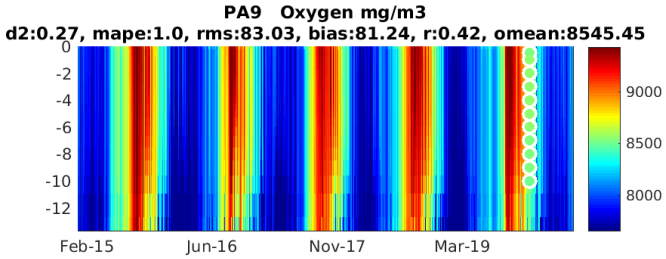

PA9 NHx mg/m3
5.5
5
4.5
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

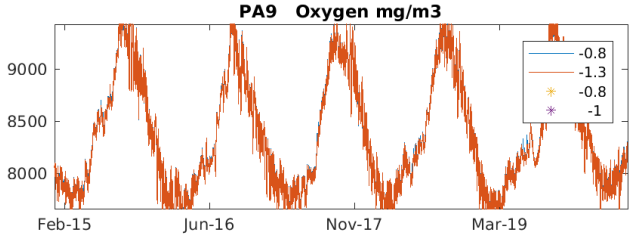

PA9 Chl-lund mg/m3
0
-2
-4
-6
-8
-10
-12
0.55
0.5
0.45
Feb-15
Jun-16
Nov-17
Mar-19

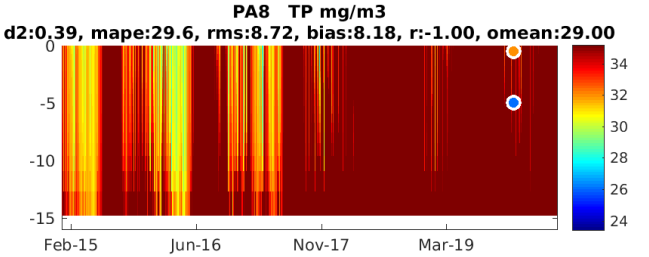

PA9 Chl-lund mg/m3
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

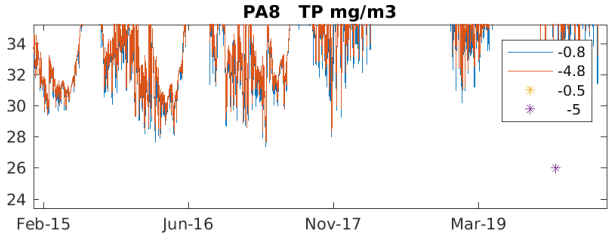

PA9 DIP mg/m3
d2:0.00, mape:5.5, rms:0.27, bias:-0.27, r:NaN, omean:5.00
0
-2
-4
-6
-8
-10
-12
5.5
5
4.5
Feb-15
Jun-16
Nov-17
Mar-19

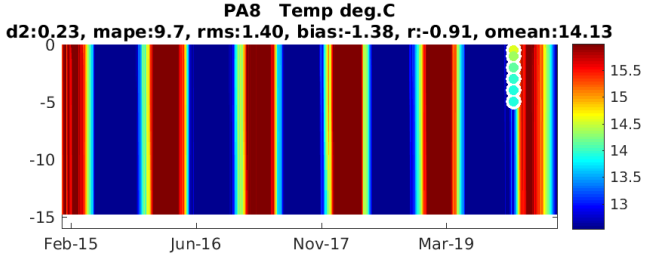

PA9 DIP mg/m3
5.5
5
4.5
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

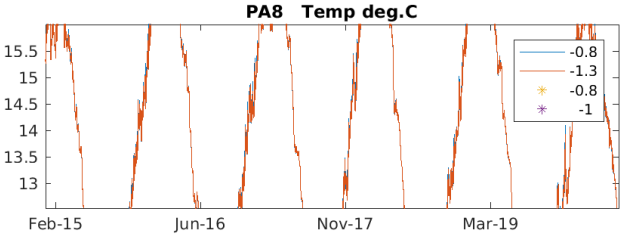

PA9 Oxygen mg/m3
d2:0.27, mape:1.0, rms:83.03, bias:81.24, r:0.42, omean:8545.45
0
-2
-4
-6
-8
-10
-12
9000
8500
8000
Feb-15
Jun-16
Nov-17
Mar-19

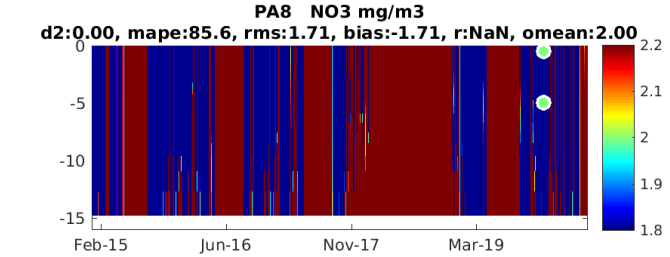

PA9 Oxygen mg/m3
9000
8500
8000
-0.8
-1.3
-0.8
-1
Feb-15
Jun-16
Nov-17
Mar-19

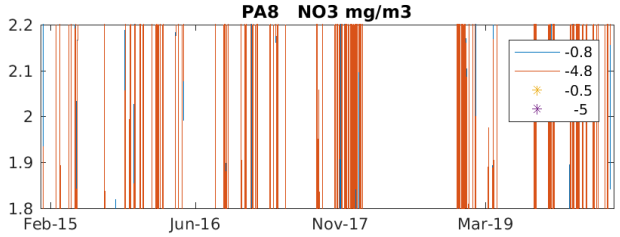

PA8 TP mg/m3
d2:0,39, mape:29.6, rms:8.72, bias:8.18, r:-1.00, omean:29.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
34
32
30
28
26
24

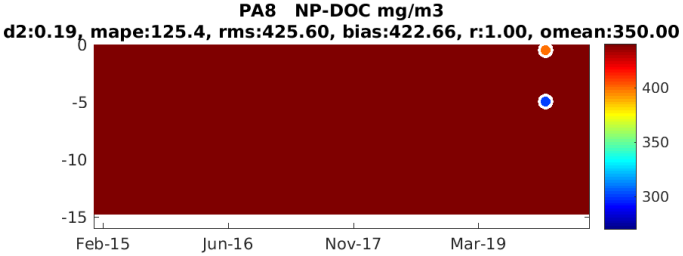

PA8 TP mg/m3
34
32
30
28
26
24
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

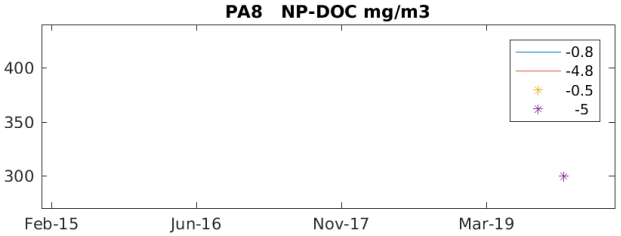

PA8 Temp deg.C
d2:0,23, mape:9.7, rms:1.40, bias:-1.38, r:-0.91, omean:14.13
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
15.5
15
14.5
14
13.5
13

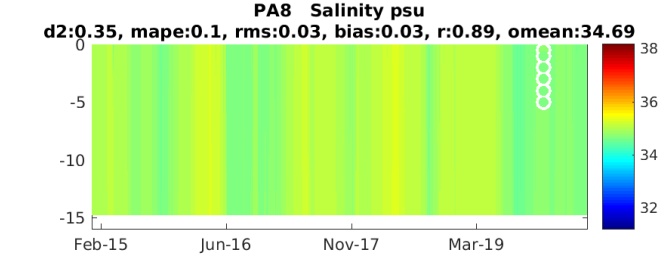

PA8 Temp deg.C
15.5
15
14.5
14
13.5
13
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-1.3
-0.8
-1

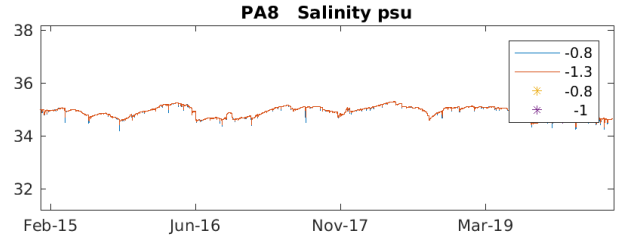

PA8 NO3 mg/m3
d2:0.00, mape:85.6, rms:1.71, bias:-1.71, r:NaN, omean:2.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
2.2
2.1
2
1.9
1.8

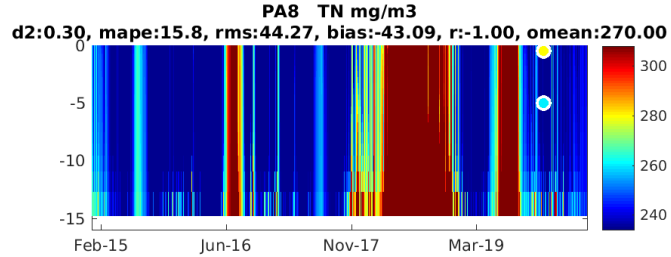

PA8 NO3 mg/m3
2.2
2.1
2
1.9
1.8
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

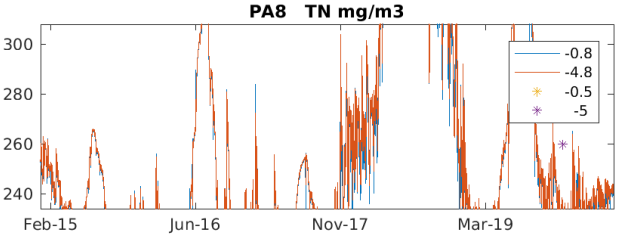

PA8 NP-DOC mg/m3
d2:0.19, mape:125.4, rms:425.60, bias:422.66, r:1.00, omean:350.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300

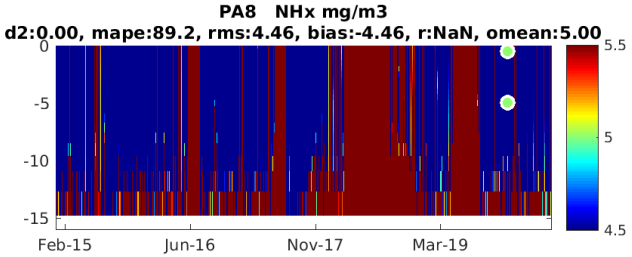

PA8 NP-DOC mg/m3
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

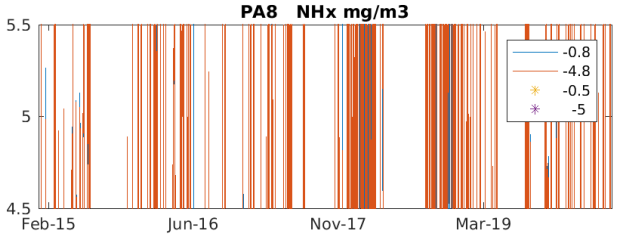

PA8 Salinity psu
d2:0.35, mape:0.1, rms:0.03, bias:0.03, r:0.89, omean:34.69
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32

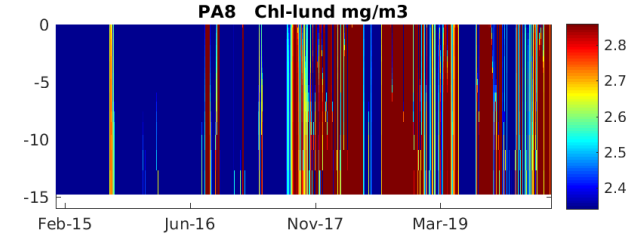

PA8 Salinity psu
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-1.3
-0.8
-1

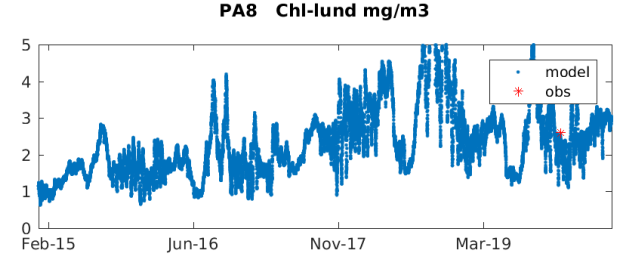

PA8 TN mg/m3
d2:0.30, mape:15.8, rms:44.27, bias:-43.09, r:-1.00, omean:270.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
300
280
260
240

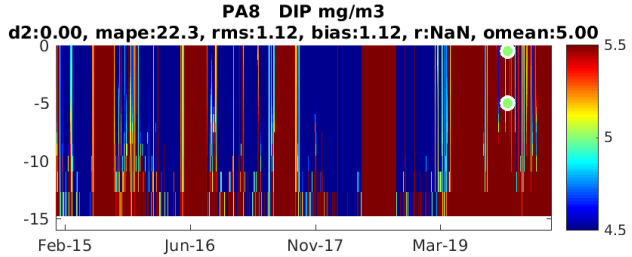

PA8 TN mg/m3
300
280
260
240
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

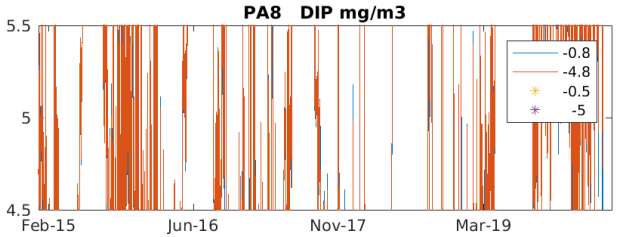

PA8 NHx mg/m3
d2:0.00, mape:89.2, rms:4.46, bias:-4.46, r:NaN, omean:5.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
5.5
5
4.5

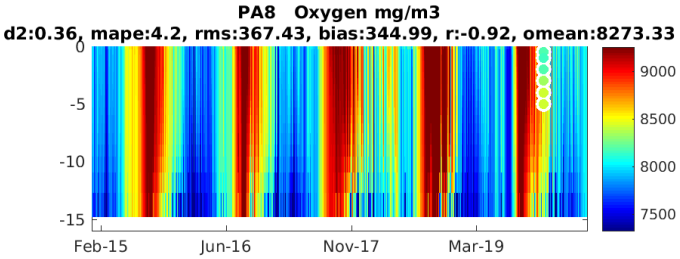

PA8 NHx mg/m3
5.5
5
4.5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

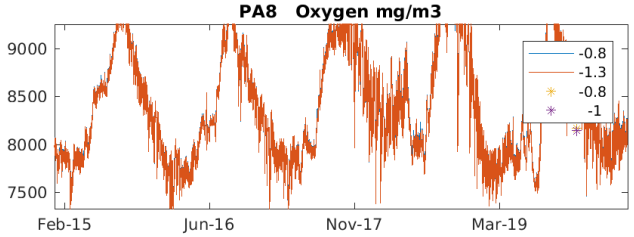

PA8 Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
2.8
2.7
2.6
2.5
2.4

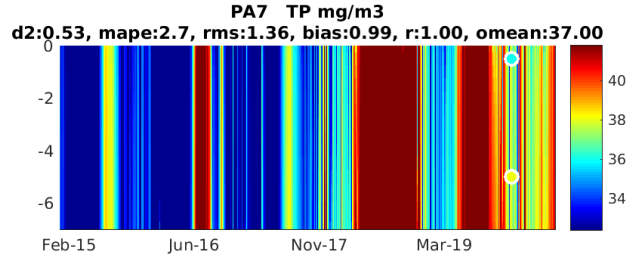

PA8 Chl-lund mg/m3
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

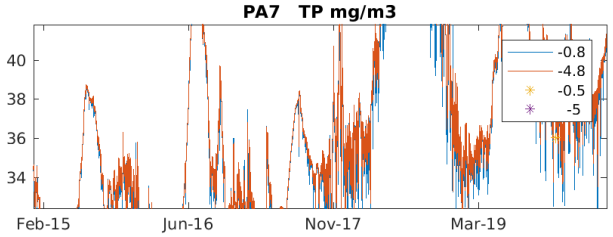

PA8 DIP mg/m3
d2:0.00, mape:22.3, rms:1.12, bias:1.12, r:NaN, omean:5.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
5.5
5
4.5

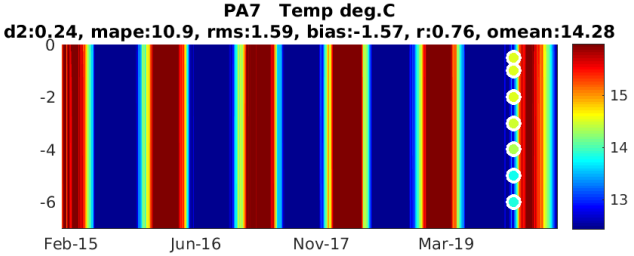

PA8 DIP mg/m3
5.5
5
4.5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

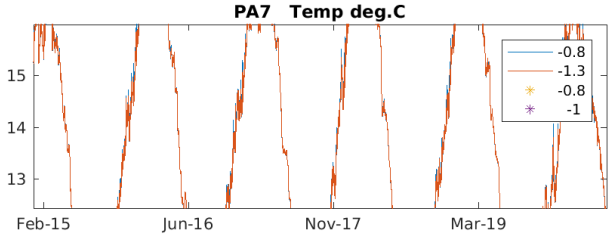

PA8 Oxygen mg/m3
d2:0.36, mape:4.2, rms:367.43, bias:344.99, r:-0.92, omean:8273.33
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
9000
8500
8000
7500

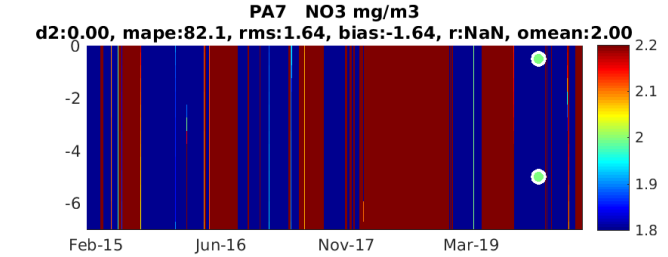

PA8 Oxygen mg/m3
9000
8500
8000
7500
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-1.3
-0.8
-1

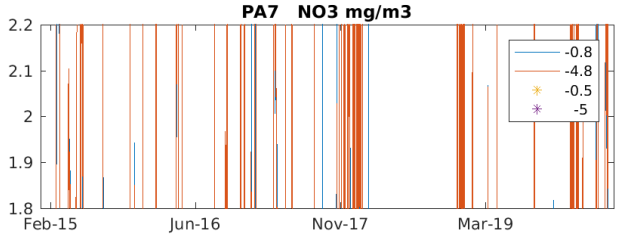

PA7 TP mg/m3
d2:0.53, mape:2.7, rms:1.36, bias:0.99, r:1.00, omean:37.00
0
-2
-4
-6
40
38
36
34
Feb-15
Jun-16
Nov-17
Mar-19

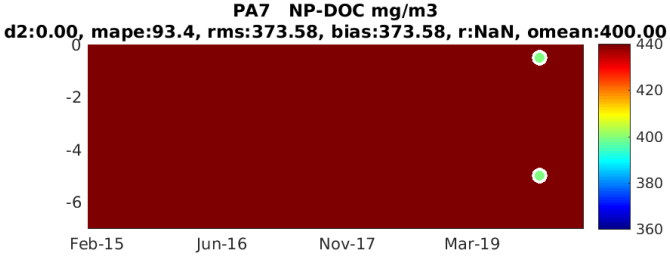

PA7 TP mg/m3
40
38
36
34
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

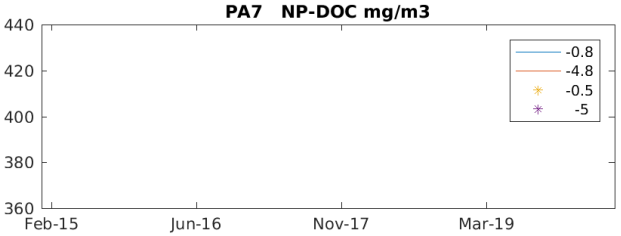

PA7 Temp deg.C
d2:0.24, mape:10.9, rms:1.59, bias:-1.57, r:0.76, omean:14.28
0
-2
-4
-6
15
14
13
Feb-15
Jun-16
Nov-17
Mar-19

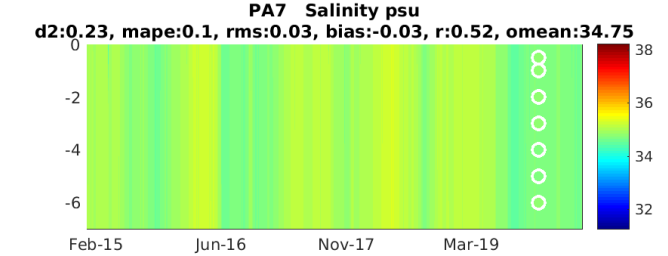

PA7 Temp deg.C
15
14
13
-0.8
-1.3
-0.8
-1
Feb-15
Jun-16
Nov-17
Mar-19

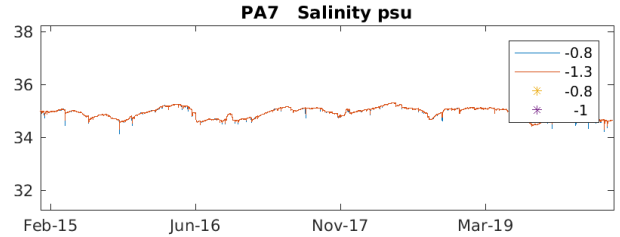

PA7 NO3 mg/m3
d2:0.00, mape:82.1, rms:1.64, bias:-1.64, r:NaN, omean:2.00
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
2.2
2.1
2
1.9
1.8

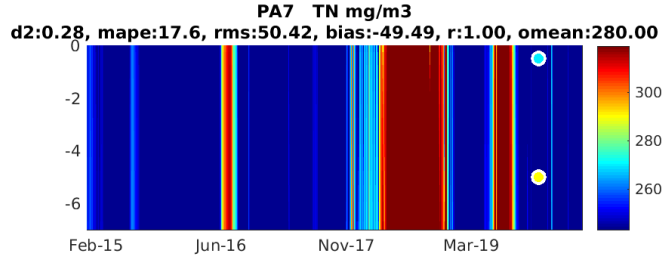

PA7 NO3 mg/m3
2.2
2.1
2
1.9
1.8
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

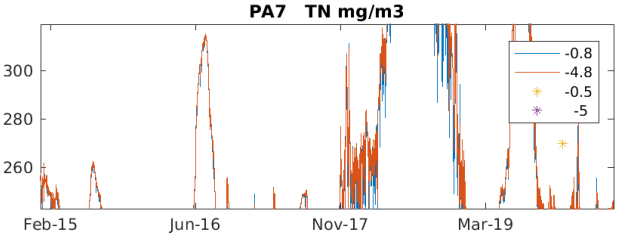

PA7 NP-DOC mg/m3
d2:0.00, mape:93.4, rms:373.58, bias:373.58, r:NaN, omean:400.00
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
440
420
400
380
360

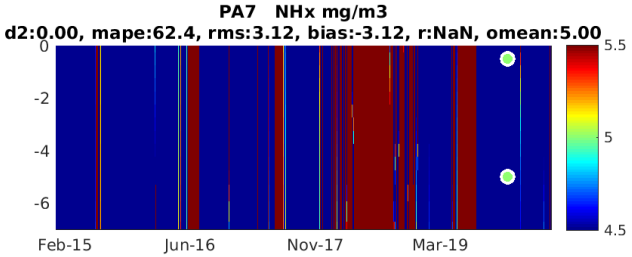

PA7 NP-DOC mg/m3
440
420
400
380
360
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

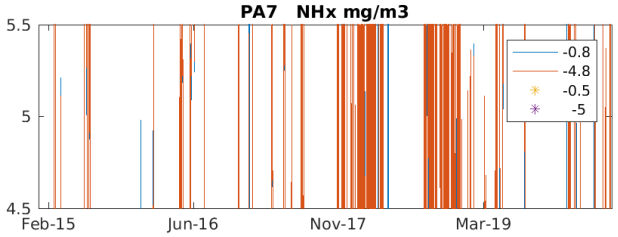

PA7 Salinity psu
d2:0.23, mape:0.1, rms:0.03, bias:-0.03, r:0.52, omean:34.75
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32

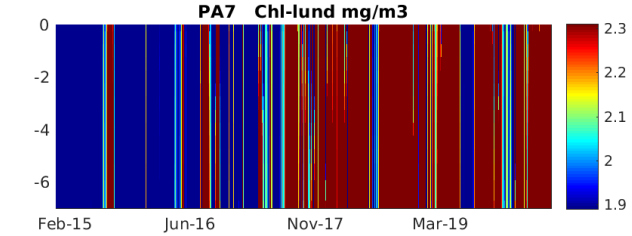

PA7 Salinity psu
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-1.3
-0.8
-1

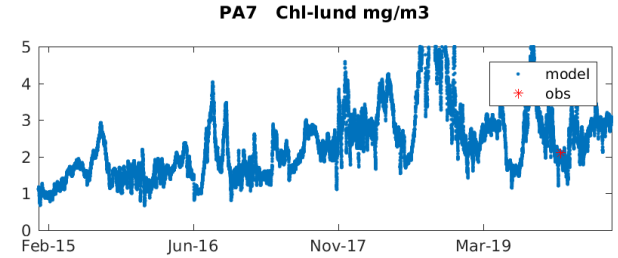

PA7 TN mg/m3
d2:0.28, mape:17.6, rms:50.42, bias:-49.49, r:1.00, omean:280.00
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
300
280
260

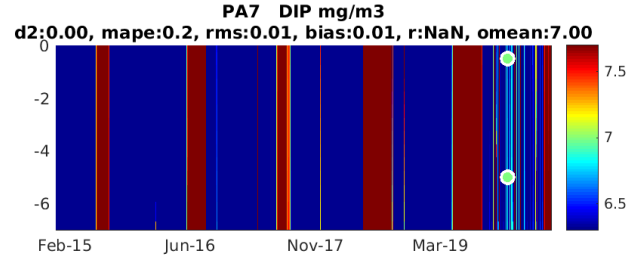

PA7 TN mg/m3
300
280
260
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

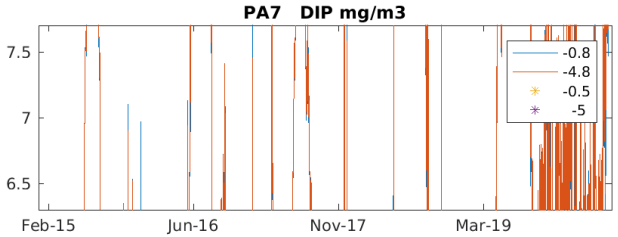

PA7 NHx mg/m3
d2:0.00, mape:62.4, rms:3.12, bias:-3.12, r:NaN, omean:5.00
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
5.5
5
4.5

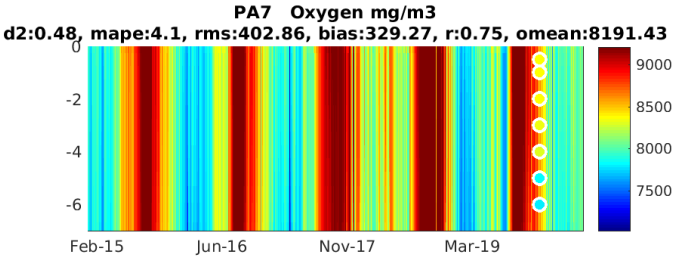

PA7 NHx mg/m3
5.5
5
4.5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

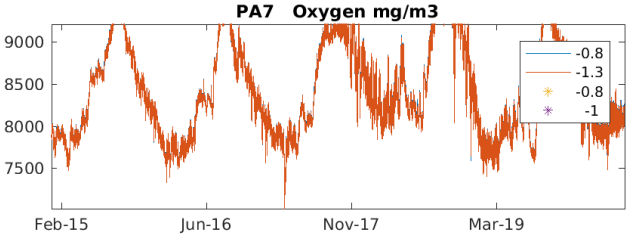

PA7 Chl-lund mg/m3
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
2.3
2.2
2.1
2
1.9

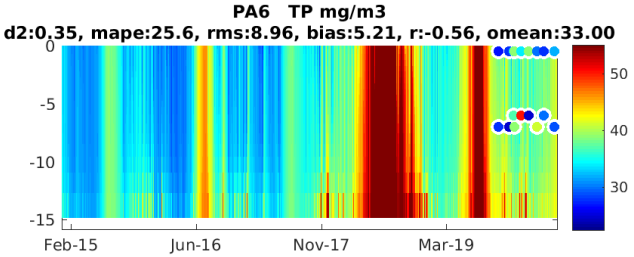

PA7 Chl-lund mg/m3
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

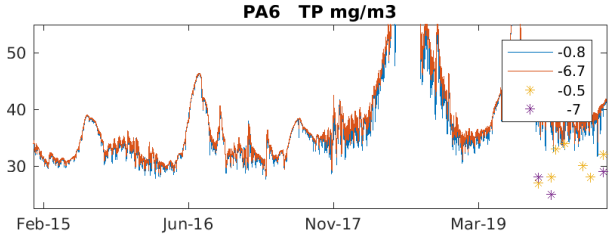

PA7 DIP mg/m3
d2:0.00, mape:0.2, rms:0.01, bias:0.01, r:NaN, omean:7.00
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
7.5
7
6.5

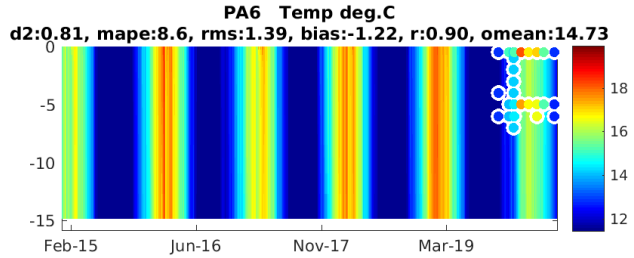

PA7 DIP mg/m3
7.5
7
6.5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

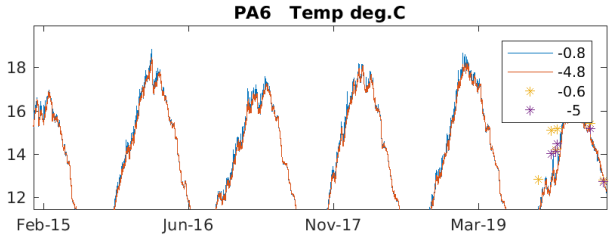

PA7 Oxygen mg/m3
d2:0.48, mape:4.1, rms:402.86, bias:329.27, r:0.75, omean:8191.43
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
9000
8500
8000
7500

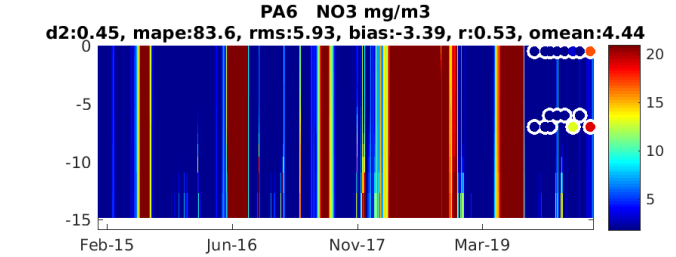

PA7 Oxygen mg/m3
9000
8500
8000
7500
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-1.3
-0.8
-1

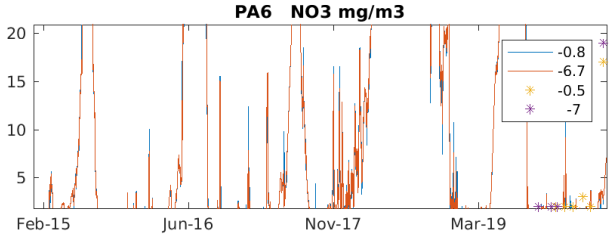

PA6 TP mg/m3
d2:0.35, mape:25.6, rms:8.96, bias:5.21, r:-0.56, omean:33.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30

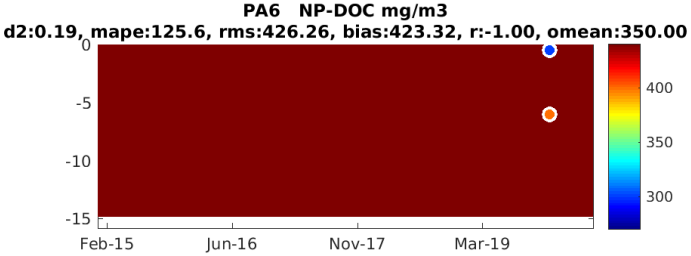

PA6 TP mg/m3
50
40
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-6.7
-0.5
-7

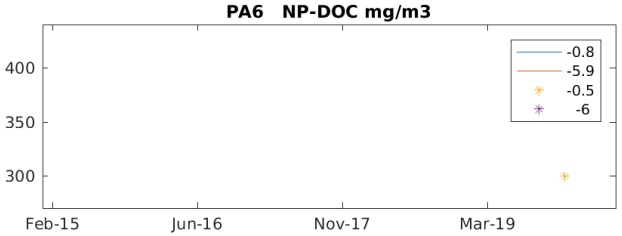

PA6 Temp deg.C
d2:0.81, mape:8.6, rms:1.39, bias:-1.22, r:0.90, omean:14.73
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
18
16
14
12

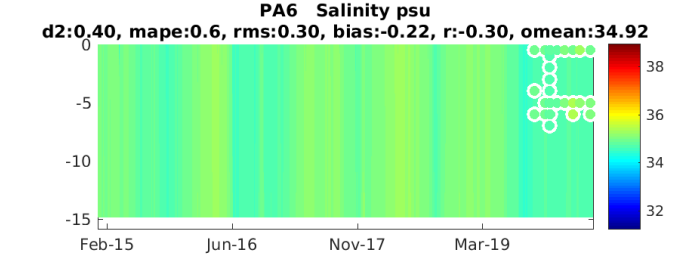

PA6 Temp deg.C
18
16
14
12
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.6
-5

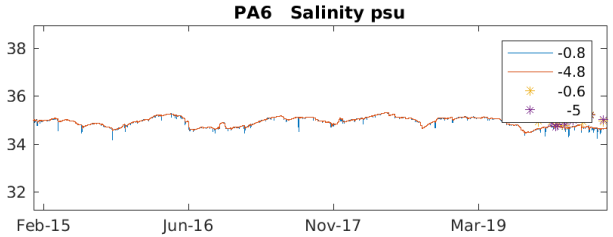

PA6 NO3 mg/m3
d2:0.45, mape:83.6, rms:5.93, bias:-3.39, r:0.53, omean:4.44
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5

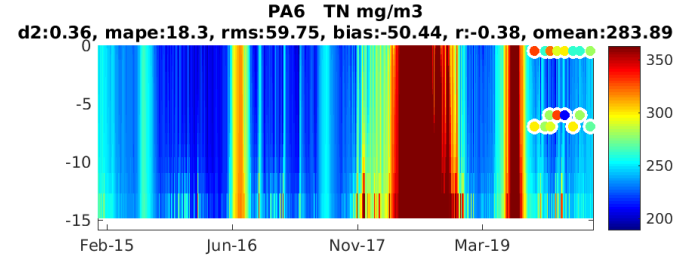

PA6 NO3 mg/m3
20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-6.7
-0.5
-7

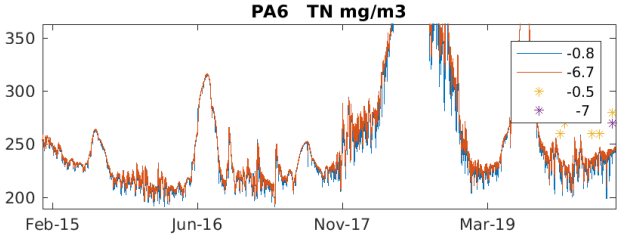

PA6 NP-DOC mg/m3
d2:0.19, mape:125.6, rms:426.26, bias:423.32, r:-1.00, omean:350.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300

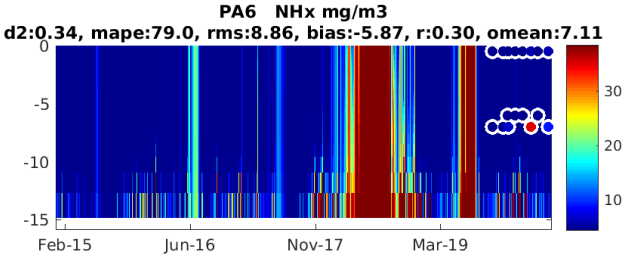

PA6 NP-DOC mg/m3
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.5
-6

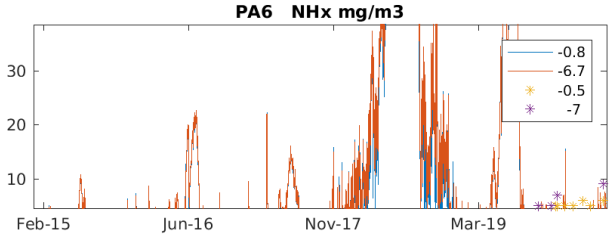

PA6 Salinity psu
d2:0.40, mape:0.6, rms:0.30, bias:-0.22, r:-0.30, omean:34.92
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32

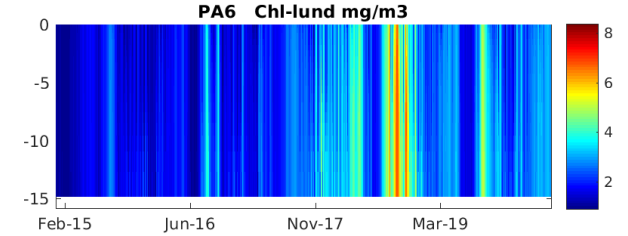

PA6 Salinity psu
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.6
-5

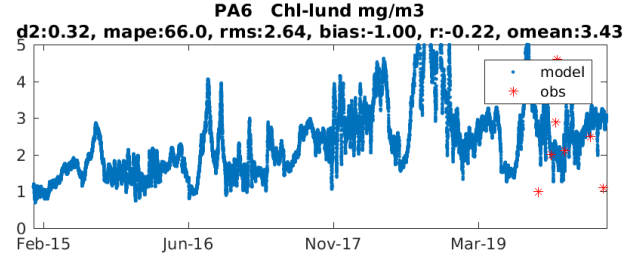

PA6 TN mg/m3
d2:0.36, mape:18.3, rms:59.75, bias:-50.44, r:-0.38, omean:283.89
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
350
300
250
200

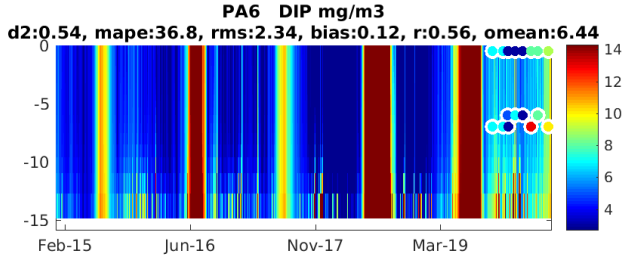

PA6 TN mg/m3
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-6.7
-0.5
-7

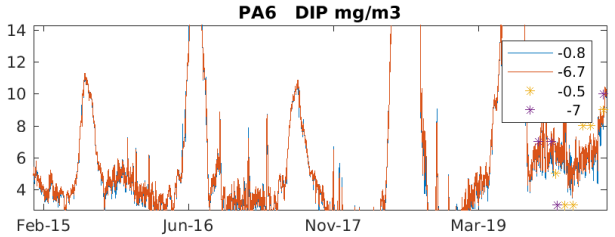

PA6 NHx mg/m3
d2:0.34, mape:79.0, rms:8.86, bias:-5.87, r:0.30, omean:7.11
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10

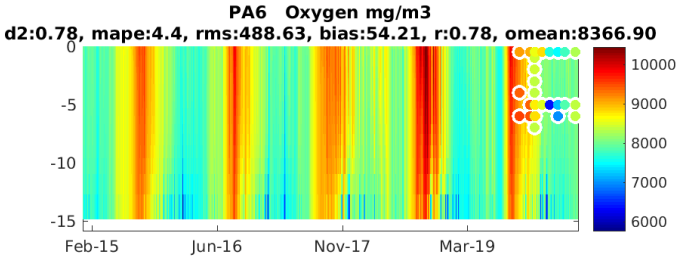

PA6 NHx mg/m3
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-6.7
-0.5
-7

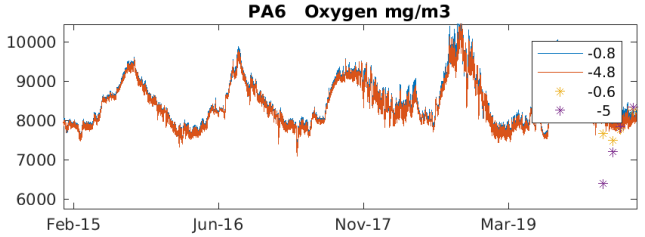

PA6 Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
8
6
4
2

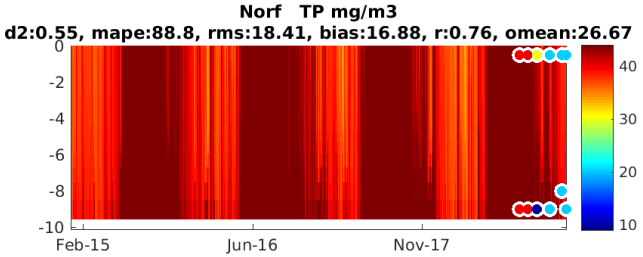

PA6 Chl-lund mg/m3
d2:0.32, mape:66.0, rms:2.64, bias:-1.00, r:-0.22, omean:3.43
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

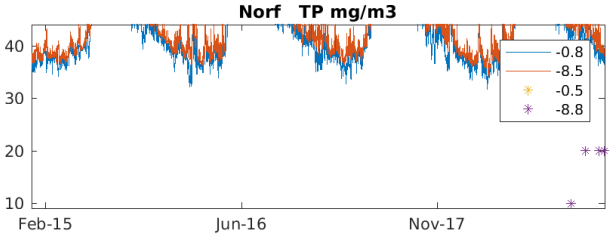

PA6 DIP mg/m3
d2:0.54, mape:36.8, rms:2.34, bias:0.12, r:0.56, omean:6.44
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
14
12
10
8
6
4

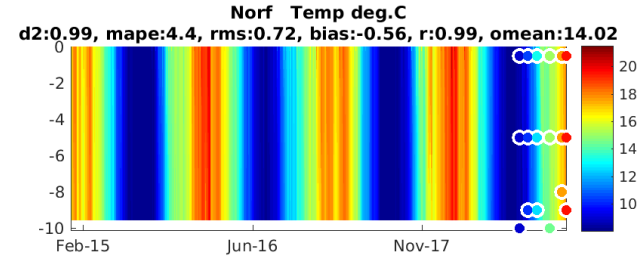

PA6 DIP mg/m3
14
12
10
8
6
4
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-6.7
-0.5
-7

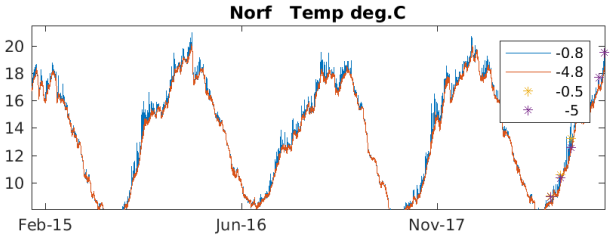

PA6 Oxygen mg/m3
d2:0.78, mape:4.4, rms:488.63, bias:54.21, r:0.78, omean:8366.90
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

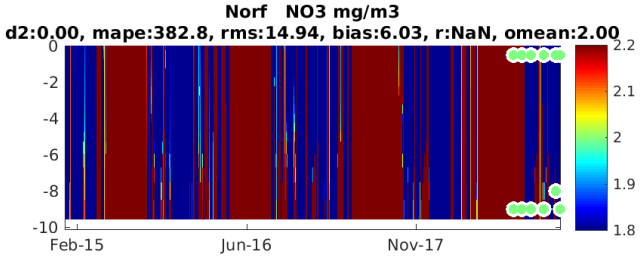

PA6 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.6
-5

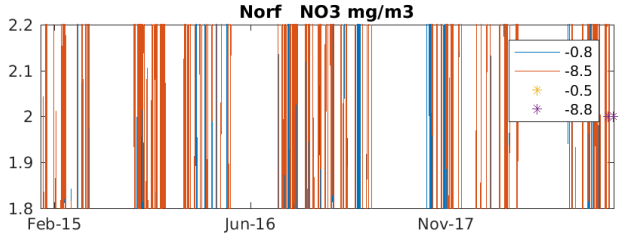

Norf TP mg/m3
d2:0.55, mape:88.8, rms:18.41, bias:16.88, r:0.76, omean:26.67
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
40
30
20
10

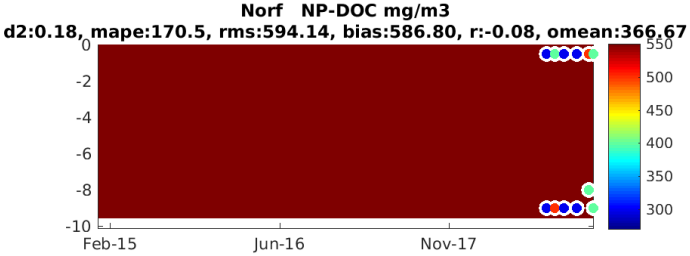

Norf TP mg/m3
40
30
20
10
Feb-15
Jun-16
Nov-17
-0.8
-8.5
-0.5
-8.8

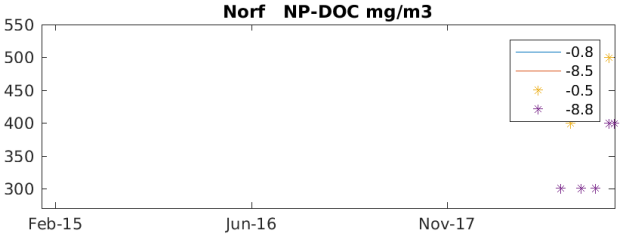

Norf Temp deg.C
d2:0.99, mape:4.4, rms:0.72, bias:-0.56, r:0.99, omean:14.02
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
20
18
16
14
12
10

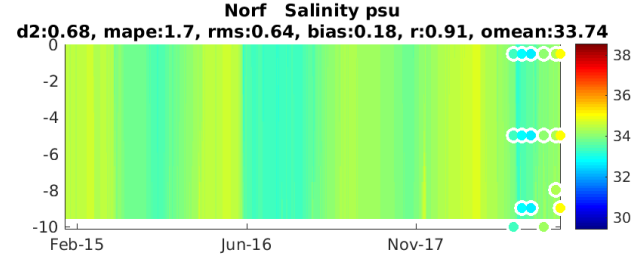

Norf Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-0.5
-5

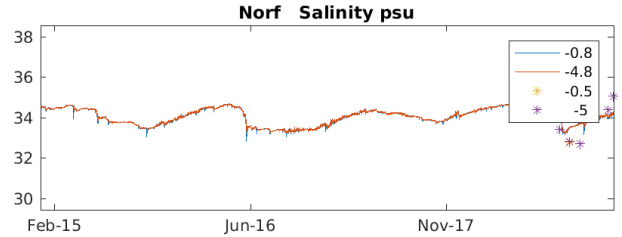

Norf NO3 mg/m3
d2:0.00, mape:382.8, rms:14.94, bias:6.03, r:NaN, omean:2.00
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
2.2
2.1
2
1.9
1.8

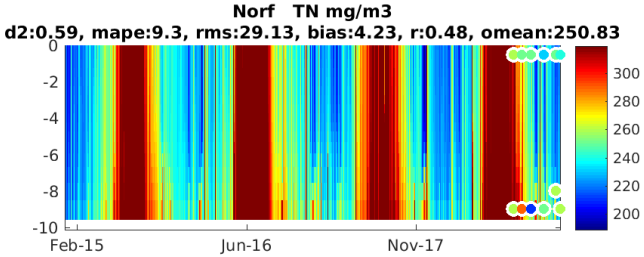

Norf NO3 mg/m3
2.2
2.1
2
1.9
1.8
Feb-15
Jun-16
Nov-17
-0.8
-8.5
-0.5
-8.8

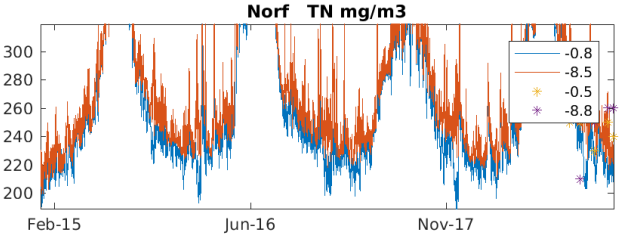

Norf NP-DOC mg/m3
d2:0.18, mape:170.5, rms:594.14, bias:586.80, r:-0.08, omean:366.67
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
550
500
450
400
350
300

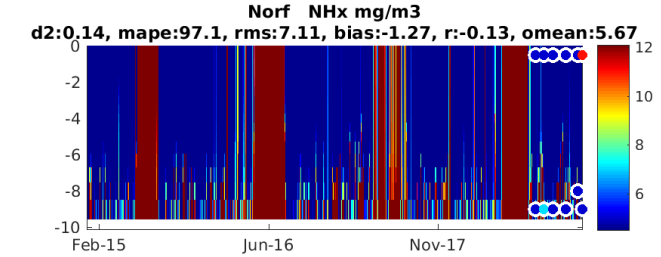

Norf NP-DOC mg/m3
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
-0.8
-8.5
-0.5
-8.8

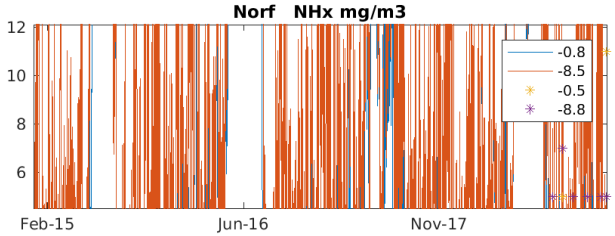

Norf Salinity psu
d2:0.68, mape:1.7, rms:0.64, bias:0.18, r:0.91, omean:33.74
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
38
36
34
32
30

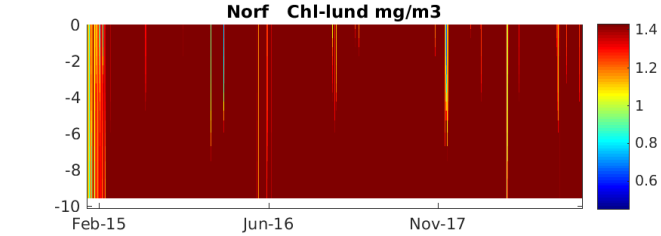

Norf Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-0.5
-5

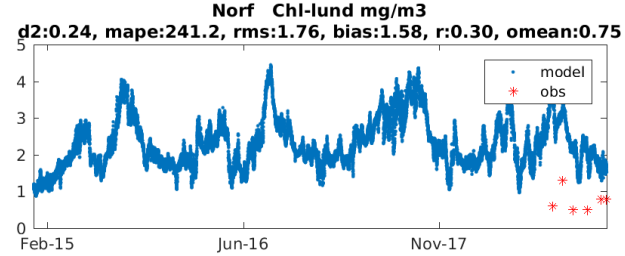

Norf TN mg/m3
d2:0.59, mape:9.3, rms:29.13, bias:4.23, r:0.48, omean:250.83
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
300
280
260
240
220
200

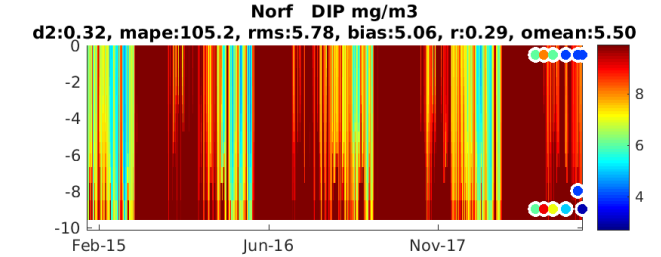

Norf TN mg/m3
300
280
260
240
220
200
Feb-15
Jun-16
Nov-17
-0.8
-8.5
-0.5
-8.8

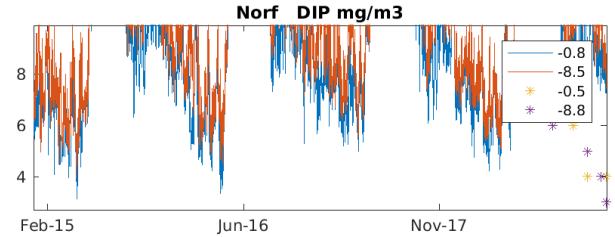

Norf NHx mg/m3
d2:0.14, mape:97.1, rms:7.11, bias:-1.27, r:-0.13, omean:5.67
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
12
10
8
6

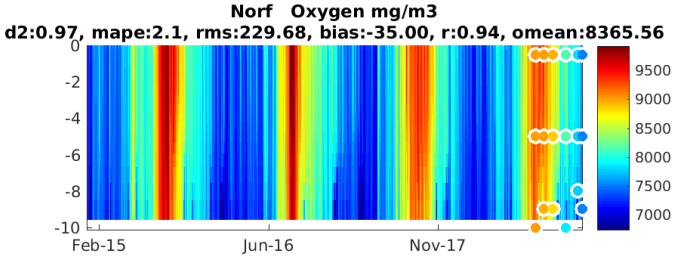

Norf NHx mg/m3
12
10
8
6
Feb-15
Jun-16
Nov-17
-0.8
-8.5
-0.5
-8.8

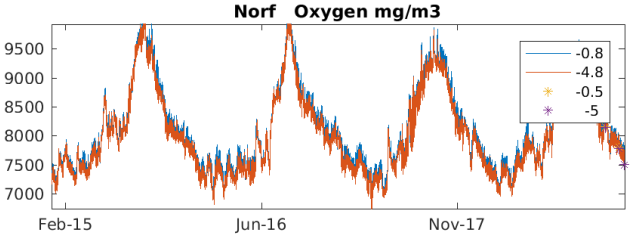

Norf Chl-lund mg/m3
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
1.4
1.2
1
0.8
0.6

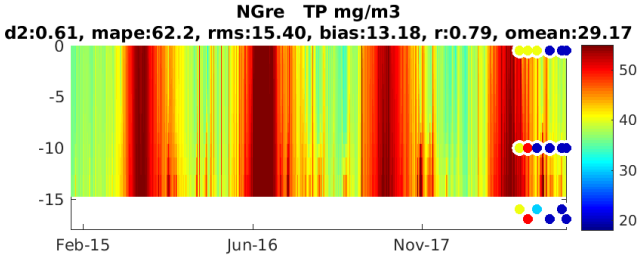

Norf Chl-lund mg/m3
d2:0.24, mape:241.2, rms:1.76, bias:1.58, r:0.30, omean:0.75
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
model
obs

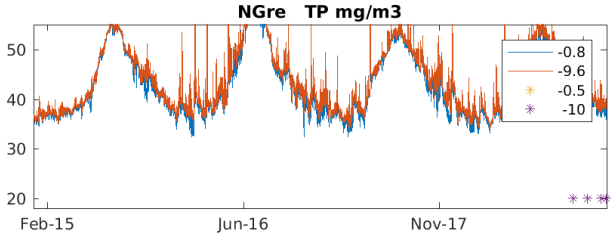

Norf DIP mg/m3
d2:0.32, mape:105.2, rms:5.78, bias:5.06, r:0.29, omean:5.50
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
8
6
4

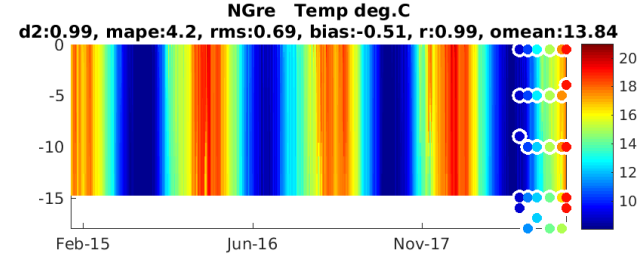

Norf DIP mg/m3
8
6
4
Feb-15
Jun-16
Nov-17
-0.8
-8.5
-0.5
-8.8

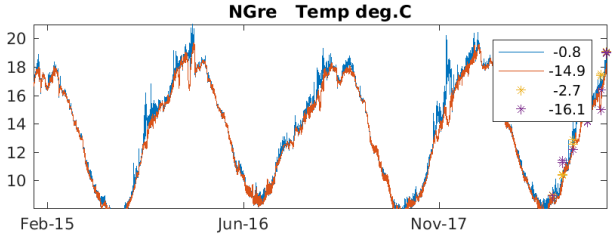

Norf Oxygen mg/m3
d2:0.97, mape:2.1, rms:229.68, bias:-35.00, r:0.94, omean:8365.56
0
-2
-4
-6
-8
-10
Feb-15
Jun-16
Nov-17
9500
9000
8500
8000
7500
7000

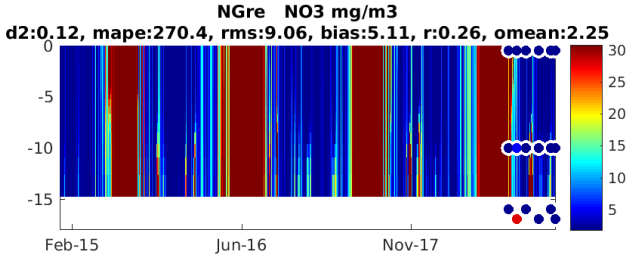

Norf Oxygen mg/m3
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-0.5
-5

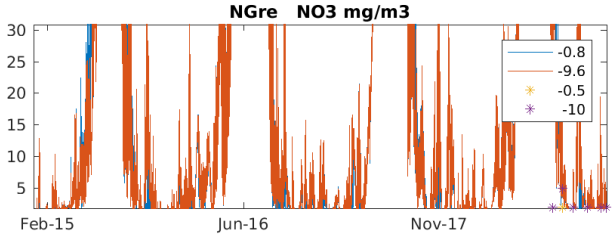

NGre TP mg/m3
d2:0.61, mape:62.2, rms:15.40, bias:13.18, r:0.79, omean:29.17
0
-5
-10
-15
50
40
30
20
Feb-15
Jun-16
Nov-17

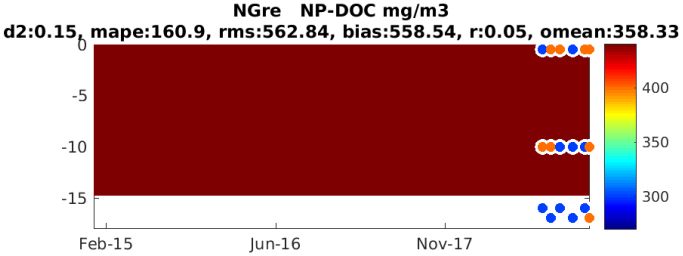

NGre TP mg/m3
50
40
30
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

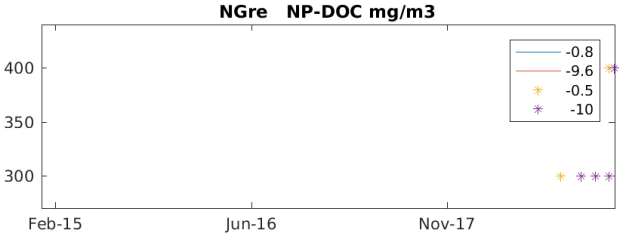

NGre Temp deg.C
d2:0.99, mape:4.2, rms:0.69, bias:-0.51, r:0.99, omean:13.84
0
-5
-10
-15
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17

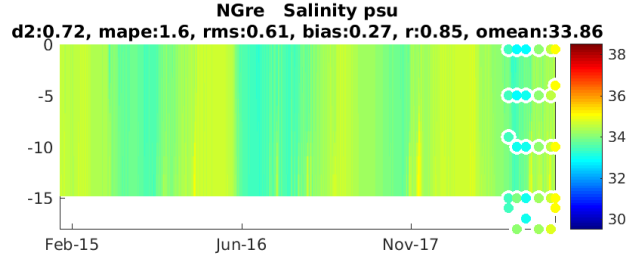

NGre Temp deg.C
20
18
16
14
12
10
-0.8
-14.9
-2.7
-16.1
Feb-15
Jun-16
Nov-17

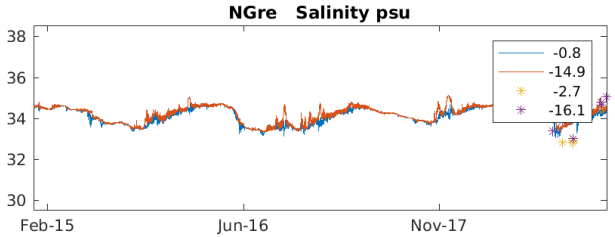

NGre NO3 mg/m3
d2:0.12, mape:270.4, rms:9.06, bias:5.11, r:0.26, omean:2.25
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
30
25
20
15
10
5

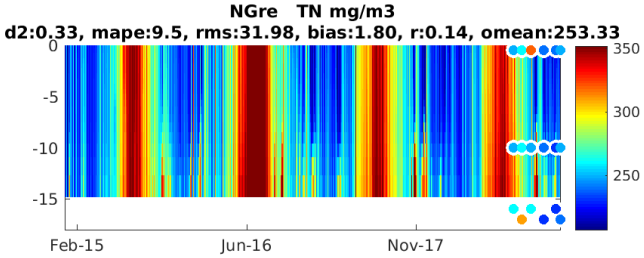

NGre NO3 mg/m3
30
25
20
15
10
5
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

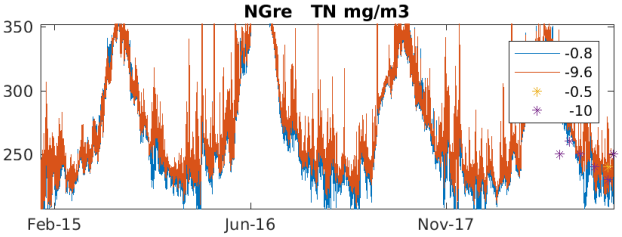

NGre NP-DOC mg/m3
d2:0.15, mape:160.9, rms:562.84, bias:558.54, r:0.05, omean:358.33
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
400
350
300

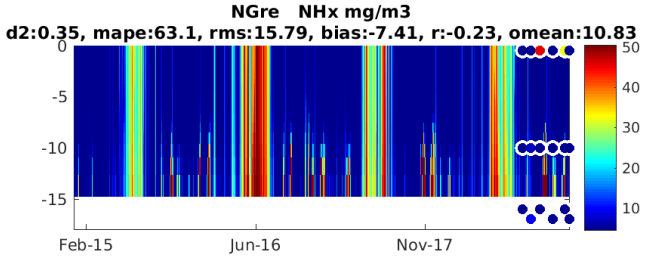

NGre NP-DOC mg/m3
400
350
300
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

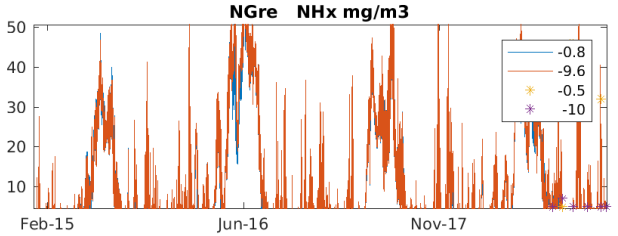

NGre Salinity psu
d2:0.72, mape:1.6, rms:0.61, bias:0.27, r:0.85, omean:33.86
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
38
36
34
32
30

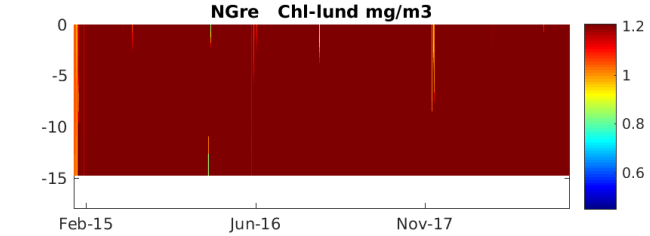

NGre Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-14.9
-2.7
-16.1

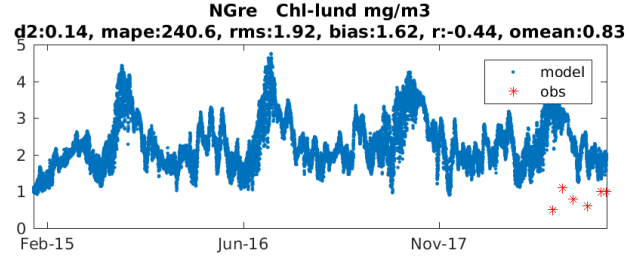

NGre TN mg/m3
d2:0.33, mape:9.5, rms:31.98, bias:1.80, r:0.14, omean:253.33
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
350
300
250

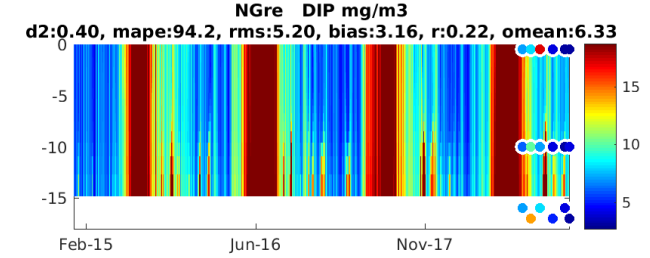

NGre TN mg/m3
350
300
250
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

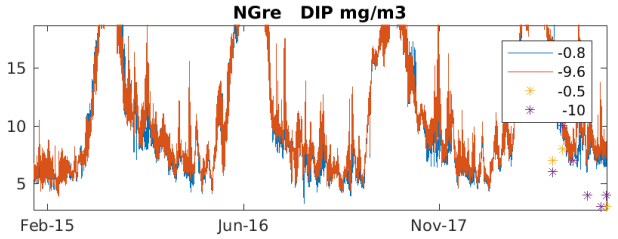

NGre NHx mg/m3
d2:0.35, mape:63.1, rms:15.79, bias:-7.41, r:-0.23, omean:10.83
0
-5
-10
-15
50
40
30
20
10
Feb-15
Jun-16
Nov-17

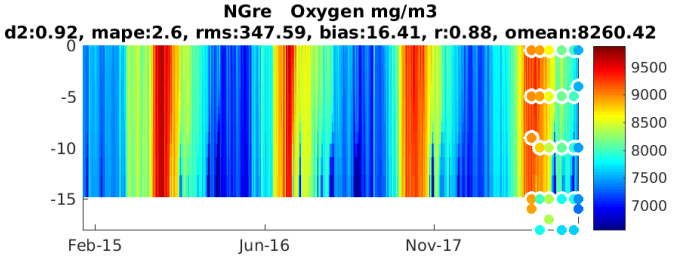

NGre NHx mg/m3
50
40
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

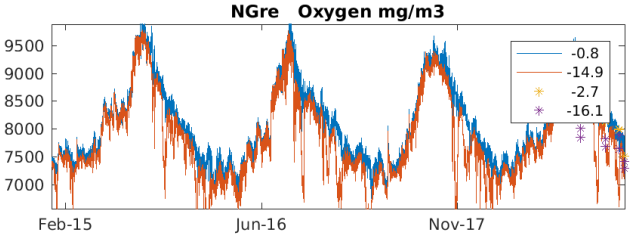

NGre Chl-lund mg/m3
0
-5
-10
-15
1.2
1
0.8
0.6
Feb-15
Jun-16
Nov-17

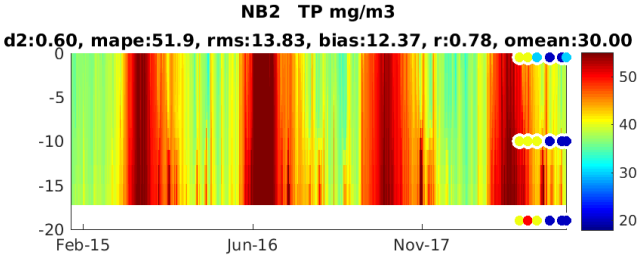

NGre Chl-lund mg/m3
d2:0.14, mape:240.6, rms:1.92, bias:1.62, r:-0.44, omean:0.83
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17

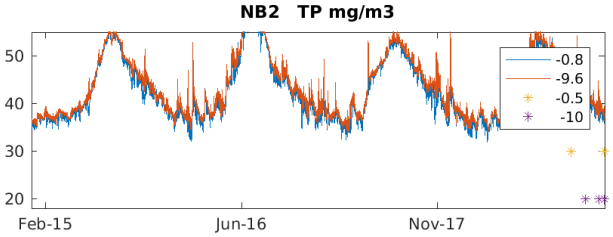

NGre DIP mg/m3
d2:0.40, mape:94.2, rms:5.20, bias:3.16, r:0.22, omean:6.33
0
-5
-10
-15
15
10
5
Feb-15
Jun-16
Nov-17

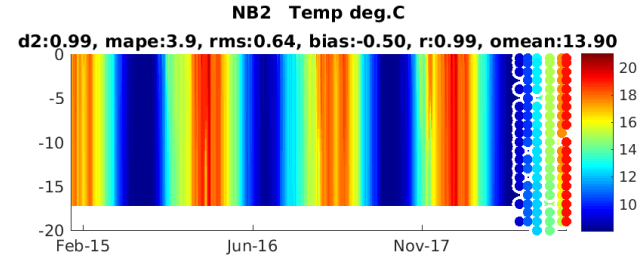

NGre DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

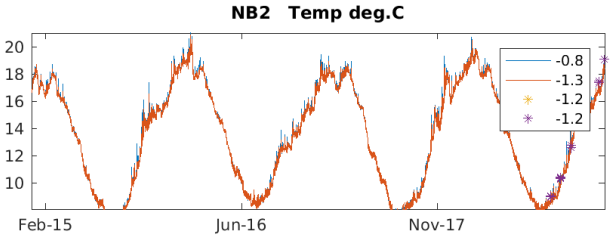

NGre Oxygen mg/m3
d2:0.92, mape:2.6, rms:347.59, bias:16.41, r:0.88, omean:8260.42
0
-5
-10
-15
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17

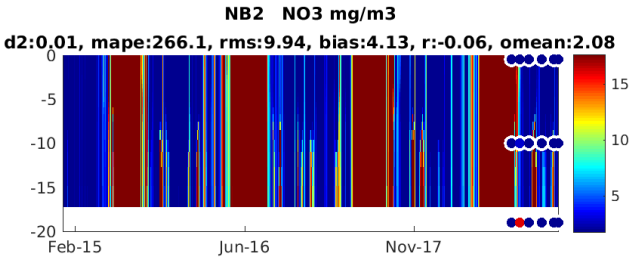

NGre Oxygen mg/m3
9500
9000
8500
8000
7500
7000
-0.8
-14.9
-2.7
-16.1
Feb-15
Jun-16
Nov-17

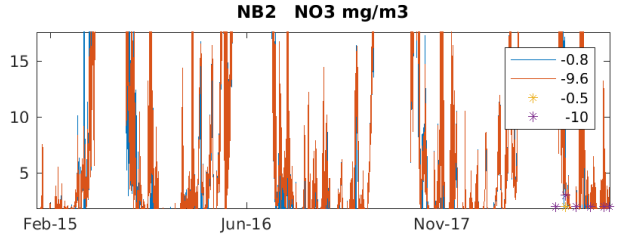

NB2 TP mg/m3
d2:0.60, mape:51.9, rms:13.83, bias:12.37, r:0.78, omean:30.00
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
50
40
30
20

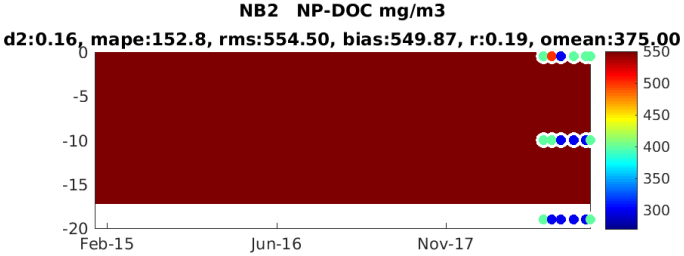

NB2 TP mg/m3
50
40
30
20
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

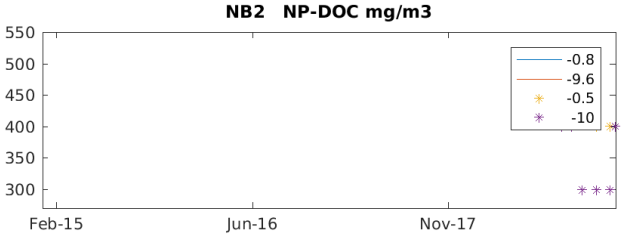

NB2 Temp deg.C
d2:0.99, mape:3.9, rms:0.64, bias:-0.50, r:0.99, omean:13.90
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
20
18
16
14
12
10

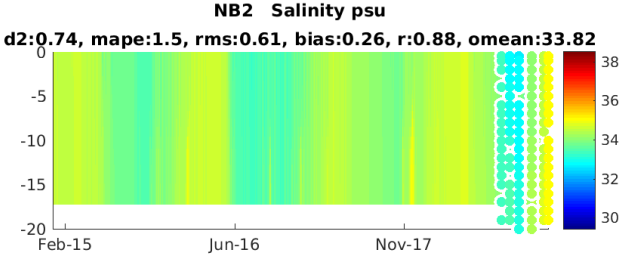

NB2 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
-0.8
-1.3
-1.2
-1.2

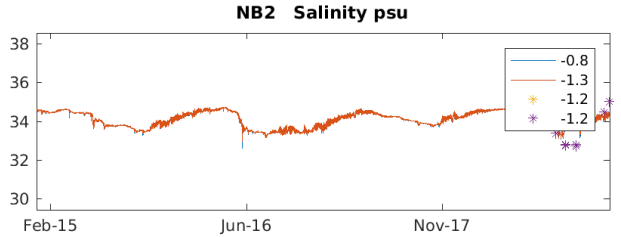

NB2 NO3 mg/m3
d2:0.01, mape:266.1, rms:9.94, bias:4.13, r:-0.06, omean:2.08
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
15
10
5

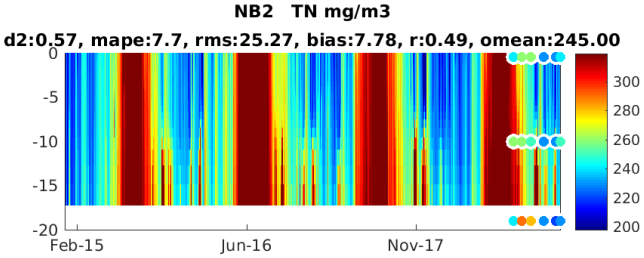

NB2 NO3 mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

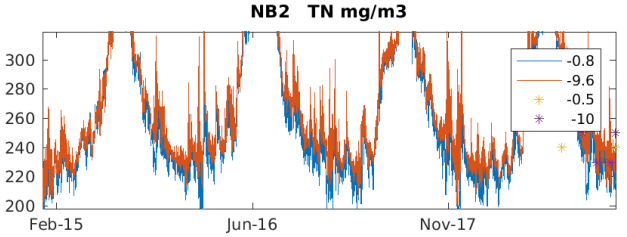

NB2 NP-DOC mg/m3
d2:0.16, mape:152.8, rms:554.50, bias:549.87, r:0.19, omean:375.00
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
550
500
450
400
350
300

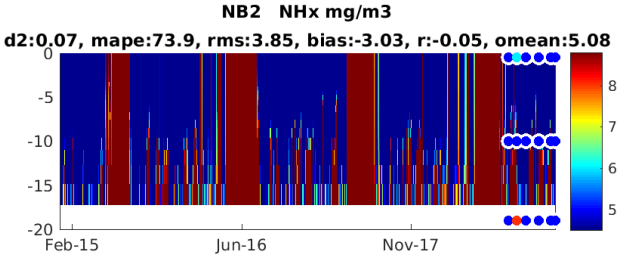

NB2 NP-DOC mg/m3
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

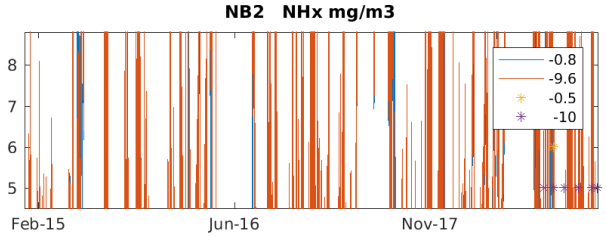

NB2 Salinity psu
d2:0.74, mape:1.5, rms:0.61, bias:0.26, r:0.88, omean:33.82
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
38
36
34
32
30

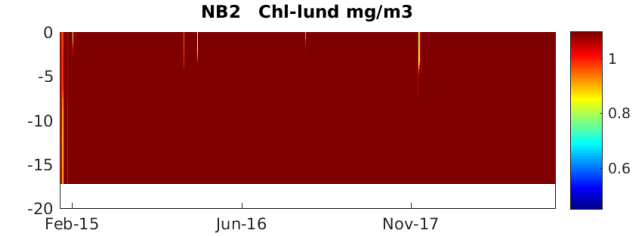

NB2 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-1.3
-1.2
-1.2

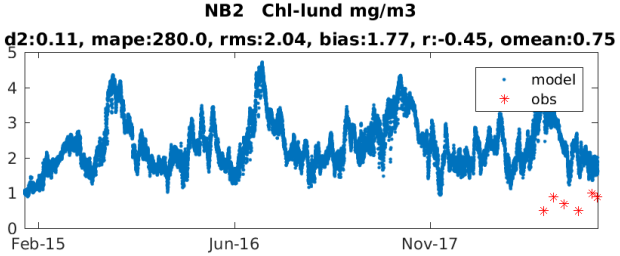

NB2 TN mg/m3
d2:0.57, mape:7.7, rms:25.27, bias:7.78, r:0.49, omean:245.00
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
300
280
260
240
220
200

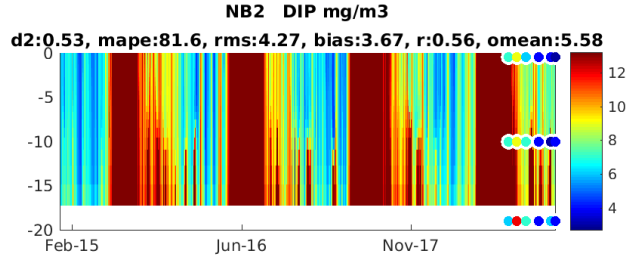

NB2 TN mg/m3
300
280
260
240
220
200
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

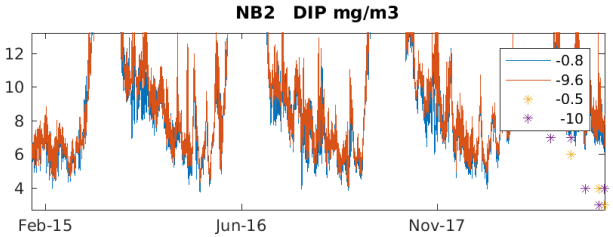

NB2 NHx mg/m3
d2:0.07, mape:73.9, rms:3.85, bias:-3.03, r:-0.05, omean:5.08
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
8
7
6
5

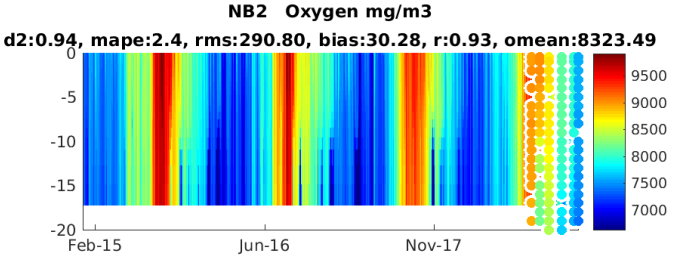

NB2 NHx mg/m3
8
7
6
5
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

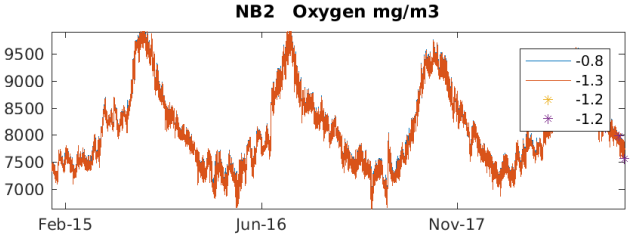

NB2 Chl-lund mg/m3
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
1
0.8
0.6

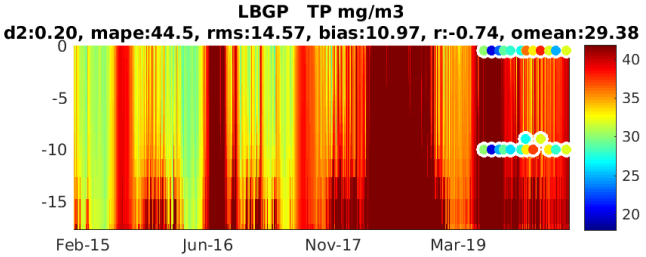

NB2 Chl-lund mg/m3
d2:0.11, mape:280.0, rms:2.04, bias:1.77, r:-0.45, omean:0.75
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
model
obs

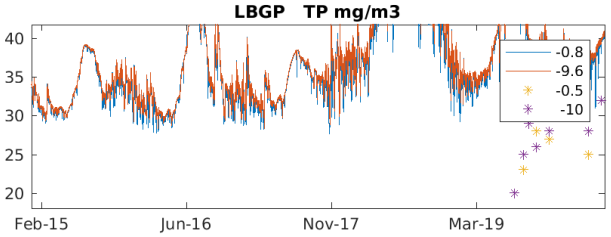

NB2 DIP mg/m3
d2:0.53, mape:81.6, rms:4.27, bias:3.67, r:0.56, omean:5.58
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
12
10
8
6
4

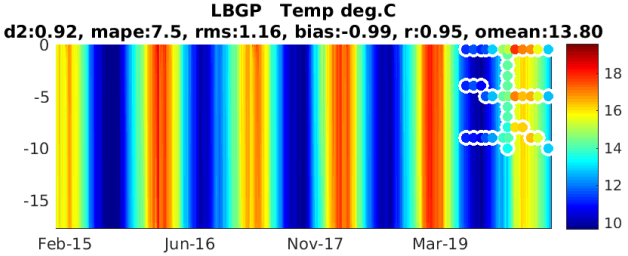

NB2 DIP mg/m3
12
10
8
6
4
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

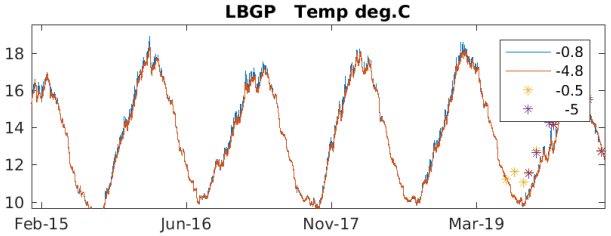

NB2 Oxygen mg/m3
d2:0.94, mape:2.4, rms:290.80, bias:30.28, r:0.93, omean:8323.49
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
9500
9000
8500
8000
7500
7000

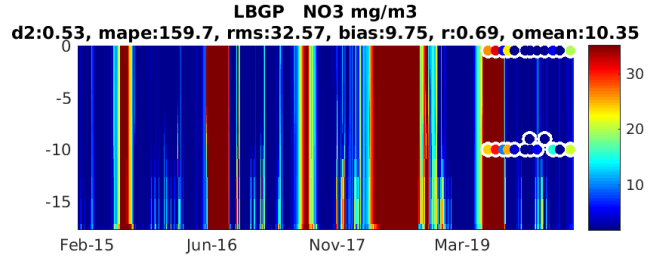

NB2 Oxygen mg/m3
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17
-0.8
-1.3
-1.2
-1.2

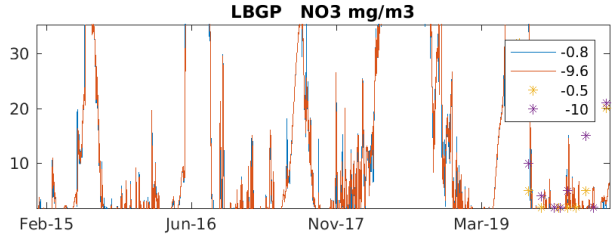

LBGP TP mg/m3
d2:0.20, mape:44.5, rms:14.57, bias:10.97, r:-0.74, omean:29.38
0
-5
-10
-15
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19

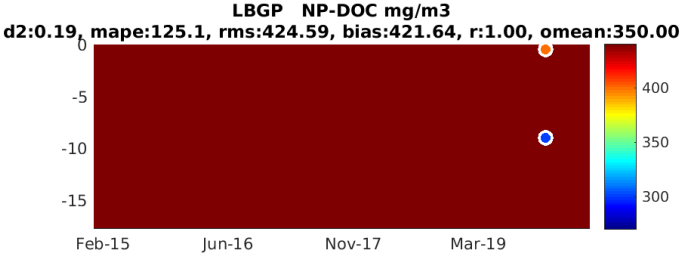

LBGP TP mg/m3
40
35
30
25
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

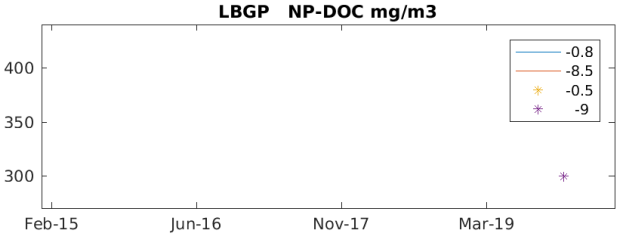

LBGP Temp deg.C
d2:0.92, mape:7.5, rms:1.16, bias:-0.99, r:0.95, omean:13.80
0
-5
-10
-15
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19

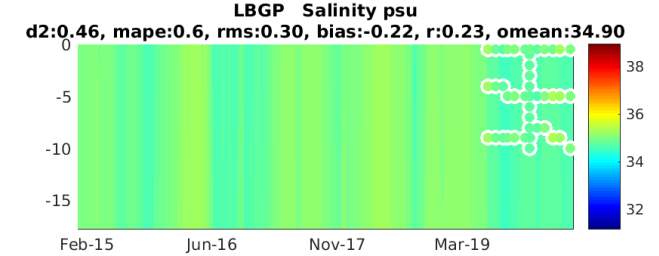

LBGP Temp deg.C
18
16
14
12
10
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

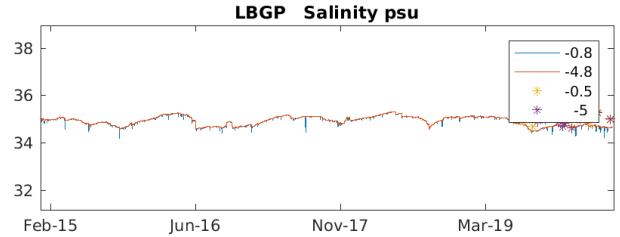

LBGP NO3 mg/m3
d2:0.53, mape:159.7, rms:32.57, bias:9.75, r:0.69, omean:10.35
0
-5
-10
-15
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

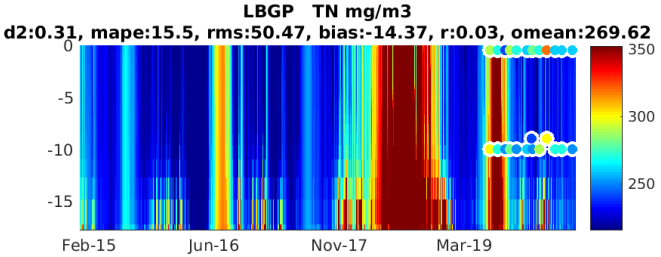

LBGP NO3 mg/m3
30
20
10
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

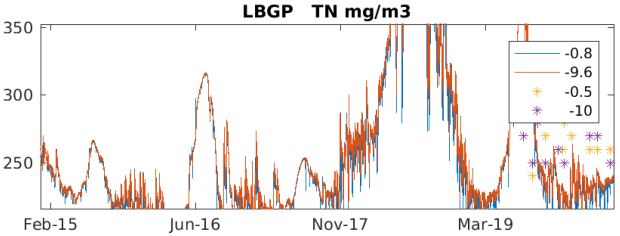

LBGP NP-DOC mg/m3
d2:0.19, mape:125.1, rms:424.59, bias:421.64, r:1.00, omean:350.00
0
-5
-10
-15
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19

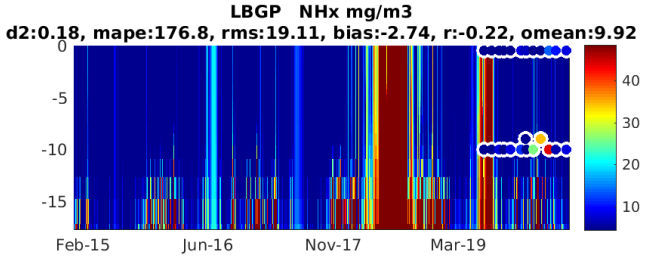

LBGP NP-DOC mg/m3
400
350
300
-0.8
-8.5
-0.5
-9
Feb-15
Jun-16
Nov-17
Mar-19

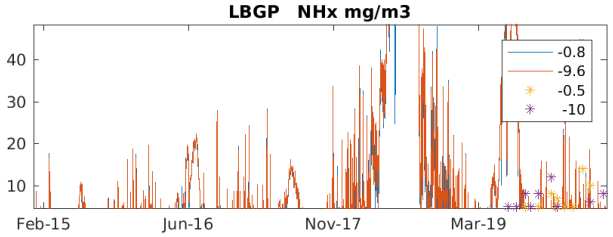

LBGP Salinity psu
d2:0.46, mape:0.6, rms:0.30, bias:-0.22, r:0.23, omean:34.90
0
-5
-10
-15
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19

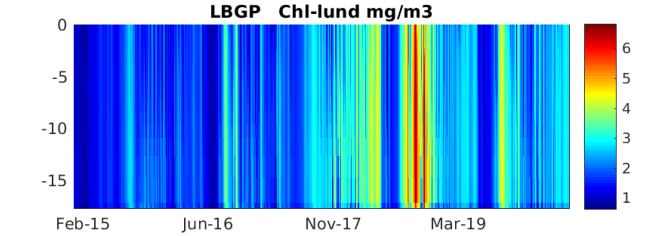

LBGP Salinity psu
38
36
34
32
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

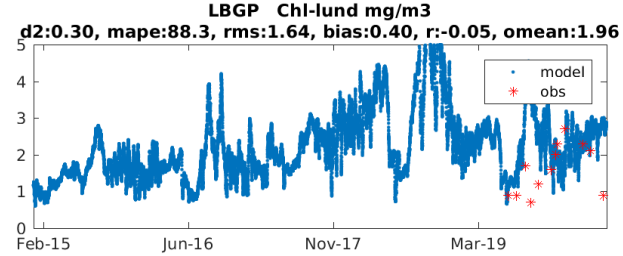

LBGP TN mg/m3
d2:0.31, mape:15.5, rms:50.47, bias:-14.37, r:0.03, omean:269.62
0
-5
-10
-15
350
300
250
Feb-15
Jun-16
Nov-17
Mar-19

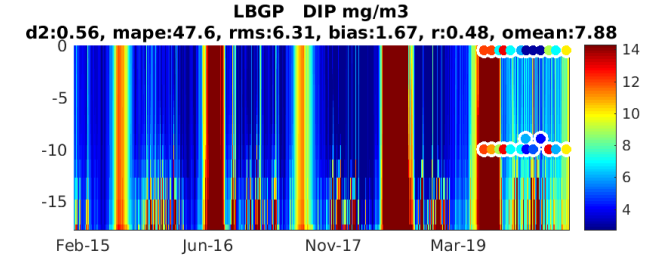

LBGP TN mg/m3
350
300
250
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

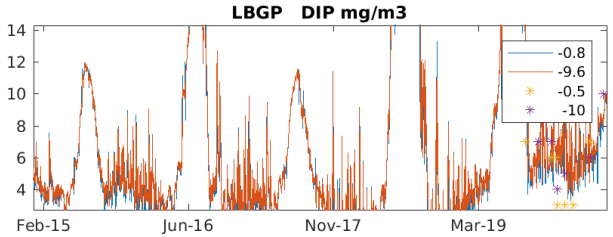

LBGP NHx mg/m3
d2:0.18, mape:176.8, rms:19.11, bias:-2.74, r:-0.22, omean:9.92
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
40
30
20
10

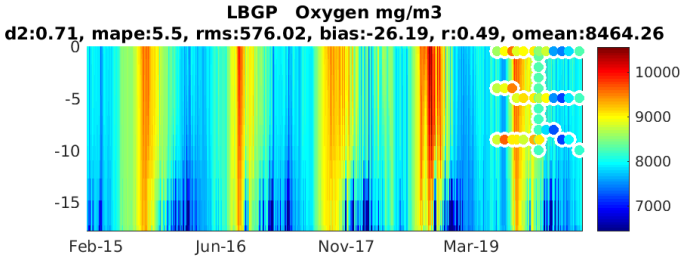

LBGP NHx mg/m3
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

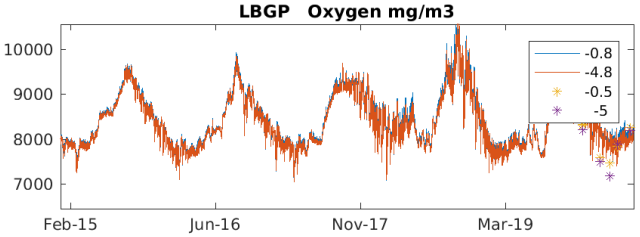

LBGP Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
6
5
4
3
2
1

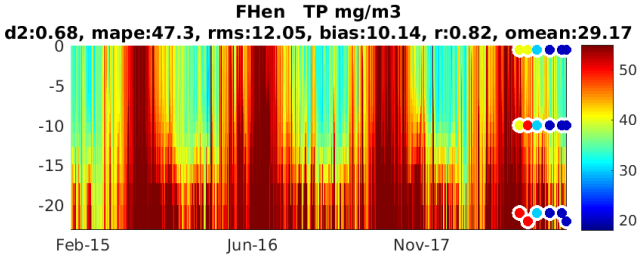

LBGP Chl-lund mg/m3
d2:0.30, mape:88.3, rms:1.64, bias:0.40, r:-0.05, omean:1.96
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

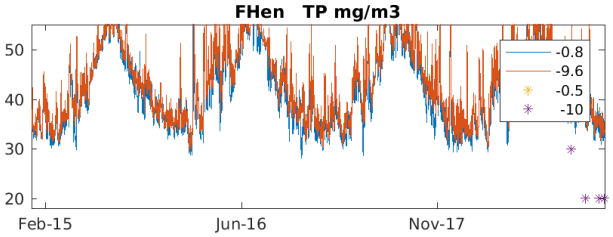

LBGP DIP mg/m3
d2:0.56, mape:47.6, rms:6.31, bias:1.67, r:0.48, omean:7.88
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
14
12
10
8
6
4

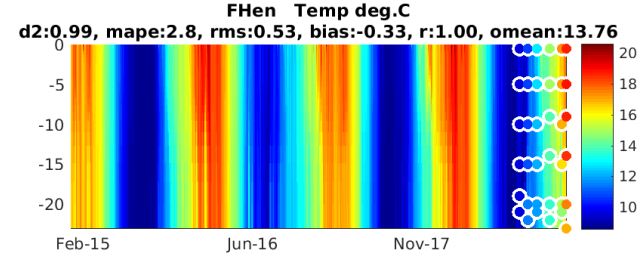

LBGP DIP mg/m3
14
12
10
8
6
4
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

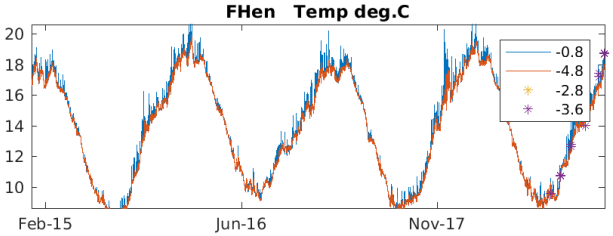

LBGP Oxygen mg/m3
d2:0.71, mape:5.5, rms:576.02, bias:-26.19, r:0.49, omean:8464.26
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

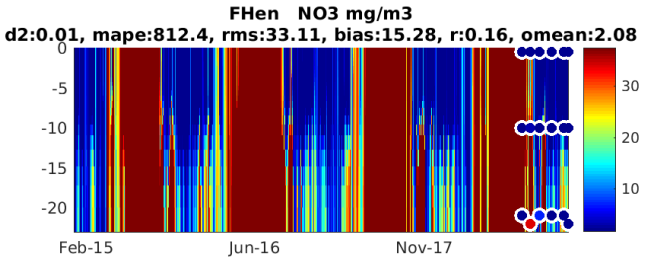

LBGP Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

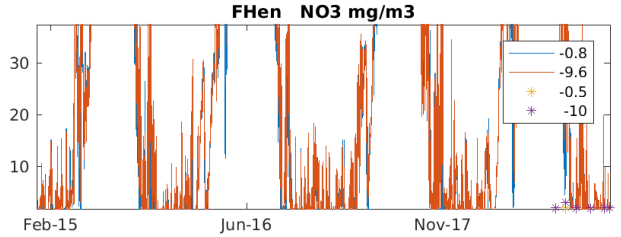

FHen TP mg/m3
d2:0.68, mape:47.3, rms:12.05, bias:10.14, r:0.82, omean:29.17
0
-5
-10
-15
-20
50
40
30
20
Feb-15
Jun-16
Nov-17

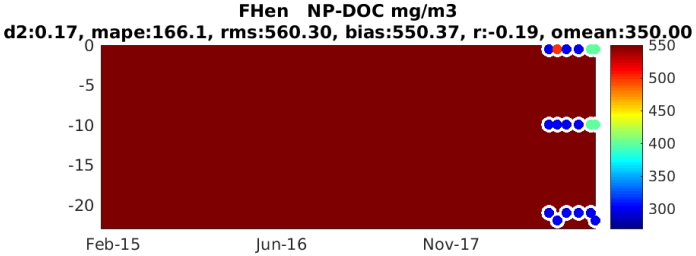

FHen TP mg/m3
50
40
30
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

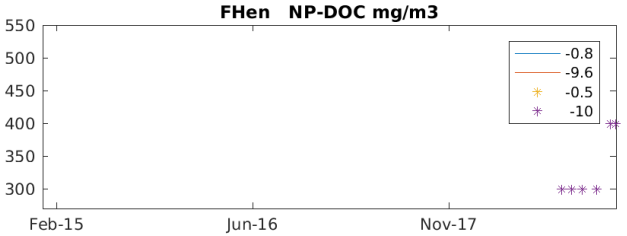

FHen Temp deg.C
d2:0.99, mape:2.8, rms:0.53, bias:-0.33, r:1.00, omean:13.76
0
-5
-10
-15
-20
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17

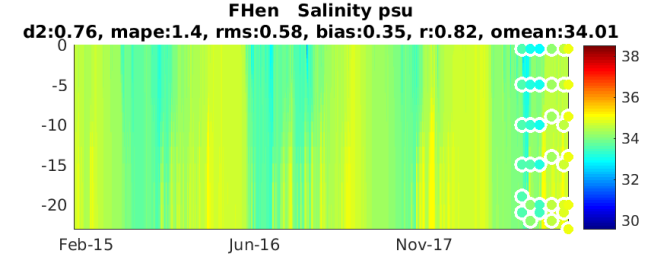

FHen Temp deg.C
20
18
16
14
12
10
-0.8
-4.8
-2.8
-3.6
Feb-15
Jun-16
Nov-17

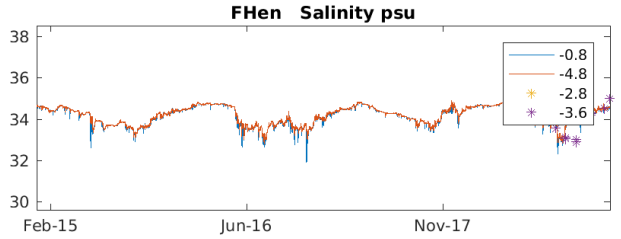

FHen NO3 mg/m3
d2:0.01, mape:812.4, rms:33.11, bias:15.28, r:0.16, omean:2.08
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
30
20
10

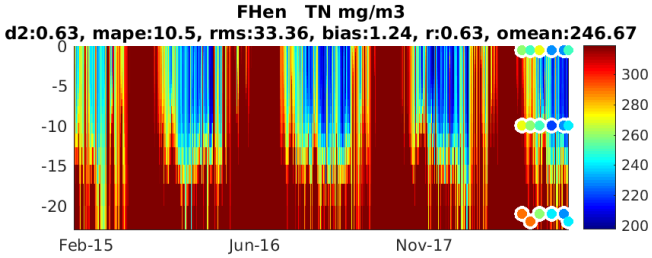

FHen NO3 mg/m3
30
20
10
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

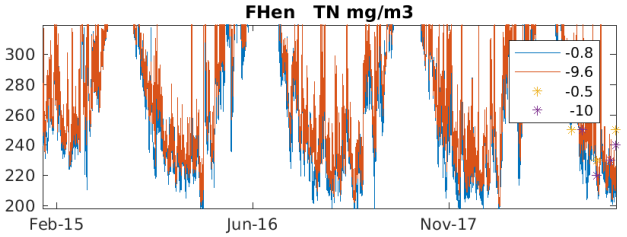

FHen NP-DOC mg/m3
d2:0.17, mape:166.1, rms:560.30, bias:550.37, r:-0.19, omean:350.00
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
550
500
450
400
350
300

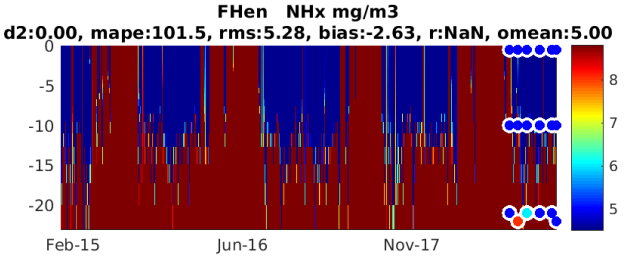

FHen NP-DOC mg/m3
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

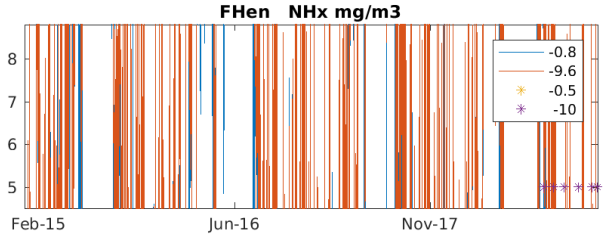

FHen Salinity psu
d2:0.76, mape:1.4, rms:0.58, bias:0.35, r:0.82, omean:34.01
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
38
36
34
32
30

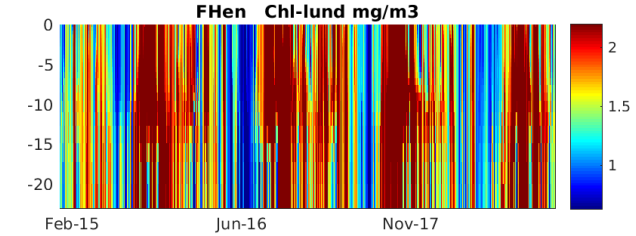

FHen Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-2.8
-3.6

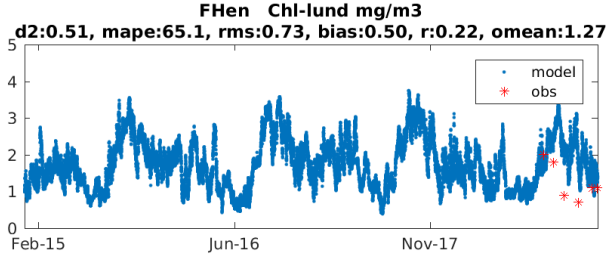

FHen TN mg/m3
d2:0.63, mape:10.5, rms:33.36, bias:1.24, r:0.63, omean:246.67
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
300
280
260
240
220
200

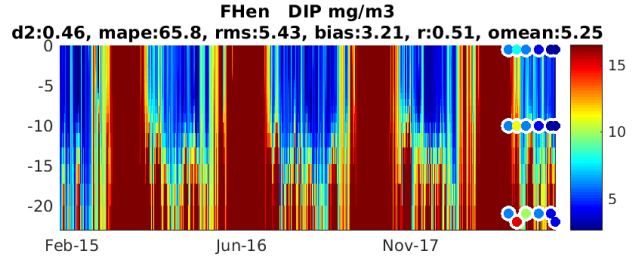

FHen TN mg/m3
300
280
260
240
220
200
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

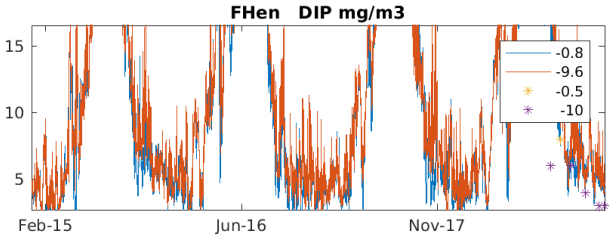

FHen NHx mg/m3
d2:0.00, mape:101.5, rms:5.28, bias:-2.63, r:NaN, omean:5.00
0
-5
-10
-15
-20
8
7
6
5
Feb-15
Jun-16
Nov-17

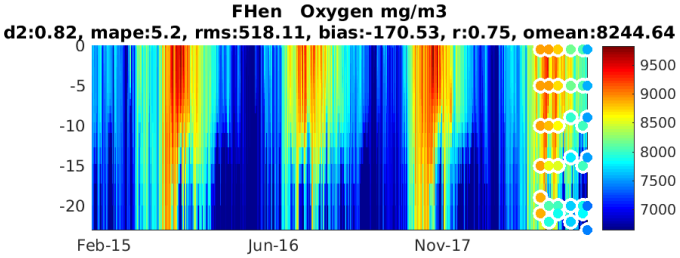

FHen NHx mg/m3
8
7
6
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

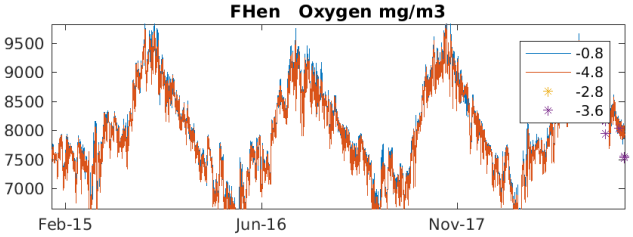

FHen Chl-lund mg/m3
0
-5
-10
-15
-20
2
1.5
1
Feb-15
Jun-16
Nov-17

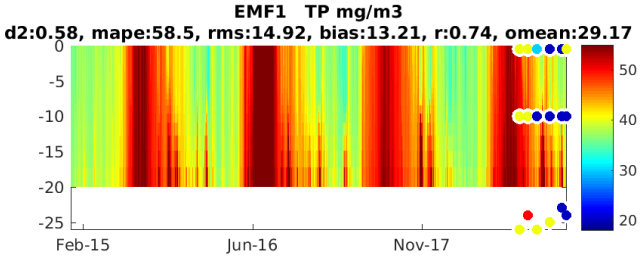

FHen Chl-lund mg/m3
d2:0.51, mape:65.1, rms:0.73, bias:0.50, r:0.22, omean:1.27
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17

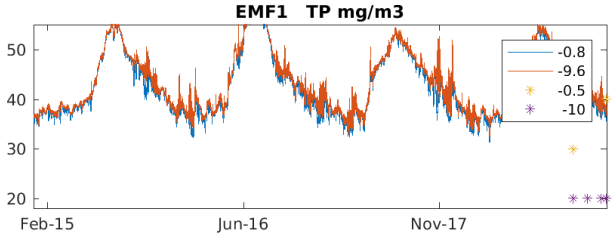

FHen DIP mg/m3
d2:0.46, mape:65.8, rms:5.43, bias:3.21, r:0.51, omean:5.25
0
-5
-10
-15
-20
15
10
5
Feb-15
Jun-16
Nov-17

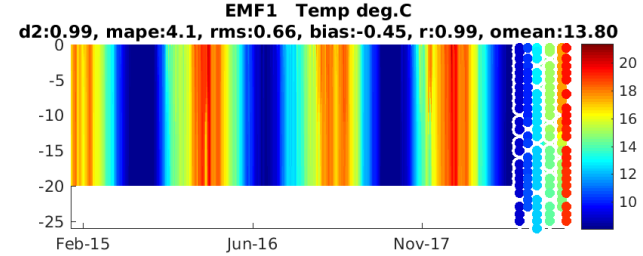

FHen DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17

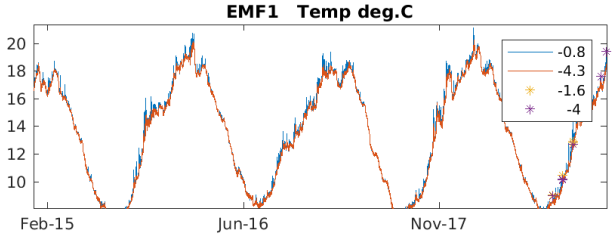

FHen Oxygen mg/m3
d2:0.82, mape:5.2, rms:518.11, bias:-170.53, r:0.75, omean:8244.64
0
-5
-10
-15
-20
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17

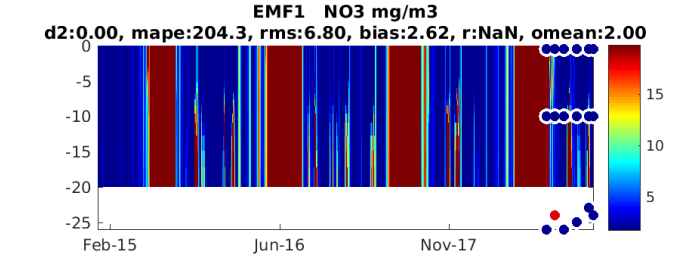

FHen Oxygen mg/m3
9500
9000
8500
8000
7500
7000
-0.8
-4.8
-2.8
-3.6
Feb-15
Jun-16
Nov-17

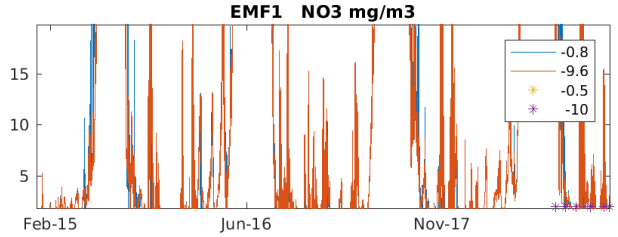

EMF1 TP mg/m3
d2:0.58, mape:58.5, rms:14.92, bias:13.21, r:0.74, omean:29.17
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
50
40
30
20

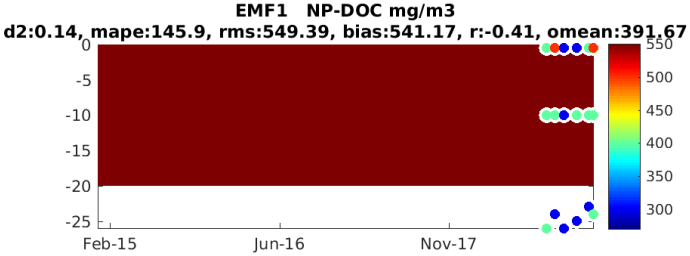

EMF1 TP mg/m3
50
40
30
20
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

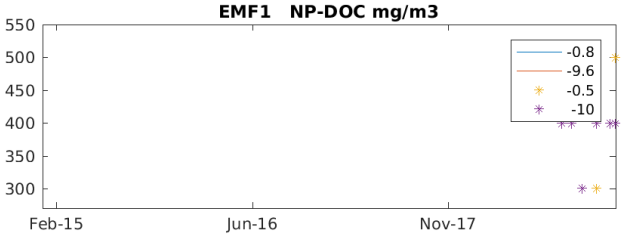

EMF1 Temp deg.C
d2:0.99, mape:4.1, rms:0.66, bias:-0.45, r:0.99, omean:13.80
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
20
18
16
14
12
10

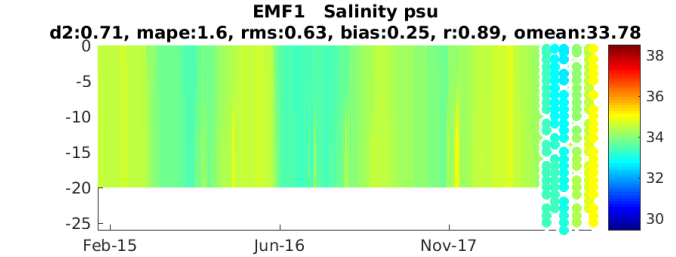

EMF1 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
-0.8
-4.3
-1.6
-4

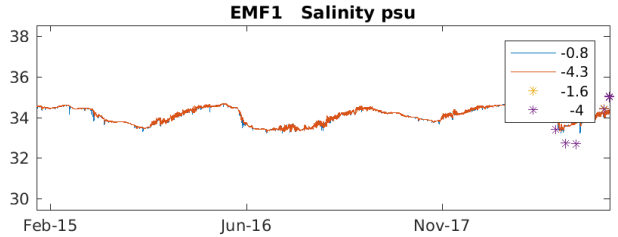

EMF1 NO3 mg/m3
d2:0.00, mape:204.3, rms:6.80, bias:2.62, r:NaN, omean:2.00
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
15
10
5

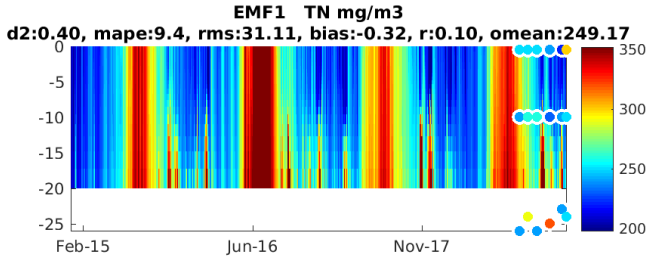

EMF1 NO3 mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

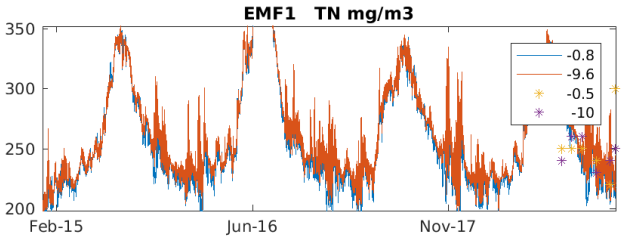

EMF1 NP-DOC mg/m3
d2:0.14, mape:145.9, rms:549.39, bias:541.17, r:-0.41, omean:391.67
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
550
500
450
400
350
300

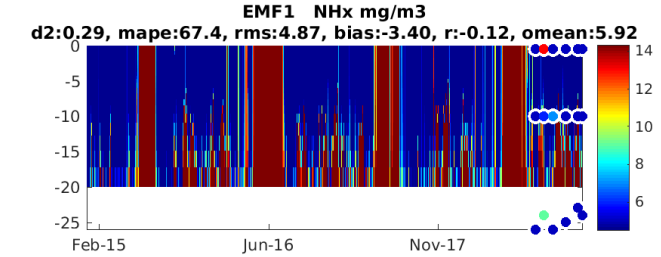

EMF1 NP-DOC mg/m3
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

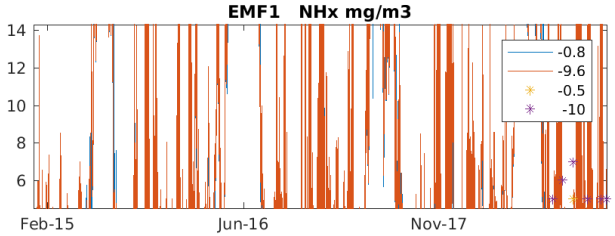

EMF1 Salinity psu
d2:0.71, mape:1.6, rms:0.63, bias:0.25, r:0.89, omean:33.78
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
38
36
34
32
30

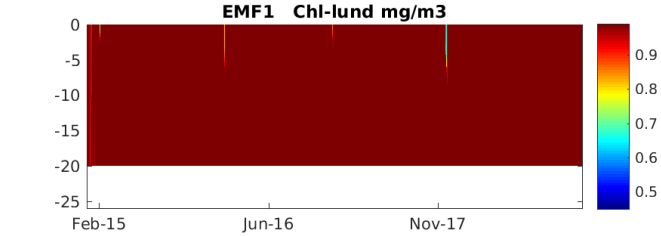

EMF1 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-4.3
-1.6
-4

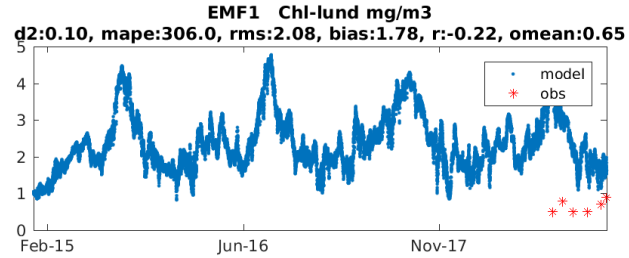

EMF1 TN mg/m3
d2:0.40, mape:9.4, rms:31.11, bias:-0.32, r:0.10, omean:249.17
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
350
300
250
200

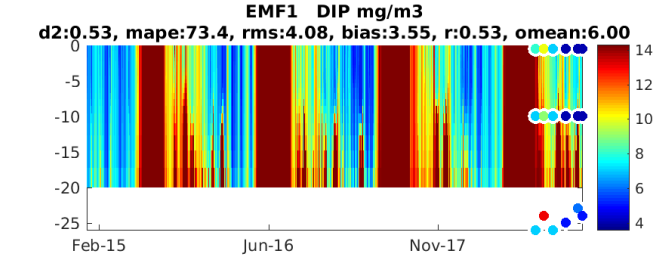

EMF1 TN mg/m3
350
300
250
200
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

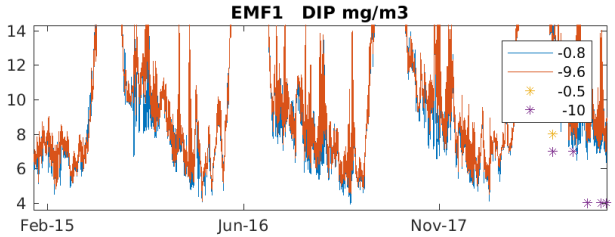

EMF1 NHx mg/m3
d2:0.29, mape:67.4, rms:4.87, bias:-3.40, r:-0.12, omean:5.92
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
14
12
10
8
6

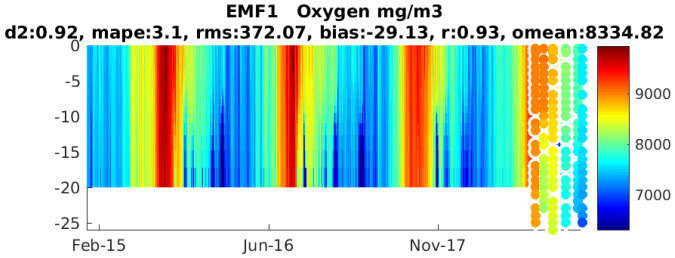

EMF1 NHx mg/m3
14
12
10
8
6
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

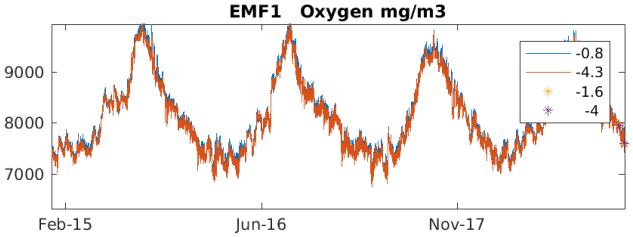

EMF1 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
0.9
0.8
0.7
0.6
0.5

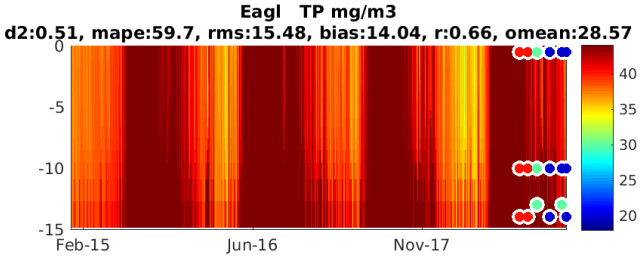

EMF1 Chl-lund mg/m3
d2:0.10, mape:306.0, rms:2.08, bias:1.78, r:-0.22, omean:0.65
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
model
obs

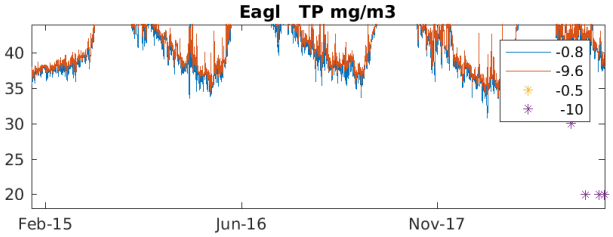

EMF1 DIP mg/m3
d2:0.53, mape:73.4, rms:4.08, bias:3.55, r:0.53, omean:6.00
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
14
12
10
8
6
4

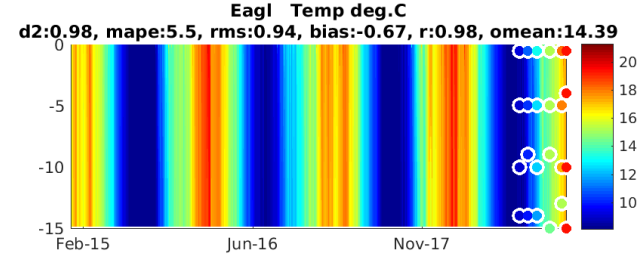

EMF1 DIP mg/m3
14
12
10
8
6
4
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

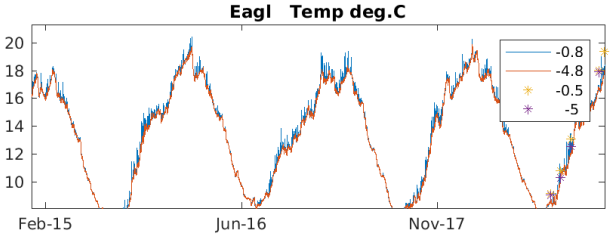

EMF1 Oxygen mg/m3
d2:0.92, mape:3.1, rms:372.07, bias:-29.13, r:0.93, omean:8334.82
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
9000
8000
7000

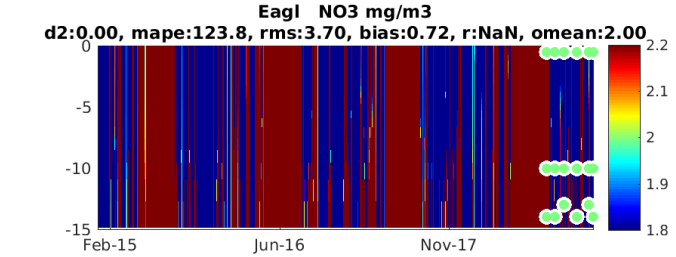

EMF1 Oxygen mg/m3
9000
8000
7000
Feb-15
Jun-16
Nov-17
-0.8
-4.3
-1.6
-4

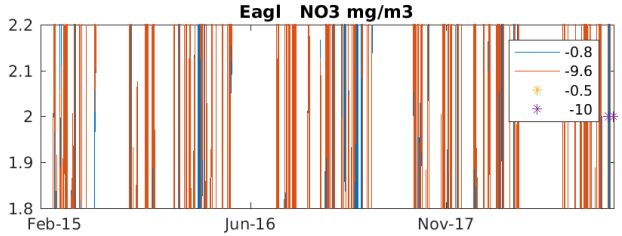

Eagl TP mg/m3
d2:0.51, mape:59.7, rms:15.48, bias:14.04, r:0.66, omean:28.57
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
40
35
30
25
20

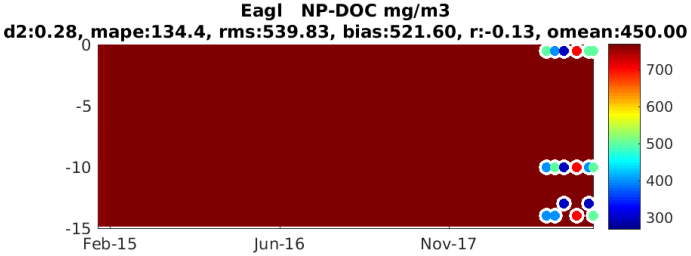

Eagl TP mg/m3
40
35
30
25
20
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

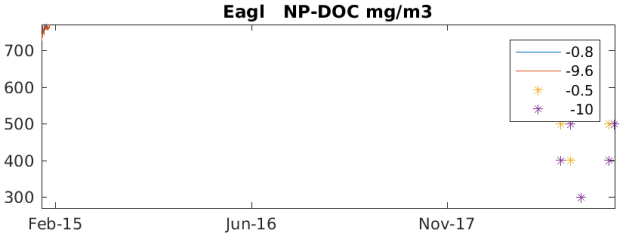

Eagl Temp deg.C
d2:0.98, mape:5.5, rms:0.94, bias:-0.67, r:0.98, omean:14.39
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
20
18
16
14
12
10

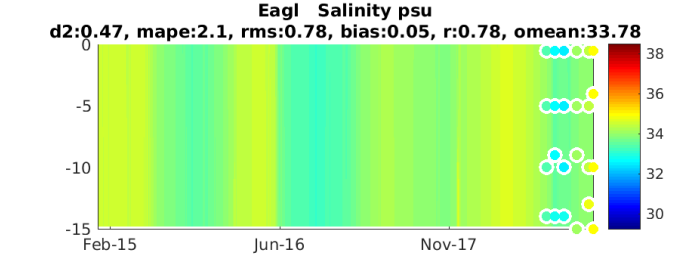

Eagl Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-0.5
-5

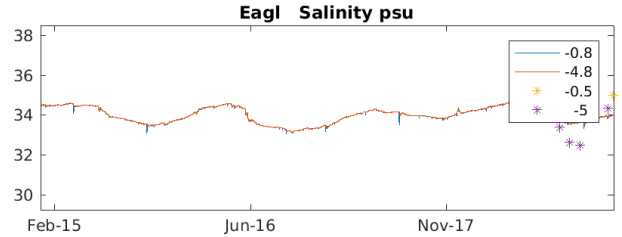

Eagl NO3 mg/m3
d2:0.00, mape:123.8, rms:3.70, bias:0.72, r:NaN, omean:2.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
2.2
2.1
2
1.9
1.8

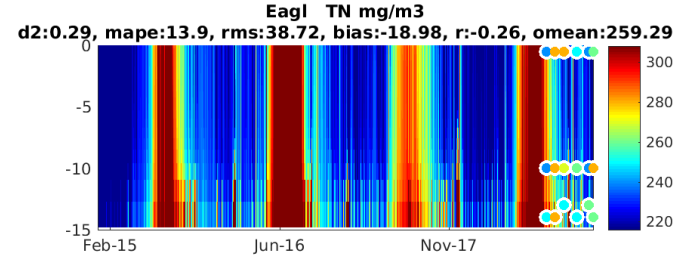

Eagl NO3 mg/m3
2.2
2.1
2
1.9
1.8
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

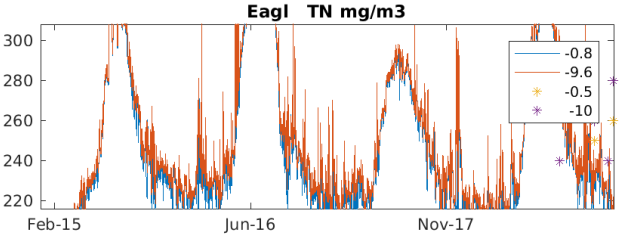

Eagl NP-DOC mg/m3
d2:0.28, mape:134.4, rms:539.83, bias:521.60, r:-0.13, omean:450.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
700
600
500
400
300

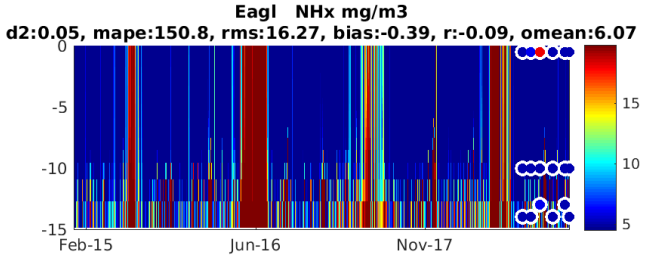

Eagl NP-DOC mg/m3
700
600
500
400
300
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

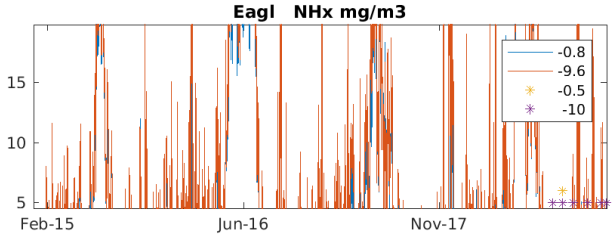

Eagl Salinity psu
d2:0.47, mape:2.1, rms:0.78, bias:0.05, r:0.78, omean:33.78
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
38
36
34
32
30

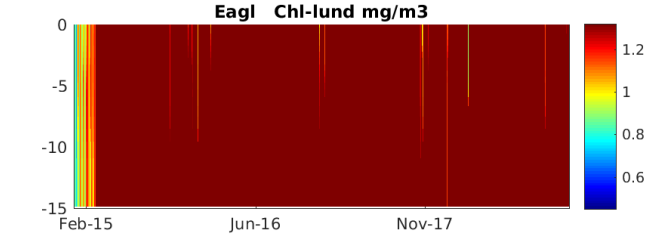

Eagl Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-0.5
-5

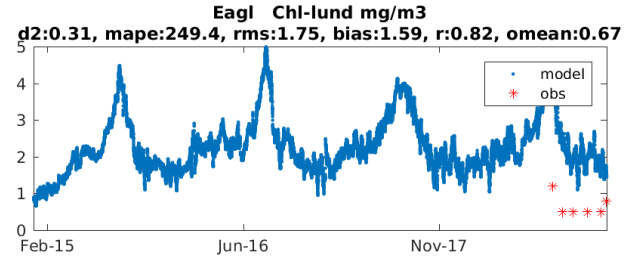

Eagl TN mg/m3
d2:0.29, mape:13.9, rms:38.72, bias:-18.98, r:-0.26, omean:259.29
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
300
280
260
240
220

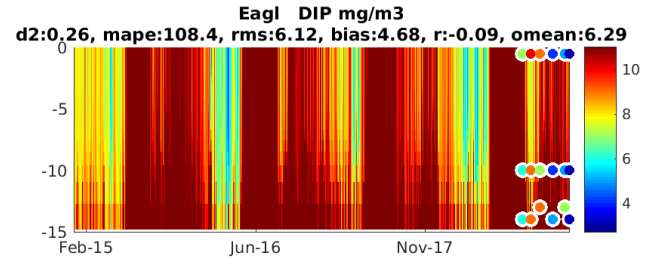

Eagl TN mg/m3
300
280
260
240
220
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

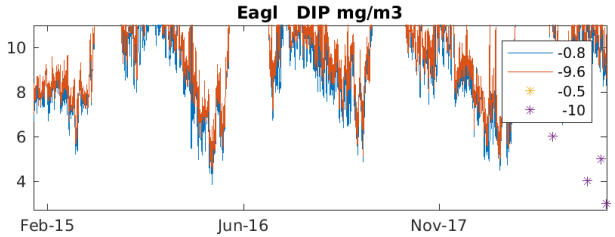

Eagl NHx mg/m3
d2:0.05, mape:150.8, rms:16.27, bias:-0.39, r:-0.09, omean:6.07
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
15
10
5

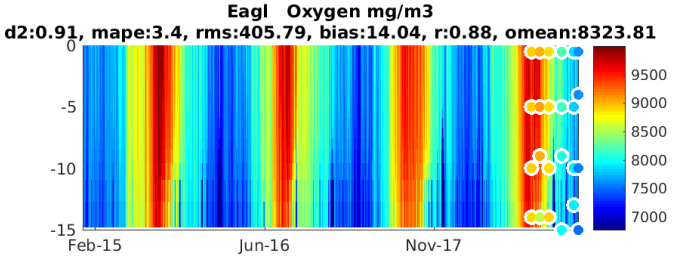

Eagl NHx mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

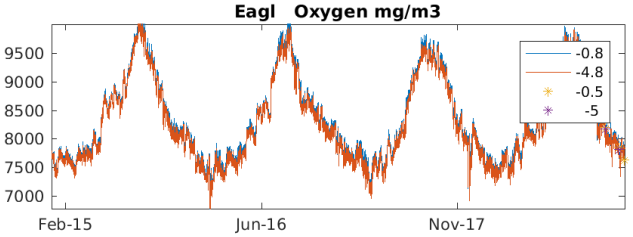

Eagl Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
1.2
1
0.8
0.6

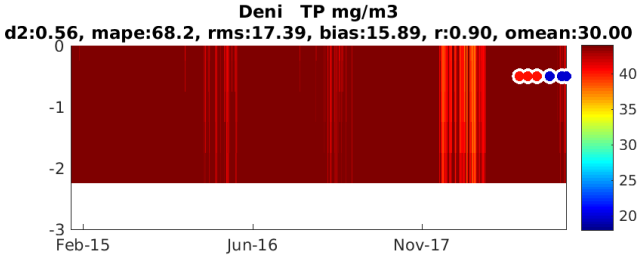

Eagl Chl-lund mg/m3
d2:0.31, mape:249.4, rms:1.75, bias:1.59, r:0.82, omean:0.67
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
model
obs

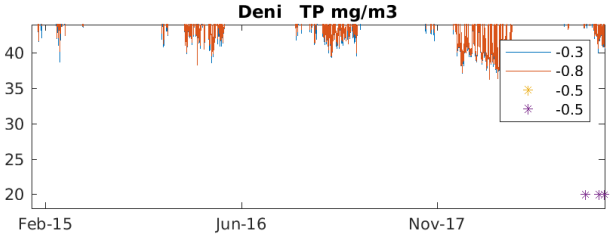

Eagl DIP mg/m3
d2:0.26, mape:108.4, rms:6.12, bias:4.68, r:-0.09, omean:6.29
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
10
8
6
4

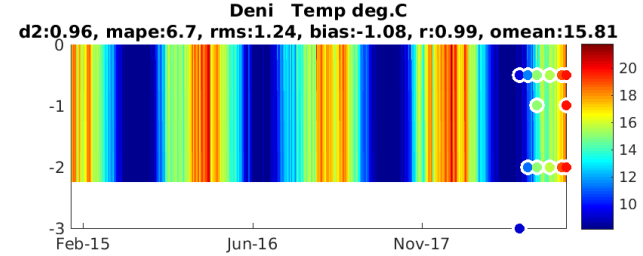

Eagl DIP mg/m3
10
8
6
4
Feb-15
Jun-16
Nov-17
-0.8
-9.6
-0.5
-10

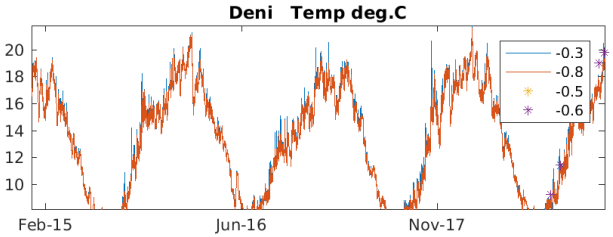

Eagl Oxygen mg/m3
d2:0.91, mape:3.4, rms:405.79, bias:14.04, r:0.88, omean:8323.81
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
9500
9000
8500
8000
7500
7000

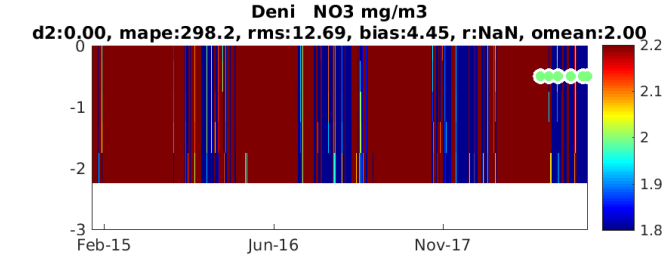

Eagl Oxygen mg/m3
9500
9000
8500
8000
7500
7000
Feb-15
Jun-16
Nov-17
-0.8
-4.8
-0.5
-5

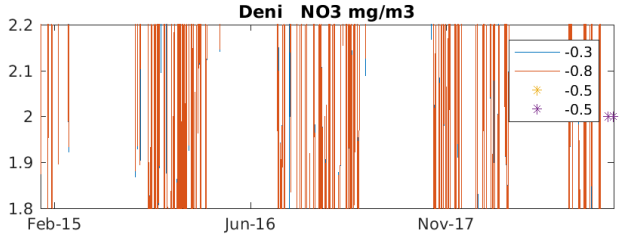

Deni TP mg/m3
d2:0.56, mape:68.2, rms:17.39, bias:15.89, r:0.90, omean:30.00
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
40
35
30
25
20

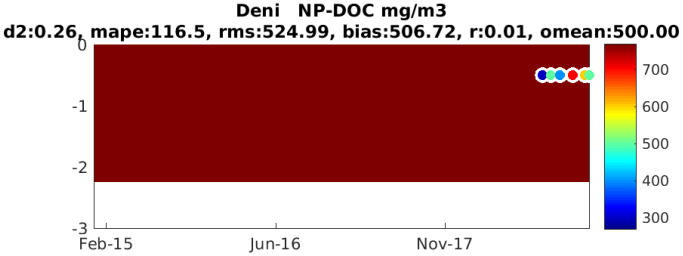

Deni TP mg/m3
40
35
30
25
20
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

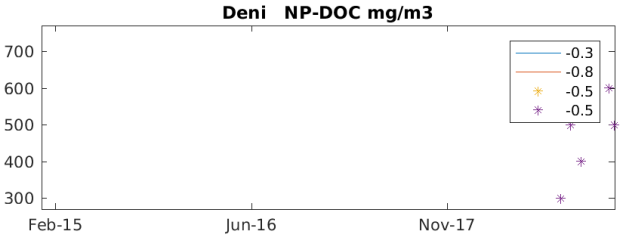

Deni Temp deg.C
d2:0.96, mape:6.7, rms:1.24, bias:-1.08, r:0.99, omean:15.81
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
20
18
16
14
12
10

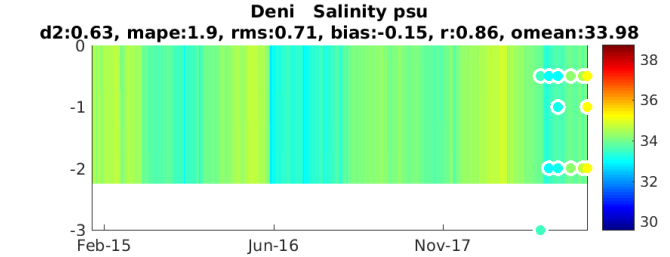

Deni Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.6

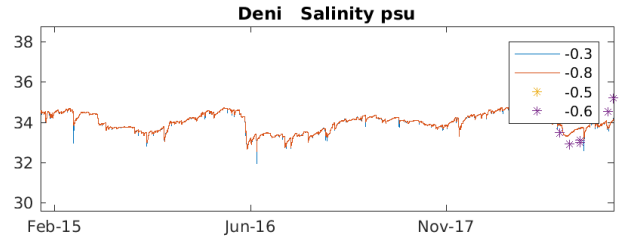

Deni NO3 mg/m3
d2:0.00, mape:298.2, rms:12.69, bias:4.45, r:NaN, omean:2.00
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
2.2
2.1
2
1.9
1.8

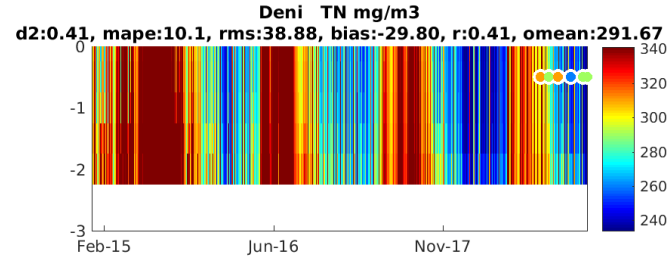

Deni NO3 mg/m3
2.2
2.1
2
1.9
1.8
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

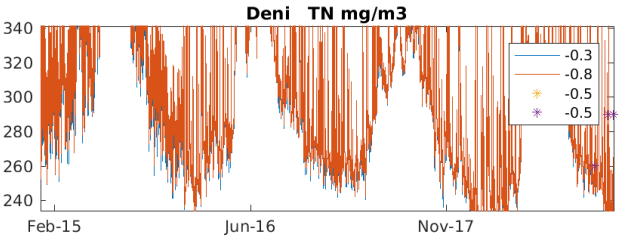

Deni NP-DOC mg/m3
d2:0.26, mape:116.5, rms:524.99, bias:506.72, r:0.01, omean:500.00
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
700
600
500
400
300

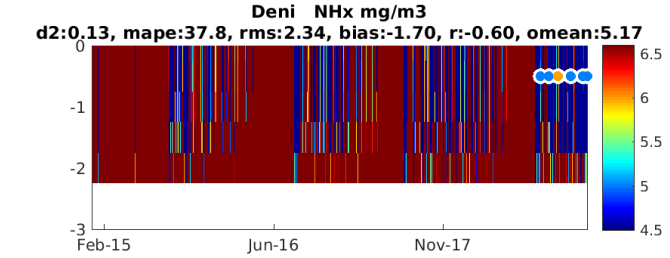

Deni NP-DOC mg/m3
700
600
500
400
300
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

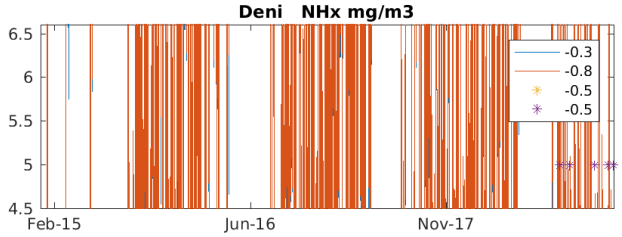

Deni Salinity psu
d2:0.63, mape:1.9, rms:0.71, bias:-0.15, r:0.86, omean:33.98
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
38
36
34
32
30

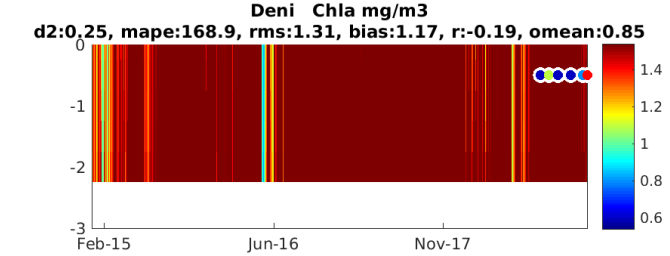

Deni Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.6

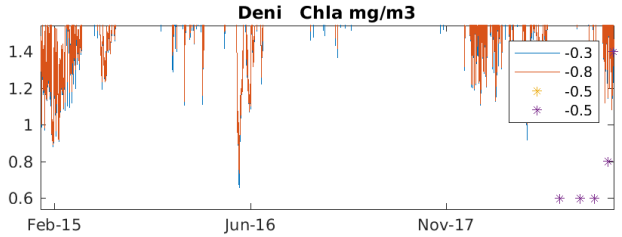

Deni TN mg/m3
d2:0.41, mape:10.1, rms:38.88, bias:-29.80, r:0.41, omean:291.67
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
340
320
300
280
260
240

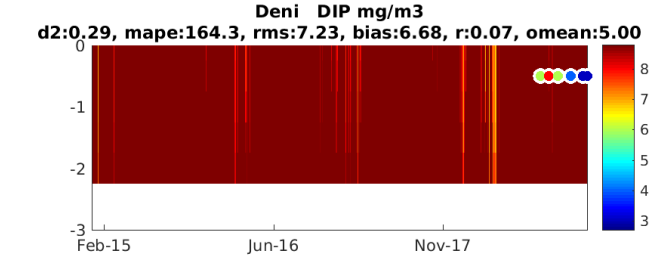

Deni TN mg/m3
340
320
300
280
260
240
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

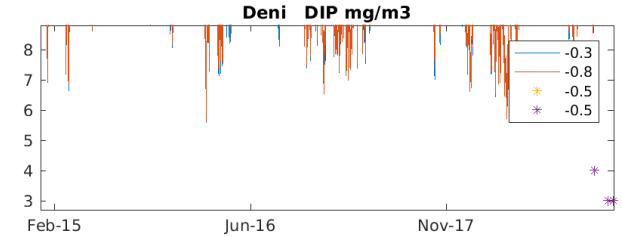

Deni NHx mg/m3
d2:0.13, mape:37.8, rms:2.34, bias:-1.70, r:-0.60, omean:5.17
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
6.5
6
5.5
5
4.5

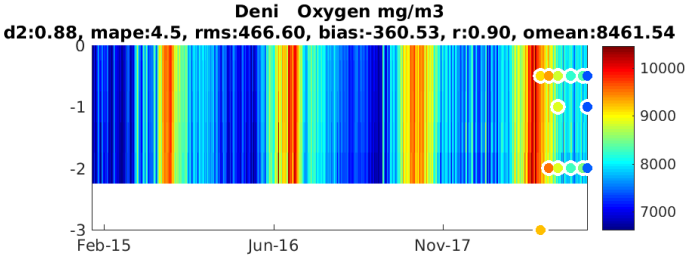

Deni NHx mg/m3
6.5
6
5.5
5
4.5
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

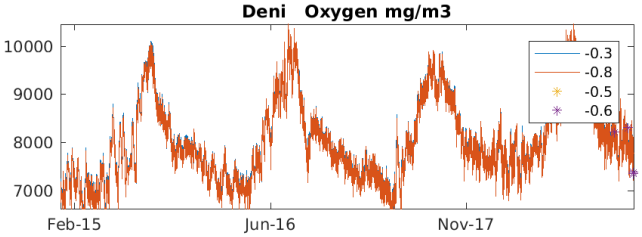

Deni Chla mg/m3
d2:0.25, mape:168.9, rms:1.31, bias:1.17, r:-0.19, omean:0.85
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
1.4
1.2
1
0.8
0.6

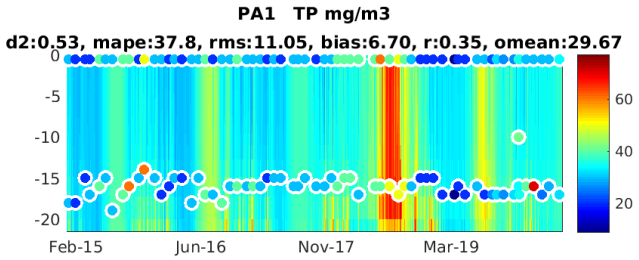

Deni Chla mg/m3
1.4
1.2
1
0.8
0.6
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

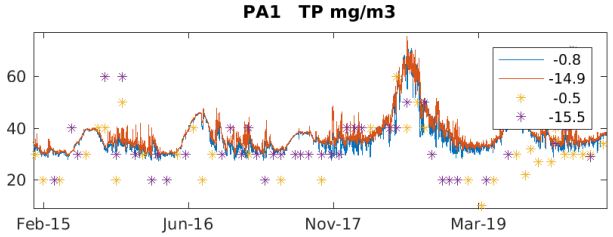

Deni DIP mg/m3
d2:0.29, mape:164.3, rms:7.23, bias:6.68, r:0.07, omean:5.00
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
8
7
6
5
4
3

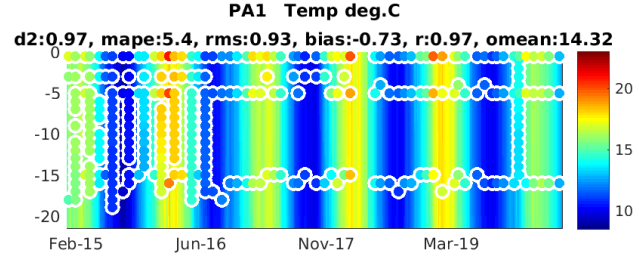

Deni DIP mg/m3
8
7
6
5
4
3
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.5

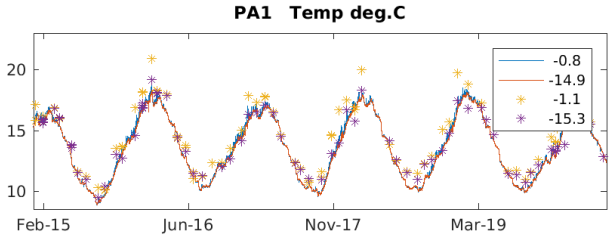

Deni Oxygen mg/m3
d2:0.88, mape:4.5, rms:466.60, bias:-360.53, r:0.90, omean:8461.54
0
-1
-2
-3
Feb-15
Jun-16
Nov-17
10000
9000
8000
7000

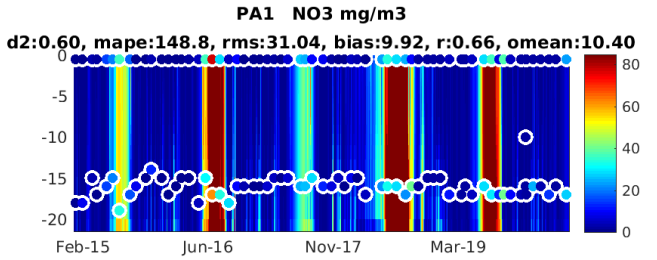

Deni Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
-0.3
-0.8
-0.5
-0.6

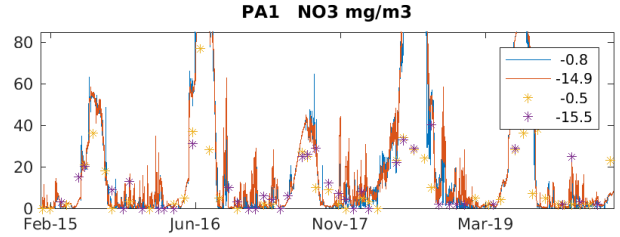

PA1 TP mg/m3
d2:0.53, mape:37.8, rms:11.05, bias:6.70, r:0.35, omean:29.67
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

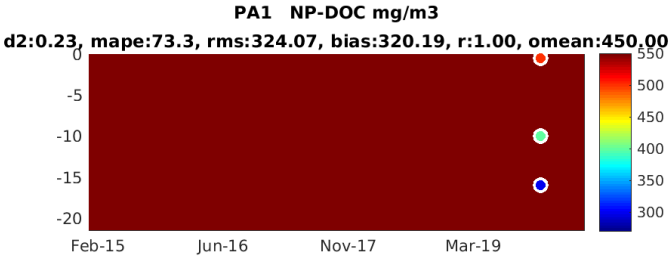

PA1 TP mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.5

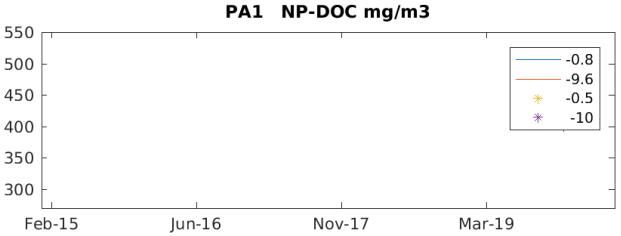

PA1 Temp deg.C
d2:0.97, mape:5.4, rms:0.93, bias:-0.73, r:0.97, omean:14.32
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

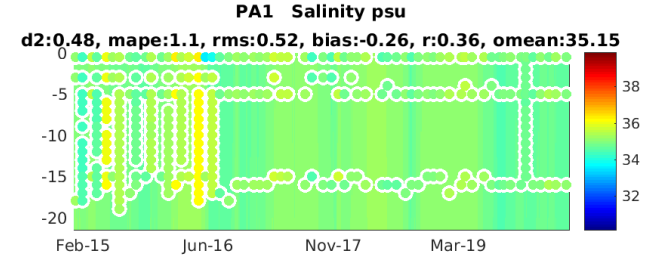

PA1 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-1.1
-15.3

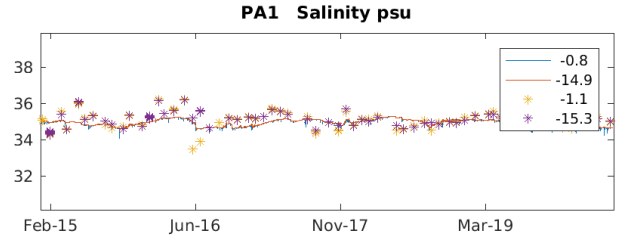

PA1 NO3 mg/m3
d2:0.60, mape:148.8, rms:31.04, bias:9.92, r:0.66, omean:10.40
0
-5
-10
-15
-20
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19

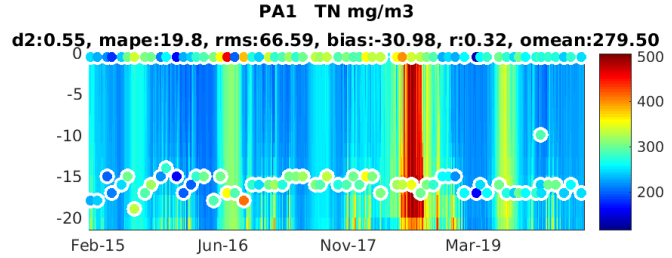

PA1 NO3 mg/m3
80
60
40
20
0
-0.8
-14.9
-0.5
-15.5
Feb-15
Jun-16
Nov-17
Mar-19

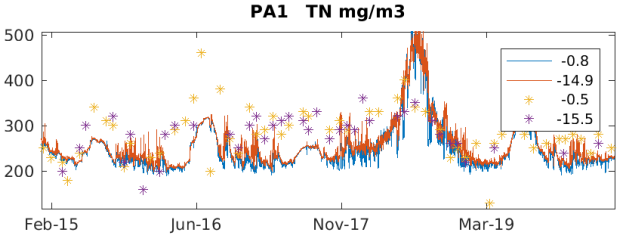

PA1 NP-DOC mg/m3
d2:0.23, mape:73.3, rms:324.07, bias:320.19, r:1.00, omean:450.00
0
-5
-10
-15
-20
550
500
450
400
350
300
Feb-15
Jun-16
Nov-17
Mar-19

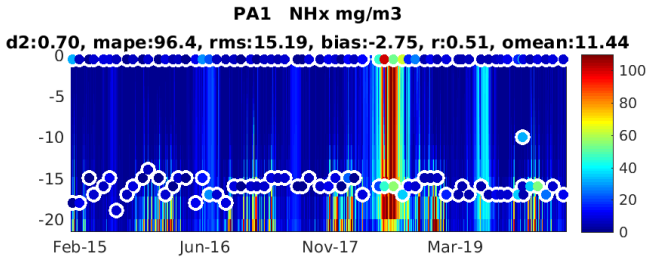

PA1 NP-DOC mg/m3
550
500
450
400
350
300
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

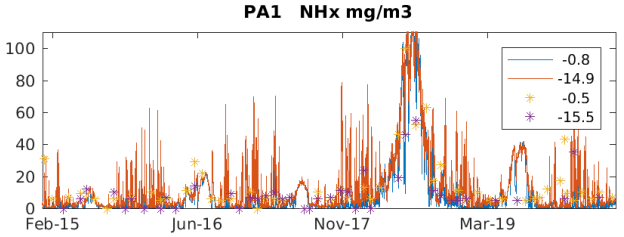

PA1 Salinity psu
d2:0.48, mape:1.1, rms:0.52, bias:-0.26, r:0.36, omean:35.15
0
-5
-10
-15
-20
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19

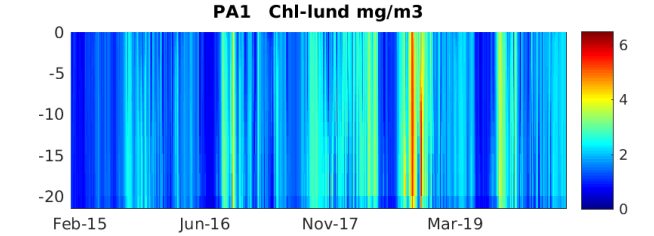

PA1 Salinity psu
38
36
34
32
-0.8
-14.9
-1.1
-15.3
Feb-15
Jun-16
Nov-17
Mar-19

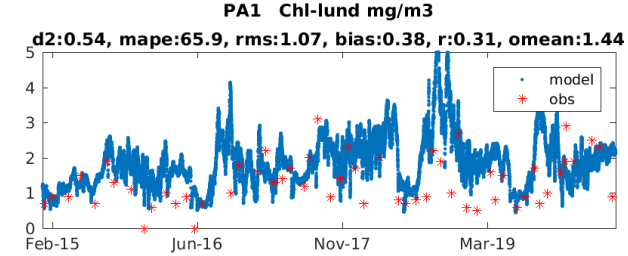

PA1 TN mg/m3
d2:0.55, mape:19.8, rms:66.59, bias:-30.98, r:0.32, omean:279.50
0
-5
-10
-15
-20
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19

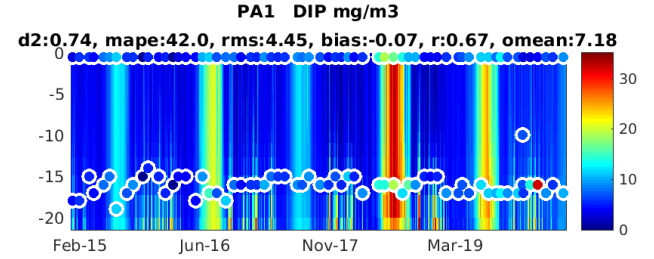

PA1 TN mg/m3
500
400
300
200
-0.8
-14.9
-0.5
-15.5
Feb-15
Jun-16
Nov-17
Mar-19

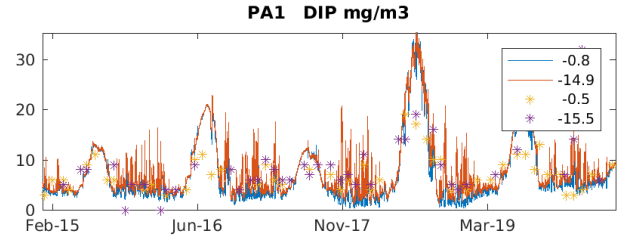

PA1 NHx mg/m3
d2:0.70, mape:96.4, rms:15.19, bias:-2.75, r:0.51, omean:11.44
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
100
80
60
40
20
0

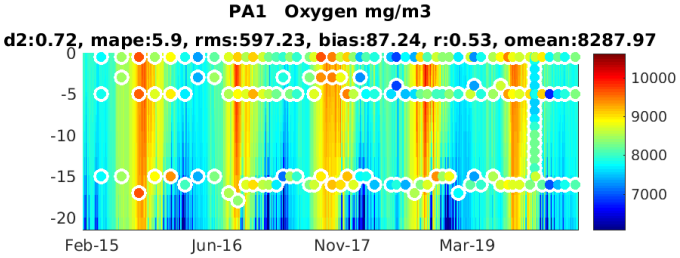

PA1 NHx mg/m3
100
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.5

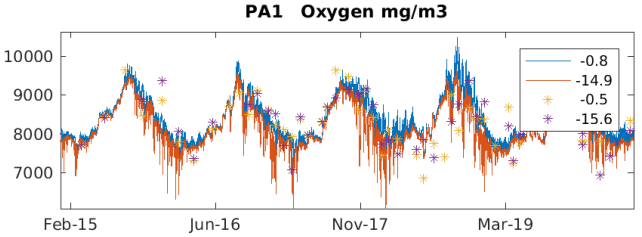

PA1 Chl-lund mg/m3
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
6
4
2
0

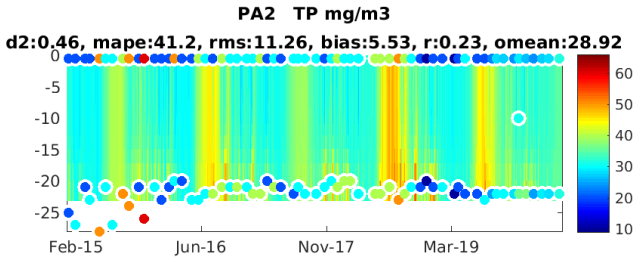

PA1 Chl-lund mg/m3
d2:0.54, mape:65.9, rms:1.07, bias:0.38, r:0.31, omean:1.44
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

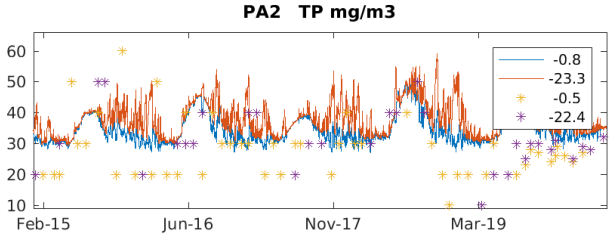

PA1 DIP mg/m3
d2:0.74, mape:42.0, rms:4.45, bias:-0.07, r:0.67, omean:7.18
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

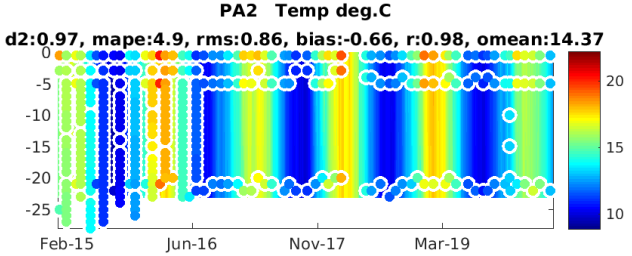

PA1 DIP mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.5

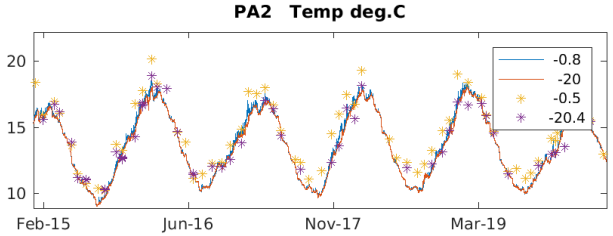

PA1 Oxygen mg/m3
d2:0.72, mape:5.9, rms:597.23, bias:87.24, r:0.53, omean:8287.97
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

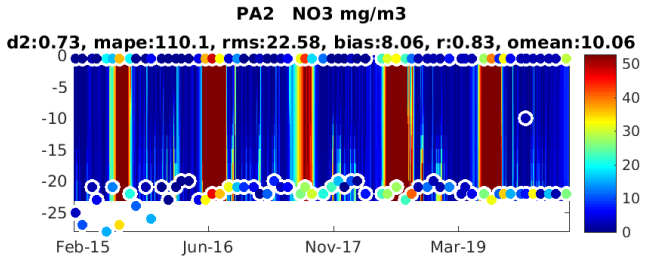

PA1 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.6

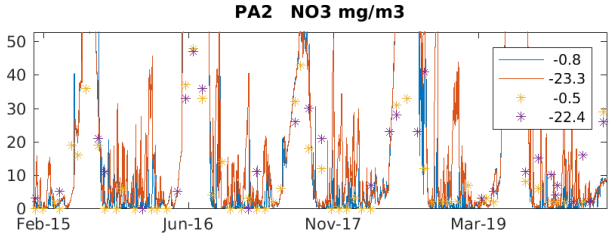

PA2 TP mg/m3
d2:0.46, mape:41.2, rms:11.26, bias:5.53, r:0.23, omean:28.92
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20
10

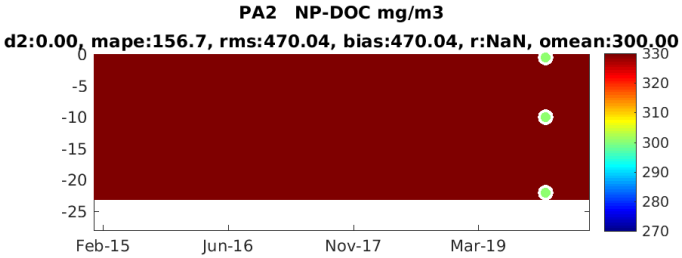

PA2 TP mg/m3
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.4

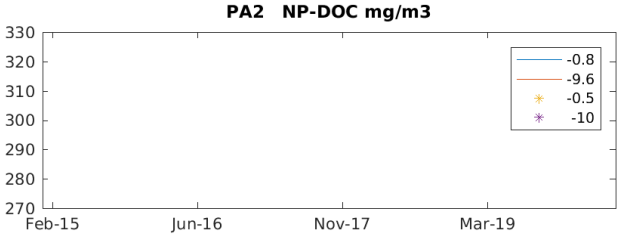

PA2 Temp deg.C
d2:0.97, mape:4.9, rms:0.86, bias:-0.66, r:0.98, omean:14.37
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

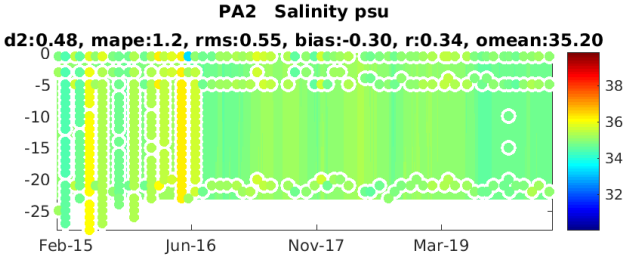

PA2 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20.4

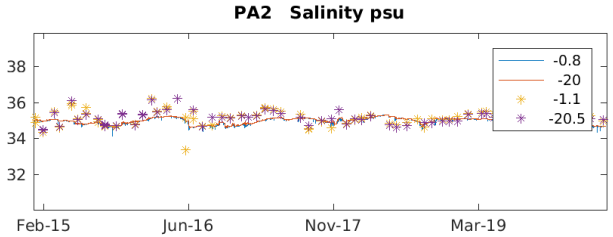

PA2 NO3 mg/m3
d2:0.73, mape:110.1, rms:22.58, bias:8.06, r:0.83, omean:10.06
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

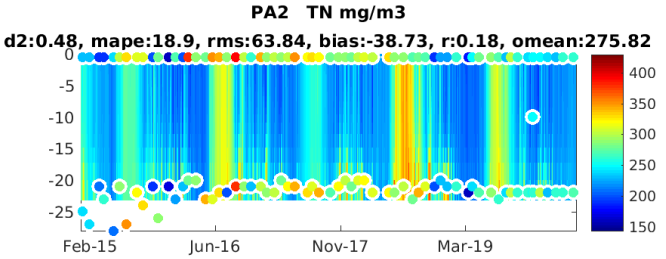

PA2 NO3 mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.4

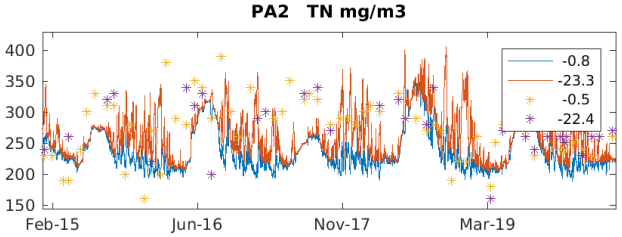

PA2 NP-DOC mg/m3
d2:0.00, mape:156.7, rms:470.04, bias:470.04, r:NaN, omean:300.00
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
330
320
310
300
290
280
270

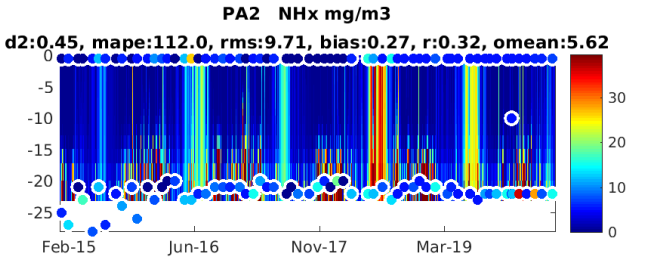

PA2 NP-DOC mg/m3
330
320
310
300
290
280
270
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

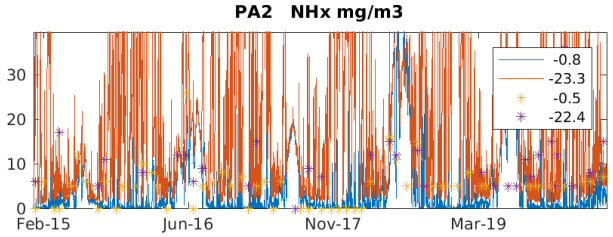

PA2 Salinity psu
d2:0.48, mape:1.2, rms:0.55, bias:-0.30, r:0.34, omean:35.20
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32

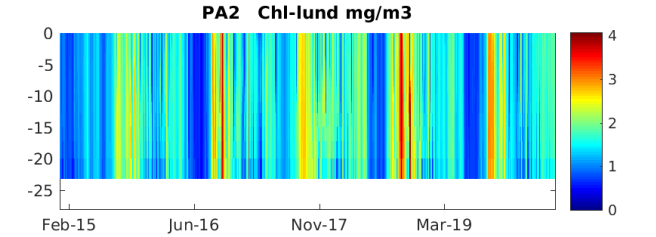

PA2 Salinity psu
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-1.1
-20.5

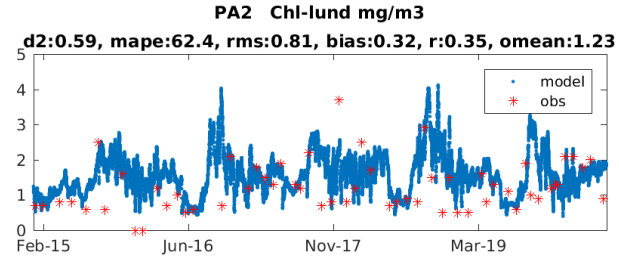

PA2 TN mg/m3
d2:0.48, mape:18.9, rms:63.84, bias:-38.73, r:0.18, omean:275.82
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

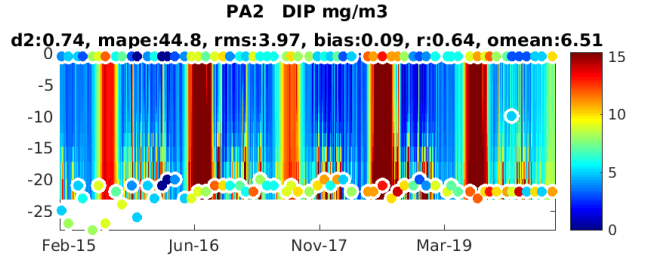

PA2 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.4

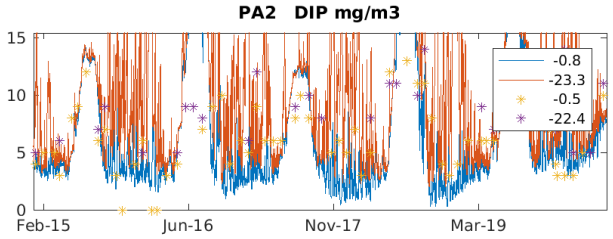

PA2 NHx mg/m3
d2:0.45, mape:112.0, rms:9.71, bias:0.27, r:0.32, omean:5.62
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

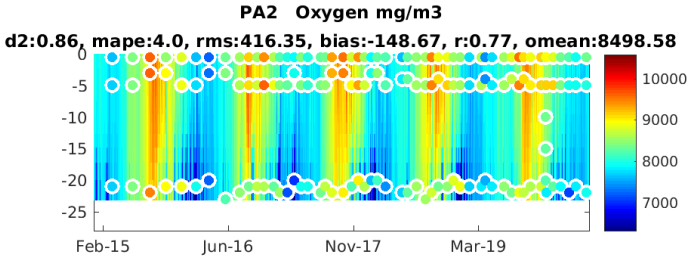

PA2 NHx mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.4

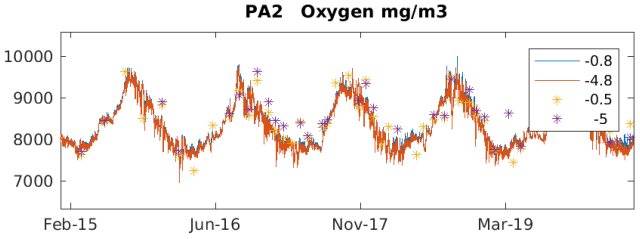

PA2 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1
0

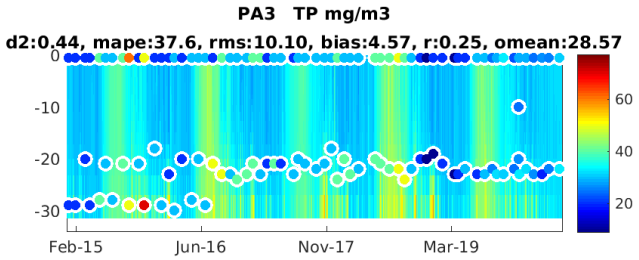

PA2 Chl-lund mg/m3
d2:0.59, mape:62.4, rms:0.81, bias:0.32, r:0.35, omean:1.23
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

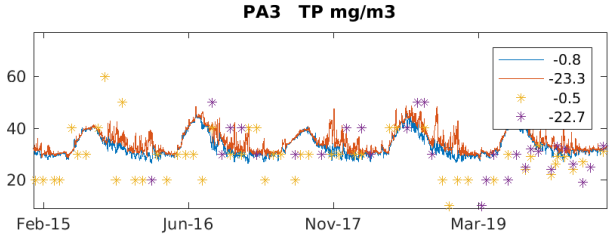

PA2 DIP mg/m3
d2:0.74, mape:44.8, rms:3.97, bias:0.09, r:0.64, omean:6.51
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

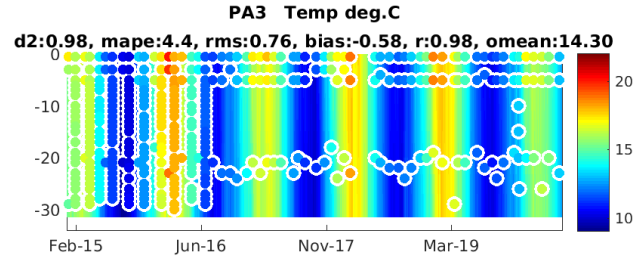

PA2 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.4

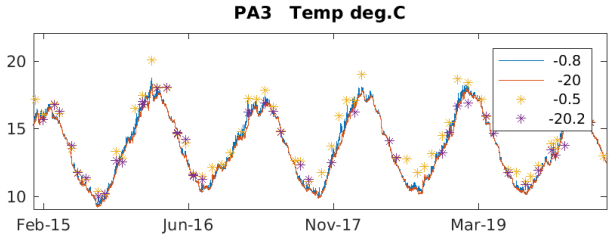

PA2 Oxygen mg/m3
d2:0.86, mape:4.0, rms:416.35, bias:-148.67, r:0.77, omean:8498.58
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

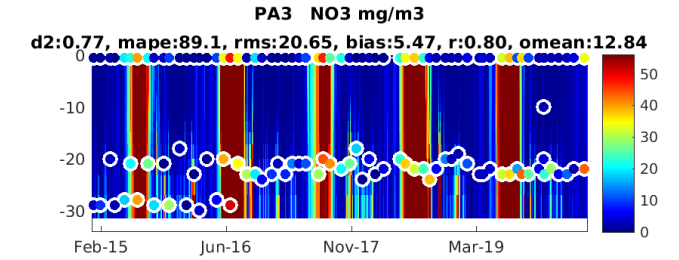

PA2 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

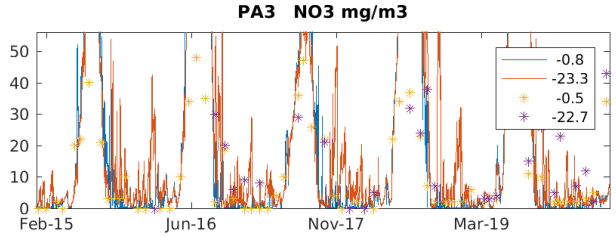

PA3 TP mg/m3
d2:0.44, mape:37.6, rms:10.10, bias:4.57, r:0.25, omean:28.57
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

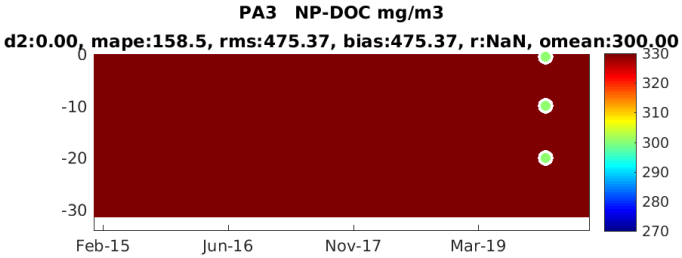

PA3 TP mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.7

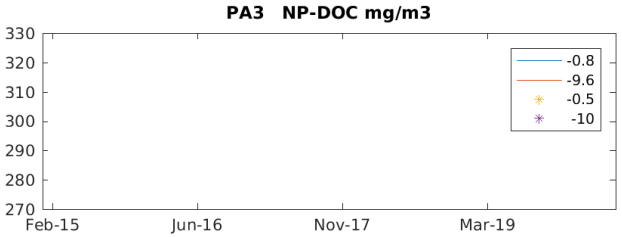

PA3 Temp deg.C
d2:0.98, mape:4.4, rms:0.76, bias:-0.58, r:0.98, omean:14.30
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

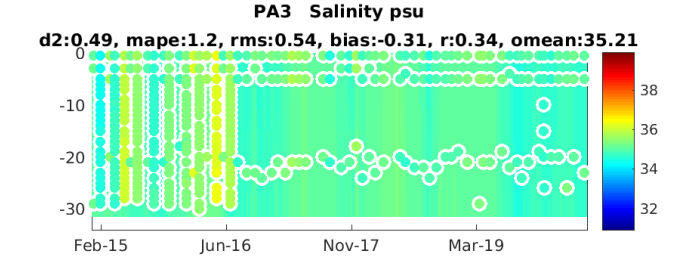

PA3 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20.2

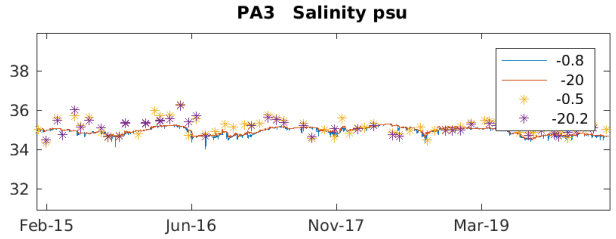

PA3 NO3 mg/m3
d2:0.77, mape:89.1, rms:20.65, bias:5.47, r:0.80, omean:12.84
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

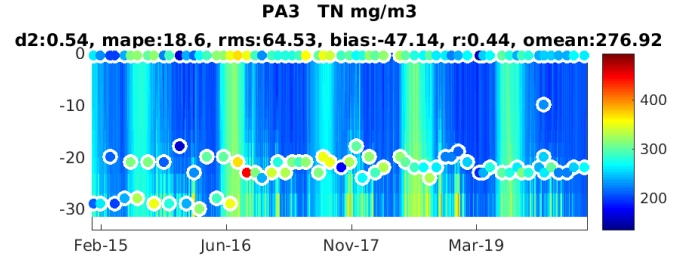

PA3 NO3 mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.7

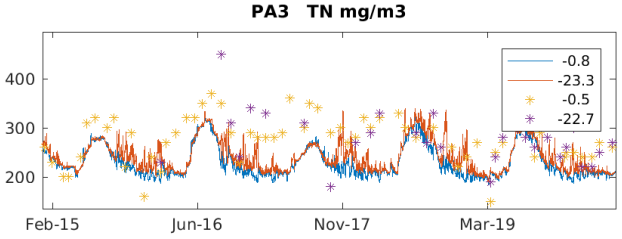

PA3 NP-DOC mg/m3
d2:0.00, mape:158.5, rms:475.37, bias:475.37, r:NaN, omean:300.00
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
330
320
310
300
290
280
270

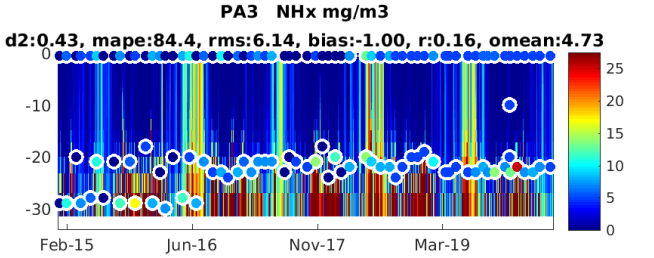

PA3 NP-DOC mg/m3
330
320
310
300
290
280
270
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

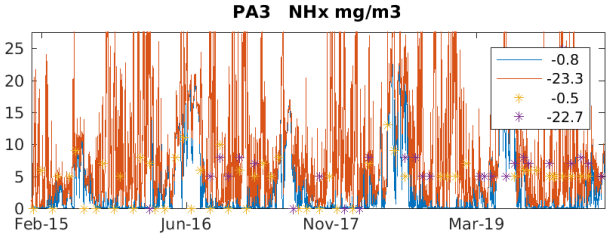

PA3 Salinity psu
d2:0.49, mape:1.2, rms:0.54, bias:-0.31, r:0.34, omean:35.21
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32

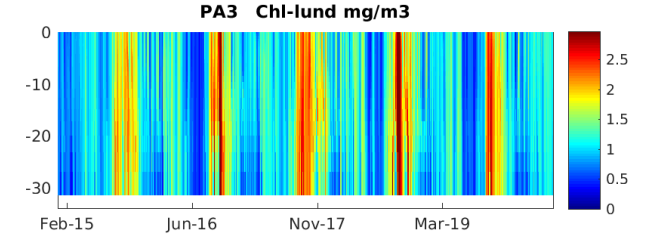

PA3 Salinity psu
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20.2

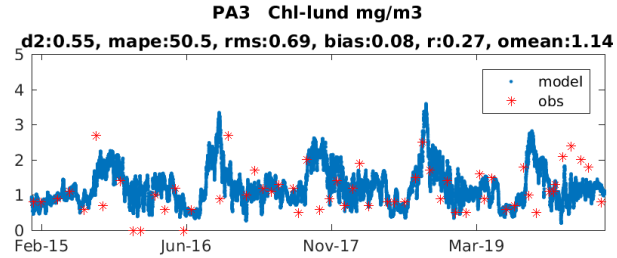

PA3 TN mg/m3
d2:0.54, mape:18.6, rms:64.53, bias:-47.14, r:0.44, omean:276.92
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200

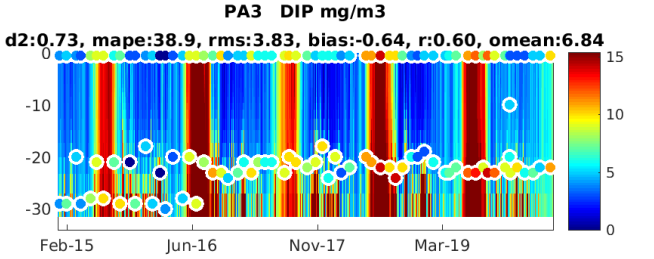

PA3 TN mg/m3
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.7

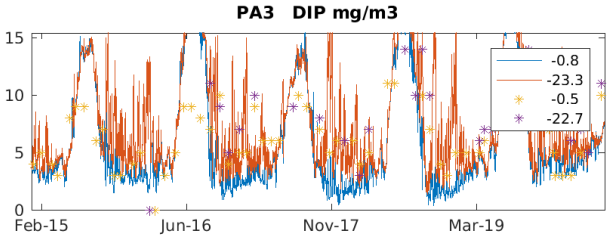

PA3 NHx mg/m3
d2:0.43, mape:84.4, rms:6.14, bias:-1.00, r:0.16, omean:4.73
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5
0

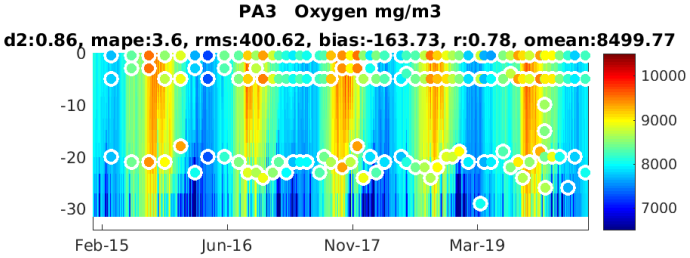

PA3 NHx mg/m3
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.7

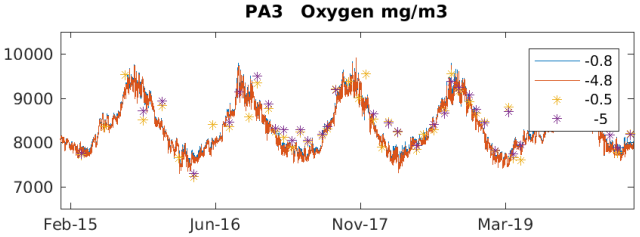

PA3 Chl-lund mg/m3
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
2.5
2
1.5
1
0.5
0

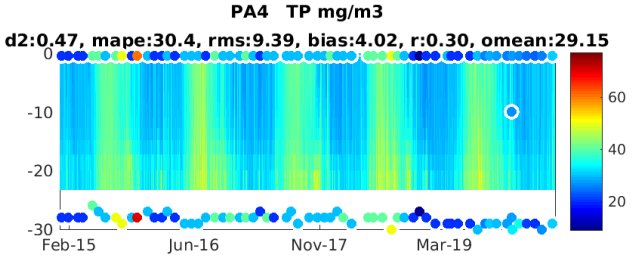

PA3 Chl-lund mg/m3
d2:0.55, mape:50.5, rms:0.69, bias:0.08, r:0.27, omean:1.14
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

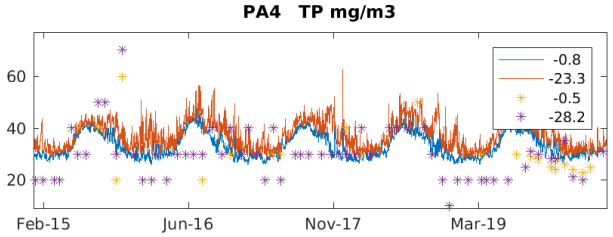

PA3 DIP mg/m3
d2:0.73, mape:38.9, rms:3.83, bias:-0.64, r:0.60, omean:6.84
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

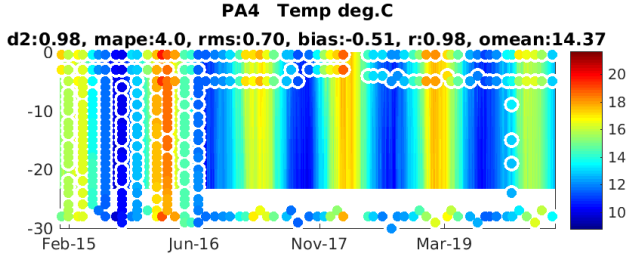

PA3 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.7

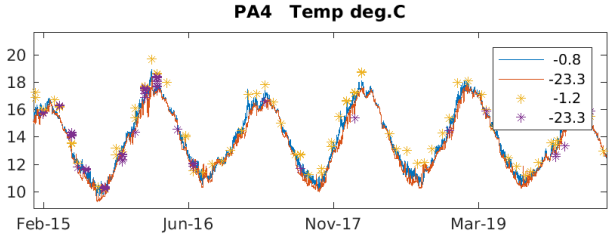

PA3 Oxygen mg/m3
d2:0.86, mape:3.6, rms:400.62, bias:-163.73, r:0.78, omean:8499.77
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

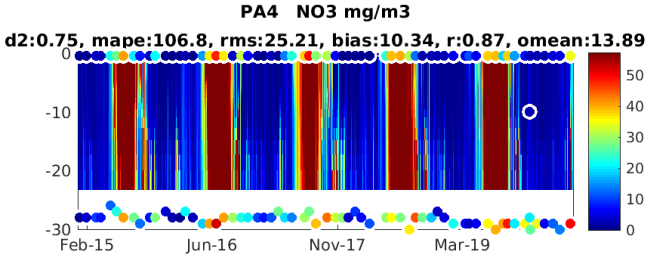

PA3 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

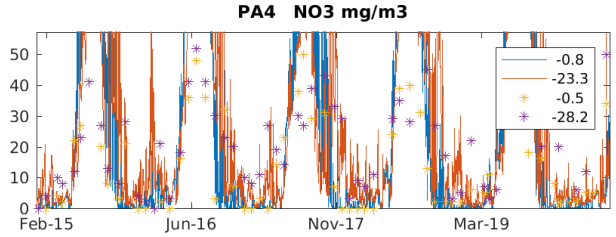

PA4 TP mg/m3
d2:0.47, mape:30.4, rms:9.39, bias:4.02, r:0.30, omean:29.15
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

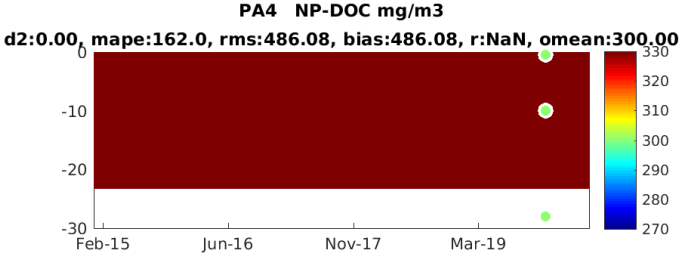

PA4 TP mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-28.2

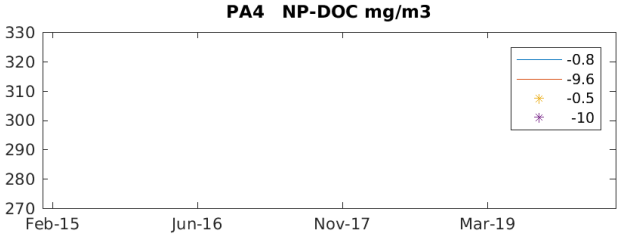

PA4 Temp deg.C
d2:0.98, mape:4.0, rms:0.70, bias:-0.51, r:0.98, omean:14.37
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
20
18
16
14
12
10

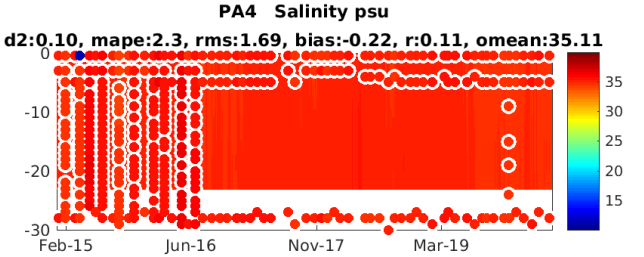

PA4 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-1.2
-23.3

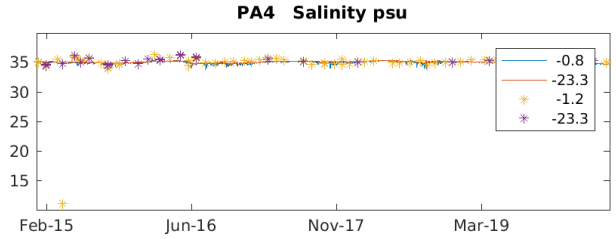

PA4 NO3 mg/m3
d2:0.75, mape:106.8, rms:25.21, bias:10.34, r:0.87, omean:13.89
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

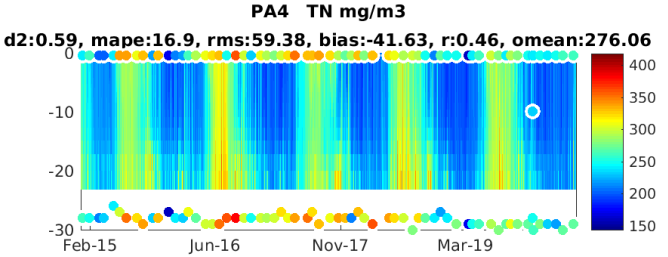

PA4 NO3 mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-28.2

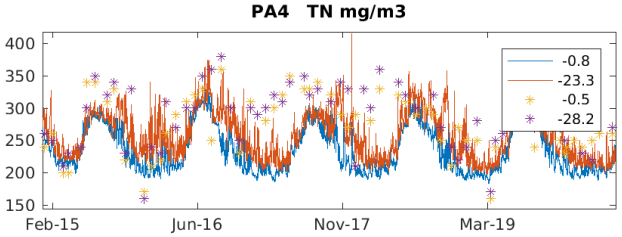

PA4 NP-DOC mg/m3
d2:0.00, mape:162.0, rms:486.08, bias:486.08, r:NaN, omean:300.00
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
330
320
310
300
290
280
270

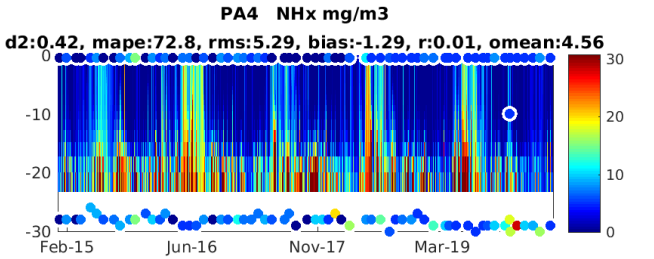

PA4 NP-DOC mg/m3
330
320
310
300
290
280
270
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

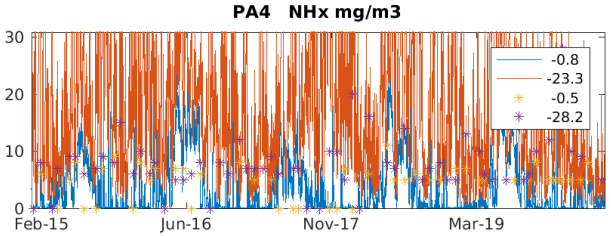

PA4 Salinity psu
d2:0.10, mape:2.3, rms:1.69, bias:-0.22, r:0.11, omean:35.11
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20
15

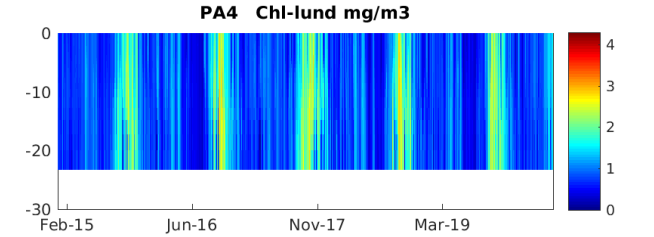

PA4 Salinity psu
35
30
25
20
15
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-1.2
-23.3

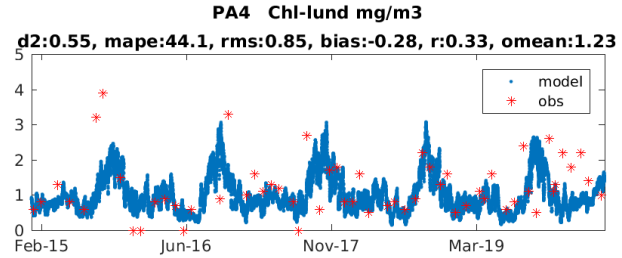

PA4 TN mg/m3
d2:0.59, mape:16.9, rms:59.38, bias:-41.63, r:0.46, omean:276.06
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

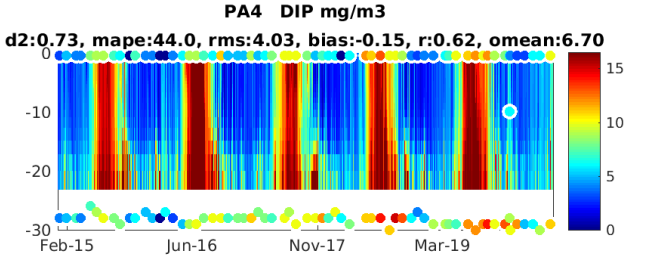

PA4 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-28.2

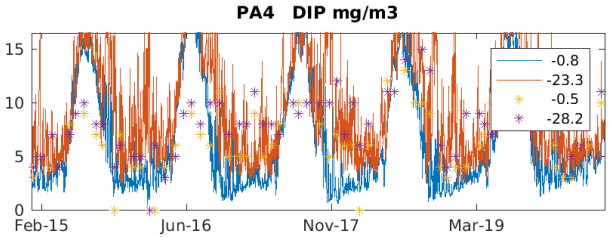

PA4 NHx mg/m3
d2:0.42, mape:72.8, rms:5.29, bias:-1.29, r:0.01, omean:4.56
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

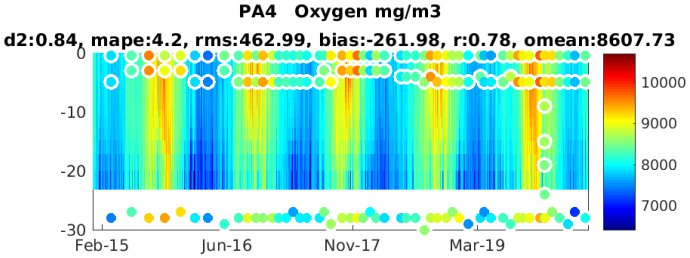

PA4 NHx mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-28.2

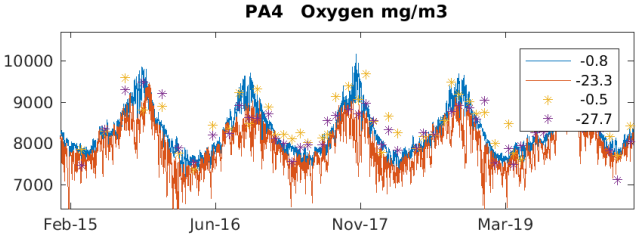

PA4 Chl-lund mg/m3
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1
0

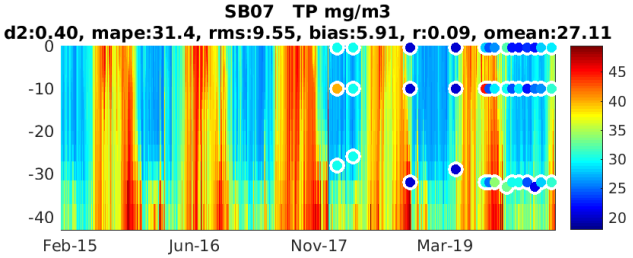

PA4 Chl-lund mg/m3
d2:0.55, mape:44.1, rms:0.85, bias:-0.28, r:0.33, omean:1.23
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

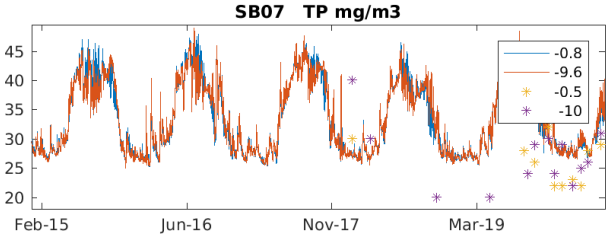

PA4 DIP mg/m3
d2:0.73, mape:44.0, rms:4.03, bias:-0.15, r:0.62, omean:6.70
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

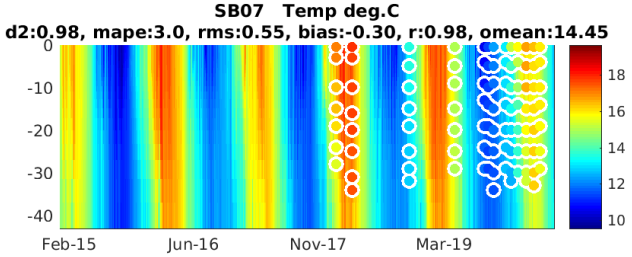

PA4 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-28.2

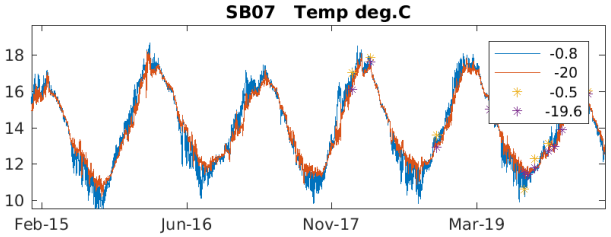

PA4 Oxygen mg/m3
d2:0.84, mape:4.2, rms:462.99, bias:-261.98, r:0.78, omean:8607.73
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

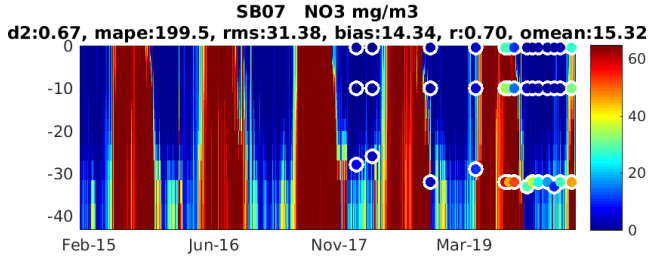

PA4 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-27.7

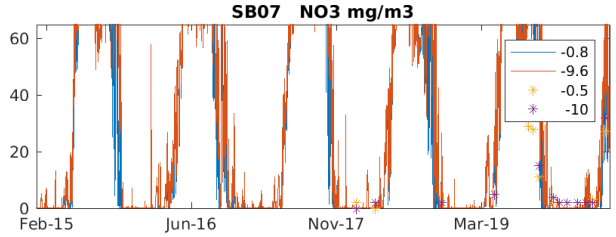

SB07 TP mg/m3
d2:0,40, mape:31.4, rms:9.55, bias:5.91, r:0.09, omean:27.11
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
45
40
35
30
25
20

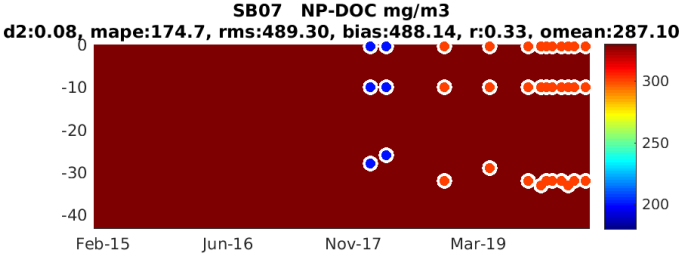

SB07 TP mg/m3
45
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

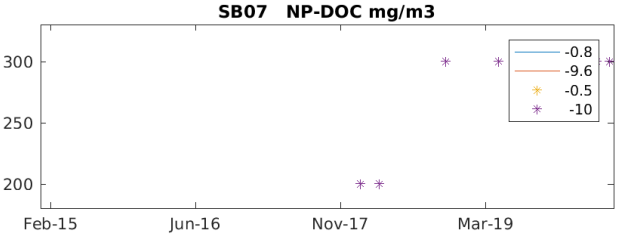

SB07 Temp deg.C
d2:0,98, mape:3.0, rms:0.55, bias:-0.30, r:0.98, omean:14.45
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
18
16
14
12
10

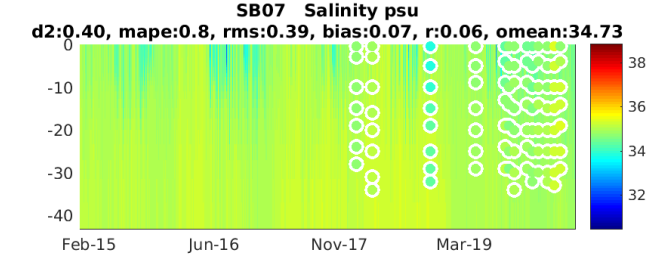

SB07 Temp deg.C
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.6

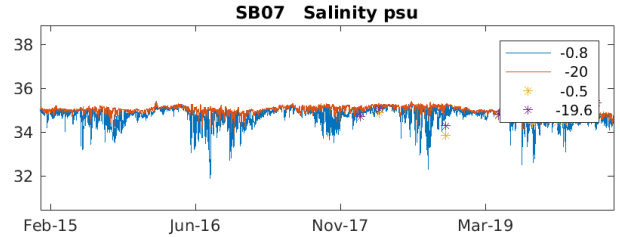

SB07 NO3 mg/m3
d2:0.67, mape:199.5, rms:31.38, bias:14.34, r:0.70, omean:15.32
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

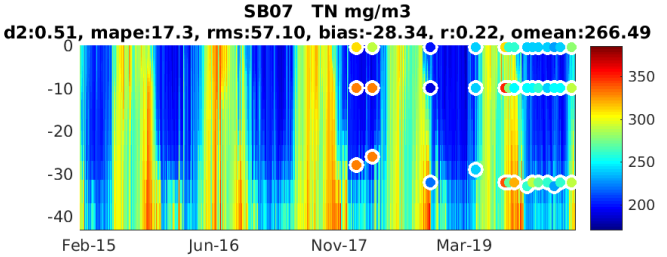

SB07 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

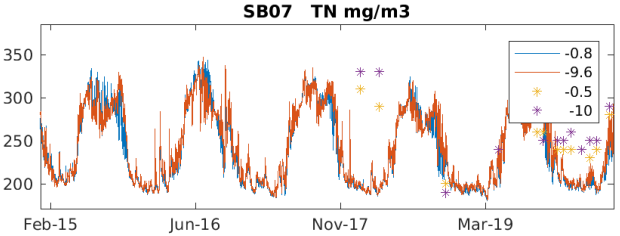

SB07 NP-DOC mg/m3
d2:0.08, mape:174.7, rms:489.30, bias:488.14, r:0.33, omean:287.10
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
300
250
200

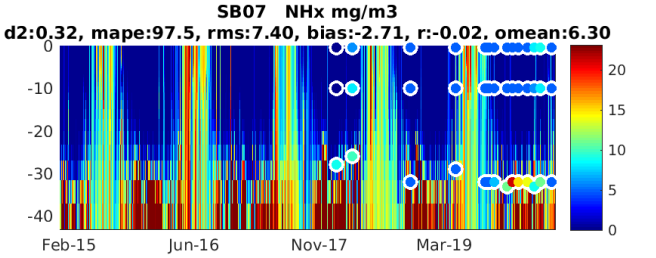

SB07 NP-DOC mg/m3
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

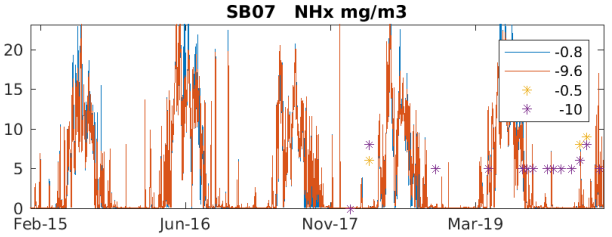

SB07 Salinity psu
d2:0.40, mape:0.8, rms:0.39, bias:0.07, r:0.06, omean:34.73
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32

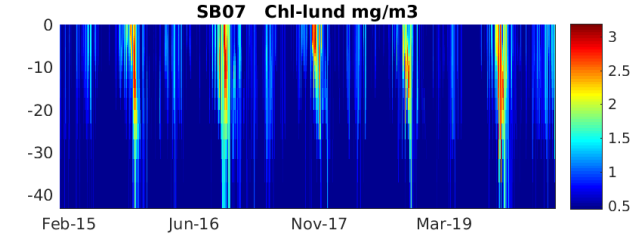

SB07 Salinity psu
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.6

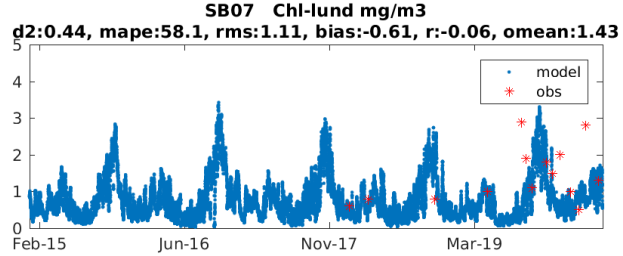

SB07 TN mg/m3
d2:0.51, mape:17.3, rms:57.10, bias:-28.34, r:0.22, omean:266.49
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
350
300
250
200

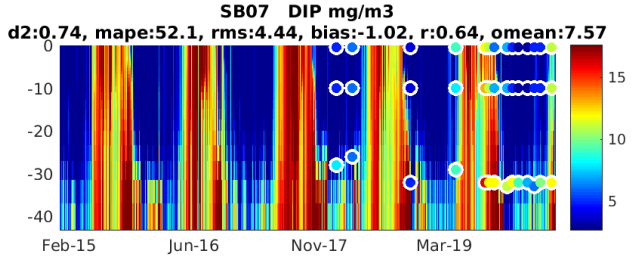

SB07 TN mg/m3
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

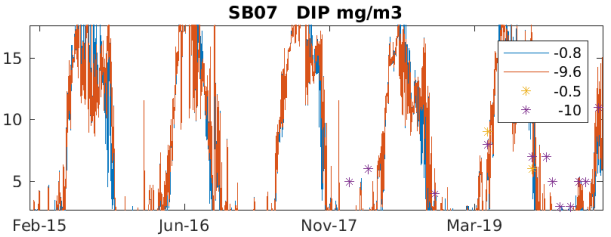

SB07 NHx mg/m3
d2:0.32, mape:97.5, rms:7.40, bias:-2.71, r:-0.02, omean:6.30
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

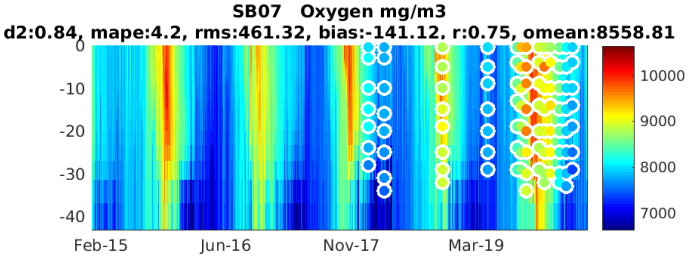

SB07 NHx mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

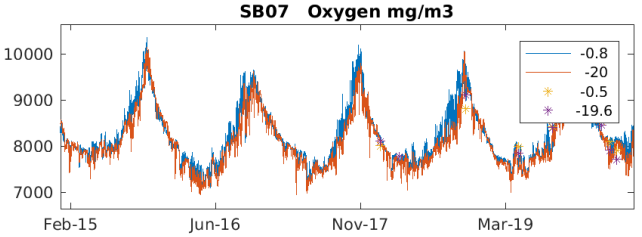

SB07 Chl-lund mg/m3
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
3
2.5
2
1.5
1
0.5

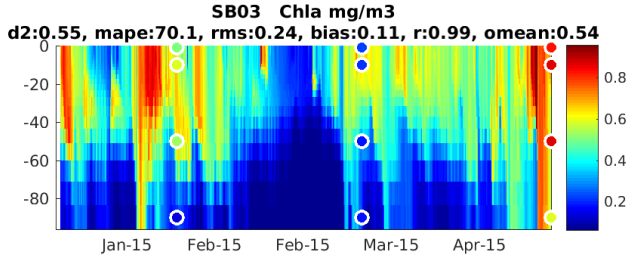

SB07 Chl-lund mg/m3
d2:0.44, mape:58.1, rms:1.11, bias:-0.61, r:-0.06, omean:1.43
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

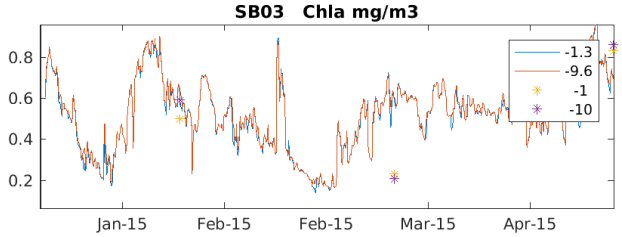

SB07 DIP mg/m3
d2:0.74, mape:52.1, rms:4.44, bias:-1.02, r:0.64, omean:7.57
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5

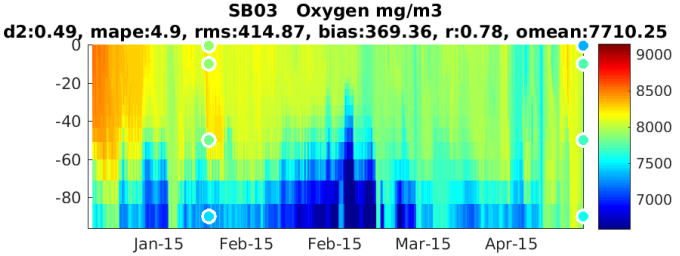

SB07 DIP mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

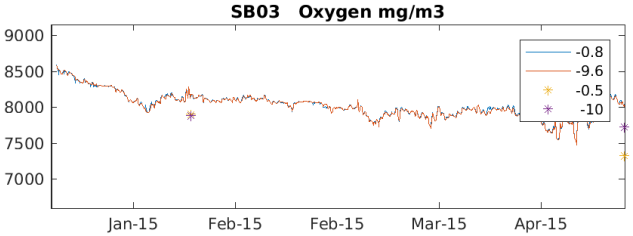

SB07 Oxygen mg/m3
d2:0.84, mape:4.2, rms:461.32, bias:-141.12, r:0.75, omean:8558.81
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

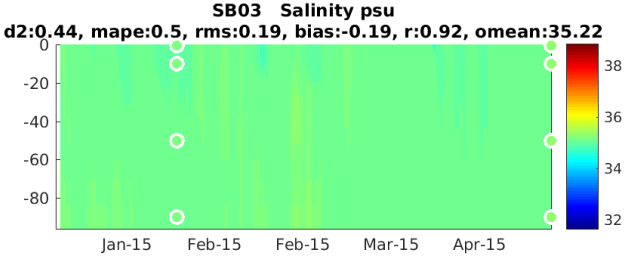

SB07 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.6

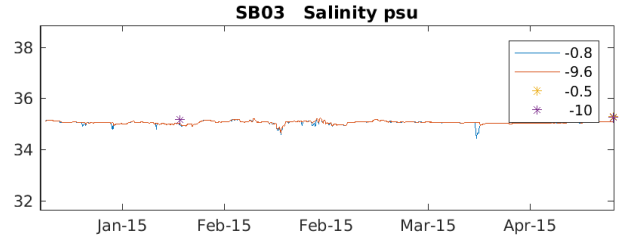

SB03 Chla mg/m3
d2:0.55, mape:70.1, rms:0.24, bias:0.11, r:0.99, omean:0.54
0
-20
-40
-60
-80
0.8
0.6
0.4
0.2
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

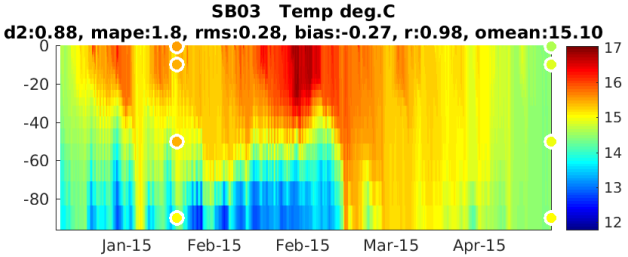

SB03 Chla mg/m3
0.8
0.6
0.4
0.2
-1.3
-9.6
-1
-10
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

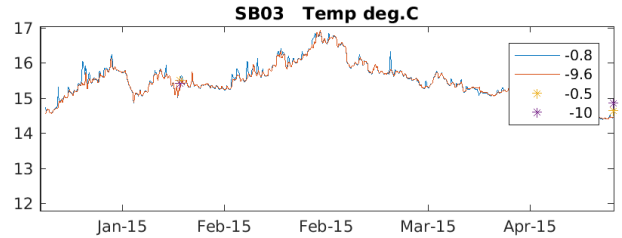

SB03 Oxygen mg/m3
d2:0.49, mape:4.9, rms:414.87, bias:369.36, r:0.78, omean:7710.25
0
-20
-40
-60
-80
9000
8500
8000
7500
7000
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

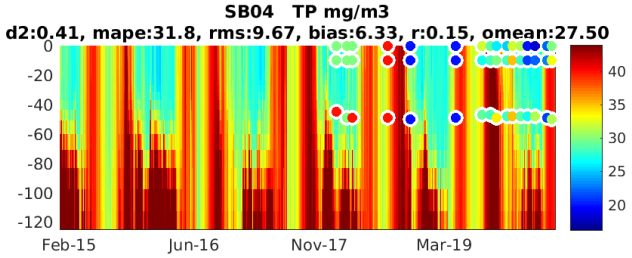

SB03 Oxygen mg/m3
9000
8500
8000
7500
7000
-0.8
-9.6
-0.5
-10
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

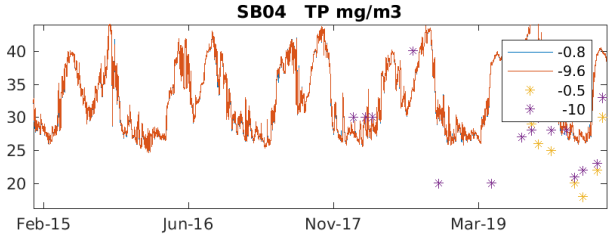

SB03 Salinity psu
d2:0.44, mape:0.5, rms:0.19, bias:-0.19, r:0.92, omean:35.22
0
-20
-40
-60
-80
38
36
34
32
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

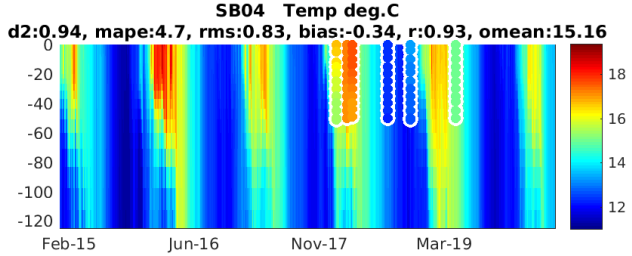

SB03 Salinity psu
38
36
34
32
-0.8
-9.6
-0.5
-10
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

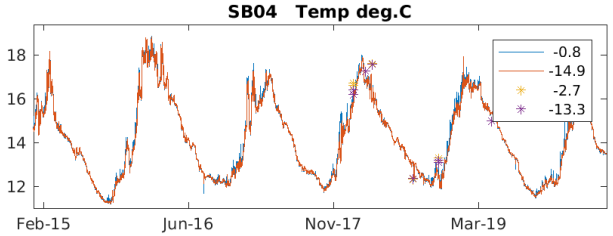

SB03 Temp deg.C
d2:0.88, mape:1.8, rms:0.28, bias:-0.27, r:0.98, omean:15.10
0
-20
-40
-60
-80
17
16
15
14
13
12
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

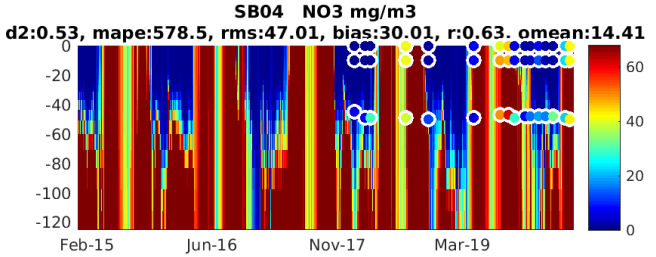

SB03 Temp deg.C
17
16
15
14
13
12
-0.8
-9.6
-0.5
-10
Jan-15
Feb-15
Feb-15
Mar-15
Apr-15

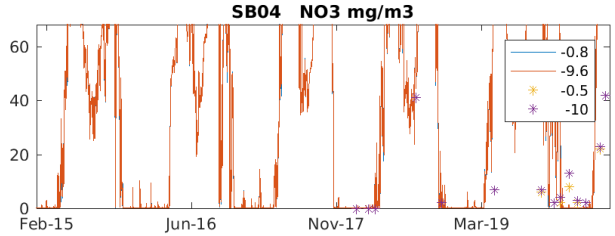

SB04 TP mg/m3
d2:0.41, mape:31.8, rms:9.67, bias:6.33, r:0.15, omean:27.50
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
40
35
30
25
20

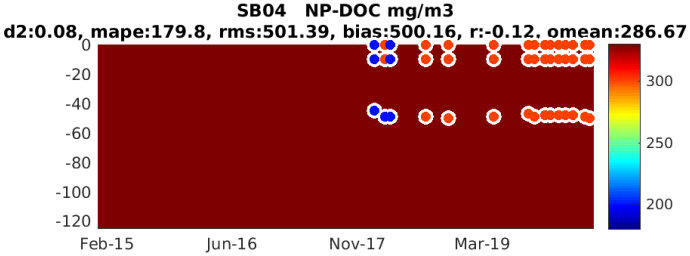

SB04 TP mg/m3
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

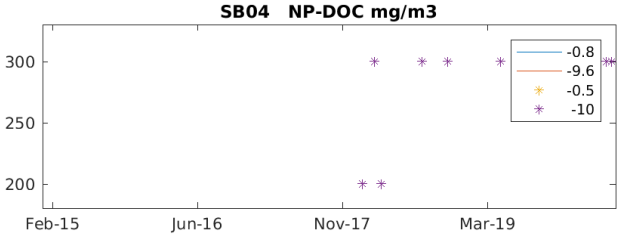

SB04 Temp deg.C
d2:0.94, mape:4.7, rms:0.83, bias:-0.34, r:0.93, omean:15.16
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
18
16
14
12

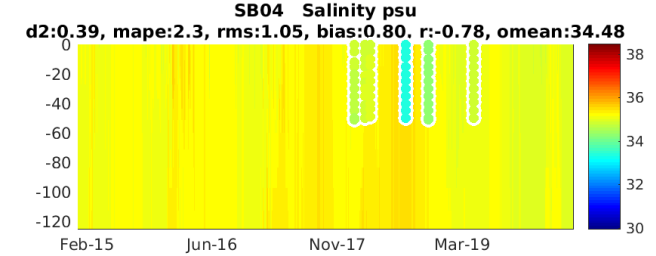

SB04 Temp deg.C
18
16
14
12
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-2.7
-13.3

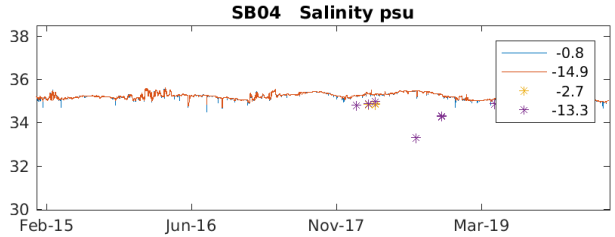

SB04 NO3 mg/m3
d2:0.53, mape:578.5, rms:47.01, bias:30.01, r:0.63. omean:14.41
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

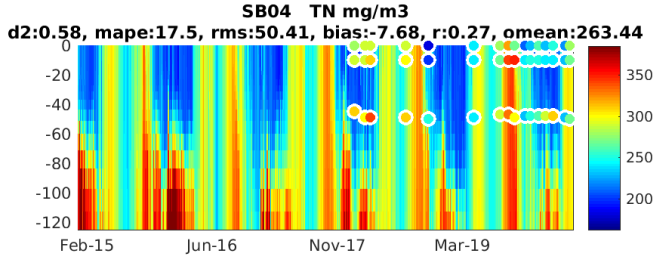

SB04 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

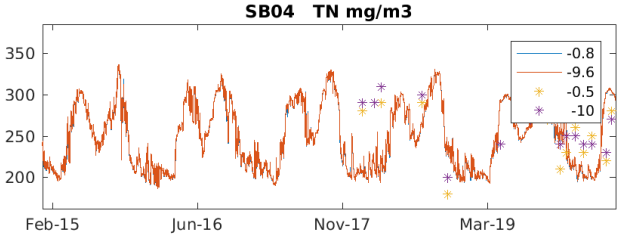

SB04 NP-DOC mg/m3
d2:0.08, mape:179.8, rms:501.39, bias:500.16, r:-0.12. omean:286.67
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
300
250
200

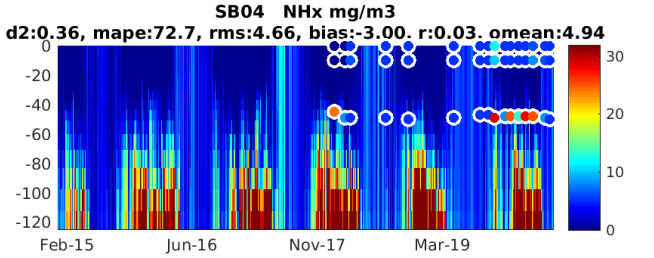

SB04 NP-DOC mg/m3
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

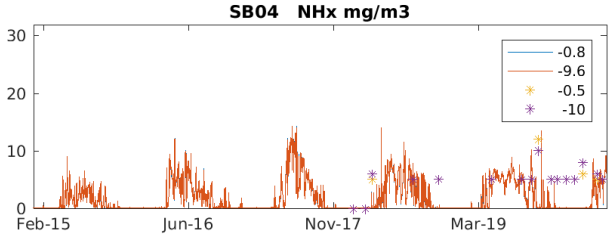

SB04 Salinity psu
d2:0.39, mape:2.3, rms:1.05, bias:0.80. r:-0.78, omean:34.48
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

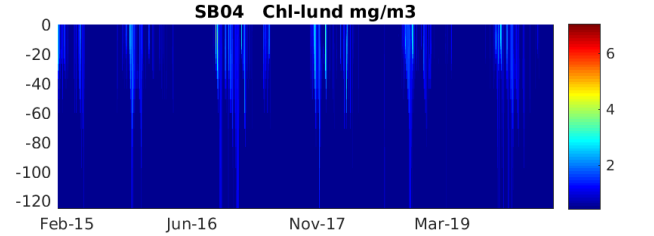

SB04 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-2.7
-13.3

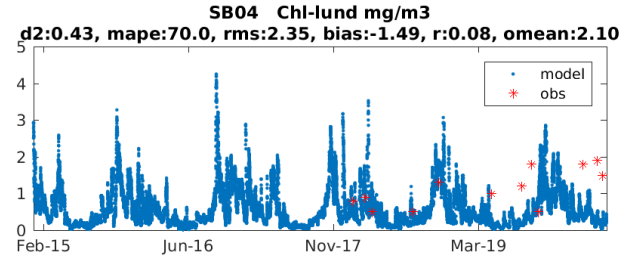

SB04 TN mg/m3
d2:0.58, mape:17.5, rms:50.41, bias:-7.68, r:0.27, omean:263.44
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
350
300
250
200

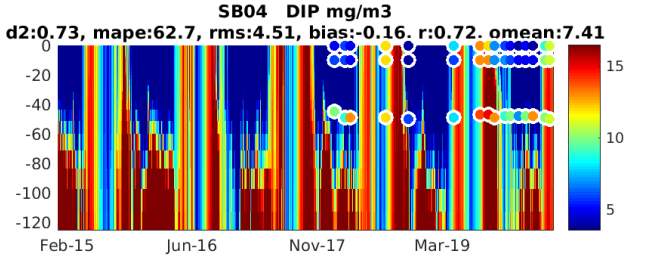

SB04 TN mg/m3
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

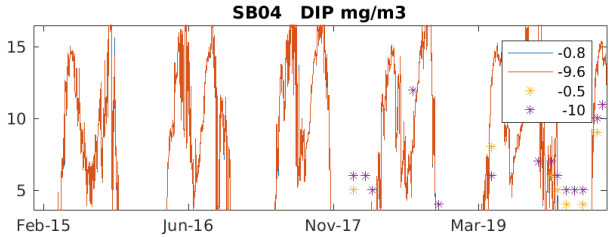

SB04 NHx mg/m3
d2:0.36, mape:72.7, rms:4.66, bias:-3.00. r:0.03. omean:4.94
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

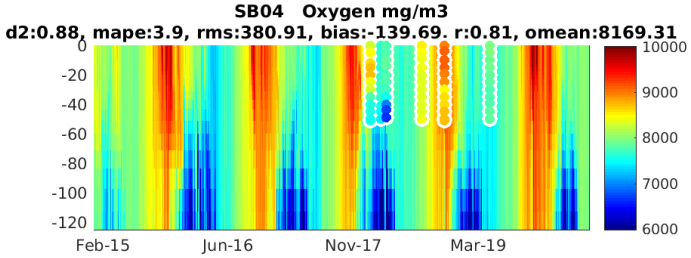

SB04 NHx mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

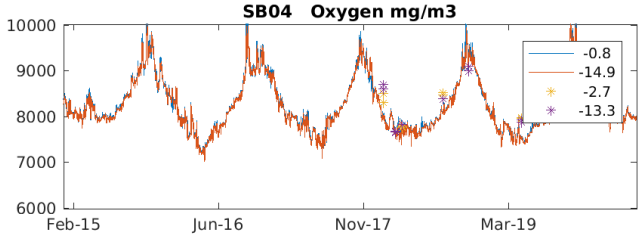

SB04 Chl-lund mg/m3
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
6
4
2

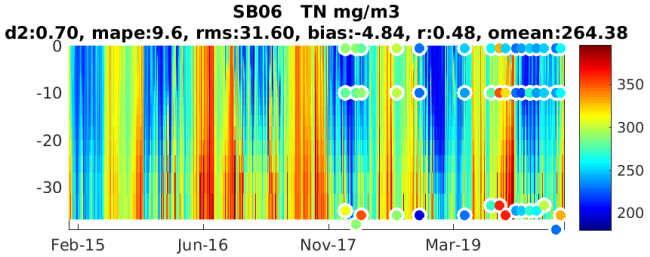

SB04 Chl-lund mg/m3
d2:0.43, mape:70.0, rms:2.35, bias:-1.49, r:0.08, omean:2.10
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

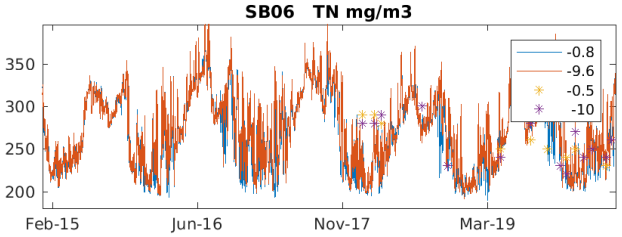

SB04 DIP mg/m3
d2:0.73, mape:62.7, rms:4.51, bias:-0.16. r:0.72. omean:7.41
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5

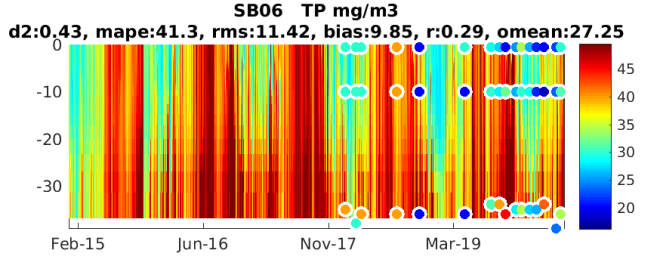

SB04 DIP mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

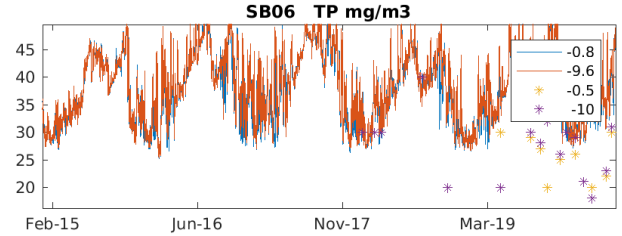

SB04 Oxygen mg/m3
d2:0.88, mape:3.9, rms:380.91, bias:-139.69. r:0.81, omean:8169.31
0
-20
-40
-60
-80
-100
-120
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

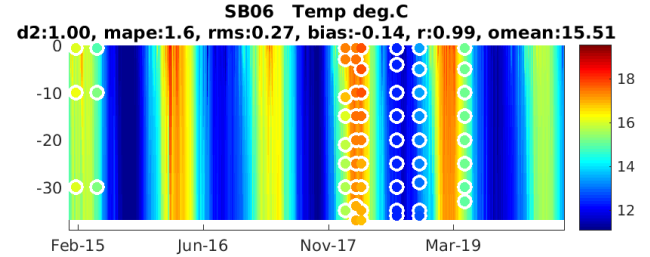

SB04 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-2.7
-13.3

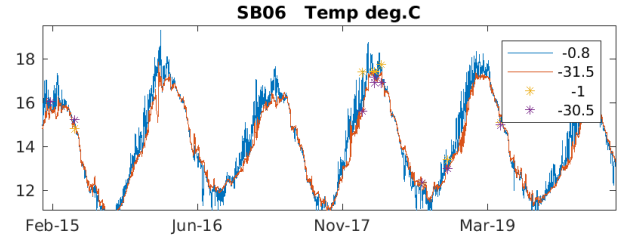

SB06 TN mg/m3
d2:0.70, mape:9.6, rms:31.60, bias:-4.84, r:0.48, omean:264.38
0
-10
-20
-30
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19

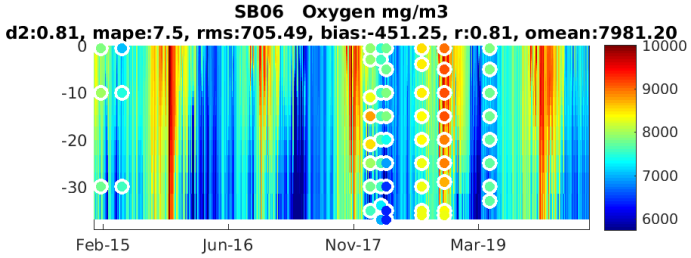

SB06 TN mg/m3
350
300
250
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

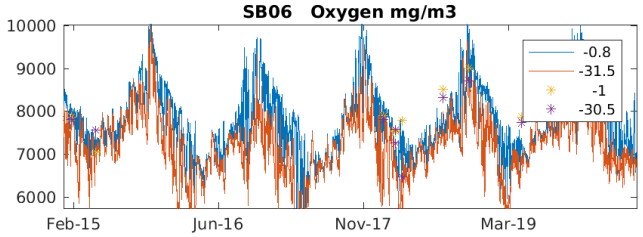

SB06 TP mg/m3
d2:0.43, mape:41.3, rms:11.42, bias:9.85, r:0.29, omean:27.25
0
-10
-20
-30
45
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19

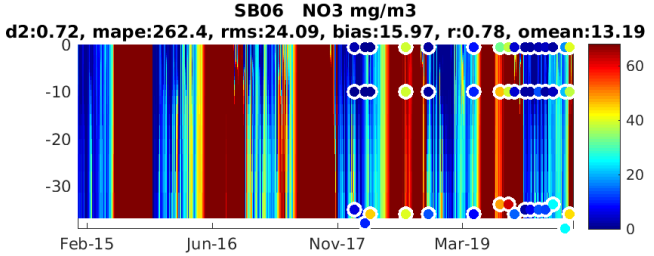

SB06 TP mg/m3
45
40
35
30
25
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

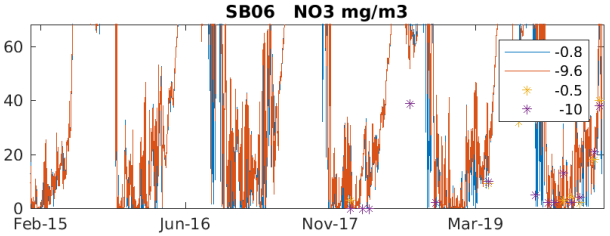

SB06 Temp deg.C
d2:1.00, mape:1.6, rms:0.27, bias:-0.14, r:0.99, omean:15.51
0
-10
-20
-30
18
16
14
12
Feb-15
Jun-16
Nov-17
Mar-19

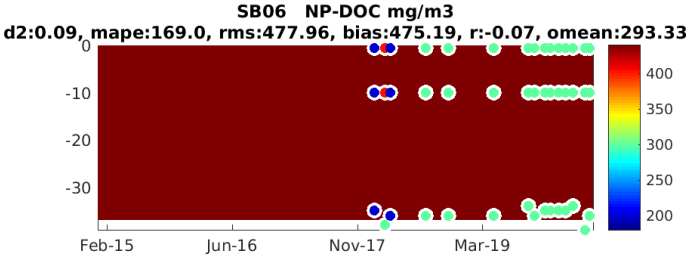

SB06 Temp deg.C
18
16
14
12
-0.8
-31.5
-1
-30.5
Feb-15
Jun-16
Nov-17
Mar-19

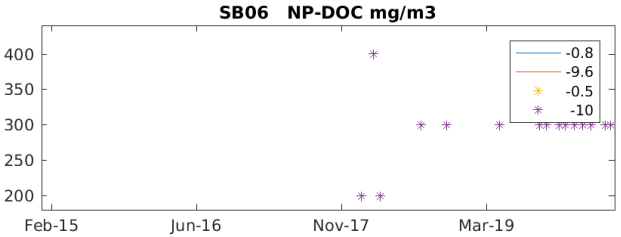

SB06 Oxygen mg/m3
d2:0.81, mape:7.5, rms:705.49, bias:-451.25, r:0.81, omean:7981.20
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

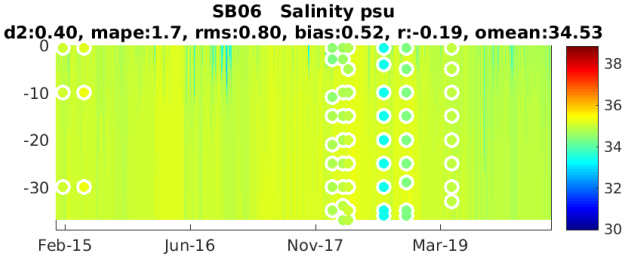

SB06 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-1
-30.5

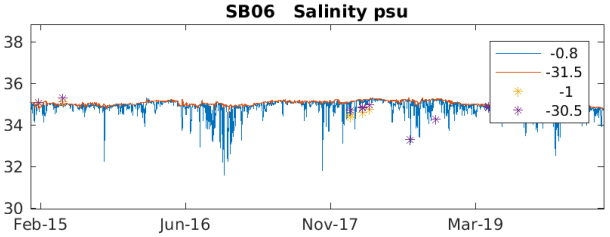

SB06 NO3 mg/m3
d2:0.72, mape:262.4, rms:24.09, bias:15.97, r:0.78, omean:13.19
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

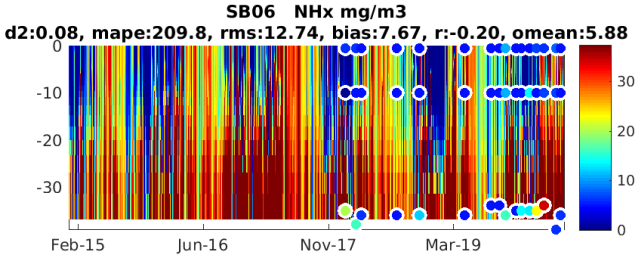

SB06 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

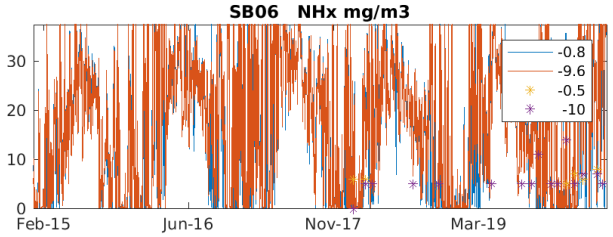

SB06 NP-DOC mg/m3
d2:0.09, mape:169.0, rms:477.96, bias:475.19, r:-0.07, omean:293.33
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200

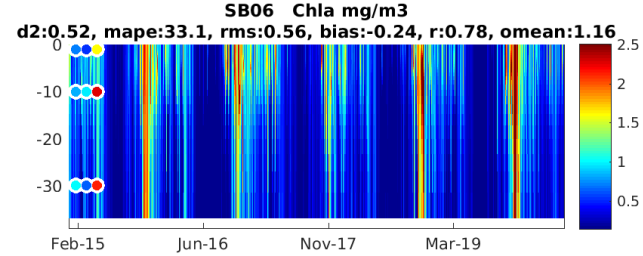

SB06 NP-DOC mg/m3
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

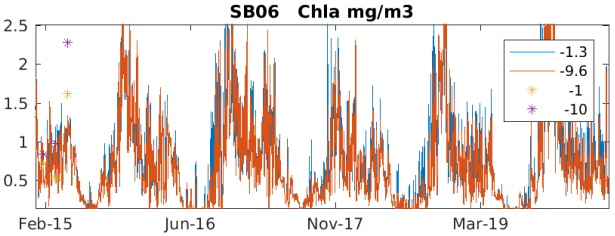

SB06 Salinity psu
d2:0.40, mape:1.7, rms:0.80, bias:0.52, r:-0.19, omean:34.53
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

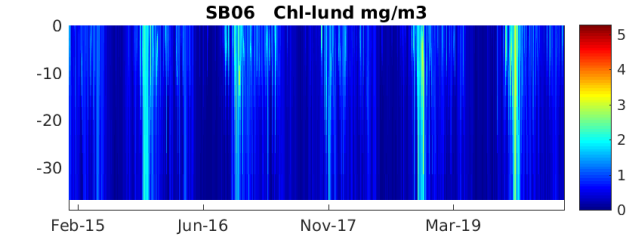

SB06 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-1
-30.5

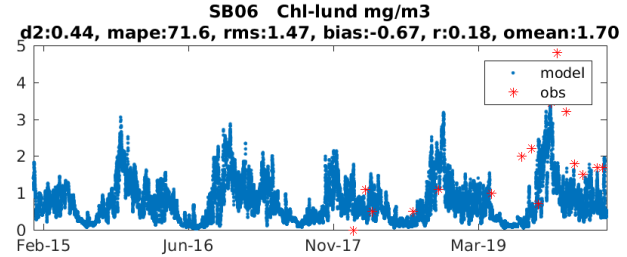

SB06 NHx mg/m3
d2:0.08, mape:209.8, rms:12.74, bias:7.67, r:-0.20, omean:5.88
0
-10
-20
-30
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

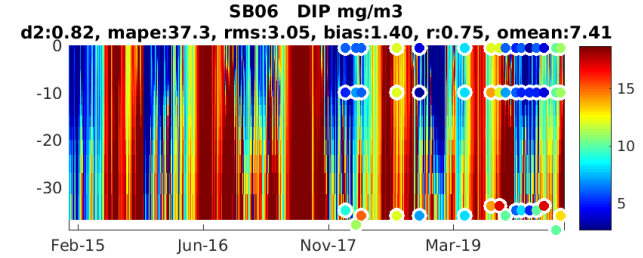

SB06 NHx mg/m3
30
20
10
0
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

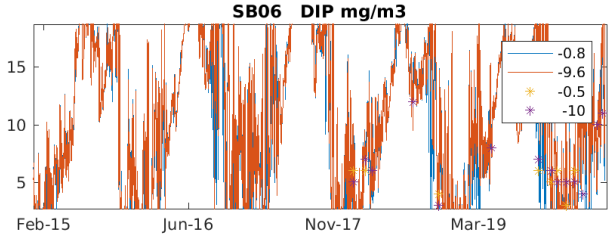

SB06 Chla mg/m3
d2:0.52, mape:33.1, rms:0.56, bias:-0.24, r:0.78, omean:1.16
0
-10
-20
-30
2.5
2
1.5
1
0.5
Feb-15
Jun-16
Nov-17
Mar-19

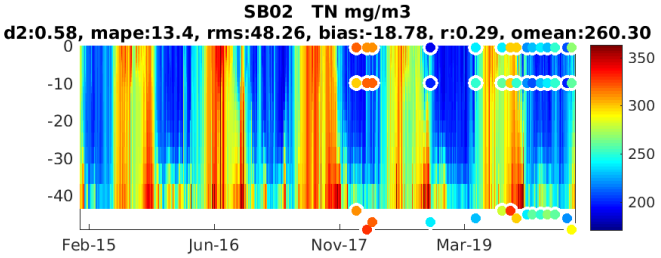

SB06 Chla mg/m3
2.5
2
1.5
1
0.5
-1.3
-9.6
-1
-10
Feb-15
Jun-16
Nov-17
Mar-19

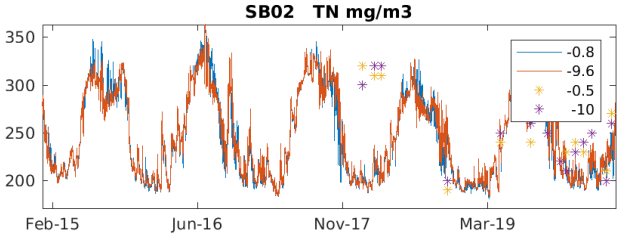

SB06 Chl-lund mg/m3
0
-10
-20
-30
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19

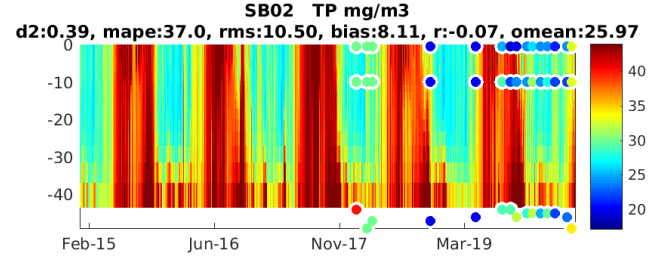

SB06 Chl-lund mg/m3
d2:0.44, mape:71.6, rms:1.47, bias:-0.67, r:0.18, omean:1.70
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

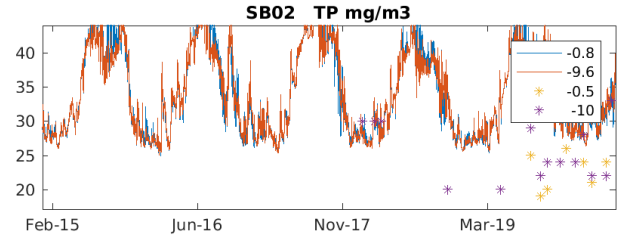

SB06 DIP mg/m3
d2:0.82, mape:37.3, rms:3.05, bias:1.40, r:0.75, omean:7.41
0
-10
-20
-30
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

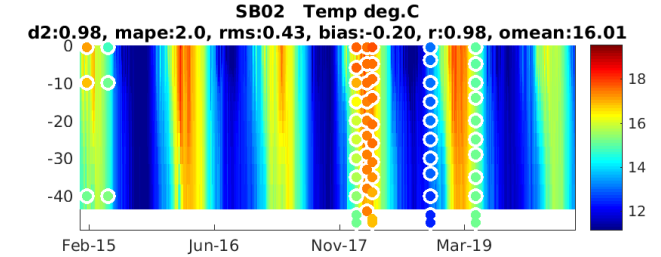

SB06 DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

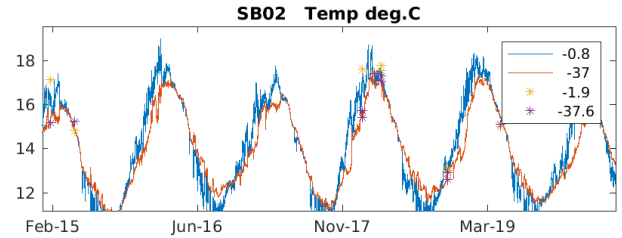

SB02 TN mg/m3
d2:0.58, mape:13.4, rms:48.26, bias:-18.78, r:0.29, omean:260.30
0
-10
-20
-30
-40
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19

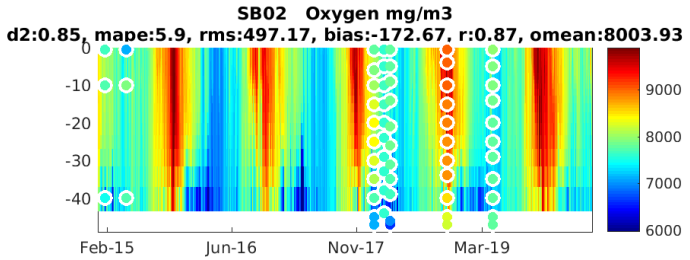

SB02 TN mg/m3
350
300
250
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

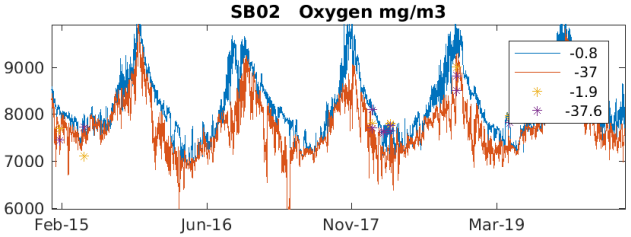

SB02 TP mg/m3
d2:0.39, mape:37.0, rms:10.50, bias:8.11, r:-0.07, omean:25.97
0
-10
-20
-30
-40
40
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19

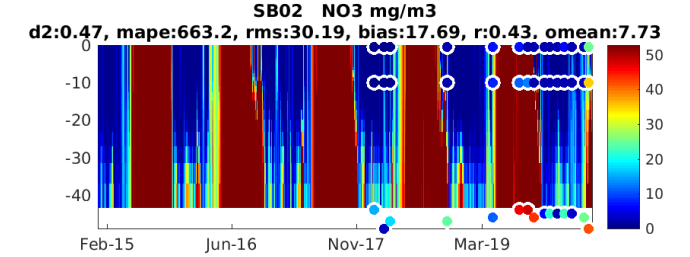

SB02 TP mg/m3
40
35
30
25
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

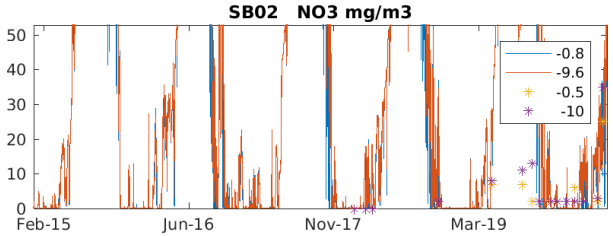

SB02 Temp deg.C
d2:0.98, mape:2.0, rms:0.43, bias:-0.20, r:0.98, omean:16.01
0
-10
-20
-30
-40
18
16
14
12
Feb-15
Jun-16
Nov-17
Mar-19

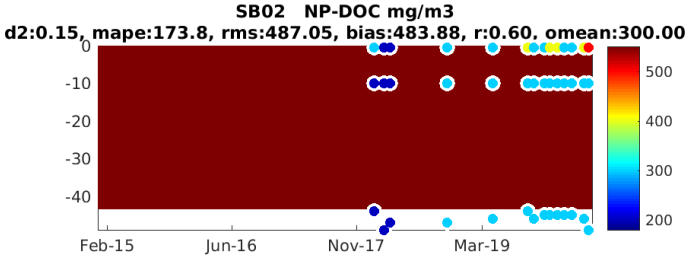

SB02 Temp deg.C
18
16
14
12
-0.8
-37
-1.9
-37.6
Feb-15
Jun-16
Nov-17
Mar-19

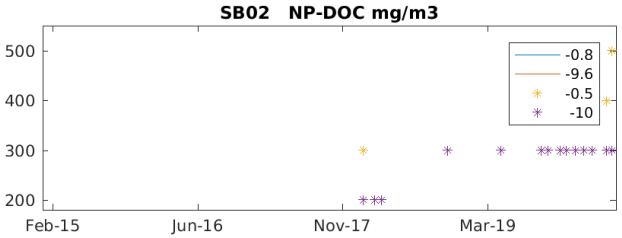

SB02 Oxygen mg/m3
d2:0.85, mape:5.9, rms:497.17, bias:-172.67, r:0.87, omean:8003.93
0
-10
-20
-30
-40
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19

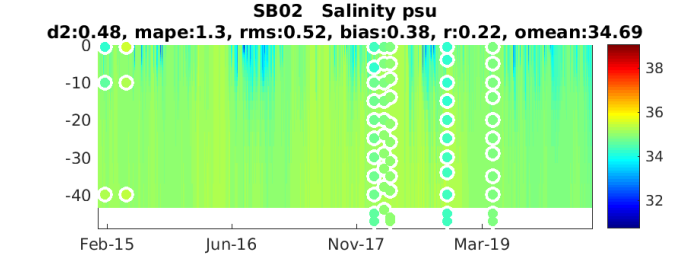

SB02 Oxygen mg/m3
9000
8000
7000
6000
-0.8
-37
-1.9
-37.6
Feb-15
Jun-16
Nov-17
Mar-19

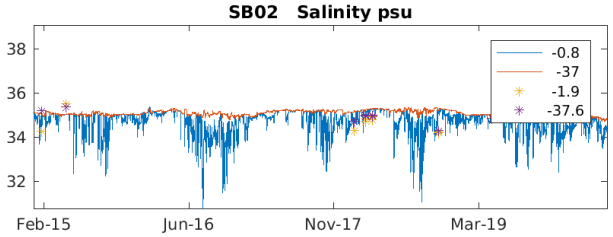

SB02 NO3 mg/m3
d2:0.47, mape:663.2, rms:30.19, bias:17.69, r:0.43, omean:7.73
0
-10
-20
-30
-40
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

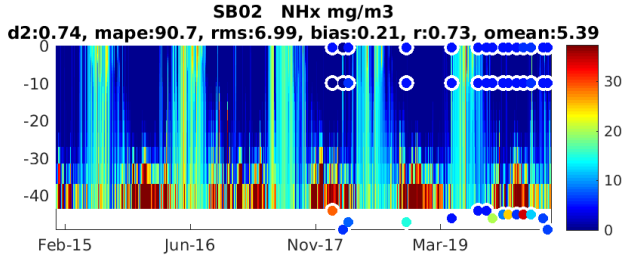

SB02 NO3 mg/m3
50
40
30
20
10
0
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

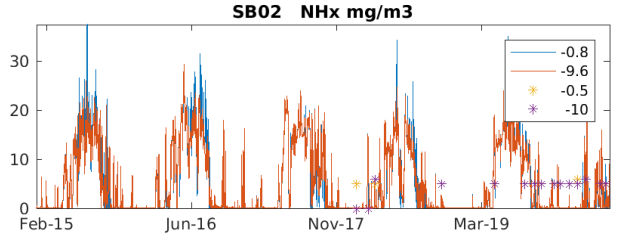

SB02 NP-DOC mg/m3
d2:0.15, mape:173.8, rms:487.05, bias:483.88, r:0.60, omean:300.00
0
-10
-20
-30
-40
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19

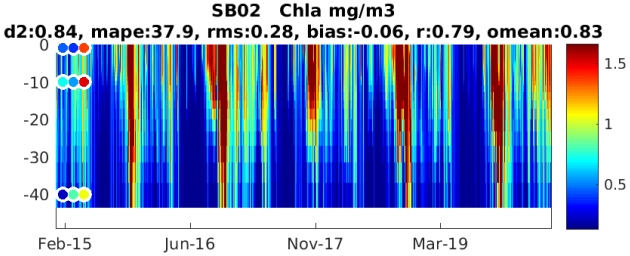

SB02 NP-DOC mg/m3
500
400
300
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

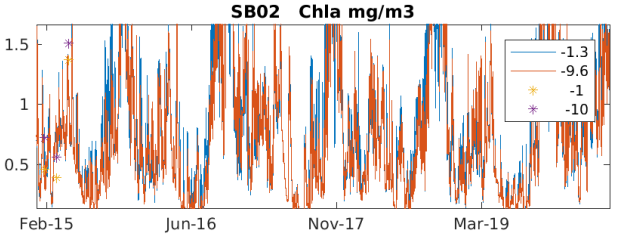

SB02 Salinity psu
d2:0.48, mape:1.3, rms:0.52, bias:0.38, r:0.22, omean:34.69
0
-10
-20
-30
-40
38
36
34
32
Feb-15
Jun-16
Nov-17
Mar-19

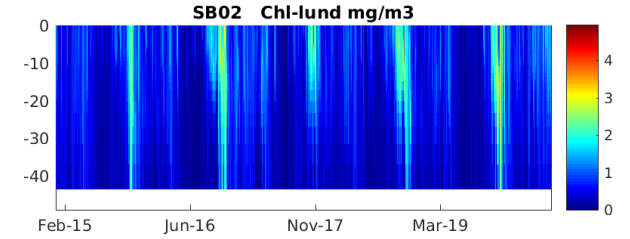

SB02 Salinity psu
38
36
34
32
-0.8
-37
-1.9
-37.6
Feb-15
Jun-16
Nov-17
Mar-19

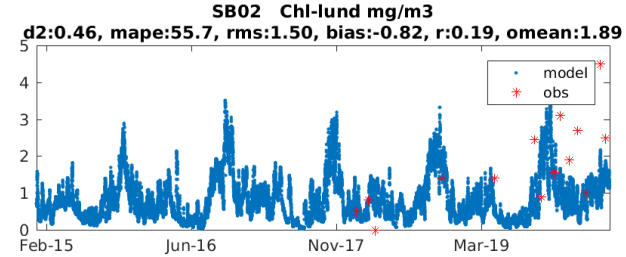

SB02 NHx mg/m3
d2:0.74, mape:90.7, rms:6.99, bias:0.21, r:0.73, omean:5.39
0
-10
-20
-30
-40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

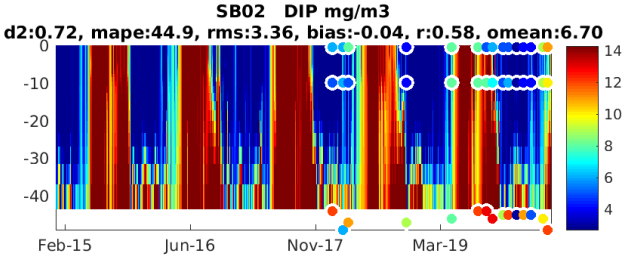

SB02 NHx mg/m3
30
20
10
0
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

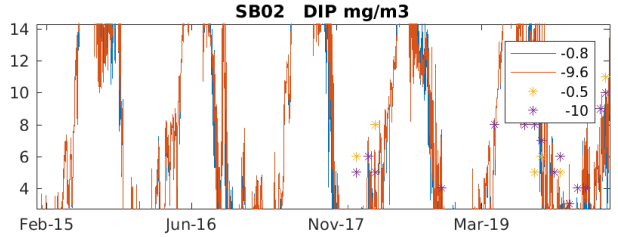

SB02 Chla mg/m3
d2:0.84, mape:37.9, rms:0.28, bias:-0.06, r:0.79, omean:0.83
0
-10
-20
-30
-40
1.5
1
0.5
Feb-15
Jun-16
Nov-17
Mar-19

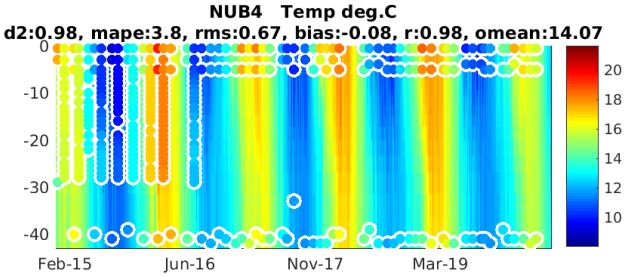

SB02 Chla mg/m3
1.5
1
0.5
-1.3
-9.6
-1
-10
Feb-15
Jun-16
Nov-17
Mar-19

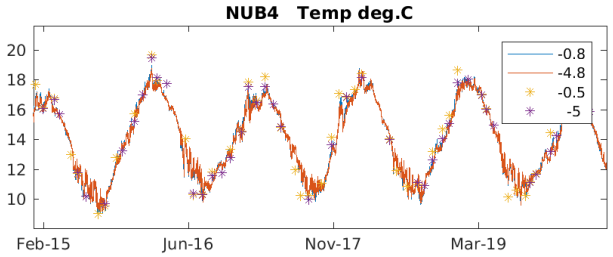

SB02 Chl-lund mg/m3
0
-10
-20
-30
-40
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19

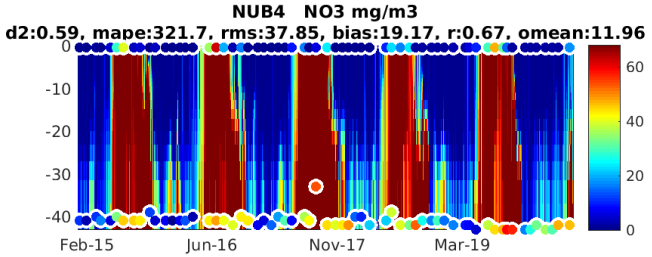

SB02 Chl-lund mg/m3
d2:0.46, mape:55.7, rms:1.50, bias:-0.82, r:0.19, omean:1.89
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

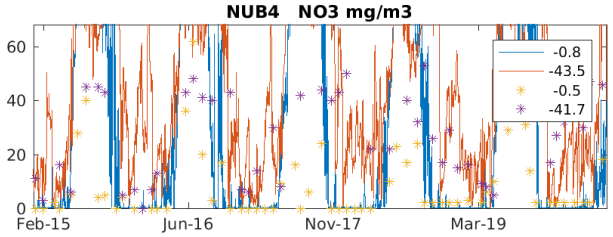

SB02 DIP mg/m3
d2:0.72, mape:44.9, rms:3.36, bias:-0.04, r:0.58, omean:6.70
0
-10
-20
-30
-40
14
12
10
8
6
4
Feb-15
Jun-16
Nov-17
Mar-19

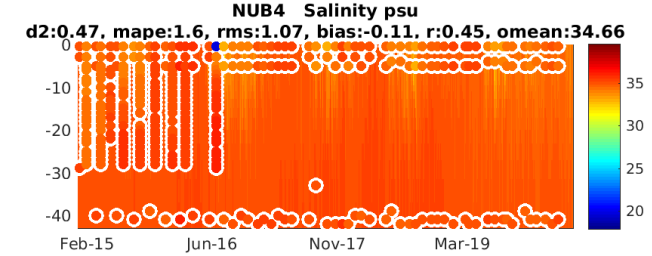

SB02 DIP mg/m3
14
12
10
8
6
4
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

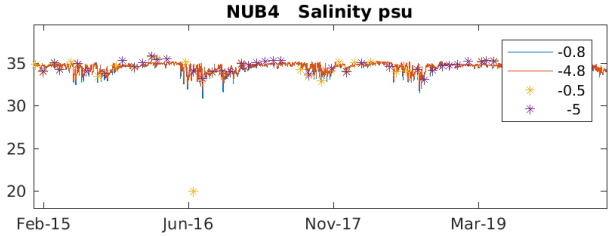

NUB4 Temp deg.C
d2:0.98, mape:3.8, rms:0.67, bias:-0.08, r:0.98, omean:14.07
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
20
18
16
14
12
10

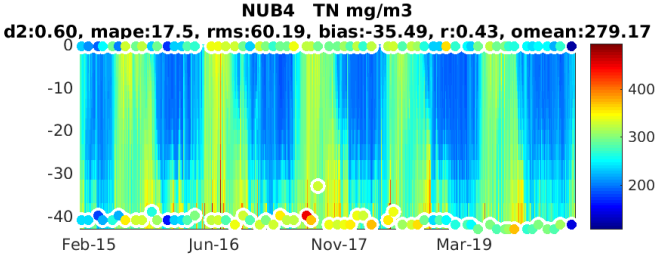

NUB4 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

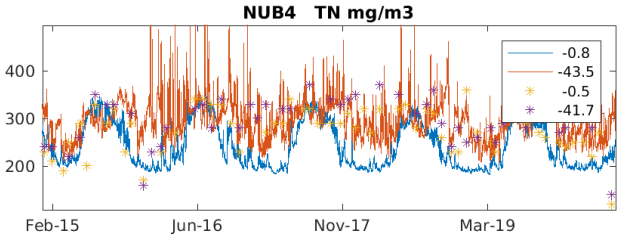

NUB4 NO3 mg/m3
d2:0.59, mape:321.7, rms:37.85, bias:19.17, r:0.67, omean:11.96
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

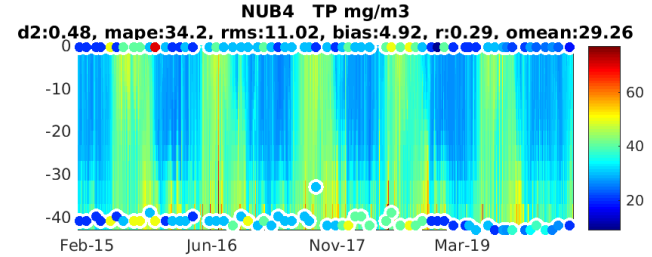

NUB4 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-43.5
-0.5
-41.7

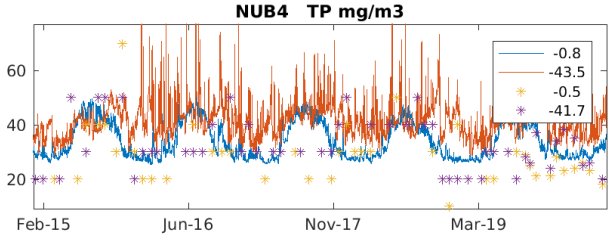

NUB4 Salinity psu
d2:0.47, mape:1.6, rms:1.07, bias:-0.11, r:0.45, omean:34.66
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20

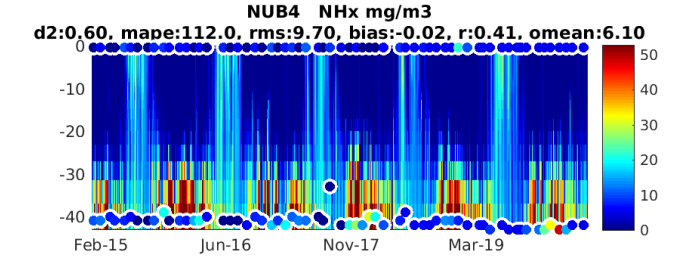

NUB4 Salinity psu
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

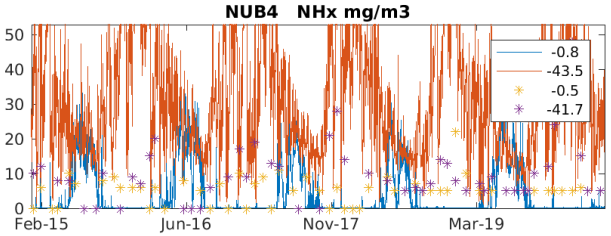

NUB4 TN mg/m3
d2:0.60, mape:17.5, rms:60.19, bias:-35.49, r:0.43, omean:279.17
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200

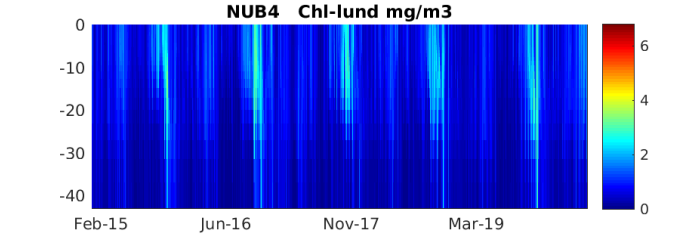

NUB4 TN mg/m3
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-43.5
-0.5
-41.7

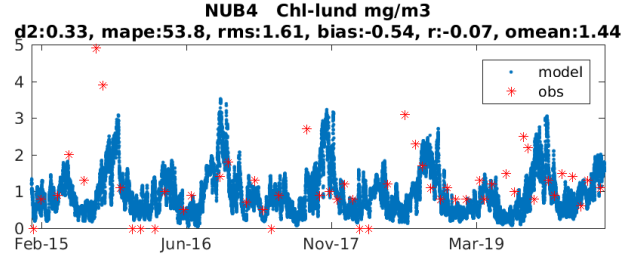

NUB4 TP mg/m3
d2:0.48, mape:34.2, rms:11.02, bias:4.92, r:0.29, omean:29.26
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

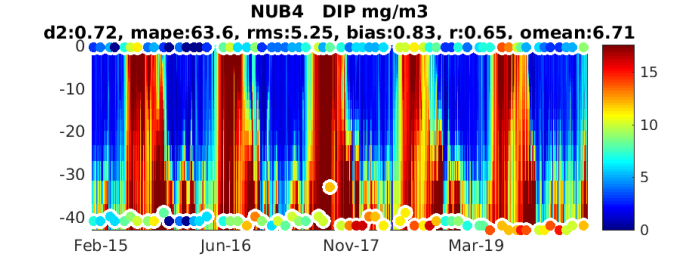

NUB4 TP mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-43.5
-0.5
-41.7

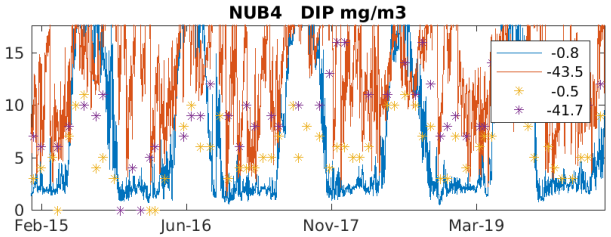

NUB4 NHx mg/m3
d2:0.60, mape:112.0, rms:9.70, bias:-0.02, r:0.41, omean:6.10
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

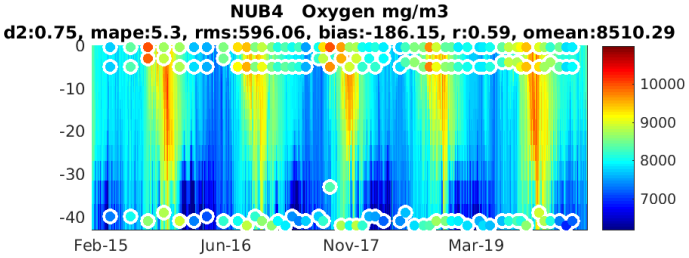

NUB4 NHx mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-43.5
-0.5
-41.7

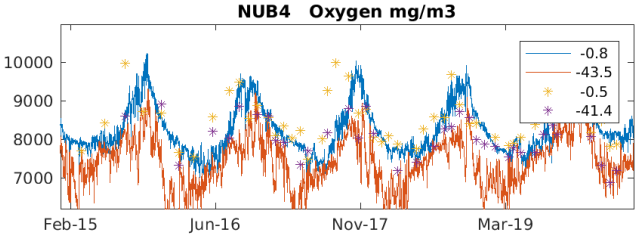

NUB4 Chl-lund mg/m3
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
6
4
2
0

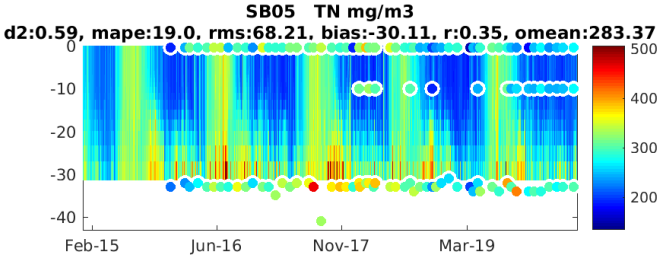

NUB4 Chl-lund mg/m3
d2:0.33, mape:53.8, rms:1.61, bias:-0.54, r:-0.07, omean:1.44
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

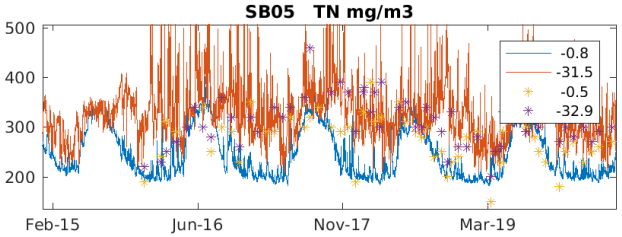

NUB4 DIP mg/m3
d2:0.72, mape:63.6, rms:5.25, bias:0.83, r:0.65, omean:6.71
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

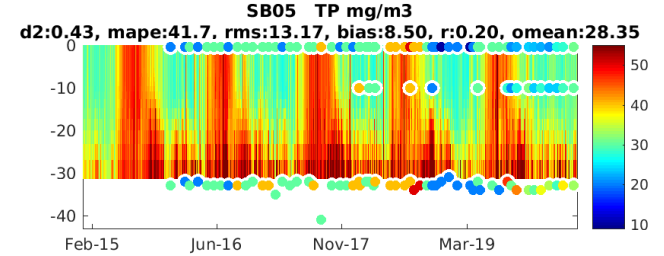

NUB4 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-43.5
-0.5
-41.7

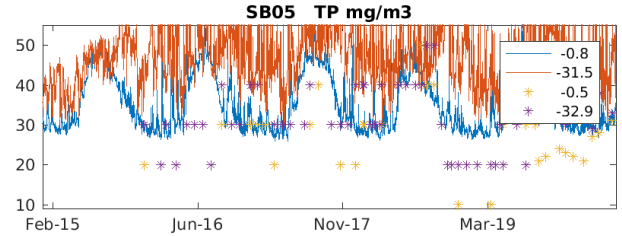

NUB4 Oxygen mg/m3
d2:0.75, mape:5.3, rms:596.06, bias:-186.15, r:0.59, omean:8510.29
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

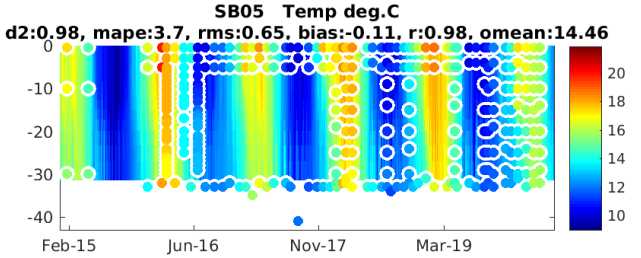

NUB4 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-43.5
-0.5
-41.4

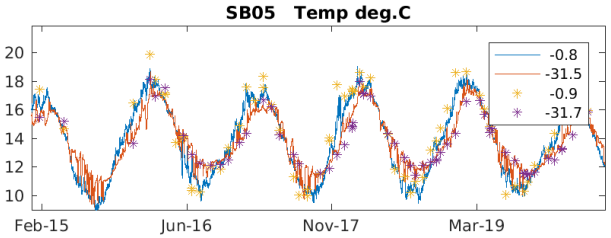

SB05 TN mg/m3
d2:0.59, mape:19.0, rms:68.21, bias:-30.11, r:0.35, omean:283.37
0
-10
-20
-30
-40
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19

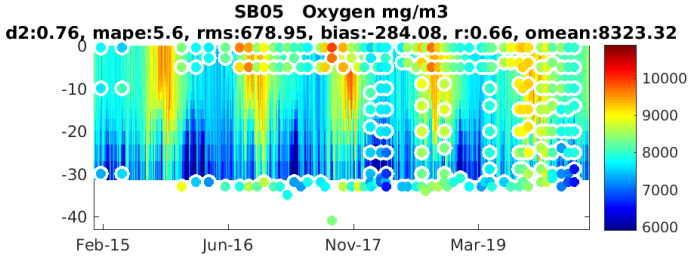

SB05 TN mg/m3
500
400
300
200
-0.8
-31.5
-0.5
-32.9
Feb-15
Jun-16
Nov-17
Mar-19

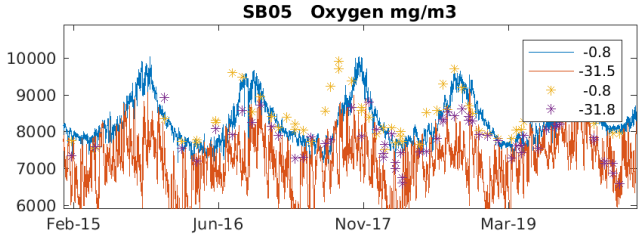

SB05 TP mg/m3
d2:0.43, mape:41.7, rms:13.17, bias:8.50, r:0.20, omean:28.35
0
-10
-20
-30
-40
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

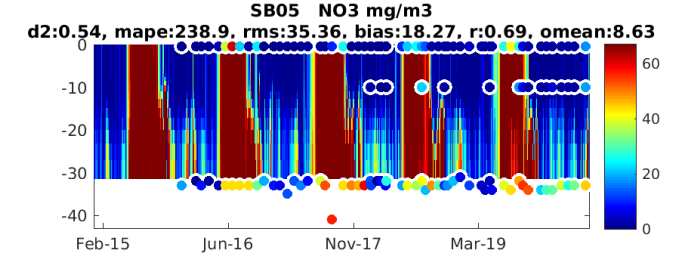

SB05 TP mg/m3
50
40
30
20
10
-0.8
-31.5
-0.5
-32.9
Feb-15
Jun-16
Nov-17
Mar-19

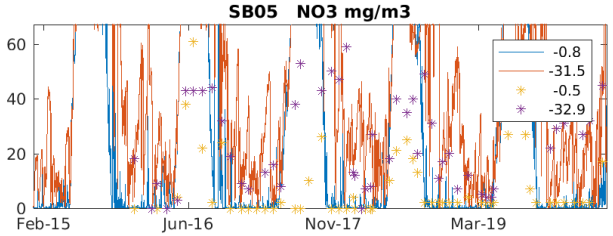

SB05 Temp deg.C
d2:0.98, mape:3.7, rms:0.65, bias:-0.11, r:0.98, omean:14.46
0
-10
-20
-30
-40
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19

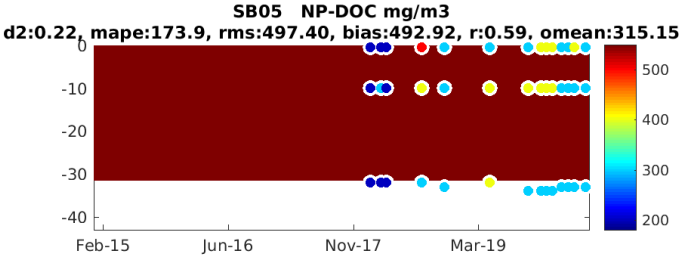

SB05 Temp deg.C
20
18
16
14
12
10
-0.8
-31.5
-0.9
-31.7
Feb-15
Jun-16
Nov-17
Mar-19

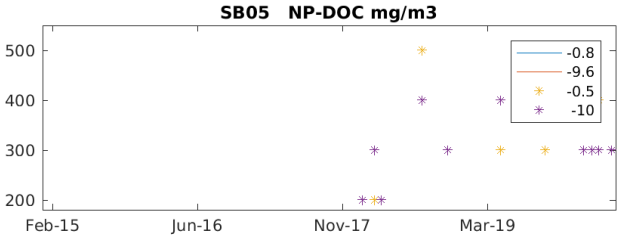

SB05 Oxygen mg/m3
d2:0.76, mape:5.6, rms:678.95, bias:-284.08, r:0.66, omean:8323.32
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

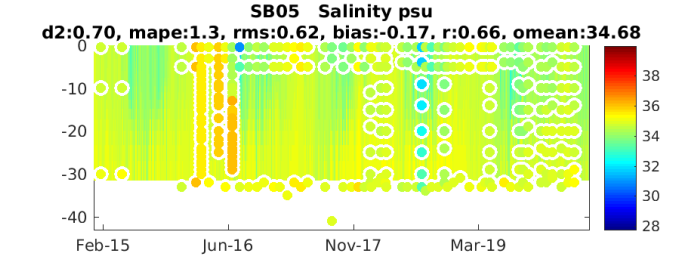

SB05 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.8
-31.8

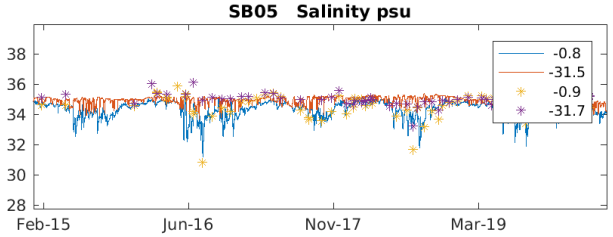

SB05 NO3 mg/m3
d2:0.54, mape:238.9, rms:35.36, bias:18.27, r:0.69, omean:8.63
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

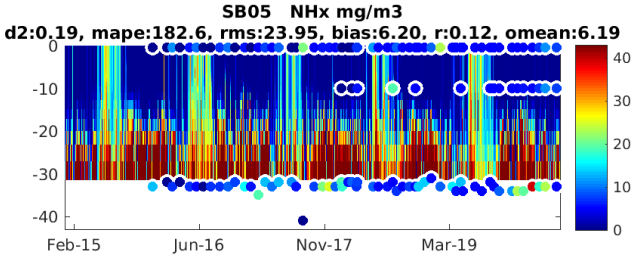

SB05 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.9

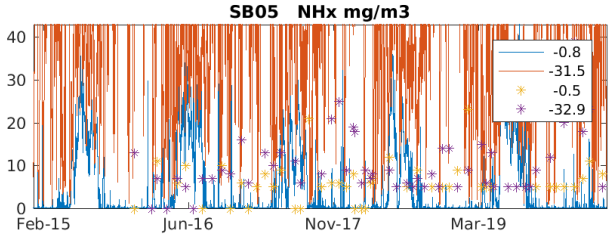

SB05 NP-DOC mg/m3
d2:0.22, mape:173.9, rms:497.40, bias:492.92, r:0.59, omean:315.15
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
500
400
300
200

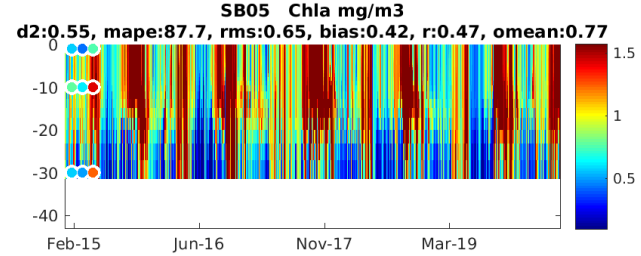

SB05 NP-DOC mg/m3
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

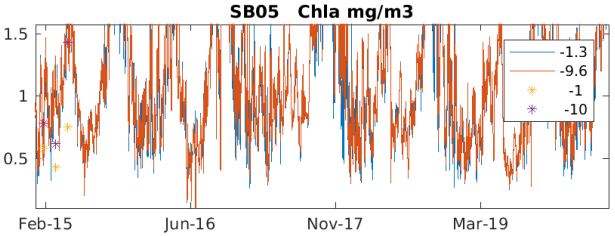

SB05 Salinity psu
d2:0.70, mape:1.3, rms:0.62, bias:-0.17, r:0.66, omean:34.68
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30
28

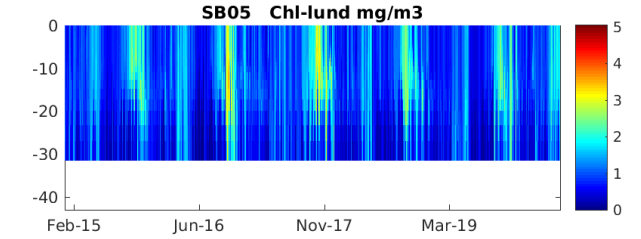

SB05 Salinity psu
38
36
34
32
30
28
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.9
-31.7

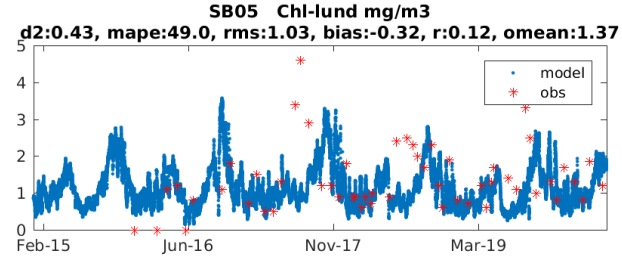

SB05 NHx mg/m3
d2:0.19, mape:182.6, rms:23.95, bias:6.20, r:0.12, omean:6.19
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
40
30
20
10
0

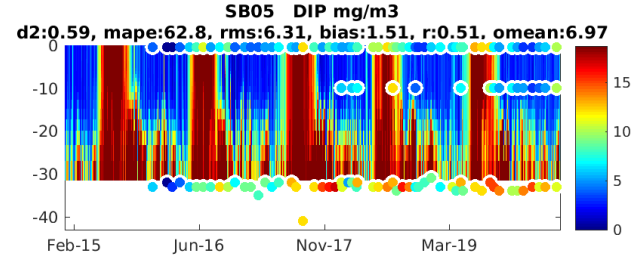

SB05 NHx mg/m3
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.9

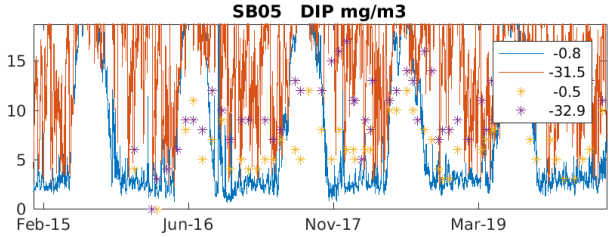

SB05 Chla mg/m3
d2:0.55, mape:87.7, rms:0.65, bias:0.42, r:0.47, omean:0.77
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
1.5
1
0.5

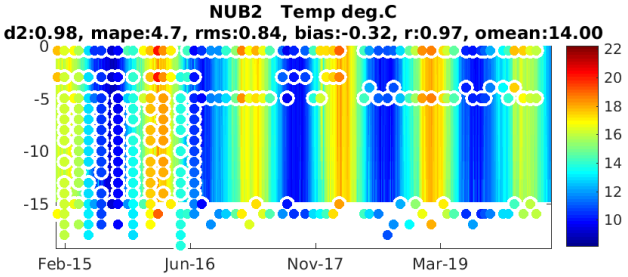

SB05 Chla mg/m3
1.5
1
0.5
Feb-15
Jun-16
Nov-17
Mar-19
-1.3
-9.6
-1
-10

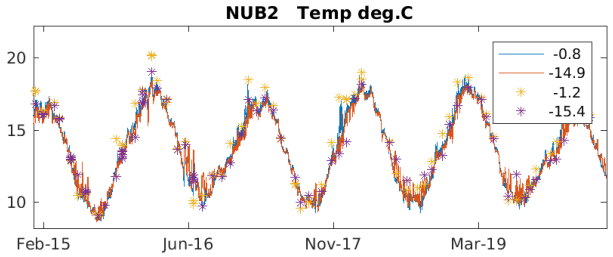

SB05 Chl-lund mg/m3
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
5
4
3
2
1
0

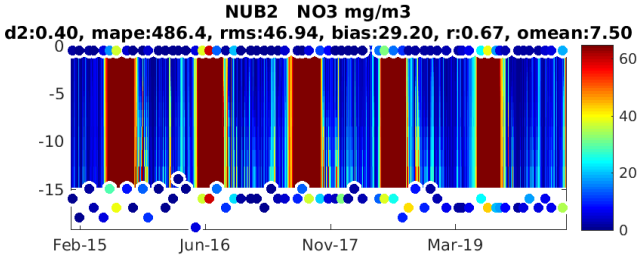

SB05 Chl-lund mg/m3
d2:0.43, mape:49.0, rms:1.03, bias:-0.32, r:0.12, omean:1.37
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

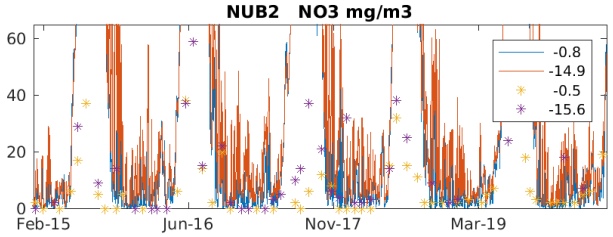

SB05 DIP mg/m3
d2:0.59, mape:62.8, rms:6.31, bias:1.51, r:0.51, omean:6.97
0
-10
-20
-30
-40
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

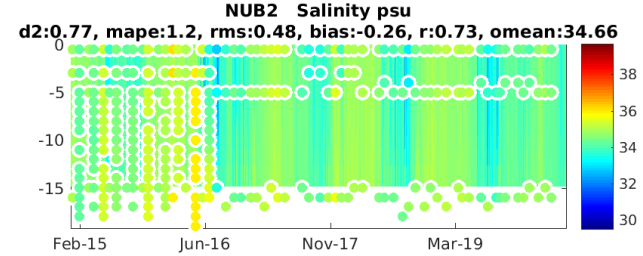

SB05 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.9

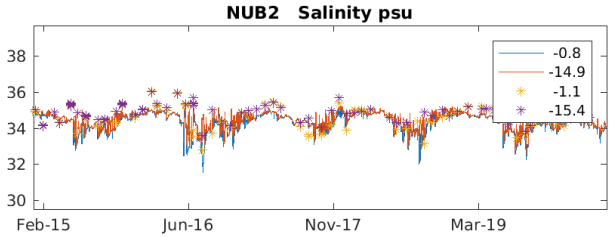

NUB2 Temp deg.C
d2:0.98, mape:4.7, rms:0.84, bias:-0.32, r:0.97, omean:14.00
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

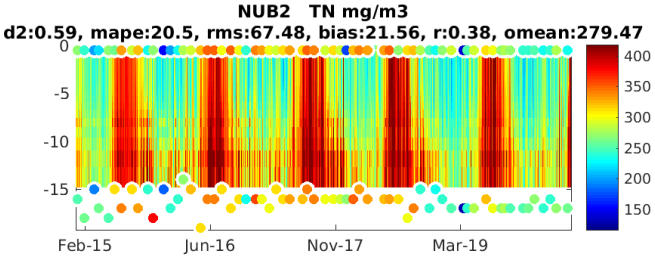

NUB2 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-1.2
-15.4

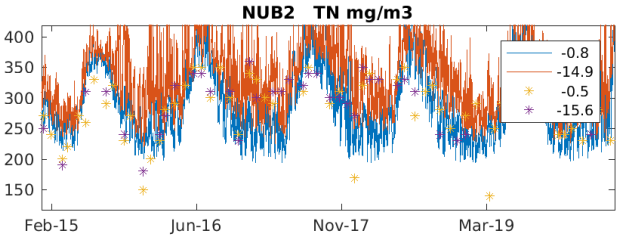

NUB2 NO3 mg/m3
d2:0.40, mape:486.4, rms:46.94, bias:29.20, r:0.67, omean:7.50
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

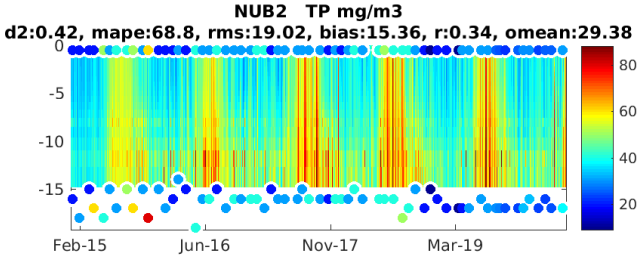

NUB2 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.6

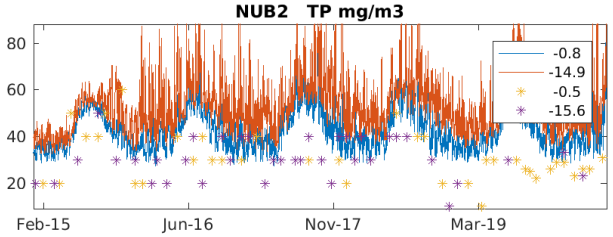

NUB2 Salinity psu
d2:0.77, mape:1.2, rms:0.48, bias:-0.26, r:0.73, omean:34.66
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

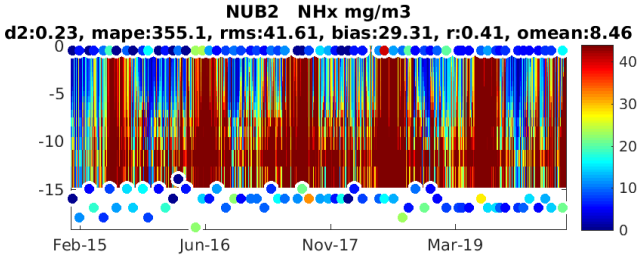

NUB2 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-1.1
-15.4

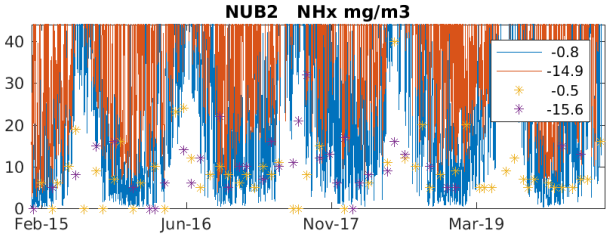

NUB2 TN mg/m3
d2:0.59, mape:20.5, rms:67.48, bias:21.56, r:0.38, omean:279.47
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

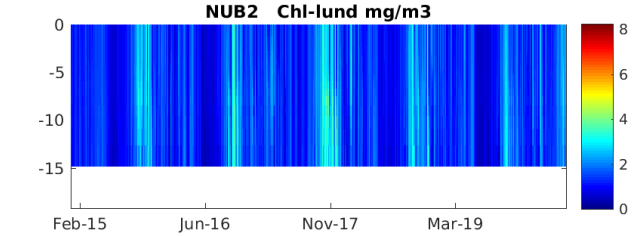

NUB2 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.6

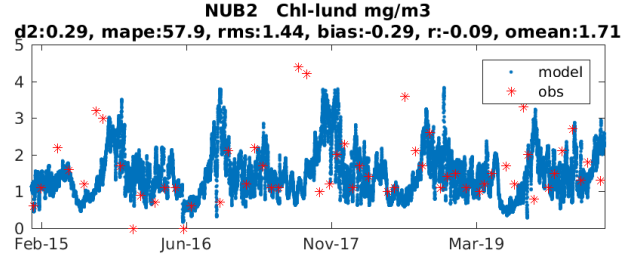

NUB2 TP mg/m3
d2:0.42, mape:68.8, rms:19.02, bias:15.36, r:0.34, omean:29.38
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20

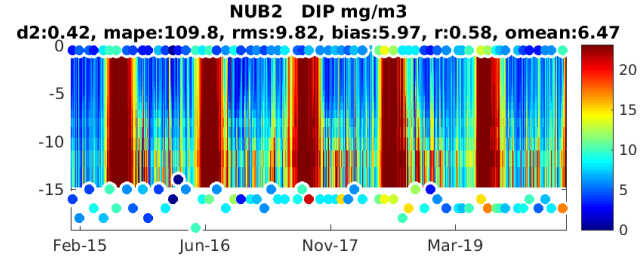

NUB2 TP mg/m3
80
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.6

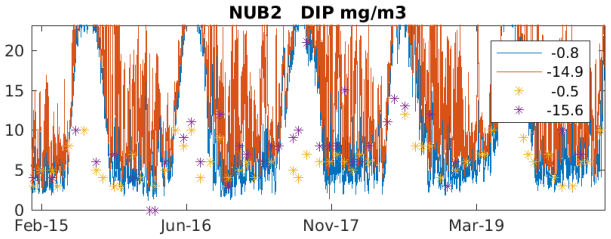

NUB2 NHx mg/m3
d2:0.23, mape:355.1, rms:41.61, bias:29.31, r:0.41, omean:8.46
0
-5
-10
-15
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

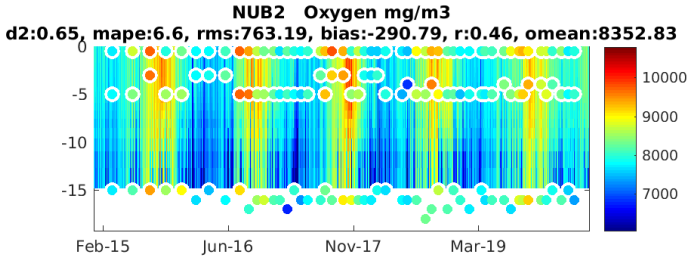

NUB2 NHx mg/m3
40
30
20
10
0
-0.8
-14.9
-0.5
-15.6
Feb-15
Jun-16
Nov-17
Mar-19

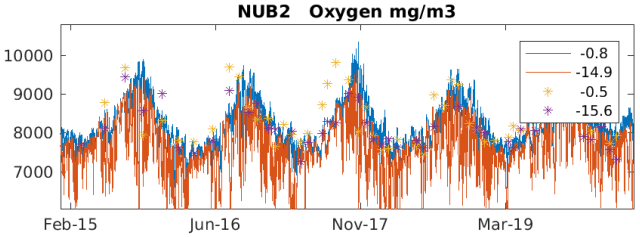

NUB2 Chl-lund mg/m3
0
-5
-10
-15
8
6
4
2
0
Feb-15
Jun-16
Nov-17
Mar-19

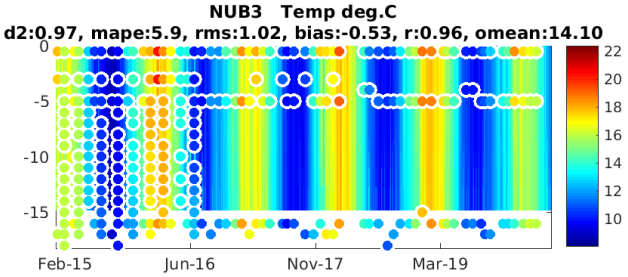

NUB2 Chl-lund mg/m3
d2:0.29, mape:57.9, rms:1.44, bias:-0.29, r:-0.09, omean:1.71
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

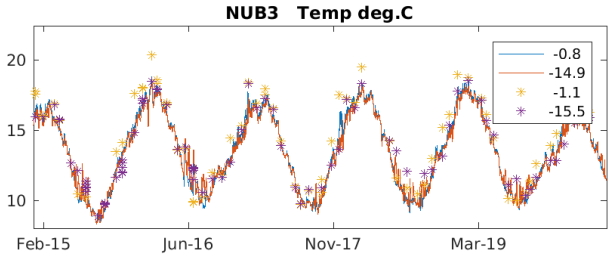

NUB2 DIP mg/m3
d2:0.42, mape:109.8, rms:9.82, bias:5.97, r:0.58, omean:6.47
0
-5
-10
-15
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

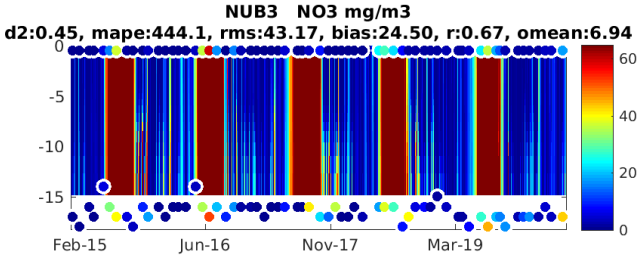

NUB2 DIP mg/m3
20
15
10
5
0
-0.8
-14.9
-0.5
-15.6
Feb-15
Jun-16
Nov-17
Mar-19

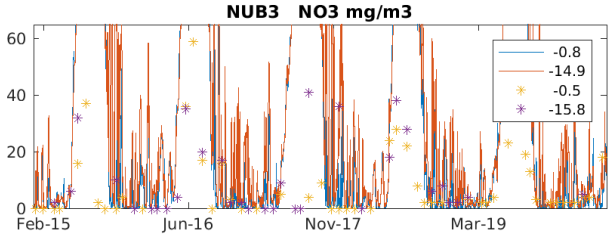

NUB2 Oxygen mg/m3
d2:0.65, mape:6.6, rms:763.19, bias:-290.79, r:0.46, omean:8352.83
0
-5
-10
-15
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19

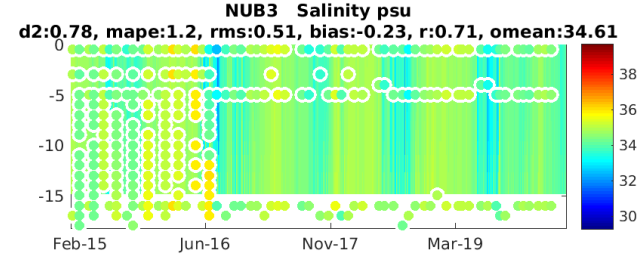

NUB2 Oxygen mg/m3
10000
9000
8000
7000
-0.8
-14.9
-0.5
-15.6
Feb-15
Jun-16
Nov-17
Mar-19

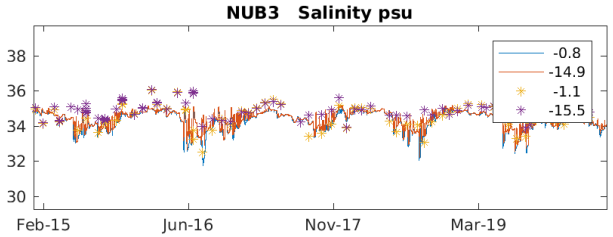

NUB3 Temp deg.C
d2:0.97, mape:5.9, rms:1.02, bias:-0.53, r:0.96, omean:14.10
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

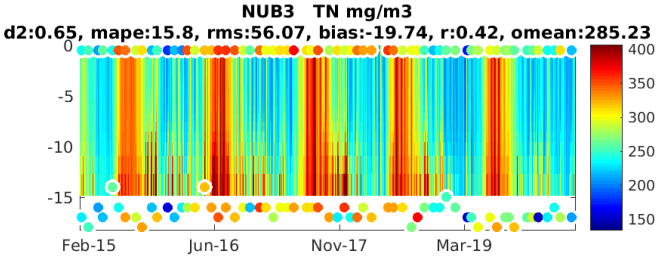

NUB3 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-1.1
-15.5

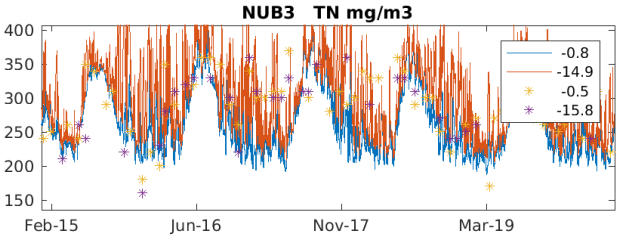

NUB3 NO3 mg/m3
d2:0.45, mape:444.1, rms:43.17, bias:24.50, r:0.67, omean:6.94
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

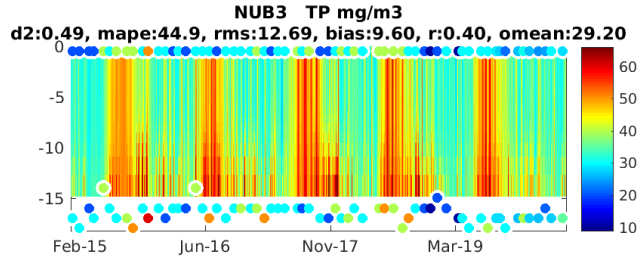

NUB3 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.8

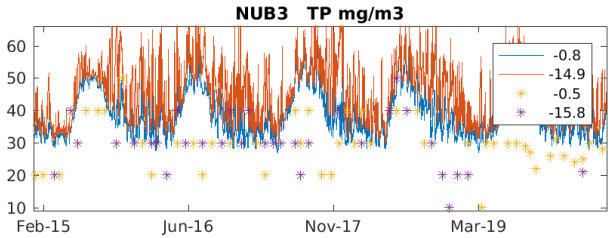

NUB3 Salinity psu
d2:0.78, mape:1.2, rms:0.51, bias:-0.23, r:0.71, omean:34.61
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

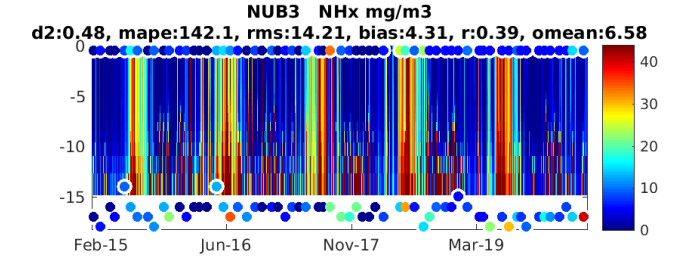

NUB3 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-1.1
-15.5

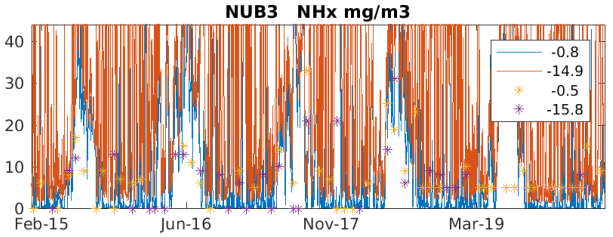

NUB3 TN mg/m3
d2:0.65, mape:15.8, rms:56.07, bias:-19.74, r:0.42, omean:285.23
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

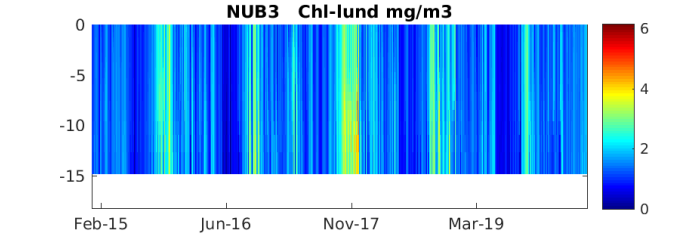

NUB3 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.8

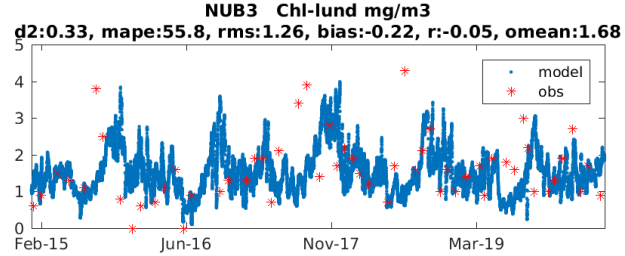

NUB3 TP mg/m3
d2:0.49, mape:44.9, rms:12.69, bias:9.60, r:0.40, omean:29.20
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20
10

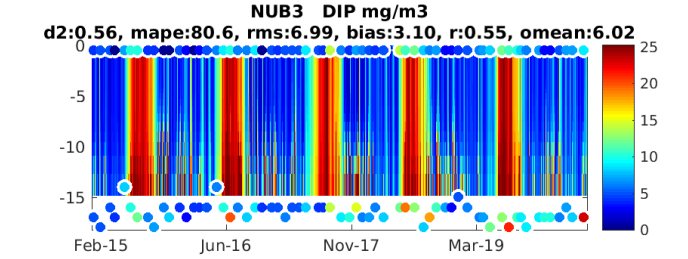

NUB3 TP mg/m3
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.8

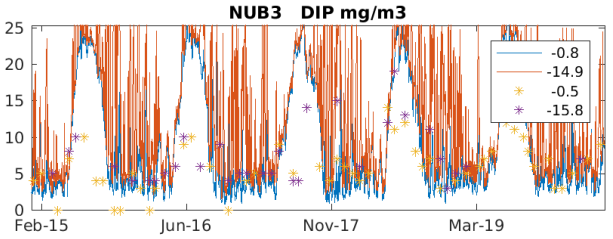

NUB3 NHx mg/m3
d2:0.48, mape:142.1, rms:14.21, bias:4.31, r:0.39, omean:6.58
0
-5
-10
-15
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

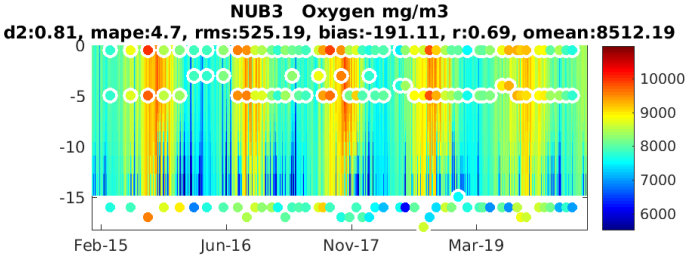

NUB3 NHx mg/m3
40
30
20
10
0
-0.8
-14.9
-0.5
-15.8
Feb-15
Jun-16
Nov-17
Mar-19

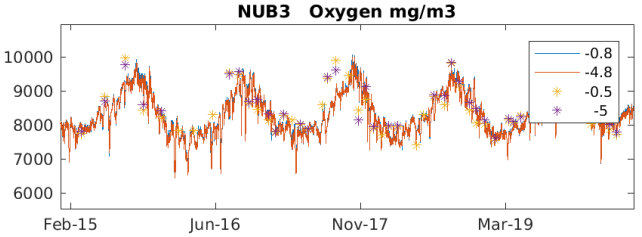

NUB3 Chl-lund mg/m3
0
-5
-10
-15
6
4
2
0
Feb-15
Jun-16
Nov-17
Mar-19

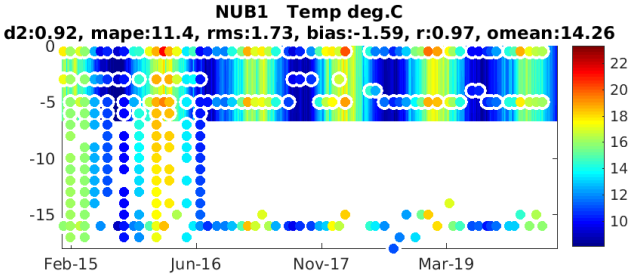

NUB3 Chl-lund mg/m3
d2:0.33, mape:55.8, rms:1.26, bias:-0.22, r:-0.05, omean:1.68
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

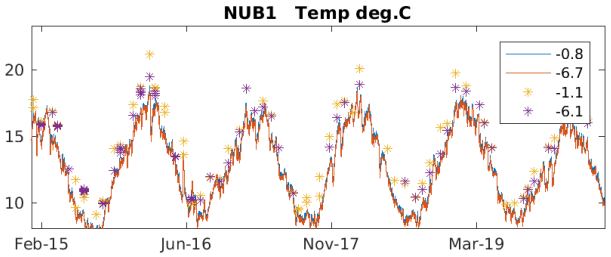

NUB3 DIP mg/m3
d2:0.56, mape:80.6, rms:6.99, bias:3.10, r:0.55, omean:6.02
0
-5
-10
-15
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

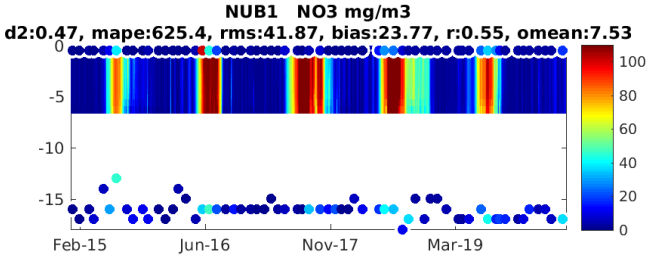

NUB3 DIP mg/m3
25
20
15
10
5
0
-0.8
-14.9
-0.5
-15.8
Feb-15
Jun-16
Nov-17
Mar-19

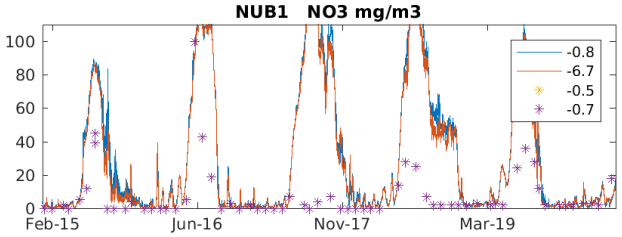

NUB3 Oxygen mg/m3
d2:0.81, mape:4.7, rms:525.19, bias:-191.11, r:0.69, omean:8512.19
0
-5
-10
-15
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19

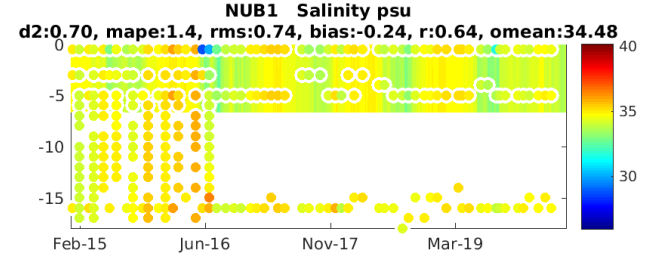

NUB3 Oxygen mg/m3
10000
9000
8000
7000
6000
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

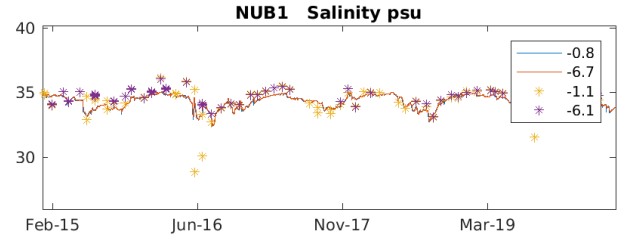

NUB1 Temp deg.C
d2:0.92, mape:11.4, rms:1.73, bias:-1.59, r:0.97, omean:14.26
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

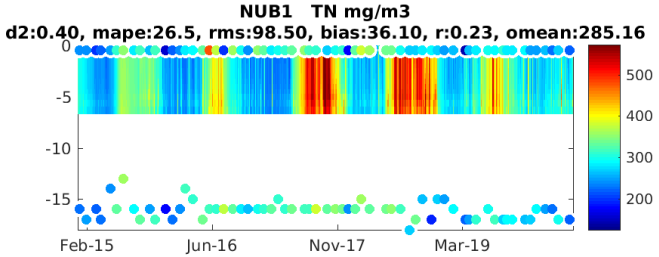

NUB1 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-6.7
-1.1
-6.1

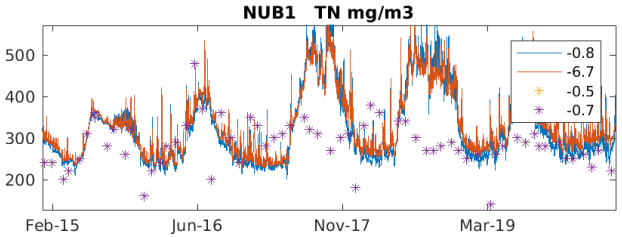

NUB1 NO3 mg/m3
d2:0.47, mape:625.4, rms:41.87, bias:23.77, r:0.55, omean:7.53
0
-5
-10
-15
100
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19

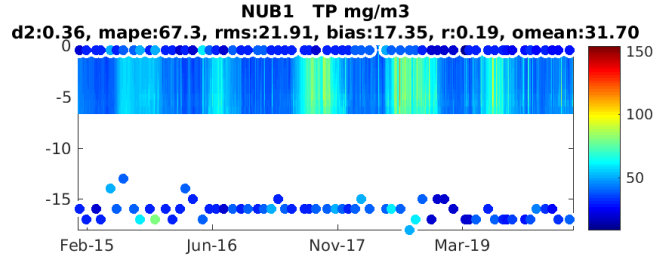

NUB1 NO3 mg/m3
100
80
60
40
20
0
-0.8
-6.7
-0.5
-0.7
Feb-15
Jun-16
Nov-17
Mar-19

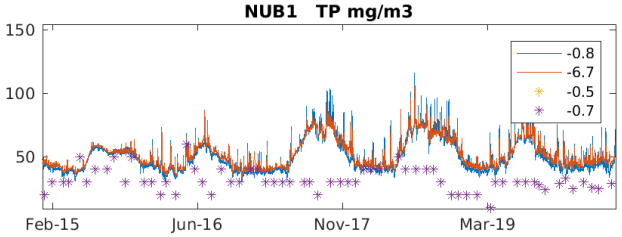

NUB1 Salinity psu
d2:0.70, mape:1.4, rms:0.74, bias:-0.24, r:0.64, omean:34.48
0
-5
-10
-15
40
35
30
Feb-15
Jun-16
Nov-17
Mar-19

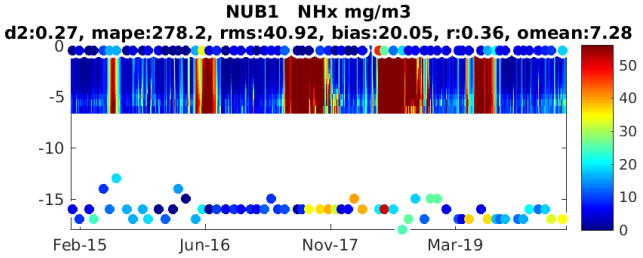

NUB1 Salinity psu
40
35
30
-0.8
-6.7
-1.1
-6.1
Feb-15
Jun-16
Nov-17
Mar-19

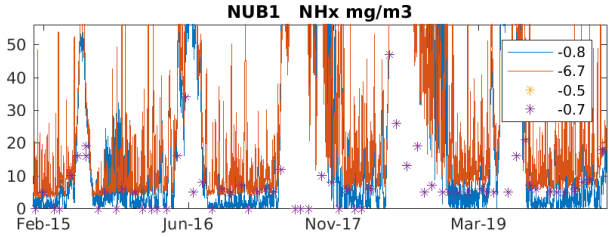

NUB1 TN mg/m3
d2:0.40, mape:26.5, rms:98.50, bias:36.10, r:0.23, omean:285.16
0
-5
-10
-15
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19

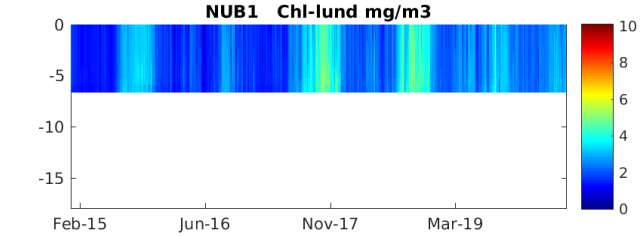

NUB1 TN mg/m3
500
400
300
200
-0.8
-6.7
-0.5
-0.7
Feb-15
Jun-16
Nov-17
Mar-19

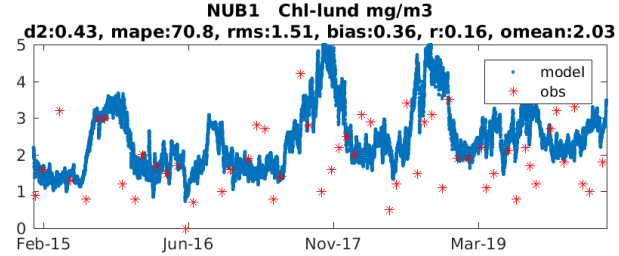

NUB1 TP mg/m3
d2:0.36, mape:67.3, rms:21.91, bias:17.35, r:0.19, omean:31.70
0
-5
-10
-15
150
100
50
Feb-15
Jun-16
Nov-17
Mar-19

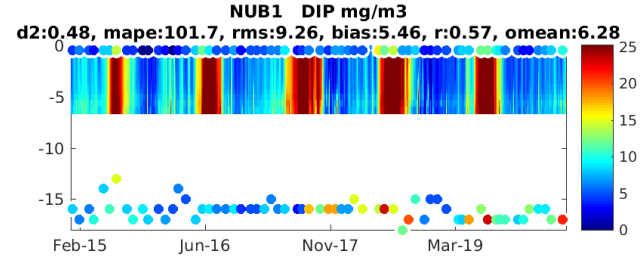

NUB1 TP mg/m3
150
100
50
-0.8
-6.7
-0.5
-0.7
Feb-15
Jun-16
Nov-17
Mar-19

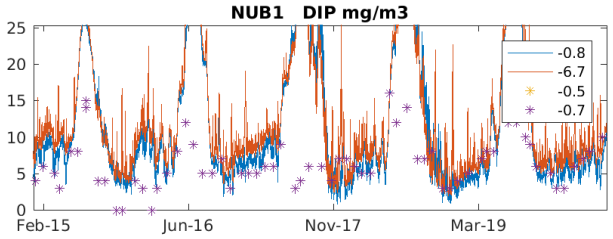

NUB1 NHx mg/m3
d2:0.27, mape:278.2, rms:40.92, bias:20.05, r:0.36, omean:7.28
0
-5
-10
-15
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

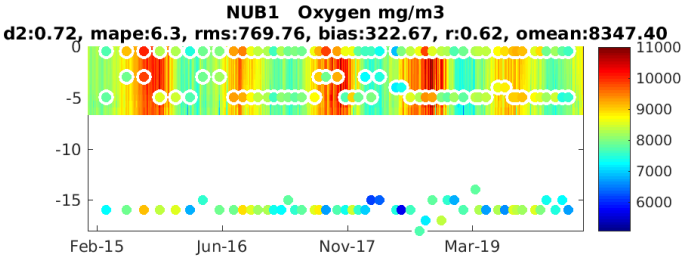

NUB1 NHx mg/m3
50
40
30
20
10
0
-0.8
-6.7
-0.5
-0.7
Feb-15
Jun-16
Nov-17
Mar-19

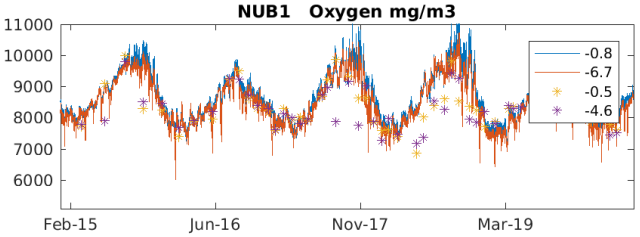

NUB1 Chl-lund mg/m3
0
-5
-10
-15
10
8
6
4
2
0
Feb-15
Jun-16
Nov-17
Mar-19

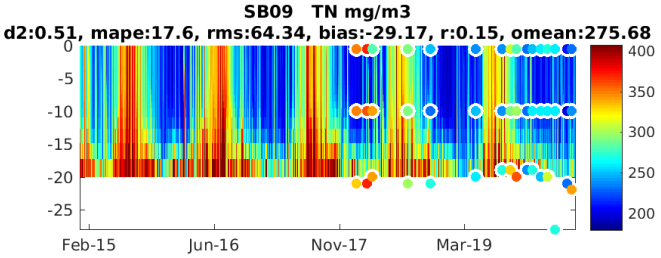

NUB1 Chl-lund mg/m3
d2:0.43, mape:70.8, rms:1.51, bias:0.36, r:0.16, omean:2.03
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

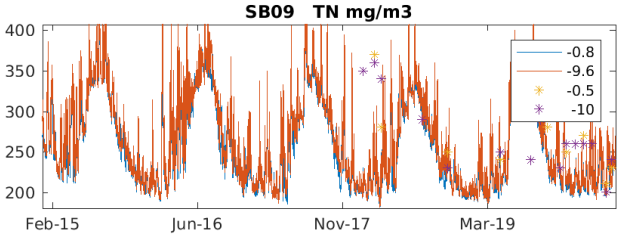

NUB1 DIP mg/m3
d2:0.48, mape:101.7, rms:9.26, bias:5.46, r:0.57, omean:6.28
0
-5
-10
-15
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

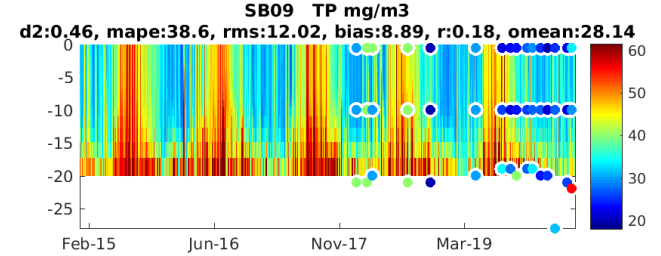

NUB1 DIP mg/m3
25
20
15
10
5
0
-0.8
-6.7
-0.5
-0.7
Feb-15
Jun-16
Nov-17
Mar-19

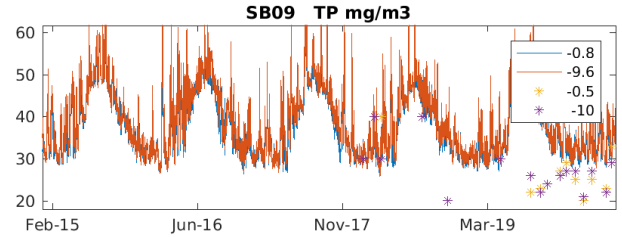

NUB1 Oxygen mg/m3
d2:0.72, mape:6.3, rms:769.76, bias:322.67, r:0.62, omean:8347.40
0
-5
-10
-15
11000
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19

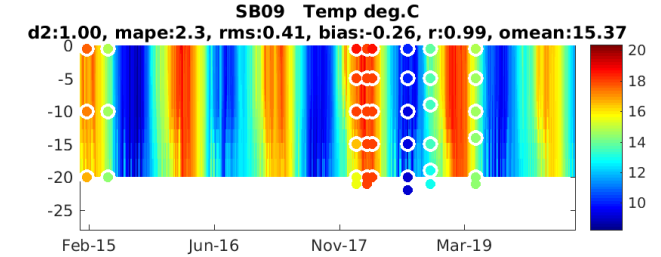

NUB1 Oxygen mg/m3
11000
10000
9000
8000
7000
6000
-0.8
-6.7
-0.5
-4.6
Feb-15
Jun-16
Nov-17
Mar-19

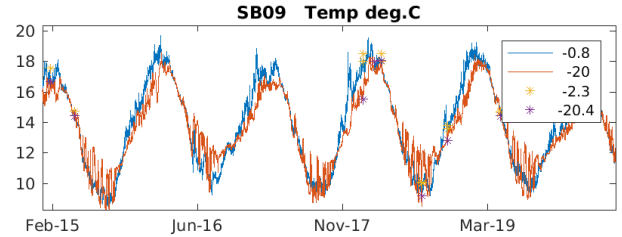

SB09 TN mg/m3
d2:0.51, mape:17.6, rms:64.34, bias:-29.17, r:0.15, omean:275.68
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200

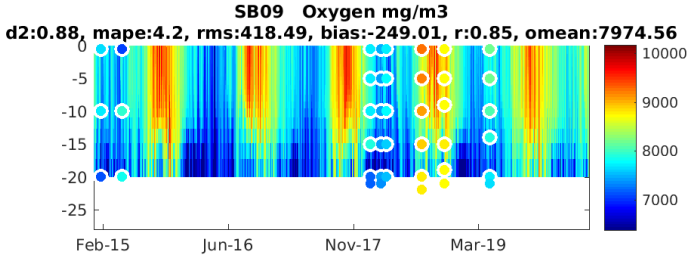

SB09 TN mg/m3
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

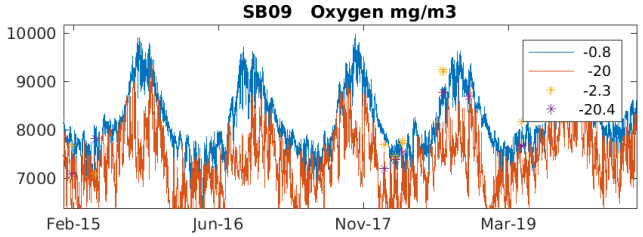

SB09 TP mg/m3
d2:0.46, mape:38.6, rms:12.02, bias:8.89, r:0.18, omean:28.14
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20

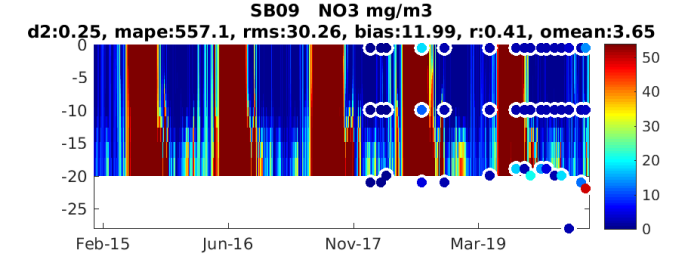

SB09 TP mg/m3
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

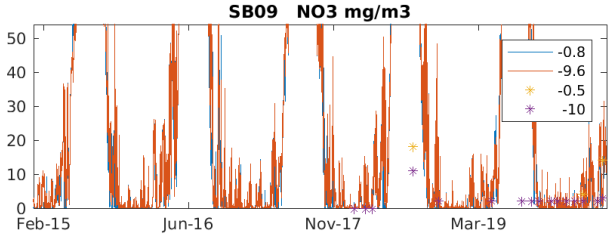

SB09 Temp deg.C
d2:1.00, mape:2.3, rms:0.41, bias:-0.26, r:0.99, omean:15.37
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
20
18
16
14
12
10

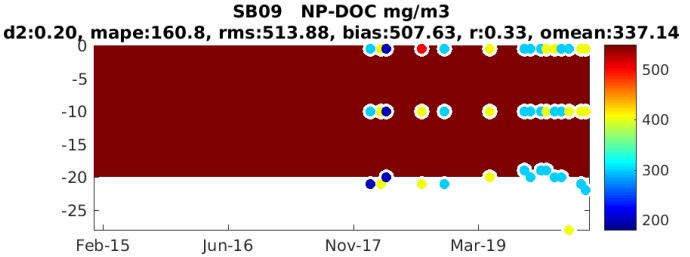

SB09 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-2.3
-20.4

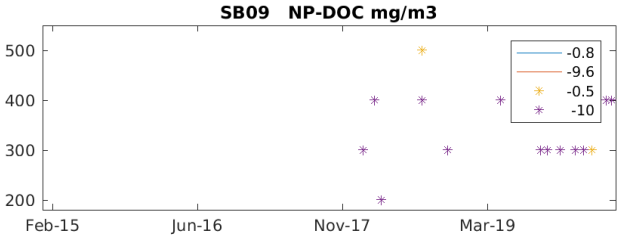

SB09 Oxygen mg/m3
d2:0.88, mape:4.2, rms:418.49, bias:-249.01, r:0.85, omean:7974.56
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

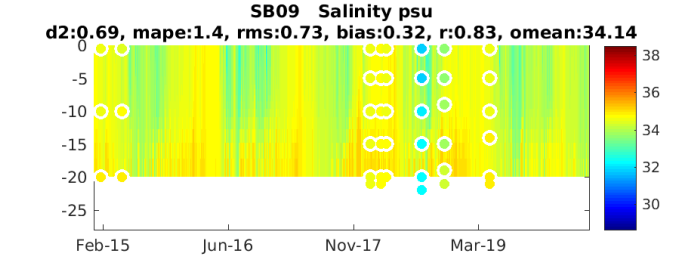

SB09 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-2.3
-20.4

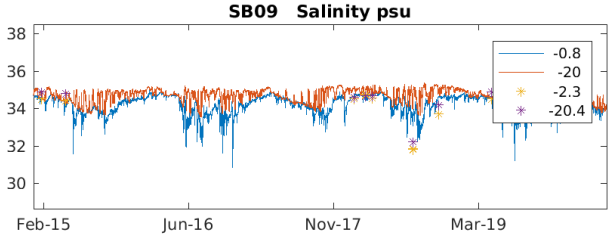

SB09 NO3 mg/m3
d2:0.25, mape:557.1, rms:30.26, bias:11.99, r:0.41, omean:3.65
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

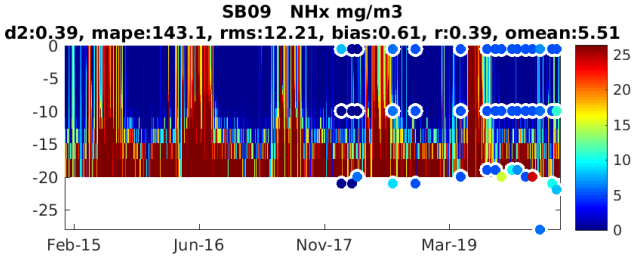

SB09 NO3 mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

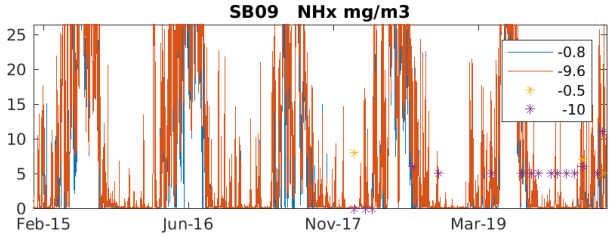

SB09 NP-DOC mg/m3
d2:0.20, mape:160.8, rms:513.88, bias:507.63, r:0.33, omean:337.14
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
500
400
300
200

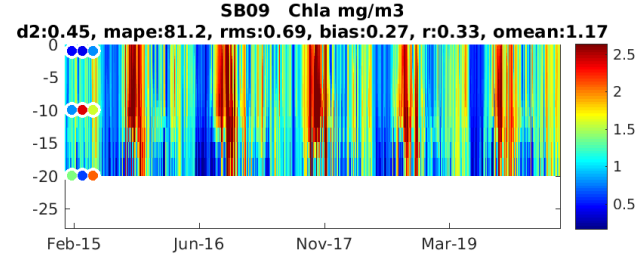

SB09 NP-DOC mg/m3
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

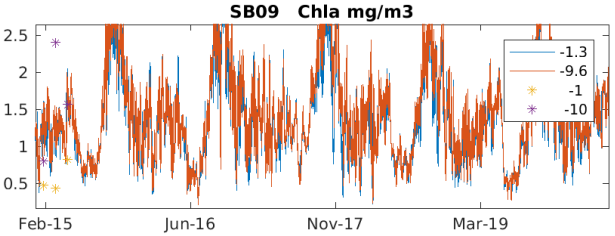

SB09 Salinity psu
d2:0.69, mape:1.4, rms:0.73, bias:0.32, r:0.83, omean:34.14
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

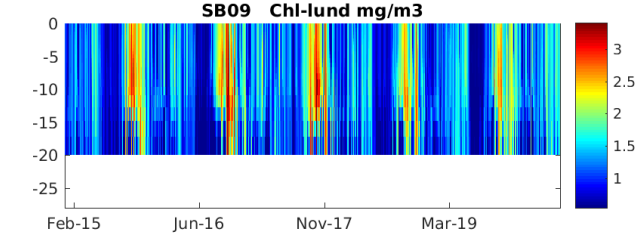

SB09 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-2.3
-20.4

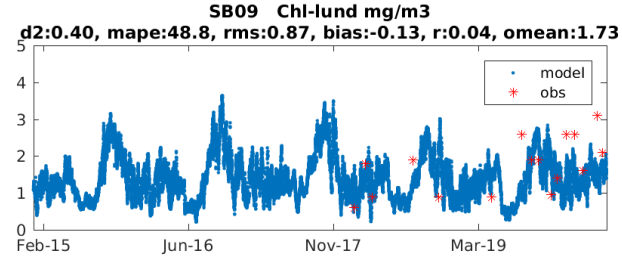

SB09 NHx mg/m3
d2:0.39, mape:143.1, rms:12.21, bias:0.61, r:0.39, omean:5.51
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5
0

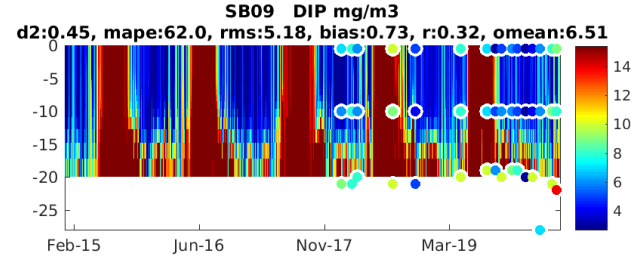

SB09 NHx mg/m3
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

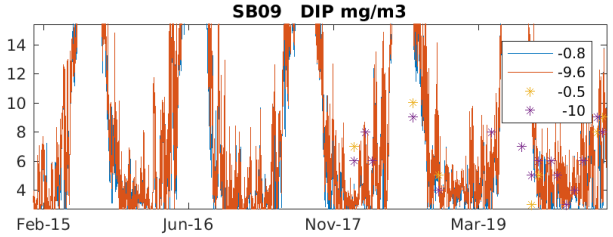

SB09 Chla mg/m3
d2:0.45, mape:81.2, rms:0.69, bias:0.27, r:0.33, omean:1.17
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
2.5
2
1.5
1
0.5

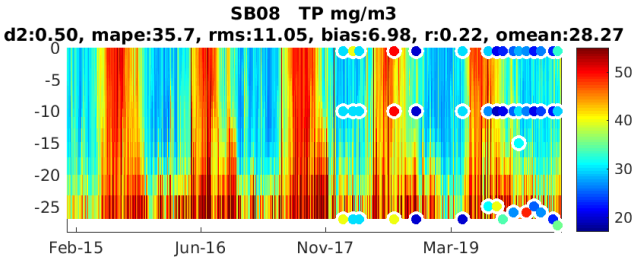

SB09 Chla mg/m3
2.5
2
1.5
1
0.5
Feb-15
Jun-16
Nov-17
Mar-19
-1.3
-9.6
-1
-10

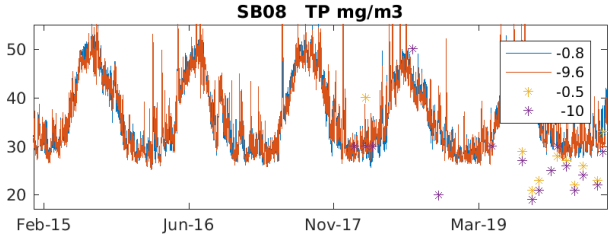

SB09 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
3
2.5
2
1.5
1

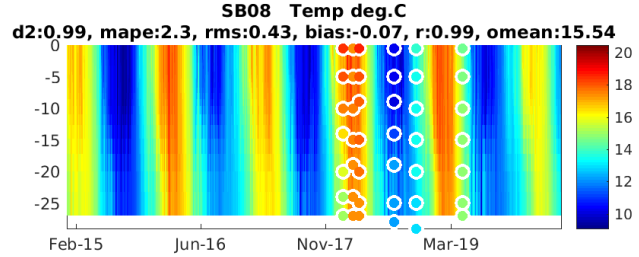

SB09 Chl-lund mg/m3
d2:0.40, mape:48.8, rms:0.87, bias:-0.13, r:0.04, omean:1.73
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

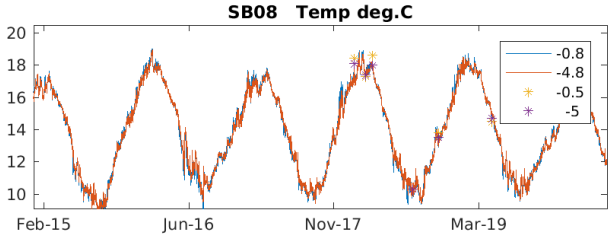

SB09 DIP mg/m3
d2:0.45, mape:62.0, rms:5.18, bias:0.73, r:0.32, omean:6.51
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
14
12
10
8
6
4

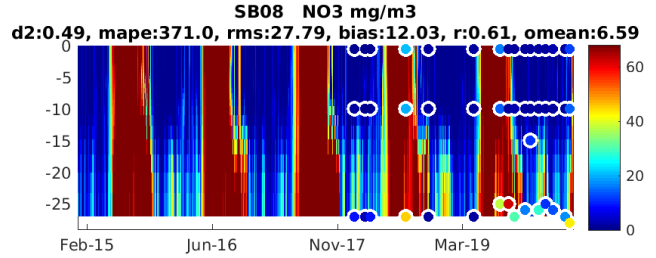

SB09 DIP mg/m3
14
12
10
8
6
4
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

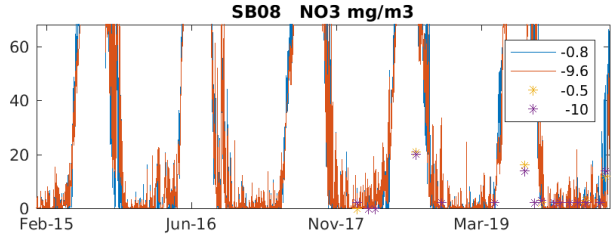

SB08 TP mg/m3
d2:0.50, mape:35.7, rms:11.05, bias:6.98, r:0.22, omean:28.27
0
-5
-10
-15
-20
-25
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19

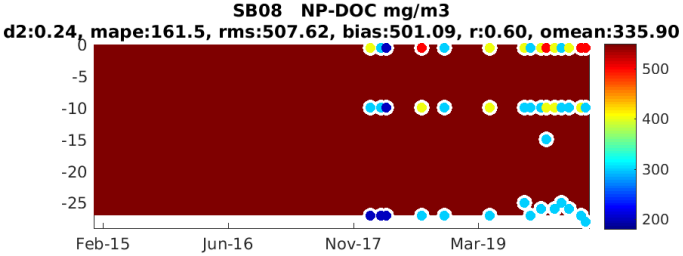

SB08 TP mg/m3
50
40
30
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

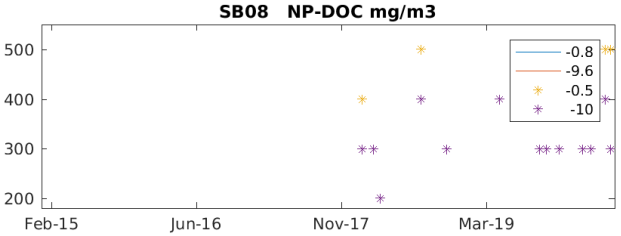

SB08 Temp deg.C
d2:0.99, mape:2.3, rms:0.43, bias:-0.07, r:0.99, omean:15.54
0
-5
-10
-15
-20
-25
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19

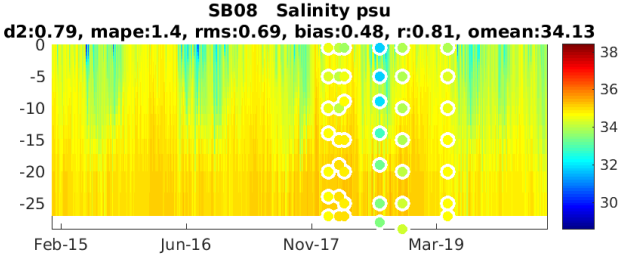

SB08 Temp deg.C
20
18
16
14
12
10
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

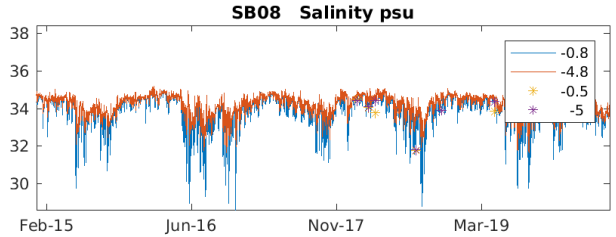

SB08 NO3 mg/m3
d2:0.49, mape:371.0, rms:27.79, bias:12.03, r:0.61, omean:6.59
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

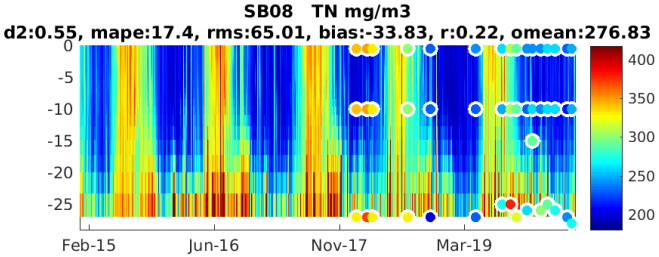

SB08 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

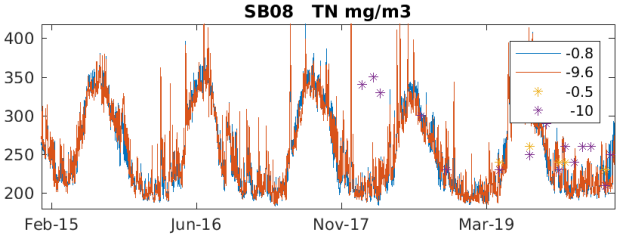

SB08 NP-DOC mg/m3
d2:0.24, mape:161.5, rms:507.62, bias:501.09, r:0.60, omean:335.90
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
500
400
300
200

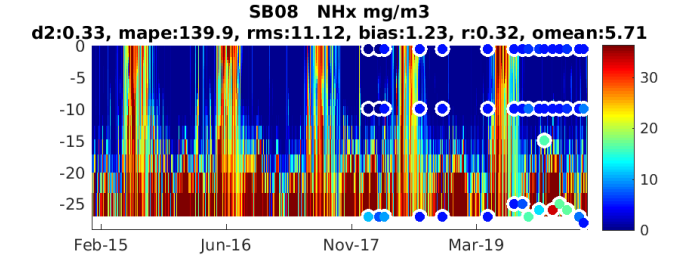

SB08 NP-DOC mg/m3
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

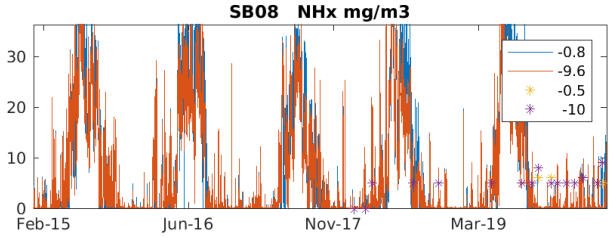

SB08 Salinity psu
d2:0.79, mape:1.4, rms:0.69, bias:0.48, r:0.81, omean:34.13
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

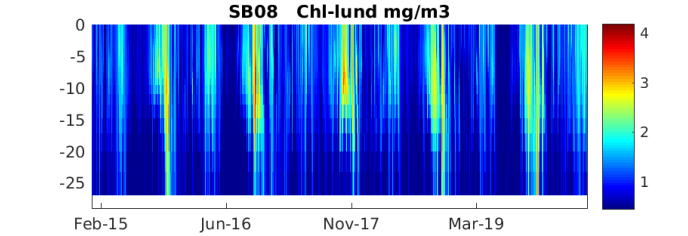

SB08 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

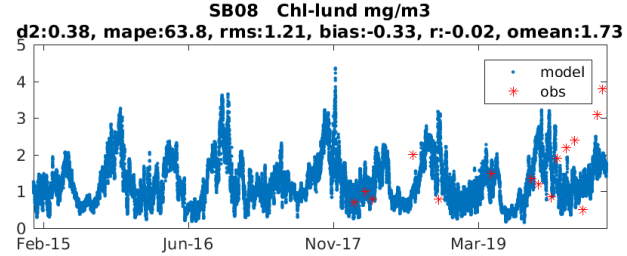

SB08 TN mg/m3
d2:0.55, mape:17.4, rms:65.01, bias:-33.83, r:0.22, omean:276.83
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200

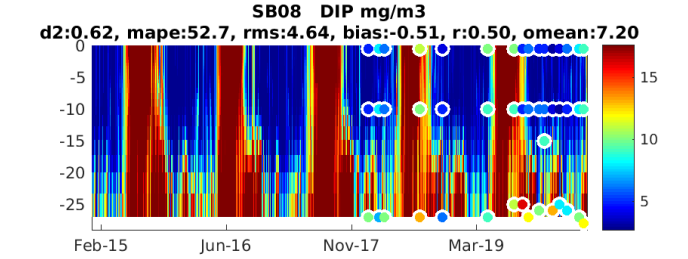

SB08 TN mg/m3
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

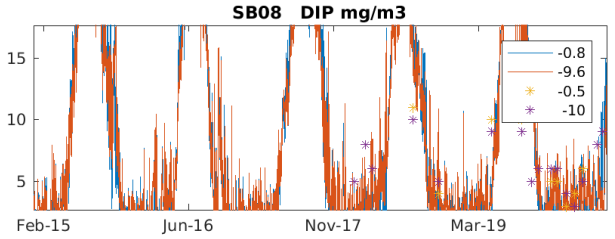

SB08 NHx mg/m3
d2:0.33, mape:139.9, rms:11.12, bias:1.23, r:0.32, omean:5.71
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

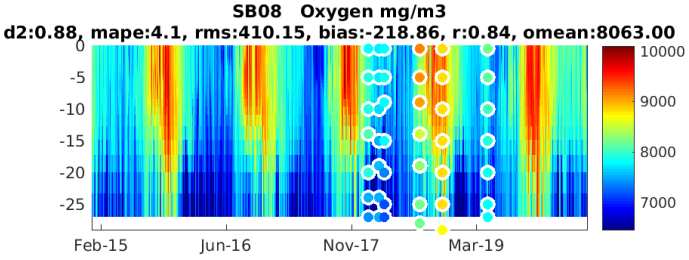

SB08 NHx mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

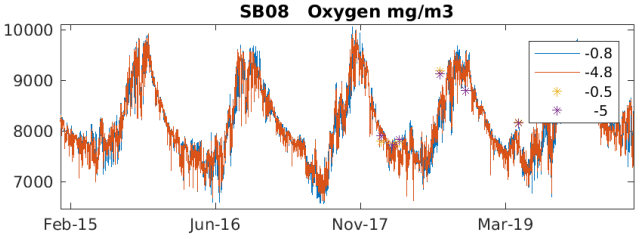

SB08 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1

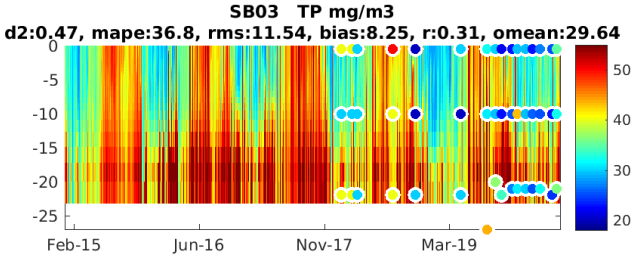

SB08 Chl-lund mg/m3
d2:0.38, mape:63.8, rms:1.21, bias:-0.33, r:-0.02, omean:1.73
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

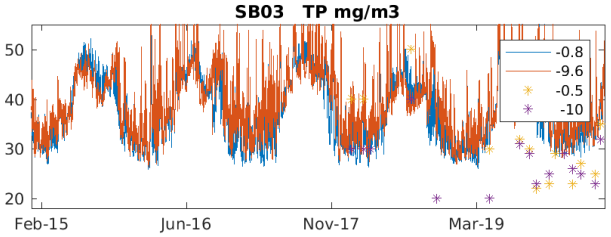

SB08 DIP mg/m3
d2:0.62, mape:52.7, rms:4.64, bias:-0.51, r:0.50, omean:7.20
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5

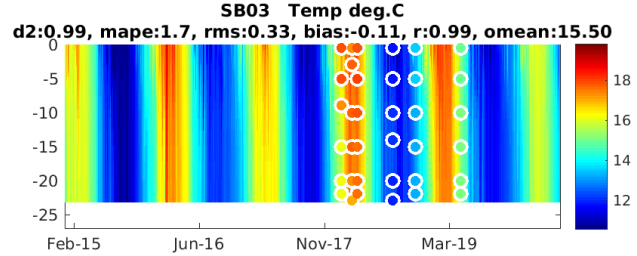

SB08 DIP mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

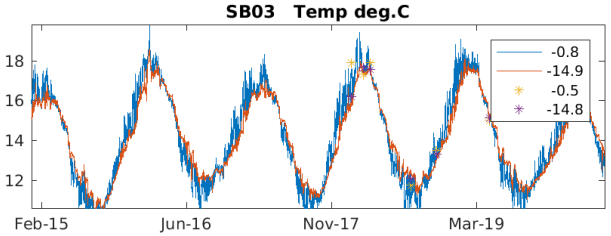

SB08 Oxygen mg/m3
d2:0.88, mape:4.1, rms:410.15, bias:-218.86, r:0.84, omean:8063.00
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

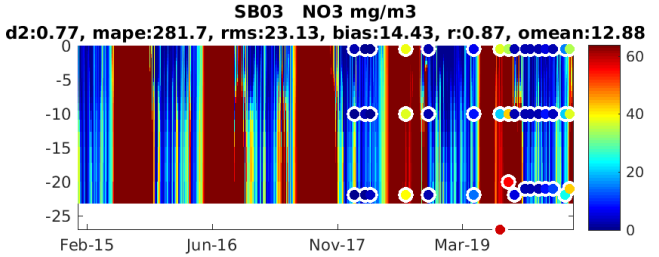

SB08 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

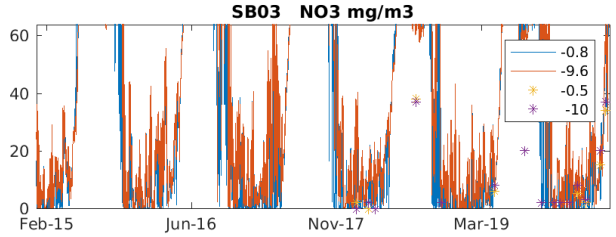

SB03 TP mg/m3
d2:0.47, mape:36.8, rms:11.54, bias:8.25, r:0.31, omean:29.64
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20

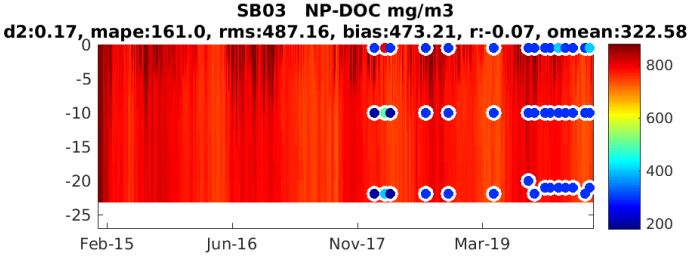

SB03 TP mg/m3
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

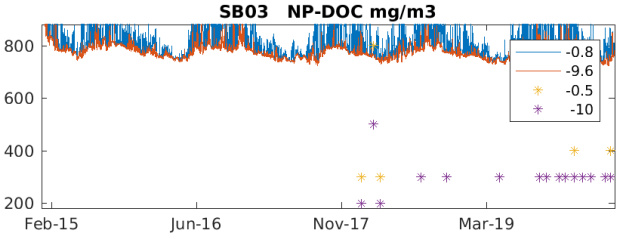

SB03 Temp deg.C
d2:0.99, mape:1.7, rms:0.33, bias:-0.11, r:0.99, omean:15.50
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
18
16
14
12

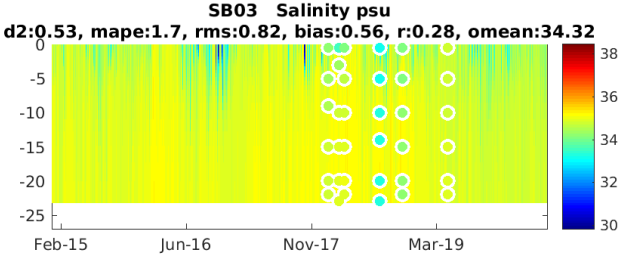

SB03 Temp deg.C
18
16
14
12
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-14.8

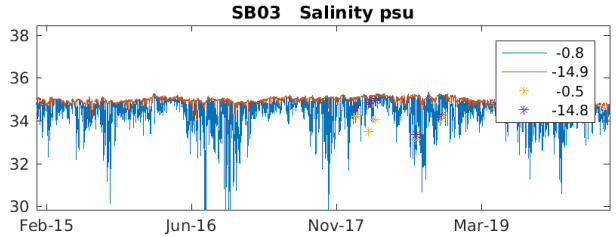

SB03 NO3 mg/m3
d2:0.77, mape:281.7, rms:23.13, bias:14.43, r:0.87, omean:12.88
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

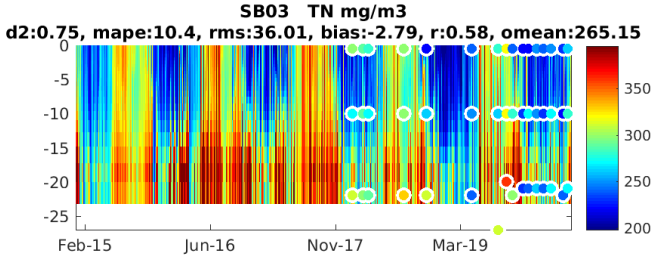

SB03 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

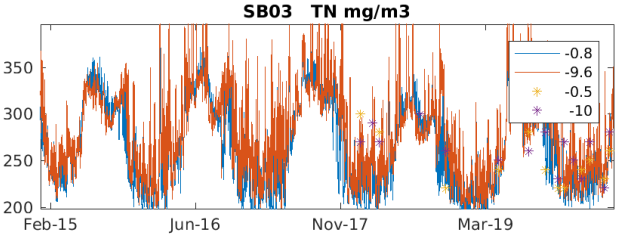

SB03 NP-DOC mg/m3
d2:0.17, mape:161.0, rms:487.16, bias:473.21, r:-0.07, omean:322.58
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
800
600
400
200

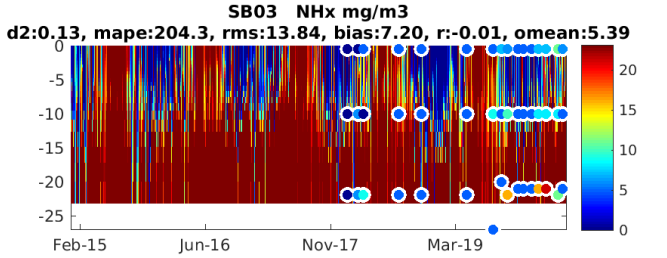

SB03 NP-DOC mg/m3
800
600
400
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

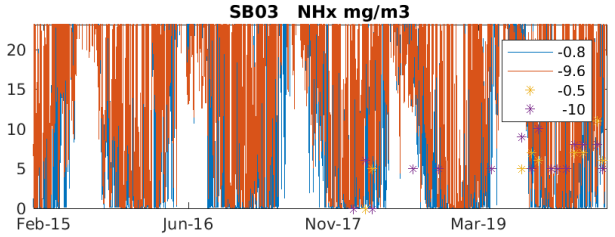

SB03 Salinity psu
d2:0.53, mape:1.7, rms:0.82, bias:0.56, r:0.28, omean:34.32
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

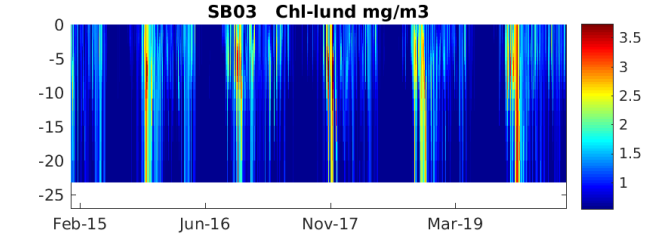

SB03 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-14.8

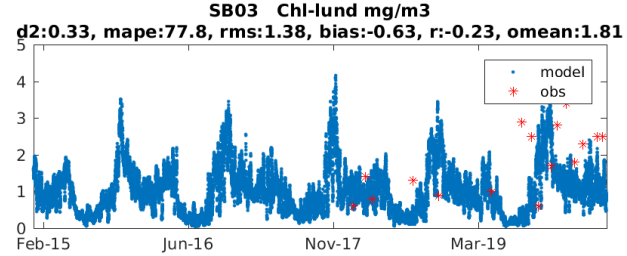

SB03 TN mg/m3
d2:0.75, mape:10.4, rms:36.01, bias:-2.79, r:0.58, omean:265.15
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
350
300
250
200

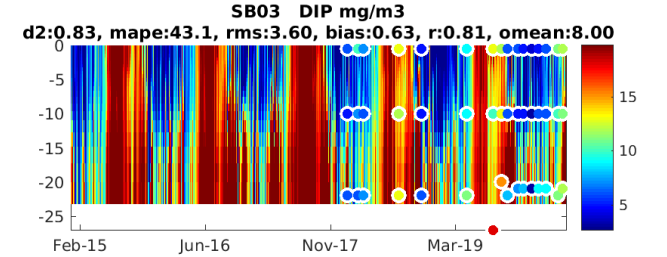

SB03 TN mg/m3
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

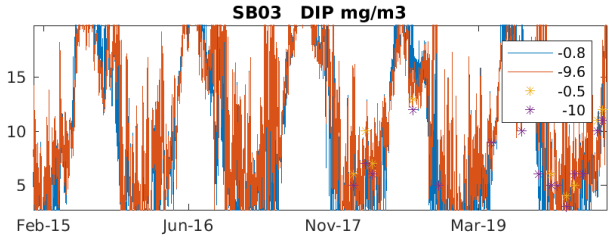

SB03 NHx mg/m3
d2:0.13, mape:204.3, rms:13.84, bias:7.20, r:-0.01, omean:5.39
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

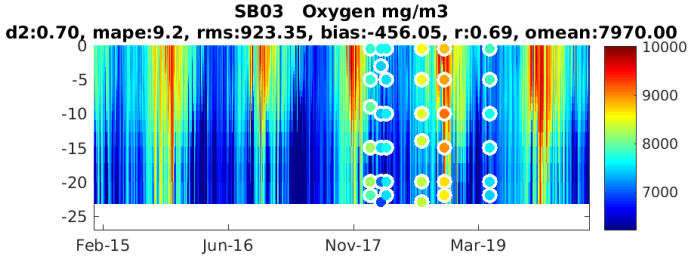

SB03 NHx mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

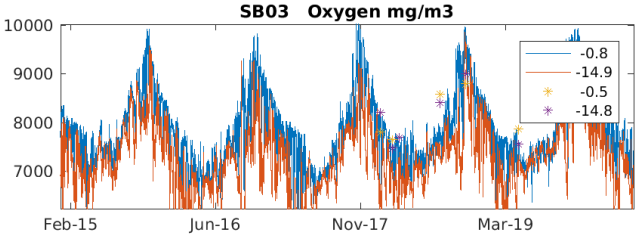

SB03 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
3.5
3
2.5
2
1.5
1

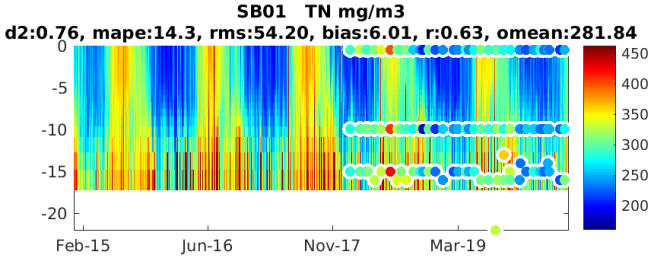

SB03 Chl-lund mg/m3
d2:0.33, mape:77.8, rms:1.38, bias:-0.63, r:-0.23, omean:1.81
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

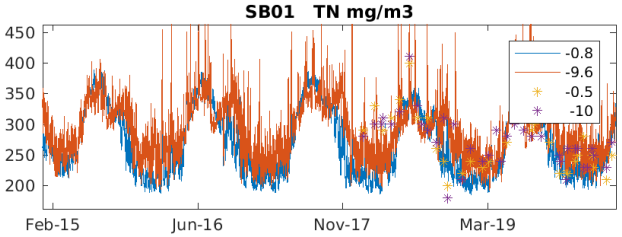

SB03 DIP mg/m3
d2:0.83, mape:43.1, rms:3.60, bias:0.63, r:0.81, omean:8.00
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5

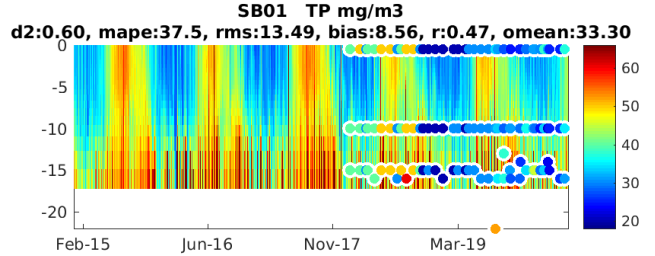

SB03 DIP mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

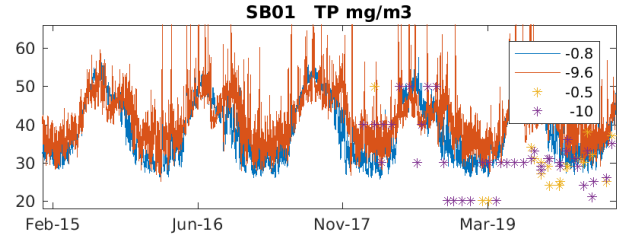

SB03 Oxygen mg/m3
d2:0.70, mape:9.2, rms:923.35, bias:-456.05, r:0.69, omean:7970.00
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

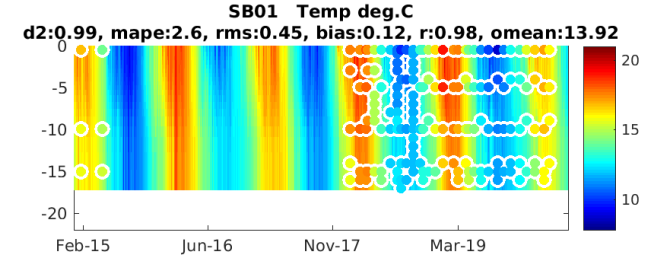

SB03 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-14.8

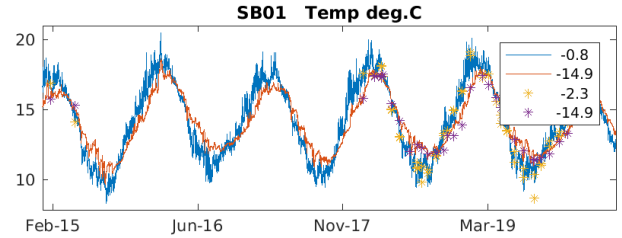

SB01 TN mg/m3
d2:0.76, mape:14.3, rms:54.20, bias:6.01, r:0.63, omean:281.84
0
-5
-10
-15
-20
450
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19

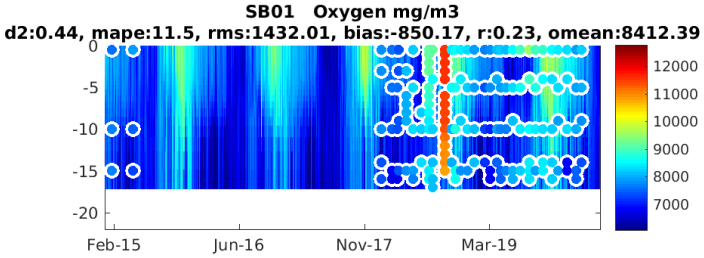

SB01 TN mg/m3
450
400
350
300
250
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

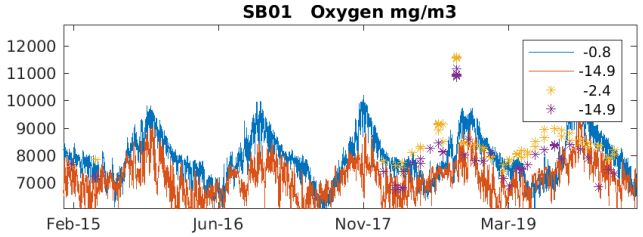

SB01 TP mg/m3
d2:0.60, mape:37.5, rms:13.49, bias:8.56, r:0.47, omean:33.30
0
-5
-10
-15
-20
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19

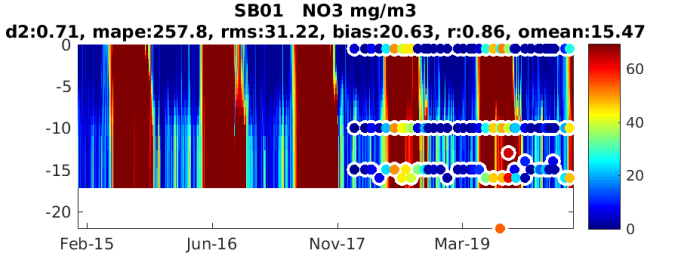

SB01 TP mg/m3
60
50
40
30
20
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

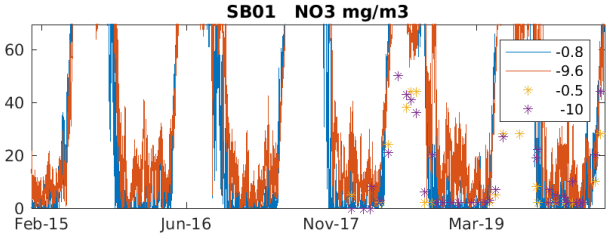

SB01 Temp deg.C
d2:0.99, mape:2.6, rms:0.45, bias:0.12, r:0.98, omean:13.92
0
-5
-10
-15
-20
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19

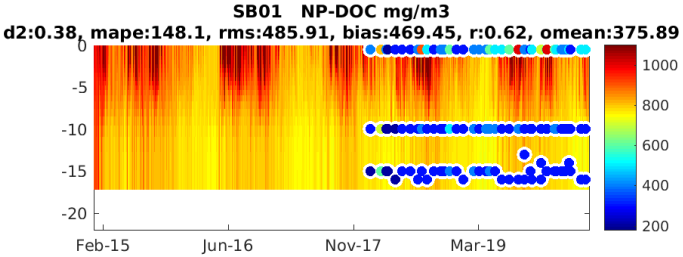

SB01 Temp deg.C
20
15
10
-0.8
-14.9
-2.3
-14.9
Feb-15
Jun-16
Nov-17
Mar-19

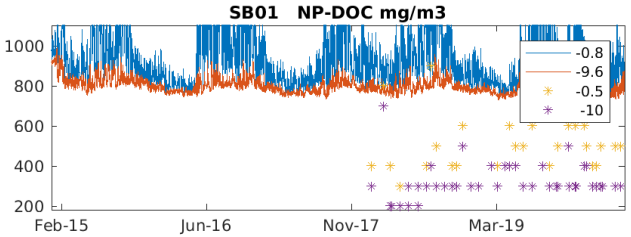

SB01 Oxygen mg/m3
d2:0.44, mape:11.5, rms:1432.01, bias:-850.17, r:0.23, omean:8412.39
0
-5
-10
-15
-20
12000
11000
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19

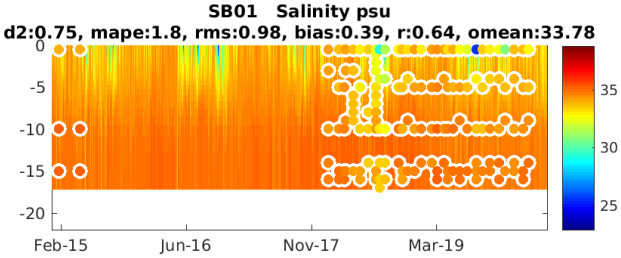

SB01 Oxygen mg/m3
12000
11000
10000
9000
8000
7000
-0.8
-14.9
-2.4
-14.9
Feb-15
Jun-16
Nov-17
Mar-19

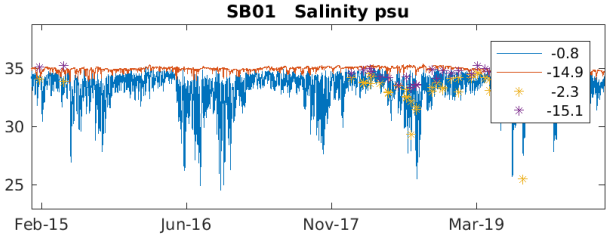

SB01 NO3 mg/m3
d2:0.71, mape:257.8, rms:31.22, bias:20.63, r:0.86, omean:15.47
0
-5
-10
-15
-20
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19

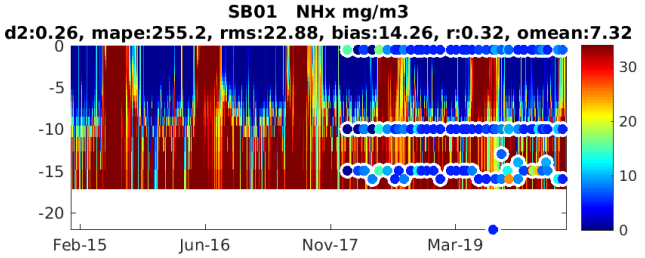

SB01 NO3 mg/m3
60
40
20
0
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

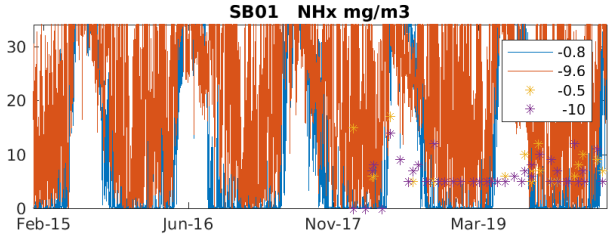

SB01 NP-DOC mg/m3
d2:0.38, mape:148.1, rms:485.91, bias:469.45, r:0.62, omean:375.89
0
-5
-10
-15
-20
1000
800
600
400
200
Feb-15
Jun-16
Nov-17
Mar-19

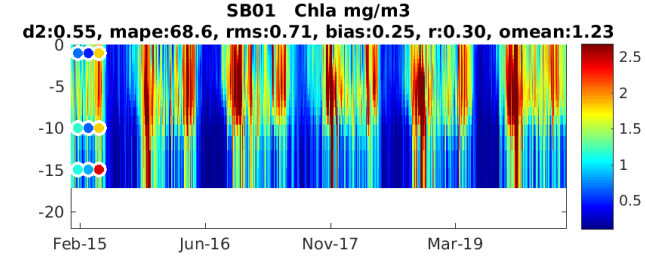

SB01 NP-DOC mg/m3
1000
800
600
400
200
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

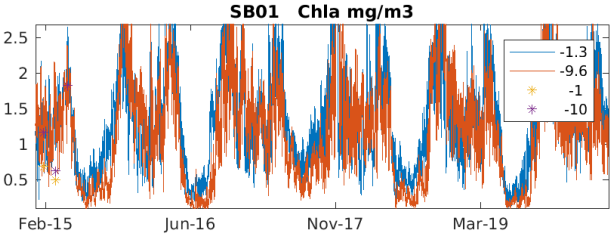

SB01 Salinity psu
d2:0.75, mape:1.8, rms:0.98, bias:0.39, r:0.64, omean:33.78
0
-5
-10
-15
-20
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19

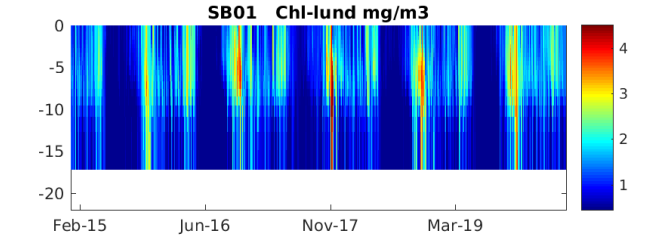

SB01 Salinity psu
35
30
25
-0.8
-14.9
-2.3
-15.1
Feb-15
Jun-16
Nov-17
Mar-19

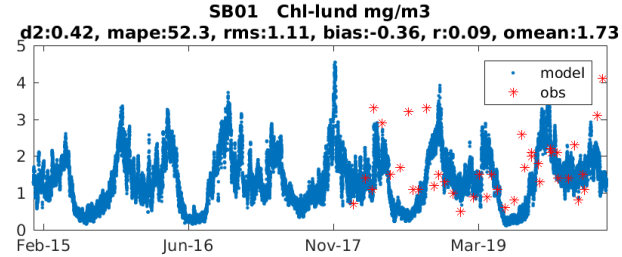

SB01 NHx mg/m3
d2:0.26, mape:255.2, rms:22.88, bias:14.26, r:0.32, omean:7.32
0
-5
-10
-15
-20
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

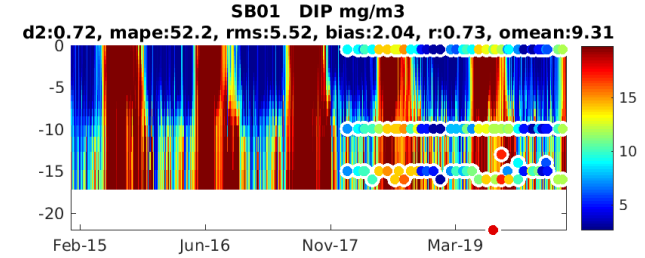

SB01 NHx mg/m3
30
20
10
0
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

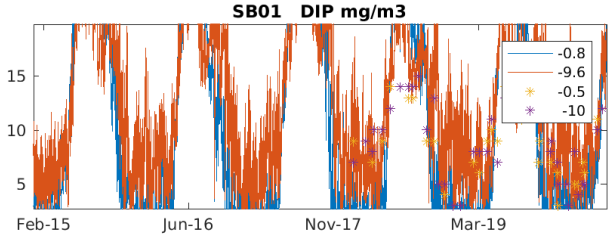

SB01 Chla mg/m3
d2:0.55, mape:68.6, rms:0.71, bias:0.25, r:0.30, omean:1.23
0
-5
-10
-15
-20
2.5
2
1.5
1
0.5
Feb-15
Jun-16
Nov-17
Mar-19

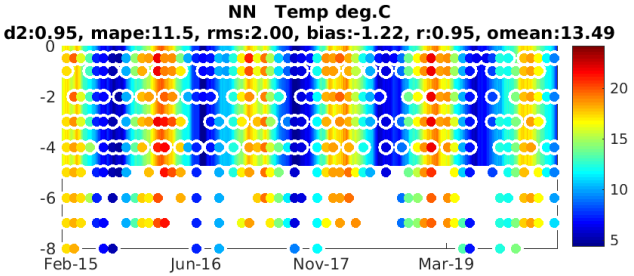

SB01 Chla mg/m3
2.5
2
1.5
1
0.5
-1.3
-9.6
-1
-10
Feb-15
Jun-16
Nov-17
Mar-19

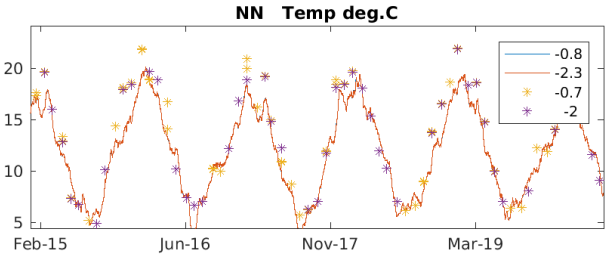

SB01 Chl-lund mg/m3
0
-5
-10
-15
-20
4
3
2
1
Feb-15
Jun-16
Nov-17
Mar-19

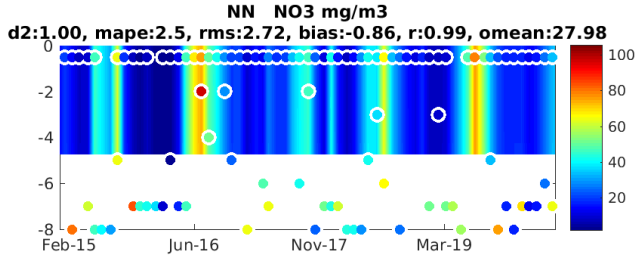

SB01 Chl-lund mg/m3
d2:0.42, mape:52.3, rms:1.11, bias:-0.36, r:0.09, omean:1.73
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

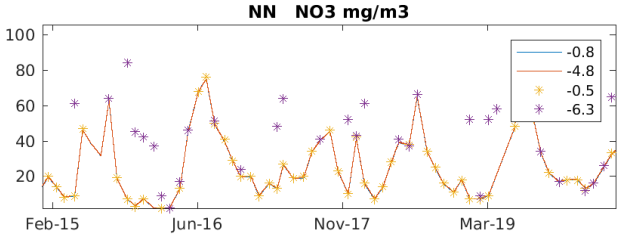

SB01 DIP mg/m3
d2:0.72, mape:52.2, rms:5.52, bias:2.04, r:0.73, omean:9.31
0
-5
-10
-15
-20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

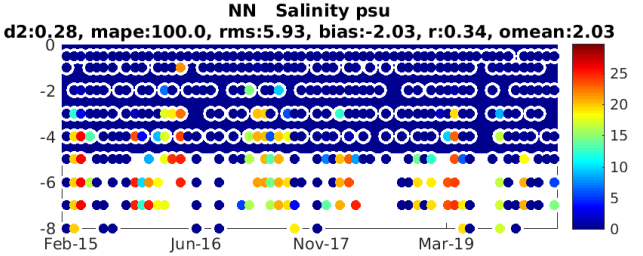

SB01 DIP mg/m3
15
10
5
-0.8
-9.6
-0.5
-10
Feb-15
Jun-16
Nov-17
Mar-19

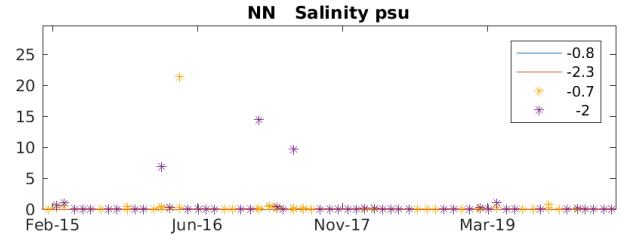

NN Temp deg.C
d2:0.95, mape:11.5, rms:2.00, bias:-1.22, r:0.95, omean:13.49
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5

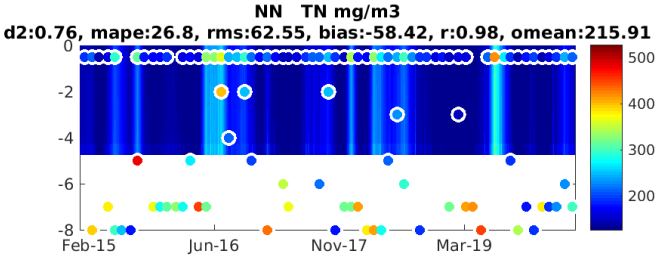

NN Temp deg.C
20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-2.3
-0.7
-2

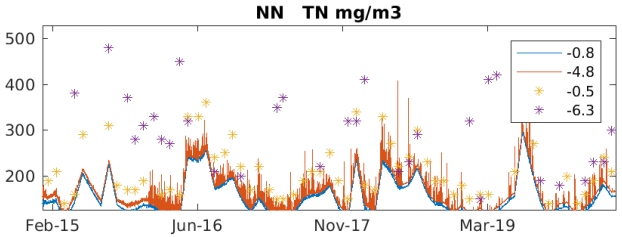

NN NO3 mg/m3
d2:1.00, mape:2.5, rms:2.72, bias:-0.86, r:0.99, omean:27.98
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
100
80
60
40
20

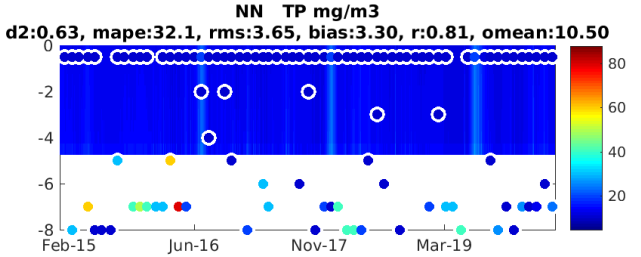

NN NO3 mg/m3
100
80
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-6.3

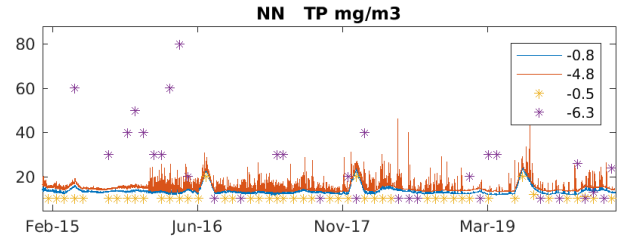

NN Salinity psu
d2:0.28, mape:100.0, rms:5.93, bias:-2.03, r:0.34, omean:2.03
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5
0

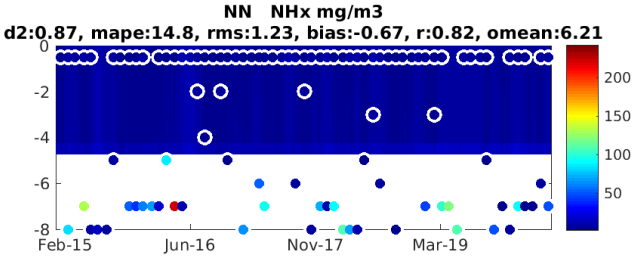

NN Salinity psu
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-2.3
-0.7
-2

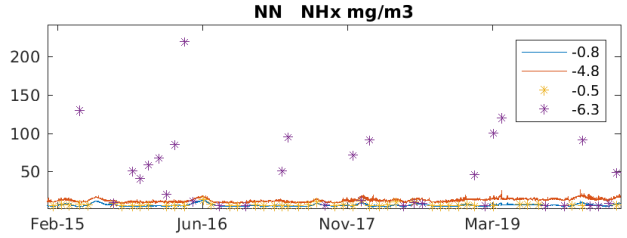

NN TN mg/m3
d2:0.76, mape:26.8, rms:62.55, bias:-58.42, r:0.98, omean:215.91
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
500
400
300
200

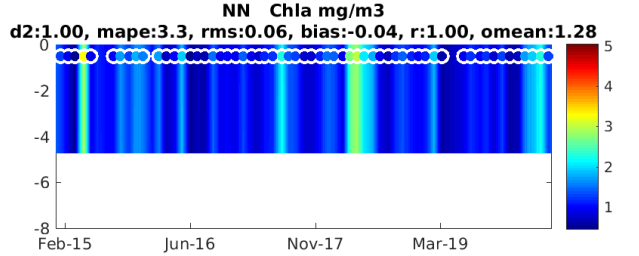

NN TN mg/m3
500
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-6.3

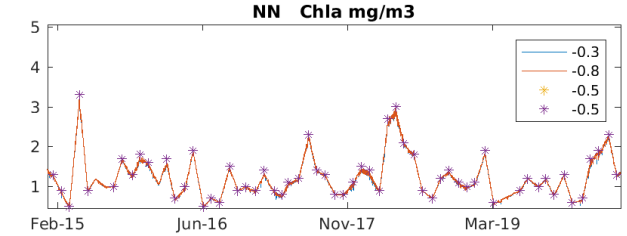

NN TP mg/m3
d2:0.63, mape:32.1, rms:3.65, bias:3.30, r:0.81, omean:10.50
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20

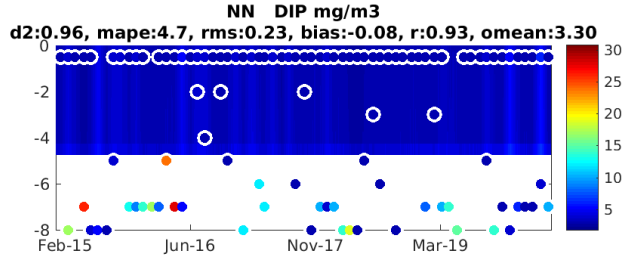

NN TP mg/m3
80
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-6.3

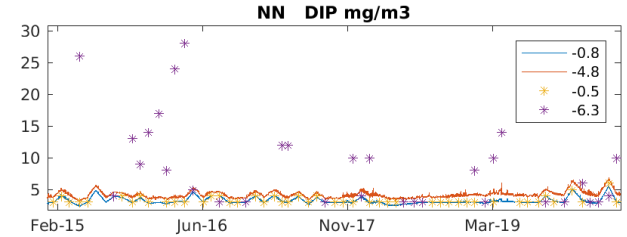

NN NHx mg/m3
d2:0.87, mape:14.8, rms:1.23, bias:-0.67, r:0.82, omean:6.21
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
200
150
100
50

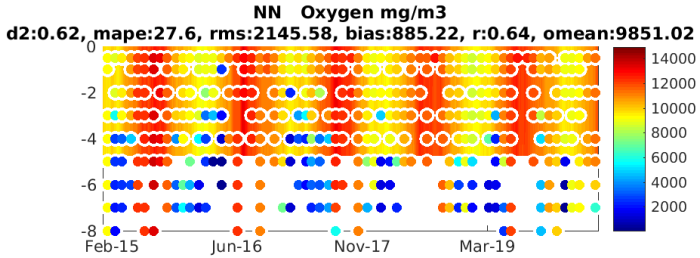

NN NHx mg/m3
200
150
100
50
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-6.3

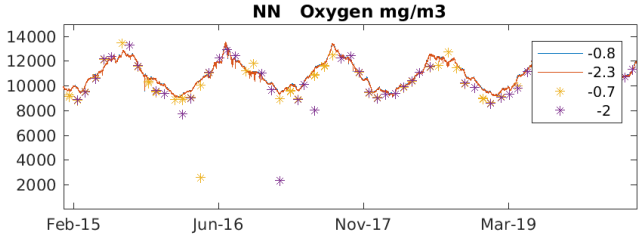

NN Chla mg/m3
d2:1.00, mape:3.3, rms:0.06, bias:-0.04, r:1.00, omean:1.28
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
5
4
3
2
1

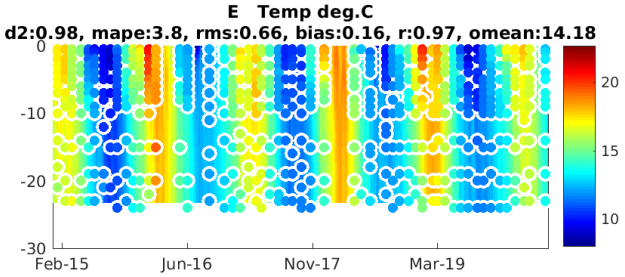

NN Chla mg/m3
5
4
3
2
1
Feb-15
Jun-16
Nov-17
Mar-19
-0.3
-0.8
-0.5
-0.5

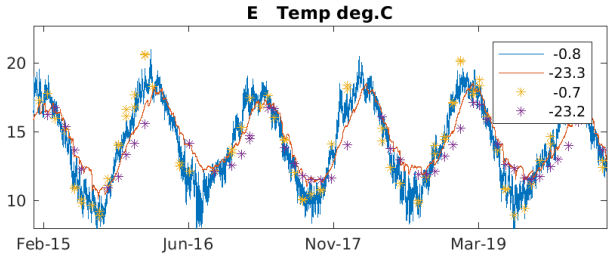

NN DIP mg/m3
d2:0.96, mape:4.7, rms:0.23, bias:-0.08, r:0.93, omean:3.30
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
30
25
20
15
10
5

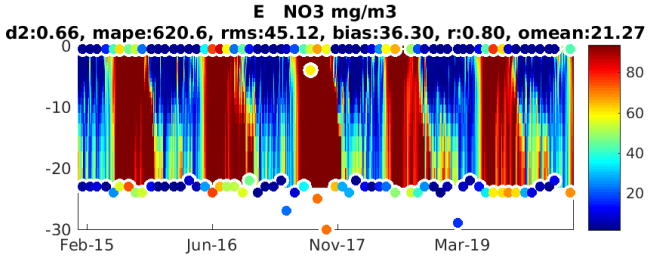

NN DIP mg/m3
30
25
20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-6.3

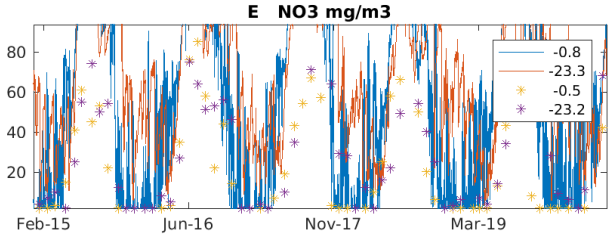

NN Oxygen mg/m3
d2:0.62, mape:27.6, rms:2145.58, bias:885.22, r:0.64, omean:9851.02
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
14000
12000
10000
8000
6000
4000
2000

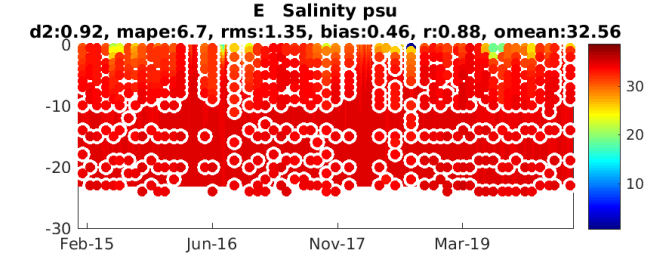

NN Oxygen mg/m3
14000
12000
10000
8000
6000
4000
2000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-2.3
-0.7
-2

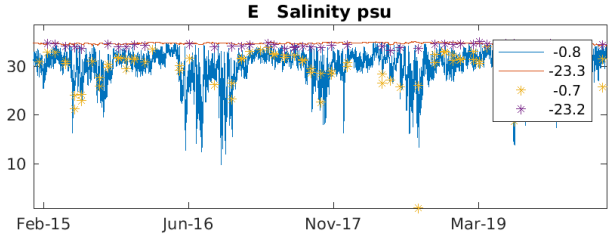

E Temp deg.C
d2:0.98, mape:3.8, rms:0.66, bias:0.16, r:0.97, omean:14.18
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

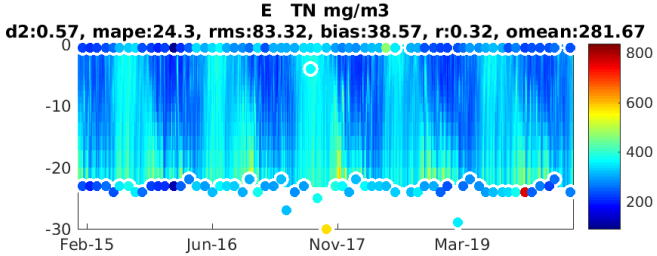

E Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.7
-23.2

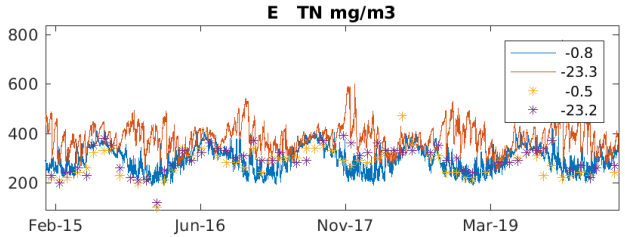

E NO3 mg/m3
d2:0.66, mape:620.6, rms:45.12, bias:36.30, r:0.80, omean:21.27
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20

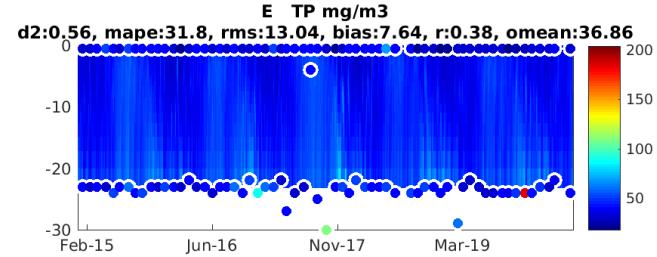

E NO3 mg/m3
80
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-23.2

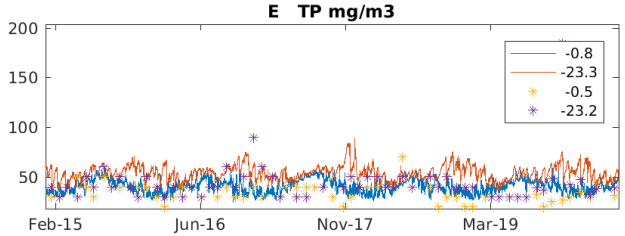

E Salinity psu
d2:0.92, mape:6.7, rms:1.35, bias:0.46, r:0.88, omean:32.56
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10

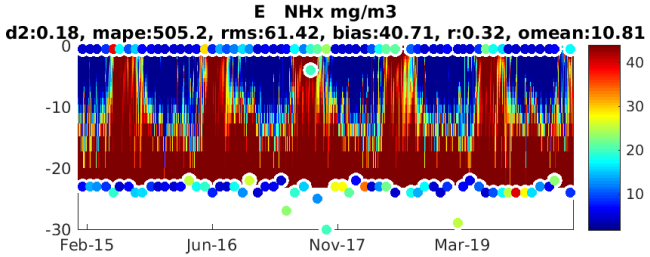

E Salinity psu
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.7
-23.2

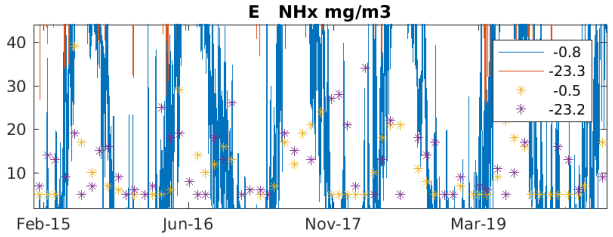

E TN mg/m3
d2:0.57, mape:24.3, rms:83.32, bias:38.57, r:0.32, omean:281.67
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
800
600
400
200

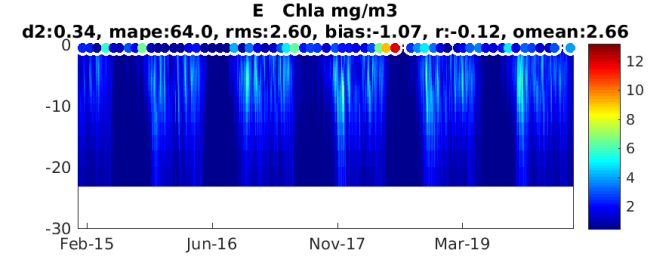

E TN mg/m3
800
600
400
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-23.2

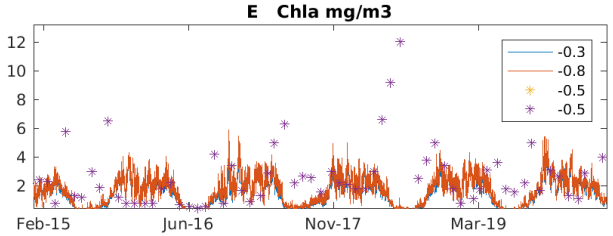

E TP mg/m3
d2:0.56, mape:31.8, rms:13.04, bias:7.64, r:0.38, omean:36.86
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
200
150
100
50

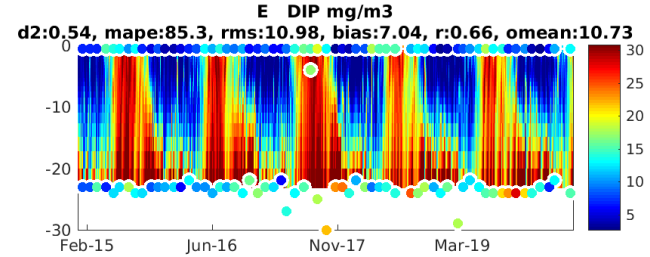

E TP mg/m3
200
150
100
50
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-23.2

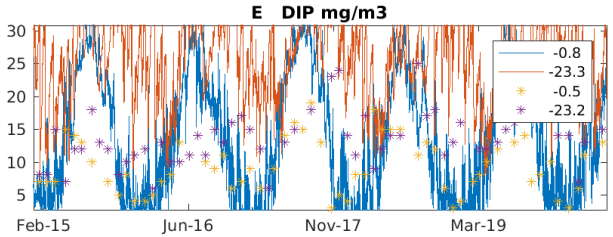

E NHx mg/m3
d2:0.18, mape:505.2, rms:61.42, bias:40.71, r:0.32, omean:10.81
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
40
30
20
10

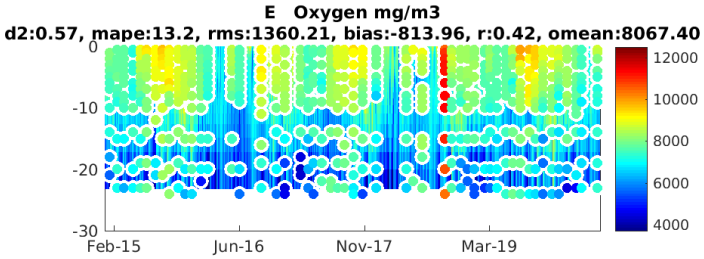

E NHx mg/m3
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-23.2

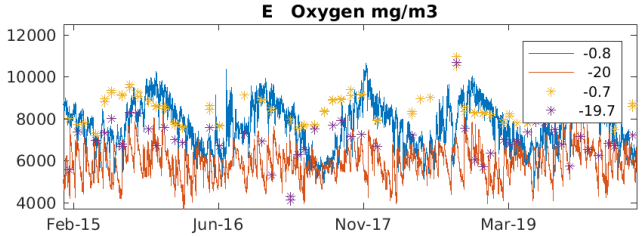

E Chla mg/m3
d2:0.34, mape:64.0, rms:2.60, bias:-1.07, r:-0.12, omean:2.66
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
12
10
8
6
4
2

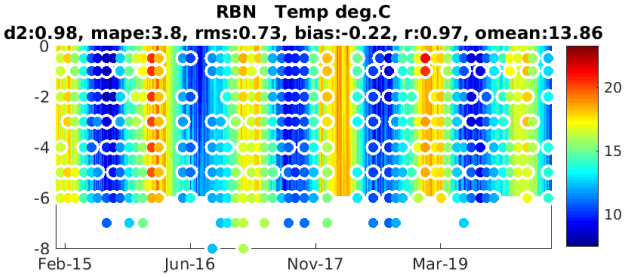

E Chla mg/m3
12
10
8
6
4
2
Feb-15
Jun-16
Nov-17
Mar-19
-0.3
-0.8
-0.5
-0.5

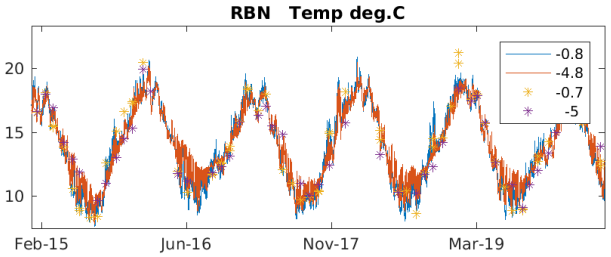

E DIP mg/m3
d2:0.54, mape:85.3, rms:10.98, bias:7.04, r:0.66, omean:10.73
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
30
25
20
15
10
5

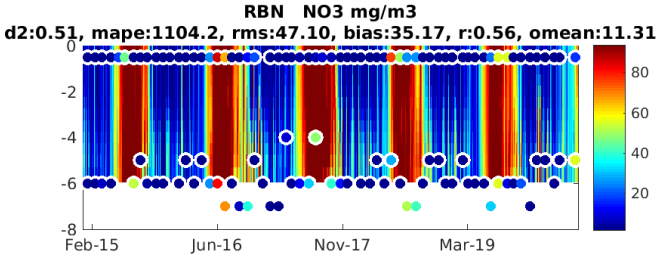

E DIP mg/m3
30
25
20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-23.2

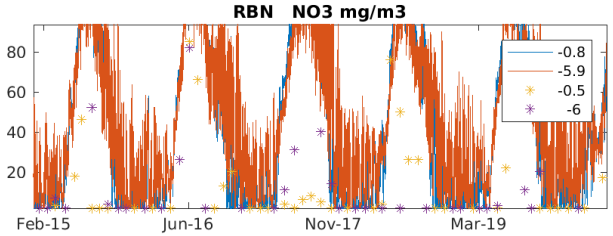

E Oxygen mg/m3
d2:0.57, mape:13.2, rms:1360.21, bias:-813.96, r:0.42, omean:8067.40
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000
4000

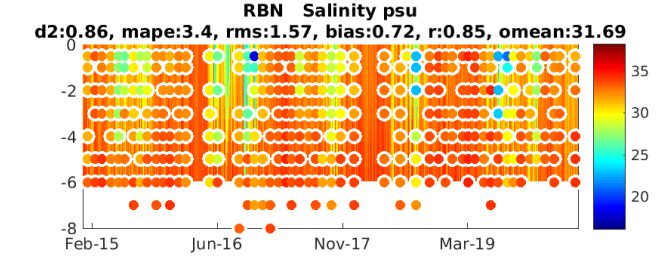

E Oxygen mg/m3
12000
10000
8000
6000
4000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.7
-19.7

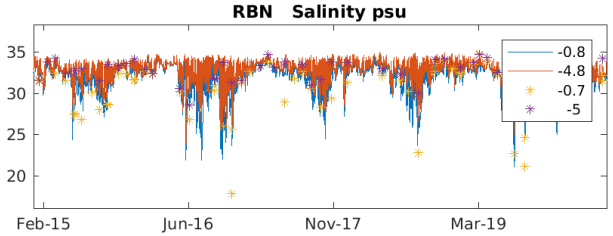

RBN Temp deg.C
d2:0.98, mape:3.8, rms:0.73, bias:-0.22, r:0.97, omean:13.86
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

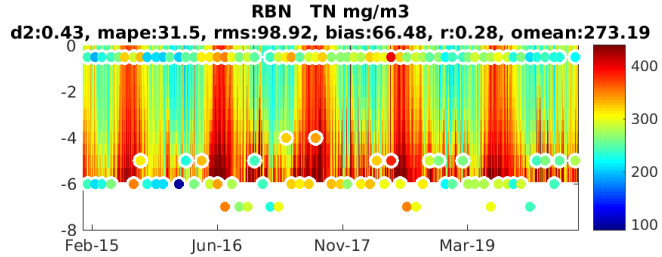

RBN Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.7
-5

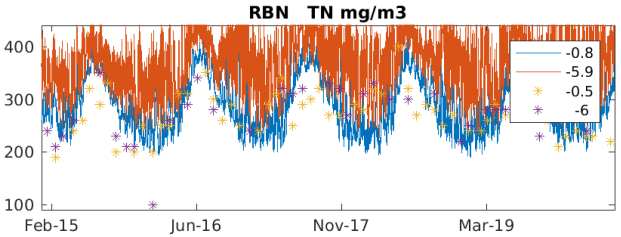

RBN NO3 mg/m3
d2:0.51, mape:1104.2, rms:47.10, bias:35.17, r:0.56, omean:11.31
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20

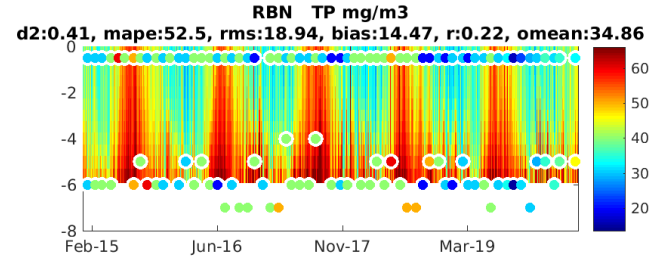

RBN NO3 mg/m3
80
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.5
-6

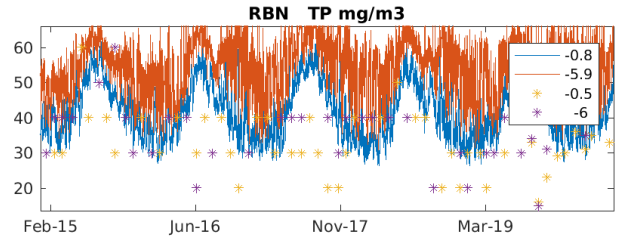

RBN Salinity psu
d2:0.86, mape:3.4, rms:1.57, bias:0.72, r:0.85, omean:31.69
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20

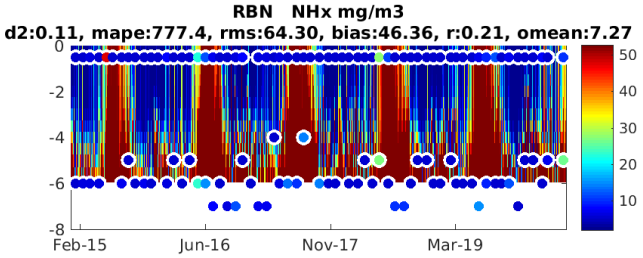

RBN Salinity psu
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.7
-5

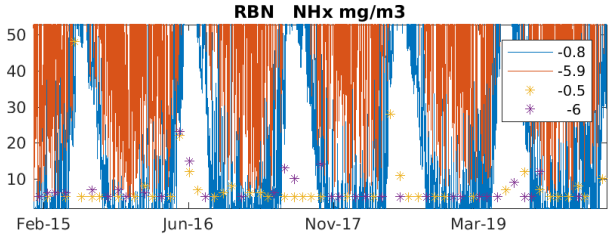

RBN TN mg/m3
d2:0.43, mape:31.5, rms:98.92, bias:66.48, r:0.28, omean:273.19
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

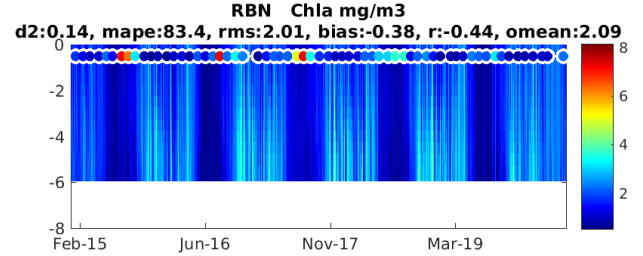

RBN TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.5
-6

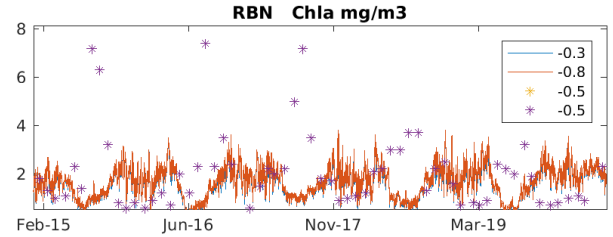

RBN TP mg/m3
d2:0.41, mape:52.5, rms:18.94, bias:14.47, r:0.22, omean:34.86
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20

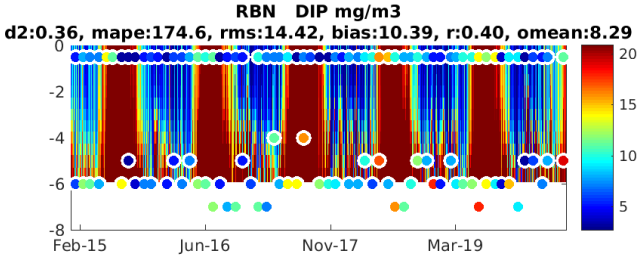

RBN TP mg/m3
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.5
-6

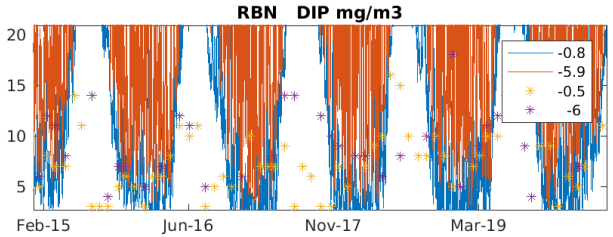

RBN NHx mg/m3
d2:0.11, mape:777.4, rms:64.30, bias:46.36, r:0.21, omean:7.27
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

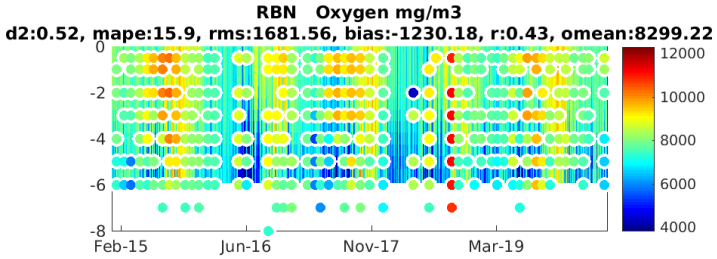

RBN NHx mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.5
-6

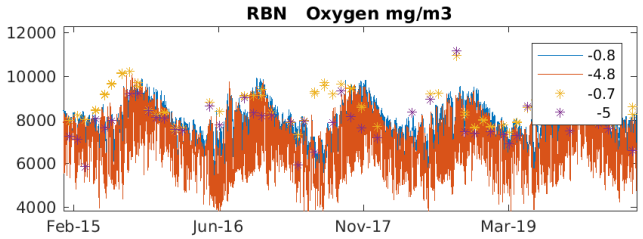

RBN Chla mg/m3
d2:0.14, mape:83.4, rms:2.01, bias:-0.38, r:-0.44, omean:2.09
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
8
6
4
2

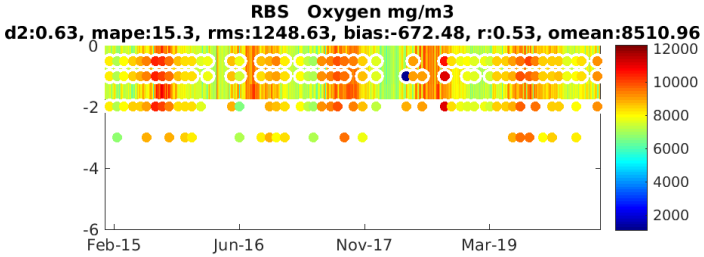

RBN Chla mg/m3
8
6
4
2
Feb-15
Jun-16
Nov-17
Mar-19
-0.3
-0.8
-0.5
-0.5

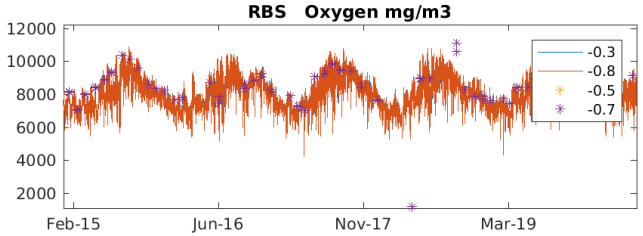

RBN DIP mg/m3
d2:0.36, mape:174.6, rms:14.42, bias:10.39, r:0.40, omean:8.29
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5

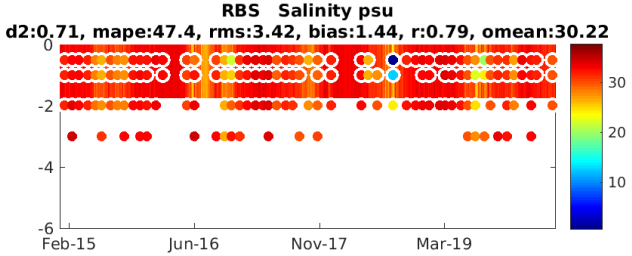

RBN DIP mg/m3
20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.5
-6

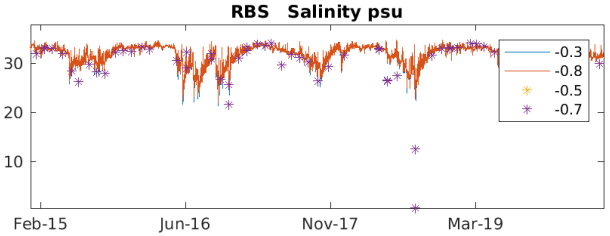

RBN Oxygen mg/m3
d2:0.52, mape:15.9, rms:1681.56, bias:-1230.18, r:0.43, omean:8299.22
0
-2
-4
-6
-8
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000
4000

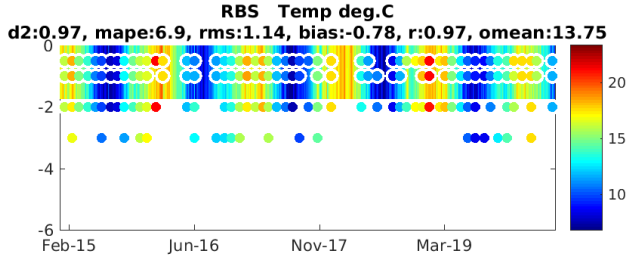

RBN Oxygen mg/m3
12000
10000
8000
6000
4000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.7
-5

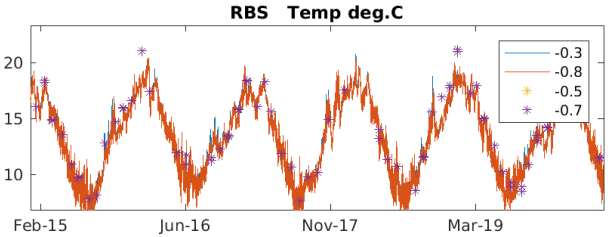

RBS Oxygen mg/m3
d2:0.63, mape:15.3, rms:1248.63, bias:-672.48, r:0.53, omean:8510.96
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000
4000
2000

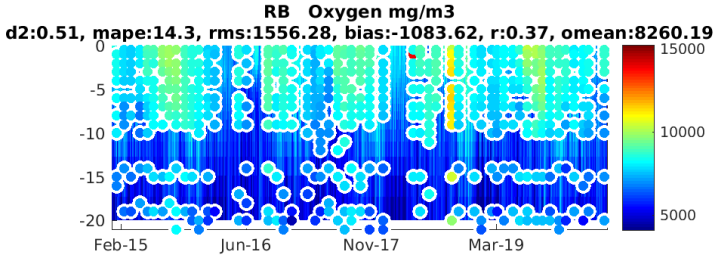

RBS Oxygen mg/m3
12000
10000
8000
6000
4000
2000
Feb-15
Jun-16
Nov-17
Mar-19
-0.3
-0.8
-0.5
-0.7

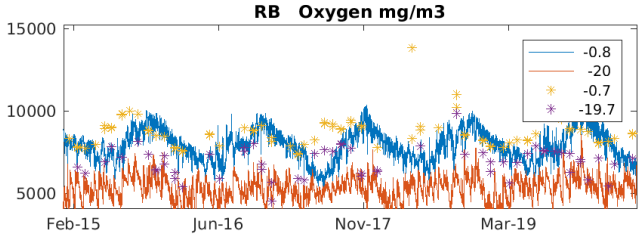

RBS Salinity psu
d2:0.71, mape:47.4, rms:3.42, bias:1.44, r:0.79, omean:30.22
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10

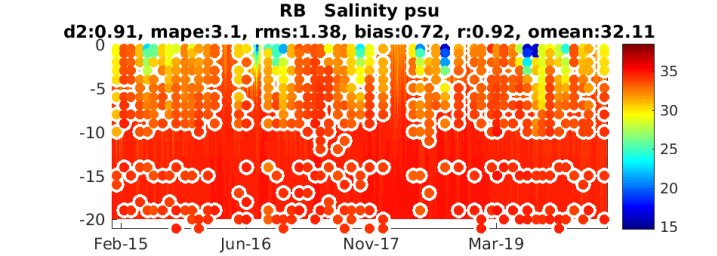

RBS Salinity psu
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.3
-0.8
-0.5
-0.7

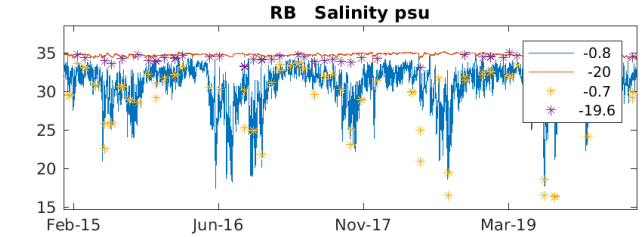

RBS Temp deg.C
d2:0.97, mape:6.9, rms:1.14, bias:-0.78, r:0.97, omean:13.75
0
-2
-4
-6
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

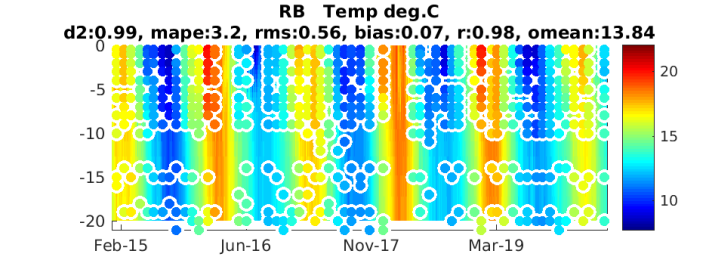

RBS Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.3
-0.8
-0.5
-0.7

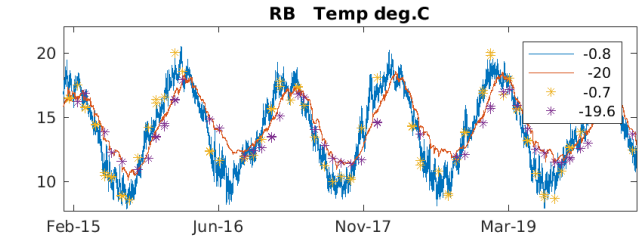

RB Oxygen mg/m3
d2:0.51, mape:14.3, rms:1556.28, bias:-1083.62, r:0.37, omean:8260.19
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
15000
10000
5000

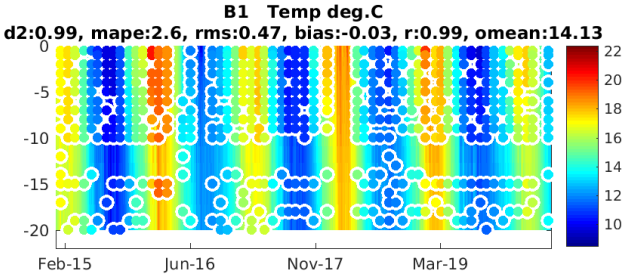

RB Oxygen mg/m3
15000
10000
5000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.7
-19.7

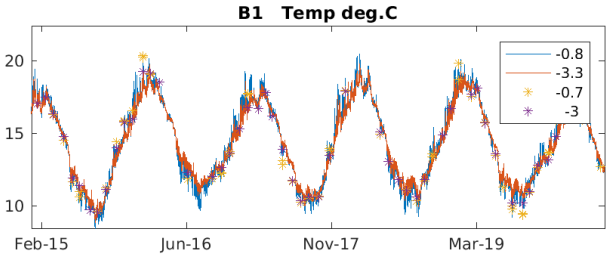

RB Salinity psu
d2:0.91, mape:3.1, rms:1.38, bias:0.72, r:0.92, omean:32.11
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20
15

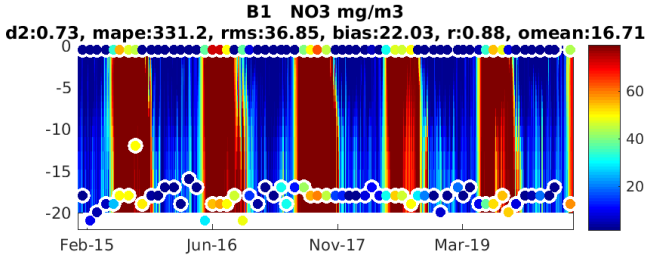

RB Salinity psu
35
30
25
20
15
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.7
-19.6

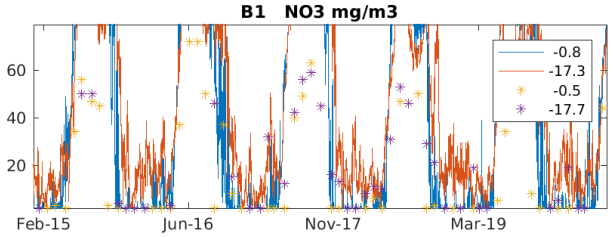

RB Temp deg.C
d2:0.99, mape:3.2, rms:0.56, bias:0.07, r:0.98, omean:13.84
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

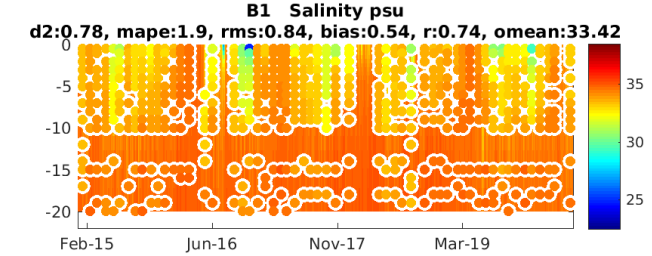

RB Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.7
-19.6

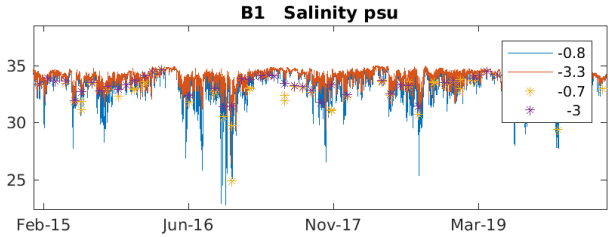

B1 Temp deg.C
d2:0.99, mape:2.6, rms:0.47, bias:-0.03, r:0.99, omean:14.13
0
-5
-10
-15
-20
22
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19

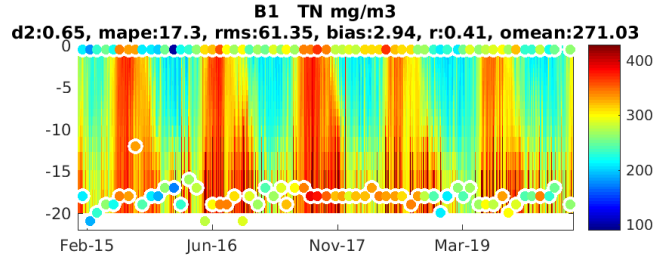

B1 Temp deg.C
20
15
10
-0.8
-3.3
-0.7
-3
Feb-15
Jun-16
Nov-17
Mar-19

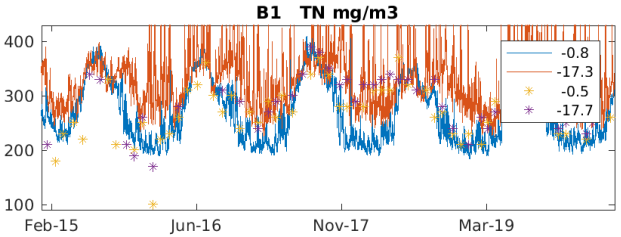

B1 NO3 mg/m3
d2:0.73, mape:331.2, rms:36.85, bias:22.03, r:0.88, omean:16.71
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

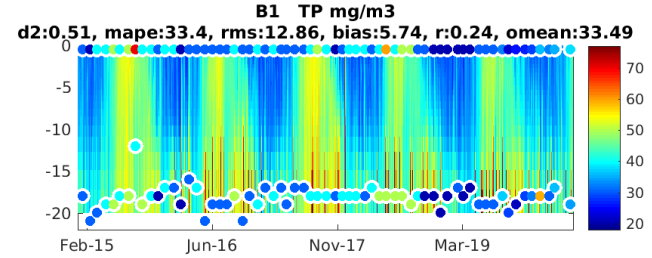

B1 NO3 mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.7

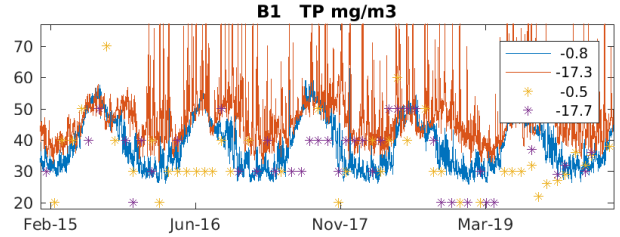

B1 Salinity psu
d2:0.78, mape:1.9, rms:0.84, bias:0.54, r:0.74, omean:33.42
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25

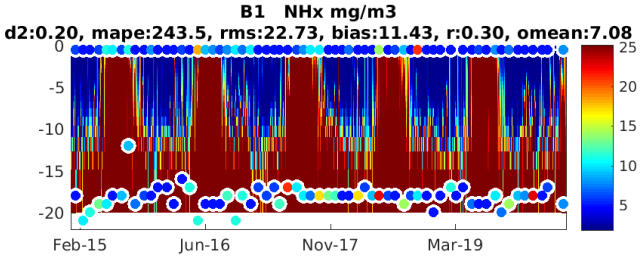

B1 Salinity psu
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-3.3
-0.7
-3

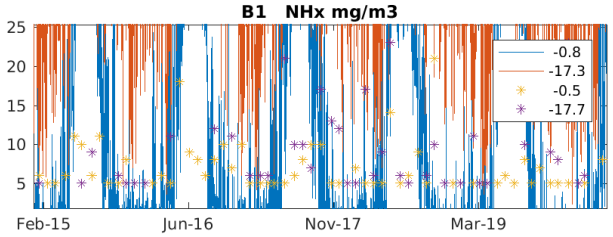

B1 TN mg/m3
d2:0.65, mape:17.3, rms:61.35, bias:2.94, r:0.41, omean:271.03
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

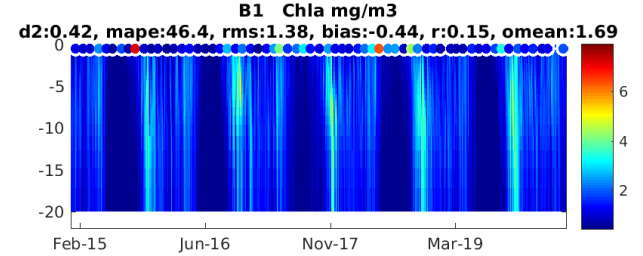

B1 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.7

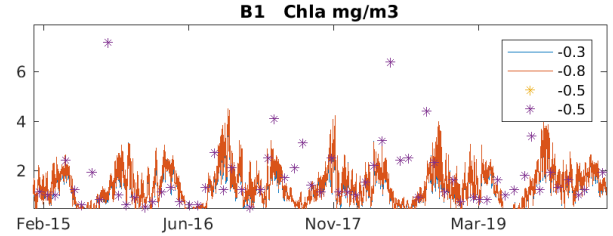

B1 TP mg/m3
d2:0.51, mape:33.4, rms:12.86, bias:5.74, r:0.24, omean:33.49
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
70
60
50
40
30
20

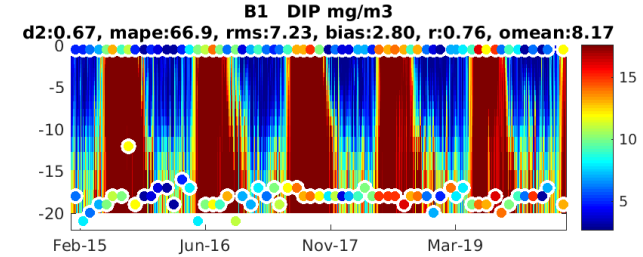

B1 TP mg/m3
70
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.7

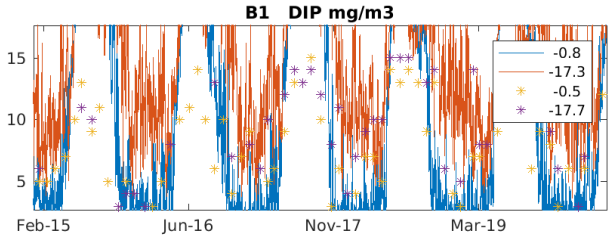

B1 NHx mg/m3
d2:0.20, mape:243.5, rms:22.73, bias:11.43, r:0.30, omean:7.08
0
-5
-10
-15
-20
25
20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

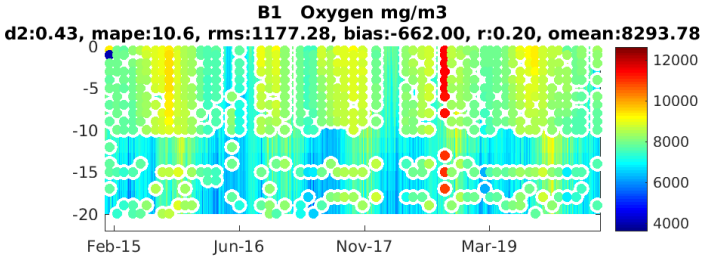

B1 NHx mg/m3
25
20
15
10
5
-0.8
-17.3
-0.5
-17.7
Feb-15
Jun-16
Nov-17
Mar-19

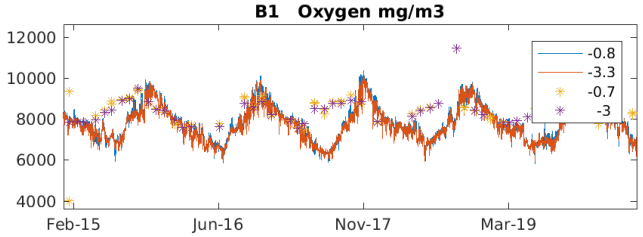

B1 Chla mg/m3
d2:0.42, mape:46.4, rms:1.38, bias:-0.44, r:0.15, omean:1.69
0
-5
-10
-15
-20
6
4
2
Feb-15
Jun-16
Nov-17
Mar-19

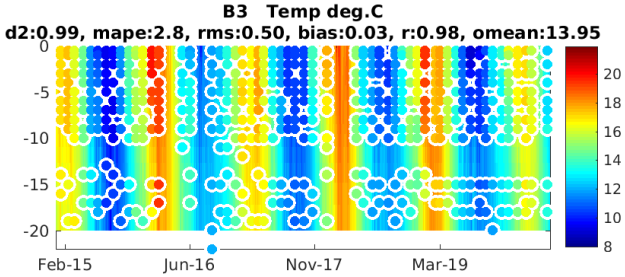

B1 Chla mg/m3
6
4
2
-0.3
-0.8
-0.5
-0.5
Feb-15
Jun-16
Nov-17
Mar-19

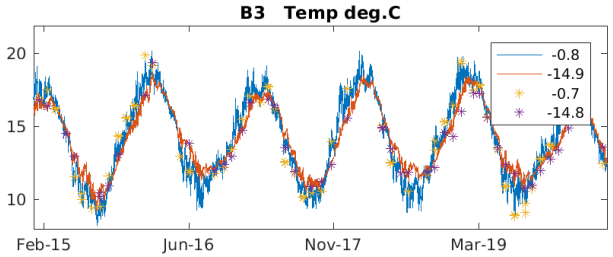

B1 DIP mg/m3
d2:0.67, mape:66.9, rms:7.23, bias:2.80, r:0.76, omean:8.17
0
-5
-10
-15
-20
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19

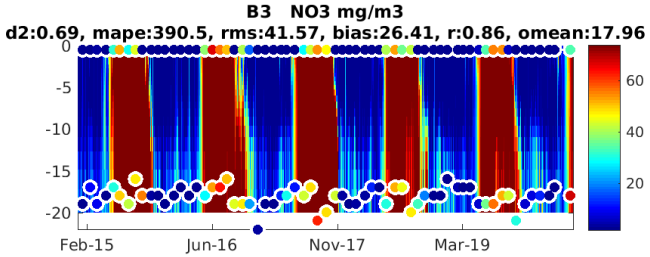

B1 DIP mg/m3
15
10
5
-0.8
-17.3
-0.5
-17.7
Feb-15
Jun-16
Nov-17
Mar-19

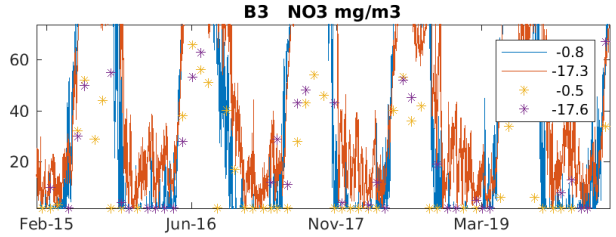

B1 Oxygen mg/m3
d2:0.43, mape:10.6, rms:1177.28, bias:-662.00, r:0.20, omean:8293.78
0
-5
-10
-15
-20
12000
10000
8000
6000
4000
Feb-15
Jun-16
Nov-17
Mar-19

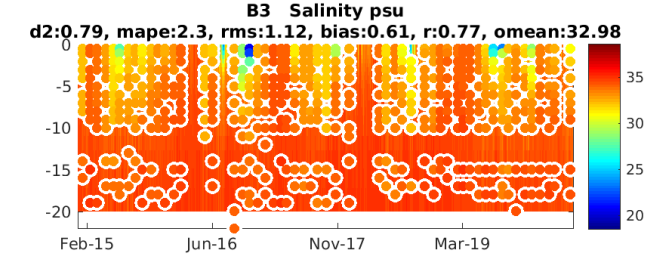

B1 Oxygen mg/m3
12000
10000
8000
6000
4000
-0.8
-3.3
-0.7
-3
Feb-15
Jun-16
Nov-17
Mar-19

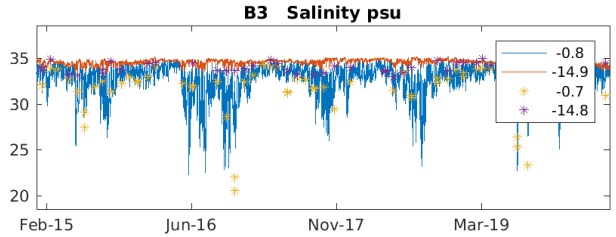

B3 Temp deg.C
d2:0.99, mape:2.8, rms:0.50, bias:0.03, r:0.98, omean:13.95
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
18
16
14
12
10
8

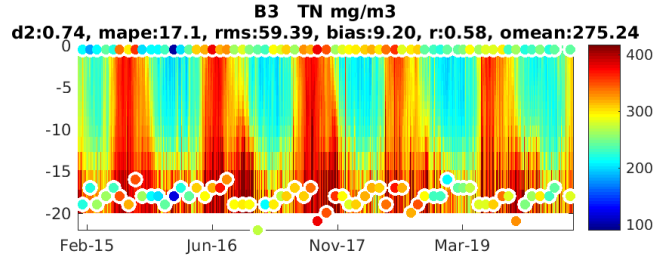

B3 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.7
-14.8

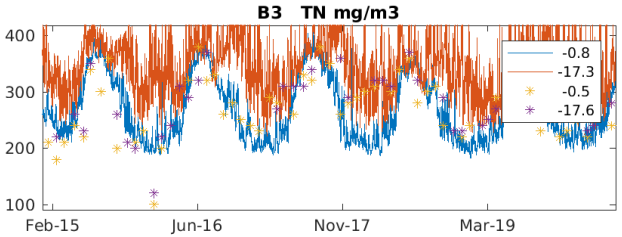

B3 NO3 mg/m3
d2:0.69, mape:390.5, rms:41.57, bias:26.41, r:0.86, omean:17.96
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

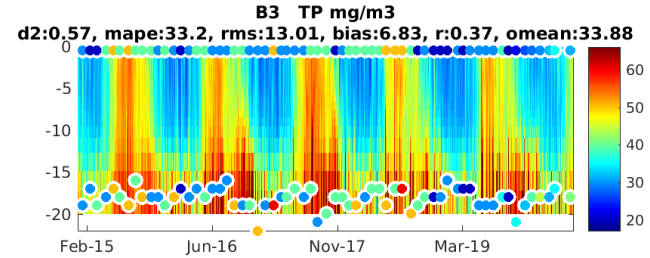

B3 NO3 mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.6

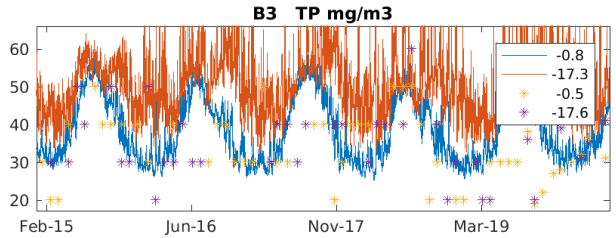

B3 Salinity psu
d2:0.79, mape:2.3, rms:1.12, bias:0.61, r:0.77, omean:32.98
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20

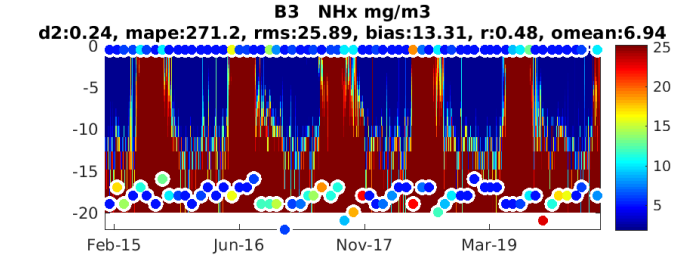

B3 Salinity psu
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.7
-14.8

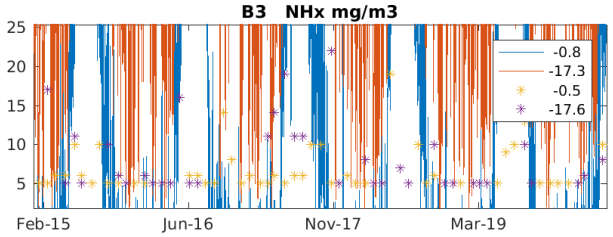

B3 TN mg/m3
d2:0.74, mape:17.1, rms:59.39, bias:9.20, r:0.58, omean:275.24
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

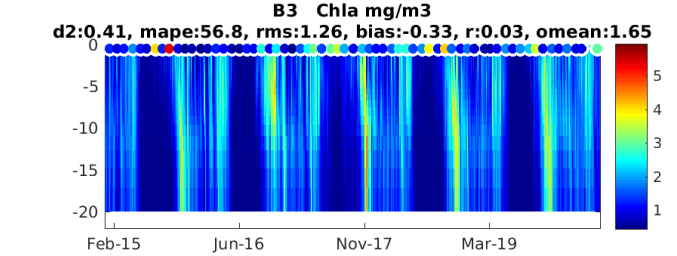

B3 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.6

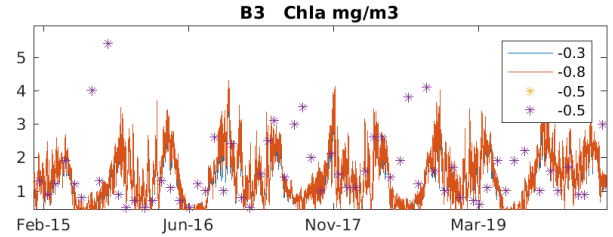

B3 TP mg/m3
d2:0.57, mape:33.2, rms:13.01, bias:6.83, r:0.37, omean:33.88
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20

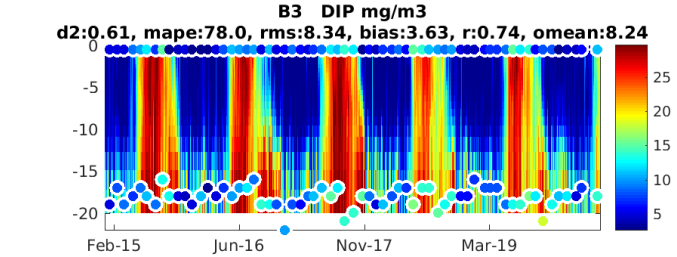

B3 TP mg/m3
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.6

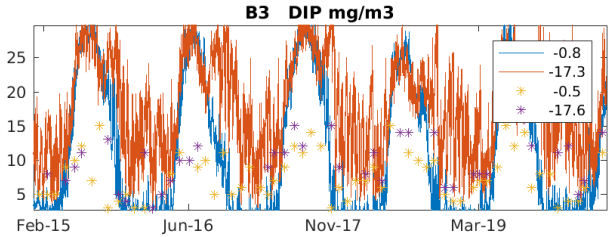

B3 NHx mg/m3
d2:0.24, mape:271.2, rms:25.89, bias:13.31, r:0.48, omean:6.94
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5

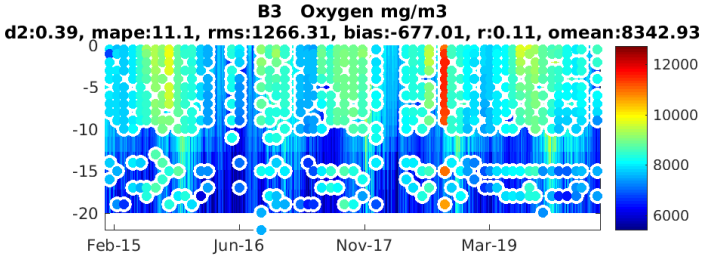

B3 NHx mg/m3
25
20
15
10
5
-0.8
-17.3
-0.5
-17.6
Feb-15
Jun-16
Nov-17
Mar-19

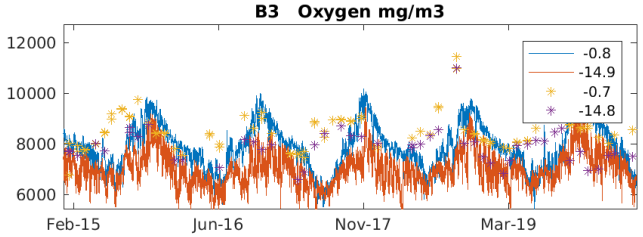

B3 Chla mg/m3
d2:0.41, mape:56.8, rms:1.26, bias:-0.33, r:0.03, omean:1.65
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
5
4
3
2
1

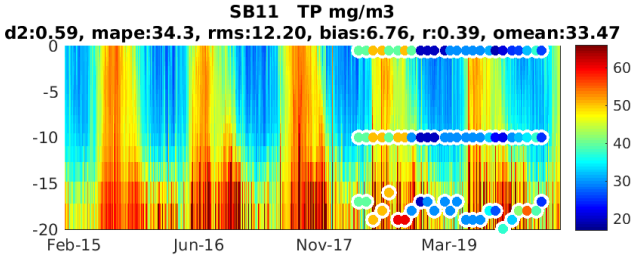

B3 Chla mg/m3
5
4
3
2
1
-0.3
-0.8
-0.5
-0.5
Feb-15
Jun-16
Nov-17
Mar-19

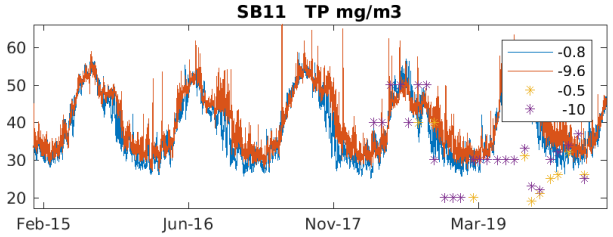

B3 DIP mg/m3
d2:0.61, mape:78.0, rms:8.34, bias:3.63, r:0.74, omean:8.24
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5

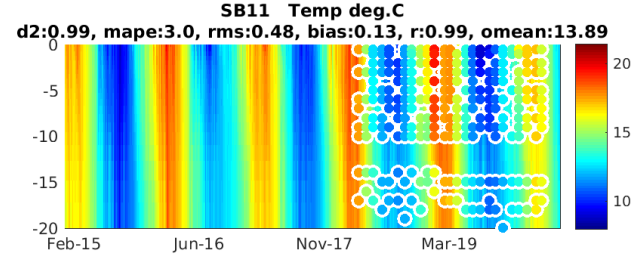

B3 DIP mg/m3
25
20
15
10
5
-0.8
-17.3
-0.5
-17.6
Feb-15
Jun-16
Nov-17
Mar-19

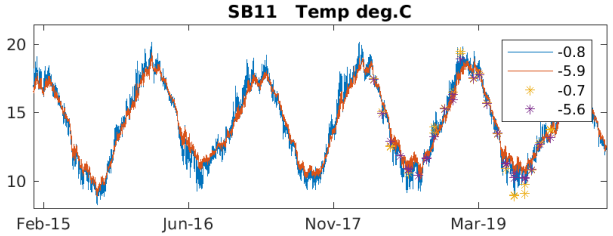

B3 Oxygen mg/m3
d2:0.39, mape:11.1, rms:1266.31, bias:-677.01, r:0.11, omean:8342.93
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000

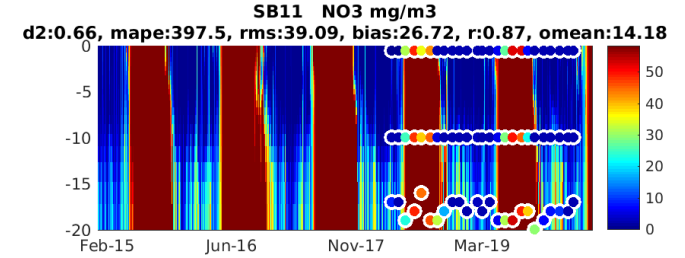

B3 Oxygen mg/m3
12000
10000
8000
6000
-0.8
-14.9
-0.7
-14.8
Feb-15
Jun-16
Nov-17
Mar-19

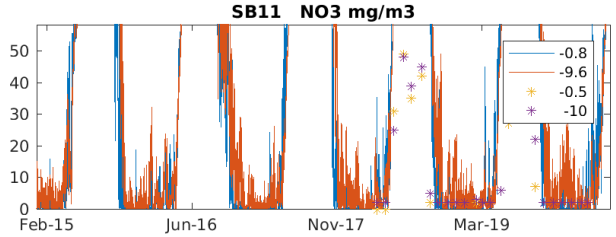

SB11 TP mg/m3
d2:0.59, mape:34.3, rms:12.20, bias:6.76, r:0.39, omean:33.47
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20

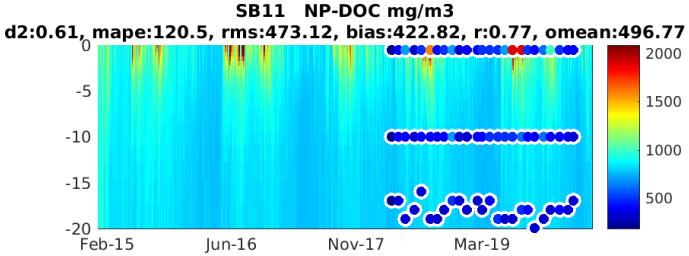

SB11 TP mg/m3
60
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

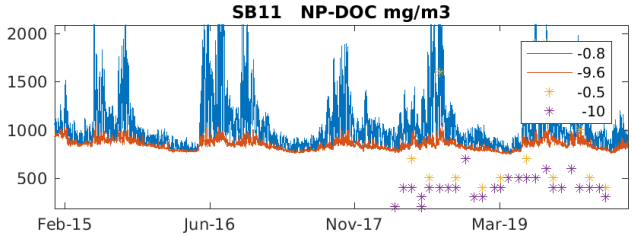

SB11 Temp deg.C
d2:0.99, mape:3.0, rms:0.48, bias:0.13, r:0.99, omean:13.89
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

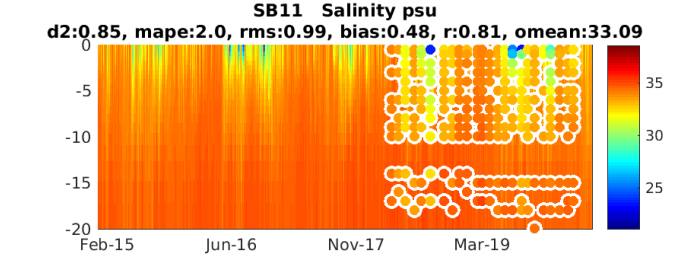

SB11 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.9
-0.7
-5.6

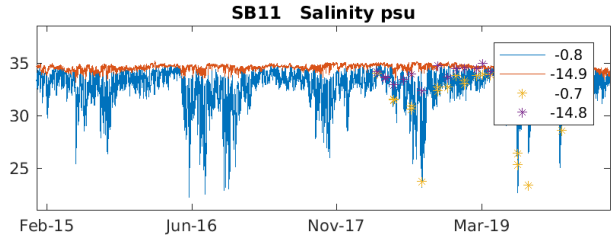

SB11 NO3 mg/m3
d2:0.66, mape:397.5, rms:39.09, bias:26.72, r:0.87, omean:14.18
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

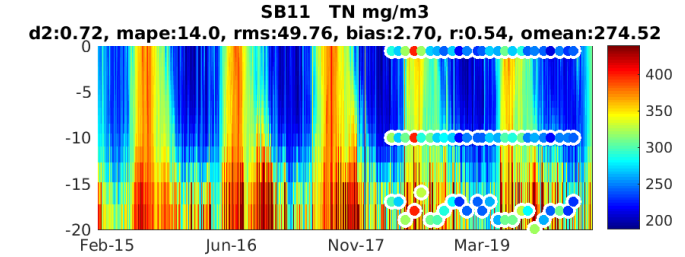

SB11 NO3 mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

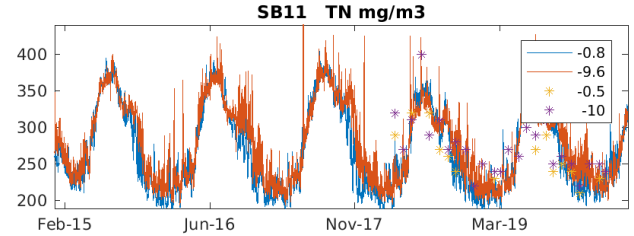

SB11 NP-DOC mg/m3
d2:0.61, mape:120.5, rms:473.12, bias:422.82, r:0.77, omean:496.77
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
2000
1500
1000
500

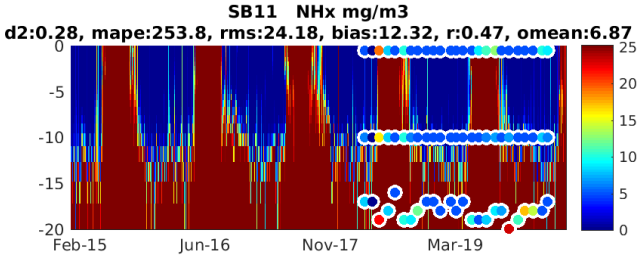

SB11 NP-DOC mg/m3
2000
1500
1000
500
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

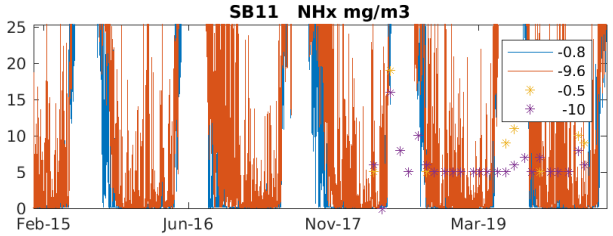

SB11 Salinity psu
d2:0.85, mape:2.0, rms:0.99, bias:0.48, r:0.81, omean:33.09
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25

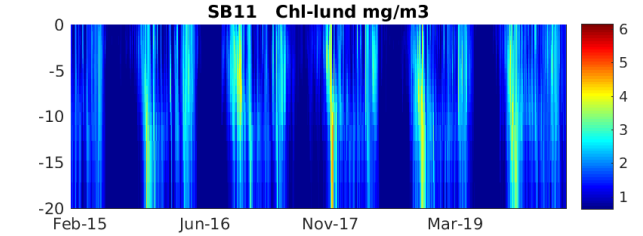

SB11 Salinity psu
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.7
-14.8

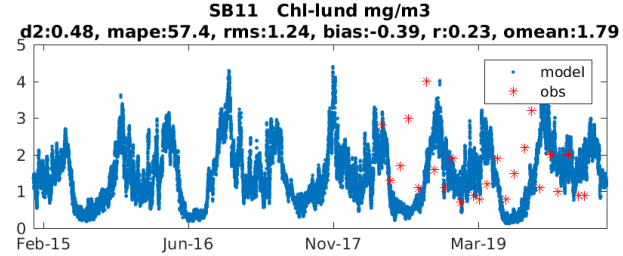

SB11 TN mg/m3
d2:0.72, mape:14.0, rms:49.76, bias:2.70, r:0.54, omean:274.52
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200

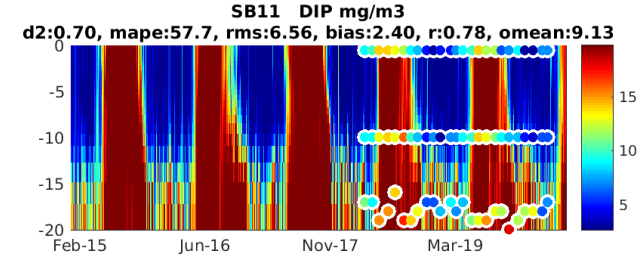

SB11 TN mg/m3
400
350
300
250
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

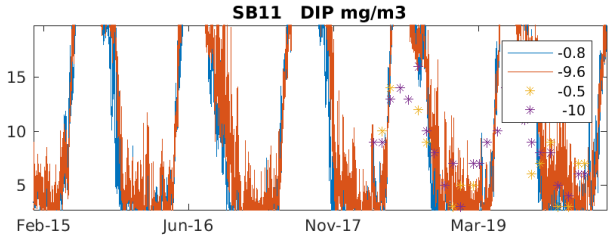

SB11 NHx mg/m3
d2:0.28, mape:253.8, rms:24.18, bias:12.32, r:0.47, omean:6.87
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5
0

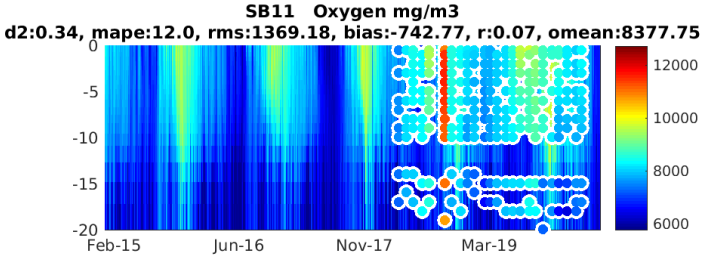

SB11 NHx mg/m3
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

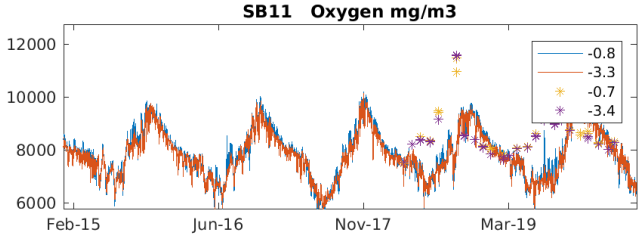

SB11 Chl-lund mg/m3
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
6
5
4
3
2
1

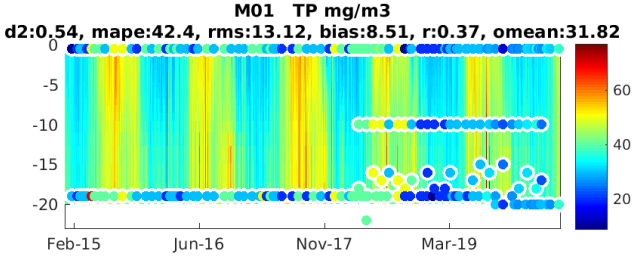

SB11 Chl-lund mg/m3
d2:0.48, mape:57.4, rms:1.24, bias:-0.39, r:0.23, omean:1.79
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

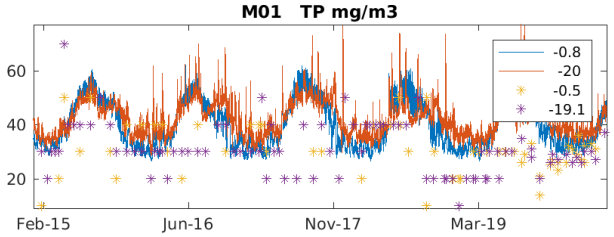

SB11 DIP mg/m3
d2:0.70, mape:57.7, rms:6.56, bias:2.40, r:0.78, omean:9.13
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5

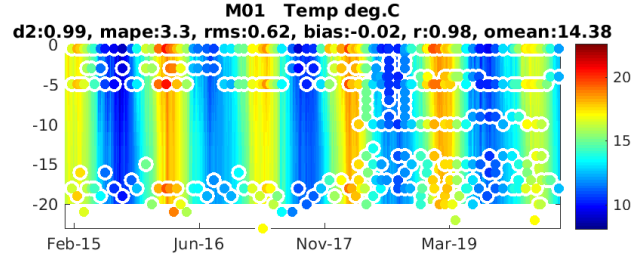

SB11 DIP mg/m3
15
10
5
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

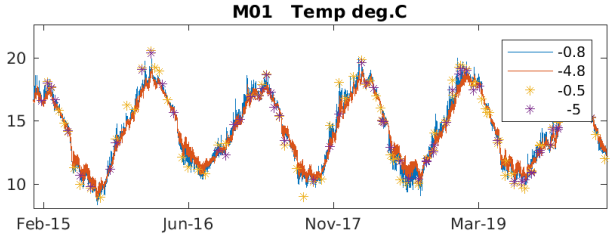

SB11 Oxygen mg/m3
d2:0.34, mape:12.0, rms:1369.18, bias:-742.77, r:0.07, omean:8377.75
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000

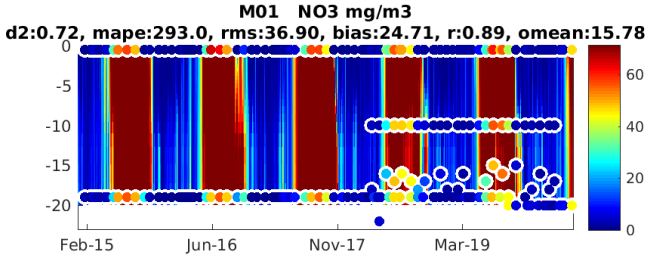

SB11 Oxygen mg/m3
12000
10000
8000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-3.3
-0.7
-3.4

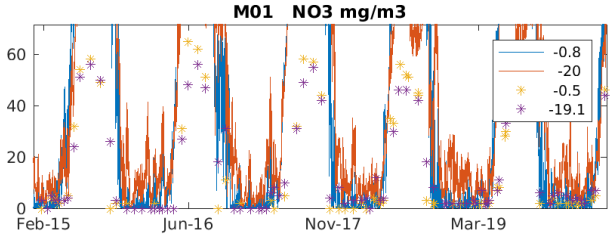

M01 TP mg/m3
d2:0.54, mape:42.4, rms:13.12, bias:8.51, r:0.37, omean:31.82
0
-5
-10
-15
-20
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19

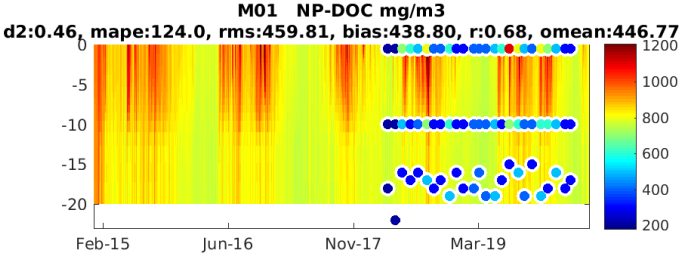

M01 TP mg/m3
60
40
20
-0.8
-20
-0.5
-19.1
Feb-15
Jun-16
Nov-17
Mar-19

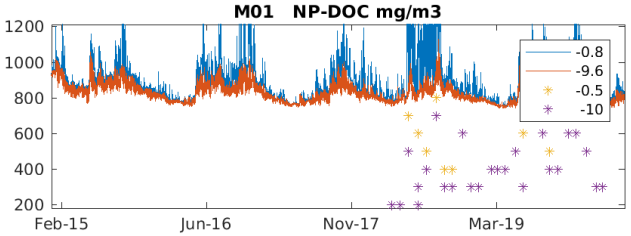

M01 Temp deg.C
d2:0.99, mape:3.3, rms:0.62, bias:-0.02, r:0.98, omean:14.38
0
-5
-10
-15
-20
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19

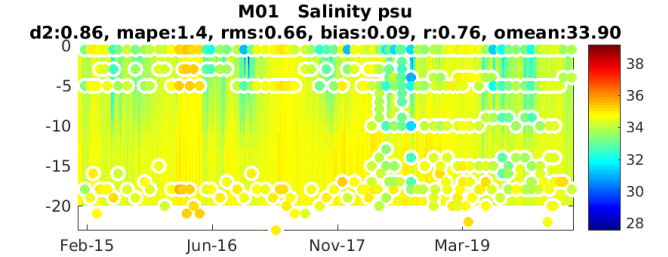

M01 Temp deg.C
20
15
10
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

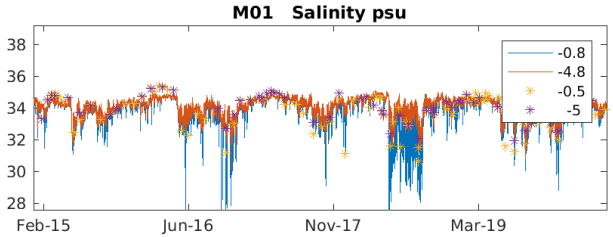

M01 NO3 mg/m3
d2:0.72, mape:293.0, rms:36.90, bias:24.71, r:0.89, omean:15.78
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

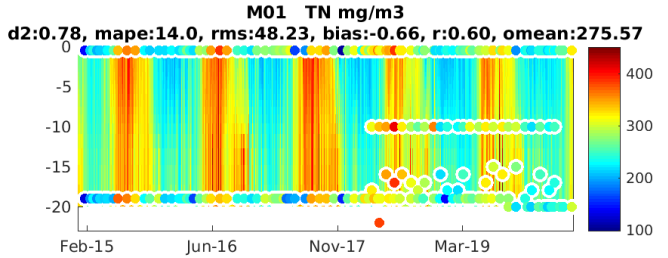

M01 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

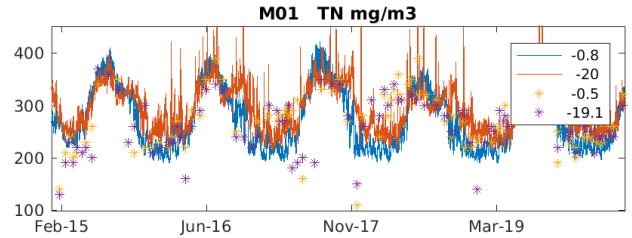

M01 NP-DOC mg/m3
d2:0.46, mape:124.0, rms:459.81, bias:438.80, r:0.68, omean:446.77
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
1200
1000
800
600
400
200

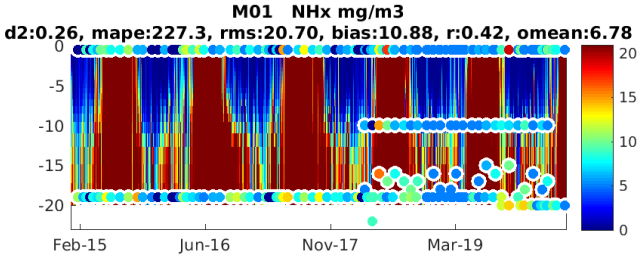

M01 NP-DOC mg/m3
1200
1000
800
600
400
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-9.6
-0.5
-10

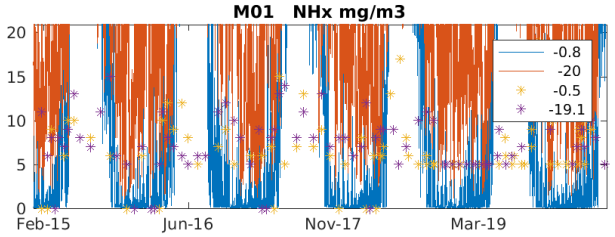

M01 Salinity psu
d2:0.86, mape:1.4, rms:0.66, bias:0.09, r:0.76, omean:33.90
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30
28

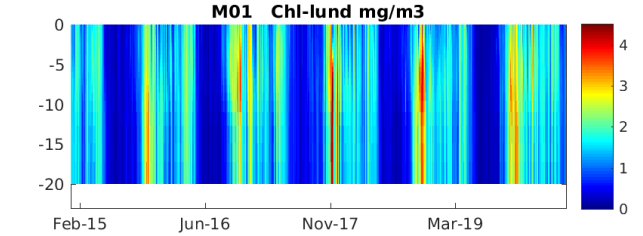

M01 Salinity psu
38
36
34
32
30
28
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

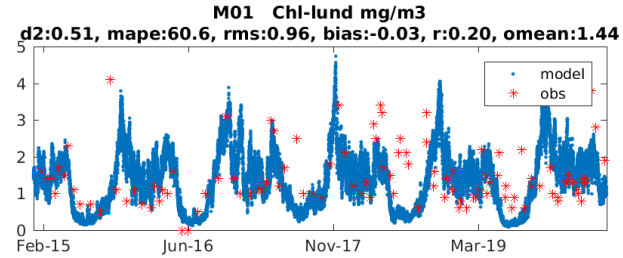

M01 TN mg/m3
d2:0.78, mape:14.0, rms:48.23, bias:-0.66, r:0.60, omean:275.57
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

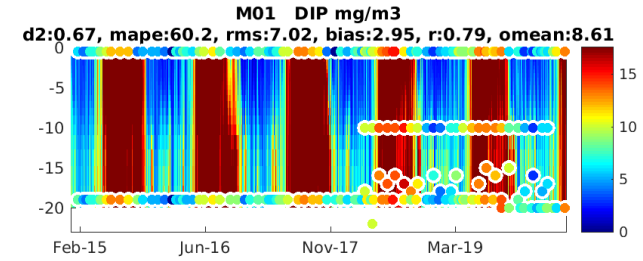

M01 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

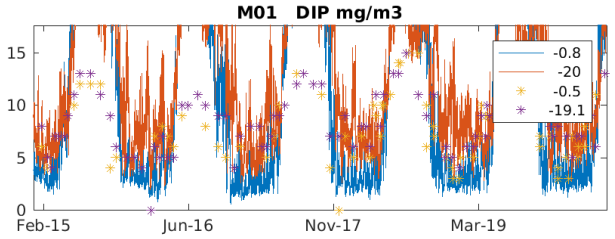

M01 NHx mg/m3
d2:0.26, mape:227.3, rms:20.70, bias:10.88, r:0.42, omean:6.78
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

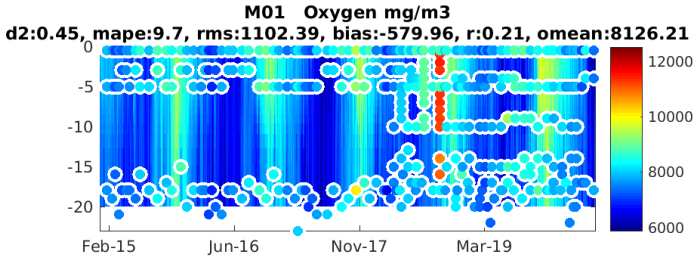

M01 NHx mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

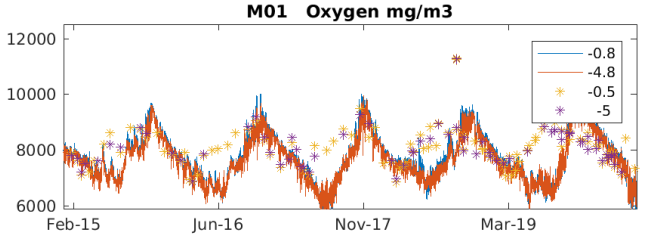

M01 Chl-lund mg/m3
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1
0

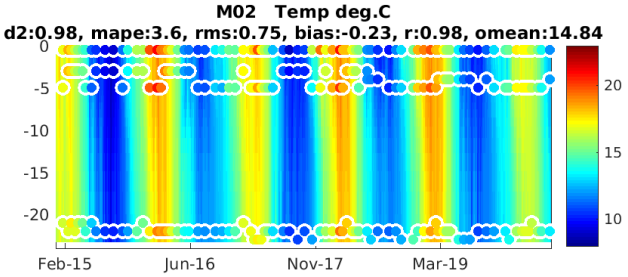

M01 Chl-lund mg/m3
d2:0.51, mape:60.6, rms:0.96, bias:-0.03, r:0.20, omean:1.44
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

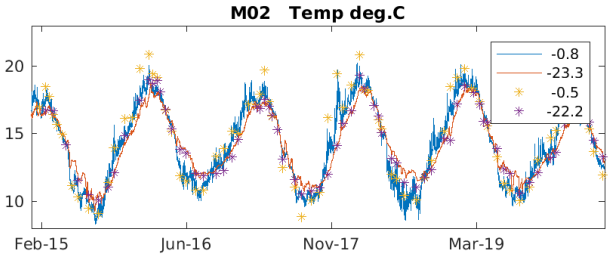

M01 DIP mg/m3
d2:0.67, mape:60.2, rms:7.02, bias:2.95, r:0.79, omean:8.61
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

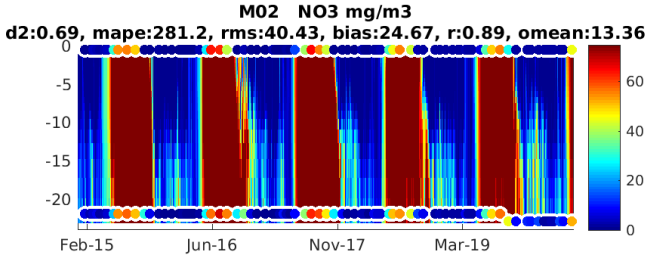

M01 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

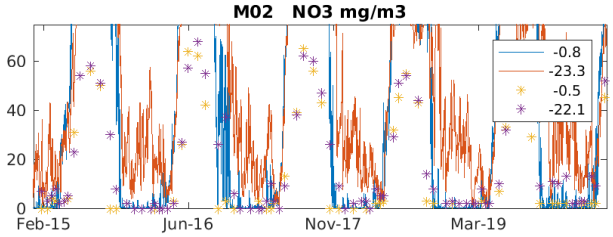

M01 Oxygen mg/m3
d2:0.45, mape:9.7, rms:1102.39, bias:-579.96, r:0.21, omean:8126.21
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000

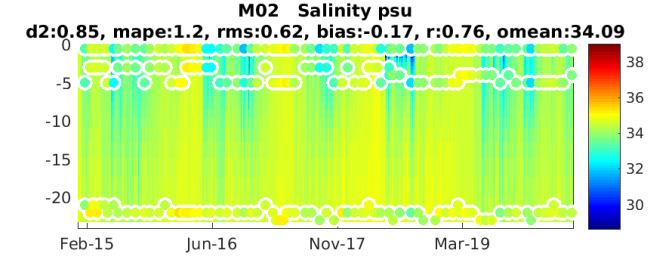

M01 Oxygen mg/m3
12000
10000
8000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

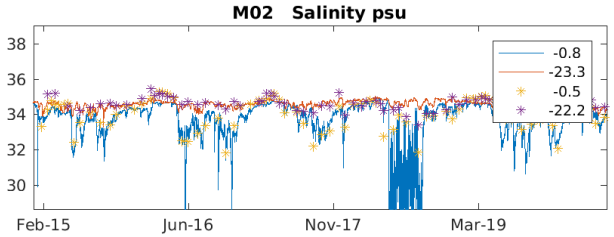

M02 Temp deg.C
d2:0.98, mape:3.6, rms:0.75, bias:-0.23, r:0.98, omean:14.84
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

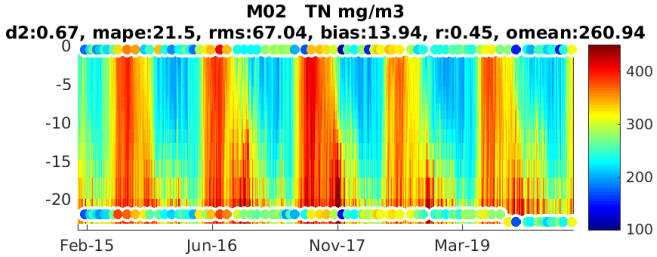

M02 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.2

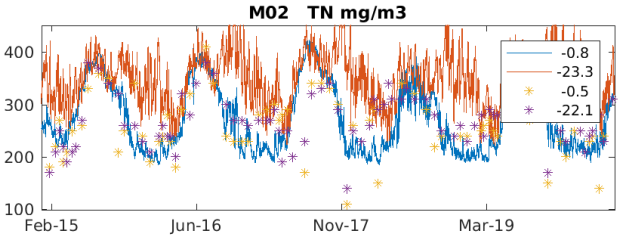

M02 NO3 mg/m3
d2:0.69, mape:281.2, rms:40.43, bias:24.67, r:0.89, omean:13.36
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

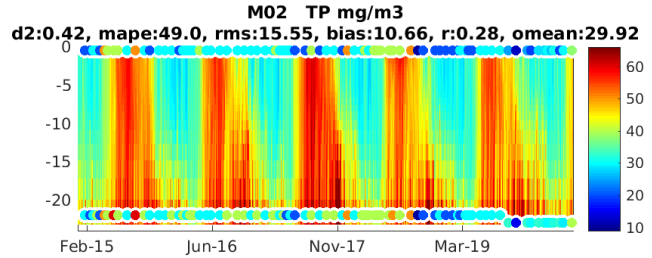

M02 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.1

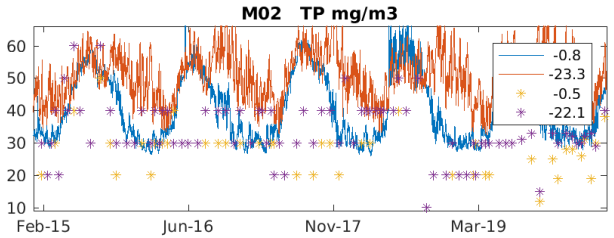

M02 Salinity psu
d2:0.85, mape:1.2, rms:0.62, bias:-0.17, r:0.76, omean:34.09
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

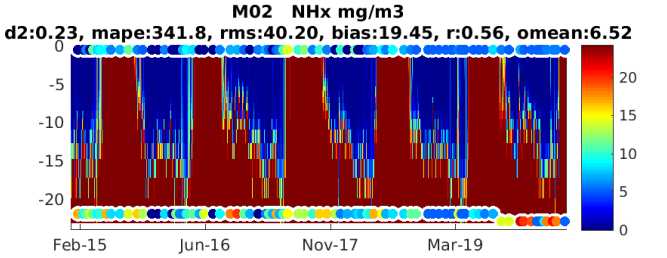

M02 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.2

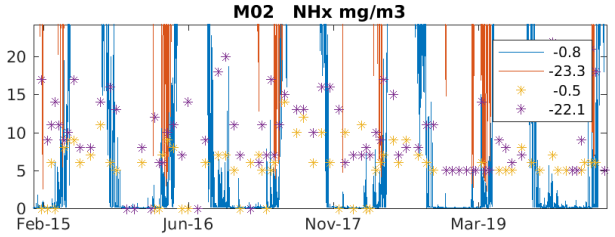

M02 TN mg/m3
d2:0.67, mape:21.5, rms:67.04, bias:13.94, r:0.45, omean:260.94
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

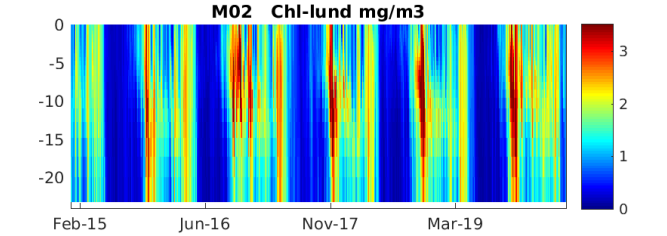

M02 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.1

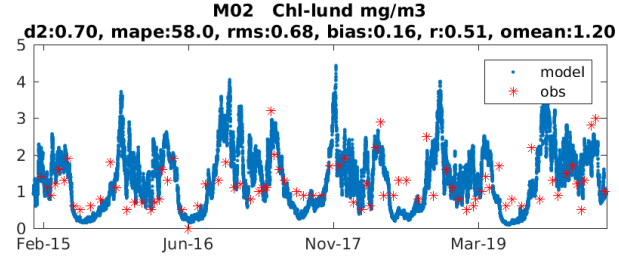

M02 TP mg/m3
d2:0.42, mape:49.0, rms:15.55, bias:10.66, r:0.28, omean:29.92
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20
10

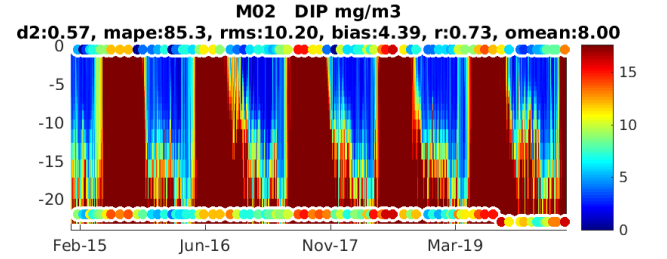

M02 TP mg/m3
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.1

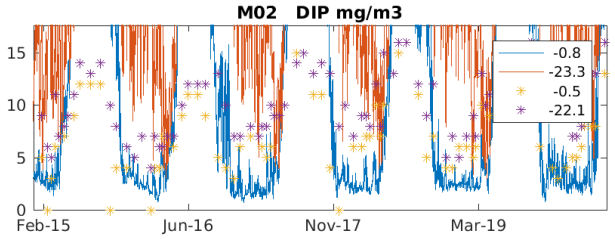

M02 NHx mg/m3
d2:0.23, mape:341.8, rms:40.20, bias:19.45, r:0.56, omean:6.52
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

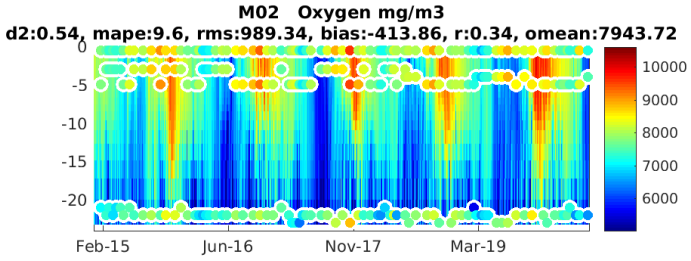

M02 NHx mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.1

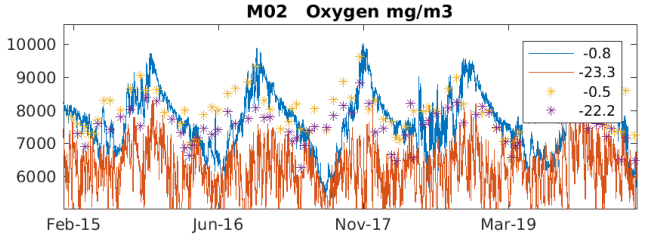

M02 Chl-lund mg/m3
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
3
2
1
0

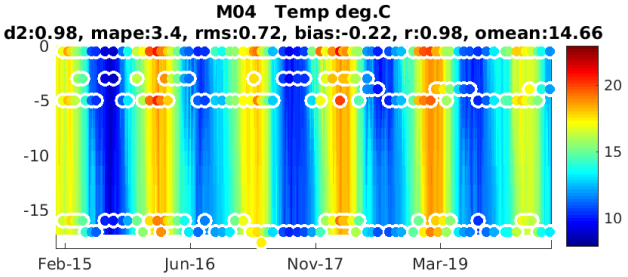

M02 Chl-lund mg/m3
d2:0.70, mape:58.0, rms:0.68, bias:0.16, r:0.51, omean:1.20
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

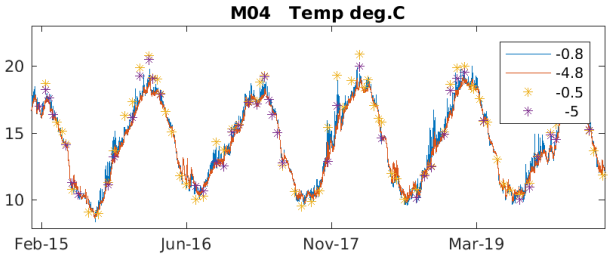

M02 DIP mg/m3
d2:0.57, mape:85.3, rms:10.20, bias:4.39, r:0.73, omean:8.00
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

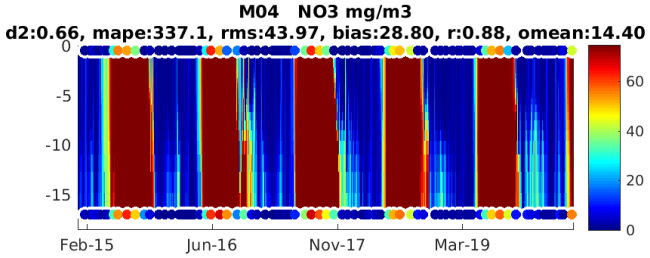

M02 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.1

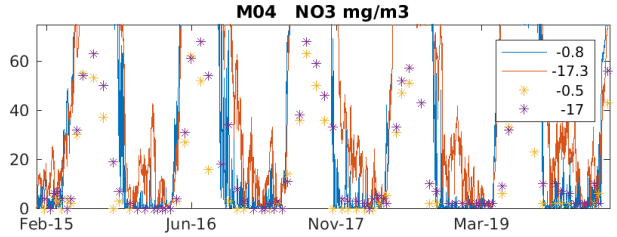

M02 Oxygen mg/m3
d2:0.54, mape:9.6, rms:989.34, bias:-413.86, r:0.34, omean:7943.72
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

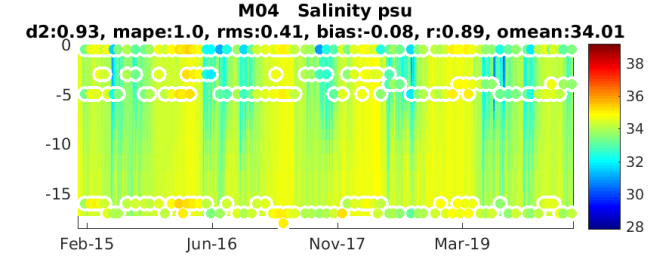

M02 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-23.3
-0.5
-22.2

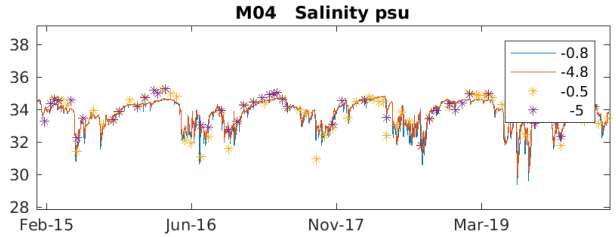

M04 Temp deg.C
d2:0.98, mape:3.4, rms:0.72, bias:-0.22, r:0.98, omean:14.66
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

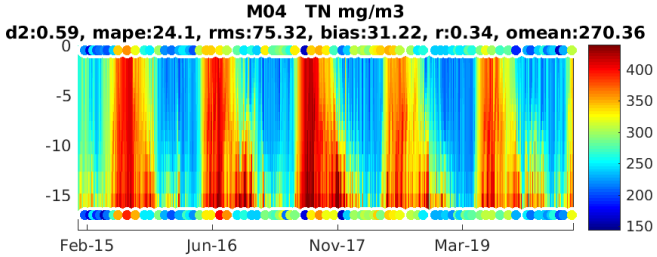

M04 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

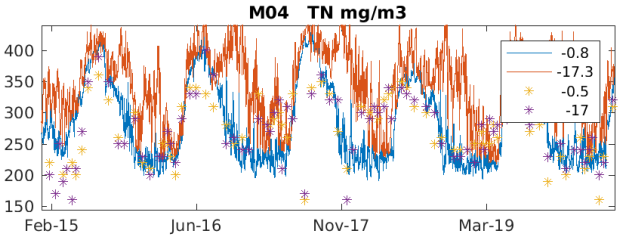

M04 NO3 mg/m3
d2:0.66, mape:337.1, rms:43.97, bias:28.80, r:0.88, omean:14.40
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

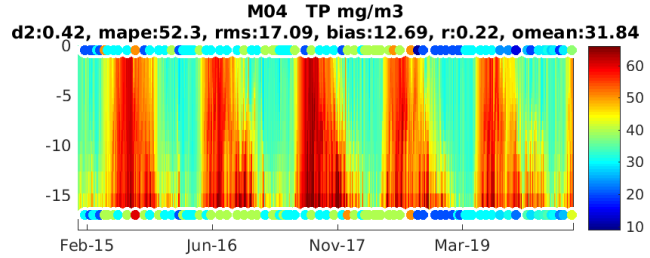

M04 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17

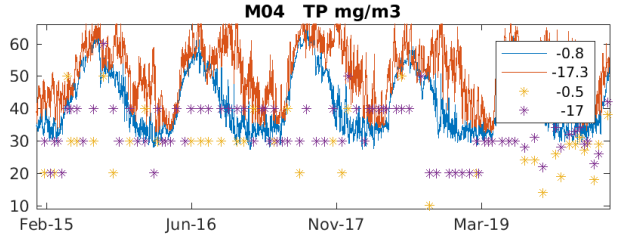

M04 Salinity psu
d2:0.93, mape:1.0, rms:0.41, bias:-0.08, r:0.89, omean:34.01
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30
28

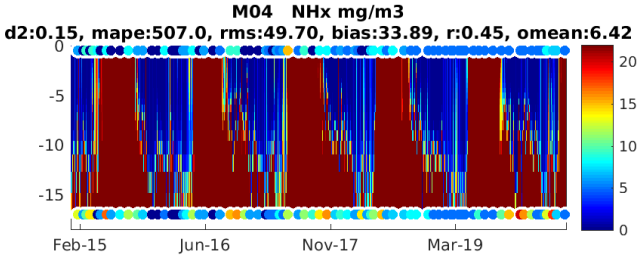

M04 Salinity psu
38
36
34
32
30
28
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

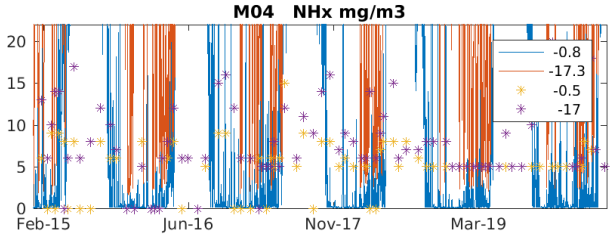

M04 TN mg/m3
d2:0.59, mape:24.1, rms:75.32, bias:31.22, r:0.34, omean:270.36
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

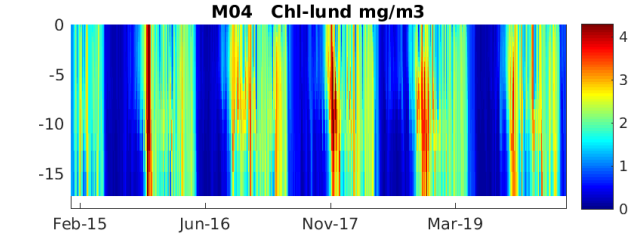

M04 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17

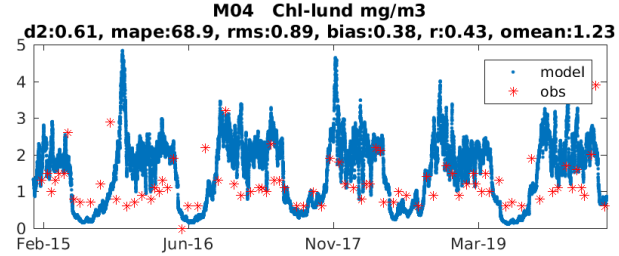

M04 TP mg/m3
d2:0.42, mape:52.3, rms:17.09, bias:12.69, r:0.22, omean:31.84
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20
10

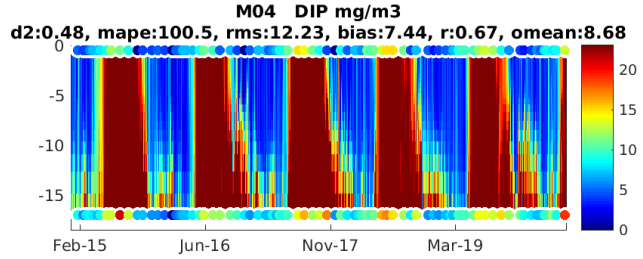

M04 TP mg/m3
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17

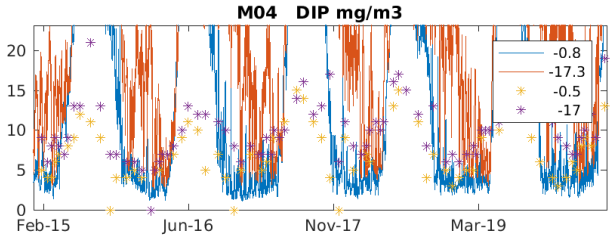

M04 NHx mg/m3
d2:0.15, mape:507.0, rms:49.70, bias:33.89, r:0.45, omean:6.42
0
-5
-10
-15
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

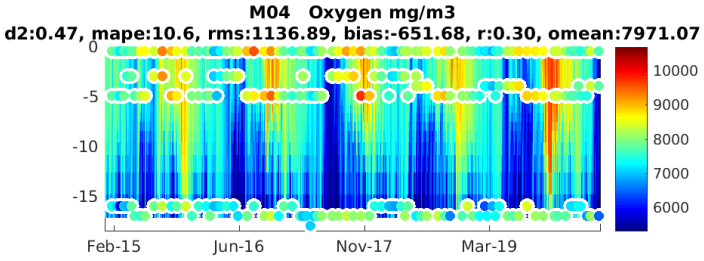

M04 NHx mg/m3
20
15
10
5
0
-0.8
-17.3
-0.5
-17
Feb-15
Jun-16
Nov-17
Mar-19

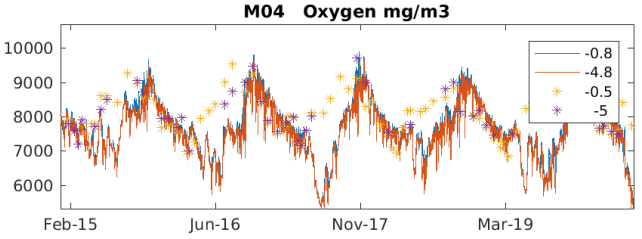

M04 Chl-lund mg/m3
0
-5
-10
-15
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19

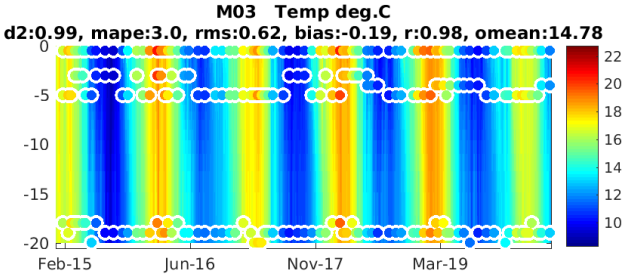

M04 Chl-lund mg/m3
d2:0.61, mape:68.9, rms:0.89, bias:0.38, r:0.43, omean:1.23
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

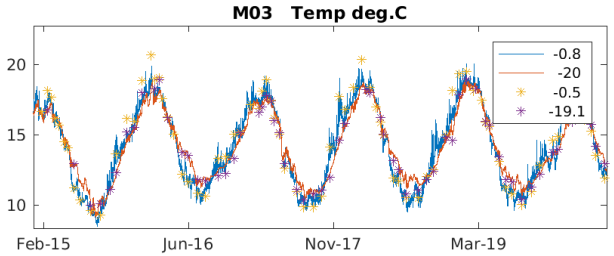

M04 DIP mg/m3
d2:0.48, mape:100.5, rms:12.23, bias:7.44, r:0.67, omean:8.68
0
-5
-10
-15
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

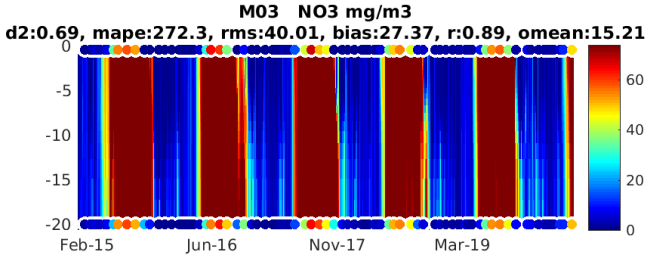

M04 DIP mg/m3
20
15
10
5
0
-0.8
-17.3
-0.5
-17
Feb-15
Jun-16
Nov-17
Mar-19

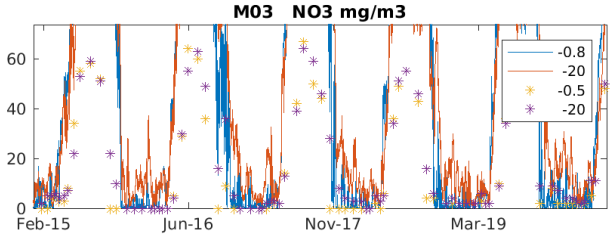

M04 Oxygen mg/m3
d2:0.47, mape:10.6, rms:1136.89, bias:-651.68, r:0.30, omean:7971.07
0
-5
-10
-15
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19

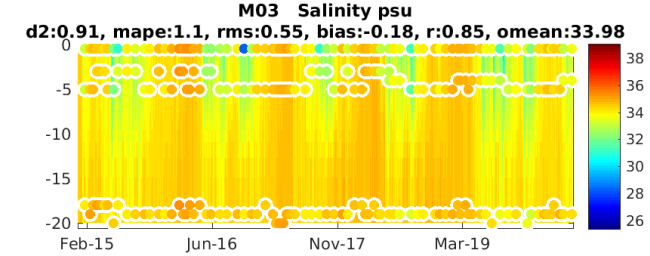

M04 Oxygen mg/m3
10000
9000
8000
7000
6000
-0.8
-4.8
-0.5
-5
Feb-15
Jun-16
Nov-17
Mar-19

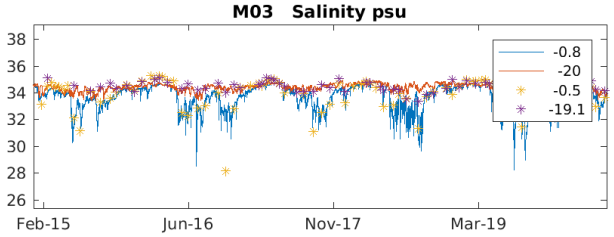

M03 Temp deg.C
d2:0.99, mape:3.0, rms:0.62, bias:-0.19, r:0.98, omean:14.78
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

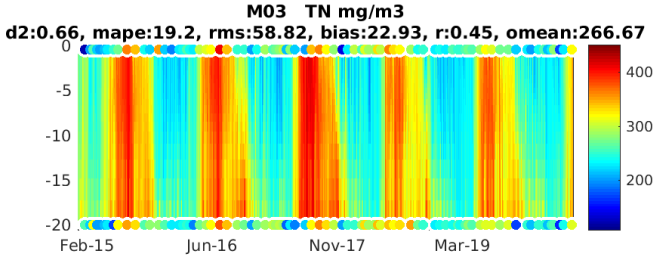

M03 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

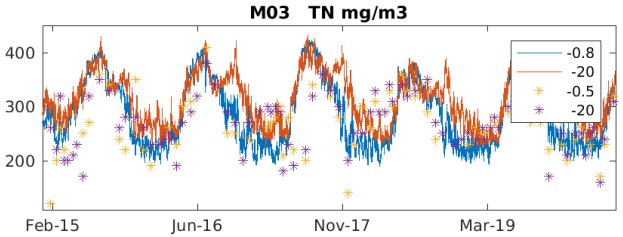

M03 NO3 mg/m3
d2:0.69, mape:272.3, rms:40.01, bias:27.37, r:0.89, omean:15.21
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

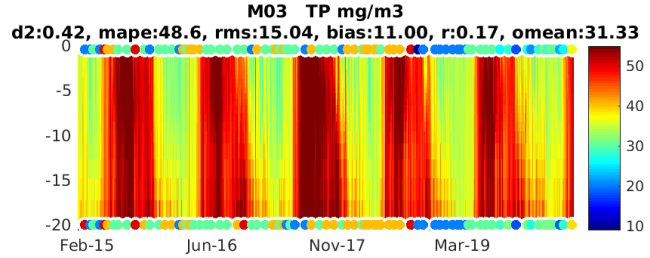

M03 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20

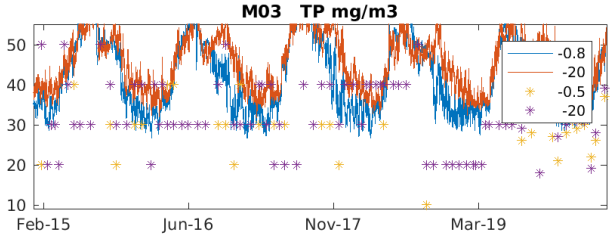

M03 Salinity psu
d2:0.91, mape:1.1, rms:0.55, bias:-0.18, r:0.85, omean:33.98
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30
28
26

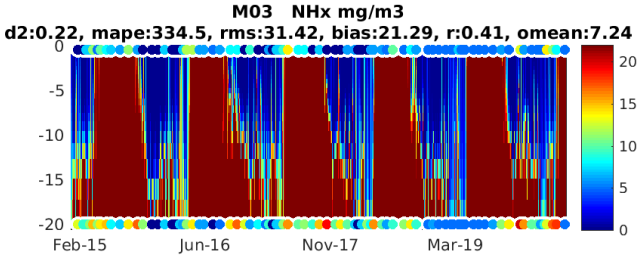

M03 Salinity psu
38
36
34
32
30
28
26
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

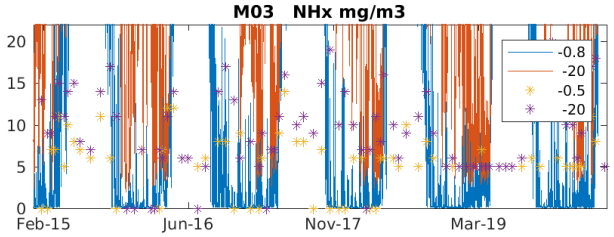

M03 TN mg/m3
d2:0.66, mape:19.2, rms:58.82, bias:22.93, r:0.45, omean:266.67
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200

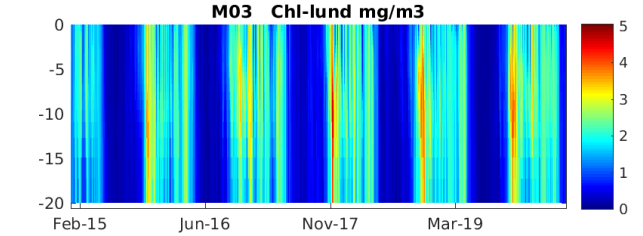

M03 TN mg/m3
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20

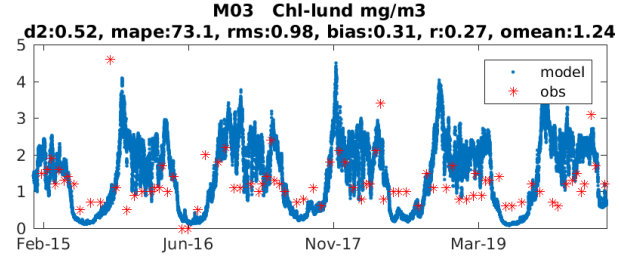

M03 TP mg/m3
d2:0.42, mape:48.6, rms:15.04, bias:11.00, r:0.17, omean:31.33
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

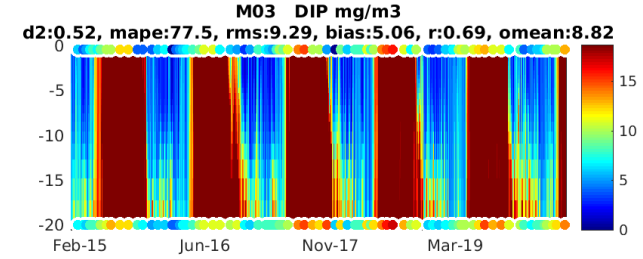

M03 TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20

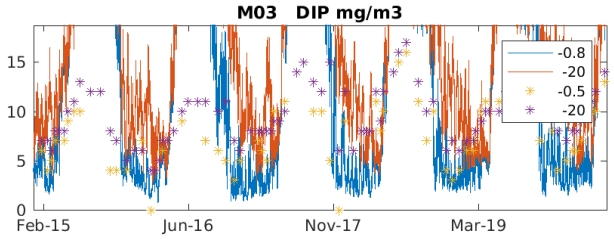

M03 NHx mg/m3
d2:0.22, mape:334.5, rms:31.42, bias:21.29, r:0.41, omean:7.24
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

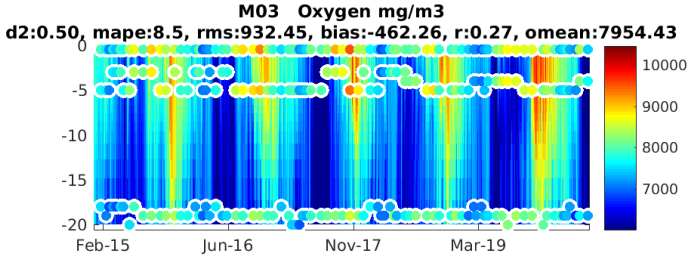

M03 NHx mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20

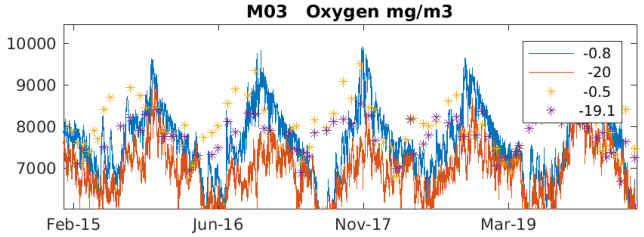

M03 Chl-lund mg/m3
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
5
4
3
2
1
0

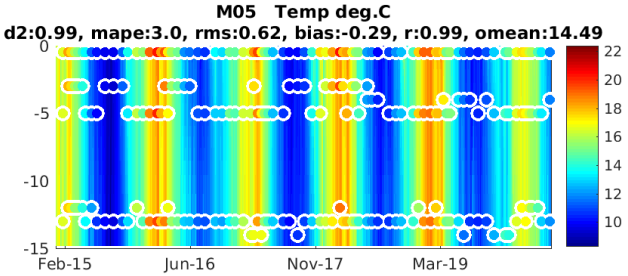

M03 Chl-lund mg/m3
d2:0.52, mape:73.1, rms:0.98, bias:0.31, r:0.27, omean:1.24
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

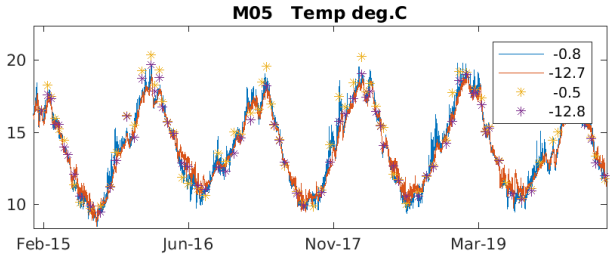

M03 DIP mg/m3
d2:0.52, mape:77.5, rms:9.29, bias:5.06, r:0.69, omean:8.82
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

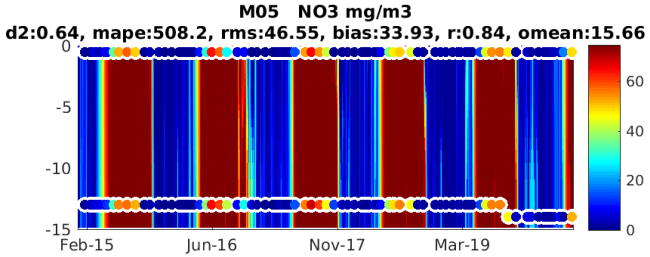

M03 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-20

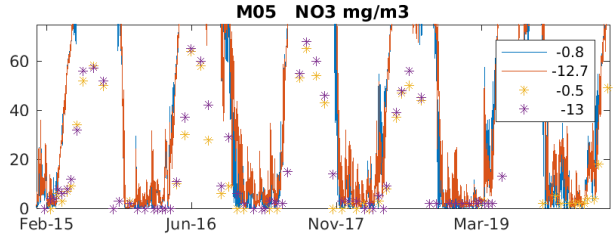

M03 Oxygen mg/m3
d2:0.50, mape:8.5, rms:932.45, bias:-462.26, r:0.27, omean:7954.43
0
-5
-10
-15
-20
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

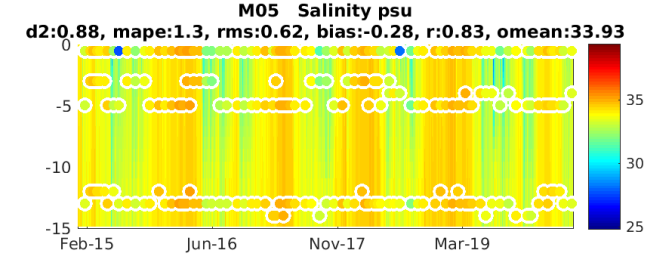

M03 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-20
-0.5
-19.1

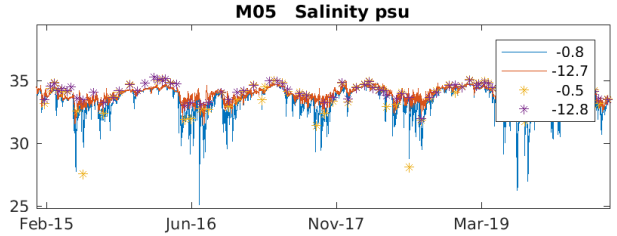

M05 Temp deg.C
d2:0.99, mape:3.0, rms:0.62, bias:-0.29, r:0.99, omean:14.49
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

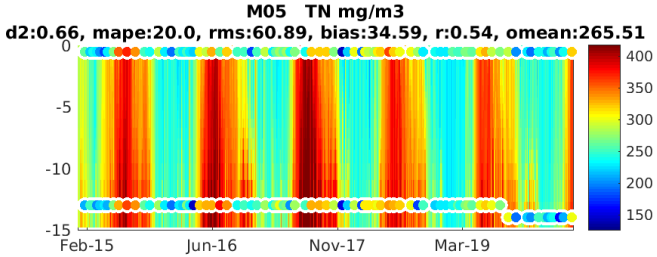

M05 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-12.8

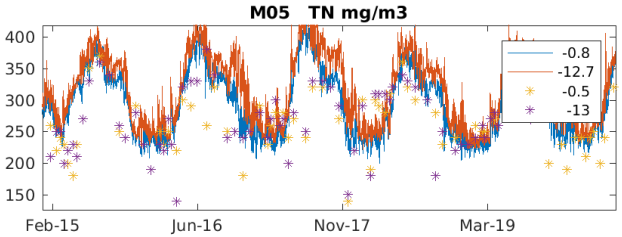

M05 NO3 mg/m3
d2:0.64, mape:508.2, rms:46.55, bias:33.93, r:0.84, omean:15.66
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

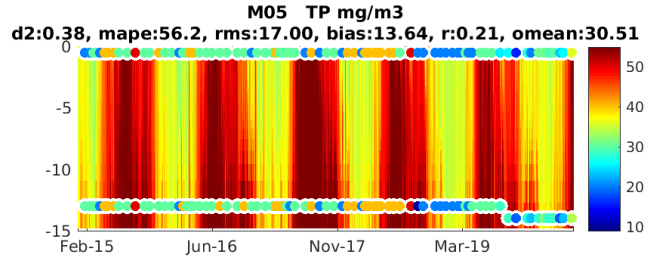

M05 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

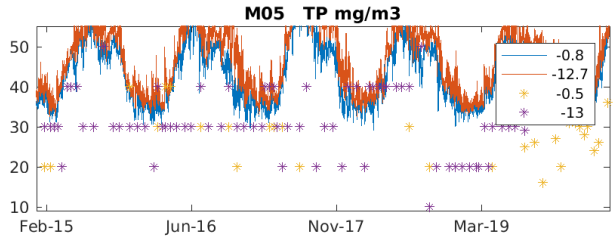

M05 Salinity psu
d2:0.88, mape:1.3, rms:0.62, bias:-0.28, r:0.83, omean:33.93
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25

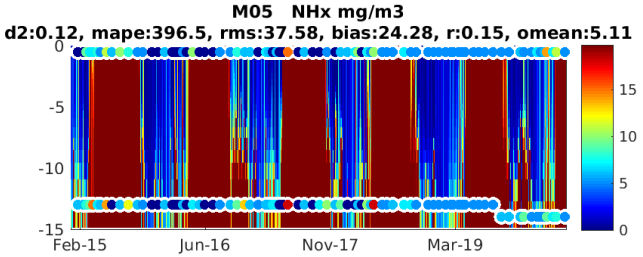

M05 Salinity psu
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-12.8

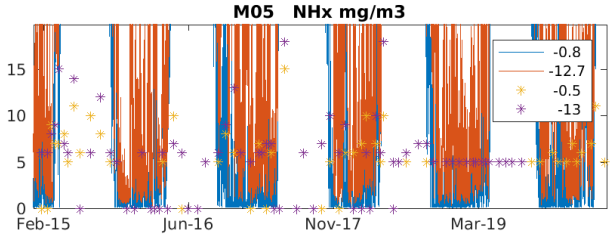

M05 TN mg/m3
d2:0.66, mape:20.0, rms:60.89, bias:34.59, r:0.54, omean:265.51
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

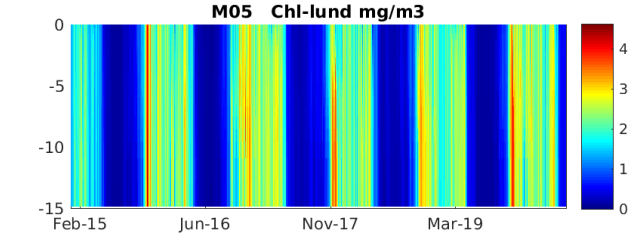

M05 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

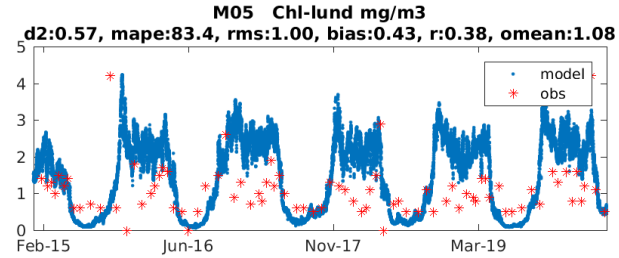

M05 TP mg/m3
d2:0.38, mape:56.2, rms:17.00, bias:13.64, r:0.21, omean:30.51
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

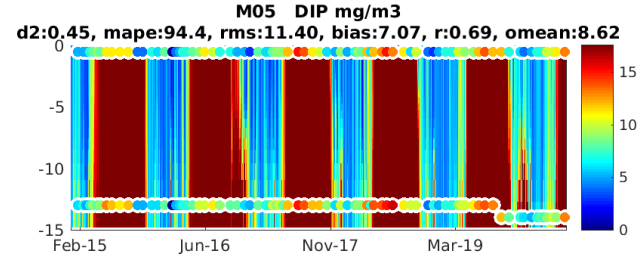

M05 TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

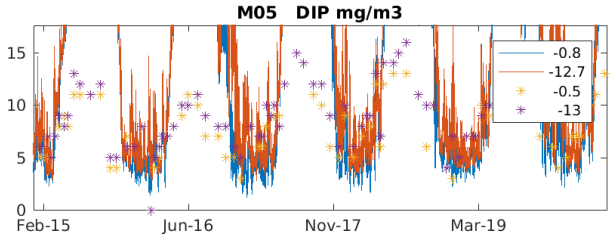

M05 NHx mg/m3
d2:0.12, mape:396.5, rms:37.58, bias:24.28, r:0.15, omean:5.11
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

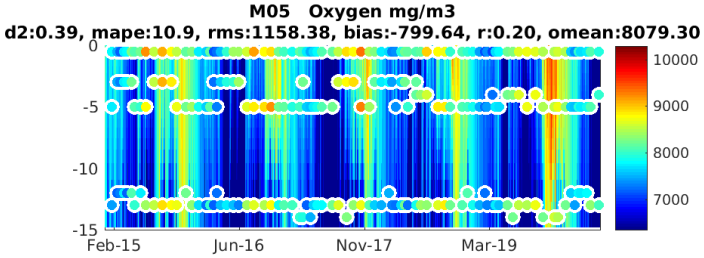

M05 NHx mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

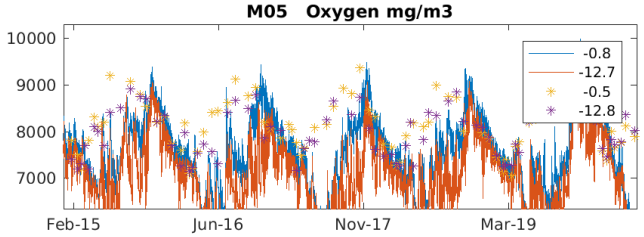

M05 Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1
0

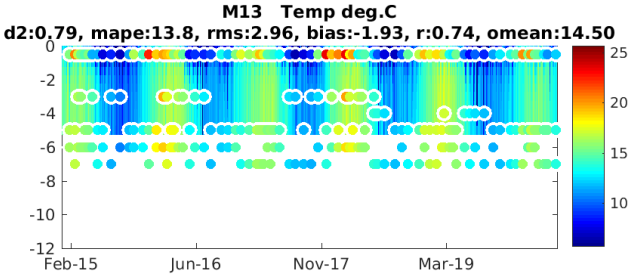

M05 Chl-lund mg/m3
d2:0.57, mape:83.4, rms:1.00, bias:0.43, r:0.38, omean:1.08
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

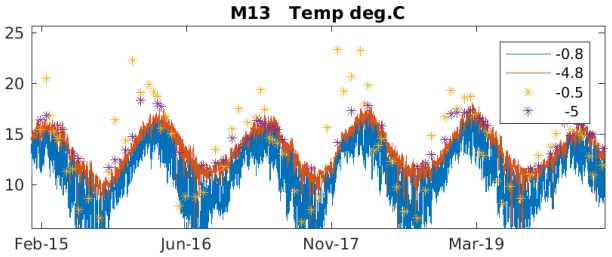

M05 DIP mg/m3
d2:0.45, mape:94.4, rms:11.40, bias:7.07, r:0.69, omean:8.62
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

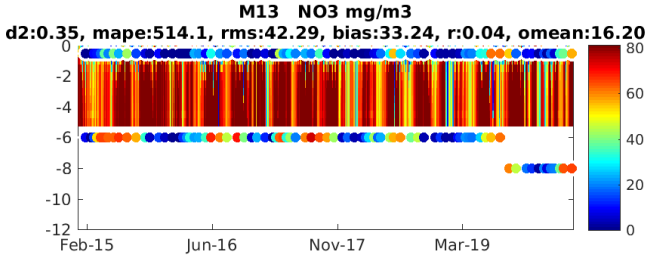

M05 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

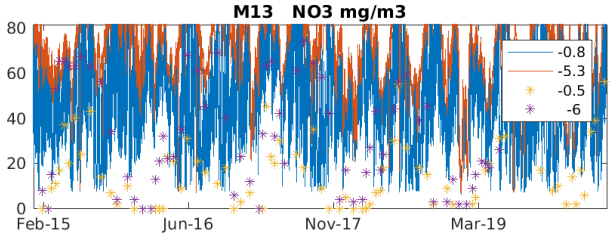

M05 Oxygen mg/m3
d2:0.39, mape:10.9, rms:1158.38, bias:-799.64, r:0.20, omean:8079.30
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000

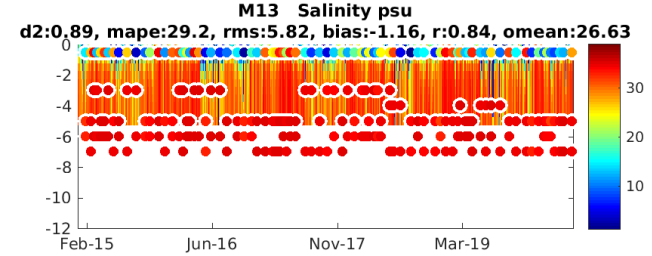

M05 Oxygen mg/m3
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-12.8

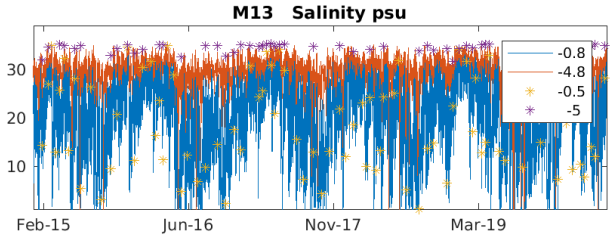

M13 Temp deg.C
d2:0.79, mape:13.8, rms:2.96, bias:-1.93, r:0.74, omean:14.50
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10

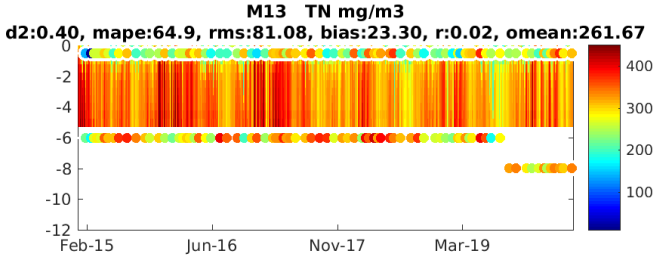

M13 Temp deg.C
25
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

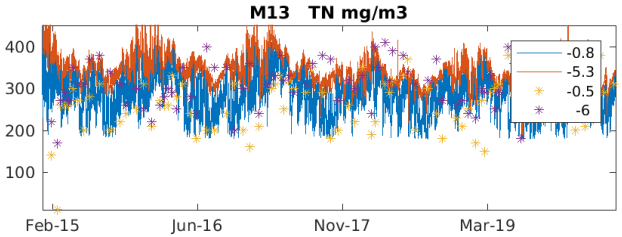

M13 NO3 mg/m3
d2:0.35, mape:514.1, rms:42.29, bias:33.24, r:0.04, omean:16.20
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20
0

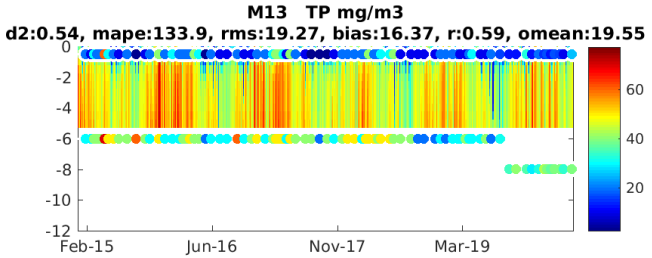

M13 NO3 mg/m3
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.3
-0.5
-6

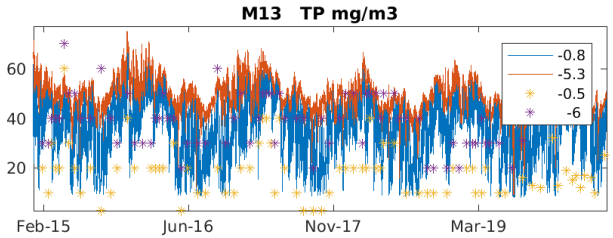

M13 Salinity psu
d2:0.89, mape:29.2, rms:5.82, bias:-1.16, r:0.84, omean:26.63
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10

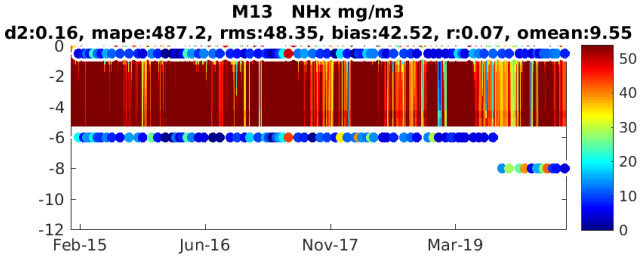

M13 Salinity psu
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

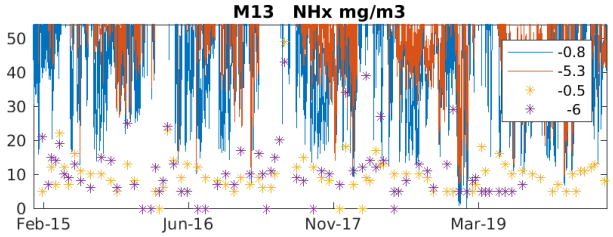

M13 TN mg/m3
d2:0.40, mape:64.9, rms:81.08, bias:23.30, r:0.02, omean:261.67
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

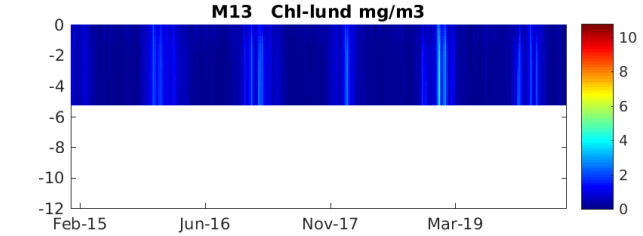

M13 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.3
-0.5
-6

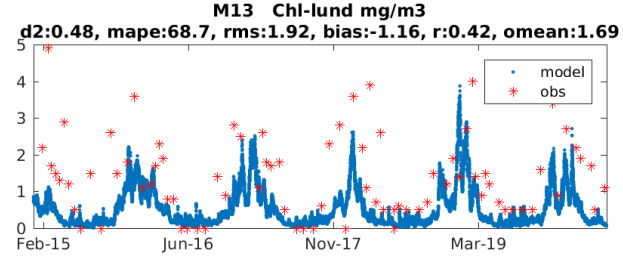

M13 TP mg/m3
d2:0.54, mape:133.9, rms:19.27, bias:16.37, r:0.59, omean:19.55
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20

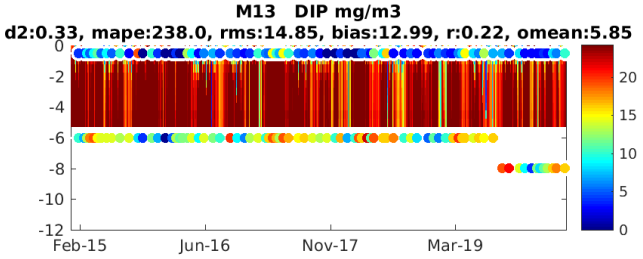

M13 TP mg/m3
60
40
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.3
-0.5
-6

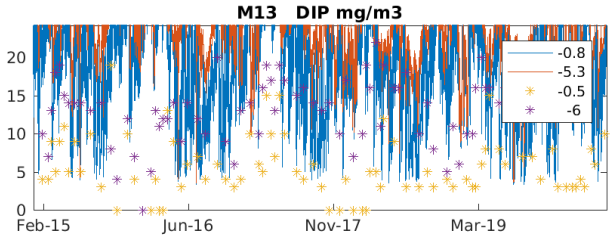

M13 NHx mg/m3
d2:0.16, mape:487.2, rms:48.35, bias:42.52, r:0.07, omean:9.55
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

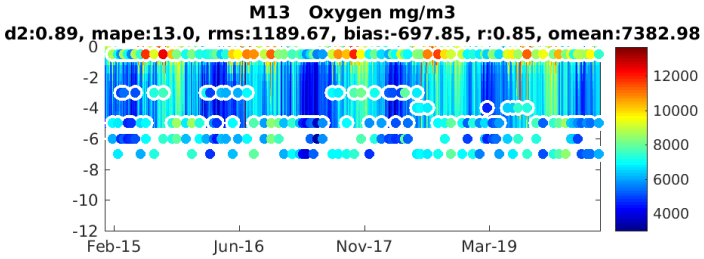

M13 NHx mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.3
-0.5
-6

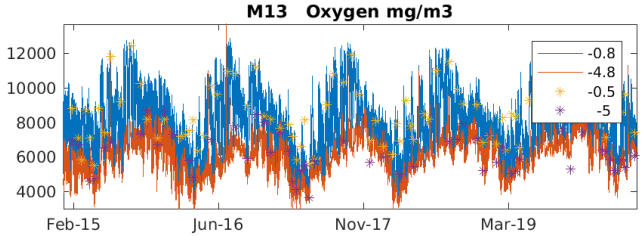

M13 Chl-lund mg/m3
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
10
8
6
4
2
0

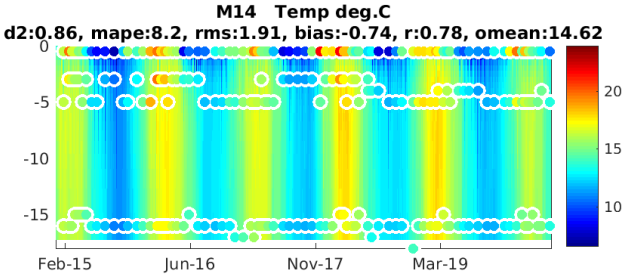

M13 Chl-lund mg/m3
d2:0.48, mape:68.7, rms:1.92, bias:-1.16, r:0.42, omean:1.69
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

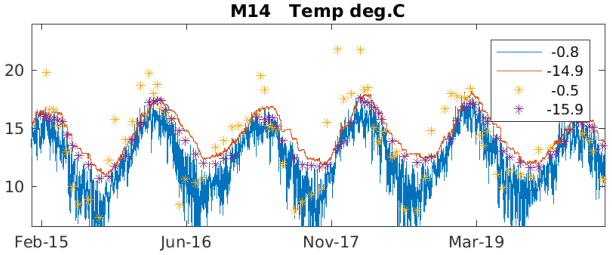

M13 DIP mg/m3
d2:0.33, mape:238.0, rms:14.85, bias:12.99, r:0.22, omean:5.85
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

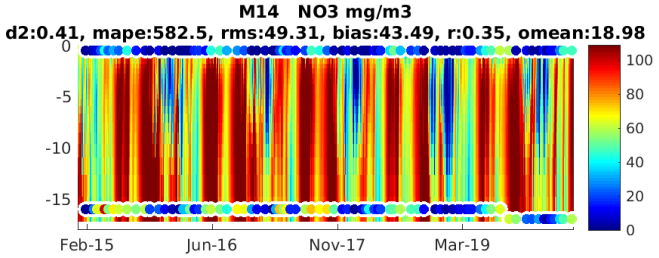

M13 DIP mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-5.3
-0.5
-6

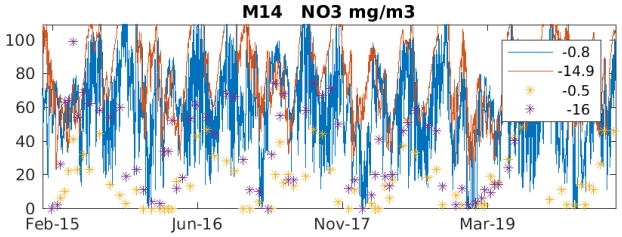

M13 Oxygen mg/m3
d2:0.89, mape:13.0, rms:1189.67, bias:-697.85, r:0.85, omean:7382.98
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000
4000

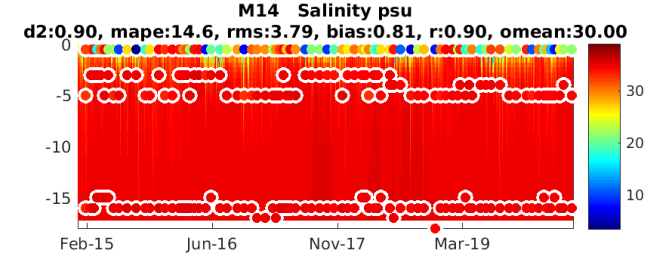

M13 Oxygen mg/m3
12000
10000
8000
6000
4000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-4.8
-0.5
-5

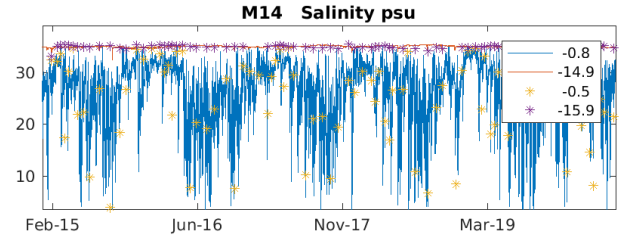

M14 Temp deg.C
d2:0.86, mape:8.2, rms:1.91, bias:-0.74, r:0.78, omean:14.62
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

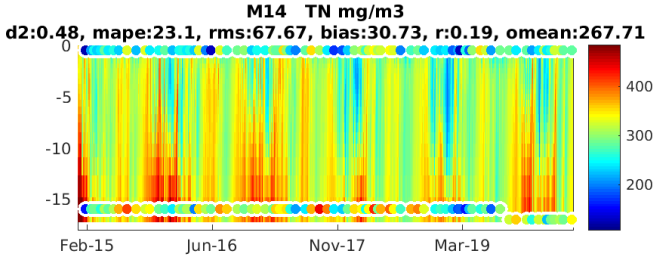

M14 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.9

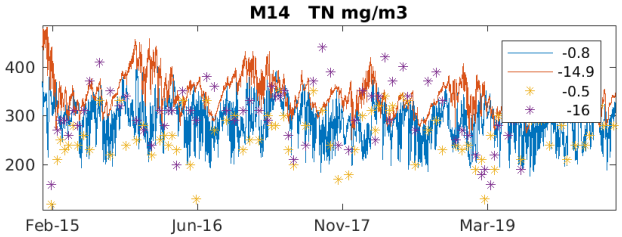

M14 NO3 mg/m3
d2:0.41, mape:582.5, rms:49.31, bias:43.49, r:0.35, omean:18.98
0
-5
-10
-15
100
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19

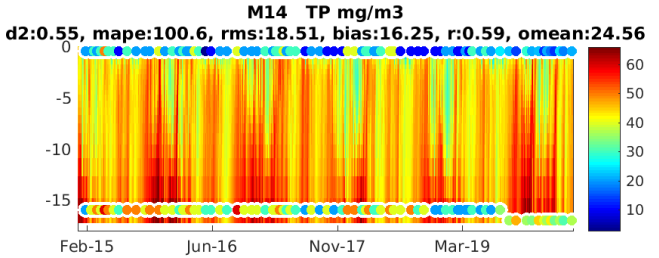

M14 NO3 mg/m3
100
80
60
40
20
0
-0.8
-14.9
-0.5
-16
Feb-15
Jun-16
Nov-17
Mar-19

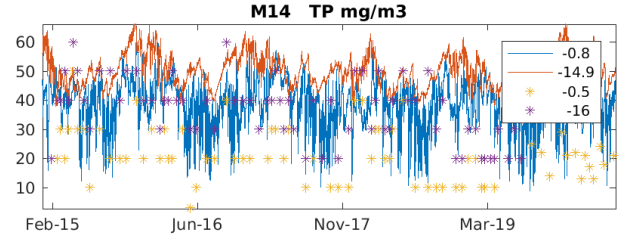

M14 Salinity psu
d2:0.90, mape:14.6, rms:3.79, bias:0.81, r:0.90, omean:30.00
0
-5
-10
-15
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

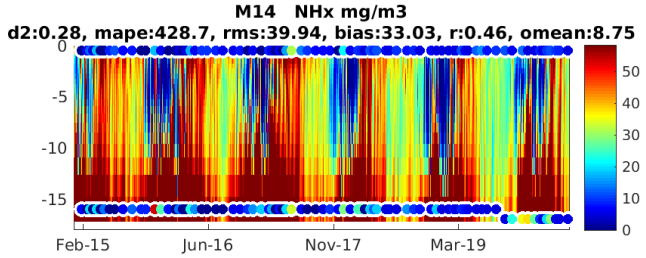

M14 Salinity psu
30
20
10
-0.8
-14.9
-0.5
-15.9
Feb-15
Jun-16
Nov-17
Mar-19

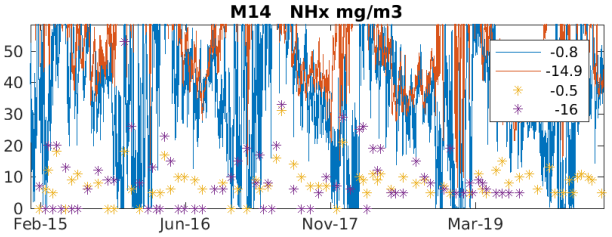

M14 TN mg/m3
d2:0.48, mape:23.1, rms:67.67, bias:30.73, r:0.19, omean:267.71
0
-5
-10
-15
400
300
200
Feb-15
Jun-16
Nov-17
Mar-19

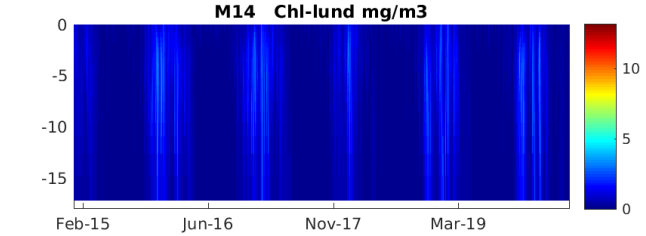

M14 TN mg/m3
400
300
200
-0.8
-14.9
-0.5
-16
Feb-15
Jun-16
Nov-17
Mar-19

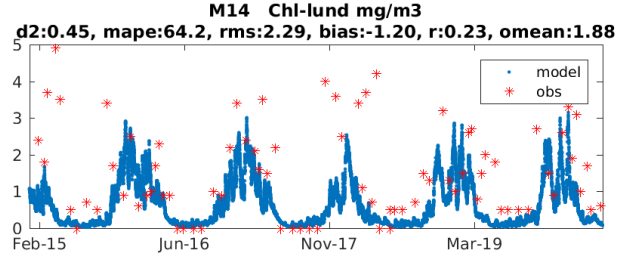

M14 TP mg/m3
d2:0.55, mape:100.6, rms:18.51, bias:16.25, r:0.59, omean:24.56
0
-5
-10
-15
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

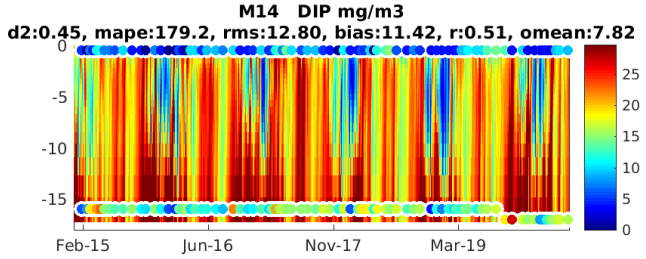

M14 TP mg/m3
60
50
40
30
20
10
-0.8
-14.9
-0.5
-16
Feb-15
Jun-16
Nov-17
Mar-19

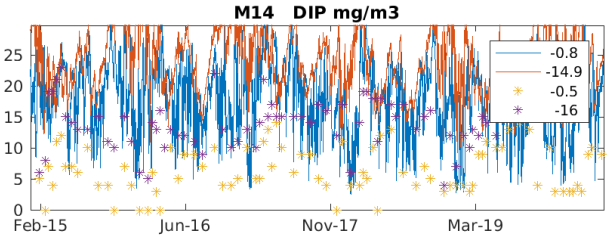

M14 NHx mg/m3
d2:0.28, mape:428.7, rms:39.94, bias:33.03, r:0.46, omean:8.75
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10
0

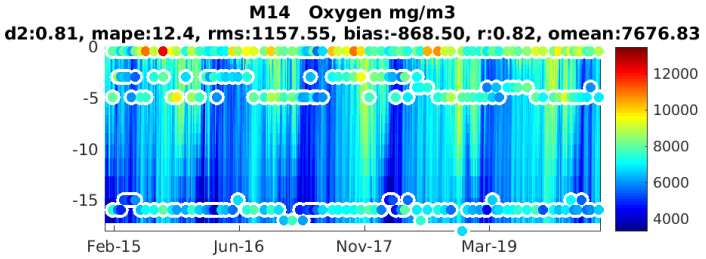

M14 NHx mg/m3
50
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-16

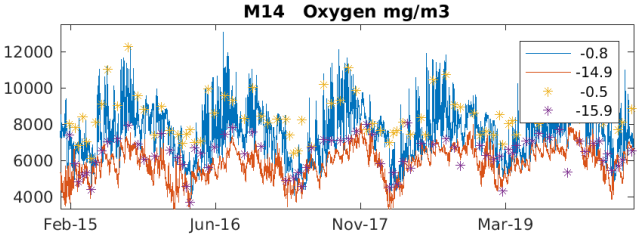

M14 Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
10
5
0

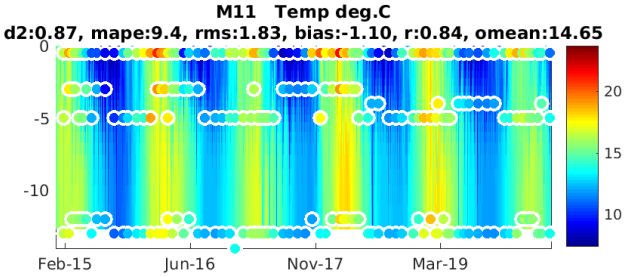

M14 Chl-lund mg/m3
d2:0.45, mape:64.2, rms:2.29, bias:-1.20, r:0.23, omean:1.88
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

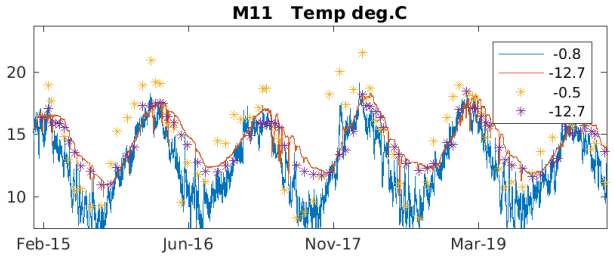

M14 DIP mg/m3
d2:0.45, mape:179.2, rms:12.80, bias:11.42, r:0.51, omean:7.82
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5
0

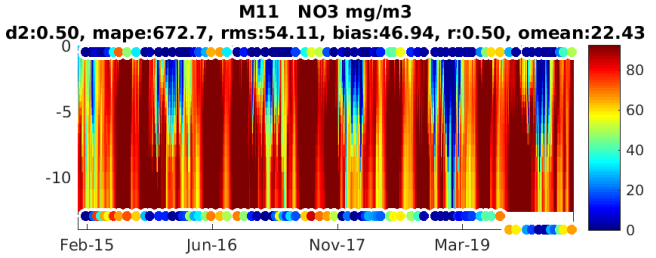

M14 DIP mg/m3
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-16

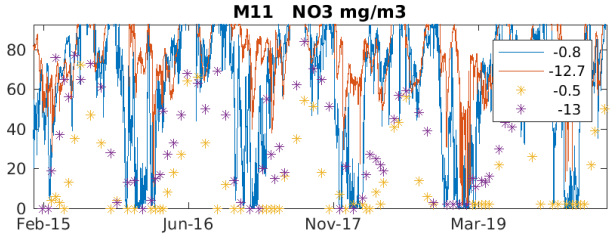

M14 Oxygen mg/m3
d2:0.81, mape:12.4, rms:1157.55, bias:-868.50, r:0.82, omean:7676.83
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
12000
10000
8000
6000
4000

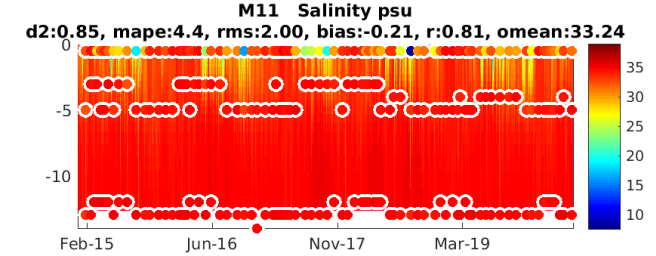

M14 Oxygen mg/m3
12000
10000
8000
6000
4000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-14.9
-0.5
-15.9

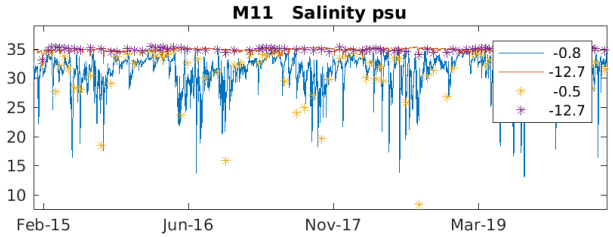

M11 Temp deg.C
d2:0.87, mape:9.4, rms:1.83, bias:-1.10, r:0.84, omean:14.65
0
-5
-10
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10

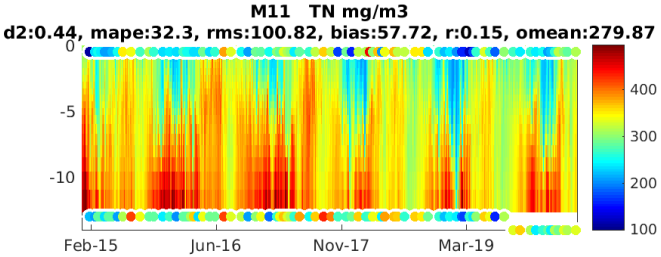

M11 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-12.7

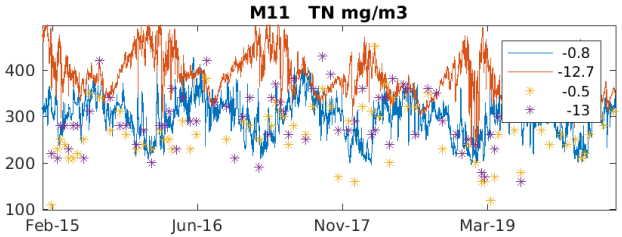

M11 NO3 mg/m3
d2:0.50, mape:672.7, rms:54.11, bias:46.94, r:0.50, omean:22.43
0
-5
-10
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20
0

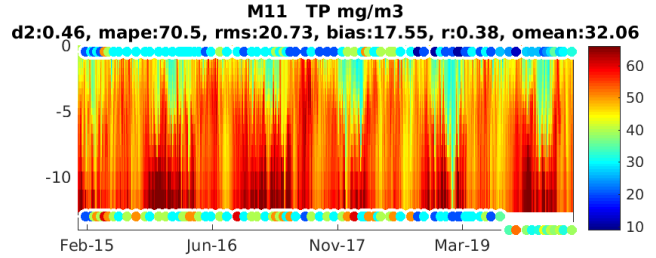

M11 NO3 mg/m3
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

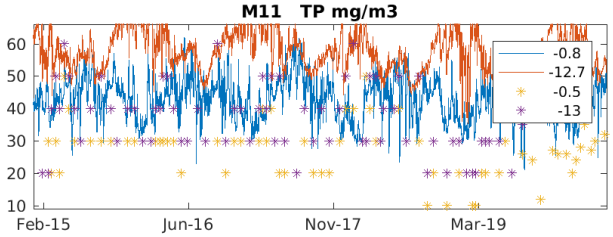

M11 Salinity psu
d2:0.85, mape:4.4, rms:2.00, bias:-0.21, r:0.81, omean:33.24
0
-5
-10
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20
15
10

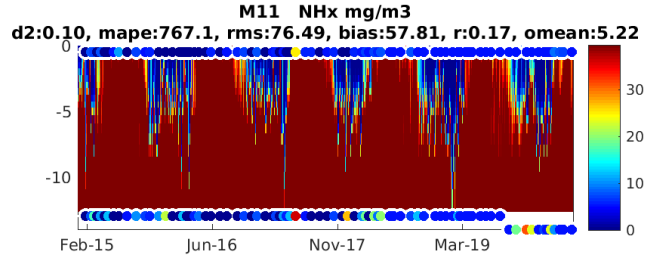

M11 Salinity psu
35
30
25
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-12.7

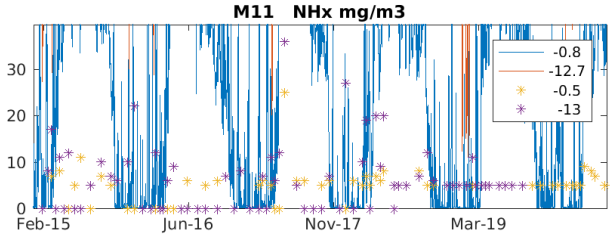

M11 TN mg/m3
d2:0.44, mape:32.3, rms:100.82, bias:57.72, r:0.15, omean:279.87
0
-5
-10
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

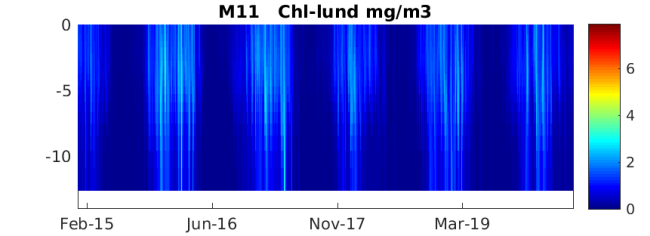

M11 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

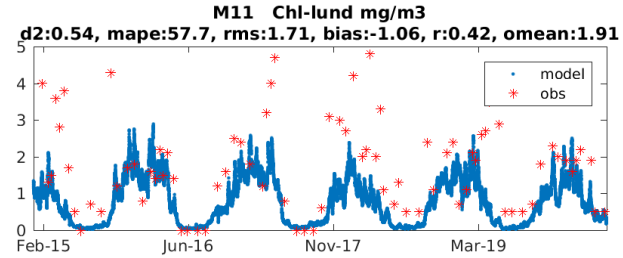

M11 TP mg/m3
d2:0.46, mape:70.5, rms:20.73, bias:17.55, r:0.38, omean:32.06
0
-5
-10
Feb-15
Jun-16
Nov-17
Mar-19
60
50
40
30
20
10

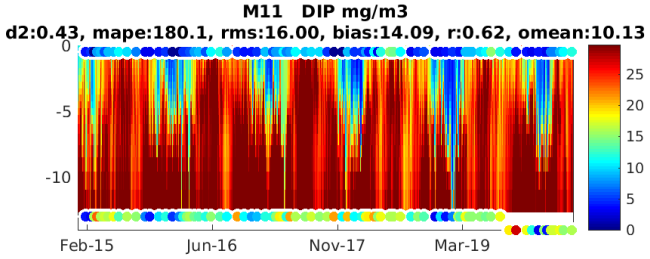

M11 TP mg/m3
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-12.7
-0.5
-13

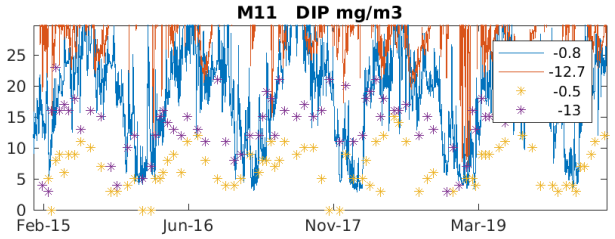

M11 NHx mg/m3
d2:0.10, mape:767.1, rms:76.49, bias:57.81, r:0.17, omean:5.22
0
-5
-10
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

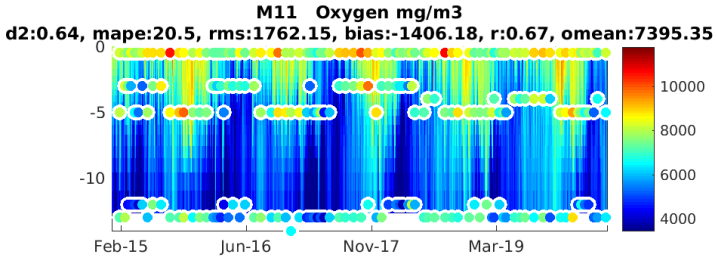

M11 NHx mg/m3
30
20
10
0
-0.8
-12.7
-0.5
-13
Feb-15
Jun-16
Nov-17
Mar-19

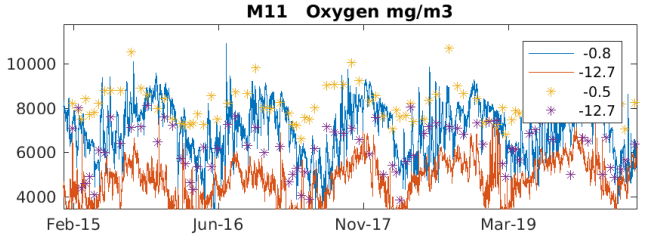

M11 Chl-lund mg/m3
0
-5
-10
6
4
2
0
Feb-15
Jun-16
Nov-17
Mar-19

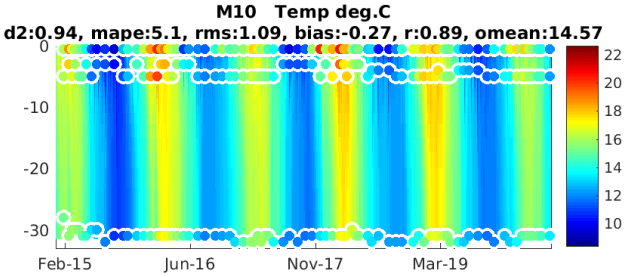

M11 Chl-lund mg/m3
d2:0.54, mape:57.7, rms:1.71, bias:-1.06, r:0.42, omean:1.91
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

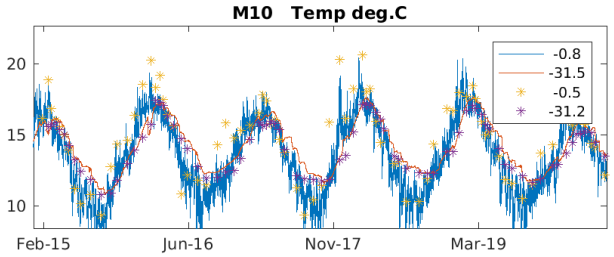

M11 DIP mg/m3
d2:0.43, mape:180.1, rms:16.00, bias:14.09, r:0.62, omean:10.13
0
-5
-10
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

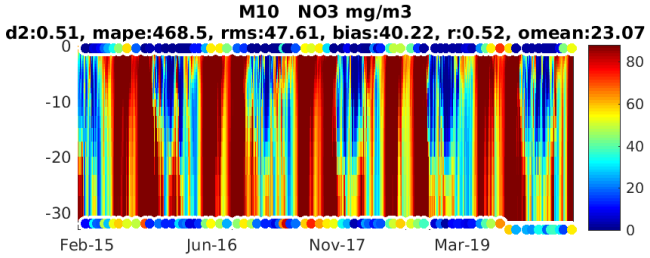

M11 DIP mg/m3
25
20
15
10
5
0
-0.8
-12.7
-0.5
-13
Feb-15
Jun-16
Nov-17
Mar-19

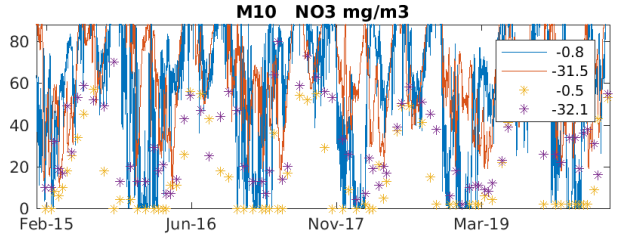

M11 Oxygen mg/m3
d2:0.64, mape:20.5, rms:1762.15, bias:-1406.18, r:0.67, omean:7395.35
0
-5
-10
10000
8000
6000
4000
Feb-15
Jun-16
Nov-17
Mar-19

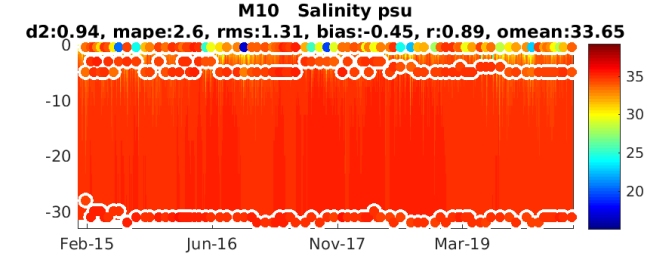

M11 Oxygen mg/m3
10000
8000
6000
4000
-0.8
-12.7
-0.5
-12.7
Feb-15
Jun-16
Nov-17
Mar-19

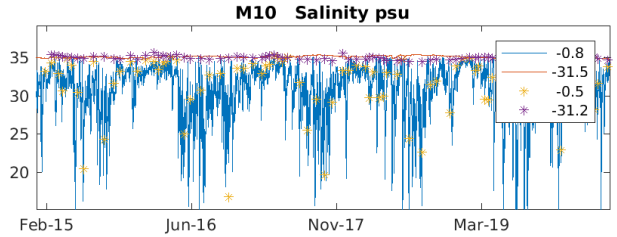

M10 Temp deg.C
d2:0.94, mape:5.1, rms:1.09, bias:-0.27, r:0.89, omean:14.57
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

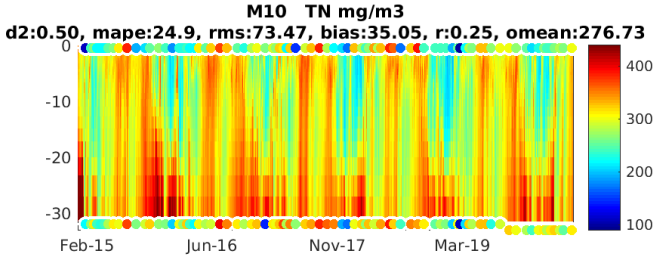

M10 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-31.2

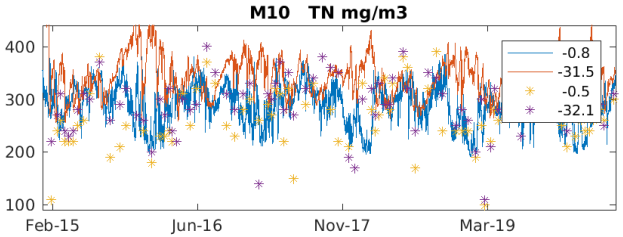

M10 NO3 mg/m3
d2:0.51, mape:468.5, rms:47.61, bias:40.22, r:0.52, omean:23.07
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
80
60
40
20
0

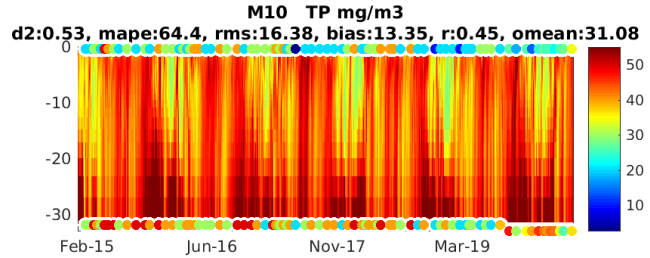

M10 NO3 mg/m3
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.1

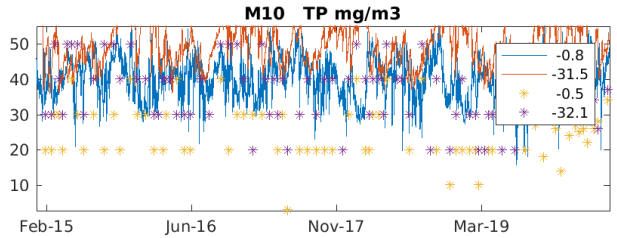

M10 Salinity psu
d2:0.94, mape:2.6, rms:1.31, bias:-0.45, r:0.89, omean:33.65
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25
20

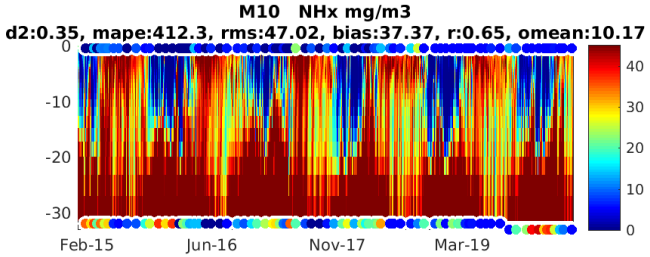

M10 Salinity psu
35
30
25
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-31.2

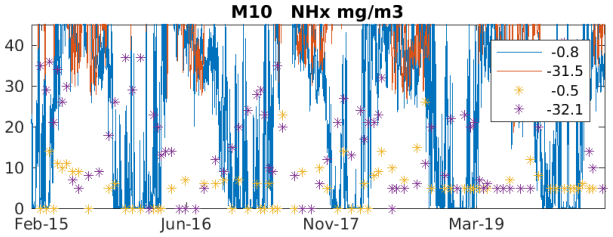

M10 TN mg/m3
d2:0.50, mape:24.9, rms:73.47, bias:35.05, r:0.25, omean:276.73
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

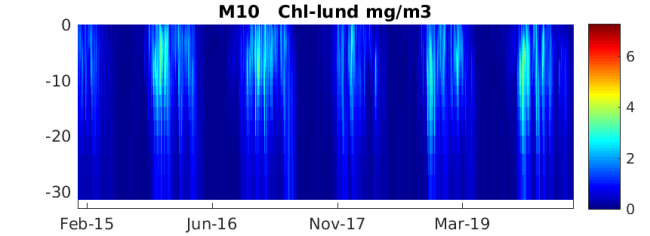

M10 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.1

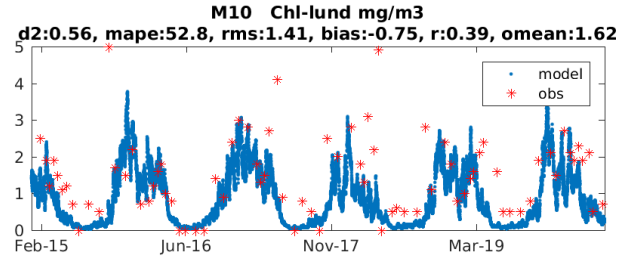

M10 TP mg/m3
d2:0.53, mape:64.4, rms:16.38, bias:13.35, r:0.45, omean:31.08
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

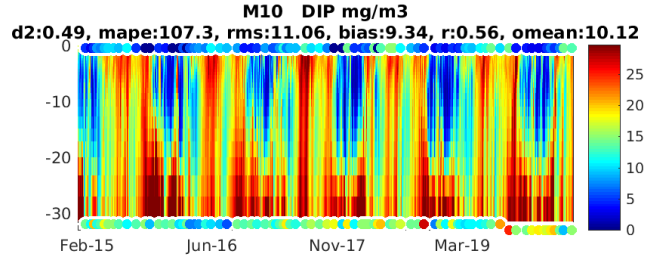

M10 TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.1

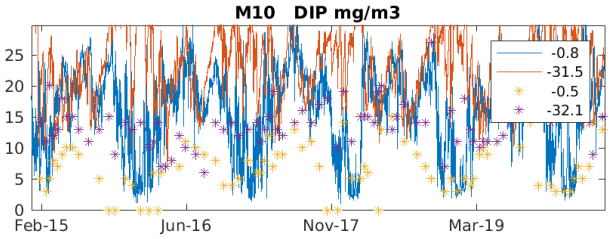

M10 NHx mg/m3
d2:0.35, mape:412.3, rms:47.02, bias:37.37, r:0.65, omean:10.17
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
40
30
20
10
0

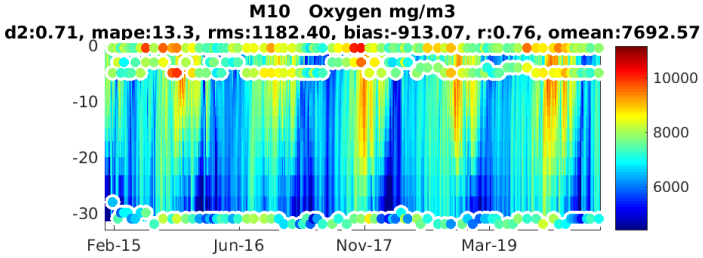

M10 NHx mg/m3
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.1

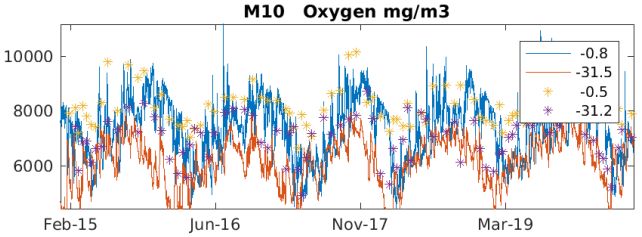

M10 Chl-lund mg/m3
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
6
4
2
0

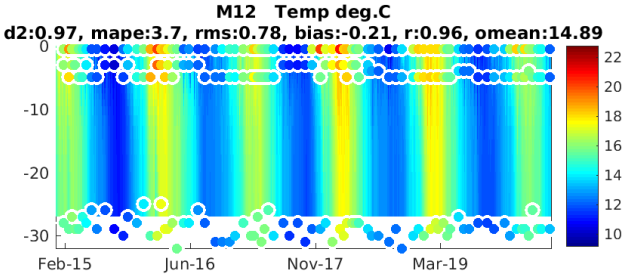

M10 Chl-lund mg/m3
d2:0.56, mape:52.8, rms:1.41, bias:-0.75, r:0.39, omean:1.62
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

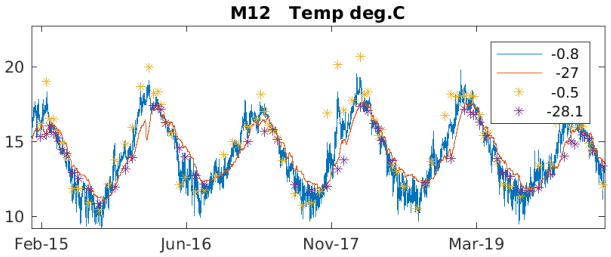

M10 DIP mg/m3
d2:0.49, mape:107.3, rms:11.06, bias:9.34, r:0.56, omean:10.12
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
25
20
15
10
5
0

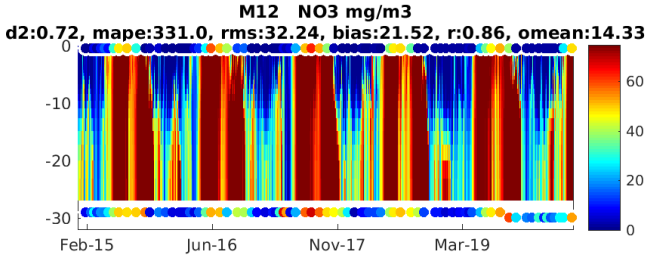

M10 DIP mg/m3
25
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-32.1

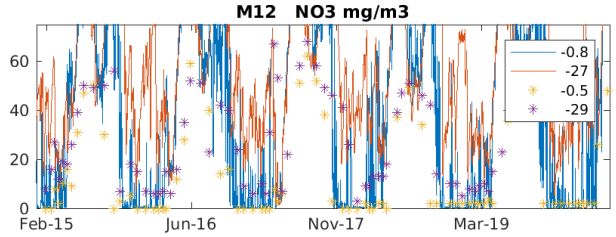

M10 Oxygen mg/m3
d2:0.71, mape:13.3, rms:1182.40, bias:-913.07, r:0.76, omean:7692.57
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
10000
8000
6000

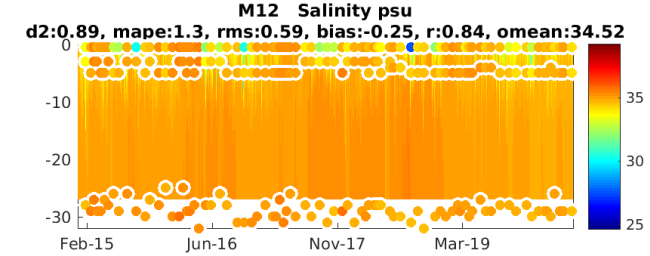

M10 Oxygen mg/m3
10000
8000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-31.5
-0.5
-31.2

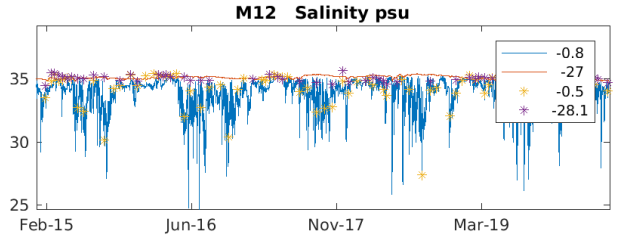

M12 Temp deg.C
d2:0.97, mape:3.7, rms:0.78, bias:-0.21, r:0.96, omean:14.89
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

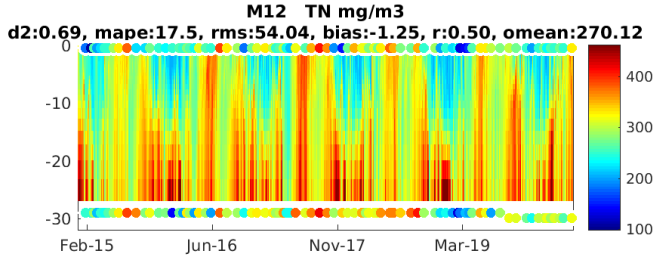

M12 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-28.1

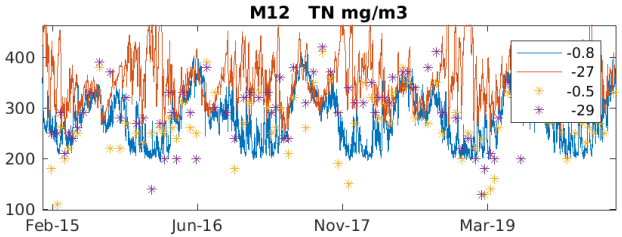

M12 NO3 mg/m3
d2:0.72, mape:331.0, rms:32.24, bias:21.52, r:0.86, omean:14.33
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

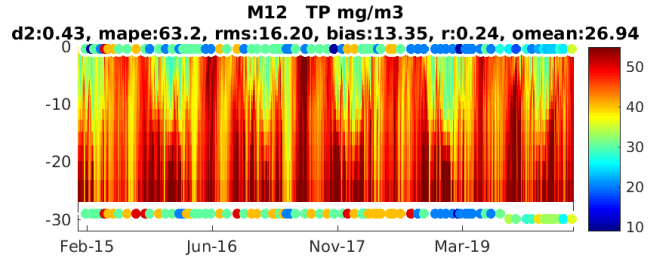

M12 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-29

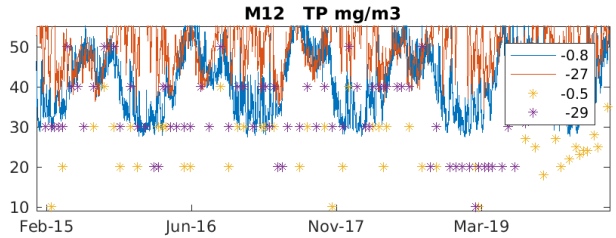

M12 Salinity psu
d2:0.89, mape:1.3, rms:0.59, bias:-0.25, r:0.84, omean:34.52
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25

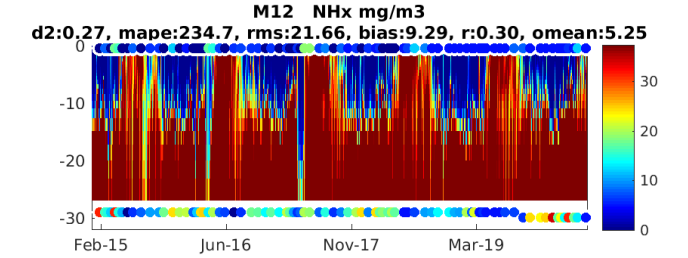

M12 Salinity psu
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-28.1

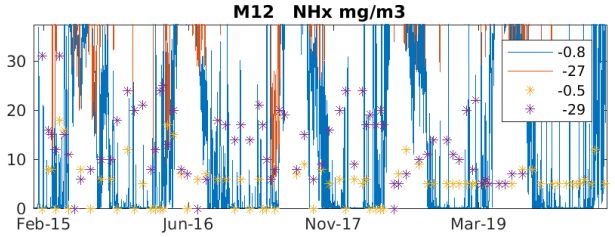

M12 TN mg/m3
d2:0.69, mape:17.5, rms:54.04, bias:-1.25, r:0.50, omean:270.12
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

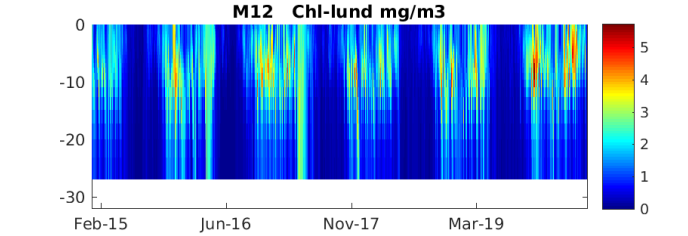

M12 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-29

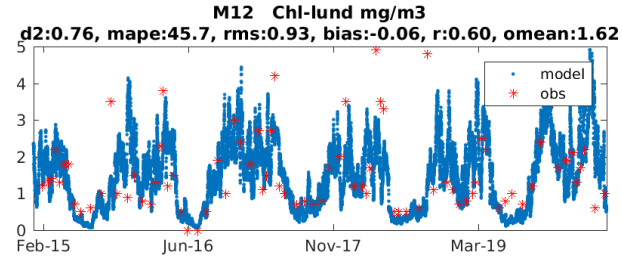

M12 TP mg/m3
d2:0.43, mape:63.2, rms:16.20, bias:13.35, r:0.24, omean:26.94
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

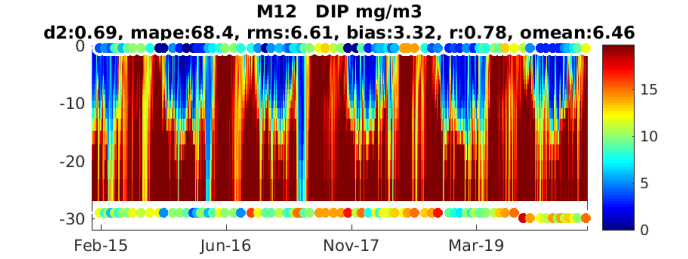

M12 TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-29

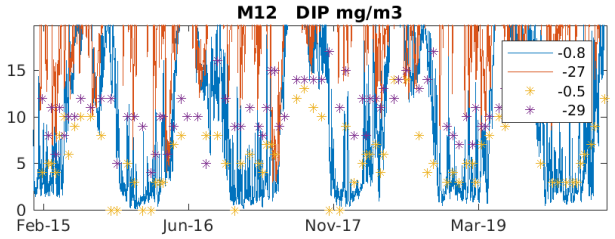

M12 NHx mg/m3
d2:0.27, mape:234.7, rms:21.66, bias:9.29, r:0.30, omean:5.25
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

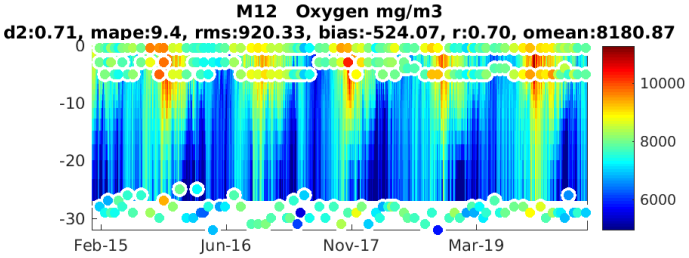

M12 NHx mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-29

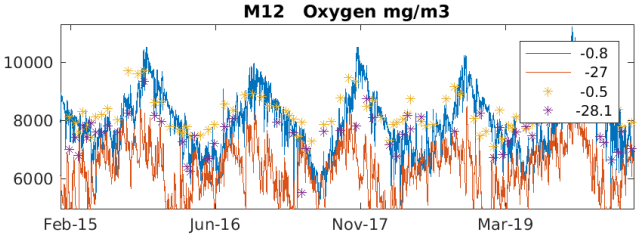

M12 Chl-lund mg/m3
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
5
4
3
2
1
0

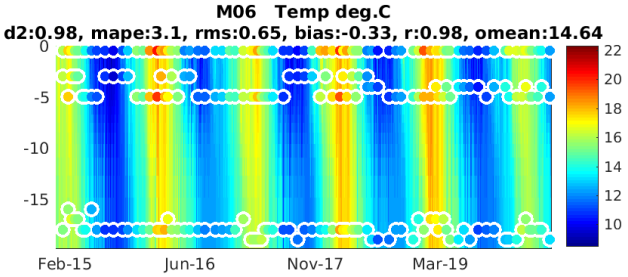

M12 Chl-lund mg/m3
d2:0.76, mape:45.7, rms:0.93, bias:-0.06, r:0.60, omean:1.62
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

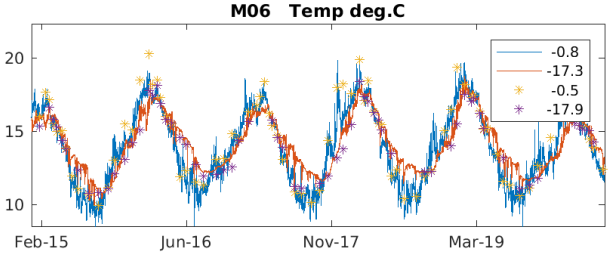

M12 DIP mg/m3
d2:0.69, mape:68.4, rms:6.61, bias:3.32, r:0.78, omean:6.46
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

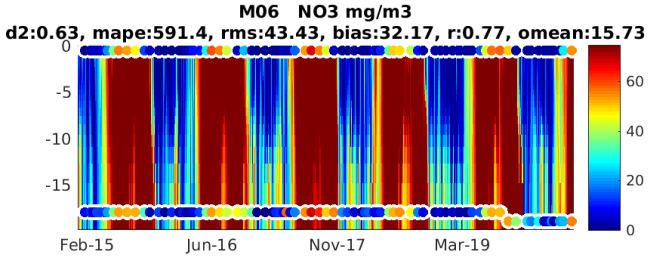

M12 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-29

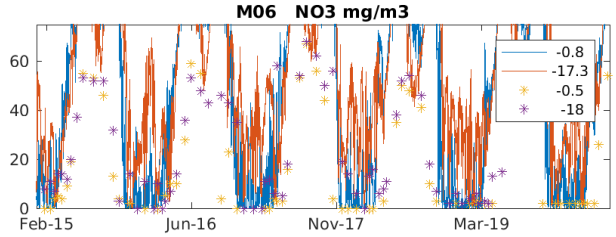

M12 Oxygen mg/m3
d2:0.71, mape:9.4, rms:920.33, bias:-524.07, r:0.70, omean:8180.87
0
-10
-20
-30
Feb-15
Jun-16
Nov-17
Mar-19
10000
8000
6000

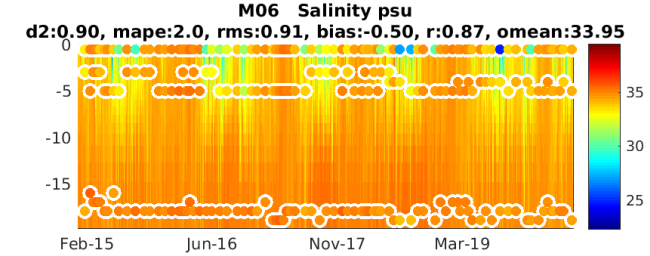

M12 Oxygen mg/m3
10000
8000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-28.1

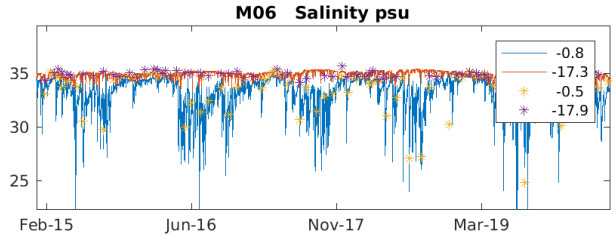

M06 Temp deg.C
d2:0.98, mape:3.1, rms:0.65, bias:-0.33, r:0.98, omean:14.64
0
-5
-10
-15
22
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19

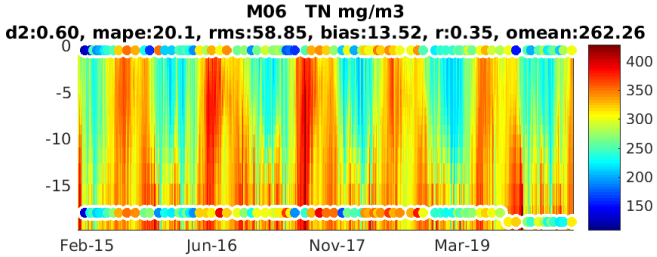

M06 Temp deg.C
20
15
10
-0.8
-17.3
-0.5
-17.9
Feb-15
Jun-16
Nov-17
Mar-19

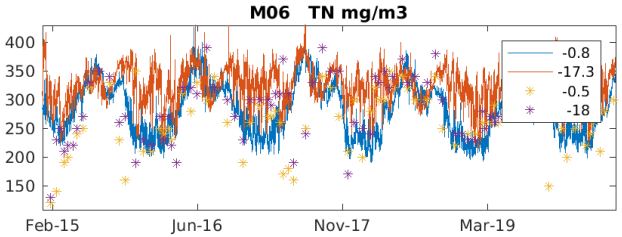

M06 NO3 mg/m3
d2:0.63, mape:591.4, rms:43.43, bias:32.17, r:0.77, omean:15.73
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

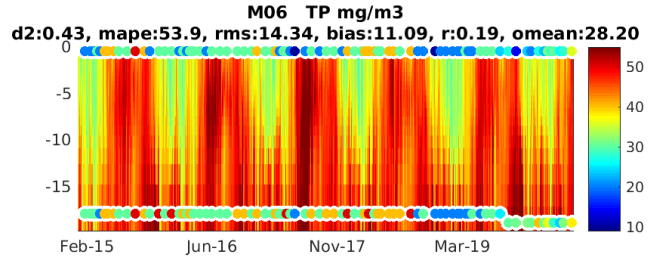

M06 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-18

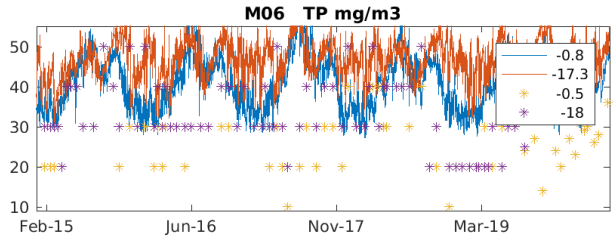

M06 Salinity psu
d2:0.90, mape:2.0, rms:0.91, bias:-0.50, r:0.87, omean:33.95
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25

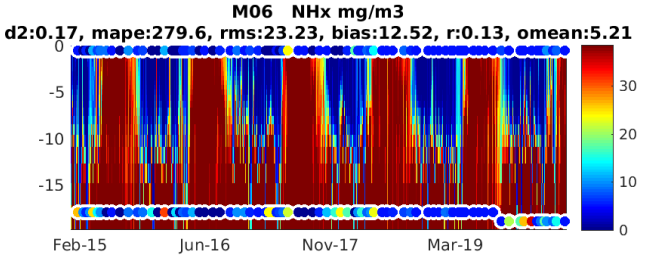

M06 Salinity psu
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.9

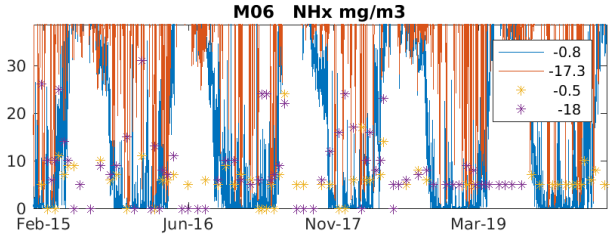

M06 TN mg/m3
d2:0.60, mape:20.1, rms:58.85, bias:13.52, r:0.35, omean:262.26
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
400
350
300
250
200
150

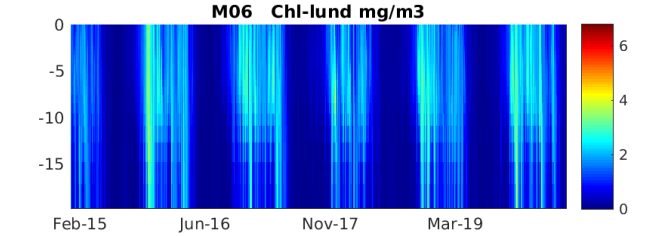

M06 TN mg/m3
400
350
300
250
200
150
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-18

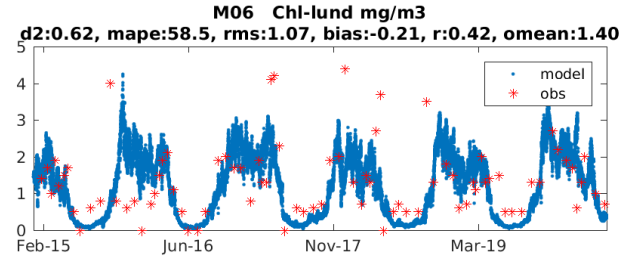

M06 TP mg/m3
d2:0.43, mape:53.9, rms:14.34, bias:11.09, r:0.19, omean:28.20
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

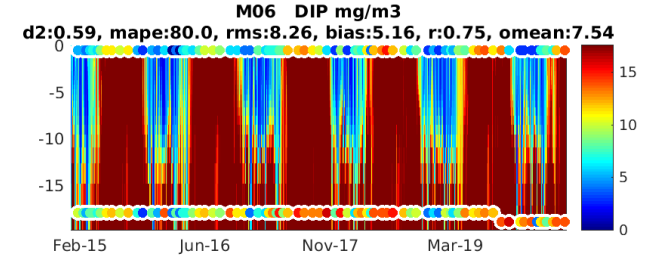

M06 TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-18

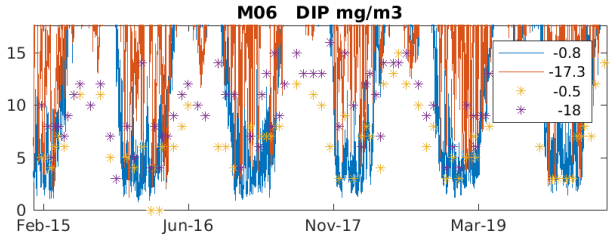

M06 NHx mg/m3
d2:0.17, mape:279.6, rms:23.23, bias:12.52, r:0.13, omean:5.21
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
30
20
10
0

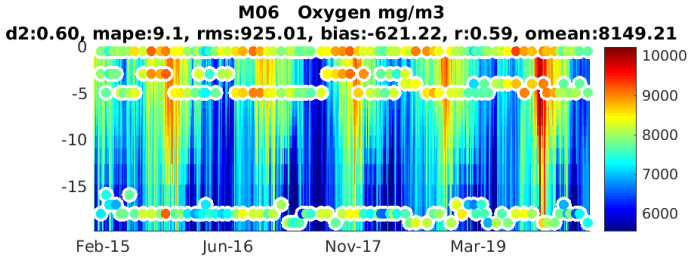

M06 NHx mg/m3
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-18

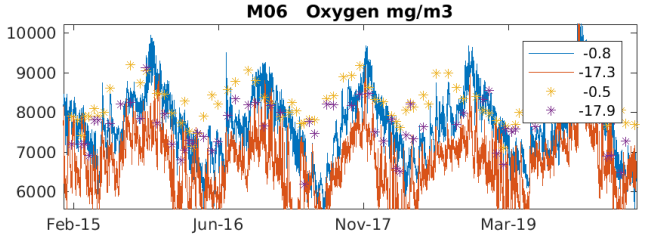

M06 Chl-lund mg/m3
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
6
4
2
0

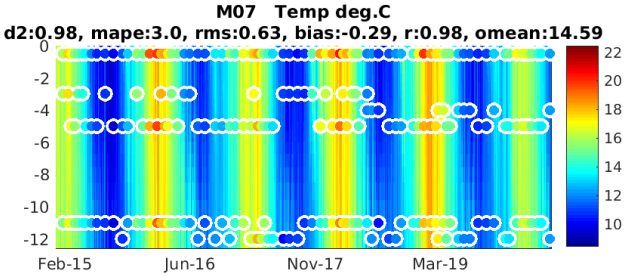

M06 Chl-lund mg/m3
d2:0.62, mape:58.5, rms:1.07, bias:-0.21, r:0.42, omean:1.40
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

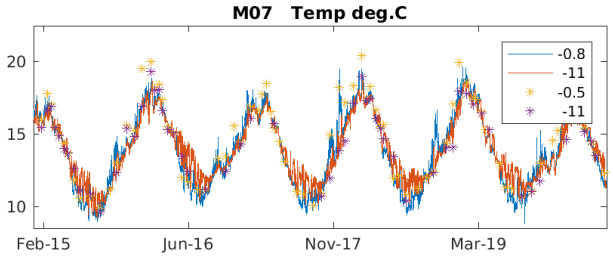

M06 DIP mg/m3
d2:0.59, mape:80.0, rms:8.26, bias:5.16, r:0.75, omean:7.54
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

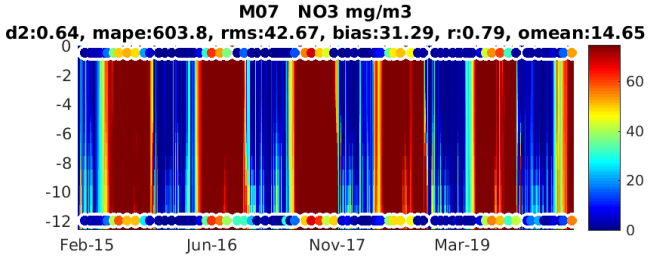

M06 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-18

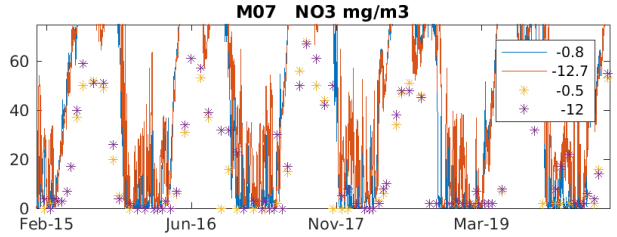

M06 Oxygen mg/m3
d2:0.60, mape:9.1, rms:925.01, bias:-621.22, r:0.59, omean:8149.21
0
-5
-10
-15
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

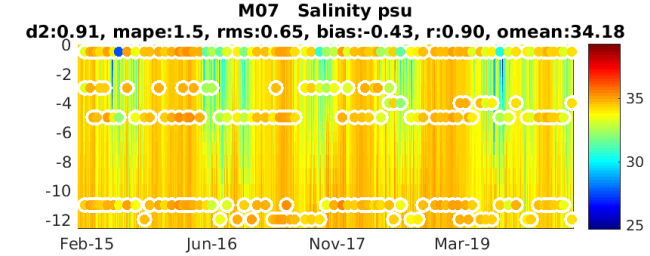

M06 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-17.3
-0.5
-17.9

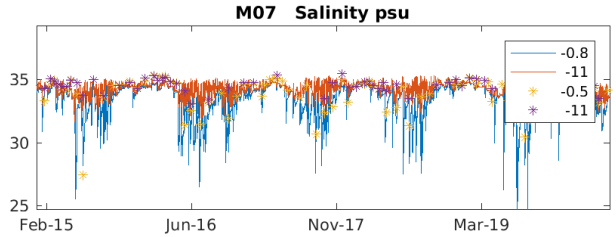

M07 Temp deg.C
d2:0.98, mape:3.0, rms:0.63, bias:-0.29, r:0.98, omean:14.59
0
-2
-4
-6
-8
-10
-12
22
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19

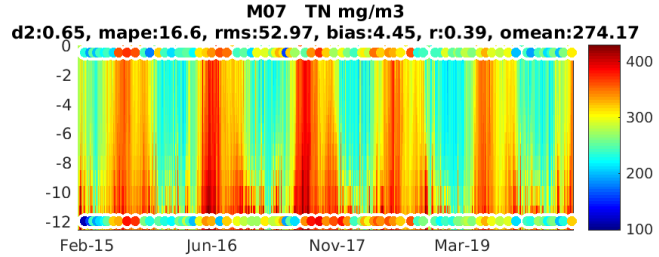

M07 Temp deg.C
20
15
10
-0.8
-11
-0.5
-11
Feb-15
Jun-16
Nov-17
Mar-19

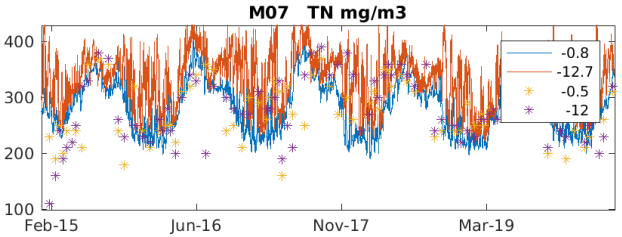

M07 NO3 mg/m3
d2:0.64, mape:603.8, rms:42.67, bias:31.29, r:0.79, omean:14.65
0
-2
-4
-6
-8
-10
-12
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19

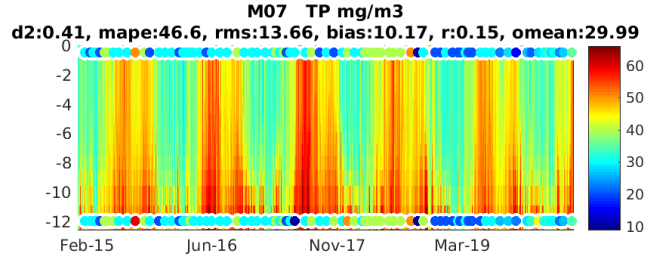

M07 NO3 mg/m3
60
40
20
0
-0.8
-12.7
-0.5
-12
Feb-15
Jun-16
Nov-17
Mar-19

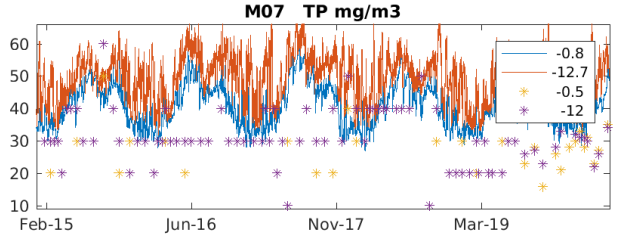

M07 Salinity psu
d2:0.91, mape:1.5, rms:0.65, bias:-0.43, r:0.90, omean:34.18
0
-2
-4
-6
-8
-10
-12
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19

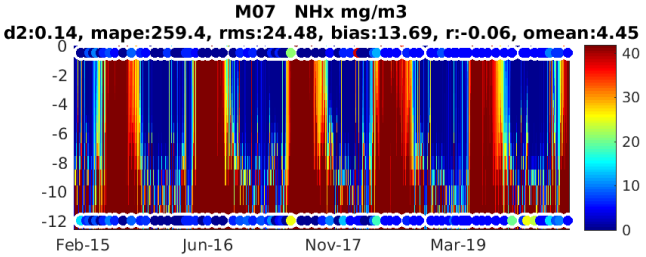

M07 Salinity psu
35
30
25
-0.8
-11
-0.5
-11
Feb-15
Jun-16
Nov-17
Mar-19

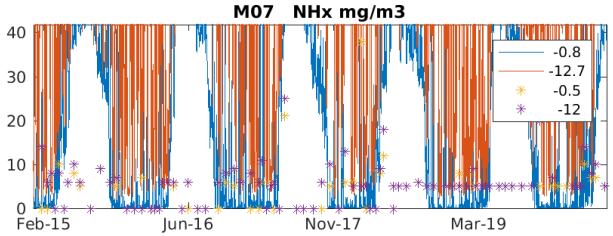

M07 TN mg/m3
d2:0.65, mape:16.6, rms:52.97, bias:4.45, r:0.39, omean:274.17
0
-2
-4
-6
-8
-10
-12
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19

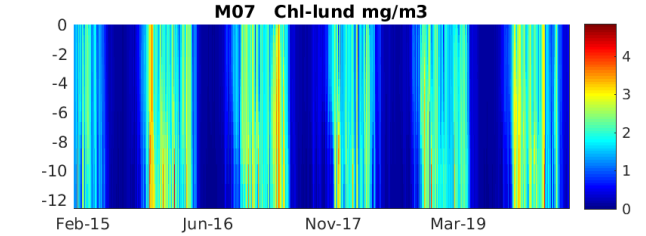

M07 TN mg/m3
400
300
200
100
-0.8
-12.7
-0.5
-12
Feb-15
Jun-16
Nov-17
Mar-19

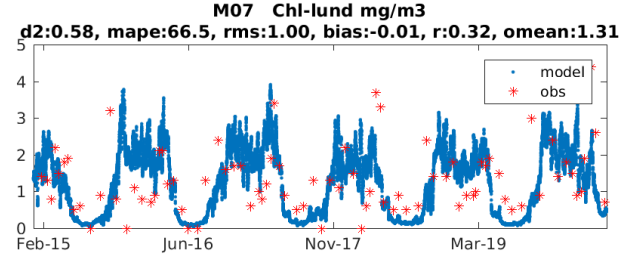

M07 TP mg/m3
d2:0.41, mape:46.6, rms:13.66, bias:10.17, r:0.15, omean:29.99
0
-2
-4
-6
-8
-10
-12
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

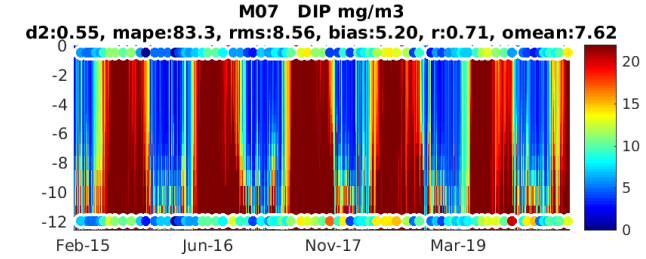

M07 TP mg/m3
60
50
40
30
20
10
-0.8
-12.7
-0.5
-12
Feb-15
Jun-16
Nov-17
Mar-19

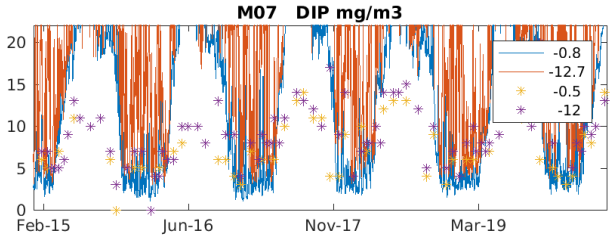

M07 NHx mg/m3
d2:0.14, mape:259.4, rms:24.48, bias:13.69, r:-0.06, omean:4.45
0
-2
-4
-6
-8
-10
-12
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19

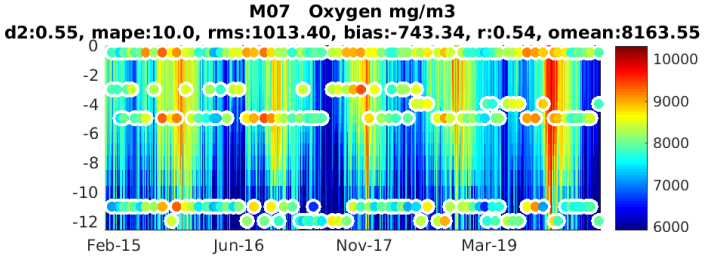

M07 NHx mg/m3
40
30
20
10
0
-0.8
-12.7
-0.5
-12
Feb-15
Jun-16
Nov-17
Mar-19

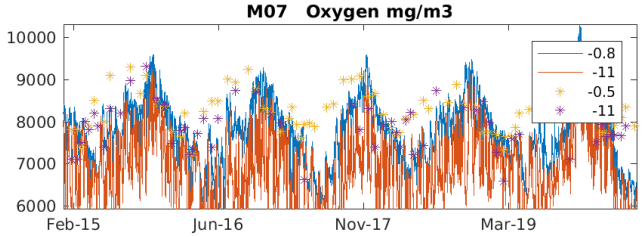

M07 Chl-lund mg/m3
0
-2
-4
-6
-8
-10
-12
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19

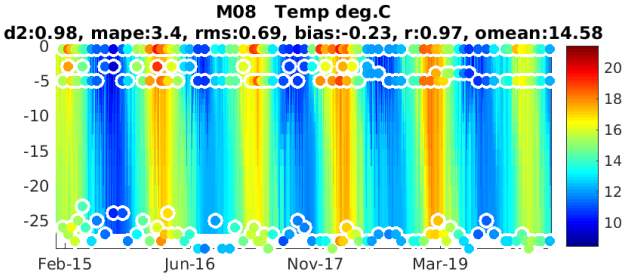

M07 Chl-lund mg/m3
d2:0.58, mape:66.5, rms:1.00, bias:-0.01, r:0.32, omean:1.31
5
4
3
2
1
0
model
obs
Feb-15
Jun-16
Nov-17
Mar-19

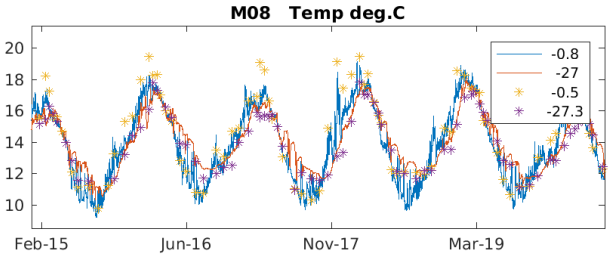

M07 DIP mg/m3
d2:0.55, mape:83.3, rms:8.56, bias:5.20, r:0.71, omean:7.62
0
-2
-4
-6
-8
-10
-12
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19

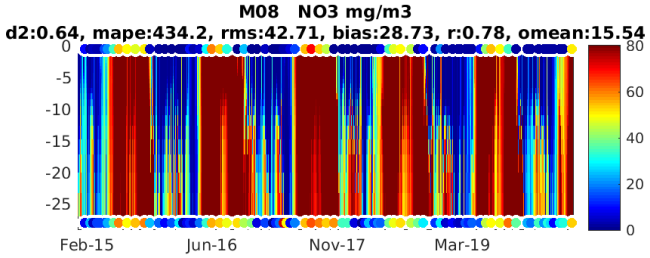

M07 DIP mg/m3
20
15
10
5
0
-0.8
-12.7
-0.5
-12
Feb-15
Jun-16
Nov-17
Mar-19

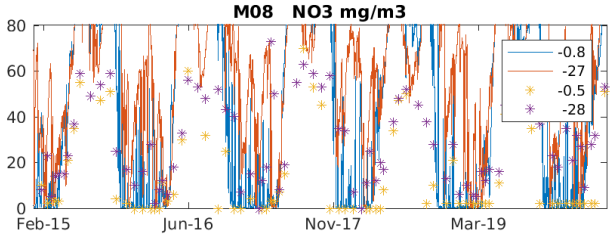

M07 Oxygen mg/m3
d2:0.55, mape:10.0, rms:1013.40, bias:-743.34, r:0.54, omean:8163.55
0
-2
-4
-6
-8
-10
-12
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19

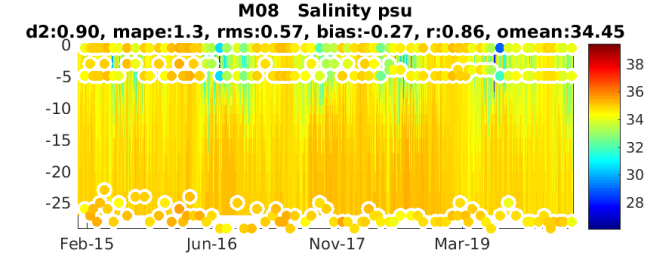

M07 Oxygen mg/m3
10000
9000
8000
7000
6000
-0.8
-11
-0.5
-11
Feb-15
Jun-16
Nov-17
Mar-19

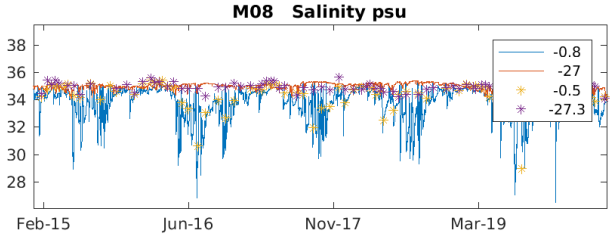

M08 Temp deg.C
d2:0.98, mape:3.4, rms:0.69, bias:-0.23, r:0.97, omean:14.58
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
20
18
16
14
12
10

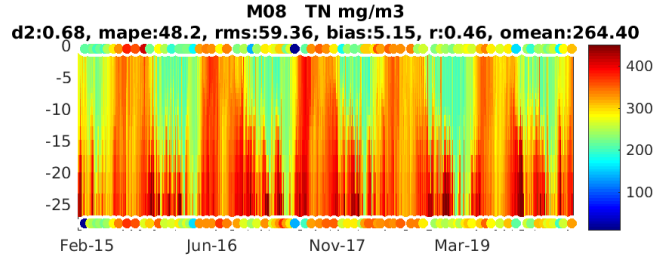

M08 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-27.3

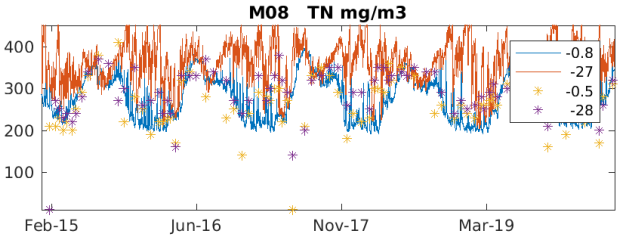

M08 NO3 mg/m3
d2:0.64, mape:434.2, rms:42.71, bias:28.73, r:0.78, omean:15.54
0
-5
-10
-15
-20
-25
80
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19

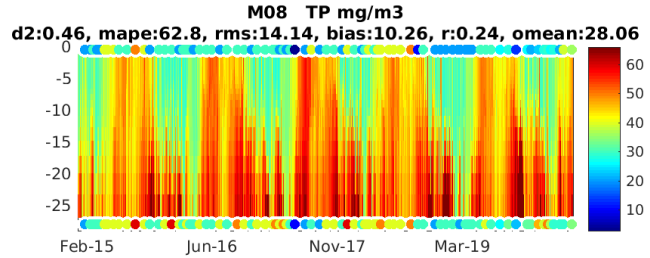

M08 NO3 mg/m3
80
60
40
20
0
-0.8
-27
-0.5
-28
Feb-15
Jun-16
Nov-17
Mar-19

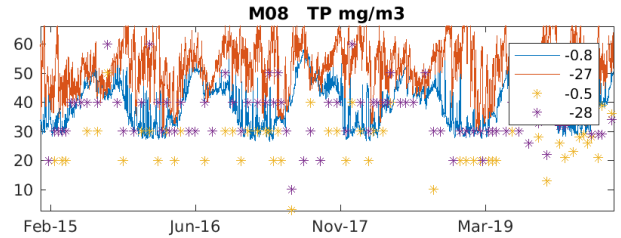

M08 Salinity psu
d2:0.90, mape:1.3, rms:0.57, bias:-0.27, r:0.86, omean:34.45
0
-5
-10
-15
-20
-25
38
36
34
32
30
28
Feb-15
Jun-16
Nov-17
Mar-19

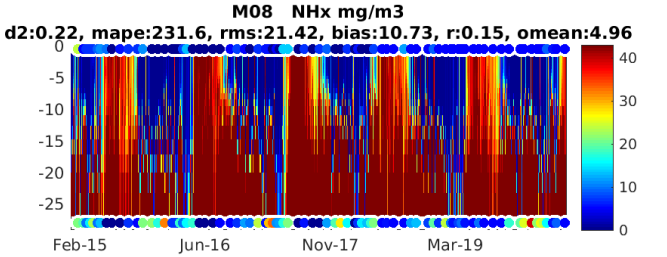

M08 Salinity psu
38
36
34
32
30
28
-0.8
-27
-0.5
-27.3
Feb-15
Jun-16
Nov-17
Mar-19

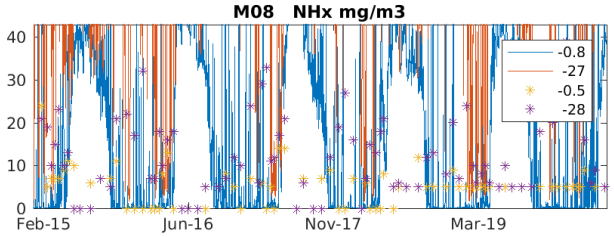

M08 TN mg/m3
d2:0.68, mape:48.2, rms:59.36, bias:5.15, r:0.46, omean:264.40
0
-5
-10
-15
-20
-25
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19

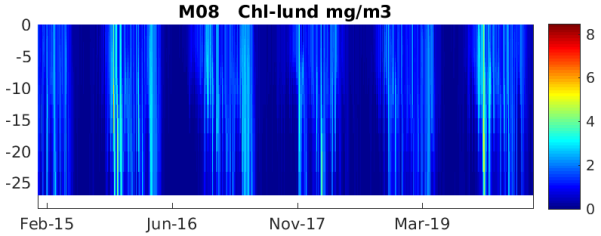

M08 TN mg/m3
400
300
200
100
-0.8
-27
-0.5
-28
Feb-15
Jun-16
Nov-17
Mar-19

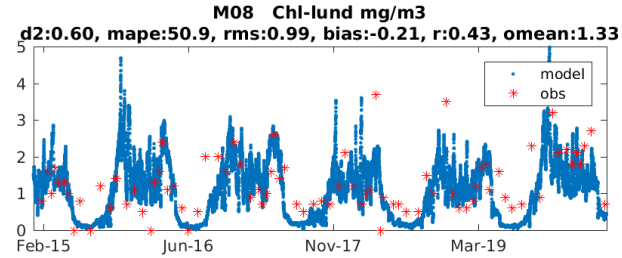

M08 TP mg/m3
d2:0.46, mape:62.8, rms:14.14, bias:10.26, r:0.24, omean:28.06
0
-5
-10
-15
-20
-25
60
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19

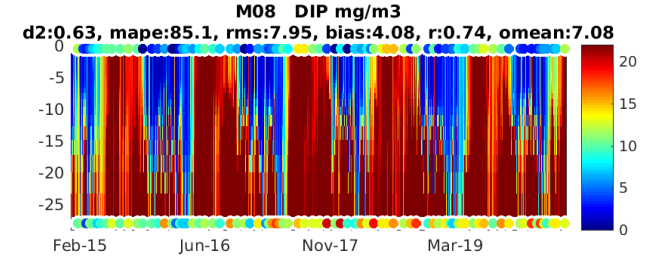

M08 TP mg/m3
60
50
40
30
20
10
-0.8
-27
-0.5
-28
Feb-15
Jun-16
Nov-17
Mar-19

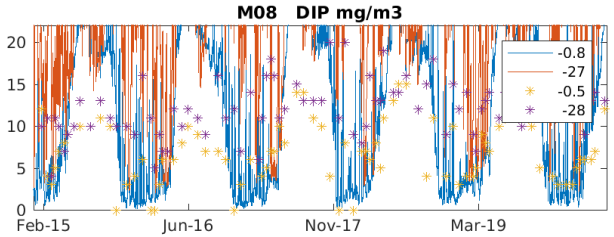

M08 NHx mg/m3
d2:0.22, mape:231.6, rms:21.42, bias:10.73, r:0.15, omean:4.96
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
40
30
20
10
0

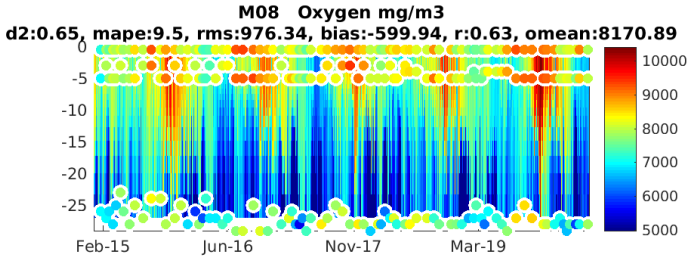

M08 NHx mg/m3
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-28

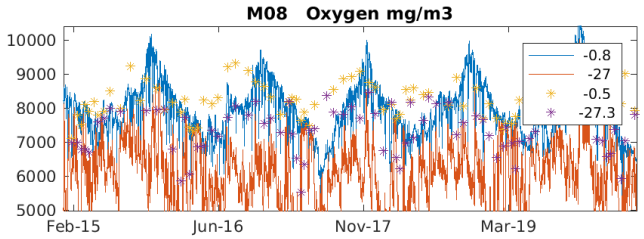

M08 Chl-lund mg/m3
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
8
6
4
2
0

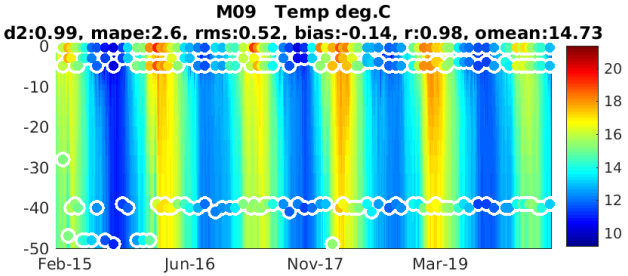

M08 Chl-lund mg/m3
d2:0.60, mape:50.9, rms:0.99, bias:-0.21, r:0.43, omean:1.33
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

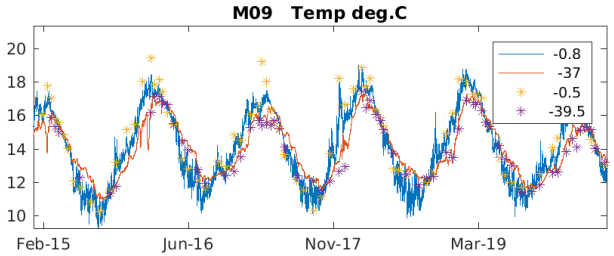

M08 DIP mg/m3
d2:0.63, mape:85.1, rms:7.95, bias:4.08, r:0.74, omean:7.08
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

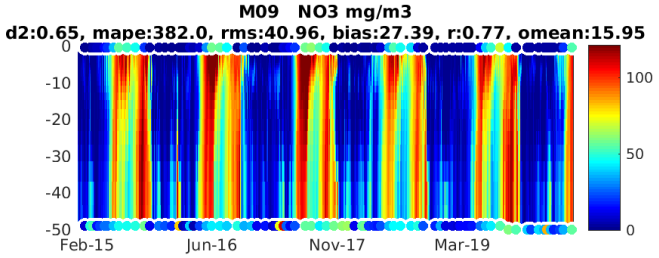

M08 DIP mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-28

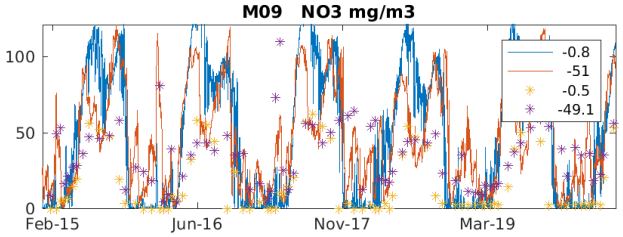

M08 Oxygen mg/m3
d2:0.65, mape:9.5, rms:976.34, bias:-599.94, r:0.63, omean:8170.89
0
-5
-10
-15
-20
-25
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000
5000

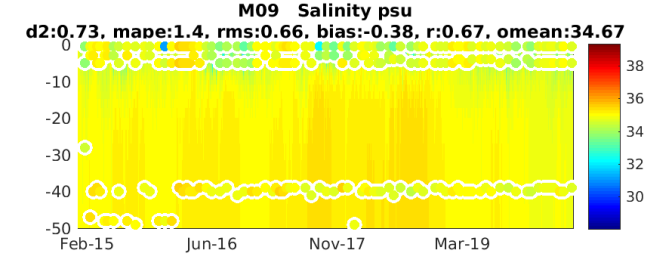

M08 Oxygen mg/m3
10000
9000
8000
7000
6000
5000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-27
-0.5
-27.3

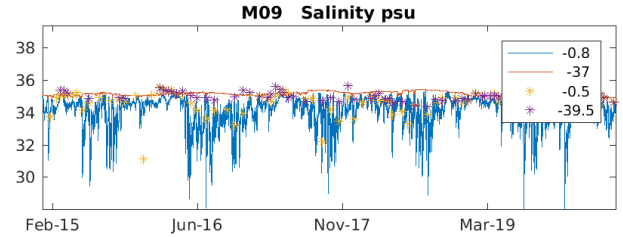

M09 Temp deg.C
d2:0.99, mape:2.6, rms:0.52, bias:-0.14, r:0.98, omean:14.73
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
20
18
16
14
12
10

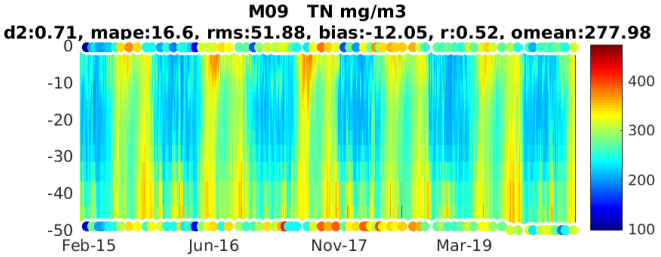

M09 Temp deg.C
20
18
16
14
12
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-37
-0.5
-39.5

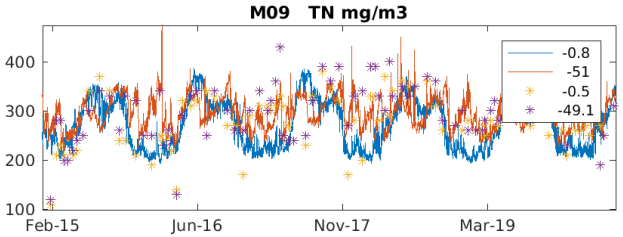

M09 NO3 mg/m3
d2:0.65, mape:382.0, rms:40.96, bias:27.39, r:0.77, omean:15.95
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
100
50
0

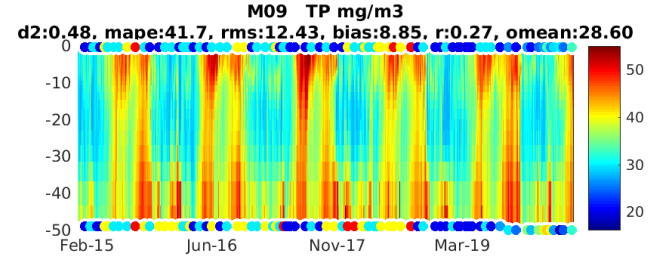

M09 NO3 mg/m3
100
50
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-51
-0.5
-49.1

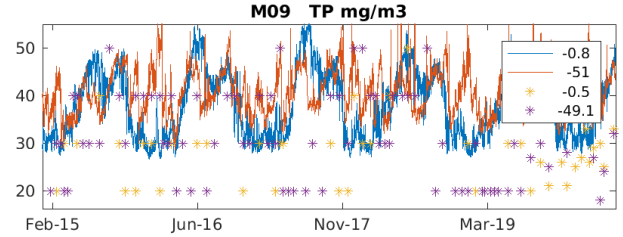

M09 Salinity psu
d2:0.73, mape:1.4, rms:0.66, bias:-0.38, r:0.67, omean:34.67
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
38
36
34
32
30

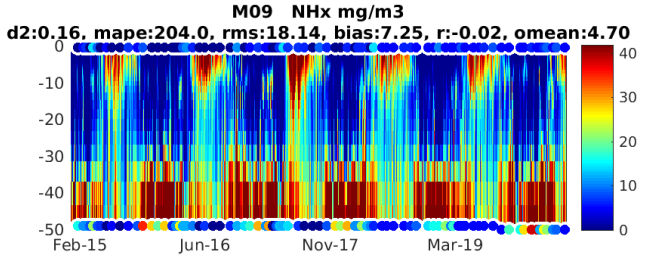

M09 Salinity psu
38
36
34
32
30
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-37
-0.5
-39.5

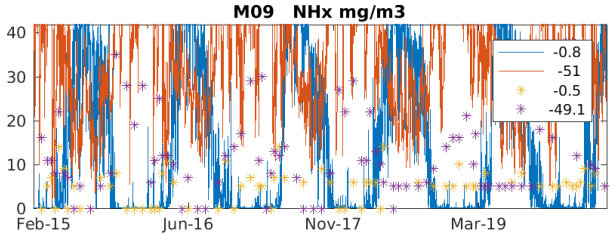

M09 TN mg/m3
d2:0.71, mape:16.6, rms:51.88, bias:-12.05, r:0.52, omean:277.98
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

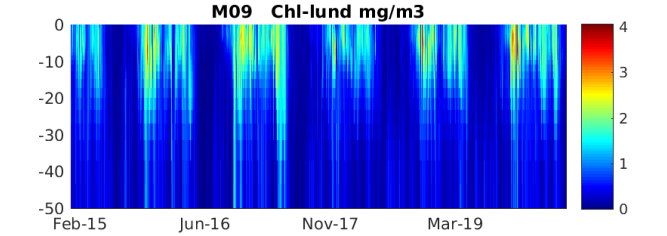

M09 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-51
-0.5
-49.1

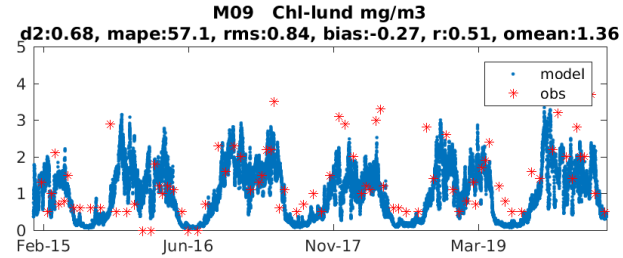

M09 TP mg/m3
d2:0.48, mape:41.7, rms:12.43, bias:8.85, r:0.27, omean:28.60
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20

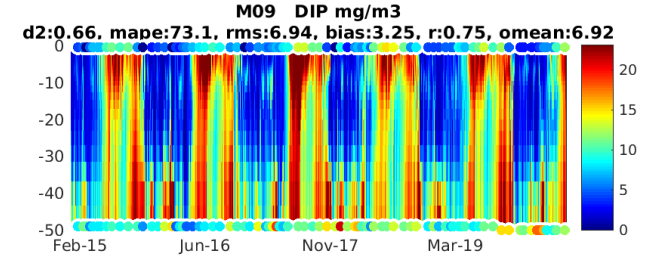

M09 TP mg/m3
50
40
30
20
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-51
-0.5
-49.1

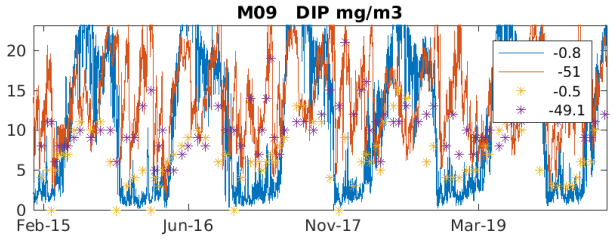

M09 NHx mg/m3
d2:0.16, mape:204.0, rms:18.14, bias:7.25, r:-0.02, omean:4.70
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
40
30
20
10
0

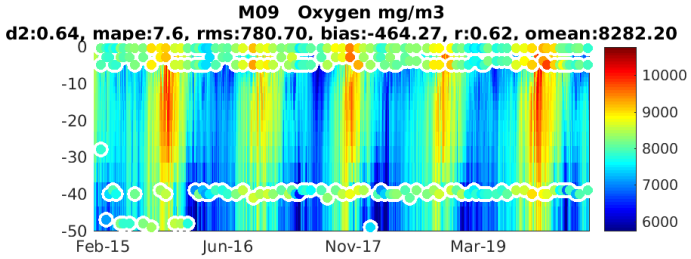

M09 NHx mg/m3
40
30
20
10
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-51
-0.5
-49.1

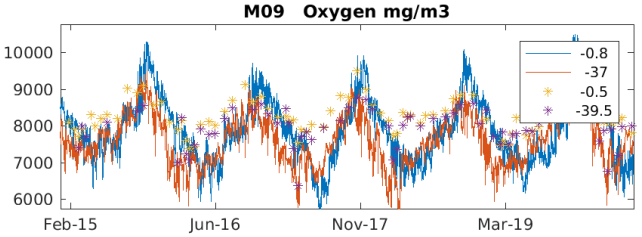

M09 Chl-lund mg/m3
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
4
3
2
1
0

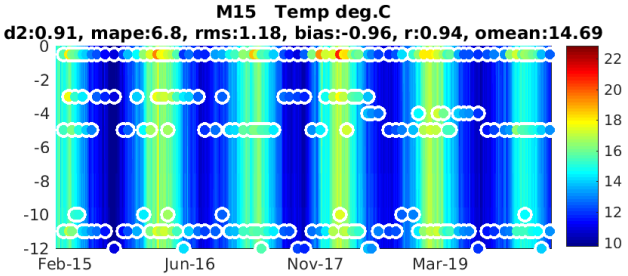

M09 Chl-lund mg/m3
d2:0.68, mape:57.1, rms:0.84, bias:-0.27, r:0.51, omean:1.36
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs

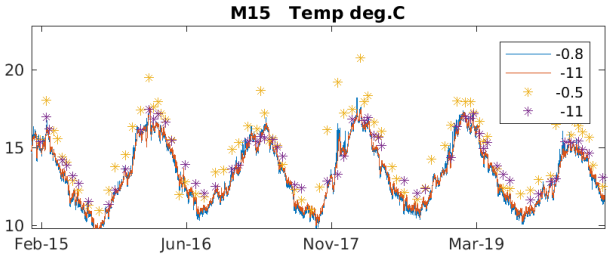

M09 DIP mg/m3
d2:0.66, mape:73.1, rms:6.94, bias:3.25, r:0.75, omean:6.92
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
20
15
10
5
0

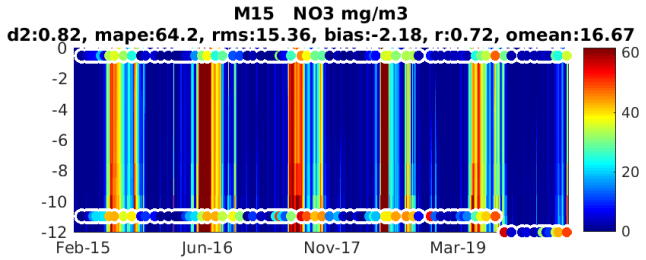

M09 DIP mg/m3
20
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-51
-0.5
-49.1

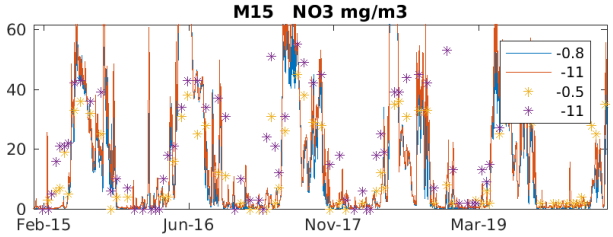

M09 Oxygen mg/m3
d2:0.64, mape:7.6, rms:780.70, bias:-464.27, r:0.62, omean:8282.20
0
-10
-20
-30
-40
-50
Feb-15
Jun-16
Nov-17
Mar-19
10000
9000
8000
7000
6000

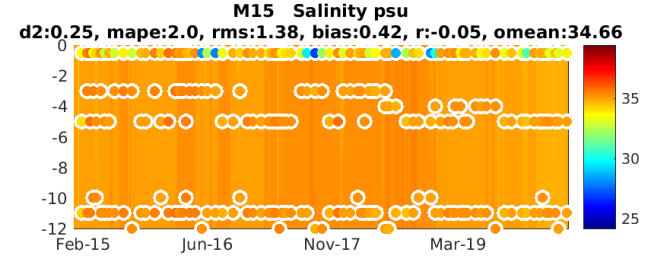

M09 Oxygen mg/m3
10000
9000
8000
7000
6000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-37
-0.5
-39.5

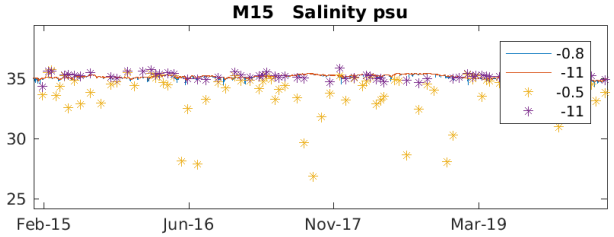

M15 Temp deg.C
d2:0.91, mape:6.8, rms:1.18, bias:-0.96, r:0.94, omean:14.69
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
22
20
18
16
14
12
10

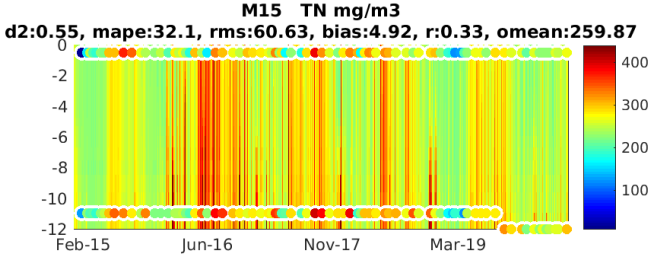

M15 Temp deg.C
20
15
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

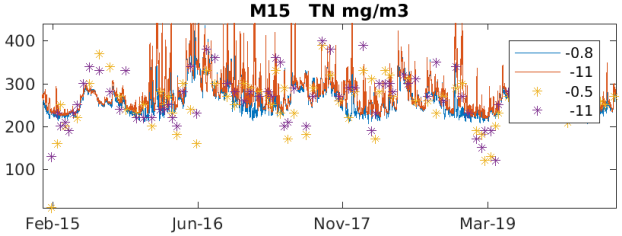

M15 NO3 mg/m3
d2:0.82, mape:64.2, rms:15.36, bias:-2.18, r:0.72, omean:16.67
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
60
40
20
0

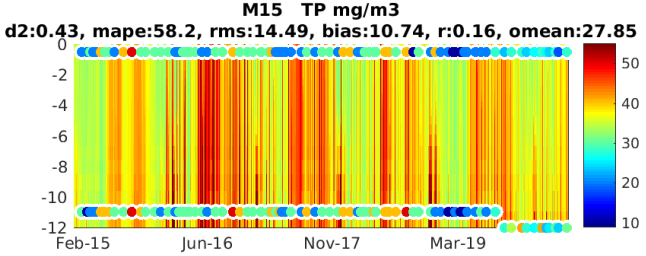

M15 NO3 mg/m3
60
40
20
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

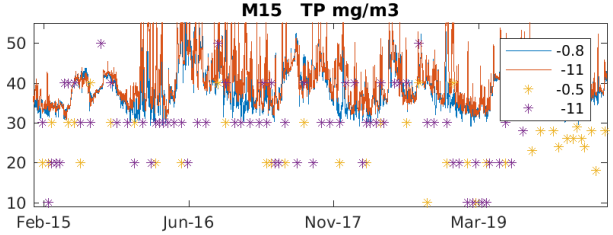

M15 Salinity psu
d2:0.25, mape:2.0, rms:1.38, bias:0.42, r:-0.05, omean:34.66
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
35
30
25

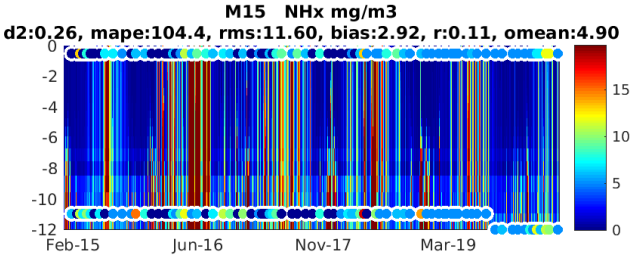

M15 Salinity psu
35
30
25
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

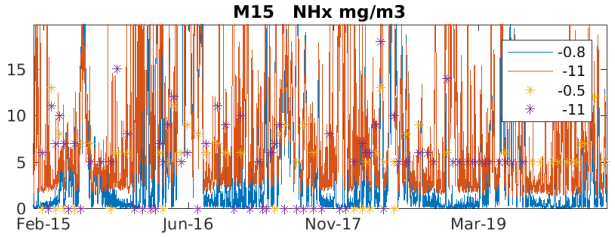

M15 TN mg/m3
d2:0.55, mape:32.1, rms:60.63, bias:4.92, r:0.33, omean:259.87
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
400
300
200
100

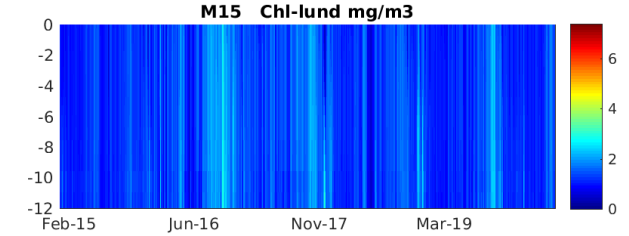

M15 TN mg/m3
400
300
200
100
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

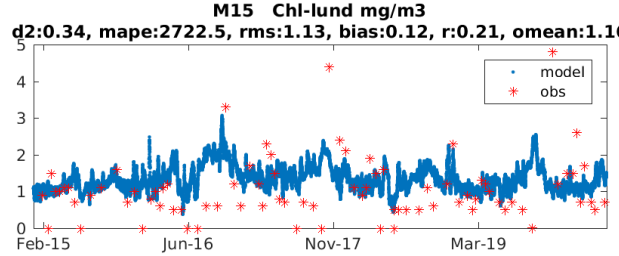

M15 TP mg/m3
d2:0.43, mape:58.2, rms:14.49, bias:10.74, r:0.16, omean:27.85
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
50
40
30
20
10

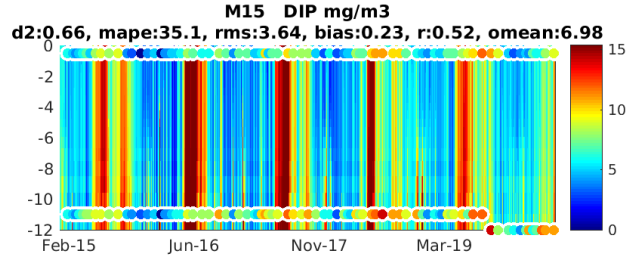

M15 TP mg/m3
50
40
30
20
10
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

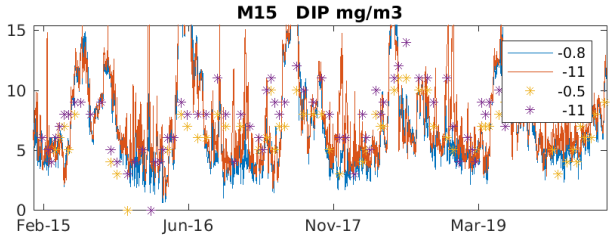

M15 NHx mg/m3
d2:0.26, mape:104.4, rms:11.60, bias:2.92, r:0.11, omean:4.90
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0

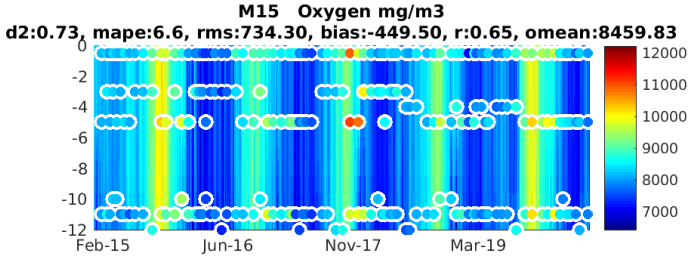

M15 NHx mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

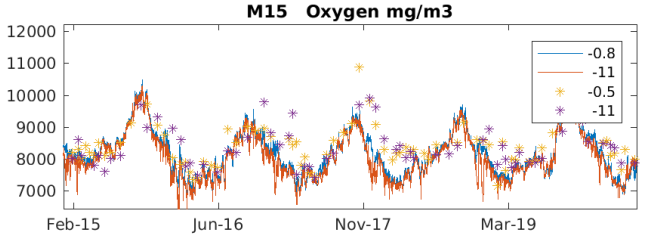

M15 Chl-lund mg/m3
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
6
4
2
0


M15 Chl-lund mg/m3
d2:0.34, mape:2722.5, rms:1.13, bias:0.12, r:0.21, omean:1.16
5
4
3
2
1
0
Feb-15
Jun-16
Nov-17
Mar-19
model
obs


M15 DIP mg/m3
d2:0.66, mape:35.1, rms:3.64, bias:0.23, r:0.52, omean:6.98
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
15
10
5
0


M15 DIP mg/m3
15
10
5
0
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11


M15 Oxygen mg/m3
d2:0.73, mape:6.6, rms:734.30, bias:-449.50, r:0.65, omean:8459.83
0
-2
-4
-6
-8
-10
-12
Feb-15
Jun-16
Nov-17
Mar-19
12000
11000
10000
9000
8000
7000


M15 Oxygen mg/m3
12000
11000
10000
9000
8000
7000
Feb-15
Jun-16
Nov-17
Mar-19
-0.8
-11
-0.5
-11

CONTACT US

t 1300 363 400
+61 3 9545 2176
e csiroenquiries@csiro.au
w www.csiro.au

AT CSIRO, WE DO THE EXTRAORDINARY EVERY DAY

We innovate for tomorrow and help improve today – for our customers, all Australians and the world.

Our innovations contribute billions of dollars to the Australian economy every year. As the largest patent holder in the nation, our vast wealth of intellectual property has led to more than 150 spin-off companies.

With more than 5,000 experts and a burning desire to get things done, we are Australia's catalyst for innovation.

CSIRO. WE IMAGINE. WE COLLABORATE. WE INNOVATE.

FOR FURTHER INFORMATION

CSIRO Oceans & Atmosphere
Karen Wild-Allen
t +61 4 6232 50**10**
e **karen.wild-allen**@csiro.au
w www.csiro.au