Appendix G.
Model Performance Plots for 2008

This appendix includes Appendix G1, which compares model-predicted and observed water quality parameters using scatter, time series, time-depth, and profile plots. Appendix D explains how to interpret a time-depth plot. Appendix G2 contains plots and statistics showing model performance at the surface, middle, and bottom waters for all stations with DO observations. Also, included is Appendix G3 which compares model-predicted and observed water surface elevations using scatter and time series plots. For definitions of terms, including statistical performance metrics, refer to the glossary in the main report. Equations for skill statistics used in this appendix are included in Appendix D.

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[1]https://ecology.wa.gov/about-us/accessibility-equity/accessibility

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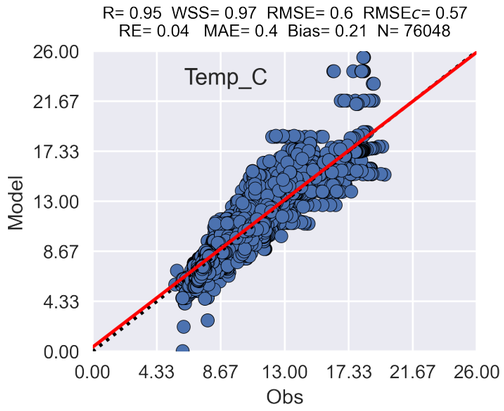
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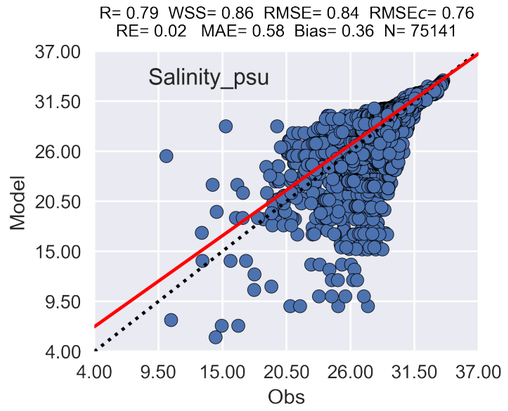
Surface water elevations scatterplots (Model vs Obs) 144

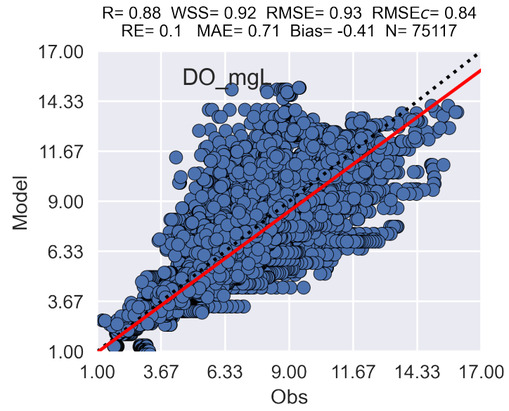
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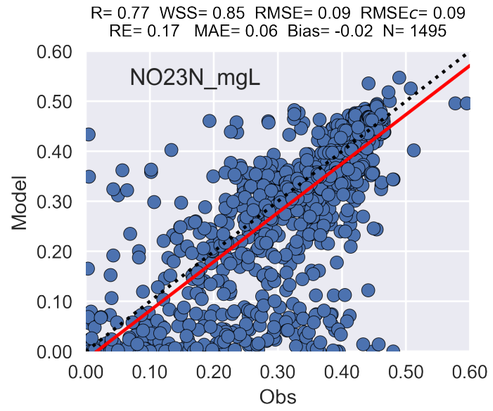
Appendix G1.
Water Quality Model Performance Plots for 2008

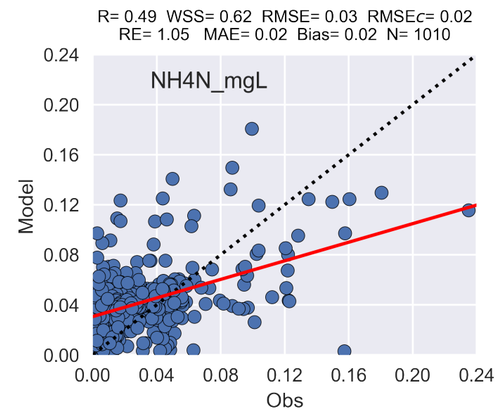
Note: The scales for time series and time-depth plots are based on the maximum for a given station (model or observed).

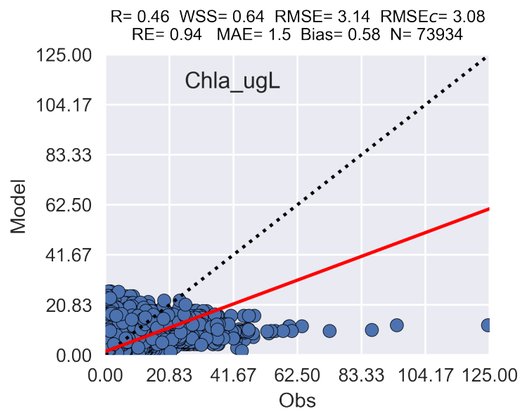

R= 0.95 WSS= 0.97 RMSE= 0.6 RMSEc= 0.57
RE= 0.04 MAE= 0.4 Bias= 0.21 N= 76048
Temp_C
Model
Obs
0.00
4.33
8.67
13.00
17.33
21.67
26.00

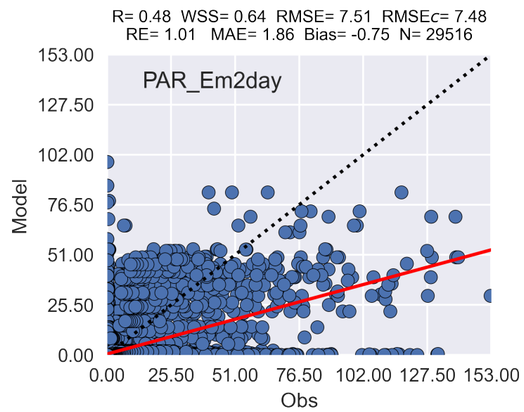

R= 0.79 WSS= 0.86 RMSE= 0.84 RMSEc= 0.76
RE= 0.02 MAE= 0.58 Bias= 0.36 N= 75141
Salinity_psu
Model
Obs
4.00
9.50
15.00
20.50
26.00
31.50
37.00

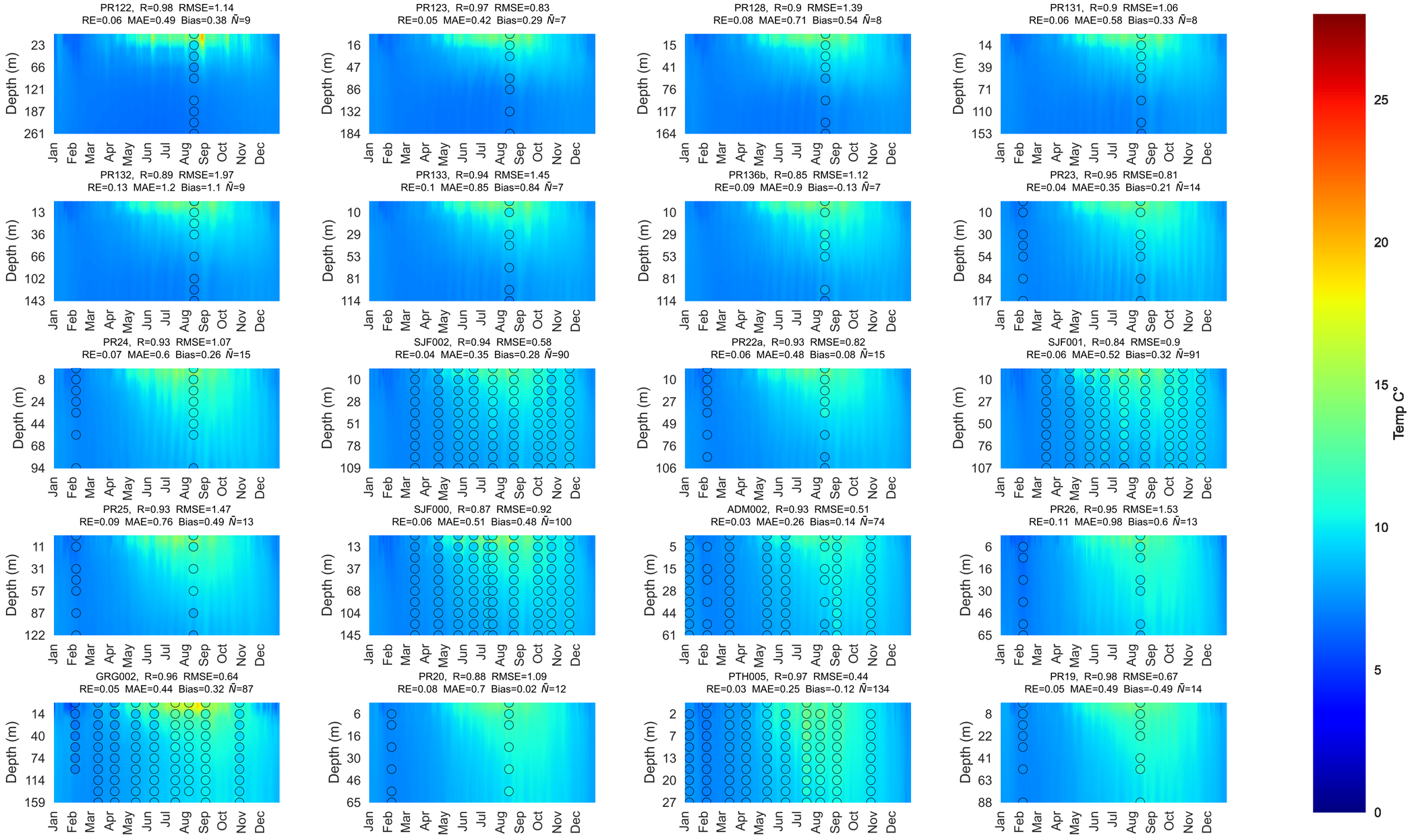

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RE= 0.1 MAE= 0.71 Bias= -0.41 N= 75117
DO_mgL
Model
Obs
1.00
3.67
6.33
9.00
11.67
14.33
17.00

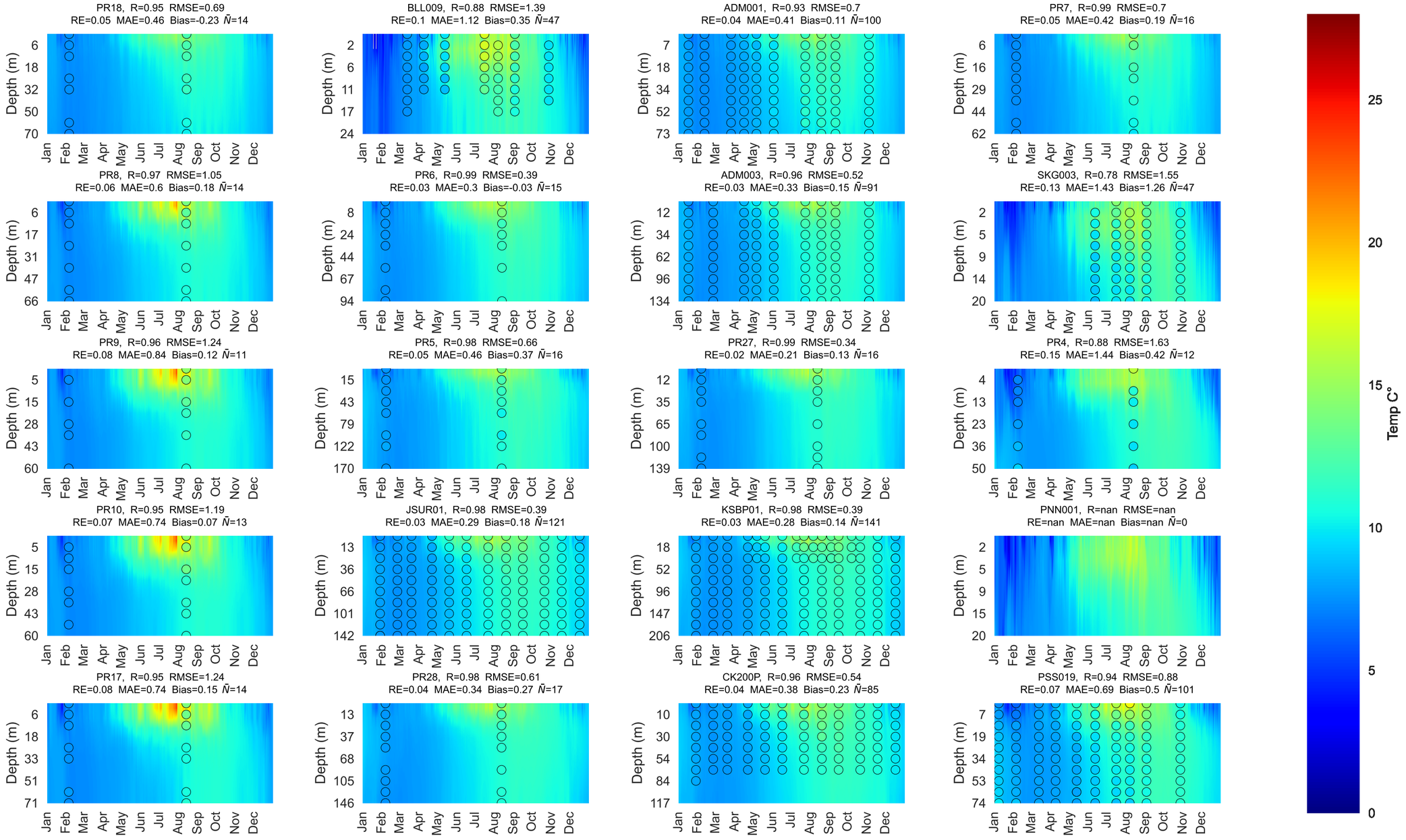

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NO23N_mgL
Model
Obs
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0.10
0.20
0.30
0.40
0.50
0.60

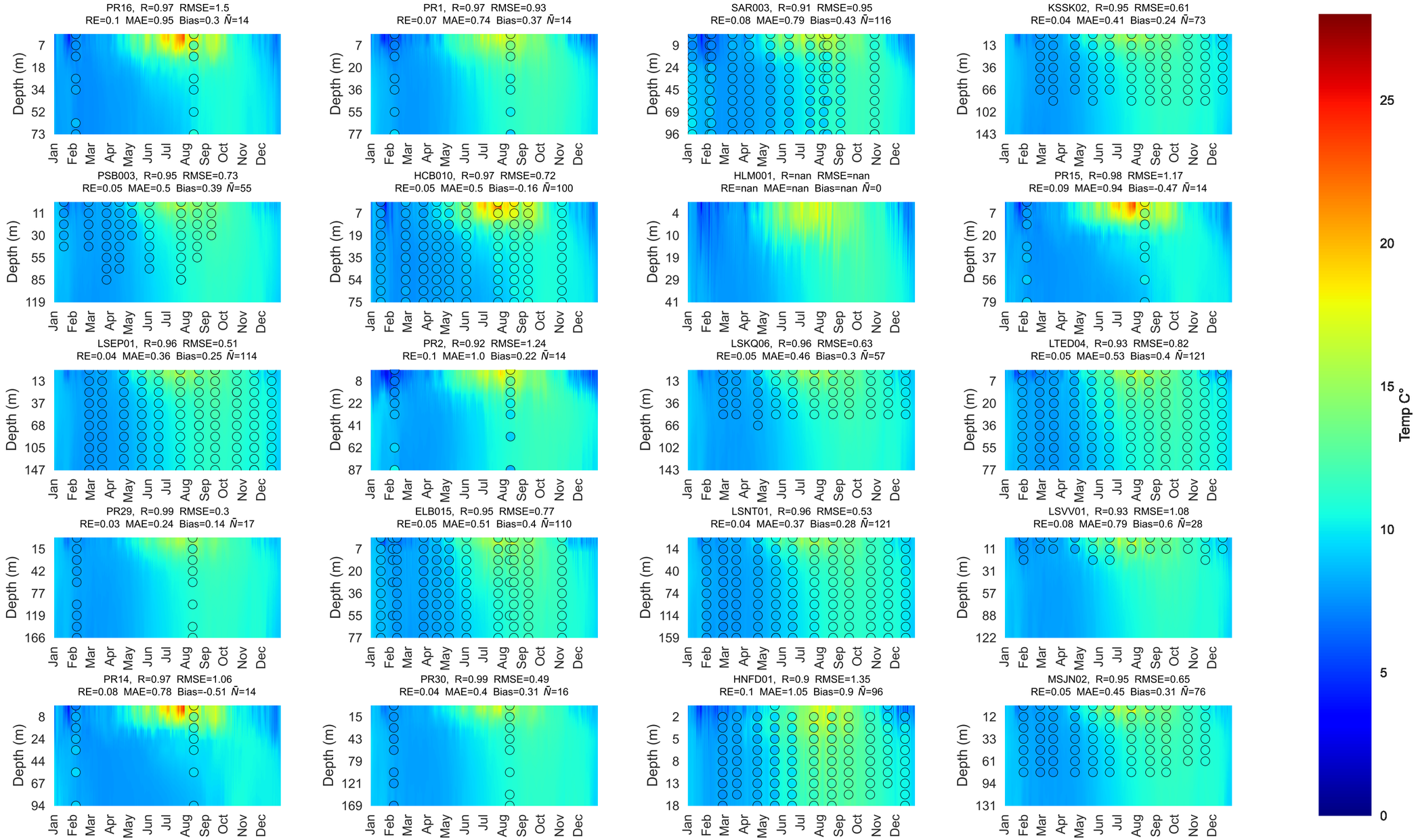

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NH4N_mgL
Model
Obs
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0.04
0.08
0.12
0.16
0.20
0.24

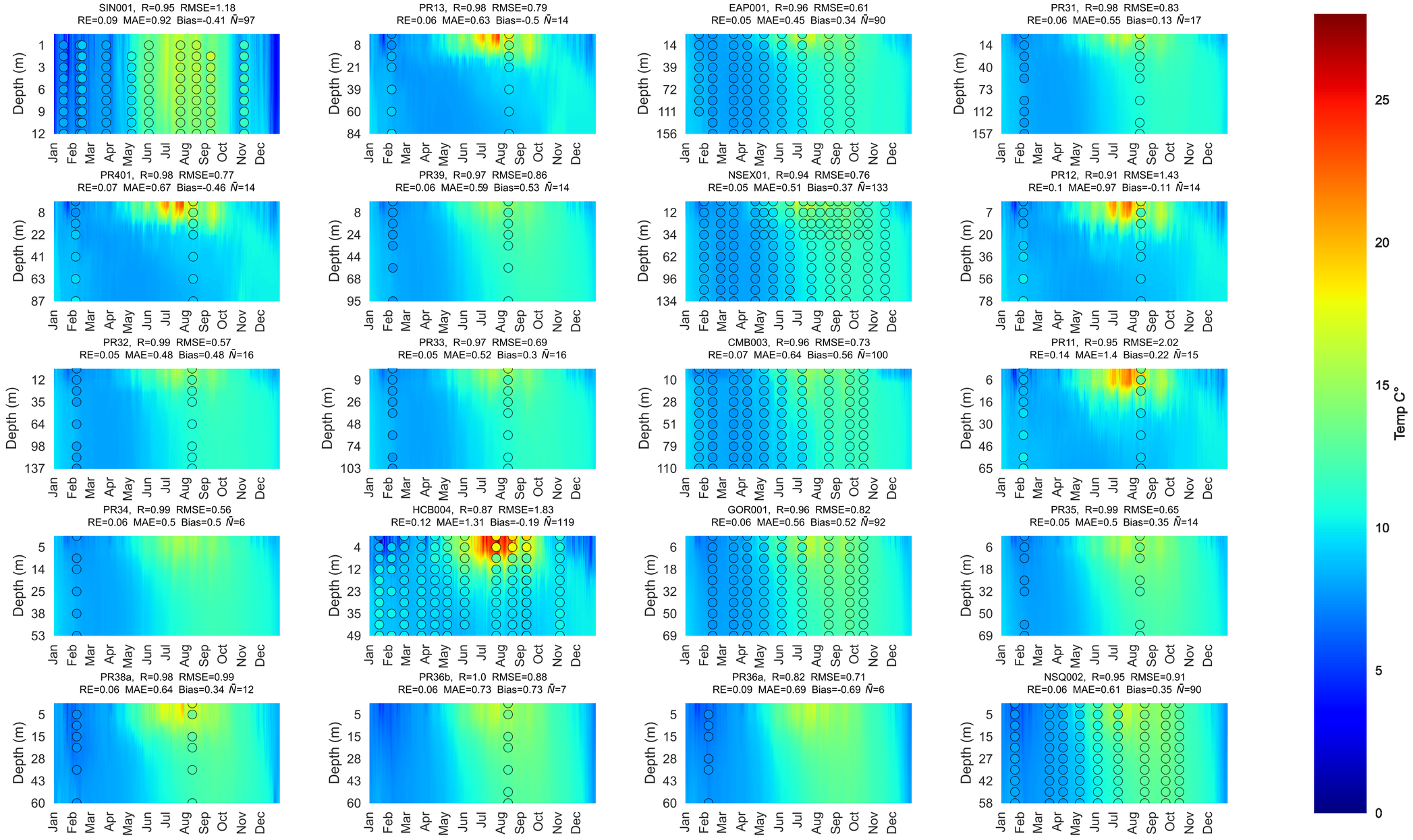

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RE= 0.94 MAE= 1.5 Bias= 0.58 N= 73934
Chla_ugL
Model
Obs
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41.67
62.50
83.33
104.17
125.00

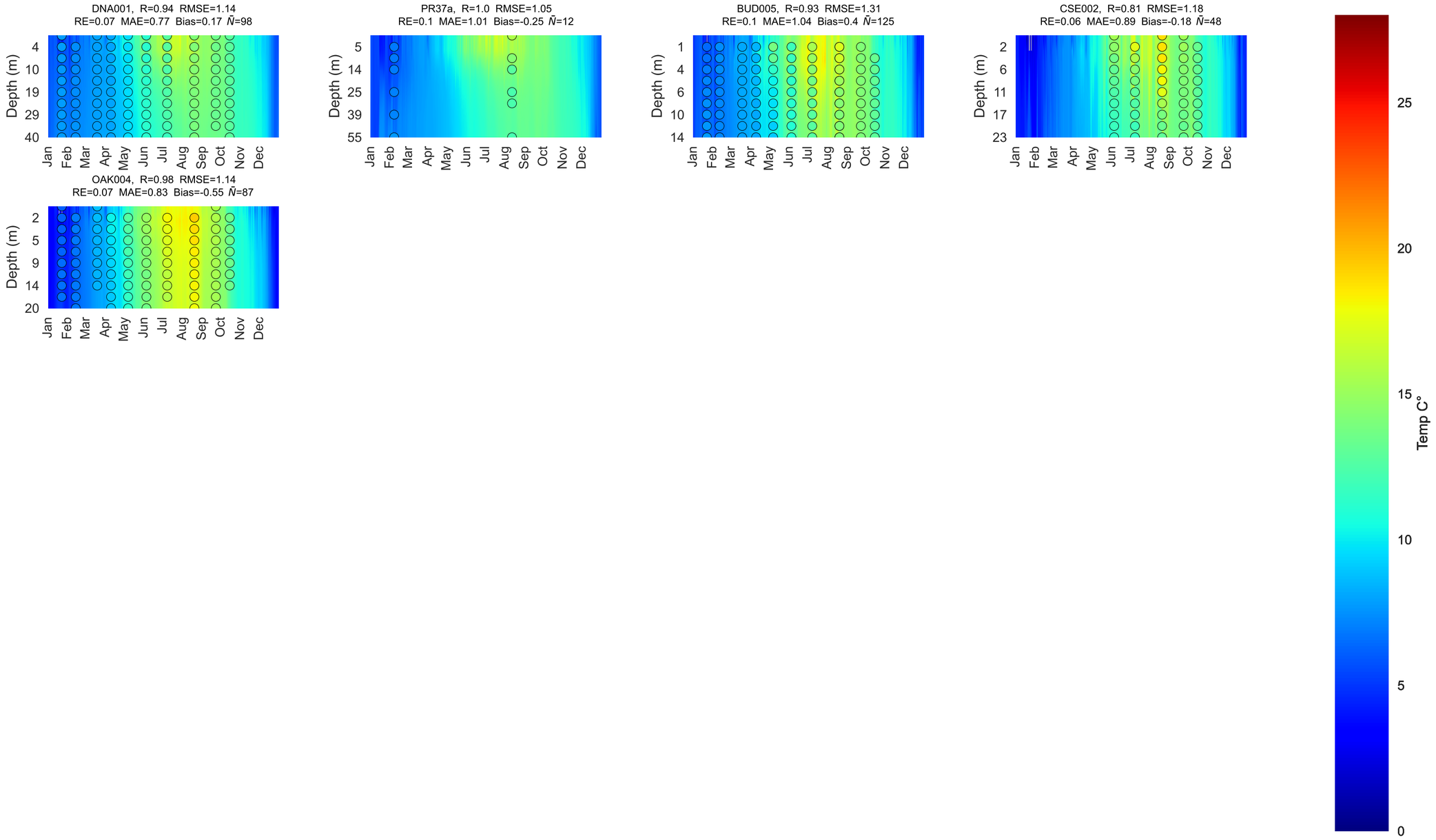

R= 0.48 WSS= 0.64 RMSE= 7.51 RMSEc= 7.48
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PAR_Em2day
Model
Obs
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25.50
51.00
76.50
102.00
127.50
153.00

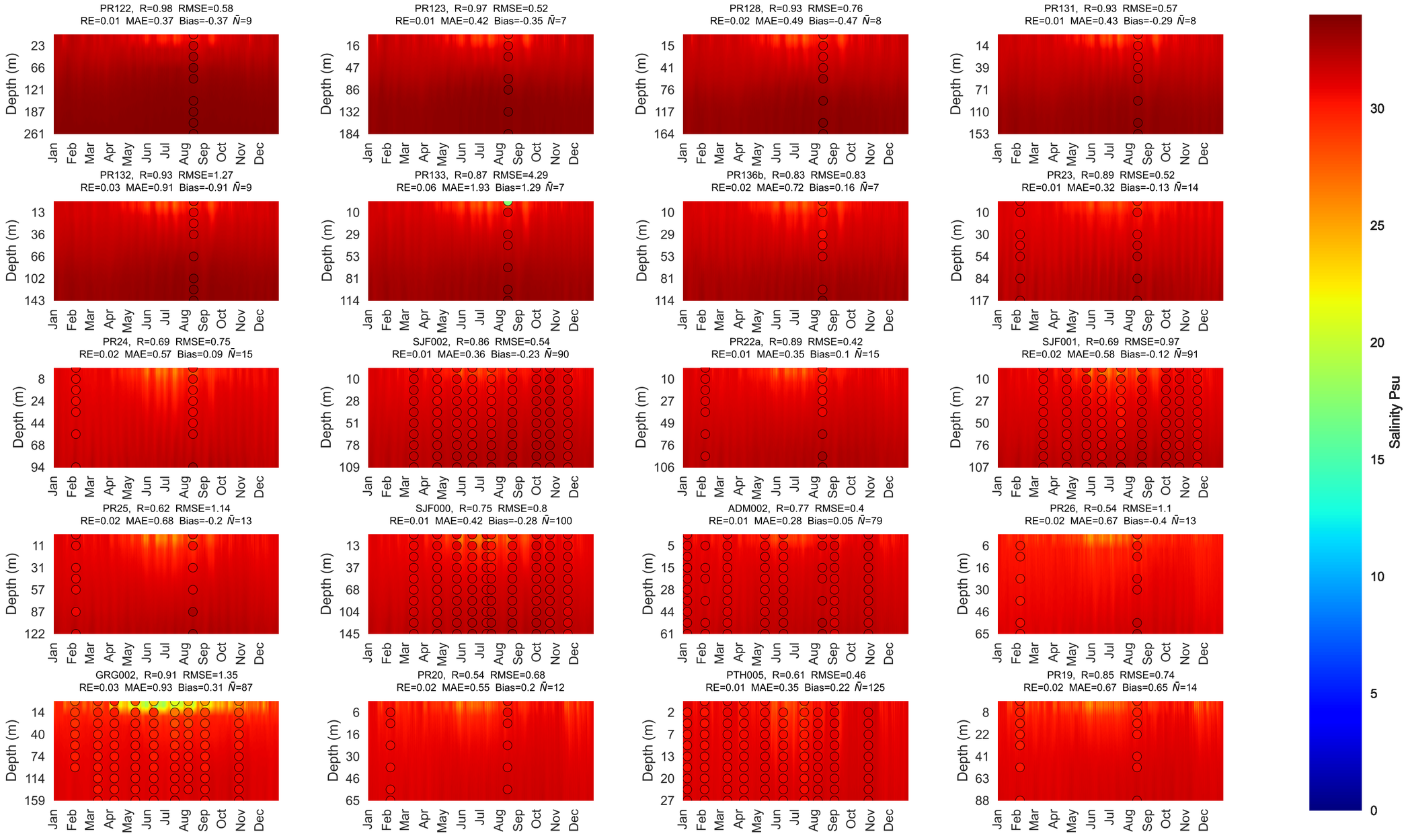

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PR128, R=0.9 RMSE=1.39
RE=0.08 MAE=0.71 Bias=0.54 N̄=8
PR131, R=0.9 RMSE=1.06
RE=0.06 MAE=0.58 Bias=0.33 N̄=8
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RE=0.04 MAE=0.35 Bias=0.28 N̄=90
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RE=0.06 MAE=0.48 Bias=0.08 N̄=15
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RE=0.06 MAE=0.52 Bias=0.32 N̄=91
PR25, R=0.93 RMSE=1.47
RE=0.09 MAE=0.76 Bias=0.49 N̄=13
SJF000, R=0.87 RMSE=0.92
RE=0.06 MAE=0.51 Bias=0.48 N̄=100
ADM002, R=0.93 RMSE=0.51
RE=0.03 MAE=0.26 Bias=0.14 N̄=74
PR26, R=0.95 RMSE=1.53
RE=0.11 MAE=0.98 Bias=0.6 N̄=13
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RE=0.05 MAE=0.44 Bias=0.32 N̄=87
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RE=0.08 MAE=0.7 Bias=0.02 N̄=12
PTH005, R=0.97 RMSE=0.44
RE=0.03 MAE=0.25 Bias=-0.12 N̄=134
PR19, R=0.98 RMSE=0.67
RE=0.05 MAE=0.49 Bias=-0.49 N̄=14
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Temp C°
25
20
15
10
5
0

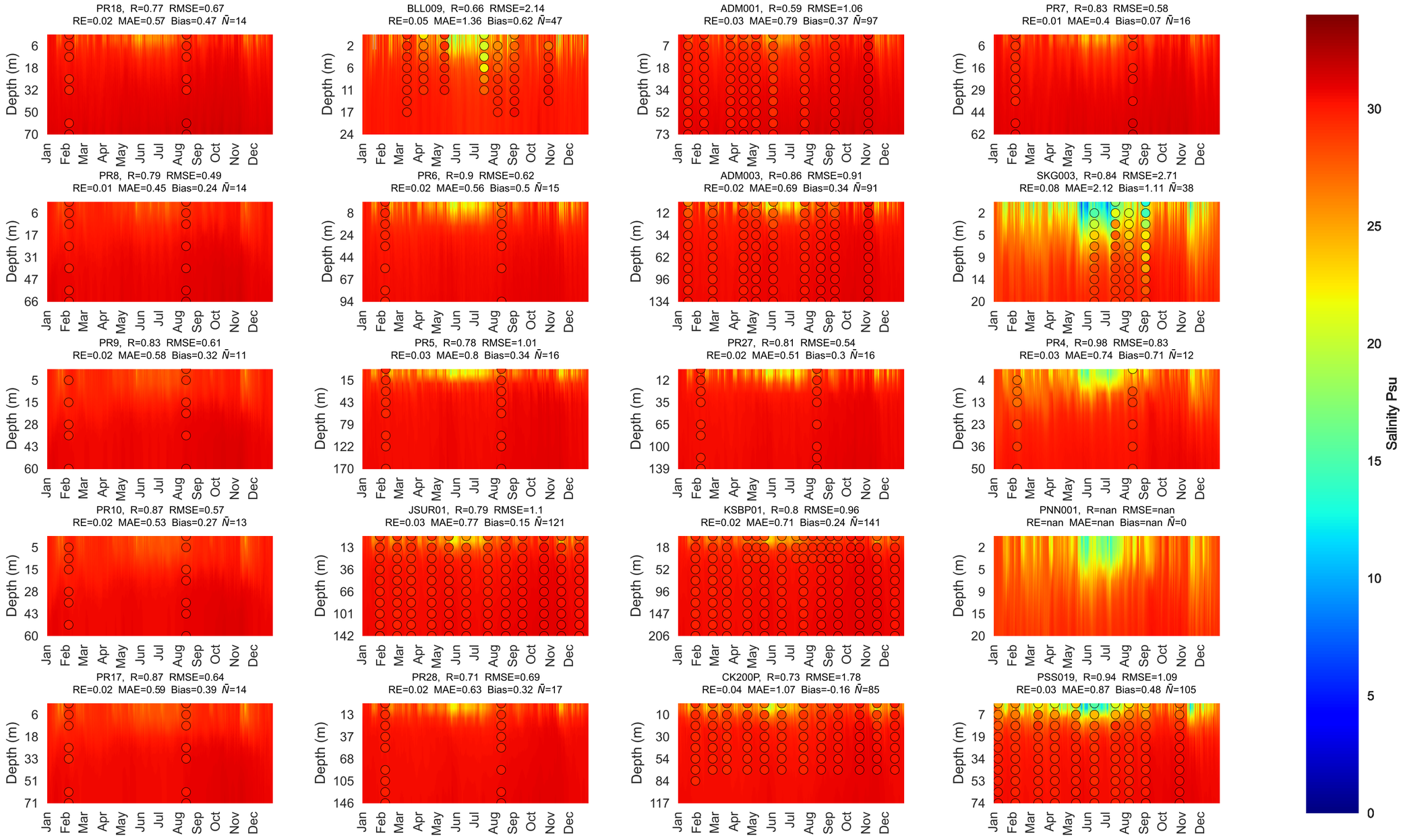

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BLL009, R=0.88 RMSE=1.39
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RE=0.04 MAE=0.41 Bias=0.11 N̄=100
PR7, R=0.99 RMSE=0.7
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PR6, R=0.99 RMSE=0.39
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ADM003, R=0.96 RMSE=0.52
RE=0.03 MAE=0.33 Bias=0.15 N̄=91
SKG003, R=0.78 RMSE=1.55
RE=0.13 MAE=1.43 Bias=1.26 N̄=47
PR9, R=0.96 RMSE=1.24
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PR5, R=0.98 RMSE=0.66
RE=0.05 MAE=0.46 Bias=0.37 N̄=16
PR27, R=0.99 RMSE=0.34
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PR4, R=0.88 RMSE=1.63
RE=0.15 MAE=1.44 Bias=0.42 N̄=12
PR10, R=0.95 RMSE=1.19
RE=0.07 MAE=0.74 Bias=0.07 N̄=13
JSUR01, R=0.98 RMSE=0.39
RE=0.03 MAE=0.29 Bias=0.18 N̄=121
KSBP01, R=0.98 RMSE=0.39
RE=0.03 MAE=0.28 Bias=0.14 N̄=141
PNN001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR17, R=0.95 RMSE=1.24
RE=0.08 MAE=0.74 Bias=0.15 N̄=14
PR28, R=0.98 RMSE=0.61
RE=0.04 MAE=0.34 Bias=0.27 N̄=17
CK200P, R=0.96 RMSE=0.54
RE=0.04 MAE=0.38 Bias=0.23 N̄=85
PSS019, R=0.94 RMSE=0.88
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Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Temp C°
0 5 10 15 20 25

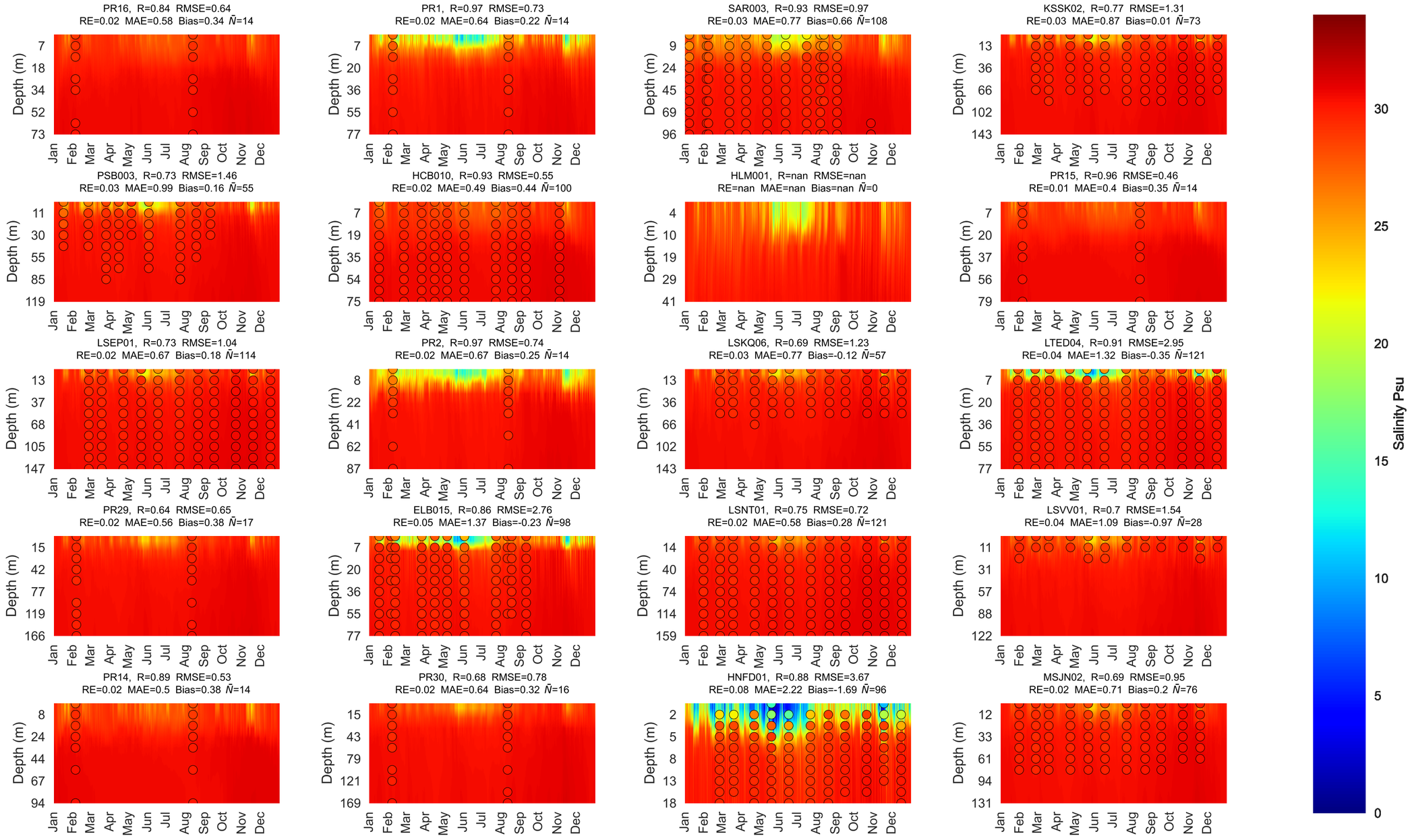

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RE=0.1 MAE=0.95 Bias=0.3 N̄=14
PR1, R=0.97 RMSE=0.93
RE=0.07 MAE=0.74 Bias=0.37 N̄=14
SAR003, R=0.91 RMSE=0.95
RE=0.08 MAE=0.79 Bias=0.43 N̄=116
KSSK02, R=0.95 RMSE=0.61
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PSB003, R=0.95 RMSE=0.73
RE=0.05 MAE=0.5 Bias=0.39 N̄=55
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HLM001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR15, R=0.98 RMSE=1.17
RE=0.09 MAE=0.94 Bias=-0.47 N̄=14
LSEP01, R=0.96 RMSE=0.51
RE=0.04 MAE=0.36 Bias=0.25 N̄=114
PR2, R=0.92 RMSE=1.24
RE=0.1 MAE=1.0 Bias=0.22 N̄=14
LSKQ06, R=0.96 RMSE=0.63
RE=0.05 MAE=0.46 Bias=0.3 N̄=57
LTED04, R=0.93 RMSE=0.82
RE=0.05 MAE=0.53 Bias=0.4 N̄=121
PR29, R=0.99 RMSE=0.3
RE=0.03 MAE=0.24 Bias=0.14 N̄=17
ELB015, R=0.95 RMSE=0.77
RE=0.05 MAE=0.51 Bias=0.4 N̄=110
LSNT01, R=0.96 RMSE=0.53
RE=0.04 MAE=0.37 Bias=0.28 N̄=121
LSVV01, R=0.93 RMSE=1.08
RE=0.08 MAE=0.79 Bias=0.6 N̄=28
PR14, R=0.97 RMSE=1.06
RE=0.08 MAE=0.78 Bias=-0.51 N̄=14
PR30, R=0.99 RMSE=0.49
RE=0.04 MAE=0.4 Bias=0.31 N̄=16
HNFD01, R=0.9 RMSE=1.35
RE=0.1 MAE=1.05 Bias=0.9 N̄=96
MSJN02, R=0.95 RMSE=0.65
RE=0.05 MAE=0.45 Bias=0.31 N̄=76
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Temp C°
0 5 10 15 20 25

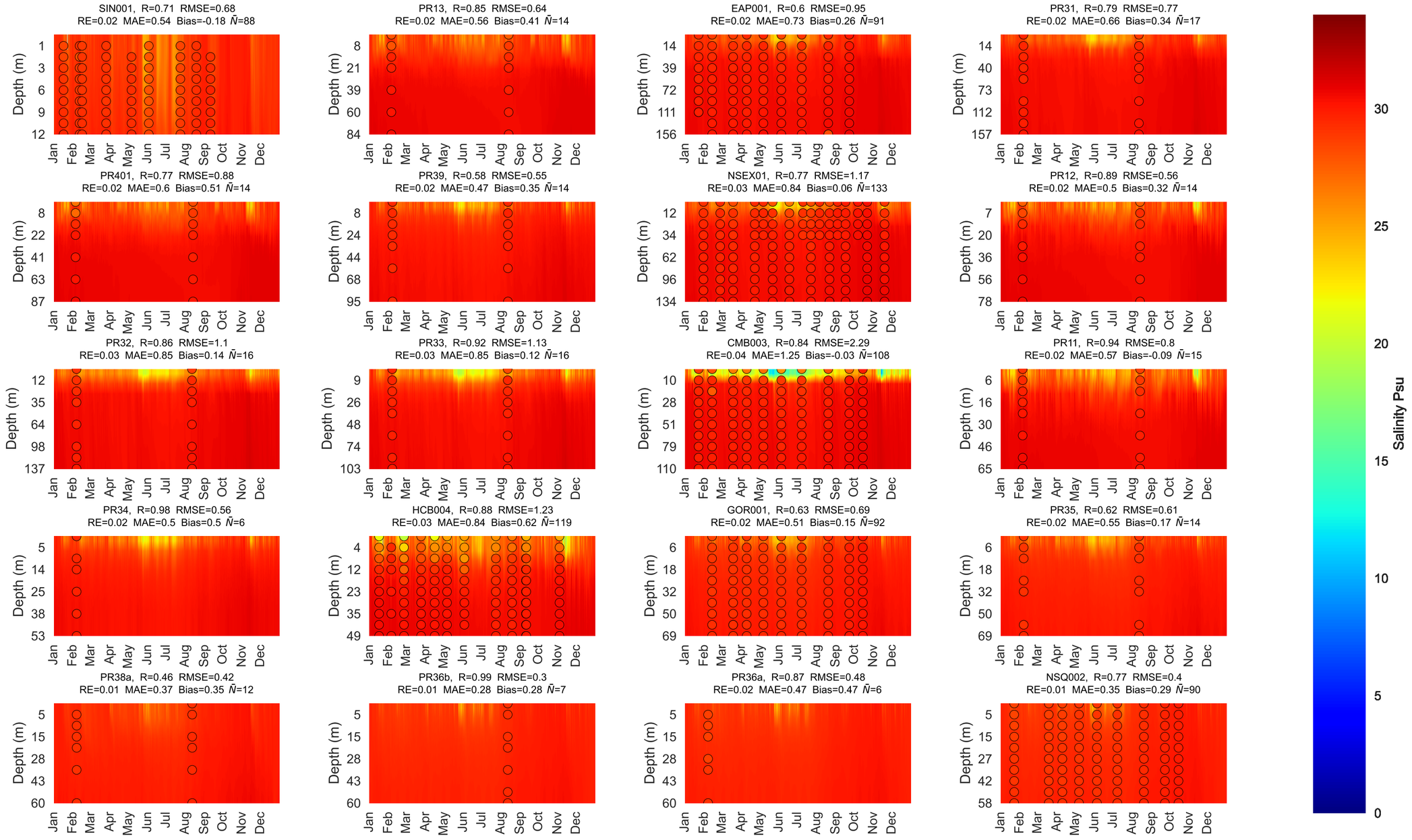

SIN001, R=0.95 RMSE=1.18
RE=0.09 MAE=0.92 Bias=-0.41 $\bar{N}$=97
PR13, R=0.98 RMSE=0.79
RE=0.06 MAE=0.63 Bias=-0.5 $\bar{N}$=14
EAP001, R=0.96 RMSE=0.61
RE=0.05 MAE=0.45 Bias=0.34 $\bar{N}$=90
PR31, R=0.98 RMSE=0.83
RE=0.06 MAE=0.55 Bias=0.13 $\bar{N}$=17
PR401, R=0.98 RMSE=0.77
RE=0.07 MAE=0.67 Bias=-0.46 $\bar{N}$=14
PR39, R=0.97 RMSE=0.86
RE=0.06 MAE=0.59 Bias=0.53 $\bar{N}$=14
NSEX01, R=0.94 RMSE=0.76
RE=0.05 MAE=0.51 Bias=0.37 $\bar{N}$=133
PR12, R=0.91 RMSE=1.43
RE=0.1 MAE=0.97 Bias=-0.11 $\bar{N}$=14
PR32, R=0.99 RMSE=0.57
RE=0.05 MAE=0.48 Bias=0.48 $\bar{N}$=16
PR33, R=0.97 RMSE=0.69
RE=0.05 MAE=0.52 Bias=0.3 $\bar{N}$=16
CMB003, R=0.96 RMSE=0.73
RE=0.07 MAE=0.64 Bias=0.56 $\bar{N}$=100
PR11, R=0.95 RMSE=2.02
RE=0.14 MAE=1.4 Bias=0.22 $\bar{N}$=15
PR34, R=0.99 RMSE=0.56
RE=0.06 MAE=0.5 Bias=0.5 $\bar{N}$=6
HCB004, R=0.87 RMSE=1.83
RE=0.12 MAE=1.31 Bias=-0.19 $\bar{N}$=119
GOR001, R=0.96 RMSE=0.82
RE=0.06 MAE=0.56 Bias=0.52 $\bar{N}$=92
PR35, R=0.99 RMSE=0.65
RE=0.05 MAE=0.5 Bias=0.35 $\bar{N}$=14
PR38a, R=0.98 RMSE=0.99
RE=0.06 MAE=0.64 Bias=0.34 $\bar{N}$=12
PR36b, R=1.0 RMSE=0.88
RE=0.06 MAE=0.73 Bias=0.73 $\bar{N}$=7
PR36a, R=0.82 RMSE=0.71
RE=0.09 MAE=0.69 Bias=-0.69 $\bar{N}$=6
NSQ002, R=0.95 RMSE=0.91
RE=0.06 MAE=0.61 Bias=0.35 $\bar{N}$=90
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Temp C°
0 5 10 15 20 25

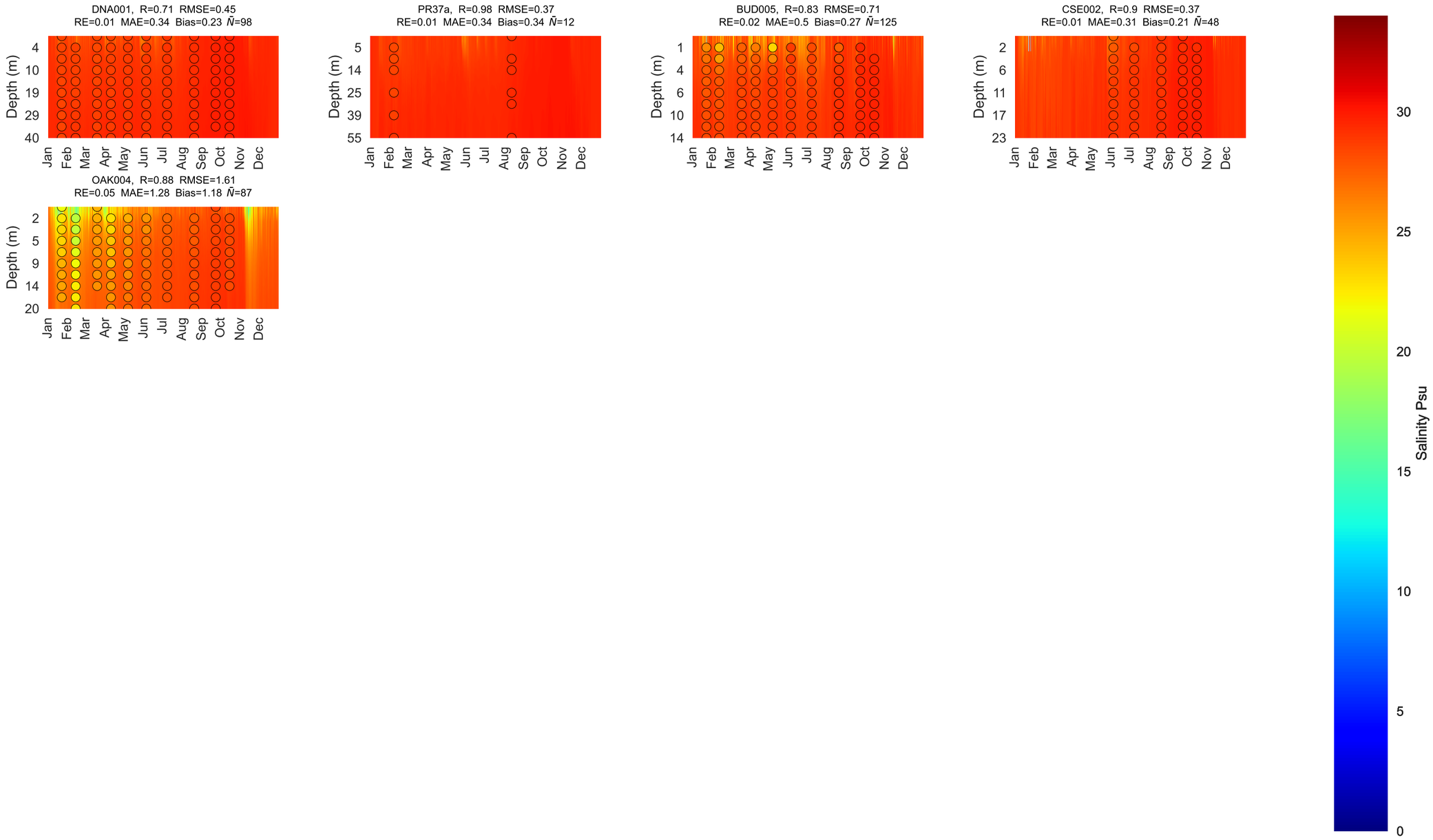

DNA001, R=0.94 RMSE=1.14
RE=0.07 MAE=0.77 Bias=0.17 $\bar{N}$=98
PR37a, R=1.0 RMSE=1.05
RE=0.1 MAE=1.01 Bias=-0.25 $\bar{N}$=12
BUD005, R=0.93 RMSE=1.31
RE=0.1 MAE=1.04 Bias=0.4 $\bar{N}$=125
CSE002, R=0.81 RMSE=1.18
RE=0.06 MAE=0.89 Bias=-0.18 $\bar{N}$=48
OAK004, R=0.98 RMSE=1.14
RE=0.07 MAE=0.83 Bias=-0.55 $\bar{N}$=87
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Temp C
0 5 10 15 20 25

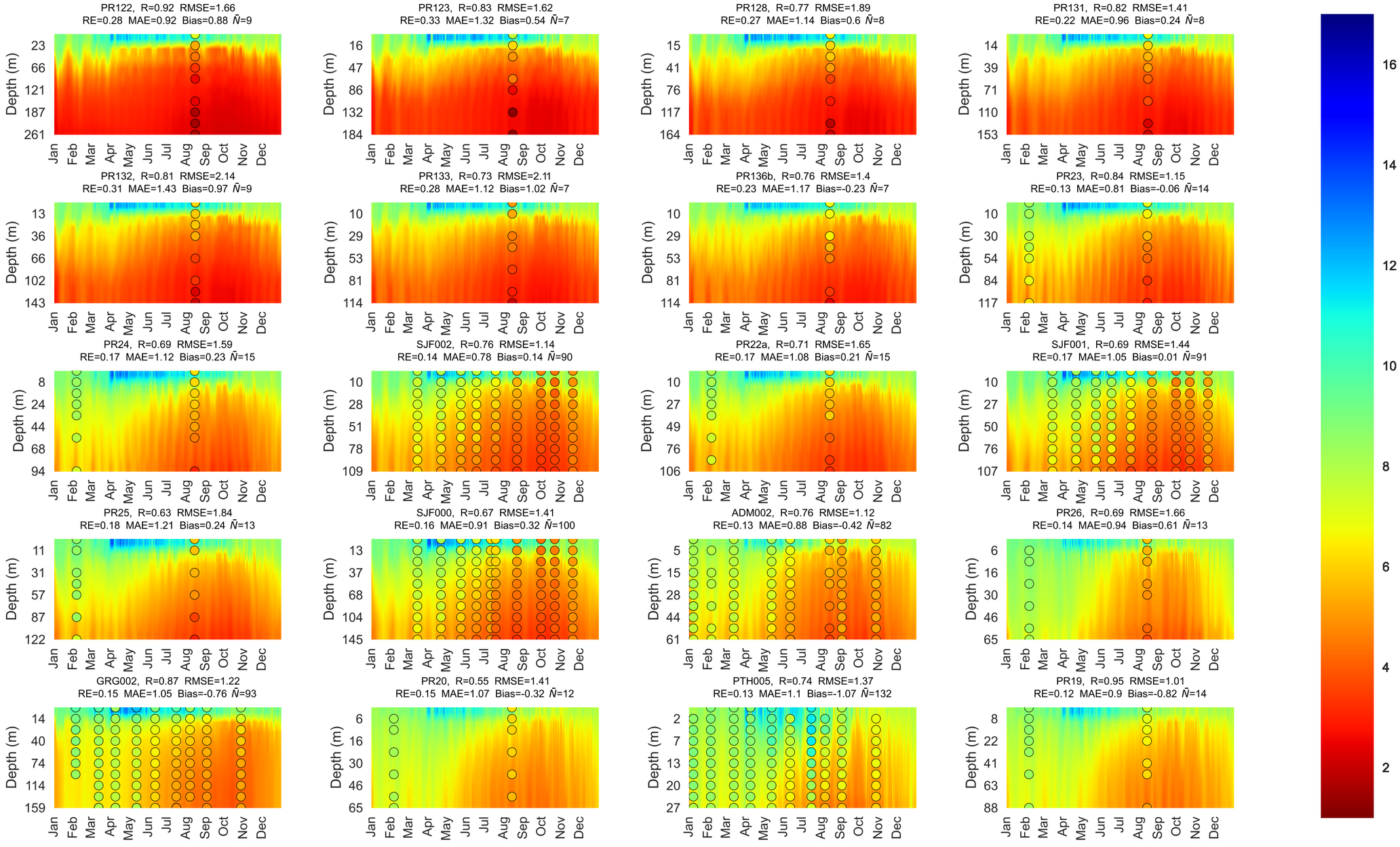

PR122, R=0.98 RMSE=0.58
RE=0.01 MAE=0.37 Bias=-0.37 $\tilde{N}$=9
PR123, R=0.97 RMSE=0.52
RE=0.01 MAE=0.42 Bias=-0.35 $\tilde{N}$=7
PR128, R=0.93 RMSE=0.76
RE=0.02 MAE=0.49 Bias=-0.47 $\tilde{N}$=8
PR131, R=0.93 RMSE=0.57
RE=0.01 MAE=0.43 Bias=-0.29 $\tilde{N}$=8
PR132, R=0.93 RMSE=1.27
RE=0.03 MAE=0.91 Bias=-0.91 $\tilde{N}$=9
PR133, R=0.87 RMSE=4.29
RE=0.06 MAE=1.93 Bias=1.29 $\tilde{N}$=7
PR136b, R=0.83 RMSE=0.83
RE=0.02 MAE=0.72 Bias=0.16 $\tilde{N}$=7
PR23, R=0.89 RMSE=0.52
RE=0.01 MAE=0.32 Bias=-0.13 $\tilde{N}$=14
PR24, R=0.69 RMSE=0.75
RE=0.02 MAE=0.57 Bias=0.09 $\tilde{N}$=15
SJF002, R=0.86 RMSE=0.54
RE=0.01 MAE=0.36 Bias=-0.23 $\tilde{N}$=90
PR22a, R=0.89 RMSE=0.42
RE=0.01 MAE=0.35 Bias=0.1 $\tilde{N}$=15
SJF001, R=0.69 RMSE=0.97
RE=0.02 MAE=0.58 Bias=-0.12 $\tilde{N}$=91
PR25, R=0.62 RMSE=1.14
RE=0.02 MAE=0.68 Bias=-0.2 $\tilde{N}$=13
SJF000, R=0.75 RMSE=0.8
RE=0.01 MAE=0.42 Bias=-0.28 $\tilde{N}$=100
ADM002, R=0.77 RMSE=0.4
RE=0.01 MAE=0.28 Bias=0.05 $\tilde{N}$=79
PR26, R=0.54 RMSE=1.1
RE=0.02 MAE=0.67 Bias=-0.4 $\tilde{N}$=13
GRG002, R=0.91 RMSE=1.35
RE=0.03 MAE=0.93 Bias=0.31 $\tilde{N}$=87
PR20, R=0.54 RMSE=0.68
RE=0.02 MAE=0.55 Bias=0.2 $\tilde{N}$=12
PTH005, R=0.61 RMSE=0.46
RE=0.01 MAE=0.35 Bias=0.22 $\tilde{N}$=125
PR19, R=0.85 RMSE=0.74
RE=0.02 MAE=0.67 Bias=0.65 $\tilde{N}$=14
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Salinity Psu
0 5 10 15 20 25 30

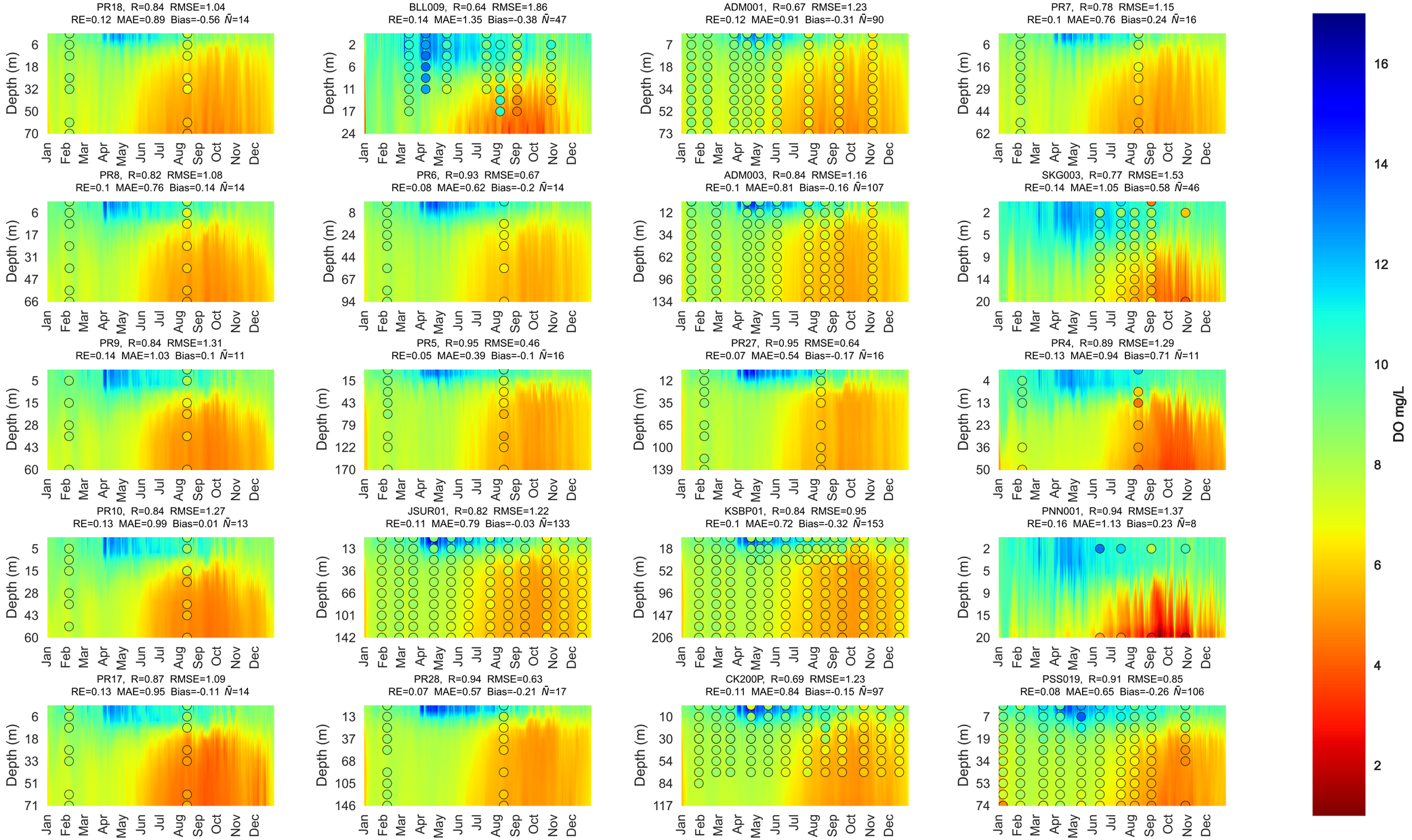

PR18, R=0.77 RMSE=0.67
RE=0.02 MAE=0.57 Bias=0.47 Ñ=14
BLL009, R=0.66 RMSE=2.14
RE=0.05 MAE=1.36 Bias=0.62 Ñ=47
ADM001, R=0.59 RMSE=1.06
RE=0.03 MAE=0.79 Bias=0.37 Ñ=97
PR7, R=0.83 RMSE=0.58
RE=0.01 MAE=0.4 Bias=0.07 Ñ=16
PR8, R=0.79 RMSE=0.49
RE=0.01 MAE=0.45 Bias=0.24 Ñ=14
PR6, R=0.9 RMSE=0.62
RE=0.02 MAE=0.56 Bias=0.5 Ñ=15
ADM003, R=0.86 RMSE=0.91
RE=0.02 MAE=0.69 Bias=0.34 Ñ=91
SKG003, R=0.84 RMSE=2.71
RE=0.08 MAE=2.12 Bias=1.11 Ñ=38
PR9, R=0.83 RMSE=0.61
RE=0.02 MAE=0.58 Bias=0.32 Ñ=11
PR5, R=0.78 RMSE=1.01
RE=0.03 MAE=0.8 Bias=0.34 Ñ=16
PR27, R=0.81 RMSE=0.54
RE=0.02 MAE=0.51 Bias=0.3 Ñ=16
PR4, R=0.98 RMSE=0.83
RE=0.03 MAE=0.74 Bias=0.71 Ñ=12
PR10, R=0.87 RMSE=0.57
RE=0.02 MAE=0.53 Bias=0.27 Ñ=13
JSUR01, R=0.79 RMSE=1.1
RE=0.03 MAE=0.77 Bias=0.15 Ñ=121
KSBP01, R=0.8 RMSE=0.96
RE=0.02 MAE=0.71 Bias=0.24 Ñ=141
PNN001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan Ñ=0
PR17, R=0.87 RMSE=0.64
RE=0.02 MAE=0.59 Bias=0.39 Ñ=14
PR28, R=0.71 RMSE=0.69
RE=0.02 MAE=0.63 Bias=0.32 Ñ=17
CK200P, R=0.73 RMSE=1.78
RE=0.04 MAE=1.07 Bias=-0.16 Ñ=85
PSS019, R=0.94 RMSE=1.09
RE=0.03 MAE=0.87 Bias=0.48 Ñ=105
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Salinity Psu
0 5 10 15 20 25 30

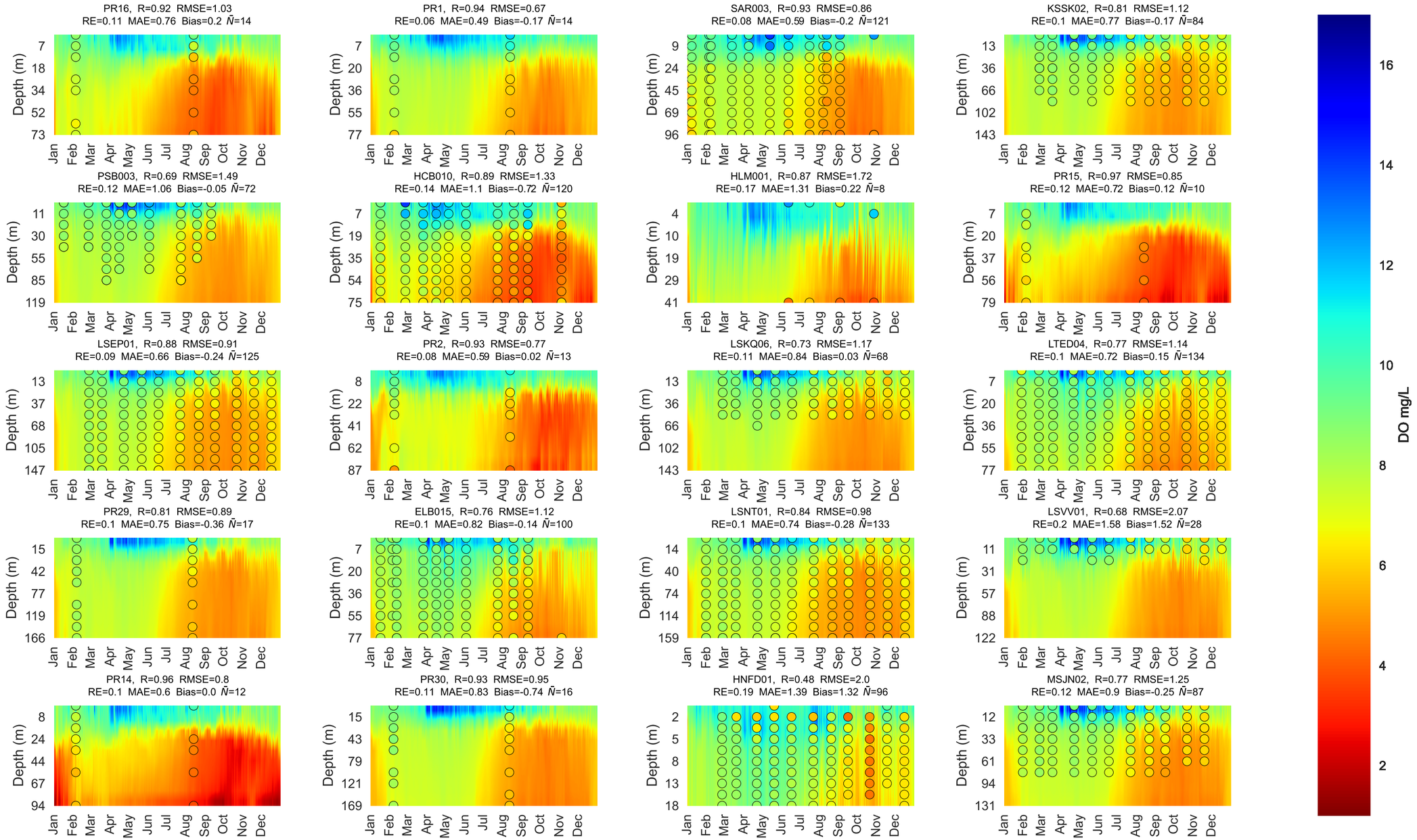

PR16, R=0.84 RMSE=0.64
RE=0.02 MAE=0.58 Bias=0.34 N̄=14
PR1, R=0.97 RMSE=0.73
RE=0.02 MAE=0.64 Bias=0.22 N̄=14
SAR003, R=0.93 RMSE=0.97
RE=0.03 MAE=0.77 Bias=0.66 N̄=108
KSSK02, R=0.77 RMSE=1.31
RE=0.03 MAE=0.87 Bias=0.01 N̄=73
PSB003, R=0.73 RMSE=1.46
RE=0.03 MAE=0.99 Bias=0.16 N̄=55
HCB010, R=0.93 RMSE=0.55
RE=0.02 MAE=0.49 Bias=0.44 N̄=100
HLM001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR15, R=0.96 RMSE=0.46
RE=0.01 MAE=0.4 Bias=0.35 N̄=14
LSEP01, R=0.73 RMSE=1.04
RE=0.02 MAE=0.67 Bias=0.18 N̄=114
PR2, R=0.97 RMSE=0.74
RE=0.02 MAE=0.67 Bias=0.25 N̄=14
LSKQ06, R=0.69 RMSE=1.23
RE=0.03 MAE=0.77 Bias=-0.12 N̄=57
LTED04, R=0.91 RMSE=2.95
RE=0.04 MAE=1.32 Bias=-0.35 N̄=121
PR29, R=0.64 RMSE=0.65
RE=0.02 MAE=0.56 Bias=0.38 N̄=17
ELB015, R=0.86 RMSE=2.76
RE=0.05 MAE=1.37 Bias=-0.23 N̄=98
LSNT01, R=0.75 RMSE=0.72
RE=0.02 MAE=0.58 Bias=0.28 N̄=121
LSVV01, R=0.7 RMSE=1.54
RE=0.04 MAE=1.09 Bias=-0.97 N̄=28
PR14, R=0.89 RMSE=0.53
RE=0.02 MAE=0.5 Bias=0.38 N̄=14
PR30, R=0.68 RMSE=0.78
RE=0.02 MAE=0.64 Bias=0.32 N̄=16
HNFD01, R=0.88 RMSE=3.67
RE=0.08 MAE=2.22 Bias=-1.69 N̄=96
MSJN02, R=0.69 RMSE=0.95
RE=0.02 MAE=0.71 Bias=0.2 N̄=76
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Salinity Psu
0 5 10 15 20 25 30

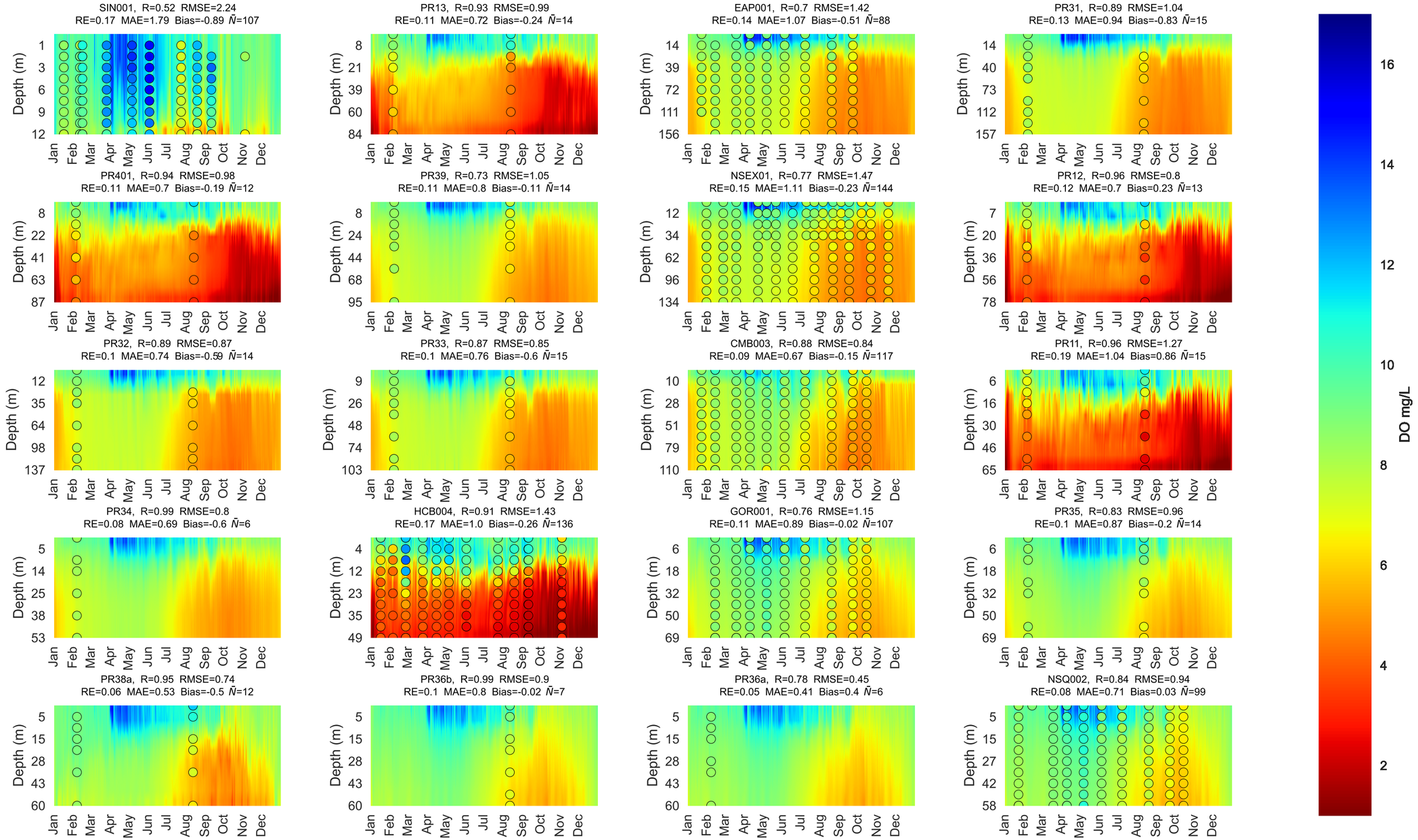

SIN001, R=0.71 RMSE=0.68
RE=0.02 MAE=0.54 Bias=-0.18 N̄=88
PR13, R=0.85 RMSE=0.64
RE=0.02 MAE=0.56 Bias=0.41 N̄=14
EAP001, R=0.6 RMSE=0.95
RE=0.02 MAE=0.73 Bias=0.26 N̄=91
PR31, R=0.79 RMSE=0.77
RE=0.02 MAE=0.66 Bias=0.34 N̄=17
PR401, R=0.77 RMSE=0.88
RE=0.02 MAE=0.6 Bias=0.51 N̄=14
PR39, R=0.58 RMSE=0.55
RE=0.02 MAE=0.47 Bias=0.35 N̄=14
NSEX01, R=0.77 RMSE=1.17
RE=0.03 MAE=0.84 Bias=0.06 N̄=133
PR12, R=0.89 RMSE=0.56
RE=0.02 MAE=0.5 Bias=0.32 N̄=14
PR32, R=0.86 RMSE=1.1
RE=0.03 MAE=0.85 Bias=0.14 N̄=16
PR33, R=0.92 RMSE=1.13
RE=0.03 MAE=0.85 Bias=0.12 N̄=16
CMB003, R=0.84 RMSE=2.29
RE=0.04 MAE=1.25 Bias=-0.03 N̄=108
PR11, R=0.94 RMSE=0.8
RE=0.02 MAE=0.57 Bias=-0.09 N̄=15
PR34, R=0.98 RMSE=0.56
RE=0.02 MAE=0.5 Bias=0.5 N̄=6
HCB004, R=0.88 RMSE=1.23
RE=0.03 MAE=0.84 Bias=0.62 N̄=119
GOR001, R=0.63 RMSE=0.69
RE=0.02 MAE=0.51 Bias=0.15 N̄=92
PR35, R=0.62 RMSE=0.61
RE=0.02 MAE=0.55 Bias=0.17 N̄=14
PR38a, R=0.46 RMSE=0.42
RE=0.01 MAE=0.37 Bias=0.35 N̄=12
PR36b, R=0.99 RMSE=0.3
RE=0.01 MAE=0.28 Bias=0.28 N̄=7
PR36a, R=0.87 RMSE=0.48
RE=0.02 MAE=0.47 Bias=0.47 N̄=6
NSQ002, R=0.77 RMSE=0.4
RE=0.01 MAE=0.35 Bias=0.29 N̄=90
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Salinity Psu
0 5 10 15 20 25 30

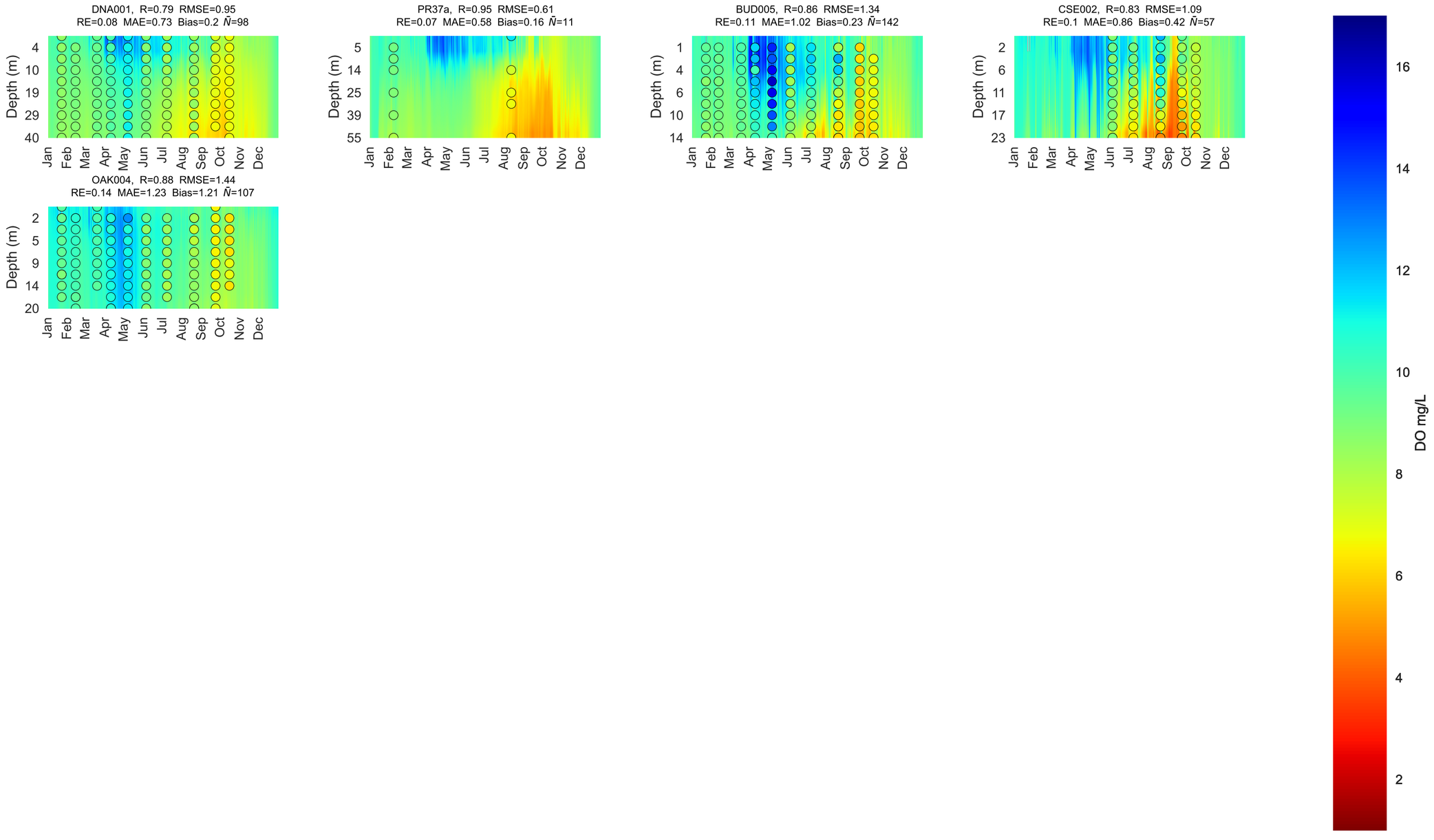

DNA001, R=0.71 RMSE=0.45
RE=0.01 MAE=0.34 Bias=0.23 N̄=98
PR37a, R=0.98 RMSE=0.37
RE=0.01 MAE=0.34 Bias=0.34 N̄=12
BUD005, R=0.83 RMSE=0.71
RE=0.02 MAE=0.5 Bias=0.27 N̄=125
CSE002, R=0.9 RMSE=0.37
RE=0.01 MAE=0.31 Bias=0.21 N̄=48
OAK004, R=0.88 RMSE=1.61
RE=0.05 MAE=1.28 Bias=1.18 N̄=87
Depth (m)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Salinity PSU
0
5
10
15
20
25
30

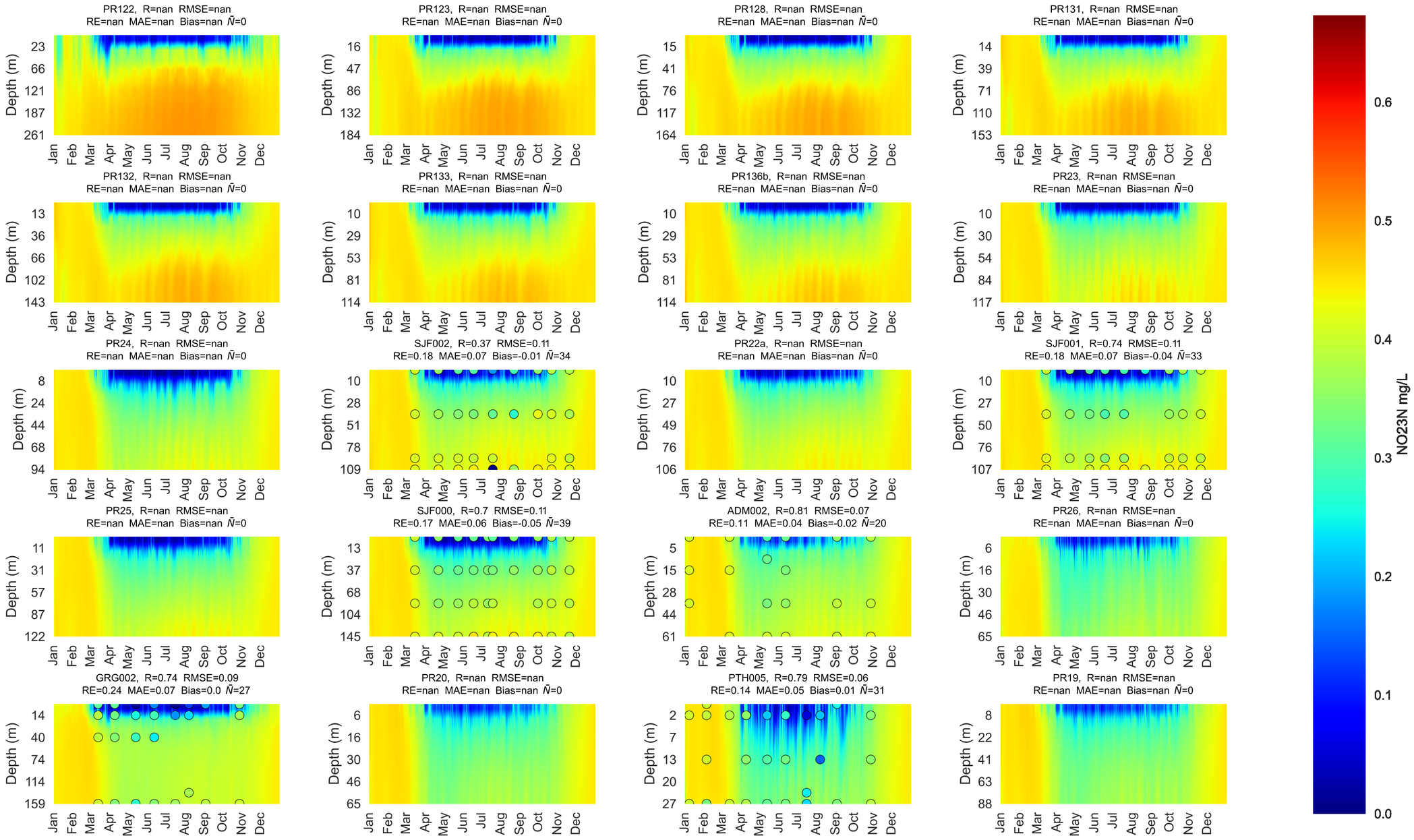

PR122, R=0.92 RMSE=1.66
RE=0.28 MAE=0.92 Bias=0.88 N̄=9
PR123, R=0.83 RMSE=1.62
RE=0.33 MAE=1.32 Bias=0.54 N̄=7
PR128, R=0.77 RMSE=1.89
RE=0.27 MAE=1.14 Bias=0.6 N̄=8
PR131, R=0.82 RMSE=1.41
RE=0.22 MAE=0.96 Bias=0.24 N̄=8
PR132, R=0.81 RMSE=2.14
RE=0.31 MAE=1.43 Bias=0.97 N̄=9
PR133, R=0.73 RMSE=2.11
RE=0.28 MAE=1.12 Bias=1.02 N̄=7
PR136b, R=0.76 RMSE=1.4
RE=0.23 MAE=1.17 Bias=-0.23 N̄=7
PR23, R=0.84 RMSE=1.15
RE=0.13 MAE=0.81 Bias=-0.06 N̄=14
PR24, R=0.69 RMSE=1.59
RE=0.17 MAE=1.12 Bias=0.23 N̄=15
SJF002, R=0.76 RMSE=1.14
RE=0.14 MAE=0.78 Bias=0.14 N̄=90
PR22a, R=0.71 RMSE=1.65
RE=0.17 MAE=1.08 Bias=0.21 N̄=15
SJF001, R=0.69 RMSE=1.44
RE=0.17 MAE=1.05 Bias=0.01 N̄=91
PR25, R=0.63 RMSE=1.84
RE=0.18 MAE=1.21 Bias=0.24 N̄=13
SJF000, R=0.67 RMSE=1.41
RE=0.16 MAE=0.91 Bias=0.32 N̄=100
ADM002, R=0.76 RMSE=1.12
RE=0.13 MAE=0.88 Bias=-0.42 N̄=82
PR26, R=0.69 RMSE=1.66
RE=0.14 MAE=0.94 Bias=0.61 N̄=13
GRG002, R=0.87 RMSE=1.22
RE=0.15 MAE=1.05 Bias=-0.76 N̄=93
PR20, R=0.55 RMSE=1.41
RE=0.15 MAE=1.07 Bias=-0.32 N̄=12
PTH005, R=0.74 RMSE=1.37
RE=0.13 MAE=1.1 Bias=-1.07 N̄=132
PR19, R=0.95 RMSE=1.01
RE=0.12 MAE=0.9 Bias=-0.82 N̄=14
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
DO mg/L
16
14
12
10
8
6
4
2

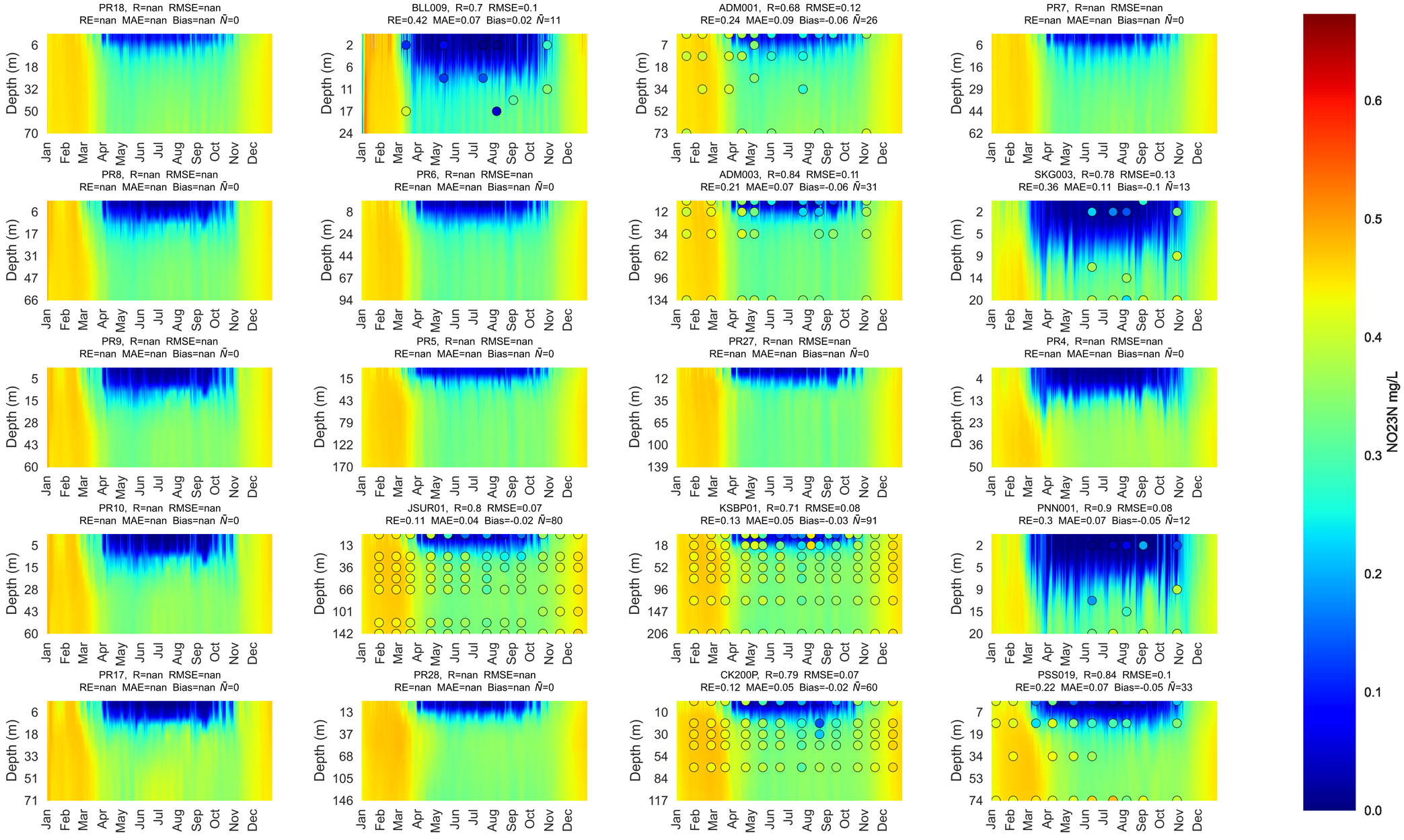

PR18, R=0.84 RMSE=1.04
RE=0.12 MAE=0.89 Bias=-0.56 N̄=14
BLL009, R=0.64 RMSE=1.86
RE=0.14 MAE=1.35 Bias=-0.38 N̄=47
ADM001, R=0.67 RMSE=1.23
RE=0.12 MAE=0.91 Bias=-0.31 N̄=90
PR7, R=0.78 RMSE=1.15
RE=0.1 MAE=0.76 Bias=0.24 N̄=16
PR8, R=0.82 RMSE=1.08
RE=0.1 MAE=0.76 Bias=0.14 N̄=14
PR6, R=0.93 RMSE=0.67
RE=0.08 MAE=0.62 Bias=-0.2 N̄=14
ADM003, R=0.84 RMSE=1.16
RE=0.1 MAE=0.81 Bias=-0.16 N̄=107
SKG003, R=0.77 RMSE=1.53
RE=0.14 MAE=1.05 Bias=0.58 N̄=46
PR9, R=0.84 RMSE=1.31
RE=0.14 MAE=1.03 Bias=0.1 N̄=11
PR5, R=0.95 RMSE=0.46
RE=0.05 MAE=0.39 Bias=-0.1 N̄=16
PR27, R=0.95 RMSE=0.64
RE=0.07 MAE=0.54 Bias=-0.17 N̄=16
PR4, R=0.89 RMSE=1.29
RE=0.13 MAE=0.94 Bias=0.71 N̄=11
PR10, R=0.84 RMSE=1.27
RE=0.13 MAE=0.99 Bias=0.01 N̄=13
JSUR01, R=0.82 RMSE=1.22
RE=0.11 MAE=0.79 Bias=-0.03 N̄=133
KSBP01, R=0.84 RMSE=0.95
RE=0.1 MAE=0.72 Bias=-0.32 N̄=153
PNN001, R=0.94 RMSE=1.37
RE=0.16 MAE=1.13 Bias=0.23 N̄=8
PR17, R=0.87 RMSE=1.09
RE=0.13 MAE=0.95 Bias=-0.11 N̄=14
PR28, R=0.94 RMSE=0.63
RE=0.07 MAE=0.57 Bias=-0.21 N̄=17
CK200P, R=0.69 RMSE=1.23
RE=0.11 MAE=0.84 Bias=-0.15 N̄=97
PSS019, R=0.91 RMSE=0.85
RE=0.08 MAE=0.65 Bias=-0.26 N̄=106
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
DO mg/L
16
14
12
10
8
6
4
2

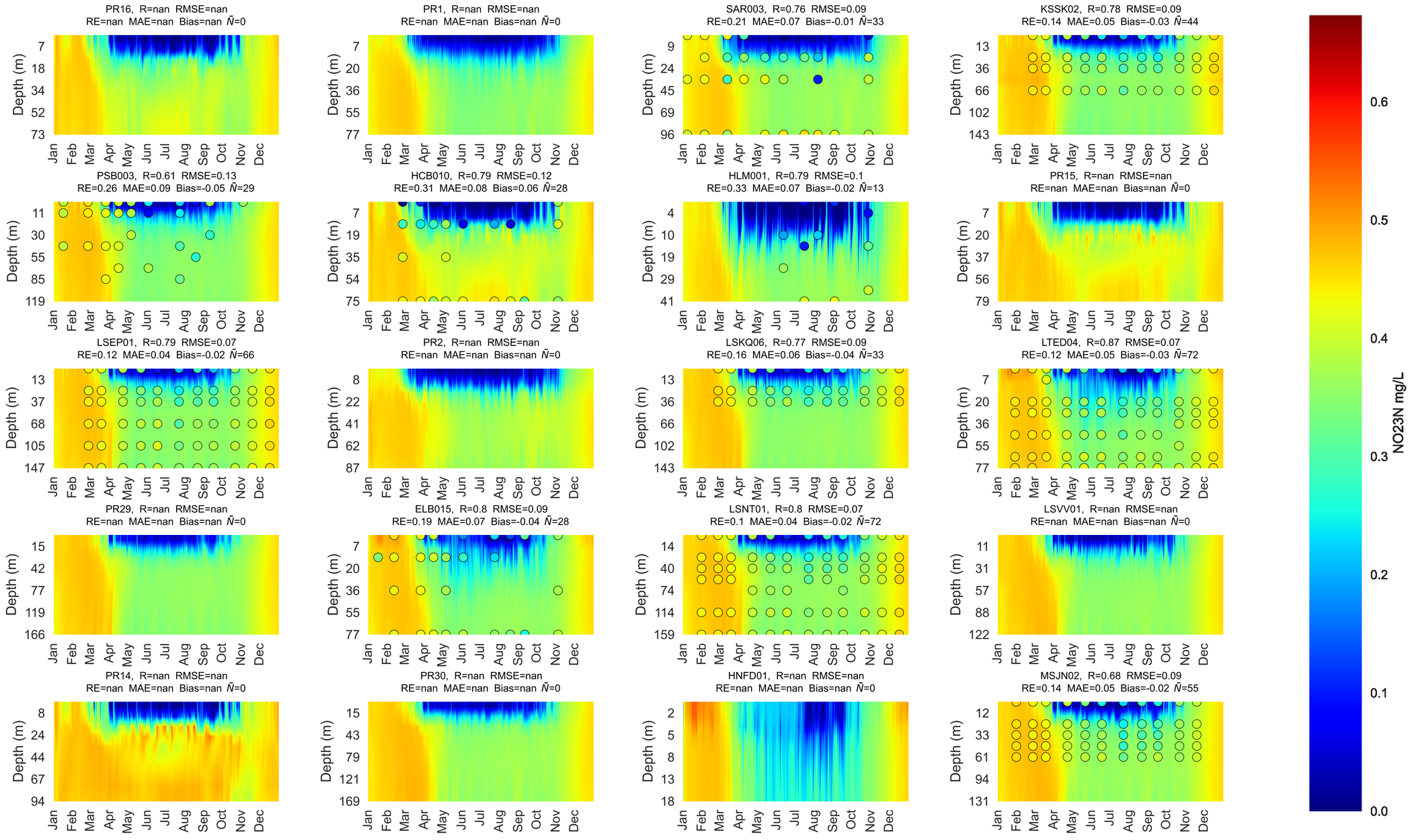

PR16, R=0.92 RMSE=1.03
RE=0.11 MAE=0.76 Bias=0.2 N̄=14
PR1, R=0.94 RMSE=0.67
RE=0.06 MAE=0.49 Bias=-0.17 N̄=14
SAR003, R=0.93 RMSE=0.86
RE=0.08 MAE=0.59 Bias=-0.2 N̄=121
KSSK02, R=0.81 RMSE=1.12
RE=0.1 MAE=0.77 Bias=-0.17 N̄=84
PSB003, R=0.69 RMSE=1.49
RE=0.12 MAE=1.06 Bias=-0.05 N̄=72
HCB010, R=0.89 RMSE=1.33
RE=0.14 MAE=1.1 Bias=-0.72 N̄=120
HLM001, R=0.87 RMSE=1.72
RE=0.17 MAE=1.31 Bias=0.22 N̄=8
PR15, R=0.97 RMSE=0.85
RE=0.12 MAE=0.72 Bias=0.12 N̄=10
LSEP01, R=0.88 RMSE=0.91
RE=0.09 MAE=0.66 Bias=-0.24 N̄=125
PR2, R=0.93 RMSE=0.77
RE=0.08 MAE=0.59 Bias=0.02 N̄=13
LSKQ06, R=0.73 RMSE=1.17
RE=0.11 MAE=0.84 Bias=0.03 N̄=68
LTED04, R=0.77 RMSE=1.14
RE=0.1 MAE=0.72 Bias=0.15 N̄=134
PR29, R=0.81 RMSE=0.89
RE=0.1 MAE=0.75 Bias=-0.36 N̄=17
ELB015, R=0.76 RMSE=1.12
RE=0.1 MAE=0.82 Bias=-0.14 N̄=100
LSNT01, R=0.84 RMSE=0.98
RE=0.1 MAE=0.74 Bias=-0.28 N̄=133
LSVV01, R=0.68 RMSE=2.07
RE=0.2 MAE=1.58 Bias=1.52 N̄=28
PR14, R=0.96 RMSE=0.8
RE=0.1 MAE=0.6 Bias=0.0 N̄=12
PR30, R=0.93 RMSE=0.95
RE=0.11 MAE=0.83 Bias=-0.74 N̄=16
HNFD01, R=0.48 RMSE=2.0
RE=0.19 MAE=1.39 Bias=1.32 N̄=96
MSJN02, R=0.77 RMSE=1.25
RE=0.12 MAE=0.9 Bias=-0.25 N̄=87
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
DO mg/L
16 14 12 10 8 6 4 2

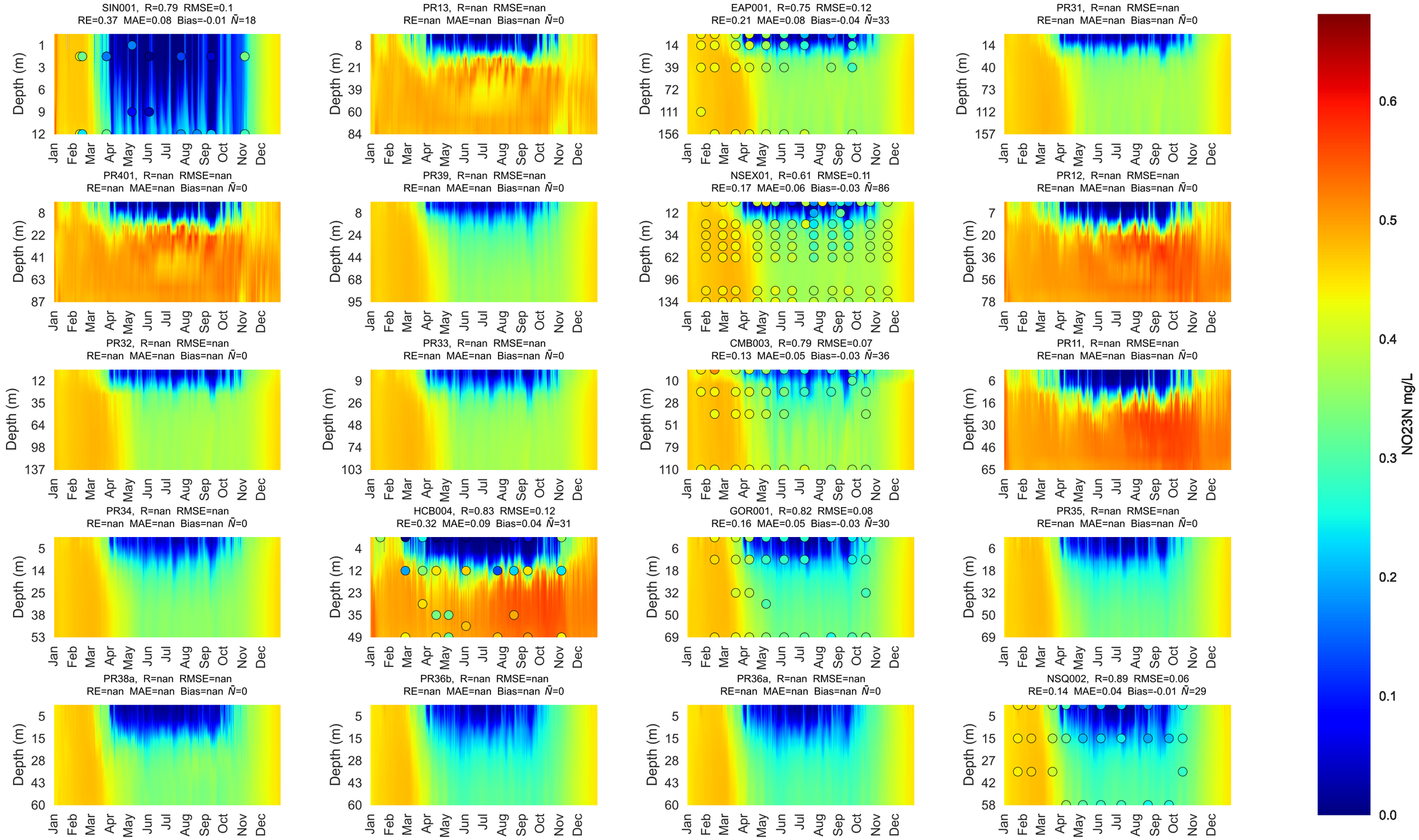

SIN001, R=0.52 RMSE=2.24
RE=0.17 MAE=1.79 Bias=-0.89 N̄=107
PR13, R=0.93 RMSE=0.99
RE=0.11 MAE=0.72 Bias=-0.24 N̄=14
EAP001, R=0.7 RMSE=1.42
RE=0.14 MAE=1.07 Bias=-0.51 N̄=88
PR31, R=0.89 RMSE=1.04
RE=0.13 MAE=0.94 Bias=-0.83 N̄=15
PR401, R=0.94 RMSE=0.98
RE=0.11 MAE=0.7 Bias=-0.19 N̄=12
PR39, R=0.73 RMSE=1.05
RE=0.11 MAE=0.8 Bias=-0.11 N̄=14
NSEX01, R=0.77 RMSE=1.47
RE=0.15 MAE=1.11 Bias=-0.23 N̄=144
PR12, R=0.96 RMSE=0.8
RE=0.12 MAE=0.7 Bias=0.23 N̄=13
PR32, R=0.89 RMSE=0.87
RE=0.1 MAE=0.74 Bias=-0.59 N̄=14
PR33, R=0.87 RMSE=0.85
RE=0.1 MAE=0.76 Bias=-0.6 N̄=15
CMB003, R=0.88 RMSE=0.84
RE=0.09 MAE=0.67 Bias=-0.15 N̄=117
PR11, R=0.96 RMSE=1.27
RE=0.19 MAE=1.04 Bias=0.86 N̄=15
PR34, R=0.99 RMSE=0.8
RE=0.08 MAE=0.69 Bias=-0.6 N̄=6
HCB004, R=0.91 RMSE=1.43
RE=0.17 MAE=1.0 Bias=-0.26 N̄=136
GOR001, R=0.76 RMSE=1.15
RE=0.11 MAE=0.89 Bias=-0.02 N̄=107
PR35, R=0.83 RMSE=0.96
RE=0.1 MAE=0.87 Bias=-0.2 N̄=14
PR38a, R=0.95 RMSE=0.74
RE=0.06 MAE=0.53 Bias=-0.5 N̄=12
PR36b, R=0.99 RMSE=0.9
RE=0.1 MAE=0.8 Bias=-0.02 N̄=7
PR36a, R=0.78 RMSE=0.45
RE=0.05 MAE=0.41 Bias=0.4 N̄=6
NSQ002, R=0.84 RMSE=0.94
RE=0.08 MAE=0.71 Bias=0.03 N̄=99
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
DO mg/L
16 14 12 10 8 6 4 2

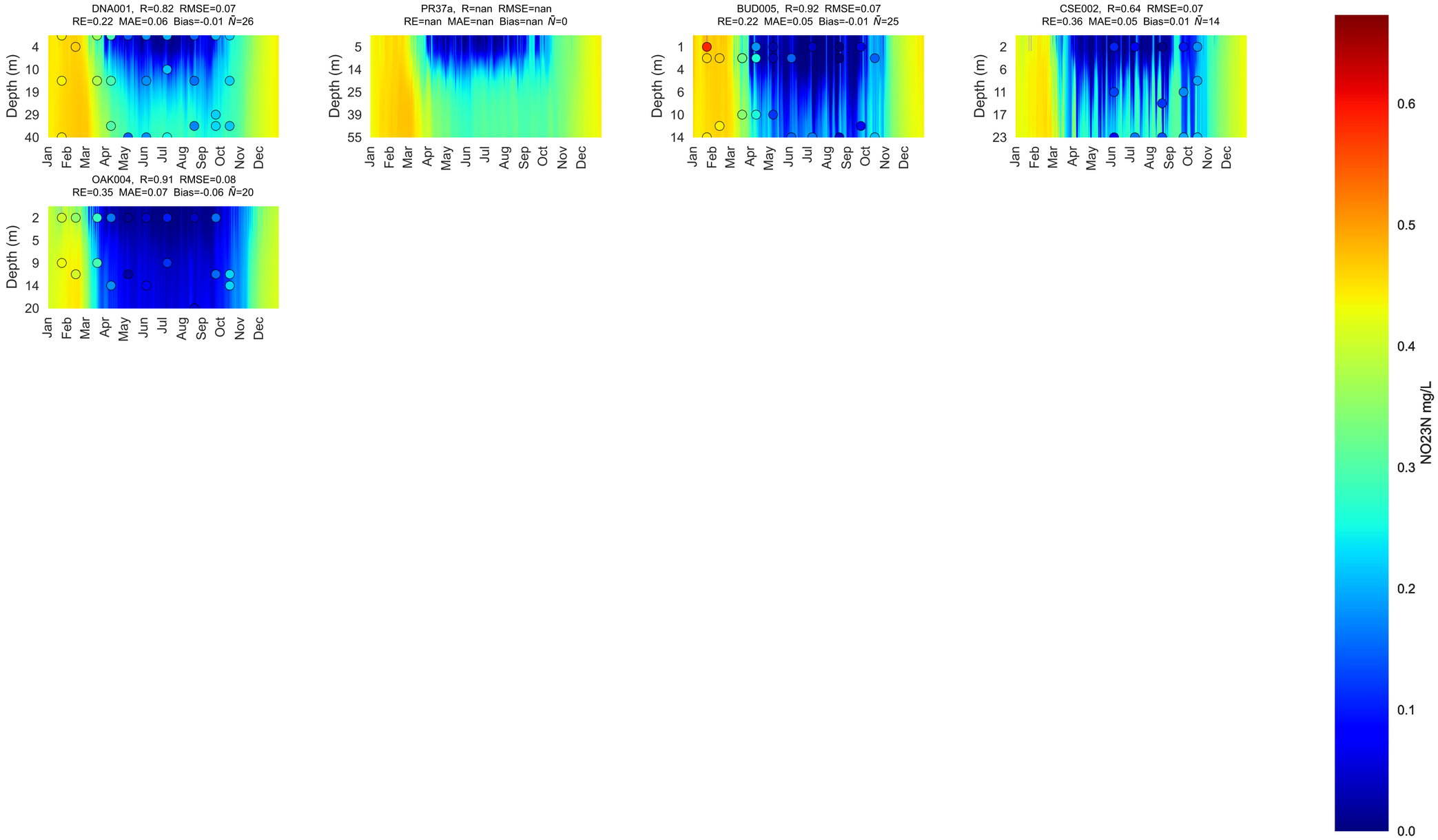

DNA001, R=0.79 RMSE=0.95
RE=0.08 MAE=0.73 Bias=0.2 N̄=98
PR37a, R=0.95 RMSE=0.61
RE=0.07 MAE=0.58 Bias=0.16 N̄=11
BUD005, R=0.86 RMSE=1.34
RE=0.11 MAE=1.02 Bias=0.23 N̄=142
CSE002, R=0.83 RMSE=1.09
RE=0.1 MAE=0.86 Bias=0.42 N̄=57
OAK004, R=0.88 RMSE=1.44
RE=0.14 MAE=1.23 Bias=1.21 N̄=107
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
DO mg/L
16 14 12 10 8 6 4 2

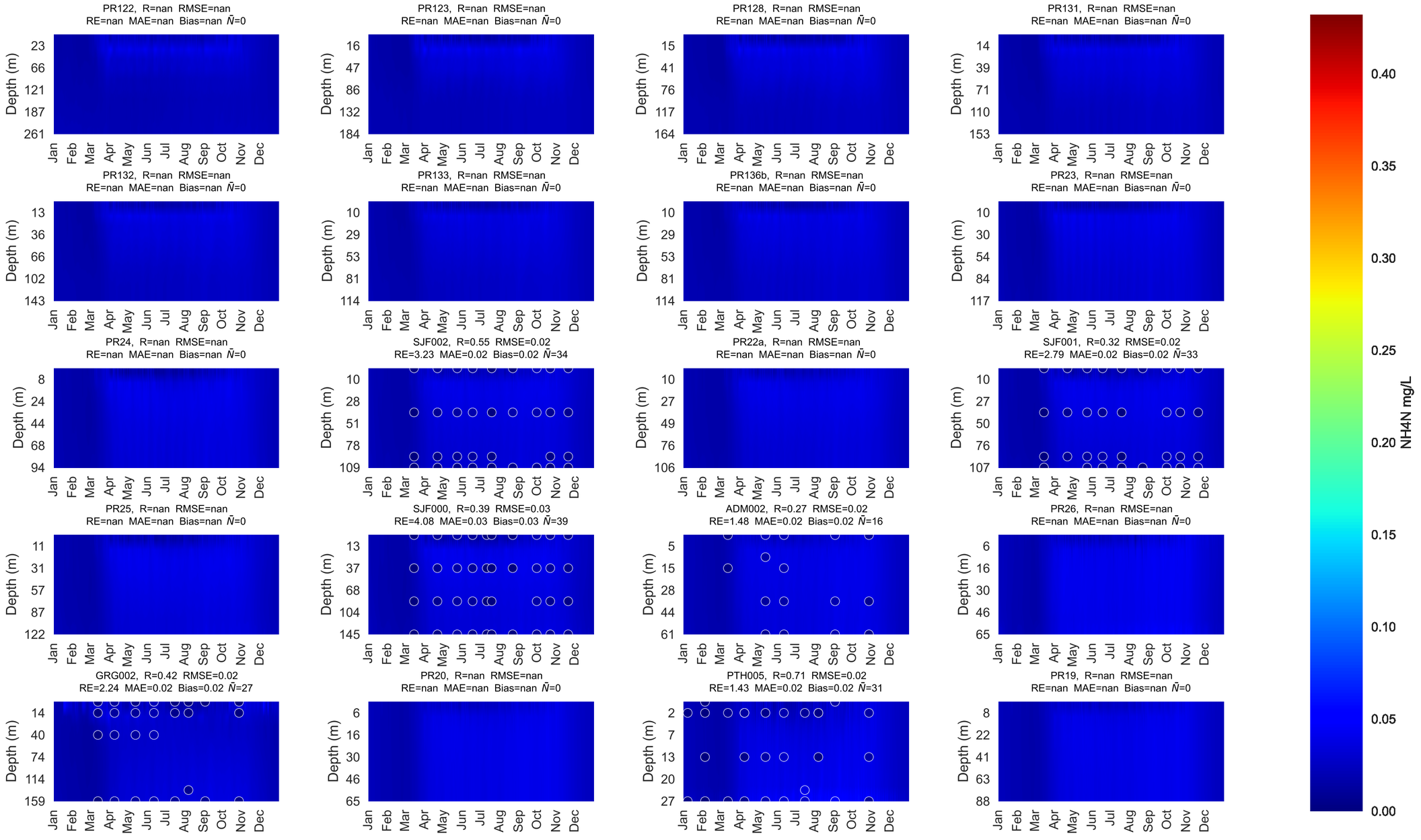

PR122, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR123, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR128, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR131, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR132, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR133, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR136b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR23, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR24, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF002, R=0.37 RMSE=0.11
RE=0.18 MAE=0.07 Bias=-0.01 N̄=34
PR22a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF001, R=0.74 RMSE=0.11
RE=0.18 MAE=0.07 Bias=-0.04 N̄=33
PR25, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF000, R=0.7 RMSE=0.11
RE=0.17 MAE=0.06 Bias=-0.05 N̄=39
ADM002, R=0.81 RMSE=0.07
RE=0.11 MAE=0.04 Bias=-0.02 N̄=20
PR26, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
GRG002, R=0.74 RMSE=0.09
RE=0.24 MAE=0.07 Bias=0.0 N̄=27
PR20, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PTH005, R=0.79 RMSE=0.06
RE=0.14 MAE=0.05 Bias=0.01 N̄=31
PR19, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
mg/L
NO23N
0.0 0.1 0.2 0.3 0.4 0.5 0.6

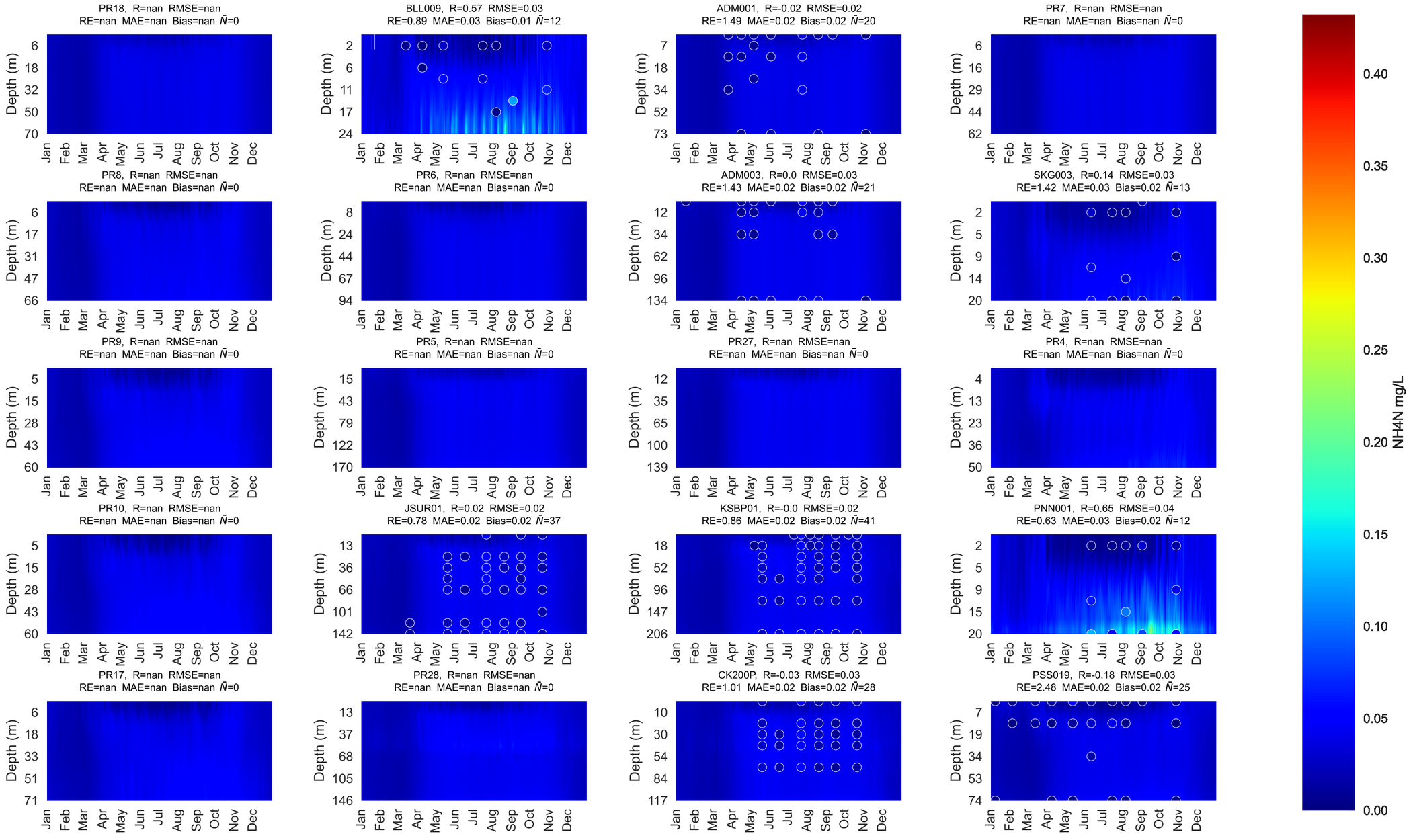

PR18, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
BLL009, R=0.7 RMSE=0.1
RE=0.42 MAE=0.07 Bias=0.02 N̄=11
ADM001, R=0.68 RMSE=0.12
RE=0.24 MAE=0.09 Bias=-0.06 N̄=26
PR7, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR8, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR6, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ADM003, R=0.84 RMSE=0.11
RE=0.21 MAE=0.07 Bias=-0.06 N̄=31
SKG003, R=0.78 RMSE=0.13
RE=0.36 MAE=0.11 Bias=-0.1 N̄=13
PR9, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR5, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR27, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR4, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR10, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
JSUR01, R=0.8 RMSE=0.07
RE=0.11 MAE=0.04 Bias=-0.02 N̄=80
KSBP01, R=0.71 RMSE=0.08
RE=0.13 MAE=0.05 Bias=-0.03 N̄=91
PNN001, R=0.9 RMSE=0.08
RE=0.3 MAE=0.07 Bias=-0.05 N̄=12
PR17, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR28, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CK200P, R=0.79 RMSE=0.07
RE=0.12 MAE=0.05 Bias=-0.02 N̄=60
PSS019, R=0.84 RMSE=0.1
RE=0.22 MAE=0.07 Bias=-0.05 N̄=33
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
NO23N mg/L
0.0 0.1 0.2 0.3 0.4 0.5 0.6

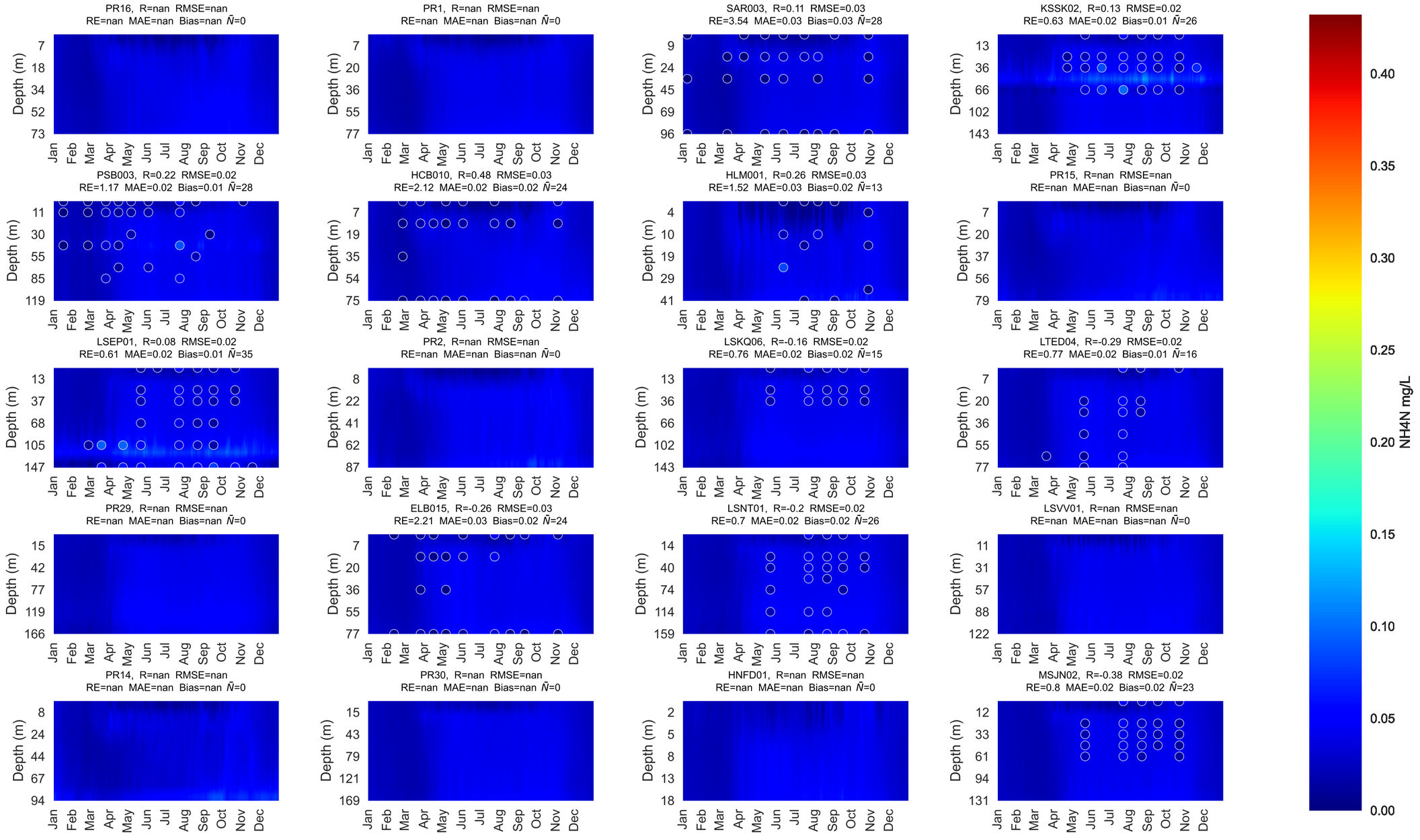

PR16, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR1, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SAR003, R=0.76 RMSE=0.09
RE=0.21 MAE=0.07 Bias=-0.01 N̄=33
KSSK02, R=0.78 RMSE=0.09
RE=0.14 MAE=0.05 Bias=-0.03 N̄=44
PSB003, R=0.61 RMSE=0.13
RE=0.26 MAE=0.09 Bias=-0.05 N̄=29
HCB010, R=0.79 RMSE=0.12
RE=0.31 MAE=0.08 Bias=0.06 N̄=28
HLM001, R=0.79 RMSE=0.1
RE=0.33 MAE=0.07 Bias=-0.02 N̄=13
PR15, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSEP01, R=0.79 RMSE=0.07
RE=0.12 MAE=0.04 Bias=-0.02 N̄=66
PR2, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSKQ06, R=0.77 RMSE=0.09
RE=0.16 MAE=0.06 Bias=-0.04 N̄=33
LTED04, R=0.87 RMSE=0.07
RE=0.12 MAE=0.05 Bias=-0.03 N̄=72
PR29, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ELB015, R=0.8 RMSE=0.09
RE=0.19 MAE=0.07 Bias=-0.04 N̄=28
LSNT01, R=0.8 RMSE=0.07
RE=0.1 MAE=0.04 Bias=-0.02 N̄=72
LSVV01, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR14, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR30, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HNFD01, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
MSJN02, R=0.68 RMSE=0.09
RE=0.14 MAE=0.05 Bias=-0.02 N̄=55
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
0.6
0.5
0.4
0.3
0.2
0.1
0.0
NO23N mg/L

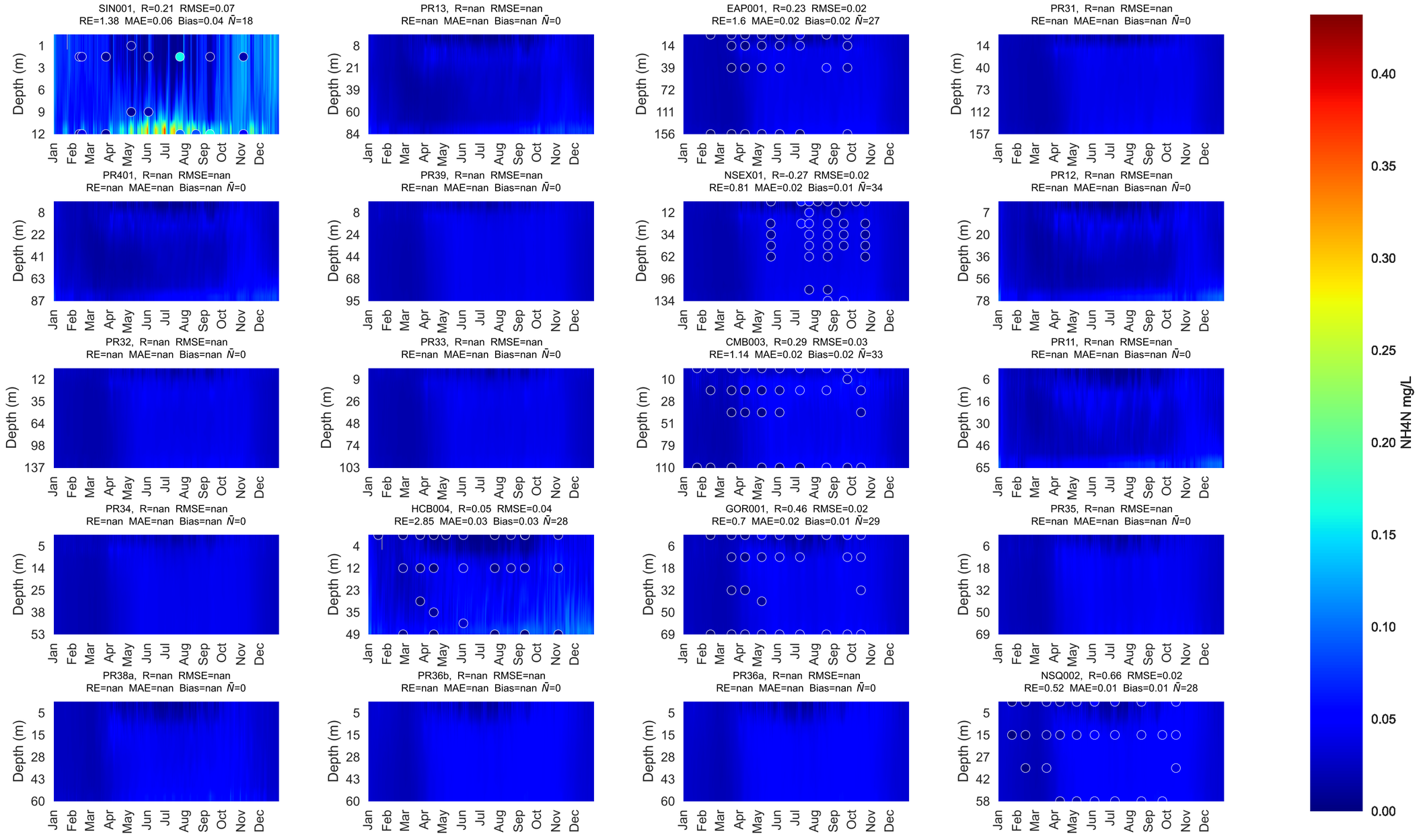

SIN001, R=0.79 RMSE=0.1
RE=0.37 MAE=0.08 Bias=-0.01 N̄=18
PR13, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
EAP001, R=0.75 RMSE=0.12
RE=0.21 MAE=0.08 Bias=-0.04 N̄=33
PR31, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR401, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR39, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
NSEX01, R=0.61 RMSE=0.11
RE=0.17 MAE=0.06 Bias=-0.03 N̄=86
PR12, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR32, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR33, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CMB003, R=0.79 RMSE=0.07
RE=0.13 MAE=0.05 Bias=-0.03 N̄=36
PR11, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR34, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HCB004, R=0.83 RMSE=0.12
RE=0.32 MAE=0.09 Bias=0.04 N̄=31
GOR001, R=0.82 RMSE=0.08
RE=0.16 MAE=0.05 Bias=-0.03 N̄=30
PR35, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR38a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR36b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR36a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
NSQ002, R=0.89 RMSE=0.06
RE=0.14 MAE=0.04 Bias=-0.01 N̄=29
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
NO23N mg/L
0.0 0.1 0.2 0.3 0.4 0.5 0.6

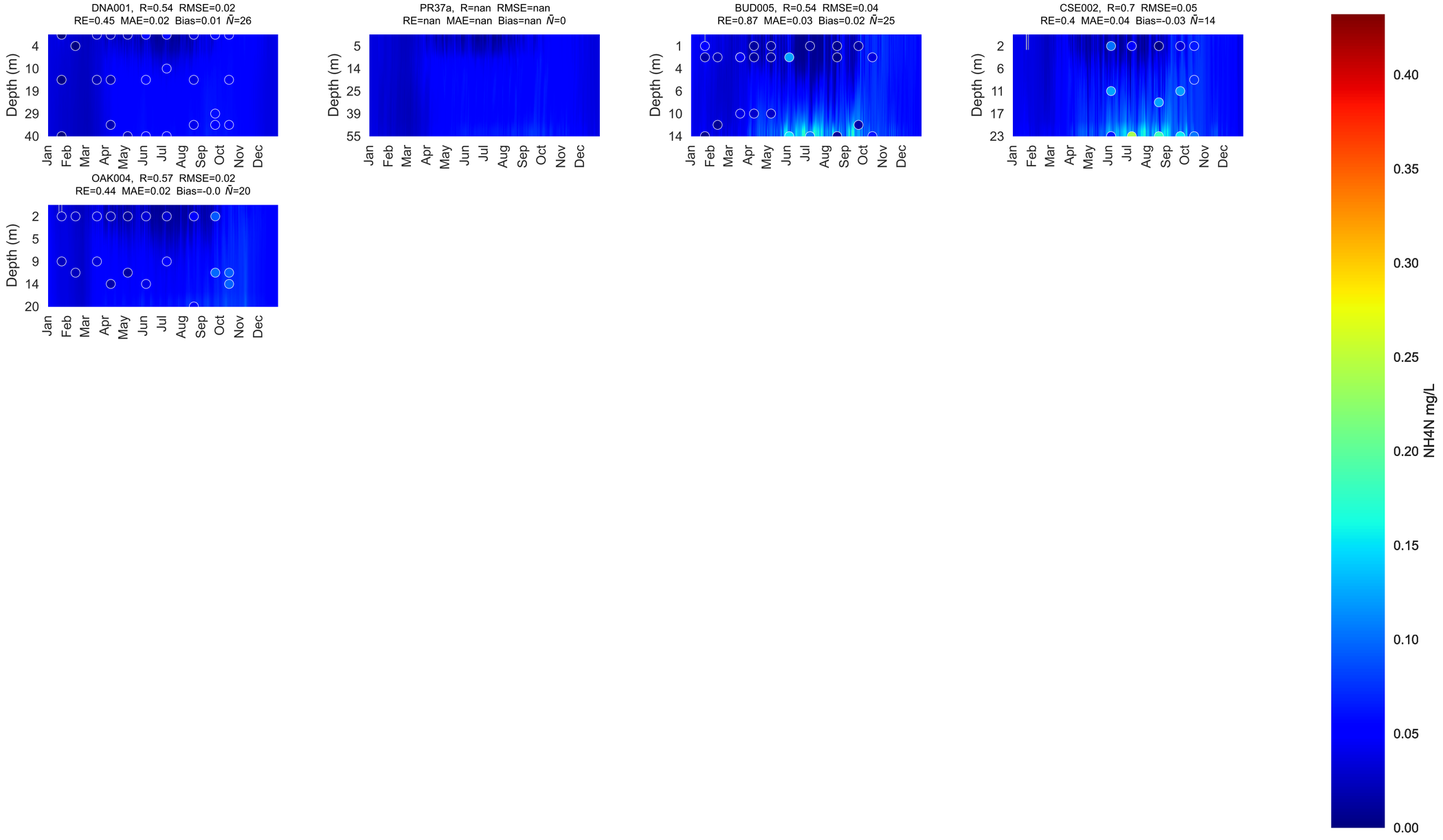

DNA001, R=0.82 RMSE=0.07
RE=0.22 MAE=0.06 Bias=-0.01 N̄=26
PR37a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
BUD005, R=0.92 RMSE=0.07
RE=0.22 MAE=0.05 Bias=-0.01 N̄=25
CSE002, R=0.64 RMSE=0.07
RE=0.36 MAE=0.05 Bias=0.01 N̄=14
OAK004, R=0.91 RMSE=0.08
RE=0.35 MAE=0.07 Bias=-0.06 N̄=20
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
NO23N mg/L
0.0 0.1 0.2 0.3 0.4 0.5 0.6

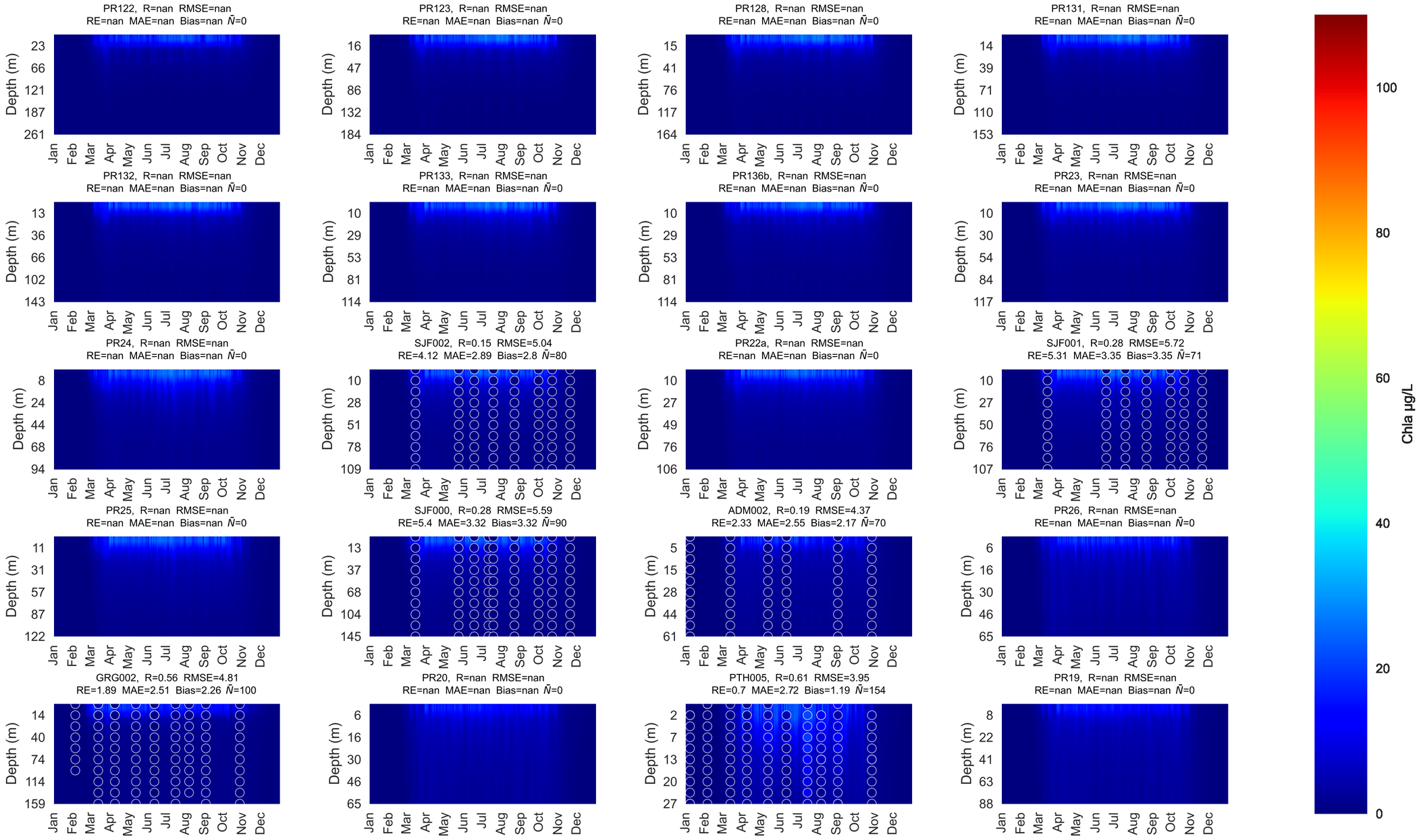

PR122, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR123, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR128, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR131, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR132, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR133, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR136b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR23, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR24, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF002, R=0.55 RMSE=0.02
RE=3.23 MAE=0.02 Bias=0.02 N̄=34
PR22a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF001, R=0.32 RMSE=0.02
RE=2.79 MAE=0.02 Bias=0.02 N̄=33
PR25, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF000, R=0.39 RMSE=0.03
RE=4.08 MAE=0.03 Bias=0.03 N̄=39
ADM002, R=0.27 RMSE=0.02
RE=1.48 MAE=0.02 Bias=0.02 N̄=16
PR26, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
GRG002, R=0.42 RMSE=0.02
RE=2.24 MAE=0.02 Bias=0.02 N̄=27
PR20, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PTH005, R=0.71 RMSE=0.02
RE=1.43 MAE=0.02 Bias=0.02 N̄=31
PR19, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
NH4N mg/L

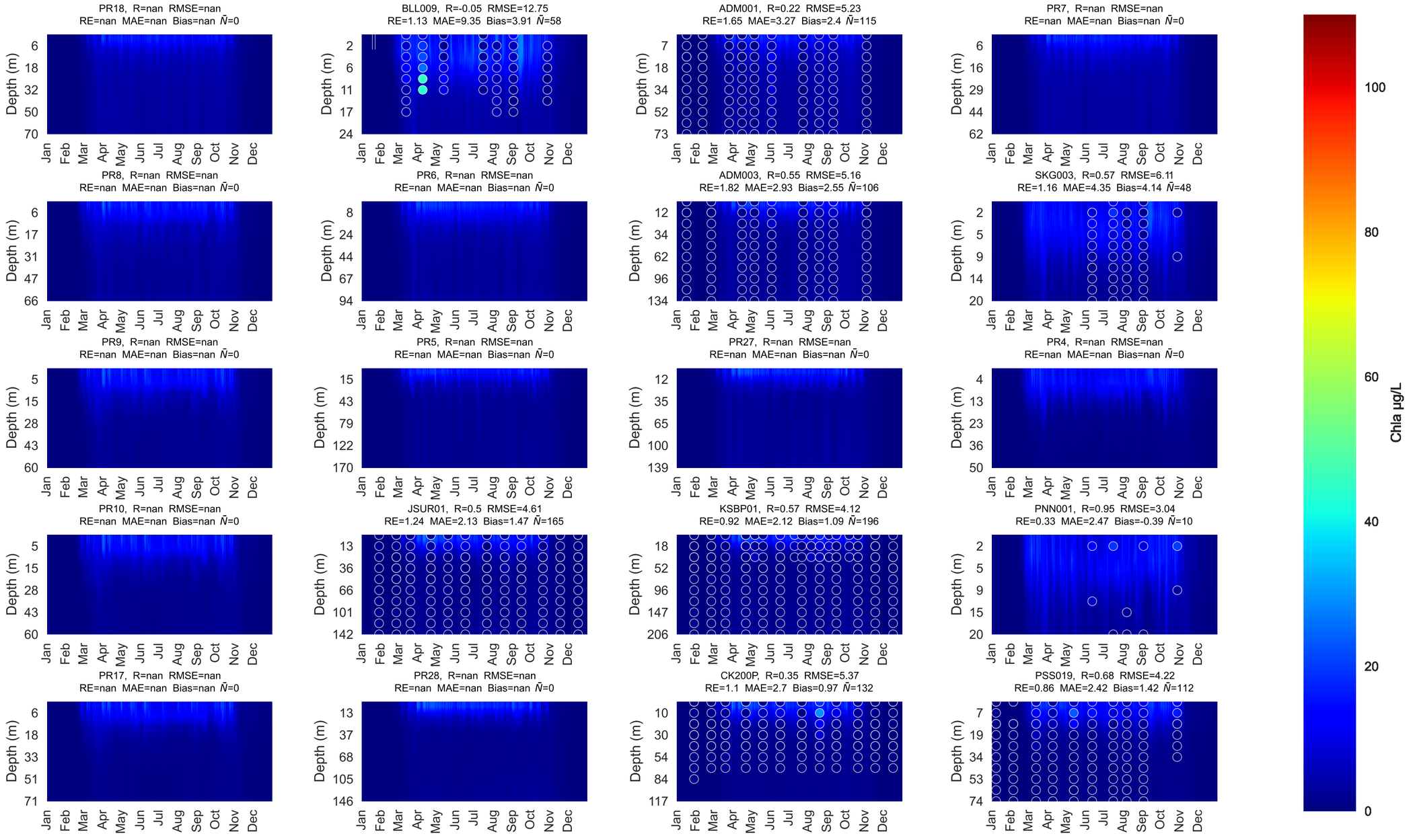

PR18, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
BLL009, R=0.57 RMSE=0.03
RE=0.89 MAE=0.03 Bias=0.01 N̄=12
ADM001, R=-0.02 RMSE=0.02
RE=1.49 MAE=0.02 Bias=0.02 N̄=20
PR7, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR8, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR6, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ADM003, R=0.0 RMSE=0.03
RE=1.43 MAE=0.02 Bias=0.02 N̄=21
SKG003, R=0.14 RMSE=0.03
RE=1.42 MAE=0.03 Bias=0.02 N̄=13
PR9, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR5, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR27, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR4, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR10, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
JSUR01, R=0.02 RMSE=0.02
RE=0.78 MAE=0.02 Bias=0.02 N̄=37
KSBP01, R=-0.0 RMSE=0.02
RE=0.86 MAE=0.02 Bias=0.02 N̄=41
PNN001, R=0.65 RMSE=0.04
RE=0.63 MAE=0.03 Bias=0.02 N̄=12
PR17, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR28, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CK200P, R=-0.03 RMSE=0.03
RE=1.01 MAE=0.02 Bias=0.02 N̄=28
PSS019, R=-0.18 RMSE=0.03
RE=2.48 MAE=0.02 Bias=0.02 N̄=25
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
NH4N mg/L
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40

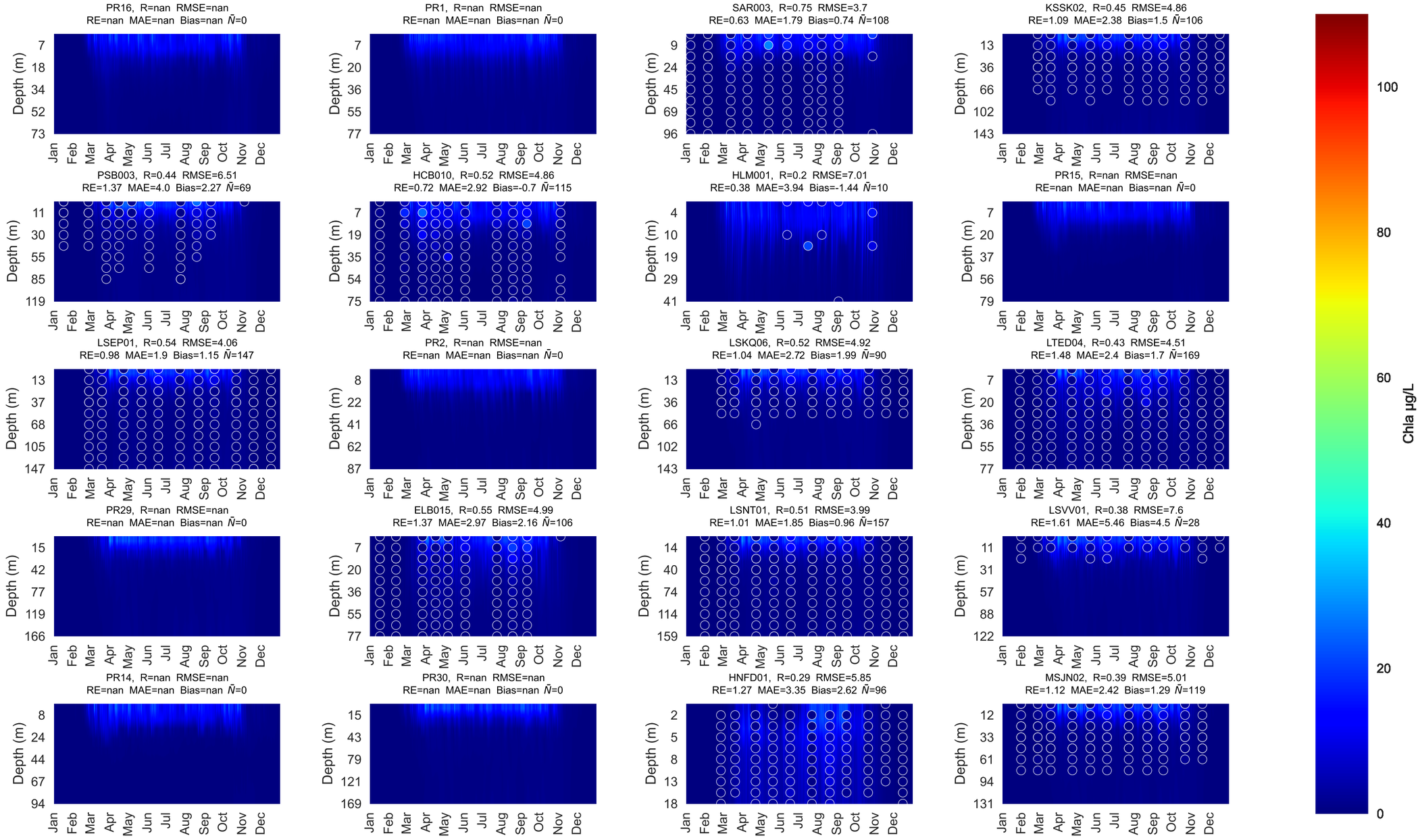

PR16, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR1, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SAR003, R=0.11 RMSE=0.03
RE=3.54 MAE=0.03 Bias=0.03 N̄=28
KSSK02, R=0.13 RMSE=0.02
RE=0.63 MAE=0.02 Bias=0.01 N̄=26
PSB003, R=0.22 RMSE=0.02
RE=1.17 MAE=0.02 Bias=0.01 N̄=28
HCB010, R=0.48 RMSE=0.03
RE=2.12 MAE=0.02 Bias=0.02 N̄=24
HLM001, R=0.26 RMSE=0.03
RE=1.52 MAE=0.03 Bias=0.02 N̄=13
PR15, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSEP01, R=0.08 RMSE=0.02
RE=0.61 MAE=0.02 Bias=0.01 N̄=35
PR2, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSKQ06, R=-0.16 RMSE=0.02
RE=0.76 MAE=0.02 Bias=0.02 N̄=15
LTED04, R=-0.29 RMSE=0.02
RE=0.77 MAE=0.02 Bias=0.01 N̄=16
PR29, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ELB015, R=-0.26 RMSE=0.03
RE=2.21 MAE=0.03 Bias=0.02 N̄=24
LSNT01, R=-0.2 RMSE=0.02
RE=0.7 MAE=0.02 Bias=0.02 N̄=26
LSVV01, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR14, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR30, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HNFD01, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
MSJN02, R=-0.38 RMSE=0.02
RE=0.8 MAE=0.02 Bias=0.02 N̄=23
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
NH4N mg/L
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40

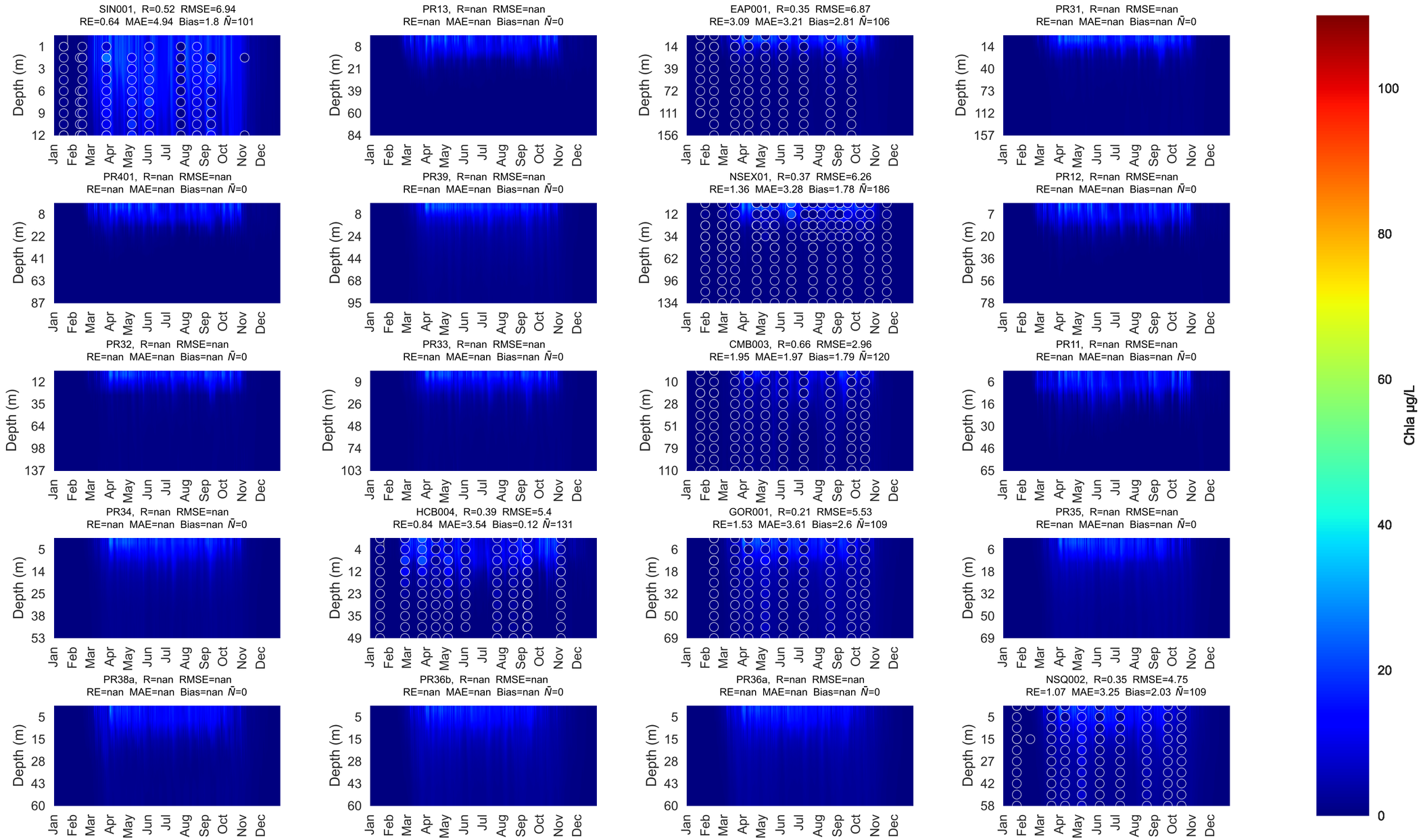

SIN001, R=0.21 RMSE=0.07
RE=1.38 MAE=0.06 Bias=0.04 N̄=18
PR13, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
EAP001, R=0.23 RMSE=0.02
RE=1.6 MAE=0.02 Bias=0.02 N̄=27
PR31, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR401, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR39, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
NSEX01, R=-0.27 RMSE=0.02
RE=0.81 MAE=0.02 Bias=0.01 N̄=34
PR12, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR32, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR33, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CMB003, R=0.29 RMSE=0.03
RE=1.14 MAE=0.02 Bias=0.02 N̄=33
PR11, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR34, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HCB004, R=0.05 RMSE=0.04
RE=2.85 MAE=0.03 Bias=0.03 N̄=28
GOR001, R=0.46 RMSE=0.02
RE=0.7 MAE=0.02 Bias=0.01 N̄=29
PR35, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR38a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR36b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR36a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
NSQ002, R=0.66 RMSE=0.02
RE=0.52 MAE=0.01 Bias=0.01 N̄=28
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
NH4N mg/L

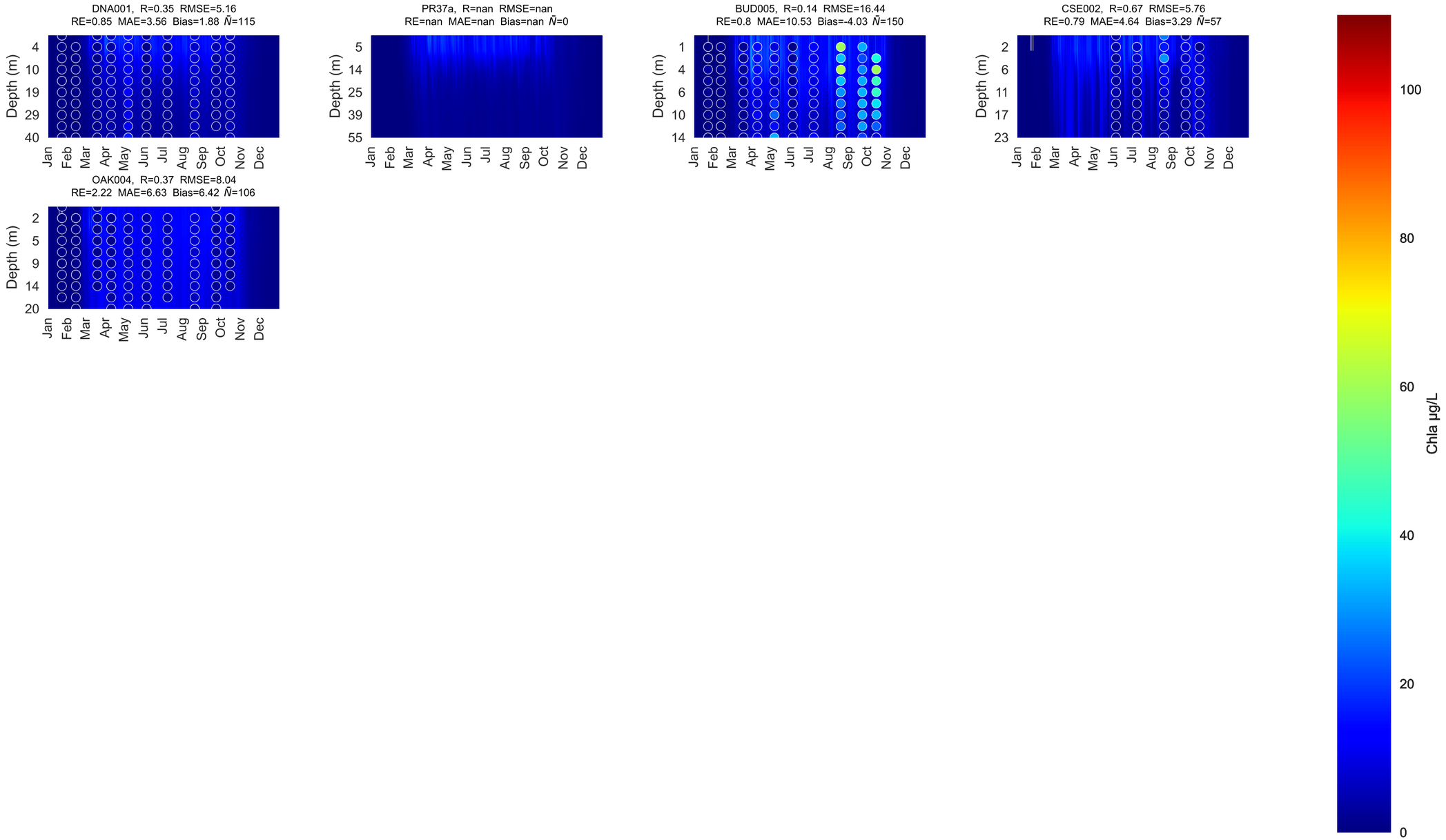

DNA001, R=0.54 RMSE=0.02
RE=0.45 MAE=0.02 Bias=0.01 N̄=26
PR37a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
BUD005, R=0.54 RMSE=0.04
RE=0.87 MAE=0.03 Bias=0.02 N̄=25
CSE002, R=0.7 RMSE=0.05
RE=0.4 MAE=0.04 Bias=-0.03 N̄=14
OAK004, R=0.57 RMSE=0.02
RE=0.44 MAE=0.02 Bias=-0.0 N̄=20
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
NH4N mg/L
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40

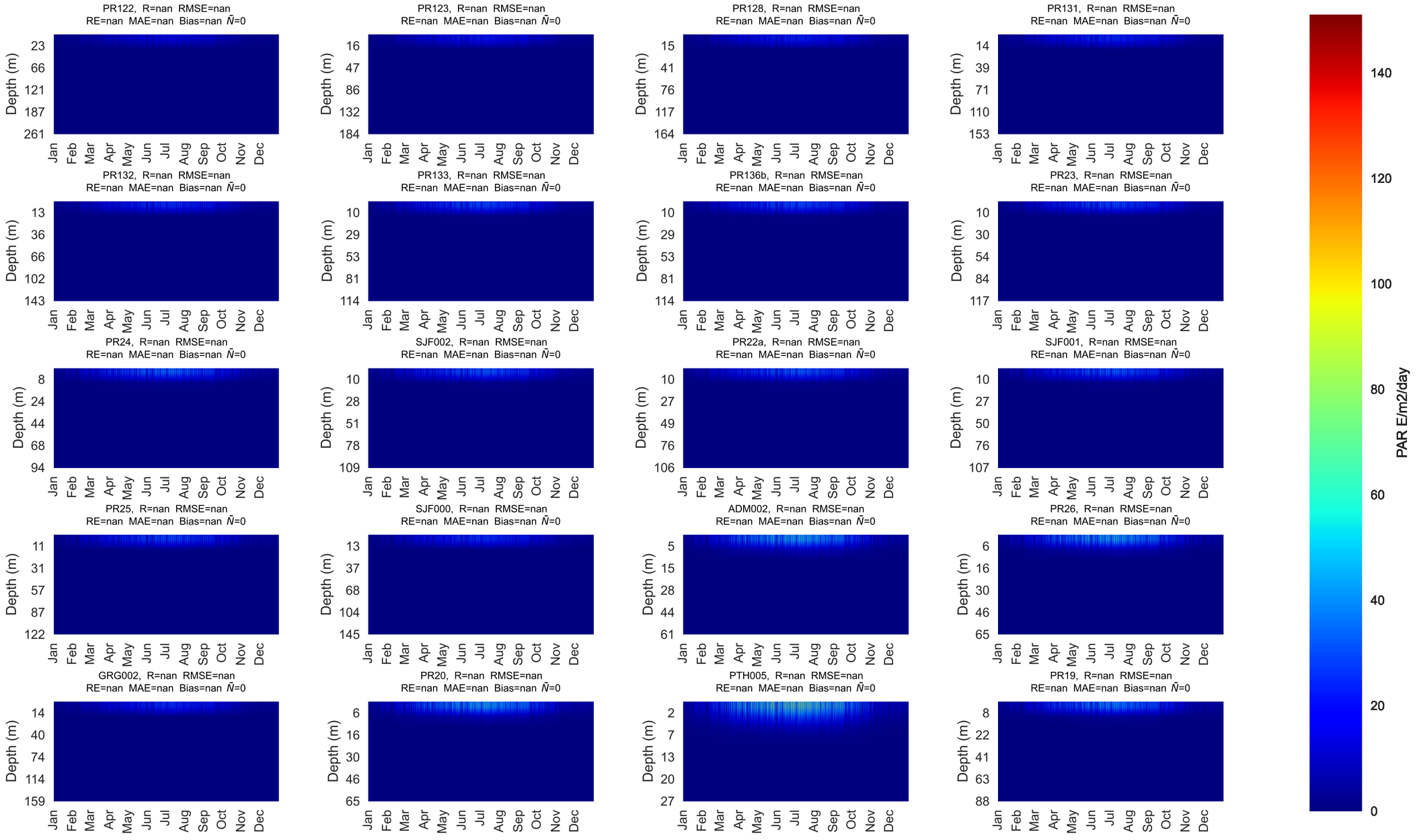

PR122, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR123, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR128, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR131, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR132, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR133, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR136b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR23, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR24, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF002, R=0.15 RMSE=5.04
RE=4.12 MAE=2.89 Bias=2.8 N̄=80
PR22a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF001, R=0.28 RMSE=5.72
RE=5.31 MAE=3.35 Bias=3.35 N̄=71
PR25, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SJF000, R=0.28 RMSE=5.59
RE=5.4 MAE=3.32 Bias=3.32 N̄=90
ADM002, R=0.19 RMSE=4.37
RE=2.33 MAE=2.55 Bias=2.17 N̄=70
PR26, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
GRG002, R=0.56 RMSE=4.81
RE=1.89 MAE=2.51 Bias=2.26 N̄=100
PR20, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PTH005, R=0.61 RMSE=3.95
RE=0.7 MAE=2.72 Bias=1.19 N̄=154
PR19, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Chla µg/L
0 20 40 60 80 100

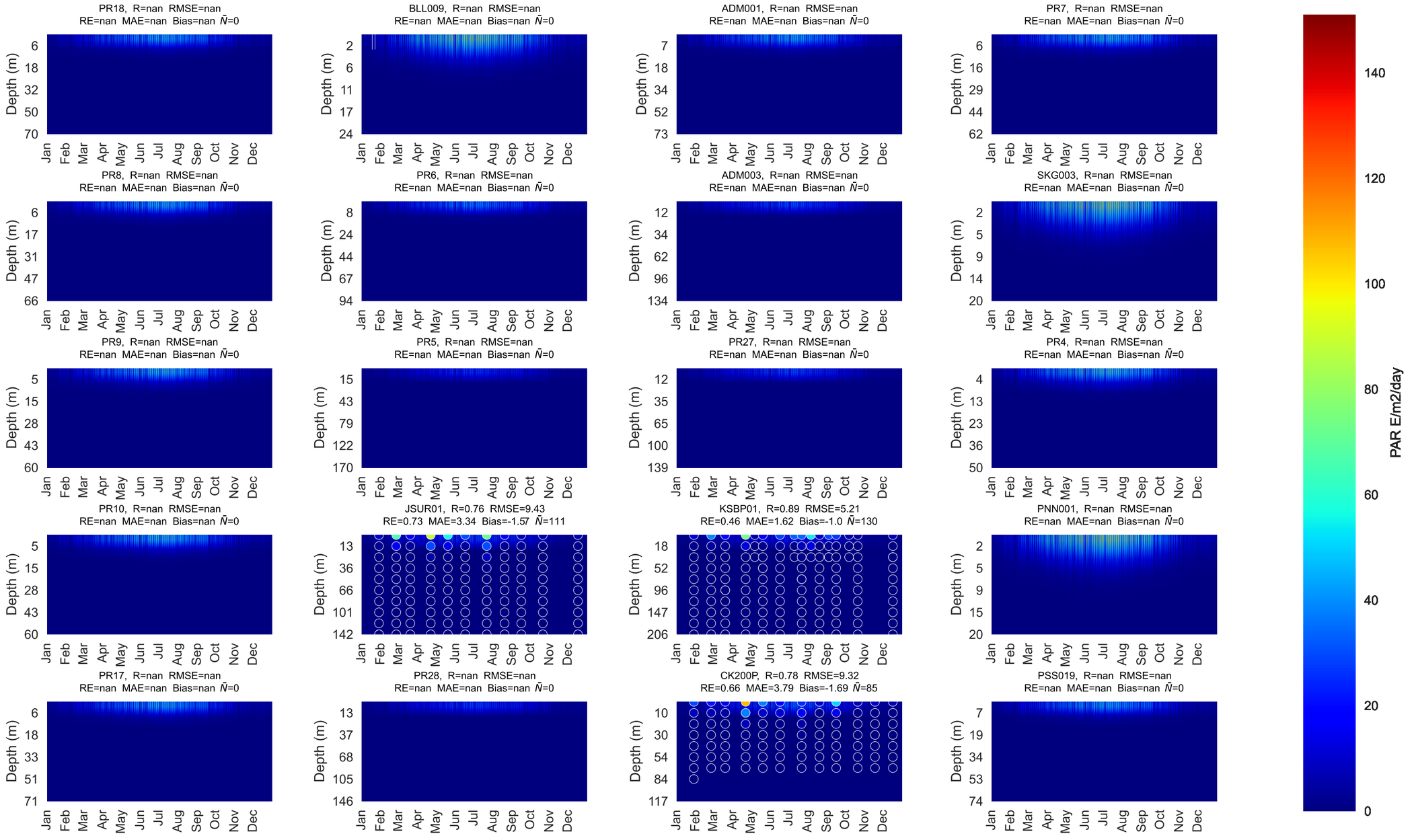

PR18, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
BLL009, R=-0.05 RMSE=12.75
RE=1.13 MAE=9.35 Bias=3.91 N̄=58
ADM001, R=0.22 RMSE=5.23
RE=1.65 MAE=3.27 Bias=2.4 N̄=115
PR7, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR8, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR6, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ADM003, R=0.55 RMSE=5.16
RE=1.82 MAE=2.93 Bias=2.55 N̄=106
SKG003, R=0.57 RMSE=6.11
RE=1.16 MAE=4.35 Bias=4.14 N̄=48
PR9, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR5, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR27, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR4, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR10, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
JSUR01, R=0.5 RMSE=4.61
RE=1.24 MAE=2.13 Bias=1.47 N̄=165
KSBP01, R=0.57 RMSE=4.12
RE=0.92 MAE=2.12 Bias=1.09 N̄=196
PNN001, R=0.95 RMSE=3.04
RE=0.33 MAE=2.47 Bias=-0.39 N̄=10
PR17, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR28, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CK200P, R=0.35 RMSE=5.37
RE=1.1 MAE=2.7 Bias=0.97 N̄=132
PSS019, R=0.68 RMSE=4.22
RE=0.86 MAE=2.42 Bias=1.42 N̄=112
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Chla µg/L
0 20 40 60 80 100

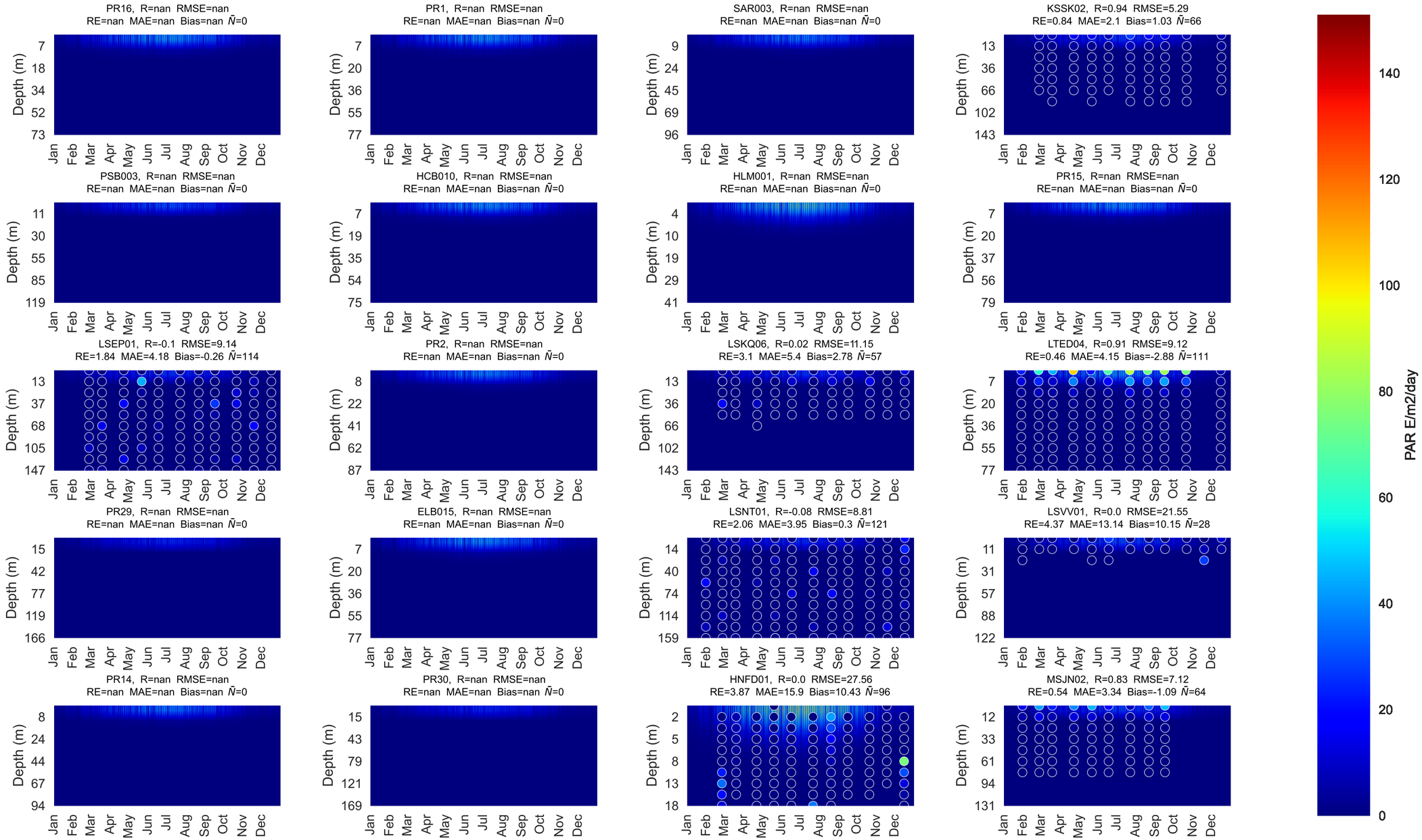

PR16, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR1, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SAR003, R=0.75 RMSE=3.7
RE=0.63 MAE=1.79 Bias=0.74 N̄=108
KSSK02, R=0.45 RMSE=4.86
RE=1.09 MAE=2.38 Bias=1.5 N̄=106
PSB003, R=0.44 RMSE=6.51
RE=1.37 MAE=4.0 Bias=2.27 N̄=69
HCB010, R=0.52 RMSE=4.86
RE=0.72 MAE=2.92 Bias=-0.7 N̄=115
HLM001, R=0.2 RMSE=7.01
RE=0.38 MAE=3.94 Bias=-1.44 N̄=10
PR15, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSEP01, R=0.54 RMSE=4.06
RE=0.98 MAE=1.9 Bias=1.15 N̄=147
PR2, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSKQ06, R=0.52 RMSE=4.92
RE=1.04 MAE=2.72 Bias=1.99 N̄=90
LTED04, R=0.43 RMSE=4.51
RE=1.48 MAE=2.4 Bias=1.7 N̄=169
PR29, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ELB015, R=0.55 RMSE=4.99
RE=1.37 MAE=2.97 Bias=2.16 N̄=106
LSNT01, R=0.51 RMSE=3.99
RE=1.01 MAE=1.85 Bias=0.96 N̄=157
LSVV01, R=0.38 RMSE=7.6
RE=1.61 MAE=5.46 Bias=4.5 N̄=28
PR14, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR30, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HNFD01, R=0.29 RMSE=5.85
RE=1.27 MAE=3.35 Bias=2.62 N̄=96
MSJN02, R=0.39 RMSE=5.01
RE=1.12 MAE=2.42 Bias=1.29 N̄=119
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Chla µg/L
0 20 40 60 80 100

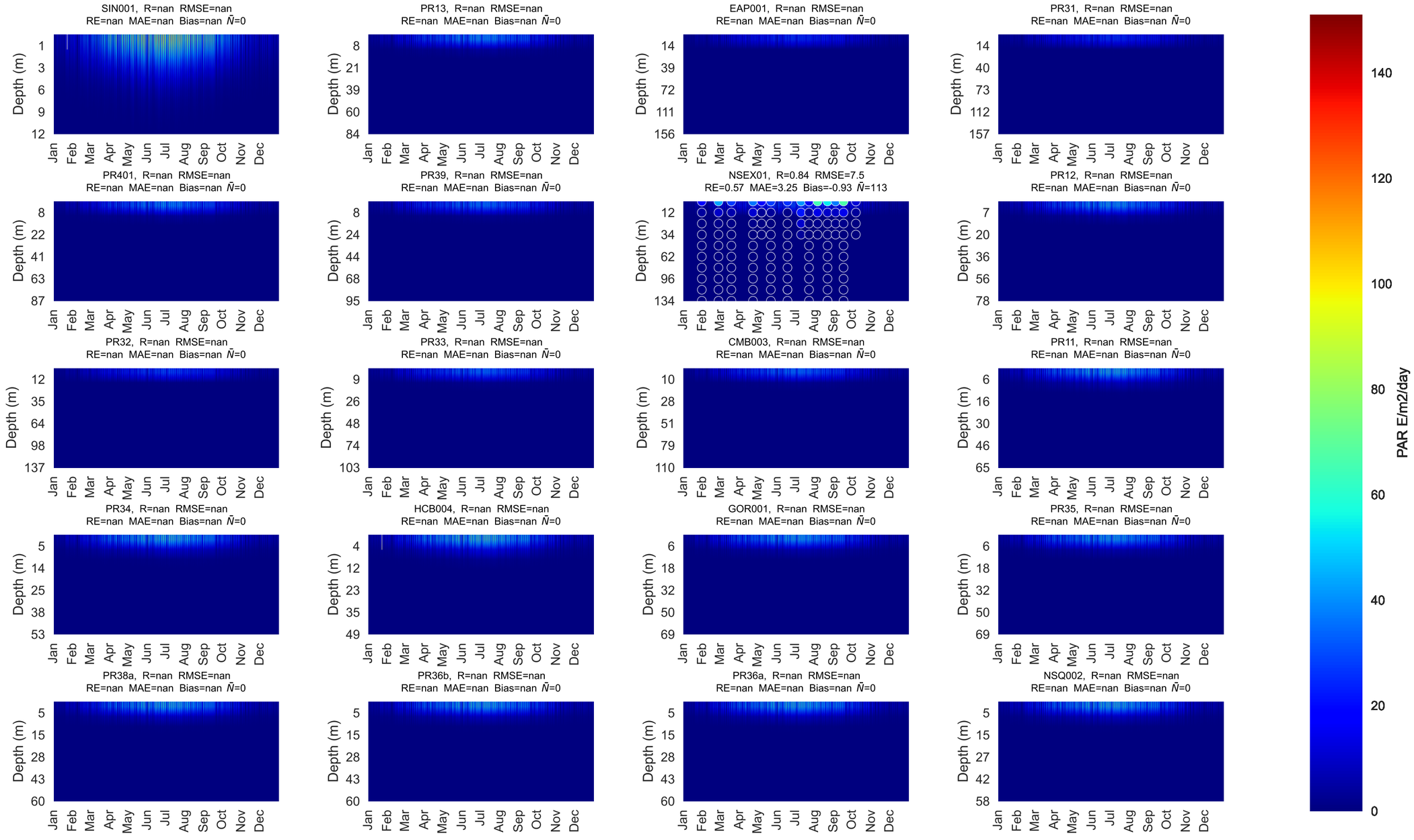

SIN001, R=0.52 RMSE=6.94
RE=0.64 MAE=4.94 Bias=1.8 $\bar{N}$=101
PR13, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
EAP001, R=0.35 RMSE=6.87
RE=3.09 MAE=3.21 Bias=2.81 $\bar{N}$=106
PR31, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR401, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR39, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
NSEX01, R=0.37 RMSE=6.26
RE=1.36 MAE=3.28 Bias=1.78 $\bar{N}$=186
PR12, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR32, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR33, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
CMB003, R=0.66 RMSE=2.96
RE=1.95 MAE=1.97 Bias=1.79 $\bar{N}$=120
PR11, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR34, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
HCB004, R=0.39 RMSE=5.4
RE=0.84 MAE=3.54 Bias=0.12 $\bar{N}$=131
GOR001, R=0.21 RMSE=5.53
RE=1.53 MAE=3.61 Bias=2.6 $\bar{N}$=109
PR35, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR38a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR36b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR36a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
NSQ002, R=0.35 RMSE=4.75
RE=1.07 MAE=3.25 Bias=2.03 $\bar{N}$=109
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Chla µg/L
0 20 40 60 80 100

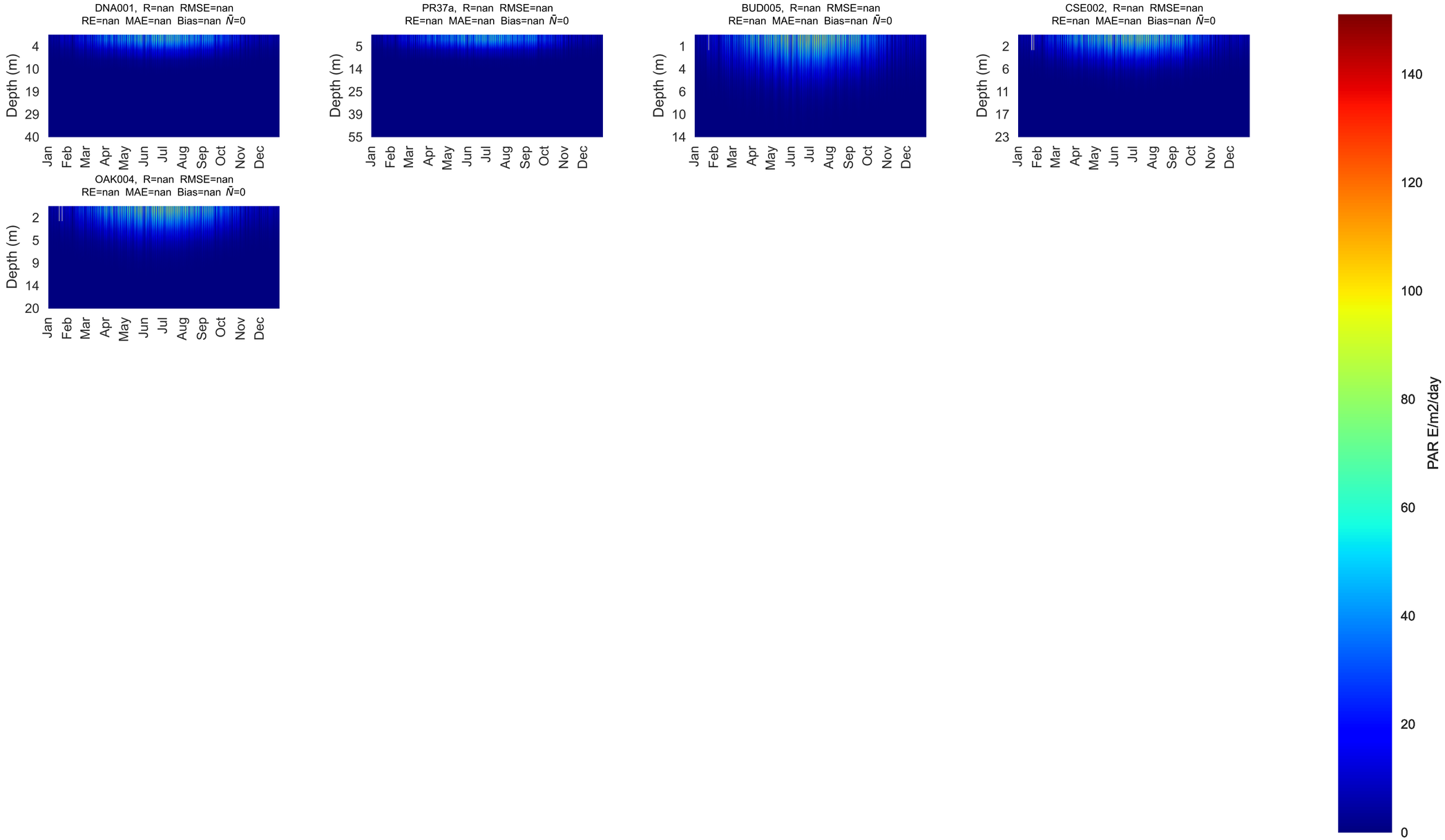

DNA001, R=0.35 RMSE=5.16
RE=0.85 MAE=3.56 Bias=1.88 $\bar{N}$=115
PR37a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
BUD005, R=0.14 RMSE=16.44
RE=0.8 MAE=10.53 Bias=-4.03 $\bar{N}$=150
CSE002, R=0.67 RMSE=5.76
RE=0.79 MAE=4.64 Bias=3.29 $\bar{N}$=57
OAK004, R=0.37 RMSE=8.04
RE=2.22 MAE=6.63 Bias=6.42 $\bar{N}$=106
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Chla µg/L
0 20 40 60 80 100

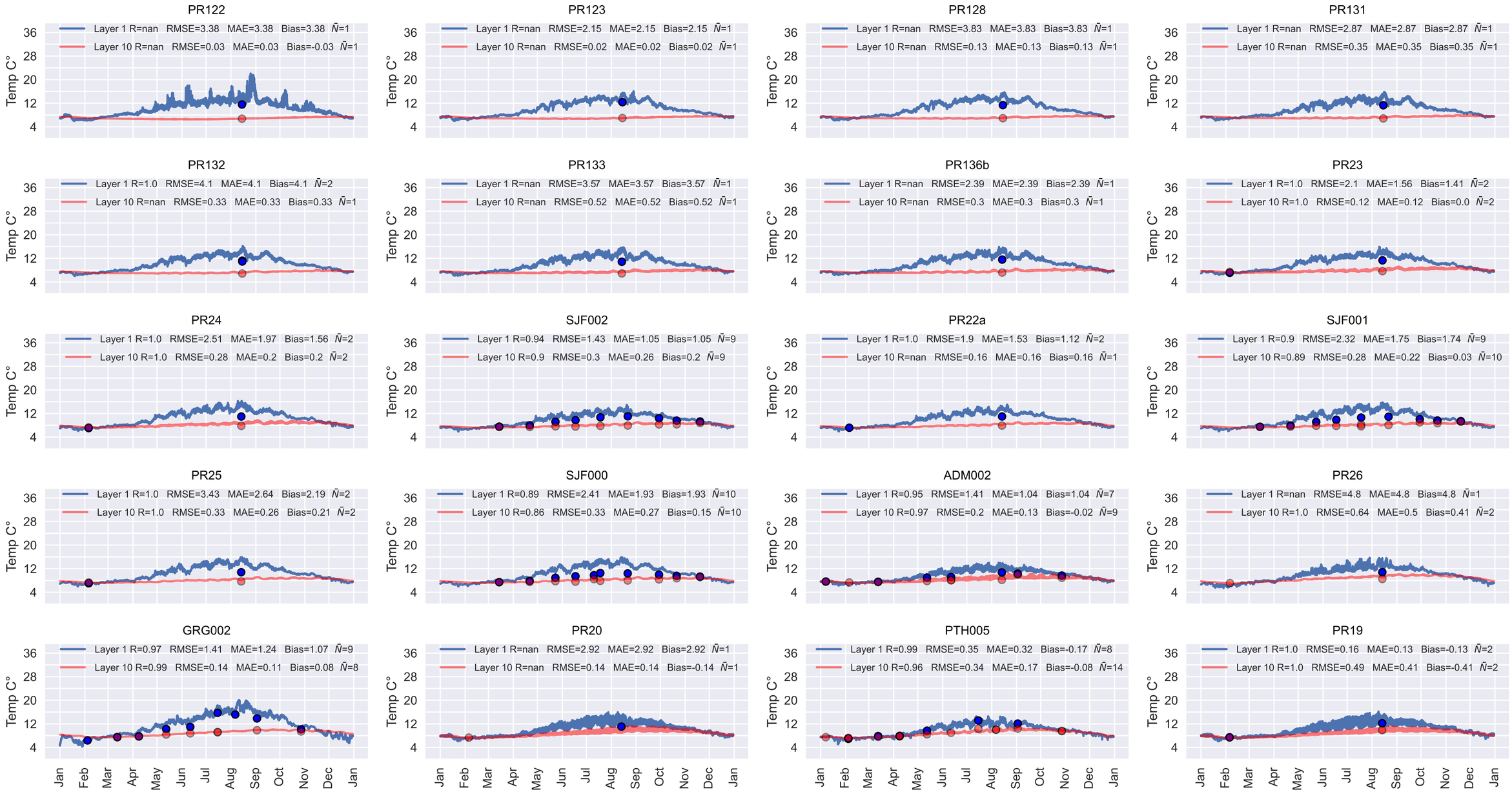

PR122, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR123, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR128, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR131, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR132, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR133, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR136b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR23, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR24, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
SJF002, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR22a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
SJF001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR25, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
SJF000, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
ADM002, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR26, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
GRG002, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR20, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PTH005, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR19, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
PAR E/m2/day
0 20 40 60 80 100 120 140

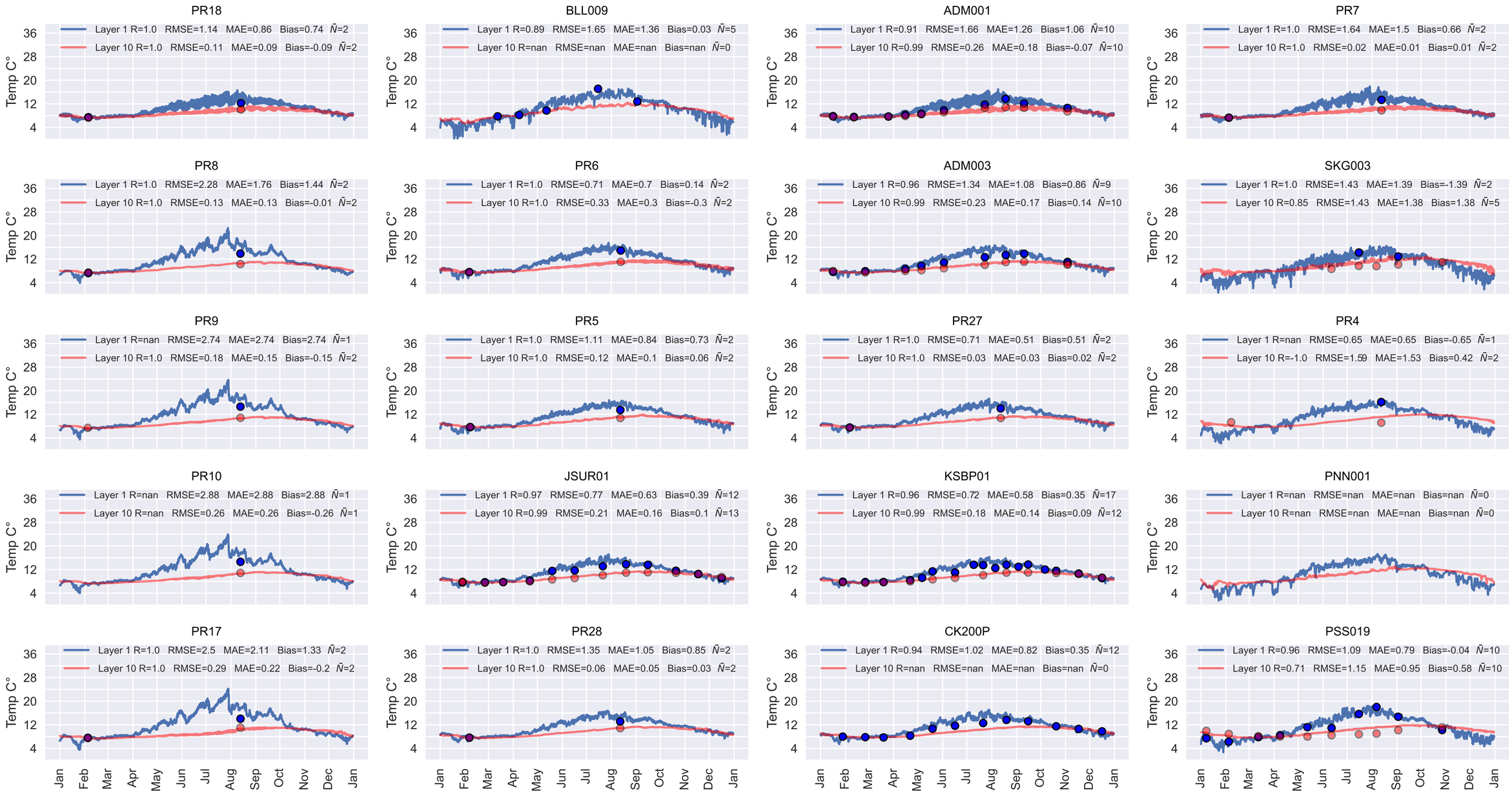

PR18, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
BLL009, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ADM001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR7, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR8, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR6, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ADM003, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SKG003, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR9, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR5, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR27, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR4, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR10, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
JSUR01, R=0.76 RMSE=9.43
RE=0.73 MAE=3.34 Bias=-1.57 N̄=111
KSBP01, R=0.89 RMSE=5.21
RE=0.46 MAE=1.62 Bias=-1.0 N̄=130
PNN001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR17, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR28, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CK200P, R=0.78 RMSE=9.32
RE=0.66 MAE=3.79 Bias=-1.69 N̄=85
PSS019, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
PAR E/m2/day
0 20 40 60 80 100 120 140

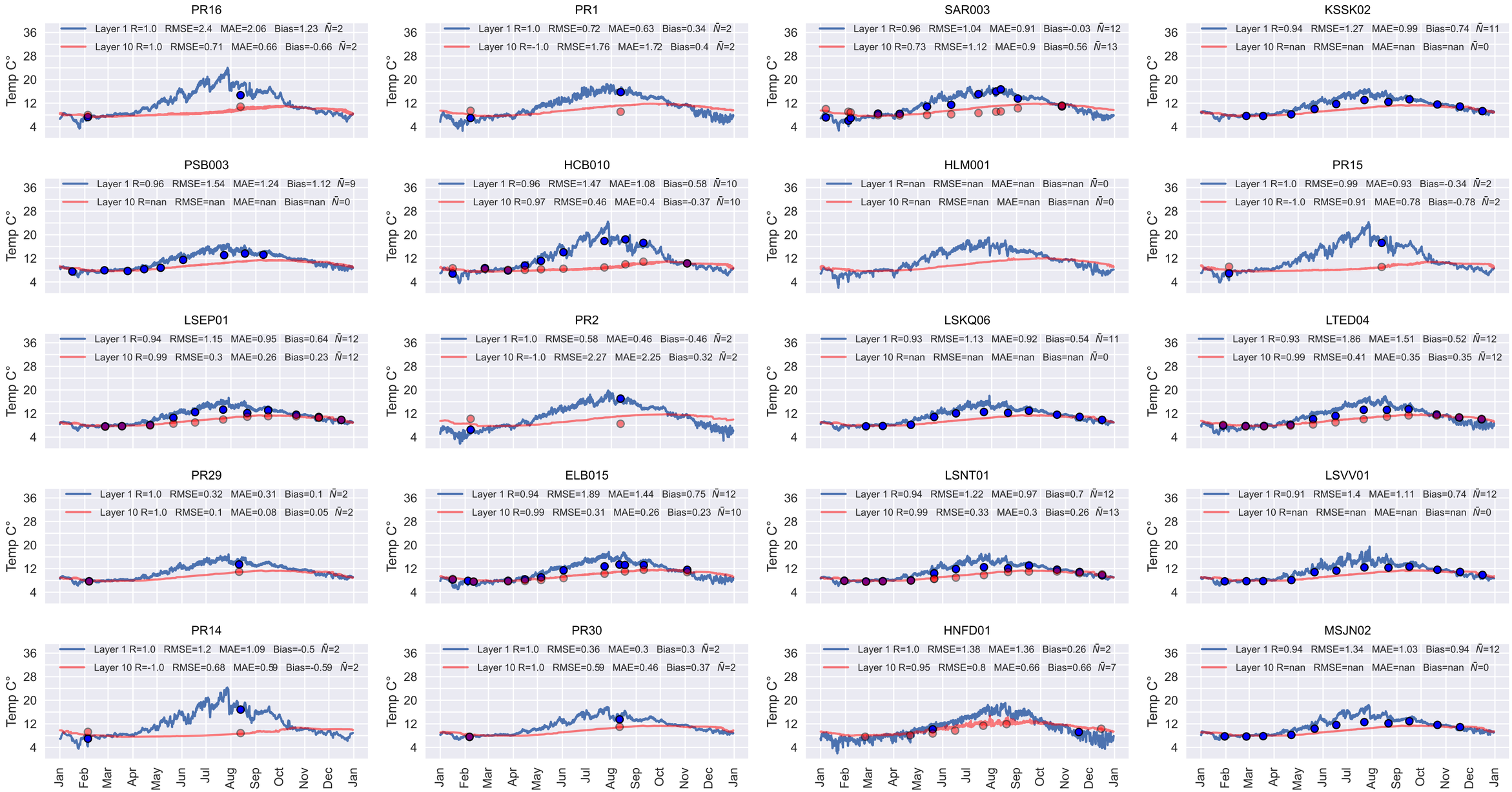

PR16, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR1, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
SAR003, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
KSSK02, R=0.94 RMSE=5.29
RE=0.84 MAE=2.1 Bias=1.03 N̄=66
PSB003, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HCB010, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HLM001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR15, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSEP01, R=-0.1 RMSE=9.14
RE=1.84 MAE=4.18 Bias=-0.26 N̄=114
PR2, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSKQ06, R=0.02 RMSE=11.15
RE=3.1 MAE=5.4 Bias=2.78 N̄=57
LTED04, R=0.91 RMSE=9.12
RE=0.46 MAE=4.15 Bias=-2.88 N̄=111
PR29, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
ELB015, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
LSNT01, R=-0.08 RMSE=8.81
RE=2.06 MAE=3.95 Bias=0.3 N̄=121
LSVV01, R=0.0 RMSE=21.55
RE=4.37 MAE=13.14 Bias=10.15 N̄=28
PR14, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR30, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HNFD01, R=0.0 RMSE=27.56
RE=3.87 MAE=15.9 Bias=10.43 N̄=96
MSJN02, R=0.83 RMSE=7.12
RE=0.54 MAE=3.34 Bias=-1.09 N̄=64
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
PAR E/m2/day
0 20 40 60 80 100 120 140

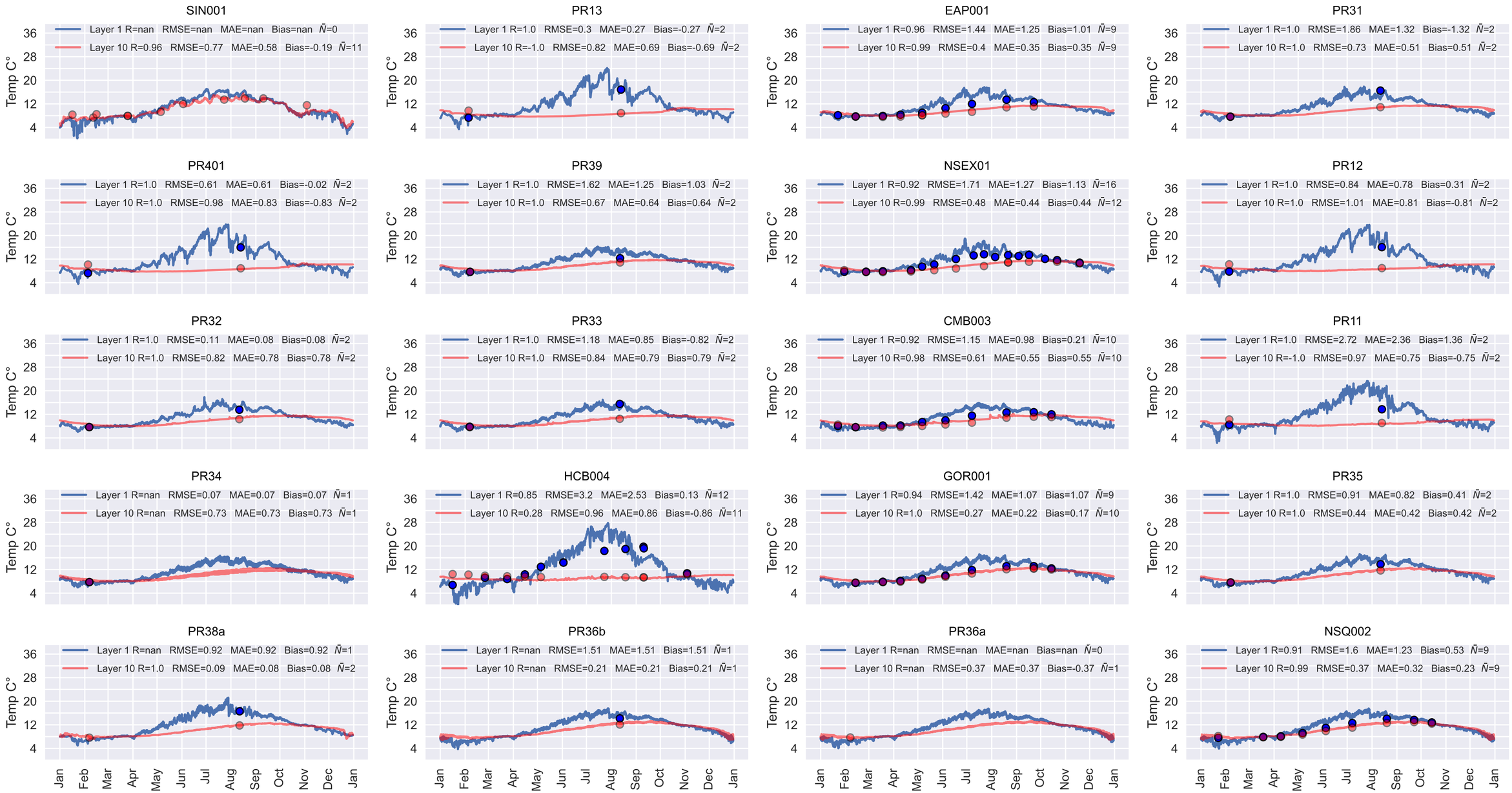

SIN001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR13, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
EAP001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR31, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR401, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR39, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
NSEX01, R=0.84 RMSE=7.5
RE=0.57 MAE=3.25 Bias=-0.93 N̄=113
PR12, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR32, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR33, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
CMB003, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR11, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR34, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
HCB004, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
GOR001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR35, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR38a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR36b, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
PR36a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
NSQ002, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan N̄=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
PAR E/m2/day
0 20 40 60 80 100 120 140

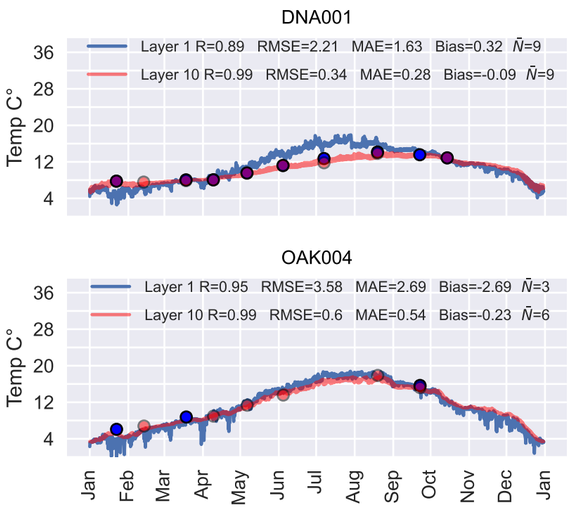

DNA001, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
PR37a, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
BUD005, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
CSE002, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
OAK004, R=nan RMSE=nan
RE=nan MAE=nan Bias=nan $\bar{N}$=0
Depth (m)
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
PAR E/m2/day
0 20 40 60 80 100 120 140

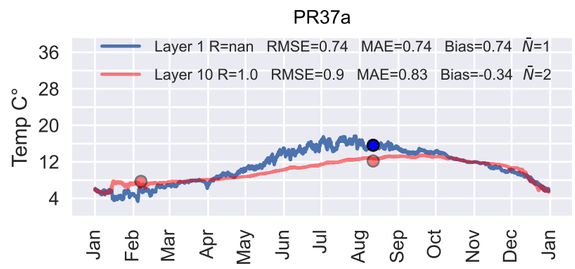

PR122
Layer 1 R=nan RMSE=3.38 MAE=3.38 Bias=3.38 Ñ=1
Layer 10 R=nan RMSE=0.03 MAE=0.03 Bias=-0.03 Ñ=1
PR123
Layer 1 R=nan RMSE=2.15 MAE=2.15 Bias=2.15 Ñ=1
Layer 10 R=nan RMSE=0.02 MAE=0.02 Bias=0.02 Ñ=1
PR128
Layer 1 R=nan RMSE=3.83 MAE=3.83 Bias=3.83 Ñ=1
Layer 10 R=nan RMSE=0.13 MAE=0.13 Bias=0.13 Ñ=1
PR131
Layer 1 R=nan RMSE=2.87 MAE=2.87 Bias=2.87 Ñ=1
Layer 10 R=nan RMSE=0.35 MAE=0.35 Bias=0.35 Ñ=1
PR132
Layer 1 R=1.0 RMSE=4.1 MAE=4.1 Bias=4.1 Ñ=2
Layer 10 R=nan RMSE=0.33 MAE=0.33 Bias=0.33 Ñ=1
PR133
Layer 1 R=nan RMSE=3.57 MAE=3.57 Bias=3.57 Ñ=1
Layer 10 R=nan RMSE=0.52 MAE=0.52 Bias=0.52 Ñ=1
PR136b
Layer 1 R=nan RMSE=2.39 MAE=2.39 Bias=2.39 Ñ=1
Layer 10 R=nan RMSE=0.3 MAE=0.3 Bias=0.3 Ñ=1
PR23
Layer 1 R=1.0 RMSE=2.1 MAE=1.56 Bias=1.41 Ñ=2
Layer 10 R=1.0 RMSE=0.12 MAE=0.12 Bias=0.0 Ñ=2
PR24
Layer 1 R=1.0 RMSE=2.51 MAE=1.97 Bias=1.56 Ñ=2
Layer 10 R=1.0 RMSE=0.28 MAE=0.2 Bias=0.2 Ñ=2
SJF002
Layer 1 R=0.94 RMSE=1.43 MAE=1.05 Bias=1.05 Ñ=9
Layer 10 R=0.9 RMSE=0.3 MAE=0.26 Bias=0.2 Ñ=9
PR22a
Layer 1 R=1.0 RMSE=1.9 MAE=1.53 Bias=1.12 Ñ=2
Layer 10 R=nan RMSE=0.16 MAE=0.16 Bias=0.16 Ñ=1
SJF001
Layer 1 R=0.9 RMSE=2.32 MAE=1.75 Bias=1.74 Ñ=9
Layer 10 R=0.89 RMSE=0.28 MAE=0.22 Bias=0.03 Ñ=10
PR25
Layer 1 R=1.0 RMSE=3.43 MAE=2.64 Bias=2.19 Ñ=2
Layer 10 R=1.0 RMSE=0.33 MAE=0.26 Bias=0.21 Ñ=2
SJF000
Layer 1 R=0.89 RMSE=2.41 MAE=1.93 Bias=1.93 Ñ=10
Layer 10 R=0.86 RMSE=0.33 MAE=0.27 Bias=0.15 Ñ=10
ADM002
Layer 1 R=0.95 RMSE=1.41 MAE=1.04 Bias=1.04 Ñ=7
Layer 10 R=0.97 RMSE=0.2 MAE=0.13 Bias=-0.02 Ñ=9
PR26
Layer 1 R=nan RMSE=4.8 MAE=4.8 Bias=4.8 Ñ=1
Layer 10 R=1.0 RMSE=0.64 MAE=0.5 Bias=0.41 Ñ=2
GRG002
Layer 1 R=0.97 RMSE=1.41 MAE=1.24 Bias=1.07 Ñ=9
Layer 10 R=0.99 RMSE=0.14 MAE=0.11 Bias=0.08 Ñ=8
PR20
Layer 1 R=nan RMSE=2.92 MAE=2.92 Bias=2.92 Ñ=1
Layer 10 R=nan RMSE=0.14 MAE=0.14 Bias=-0.14 Ñ=1
PTH005
Layer 1 R=0.99 RMSE=0.35 MAE=0.32 Bias=-0.17 Ñ=8
Layer 10 R=0.96 RMSE=0.34 MAE=0.17 Bias=-0.08 Ñ=14
PR19
Layer 1 R=1.0 RMSE=0.16 MAE=0.13 Bias=-0.13 Ñ=2
Layer 10 R=1.0 RMSE=0.49 MAE=0.41 Bias=-0.41 Ñ=2
Temp C°
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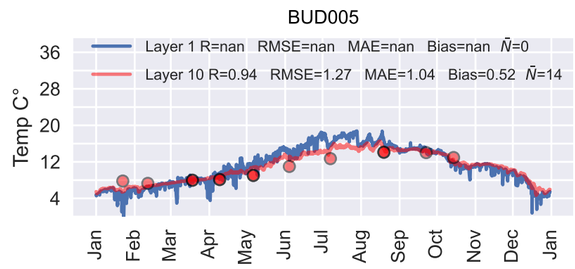

PR18
Layer 1 R=1.0 RMSE=1.14 MAE=0.86 Bias=0.74 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.11 MAE=0.09 Bias=-0.09 $\tilde{N}$=2
BLL009
Layer 1 R=0.89 RMSE=1.65 MAE=1.36 Bias=0.03 $\tilde{N}$=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
ADM001
Layer 1 R=0.91 RMSE=1.66 MAE=1.26 Bias=1.06 $\tilde{N}$=10
Layer 10 R=0.99 RMSE=0.26 MAE=0.18 Bias=-0.07 $\tilde{N}$=10
PR7
Layer 1 R=1.0 RMSE=1.64 MAE=1.5 Bias=0.66 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.02 MAE=0.01 Bias=0.01 $\tilde{N}$=2
PR8
Layer 1 R=1.0 RMSE=2.28 MAE=1.76 Bias=1.44 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.13 MAE=0.13 Bias=-0.01 $\tilde{N}$=2
PR6
Layer 1 R=1.0 RMSE=0.71 MAE=0.7 Bias=0.14 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.33 MAE=0.3 Bias=-0.3 $\tilde{N}$=2
ADM003
Layer 1 R=0.96 RMSE=1.34 MAE=1.08 Bias=0.86 $\tilde{N}$=9
Layer 10 R=0.99 RMSE=0.23 MAE=0.17 Bias=0.14 $\tilde{N}$=10
SKG003
Layer 1 R=1.0 RMSE=1.43 MAE=1.39 Bias=-1.39 $\tilde{N}$=2
Layer 10 R=0.85 RMSE=1.43 MAE=1.38 Bias=1.38 $\tilde{N}$=5
PR9
Layer 1 R=nan RMSE=2.74 MAE=2.74 Bias=2.74 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.18 MAE=0.15 Bias=-0.15 N=2
PR5
Layer 1 R=1.0 RMSE=1.11 MAE=0.84 Bias=0.73 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.12 MAE=0.1 Bias=0.06 N=2
PR27
Layer 1 R=1.0 RMSE=0.71 MAE=0.51 Bias=0.51 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.03 MAE=0.03 Bias=0.02 N=2
PR4
Layer 1 R=nan RMSE=0.65 MAE=0.65 Bias=-0.65 $\tilde{N}$=1
Layer 10 R=-1.0 RMSE=1.59 MAE=1.53 Bias=0.42 N=2
PR10
Layer 1 R=nan RMSE=2.88 MAE=2.88 Bias=2.88 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.26 MAE=0.26 Bias=-0.26 $\tilde{N}$=1
JSUR01
Layer 1 R=0.97 RMSE=0.77 MAE=0.63 Bias=0.39 $\tilde{N}$=12
Layer 10 R=0.99 RMSE=0.21 MAE=0.16 Bias=0.1 $\tilde{N}$=13
KSBP01
Layer 1 R=0.96 RMSE=0.72 MAE=0.58 Bias=0.35 $\tilde{N}$=17
Layer 10 R=0.99 RMSE=0.18 MAE=0.14 Bias=0.09 $\tilde{N}$=12
PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR17
Layer 1 R=1.0 RMSE=2.5 MAE=2.11 Bias=1.33 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.29 MAE=0.22 Bias=-0.2 $\tilde{N}$=2
PR28
Layer 1 R=1.0 RMSE=1.35 MAE=1.05 Bias=0.85 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.06 MAE=0.05 Bias=0.03 $\tilde{N}$=2
CK200P
Layer 1 R=0.94 RMSE=1.02 MAE=0.82 Bias=0.35 $\tilde{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PSS019
Layer 1 R=0.96 RMSE=1.09 MAE=0.79 Bias=-0.04 $\tilde{N}$=10
Layer 10 R=0.71 RMSE=1.15 MAE=0.95 Bias=0.58 $\tilde{N}$=10
Temp C°
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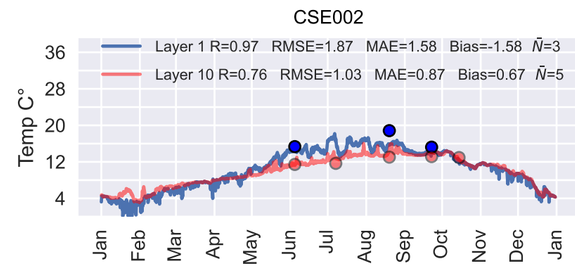

PR16
Layer 1 R=1.0 RMSE=2.4 MAE=2.06 Bias=1.23 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.71 MAE=0.66 Bias=-0.66 $\bar{N}$=2
PR1
Layer 1 R=1.0 RMSE=0.72 MAE=0.63 Bias=0.34 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=1.76 MAE=1.72 Bias=0.4 $\bar{N}$=2
SAR003
Layer 1 R=0.96 RMSE=1.04 MAE=0.91 Bias=-0.03 $\bar{N}$=12
Layer 10 R=0.73 RMSE=1.12 MAE=0.9 Bias=0.56 $\bar{N}$=13
KSSK02
Layer 1 R=0.94 RMSE=1.27 MAE=0.99 Bias=0.74 $\bar{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PSB003
Layer 1 R=0.96 RMSE=1.54 MAE=1.24 Bias=1.12 $\bar{N}$=9
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
HCB010
Layer 1 R=0.96 RMSE=1.47 MAE=1.08 Bias=0.58 $\bar{N}$=10
Layer 10 R=0.97 RMSE=0.46 MAE=0.4 Bias=-0.37 $\bar{N}$=10
HLM001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR15
Layer 1 R=1.0 RMSE=0.99 MAE=0.93 Bias=-0.34 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=0.91 MAE=0.78 Bias=-0.78 $\bar{N}$=2
LSEP01
Layer 1 R=0.94 RMSE=1.15 MAE=0.95 Bias=0.64 $\bar{N}$=12
Layer 10 R=0.99 RMSE=0.3 MAE=0.26 Bias=0.23 $\bar{N}$=12
PR2
Layer 1 R=1.0 RMSE=0.58 MAE=0.46 Bias=-0.46 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=2.27 MAE=2.25 Bias=0.32 $\bar{N}$=2
LSKQ06
Layer 1 R=0.93 RMSE=1.13 MAE=0.92 Bias=0.54 $\bar{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
LTED04
Layer 1 R=0.93 RMSE=1.86 MAE=1.51 Bias=0.52 $\bar{N}$=12
Layer 10 R=0.99 RMSE=0.41 MAE=0.35 Bias=0.35 $\bar{N}$=12
PR29
Layer 1 R=1.0 RMSE=0.32 MAE=0.31 Bias=0.1 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.1 MAE=0.08 Bias=0.05 $\bar{N}$=2
ELB015
Layer 1 R=0.94 RMSE=1.89 MAE=1.44 Bias=0.75 $\bar{N}$=12
Layer 10 R=0.99 RMSE=0.31 MAE=0.26 Bias=0.23 $\bar{N}$=10
LSNT01
Layer 1 R=0.94 RMSE=1.22 MAE=0.97 Bias=0.7 $\bar{N}$=12
Layer 10 R=0.99 RMSE=0.33 MAE=0.3 Bias=0.26 $\bar{N}$=13
LSVV01
Layer 1 R=0.91 RMSE=1.4 MAE=1.11 Bias=0.74 $\bar{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR14
Layer 1 R=1.0 RMSE=1.2 MAE=1.09 Bias=-0.5 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=0.68 MAE=0.59 Bias=-0.59 $\bar{N}$=2
PR30
Layer 1 R=1.0 RMSE=0.36 MAE=0.3 Bias=0.3 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.59 MAE=0.46 Bias=0.37 $\bar{N}$=2
HNFD01
Layer 1 R=1.0 RMSE=1.38 MAE=1.36 Bias=0.26 $\bar{N}$=2
Layer 10 R=0.95 RMSE=0.8 MAE=0.66 Bias=0.66 $\bar{N}$=7
MSJN02
Layer 1 R=0.94 RMSE=1.34 MAE=1.03 Bias=0.94 $\bar{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Temp C°
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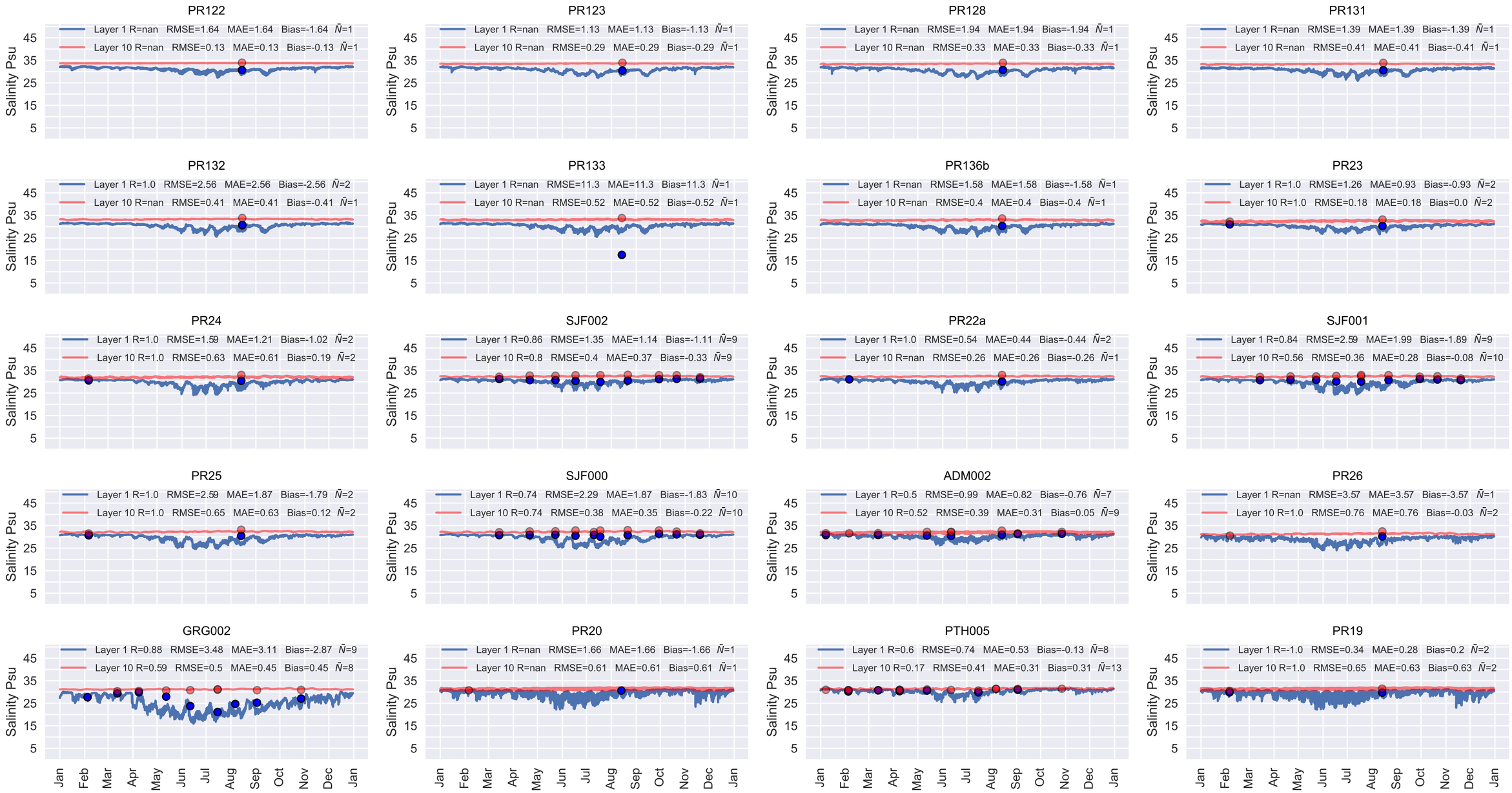

SIN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=0.96 RMSE=0.77 MAE=0.58 Bias=-0.19 $\tilde{N}$=11
PR13
Layer 1 R=1.0 RMSE=0.3 MAE=0.27 Bias=-0.27 $\tilde{N}$=2
Layer 10 R=-1.0 RMSE=0.82 MAE=0.69 Bias=-0.69 $\tilde{N}$=2
EAP001
Layer 1 R=0.96 RMSE=1.44 MAE=1.25 Bias=1.01 $\tilde{N}$=9
Layer 10 R=0.99 RMSE=0.4 MAE=0.35 Bias=0.35 $\tilde{N}$=9
PR31
Layer 1 R=1.0 RMSE=1.86 MAE=1.32 Bias=-1.32 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.73 MAE=0.51 Bias=0.51 $\tilde{N}$=2
PR401
Layer 1 R=1.0 RMSE=0.61 MAE=0.61 Bias=-0.02 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.98 MAE=0.83 Bias=-0.83 $\tilde{N}$=2
PR39
Layer 1 R=1.0 RMSE=1.62 MAE=1.25 Bias=1.03 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.67 MAE=0.64 Bias=0.64 $\tilde{N}$=2
NSEX01
Layer 1 R=0.92 RMSE=1.71 MAE=1.27 Bias=1.13 $\tilde{N}$=16
Layer 10 R=0.99 RMSE=0.48 MAE=0.44 Bias=0.44 $\tilde{N}$=12
PR12
Layer 1 R=1.0 RMSE=0.84 MAE=0.78 Bias=0.31 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=1.01 MAE=0.81 Bias=-0.81 $\tilde{N}$=2
PR32
Layer 1 R=1.0 RMSE=0.11 MAE=0.08 Bias=0.08 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.82 MAE=0.78 Bias=0.78 N=2
PR33
Layer 1 R=1.0 RMSE=1.18 MAE=0.85 Bias=-0.82 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.84 MAE=0.79 Bias=0.79 N=2
CMB003
Layer 1 R=0.92 RMSE=1.15 MAE=0.98 Bias=0.21 $\tilde{N}$=10
Layer 10 R=0.98 RMSE=0.61 MAE=0.55 Bias=0.55 N=10
PR11
Layer 1 R=1.0 RMSE=2.72 MAE=2.36 Bias=1.36 $\tilde{N}$=2
Layer 10 R=-1.0 RMSE=0.97 MAE=0.75 Bias=-0.75 N=2
PR34
Layer 1 R=nan RMSE=0.07 MAE=0.07 Bias=0.07 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.73 MAE=0.73 Bias=0.73 $\tilde{N}$=1
HCB004
Layer 1 R=0.85 RMSE=3.2 MAE=2.53 Bias=0.13 $\tilde{N}$=12
Layer 10 R=0.28 RMSE=0.96 MAE=0.86 Bias=-0.86 $\tilde{N}$=11
GOR001
Layer 1 R=0.94 RMSE=1.42 MAE=1.07 Bias=1.07 $\tilde{N}$=9
Layer 10 R=1.0 RMSE=0.27 MAE=0.22 Bias=0.17 $\tilde{N}$=10
PR35
Layer 1 R=1.0 RMSE=0.91 MAE=0.82 Bias=0.41 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.44 MAE=0.42 Bias=0.42 $\tilde{N}$=2
PR38a
Layer 1 R=nan RMSE=0.92 MAE=0.92 Bias=0.92 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.09 MAE=0.08 Bias=0.08 $\tilde{N}$=2
PR36b
Layer 1 R=nan RMSE=1.51 MAE=1.51 Bias=1.51 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.21 MAE=0.21 Bias=0.21 $\tilde{N}$=1
PR36a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=0.37 MAE=0.37 Bias=-0.37 $\tilde{N}$=1
NSQ002
Layer 1 R=0.91 RMSE=1.6 MAE=1.23 Bias=0.53 $\tilde{N}$=9
Layer 10 R=0.99 RMSE=0.37 MAE=0.32 Bias=0.23 $\tilde{N}$=9
Temp C°
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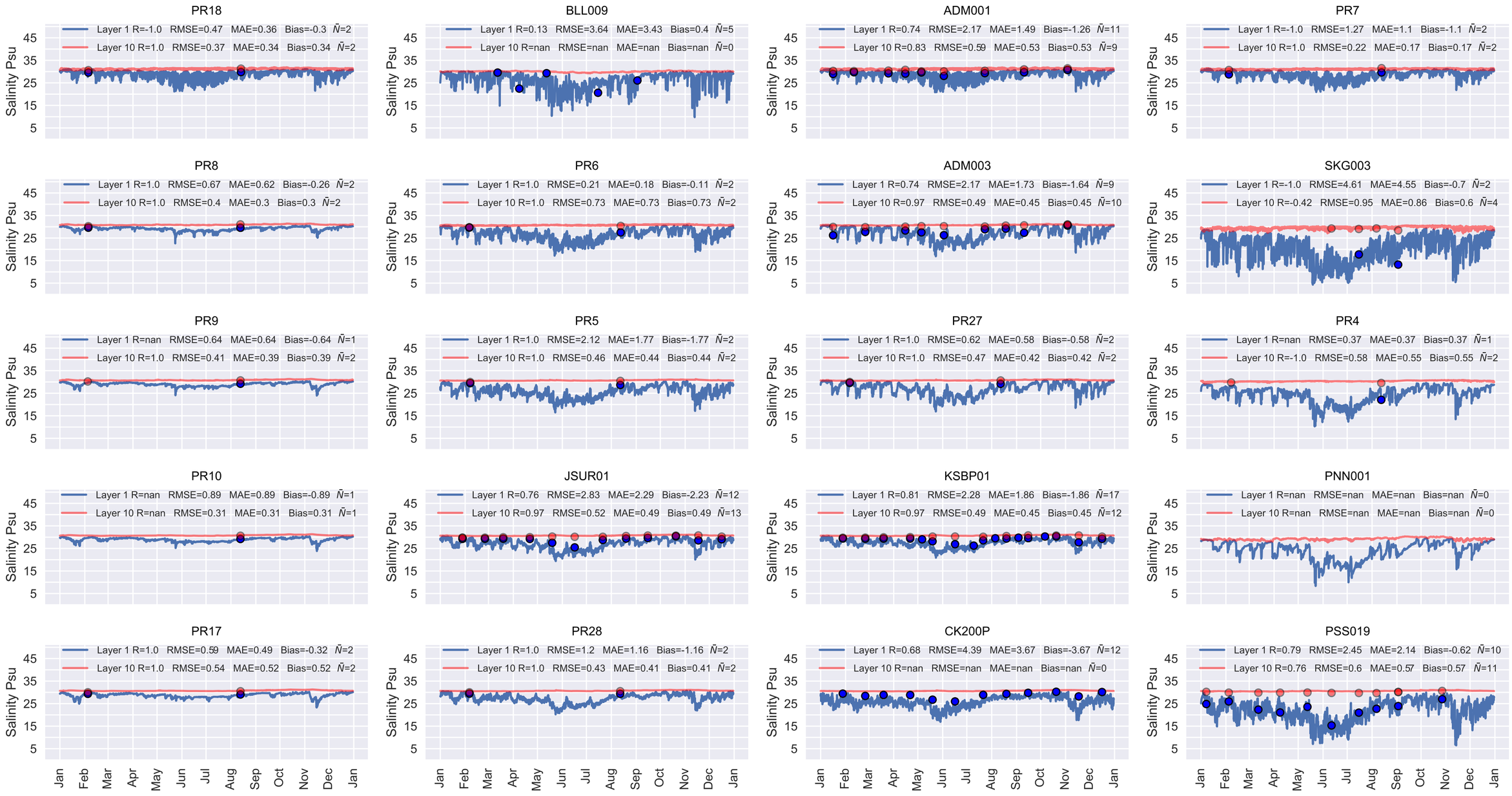

DNA001
Layer 1 R=0.89 RMSE=2.21 MAE=1.63 Bias=0.32 $\tilde{N}$=9
Layer 10 R=0.99 RMSE=0.34 MAE=0.28 Bias=-0.09 $\tilde{N}$=9
Temp C°
36
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OAK004
Layer 1 R=0.95 RMSE=3.58 MAE=2.69 Bias=-2.69 $\tilde{N}$=3
Layer 10 R=0.99 RMSE=0.6 MAE=0.54 Bias=-0.23 $\tilde{N}$=6
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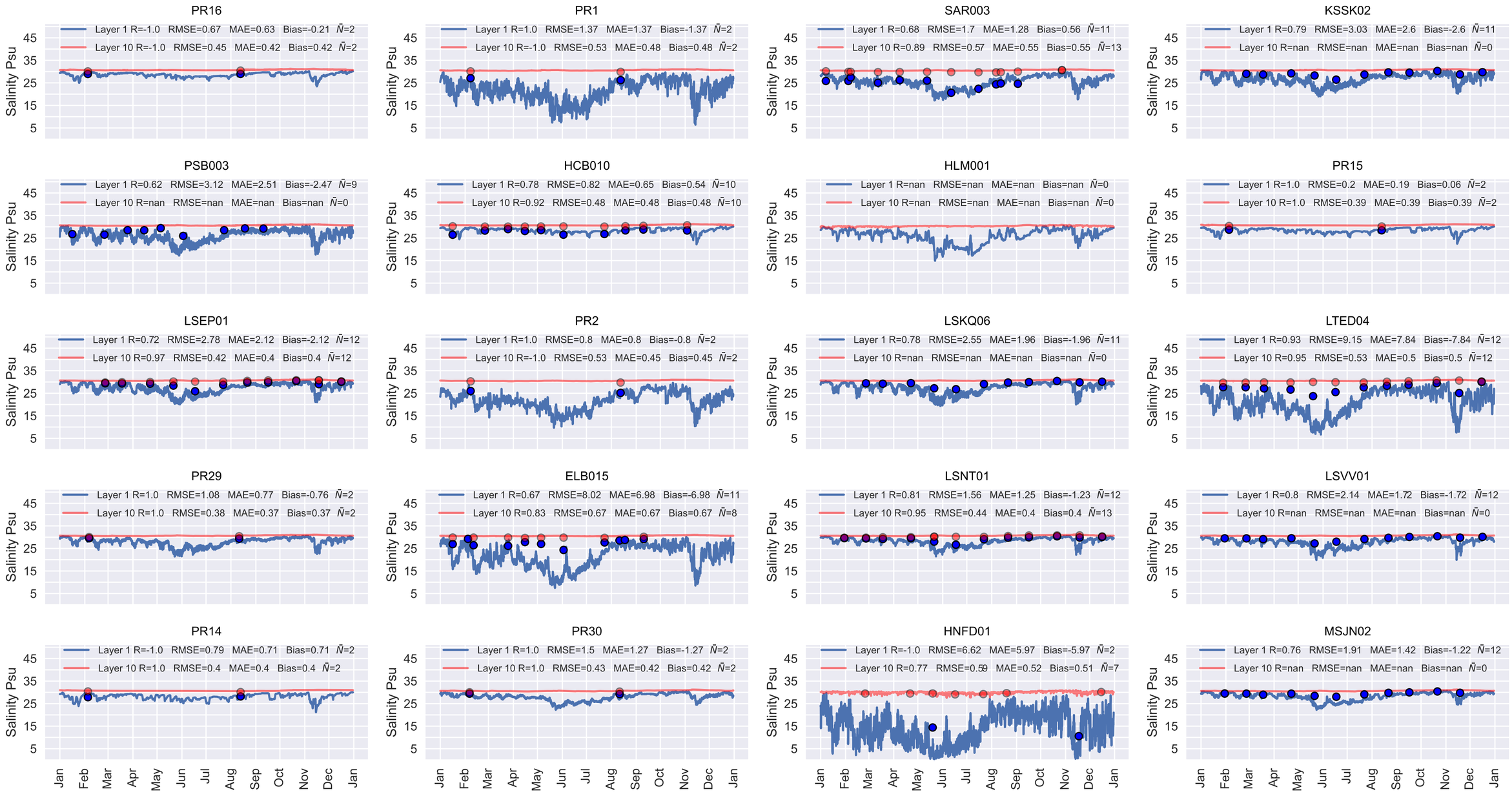

PR37a
Layer 1 R=nan RMSE=0.74 MAE=0.74 Bias=0.74 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.9 MAE=0.83 Bias=-0.34 $\tilde{N}$=2
Temp C°
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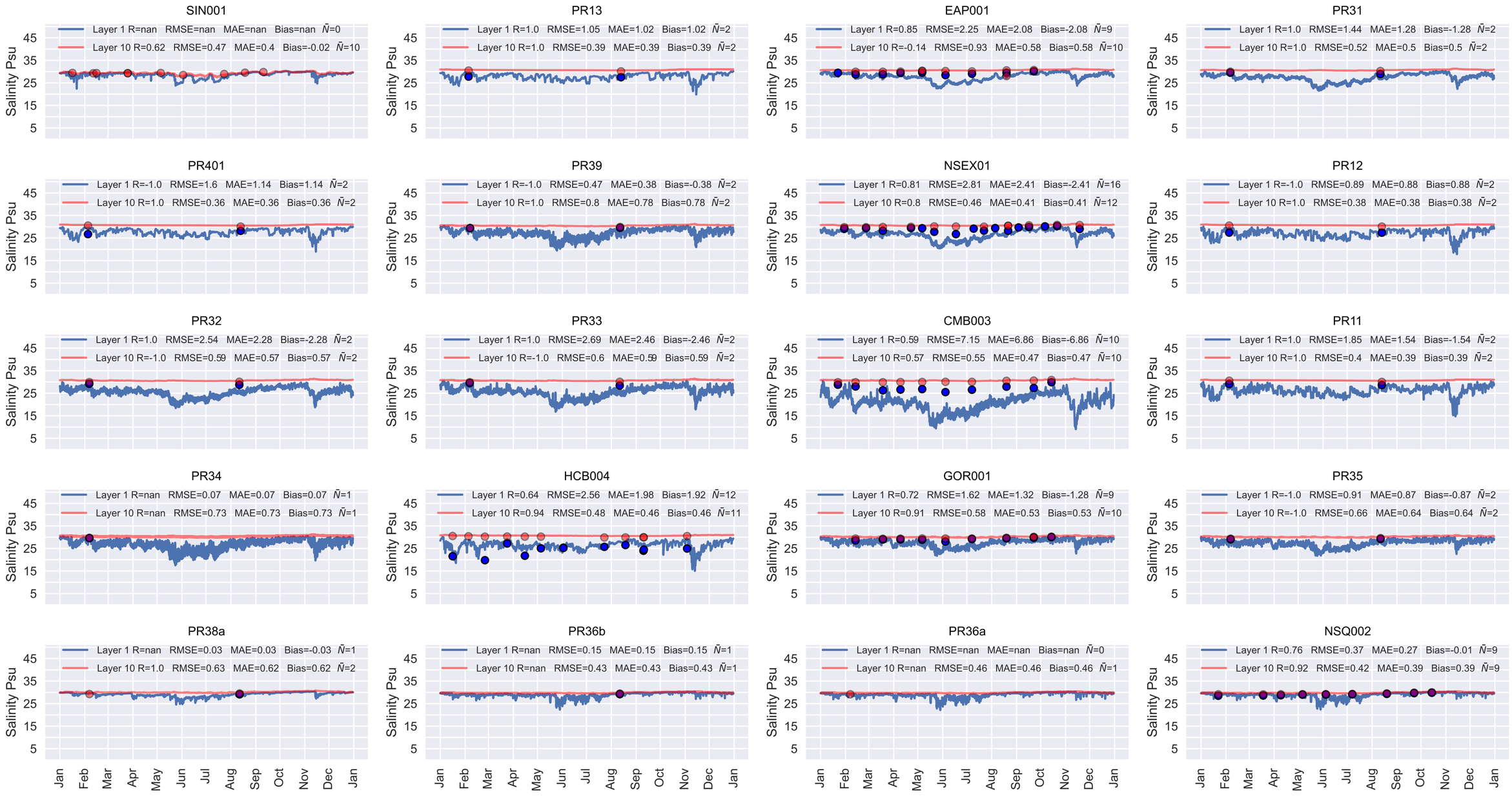

BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=0.94 RMSE=1.27 MAE=1.04 Bias=0.52 $\tilde{N}$=14
Temp C°
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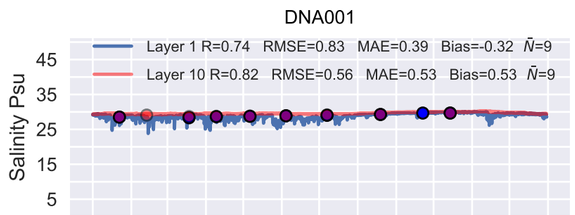

CSE002
Layer 1 R=0.97 RMSE=1.87 MAE=1.58 Bias=-1.58 $\tilde{N}$=3
Layer 10 R=0.76 RMSE=1.03 MAE=0.87 Bias=0.67 $\tilde{N}$=5
Temp C°
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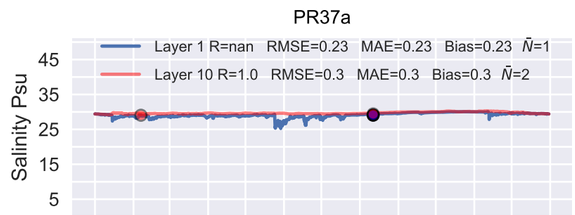

PR122
Layer 1 R=nan RMSE=1.64 MAE=1.64 Bias=-1.64 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.13 MAE=0.13 Bias=-0.13 $\tilde{N}$=1
PR123
Layer 1 R=nan RMSE=1.13 MAE=1.13 Bias=-1.13 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.29 MAE=0.29 Bias=-0.29 $\tilde{N}$=1
PR128
Layer 1 R=nan RMSE=1.94 MAE=1.94 Bias=-1.94 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.33 MAE=0.33 Bias=-0.33 $\tilde{N}$=1
PR131
Layer 1 R=nan RMSE=1.39 MAE=1.39 Bias=-1.39 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.41 MAE=0.41 Bias=-0.41 $\tilde{N}$=1
PR132
Layer 1 R=1.0 RMSE=2.56 MAE=2.56 Bias=-2.56 $\tilde{N}$=2
Layer 10 R=nan RMSE=0.41 MAE=0.41 Bias=-0.41 $\tilde{N}$=1
PR133
Layer 1 R=nan RMSE=11.3 MAE=11.3 Bias=11.3 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.52 MAE=0.52 Bias=-0.52 $\tilde{N}$=1
PR136b
Layer 1 R=nan RMSE=1.58 MAE=1.58 Bias=-1.58 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.4 MAE=0.4 Bias=-0.4 $\tilde{N}$=1
PR23
Layer 1 R=1.0 RMSE=1.26 MAE=0.93 Bias=-0.93 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.18 MAE=0.18 Bias=0.0 $\tilde{N}$=2
PR24
Layer 1 R=1.0 RMSE=1.59 MAE=1.21 Bias=-1.02 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.63 MAE=0.61 Bias=0.19 $\tilde{N}$=2
SJF002
Layer 1 R=0.86 RMSE=1.35 MAE=1.14 Bias=-1.11 $\tilde{N}$=9
Layer 10 R=0.8 RMSE=0.4 MAE=0.37 Bias=-0.33 $\tilde{N}$=9
PR22a
Layer 1 R=1.0 RMSE=0.54 MAE=0.44 Bias=-0.44 $\tilde{N}$=2
Layer 10 R=nan RMSE=0.26 MAE=0.26 Bias=-0.26 $\tilde{N}$=1
SJF001
Layer 1 R=0.84 RMSE=2.59 MAE=1.99 Bias=-1.89 $\tilde{N}$=9
Layer 10 R=0.56 RMSE=0.36 MAE=0.28 Bias=-0.08 $\tilde{N}$=10
PR25
Layer 1 R=1.0 RMSE=2.59 MAE=1.87 Bias=-1.79 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.65 MAE=0.63 Bias=0.12 $\tilde{N}$=2
SJF000
Layer 1 R=0.74 RMSE=2.29 MAE=1.87 Bias=-1.83 $\tilde{N}$=10
Layer 10 R=0.74 RMSE=0.38 MAE=0.35 Bias=-0.22 $\tilde{N}$=10
ADM002
Layer 1 R=0.5 RMSE=0.99 MAE=0.82 Bias=-0.76 $\tilde{N}$=7
Layer 10 R=0.52 RMSE=0.39 MAE=0.31 Bias=0.05 $\tilde{N}$=9
PR26
Layer 1 R=nan RMSE=3.57 MAE=3.57 Bias=-3.57 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.76 MAE=0.76 Bias=-0.03 $\tilde{N}$=2
GRG002
Layer 1 R=0.88 RMSE=3.48 MAE=3.11 Bias=-2.87 $\tilde{N}$=9
Layer 10 R=0.59 RMSE=0.5 MAE=0.45 Bias=0.45 $\tilde{N}$=8
PR20
Layer 1 R=nan RMSE=1.66 MAE=1.66 Bias=-1.66 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.61 MAE=0.61 Bias=0.61 $\tilde{N}$=1
PTH005
Layer 1 R=0.6 RMSE=0.74 MAE=0.53 Bias=-0.13 $\tilde{N}$=8
Layer 10 R=0.17 RMSE=0.41 MAE=0.31 Bias=0.31 $\tilde{N}$=13
PR19
Layer 1 R=-1.0 RMSE=0.34 MAE=0.28 Bias=0.2 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.65 MAE=0.63 Bias=0.63 $\tilde{N}$=2
Salinity Psu
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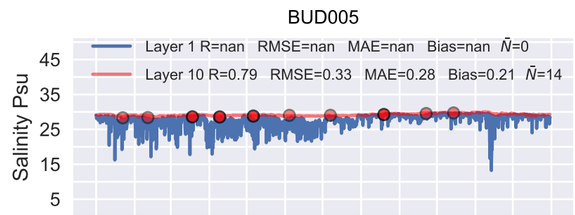

PR18
Layer 1 R=-1.0 RMSE=0.47 MAE=0.36 Bias=-0.3 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.37 MAE=0.34 Bias=0.34 $\bar{N}$=2
BLL009
Layer 1 R=0.13 RMSE=3.64 MAE=3.43 Bias=0.4 $\bar{N}$=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
ADM001
Layer 1 R=0.74 RMSE=2.17 MAE=1.49 Bias=-1.26 $\bar{N}$=11
Layer 10 R=0.83 RMSE=0.59 MAE=0.53 Bias=0.53 $\bar{N}$=9
PR7
Layer 1 R=-1.0 RMSE=1.27 MAE=1.1 Bias=-1.1 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.22 MAE=0.17 Bias=0.17 $\bar{N}$=2
PR8
Layer 1 R=1.0 RMSE=0.67 MAE=0.62 Bias=-0.26 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.4 MAE=0.3 Bias=0.3 $\bar{N}$=2
PR6
Layer 1 R=1.0 RMSE=0.21 MAE=0.18 Bias=-0.11 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.73 MAE=0.73 Bias=0.73 $\bar{N}$=2
ADM003
Layer 1 R=0.74 RMSE=2.17 MAE=1.73 Bias=-1.64 $\bar{N}$=9
Layer 10 R=0.97 RMSE=0.49 MAE=0.45 Bias=0.45 $\bar{N}$=10
SKG003
Layer 1 R=-1.0 RMSE=4.61 MAE=4.55 Bias=-0.7 $\bar{N}$=2
Layer 10 R=-0.42 RMSE=0.95 MAE=0.86 Bias=0.6 $\bar{N}$=4
PR9
Layer 1 R=nan RMSE=0.64 MAE=0.64 Bias=-0.64 $\bar{N}$=1
Layer 10 R=1.0 RMSE=0.41 MAE=0.39 Bias=0.39 $\bar{N}$=2
PR5
Layer 1 R=1.0 RMSE=2.12 MAE=1.77 Bias=-1.77 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.46 MAE=0.44 Bias=0.44 $\bar{N}$=2
PR27
Layer 1 R=1.0 RMSE=0.62 MAE=0.58 Bias=-0.58 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.47 MAE=0.42 Bias=0.42 $\bar{N}$=2
PR4
Layer 1 R=nan RMSE=0.37 MAE=0.37 Bias=0.37 $\bar{N}$=1
Layer 10 R=-1.0 RMSE=0.58 MAE=0.55 Bias=0.55 $\bar{N}$=2
PR10
Layer 1 R=nan RMSE=0.89 MAE=0.89 Bias=-0.89 $\bar{N}$=1
Layer 10 R=nan RMSE=0.31 MAE=0.31 Bias=0.31 $\bar{N}$=1
JSUR01
Layer 1 R=0.76 RMSE=2.83 MAE=2.29 Bias=-2.23 $\bar{N}$=12
Layer 10 R=0.97 RMSE=0.52 MAE=0.49 Bias=0.49 $\bar{N}$=13
KSBP01
Layer 1 R=0.81 RMSE=2.28 MAE=1.86 Bias=-1.86 $\bar{N}$=17
Layer 10 R=0.97 RMSE=0.49 MAE=0.45 Bias=0.45 $\bar{N}$=12
PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR17
Layer 1 R=1.0 RMSE=0.59 MAE=0.49 Bias=-0.32 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.54 MAE=0.52 Bias=0.52 $\bar{N}$=2
PR28
Layer 1 R=1.0 RMSE=1.2 MAE=1.16 Bias=-1.16 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.43 MAE=0.41 Bias=0.41 $\bar{N}$=2
CK200P
Layer 1 R=0.68 RMSE=4.39 MAE=3.67 Bias=-3.67 $\bar{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PSS019
Layer 1 R=0.79 RMSE=2.45 MAE=2.14 Bias=-0.62 $\bar{N}$=10
Layer 10 R=0.76 RMSE=0.6 MAE=0.57 Bias=0.57 $\bar{N}$=11
Salinity Psu
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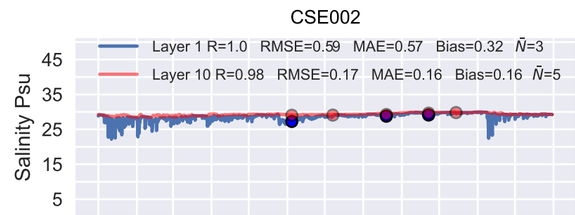

PR16
Layer 1 R=-1.0 RMSE=0.67 MAE=0.63 Bias=-0.21 $\tilde{N}$=2
Layer 10 R=-1.0 RMSE=0.45 MAE=0.42 Bias=0.42 $\tilde{N}$=2
PR1
Layer 1 R=1.0 RMSE=1.37 MAE=1.37 Bias=-1.37 $\tilde{N}$=2
Layer 10 R=-1.0 RMSE=0.53 MAE=0.48 Bias=0.48 $\tilde{N}$=2
SAR003
Layer 1 R=0.68 RMSE=1.7 MAE=1.28 Bias=0.56 $\tilde{N}$=11
Layer 10 R=0.89 RMSE=0.57 MAE=0.55 Bias=0.55 $\tilde{N}$=13
KSSK02
Layer 1 R=0.79 RMSE=3.03 MAE=2.6 Bias=-2.6 $\tilde{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PSB003
Layer 1 R=0.62 RMSE=3.12 MAE=2.51 Bias=-2.47 $\tilde{N}$=9
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
HCB010
Layer 1 R=0.78 RMSE=0.82 MAE=0.65 Bias=0.54 $\tilde{N}$=10
Layer 10 R=0.92 RMSE=0.48 MAE=0.48 Bias=0.48 $\tilde{N}$=10
HLM001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR15
Layer 1 R=1.0 RMSE=0.2 MAE=0.19 Bias=0.06 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.39 MAE=0.39 Bias=0.39 $\tilde{N}$=2
LSEP01
Layer 1 R=0.72 RMSE=2.78 MAE=2.12 Bias=-2.12 $\tilde{N}$=12
Layer 10 R=0.97 RMSE=0.42 MAE=0.4 Bias=0.4 $\tilde{N}$=12
PR2
Layer 1 R=1.0 RMSE=0.8 MAE=0.8 Bias=-0.8 $\tilde{N}$=2
Layer 10 R=-1.0 RMSE=0.53 MAE=0.45 Bias=0.45 $\tilde{N}$=2
LSKQ06
Layer 1 R=0.78 RMSE=2.55 MAE=1.96 Bias=-1.96 $\tilde{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LTED04
Layer 1 R=0.93 RMSE=9.15 MAE=7.84 Bias=-7.84 $\tilde{N}$=12
Layer 10 R=0.95 RMSE=0.53 MAE=0.5 Bias=0.5 $\tilde{N}$=12
PR29
Layer 1 R=1.0 RMSE=1.08 MAE=0.77 Bias=-0.76 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.38 MAE=0.37 Bias=0.37 $\tilde{N}$=2
ELB015
Layer 1 R=0.67 RMSE=8.02 MAE=6.98 Bias=-6.98 $\tilde{N}$=11
Layer 10 R=0.83 RMSE=0.67 MAE=0.67 Bias=0.67 $\tilde{N}$=8
LSNT01
Layer 1 R=0.81 RMSE=1.56 MAE=1.25 Bias=-1.23 $\tilde{N}$=12
Layer 10 R=0.95 RMSE=0.44 MAE=0.4 Bias=0.4 $\tilde{N}$=13
LSVV01
Layer 1 R=0.8 RMSE=2.14 MAE=1.72 Bias=-1.72 $\tilde{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR14
Layer 1 R=-1.0 RMSE=0.79 MAE=0.71 Bias=0.71 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.4 MAE=0.4 Bias=0.4 $\tilde{N}$=2
PR30
Layer 1 R=1.0 RMSE=1.5 MAE=1.27 Bias=-1.27 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.43 MAE=0.42 Bias=0.42 $\tilde{N}$=2
HNFD01
Layer 1 R=-1.0 RMSE=6.62 MAE=5.97 Bias=-5.97 $\tilde{N}$=2
Layer 10 R=0.77 RMSE=0.59 MAE=0.52 Bias=0.51 $\tilde{N}$=7
MSJN02
Layer 1 R=0.76 RMSE=1.91 MAE=1.42 Bias=-1.22 $\tilde{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Salinity Psu
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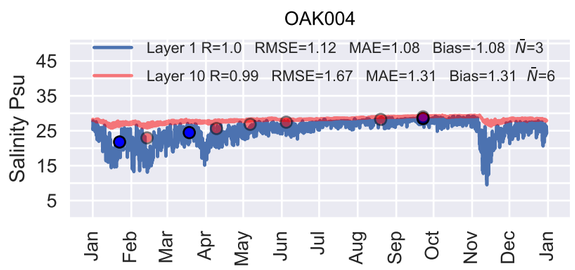

SIN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=0.62 RMSE=0.47 MAE=0.4 Bias=-0.02 $\bar{N}$=10
PR13
Layer 1 R=1.0 RMSE=1.05 MAE=1.02 Bias=1.02 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.39 MAE=0.39 Bias=0.39 $\bar{N}$=2
EAP001
Layer 1 R=0.85 RMSE=2.25 MAE=2.08 Bias=-2.08 $\bar{N}$=9
Layer 10 R=-0.14 RMSE=0.93 MAE=0.58 Bias=0.58 $\bar{N}$=10
PR31
Layer 1 R=1.0 RMSE=1.44 MAE=1.28 Bias=-1.28 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.52 MAE=0.5 Bias=0.5 $\bar{N}$=2
PR401
Layer 1 R=-1.0 RMSE=1.6 MAE=1.14 Bias=1.14 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.36 MAE=0.36 Bias=0.36 $\bar{N}$=2
PR39
Layer 1 R=-1.0 RMSE=0.47 MAE=0.38 Bias=-0.38 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.8 MAE=0.78 Bias=0.78 $\bar{N}$=2
NSEX01
Layer 1 R=0.81 RMSE=2.81 MAE=2.41 Bias=-2.41 $\bar{N}$=16
Layer 10 R=0.8 RMSE=0.46 MAE=0.41 Bias=0.41 $\bar{N}$=12
PR12
Layer 1 R=-1.0 RMSE=0.89 MAE=0.88 Bias=0.88 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.38 MAE=0.38 Bias=0.38 $\bar{N}$=2
PR32
Layer 1 R=1.0 RMSE=2.54 MAE=2.28 Bias=-2.28 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=0.59 MAE=0.57 Bias=0.57 $\bar{N}$=2
PR33
Layer 1 R=1.0 RMSE=2.69 MAE=2.46 Bias=-2.46 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=0.6 MAE=0.59 Bias=0.59 $\bar{N}$=2
CMB003
Layer 1 R=0.59 RMSE=7.15 MAE=6.86 Bias=-6.86 $\bar{N}$=10
Layer 10 R=0.57 RMSE=0.55 MAE=0.47 Bias=0.47 $\bar{N}$=10
PR11
Layer 1 R=1.0 RMSE=1.85 MAE=1.54 Bias=-1.54 $\bar{N}$=2
Layer 10 R=1.0 RMSE=0.4 MAE=0.39 Bias=0.39 $\bar{N}$=2
PR34
Layer 1 R=nan RMSE=0.07 MAE=0.07 Bias=0.07 $\bar{N}$=1
Layer 10 R=nan RMSE=0.73 MAE=0.73 Bias=0.73 $\bar{N}$=1
HCB004
Layer 1 R=0.64 RMSE=2.56 MAE=1.98 Bias=1.92 $\bar{N}$=12
Layer 10 R=0.94 RMSE=0.48 MAE=0.46 Bias=0.46 $\bar{N}$=11
GOR001
Layer 1 R=0.72 RMSE=1.62 MAE=1.32 Bias=-1.28 $\bar{N}$=9
Layer 10 R=0.91 RMSE=0.58 MAE=0.53 Bias=0.53 $\bar{N}$=10
PR35
Layer 1 R=-1.0 RMSE=0.91 MAE=0.87 Bias=-0.87 $\bar{N}$=2
Layer 10 R=-1.0 RMSE=0.66 MAE=0.64 Bias=0.64 $\bar{N}$=2
PR38a
Layer 1 R=nan RMSE=0.03 MAE=0.03 Bias=-0.03 $\bar{N}$=1
Layer 10 R=1.0 RMSE=0.63 MAE=0.62 Bias=0.62 $\bar{N}$=2
PR36b
Layer 1 R=nan RMSE=0.15 MAE=0.15 Bias=0.15 $\bar{N}$=1
Layer 10 R=nan RMSE=0.43 MAE=0.43 Bias=0.43 $\bar{N}$=1
PR36a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=0.46 MAE=0.46 Bias=0.46 $\bar{N}$=1
NSQ002
Layer 1 R=0.76 RMSE=0.37 MAE=0.27 Bias=-0.01 $\bar{N}$=9
Layer 10 R=0.92 RMSE=0.42 MAE=0.39 Bias=0.39 $\bar{N}$=9
Salinity Psu
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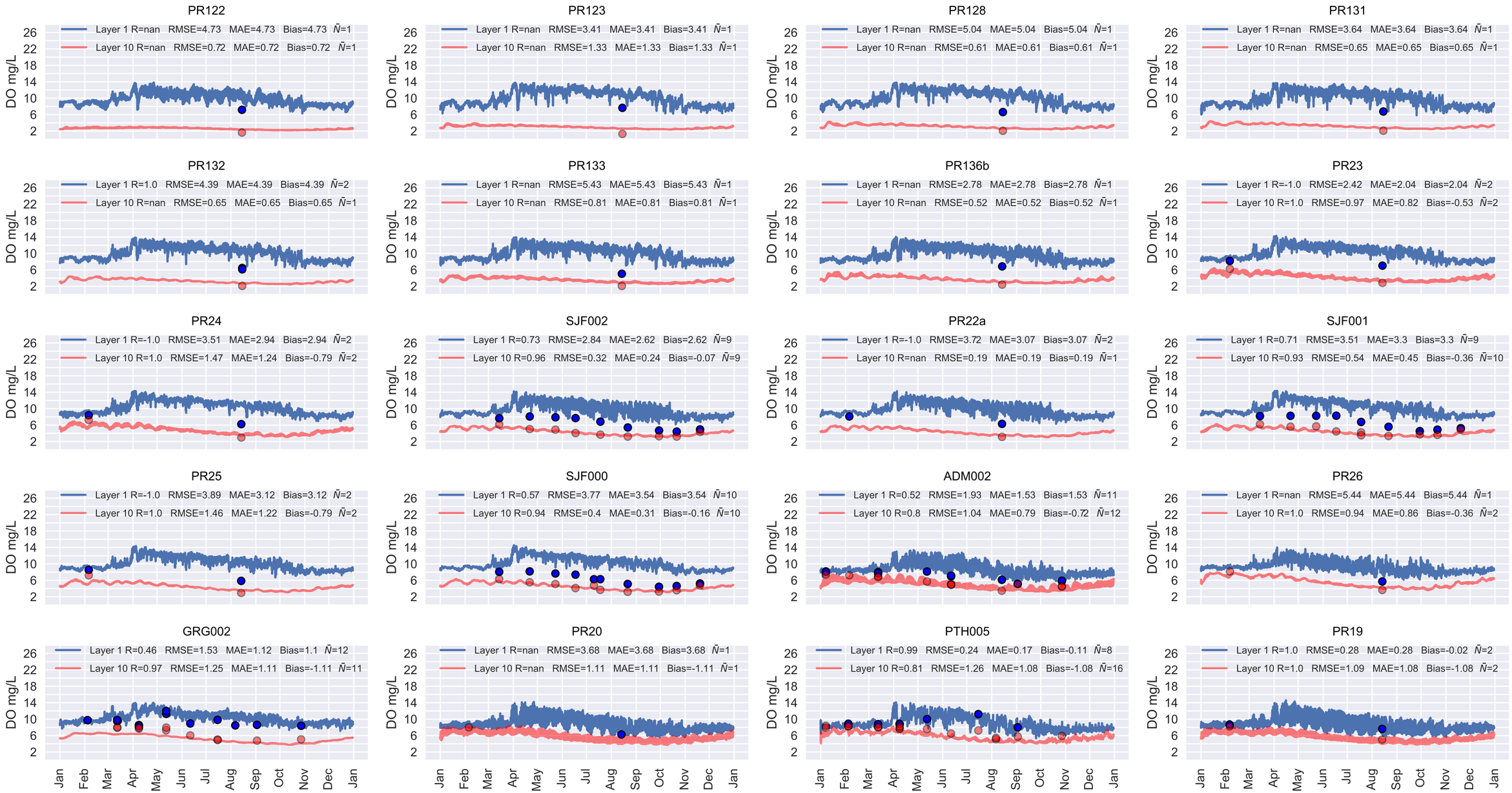

DNA001
Layer 1 R=0.74 RMSE=0.83 MAE=0.39 Bias=-0.32 $\tilde{N}$=9
Layer 10 R=0.82 RMSE=0.56 MAE=0.53 Bias=0.53 $\tilde{N}$=9
Salinity Psu
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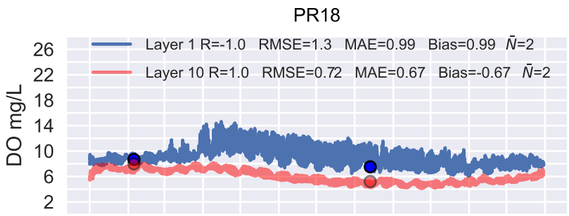

PR37a
Layer 1 R=nan RMSE=0.23 MAE=0.23 Bias=0.23 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.3 MAE=0.3 Bias=0.3 $\tilde{N}$=2
Salinity Psu
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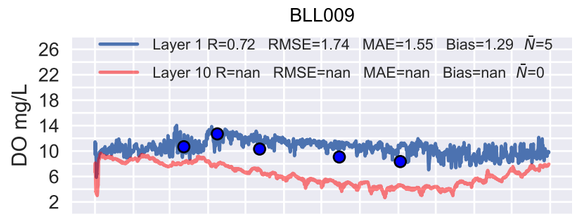

BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=0.79 RMSE=0.33 MAE=0.28 Bias=0.21 $\tilde{N}$=14
Salinity Psu
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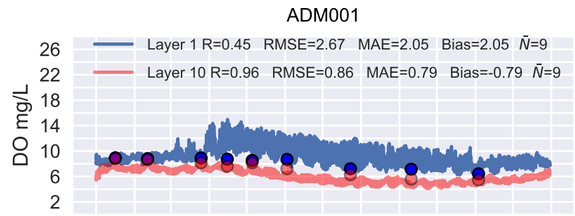

CSE002
Layer 1 R=1.0 RMSE=0.59 MAE=0.57 Bias=0.32 $\tilde{N}$=3
Layer 10 R=0.98 RMSE=0.17 MAE=0.16 Bias=0.16 $\tilde{N}$=5
Salinity Psu
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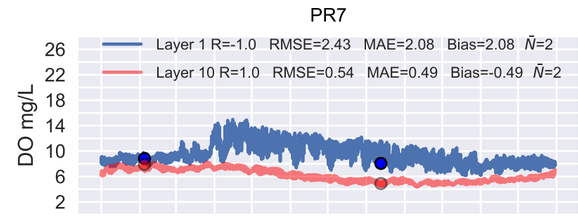

OAK004
Layer 1 R=1.0 RMSE=1.12 MAE=1.08 Bias=-1.08 $\tilde{N}$=3
Layer 10 R=0.99 RMSE=1.67 MAE=1.31 Bias=1.31 $\tilde{N}$=6
Salinity Psu
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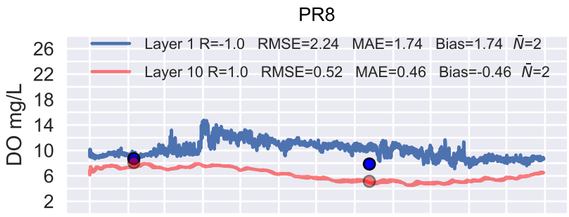

PR122
Layer 1 R=nan RMSE=4.73 MAE=4.73 Bias=4.73 Ñ=1
Layer 10 R=nan RMSE=0.72 MAE=0.72 Bias=0.72 Ñ=1
PR123
Layer 1 R=nan RMSE=3.41 MAE=3.41 Bias=3.41 Ñ=1
Layer 10 R=nan RMSE=1.33 MAE=1.33 Bias=1.33 Ñ=1
PR128
Layer 1 R=nan RMSE=5.04 MAE=5.04 Bias=5.04 Ñ=1
Layer 10 R=nan RMSE=0.61 MAE=0.61 Bias=0.61 Ñ=1
PR131
Layer 1 R=nan RMSE=3.64 MAE=3.64 Bias=3.64 Ñ=1
Layer 10 R=nan RMSE=0.65 MAE=0.65 Bias=0.65 Ñ=1
PR132
Layer 1 R=1.0 RMSE=4.39 MAE=4.39 Bias=4.39 Ñ=2
Layer 10 R=nan RMSE=0.65 MAE=0.65 Bias=0.65 Ñ=1
PR133
Layer 1 R=nan RMSE=5.43 MAE=5.43 Bias=5.43 Ñ=1
Layer 10 R=nan RMSE=0.81 MAE=0.81 Bias=0.81 Ñ=1
PR136b
Layer 1 R=nan RMSE=2.78 MAE=2.78 Bias=2.78 Ñ=1
Layer 10 R=nan RMSE=0.52 MAE=0.52 Bias=0.52 Ñ=1
PR23
Layer 1 R=-1.0 RMSE=2.42 MAE=2.04 Bias=2.04 Ñ=2
Layer 10 R=1.0 RMSE=0.97 MAE=0.82 Bias=-0.53 Ñ=2
PR24
Layer 1 R=-1.0 RMSE=3.51 MAE=2.94 Bias=2.94 Ñ=2
Layer 10 R=1.0 RMSE=1.47 MAE=1.24 Bias=-0.79 Ñ=2
SJF002
Layer 1 R=0.73 RMSE=2.84 MAE=2.62 Bias=2.62 Ñ=9
Layer 10 R=0.96 RMSE=0.32 MAE=0.24 Bias=-0.07 Ñ=9
PR22a
Layer 1 R=-1.0 RMSE=3.72 MAE=3.07 Bias=3.07 Ñ=2
Layer 10 R=nan RMSE=0.19 MAE=0.19 Bias=0.19 Ñ=1
SJF001
Layer 1 R=0.71 RMSE=3.51 MAE=3.3 Bias=3.3 Ñ=9
Layer 10 R=0.93 RMSE=0.54 MAE=0.45 Bias=-0.36 Ñ=10
PR25
Layer 1 R=-1.0 RMSE=3.89 MAE=3.12 Bias=3.12 Ñ=2
Layer 10 R=1.0 RMSE=1.46 MAE=1.22 Bias=-0.79 Ñ=2
SJF000
Layer 1 R=0.57 RMSE=3.77 MAE=3.54 Bias=3.54 Ñ=10
Layer 10 R=0.94 RMSE=0.4 MAE=0.31 Bias=-0.16 Ñ=10
ADM002
Layer 1 R=0.52 RMSE=1.93 MAE=1.53 Bias=1.53 Ñ=11
Layer 10 R=0.8 RMSE=1.04 MAE=0.79 Bias=-0.72 Ñ=12
PR26
Layer 1 R=nan RMSE=5.44 MAE=5.44 Bias=5.44 Ñ=1
Layer 10 R=1.0 RMSE=0.94 MAE=0.86 Bias=-0.36 Ñ=2
GRG002
Layer 1 R=0.46 RMSE=1.53 MAE=1.12 Bias=1.1 Ñ=12
Layer 10 R=0.97 RMSE=1.25 MAE=1.11 Bias=-1.11 Ñ=11
PR20
Layer 1 R=nan RMSE=3.68 MAE=3.68 Bias=3.68 Ñ=1
Layer 10 R=nan RMSE=1.11 MAE=1.11 Bias=-1.11 Ñ=1
PTH005
Layer 1 R=0.99 RMSE=0.24 MAE=0.17 Bias=-0.11 Ñ=8
Layer 10 R=0.81 RMSE=1.26 MAE=1.08 Bias=-1.08 Ñ=16
PR19
Layer 1 R=1.0 RMSE=0.28 MAE=0.28 Bias=-0.02 Ñ=2
Layer 10 R=1.0 RMSE=1.09 MAE=1.08 Bias=-1.08 Ñ=2
DO mg/L
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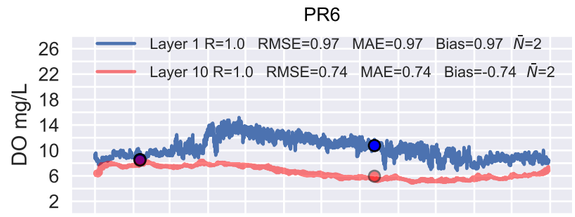

PR18
Layer 1 R=-1.0 RMSE=1.3 MAE=0.99 Bias=0.99 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.72 MAE=0.67 Bias=-0.67 $\tilde{N}$=2
DO mg/L

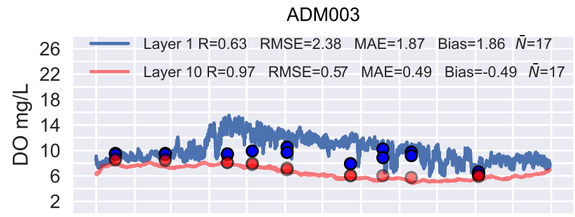

BLL009
Layer 1 R=0.72 RMSE=1.74 MAE=1.55 Bias=1.29 $\tilde{N}$=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
DO mg/L

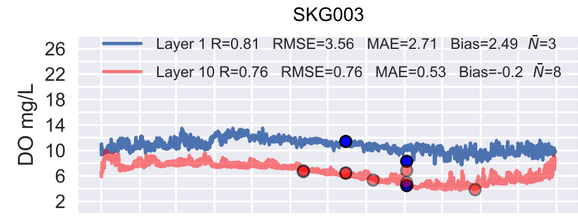

ADM001
Layer 1 R=0.45 RMSE=2.67 MAE=2.05 Bias=2.05 $\tilde{N}$=9
Layer 10 R=0.96 RMSE=0.86 MAE=0.79 Bias=-0.79 $\tilde{N}$=9
DO mg/L

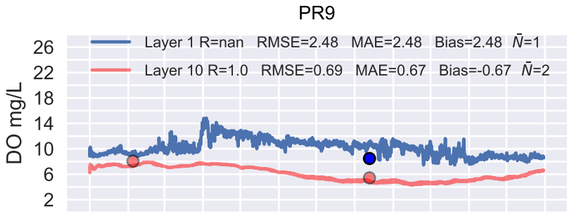

PR7
Layer 1 R=-1.0 RMSE=2.43 MAE=2.08 Bias=2.08 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.54 MAE=0.49 Bias=-0.49 $\tilde{N}$=2
DO mg/L

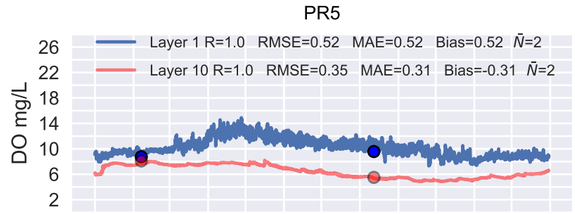

PR8
Layer 1 R=-1.0 RMSE=2.24 MAE=1.74 Bias=1.74 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.52 MAE=0.46 Bias=-0.46 $\tilde{N}$=2
DO mg/L

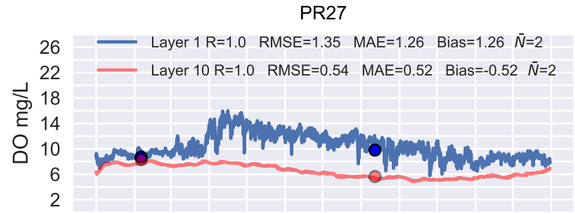

PR6
Layer 1 R=1.0 RMSE=0.97 MAE=0.97 Bias=0.97 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.74 MAE=0.74 Bias=-0.74 $\tilde{N}$=2
DO mg/L

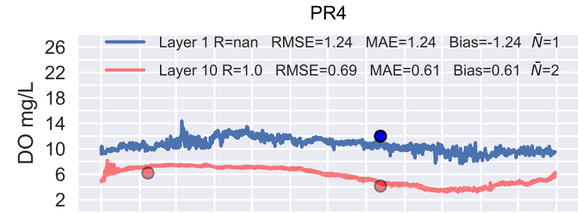

ADM003
Layer 1 R=0.63 RMSE=2.38 MAE=1.87 Bias=1.86 $\tilde{N}$=17
Layer 10 R=0.97 RMSE=0.57 MAE=0.49 Bias=-0.49 $\tilde{N}$=17
DO mg/L

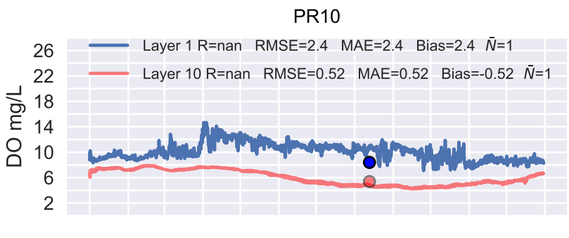

SKG003
Layer 1 R=0.81 RMSE=3.56 MAE=2.71 Bias=2.49 $\tilde{N}$=3
Layer 10 R=0.76 RMSE=0.76 MAE=0.53 Bias=-0.2 $\tilde{N}$=8
DO mg/L

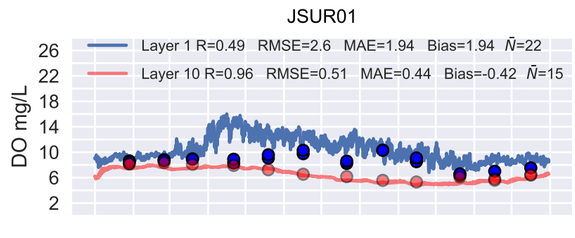

PR9
Layer 1 R=nan RMSE=2.48 MAE=2.48 Bias=2.48 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.69 MAE=0.67 Bias=-0.67 $\tilde{N}$=2
DO mg/L

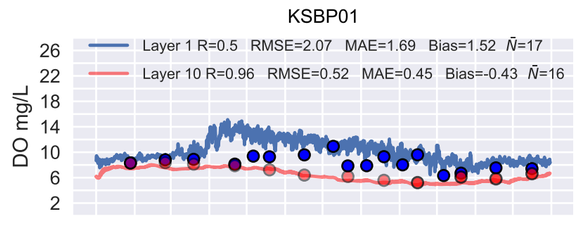

PR5
Layer 1 R=1.0 RMSE=0.52 MAE=0.52 Bias=0.52 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.35 MAE=0.31 Bias=-0.31 $\tilde{N}$=2
DO mg/L

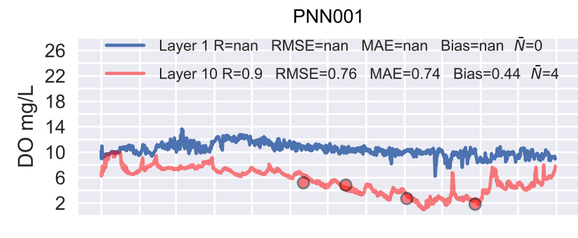

PR27
Layer 1 R=1.0 RMSE=1.35 MAE=1.26 Bias=1.26 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.54 MAE=0.52 Bias=-0.52 $\tilde{N}$=2
DO mg/L

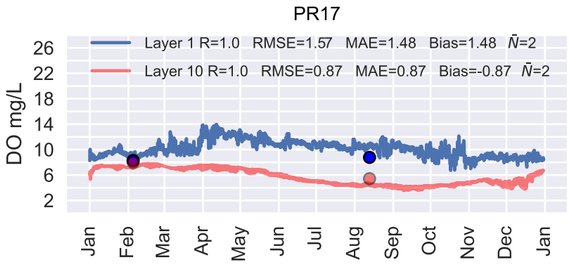

PR4
Layer 1 R=nan RMSE=1.24 MAE=1.24 Bias=-1.24 $\tilde{N}$=1
Layer 10 R=1.0 RMSE=0.69 MAE=0.61 Bias=0.61 $\tilde{N}$=2
DO mg/L

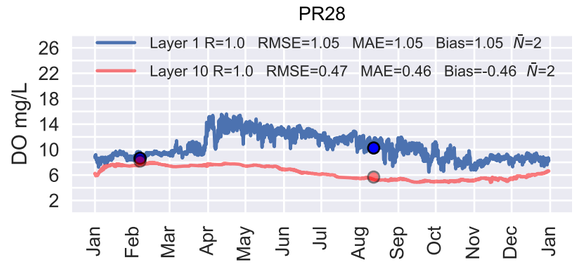

PR10
Layer 1 R=nan RMSE=2.4 MAE=2.4 Bias=2.4 $\tilde{N}$=1
Layer 10 R=nan RMSE=0.52 MAE=0.52 Bias=-0.52 $\tilde{N}$=1
DO mg/L

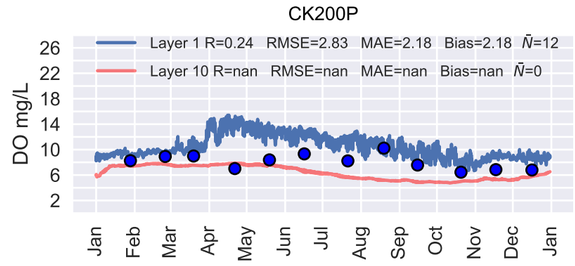

JSUR01
Layer 1 R=0.49 RMSE=2.6 MAE=1.94 Bias=1.94 $\tilde{N}$=22
Layer 10 R=0.96 RMSE=0.51 MAE=0.44 Bias=-0.42 $\tilde{N}$=15
DO mg/L

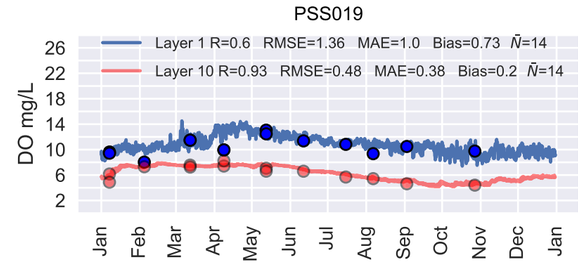

KSBP01
Layer 1 R=0.5 RMSE=2.07 MAE=1.69 Bias=1.52 $\tilde{N}$=17
Layer 10 R=0.96 RMSE=0.52 MAE=0.45 Bias=-0.43 $\tilde{N}$=16
DO mg/L

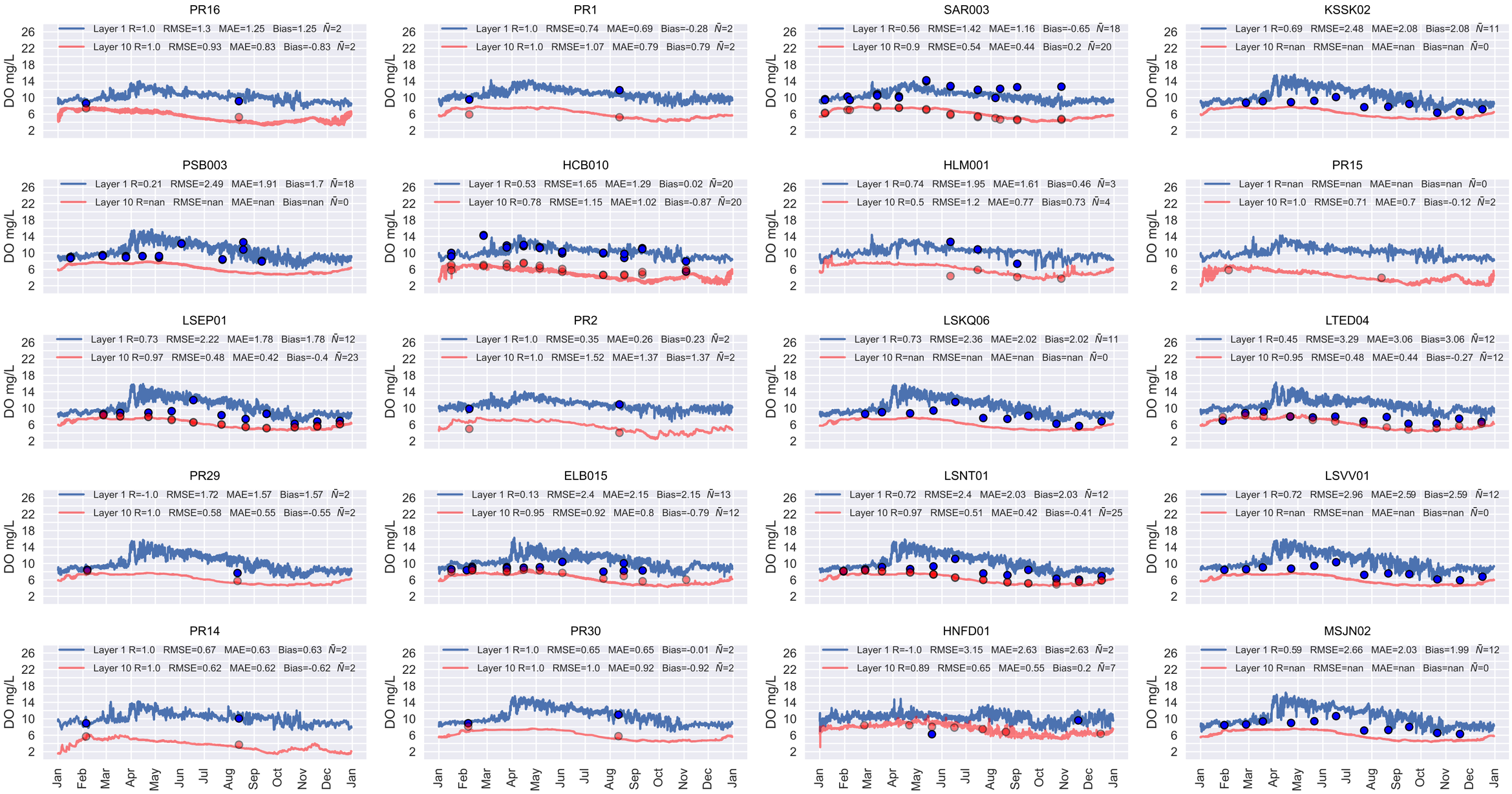

PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=0.9 RMSE=0.76 MAE=0.74 Bias=0.44 $\tilde{N}$=4
DO mg/L


PR17
Layer 1 R=1.0 RMSE=1.57 MAE=1.48 Bias=1.48 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.87 MAE=0.87 Bias=-0.87 $\tilde{N}$=2
DO mg/L
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan

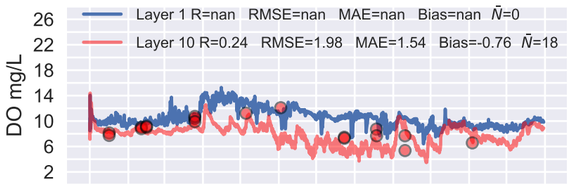

PR28
Layer 1 R=1.0 RMSE=1.05 MAE=1.05 Bias=1.05 $\tilde{N}$=2
Layer 10 R=1.0 RMSE=0.47 MAE=0.46 Bias=-0.46 $\tilde{N}$=2
DO mg/L
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan


CK200P
Layer 1 R=0.24 RMSE=2.83 MAE=2.18 Bias=2.18 $\tilde{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
DO mg/L
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan

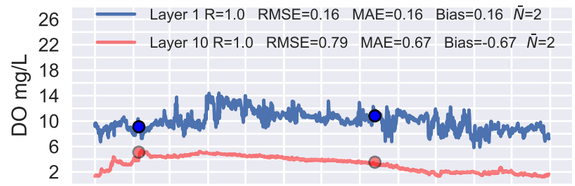

PSS019
Layer 1 R=0.6 RMSE=1.36 MAE=1.0 Bias=0.73 $\tilde{N}$=14
Layer 10 R=0.93 RMSE=0.48 MAE=0.38 Bias=0.2 $\tilde{N}$=14
DO mg/L
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan


PR16
Layer 1 R=1.0 RMSE=1.3 MAE=1.25 Bias=1.25 Ñ=2
Layer 10 R=1.0 RMSE=0.93 MAE=0.83 Bias=-0.83 Ñ=2
PR1
Layer 1 R=1.0 RMSE=0.74 MAE=0.69 Bias=-0.28 Ñ=2
Layer 10 R=1.0 RMSE=1.07 MAE=0.79 Bias=0.79 Ñ=2
SAR003
Layer 1 R=0.56 RMSE=1.42 MAE=1.16 Bias=-0.65 Ñ=18
Layer 10 R=0.9 RMSE=0.54 MAE=0.44 Bias=0.2 Ñ=20
KSSK02
Layer 1 R=0.69 RMSE=2.48 MAE=2.08 Bias=2.08 Ñ=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan Ñ=0
PSB003
Layer 1 R=0.21 RMSE=2.49 MAE=1.91 Bias=1.7 Ñ=18
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan Ñ=0
HCB010
Layer 1 R=0.53 RMSE=1.65 MAE=1.29 Bias=0.02 Ñ=20
Layer 10 R=0.78 RMSE=1.15 MAE=1.02 Bias=-0.87 Ñ=20
HLM001
Layer 1 R=0.74 RMSE=1.95 MAE=1.61 Bias=0.46 Ñ=3
Layer 10 R=0.5 RMSE=1.2 MAE=0.77 Bias=0.73 Ñ=4
PR15
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan Ñ=0
Layer 10 R=1.0 RMSE=0.71 MAE=0.7 Bias=-0.12 Ñ=2
LSEP01
Layer 1 R=0.73 RMSE=2.22 MAE=1.78 Bias=1.78 Ñ=12
Layer 10 R=0.97 RMSE=0.48 MAE=0.42 Bias=-0.4 Ñ=23
PR2
Layer 1 R=1.0 RMSE=0.35 MAE=0.26 Bias=0.23 Ñ=2
Layer 10 R=1.0 RMSE=1.52 MAE=1.37 Bias=1.37 Ñ=2
LSKQ06
Layer 1 R=0.73 RMSE=2.36 MAE=2.02 Bias=2.02 Ñ=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan Ñ=0
LTED04
Layer 1 R=0.45 RMSE=3.29 MAE=3.06 Bias=3.06 Ñ=12
Layer 10 R=0.95 RMSE=0.48 MAE=0.44 Bias=-0.27 Ñ=12
PR29
Layer 1 R=-1.0 RMSE=1.72 MAE=1.57 Bias=1.57 Ñ=2
Layer 10 R=1.0 RMSE=0.58 MAE=0.55 Bias=-0.55 Ñ=2
ELB015
Layer 1 R=0.13 RMSE=2.4 MAE=2.15 Bias=2.15 Ñ=13
Layer 10 R=0.95 RMSE=0.92 MAE=0.8 Bias=-0.79 Ñ=12
LSNT01
Layer 1 R=0.72 RMSE=2.4 MAE=2.03 Bias=2.03 Ñ=12
Layer 10 R=0.97 RMSE=0.51 MAE=0.42 Bias=-0.41 Ñ=25
LSVV01
Layer 1 R=0.72 RMSE=2.96 MAE=2.59 Bias=2.59 Ñ=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan Ñ=0
PR14
Layer 1 R=1.0 RMSE=0.67 MAE=0.63 Bias=0.63 Ñ=2
Layer 10 R=1.0 RMSE=0.62 MAE=0.62 Bias=-0.62 Ñ=2
PR30
Layer 1 R=1.0 RMSE=0.65 MAE=0.65 Bias=-0.01 Ñ=2
Layer 10 R=1.0 RMSE=1.0 MAE=0.92 Bias=-0.92 Ñ=2
HNFD01
Layer 1 R=-1.0 RMSE=3.15 MAE=2.63 Bias=2.63 Ñ=2
Layer 10 R=0.89 RMSE=0.65 MAE=0.55 Bias=0.2 Ñ=7
MSJN02
Layer 1 R=0.59 RMSE=2.66 MAE=2.03 Bias=1.99 Ñ=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan Ñ=0
DO mg/L
26
22
18
14
10
6
2
Jan
Feb
Mar
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Nov
Dec
Jan

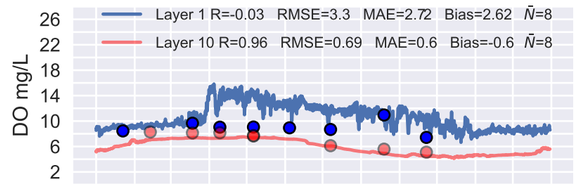
SIN001



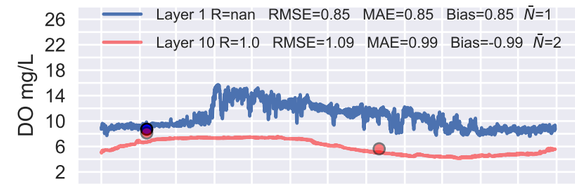
PR13



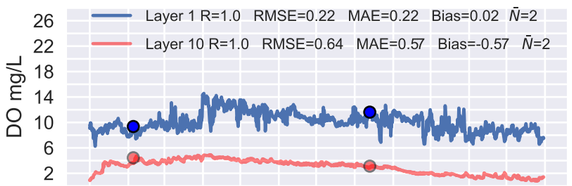
EAP001



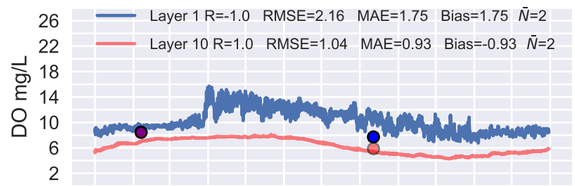
PR31



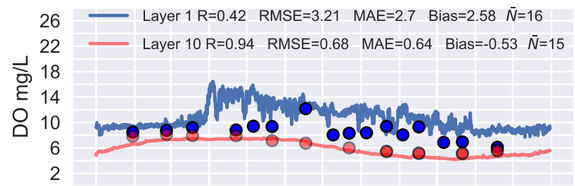
PR401



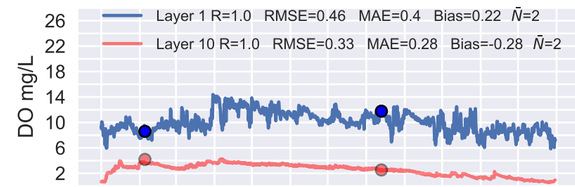
PR39



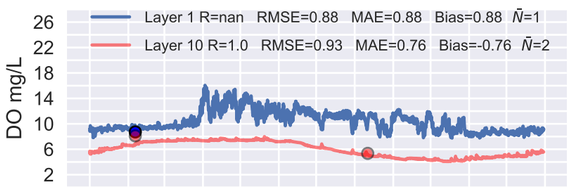
NSEX01



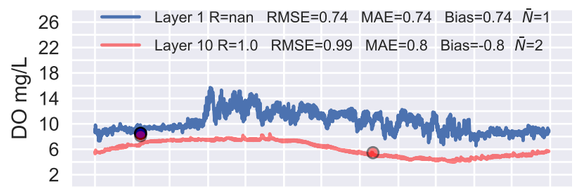
PR12



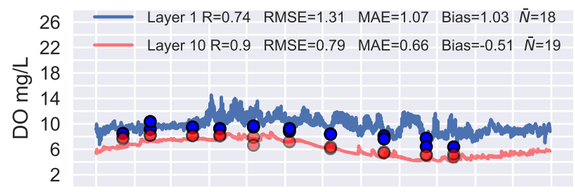
PR32



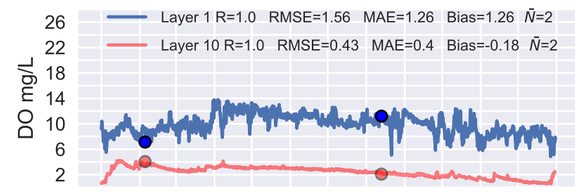
PR33



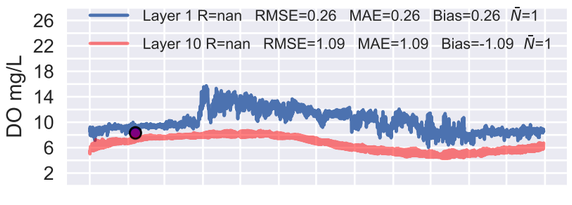
CMB003



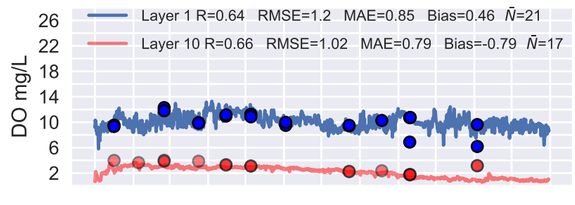
PR11



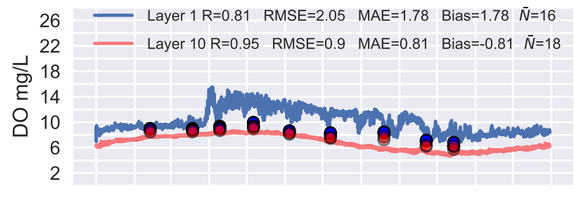
PR34



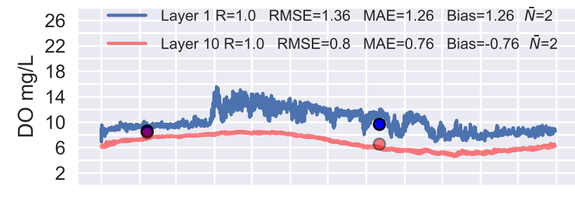
HCB004



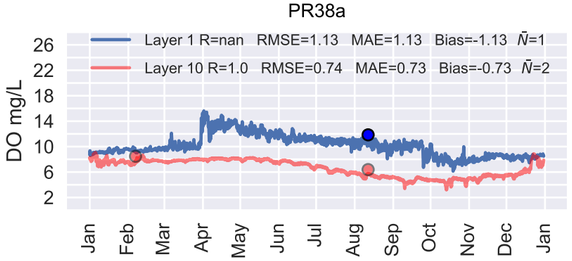
GOR001



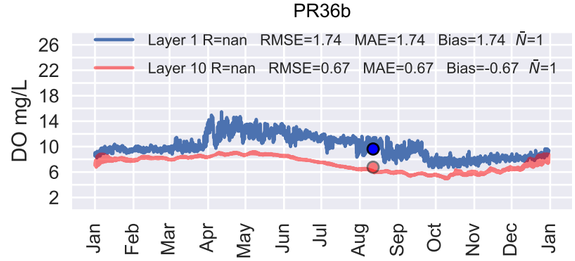
PR35



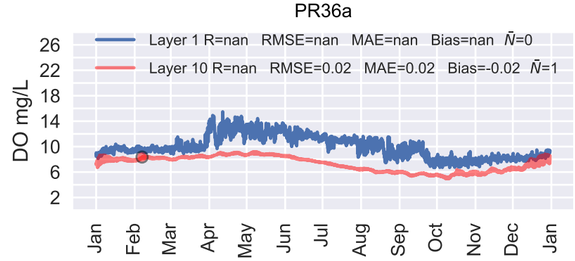
PR38a



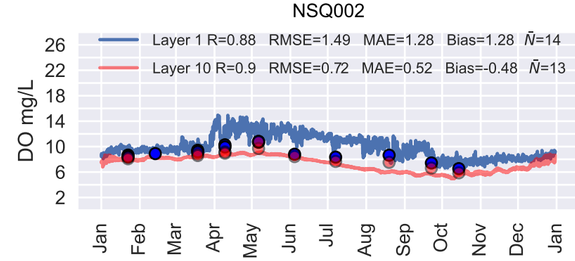
PR36b

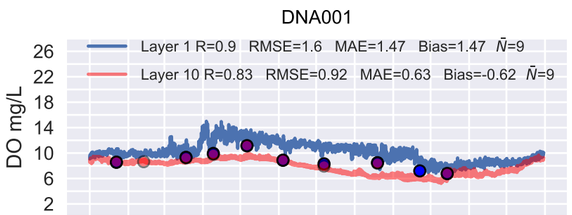


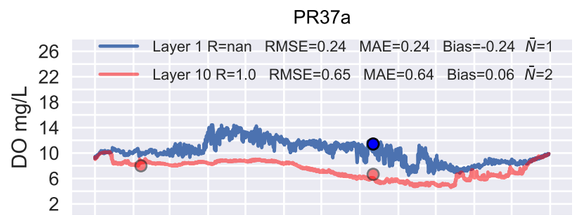
PR36a

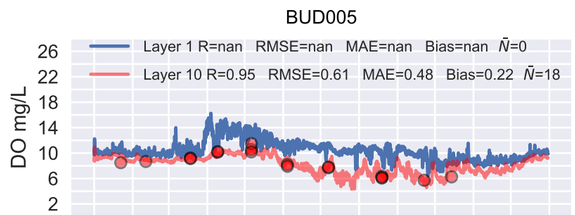


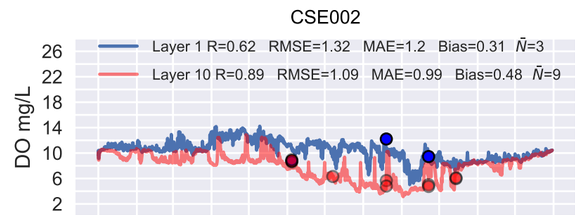
NSQ002

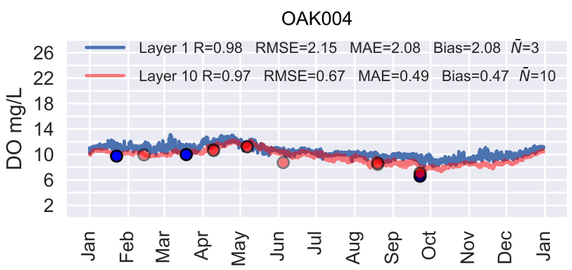


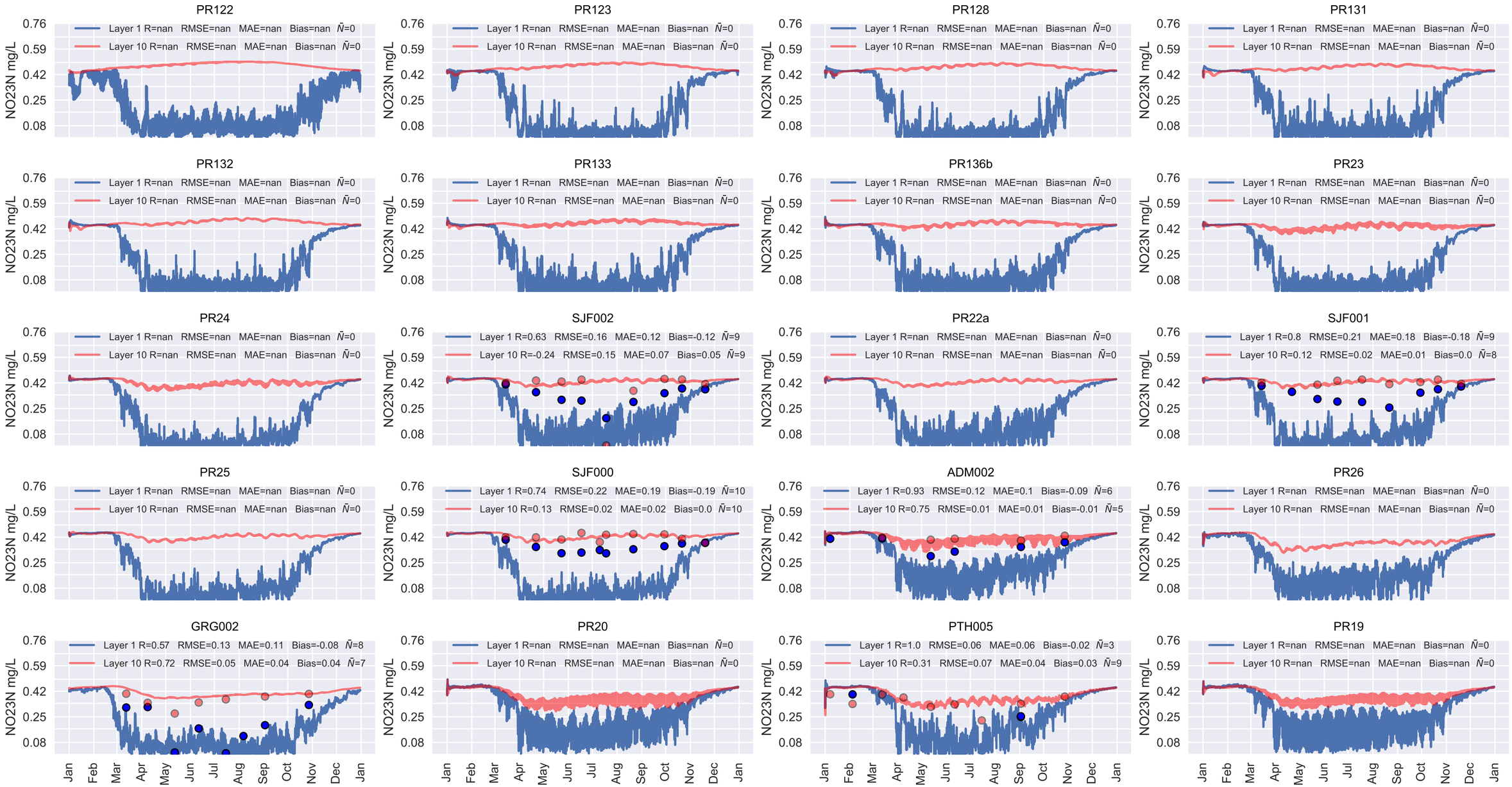

DNA001
Layer 1 R=0.9 RMSE=1.6 MAE=1.47 Bias=1.47 $\bar{N}$=9
Layer 10 R=0.83 RMSE=0.92 MAE=0.63 Bias=-0.62 $\bar{N}$=9
DO mg/L
26
22
18
14
10
6
2

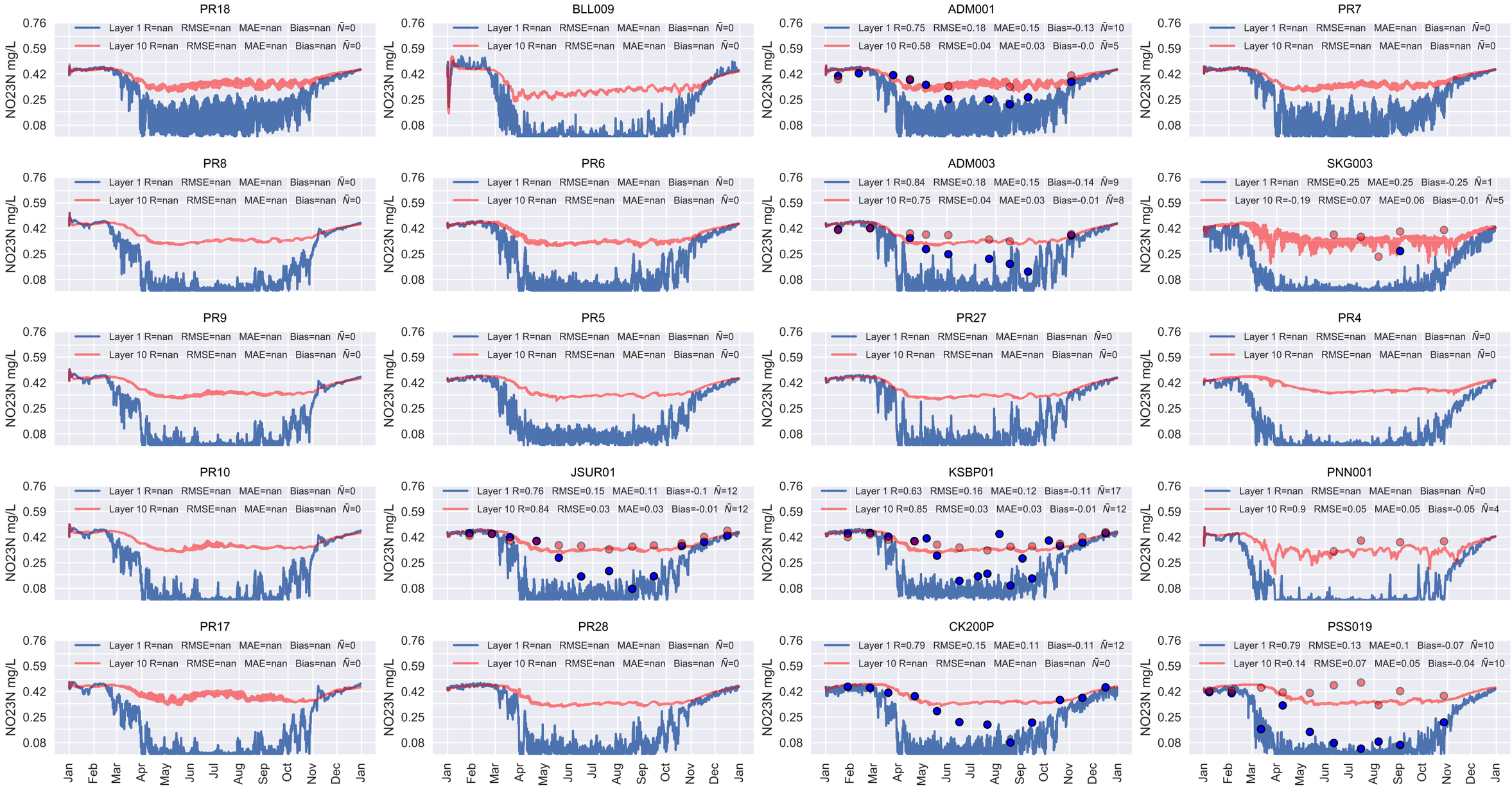

PR37a
Layer 1 R=nan RMSE=0.24 MAE=0.24 Bias=-0.24 $\bar{N}$=1
Layer 10 R=1.0 RMSE=0.65 MAE=0.64 Bias=0.06 $\bar{N}$=2
DO mg/L
26
22
18
14
10
6
2
Jan
Feb
Mar
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May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

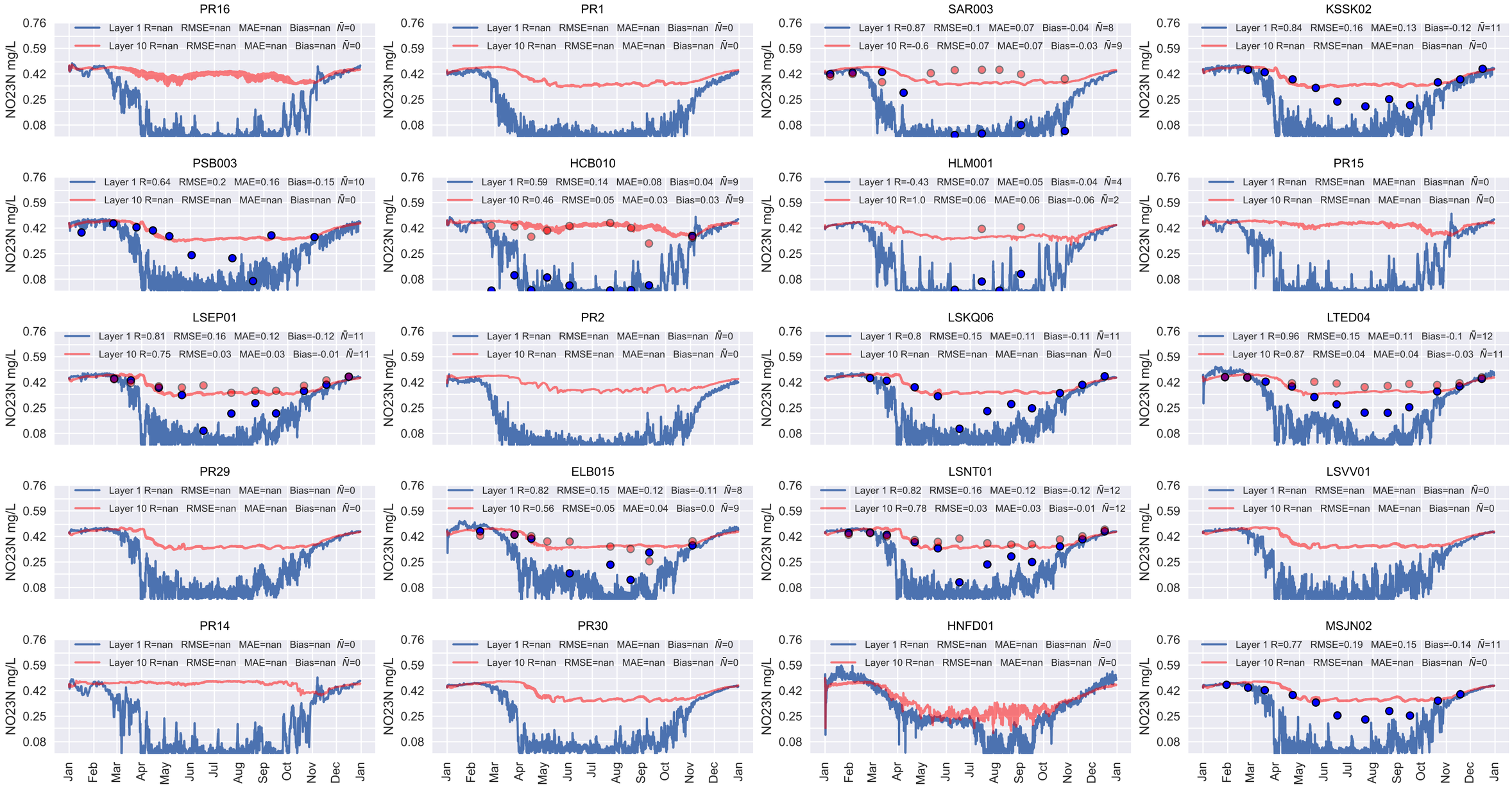

BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=0.95 RMSE=0.61 MAE=0.48 Bias=0.22 $\bar{N}$=18
DO mg/L
26
22
18
14
10
6
2

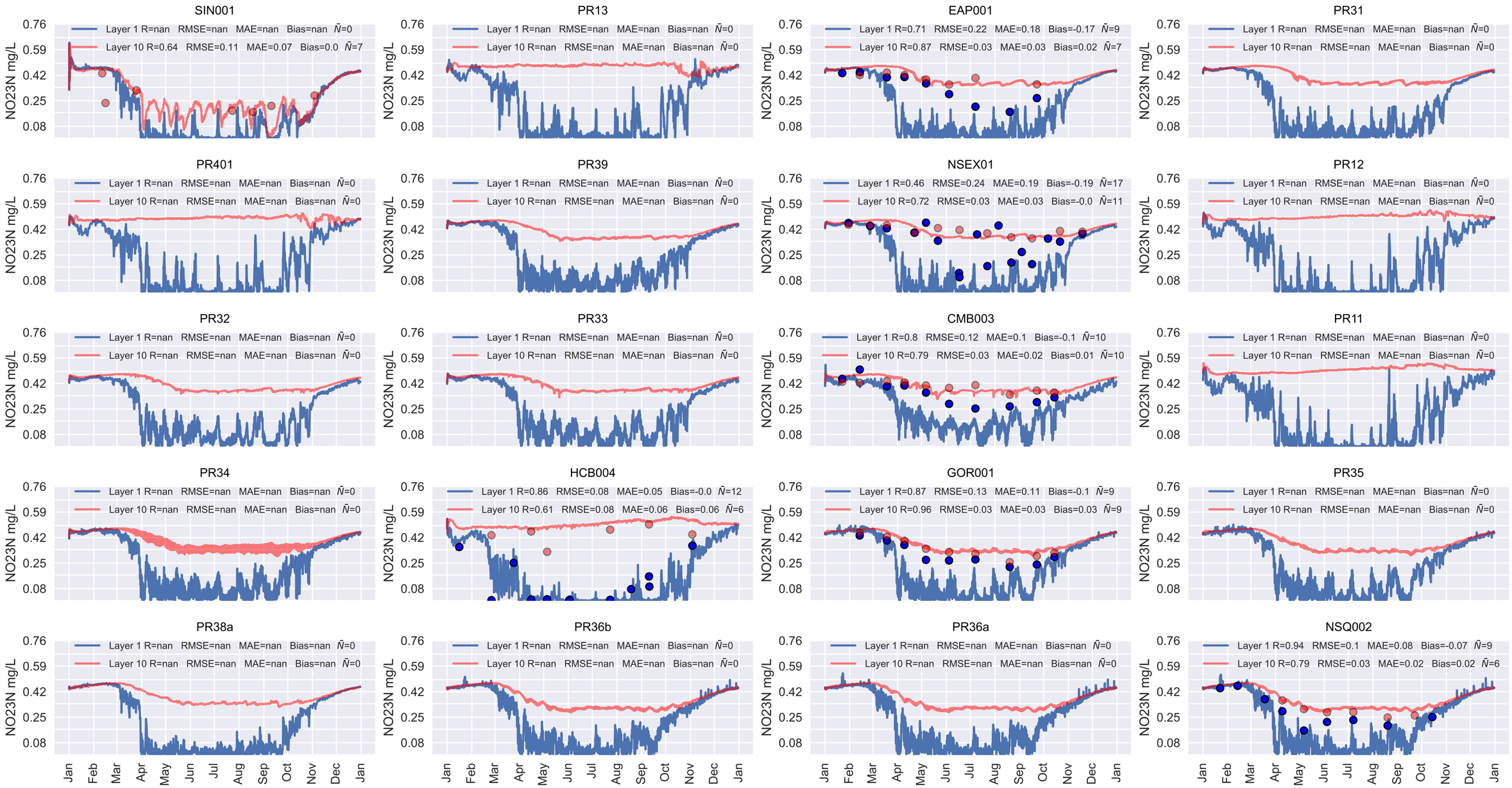

CSE002
Layer 1 R=0.62 RMSE=1.32 MAE=1.2 Bias=0.31 $\bar{N}$=3
Layer 10 R=0.89 RMSE=1.09 MAE=0.99 Bias=0.48 $\bar{N}$=9
DO mg/L
26
22
18
14
10
6
2

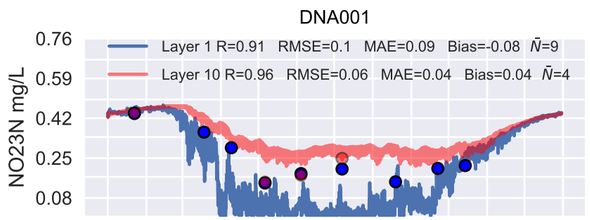

OAK004
Layer 1 R=0.98 RMSE=2.15 MAE=2.08 Bias=2.08 $\bar{N}$=3
Layer 10 R=0.97 RMSE=0.67 MAE=0.49 Bias=0.47 $\bar{N}$=10
DO mg/L
26
22
18
14
10
6
2
Jan
Feb
Mar
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May
Jun
Jul
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Sep
Oct
Nov
Dec
Jan

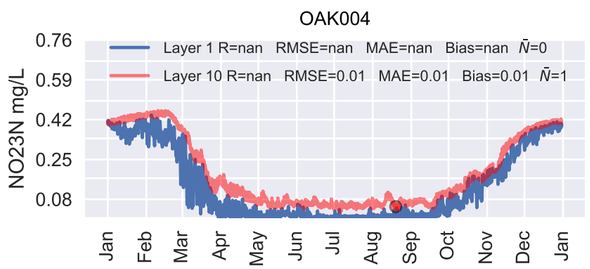

PR122
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR123
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR128
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR131
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR132
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR133
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR136b
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR23
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR24
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SJF002
Layer 1 R=0.63 RMSE=0.16 MAE=0.12 Bias=-0.12 N̄=9
Layer 10 R=-0.24 RMSE=0.15 MAE=0.07 Bias=0.05 N̄=9
PR22a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SJF001
Layer 1 R=0.8 RMSE=0.21 MAE=0.18 Bias=-0.18 N̄=9
Layer 10 R=0.12 RMSE=0.02 MAE=0.01 Bias=0.0 N̄=8
PR25
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SJF000
Layer 1 R=0.74 RMSE=0.22 MAE=0.19 Bias=-0.19 N̄=10
Layer 10 R=0.13 RMSE=0.02 MAE=0.02 Bias=0.0 N̄=10
ADM002
Layer 1 R=0.93 RMSE=0.12 MAE=0.1 Bias=-0.09 N̄=6
Layer 10 R=0.75 RMSE=0.01 MAE=0.01 Bias=-0.01 N̄=5
PR26
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
GRG002
Layer 1 R=0.57 RMSE=0.13 MAE=0.11 Bias=-0.08 N̄=8
Layer 10 R=0.72 RMSE=0.05 MAE=0.04 Bias=0.04 N̄=7
PR20
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PTH005
Layer 1 R=1.0 RMSE=0.06 MAE=0.06 Bias=-0.02 N̄=3
Layer 10 R=0.31 RMSE=0.07 MAE=0.04 Bias=0.03 N̄=9
PR19
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
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Jan

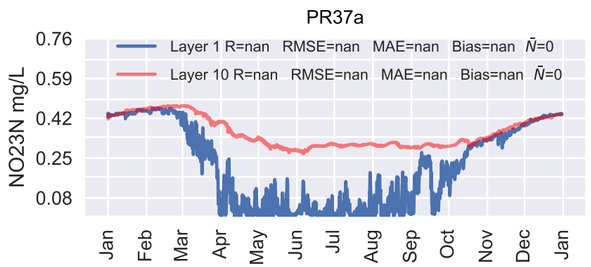

PR18
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
BLL009
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
ADM001
Layer 1 R=0.75 RMSE=0.18 MAE=0.15 Bias=-0.13 $\bar{N}$=10
Layer 10 R=0.58 RMSE=0.04 MAE=0.03 Bias=-0.0 $\bar{N}$=5
PR7
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR8
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR6
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
ADM003
Layer 1 R=0.84 RMSE=0.18 MAE=0.15 Bias=-0.14 $\bar{N}$=9
Layer 10 R=0.75 RMSE=0.04 MAE=0.03 Bias=-0.01 $\bar{N}$=8
SKG003
Layer 1 R=nan RMSE=0.25 MAE=0.25 Bias=-0.25 $\bar{N}$=1
Layer 10 R=-0.19 RMSE=0.07 MAE=0.06 Bias=-0.01 $\bar{N}$=5
PR9
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR5
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR27
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR4
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR10
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
JSUR01
Layer 1 R=0.76 RMSE=0.15 MAE=0.11 Bias=-0.1 $\bar{N}$=12
Layer 10 R=0.84 RMSE=0.03 MAE=0.03 Bias=-0.01 $\bar{N}$=12
KSBP01
Layer 1 R=0.63 RMSE=0.16 MAE=0.12 Bias=-0.11 $\bar{N}$=17
Layer 10 R=0.85 RMSE=0.03 MAE=0.03 Bias=-0.01 $\bar{N}$=12
PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=0.9 RMSE=0.05 MAE=0.05 Bias=-0.05 $\bar{N}$=4
PR17
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR28
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
CK200P
Layer 1 R=0.79 RMSE=0.15 MAE=0.11 Bias=-0.11 $\bar{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PSS019
Layer 1 R=0.79 RMSE=0.13 MAE=0.1 Bias=-0.07 $\bar{N}$=10
Layer 10 R=0.14 RMSE=0.07 MAE=0.05 Bias=-0.04 $\bar{N}$=10
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
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Nov
Dec
Jan

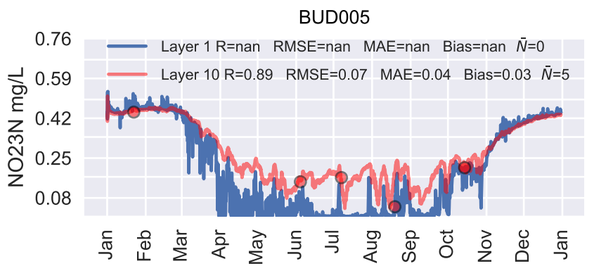

PR16
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR1
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
SAR003
Layer 1 R=0.87 RMSE=0.1 MAE=0.07 Bias=-0.04 $\tilde{N}$=8
Layer 10 R=-0.6 RMSE=0.07 MAE=0.07 Bias=-0.03 $\tilde{N}$=9
KSSK02
Layer 1 R=0.84 RMSE=0.16 MAE=0.13 Bias=-0.12 $\tilde{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PSB003
Layer 1 R=0.64 RMSE=0.2 MAE=0.16 Bias=-0.15 $\tilde{N}$=10
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
HCB010
Layer 1 R=0.59 RMSE=0.14 MAE=0.08 Bias=0.04 $\tilde{N}$=9
Layer 10 R=0.46 RMSE=0.05 MAE=0.03 Bias=0.03 $\tilde{N}$=9
HLM001
Layer 1 R=-0.43 RMSE=0.07 MAE=0.05 Bias=-0.04 $\tilde{N}$=4
Layer 10 R=1.0 RMSE=0.06 MAE=0.06 Bias=-0.06 $\tilde{N}$=2
PR15
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LSEP01
Layer 1 R=0.81 RMSE=0.16 MAE=0.12 Bias=-0.12 $\tilde{N}$=11
Layer 10 R=0.75 RMSE=0.03 MAE=0.03 Bias=-0.01 $\tilde{N}$=11
PR2
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LSKQ06
Layer 1 R=0.8 RMSE=0.15 MAE=0.11 Bias=-0.11 $\tilde{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LTED04
Layer 1 R=0.96 RMSE=0.15 MAE=0.11 Bias=-0.1 $\tilde{N}$=12
Layer 10 R=0.87 RMSE=0.04 MAE=0.04 Bias=-0.03 $\tilde{N}$=11
PR29
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
ELB015
Layer 1 R=0.82 RMSE=0.15 MAE=0.12 Bias=-0.11 $\tilde{N}$=8
Layer 10 R=0.56 RMSE=0.05 MAE=0.04 Bias=0.0 $\tilde{N}$=9
LSNT01
Layer 1 R=0.82 RMSE=0.16 MAE=0.12 Bias=-0.12 $\tilde{N}$=12
Layer 10 R=0.78 RMSE=0.03 MAE=0.03 Bias=-0.01 $\tilde{N}$=12
LSVV01
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR14
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR30
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
HNFD01
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
MSJN02
Layer 1 R=0.77 RMSE=0.19 MAE=0.15 Bias=-0.14 $\tilde{N}$=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
Feb
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Jan

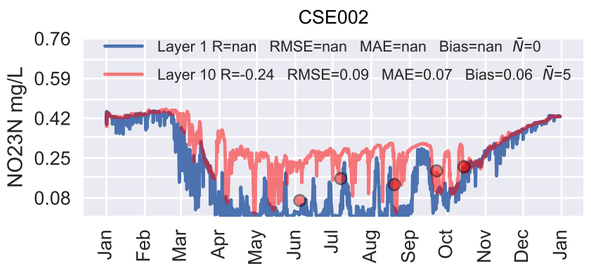

SIN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=0.64 RMSE=0.11 MAE=0.07 Bias=0.0 N̄=7
PR13
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
EAP001
Layer 1 R=0.71 RMSE=0.22 MAE=0.18 Bias=-0.17 N̄=9
Layer 10 R=0.87 RMSE=0.03 MAE=0.03 Bias=0.02 N̄=7
PR31
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR401
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR39
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
NSEX01
Layer 1 R=0.46 RMSE=0.24 MAE=0.19 Bias=-0.19 N̄=17
Layer 10 R=0.72 RMSE=0.03 MAE=0.03 Bias=-0.0 N̄=11
PR12
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR32
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR33
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
CMB003
Layer 1 R=0.8 RMSE=0.12 MAE=0.1 Bias=-0.1 N̄=10
Layer 10 R=0.79 RMSE=0.03 MAE=0.02 Bias=0.01 N̄=10
PR11
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR34
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HCB004
Layer 1 R=0.86 RMSE=0.08 MAE=0.05 Bias=-0.0 N̄=12
Layer 10 R=0.61 RMSE=0.08 MAE=0.06 Bias=0.06 N̄=6
GOR001
Layer 1 R=0.87 RMSE=0.13 MAE=0.11 Bias=-0.1 N̄=9
Layer 10 R=0.96 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=9
PR35
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR38a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR36b
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR36a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
NSQ002
Layer 1 R=0.94 RMSE=0.1 MAE=0.08 Bias=-0.07 N̄=9
Layer 10 R=0.79 RMSE=0.03 MAE=0.02 Bias=0.02 N̄=6
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
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Dec
Jan

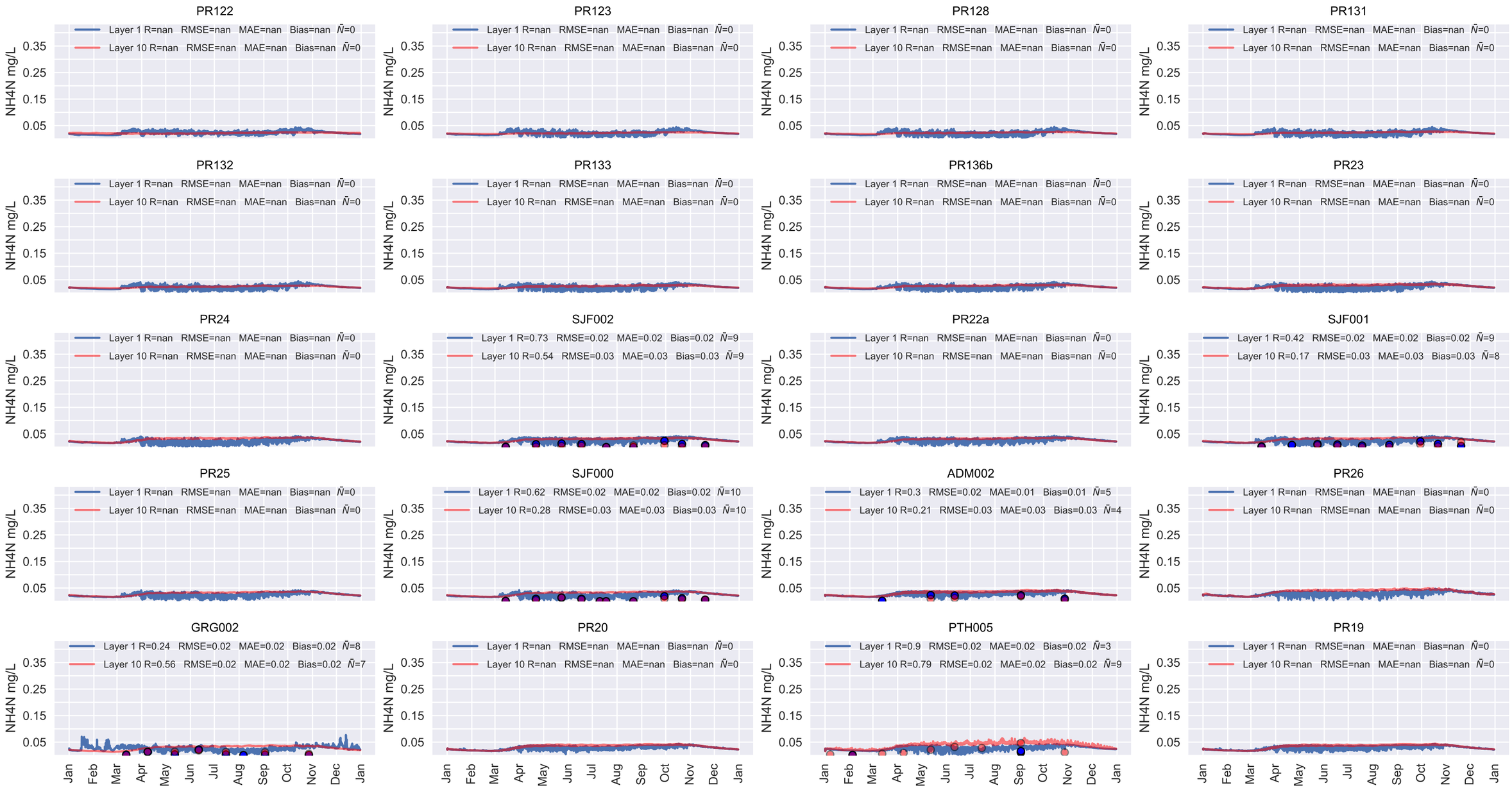

DNA001
Layer 1 R=0.91 RMSE=0.1 MAE=0.09 Bias=-0.08 $\bar{N}$=9
Layer 10 R=0.96 RMSE=0.06 MAE=0.04 Bias=0.04 $\bar{N}$=4
NO23N mg/L
0.76
0.59
0.42
0.25
0.08

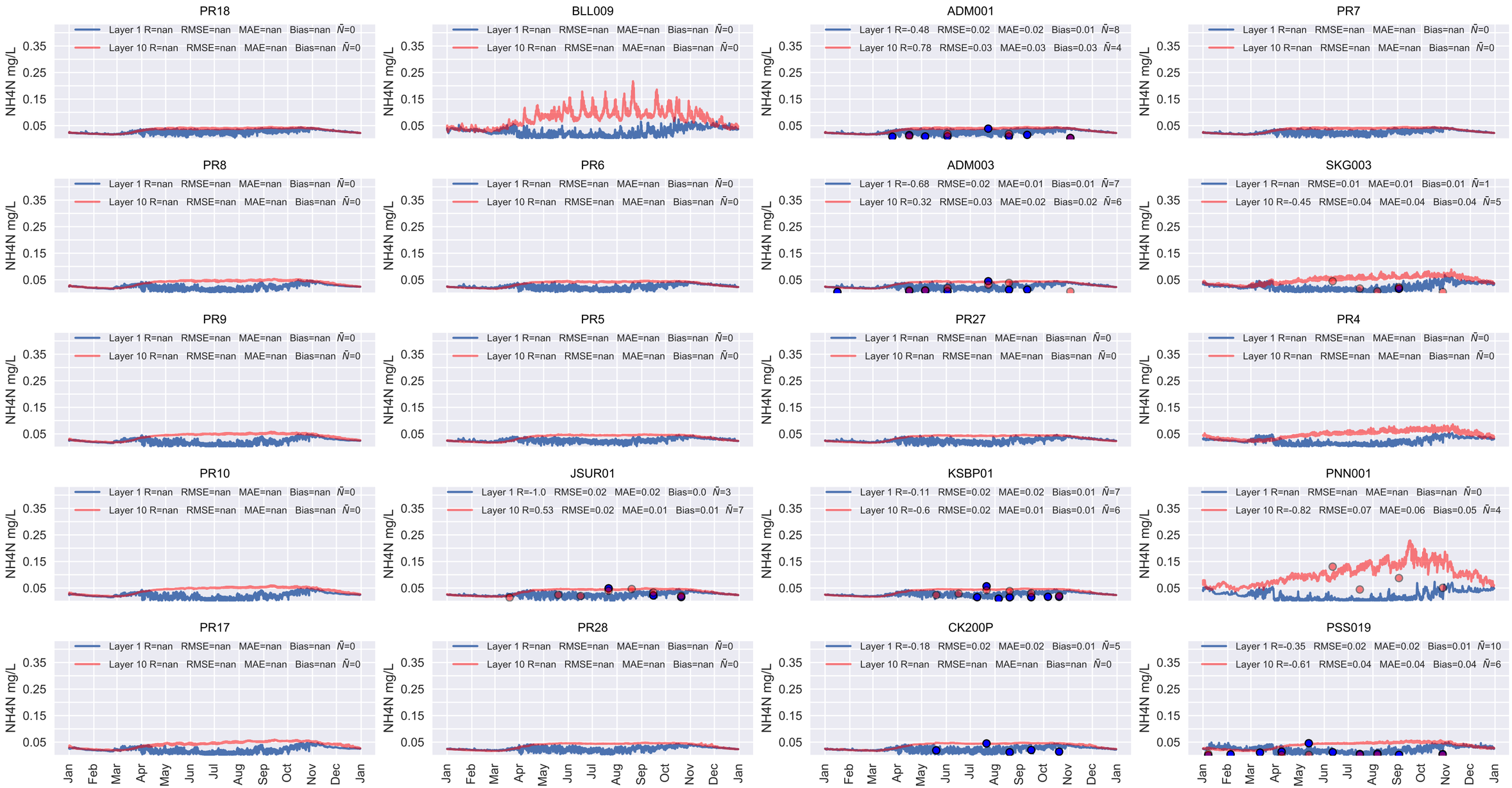

OAK004
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=0.01 MAE=0.01 Bias=0.01 $\bar{N}$=1
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
Feb
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Jun
Jul
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Oct
Nov
Dec
Jan

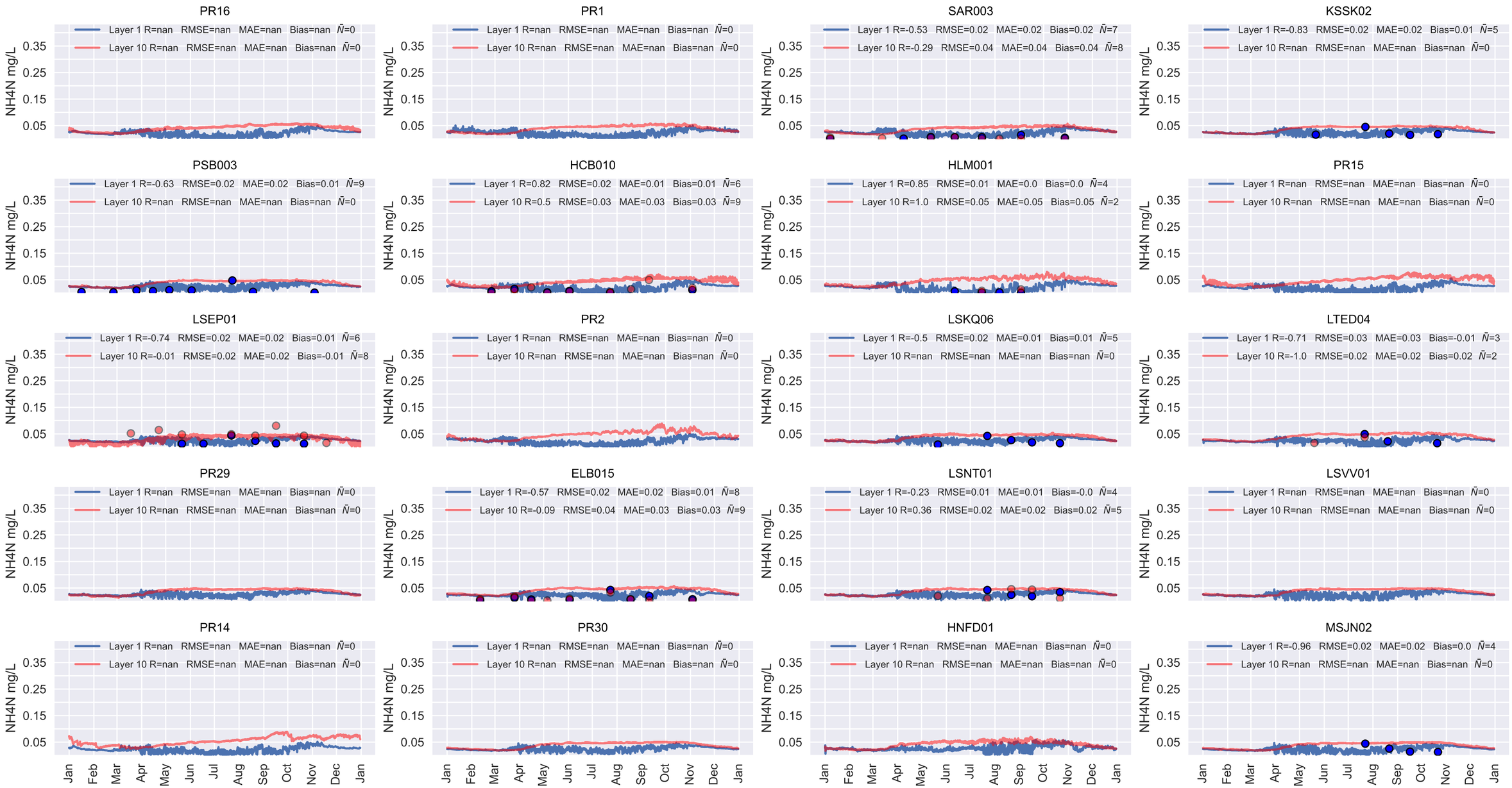

PR37a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
Feb
Mar
Apr
May
Jun
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Nov
Dec
Jan

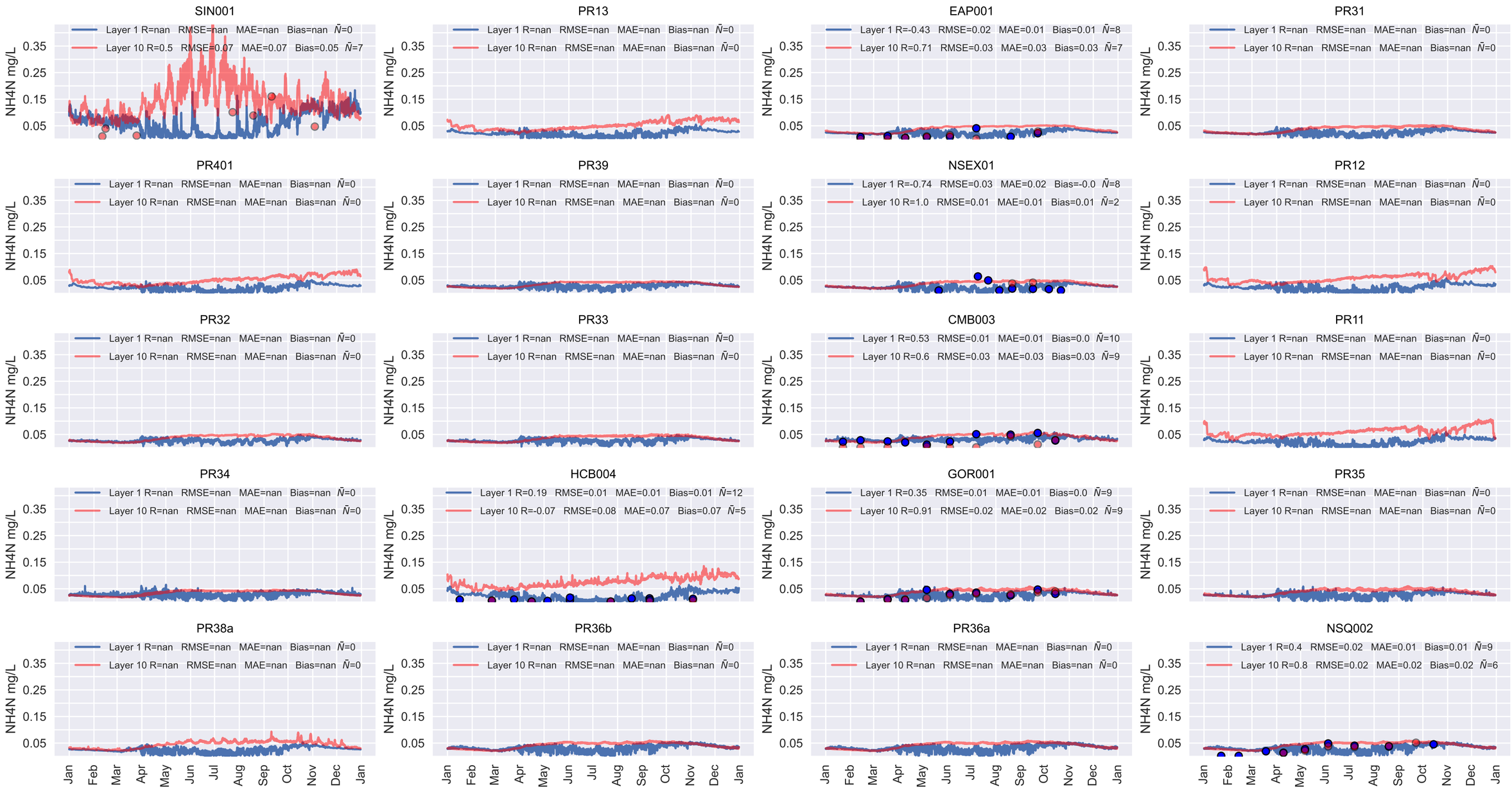

BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=0.89 RMSE=0.07 MAE=0.04 Bias=0.03 $\bar{N}$=5
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
Feb
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Dec
Jan

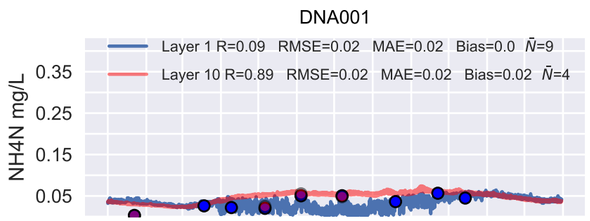

CSE002
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=-0.24 RMSE=0.09 MAE=0.07 Bias=0.06 $\bar{N}$=5
NO23N mg/L
0.76
0.59
0.42
0.25
0.08
Jan
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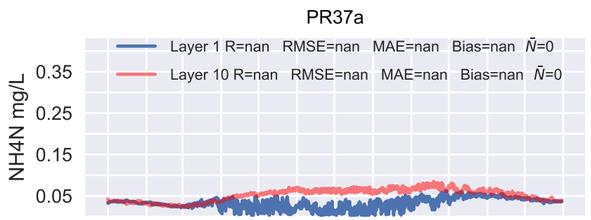

PR122
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PR123
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Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR128
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Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR131
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR132
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR133
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR136b
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR23
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR24
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SJF002
Layer 1 R=0.73 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=9
Layer 10 R=0.54 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=9
PR22a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SJF001
Layer 1 R=0.42 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=9
Layer 10 R=0.17 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=8
PR25
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SJF000
Layer 1 R=0.62 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=10
Layer 10 R=0.28 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=10
ADM002
Layer 1 R=0.3 RMSE=0.02 MAE=0.01 Bias=0.01 N̄=5
Layer 10 R=0.21 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=4
PR26
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
GRG002
Layer 1 R=0.24 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=8
Layer 10 R=0.56 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=7
PR20
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PTH005
Layer 1 R=0.9 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=3
Layer 10 R=0.79 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=9
PR19
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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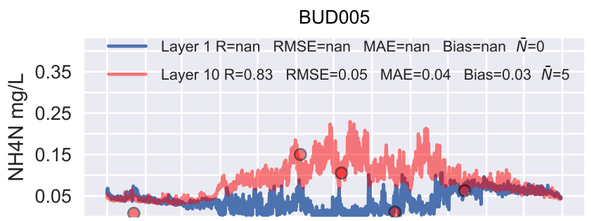

PR18
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Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
BLL009
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
ADM001
Layer 1 R=-0.48 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=8
Layer 10 R=0.78 RMSE=0.03 MAE=0.03 Bias=0.03 $\tilde{N}$=4
PR7
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR8
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR6
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
ADM003
Layer 1 R=-0.68 RMSE=0.02 MAE=0.01 Bias=0.01 $\tilde{N}$=7
Layer 10 R=0.32 RMSE=0.03 MAE=0.02 Bias=0.02 $\tilde{N}$=6
SKG003
Layer 1 R=nan RMSE=0.01 MAE=0.01 Bias=0.01 $\tilde{N}$=1
Layer 10 R=-0.45 RMSE=0.04 MAE=0.04 Bias=0.04 $\tilde{N}$=5
PR9
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR5
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR27
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR4
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR10
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
JSUR01
Layer 1 R=-1.0 RMSE=0.02 MAE=0.02 Bias=0.0 $\tilde{N}$=3
Layer 10 R=0.53 RMSE=0.02 MAE=0.01 Bias=0.01 $\tilde{N}$=7
KSBP01
Layer 1 R=-0.11 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=7
Layer 10 R=-0.6 RMSE=0.02 MAE=0.01 Bias=0.01 $\tilde{N}$=6
PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=-0.82 RMSE=0.07 MAE=0.06 Bias=0.05 $\tilde{N}$=4
PR17
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR28
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
CK200P
Layer 1 R=-0.18 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PSS019
Layer 1 R=-0.35 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=10
Layer 10 R=-0.61 RMSE=0.04 MAE=0.04 Bias=0.04 $\tilde{N}$=6
NH4N mg/L
0.35
0.25
0.15
0.05
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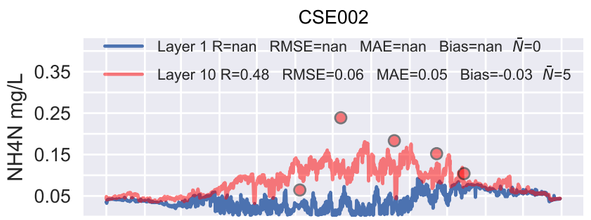

PR16
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR1
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
SAR003
Layer 1 R=-0.53 RMSE=0.02 MAE=0.02 Bias=0.02 $\tilde{N}$=7
Layer 10 R=-0.29 RMSE=0.04 MAE=0.04 Bias=0.04 $\tilde{N}$=8
KSSK02
Layer 1 R=-0.83 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PSB003
Layer 1 R=-0.63 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=9
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
HCB010
Layer 1 R=0.82 RMSE=0.02 MAE=0.01 Bias=0.01 $\tilde{N}$=6
Layer 10 R=0.5 RMSE=0.03 MAE=0.03 Bias=0.03 $\tilde{N}$=9
HLM001
Layer 1 R=0.85 RMSE=0.01 MAE=0.0 Bias=0.0 $\tilde{N}$=4
Layer 10 R=1.0 RMSE=0.05 MAE=0.05 Bias=0.05 $\tilde{N}$=2
PR15
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LSEP01
Layer 1 R=-0.74 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=6
Layer 10 R=-0.01 RMSE=0.02 MAE=0.02 Bias=-0.01 $\tilde{N}$=8
PR2
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LSKQ06
Layer 1 R=-0.5 RMSE=0.02 MAE=0.01 Bias=0.01 $\tilde{N}$=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
LTED04
Layer 1 R=-0.71 RMSE=0.03 MAE=0.03 Bias=-0.01 $\tilde{N}$=3
Layer 10 R=-1.0 RMSE=0.02 MAE=0.02 Bias=0.02 $\tilde{N}$=2
PR29
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
ELB015
Layer 1 R=-0.57 RMSE=0.02 MAE=0.02 Bias=0.01 $\tilde{N}$=8
Layer 10 R=-0.09 RMSE=0.04 MAE=0.03 Bias=0.03 $\tilde{N}$=9
LSNT01
Layer 1 R=-0.23 RMSE=0.01 MAE=0.01 Bias=-0.0 $\tilde{N}$=4
Layer 10 R=0.36 RMSE=0.02 MAE=0.02 Bias=0.02 $\tilde{N}$=5
LSVV01
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR14
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
PR30
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
HNFD01
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
MSJN02
Layer 1 R=-0.96 RMSE=0.02 MAE=0.02 Bias=0.0 $\tilde{N}$=4
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\tilde{N}$=0
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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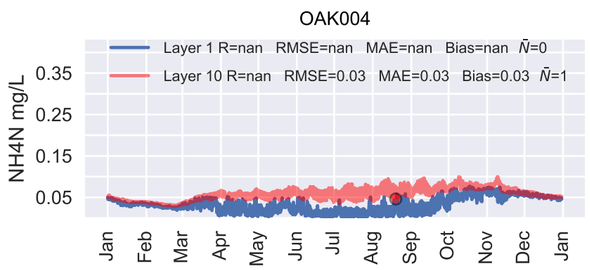

SIN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=0.5 RMSE=0.07 MAE=0.07 Bias=0.05 N̄=7
PR13
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
EAP001
Layer 1 R=-0.43 RMSE=0.02 MAE=0.01 Bias=0.01 N̄=8
Layer 10 R=0.71 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=7
PR31
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR401
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR39
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
NSEX01
Layer 1 R=-0.74 RMSE=0.03 MAE=0.02 Bias=-0.0 N̄=8
Layer 10 R=1.0 RMSE=0.01 MAE=0.01 Bias=0.01 N̄=2
PR12
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR32
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR33
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
CMB003
Layer 1 R=0.53 RMSE=0.01 MAE=0.01 Bias=0.0 N̄=10
Layer 10 R=0.6 RMSE=0.03 MAE=0.03 Bias=0.03 N̄=9
PR11
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR34
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HCB004
Layer 1 R=0.19 RMSE=0.01 MAE=0.01 Bias=0.01 N̄=12
Layer 10 R=-0.07 RMSE=0.08 MAE=0.07 Bias=0.07 N̄=5
GOR001
Layer 1 R=0.35 RMSE=0.01 MAE=0.01 Bias=0.0 N̄=9
Layer 10 R=0.91 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=9
PR35
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR38a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR36b
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR36a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
NSQ002
Layer 1 R=0.4 RMSE=0.02 MAE=0.01 Bias=0.01 N̄=9
Layer 10 R=0.8 RMSE=0.02 MAE=0.02 Bias=0.02 N̄=6
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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DNA001
Layer 1 R=0.09 RMSE=0.02 MAE=0.02 Bias=0.0 $\bar{N}$=9
Layer 10 R=0.89 RMSE=0.02 MAE=0.02 Bias=0.02 $\bar{N}$=4
NH4N mg/L
0.35
0.25
0.15
0.05

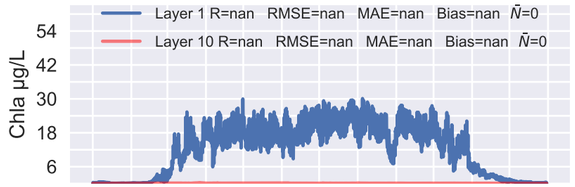

PR37a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=0.83 RMSE=0.05 MAE=0.04 Bias=0.03 $\bar{N}$=5
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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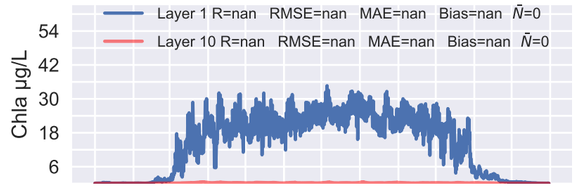

CSE002
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=0.48 RMSE=0.06 MAE=0.05 Bias=-0.03 $\bar{N}$=5
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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OAK004
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=0.03 MAE=0.03 Bias=0.03 $\bar{N}$=1
NH4N mg/L
0.35
0.25
0.15
0.05
Jan
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Jan

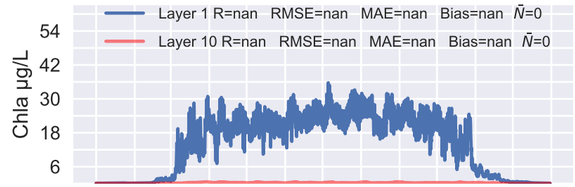
PR122



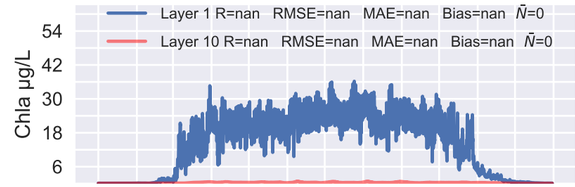
PR123



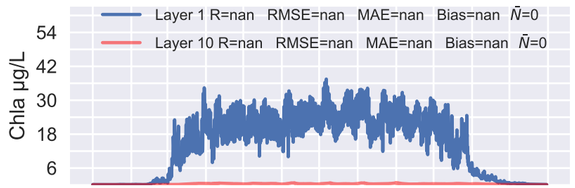
PR128



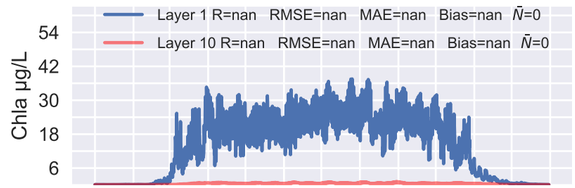
PR131



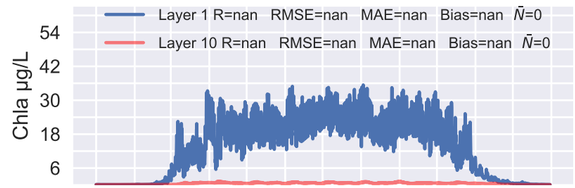
PR132



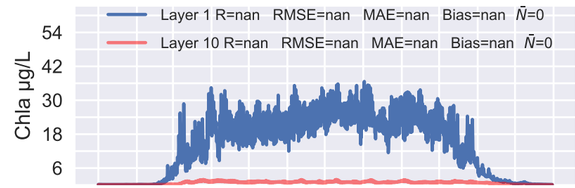
PR133



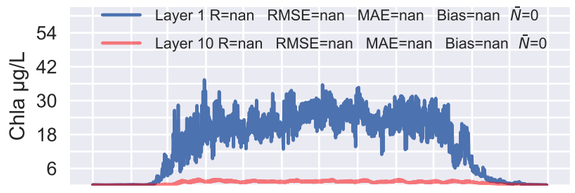
PR136b



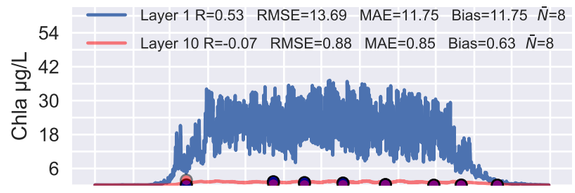
PR23



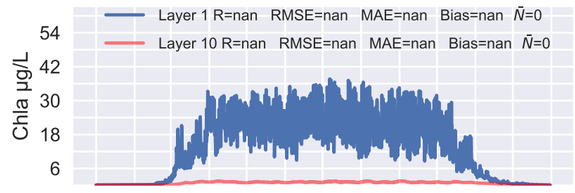
PR24



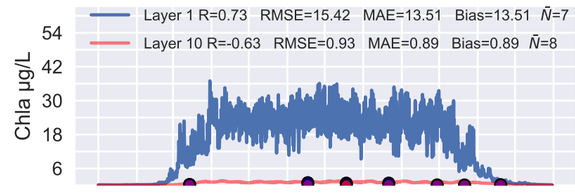
SJF002



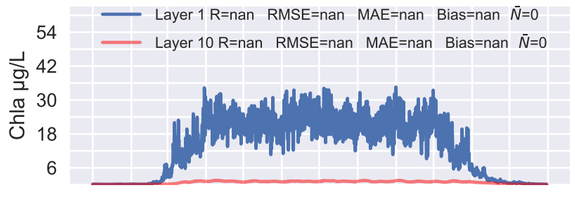
PR22a



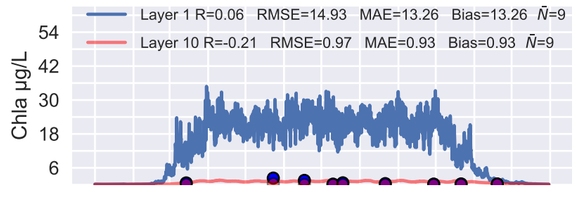
SJF001



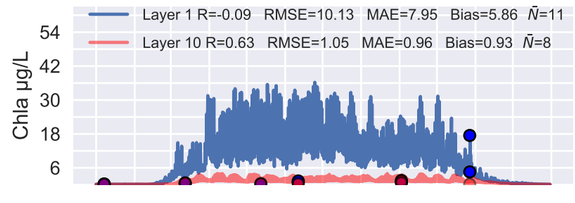
PR25



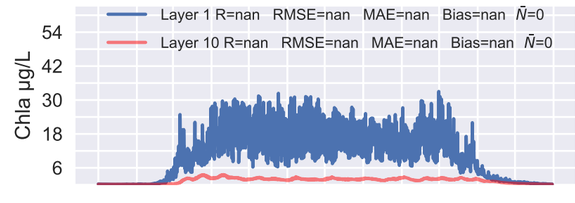
SJF000



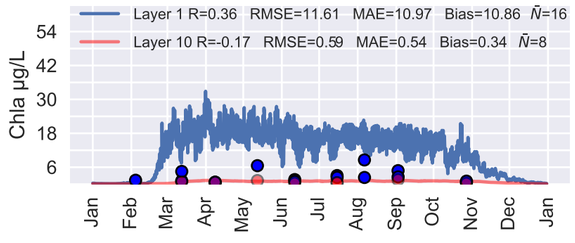
ADM002



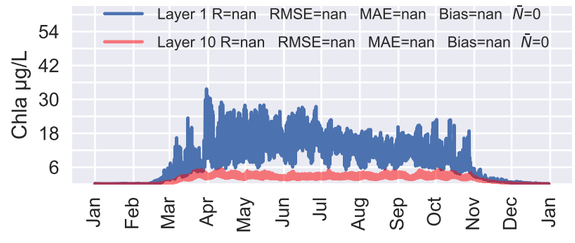
PR26



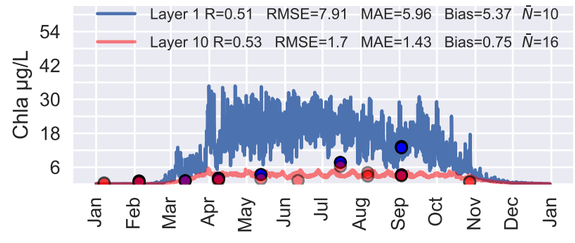
GRG002



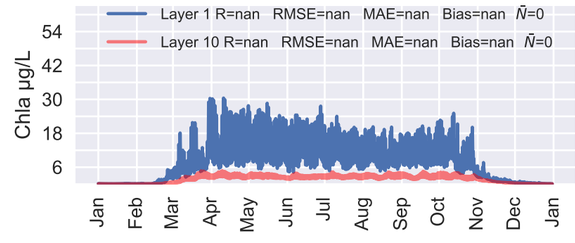
PR20

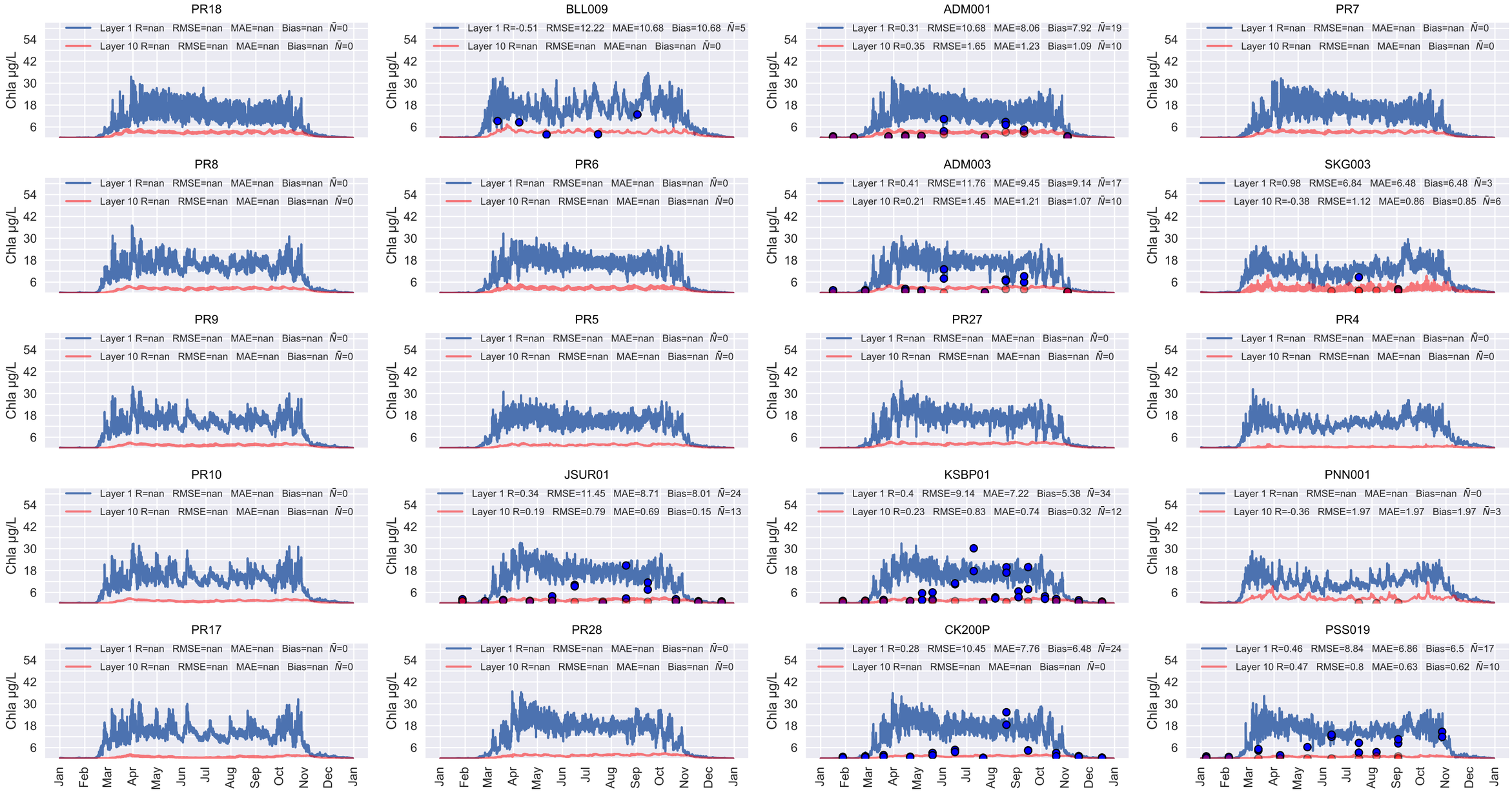


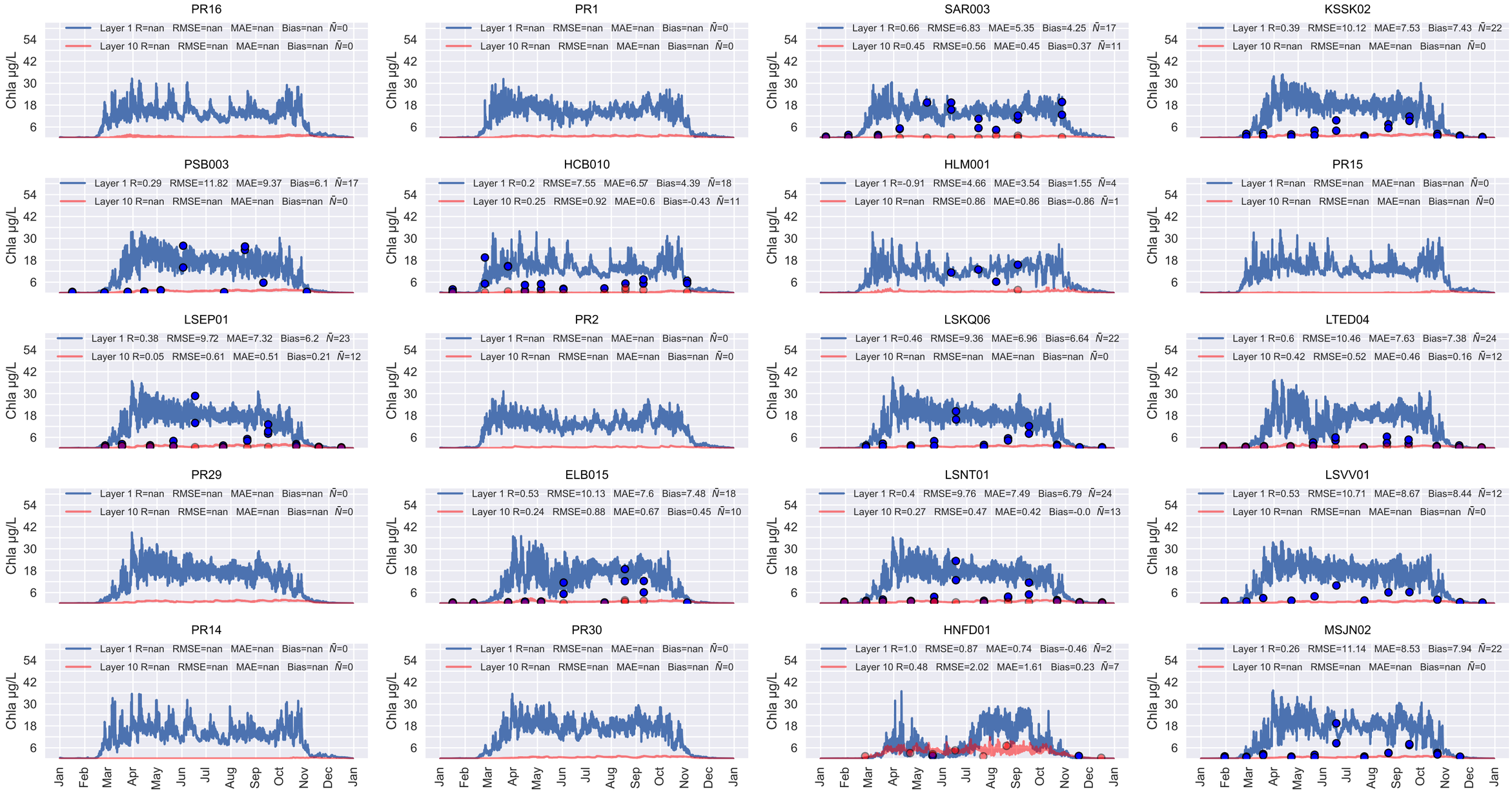
PTH005



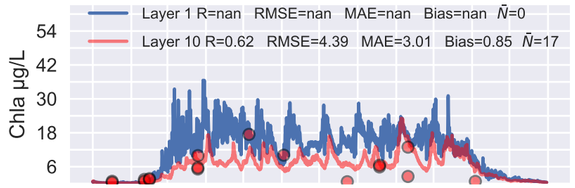
PR19



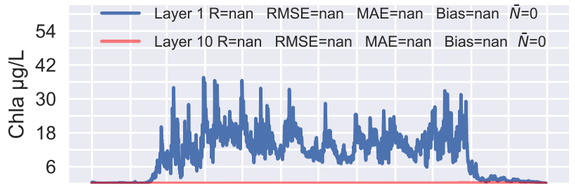

PR18
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
BLL009
Layer 1 R=-0.51 RMSE=12.22 MAE=10.68 Bias=10.68 N̄=5
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
ADM001
Layer 1 R=0.31 RMSE=10.68 MAE=8.06 Bias=7.92 N̄=19
Layer 10 R=0.35 RMSE=1.65 MAE=1.23 Bias=1.09 N̄=10
PR7
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR8
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR6
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
ADM003
Layer 1 R=0.41 RMSE=11.76 MAE=9.45 Bias=9.14 N̄=17
Layer 10 R=0.21 RMSE=1.45 MAE=1.21 Bias=1.07 N̄=10
SKG003
Layer 1 R=0.98 RMSE=6.84 MAE=6.48 Bias=6.48 N̄=3
Layer 10 R=-0.38 RMSE=1.12 MAE=0.86 Bias=0.85 N̄=6
PR9
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR5
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR27
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR4
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR10
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
JSUR01
Layer 1 R=0.34 RMSE=11.45 MAE=8.71 Bias=8.01 N̄=24
Layer 10 R=0.19 RMSE=0.79 MAE=0.69 Bias=0.15 N̄=13
KSBP01
Layer 1 R=0.4 RMSE=9.14 MAE=7.22 Bias=5.38 N̄=34
Layer 10 R=0.23 RMSE=0.83 MAE=0.74 Bias=0.32 N̄=12
PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=-0.36 RMSE=1.97 MAE=1.97 Bias=1.97 N̄=3
PR17
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR28
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Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
CK200P
Layer 1 R=0.28 RMSE=10.45 MAE=7.76 Bias=6.48 N̄=24
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PSS019
Layer 1 R=0.46 RMSE=8.84 MAE=6.86 Bias=6.5 N̄=17
Layer 10 R=0.47 RMSE=0.8 MAE=0.63 Bias=0.62 N̄=10
Chla µg/L
54
42
30
18
6
Jan
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Nov
Dec
Jan


PR16
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR1
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SAR003
Layer 1 R=0.66 RMSE=6.83 MAE=5.35 Bias=4.25 N̄=17
Layer 10 R=0.45 RMSE=0.56 MAE=0.45 Bias=0.37 N̄=11
KSSK02
Layer 1 R=0.39 RMSE=10.12 MAE=7.53 Bias=7.43 N̄=22
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PSB003
Layer 1 R=0.29 RMSE=11.82 MAE=9.37 Bias=6.1 N̄=17
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HCB010
Layer 1 R=0.2 RMSE=7.55 MAE=6.57 Bias=4.39 N̄=18
Layer 10 R=0.25 RMSE=0.92 MAE=0.6 Bias=-0.43 N̄=11
HLM001
Layer 1 R=-0.91 RMSE=4.66 MAE=3.54 Bias=1.55 N̄=4
Layer 10 R=nan RMSE=0.86 MAE=0.86 Bias=-0.86 N̄=1
PR15
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LSEP01
Layer 1 R=0.38 RMSE=9.72 MAE=7.32 Bias=6.2 N̄=23
Layer 10 R=0.05 RMSE=0.61 MAE=0.51 Bias=0.21 N̄=12
PR2
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LSKQ06
Layer 1 R=0.46 RMSE=9.36 MAE=6.96 Bias=6.64 N̄=22
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LTED04
Layer 1 R=0.6 RMSE=10.46 MAE=7.63 Bias=7.38 N̄=24
Layer 10 R=0.42 RMSE=0.52 MAE=0.46 Bias=0.16 N̄=12
PR29
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
ELB015
Layer 1 R=0.53 RMSE=10.13 MAE=7.6 Bias=7.48 N̄=18
Layer 10 R=0.24 RMSE=0.88 MAE=0.67 Bias=0.45 N̄=10
LSNT01
Layer 1 R=0.4 RMSE=9.76 MAE=7.49 Bias=6.79 N̄=24
Layer 10 R=0.27 RMSE=0.47 MAE=0.42 Bias=-0.0 N̄=13
LSVV01
Layer 1 R=0.53 RMSE=10.71 MAE=8.67 Bias=8.44 N̄=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR14
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR30
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HNFD01
Layer 1 R=1.0 RMSE=0.87 MAE=0.74 Bias=-0.46 N̄=2
Layer 10 R=0.48 RMSE=2.02 MAE=1.61 Bias=0.23 N̄=7
MSJN02
Layer 1 R=0.26 RMSE=11.14 MAE=8.53 Bias=7.94 N̄=22
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Chla µg/L
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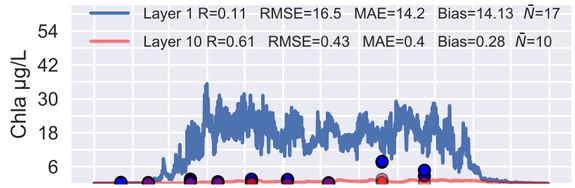
SIN001



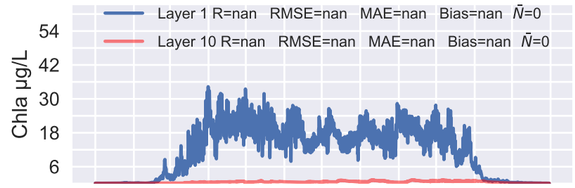
PR13



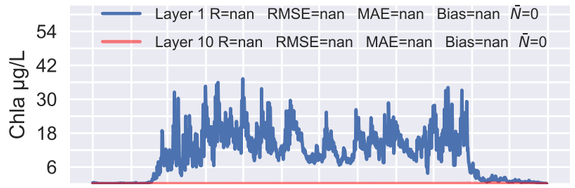
EAP001



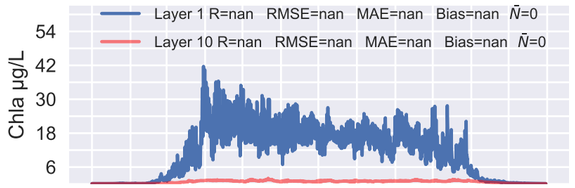
PR31



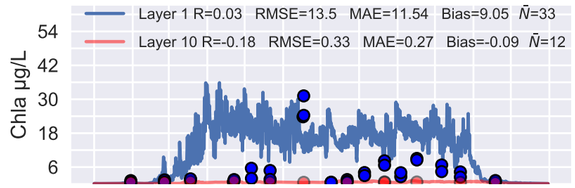
PR401



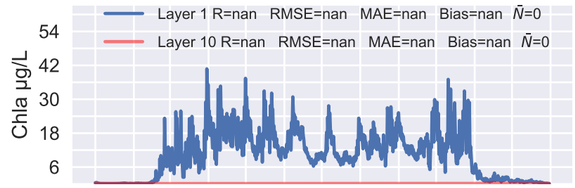
PR39



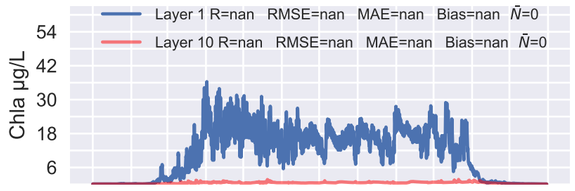
NSEX01



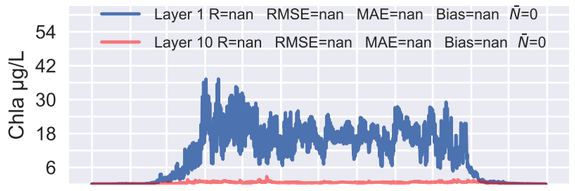
PR12



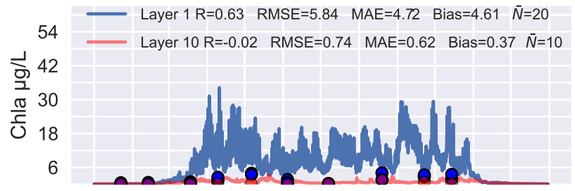
PR32



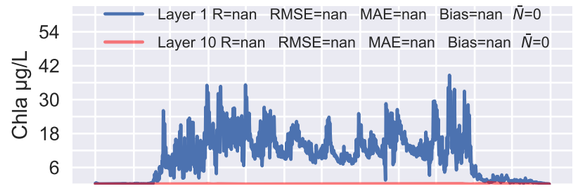
PR33



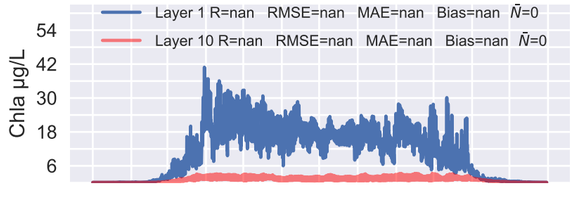
CMB003



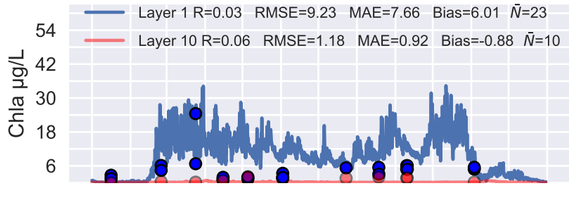
PR11



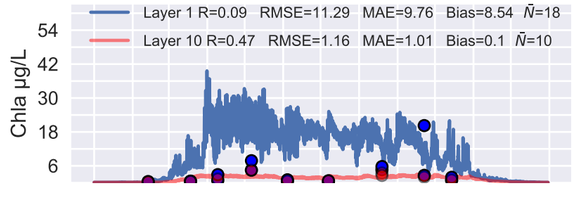
PR34



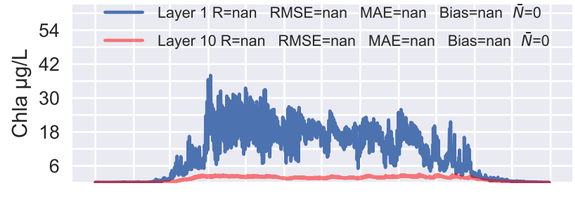
HCB004



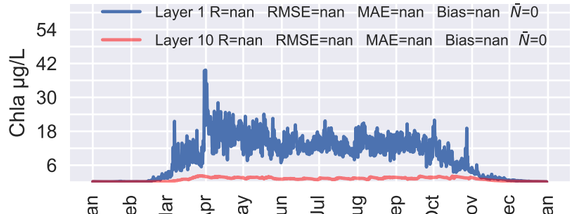
GOR001



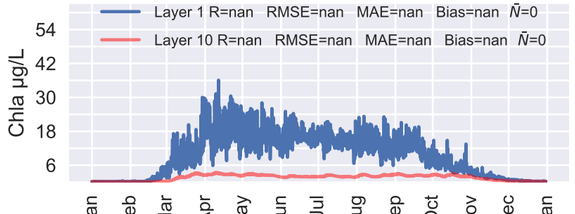
PR35



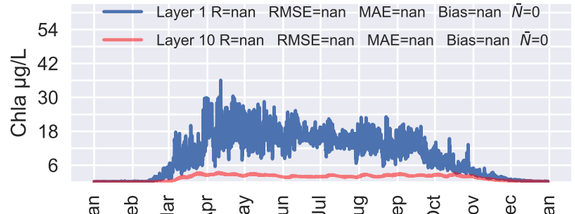
PR38a



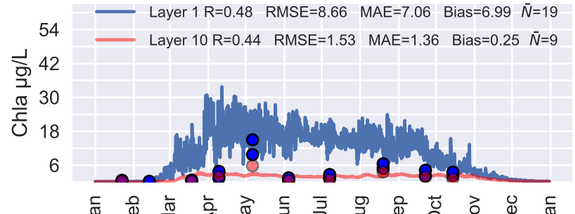
PR36b

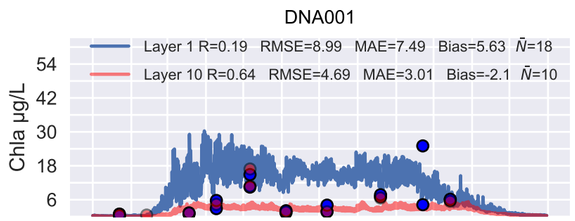


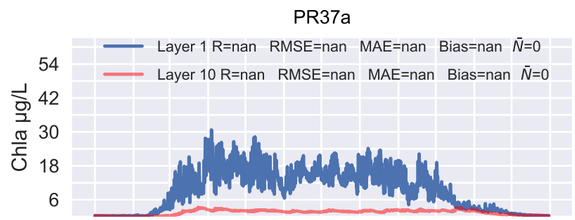
PR36a

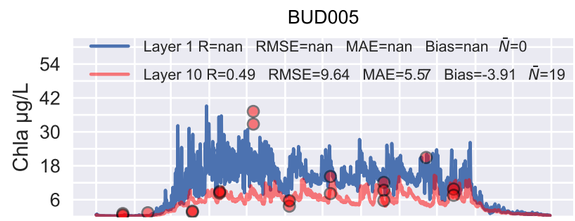


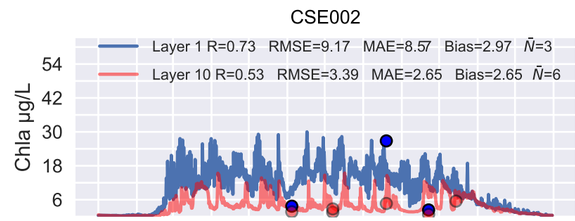
NSQ002

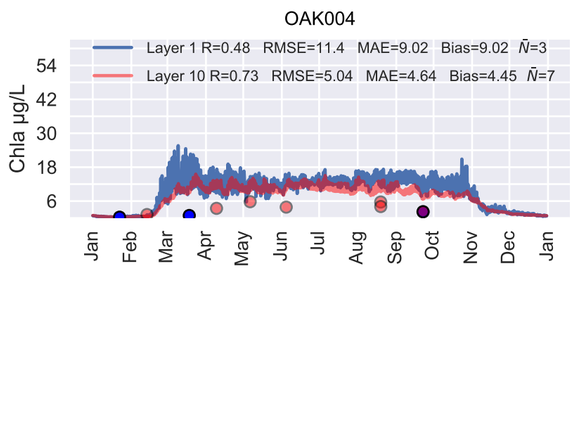


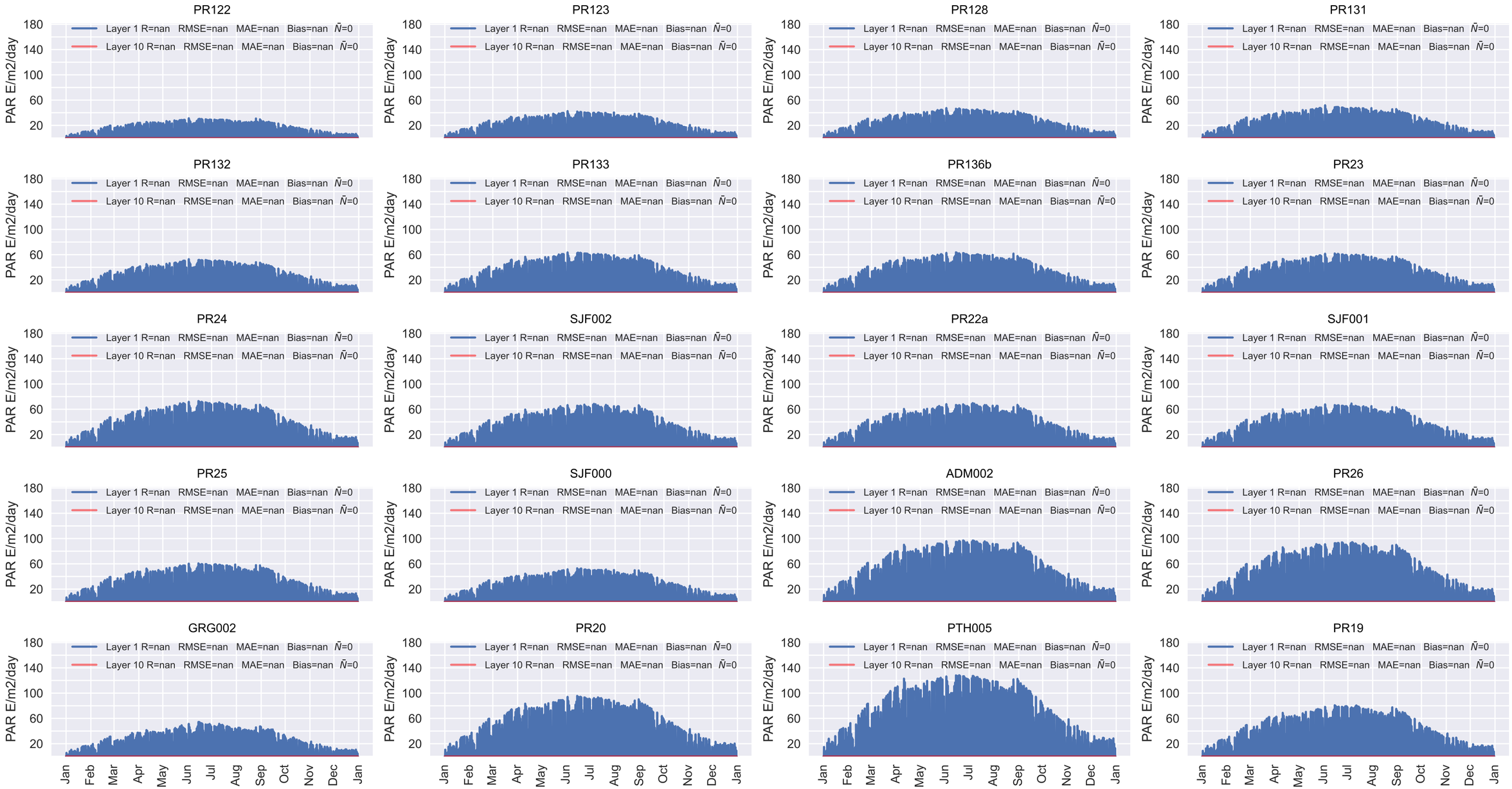

DNA001
Layer 1 R=0.19 RMSE=8.99 MAE=7.49 Bias=5.63 N̄=18
Layer 10 R=0.64 RMSE=4.69 MAE=3.01 Bias=-2.1 N̄=10
Chla µg/L
54
42
30
18
6

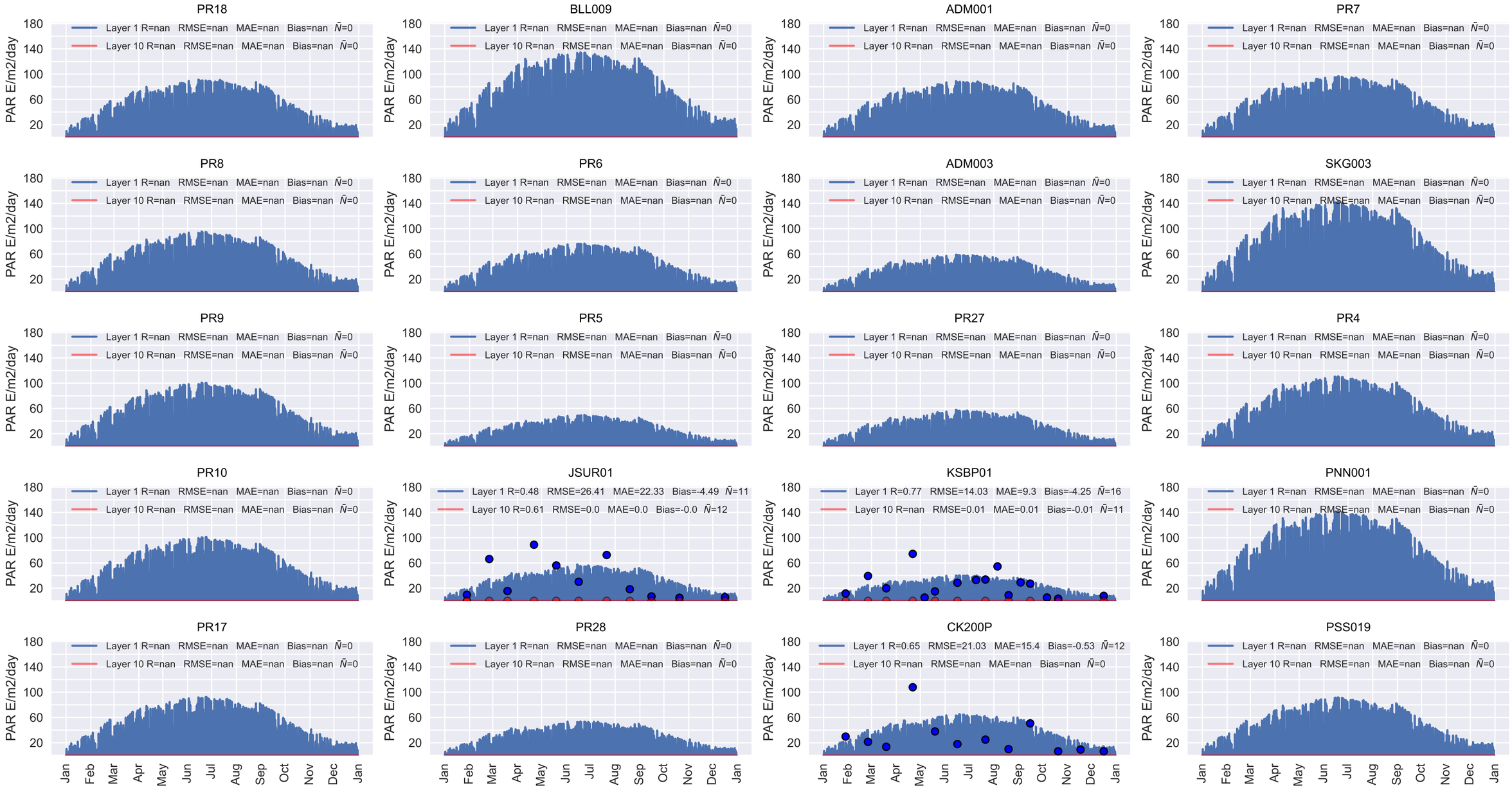

PR37a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Chla µg/L
54
42
30
18
6
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

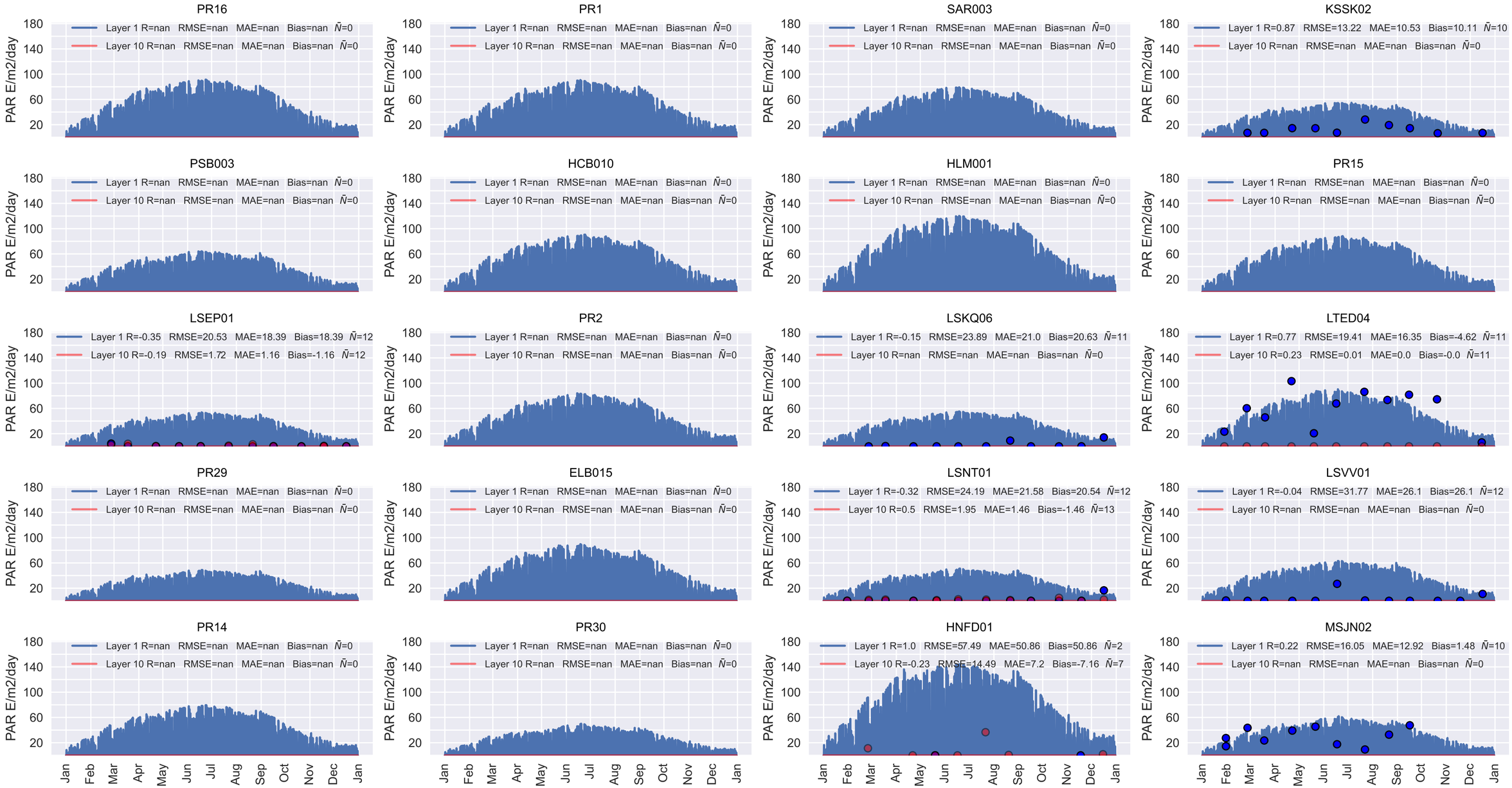

BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=0.49 RMSE=9.64 MAE=5.57 Bias=-3.91 N̄=19
Chla µg/L
54
42
30
18
6

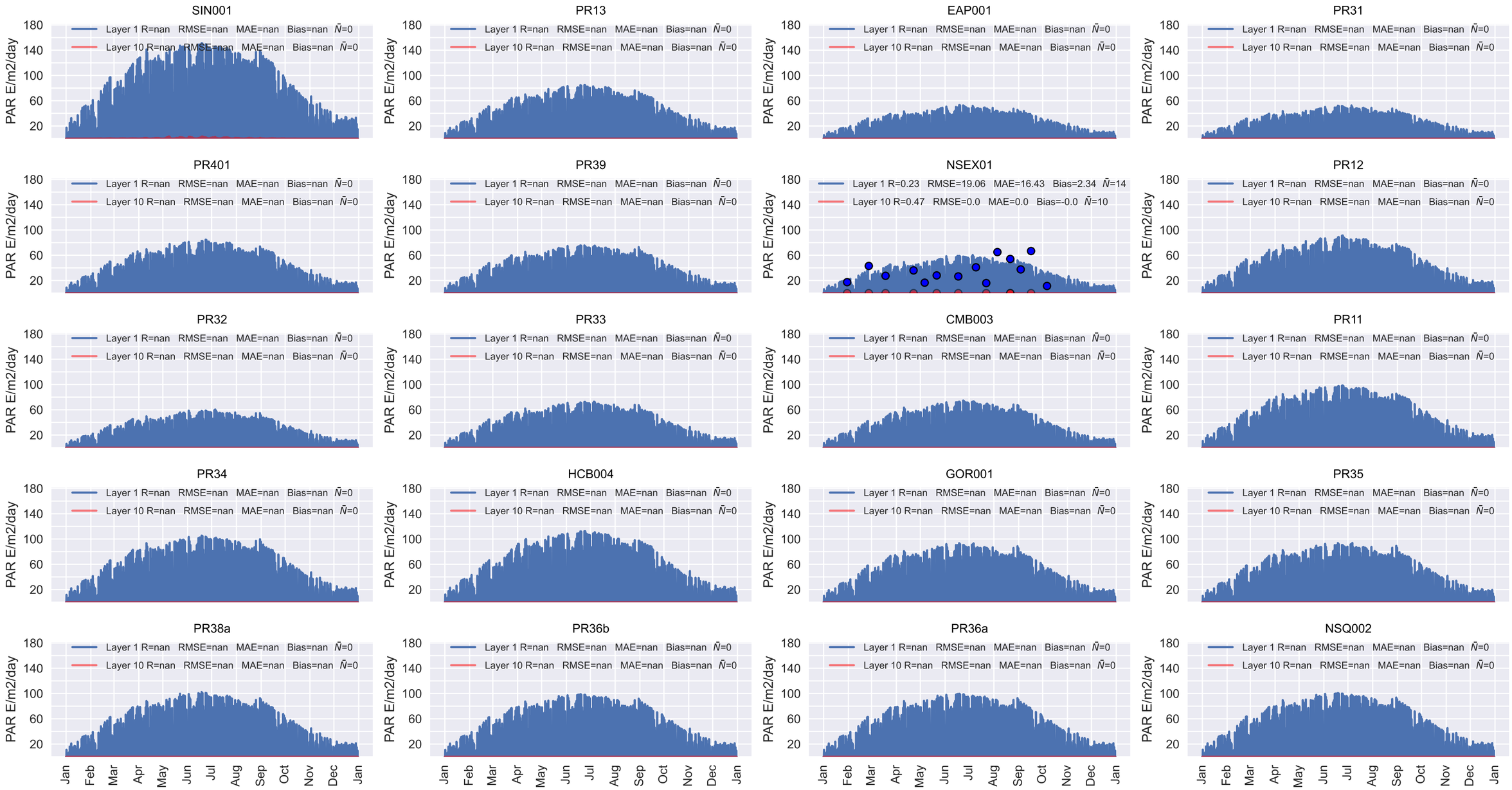

CSE002
Layer 1 R=0.73 RMSE=9.17 MAE=8.57 Bias=2.97 N̄=3
Layer 10 R=0.53 RMSE=3.39 MAE=2.65 Bias=2.65 N̄=6
Chla µg/L
54
42
30
18
6

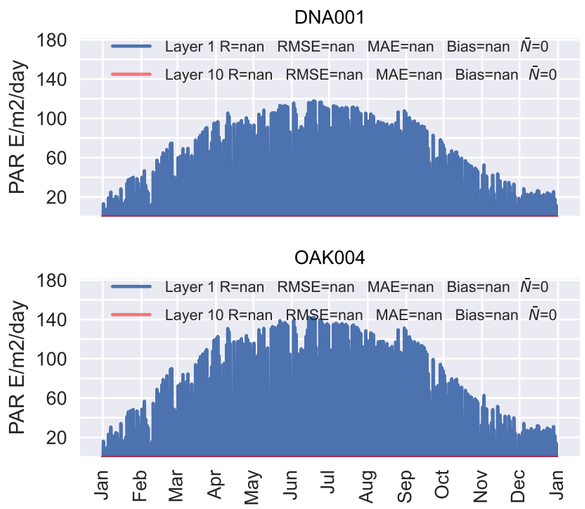

OAK004
Layer 1 R=0.48 RMSE=11.4 MAE=9.02 Bias=9.02 N̄=3
Layer 10 R=0.73 RMSE=5.04 MAE=4.64 Bias=4.45 N̄=7
Chla µg/L
54
42
30
18
6
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

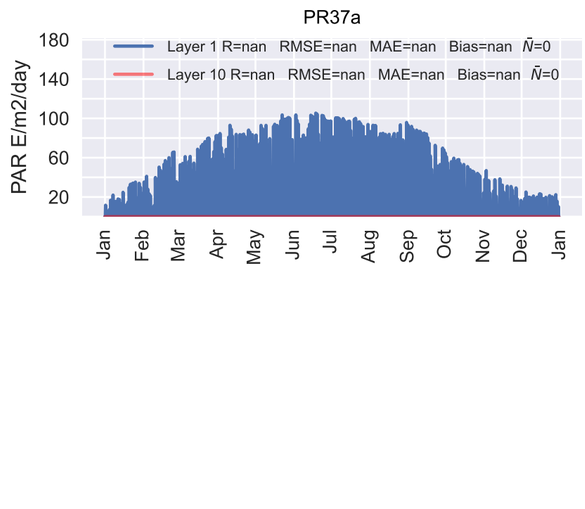

PR122
PR123
PR128
PR131
PR132
PR133
PR136b
PR23
PR24
SJF002
PR22a
SJF001
PR25
SJF000
ADM002
PR26
GRG002
PR20
PTH005
PR19
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PAR E/m2/day
180
140
100
60
20
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

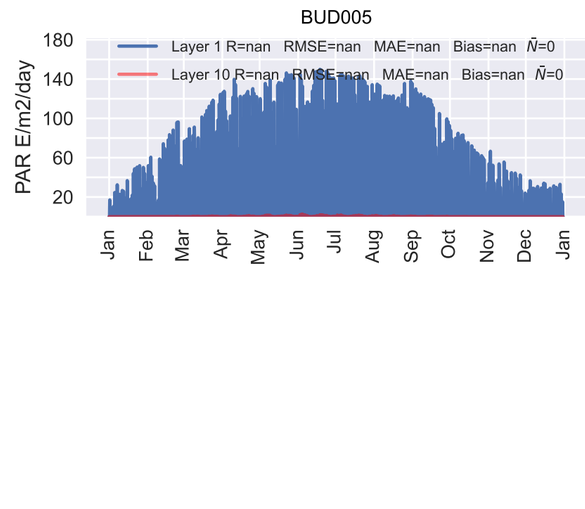

PR18
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
BLL009
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
ADM001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR7
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR8
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR6
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
ADM003
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
SKG003
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR9
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR5
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR27
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR4
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR10
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
JSUR01
Layer 1 R=0.48 RMSE=26.41 MAE=22.33 Bias=-4.49 $\bar{N}$=11
Layer 10 R=0.61 RMSE=0.0 MAE=0.0 Bias=-0.0 $\bar{N}$=12
KSBP01
Layer 1 R=0.77 RMSE=14.03 MAE=9.3 Bias=-4.25 $\bar{N}$=16
Layer 10 R=nan RMSE=0.01 MAE=0.01 Bias=-0.01 $\bar{N}$=11
PNN001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR17
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PR28
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
CK200P
Layer 1 R=0.65 RMSE=21.03 MAE=15.4 Bias=-0.53 $\bar{N}$=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PSS019
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PAR E/m2/day
180
140
100
60
20
Jan
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Jan

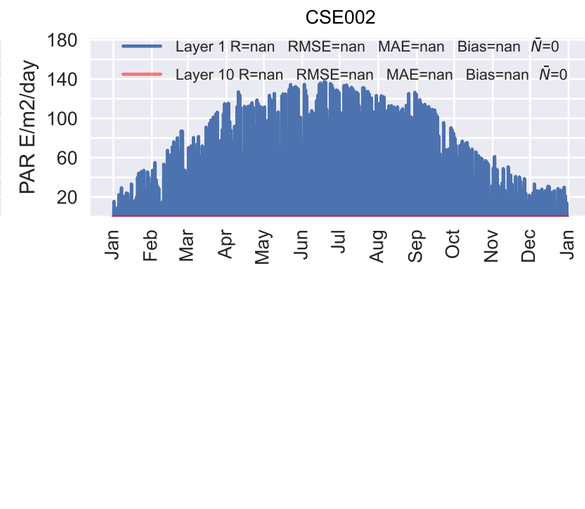

PR16
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR1
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
SAR003
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
KSSK02
Layer 1 R=0.87 RMSE=13.22 MAE=10.53 Bias=10.11 N̄=10
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PSB003
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HCB010
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HLM001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR15
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LSEP01
Layer 1 R=-0.35 RMSE=20.53 MAE=18.39 Bias=18.39 N̄=12
Layer 10 R=-0.19 RMSE=1.72 MAE=1.16 Bias=-1.16 N̄=12
PR2
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LSKQ06
Layer 1 R=-0.15 RMSE=23.89 MAE=21.0 Bias=20.63 N̄=11
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LTED04
Layer 1 R=0.77 RMSE=19.41 MAE=16.35 Bias=-4.62 N̄=11
Layer 10 R=0.23 RMSE=0.01 MAE=0.0 Bias=-0.0 N̄=11
PR29
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
ELB015
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
LSNT01
Layer 1 R=-0.32 RMSE=24.19 MAE=21.58 Bias=20.54 N̄=12
Layer 10 R=0.5 RMSE=1.95 MAE=1.46 Bias=-1.46 N̄=13
LSVV01
Layer 1 R=-0.04 RMSE=31.77 MAE=26.1 Bias=26.1 N̄=12
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR14
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PR30
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
HNFD01
Layer 1 R=1.0 RMSE=57.49 MAE=50.86 Bias=50.86 N̄=2
Layer 10 R=-0.23 RMSE=14.49 MAE=7.2 Bias=-7.16 N̄=7
MSJN02
Layer 1 R=0.22 RMSE=16.05 MAE=12.92 Bias=1.48 N̄=10
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
PAR E/m2/day
180
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Dec
Jan


SIN001
PR13
EAP001
PR31
PR401
PR39
NSEX01
PR12
PR32
PR33
CMB003
PR11
PR34
HCB004
GOR001
PR35
PR38a
PR36b
PR36a
NSQ002
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan N̄=0
Layer 1 R=0.23 RMSE=19.06 MAE=16.43 Bias=2.34 N̄=14
Layer 10 R=0.47 RMSE=0.0 MAE=0.0 Bias=-0.0 N̄=10
PAR E/m2/day
180
140
100
60
20
Jan
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Nov
Dec
Jan

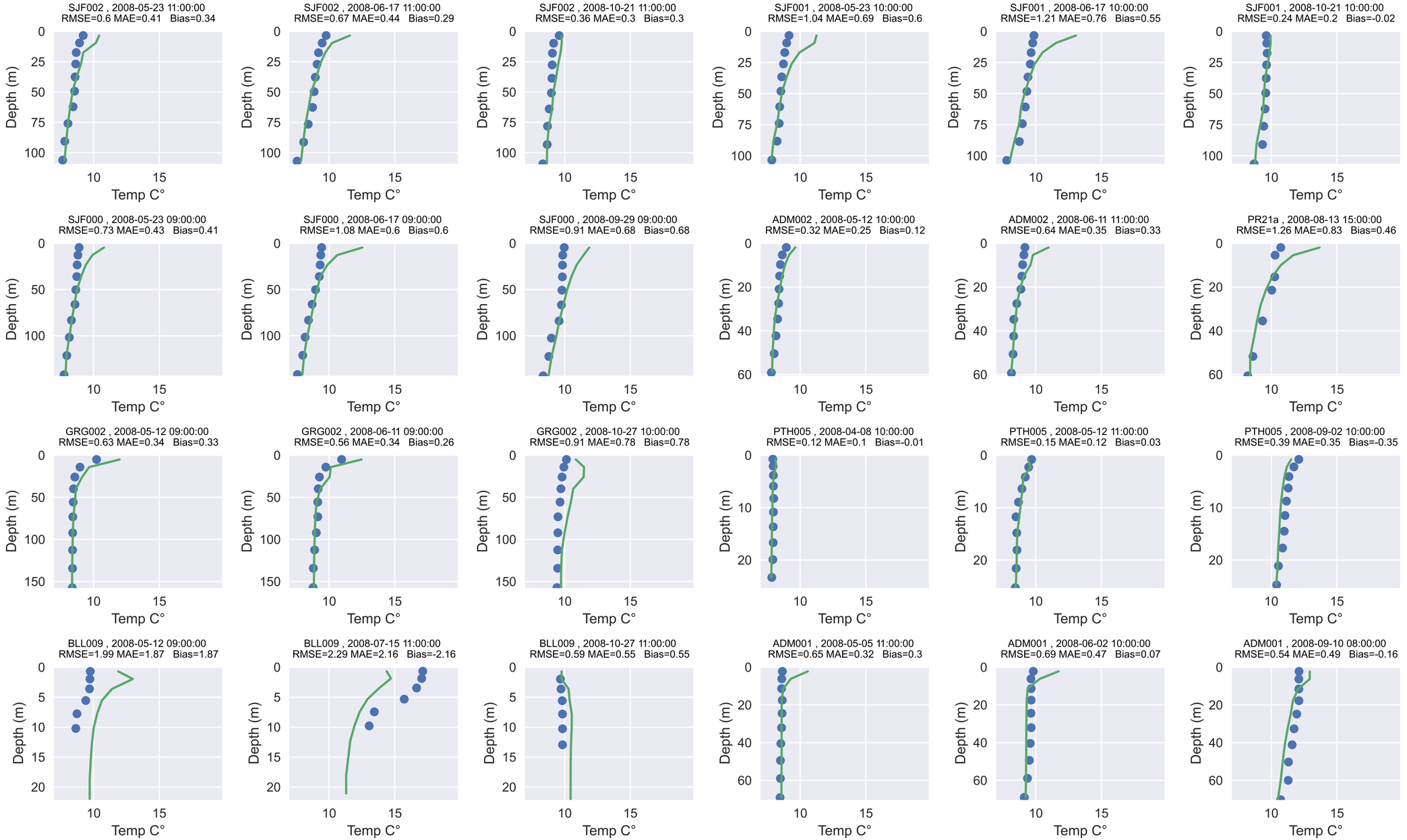

DNA001
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PAR E/m2/day
180
140
100
60
20
Jan
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Nov
Dec
Jan

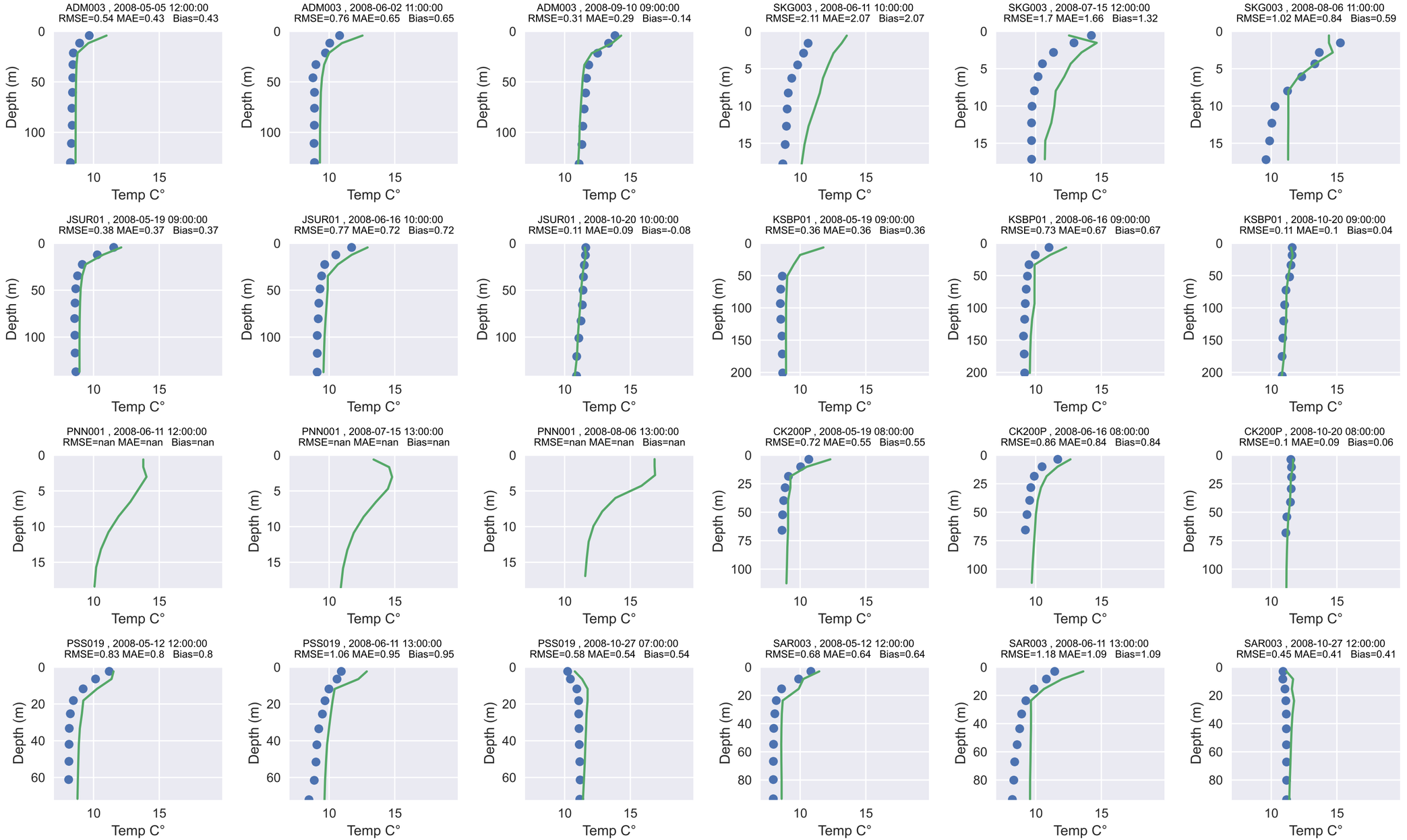

PR37a
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PAR E/m2/day
180
140
100
60
20
Jan
Feb
Mar
Apr
May
Jun
Jul
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Oct
Nov
Dec
Jan

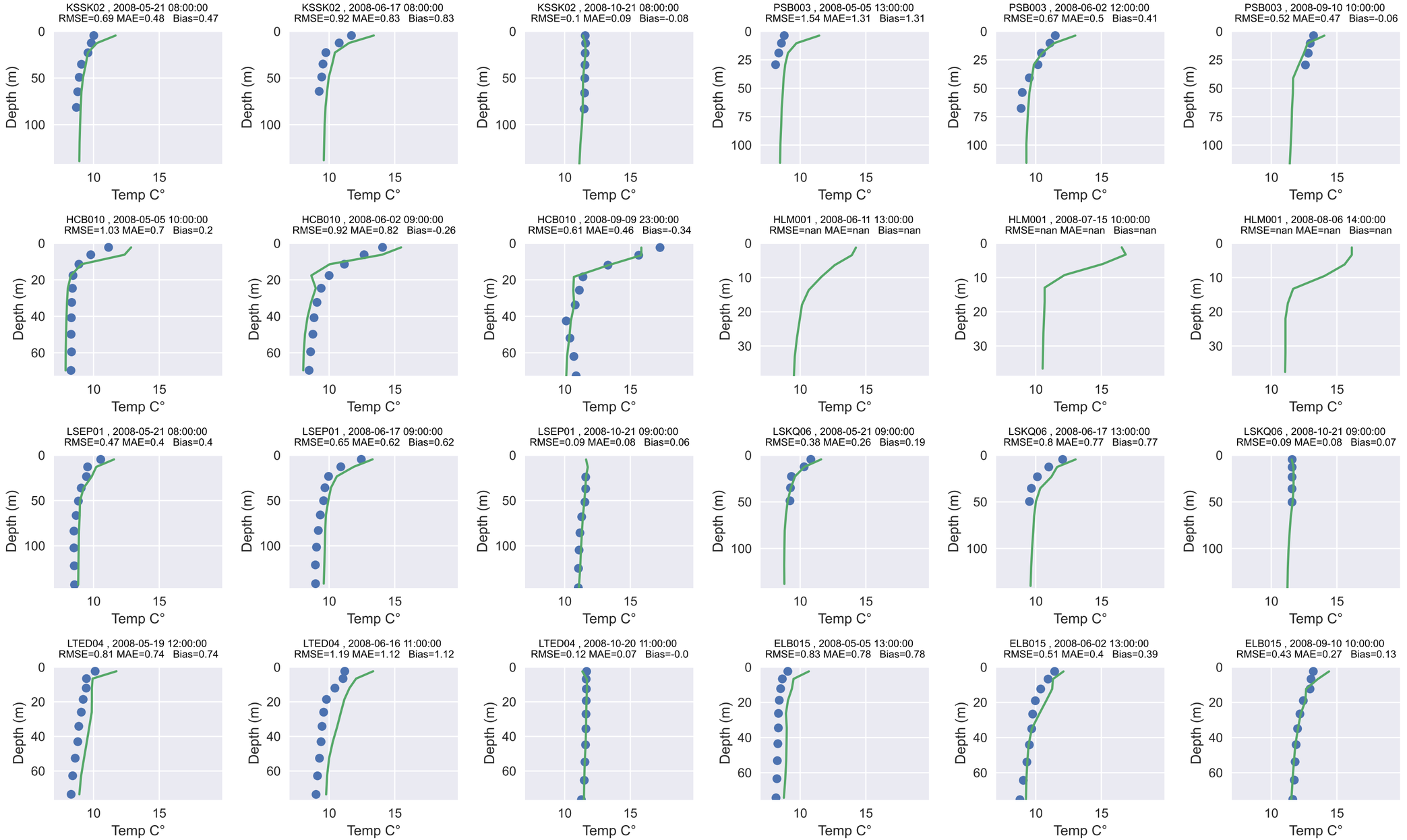

BUD005
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PAR E/m2/day
180
140
100
60
20
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

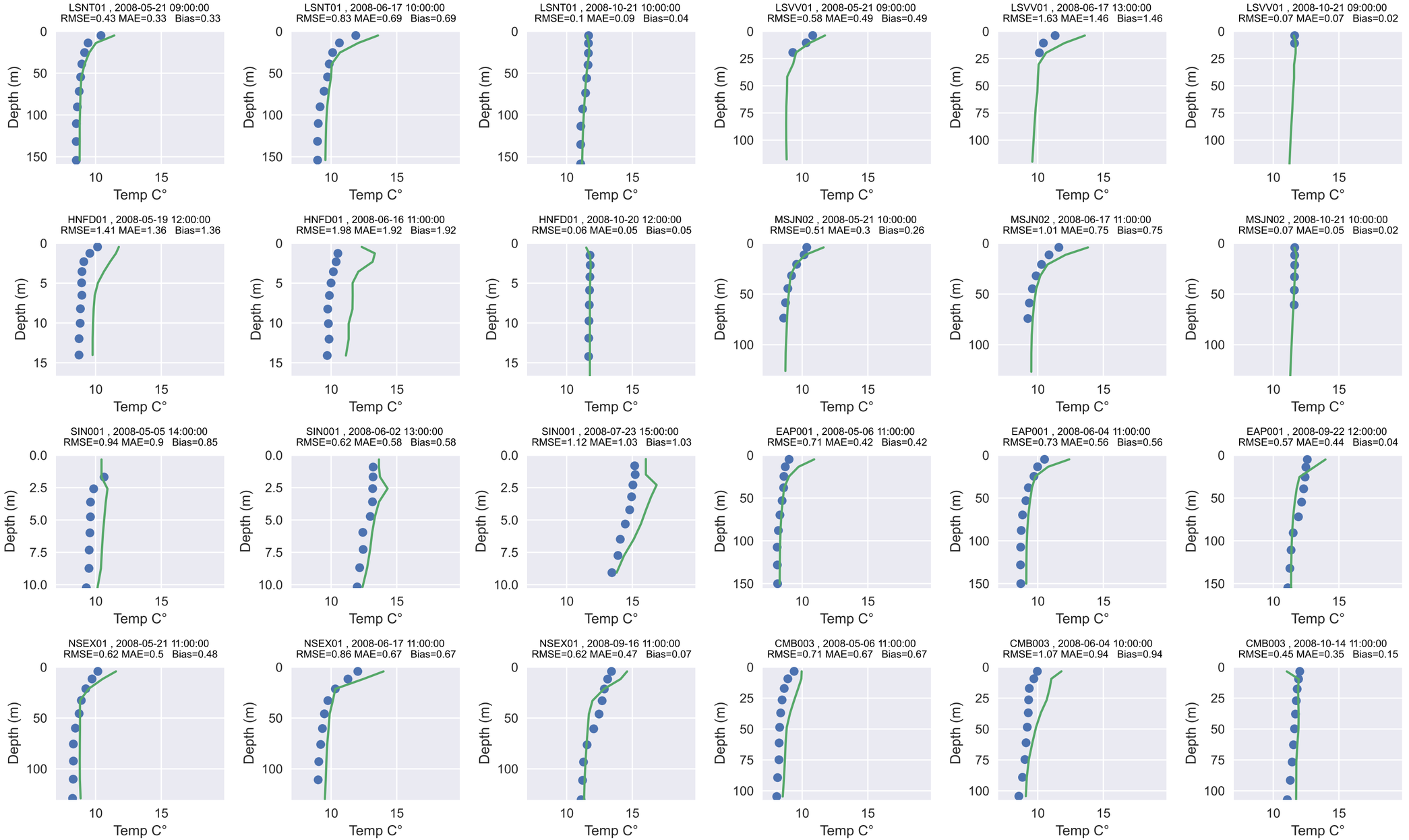

CSE002
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PAR E/m2/day
180
140
100
60
20
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

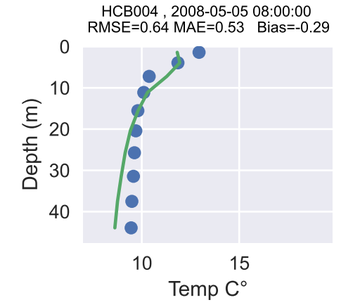
OAK004
Layer 1 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
Layer 10 R=nan RMSE=nan MAE=nan Bias=nan $\bar{N}$=0
PAR E/m2/day
180
140
100
60
20
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan

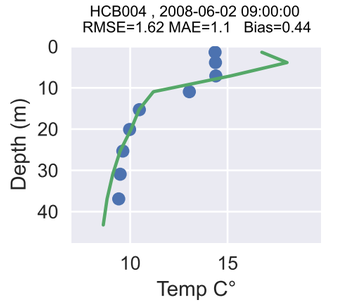

SJF002 , 2008-05-23 11:00:00
RMSE=0.6 MAE=0.41 Bias=0.34
SJF002 , 2008-06-17 11:00:00
RMSE=0.67 MAE=0.44 Bias=0.29
SJF002 , 2008-10-21 11:00:00
RMSE=0.36 MAE=0.3 Bias=0.3
SJF001 , 2008-05-23 10:00:00
RMSE=1.04 MAE=0.69 Bias=0.6
SJF001 , 2008-06-17 10:00:00
RMSE=1.21 MAE=0.76 Bias=0.55
SJF001 , 2008-10-21 10:00:00
RMSE=0.24 MAE=0.2 Bias=-0.02
SJF000 , 2008-05-23 09:00:00
RMSE=0.73 MAE=0.43 Bias=0.41
SJF000 , 2008-06-17 09:00:00
RMSE=1.08 MAE=0.6 Bias=0.6
SJF000 , 2008-09-29 09:00:00
RMSE=0.91 MAE=0.68 Bias=0.68
ADM002 , 2008-05-12 10:00:00
RMSE=0.32 MAE=0.25 Bias=0.12
ADM002 , 2008-06-11 11:00:00
RMSE=0.64 MAE=0.35 Bias=0.33
PR21a , 2008-08-13 15:00:00
RMSE=1.26 MAE=0.83 Bias=0.46
GRG002 , 2008-05-12 09:00:00
RMSE=0.63 MAE=0.34 Bias=0.33
GRG002 , 2008-06-11 09:00:00
RMSE=0.56 MAE=0.34 Bias=0.26
GRG002 , 2008-10-27 10:00:00
RMSE=0.91 MAE=0.78 Bias=0.78
PTH005 , 2008-04-08 10:00:00
RMSE=0.12 MAE=0.1 Bias=-0.01
PTH005 , 2008-05-12 11:00:00
RMSE=0.15 MAE=0.12 Bias=0.03
PTH005 , 2008-09-02 10:00:00
RMSE=0.39 MAE=0.35 Bias=-0.35
BLL009 , 2008-05-12 09:00:00
RMSE=1.99 MAE=1.87 Bias=1.87
BLL009 , 2008-07-15 11:00:00
RMSE=2.29 MAE=2.16 Bias=-2.16
BLL009 , 2008-10-27 11:00:00
RMSE=0.59 MAE=0.55 Bias=0.55
ADM001 , 2008-05-05 11:00:00
RMSE=0.65 MAE=0.32 Bias=0.3
ADM001 , 2008-06-02 10:00:00
RMSE=0.69 MAE=0.47 Bias=0.07
ADM001 , 2008-09-10 08:00:00
RMSE=0.54 MAE=0.49 Bias=-0.16
Depth (m)
Temp C°

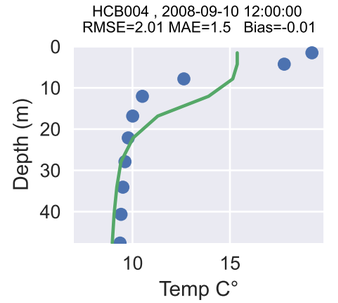

ADM003 , 2008-05-05 12:00:00
RMSE=0.54 MAE=0.43 Bias=0.43
ADM003 , 2008-06-02 11:00:00
RMSE=0.76 MAE=0.65 Bias=0.65
ADM003 , 2008-09-10 09:00:00
RMSE=0.31 MAE=0.29 Bias=-0.14
SKG003 , 2008-06-11 10:00:00
RMSE=2.11 MAE=2.07 Bias=2.07
SKG003 , 2008-07-15 12:00:00
RMSE=1.7 MAE=1.66 Bias=1.32
SKG003 , 2008-08-06 11:00:00
RMSE=1.02 MAE=0.84 Bias=0.59
JSUR01 , 2008-05-19 09:00:00
RMSE=0.38 MAE=0.37 Bias=0.37
JSUR01 , 2008-06-16 10:00:00
RMSE=0.77 MAE=0.72 Bias=0.72
JSUR01 , 2008-10-20 10:00:00
RMSE=0.11 MAE=0.09 Bias=-0.08
KSBP01 , 2008-05-19 09:00:00
RMSE=0.36 MAE=0.36 Bias=0.36
KSBP01 , 2008-06-16 09:00:00
RMSE=0.73 MAE=0.67 Bias=0.67
KSBP01 , 2008-10-20 09:00:00
RMSE=0.11 MAE=0.1 Bias=0.04
PNN001 , 2008-06-11 12:00:00
RMSE=nan MAE=nan Bias=nan
PNN001 , 2008-07-15 13:00:00
RMSE=nan MAE=nan Bias=nan
PNN001 , 2008-08-06 13:00:00
RMSE=nan MAE=nan Bias=nan
CK200P , 2008-05-19 08:00:00
RMSE=0.72 MAE=0.55 Bias=0.55
CK200P , 2008-06-16 08:00:00
RMSE=0.86 MAE=0.84 Bias=0.84
CK200P , 2008-10-20 08:00:00
RMSE=0.1 MAE=0.09 Bias=0.06
PSS019 , 2008-05-12 12:00:00
RMSE=0.83 MAE=0.8 Bias=0.8
PSS019 , 2008-06-11 13:00:00
RMSE=1.06 MAE=0.95 Bias=0.95
PSS019 , 2008-10-27 07:00:00
RMSE=0.58 MAE=0.54 Bias=0.54
SAR003 , 2008-05-12 12:00:00
RMSE=0.68 MAE=0.64 Bias=0.64
SAR003 , 2008-06-11 13:00:00
RMSE=1.18 MAE=1.09 Bias=1.09
SAR003 , 2008-10-27 12:00:00
RMSE=0.45 MAE=0.41 Bias=0.41
Depth (m)
Temp C°

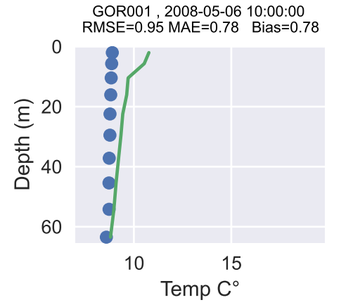

KSSK02 , 2008-05-21 08:00:00
RMSE=0.69 MAE=0.48 Bias=0.47
KSSK02 , 2008-06-17 08:00:00
RMSE=0.92 MAE=0.83 Bias=0.83
KSSK02 , 2008-10-21 08:00:00
RMSE=0.1 MAE=0.09 Bias=-0.08
PSB003 , 2008-05-05 13:00:00
RMSE=1.54 MAE=1.31 Bias=1.31
PSB003 , 2008-06-02 12:00:00
RMSE=0.67 MAE=0.5 Bias=0.41
PSB003 , 2008-09-10 10:00:00
RMSE=0.52 MAE=0.47 Bias=-0.06
HCB010 , 2008-05-05 10:00:00
RMSE=1.03 MAE=0.7 Bias=0.2
HCB010 , 2008-06-02 09:00:00
RMSE=0.92 MAE=0.82 Bias=-0.26
HCB010 , 2008-09-09 23:00:00
RMSE=0.61 MAE=0.46 Bias=-0.34
HLM001 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-07-15 10:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-08-06 14:00:00
RMSE=nan MAE=nan Bias=nan
LSEP01 , 2008-05-21 08:00:00
RMSE=0.47 MAE=0.4 Bias=0.4
LSEP01 , 2008-06-17 09:00:00
RMSE=0.65 MAE=0.62 Bias=0.62
LSEP01 , 2008-10-21 09:00:00
RMSE=0.09 MAE=0.08 Bias=0.06
LSKQ06 , 2008-05-21 09:00:00
RMSE=0.38 MAE=0.26 Bias=0.19
LSKQ06 , 2008-06-17 13:00:00
RMSE=0.8 MAE=0.77 Bias=0.77
LSKQ06 , 2008-10-21 09:00:00
RMSE=0.09 MAE=0.08 Bias=0.07
LTED04 , 2008-05-19 12:00:00
RMSE=0.81 MAE=0.74 Bias=0.74
LTED04 , 2008-06-16 11:00:00
RMSE=1.19 MAE=1.12 Bias=1.12
LTED04 , 2008-10-20 11:00:00
RMSE=0.12 MAE=0.07 Bias=-0.0
ELB015 , 2008-05-05 13:00:00
RMSE=0.83 MAE=0.78 Bias=0.78
ELB015 , 2008-06-02 13:00:00
RMSE=0.51 MAE=0.4 Bias=0.39
ELB015 , 2008-09-10 10:00:00
RMSE=0.43 MAE=0.27 Bias=0.13
Depth (m)
Temp C°

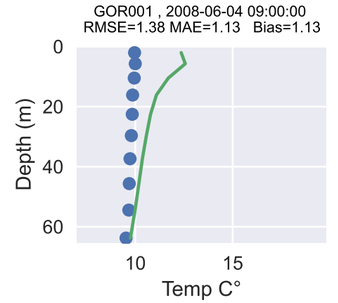

LSNT01 , 2008-05-21 09:00:00
RMSE=0.43 MAE=0.33 Bias=0.33
LSNT01 , 2008-06-17 10:00:00
RMSE=0.83 MAE=0.69 Bias=0.69
LSNT01 , 2008-10-21 10:00:00
RMSE=0.1 MAE=0.09 Bias=0.04
LSVV01 , 2008-05-21 09:00:00
RMSE=0.58 MAE=0.49 Bias=0.49
LSVV01 , 2008-06-17 13:00:00
RMSE=1.63 MAE=1.46 Bias=1.46
LSVV01 , 2008-10-21 09:00:00
RMSE=0.07 MAE=0.07 Bias=0.02
HNFD01 , 2008-05-19 12:00:00
RMSE=1.41 MAE=1.36 Bias=1.36
HNFD01 , 2008-06-16 11:00:00
RMSE=1.98 MAE=1.92 Bias=1.92
HNFD01 , 2008-10-20 12:00:00
RMSE=0.06 MAE=0.05 Bias=0.05
MSJN02 , 2008-05-21 10:00:00
RMSE=0.51 MAE=0.3 Bias=0.26
MSJN02 , 2008-06-17 11:00:00
RMSE=1.01 MAE=0.75 Bias=0.75
MSJN02 , 2008-10-21 10:00:00
RMSE=0.07 MAE=0.05 Bias=0.02
SIN001 , 2008-05-05 14:00:00
RMSE=0.94 MAE=0.9 Bias=0.85
SIN001 , 2008-06-02 13:00:00
RMSE=0.62 MAE=0.58 Bias=0.58
SIN001 , 2008-07-23 15:00:00
RMSE=1.12 MAE=1.03 Bias=1.03
EAP001 , 2008-05-06 11:00:00
RMSE=0.71 MAE=0.42 Bias=0.42
EAP001 , 2008-06-04 11:00:00
RMSE=0.73 MAE=0.56 Bias=0.56
EAP001 , 2008-09-22 12:00:00
RMSE=0.57 MAE=0.44 Bias=0.04
NSEX01 , 2008-05-21 11:00:00
RMSE=0.62 MAE=0.5 Bias=0.48
NSEX01 , 2008-06-17 11:00:00
RMSE=0.86 MAE=0.67 Bias=0.67
NSEX01 , 2008-09-16 11:00:00
RMSE=0.62 MAE=0.47 Bias=0.07
CMB003 , 2008-05-06 11:00:00
RMSE=0.71 MAE=0.67 Bias=0.67
CMB003 , 2008-06-04 10:00:00
RMSE=1.07 MAE=0.94 Bias=0.94
CMB003 , 2008-10-14 11:00:00
RMSE=0.45 MAE=0.35 Bias=0.15
Depth (m)
Temp C°

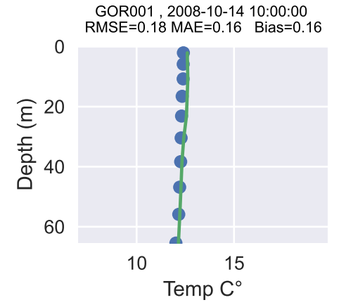

HCB004 , 2008-05-05 08:00:00
RMSE=0.64 MAE=0.53 Bias=-0.29
Depth (m)
Temp C°

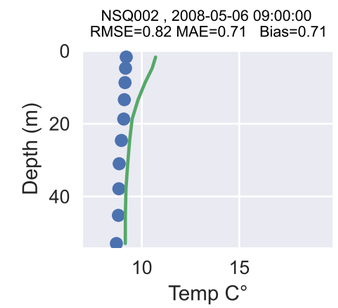

HCB004 , 2008-06-02 09:00:00
RMSE=1.62 MAE=1.1 Bias=0.44
Depth (m)
Temp C°

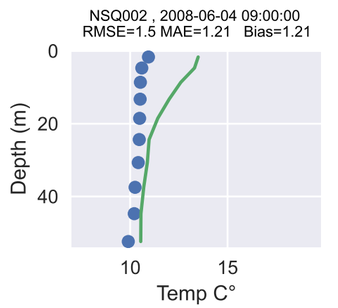

HCB004 , 2008-09-10 12:00:00
RMSE=2.01 MAE=1.5 Bias=-0.01
Depth (m)
Temp C°

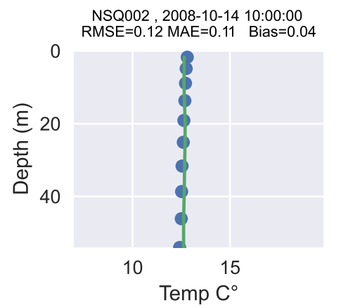

GOR001 , 2008-05-06 10:00:00
RMSE=0.95 MAE=0.78 Bias=0.78
Depth (m)
Temp C°

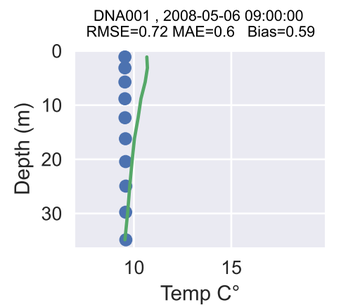

GOR001 , 2008-06-04 09:00:00
RMSE=1.38 MAE=1.13 Bias=1.13
Depth (m)
Temp C°

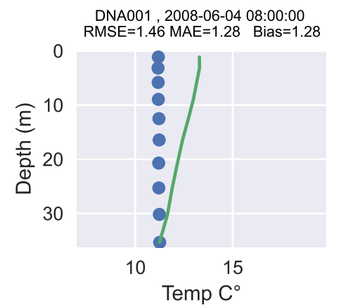

GOR001 , 2008-10-14 10:00:00
RMSE=0.18 MAE=0.16 Bias=0.16
Depth (m)
Temp C°

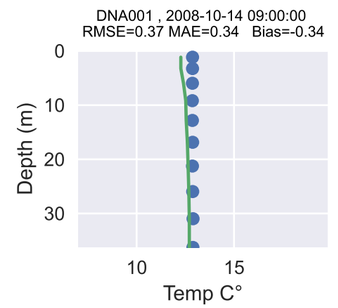

NSQ002 , 2008-05-06 09:00:00
RMSE=0.82 MAE=0.71 Bias=0.71
Depth (m)
Temp C°

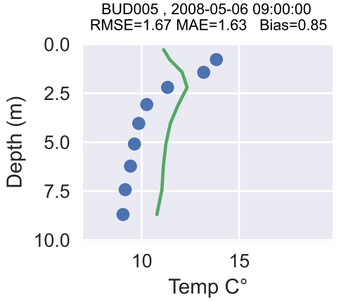

NSQ002 , 2008-06-04 09:00:00
RMSE=1.5 MAE=1.21 Bias=1.21
Depth (m)
Temp C°

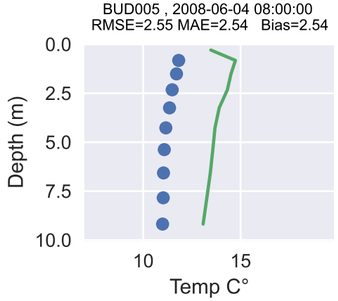

NSQ002 , 2008-10-14 10:00:00
RMSE=0.12 MAE=0.11 Bias=0.04
Depth (m)
Temp C°

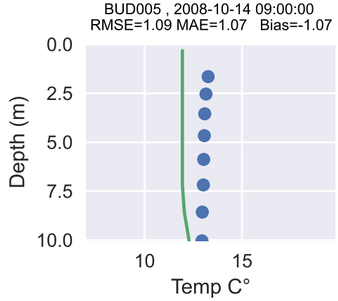

DNA001 , 2008-05-06 09:00:00
RMSE=0.72 MAE=0.6 Bias=0.59
Depth (m)
Temp C°

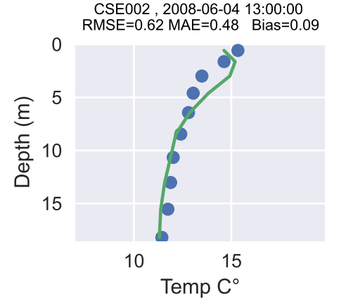

DNA001 , 2008-06-04 08:00:00
RMSE=1.46 MAE=1.28 Bias=1.28
Depth (m)
Temp C°

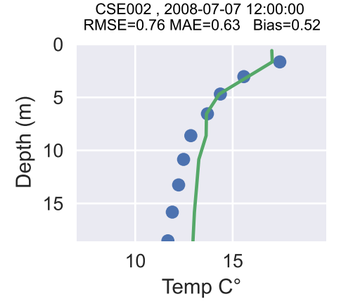

DNA001 , 2008-10-14 09:00:00
RMSE=0.37 MAE=0.34 Bias=-0.34
Depth (m)
Temp C°

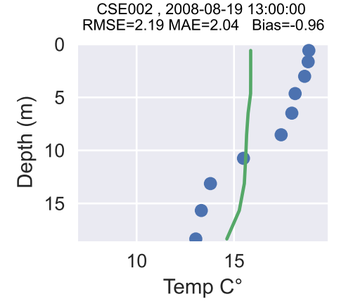

BUD005 , 2008-05-06 09:00:00
RMSE=1.67 MAE=1.63 Bias=0.85
Depth (m)
Temp C°

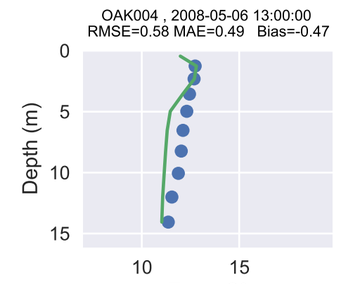

BUD005 , 2008-06-04 08:00:00
RMSE=2.55 MAE=2.54 Bias=2.54
Depth (m)
Temp C°

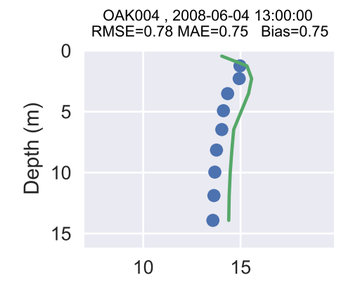

BUD005 , 2008-10-14 09:00:00
RMSE=1.09 MAE=1.07 Bias=-1.07
Depth (m)
Temp C°

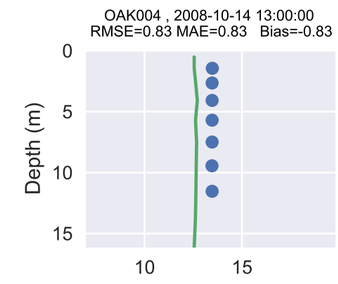

CSE002 , 2008-06-04 13:00:00
RMSE=0.62 MAE=0.48 Bias=0.09
Depth (m)
Temp C°

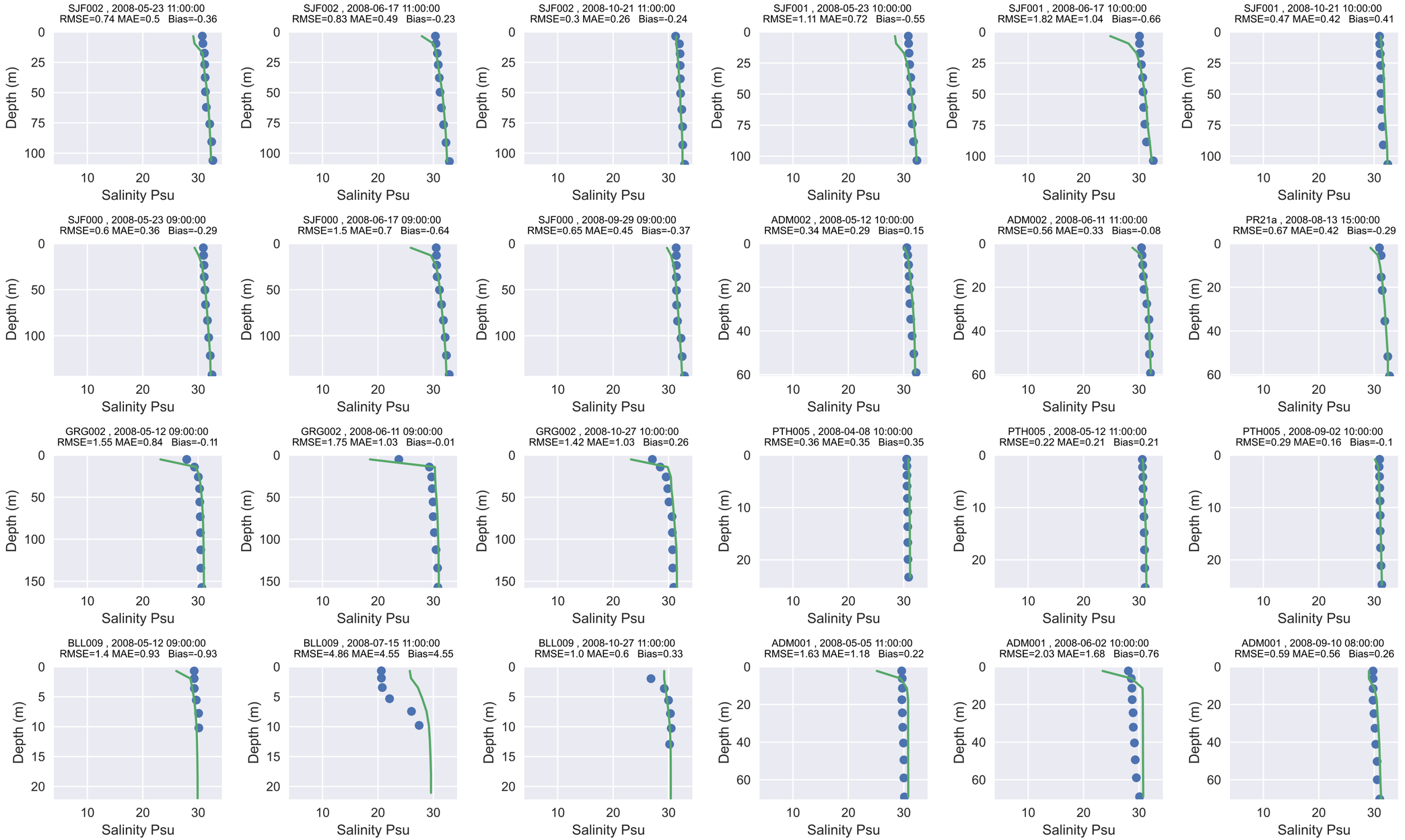

CSE002 , 2008-07-07 12:00:00
RMSE=0.76 MAE=0.63 Bias=0.52
Depth (m)
Temp C°

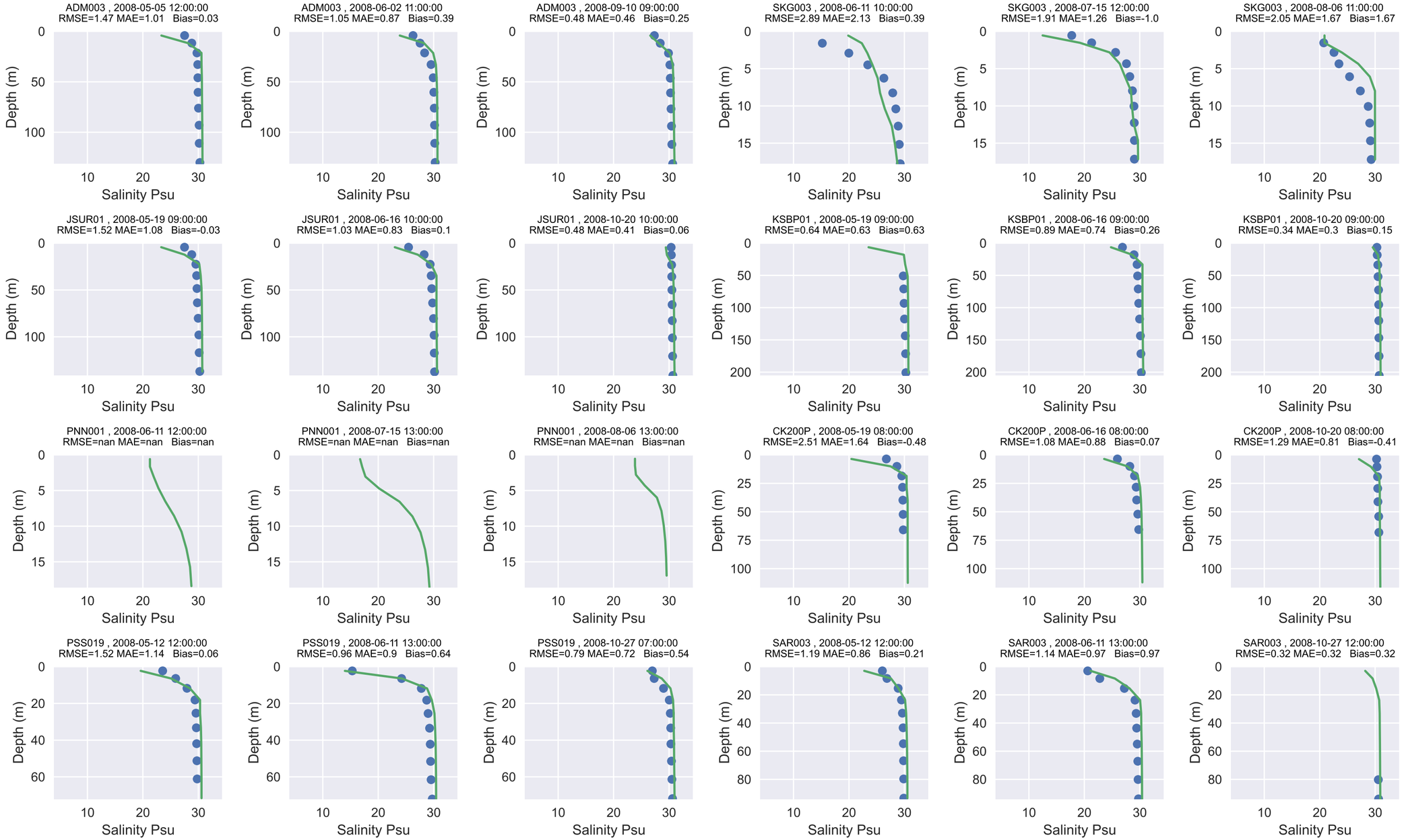

CSE002 , 2008-08-19 13:00:00
RMSE=2.19 MAE=2.04 Bias=-0.96
Depth (m)
Temp C°

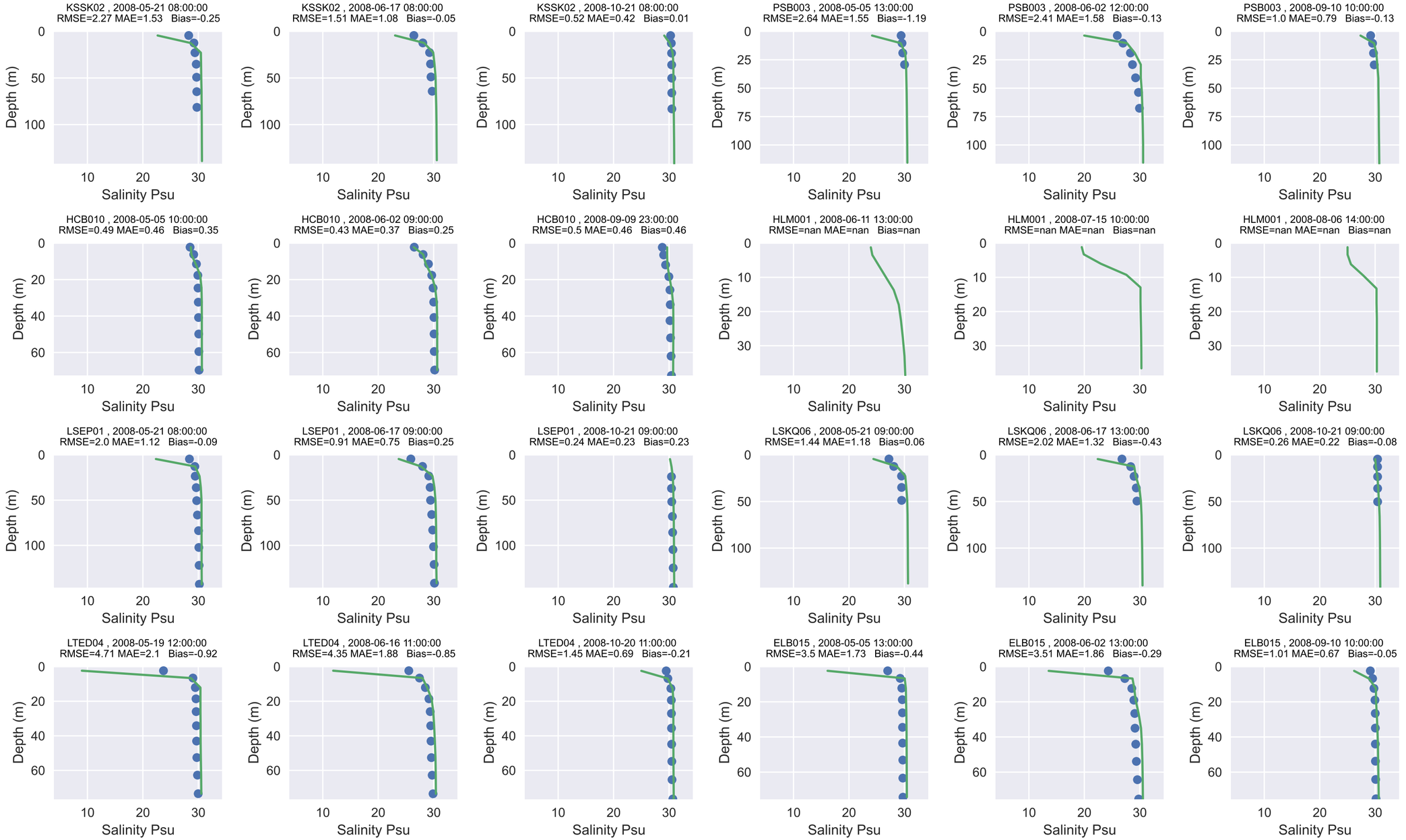

OAK004 , 2008-05-06 13:00:00
RMSE=0.58 MAE=0.49 Bias=-0.47
Depth (m)
Temp C°

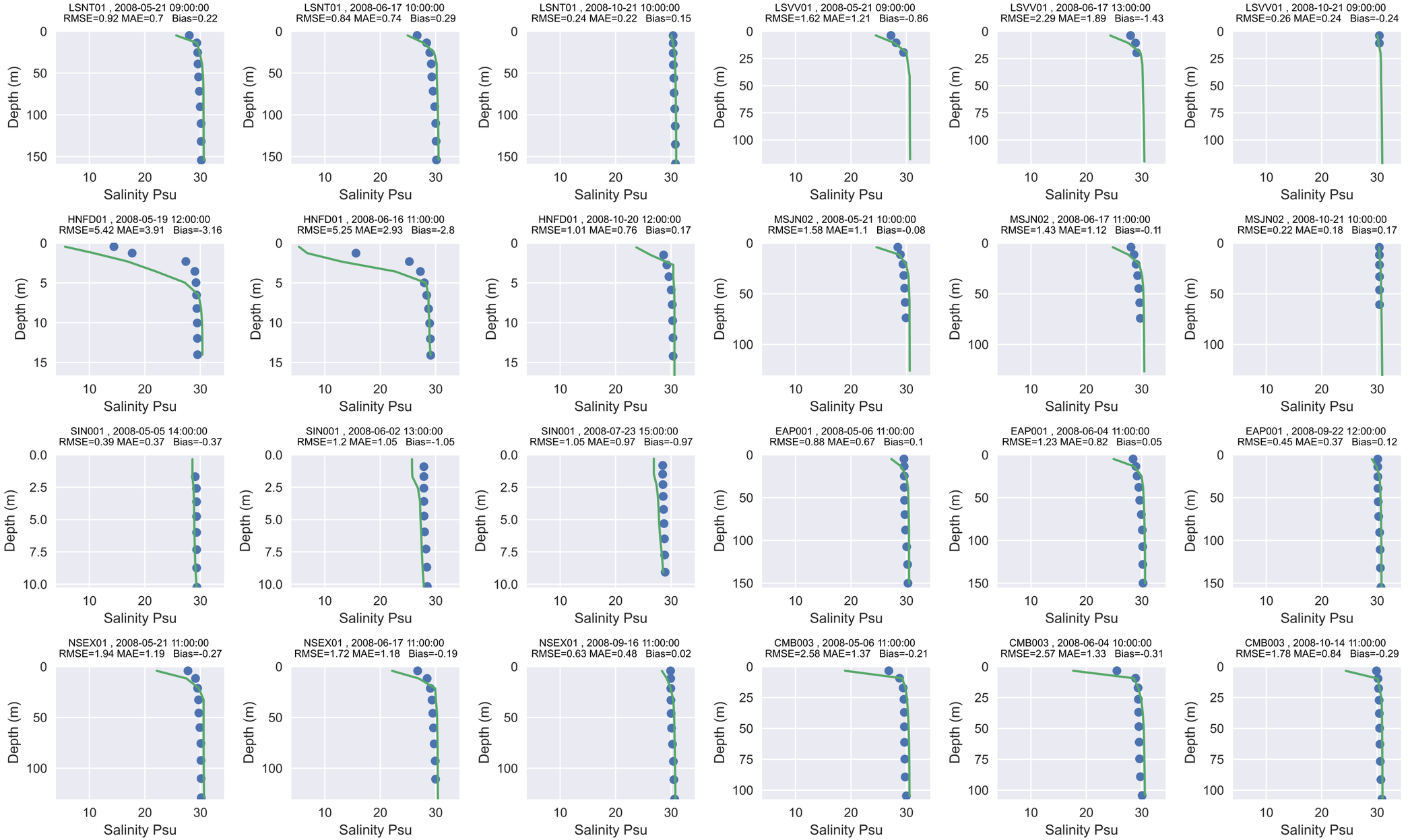

OAK004 , 2008-06-04 13:00:00
RMSE=0.78 MAE=0.75 Bias=0.75
Depth (m)
Temp C°

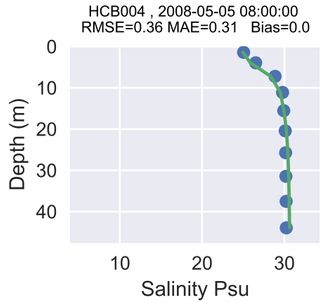

OAK004 , 2008-10-14 13:00:00
RMSE=0.83 MAE=0.83 Bias=-0.83
Depth (m)
Temp C°

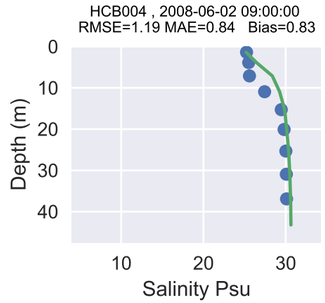

SJF002 , 2008-05-23 11:00:00
RMSE=0.74 MAE=0.5 Bias=-0.36
SJF002 , 2008-06-17 11:00:00
RMSE=0.83 MAE=0.49 Bias=-0.23
SJF002 , 2008-10-21 11:00:00
RMSE=0.3 MAE=0.26 Bias=-0.24
SJF001 , 2008-05-23 10:00:00
RMSE=1.11 MAE=0.72 Bias=-0.55
SJF001 , 2008-06-17 10:00:00
RMSE=1.82 MAE=1.04 Bias=-0.66
SJF001 , 2008-10-21 10:00:00
RMSE=0.47 MAE=0.42 Bias=0.41
SJF000 , 2008-05-23 09:00:00
RMSE=0.6 MAE=0.36 Bias=-0.29
SJF000 , 2008-06-17 09:00:00
RMSE=1.5 MAE=0.7 Bias=-0.64
SJF000 , 2008-09-29 09:00:00
RMSE=0.65 MAE=0.45 Bias=-0.37
ADM002 , 2008-05-12 10:00:00
RMSE=0.34 MAE=0.29 Bias=0.15
ADM002 , 2008-06-11 11:00:00
RMSE=0.56 MAE=0.33 Bias=-0.08
PR21a , 2008-08-13 15:00:00
RMSE=0.67 MAE=0.42 Bias=-0.29
GRG002 , 2008-05-12 09:00:00
RMSE=1.55 MAE=0.84 Bias=-0.11
GRG002 , 2008-06-11 09:00:00
RMSE=1.75 MAE=1.03 Bias=-0.01
GRG002 , 2008-10-27 10:00:00
RMSE=1.42 MAE=1.03 Bias=0.26
PTH005 , 2008-04-08 10:00:00
RMSE=0.36 MAE=0.35 Bias=0.35
PTH005 , 2008-05-12 11:00:00
RMSE=0.22 MAE=0.21 Bias=0.21
PTH005 , 2008-09-02 10:00:00
RMSE=0.29 MAE=0.16 Bias=-0.1
BLL009 , 2008-05-12 09:00:00
RMSE=1.4 MAE=0.93 Bias=-0.93
BLL009 , 2008-07-15 11:00:00
RMSE=4.86 MAE=4.55 Bias=4.55
BLL009 , 2008-10-27 11:00:00
RMSE=1.0 MAE=0.6 Bias=0.33
ADM001 , 2008-05-05 11:00:00
RMSE=1.63 MAE=1.18 Bias=0.22
ADM001 , 2008-06-02 10:00:00
RMSE=2.03 MAE=1.68 Bias=0.76
ADM001 , 2008-09-10 08:00:00
RMSE=0.59 MAE=0.56 Bias=0.26
Depth (m)
Salinity Psu

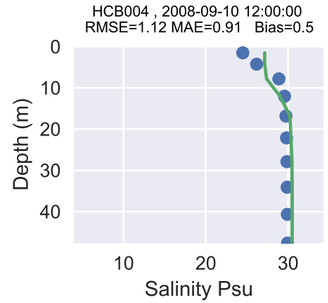

ADM003 , 2008-05-05 12:00:00
RMSE=1.47 MAE=1.01 Bias=0.03
ADM003 , 2008-06-02 11:00:00
RMSE=1.05 MAE=0.87 Bias=0.39
ADM003 , 2008-09-10 09:00:00
RMSE=0.48 MAE=0.46 Bias=0.25
SKG003 , 2008-06-11 10:00:00
RMSE=2.89 MAE=2.13 Bias=0.39
SKG003 , 2008-07-15 12:00:00
RMSE=1.91 MAE=1.26 Bias=-1.0
SKG003 , 2008-08-06 11:00:00
RMSE=2.05 MAE=1.67 Bias=1.67
JSUR01 , 2008-05-19 09:00:00
RMSE=1.52 MAE=1.08 Bias=-0.03
JSUR01 , 2008-06-16 10:00:00
RMSE=1.03 MAE=0.83 Bias=0.1
JSUR01 , 2008-10-20 10:00:00
RMSE=0.48 MAE=0.41 Bias=0.06
KSBP01 , 2008-05-19 09:00:00
RMSE=0.64 MAE=0.63 Bias=0.63
KSBP01 , 2008-06-16 09:00:00
RMSE=0.89 MAE=0.74 Bias=0.26
KSBP01 , 2008-10-20 09:00:00
RMSE=0.34 MAE=0.3 Bias=0.15
PNN001 , 2008-06-11 12:00:00
RMSE=nan MAE=nan Bias=nan
PNN001 , 2008-07-15 13:00:00
RMSE=nan MAE=nan Bias=nan
PNN001 , 2008-08-06 13:00:00
RMSE=nan MAE=nan Bias=nan
CK200P , 2008-05-19 08:00:00
RMSE=2.51 MAE=1.64 Bias=-0.48
CK200P , 2008-06-16 08:00:00
RMSE=1.08 MAE=0.88 Bias=0.07
CK200P , 2008-10-20 08:00:00
RMSE=1.29 MAE=0.81 Bias=-0.41
PSS019 , 2008-05-12 12:00:00
RMSE=1.52 MAE=1.14 Bias=0.06
PSS019 , 2008-06-11 13:00:00
RMSE=0.96 MAE=0.9 Bias=0.64
PSS019 , 2008-10-27 07:00:00
RMSE=0.79 MAE=0.72 Bias=0.54
SAR003 , 2008-05-12 12:00:00
RMSE=1.19 MAE=0.86 Bias=0.21
SAR003 , 2008-06-11 13:00:00
RMSE=1.14 MAE=0.97 Bias=0.97
SAR003 , 2008-10-27 12:00:00
RMSE=0.32 MAE=0.32 Bias=0.32
Depth (m)
Salinity Psu

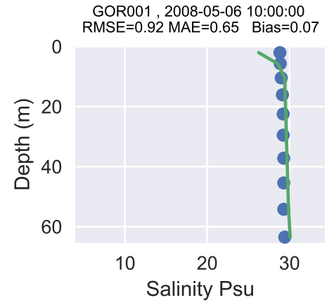

KSSK02 , 2008-05-21 08:00:00
RMSE=2.27 MAE=1.53 Bias=-0.25
KSSK02 , 2008-06-17 08:00:00
RMSE=1.51 MAE=1.08 Bias=-0.05
KSSK02 , 2008-10-21 08:00:00
RMSE=0.52 MAE=0.42 Bias=0.01
PSB003 , 2008-05-05 13:00:00
RMSE=2.64 MAE=1.55 Bias=-1.19
PSB003 , 2008-06-02 12:00:00
RMSE=2.41 MAE=1.58 Bias=-0.13
PSB003 , 2008-09-10 10:00:00
RMSE=1.0 MAE=0.79 Bias=-0.13
HCB010 , 2008-05-05 10:00:00
RMSE=0.49 MAE=0.46 Bias=0.35
HCB010 , 2008-06-02 09:00:00
RMSE=0.43 MAE=0.37 Bias=0.25
HCB010 , 2008-09-09 23:00:00
RMSE=0.5 MAE=0.46 Bias=0.46
HLM001 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-07-15 10:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-08-06 14:00:00
RMSE=nan MAE=nan Bias=nan
LSEP01 , 2008-05-21 08:00:00
RMSE=2.0 MAE=1.12 Bias=-0.09
LSEP01 , 2008-06-17 09:00:00
RMSE=0.91 MAE=0.75 Bias=0.25
LSEP01 , 2008-10-21 09:00:00
RMSE=0.24 MAE=0.23 Bias=0.23
LSKQ06 , 2008-05-21 09:00:00
RMSE=1.44 MAE=1.18 Bias=0.06
LSKQ06 , 2008-06-17 13:00:00
RMSE=2.02 MAE=1.32 Bias=-0.43
LSKQ06 , 2008-10-21 09:00:00
RMSE=0.26 MAE=0.22 Bias=-0.08
LTED04 , 2008-05-19 12:00:00
RMSE=4.71 MAE=2.1 Bias=-0.92
LTED04 , 2008-06-16 11:00:00
RMSE=4.35 MAE=1.88 Bias=-0.85
LTED04 , 2008-10-20 11:00:00
RMSE=1.45 MAE=0.69 Bias=-0.21
ELB015 , 2008-05-05 13:00:00
RMSE=3.5 MAE=1.73 Bias=-0.44
ELB015 , 2008-06-02 13:00:00
RMSE=3.51 MAE=1.86 Bias=-0.29
ELB015 , 2008-09-10 10:00:00
RMSE=1.01 MAE=0.67 Bias=-0.05
Depth (m)
Salinity Psu

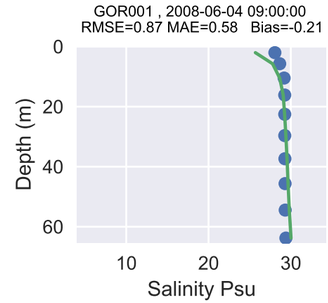

LSNT01 , 2008-05-21 09:00:00
RMSE=0.92 MAE=0.7 Bias=0.22
LSNT01 , 2008-06-17 10:00:00
RMSE=0.84 MAE=0.74 Bias=0.29
LSNT01 , 2008-10-21 10:00:00
RMSE=0.24 MAE=0.22 Bias=0.15
LSVV01 , 2008-05-21 09:00:00
RMSE=1.62 MAE=1.21 Bias=-0.86
LSVV01 , 2008-06-17 13:00:00
RMSE=2.29 MAE=1.89 Bias=-1.43
LSVV01 , 2008-10-21 09:00:00
RMSE=0.26 MAE=0.24 Bias=-0.24
HNFD01 , 2008-05-19 12:00:00
RMSE=5.42 MAE=3.91 Bias=-3.16
HNFD01 , 2008-06-16 11:00:00
RMSE=5.25 MAE=2.93 Bias=-2.8
HNFD01 , 2008-10-20 12:00:00
RMSE=1.01 MAE=0.76 Bias=0.17
MSJN02 , 2008-05-21 10:00:00
RMSE=1.58 MAE=1.1 Bias=-0.08
MSJN02 , 2008-06-17 11:00:00
RMSE=1.43 MAE=1.12 Bias=-0.11
MSJN02 , 2008-10-21 10:00:00
RMSE=0.22 MAE=0.18 Bias=0.17
SIN001 , 2008-05-05 14:00:00
RMSE=0.39 MAE=0.37 Bias=-0.37
SIN001 , 2008-06-02 13:00:00
RMSE=1.2 MAE=1.05 Bias=-1.05
SIN001 , 2008-07-23 15:00:00
RMSE=1.05 MAE=0.97 Bias=-0.97
EAP001 , 2008-05-06 11:00:00
RMSE=0.88 MAE=0.67 Bias=0.1
EAP001 , 2008-06-04 11:00:00
RMSE=1.23 MAE=0.82 Bias=0.05
EAP001 , 2008-09-22 12:00:00
RMSE=0.45 MAE=0.37 Bias=0.12
NSEX01 , 2008-05-21 11:00:00
RMSE=1.94 MAE=1.19 Bias=-0.27
NSEX01 , 2008-06-17 11:00:00
RMSE=1.72 MAE=1.18 Bias=-0.19
NSEX01 , 2008-09-16 11:00:00
RMSE=0.63 MAE=0.48 Bias=0.02
CMB003 , 2008-05-06 11:00:00
RMSE=2.58 MAE=1.37 Bias=-0.21
CMB003 , 2008-06-04 10:00:00
RMSE=2.57 MAE=1.33 Bias=-0.31
CMB003 , 2008-10-14 11:00:00
RMSE=1.78 MAE=0.84 Bias=-0.29
Depth (m)
Salinity Psu

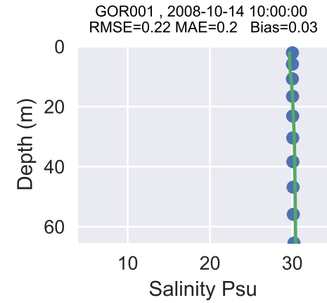

HCB004 , 2008-05-05 08:00:00
RMSE=0.36 MAE=0.31 Bias=0.0
Depth (m)
Salinity Psu

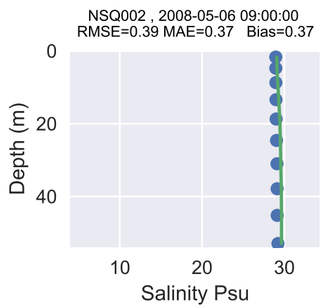

HCB004 , 2008-06-02 09:00:00
RMSE=1.19 MAE=0.84 Bias=0.83
Depth (m)
Salinity Psu

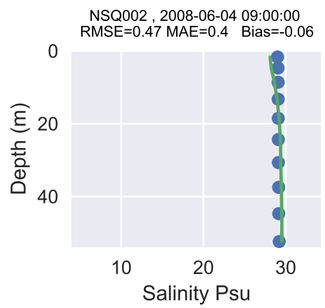

HCB004 , 2008-09-10 12:00:00
RMSE=1.12 MAE=0.91 Bias=0.5
Depth (m)
Salinity Psu

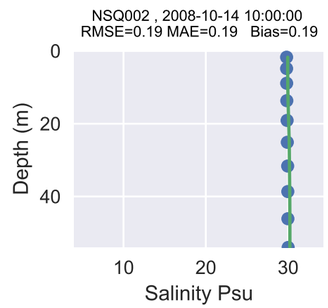

GOR001 , 2008-05-06 10:00:00
RMSE=0.92 MAE=0.65 Bias=0.07
Depth (m)
Salinity Psu

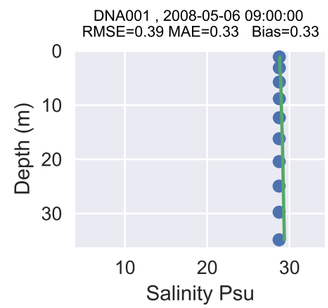

GOR001 , 2008-06-04 09:00:00
RMSE=0.87 MAE=0.58 Bias=-0.21
Depth (m)
Salinity Psu

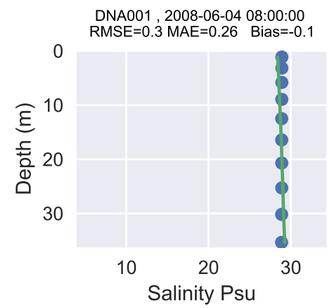

GOR001 , 2008-10-14 10:00:00
RMSE=0.22 MAE=0.2 Bias=0.03
Depth (m)
Salinity Psu

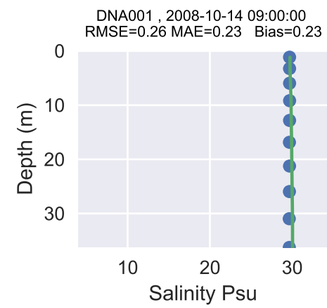

NSQ002 , 2008-05-06 09:00:00
RMSE=0.39 MAE=0.37 Bias=0.37
Depth (m)
Salinity Psu

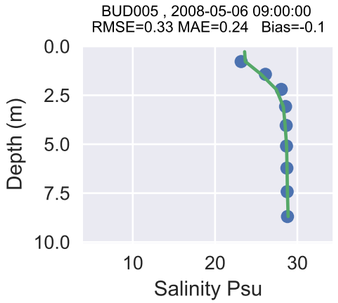

NSQ002 , 2008-06-04 09:00:00
RMSE=0.47 MAE=0.4 Bias=-0.06
Depth (m)
Salinity Psu

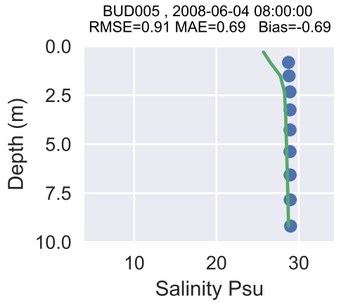

NSQ002 , 2008-10-14 10:00:00
RMSE=0.19 MAE=0.19 Bias=0.19
Depth (m)
Salinity Psu

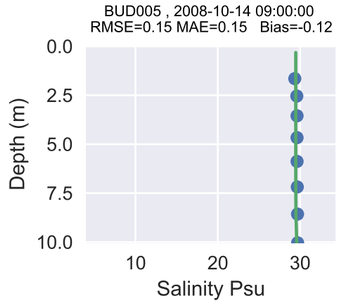

DNA001 , 2008-05-06 09:00:00
RMSE=0.39 MAE=0.33 Bias=0.33
Depth (m)
Salinity Psu

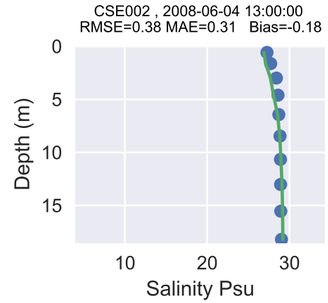

DNA001 , 2008-06-04 08:00:00
RMSE=0.3 MAE=0.26 Bias=-0.1
Depth (m)
Salinity Psu

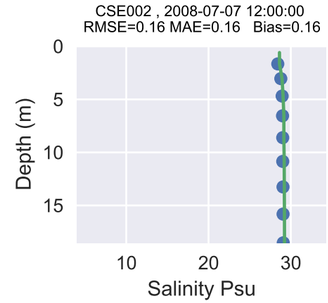

DNA001 , 2008-10-14 09:00:00
RMSE=0.26 MAE=0.23 Bias=0.23
Depth (m)
Salinity Psu

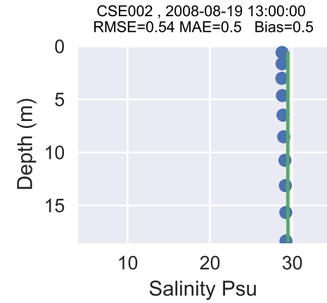

BUD005 , 2008-05-06 09:00:00
RMSE=0.33 MAE=0.24 Bias=-0.1
Depth (m)
Salinity Psu

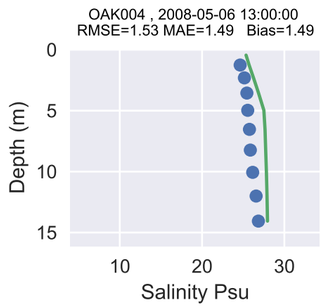

BUD005 , 2008-06-04 08:00:00
RMSE=0.91 MAE=0.69 Bias=-0.69
Depth (m)
Salinity Psu

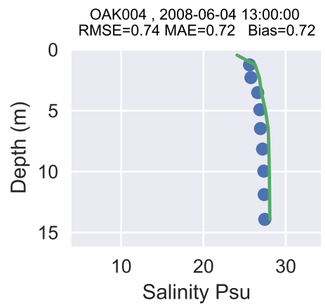

BUD005 , 2008-10-14 09:00:00
RMSE=0.15 MAE=0.15 Bias=-0.12
Depth (m)
Salinity Psu

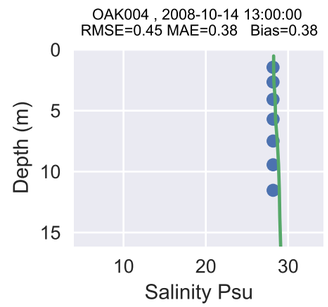

CSE002 , 2008-06-04 13:00:00
RMSE=0.38 MAE=0.31 Bias=-0.18
Depth (m)
Salinity Psu

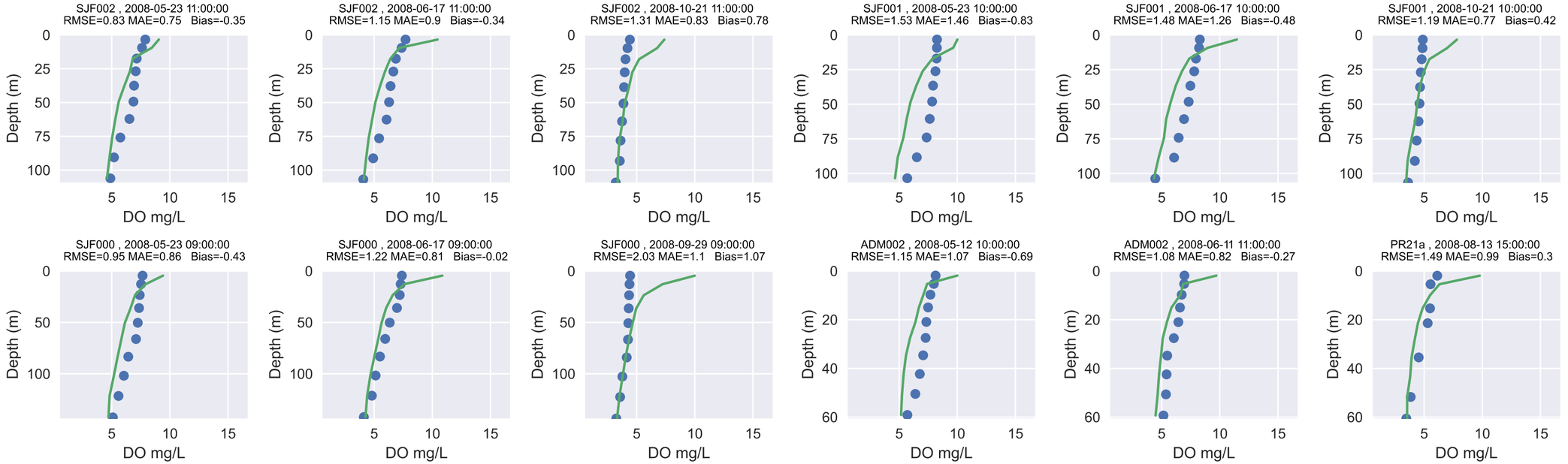

CSE002 , 2008-07-07 12:00:00
RMSE=0.16 MAE=0.16 Bias=0.16
Depth (m)
Salinity Psu

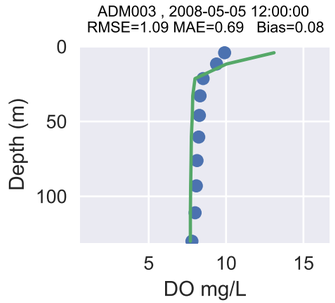

CSE002 , 2008-08-19 13:00:00
RMSE=0.54 MAE=0.5 Bias=0.5
Depth (m)
Salinity Psu

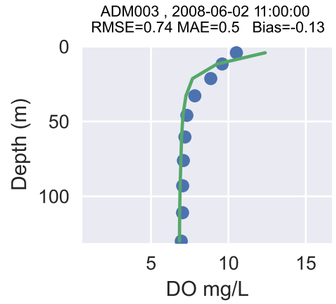

OAK004 , 2008-05-06 13:00:00
RMSE=1.53 MAE=1.49 Bias=1.49
Depth (m)
Salinity Psu

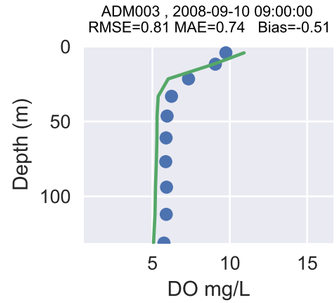

OAK004 , 2008-06-04 13:00:00
RMSE=0.74 MAE=0.72 Bias=0.72
Depth (m)
Salinity Psu

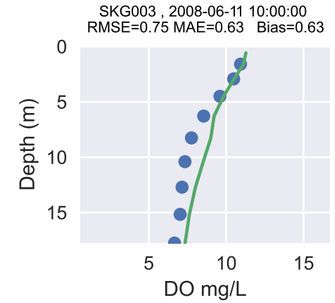

OAK004 , 2008-10-14 13:00:00
RMSE=0.45 MAE=0.38 Bias=0.38
Depth (m)
Salinity Psu

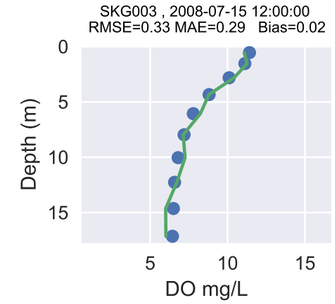

SJF002 , 2008-05-23 11:00:00
RMSE=0.83 MAE=0.75 Bias=-0.35
SJF002 , 2008-06-17 11:00:00
RMSE=1.15 MAE=0.9 Bias=-0.34
SJF002 , 2008-10-21 11:00:00
RMSE=1.31 MAE=0.83 Bias=0.78
SJF001 , 2008-05-23 10:00:00
RMSE=1.53 MAE=1.46 Bias=-0.83
SJF001 , 2008-06-17 10:00:00
RMSE=1.48 MAE=1.26 Bias=-0.48
SJF001 , 2008-10-21 10:00:00
RMSE=1.19 MAE=0.77 Bias=0.42
SJF000 , 2008-05-23 09:00:00
RMSE=0.95 MAE=0.86 Bias=-0.43
SJF000 , 2008-06-17 09:00:00
RMSE=1.22 MAE=0.81 Bias=-0.02
SJF000 , 2008-09-29 09:00:00
RMSE=2.03 MAE=1.1 Bias=1.07
ADM002 , 2008-05-12 10:00:00
RMSE=1.15 MAE=1.07 Bias=-0.69
ADM002 , 2008-06-11 11:00:00
RMSE=1.08 MAE=0.82 Bias=-0.27
PR21a , 2008-08-13 15:00:00
RMSE=1.49 MAE=0.99 Bias=0.3
GRG002 , 2008-05-12 09:00:00
RMSE=1.33 MAE=1.29 Bias=-1.2
GRG002 , 2008-06-11 09:00:00
RMSE=0.8 MAE=0.76 Bias=-0.52
GRG002 , 2008-10-27 10:00:00
RMSE=1.24 MAE=1.16 Bias=-1.12
PTH005 , 2008-04-08 10:00:00
RMSE=0.98 MAE=0.89 Bias=-0.87
PTH005 , 2008-05-12 11:00:00
RMSE=1.5 MAE=1.41 Bias=-1.41
PTH005 , 2008-09-02 10:00:00
RMSE=1.46 MAE=1.34 Bias=-1.34
BLL009 , 2008-05-12 09:00:00
RMSE=1.39 MAE=1.21 Bias=0.66
BLL009 , 2008-07-15 11:00:00
RMSE=1.5 MAE=1.34 Bias=0.54
BLL009 , 2008-10-27 11:00:00
RMSE=0.72 MAE=0.67 Bias=-0.67
ADM001 , 2008-05-05 11:00:00
RMSE=1.53 MAE=1.1 Bias=-0.06
ADM001 , 2008-06-02 10:00:00
RMSE=1.56 MAE=1.46 Bias=-0.99
ADM001 , 2008-09-10 08:00:00
RMSE=1.15 MAE=1.11 Bias=-0.82
Depth (m)
DO mg/L

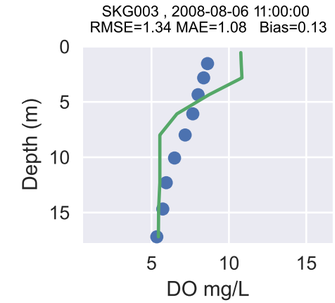

ADM003 , 2008-05-05 12:00:00
RMSE=1.09 MAE=0.69 Bias=0.08
Depth (m)
DO mg/L

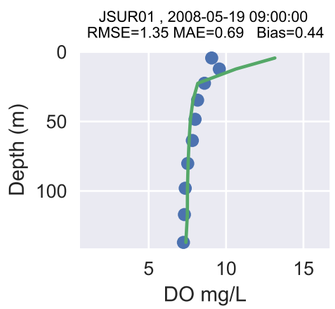

ADM003 , 2008-06-02 11:00:00
RMSE=0.74 MAE=0.5 Bias=-0.13
Depth (m)
DO mg/L

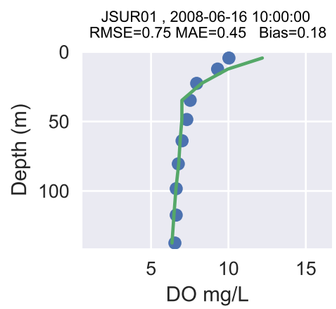

ADM003 , 2008-09-10 09:00:00
RMSE=0.81 MAE=0.74 Bias=-0.51
Depth (m)
DO mg/L

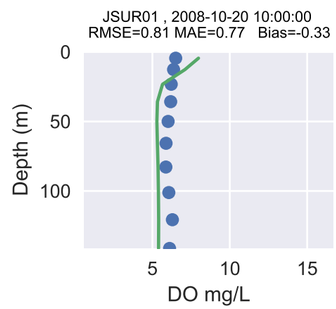

SKG003 , 2008-06-11 10:00:00
RMSE=0.75 MAE=0.63 Bias=0.63
Depth (m)
DO mg/L

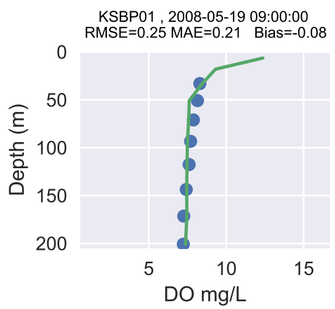

SKG003 , 2008-07-15 12:00:00
RMSE=0.33 MAE=0.29 Bias=0.02
Depth (m)
DO mg/L

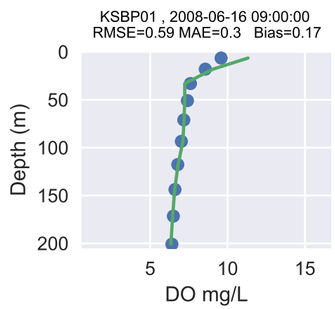

SKG003 , 2008-08-06 11:00:00
RMSE=1.34 MAE=1.08 Bias=0.13
Depth (m)
DO mg/L

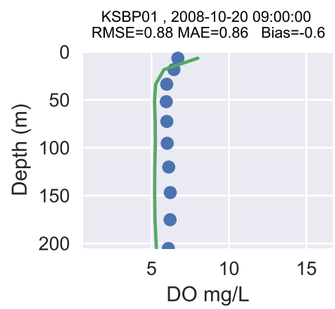

JSUR01 , 2008-05-19 09:00:00
RMSE=1.35 MAE=0.69 Bias=0.44
Depth (m)
DO mg/L

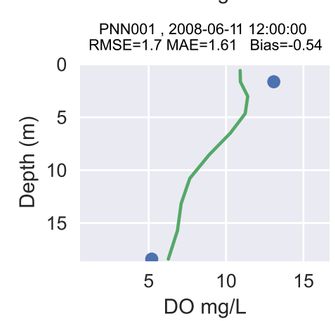

JSUR01 , 2008-06-16 10:00:00
RMSE=0.75 MAE=0.45 Bias=0.18
Depth (m)
DO mg/L

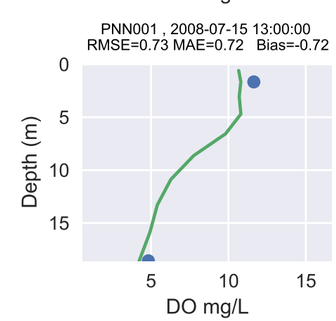

JSUR01 , 2008-10-20 10:00:00
RMSE=0.81 MAE=0.77 Bias=-0.33
Depth (m)
DO mg/L

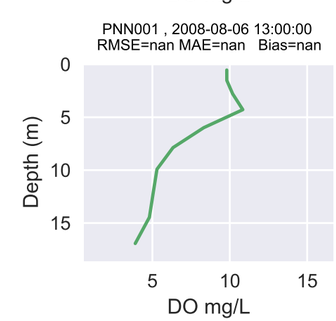

KSBP01 , 2008-05-19 09:00:00
RMSE=0.25 MAE=0.21 Bias=-0.08
Depth (m)
DO mg/L

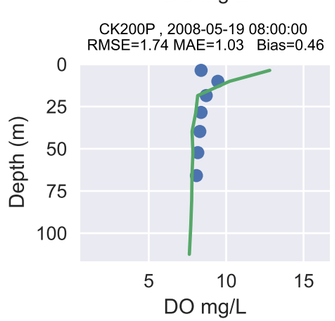

KSBP01 , 2008-06-16 09:00:00
RMSE=0.59 MAE=0.3 Bias=0.17
Depth (m)
DO mg/L

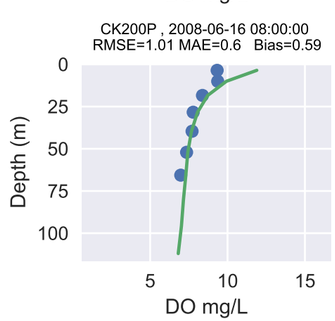

KSBP01 , 2008-10-20 09:00:00
RMSE=0.88 MAE=0.86 Bias=-0.6
Depth (m)
DO mg/L

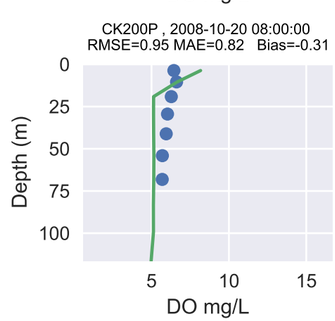

PNN001 , 2008-06-11 12:00:00
RMSE=1.7 MAE=1.61 Bias=-0.54
Depth (m)
DO mg/L

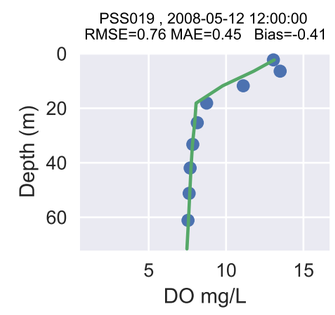

PNN001 , 2008-07-15 13:00:00
RMSE=0.73 MAE=0.72 Bias=-0.72
Depth (m)
DO mg/L

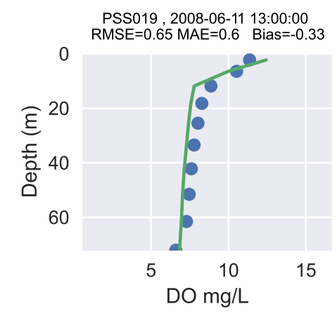

PNN001 , 2008-08-06 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
DO mg/L

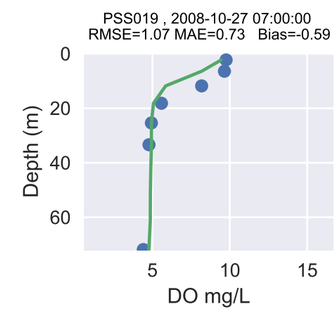

CK200P , 2008-05-19 08:00:00
RMSE=1.74 MAE=1.03 Bias=0.46
Depth (m)
DO mg/L

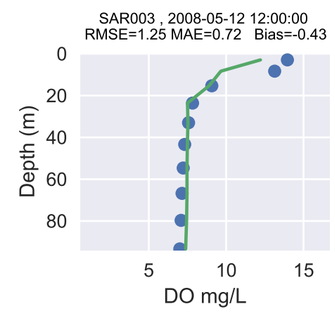

CK200P , 2008-06-16 08:00:00
RMSE=1.01 MAE=0.6 Bias=0.59
Depth (m)
DO mg/L

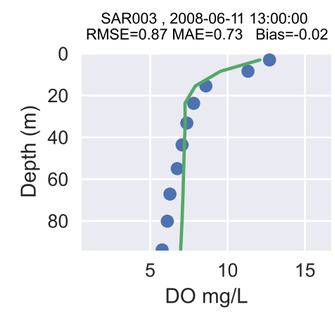

CK200P , 2008-10-20 08:00:00
RMSE=0.95 MAE=0.82 Bias=-0.31
Depth (m)
DO mg/L

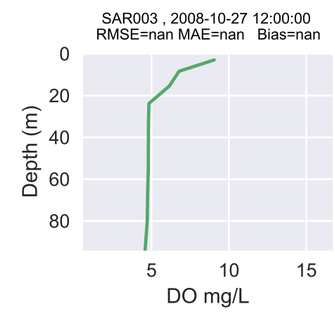

PSS019 , 2008-05-12 12:00:00
RMSE=0.76 MAE=0.45 Bias=-0.41
Depth (m)
DO mg/L

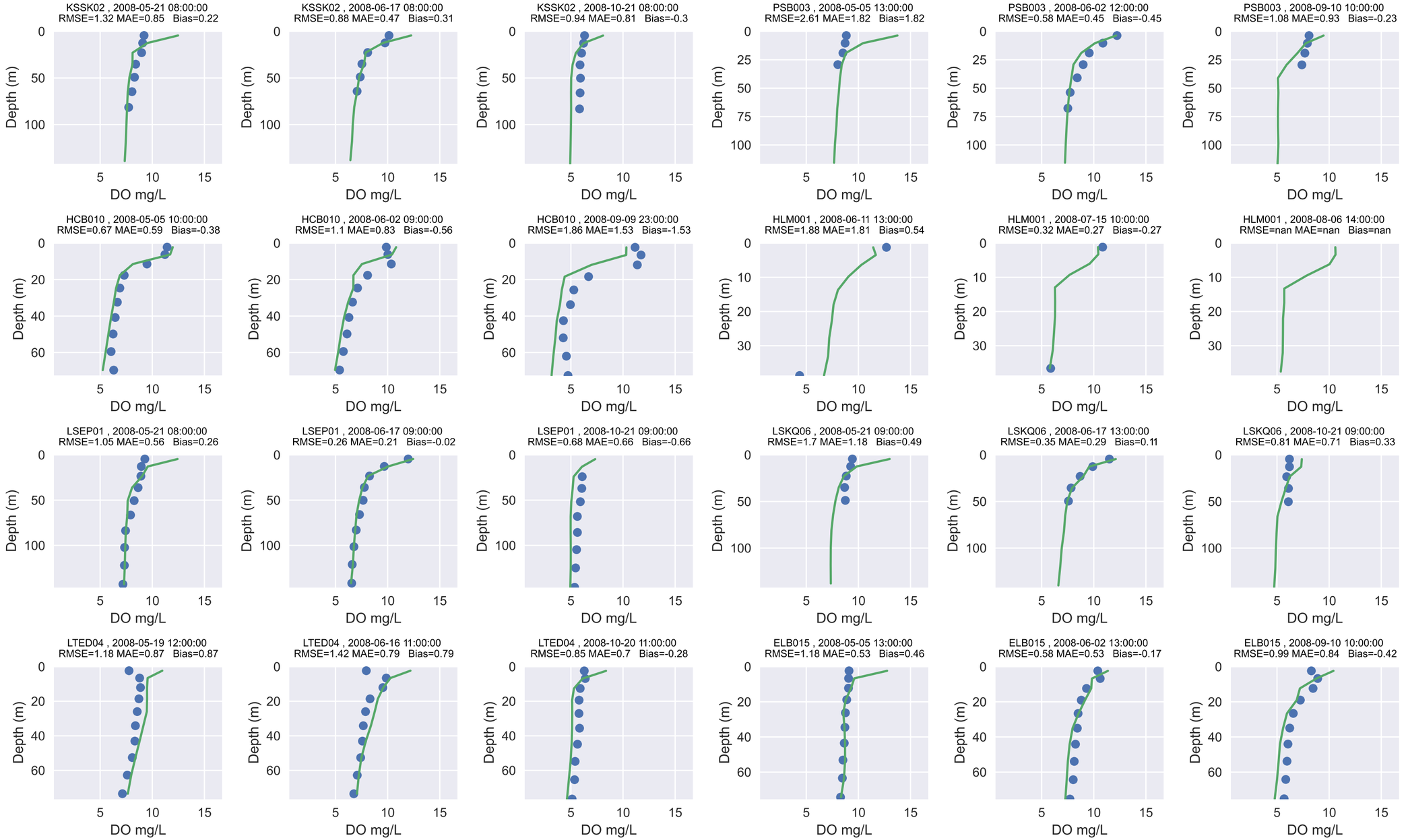

PSS019 , 2008-06-11 13:00:00
RMSE=0.65 MAE=0.6 Bias=-0.33
Depth (m)
DO mg/L

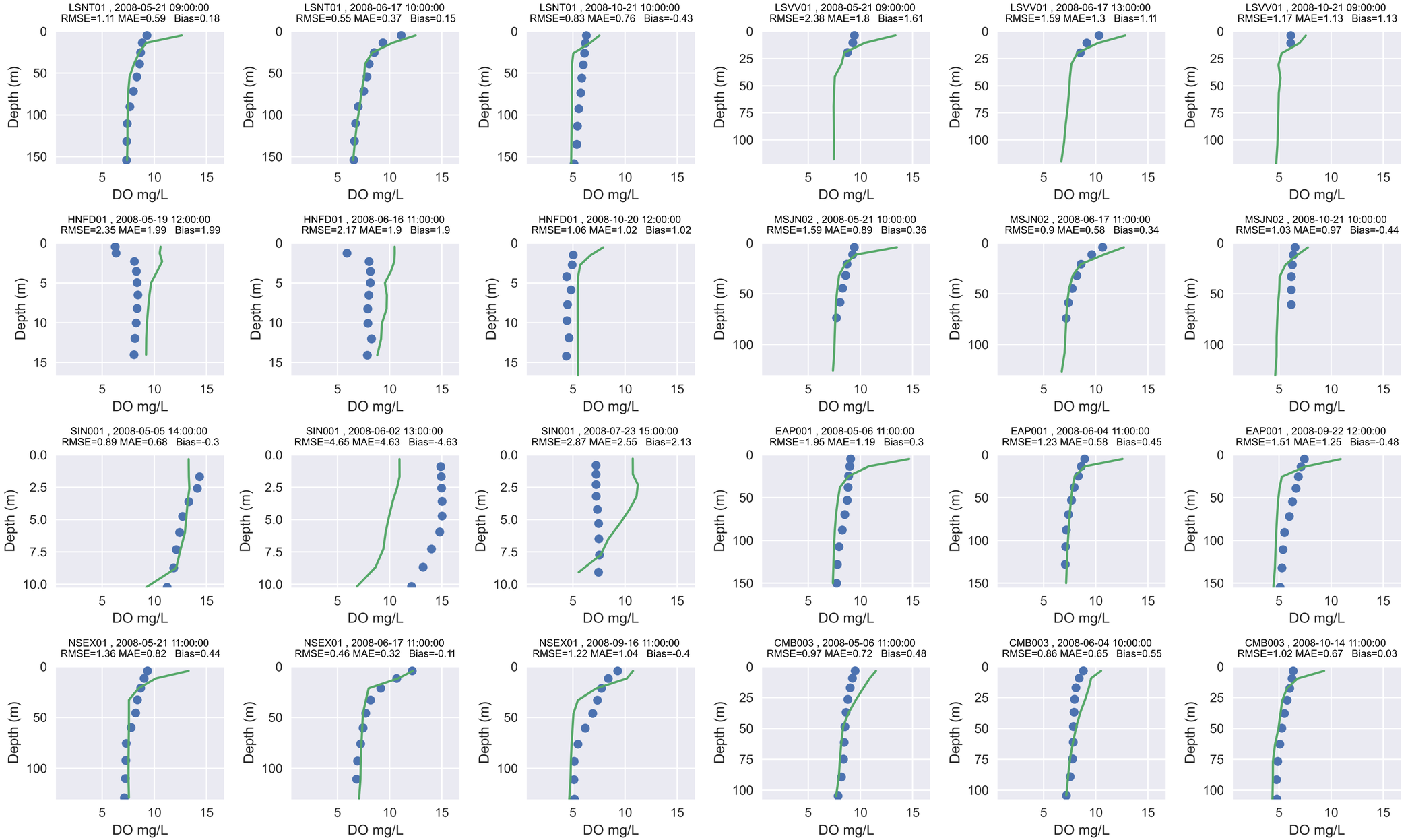

PSS019 , 2008-10-27 07:00:00
RMSE=1.07 MAE=0.73 Bias=-0.59
Depth (m)
DO mg/L

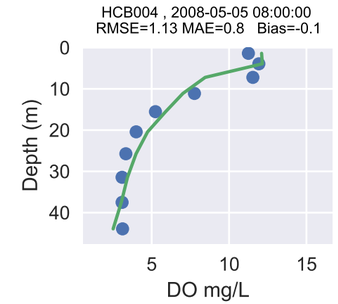

SAR003 , 2008-05-12 12:00:00
RMSE=1.25 MAE=0.72 Bias=-0.43
Depth (m)
DO mg/L

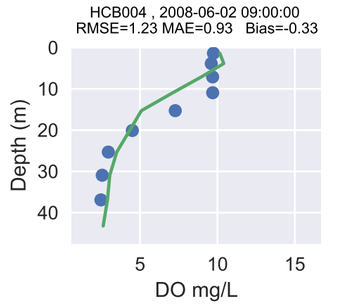

SAR003 , 2008-06-11 13:00:00
RMSE=0.87 MAE=0.73 Bias=-0.02
Depth (m)
DO mg/L

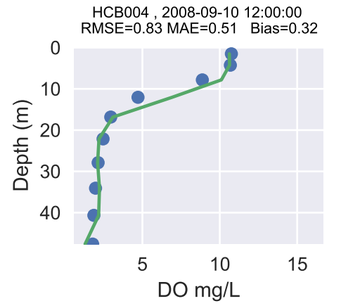

SAR003 , 2008-10-27 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
DO mg/L

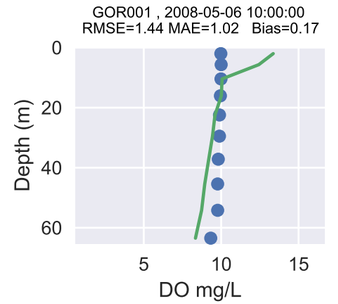

KSSK02 , 2008-05-21 08:00:00
RMSE=1.32 MAE=0.85 Bias=0.22
KSSK02 , 2008-06-17 08:00:00
RMSE=0.88 MAE=0.47 Bias=0.31
KSSK02 , 2008-10-21 08:00:00
RMSE=0.94 MAE=0.81 Bias=-0.3
PSB003 , 2008-05-05 13:00:00
RMSE=2.61 MAE=1.82 Bias=1.82
PSB003 , 2008-06-02 12:00:00
RMSE=0.58 MAE=0.45 Bias=-0.45
PSB003 , 2008-09-10 10:00:00
RMSE=1.08 MAE=0.93 Bias=-0.23
HCB010 , 2008-05-05 10:00:00
RMSE=0.67 MAE=0.59 Bias=-0.38
HCB010 , 2008-06-02 09:00:00
RMSE=1.1 MAE=0.83 Bias=-0.56
HCB010 , 2008-09-09 23:00:00
RMSE=1.86 MAE=1.53 Bias=-1.53
HLM001 , 2008-06-11 13:00:00
RMSE=1.88 MAE=1.81 Bias=0.54
HLM001 , 2008-07-15 10:00:00
RMSE=0.32 MAE=0.27 Bias=-0.27
HLM001 , 2008-08-06 14:00:00
RMSE=nan MAE=nan Bias=nan
LSEP01 , 2008-05-21 08:00:00
RMSE=1.05 MAE=0.56 Bias=0.26
LSEP01 , 2008-06-17 09:00:00
RMSE=0.26 MAE=0.21 Bias=-0.02
LSEP01 , 2008-10-21 09:00:00
RMSE=0.68 MAE=0.66 Bias=-0.66
LSKQ06 , 2008-05-21 09:00:00
RMSE=1.7 MAE=1.18 Bias=0.49
LSKQ06 , 2008-06-17 13:00:00
RMSE=0.35 MAE=0.29 Bias=0.11
LSKQ06 , 2008-10-21 09:00:00
RMSE=0.81 MAE=0.71 Bias=0.33
LTED04 , 2008-05-19 12:00:00
RMSE=1.18 MAE=0.87 Bias=0.87
LTED04 , 2008-06-16 11:00:00
RMSE=1.42 MAE=0.79 Bias=0.79
LTED04 , 2008-10-20 11:00:00
RMSE=0.85 MAE=0.7 Bias=-0.28
ELB015 , 2008-05-05 13:00:00
RMSE=1.18 MAE=0.53 Bias=0.46
ELB015 , 2008-06-02 13:00:00
RMSE=0.58 MAE=0.53 Bias=-0.17
ELB015 , 2008-09-10 10:00:00
RMSE=0.99 MAE=0.84 Bias=-0.42
Depth (m)
DO mg/L

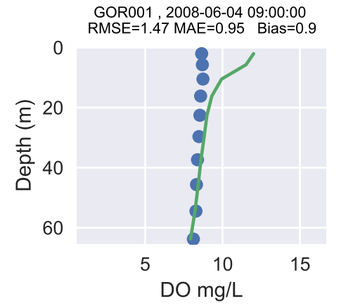

LSNT01 , 2008-05-21 09:00:00
RMSE=1.11 MAE=0.59 Bias=0.18
LSNT01 , 2008-06-17 10:00:00
RMSE=0.55 MAE=0.37 Bias=0.15
LSNT01 , 2008-10-21 10:00:00
RMSE=0.83 MAE=0.76 Bias=-0.43
LSVV01 , 2008-05-21 09:00:00
RMSE=2.38 MAE=1.8 Bias=1.61
LSVV01 , 2008-06-17 13:00:00
RMSE=1.59 MAE=1.3 Bias=1.11
LSVV01 , 2008-10-21 09:00:00
RMSE=1.17 MAE=1.13 Bias=1.13
HNFD01 , 2008-05-19 12:00:00
RMSE=2.35 MAE=1.99 Bias=1.99
HNFD01 , 2008-06-16 11:00:00
RMSE=2.17 MAE=1.9 Bias=1.9
HNFD01 , 2008-10-20 12:00:00
RMSE=1.06 MAE=1.02 Bias=1.02
MSJN02 , 2008-05-21 10:00:00
RMSE=1.59 MAE=0.89 Bias=0.36
MSJN02 , 2008-06-17 11:00:00
RMSE=0.9 MAE=0.58 Bias=0.34
MSJN02 , 2008-10-21 10:00:00
RMSE=1.03 MAE=0.97 Bias=-0.44
SIN001 , 2008-05-05 14:00:00
RMSE=0.89 MAE=0.68 Bias=-0.3
SIN001 , 2008-06-02 13:00:00
RMSE=4.65 MAE=4.63 Bias=-4.63
SIN001 , 2008-07-23 15:00:00
RMSE=2.87 MAE=2.55 Bias=2.13
EAP001 , 2008-05-06 11:00:00
RMSE=1.95 MAE=1.19 Bias=0.3
EAP001 , 2008-06-04 11:00:00
RMSE=1.23 MAE=0.58 Bias=0.45
EAP001 , 2008-09-22 12:00:00
RMSE=1.51 MAE=1.25 Bias=-0.48
NSEX01 , 2008-05-21 11:00:00
RMSE=1.36 MAE=0.82 Bias=0.44
NSEX01 , 2008-06-17 11:00:00
RMSE=0.46 MAE=0.32 Bias=-0.11
NSEX01 , 2008-09-16 11:00:00
RMSE=1.22 MAE=1.04 Bias=-0.4
CMB003 , 2008-05-06 11:00:00
RMSE=0.97 MAE=0.72 Bias=0.48
CMB003 , 2008-06-04 10:00:00
RMSE=0.86 MAE=0.65 Bias=0.55
CMB003 , 2008-10-14 11:00:00
RMSE=1.02 MAE=0.67 Bias=0.03
Depth (m)
DO mg/L

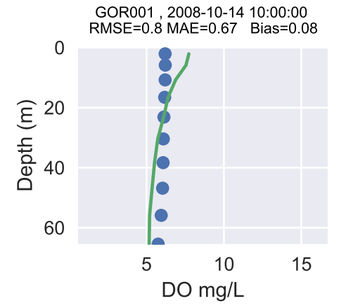

HCB004 , 2008-05-05 08:00:00
RMSE=1.13 MAE=0.8 Bias=-0.1
Depth (m)
DO mg/L

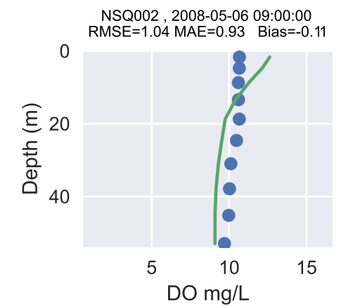

HCB004 , 2008-06-02 09:00:00
RMSE=1.23 MAE=0.93 Bias=-0.33
Depth (m)
DO mg/L

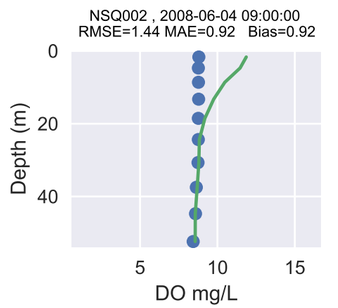

HCB004 , 2008-09-10 12:00:00
RMSE=0.83 MAE=0.51 Bias=0.32
Depth (m)
DO mg/L

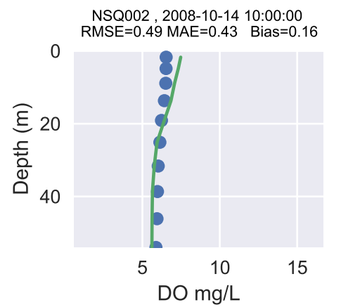

GOR001 , 2008-05-06 10:00:00
RMSE=1.44 MAE=1.02 Bias=0.17
Depth (m)
DO mg/L

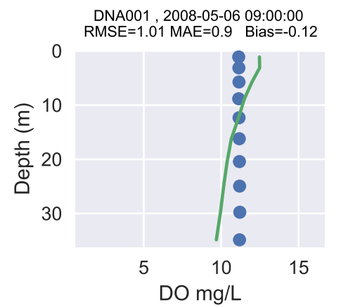

GOR001 , 2008-06-04 09:00:00
RMSE=1.47 MAE=0.95 Bias=0.9
Depth (m)
DO mg/L

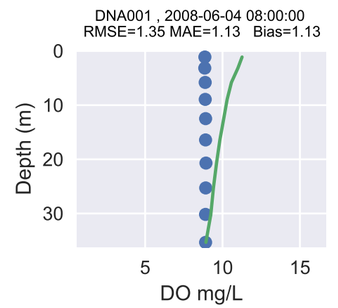

GOR001 , 2008-10-14 10:00:00
RMSE=0.8 MAE=0.67 Bias=0.08
Depth (m)
DO mg/L

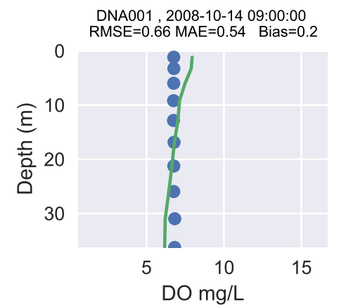

NSQ002 , 2008-05-06 09:00:00
RMSE=1.04 MAE=0.93 Bias=-0.11
Depth (m)
DO mg/L

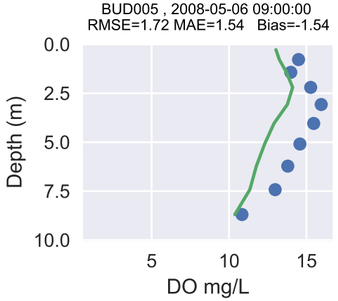

NSQ002 , 2008-06-04 09:00:00
RMSE=1.44 MAE=0.92 Bias=0.92
Depth (m)
DO mg/L

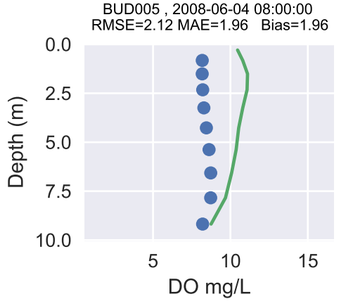

NSQ002 , 2008-10-14 10:00:00
RMSE=0.49 MAE=0.43 Bias=0.16
Depth (m)
DO mg/L

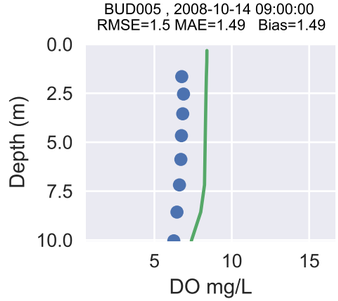

DNA001 , 2008-05-06 09:00:00
RMSE=1.01 MAE=0.9 Bias=-0.12
Depth (m)
DO mg/L

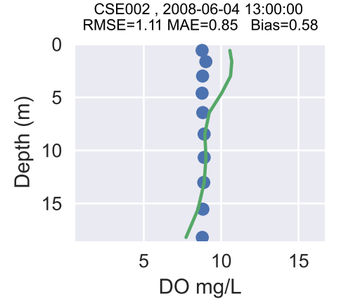

DNA001 , 2008-06-04 08:00:00
RMSE=1.35 MAE=1.13 Bias=1.13
Depth (m)
DO mg/L

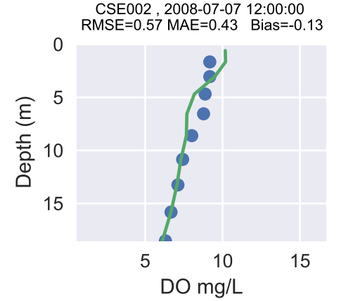

DNA001 , 2008-10-14 09:00:00
RMSE=0.66 MAE=0.54 Bias=0.2
Depth (m)
DO mg/L

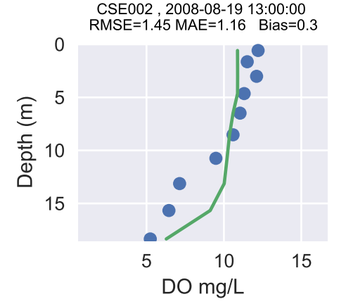

BUD005 , 2008-05-06 09:00:00
RMSE=1.72 MAE=1.54 Bias=-1.54
Depth (m)
DO mg/L

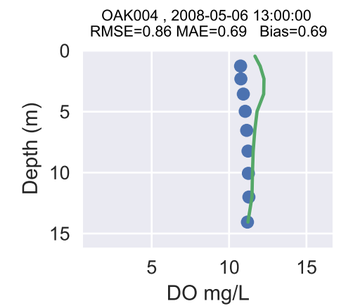

BUD005 , 2008-06-04 08:00:00
RMSE=2.12 MAE=1.96 Bias=1.96
Depth (m)
DO mg/L

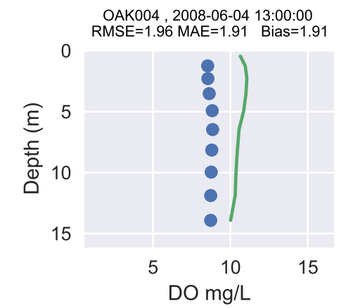

BUD005 , 2008-10-14 09:00:00
RMSE=1.5 MAE=1.49 Bias=1.49
Depth (m)
DO mg/L

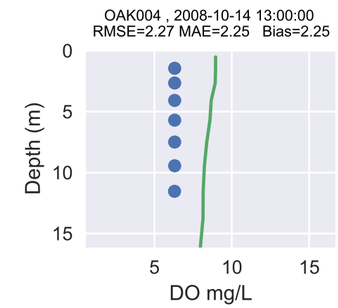

CSE002 , 2008-06-04 13:00:00
RMSE=1.11 MAE=0.85 Bias=0.58
Depth (m)
DO mg/L

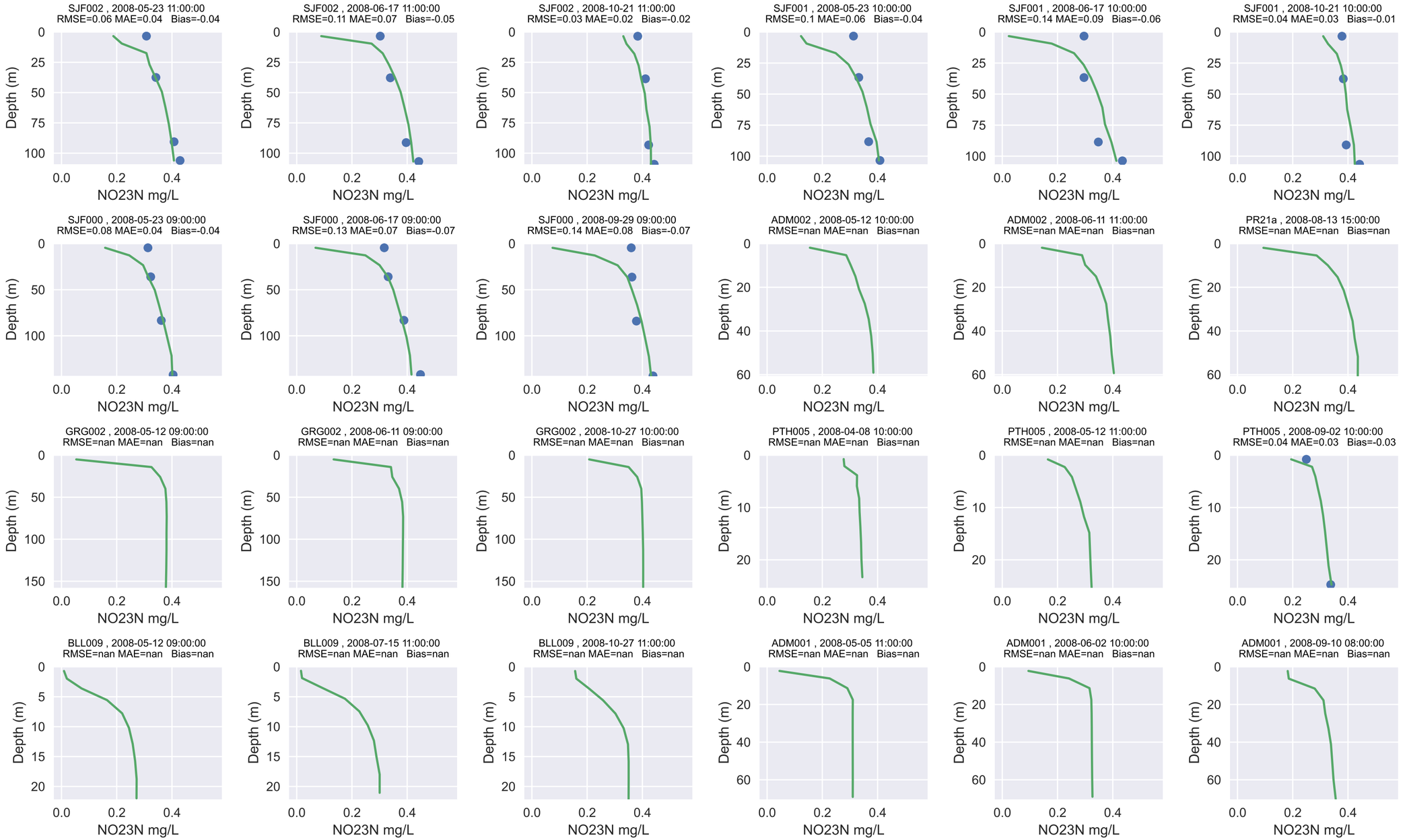

CSE002 , 2008-07-07 12:00:00
RMSE=0.57 MAE=0.43 Bias=-0.13
Depth (m)
DO mg/L

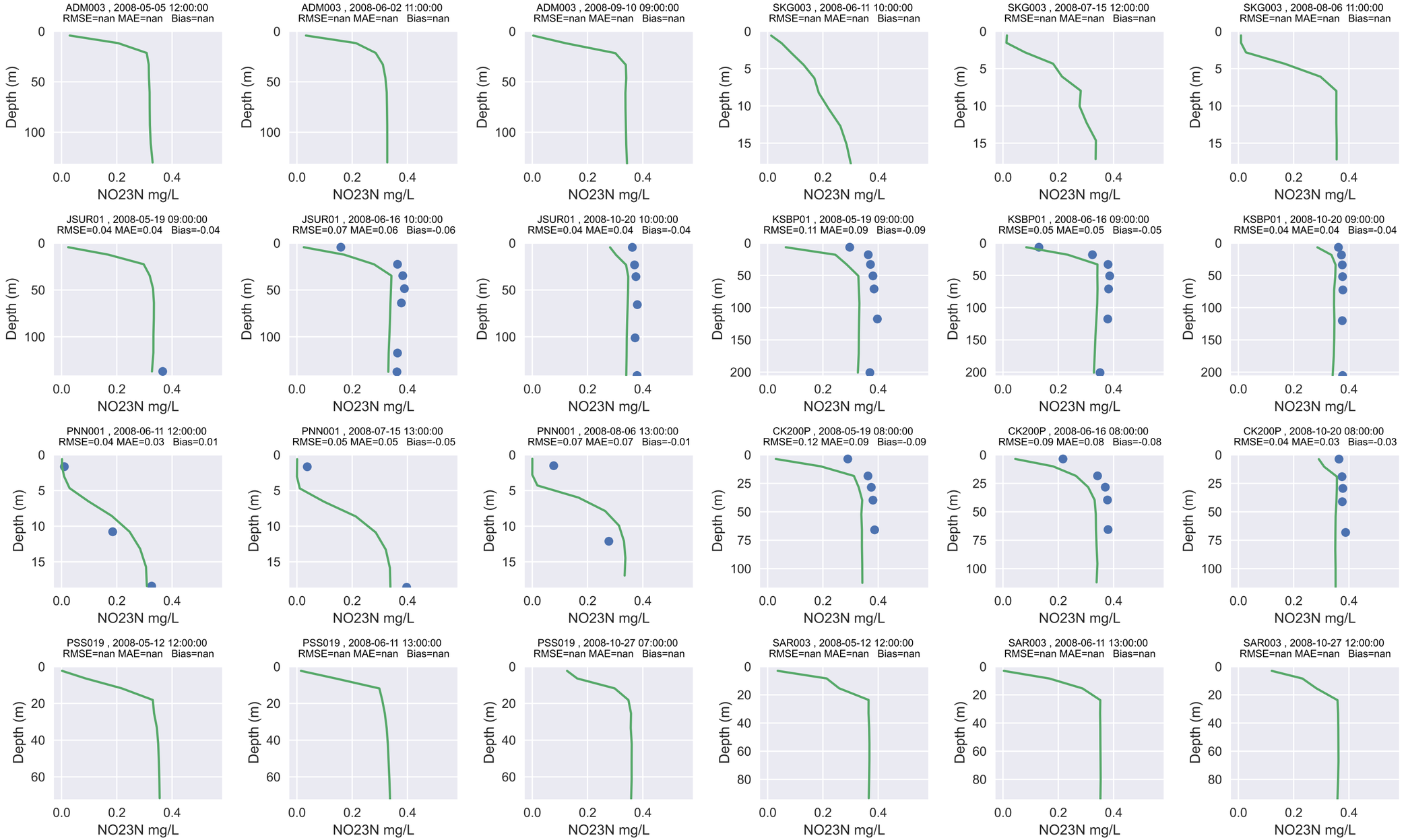

CSE002 , 2008-08-19 13:00:00
RMSE=1.45 MAE=1.16 Bias=0.3
Depth (m)
DO mg/L

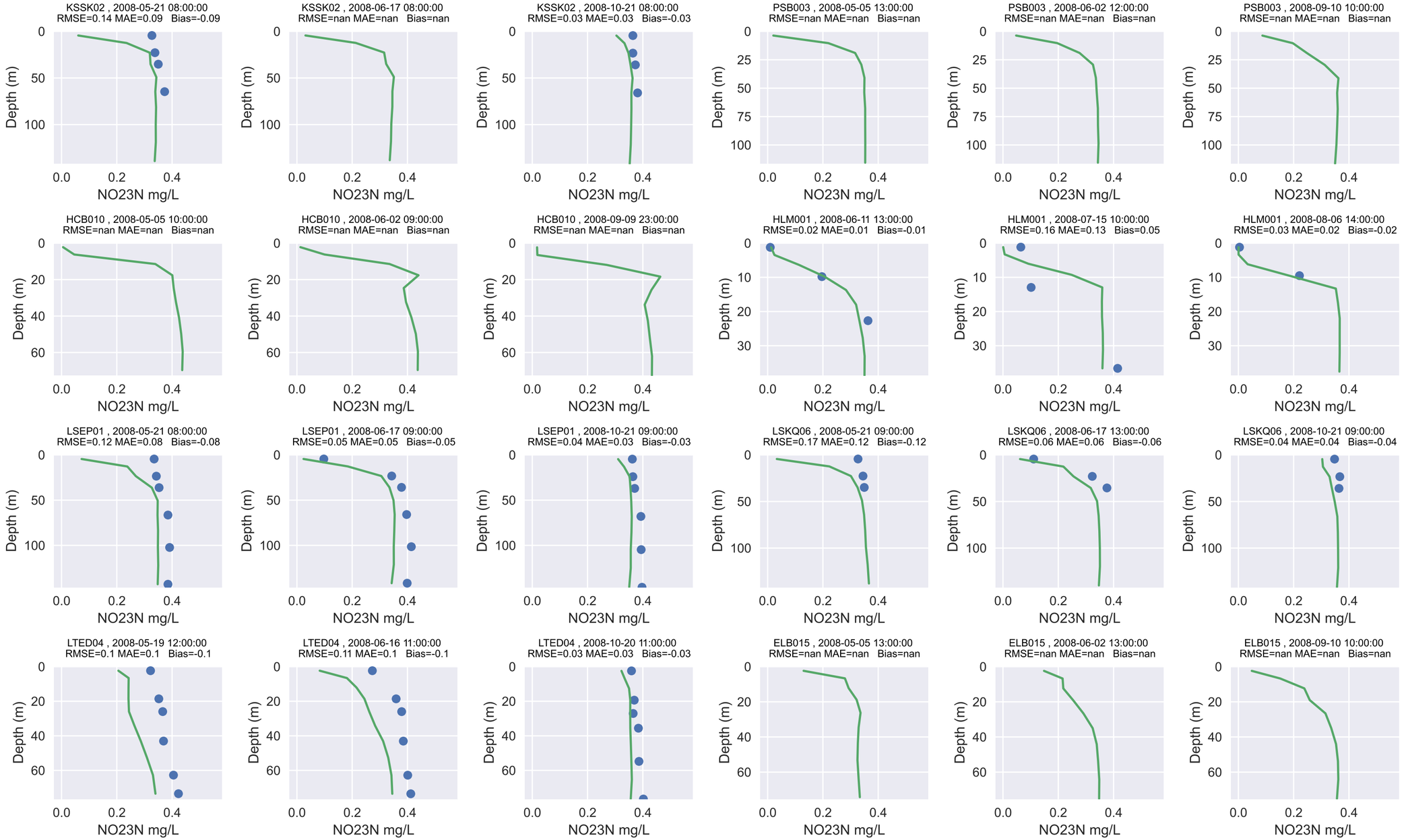

OAK004 , 2008-05-06 13:00:00
RMSE=0.86 MAE=0.69 Bias=0.69
Depth (m)
DO mg/L

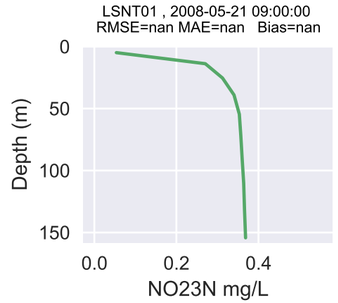

OAK004 , 2008-06-04 13:00:00
RMSE=1.96 MAE=1.91 Bias=1.91
Depth (m)
DO mg/L

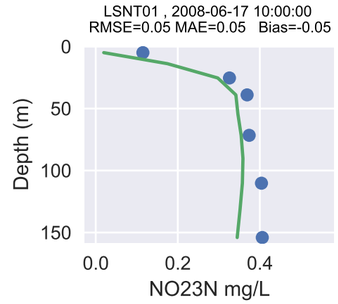

OAK004 , 2008-10-14 13:00:00
RMSE=2.27 MAE=2.25 Bias=2.25
Depth (m)
DO mg/L

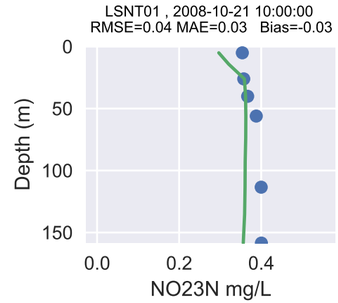

SJF002 , 2008-05-23 11:00:00
RMSE=0.06 MAE=0.04 Bias=-0.04
SJF002 , 2008-06-17 11:00:00
RMSE=0.11 MAE=0.07 Bias=-0.05
SJF002 , 2008-10-21 11:00:00
RMSE=0.03 MAE=0.02 Bias=-0.02
SJF001 , 2008-05-23 10:00:00
RMSE=0.1 MAE=0.06 Bias=-0.04
SJF001 , 2008-06-17 10:00:00
RMSE=0.14 MAE=0.09 Bias=-0.06
SJF001 , 2008-10-21 10:00:00
RMSE=0.04 MAE=0.03 Bias=-0.01
SJF000 , 2008-05-23 09:00:00
RMSE=0.08 MAE=0.04 Bias=-0.04
SJF000 , 2008-06-17 09:00:00
RMSE=0.13 MAE=0.07 Bias=-0.07
SJF000 , 2008-09-29 09:00:00
RMSE=0.14 MAE=0.08 Bias=-0.07
ADM002 , 2008-05-12 10:00:00
RMSE=nan MAE=nan Bias=nan
ADM002 , 2008-06-11 11:00:00
RMSE=nan MAE=nan Bias=nan
PR21a , 2008-08-13 15:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-05-12 09:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-06-11 09:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-10-27 10:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-04-08 10:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-05-12 11:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-09-02 10:00:00
RMSE=0.04 MAE=0.03 Bias=-0.03
BLL009 , 2008-05-12 09:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-07-15 11:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-10-27 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-05-05 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-06-02 10:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-09-10 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

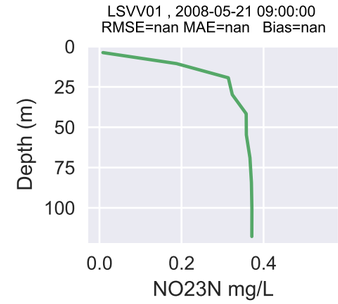

ADM003 , 2008-05-05 12:00:00
RMSE=nan MAE=nan Bias=nan
ADM003 , 2008-06-02 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM003 , 2008-09-10 09:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-06-11 10:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-07-15 12:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-08-06 11:00:00
RMSE=nan MAE=nan Bias=nan
JSUR01 , 2008-05-19 09:00:00
RMSE=0.04 MAE=0.04 Bias=-0.04
JSUR01 , 2008-06-16 10:00:00
RMSE=0.07 MAE=0.06 Bias=-0.06
JSUR01 , 2008-10-20 10:00:00
RMSE=0.04 MAE=0.04 Bias=-0.04
KSBP01 , 2008-05-19 09:00:00
RMSE=0.11 MAE=0.09 Bias=-0.09
KSBP01 , 2008-06-16 09:00:00
RMSE=0.05 MAE=0.05 Bias=-0.05
KSBP01 , 2008-10-20 09:00:00
RMSE=0.04 MAE=0.04 Bias=-0.04
PNN001 , 2008-06-11 12:00:00
RMSE=0.04 MAE=0.03 Bias=0.01
PNN001 , 2008-07-15 13:00:00
RMSE=0.05 MAE=0.05 Bias=-0.05
PNN001 , 2008-08-06 13:00:00
RMSE=0.07 MAE=0.07 Bias=-0.01
CK200P , 2008-05-19 08:00:00
RMSE=0.12 MAE=0.09 Bias=-0.09
CK200P , 2008-06-16 08:00:00
RMSE=0.09 MAE=0.08 Bias=-0.08
CK200P , 2008-10-20 08:00:00
RMSE=0.04 MAE=0.03 Bias=-0.03
PSS019 , 2008-05-12 12:00:00
RMSE=nan MAE=nan Bias=nan
PSS019 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
PSS019 , 2008-10-27 07:00:00
RMSE=nan MAE=nan Bias=nan
SAR003 , 2008-05-12 12:00:00
RMSE=nan MAE=nan Bias=nan
SAR003 , 2008-06-11 13:00:00
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SAR003 , 2008-10-27 12:00:00
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Depth (m)
NO23N mg/L

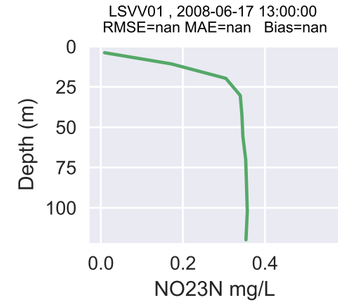

KSSK02 , 2008-05-21 08:00:00
RMSE=0.14 MAE=0.09 Bias=-0.09
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RMSE=nan MAE=nan Bias=nan
KSSK02 , 2008-10-21 08:00:00
RMSE=0.03 MAE=0.03 Bias=-0.03
PSB003 , 2008-05-05 13:00:00
RMSE=nan MAE=nan Bias=nan
PSB003 , 2008-06-02 12:00:00
RMSE=nan MAE=nan Bias=nan
PSB003 , 2008-09-10 10:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-05-05 10:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-06-02 09:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-09-09 23:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-06-11 13:00:00
RMSE=0.02 MAE=0.01 Bias=-0.01
HLM001 , 2008-07-15 10:00:00
RMSE=0.16 MAE=0.13 Bias=0.05
HLM001 , 2008-08-06 14:00:00
RMSE=0.03 MAE=0.02 Bias=-0.02
LSEP01 , 2008-05-21 08:00:00
RMSE=0.12 MAE=0.08 Bias=-0.08
LSEP01 , 2008-06-17 09:00:00
RMSE=0.05 MAE=0.05 Bias=-0.05
LSEP01 , 2008-10-21 09:00:00
RMSE=0.04 MAE=0.03 Bias=-0.03
LSKQ06 , 2008-05-21 09:00:00
RMSE=0.17 MAE=0.12 Bias=-0.12
LSKQ06 , 2008-06-17 13:00:00
RMSE=0.06 MAE=0.06 Bias=-0.06
LSKQ06 , 2008-10-21 09:00:00
RMSE=0.04 MAE=0.04 Bias=-0.04
LTED04 , 2008-05-19 12:00:00
RMSE=0.1 MAE=0.1 Bias=-0.1
LTED04 , 2008-06-16 11:00:00
RMSE=0.11 MAE=0.1 Bias=-0.1
LTED04 , 2008-10-20 11:00:00
RMSE=0.03 MAE=0.03 Bias=-0.03
ELB015 , 2008-05-05 13:00:00
RMSE=nan MAE=nan Bias=nan
ELB015 , 2008-06-02 13:00:00
RMSE=nan MAE=nan Bias=nan
ELB015 , 2008-09-10 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

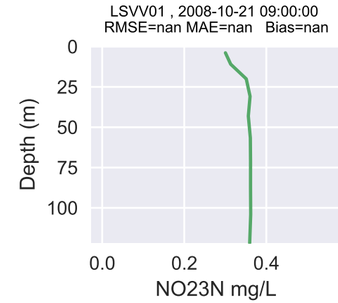

LSNT01 , 2008-05-21 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

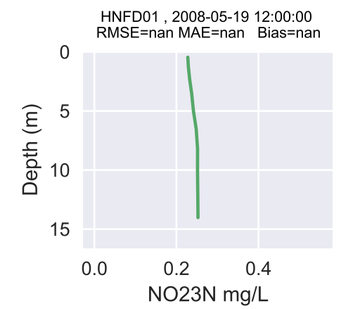

LSNT01 , 2008-06-17 10:00:00
RMSE=0.05 MAE=0.05 Bias=-0.05
Depth (m)
NO23N mg/L

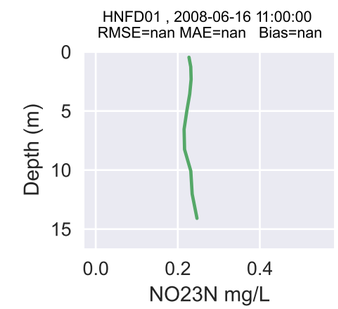

LSNT01 , 2008-10-21 10:00:00
RMSE=0.04 MAE=0.03 Bias=-0.03
Depth (m)
NO23N mg/L

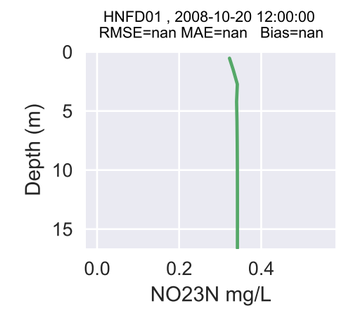

LSVV01 , 2008-05-21 09:00:00
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Depth (m)
NO23N mg/L

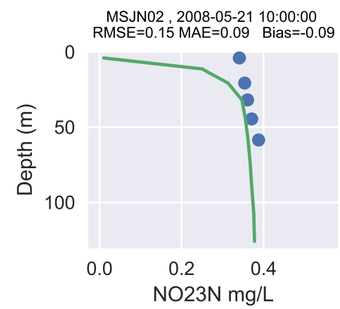

LSVV01 , 2008-06-17 13:00:00
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Depth (m)
NO23N mg/L

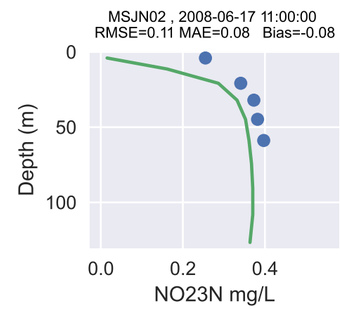

LSVV01 , 2008-10-21 09:00:00
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Depth (m)
NO23N mg/L

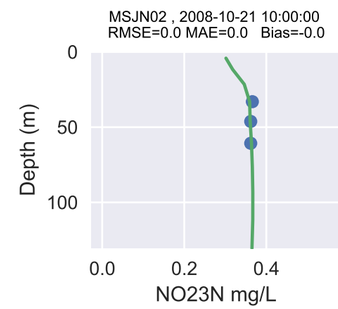

HNFD01 , 2008-05-19 12:00:00
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Depth (m)
NO23N mg/L

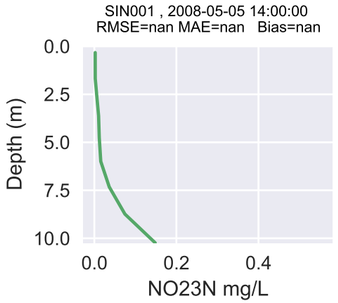

HNFD01 , 2008-06-16 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

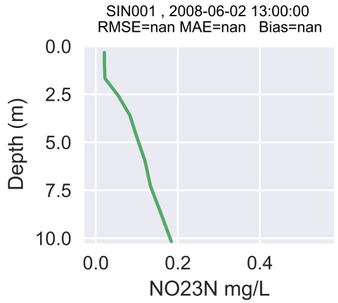

HNFD01 , 2008-10-20 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

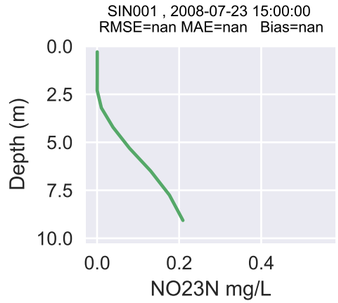

MSJN02 , 2008-05-21 10:00:00
RMSE=0.15 MAE=0.09 Bias=-0.09
Depth (m)
NO23N mg/L

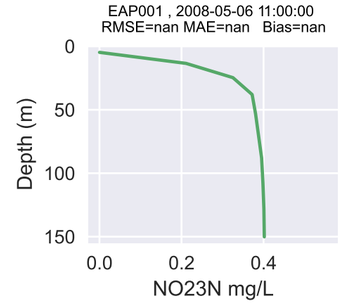

MSJN02 , 2008-06-17 11:00:00
RMSE=0.11 MAE=0.08 Bias=-0.08
Depth (m)
NO23N mg/L

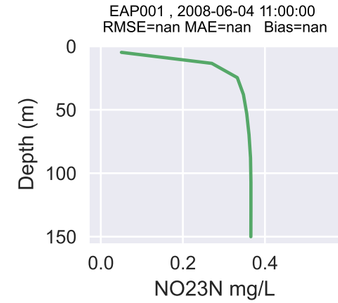

MSJN02 , 2008-10-21 10:00:00
RMSE=0.0 MAE=0.0 Bias=-0.0
Depth (m)
NO23N mg/L

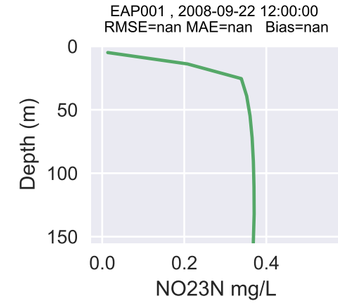

SIN001 , 2008-05-05 14:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

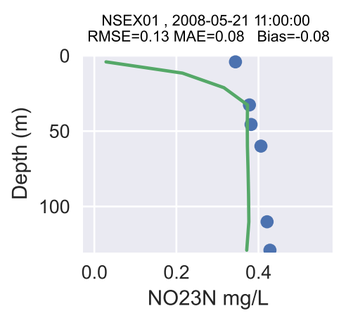

SIN001 , 2008-06-02 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

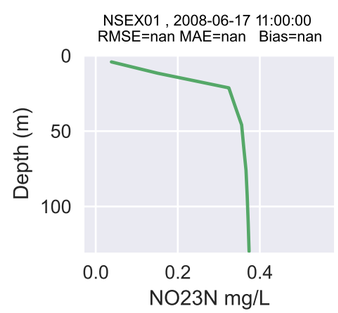

SIN001 , 2008-07-23 15:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

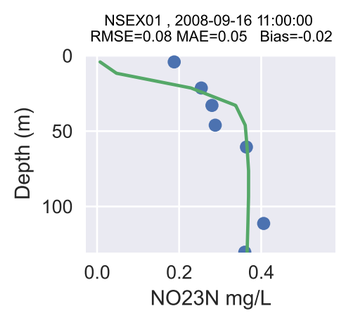

EAP001 , 2008-05-06 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

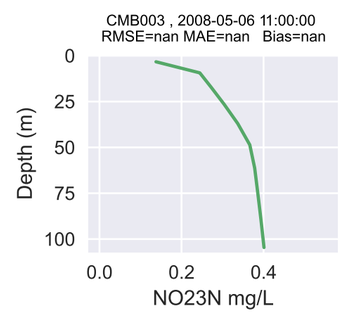

EAP001 , 2008-06-04 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

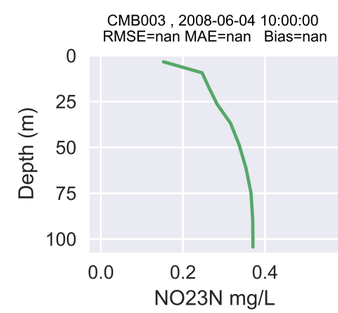

EAP001 , 2008-09-22 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

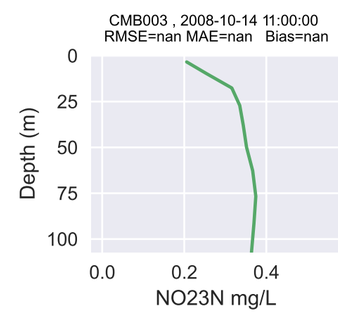

NSEX01 , 2008-05-21 11:00:00
RMSE=0.13 MAE=0.08 Bias=-0.08
Depth (m)
NO23N mg/L

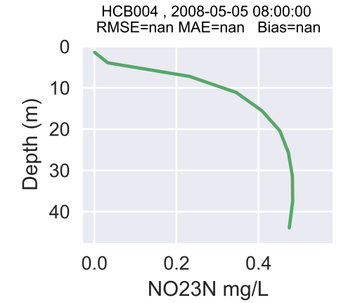

NSEX01 , 2008-06-17 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

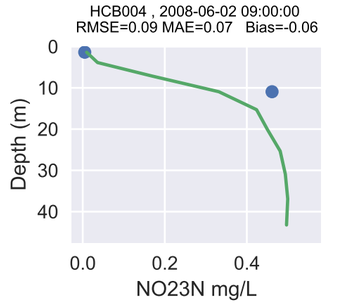

NSEX01 , 2008-09-16 11:00:00
RMSE=0.08 MAE=0.05 Bias=-0.02
Depth (m)
NO23N mg/L

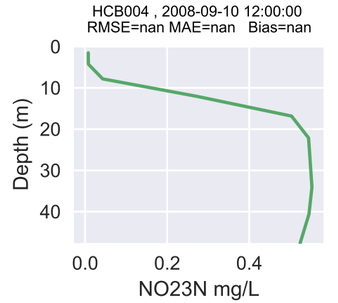

CMB003 , 2008-05-06 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

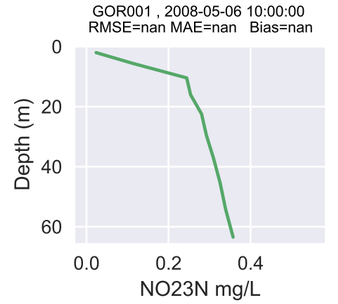

CMB003 , 2008-06-04 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

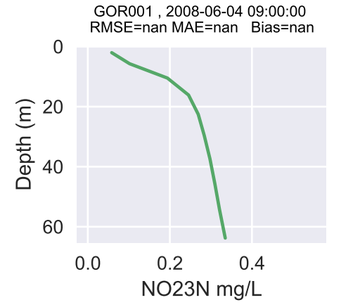

CMB003 , 2008-10-14 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

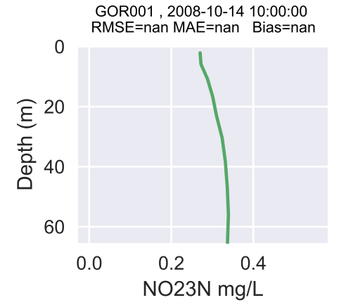

HCB004 , 2008-05-05 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

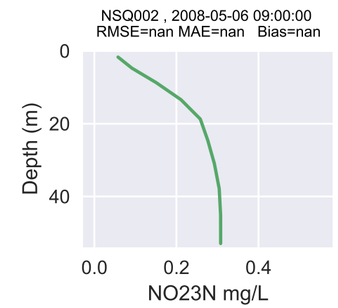

HCB004 , 2008-06-02 09:00:00
RMSE=0.09 MAE=0.07 Bias=-0.06
Depth (m)
NO23N mg/L

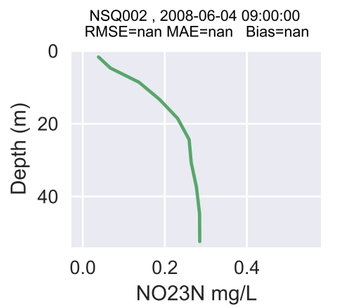

HCB004 , 2008-09-10 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

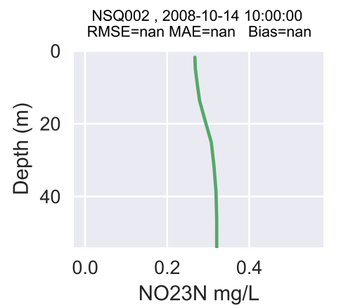

GOR001 , 2008-05-06 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

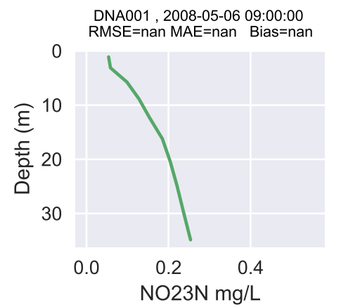

GOR001 , 2008-06-04 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

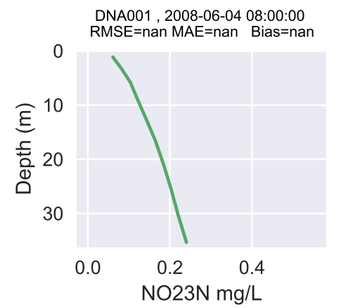

GOR001 , 2008-10-14 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

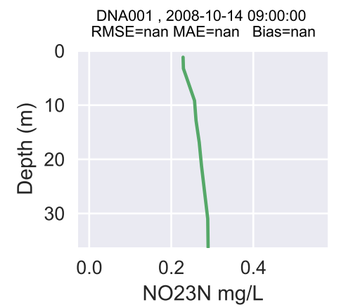

NSQ002 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

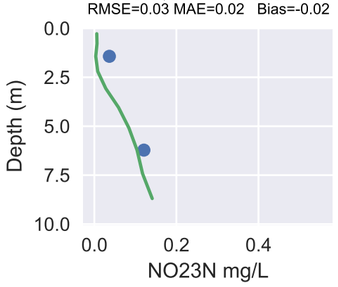

NSQ002 , 2008-06-04 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

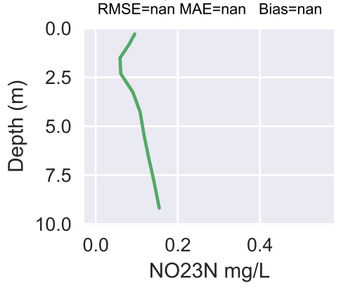

NSQ002 , 2008-10-14 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

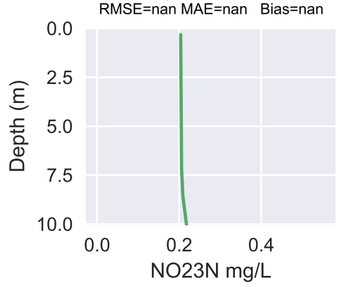

DNA001 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

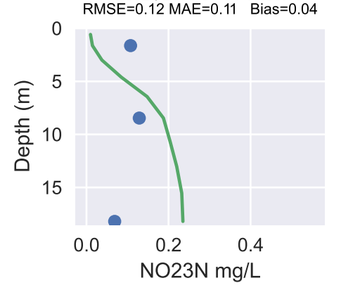

DNA001 , 2008-06-04 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

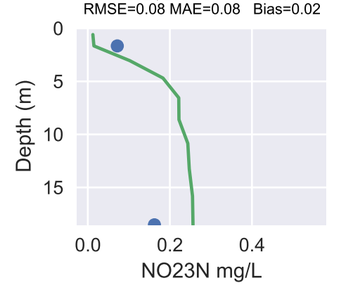

DNA001 , 2008-10-14 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

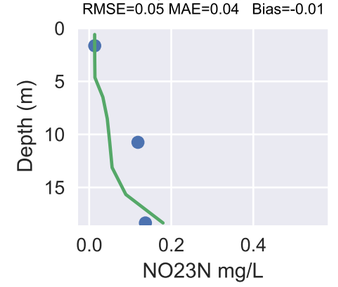

BUD005 , 2008-05-06 09:00:00
RMSE=0.03 MAE=0.02 Bias=-0.02
Depth (m)
NO23N mg/L

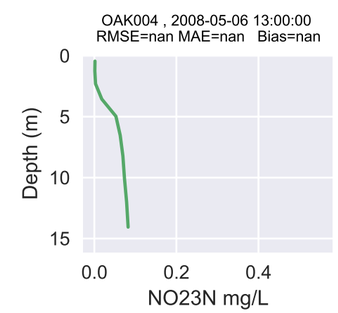

BUD005 , 2008-06-04 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

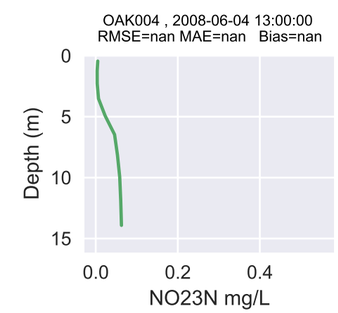

BUD005 , 2008-10-14 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

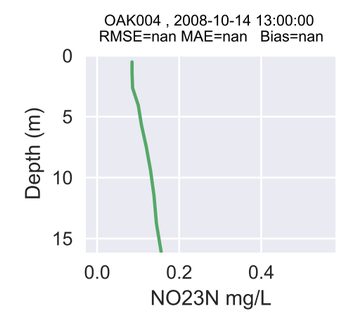

CSE002 , 2008-06-04 13:00:00
RMSE=0.12 MAE=0.11 Bias=0.04
Depth (m)
NO23N mg/L

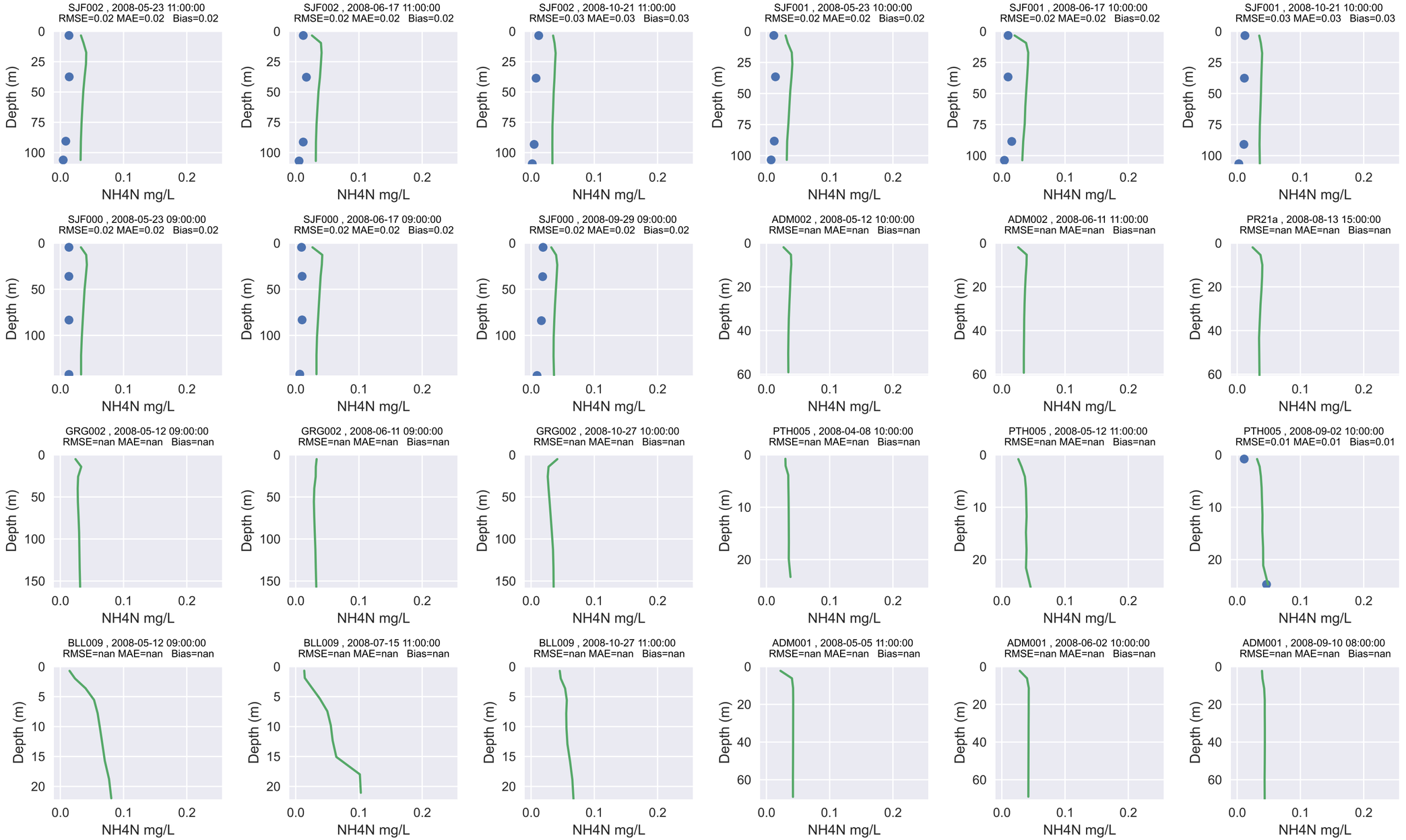

CSE002 , 2008-07-07 12:00:00
RMSE=0.08 MAE=0.08 Bias=0.02
Depth (m)
NO23N mg/L

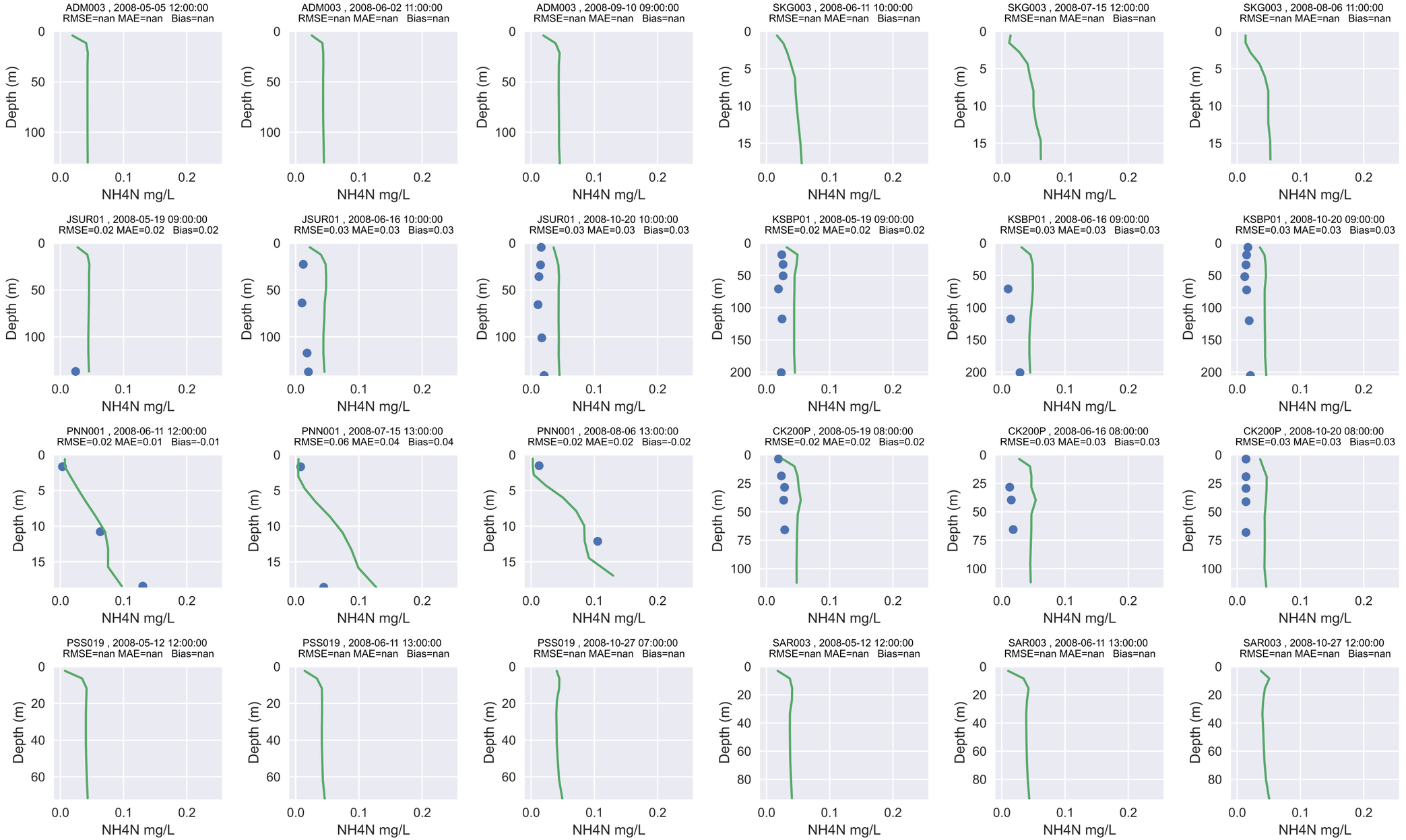

CSE002 , 2008-08-19 13:00:00
RMSE=0.05 MAE=0.04 Bias=-0.01
Depth (m)
NO23N mg/L

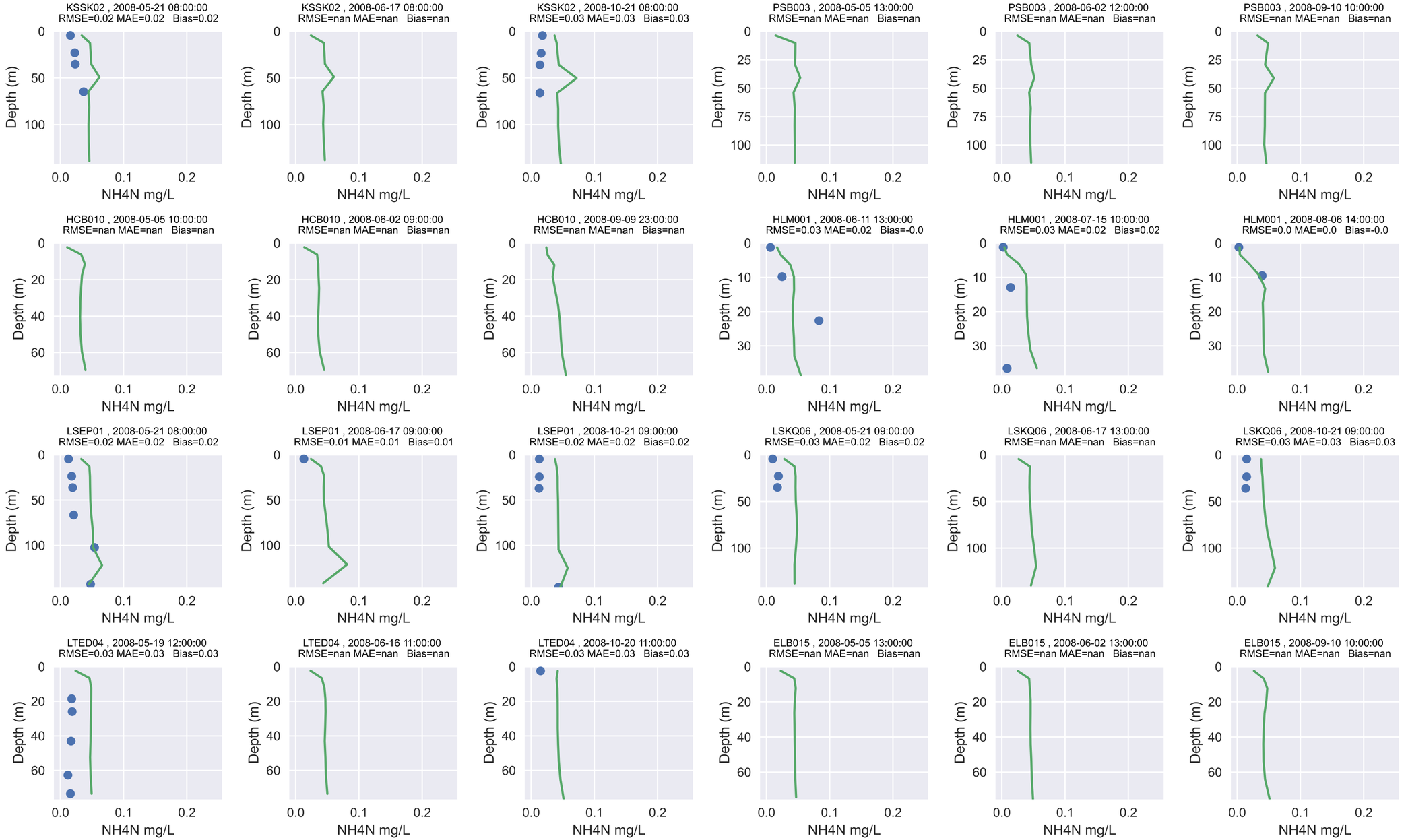

OAK004 , 2008-05-06 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

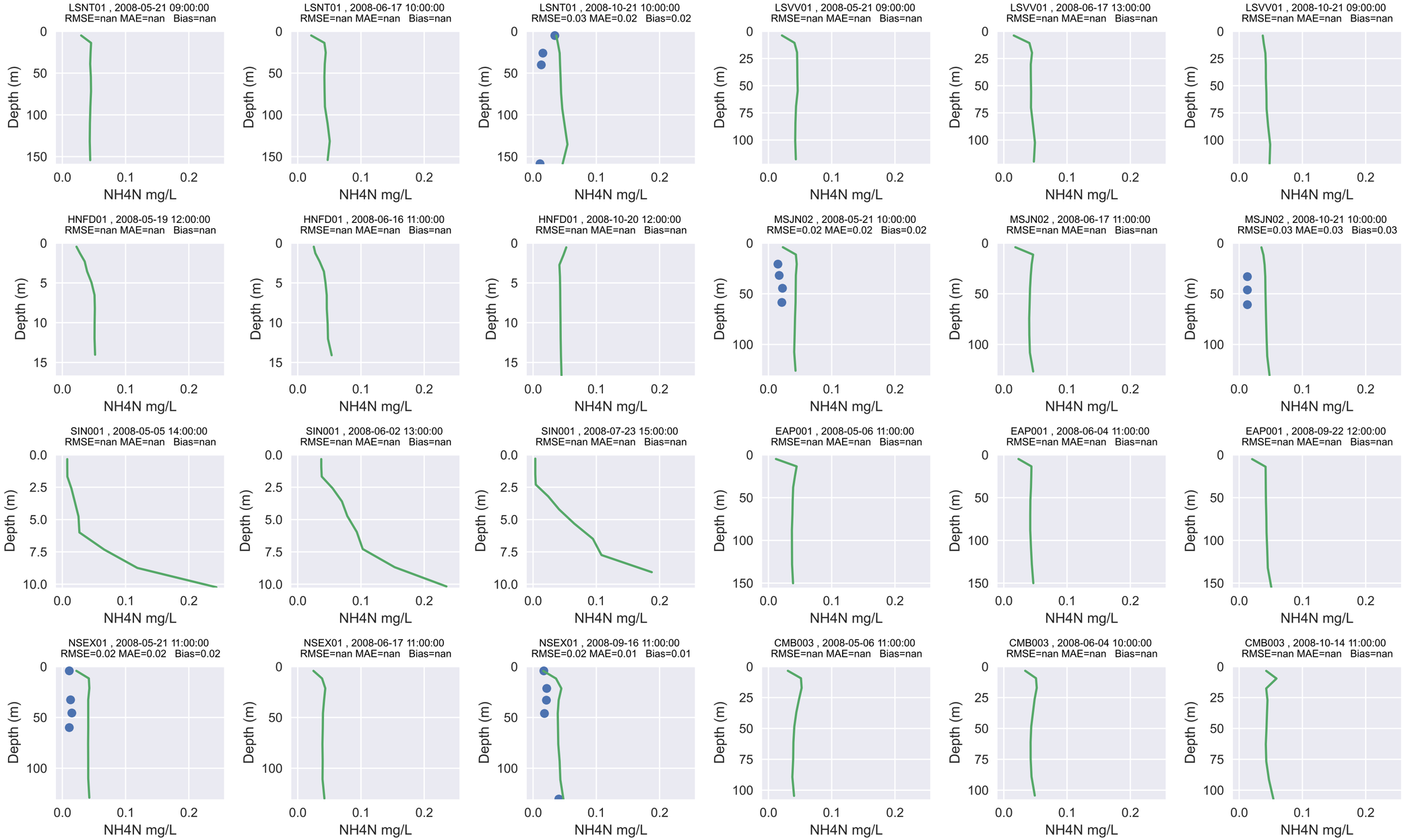

OAK004 , 2008-06-04 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

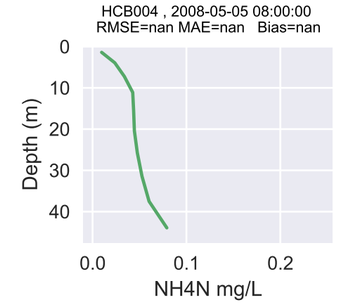

OAK004 , 2008-10-14 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NO23N mg/L

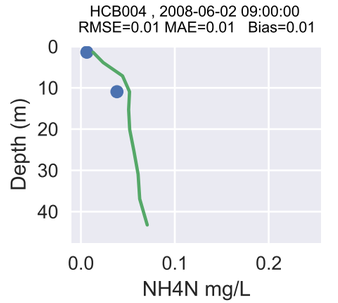

SJF002 , 2008-05-23 11:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
SJF002 , 2008-06-17 11:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
SJF002 , 2008-10-21 11:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
SJF001 , 2008-05-23 10:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
SJF001 , 2008-06-17 10:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
SJF001 , 2008-10-21 10:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
SJF000 , 2008-05-23 09:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
SJF000 , 2008-06-17 09:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
SJF000 , 2008-09-29 09:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
ADM002 , 2008-05-12 10:00:00
RMSE=nan MAE=nan Bias=nan
ADM002 , 2008-06-11 11:00:00
RMSE=nan MAE=nan Bias=nan
PR21a , 2008-08-13 15:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-05-12 09:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-06-11 09:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-10-27 10:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-04-08 10:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-05-12 11:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-09-02 10:00:00
RMSE=0.01 MAE=0.01 Bias=0.01
BLL009 , 2008-05-12 09:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-07-15 11:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-10-27 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-05-05 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-06-02 10:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-09-10 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

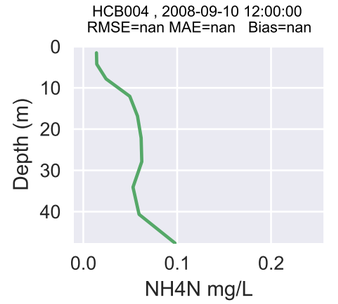

ADM003 , 2008-05-05 12:00:00
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ADM003 , 2008-06-02 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM003 , 2008-09-10 09:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-06-11 10:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-07-15 12:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-08-06 11:00:00
RMSE=nan MAE=nan Bias=nan
JSUR01 , 2008-05-19 09:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
JSUR01 , 2008-06-16 10:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
JSUR01 , 2008-10-20 10:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
KSBP01 , 2008-05-19 09:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
KSBP01 , 2008-06-16 09:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
KSBP01 , 2008-10-20 09:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
PNN001 , 2008-06-11 12:00:00
RMSE=0.02 MAE=0.01 Bias=-0.01
PNN001 , 2008-07-15 13:00:00
RMSE=0.06 MAE=0.04 Bias=0.04
PNN001 , 2008-08-06 13:00:00
RMSE=0.02 MAE=0.02 Bias=-0.02
CK200P , 2008-05-19 08:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
CK200P , 2008-06-16 08:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
CK200P , 2008-10-20 08:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
PSS019 , 2008-05-12 12:00:00
RMSE=nan MAE=nan Bias=nan
PSS019 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
PSS019 , 2008-10-27 07:00:00
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SAR003 , 2008-05-12 12:00:00
RMSE=nan MAE=nan Bias=nan
SAR003 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
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Depth (m)
NH4N mg/L

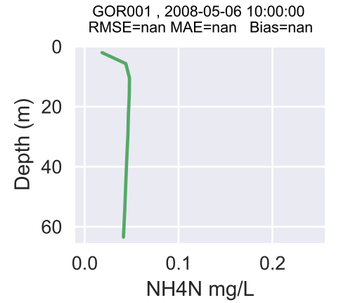

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RMSE=nan MAE=nan Bias=nan
KSSK02 , 2008-10-21 08:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
PSB003 , 2008-05-05 13:00:00
RMSE=nan MAE=nan Bias=nan
PSB003 , 2008-06-02 12:00:00
RMSE=nan MAE=nan Bias=nan
PSB003 , 2008-09-10 10:00:00
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HCB010 , 2008-05-05 10:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-06-02 09:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-09-09 23:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-06-11 13:00:00
RMSE=0.03 MAE=0.02 Bias=-0.0
HLM001 , 2008-07-15 10:00:00
RMSE=0.03 MAE=0.02 Bias=0.02
HLM001 , 2008-08-06 14:00:00
RMSE=0.0 MAE=0.0 Bias=-0.0
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RMSE=0.02 MAE=0.02 Bias=0.02
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LSEP01 , 2008-10-21 09:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
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LSKQ06 , 2008-06-17 13:00:00
RMSE=nan MAE=nan Bias=nan
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LTED04 , 2008-06-16 11:00:00
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LTED04 , 2008-10-20 11:00:00
RMSE=0.03 MAE=0.03 Bias=0.03
ELB015 , 2008-05-05 13:00:00
RMSE=nan MAE=nan Bias=nan
ELB015 , 2008-06-02 13:00:00
RMSE=nan MAE=nan Bias=nan
ELB015 , 2008-09-10 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

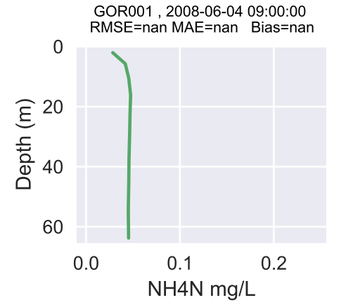

LSNT01 , 2008-05-21 09:00:00
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LSNT01 , 2008-06-17 10:00:00
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RMSE=0.03 MAE=0.02 Bias=0.02
LSVV01 , 2008-05-21 09:00:00
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LSVV01 , 2008-06-17 13:00:00
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LSVV01 , 2008-10-21 09:00:00
RMSE=nan MAE=nan Bias=nan
HNFD01 , 2008-05-19 12:00:00
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RMSE=nan MAE=nan Bias=nan
MSJN02 , 2008-05-21 10:00:00
RMSE=0.02 MAE=0.02 Bias=0.02
MSJN02 , 2008-06-17 11:00:00
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MSJN02 , 2008-10-21 10:00:00
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SIN001 , 2008-06-02 13:00:00
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RMSE=nan MAE=nan Bias=nan
NSEX01 , 2008-09-16 11:00:00
RMSE=0.02 MAE=0.01 Bias=0.01
CMB003 , 2008-05-06 11:00:00
RMSE=nan MAE=nan Bias=nan
CMB003 , 2008-06-04 10:00:00
RMSE=nan MAE=nan Bias=nan
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Depth (m)
NH4N mg/L

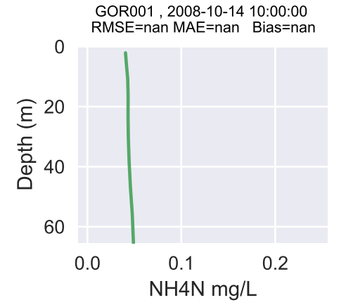

HCB004 , 2008-05-05 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

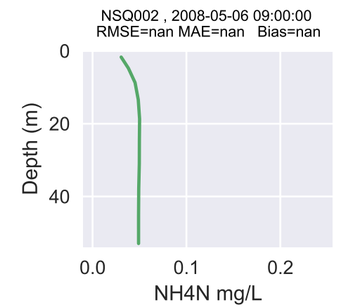

HCB004 , 2008-06-02 09:00:00
RMSE=0.01 MAE=0.01 Bias=0.01
Depth (m)
NH4N mg/L

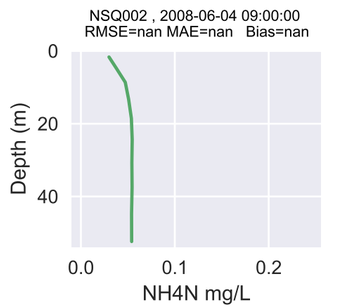

HCB004 , 2008-09-10 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

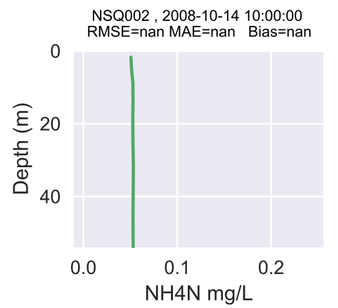

GOR001 , 2008-05-06 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

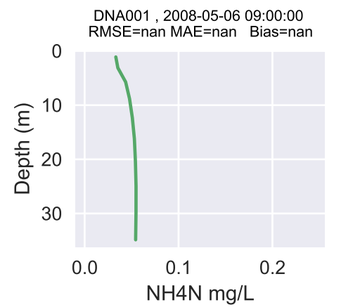

GOR001 , 2008-06-04 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

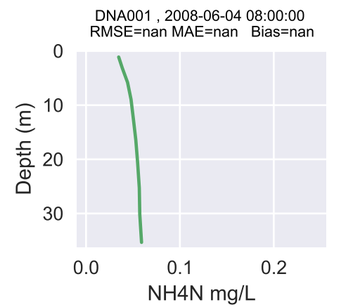

GOR001 , 2008-10-14 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

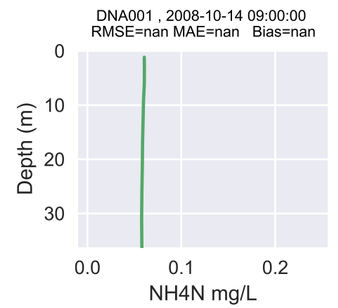

NSQ002 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

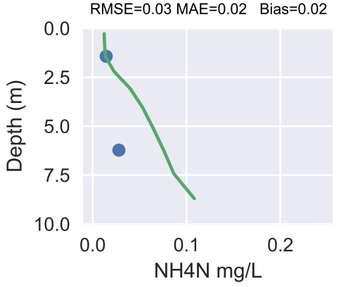

NSQ002 , 2008-06-04 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

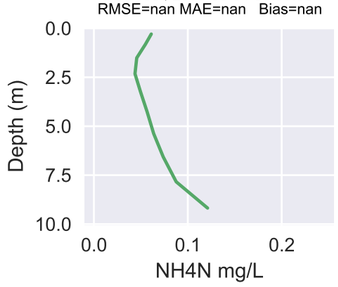

NSQ002 , 2008-10-14 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

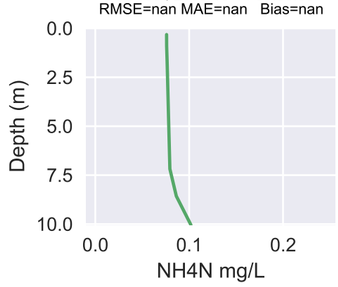

DNA001 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

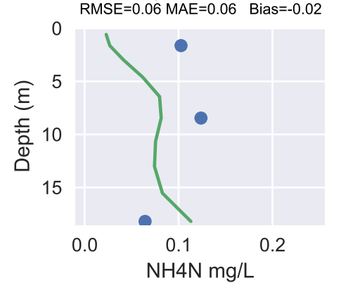

DNA001 , 2008-06-04 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

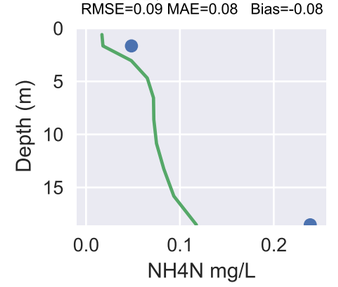

DNA001 , 2008-10-14 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

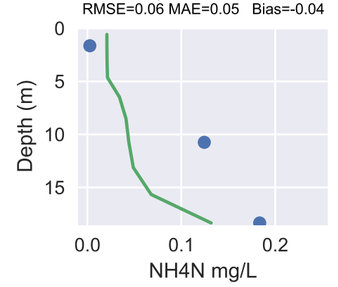

BUD005 , 2008-05-06 09:00:00
RMSE=0.03 MAE=0.02 Bias=0.02
Depth (m)
NH4N mg/L

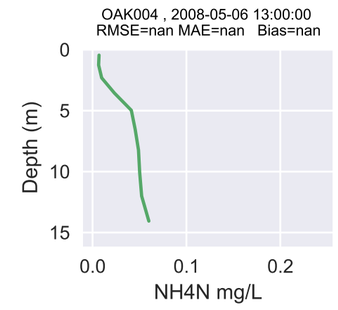

BUD005 , 2008-06-04 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

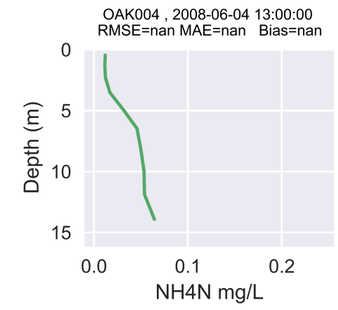

BUD005 , 2008-10-14 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

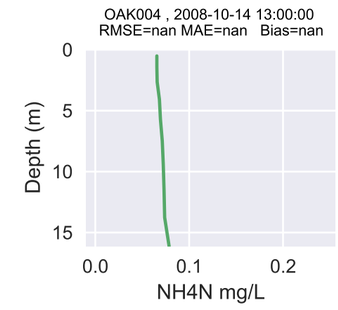

CSE002 , 2008-06-04 13:00:00
RMSE=0.06 MAE=0.06 Bias=-0.02
Depth (m)
NH4N mg/L

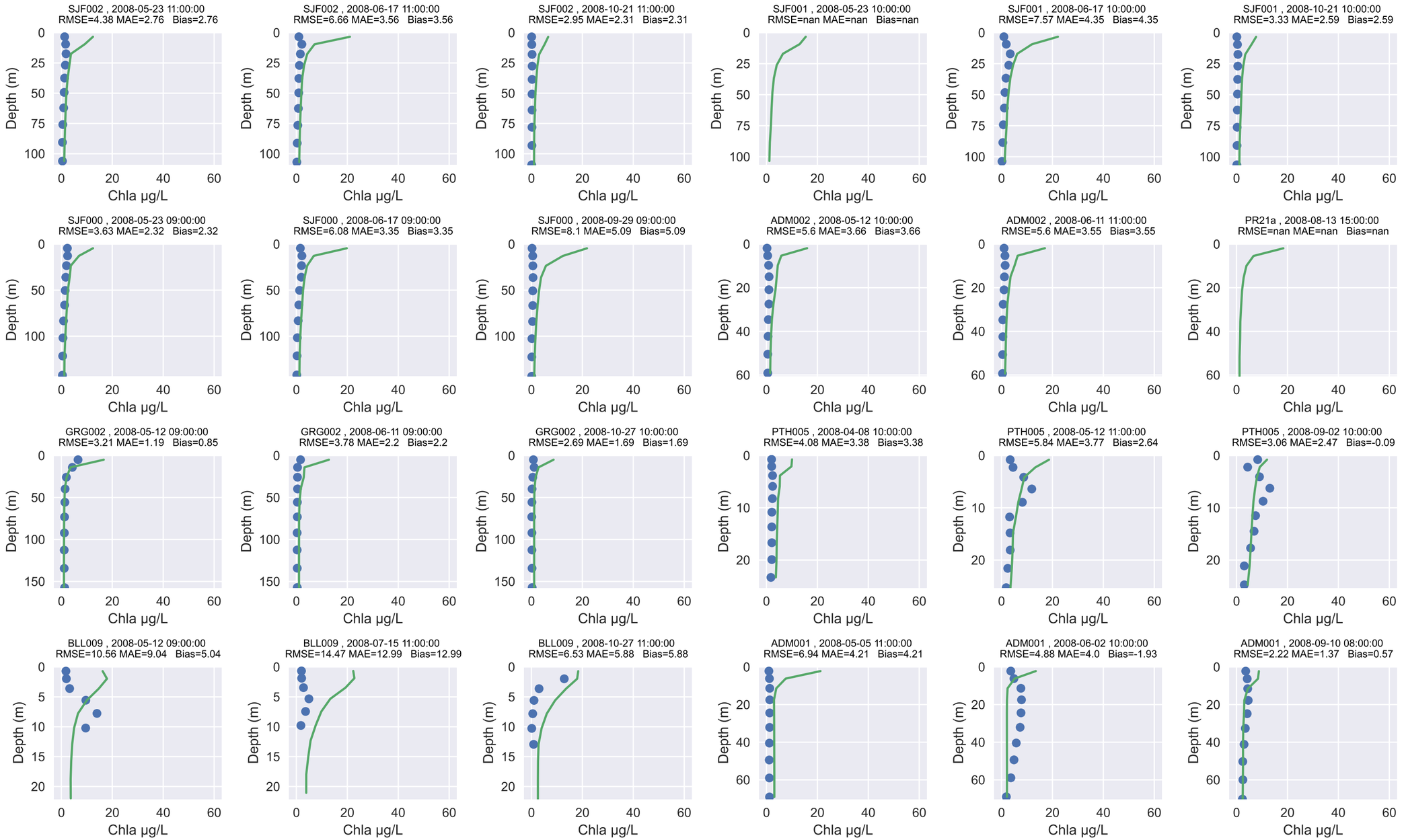

CSE002 , 2008-07-07 12:00:00
RMSE=0.09 MAE=0.08 Bias=-0.08
Depth (m)
NH4N mg/L

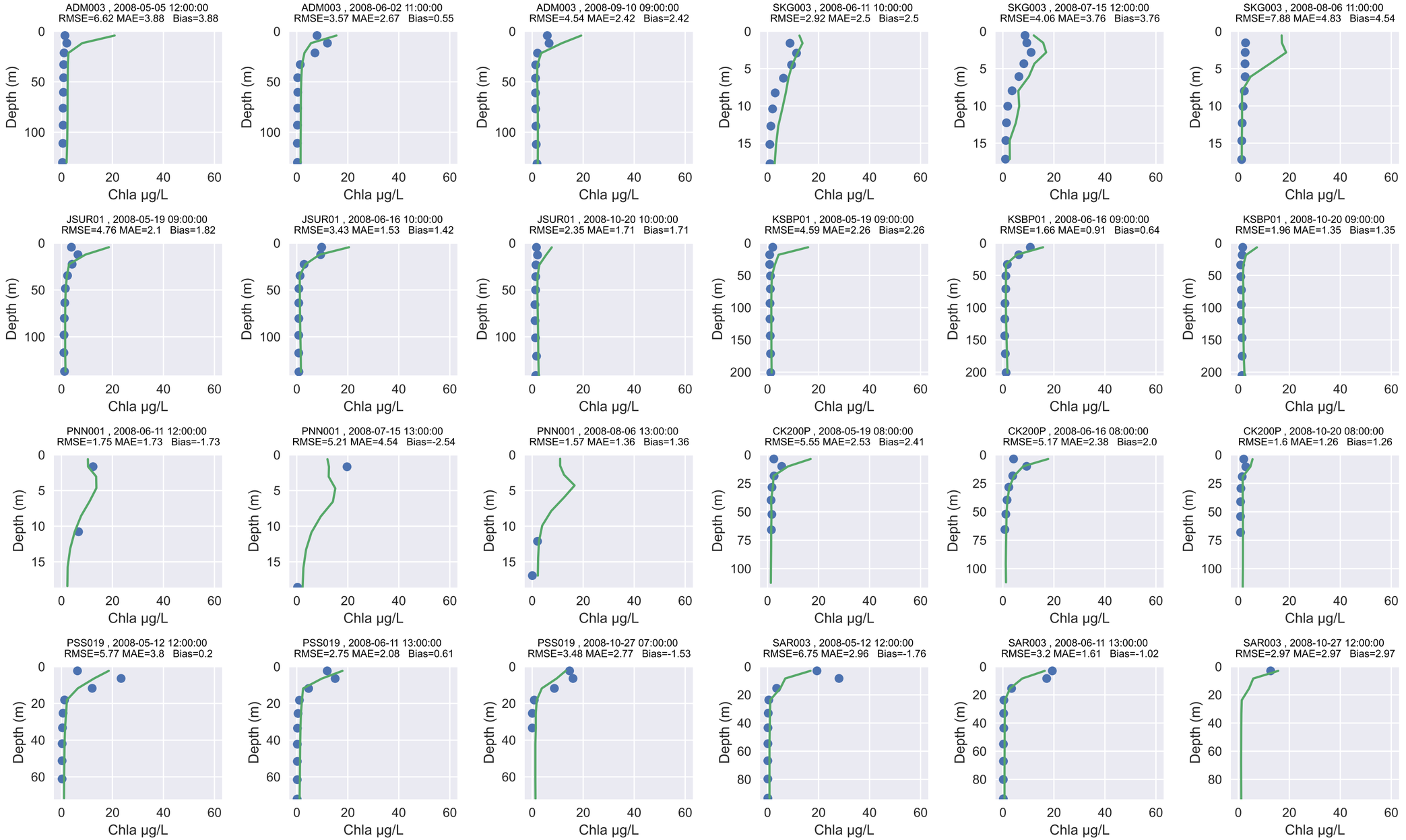

CSE002 , 2008-08-19 13:00:00
RMSE=0.06 MAE=0.05 Bias=-0.04
Depth (m)
NH4N mg/L

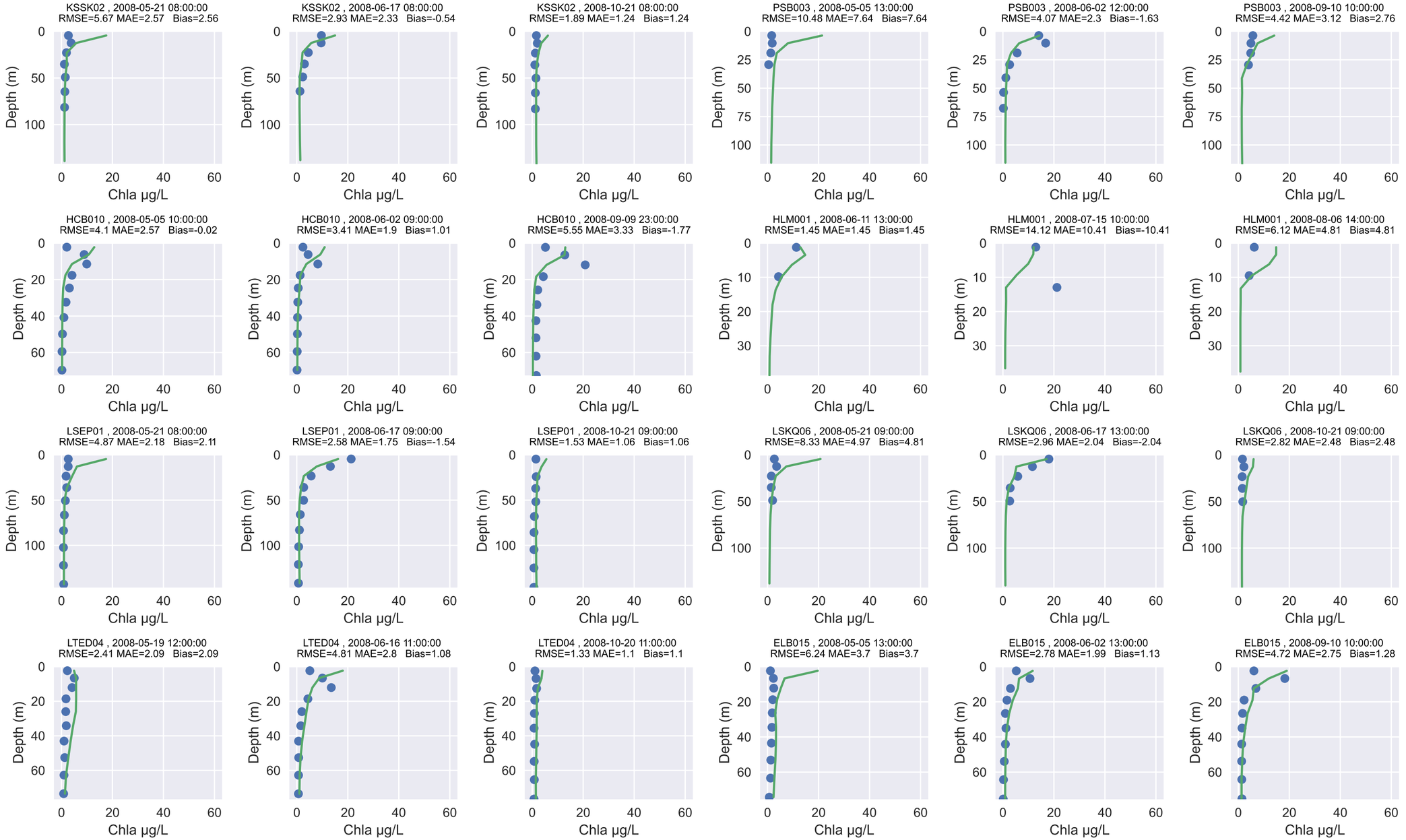

OAK004 , 2008-05-06 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

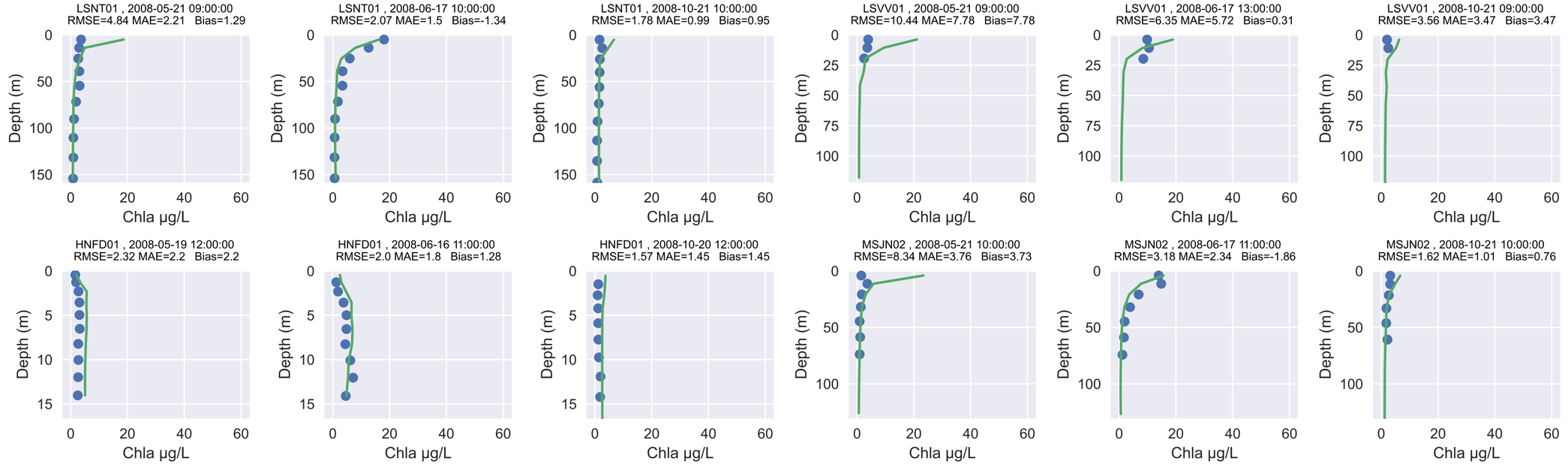

OAK004 , 2008-06-04 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

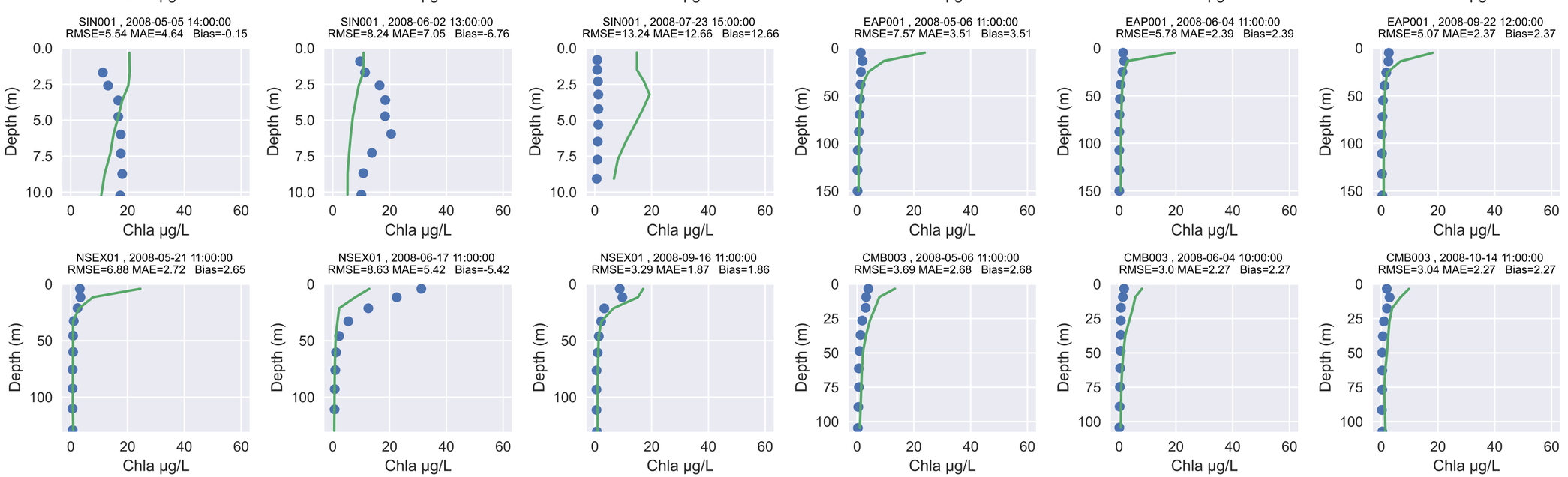

OAK004 , 2008-10-14 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
NH4N mg/L

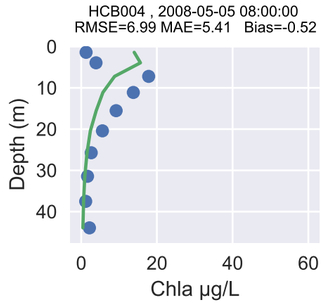

SJF002 , 2008-05-23 11:00:00
RMSE=4.38 MAE=2.76 Bias=2.76
SJF002 , 2008-06-17 11:00:00
RMSE=6.66 MAE=3.56 Bias=3.56
SJF002 , 2008-10-21 11:00:00
RMSE=2.95 MAE=2.31 Bias=2.31
SJF001 , 2008-05-23 10:00:00
RMSE=nan MAE=nan Bias=nan
SJF001 , 2008-06-17 10:00:00
RMSE=7.57 MAE=4.35 Bias=4.35
SJF001 , 2008-10-21 10:00:00
RMSE=3.33 MAE=2.59 Bias=2.59
SJF000 , 2008-05-23 09:00:00
RMSE=3.63 MAE=2.32 Bias=2.32
SJF000 , 2008-06-17 09:00:00
RMSE=6.08 MAE=3.35 Bias=3.35
SJF000 , 2008-09-29 09:00:00
RMSE=8.1 MAE=5.09 Bias=5.09
ADM002 , 2008-05-12 10:00:00
RMSE=5.6 MAE=3.66 Bias=3.66
ADM002 , 2008-06-11 11:00:00
RMSE=5.6 MAE=3.55 Bias=3.55
PR21a , 2008-08-13 15:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-05-12 09:00:00
RMSE=3.21 MAE=1.19 Bias=0.85
GRG002 , 2008-06-11 09:00:00
RMSE=3.78 MAE=2.2 Bias=2.2
GRG002 , 2008-10-27 10:00:00
RMSE=2.69 MAE=1.69 Bias=1.69
PTH005 , 2008-04-08 10:00:00
RMSE=4.08 MAE=3.38 Bias=3.38
PTH005 , 2008-05-12 11:00:00
RMSE=5.84 MAE=3.77 Bias=2.64
PTH005 , 2008-09-02 10:00:00
RMSE=3.06 MAE=2.47 Bias=-0.09
BLL009 , 2008-05-12 09:00:00
RMSE=10.56 MAE=9.04 Bias=5.04
BLL009 , 2008-07-15 11:00:00
RMSE=14.47 MAE=12.99 Bias=12.99
BLL009 , 2008-10-27 11:00:00
RMSE=6.53 MAE=5.88 Bias=5.88
ADM001 , 2008-05-05 11:00:00
RMSE=6.94 MAE=4.21 Bias=4.21
ADM001 , 2008-06-02 10:00:00
RMSE=4.88 MAE=4.0 Bias=-1.93
ADM001 , 2008-09-10 08:00:00
RMSE=2.22 MAE=1.37 Bias=0.57
Depth (m)
Chla µg/L

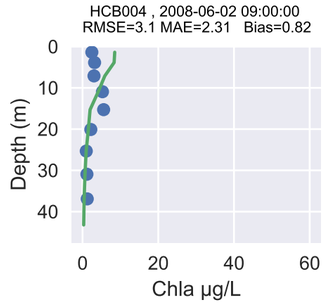

ADM003 , 2008-05-05 12:00:00
RMSE=6.62 MAE=3.88 Bias=3.88
ADM003 , 2008-06-02 11:00:00
RMSE=3.57 MAE=2.67 Bias=0.55
ADM003 , 2008-09-10 09:00:00
RMSE=4.54 MAE=2.42 Bias=2.42
SKG003 , 2008-06-11 10:00:00
RMSE=2.92 MAE=2.5 Bias=2.5
SKG003 , 2008-07-15 12:00:00
RMSE=4.06 MAE=3.76 Bias=3.76
SKG003 , 2008-08-06 11:00:00
RMSE=7.88 MAE=4.83 Bias=4.54
JSUR01 , 2008-05-19 09:00:00
RMSE=4.76 MAE=2.1 Bias=1.82
JSUR01 , 2008-06-16 10:00:00
RMSE=3.43 MAE=1.53 Bias=1.42
JSUR01 , 2008-10-20 10:00:00
RMSE=2.35 MAE=1.71 Bias=1.71
KSBP01 , 2008-05-19 09:00:00
RMSE=4.59 MAE=2.26 Bias=2.26
KSBP01 , 2008-06-16 09:00:00
RMSE=1.66 MAE=0.91 Bias=0.64
KSBP01 , 2008-10-20 09:00:00
RMSE=1.96 MAE=1.35 Bias=1.35
PNN001 , 2008-06-11 12:00:00
RMSE=1.75 MAE=1.73 Bias=-1.73
PNN001 , 2008-07-15 13:00:00
RMSE=5.21 MAE=4.54 Bias=-2.54
PNN001 , 2008-08-06 13:00:00
RMSE=1.57 MAE=1.36 Bias=1.36
CK200P , 2008-05-19 08:00:00
RMSE=5.55 MAE=2.53 Bias=2.41
CK200P , 2008-06-16 08:00:00
RMSE=5.17 MAE=2.38 Bias=2.0
CK200P , 2008-10-20 08:00:00
RMSE=1.6 MAE=1.26 Bias=1.26
PSS019 , 2008-05-12 12:00:00
RMSE=5.77 MAE=3.8 Bias=0.2
PSS019 , 2008-06-11 13:00:00
RMSE=2.75 MAE=2.08 Bias=0.61
PSS019 , 2008-10-27 07:00:00
RMSE=3.48 MAE=2.77 Bias=-1.53
SAR003 , 2008-05-12 12:00:00
RMSE=6.75 MAE=2.96 Bias=-1.76
SAR003 , 2008-06-11 13:00:00
RMSE=3.2 MAE=1.61 Bias=-1.02
SAR003 , 2008-10-27 12:00:00
RMSE=2.97 MAE=2.97 Bias=2.97
Depth (m)
Chla µg/L

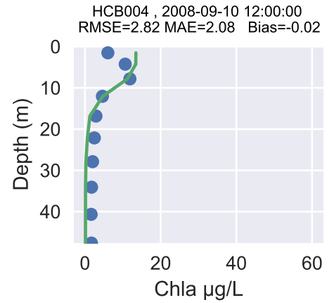

KSSK02 , 2008-05-21 08:00:00
RMSE=5.67 MAE=2.57 Bias=2.56
KSSK02 , 2008-06-17 08:00:00
RMSE=2.93 MAE=2.33 Bias=-0.54
KSSK02 , 2008-10-21 08:00:00
RMSE=1.89 MAE=1.24 Bias=1.24
PSB003 , 2008-05-05 13:00:00
RMSE=10.48 MAE=7.64 Bias=7.64
PSB003 , 2008-06-02 12:00:00
RMSE=4.07 MAE=2.3 Bias=-1.63
PSB003 , 2008-09-10 10:00:00
RMSE=4.42 MAE=3.12 Bias=2.76
HCB010 , 2008-05-05 10:00:00
RMSE=4.1 MAE=2.57 Bias=-0.02
HCB010 , 2008-06-02 09:00:00
RMSE=3.41 MAE=1.9 Bias=1.01
HCB010 , 2008-09-09 23:00:00
RMSE=5.55 MAE=3.33 Bias=-1.77
HLM001 , 2008-06-11 13:00:00
RMSE=1.45 MAE=1.45 Bias=1.45
HLM001 , 2008-07-15 10:00:00
RMSE=14.12 MAE=10.41 Bias=-10.41
HLM001 , 2008-08-06 14:00:00
RMSE=6.12 MAE=4.81 Bias=4.81
LSEP01 , 2008-05-21 08:00:00
RMSE=4.87 MAE=2.18 Bias=2.11
LSEP01 , 2008-06-17 09:00:00
RMSE=2.58 MAE=1.75 Bias=-1.54
LSEP01 , 2008-10-21 09:00:00
RMSE=1.53 MAE=1.06 Bias=1.06
LSKQ06 , 2008-05-21 09:00:00
RMSE=8.33 MAE=4.97 Bias=4.81
LSKQ06 , 2008-06-17 13:00:00
RMSE=2.96 MAE=2.04 Bias=-2.04
LSKQ06 , 2008-10-21 09:00:00
RMSE=2.82 MAE=2.48 Bias=2.48
LTED04 , 2008-05-19 12:00:00
RMSE=2.41 MAE=2.09 Bias=2.09
LTED04 , 2008-06-16 11:00:00
RMSE=4.81 MAE=2.8 Bias=1.08
LTED04 , 2008-10-20 11:00:00
RMSE=1.33 MAE=1.1 Bias=1.1
ELB015 , 2008-05-05 13:00:00
RMSE=6.24 MAE=3.7 Bias=3.7
ELB015 , 2008-06-02 13:00:00
RMSE=2.78 MAE=1.99 Bias=1.13
ELB015 , 2008-09-10 10:00:00
RMSE=4.72 MAE=2.75 Bias=1.28
Depth (m)
Chla µg/L

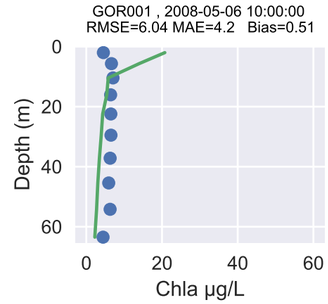

LSNT01 , 2008-05-21 09:00:00
RMSE=4.84 MAE=2.21 Bias=1.29
LSNT01 , 2008-06-17 10:00:00
RMSE=2.07 MAE=1.5 Bias=-1.34
LSNT01 , 2008-10-21 10:00:00
RMSE=1.78 MAE=0.99 Bias=0.95
LSVV01 , 2008-05-21 09:00:00
RMSE=10.44 MAE=7.78 Bias=7.78
LSVV01 , 2008-06-17 13:00:00
RMSE=6.35 MAE=5.72 Bias=0.31
LSVV01 , 2008-10-21 09:00:00
RMSE=3.56 MAE=3.47 Bias=3.47
HNFD01 , 2008-05-19 12:00:00
RMSE=2.32 MAE=2.2 Bias=2.2
HNFD01 , 2008-06-16 11:00:00
RMSE=2.0 MAE=1.8 Bias=1.28
HNFD01 , 2008-10-20 12:00:00
RMSE=1.57 MAE=1.45 Bias=1.45
MSJN02 , 2008-05-21 10:00:00
RMSE=8.34 MAE=3.76 Bias=3.73
MSJN02 , 2008-06-17 11:00:00
RMSE=3.18 MAE=2.34 Bias=-1.86
MSJN02 , 2008-10-21 10:00:00
RMSE=1.62 MAE=1.01 Bias=0.76
Depth (m)
Chla µg/L

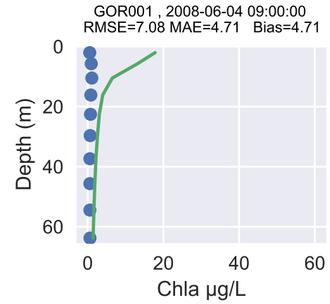

SIN001 , 2008-05-05 14:00:00
RMSE=5.54 MAE=4.64 Bias=-0.15
SIN001 , 2008-06-02 13:00:00
RMSE=8.24 MAE=7.05 Bias=-6.76
SIN001 , 2008-07-23 15:00:00
RMSE=13.24 MAE=12.66 Bias=12.66
EAP001 , 2008-05-06 11:00:00
RMSE=7.57 MAE=3.51 Bias=3.51
EAP001 , 2008-06-04 11:00:00
RMSE=5.78 MAE=2.39 Bias=2.39
EAP001 , 2008-09-22 12:00:00
RMSE=5.07 MAE=2.37 Bias=2.37
NSEX01 , 2008-05-21 11:00:00
RMSE=6.88 MAE=2.72 Bias=2.65
NSEX01 , 2008-06-17 11:00:00
RMSE=8.63 MAE=5.42 Bias=-5.42
NSEX01 , 2008-09-16 11:00:00
RMSE=3.29 MAE=1.87 Bias=1.86
CMB003 , 2008-05-06 11:00:00
RMSE=3.69 MAE=2.68 Bias=2.68
CMB003 , 2008-06-04 10:00:00
RMSE=3.0 MAE=2.27 Bias=2.27
CMB003 , 2008-10-14 11:00:00
RMSE=3.04 MAE=2.27 Bias=2.27
Depth (m)
Chla µg/L

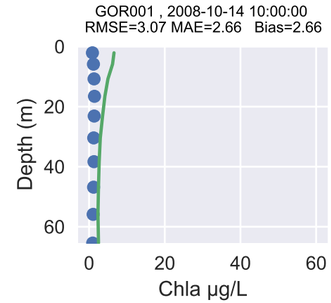

HCB004 , 2008-05-05 08:00:00
RMSE=6.99 MAE=5.41 Bias=-0.52
Depth (m)
Chla µg/L

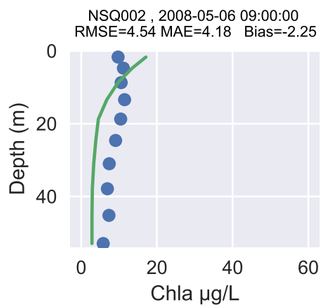

HCB004 , 2008-06-02 09:00:00
RMSE=3.1 MAE=2.31 Bias=0.82
Depth (m)
Chla µg/L

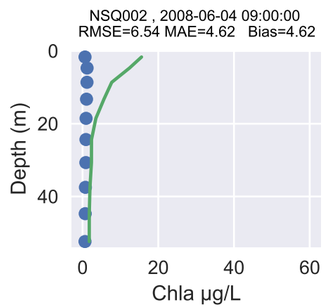

HCB004 , 2008-09-10 12:00:00
RMSE=2.82 MAE=2.08 Bias=-0.02
Depth (m)
Chla µg/L

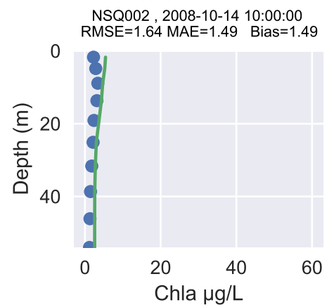

GOR001 , 2008-05-06 10:00:00
RMSE=6.04 MAE=4.2 Bias=0.51
Depth (m)
Chla µg/L

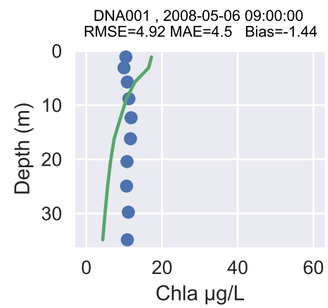

GOR001 , 2008-06-04 09:00:00
RMSE=7.08 MAE=4.71 Bias=4.71
Depth (m)
Chla µg/L

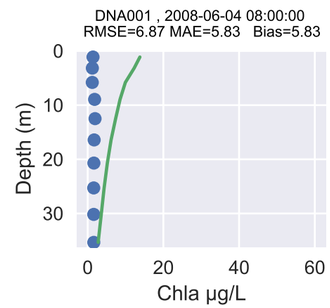

GOR001 , 2008-10-14 10:00:00
RMSE=3.07 MAE=2.66 Bias=2.66
Depth (m)
Chla µg/L

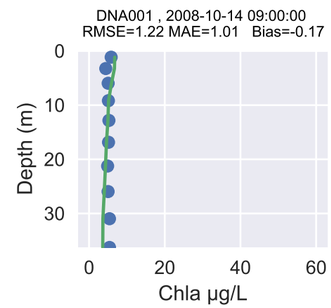

NSQ002 , 2008-05-06 09:00:00
RMSE=4.54 MAE=4.18 Bias=-2.25
Depth (m)
Chla µg/L

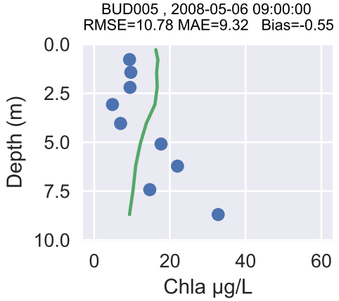

NSQ002 , 2008-06-04 09:00:00
RMSE=6.54 MAE=4.62 Bias=4.62
Depth (m)
Chla µg/L

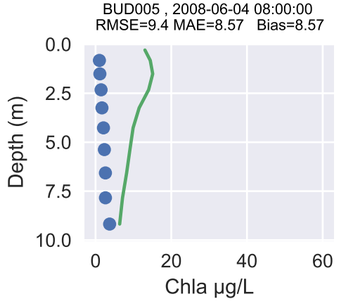

NSQ002 , 2008-10-14 10:00:00
RMSE=1.64 MAE=1.49 Bias=1.49
Depth (m)
Chla µg/L

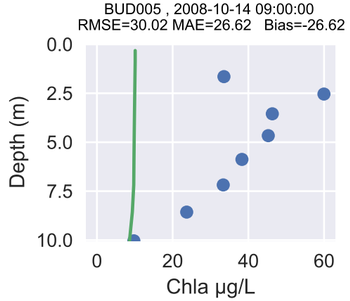

DNA001 , 2008-05-06 09:00:00
RMSE=4.92 MAE=4.5 Bias=-1.44
Depth (m)
Chla µg/L

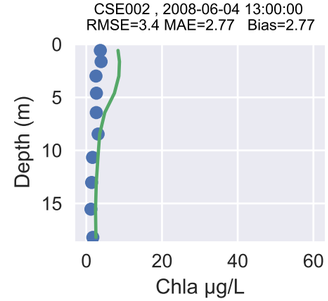

DNA001 , 2008-06-04 08:00:00
RMSE=6.87 MAE=5.83 Bias=5.83
Depth (m)
Chla µg/L

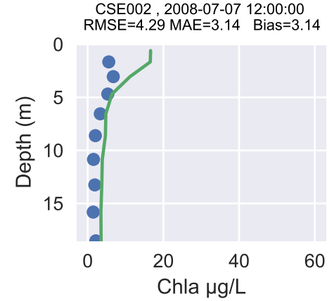

DNA001 , 2008-10-14 09:00:00
RMSE=1.22 MAE=1.01 Bias=-0.17
Depth (m)
Chla µg/L

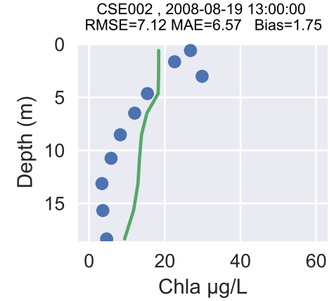

BUD005 , 2008-05-06 09:00:00
RMSE=10.78 MAE=9.32 Bias=-0.55
Depth (m)
Chla µg/L

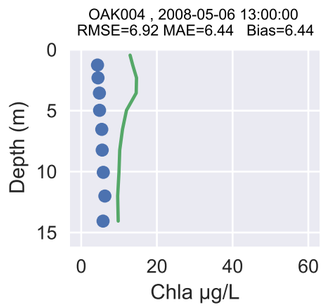

BUD005 , 2008-06-04 08:00:00
RMSE=9.4 MAE=8.57 Bias=8.57
Depth (m)
Chla µg/L

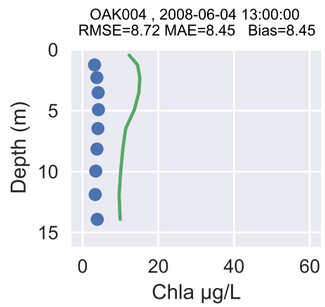

BUD005 , 2008-10-14 09:00:00
RMSE=30.02 MAE=26.62 Bias=-26.62
Depth (m)
Chla µg/L

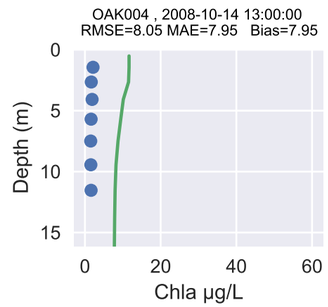

CSE002 , 2008-06-04 13:00:00
RMSE=3.4 MAE=2.77 Bias=2.77
Depth (m)
Chla µg/L

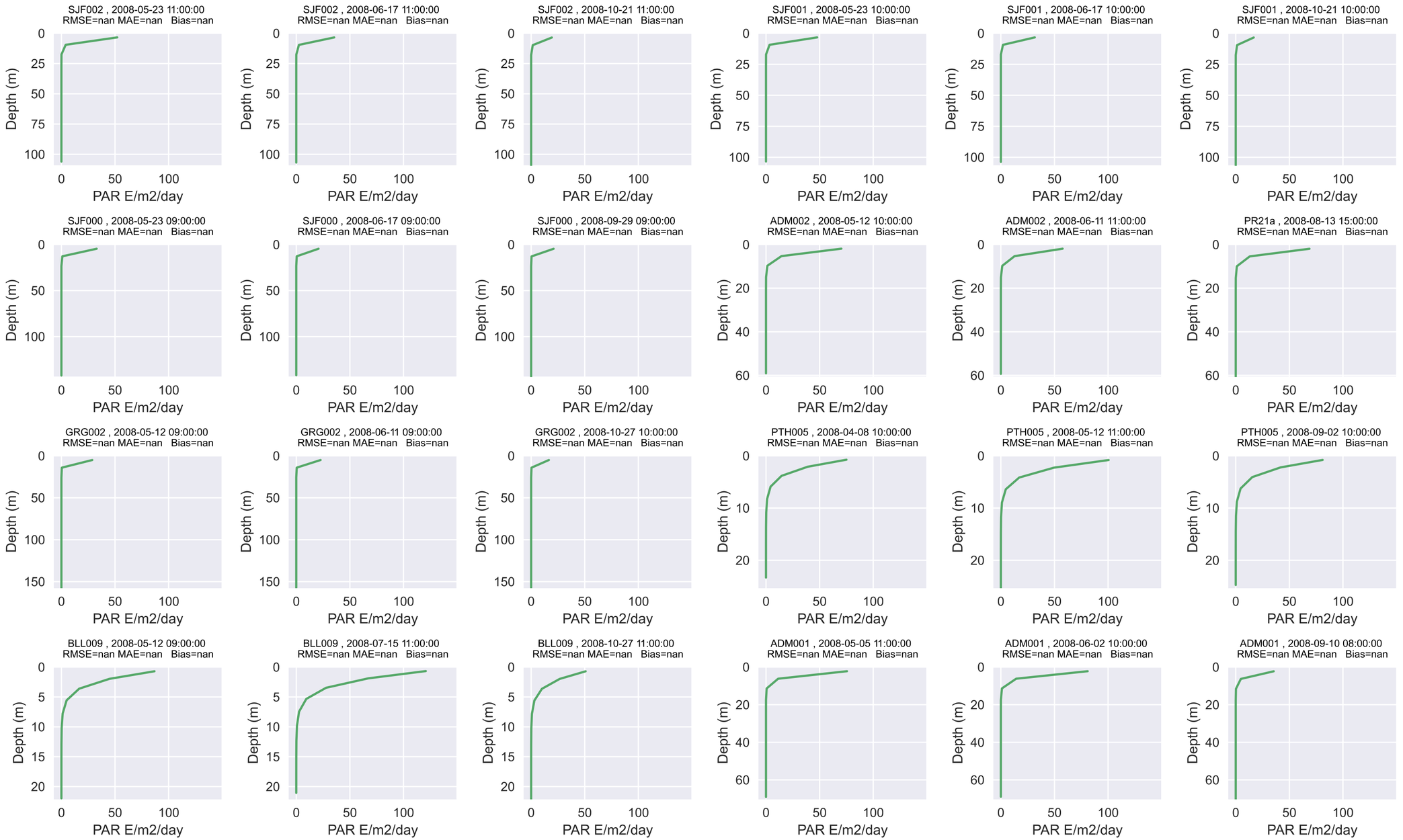

CSE002 , 2008-07-07 12:00:00
RMSE=4.29 MAE=3.14 Bias=3.14
Depth (m)
Chla µg/L

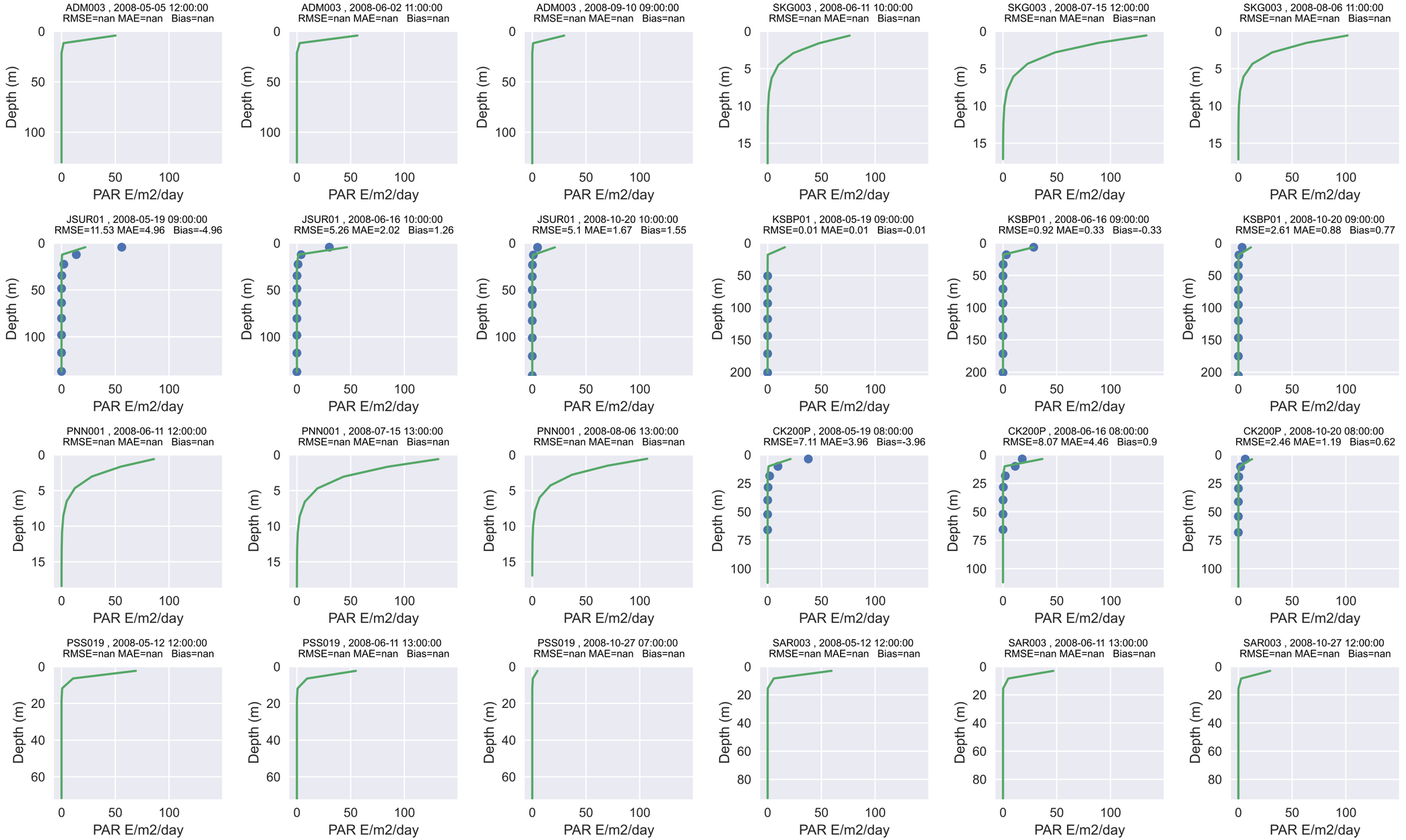

CSE002 , 2008-08-19 13:00:00
RMSE=7.12 MAE=6.57 Bias=1.75
Depth (m)
Chla µg/L

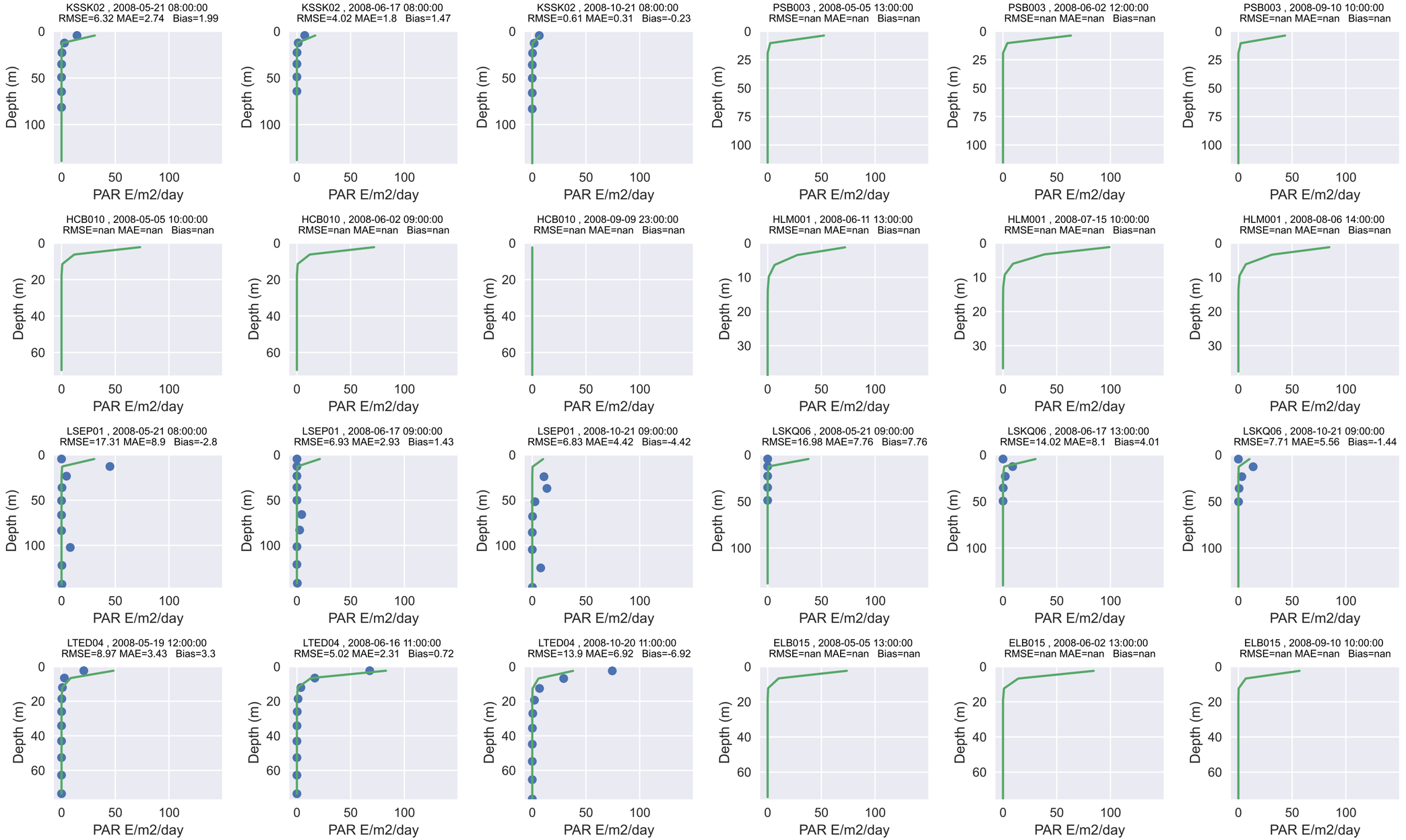

OAK004 , 2008-05-06 13:00:00
RMSE=6.92 MAE=6.44 Bias=6.44
Depth (m)
Chla µg/L

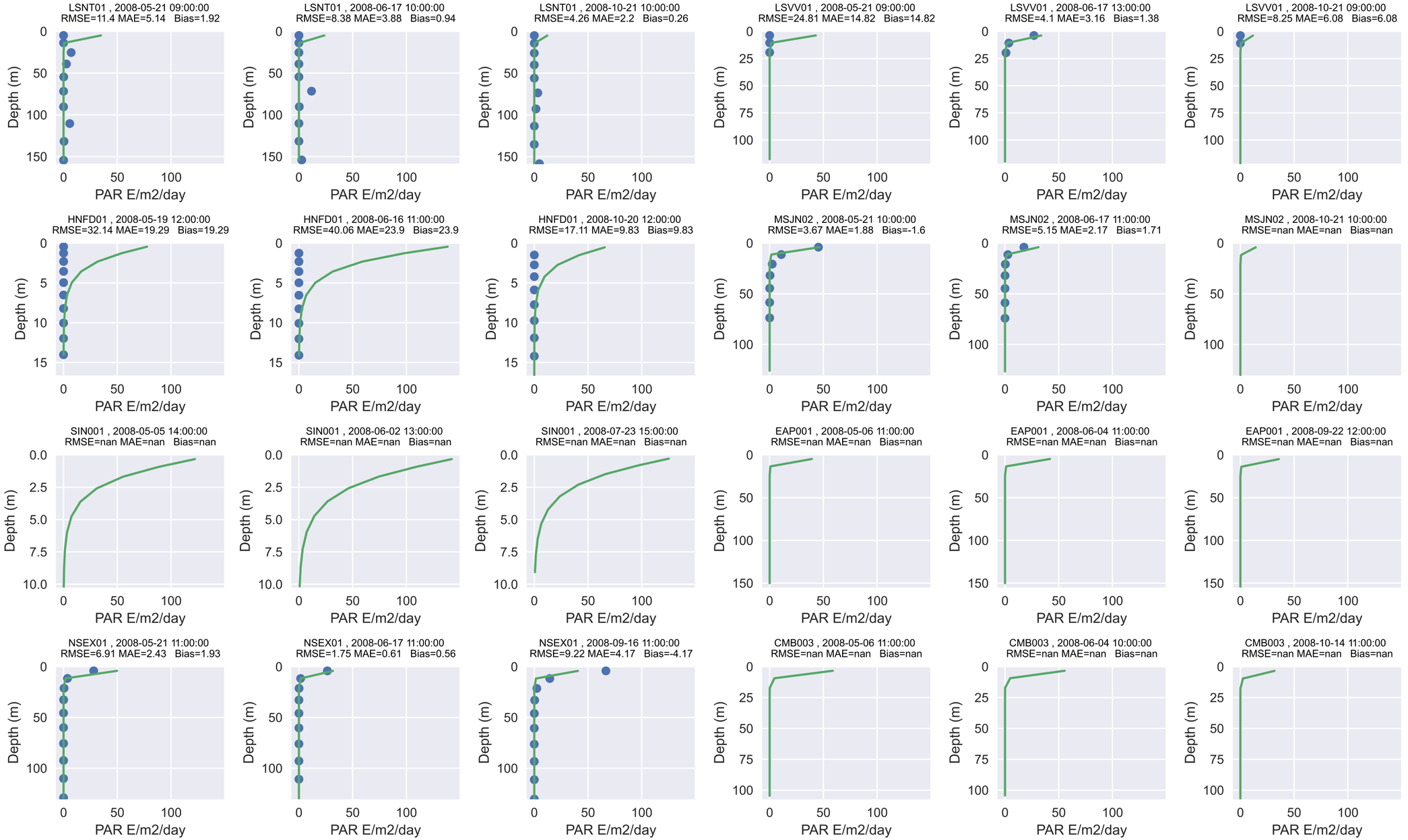

OAK004 , 2008-06-04 13:00:00
RMSE=8.72 MAE=8.45 Bias=8.45
Depth (m)
Chla µg/L

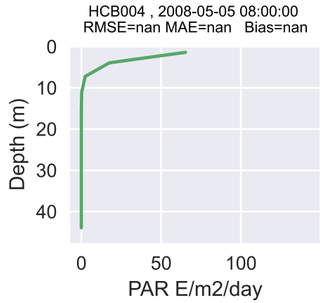

OAK004 , 2008-10-14 13:00:00
RMSE=8.05 MAE=7.95 Bias=7.95
Depth (m)
Chla µg/L

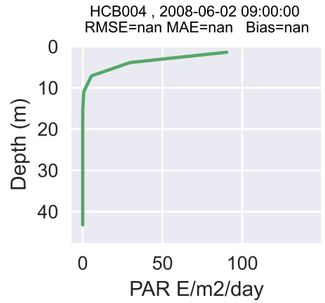

SJF002 , 2008-05-23 11:00:00
RMSE=nan MAE=nan Bias=nan
SJF002 , 2008-06-17 11:00:00
RMSE=nan MAE=nan Bias=nan
SJF002 , 2008-10-21 11:00:00
RMSE=nan MAE=nan Bias=nan
SJF001 , 2008-05-23 10:00:00
RMSE=nan MAE=nan Bias=nan
SJF001 , 2008-06-17 10:00:00
RMSE=nan MAE=nan Bias=nan
SJF001 , 2008-10-21 10:00:00
RMSE=nan MAE=nan Bias=nan
SJF000 , 2008-05-23 09:00:00
RMSE=nan MAE=nan Bias=nan
SJF000 , 2008-06-17 09:00:00
RMSE=nan MAE=nan Bias=nan
SJF000 , 2008-09-29 09:00:00
RMSE=nan MAE=nan Bias=nan
ADM002 , 2008-05-12 10:00:00
RMSE=nan MAE=nan Bias=nan
ADM002 , 2008-06-11 11:00:00
RMSE=nan MAE=nan Bias=nan
PR21a , 2008-08-13 15:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-05-12 09:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-06-11 09:00:00
RMSE=nan MAE=nan Bias=nan
GRG002 , 2008-10-27 10:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-04-08 10:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-05-12 11:00:00
RMSE=nan MAE=nan Bias=nan
PTH005 , 2008-09-02 10:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-05-12 09:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-07-15 11:00:00
RMSE=nan MAE=nan Bias=nan
BLL009 , 2008-10-27 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-05-05 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-06-02 10:00:00
RMSE=nan MAE=nan Bias=nan
ADM001 , 2008-09-10 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

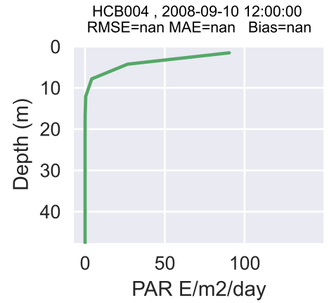

ADM003 , 2008-05-05 12:00:00
RMSE=nan MAE=nan Bias=nan
ADM003 , 2008-06-02 11:00:00
RMSE=nan MAE=nan Bias=nan
ADM003 , 2008-09-10 09:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-06-11 10:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-07-15 12:00:00
RMSE=nan MAE=nan Bias=nan
SKG003 , 2008-08-06 11:00:00
RMSE=nan MAE=nan Bias=nan
JSUR01 , 2008-05-19 09:00:00
RMSE=11.53 MAE=4.96 Bias=-4.96
JSUR01 , 2008-06-16 10:00:00
RMSE=5.26 MAE=2.02 Bias=1.26
JSUR01 , 2008-10-20 10:00:00
RMSE=5.1 MAE=1.67 Bias=1.55
KSBP01 , 2008-05-19 09:00:00
RMSE=0.01 MAE=0.01 Bias=-0.01
KSBP01 , 2008-06-16 09:00:00
RMSE=0.92 MAE=0.33 Bias=-0.33
KSBP01 , 2008-10-20 09:00:00
RMSE=2.61 MAE=0.88 Bias=0.77
PNN001 , 2008-06-11 12:00:00
RMSE=nan MAE=nan Bias=nan
PNN001 , 2008-07-15 13:00:00
RMSE=nan MAE=nan Bias=nan
PNN001 , 2008-08-06 13:00:00
RMSE=nan MAE=nan Bias=nan
CK200P , 2008-05-19 08:00:00
RMSE=7.11 MAE=3.96 Bias=-3.96
CK200P , 2008-06-16 08:00:00
RMSE=8.07 MAE=4.46 Bias=0.9
CK200P , 2008-10-20 08:00:00
RMSE=2.46 MAE=1.19 Bias=0.62
PSS019 , 2008-05-12 12:00:00
RMSE=nan MAE=nan Bias=nan
PSS019 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
PSS019 , 2008-10-27 07:00:00
RMSE=nan MAE=nan Bias=nan
SAR003 , 2008-05-12 12:00:00
RMSE=nan MAE=nan Bias=nan
SAR003 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
SAR003 , 2008-10-27 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

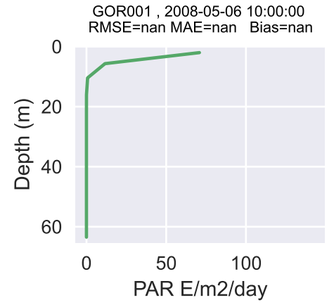

KSSK02 , 2008-05-21 08:00:00
RMSE=6.32 MAE=2.74 Bias=1.99
KSSK02 , 2008-06-17 08:00:00
RMSE=4.02 MAE=1.8 Bias=1.47
KSSK02 , 2008-10-21 08:00:00
RMSE=0.61 MAE=0.31 Bias=-0.23
PSB003 , 2008-05-05 13:00:00
RMSE=nan MAE=nan Bias=nan
PSB003 , 2008-06-02 12:00:00
RMSE=nan MAE=nan Bias=nan
PSB003 , 2008-09-10 10:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-05-05 10:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-06-02 09:00:00
RMSE=nan MAE=nan Bias=nan
HCB010 , 2008-09-09 23:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-06-11 13:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-07-15 10:00:00
RMSE=nan MAE=nan Bias=nan
HLM001 , 2008-08-06 14:00:00
RMSE=nan MAE=nan Bias=nan
LSEP01 , 2008-05-21 08:00:00
RMSE=17.31 MAE=8.9 Bias=-2.8
LSEP01 , 2008-06-17 09:00:00
RMSE=6.93 MAE=2.93 Bias=1.43
LSEP01 , 2008-10-21 09:00:00
RMSE=6.83 MAE=4.42 Bias=-4.42
LSKQ06 , 2008-05-21 09:00:00
RMSE=16.98 MAE=7.76 Bias=7.76
LSKQ06 , 2008-06-17 13:00:00
RMSE=14.02 MAE=8.1 Bias=4.01
LSKQ06 , 2008-10-21 09:00:00
RMSE=7.71 MAE=5.56 Bias=-1.44
LTED04 , 2008-05-19 12:00:00
RMSE=8.97 MAE=3.43 Bias=3.3
LTED04 , 2008-06-16 11:00:00
RMSE=5.02 MAE=2.31 Bias=0.72
LTED04 , 2008-10-20 11:00:00
RMSE=13.9 MAE=6.92 Bias=-6.92
ELB015 , 2008-05-05 13:00:00
RMSE=nan MAE=nan Bias=nan
ELB015 , 2008-06-02 13:00:00
RMSE=nan MAE=nan Bias=nan
ELB015 , 2008-09-10 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

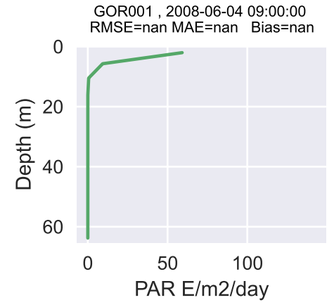

LSNT01 , 2008-05-21 09:00:00
RMSE=11.4 MAE=5.14 Bias=1.92
LSNT01 , 2008-06-17 10:00:00
RMSE=8.38 MAE=3.88 Bias=0.94
LSNT01 , 2008-10-21 10:00:00
RMSE=4.26 MAE=2.2 Bias=0.26
LSVV01 , 2008-05-21 09:00:00
RMSE=24.81 MAE=14.82 Bias=14.82
LSVV01 , 2008-06-17 13:00:00
RMSE=4.1 MAE=3.16 Bias=1.38
LSVV01 , 2008-10-21 09:00:00
RMSE=8.25 MAE=6.08 Bias=6.08
HNFD01 , 2008-05-19 12:00:00
RMSE=32.14 MAE=19.29 Bias=19.29
HNFD01 , 2008-06-16 11:00:00
RMSE=40.06 MAE=23.9 Bias=23.9
HNFD01 , 2008-10-20 12:00:00
RMSE=17.11 MAE=9.83 Bias=9.83
MSJN02 , 2008-05-21 10:00:00
RMSE=3.67 MAE=1.88 Bias=-1.6
MSJN02 , 2008-06-17 11:00:00
RMSE=5.15 MAE=2.17 Bias=1.71
MSJN02 , 2008-10-21 10:00:00
RMSE=nan MAE=nan Bias=nan
SIN001 , 2008-05-05 14:00:00
RMSE=nan MAE=nan Bias=nan
SIN001 , 2008-06-02 13:00:00
RMSE=nan MAE=nan Bias=nan
SIN001 , 2008-07-23 15:00:00
RMSE=nan MAE=nan Bias=nan
EAP001 , 2008-05-06 11:00:00
RMSE=nan MAE=nan Bias=nan
EAP001 , 2008-06-04 11:00:00
RMSE=nan MAE=nan Bias=nan
EAP001 , 2008-09-22 12:00:00
RMSE=nan MAE=nan Bias=nan
NSEX01 , 2008-05-21 11:00:00
RMSE=6.91 MAE=2.43 Bias=1.93
NSEX01 , 2008-06-17 11:00:00
RMSE=1.75 MAE=0.61 Bias=0.56
NSEX01 , 2008-09-16 11:00:00
RMSE=9.22 MAE=4.17 Bias=-4.17
CMB003 , 2008-05-06 11:00:00
RMSE=nan MAE=nan Bias=nan
CMB003 , 2008-06-04 10:00:00
RMSE=nan MAE=nan Bias=nan
CMB003 , 2008-10-14 11:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

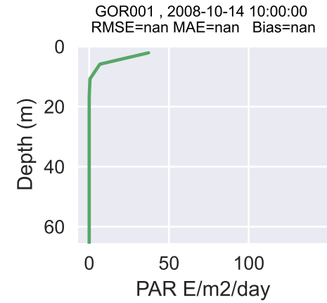

HCB004 , 2008-05-05 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

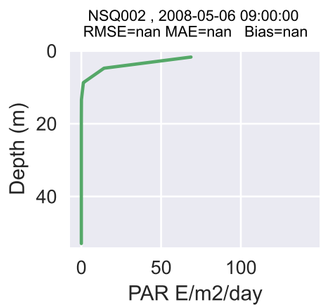

HCB004 , 2008-06-02 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

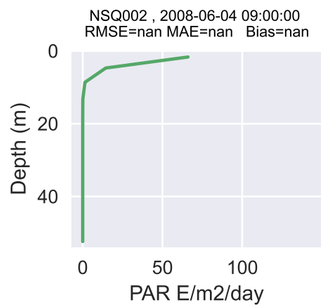

HCB004 , 2008-09-10 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

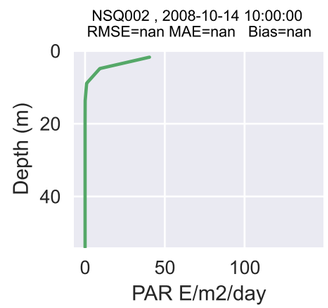

GOR001 , 2008-05-06 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

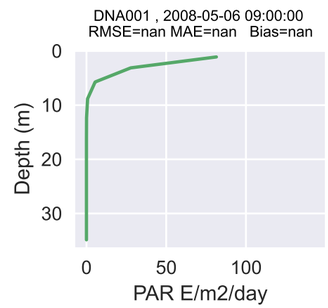

GOR001 , 2008-06-04 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

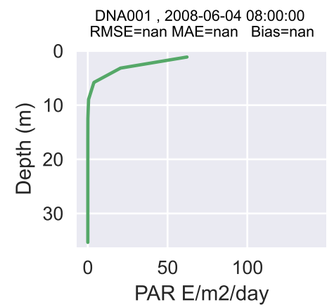

GOR001 , 2008-10-14 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

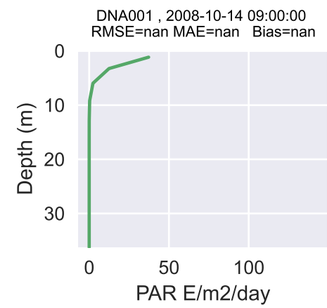

NSQ002 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

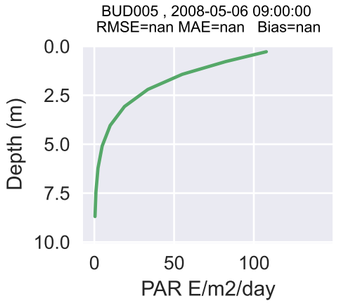

NSQ002 , 2008-06-04 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

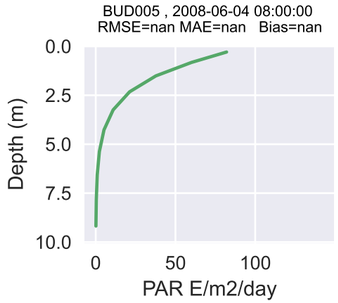

NSQ002 , 2008-10-14 10:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

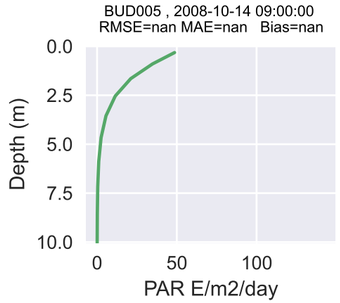

DNA001 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

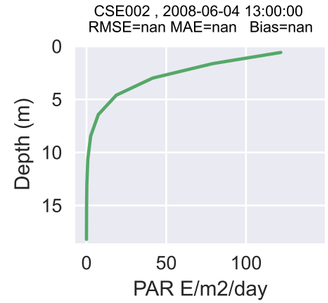

DNA001 , 2008-06-04 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

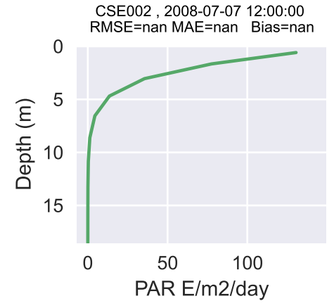

DNA001 , 2008-10-14 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

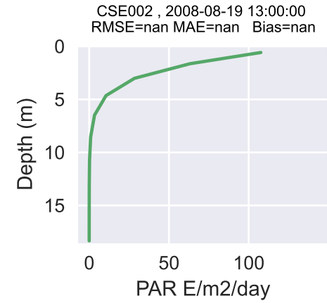

BUD005 , 2008-05-06 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

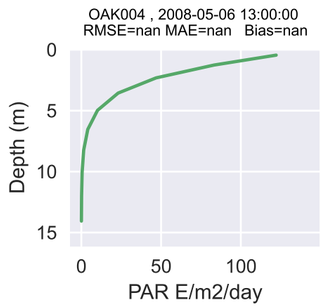

BUD005 , 2008-06-04 08:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

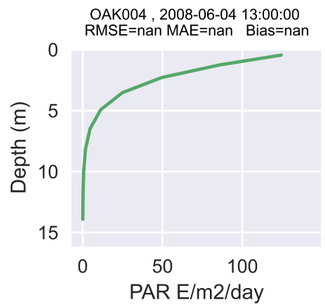

BUD005 , 2008-10-14 09:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

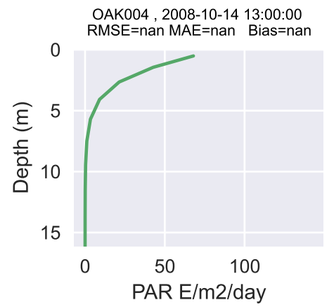

CSE002 , 2008-06-04 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day


CSE002 , 2008-07-07 12:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day


CSE002 , 2008-08-19 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

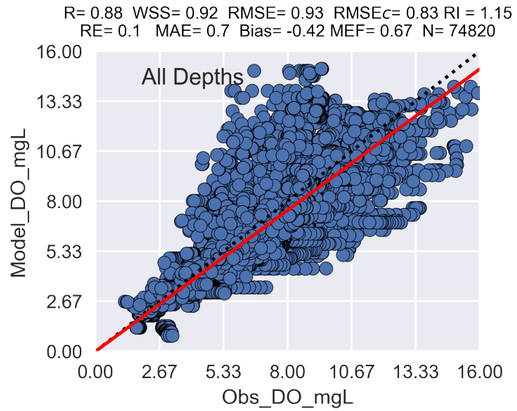

OAK004 , 2008-05-06 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

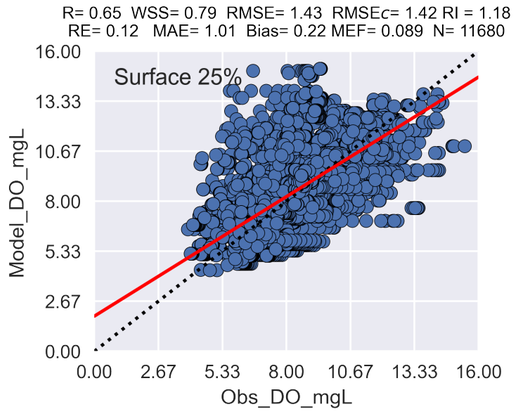

OAK004 , 2008-06-04 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

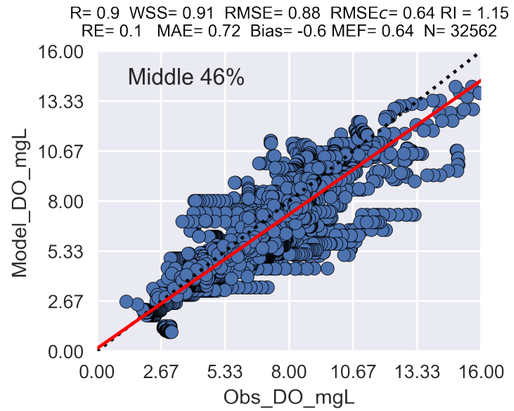

OAK004 , 2008-10-14 13:00:00
RMSE=nan MAE=nan Bias=nan
Depth (m)
PAR E/m2/day

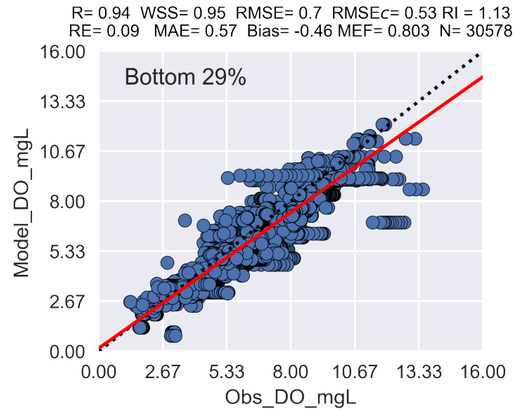
Appendix G2.
Dissolved Oxygen Scatterplots for Surface, Middle, and Bottom Waters for 2008

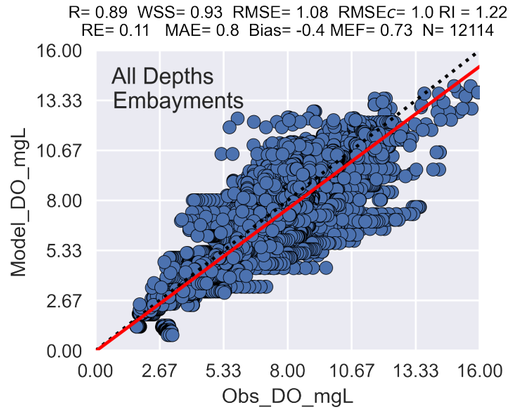
Note: Site HNFD01 is a brackish river location and is included in Appendix G1 but not in Appendix G2 since it is neither an embayment nor open estuary location. The difference in N between DO scatterplots in G1 and DO All Depths scatterplots in G2 are due to its exclusion.

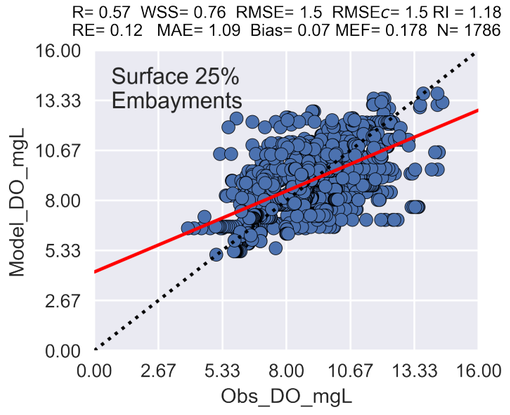

R= 0.88 WSS= 0.92 RMSE= 0.93 RMSEc= 0.83 RI = 1.15
RE= 0.1 MAE= 0.7 Bias= -0.42 MEF= 0.67 N= 74820
All Depths
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

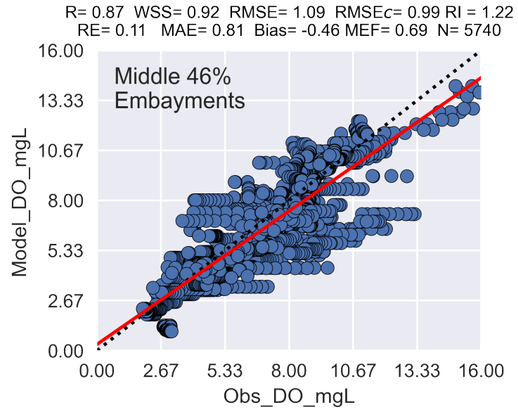

R= 0.65 WSS= 0.79 RMSE= 1.43 RMSEc= 1.42 RI = 1.18
RE= 0.12 MAE= 1.01 Bias= 0.22 MEF= 0.089 N= 11680
Surface 25%
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

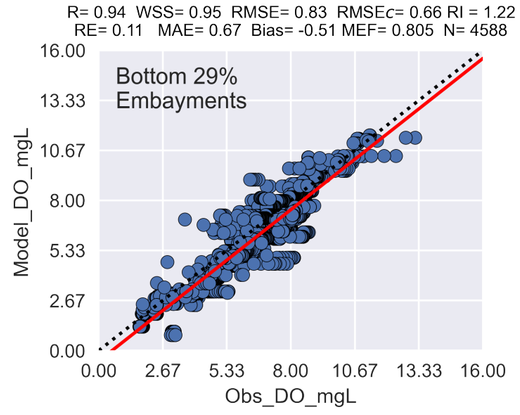

R= 0.9 WSS= 0.91 RMSE= 0.88 RMSEc= 0.64 RI = 1.15
RE= 0.1 MAE= 0.72 Bias= -0.6 MEF= 0.64 N= 32562
Middle 46%
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

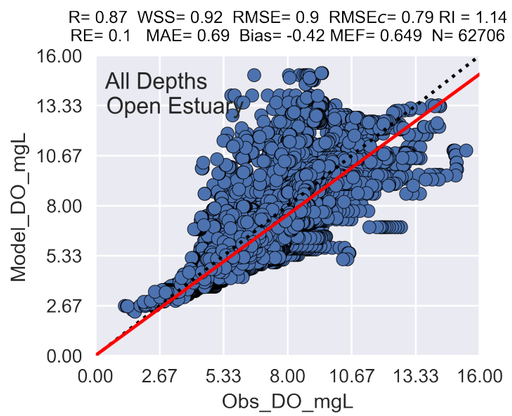

R= 0.94 WSS= 0.95 RMSE= 0.7 RMSEc= 0.53 RI = 1.13
RE= 0.09 MAE= 0.57 Bias= -0.46 MEF= 0.803 N= 30578
Bottom 29%
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

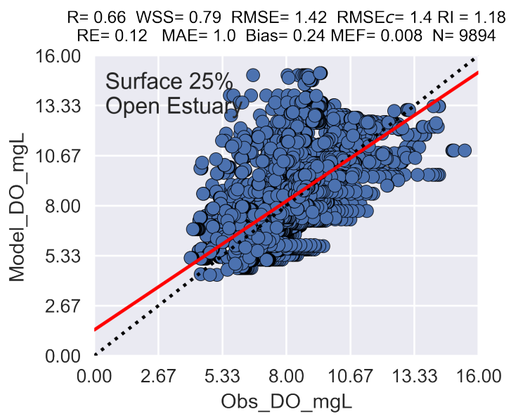

R= 0.89 WSS= 0.93 RMSE= 1.08 RMSEc= 1.0 RI = 1.22
RE= 0.11 MAE= 0.8 Bias= -0.4 MEF= 0.73 N= 12114
All Depths
Embayments
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

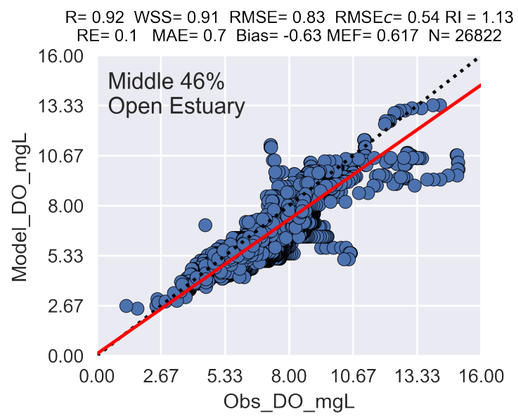

R= 0.57 WSS= 0.76 RMSE= 1.5 RMSEc= 1.5 RI = 1.18
RE= 0.12 MAE= 1.09 Bias= 0.07 MEF= 0.178 N= 1786
Surface 25%
Embayments
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

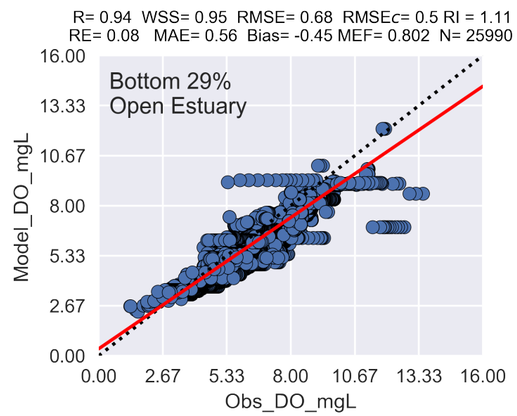

R= 0.87 WSS= 0.92 RMSE= 1.09 RMSEc= 0.99 RI = 1.22
RE= 0.11 MAE= 0.81 Bias= -0.46 MEF= 0.69 N= 5740
Middle 46%
Embayments
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

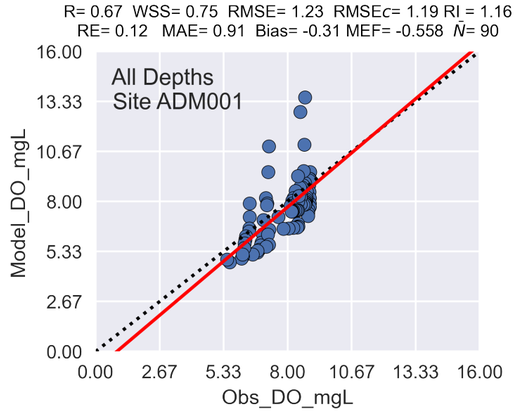

R= 0.94 WSS= 0.95 RMSE= 0.83 RMSEc= 0.66 RI = 1.22
RE= 0.11 MAE= 0.67 Bias= -0.51 MEF= 0.805 N= 4588
Bottom 29%
Embayments
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

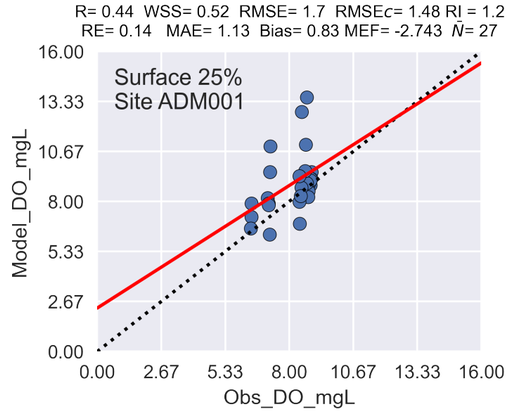

R= 0.87 WSS= 0.92 RMSE= 0.9 RMSEc= 0.79 RI = 1.14
RE= 0.1 MAE= 0.69 Bias= -0.42 MEF= 0.649 N= 62706
All Depths
Open Estuary
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

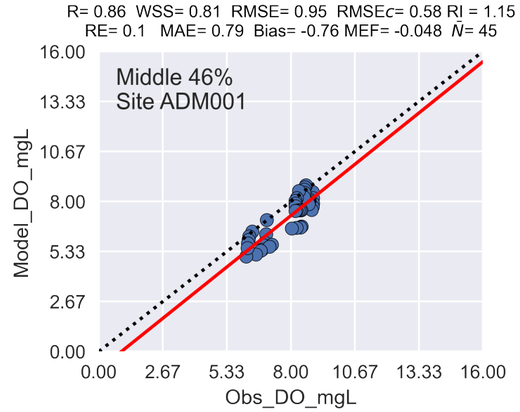

R= 0.66 WSS= 0.79 RMSE= 1.42 RMSEc= 1.4 RI = 1.18
RE= 0.12 MAE= 1.0 Bias= 0.24 MEF= 0.008 N= 9894
Surface 25%
Open Estuary
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

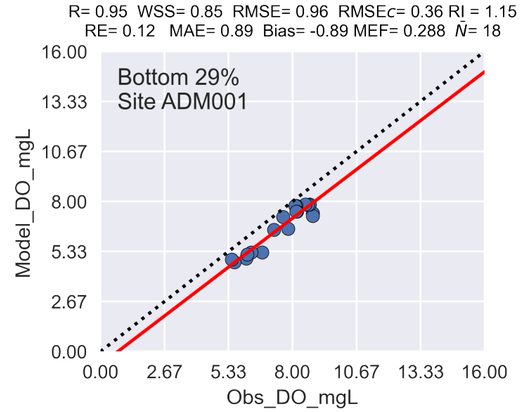

R= 0.92 WSS= 0.91 RMSE= 0.83 RMSEc= 0.54 RI = 1.13
RE= 0.1 MAE= 0.7 Bias= -0.63 MEF= 0.617 N= 26822
Middle 46%
Open Estuary
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

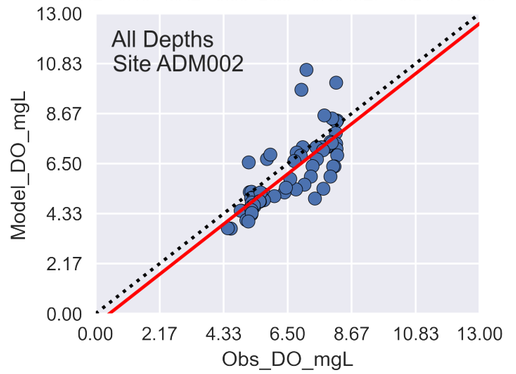

R= 0.94 WSS= 0.95 RMSE= 0.68 RMSEc= 0.5 RI = 1.11
RE= 0.08 MAE= 0.56 Bias= -0.45 MEF= 0.802 N= 25990
Bottom 29%
Open Estuary
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

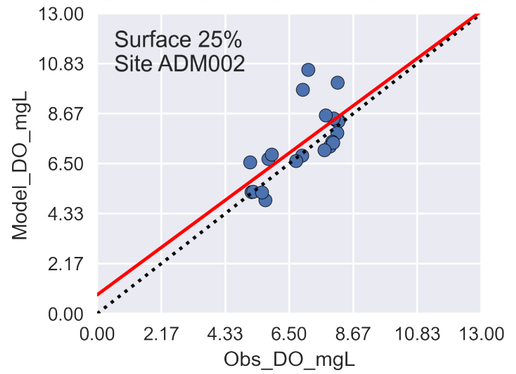

R= 0.67 WSS= 0.75 RMSE= 1.23 RMSEc= 1.19 RI = 1.16
RE= 0.12 MAE= 0.91 Bias= -0.31 MEF= -0.558 N̄= 90
All Depths
Site ADM001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00


R= 0.44 WSS= 0.52 RMSE= 1.7 RMSEc= 1.48 RI = 1.2
RE= 0.14 MAE= 1.13 Bias= 0.83 MEF= -2.743 N̄= 27
Surface 25%
Site ADM001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

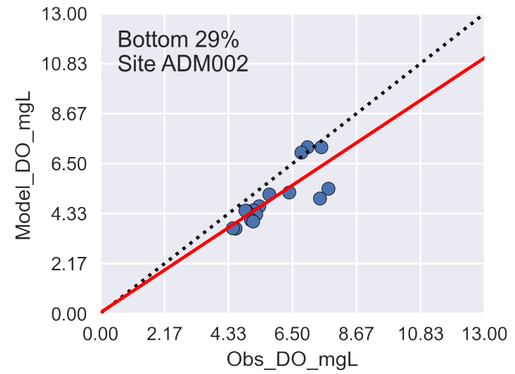

R= 0.86 WSS= 0.81 RMSE= 0.95 RMSEc= 0.58 RI = 1.15
RE= 0.1 MAE= 0.79 Bias= -0.76 MEF= -0.048 N̄= 45
Middle 46%
Site ADM001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

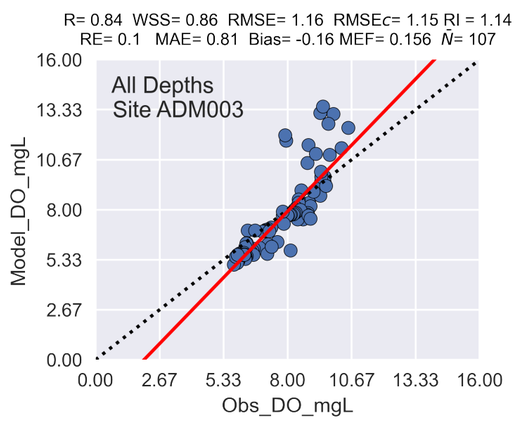

R= 0.95 WSS= 0.85 RMSE= 0.96 RMSEc= 0.36 RI = 1.15
RE= 0.12 MAE= 0.89 Bias= -0.89 MEF= 0.288 N̄= 18
Bottom 29%
Site ADM001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

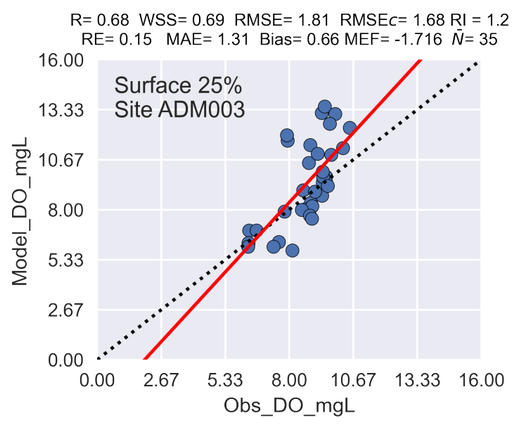

R= 0.78 WSS= 0.84 RMSE= 1.06 RMSEc= 0.96 RI = 1.18
RE= 0.13 MAE= 0.85 Bias= -0.45 MEF= 0.217 N̄= 69
All Depths
Site ADM002
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

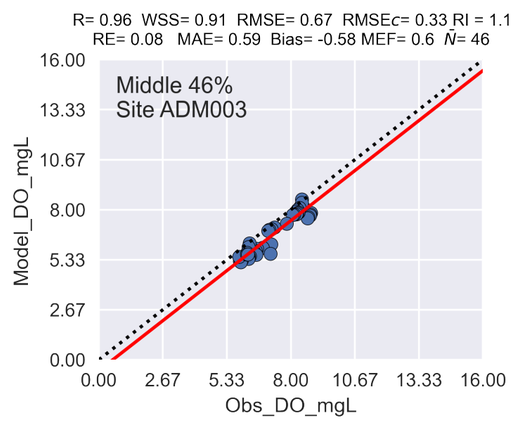

R= 0.7 WSS= 0.78 RMSE= 1.16 RMSEc= 1.08 RI = 1.16
RE= 0.11 MAE= 0.78 Bias= 0.43 MEF= -0.1 N̄= 22
Surface 25%
Site ADM002
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

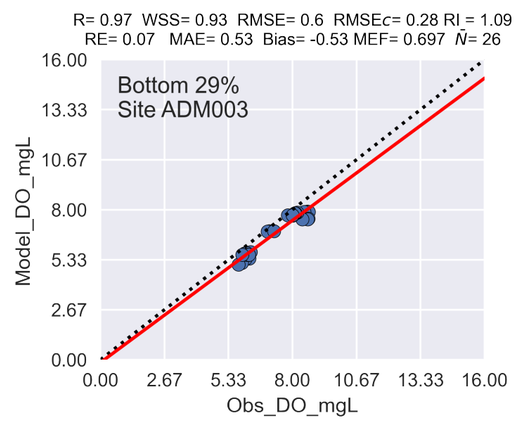

R= 0.93 WSS= 0.83 RMSE= 0.97 RMSEc= 0.42 RI = 1.17
RE= 0.13 MAE= 0.87 Bias= -0.87 MEF= 0.288 N̄= 31
Middle 46%
Site ADM002
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

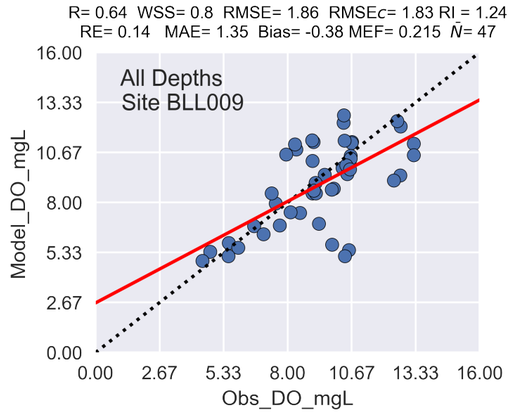

R= 0.8 WSS= 0.79 RMSE= 1.09 RMSEc= 0.7 RI = 1.22
RE= 0.15 MAE= 0.89 Bias= -0.84 MEF= -0.034 N̄= 16
Bottom 29%
Site ADM002
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

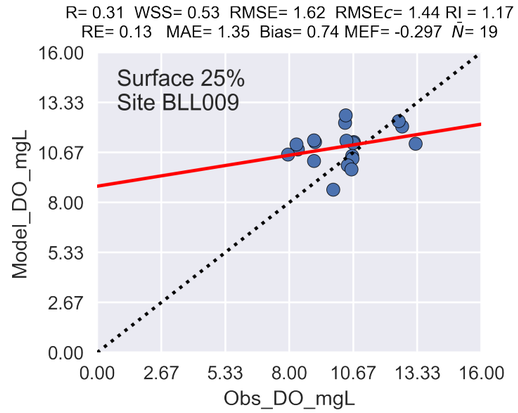

R= 0.84 WSS= 0.86 RMSE= 1.16 RMSEc= 1.15 RI = 1.14
RE= 0.1 MAE= 0.81 Bias= -0.16 MEF= 0.156 N̄= 107
All Depths
Site ADM003
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

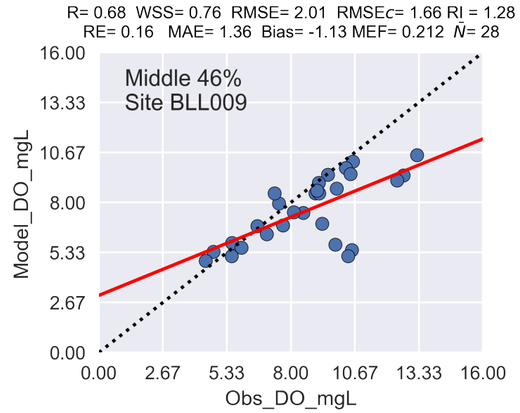

R= 0.68 WSS= 0.69 RMSE= 1.81 RMSEc= 1.68 RI = 1.2
RE= 0.15 MAE= 1.31 Bias= 0.66 MEF= -1.716 N̄= 35
Surface 25%
Site ADM003
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

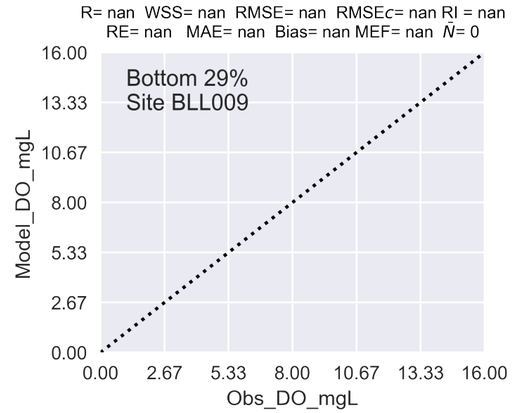

R= 0.96 WSS= 0.91 RMSE= 0.67 RMSEc= 0.33 RI = 1.1
RE= 0.08 MAE= 0.59 Bias= -0.58 MEF= 0.6 N̄= 46
Middle 46%
Site ADM003
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

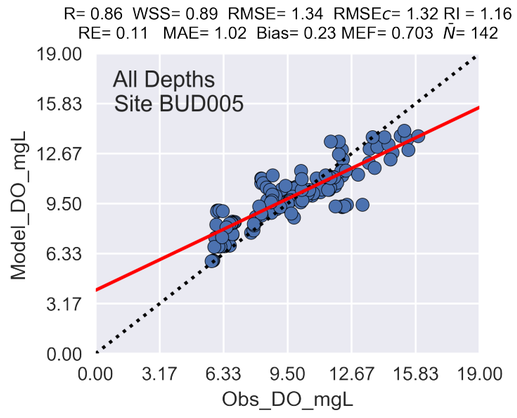

R= 0.97 WSS= 0.93 RMSE= 0.6 RMSEc= 0.28 RI = 1.09
RE= 0.07 MAE= 0.53 Bias= -0.53 MEF= 0.697 N̄= 26
Bottom 29%
Site ADM003
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

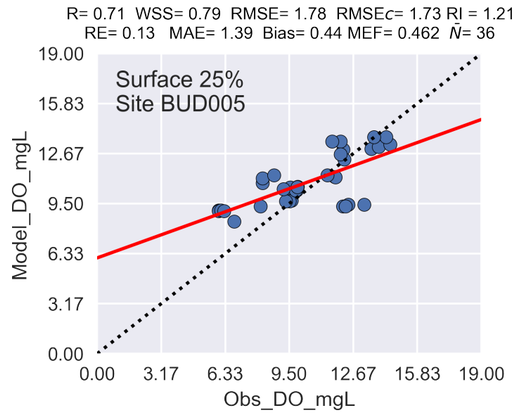

R= 0.64 WSS= 0.8 RMSE= 1.86 RMSEc= 1.83 RI = 1.24
RE= 0.14 MAE= 1.35 Bias= -0.38 MEF= 0.215 N̄= 47
All Depths
Site BLL009
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

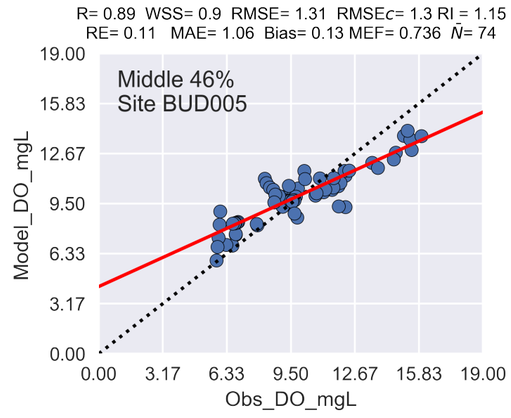

R= 0.31 WSS= 0.53 RMSE= 1.62 RMSEc= 1.44 RI = 1.17
RE= 0.13 MAE= 1.35 Bias= 0.74 MEF= -0.297 N̄= 19
Surface 25%
Site BLL009
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

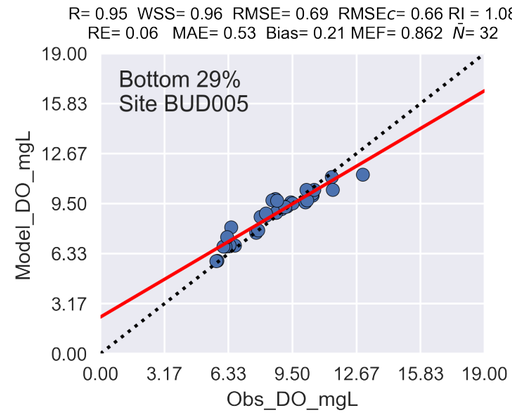

R= 0.68 WSS= 0.76 RMSE= 2.01 RMSEc= 1.66 RI = 1.28
RE= 0.16 MAE= 1.36 Bias= -1.13 MEF= 0.212 N̄= 28
Middle 46%
Site BLL009
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

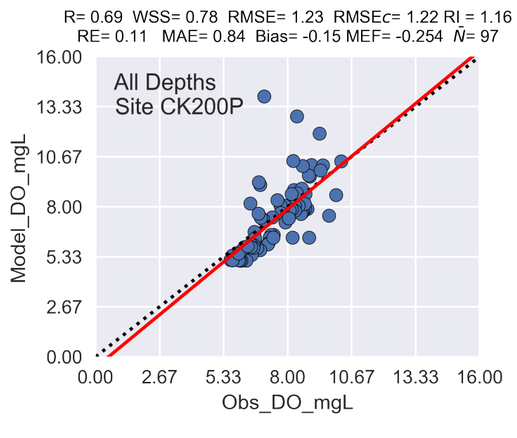

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site BLL009
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

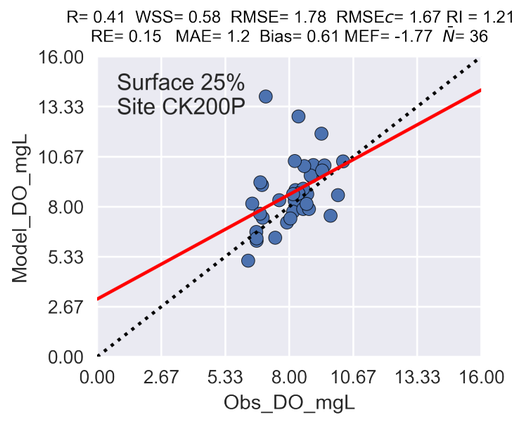

R= 0.86 WSS= 0.89 RMSE= 1.34 RMSEc= 1.32 RI = 1.16
RE= 0.11 MAE= 1.02 Bias= 0.23 MEF= 0.703 N̄= 142
All Depths
Site BUD005
Model_DO_mgL
Obs_DO_mgL
0.00
3.17
6.33
9.50
12.67
15.83
19.00

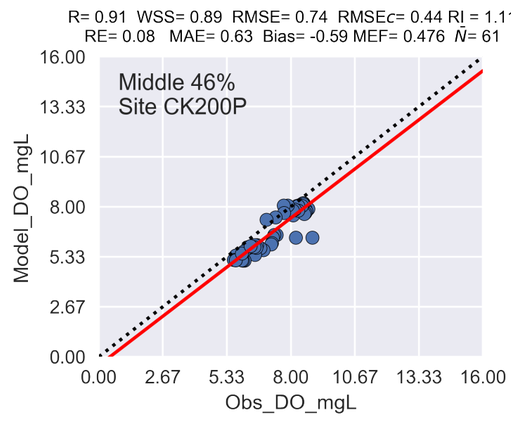

R= 0.71 WSS= 0.79 RMSE= 1.78 RMSEc= 1.73 RI = 1.21
RE= 0.13 MAE= 1.39 Bias= 0.44 MEF= 0.462 N̄= 36
Surface 25%
Site BUD005
Model_DO_mgL
Obs_DO_mgL
0.00
3.17
6.33
9.50
12.67
15.83
19.00

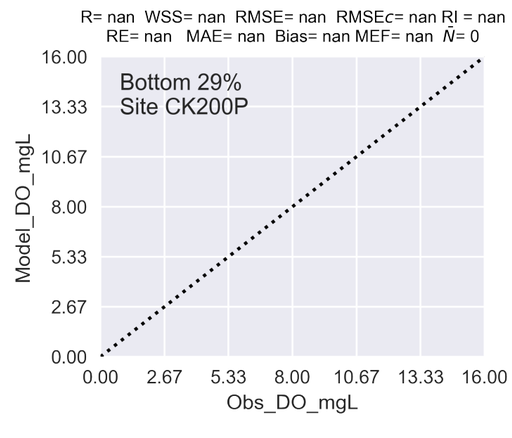

R= 0.89 WSS= 0.9 RMSE= 1.31 RMSEc= 1.3 RI = 1.15
RE= 0.11 MAE= 1.06 Bias= 0.13 MEF= 0.736 N̄= 74
Middle 46%
Site BUD005
Model_DO_mgL
Obs_DO_mgL
0.00
3.17
6.33
9.50
12.67
15.83
19.00


R= 0.95 WSS= 0.96 RMSE= 0.69 RMSEc= 0.66 RI = 1.08
RE= 0.06 MAE= 0.53 Bias= 0.21 MEF= 0.862 N̄= 32
Bottom 29%
Site BUD005
Model_DO_mgL
Obs_DO_mgL
0.00
3.17
6.33
9.50
12.67
15.83
19.00

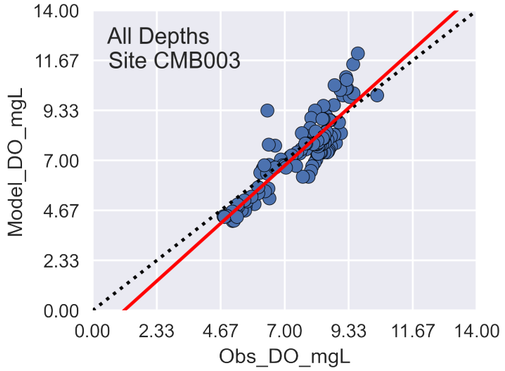

R= 0.69 WSS= 0.78 RMSE= 1.23 RMSEc= 1.22 RI = 1.16
RE= 0.11 MAE= 0.84 Bias= -0.15 MEF= -0.254 N̄= 97
All Depths
Site CK200P
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00


R= 0.41 WSS= 0.58 RMSE= 1.78 RMSEc= 1.67 RI = 1.21
RE= 0.15 MAE= 1.2 Bias= 0.61 MEF= -1.77 N̄= 36
Surface 25%
Site CK200P
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

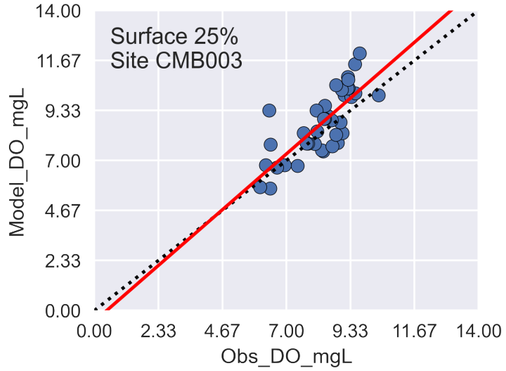

R= 0.91 WSS= 0.89 RMSE= 0.74 RMSEc= 0.44 RI = 1.11
RE= 0.08 MAE= 0.63 Bias= -0.59 MEF= 0.476 N̄= 61
Middle 46%
Site CK200P
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00


R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site CK200P
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

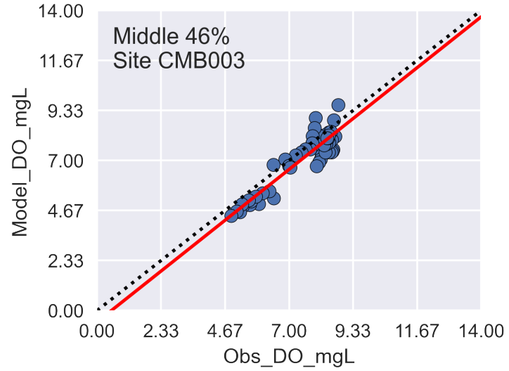
R= 0.88 WSS= 0.92 RMSE= 0.84 RMSE*c*= 0.82 RI = 1.12
RE= 0.09 MAE= 0.67 Bias= -0.15 MEF= 0.588 $\bar{N}$= 117



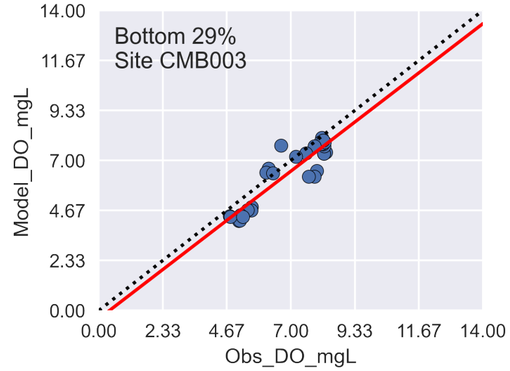
R= 0.78 WSS= 0.82 RMSE= 1.08 RMSE*c*= 0.98 RI = 1.13
RE= 0.1 MAE= 0.86 Bias= 0.46 MEF= -0.006 $\bar{N}$= 38



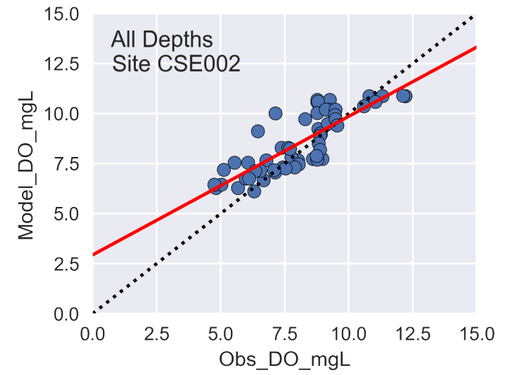
R= 0.92 WSS= 0.93 RMSE= 0.66 RMSE*c*= 0.52 RI = 1.1
RE= 0.07 MAE= 0.55 Bias= -0.41 MEF= 0.702 $\bar{N}$= 50



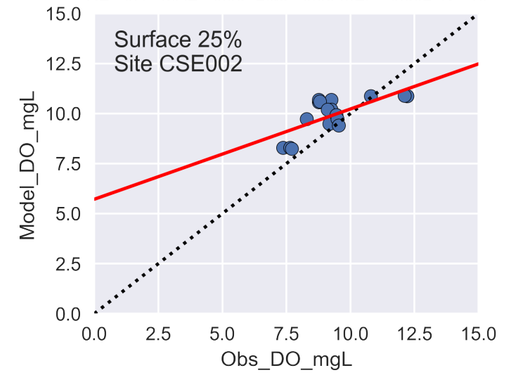
R= 0.91 WSS= 0.92 RMSE= 0.76 RMSE*c*= 0.57 RI = 1.13
RE= 0.09 MAE= 0.63 Bias= -0.5 MEF= 0.661 $\bar{N}$= 29



R= 0.83 WSS= 0.89 RMSE= 1.09 RMSE*c*= 1.01 RI = 1.15
RE= 0.1 MAE= 0.86 Bias= 0.42 MEF= 0.637 $\bar{N}$= 57



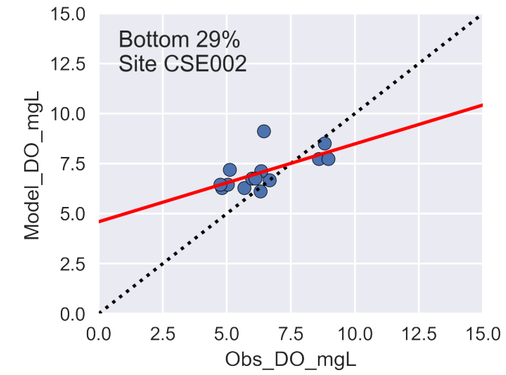
R= 0.73 WSS= 0.78 RMSE= 1.14 RMSE*c*= 1.01 RI = 1.12
RE= 0.1 MAE= 0.98 Bias= 0.53 MEF= 0.382 $\bar{N}$= 18



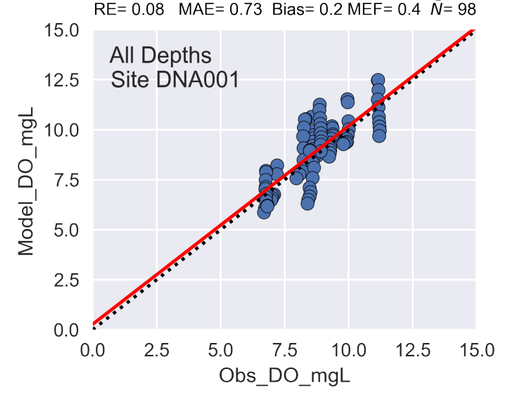
R= 0.77 WSS= 0.87 RMSE= 0.93 RMSE*c*= 0.91 RI = 1.13
RE= 0.08 MAE= 0.65 Bias= 0.2 MEF= 0.563 $\bar{N}$= 25



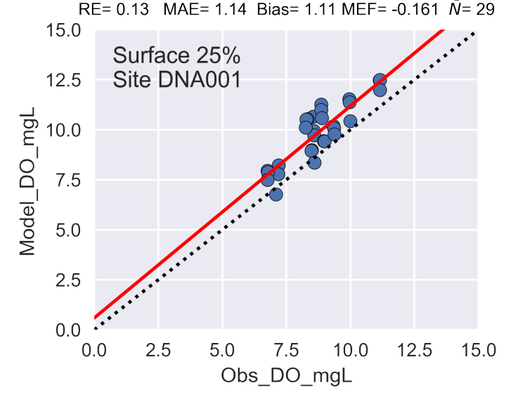
R= 0.62 WSS= 0.68 RMSE= 1.28 RMSE*c*= 1.08 RI = 1.22
RE= 0.17 MAE= 1.06 Bias= 0.68 MEF= 0.148 $\bar{N}$= 14



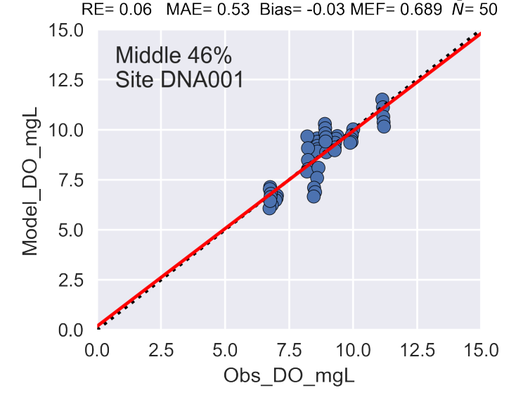
R= 0.79 WSS= 0.87 RMSE= 0.95 RMSE*c*= 0.93 RI = 1.11
RE= 0.08 MAE= 0.73 Bias= 0.2 MEF= 0.4 $\bar{N}$= 98



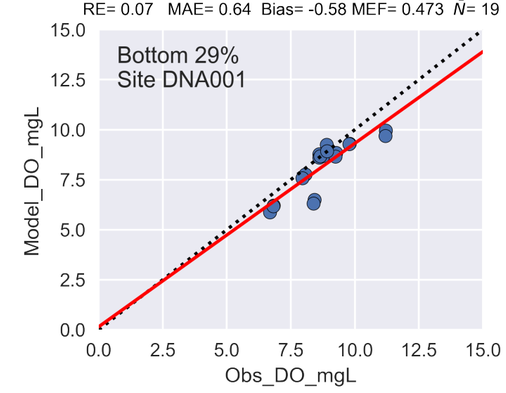
R= 0.88 WSS= 0.8 RMSE= 1.32 RMSE*c*= 0.72 RI = 1.15
RE= 0.13 MAE= 1.14 Bias= 1.11 MEF= -0.161 $\bar{N}$= 29

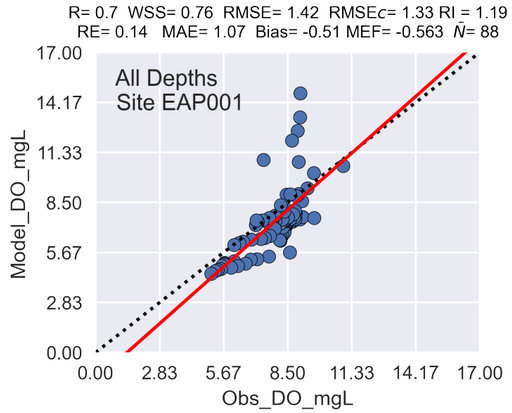


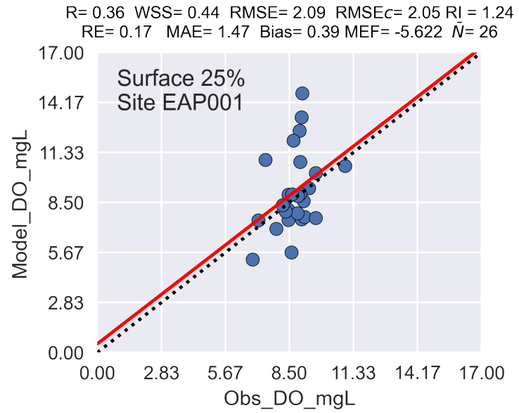
R= 0.87 WSS= 0.93 RMSE= 0.69 RMSE*c*= 0.69 RI = 1.09
RE= 0.06 MAE= 0.53 Bias= -0.03 MEF= 0.689 $\bar{N}$= 50

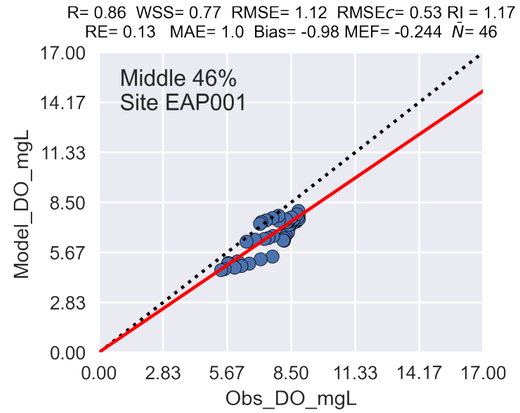


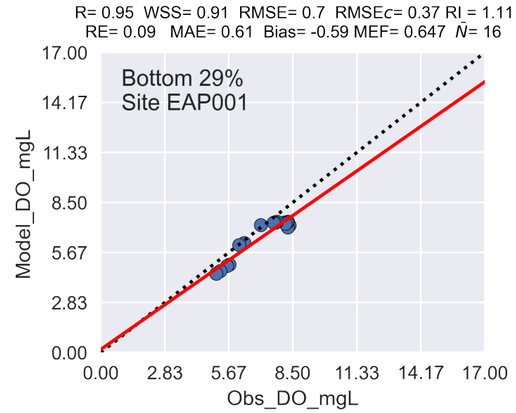
R= 0.86 WSS= 0.87 RMSE= 0.88 RMSE*c*= 0.66 RI = 1.12
RE= 0.07 MAE= 0.64 Bias= -0.58 MEF= 0.473 $\bar{N}$= 19

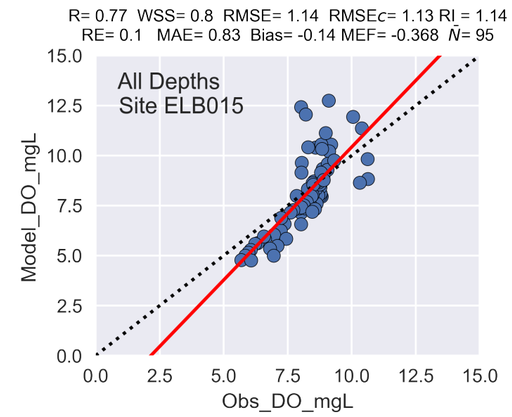


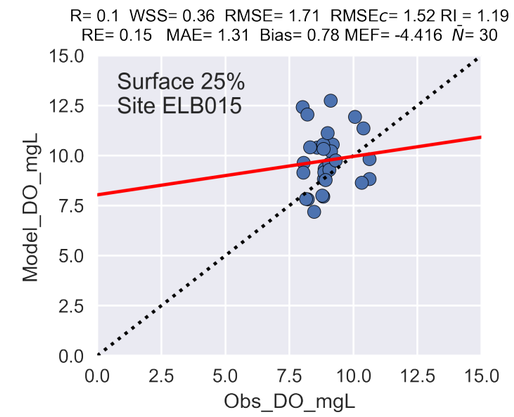

R= 0.7 WSS= 0.76 RMSE= 1.42 RMSEc= 1.33 RI = 1.19
RE= 0.14 MAE= 1.07 Bias= -0.51 MEF= -0.563 N̄= 88
All Depths
Site EAP001
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

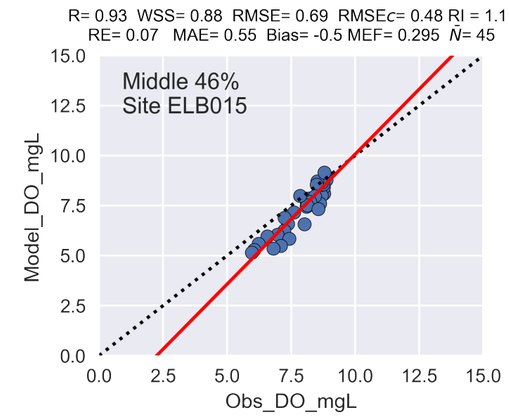

R= 0.36 WSS= 0.44 RMSE= 2.09 RMSEc= 2.05 RI = 1.24
RE= 0.17 MAE= 1.47 Bias= 0.39 MEF= -5.622 N̄= 26
Surface 25%
Site EAP001
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

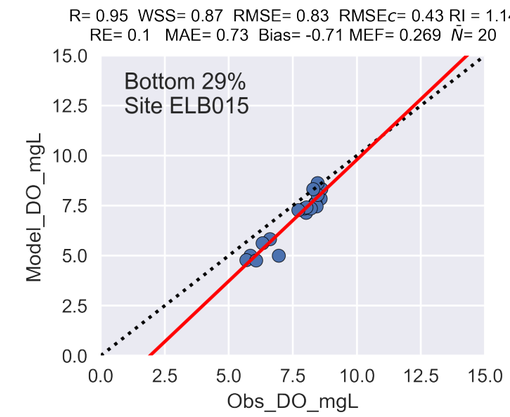

R= 0.86 WSS= 0.77 RMSE= 1.12 RMSEc= 0.53 RI = 1.17
RE= 0.13 MAE= 1.0 Bias= -0.98 MEF= -0.244 N̄= 46
Middle 46%
Site EAP001
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

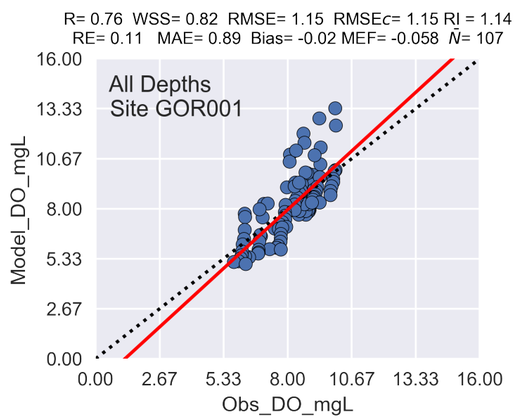

R= 0.95 WSS= 0.91 RMSE= 0.7 RMSEc= 0.37 RI = 1.11
RE= 0.09 MAE= 0.61 Bias= -0.59 MEF= 0.647 N̄= 16
Bottom 29%
Site EAP001
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

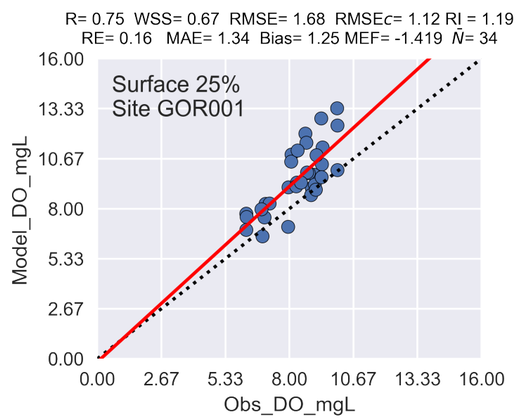

R= 0.77 WSS= 0.8 RMSE= 1.14 RMSEc= 1.13 RI = 1.14
RE= 0.1 MAE= 0.83 Bias= -0.14 MEF= -0.368 N̄= 95
All Depths
Site ELB015
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

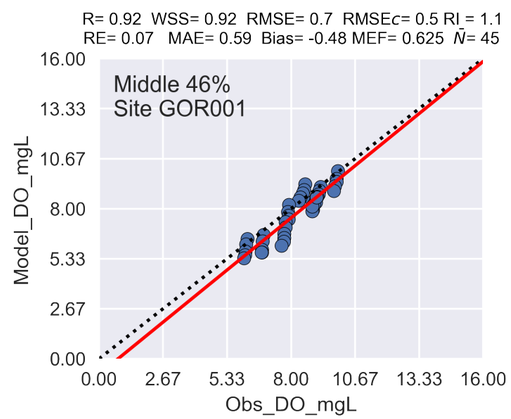

R= 0.1 WSS= 0.36 RMSE= 1.71 RMSEc= 1.52 RI = 1.19
RE= 0.15 MAE= 1.31 Bias= 0.78 MEF= -4.416 N̄= 30
Surface 25%
Site ELB015
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

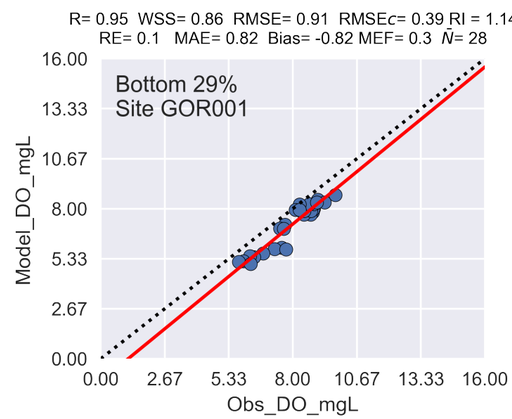

R= 0.93 WSS= 0.88 RMSE= 0.69 RMSEc= 0.48 RI = 1.11
RE= 0.07 MAE= 0.55 Bias= -0.5 MEF= 0.295 N̄= 45
Middle 46%
Site ELB015
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0


R= 0.95 WSS= 0.87 RMSE= 0.83 RMSEc= 0.43 RI = 1.14
RE= 0.1 MAE= 0.73 Bias= -0.71 MEF= 0.269 N̄= 20
Bottom 29%
Site ELB015
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

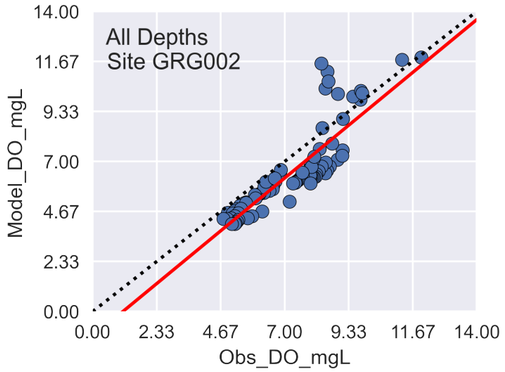

R= 0.76 WSS= 0.82 RMSE= 1.15 RMSEc= 1.15 RI = 1.14
RE= 0.11 MAE= 0.89 Bias= -0.02 MEF= -0.058 N̄= 107
All Depths
Site GOR001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00


R= 0.75 WSS= 0.67 RMSE= 1.68 RMSEc= 1.12 RI = 1.19
RE= 0.16 MAE= 1.34 Bias= 1.25 MEF= -1.419 N̄= 34
Surface 25%
Site GOR001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

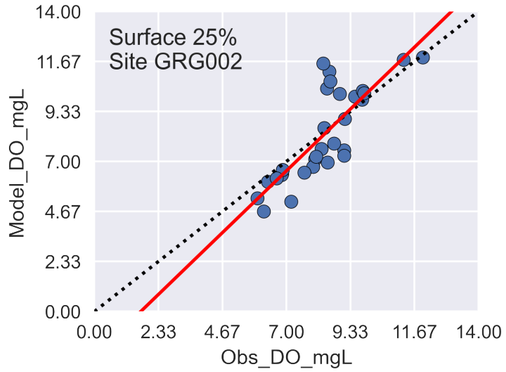

R= 0.92 WSS= 0.92 RMSE= 0.7 RMSEc= 0.5 RI = 1.1
RE= 0.07 MAE= 0.59 Bias= -0.48 MEF= 0.625 N̄= 45
Middle 46%
Site GOR001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00


R= 0.95 WSS= 0.86 RMSE= 0.91 RMSEc= 0.39 RI = 1.14
RE= 0.1 MAE= 0.82 Bias= -0.82 MEF= 0.3 N̄= 28
Bottom 29%
Site GOR001
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

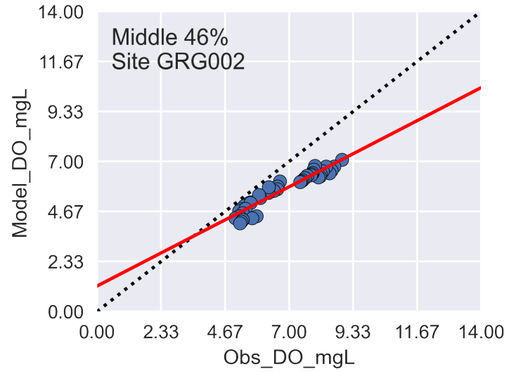
R= 0.87 WSS= 0.88 RMSE= 1.22 RMSE*c*= 0.95 RI = 1.19
RE= 0.15 MAE= 1.05 Bias= -0.76 MEF= 0.38 $\bar{N}$= 93



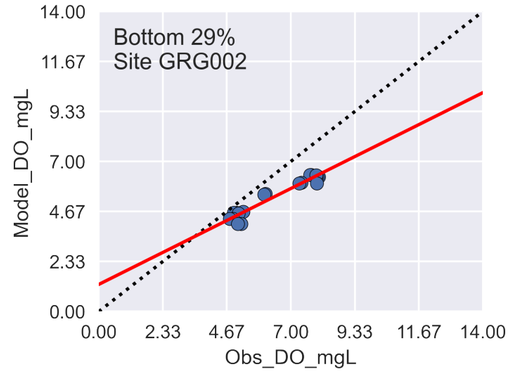
R= 0.81 WSS= 0.86 RMSE= 1.29 RMSE*c*= 1.28 RI = 1.17
RE= 0.12 MAE= 1.01 Bias= -0.12 MEF= 0.147 $\bar{N}$= 30



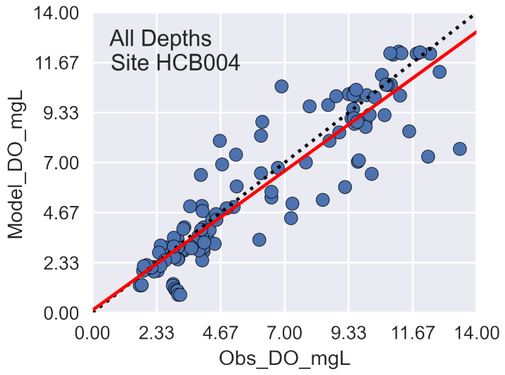
R= 0.95 WSS= 0.77 RMSE= 1.19 RMSE*c*= 0.5 RI = 1.2
RE= 0.16 MAE= 1.08 Bias= -1.08 MEF= 0.097 $\bar{N}$= 44



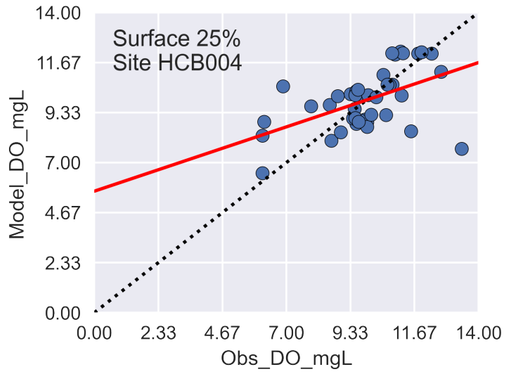
R= 0.97 WSS= 0.78 RMSE= 1.18 RMSE*c*= 0.52 RI = 1.2
RE= 0.16 MAE= 1.06 Bias= -1.06 MEF= 0.195 $\bar{N}$= 19



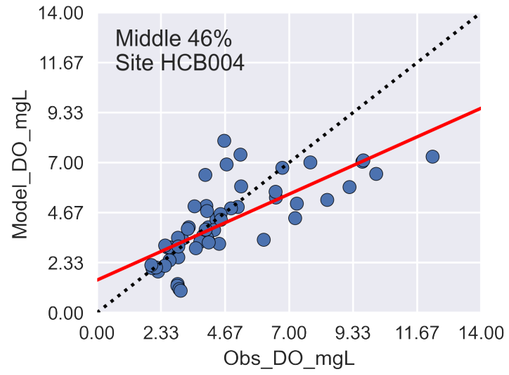
R= 0.92 WSS= 0.95 RMSE= 1.43 RMSE*c*= 1.39 RI = 1.39
RE= 0.16 MAE= 0.99 Bias= -0.32 MEF= 0.821 $\bar{N}$= 130



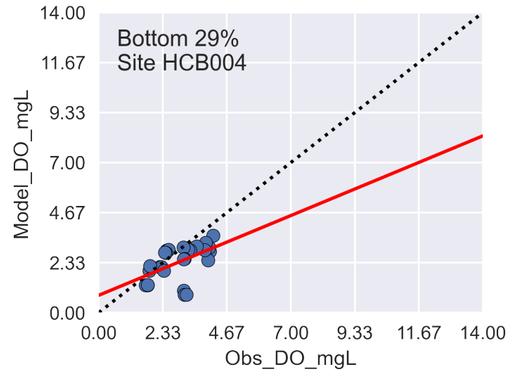
R= 0.5 WSS= 0.72 RMSE= 1.45 RMSE*c*= 1.45 RI = 1.17
RE= 0.1 MAE= 1.01 Bias= 0.01 MEF= 0.137 $\bar{N}$= 45



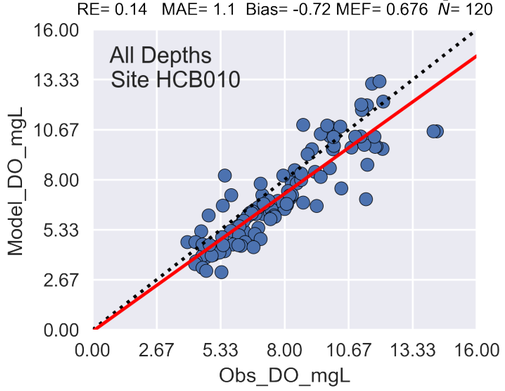
R= 0.74 WSS= 0.83 RMSE= 1.6 RMSE*c*= 1.53 RI = 1.42
RE= 0.24 MAE= 1.11 Bias= -0.46 MEF= 0.51 $\bar{N}$= 57



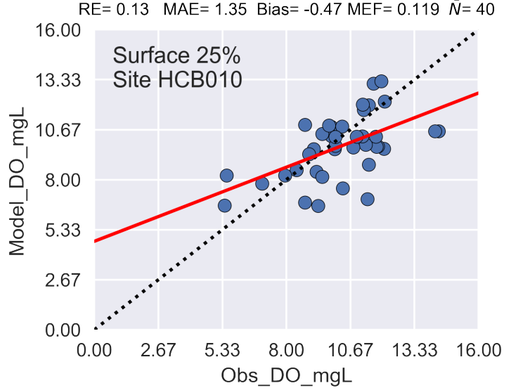
R= 0.54 WSS= 0.64 RMSE= 0.94 RMSE*c*= 0.75 RI = 1.59
RE= 0.24 MAE= 0.71 Bias= -0.57 MEF= -0.452 $\bar{N}$= 28



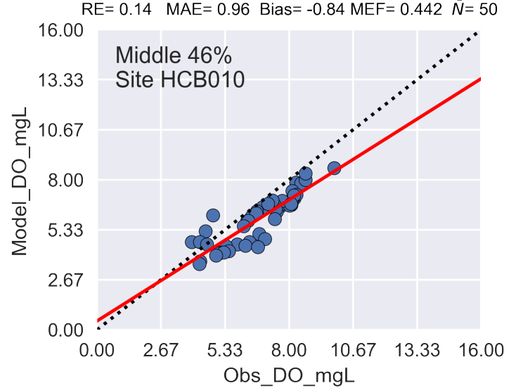
R= 0.89 WSS= 0.92 RMSE= 1.33 RMSE*c*= 1.12 RI = 1.21
RE= 0.14 MAE= 1.1 Bias= -0.72 MEF= 0.676 $\bar{N}$= 120



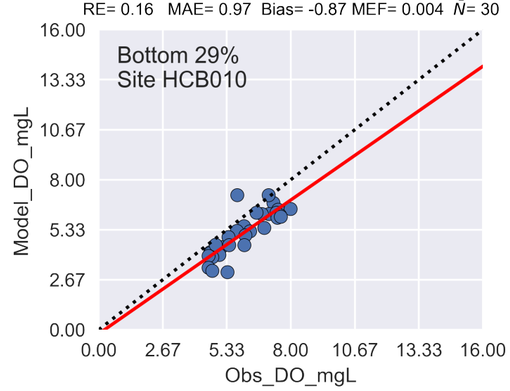
R= 0.55 WSS= 0.72 RMSE= 1.73 RMSE*c*= 1.66 RI = 1.2
RE= 0.13 MAE= 1.35 Bias= -0.47 MEF= 0.119 $\bar{N}$= 40

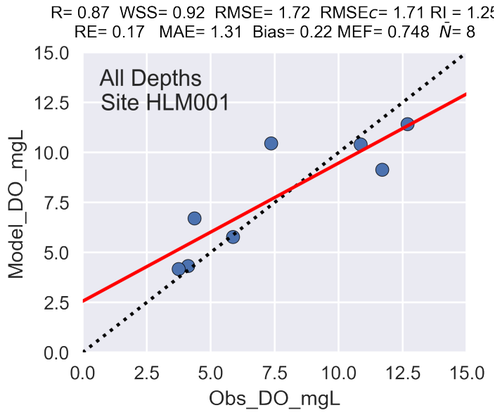


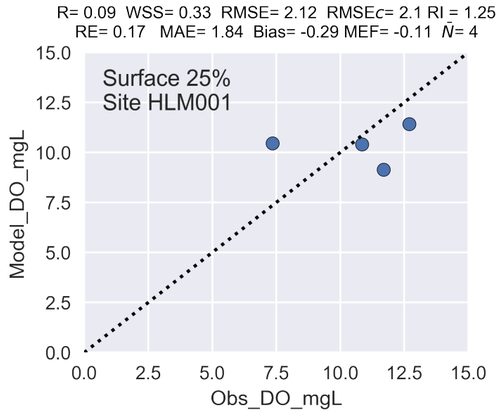
R= 0.88 WSS= 0.86 RMSE= 1.07 RMSE*c*= 0.67 RI = 1.2
RE= 0.14 MAE= 0.96 Bias= -0.84 MEF= 0.442 $\bar{N}$= 50

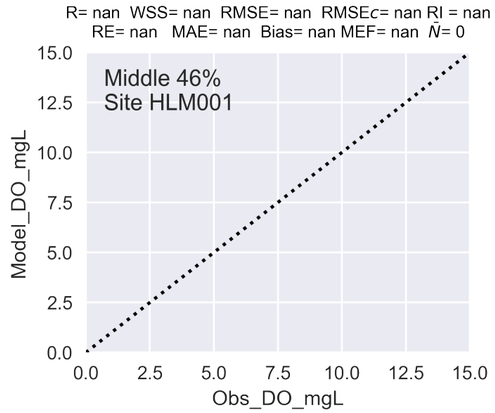


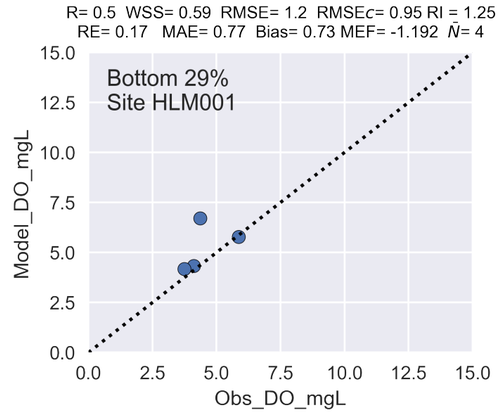
R= 0.83 WSS= 0.79 RMSE= 1.09 RMSE*c*= 0.66 RI = 1.24
RE= 0.16 MAE= 0.97 Bias= -0.87 MEF= 0.004 $\bar{N}$= 30

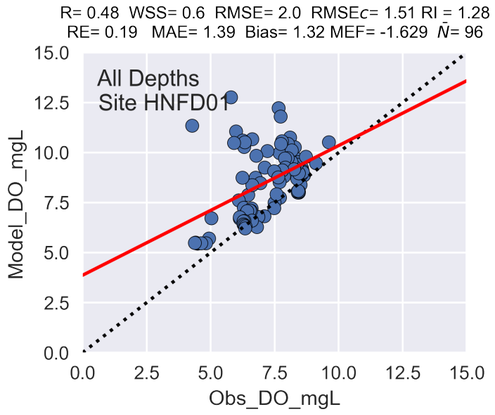


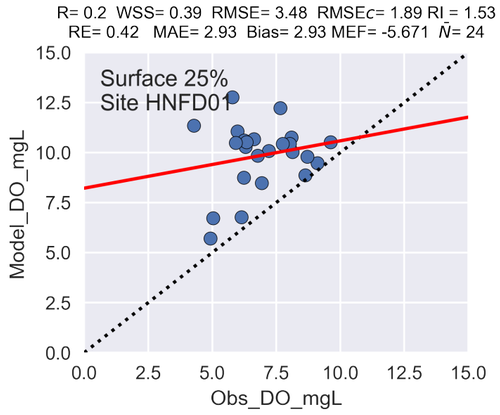

R= 0.87 WSS= 0.92 RMSE= 1.72 RMSEc= 1.71 RI = 1.25
RE= 0.17 MAE= 1.31 Bias= 0.22 MEF= 0.748 N̄= 8
All Depths
Site HLM001
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

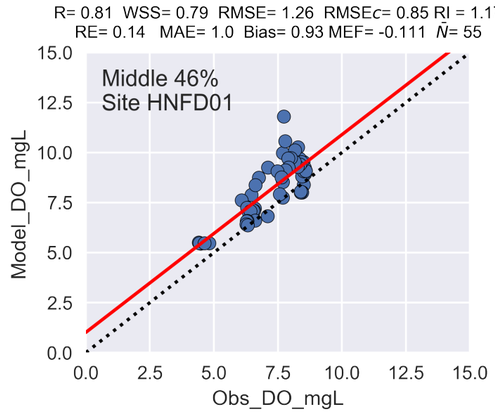

R= 0.09 WSS= 0.33 RMSE= 2.12 RMSEc= 2.1 RI = 1.25
RE= 0.17 MAE= 1.84 Bias= -0.29 MEF= -0.11 N̄= 4
Surface 25%
Site HLM001
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

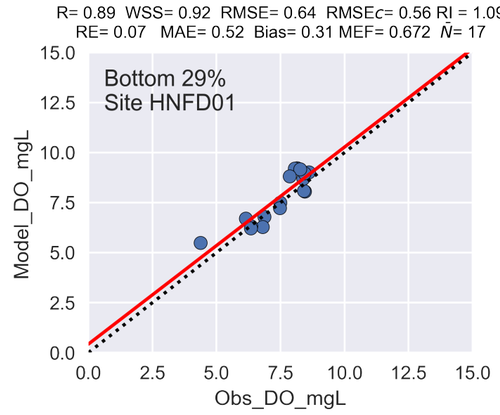

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Middle 46%
Site HLM001
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

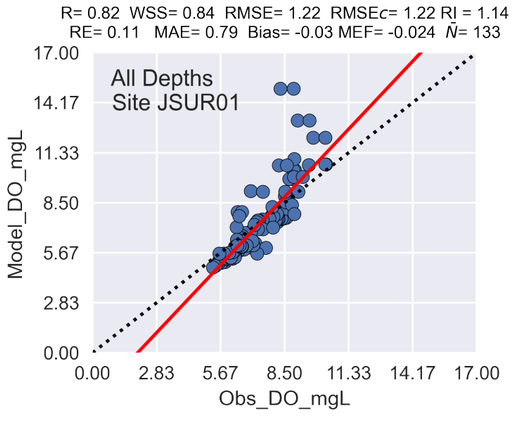

R= 0.5 WSS= 0.59 RMSE= 1.2 RMSEc= 0.95 RI = 1.25
RE= 0.17 MAE= 0.77 Bias= 0.73 MEF= -1.192 N̄= 4
Bottom 29%
Site HLM001
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

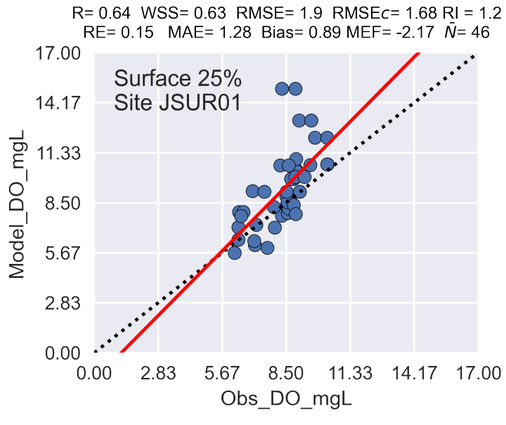

R= 0.48 WSS= 0.6 RMSE= 2.0 RMSEc= 1.51 RI = 1.28
RE= 0.19 MAE= 1.39 Bias= 1.32 MEF= -1.629 N̄= 96
All Depths
Site HNFD01
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

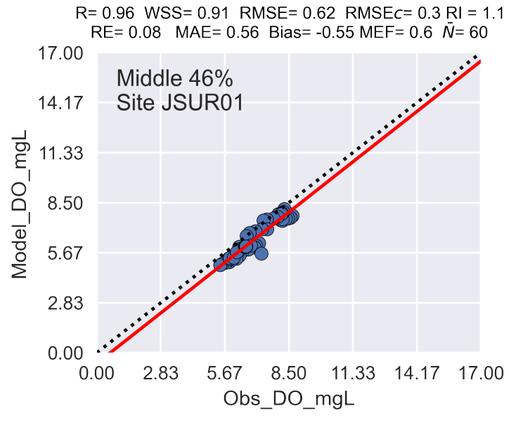

R= 0.2 WSS= 0.39 RMSE= 3.48 RMSEc= 1.89 RI = 1.53
RE= 0.42 MAE= 2.93 Bias= 2.93 MEF= -5.671 N̄= 24
Surface 25%
Site HNFD01
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

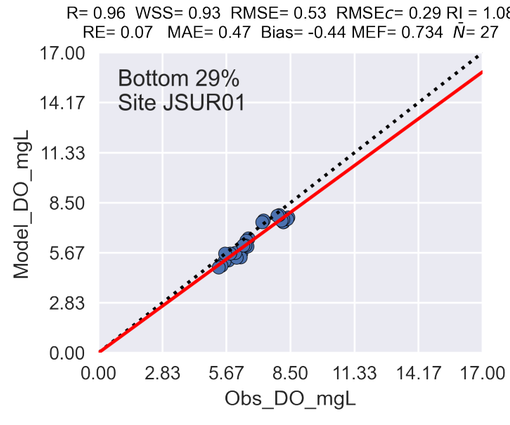

R= 0.81 WSS= 0.79 RMSE= 1.26 RMSEc= 0.85 RI = 1.17
RE= 0.14 MAE= 1.0 Bias= 0.93 MEF= -0.111 N̄= 55
Middle 46%
Site HNFD01
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

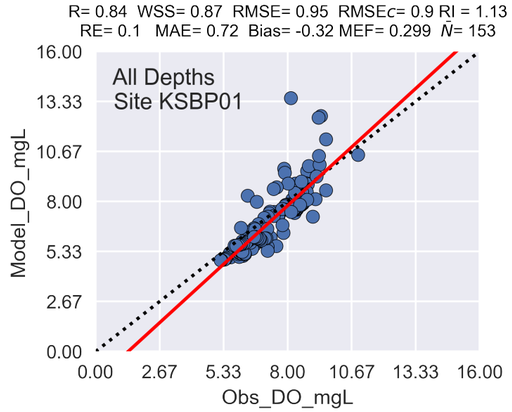

R= 0.89 WSS= 0.92 RMSE= 0.64 RMSEc= 0.56 RI = 1.09
RE= 0.07 MAE= 0.52 Bias= 0.31 MEF= 0.672 N̄= 17
Bottom 29%
Site HNFD01
Model_DO_mgL
Obs_DO_mgL
0.0 2.5 5.0 7.5 10.0 12.5 15.0

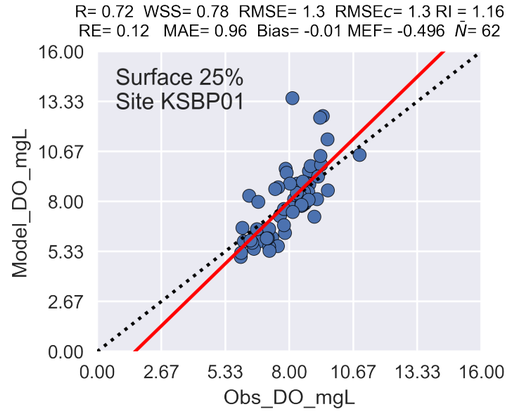

R= 0.82 WSS= 0.84 RMSE= 1.22 RMSEc= 1.22 RI = 1.14
RE= 0.11 MAE= 0.79 Bias= -0.03 MEF= -0.024 N̄= 133
All Depths
Site JSUR01
Model_DO_mgL
Obs_DO_mgL
0.00 2.83 5.67 8.50 11.33 14.17 17.00

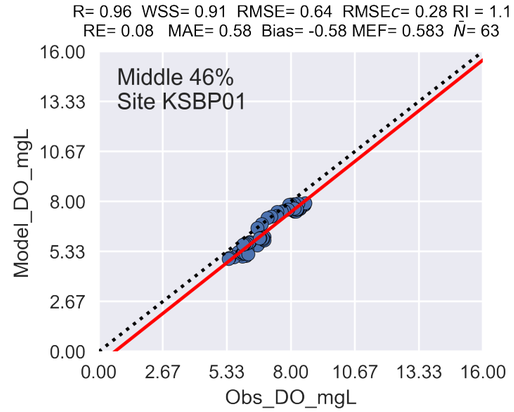

R= 0.64 WSS= 0.63 RMSE= 1.9 RMSEc= 1.68 RI = 1.2
RE= 0.15 MAE= 1.28 Bias= 0.89 MEF= -2.17 N̄= 46
Surface 25%
Site JSUR01
Model_DO_mgL
Obs_DO_mgL
0.00 2.83 5.67 8.50 11.33 14.17 17.00

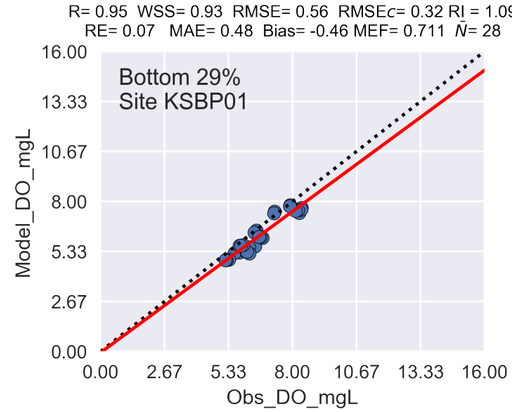

R= 0.96 WSS= 0.91 RMSE= 0.62 RMSEc= 0.3 RI = 1.1
RE= 0.08 MAE= 0.56 Bias= -0.55 MEF= 0.6 N̄= 60
Middle 46%
Site JSUR01
Model_DO_mgL
Obs_DO_mgL
0.00 2.83 5.67 8.50 11.33 14.17 17.00

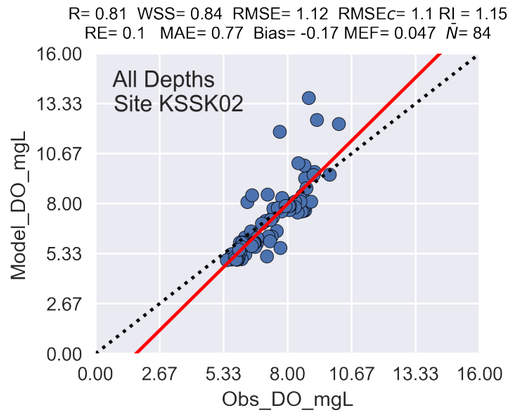

R= 0.96 WSS= 0.93 RMSE= 0.53 RMSEc= 0.29 RI = 1.08
RE= 0.07 MAE= 0.47 Bias= -0.44 MEF= 0.734 N̄= 27
Bottom 29%
Site JSUR01
Model_DO_mgL
Obs_DO_mgL
0.00 2.83 5.67 8.50 11.33 14.17 17.00

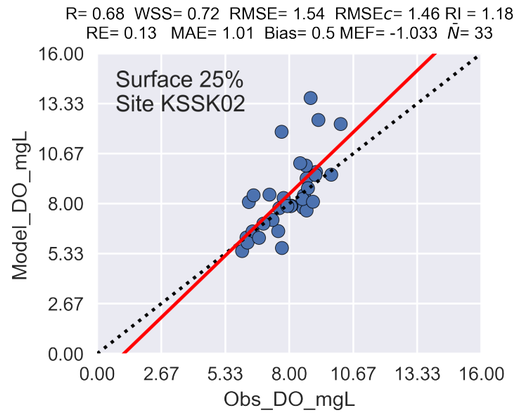

R= 0.84 WSS= 0.87 RMSE= 0.95 RMSEc= 0.9 RI = 1.13
RE= 0.1 MAE= 0.72 Bias= -0.32 MEF= 0.299 N̄= 153
All Depths
Site KSBP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

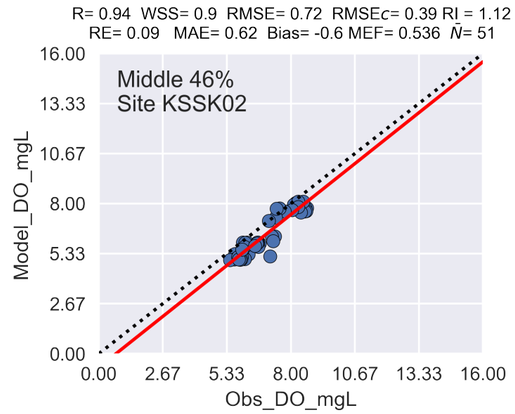

R= 0.72 WSS= 0.78 RMSE= 1.3 RMSEc= 1.3 RI = 1.16
RE= 0.12 MAE= 0.96 Bias= -0.01 MEF= -0.496 N̄= 62
Surface 25%
Site KSBP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

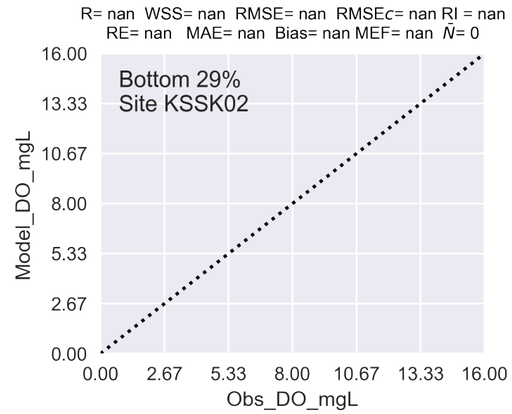

R= 0.96 WSS= 0.91 RMSE= 0.64 RMSEc= 0.28 RI = 1.1
RE= 0.08 MAE= 0.58 Bias= -0.58 MEF= 0.583 N̄= 63
Middle 46%
Site KSBP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

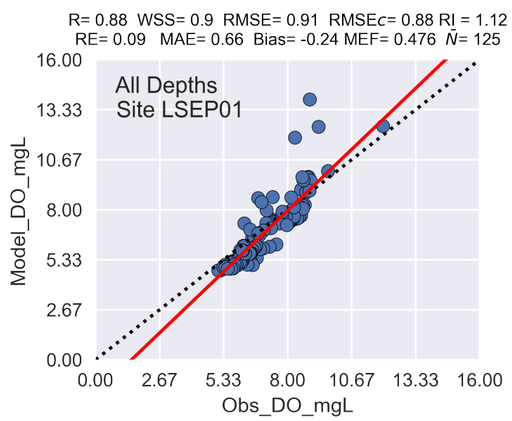

R= 0.95 WSS= 0.93 RMSE= 0.56 RMSEc= 0.32 RI = 1.09
RE= 0.07 MAE= 0.48 Bias= -0.46 MEF= 0.711 N̄= 28
Bottom 29%
Site KSBP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

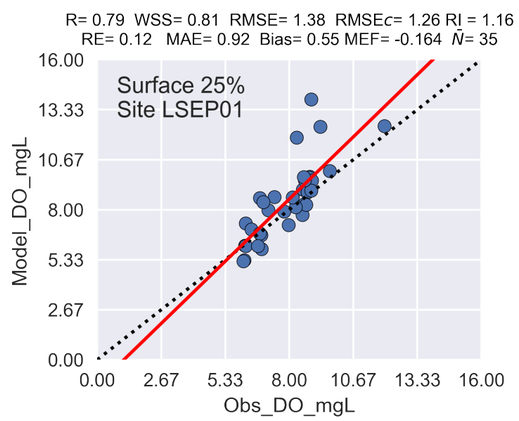

R= 0.81 WSS= 0.84 RMSE= 1.12 RMSEc= 1.1 RI = 1.15
RE= 0.1 MAE= 0.77 Bias= -0.17 MEF= 0.047 N̄= 84
All Depths
Site KSSK02
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

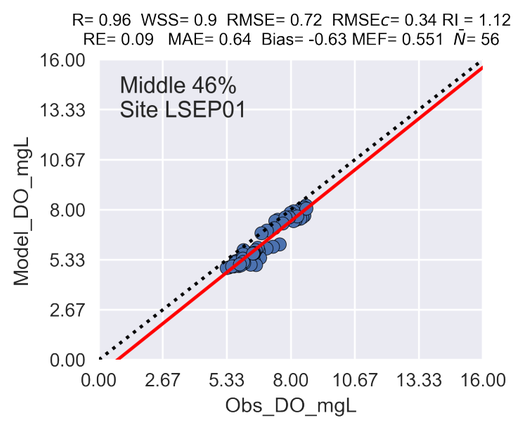

R= 0.68 WSS= 0.72 RMSE= 1.54 RMSEc= 1.46 RI = 1.18
RE= 0.13 MAE= 1.01 Bias= 0.5 MEF= -1.033 N̄= 33
Surface 25%
Site KSSK02
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

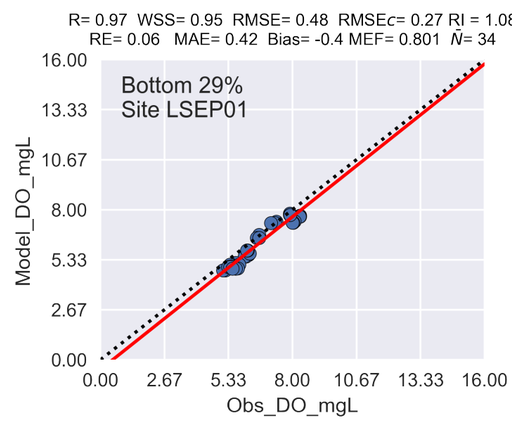

R= 0.94 WSS= 0.9 RMSE= 0.72 RMSEc= 0.39 RI = 1.12
RE= 0.09 MAE= 0.62 Bias= -0.6 MEF= 0.536 N̄= 51
Middle 46%
Site KSSK02
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

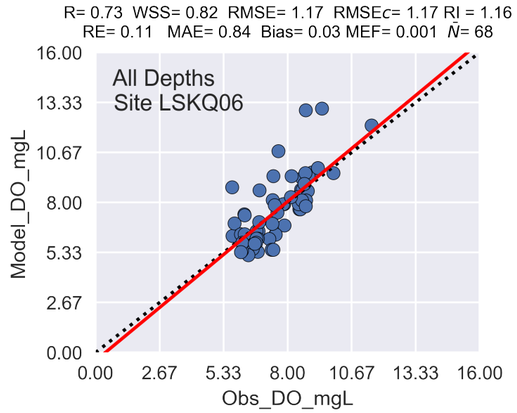

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site KSSK02
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

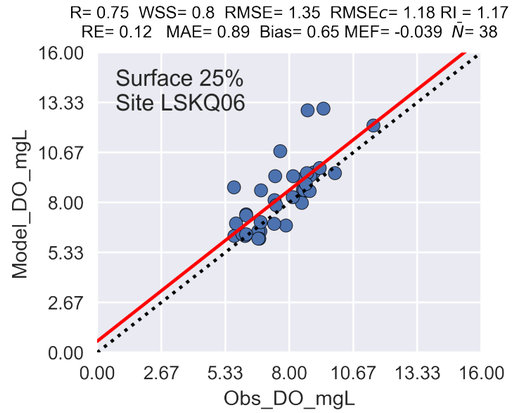

R= 0.88 WSS= 0.9 RMSE= 0.91 RMSEc= 0.88 RI = 1.12
RE= 0.09 MAE= 0.66 Bias= -0.24 MEF= 0.476 N̄= 125
All Depths
Site LSEP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

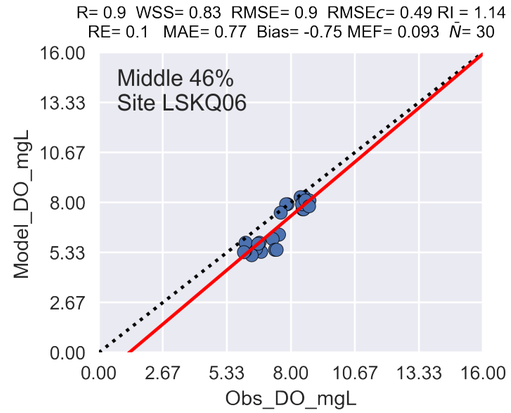

R= 0.79 WSS= 0.81 RMSE= 1.38 RMSEc= 1.26 RI = 1.16
RE= 0.12 MAE= 0.92 Bias= 0.55 MEF= -0.164 N̄= 35
Surface 25%
Site LSEP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

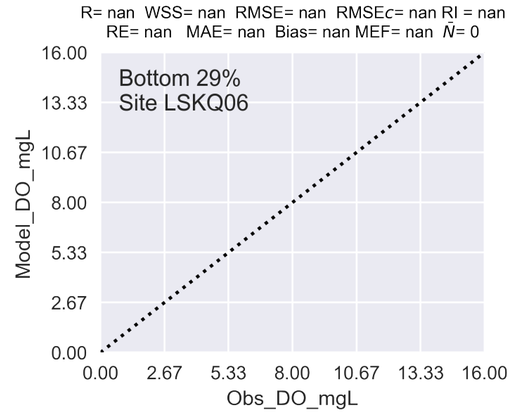

R= 0.96 WSS= 0.9 RMSE= 0.72 RMSEc= 0.34 RI = 1.12
RE= 0.09 MAE= 0.64 Bias= -0.63 MEF= 0.551 N̄= 56
Middle 46%
Site LSEP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

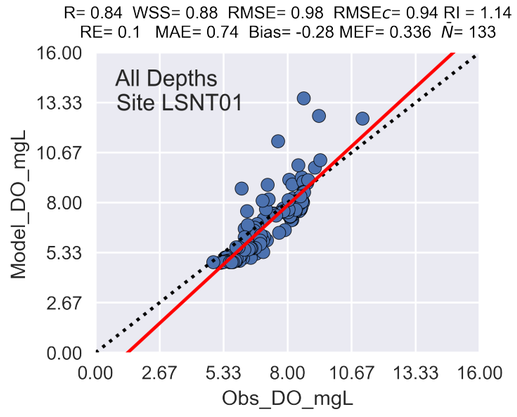

R= 0.97 WSS= 0.95 RMSE= 0.48 RMSEc= 0.27 RI = 1.08
RE= 0.06 MAE= 0.42 Bias= -0.4 MEF= 0.801 N̄= 34
Bottom 29%
Site LSEP01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

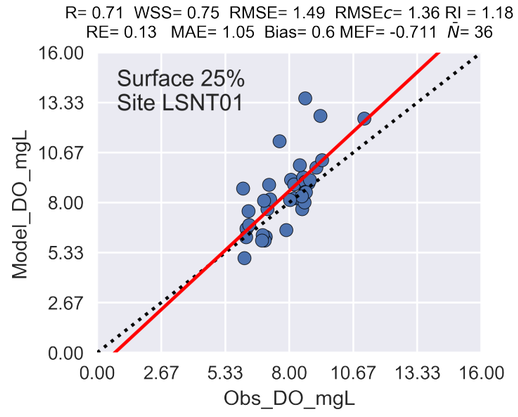

R= 0.73 WSS= 0.82 RMSE= 1.17 RMSEc= 1.17 RI = 1.16
RE= 0.11 MAE= 0.84 Bias= 0.03 MEF= 0.001 N̄= 68
All Depths
Site LSKQ06
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

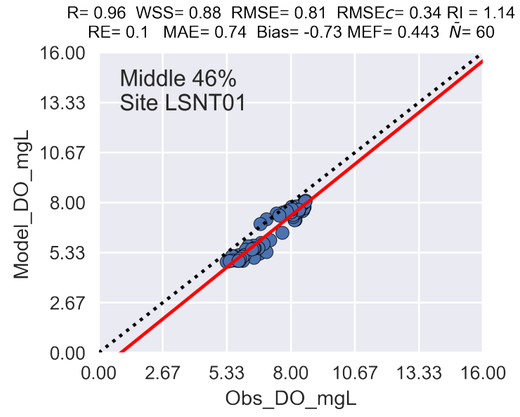

R= 0.75 WSS= 0.8 RMSE= 1.35 RMSEc= 1.18 RI = 1.17
RE= 0.12 MAE= 0.89 Bias= 0.65 MEF= -0.039 N̄= 38
Surface 25%
Site LSKQ06
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

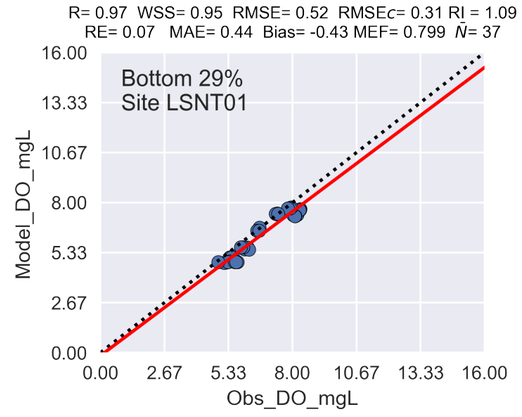

R= 0.9 WSS= 0.83 RMSE= 0.9 RMSEc= 0.49 RI = 1.14
RE= 0.1 MAE= 0.77 Bias= -0.75 MEF= 0.093 N̄= 30
Middle 46%
Site LSKQ06
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

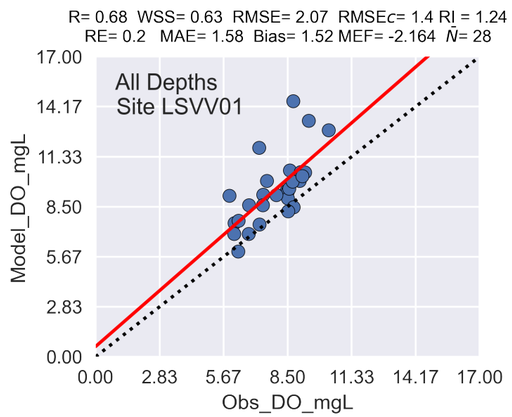

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site LSKQ06
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

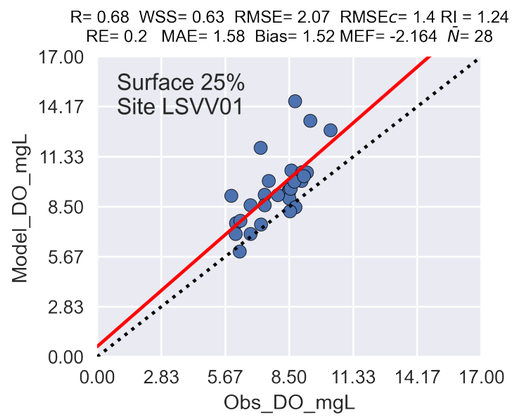

R= 0.84 WSS= 0.88 RMSE= 0.98 RMSEc= 0.94 RI = 1.14
RE= 0.1 MAE= 0.74 Bias= -0.28 MEF= 0.336 N̄= 133
All Depths
Site LSNT01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

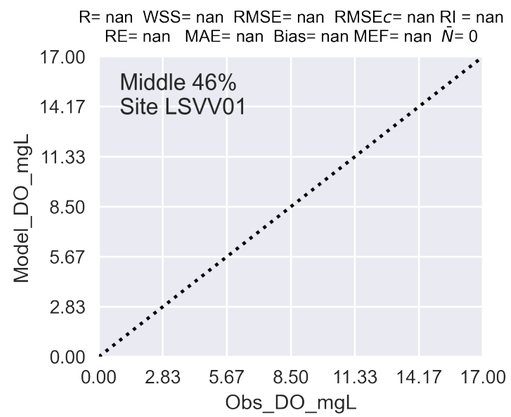

R= 0.71 WSS= 0.75 RMSE= 1.49 RMSEc= 1.36 RI = 1.18
RE= 0.13 MAE= 1.05 Bias= 0.6 MEF= -0.711 N̄= 36
Surface 25%
Site LSNT01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

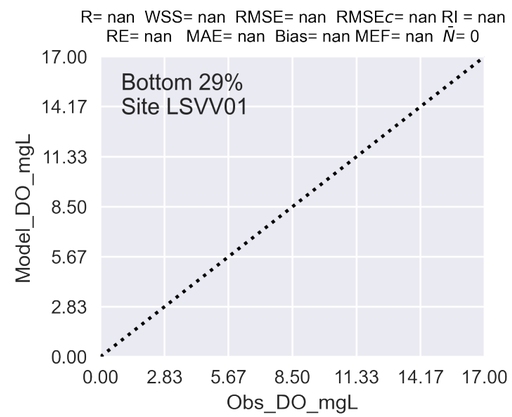

R= 0.96 WSS= 0.88 RMSE= 0.81 RMSEc= 0.34 RI = 1.14
RE= 0.1 MAE= 0.74 Bias= -0.73 MEF= 0.443 N̄= 60
Middle 46%
Site LSNT01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00


R= 0.97 WSS= 0.95 RMSE= 0.52 RMSEc= 0.31 RI = 1.09
RE= 0.07 MAE= 0.44 Bias= -0.43 MEF= 0.799 N̄= 37
Bottom 29%
Site LSNT01
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

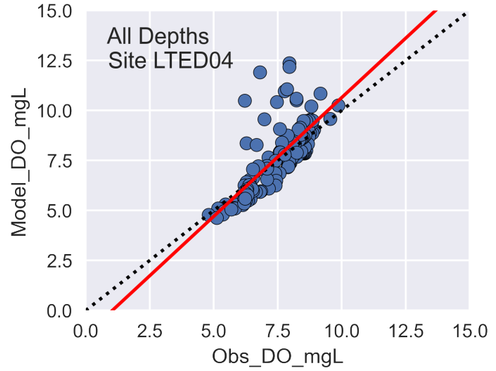

R= 0.68 WSS= 0.63 RMSE= 2.07 RMSEc= 1.4 RI = 1.24
RE= 0.2 MAE= 1.58 Bias= 1.52 MEF= -2.164 N̄= 28
All Depths
Site LSVV01
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00


R= 0.68 WSS= 0.63 RMSE= 2.07 RMSEc= 1.4 RI = 1.24
RE= 0.2 MAE= 1.58 Bias= 1.52 MEF= -2.164 N̄= 28
Surface 25%
Site LSVV01
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

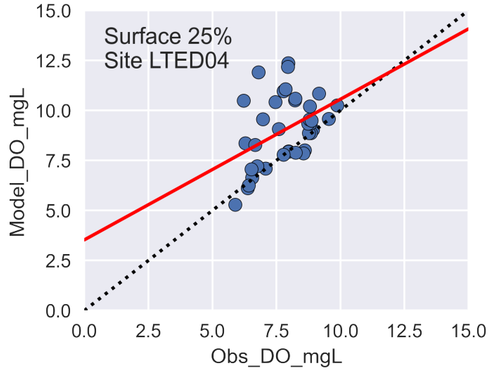

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Middle 46%
Site LSVV01
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00


R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site LSVV01
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

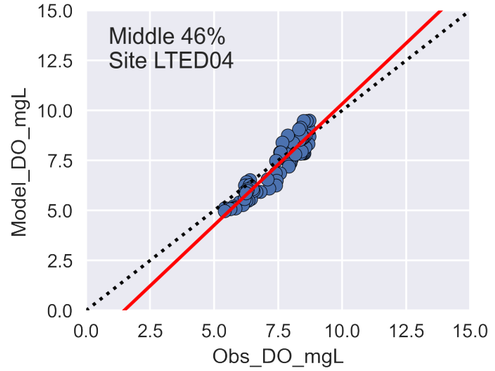
R= 0.77 WSS= 0.83 RMSE= 1.14 RMSE*c*= 1.13 RI = 1.14
RE= 0.1 MAE= 0.72 Bias= 0.15 MEF= -0.033 $\bar{N}$= 134



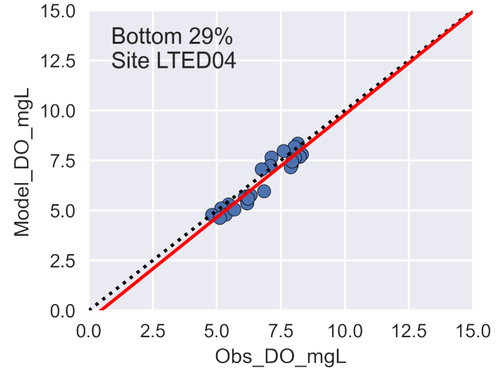
R= 0.42 WSS= 0.53 RMSE= 1.99 RMSE*c*= 1.58 RI = 1.25
RE= 0.17 MAE= 1.35 Bias= 1.2 MEF= -2.686 $\bar{N}$= 37



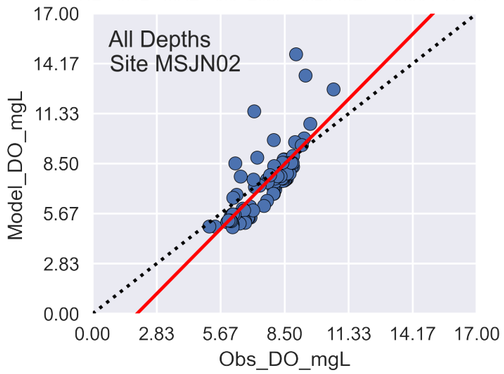
R= 0.94 WSS= 0.94 RMSE= 0.57 RMSE*c*= 0.51 RI = 1.09
RE= 0.07 MAE= 0.5 Bias= -0.24 MEF= 0.71 $\bar{N}$= 73



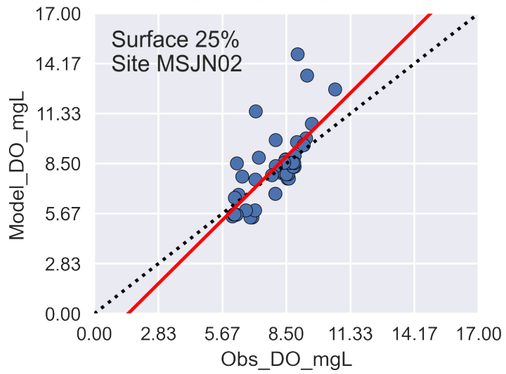
R= 0.95 WSS= 0.96 RMSE= 0.49 RMSE*c*= 0.39 RI = 1.08
RE= 0.06 MAE= 0.44 Bias= -0.3 MEF= 0.819 $\bar{N}$= 24



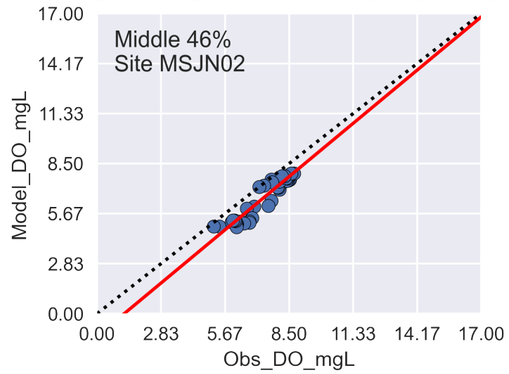
R= 0.77 WSS= 0.81 RMSE= 1.25 RMSE*c*= 1.22 RI = 1.16
RE= 0.12 MAE= 0.9 Bias= -0.25 MEF= -0.304 $\bar{N}$= 87



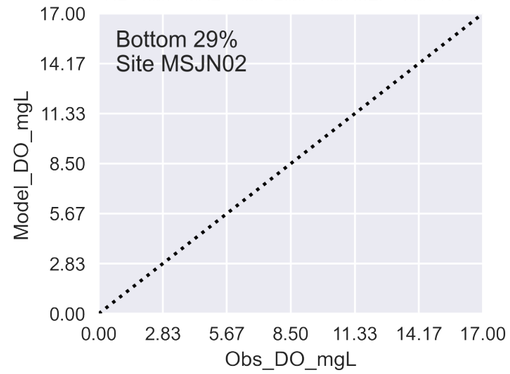
R= 0.69 WSS= 0.74 RMSE= 1.51 RMSE*c*= 1.49 RI = 1.18
RE= 0.12 MAE= 0.99 Bias= 0.26 MEF= -0.879 $\bar{N}$= 45



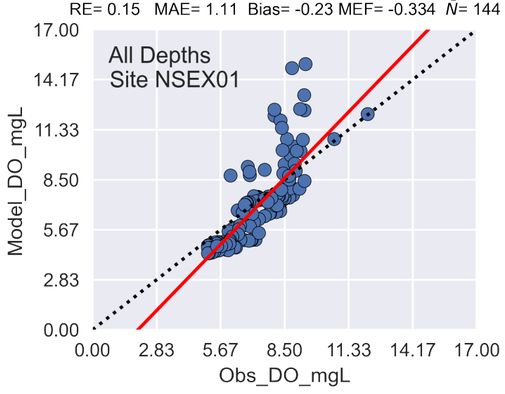
R= 0.94 WSS= 0.85 RMSE= 0.89 RMSE*c*= 0.39 RI = 1.15
RE= 0.11 MAE= 0.81 Bias= -0.81 MEF= 0.207 $\bar{N}$= 42



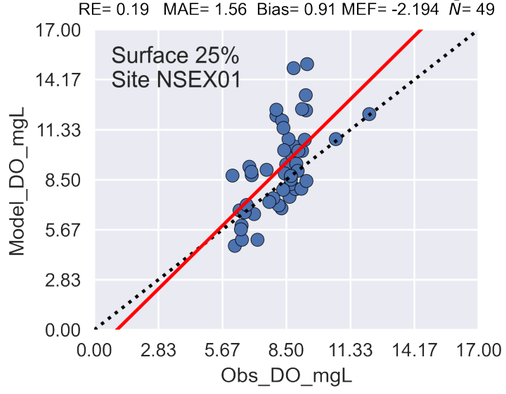
R= nan WSS= nan RMSE= nan RMSE*c*= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan $\bar{N}$= 0



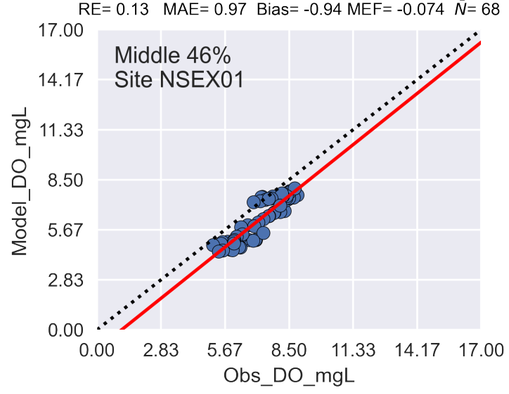
R= 0.77 WSS= 0.8 RMSE= 1.47 RMSE*c*= 1.45 RI = 1.2
RE= 0.15 MAE= 1.11 Bias= -0.23 MEF= -0.334 $\bar{N}$= 144



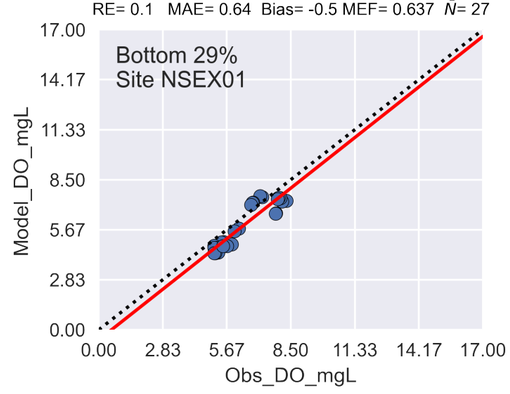
R= 0.62 WSS= 0.63 RMSE= 2.12 RMSE*c*= 1.92 RI = 1.24
RE= 0.19 MAE= 1.56 Bias= 0.91 MEF= -2.194 $\bar{N}$= 49

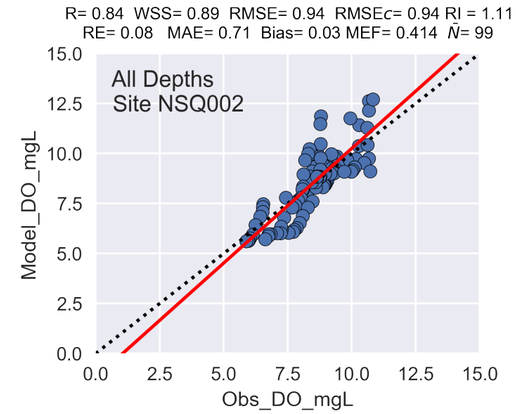


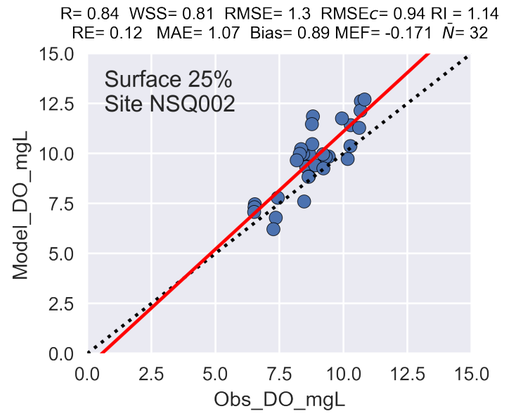
R= 0.9 WSS= 0.8 RMSE= 1.07 RMSE*c*= 0.51 RI = 1.18
RE= 0.13 MAE= 0.97 Bias= -0.94 MEF= -0.074 $\bar{N}$= 68

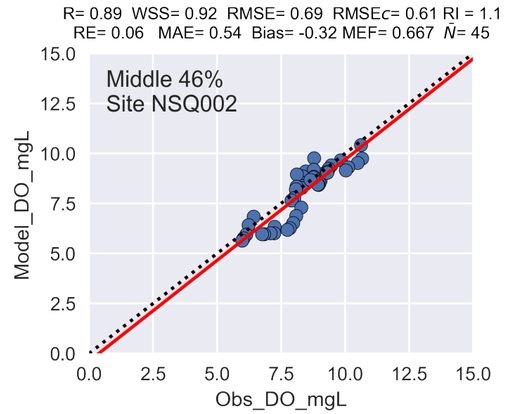


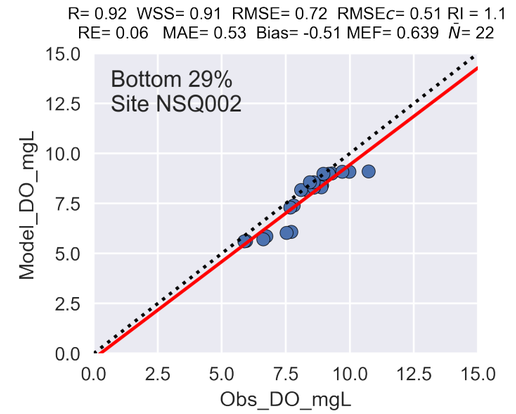
R= 0.92 WSS= 0.92 RMSE= 0.69 RMSE*c*= 0.48 RI = 1.12
RE= 0.1 MAE= 0.64 Bias= -0.5 MEF= 0.637 $\bar{N}$= 27

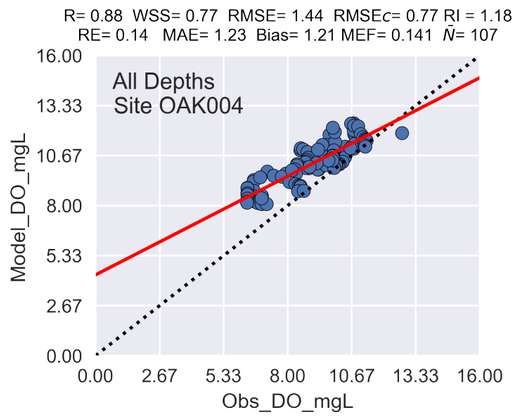


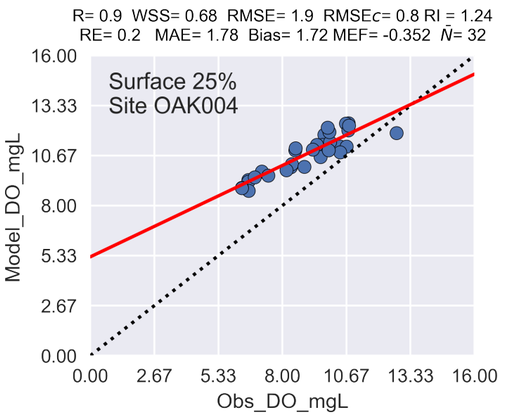

R= 0.84 WSS= 0.89 RMSE= 0.94 RMSEc= 0.94 RI = 1.11
RE= 0.08 MAE= 0.71 Bias= 0.03 MEF= 0.414 N̄= 99
All Depths
Site NSQ002
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

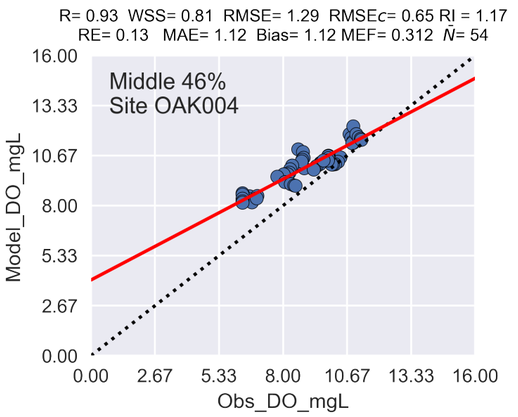

R= 0.84 WSS= 0.81 RMSE= 1.3 RMSEc= 0.94 RI = 1.14
RE= 0.12 MAE= 1.07 Bias= 0.89 MEF= -0.171 N̄= 32
Surface 25%
Site NSQ002
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

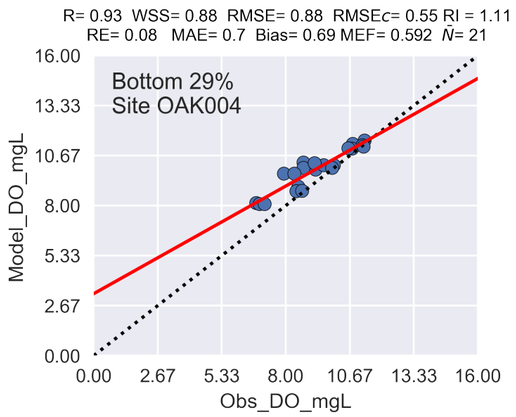

R= 0.89 WSS= 0.92 RMSE= 0.69 RMSEc= 0.61 RI = 1.1
RE= 0.06 MAE= 0.54 Bias= -0.32 MEF= 0.667 N̄= 45
Middle 46%
Site NSQ002
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

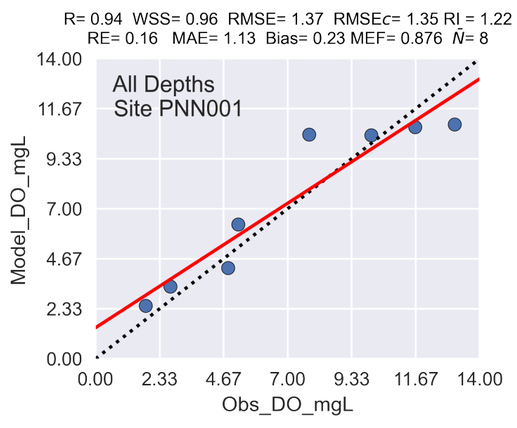

R= 0.92 WSS= 0.91 RMSE= 0.72 RMSEc= 0.51 RI = 1.1
RE= 0.06 MAE= 0.53 Bias= -0.51 MEF= 0.639 N̄= 22
Bottom 29%
Site NSQ002
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

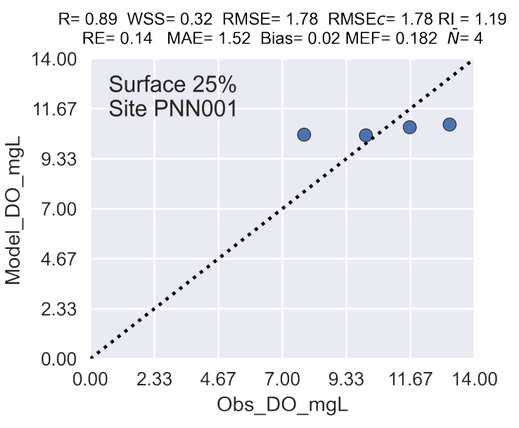

R= 0.88 WSS= 0.77 RMSE= 1.44 RMSEc= 0.77 RI = 1.18
RE= 0.14 MAE= 1.23 Bias= 1.21 MEF= 0.141 N̄= 107
All Depths
Site OAK004
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

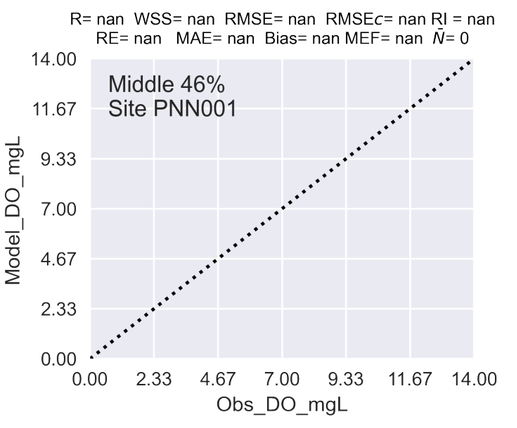

R= 0.9 WSS= 0.68 RMSE= 1.9 RMSEc= 0.8 RI = 1.24
RE= 0.2 MAE= 1.78 Bias= 1.72 MEF= -0.352 N̄= 32
Surface 25%
Site OAK004
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

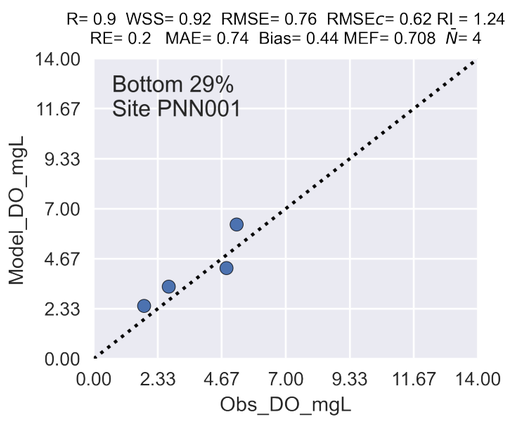

R= 0.93 WSS= 0.81 RMSE= 1.29 RMSEc= 0.65 RI = 1.17
RE= 0.13 MAE= 1.12 Bias= 1.12 MEF= 0.312 N̄= 54
Middle 46%
Site OAK004
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

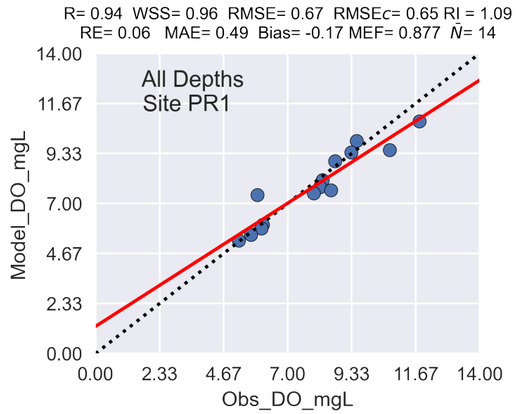

R= 0.93 WSS= 0.88 RMSE= 0.88 RMSEc= 0.55 RI = 1.11
RE= 0.08 MAE= 0.7 Bias= 0.69 MEF= 0.592 N̄= 21
Bottom 29%
Site OAK004
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

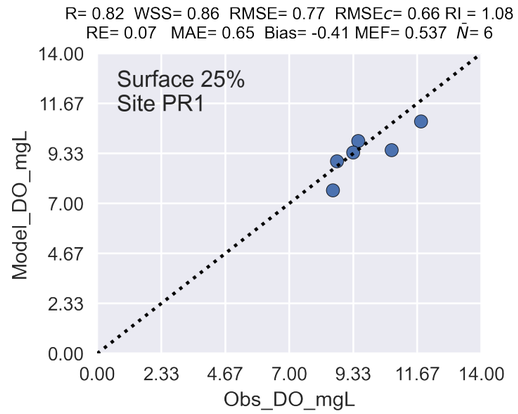

R= 0.94 WSS= 0.96 RMSE= 1.37 RMSEc= 1.35 RI = 1.22
RE= 0.16 MAE= 1.13 Bias= 0.23 MEF= 0.876 N̄= 8
All Depths
Site PNN001
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

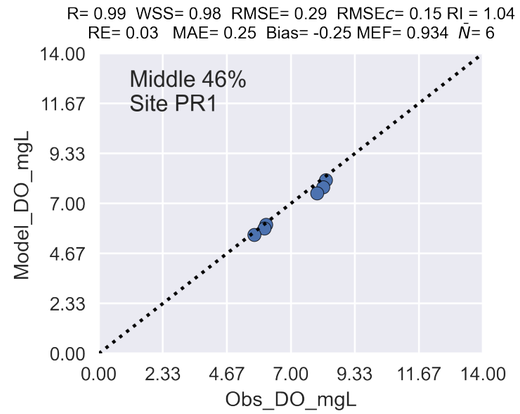

R= 0.89 WSS= 0.32 RMSE= 1.78 RMSEc= 1.78 RI = 1.19
RE= 0.14 MAE= 1.52 Bias= 0.02 MEF= 0.182 N̄= 4
Surface 25%
Site PNN001
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

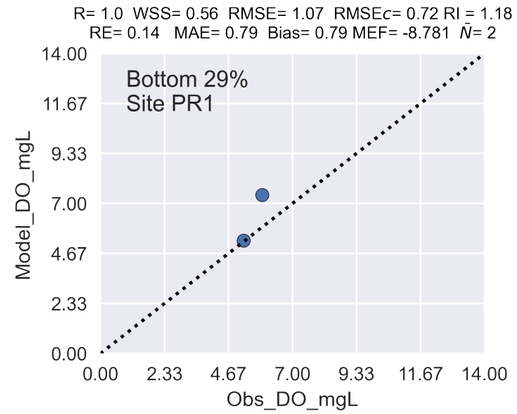

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Middle 46%
Site PNN001
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

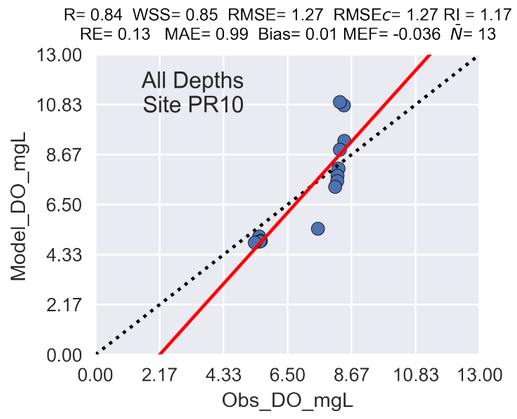

R= 0.9 WSS= 0.92 RMSE= 0.76 RMSEc= 0.62 RI = 1.24
RE= 0.2 MAE= 0.74 Bias= 0.44 MEF= 0.708 N̄= 4
Bottom 29%
Site PNN001
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

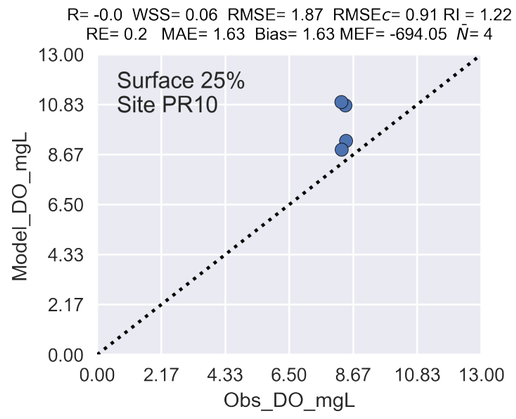

R= 0.94 WSS= 0.96 RMSE= 0.67 RMSEc= 0.65 RI = 1.09
RE= 0.06 MAE= 0.49 Bias= -0.17 MEF= 0.877 N̄= 14
All Depths
Site PR1
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

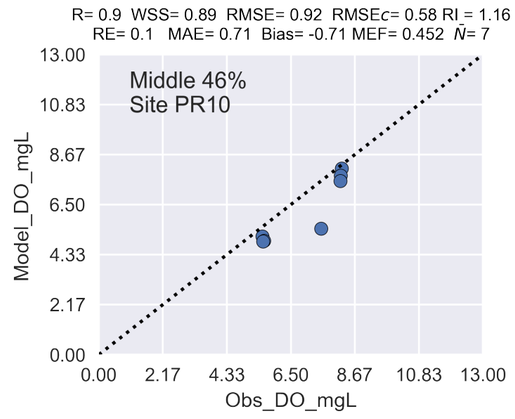

R= 0.82 WSS= 0.86 RMSE= 0.77 RMSEc= 0.66 RI = 1.08
RE= 0.07 MAE= 0.65 Bias= -0.41 MEF= 0.537 N̄= 6
Surface 25%
Site PR1
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

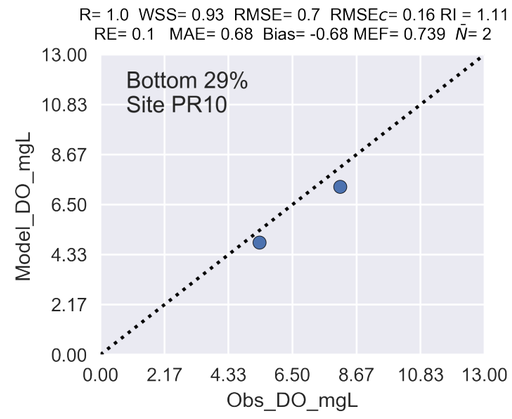

R= 0.99 WSS= 0.98 RMSE= 0.29 RMSEc= 0.15 RI = 1.04
RE= 0.03 MAE= 0.25 Bias= -0.25 MEF= 0.934 N̄= 6
Middle 46%
Site PR1
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

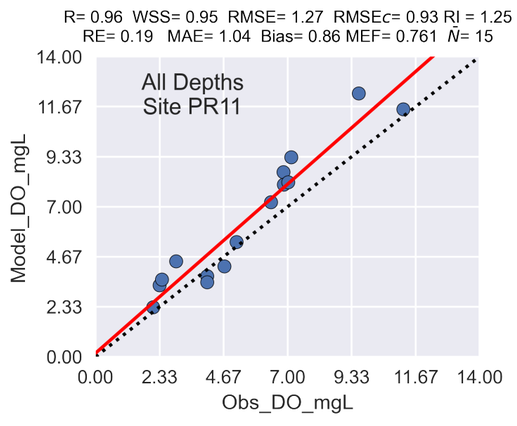

R= 1.0 WSS= 0.56 RMSE= 1.07 RMSEc= 0.72 RI = 1.18
RE= 0.14 MAE= 0.79 Bias= 0.79 MEF= -8.781 N̄= 2
Bottom 29%
Site PR1
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

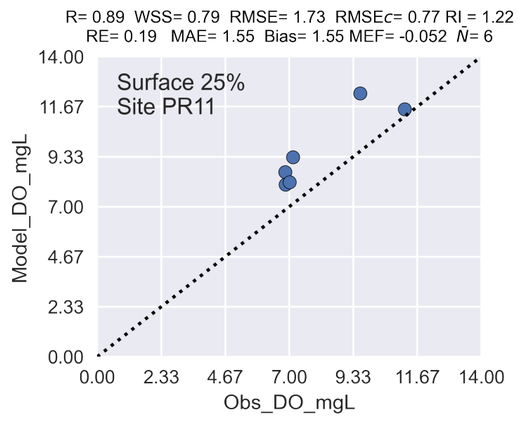

R= 0.84 WSS= 0.85 RMSE= 1.27 RMSEc= 1.27 RI = 1.17
RE= 0.13 MAE= 0.99 Bias= 0.01 MEF= -0.036 N̄= 13
All Depths
Site PR10
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

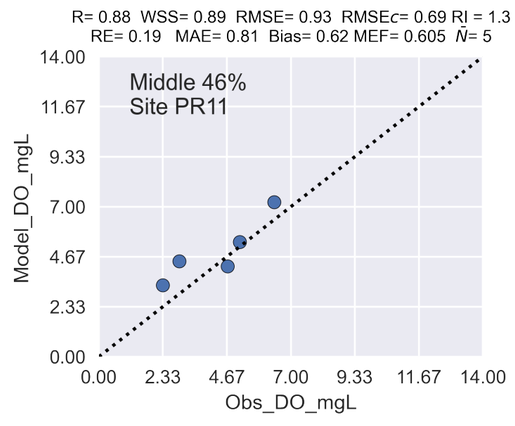

R= -0.0 WSS= 0.06 RMSE= 1.87 RMSEc= 0.91 RI = 1.22
RE= 0.2 MAE= 1.63 Bias= 1.63 MEF= -694.05 N̄= 4
Surface 25%
Site PR10
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

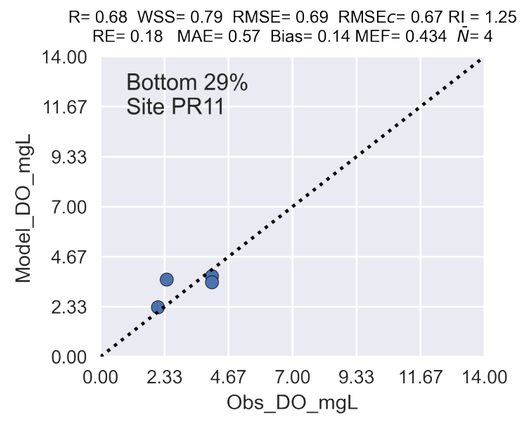

R= 0.9 WSS= 0.89 RMSE= 0.92 RMSEc= 0.58 RI = 1.16
RE= 0.1 MAE= 0.71 Bias= -0.71 MEF= 0.452 N̄= 7
Middle 46%
Site PR10
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

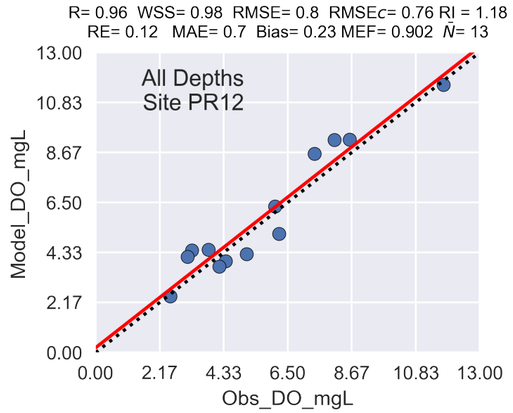

R= 1.0 WSS= 0.93 RMSE= 0.7 RMSEc= 0.16 RI = 1.11
RE= 0.1 MAE= 0.68 Bias= -0.68 MEF= 0.739 N̄= 2
Bottom 29%
Site PR10
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

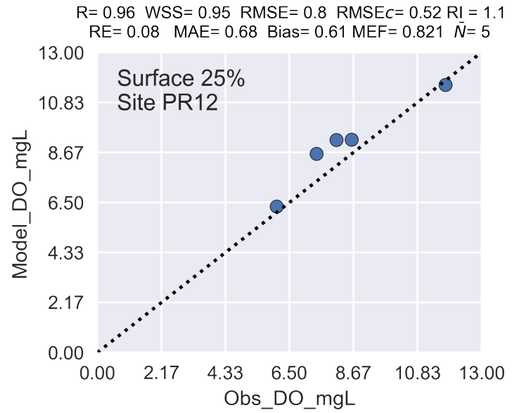

R= 0.96 WSS= 0.95 RMSE= 1.27 RMSEc= 0.93 RI = 1.25
RE= 0.19 MAE= 1.04 Bias= 0.86 MEF= 0.761 N̄= 15
All Depths
Site PR11
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

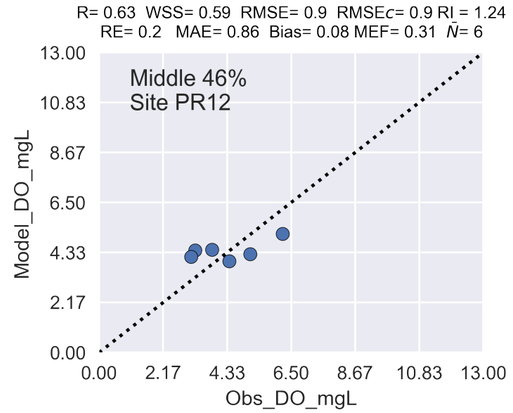

R= 0.89 WSS= 0.79 RMSE= 1.73 RMSEc= 0.77 RI = 1.22
RE= 0.19 MAE= 1.55 Bias= 1.55 MEF= -0.052 N̄= 6
Surface 25%
Site PR11
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

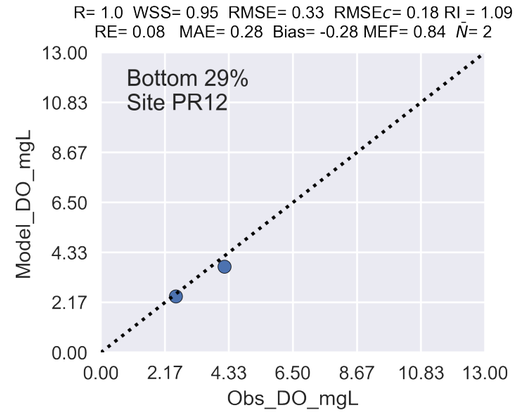

R= 0.88 WSS= 0.89 RMSE= 0.93 RMSEc= 0.69 RI = 1.3
RE= 0.19 MAE= 0.81 Bias= 0.62 MEF= 0.605 N̄= 5
Middle 46%
Site PR11
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

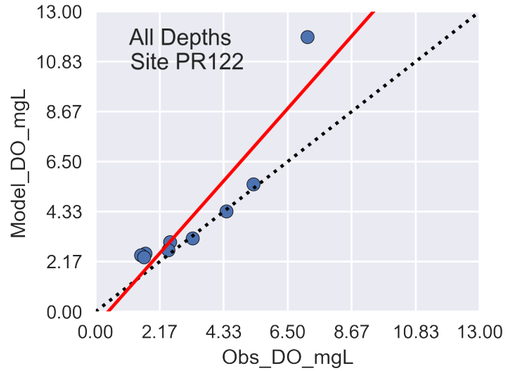

R= 0.68 WSS= 0.79 RMSE= 0.69 RMSEc= 0.67 RI = 1.25
RE= 0.18 MAE= 0.57 Bias= 0.14 MEF= 0.434 N̄= 4
Bottom 29%
Site PR11
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

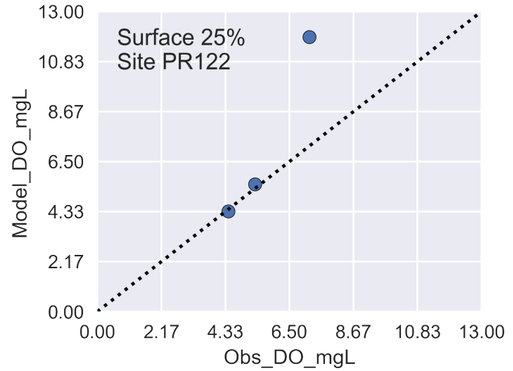

R= 0.96 WSS= 0.98 RMSE= 0.8 RMSEc= 0.76 RI = 1.18
RE= 0.12 MAE= 0.7 Bias= 0.23 MEF= 0.902 N̄= 13
All Depths
Site PR12
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

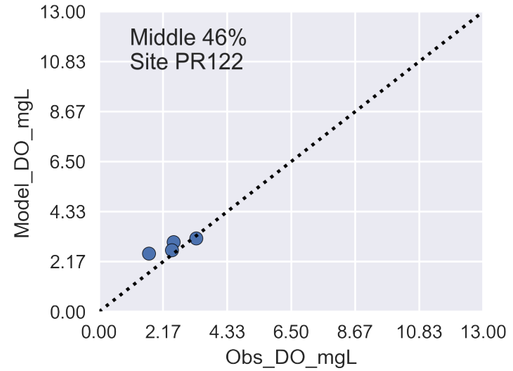

R= 0.96 WSS= 0.95 RMSE= 0.8 RMSEc= 0.52 RI = 1.1
RE= 0.08 MAE= 0.68 Bias= 0.61 MEF= 0.821 N̄= 5
Surface 25%
Site PR12
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

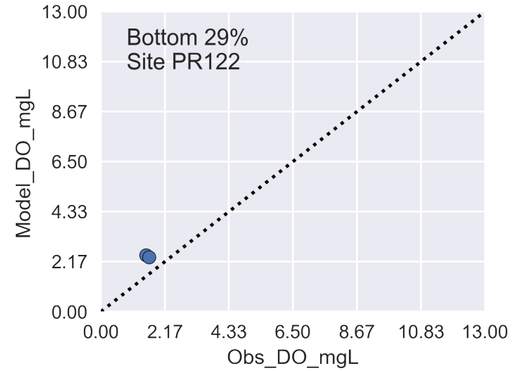

R= 0.63 WSS= 0.59 RMSE= 0.9 RMSEc= 0.9 RI = 1.24
RE= 0.2 MAE= 0.86 Bias= 0.08 MEF= 0.31 N̄= 6
Middle 46%
Site PR12
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

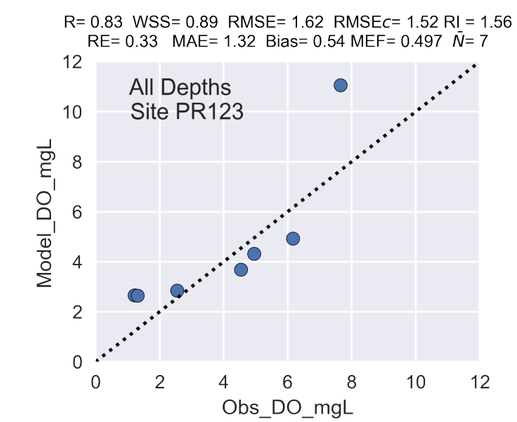

R= 1.0 WSS= 0.95 RMSE= 0.33 RMSEc= 0.18 RI = 1.09
RE= 0.08 MAE= 0.28 Bias= -0.28 MEF= 0.84 N̄= 2
Bottom 29%
Site PR12
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

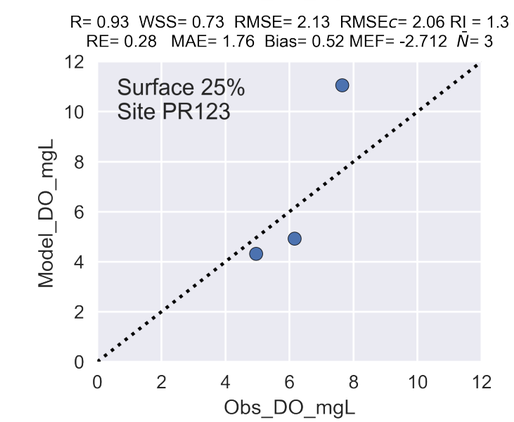

R= 0.92 WSS= 0.88 RMSE= 1.66 RMSEc= 1.41 RI = 1.35
RE= 0.28 MAE= 0.92 Bias= 0.88 MEF= 0.18 N̄= 9
All Depths
Site PR122
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

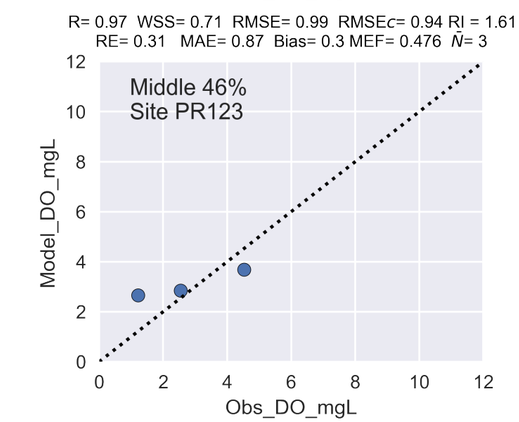

R= 0.98 WSS= 0.67 RMSE= 2.73 RMSEc= 2.21 RI = 1.34
RE= 0.29 MAE= 1.66 Bias= 1.61 MEF= -4.729 N̄= 3
Surface 25%
Site PR122
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

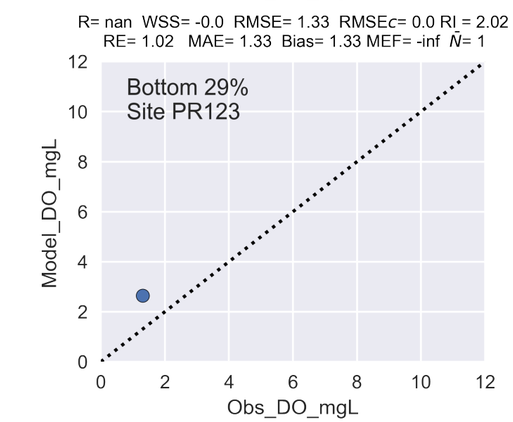

R= 0.89 WSS= 0.69 RMSE= 0.5 RMSEc= 0.35 RI = 1.25
RE= 0.17 MAE= 0.41 Bias= 0.36 MEF= 0.205 N̄= 4
Middle 46%
Site PR122
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

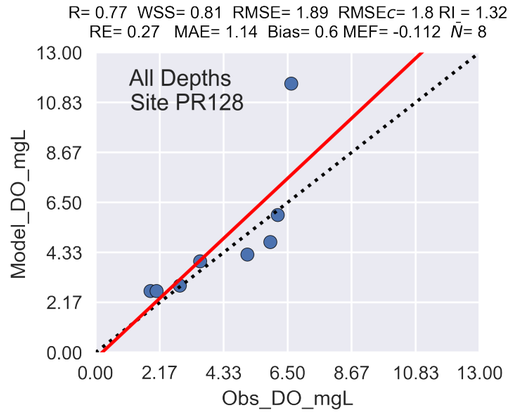

R= -1.0 WSS= 0.11 RMSE= 0.83 RMSEc= 0.1 RI = 1.53
RE= 0.52 MAE= 0.82 Bias= 0.82 MEF= -248.776 N̄= 2
Bottom 29%
Site PR122
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

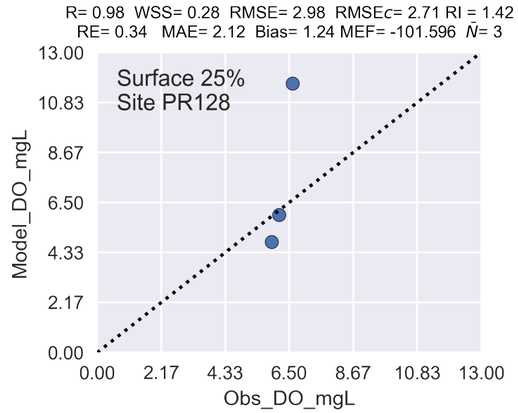

R= 0.83 WSS= 0.89 RMSE= 1.62 RMSEc= 1.52 RI = 1.56
RE= 0.33 MAE= 1.32 Bias= 0.54 MEF= 0.497 N̄= 7
All Depths
Site PR123
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

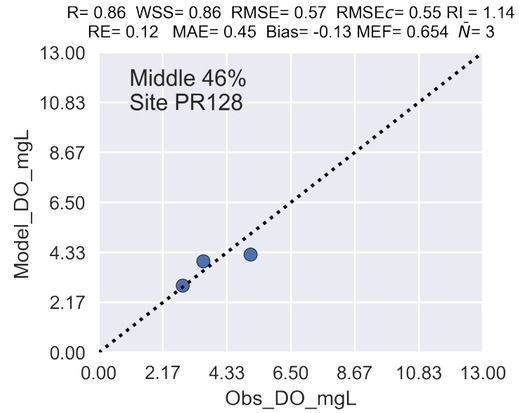

R= 0.93 WSS= 0.73 RMSE= 2.13 RMSEc= 2.06 RI = 1.3
RE= 0.28 MAE= 1.76 Bias= 0.52 MEF= -2.712 N̄= 3
Surface 25%
Site PR123
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

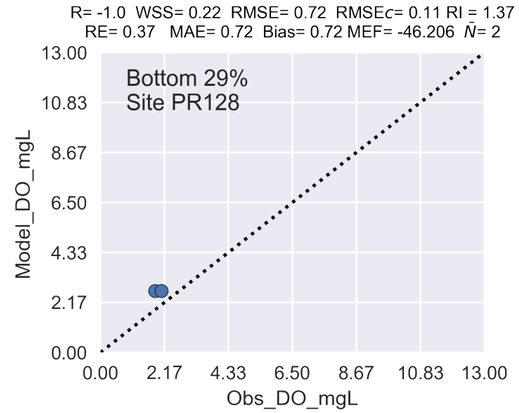

R= 0.97 WSS= 0.71 RMSE= 0.99 RMSEc= 0.94 RI = 1.61
RE= 0.31 MAE= 0.87 Bias= 0.3 MEF= 0.476 N̄= 3
Middle 46%
Site PR123
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

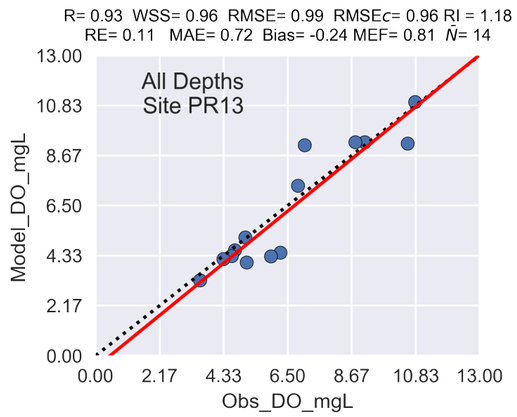

R= nan WSS= -0.0 RMSE= 1.33 RMSEc= 0.0 RI = 2.02
RE= 1.02 MAE= 1.33 Bias= 1.33 MEF= -inf N̄= 1
Bottom 29%
Site PR123
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

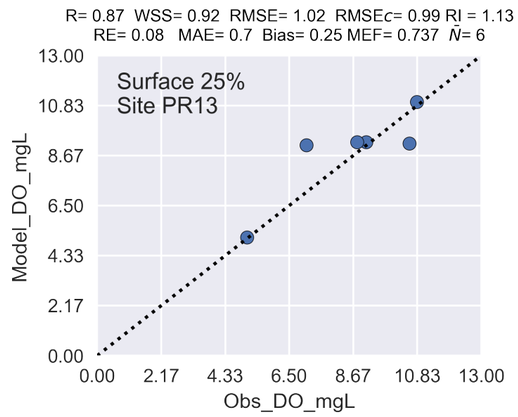

R= 0.77 WSS= 0.81 RMSE= 1.89 RMSEc= 1.8 RI = 1.32
RE= 0.27 MAE= 1.14 Bias= 0.6 MEF= -0.112 N̄= 8
All Depths
Site PR128
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

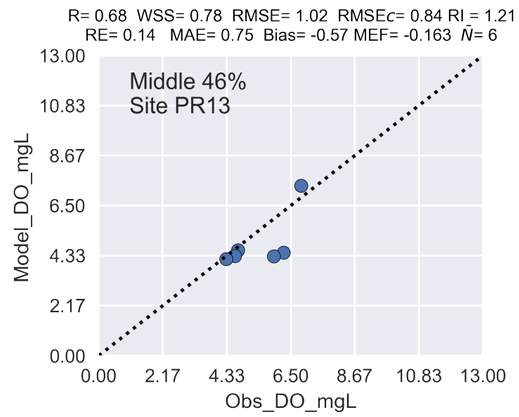

R= 0.98 WSS= 0.28 RMSE= 2.98 RMSEc= 2.71 RI = 1.42
RE= 0.34 MAE= 2.12 Bias= 1.24 MEF= -101.596 N̄= 3
Surface 25%
Site PR128
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

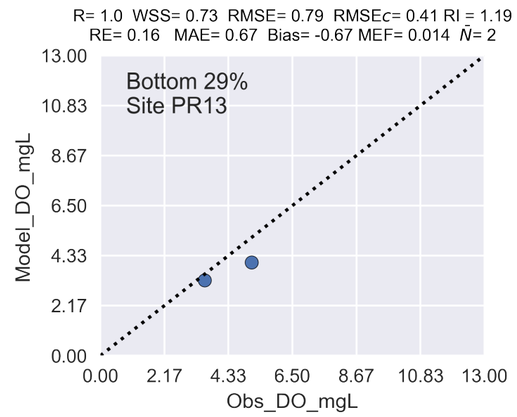

R= 0.86 WSS= 0.86 RMSE= 0.57 RMSEc= 0.55 RI = 1.14
RE= 0.12 MAE= 0.45 Bias= -0.13 MEF= 0.654 N̄= 3
Middle 46%
Site PR128
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

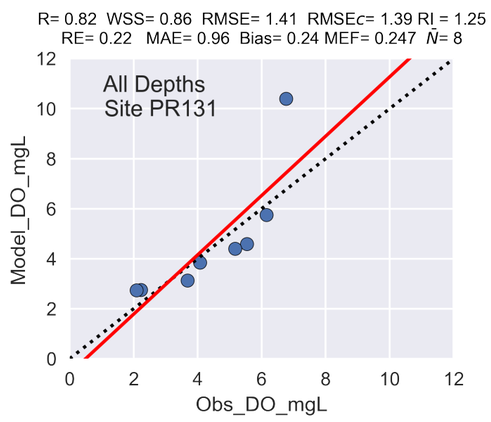

R= -1.0 WSS= 0.22 RMSE= 0.72 RMSEc= 0.11 RI = 1.37
RE= 0.37 MAE= 0.72 Bias= 0.72 MEF= -46.206 N̄= 2
Bottom 29%
Site PR128
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

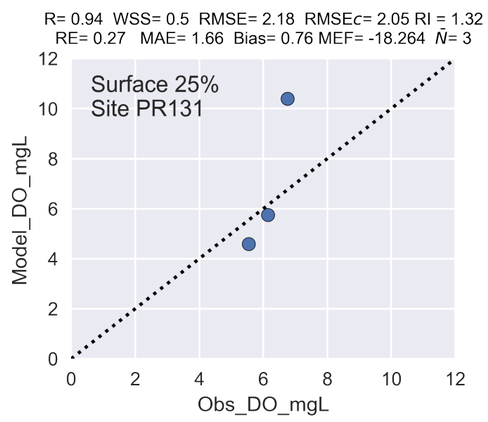

R= 0.93 WSS= 0.96 RMSE= 0.99 RMSEc= 0.96 RI = 1.18
RE= 0.11 MAE= 0.72 Bias= -0.24 MEF= 0.81 N̄= 14
All Depths
Site PR13
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

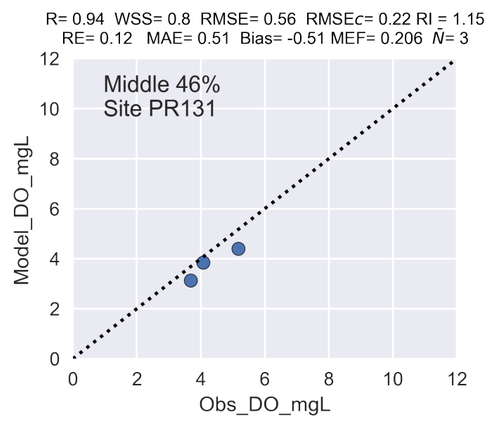

R= 0.87 WSS= 0.92 RMSE= 1.02 RMSEc= 0.99 RI = 1.13
RE= 0.08 MAE= 0.7 Bias= 0.25 MEF= 0.737 N̄= 6
Surface 25%
Site PR13
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

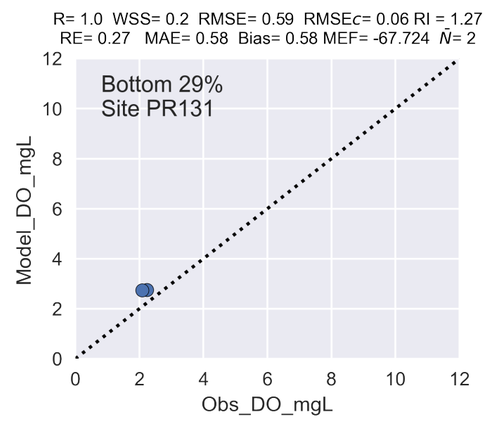

R= 0.68 WSS= 0.78 RMSE= 1.02 RMSEc= 0.84 RI = 1.21
RE= 0.14 MAE= 0.75 Bias= -0.57 MEF= -0.163 N̄= 6
Middle 46%
Site PR13
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

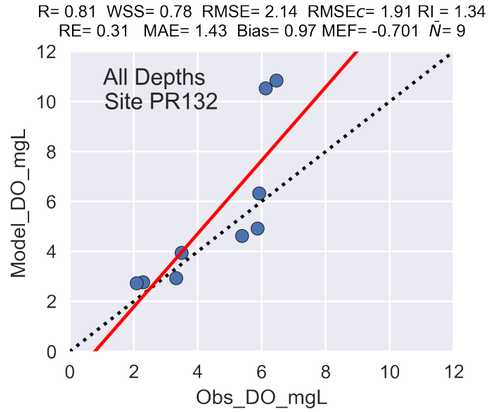

R= 1.0 WSS= 0.73 RMSE= 0.79 RMSEc= 0.41 RI = 1.19
RE= 0.16 MAE= 0.67 Bias= -0.67 MEF= 0.014 N̄= 2
Bottom 29%
Site PR13
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

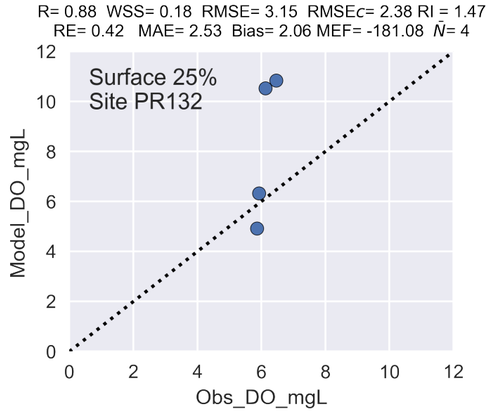

R= 0.82 WSS= 0.86 RMSE= 1.41 RMSEc= 1.39 RI = 1.25
RE= 0.22 MAE= 0.96 Bias= 0.24 MEF= 0.247 N̄= 8
All Depths
Site PR131
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

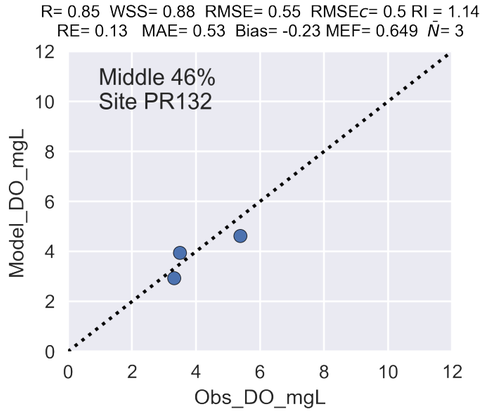

R= 0.94 WSS= 0.5 RMSE= 2.18 RMSEc= 2.05 RI = 1.32
RE= 0.27 MAE= 1.66 Bias= 0.76 MEF= -18.264 N̄= 3
Surface 25%
Site PR131
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

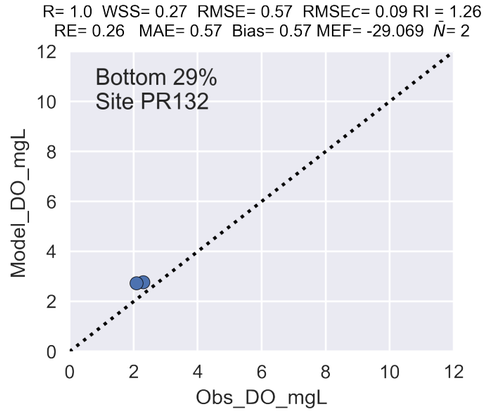

R= 0.94 WSS= 0.8 RMSE= 0.56 RMSEc= 0.22 RI = 1.15
RE= 0.12 MAE= 0.51 Bias= -0.51 MEF= 0.206 N̄= 3
Middle 46%
Site PR131
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

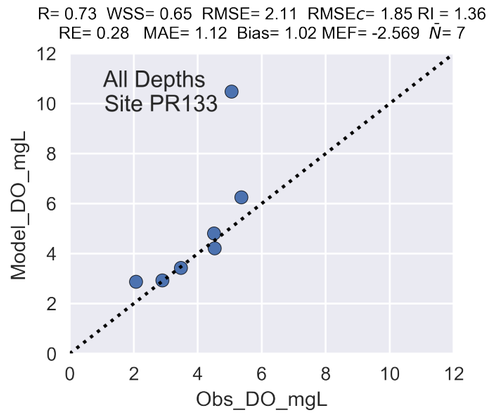

R= 1.0 WSS= 0.2 RMSE= 0.59 RMSEc= 0.06 RI = 1.27
RE= 0.27 MAE= 0.58 Bias= 0.58 MEF= -67.724 N̄= 2
Bottom 29%
Site PR131
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

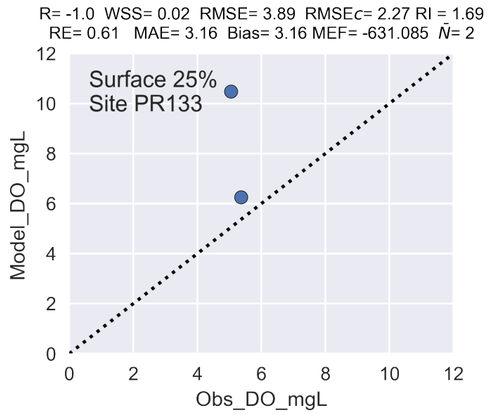

R= 0.81 WSS= 0.78 RMSE= 2.14 RMSEc= 1.91 RI = 1.34
RE= 0.31 MAE= 1.43 Bias= 0.97 MEF= -0.701 N̄= 9
All Depths
Site PR132
Model_DO_mgL
Obs_DO_mgL

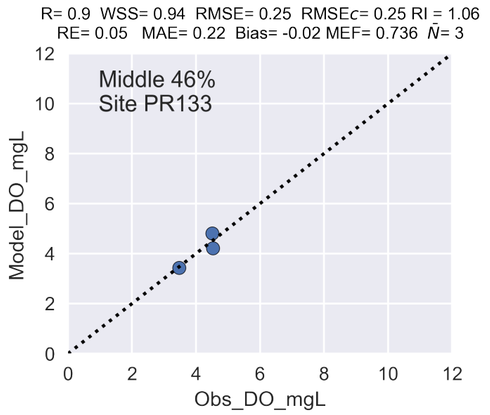

R= 0.88 WSS= 0.18 RMSE= 3.15 RMSEc= 2.38 RI = 1.47
RE= 0.42 MAE= 2.53 Bias= 2.06 MEF= -181.08 N̄= 4
Surface 25%
Site PR132
Model_DO_mgL
Obs_DO_mgL

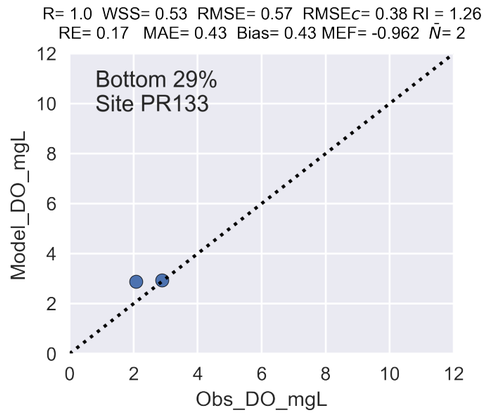

R= 0.85 WSS= 0.88 RMSE= 0.55 RMSEc= 0.5 RI = 1.14
RE= 0.13 MAE= 0.53 Bias= -0.23 MEF= 0.649 N̄= 3
Middle 46%
Site PR132
Model_DO_mgL
Obs_DO_mgL

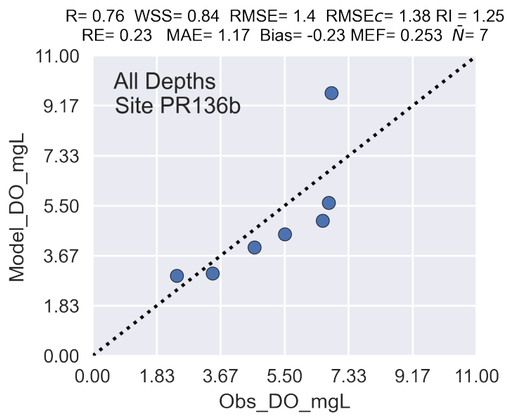

R= 1.0 WSS= 0.27 RMSE= 0.57 RMSEc= 0.09 RI = 1.26
RE= 0.26 MAE= 0.57 Bias= 0.57 MEF= -29.069 N̄= 2
Bottom 29%
Site PR132
Model_DO_mgL
Obs_DO_mgL

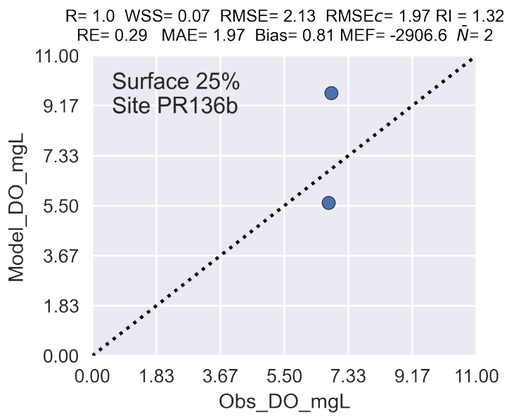

R= 0.73 WSS= 0.65 RMSE= 2.11 RMSEc= 1.85 RI = 1.36
RE= 0.28 MAE= 1.12 Bias= 1.02 MEF= -2.569 N̄= 7
All Depths
Site PR133
Model_DO_mgL
Obs_DO_mgL

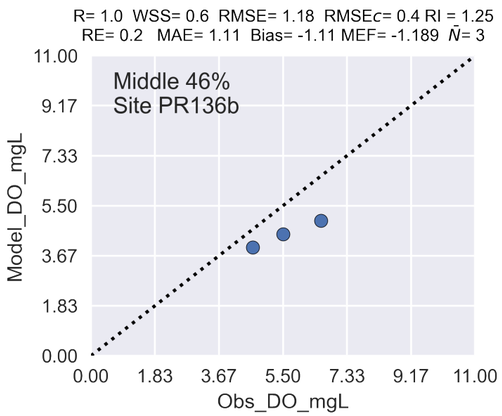

R= -1.0 WSS= 0.02 RMSE= 3.89 RMSEc= 2.27 RI = 1.69
RE= 0.61 MAE= 3.16 Bias= 3.16 MEF= -631.085 N̄= 2
Surface 25%
Site PR133
Model_DO_mgL
Obs_DO_mgL

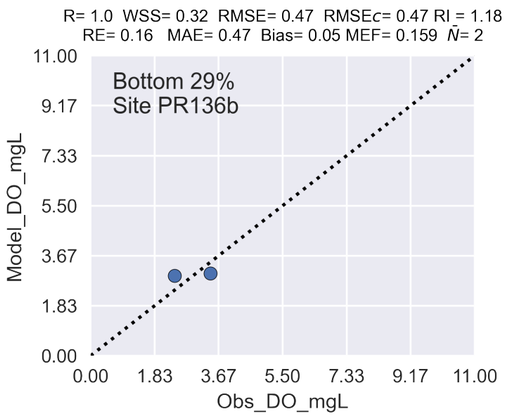

R= 0.9 WSS= 0.94 RMSE= 0.25 RMSEc= 0.25 RI = 1.06
RE= 0.05 MAE= 0.22 Bias= -0.02 MEF= 0.736 N̄= 3
Middle 46%
Site PR133
Model_DO_mgL
Obs_DO_mgL

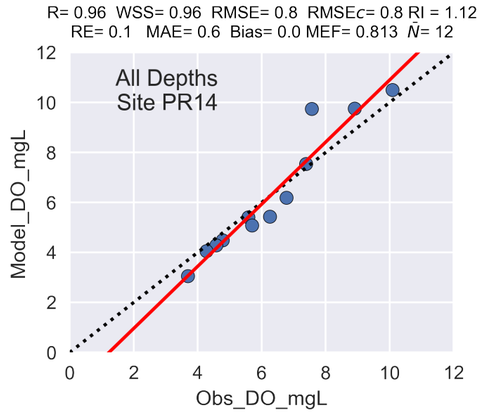

R= 1.0 WSS= 0.53 RMSE= 0.57 RMSEc= 0.38 RI = 1.26
RE= 0.17 MAE= 0.43 Bias= 0.43 MEF= -0.962 N̄= 2
Bottom 29%
Site PR133
Model_DO_mgL
Obs_DO_mgL


R= 0.76 WSS= 0.84 RMSE= 1.4 RMSEc= 1.38 RI = 1.25
RE= 0.23 MAE= 1.17 Bias= -0.23 MEF= 0.253 N̄= 7
All Depths
Site PR136b
Model_DO_mgL
Obs_DO_mgL

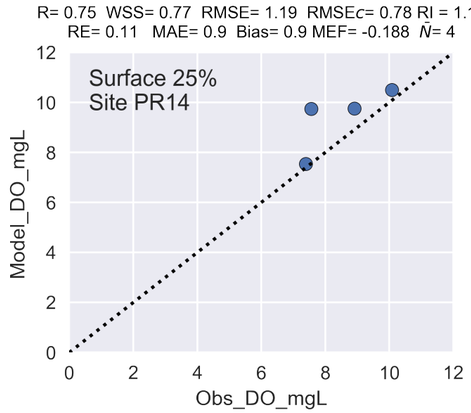

R= 1.0 WSS= 0.07 RMSE= 2.13 RMSEc= 1.97 RI = 1.32
RE= 0.29 MAE= 1.97 Bias= 0.81 MEF= -2906.6 N̄= 2
Surface 25%
Site PR136b
Model_DO_mgL
Obs_DO_mgL


R= 1.0 WSS= 0.6 RMSE= 1.18 RMSEc= 0.4 RI = 1.25
RE= 0.2 MAE= 1.11 Bias= -1.11 MEF= -1.189 N̄= 3
Middle 46%
Site PR136b
Model_DO_mgL
Obs_DO_mgL

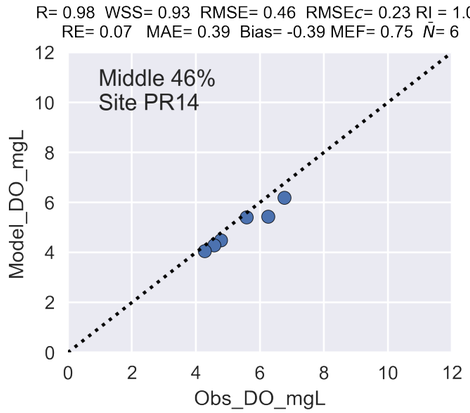

R= 1.0 WSS= 0.32 RMSE= 0.47 RMSEc= 0.47 RI = 1.18
RE= 0.16 MAE= 0.47 Bias= 0.05 MEF= 0.159 N̄= 2
Bottom 29%
Site PR136b
Model_DO_mgL
Obs_DO_mgL



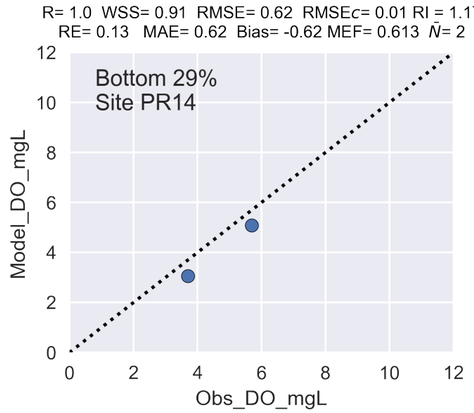
R= 0.96 WSS= 0.96 RMSE= 0.8 RMSE*c*= 0.8 RI = 1.12
RE= 0.1 MAE= 0.6 Bias= 0.0 MEF= 0.813 $\bar{N}$= 12



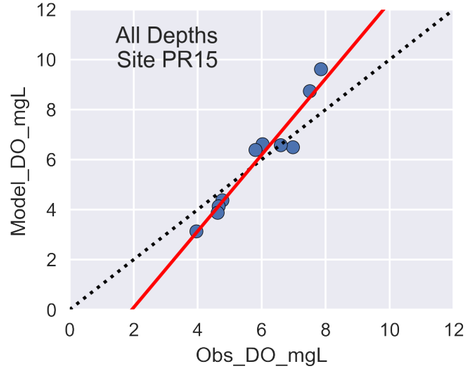
R= 0.75 WSS= 0.77 RMSE= 1.19 RMSE*c*= 0.78 RI = 1.15
RE= 0.11 MAE= 0.9 Bias= 0.9 MEF= -0.188 $\bar{N}$= 4



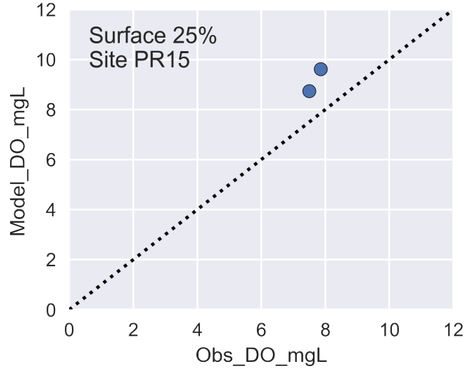
R= 0.98 WSS= 0.93 RMSE= 0.46 RMSE*c*= 0.23 RI = 1.08
RE= 0.07 MAE= 0.39 Bias= -0.39 MEF= 0.75 $\bar{N}$= 6



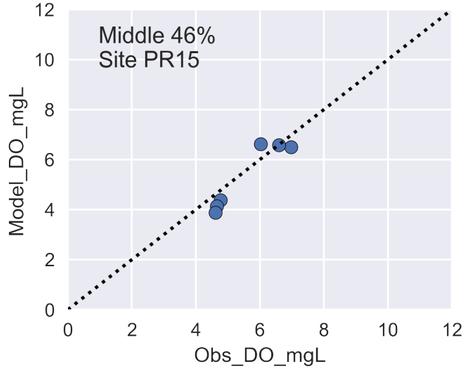
R= 1.0 WSS= 0.91 RMSE= 0.62 RMSE*c*= 0.01 RI = 1.17
RE= 0.13 MAE= 0.62 Bias= -0.62 MEF= 0.613 $\bar{N}$= 2



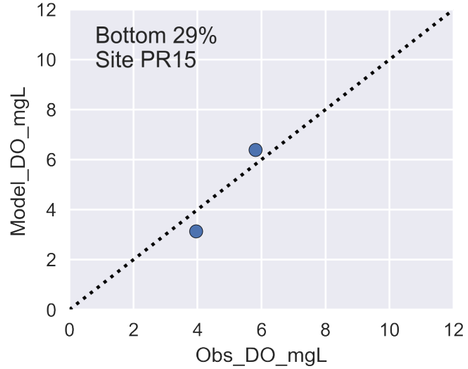
R= 0.97 WSS= 0.93 RMSE= 0.85 RMSE*c*= 0.84 RI = 1.15
RE= 0.12 MAE= 0.72 Bias= 0.12 MEF= 0.556 $\bar{N}$= 10



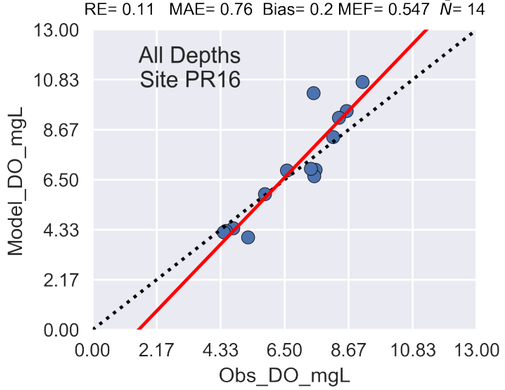
R= 1.0 WSS= 0.23 RMSE= 1.53 RMSE*c*= 0.26 RI = 1.2
RE= 0.2 MAE= 1.5 Bias= 1.5 MEF= -72.337 $\bar{N}$= 2



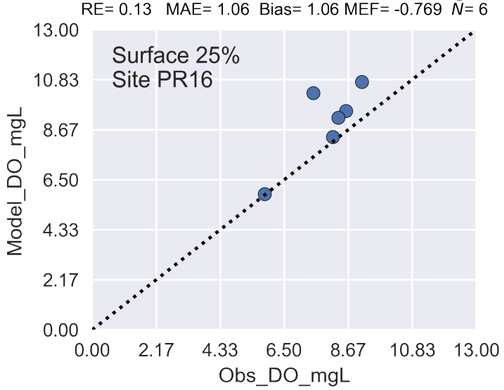
R= 0.95 WSS= 0.95 RMSE= 0.51 RMSE*c*= 0.44 RI = 1.11
RE= 0.08 MAE= 0.46 Bias= -0.26 MEF= 0.724 $\bar{N}$= 6



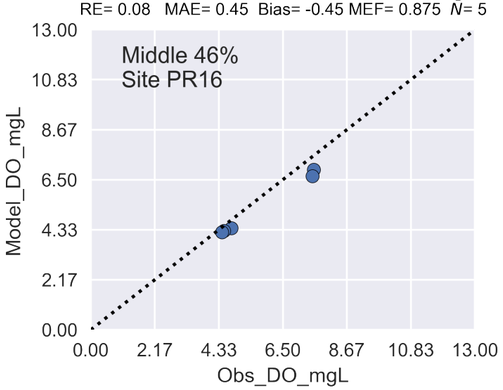
R= 1.0 WSS= 0.92 RMSE= 0.71 RMSE*c*= 0.7 RI = 1.2
RE= 0.14 MAE= 0.7 Bias= -0.12 MEF= 0.406 $\bar{N}$= 2



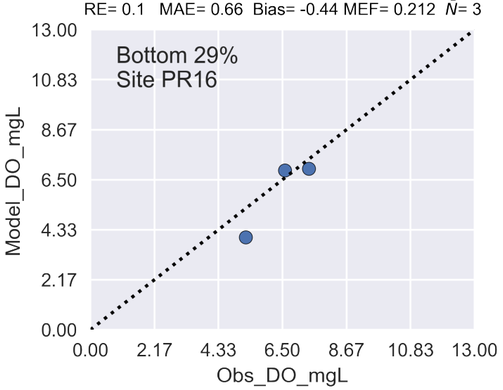
R= 0.92 WSS= 0.92 RMSE= 1.03 RMSE*c*= 1.01 RI = 1.15
RE= 0.11 MAE= 0.76 Bias= 0.2 MEF= 0.547 $\bar{N}$= 14



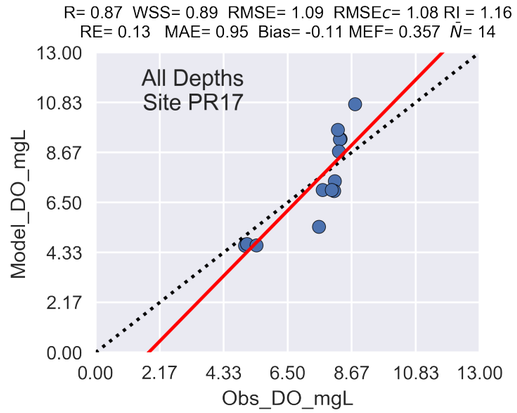
R= 0.83 WSS= 0.76 RMSE= 1.4 RMSE*c*= 0.92 RI = 1.17
RE= 0.13 MAE= 1.06 Bias= 1.06 MEF= -0.769 $\bar{N}$= 6

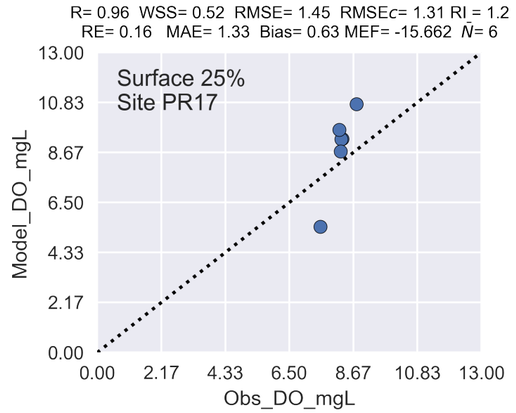


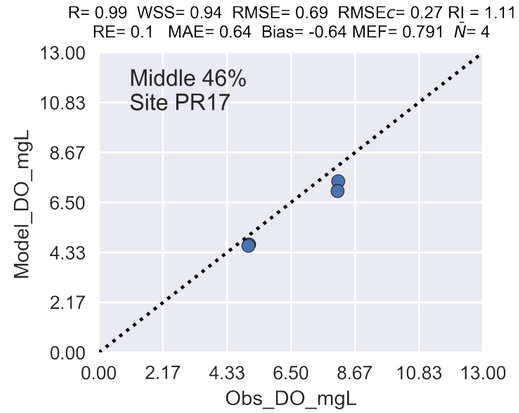
R= 1.0 WSS= 0.96 RMSE= 0.51 RMSE*c*= 0.24 RI = 1.08
RE= 0.08 MAE= 0.45 Bias= -0.45 MEF= 0.875 $\bar{N}$= 5

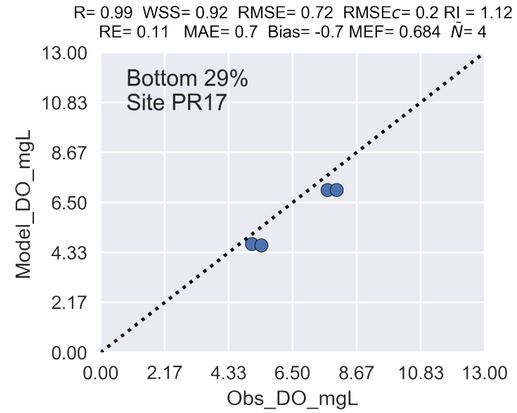


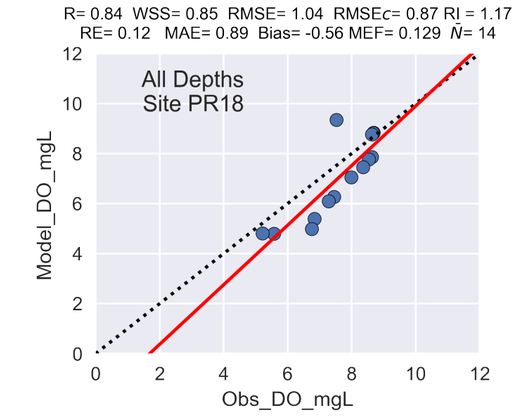
R= 0.93 WSS= 0.88 RMSE= 0.78 RMSE*c*= 0.64 RI = 1.18
RE= 0.1 MAE= 0.66 Bias= -0.44 MEF= 0.212 $\bar{N}$= 3

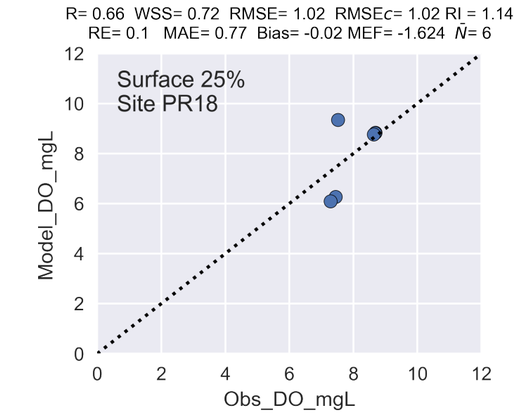

R= 0.87 WSS= 0.89 RMSE= 1.09 RMSEc= 1.08 RI = 1.16
RE= 0.13 MAE= 0.95 Bias= -0.11 MEF= 0.357 N̄= 14
All Depths
Site PR17
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

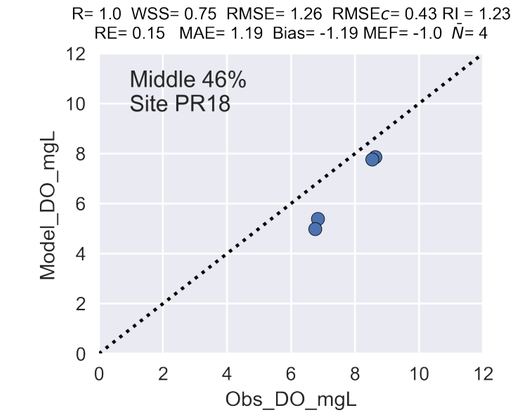

R= 0.96 WSS= 0.52 RMSE= 1.45 RMSEc= 1.31 RI = 1.2
RE= 0.16 MAE= 1.33 Bias= 0.63 MEF= -15.662 N̄= 6
Surface 25%
Site PR17
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

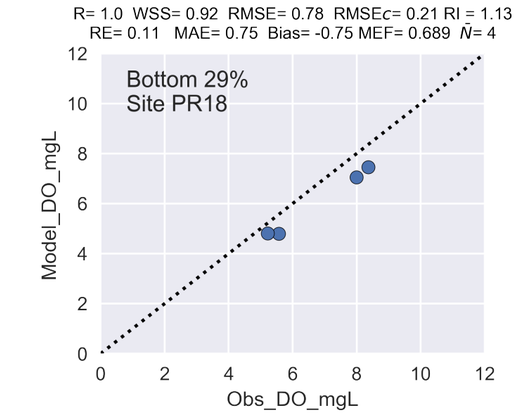

R= 0.99 WSS= 0.94 RMSE= 0.69 RMSEc= 0.27 RI = 1.11
RE= 0.1 MAE= 0.64 Bias= -0.64 MEF= 0.791 N̄= 4
Middle 46%
Site PR17
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

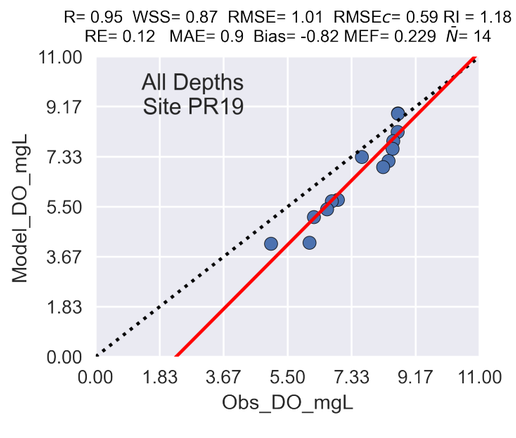

R= 0.99 WSS= 0.92 RMSE= 0.72 RMSEc= 0.2 RI = 1.12
RE= 0.11 MAE= 0.7 Bias= -0.7 MEF= 0.684 N̄= 4
Bottom 29%
Site PR17
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

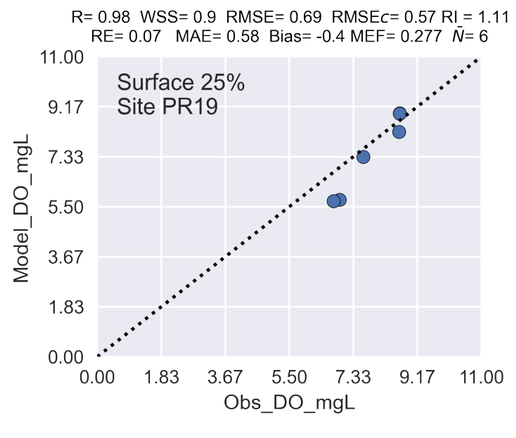

R= 0.84 WSS= 0.85 RMSE= 1.04 RMSEc= 0.87 RI = 1.17
RE= 0.12 MAE= 0.89 Bias= -0.56 MEF= 0.129 N̄= 14
All Depths
Site PR18
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

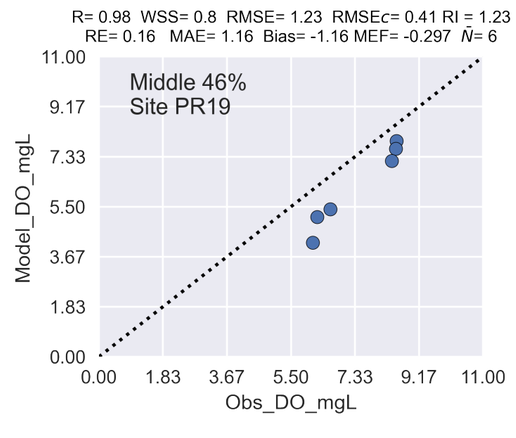

R= 0.66 WSS= 0.72 RMSE= 1.02 RMSEc= 1.02 RI = 1.14
RE= 0.1 MAE= 0.77 Bias= -0.02 MEF= -1.624 N̄= 6
Surface 25%
Site PR18
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

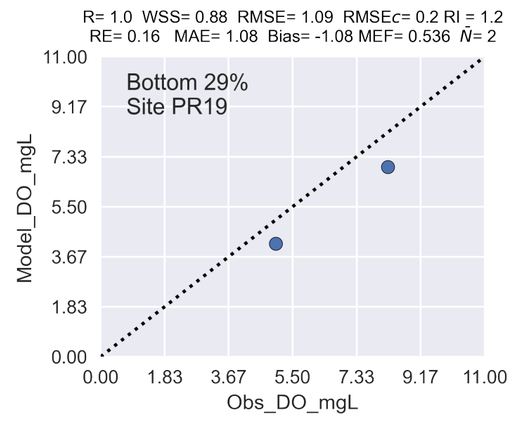

R= 1.0 WSS= 0.75 RMSE= 1.26 RMSEc= 0.43 RI = 1.23
RE= 0.15 MAE= 1.19 Bias= -1.19 MEF= -1.0 N̄= 4
Middle 46%
Site PR18
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

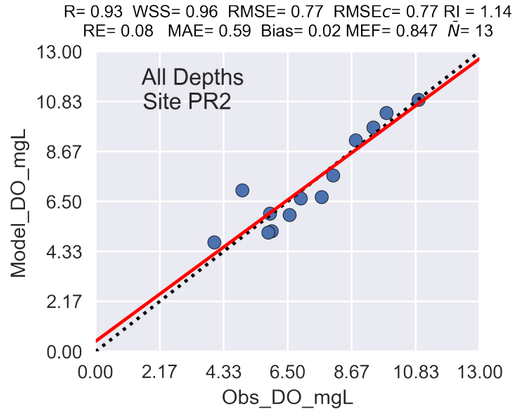

R= 1.0 WSS= 0.92 RMSE= 0.78 RMSEc= 0.21 RI = 1.13
RE= 0.11 MAE= 0.75 Bias= -0.75 MEF= 0.689 N̄= 4
Bottom 29%
Site PR18
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

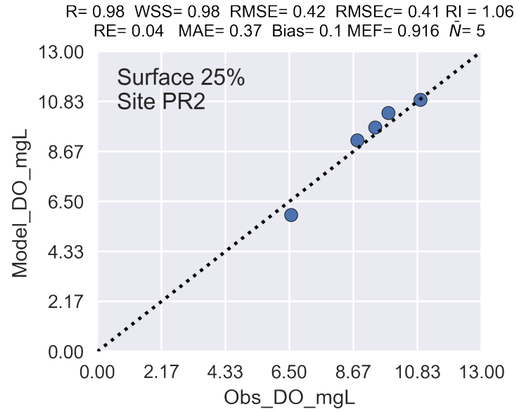

R= 0.95 WSS= 0.87 RMSE= 1.01 RMSEc= 0.59 RI = 1.18
RE= 0.12 MAE= 0.9 Bias= -0.82 MEF= 0.229 N̄= 14
All Depths
Site PR19
Model_DO_mgL
Obs_DO_mgL
0.00
1.83
3.67
5.50
7.33
9.17
11.00

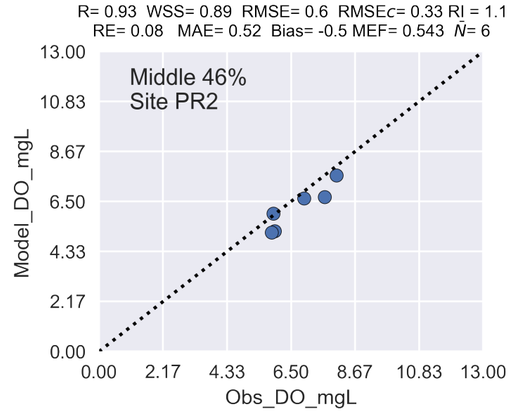

R= 0.98 WSS= 0.9 RMSE= 0.69 RMSEc= 0.57 RI = 1.11
RE= 0.07 MAE= 0.58 Bias= -0.4 MEF= 0.277 N̄= 6
Surface 25%
Site PR19
Model_DO_mgL
Obs_DO_mgL
0.00
1.83
3.67
5.50
7.33
9.17
11.00

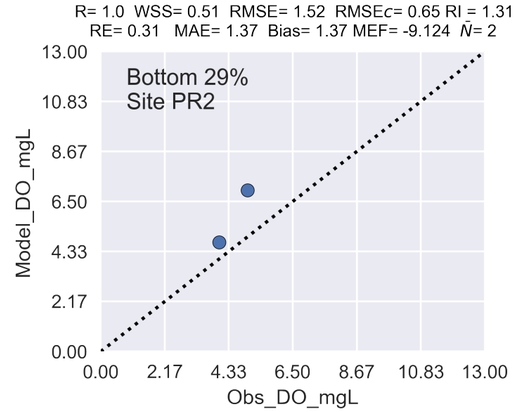

R= 0.98 WSS= 0.8 RMSE= 1.23 RMSEc= 0.41 RI = 1.23
RE= 0.16 MAE= 1.16 Bias= -1.16 MEF= -0.297 N̄= 6
Middle 46%
Site PR19
Model_DO_mgL
Obs_DO_mgL
0.00
1.83
3.67
5.50
7.33
9.17
11.00

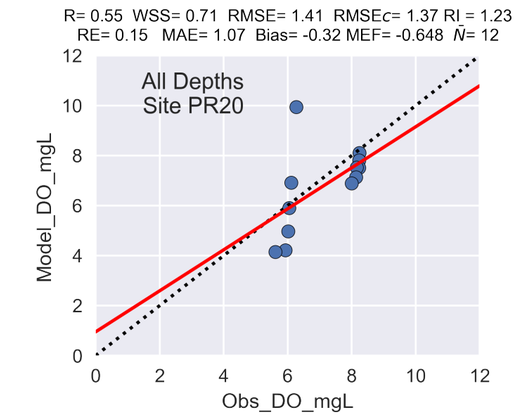

R= 1.0 WSS= 0.88 RMSE= 1.09 RMSEc= 0.2 RI = 1.2
RE= 0.16 MAE= 1.08 Bias= -1.08 MEF= 0.536 N̄= 2
Bottom 29%
Site PR19
Model_DO_mgL
Obs_DO_mgL
0.00
1.83
3.67
5.50
7.33
9.17
11.00

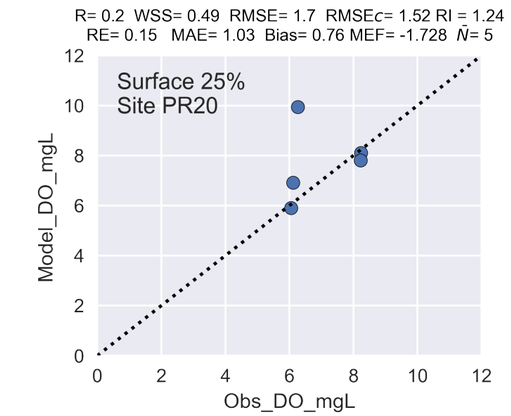

R= 0.93 WSS= 0.96 RMSE= 0.77 RMSEc= 0.77 RI = 1.14
RE= 0.08 MAE= 0.59 Bias= 0.02 MEF= 0.847 N̄= 13
All Depths
Site PR2
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

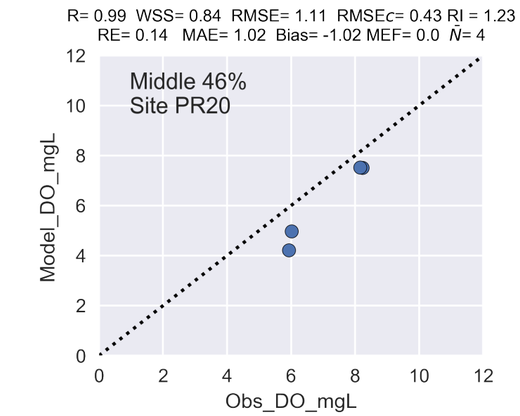

R= 0.98 WSS= 0.98 RMSE= 0.42 RMSEc= 0.41 RI = 1.06
RE= 0.04 MAE= 0.37 Bias= 0.1 MEF= 0.916 N̄= 5
Surface 25%
Site PR2
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

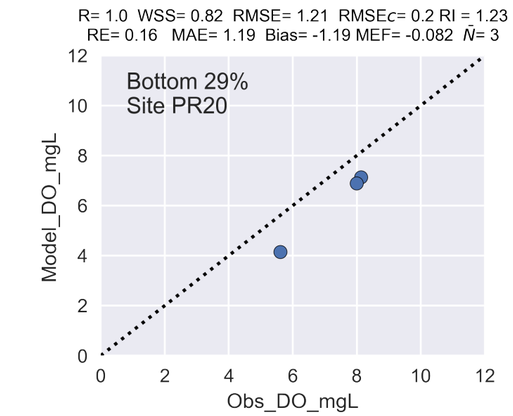

R= 0.93 WSS= 0.89 RMSE= 0.6 RMSEc= 0.33 RI = 1.1
RE= 0.08 MAE= 0.52 Bias= -0.5 MEF= 0.543 N̄= 6
Middle 46%
Site PR2
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

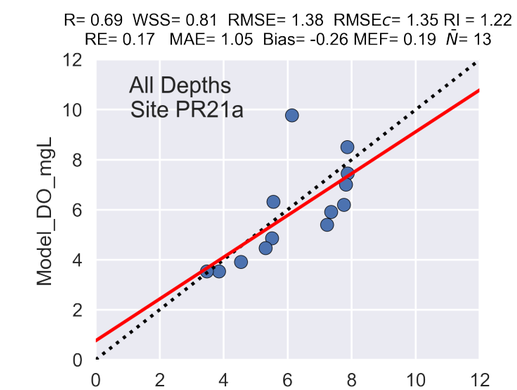

R= 1.0 WSS= 0.51 RMSE= 1.52 RMSEc= 0.65 RI = 1.31
RE= 0.31 MAE= 1.37 Bias= 1.37 MEF= -9.124 N̄= 2
Bottom 29%
Site PR2
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

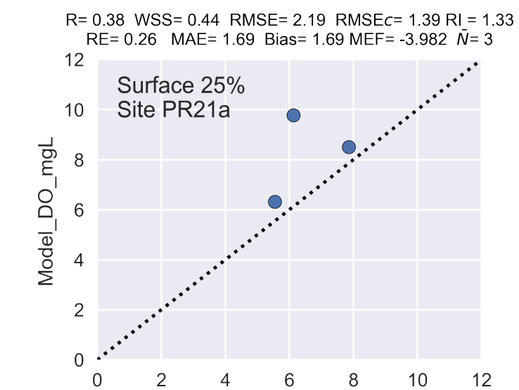

R= 0.55 WSS= 0.71 RMSE= 1.41 RMSEc= 1.37 RI = 1.23
RE= 0.15 MAE= 1.07 Bias= -0.32 MEF= -0.648 N̄= 12
All Depths
Site PR20
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

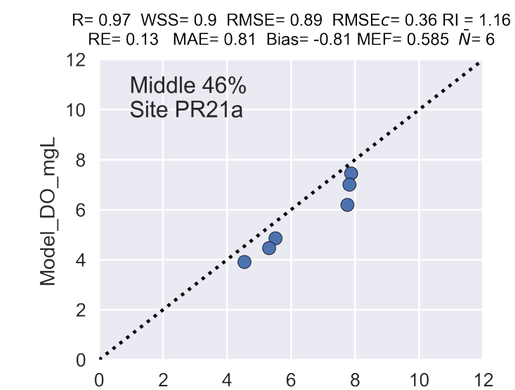

R= 0.2 WSS= 0.49 RMSE= 1.7 RMSEc= 1.52 RI = 1.24
RE= 0.15 MAE= 1.03 Bias= 0.76 MEF= -1.728 N̄= 5
Surface 25%
Site PR20
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

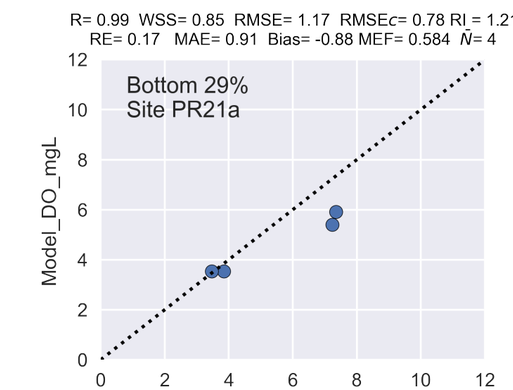

R= 0.99 WSS= 0.84 RMSE= 1.11 RMSEc= 0.43 RI = 1.23
RE= 0.14 MAE= 1.02 Bias= -1.02 MEF= 0.0 N̄= 4
Middle 46%
Site PR20
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

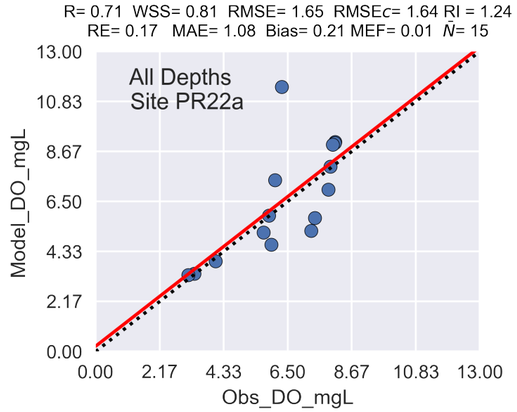

R= 1.0 WSS= 0.82 RMSE= 1.21 RMSEc= 0.2 RI = 1.23
RE= 0.16 MAE= 1.19 Bias= -1.19 MEF= -0.082 N̄= 3
Bottom 29%
Site PR20
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12


R= 0.69 WSS= 0.81 RMSE= 1.38 RMSEc= 1.35 RI = 1.22
RE= 0.17 MAE= 1.05 Bias= -0.26 MEF= 0.19 N̄= 13
All Depths
Site PR21a
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

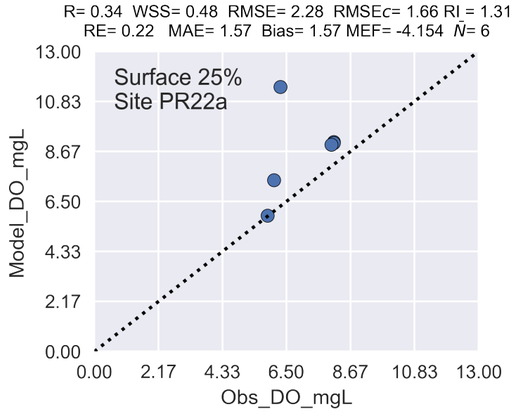

R= 0.38 WSS= 0.44 RMSE= 2.19 RMSEc= 1.39 RI = 1.33
RE= 0.26 MAE= 1.69 Bias= 1.69 MEF= -3.982 N̄= 3
Surface 25%
Site PR21a
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12


R= 0.97 WSS= 0.9 RMSE= 0.89 RMSEc= 0.36 RI = 1.16
RE= 0.13 MAE= 0.81 Bias= -0.81 MEF= 0.585 N̄= 6
Middle 46%
Site PR21a
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12

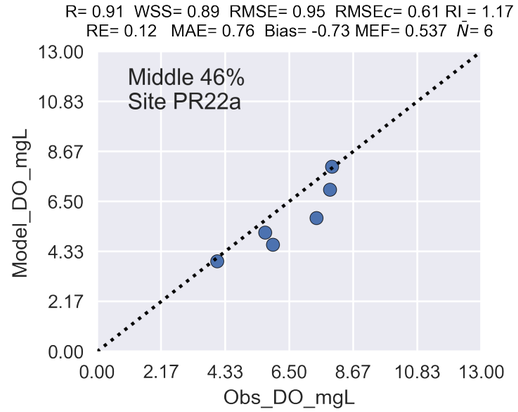

R= 0.99 WSS= 0.85 RMSE= 1.17 RMSEc= 0.78 RI = 1.21
RE= 0.17 MAE= 0.91 Bias= -0.88 MEF= 0.584 N̄= 4
Bottom 29%
Site PR21a
Model_DO_mgL
Obs_DO_mgL
0
2
4
6
8
10
12



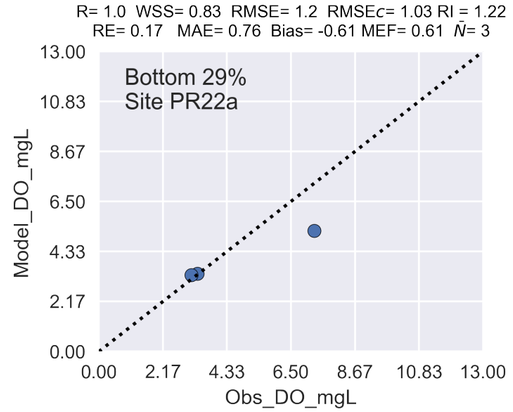
R= 0.71 WSS= 0.81 RMSE= 1.65 RMSE*c*= 1.64 RI = 1.24
RE= 0.17 MAE= 1.08 Bias= 0.21 MEF= 0.01 $\bar{N}$= 15



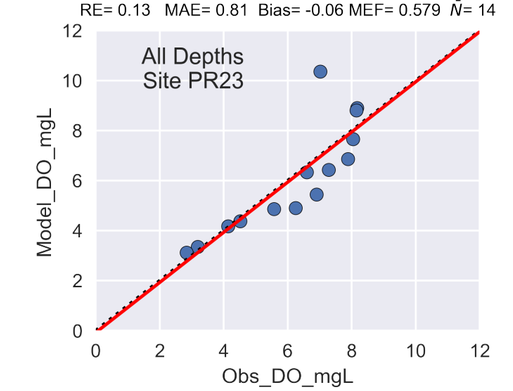
R= 0.34 WSS= 0.48 RMSE= 2.28 RMSE*c*= 1.66 RI = 1.31
RE= 0.22 MAE= 1.57 Bias= 1.57 MEF= -4.154 $\bar{N}$= 6



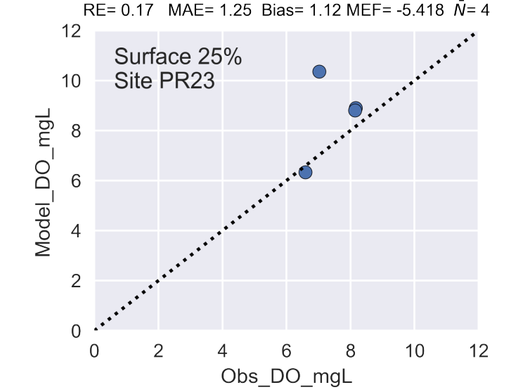
R= 0.91 WSS= 0.89 RMSE= 0.95 RMSE*c*= 0.61 RI = 1.17
RE= 0.12 MAE= 0.76 Bias= -0.73 MEF= 0.537 $\bar{N}$= 6



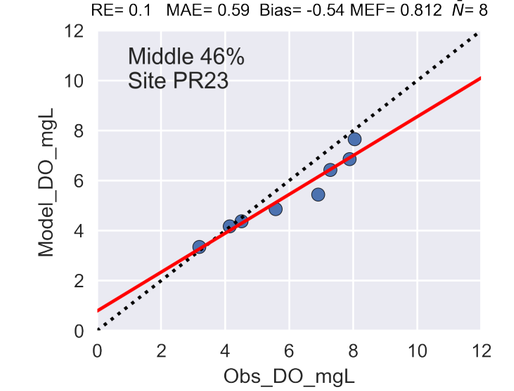
R= 1.0 WSS= 0.83 RMSE= 1.2 RMSE*c*= 1.03 RI = 1.22
RE= 0.17 MAE= 0.76 Bias= -0.61 MEF= 0.61 $\bar{N}$= 3



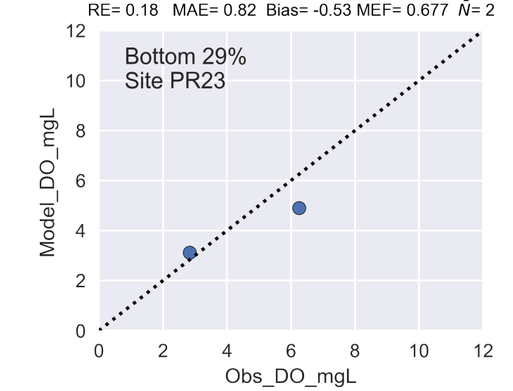
R= 0.84 WSS= 0.91 RMSE= 1.15 RMSE*c*= 1.15 RI = 1.17
RE= 0.13 MAE= 0.81 Bias= -0.06 MEF= 0.579 $\bar{N}$= 14



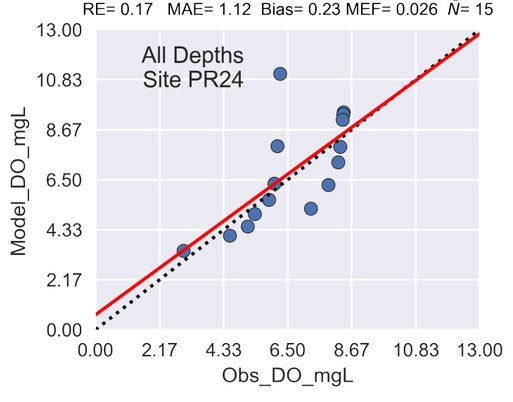
R= 0.39 WSS= 0.48 RMSE= 1.75 RMSE*c*= 1.34 RI = 1.23
RE= 0.17 MAE= 1.25 Bias= 1.12 MEF= -5.418 $\bar{N}$= 4



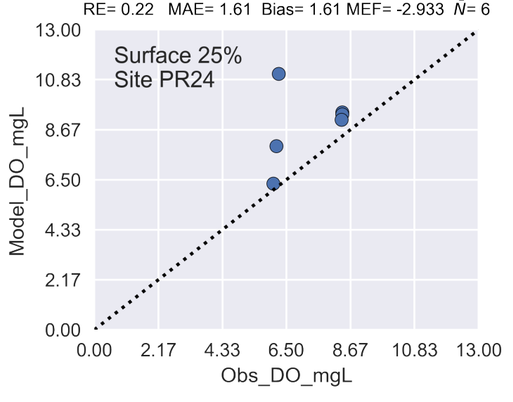
R= 0.97 WSS= 0.94 RMSE= 0.75 RMSE*c*= 0.52 RI = 1.13
RE= 0.1 MAE= 0.59 Bias= -0.54 MEF= 0.812 $\bar{N}$= 8



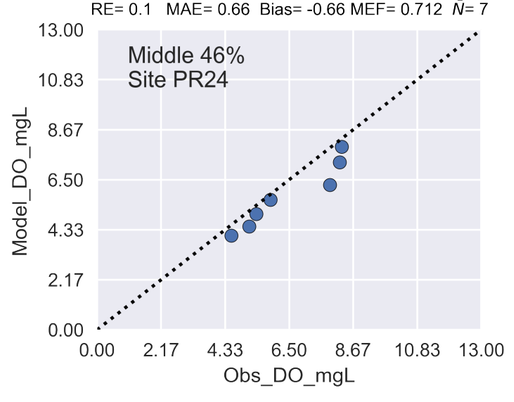
R= 1.0 WSS= 0.87 RMSE= 0.97 RMSE*c*= 0.82 RI = 1.2
RE= 0.18 MAE= 0.82 Bias= -0.53 MEF= 0.677 $\bar{N}$= 2



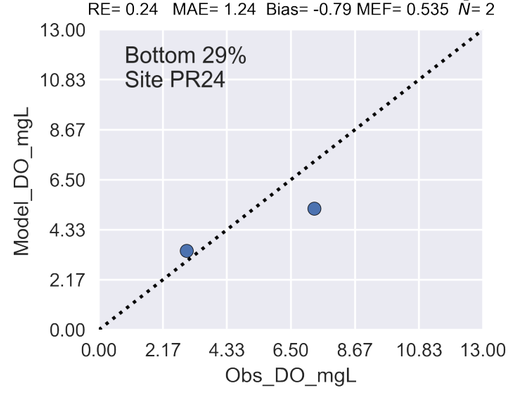
R= 0.69 WSS= 0.81 RMSE= 1.59 RMSE*c*= 1.58 RI = 1.23
RE= 0.17 MAE= 1.12 Bias= 0.23 MEF= 0.026 $\bar{N}$= 15



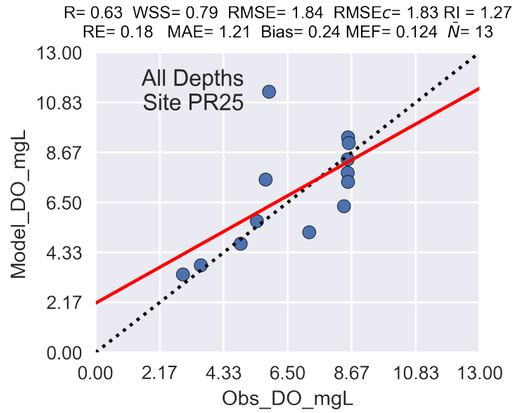
R= 0.33 WSS= 0.52 RMSE= 2.21 RMSE*c*= 1.52 RI = 1.31
RE= 0.22 MAE= 1.61 Bias= 1.61 MEF= -2.933 $\bar{N}$= 6

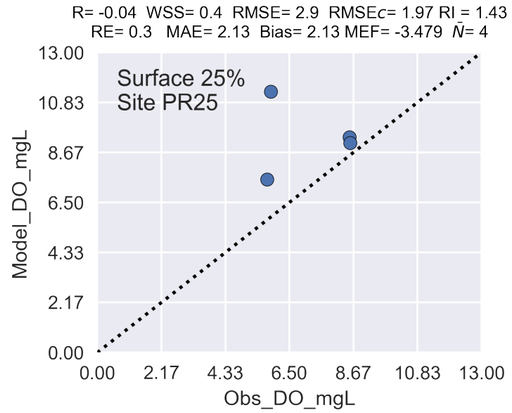


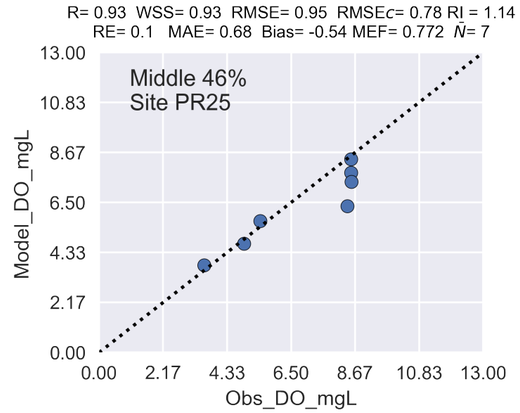
R= 0.96 WSS= 0.92 RMSE= 0.79 RMSE*c*= 0.44 RI = 1.13
RE= 0.1 MAE= 0.66 Bias= -0.66 MEF= 0.712 $\bar{N}$= 7

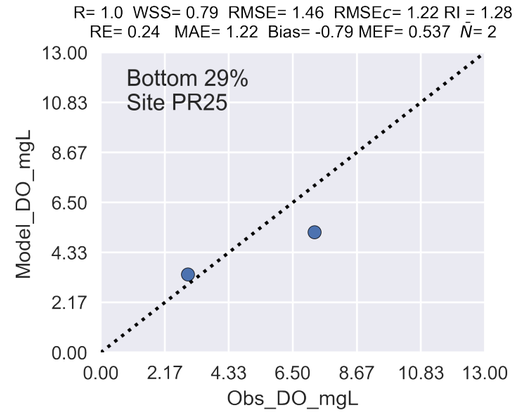


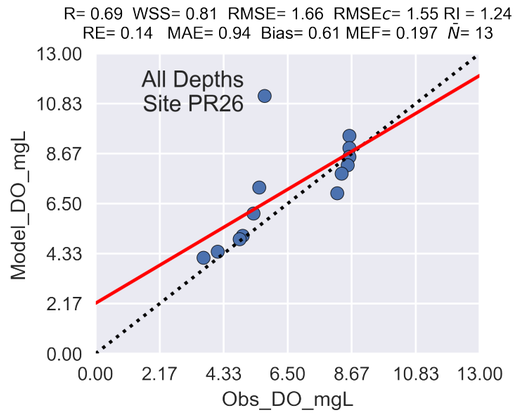
R= 1.0 WSS= 0.79 RMSE= 1.47 RMSE*c*= 1.24 RI = 1.29
RE= 0.24 MAE= 1.24 Bias= -0.79 MEF= 0.535 $\bar{N}$= 2

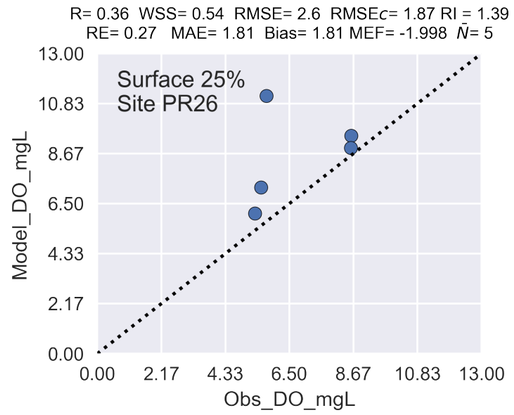

R= 0.63 WSS= 0.79 RMSE= 1.84 RMSEc= 1.83 RI = 1.27
RE= 0.18 MAE= 1.21 Bias= 0.24 MEF= 0.124 N̄= 13
All Depths
Site PR25
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

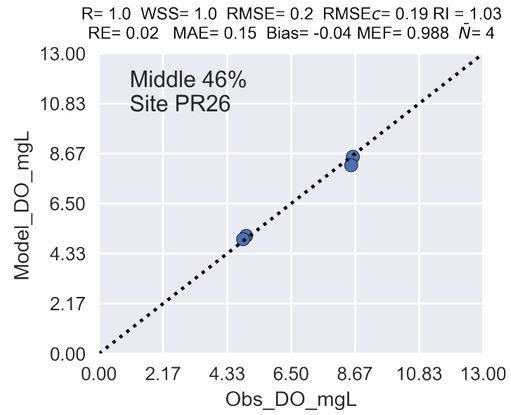

R= -0.04 WSS= 0.4 RMSE= 2.9 RMSEc= 1.97 RI = 1.43
RE= 0.3 MAE= 2.13 Bias= 2.13 MEF= -3.479 N̄= 4
Surface 25%
Site PR25
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

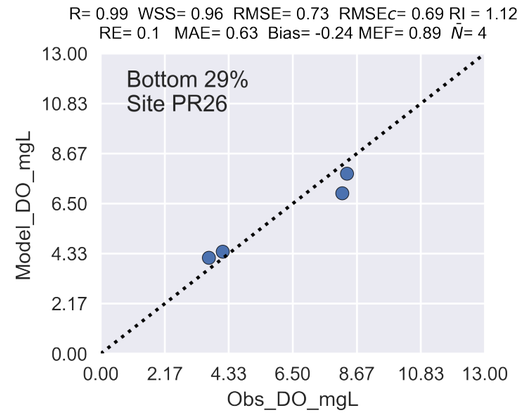

R= 0.93 WSS= 0.93 RMSE= 0.95 RMSEc= 0.78 RI = 1.14
RE= 0.1 MAE= 0.68 Bias= -0.54 MEF= 0.772 N̄= 7
Middle 46%
Site PR25
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

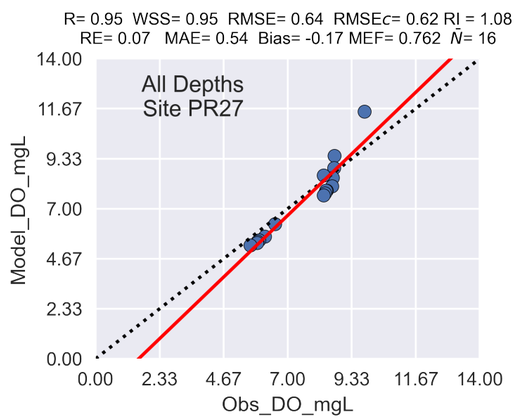

R= 1.0 WSS= 0.79 RMSE= 1.46 RMSEc= 1.22 RI = 1.28
RE= 0.24 MAE= 1.22 Bias= -0.79 MEF= 0.537 N̄= 2
Bottom 29%
Site PR25
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

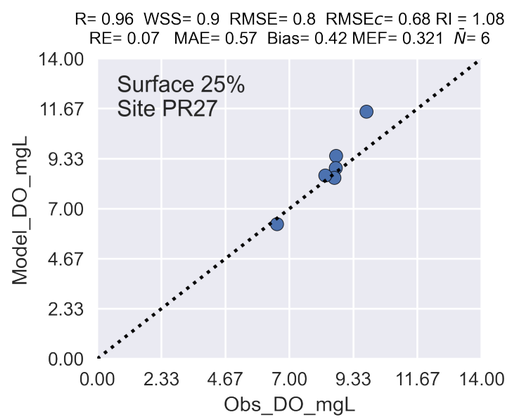

R= 0.69 WSS= 0.81 RMSE= 1.66 RMSEc= 1.55 RI = 1.24
RE= 0.14 MAE= 0.94 Bias= 0.61 MEF= 0.197 N̄= 13
All Depths
Site PR26
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

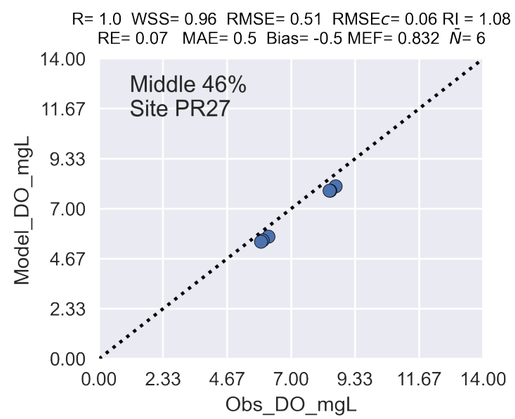

R= 0.36 WSS= 0.54 RMSE= 2.6 RMSEc= 1.87 RI = 1.39
RE= 0.27 MAE= 1.81 Bias= 1.81 MEF= -1.998 N̄= 5
Surface 25%
Site PR26
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

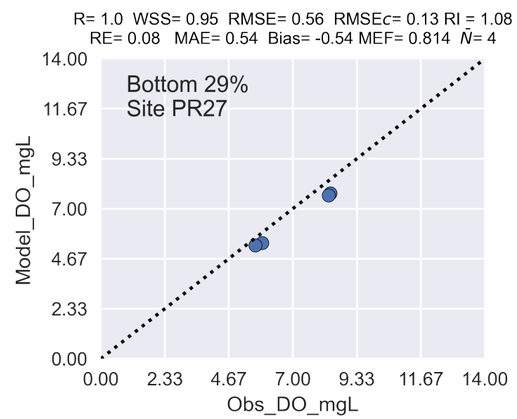

R= 1.0 WSS= 1.0 RMSE= 0.2 RMSEc= 0.19 RI = 1.03
RE= 0.02 MAE= 0.15 Bias= -0.04 MEF= 0.988 N̄= 4
Middle 46%
Site PR26
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

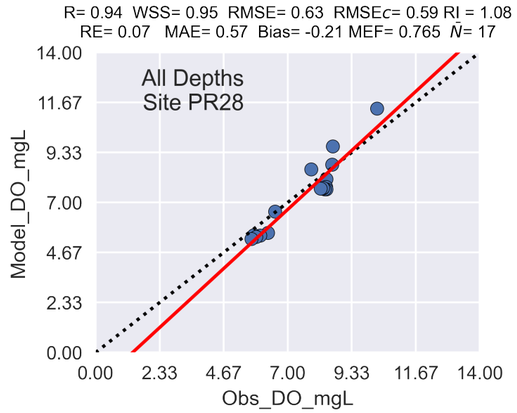

R= 0.99 WSS= 0.96 RMSE= 0.73 RMSEc= 0.69 RI = 1.12
RE= 0.1 MAE= 0.63 Bias= -0.24 MEF= 0.89 N̄= 4
Bottom 29%
Site PR26
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

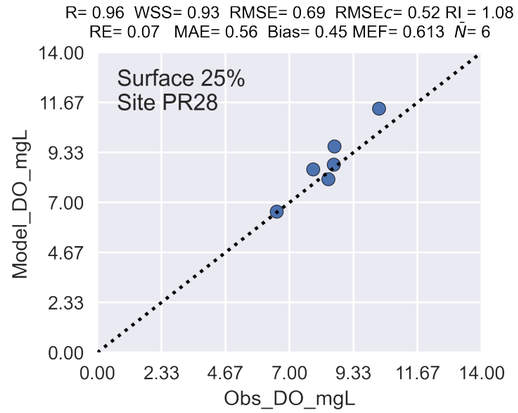

R= 0.95 WSS= 0.95 RMSE= 0.64 RMSEc= 0.62 RI = 1.08
RE= 0.07 MAE= 0.54 Bias= -0.17 MEF= 0.762 N̄= 16
All Depths
Site PR27
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

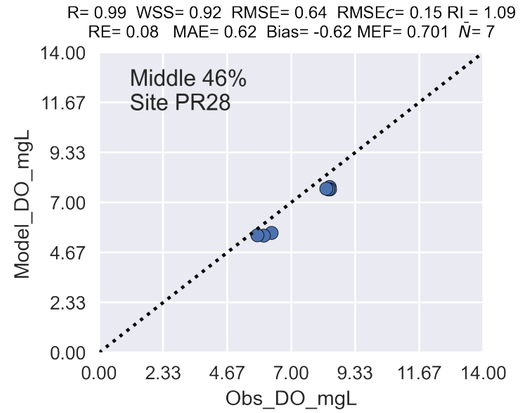

R= 0.96 WSS= 0.9 RMSE= 0.8 RMSEc= 0.68 RI = 1.08
RE= 0.07 MAE= 0.57 Bias= 0.42 MEF= 0.321 N̄= 6
Surface 25%
Site PR27
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

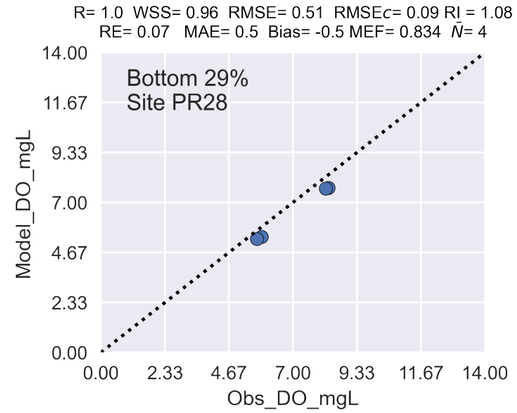

R= 1.0 WSS= 0.96 RMSE= 0.51 RMSEc= 0.06 RI = 1.08
RE= 0.07 MAE= 0.5 Bias= -0.5 MEF= 0.832 N̄= 6
Middle 46%
Site PR27
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

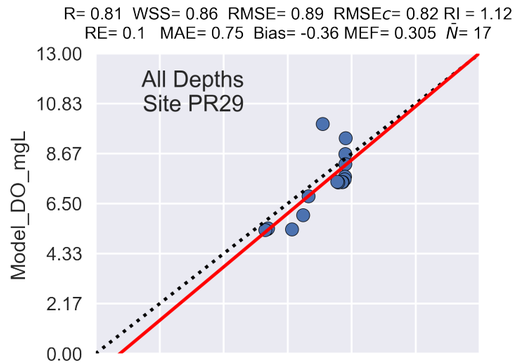

R= 1.0 WSS= 0.95 RMSE= 0.56 RMSEc= 0.13 RI = 1.08
RE= 0.08 MAE= 0.54 Bias= -0.54 MEF= 0.814 N̄= 4
Bottom 29%
Site PR27
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

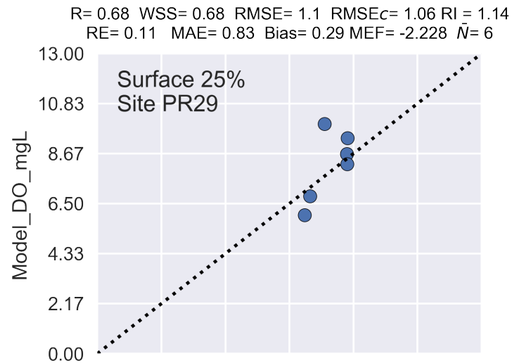

R= 0.94 WSS= 0.95 RMSE= 0.63 RMSEc= 0.59 RI = 1.08
RE= 0.07 MAE= 0.57 Bias= -0.21 MEF= 0.765 N̄= 17
All Depths
Site PR28
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

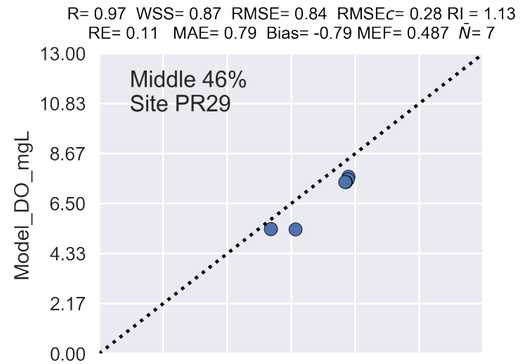

R= 0.96 WSS= 0.93 RMSE= 0.69 RMSEc= 0.52 RI = 1.08
RE= 0.07 MAE= 0.56 Bias= 0.45 MEF= 0.613 N̄= 6
Surface 25%
Site PR28
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

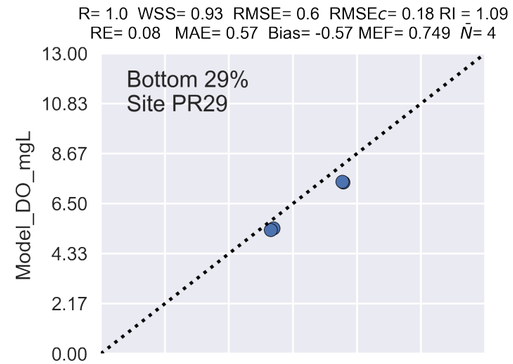

R= 0.99 WSS= 0.92 RMSE= 0.64 RMSEc= 0.15 RI = 1.09
RE= 0.08 MAE= 0.62 Bias= -0.62 MEF= 0.701 N̄= 7
Middle 46%
Site PR28
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

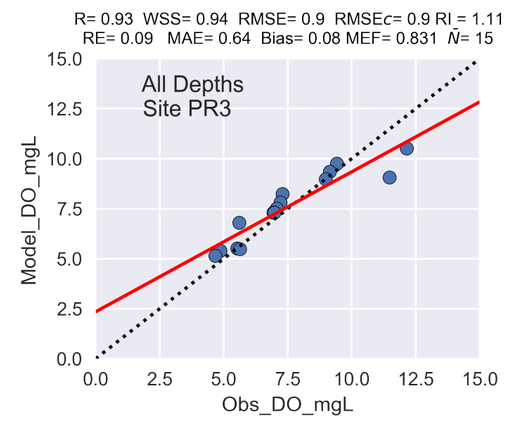

R= 1.0 WSS= 0.96 RMSE= 0.51 RMSEc= 0.09 RI = 1.08
RE= 0.07 MAE= 0.5 Bias= -0.5 MEF= 0.834 N̄= 4
Bottom 29%
Site PR28
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

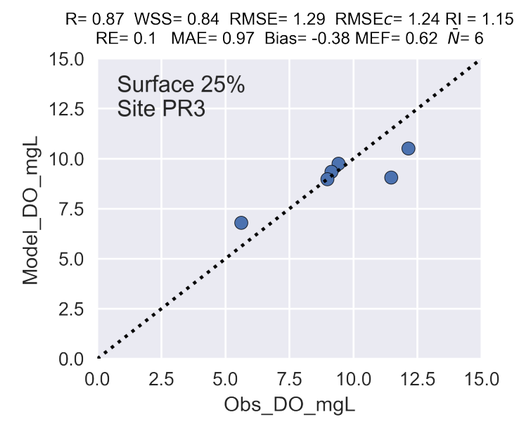

R= 0.81 WSS= 0.86 RMSE= 0.89 RMSEc= 0.82 RI = 1.12
RE= 0.1 MAE= 0.75 Bias= -0.36 MEF= 0.305 N̄= 17
All Depths
Site PR29
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

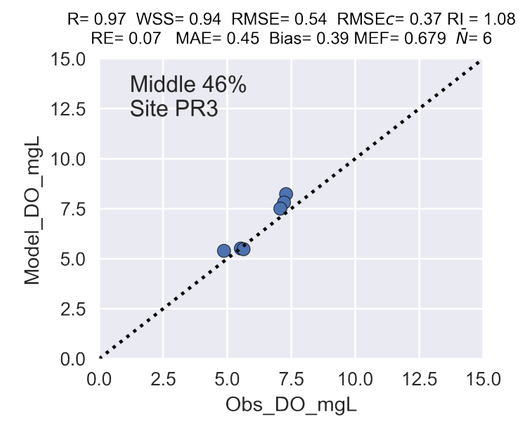

R= 0.68 WSS= 0.68 RMSE= 1.1 RMSEc= 1.06 RI = 1.14
RE= 0.11 MAE= 0.83 Bias= 0.29 MEF= -2.228 N̄= 6
Surface 25%
Site PR29
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

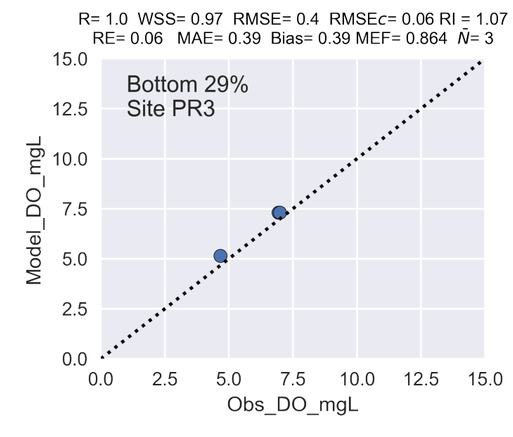

R= 0.97 WSS= 0.87 RMSE= 0.84 RMSEc= 0.28 RI = 1.13
RE= 0.11 MAE= 0.79 Bias= -0.79 MEF= 0.487 N̄= 7
Middle 46%
Site PR29
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

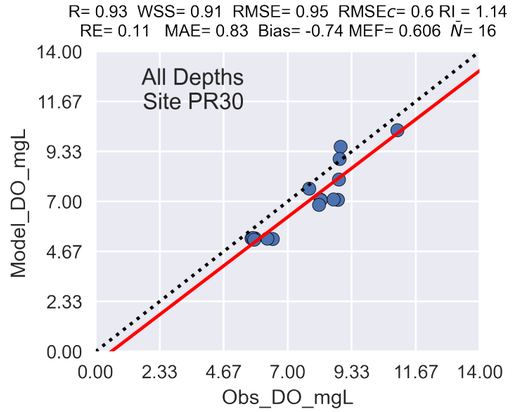

R= 1.0 WSS= 0.93 RMSE= 0.6 RMSEc= 0.18 RI = 1.09
RE= 0.08 MAE= 0.57 Bias= -0.57 MEF= 0.749 N̄= 4
Bottom 29%
Site PR29
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

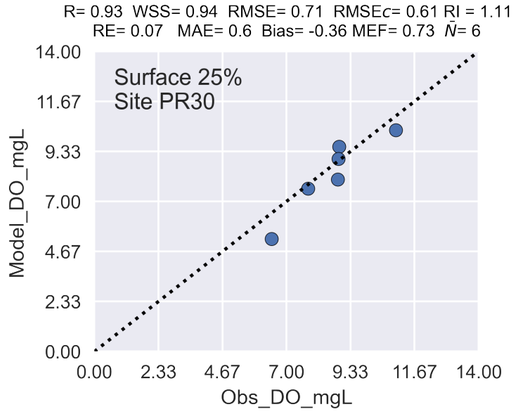

R= 0.93 WSS= 0.94 RMSE= 0.9 RMSEc= 0.9 RI = 1.11
RE= 0.09 MAE= 0.64 Bias= 0.08 MEF= 0.831 N̄= 15
All Depths
Site PR3
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

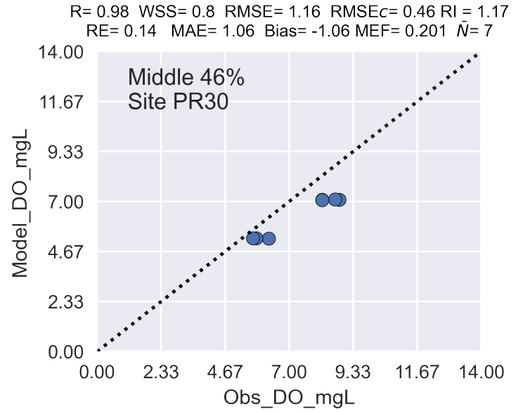

R= 0.87 WSS= 0.84 RMSE= 1.29 RMSEc= 1.24 RI = 1.15
RE= 0.1 MAE= 0.97 Bias= -0.38 MEF= 0.62 N̄= 6
Surface 25%
Site PR3
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

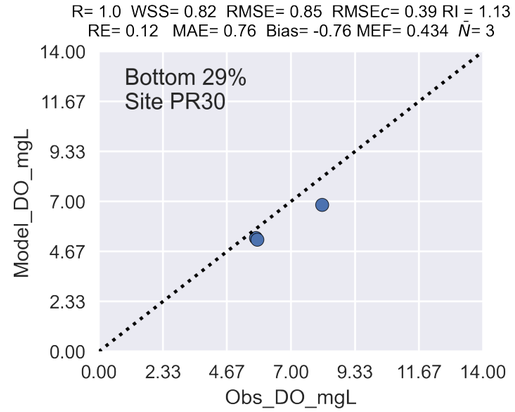

R= 0.97 WSS= 0.94 RMSE= 0.54 RMSEc= 0.37 RI = 1.08
RE= 0.07 MAE= 0.45 Bias= 0.39 MEF= 0.679 N̄= 6
Middle 46%
Site PR3
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

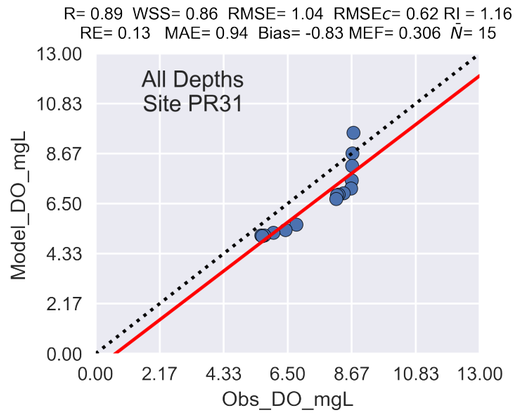

R= 1.0 WSS= 0.97 RMSE= 0.4 RMSEc= 0.06 RI = 1.07
RE= 0.06 MAE= 0.39 Bias= 0.39 MEF= 0.864 N̄= 3
Bottom 29%
Site PR3
Model_DO_mgL
Obs_DO_mgL
0.0
2.5
5.0
7.5
10.0
12.5
15.0

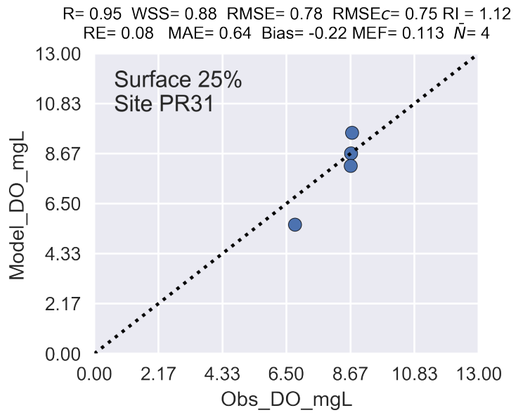

R= 0.93 WSS= 0.91 RMSE= 0.95 RMSEc= 0.6 RI = 1.14
RE= 0.11 MAE= 0.83 Bias= -0.74 MEF= 0.606 N̄= 16
All Depths
Site PR30
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

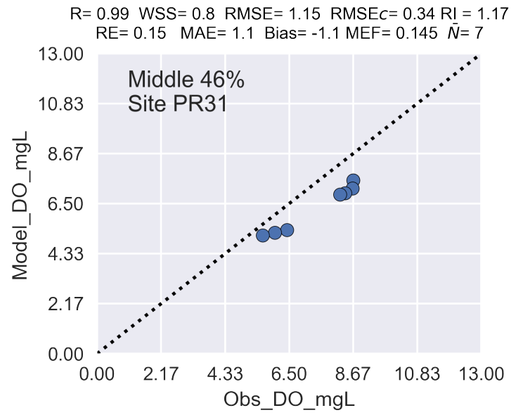

R= 0.93 WSS= 0.94 RMSE= 0.71 RMSEc= 0.61 RI = 1.11
RE= 0.07 MAE= 0.6 Bias= -0.36 MEF= 0.73 N̄= 6
Surface 25%
Site PR30
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

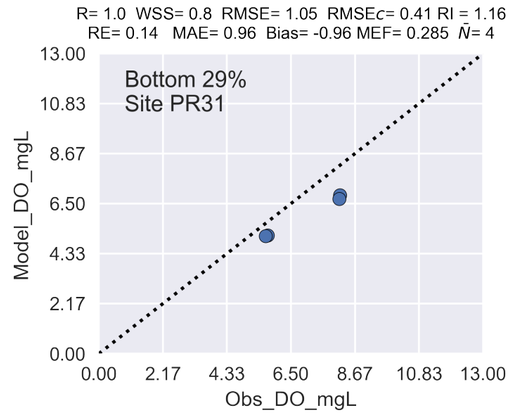

R= 0.98 WSS= 0.8 RMSE= 1.16 RMSEc= 0.46 RI = 1.17
RE= 0.14 MAE= 1.06 Bias= -1.06 MEF= 0.201 N̄= 7
Middle 46%
Site PR30
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

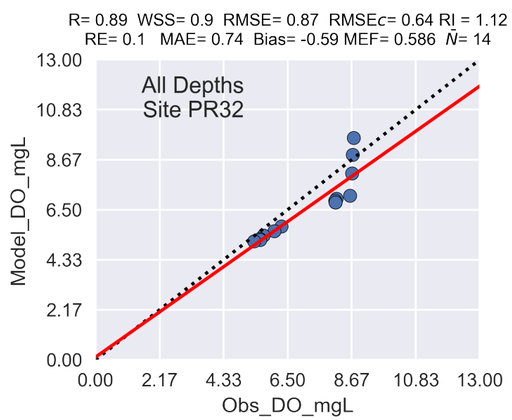

R= 1.0 WSS= 0.82 RMSE= 0.85 RMSEc= 0.39 RI = 1.13
RE= 0.12 MAE= 0.76 Bias= -0.76 MEF= 0.434 N̄= 3
Bottom 29%
Site PR30
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

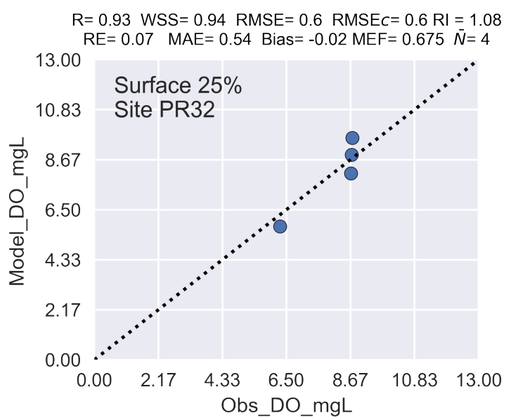

R= 0.89 WSS= 0.86 RMSE= 1.04 RMSEc= 0.62 RI = 1.16
RE= 0.13 MAE= 0.94 Bias= -0.83 MEF= 0.306 N̄= 15
All Depths
Site PR31
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

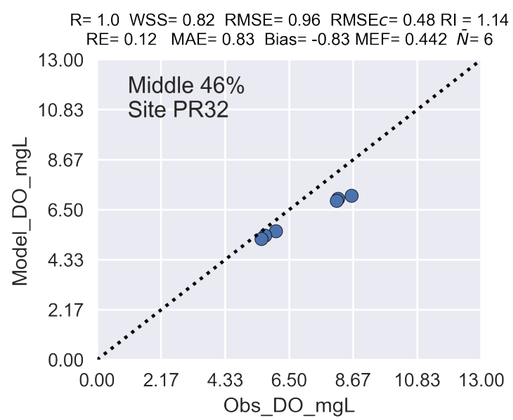

R= 0.95 WSS= 0.88 RMSE= 0.78 RMSEc= 0.75 RI = 1.12
RE= 0.08 MAE= 0.64 Bias= -0.22 MEF= 0.113 N̄= 4
Surface 25%
Site PR31
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

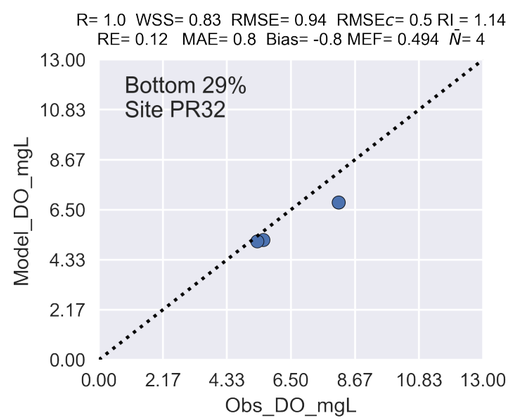

R= 0.99 WSS= 0.8 RMSE= 1.15 RMSEc= 0.34 RI = 1.17
RE= 0.15 MAE= 1.1 Bias= -1.1 MEF= 0.145 N̄= 7
Middle 46%
Site PR31
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

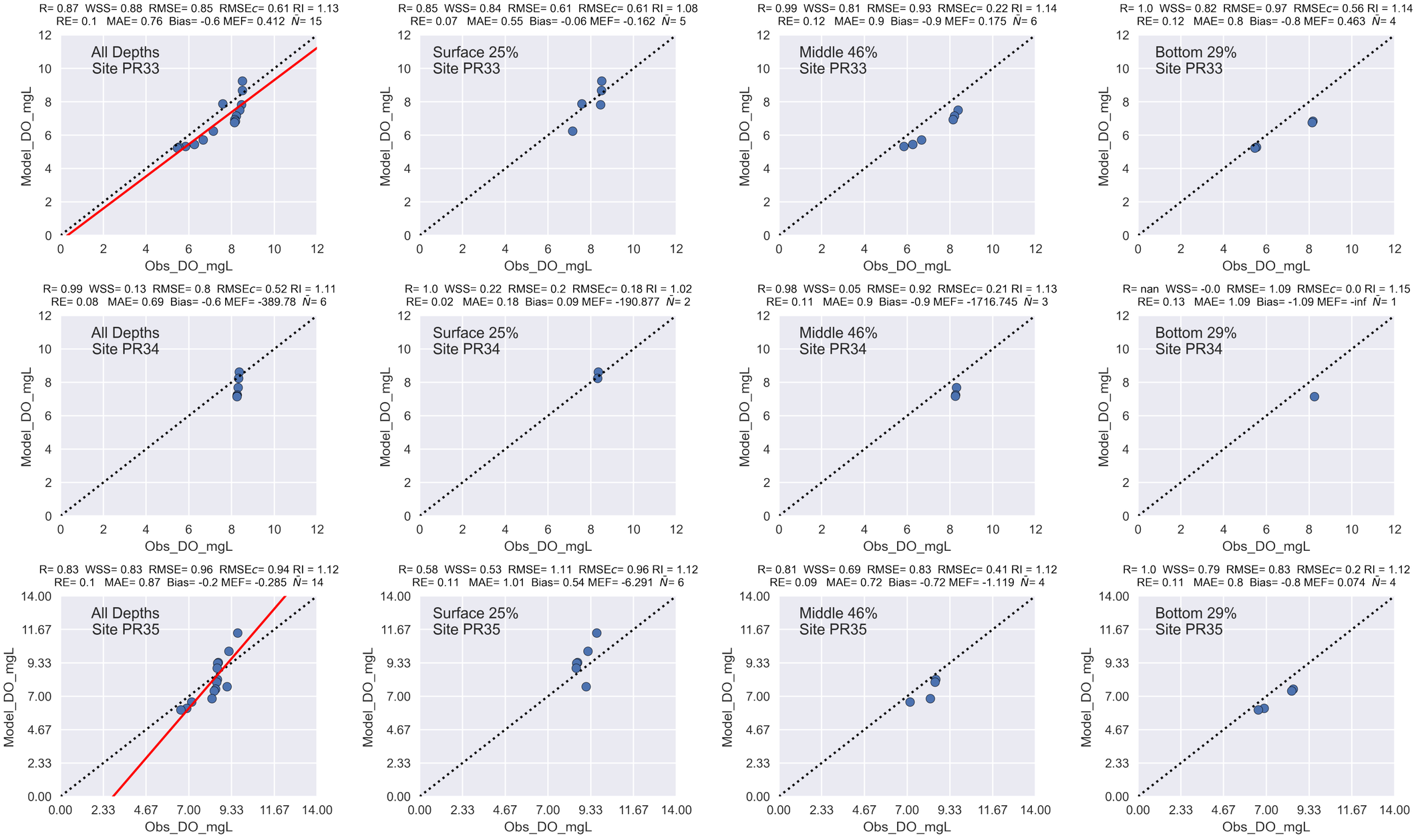

R= 1.0 WSS= 0.8 RMSE= 1.05 RMSEc= 0.41 RI = 1.16
RE= 0.14 MAE= 0.96 Bias= -0.96 MEF= 0.285 N̄= 4
Bottom 29%
Site PR31
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

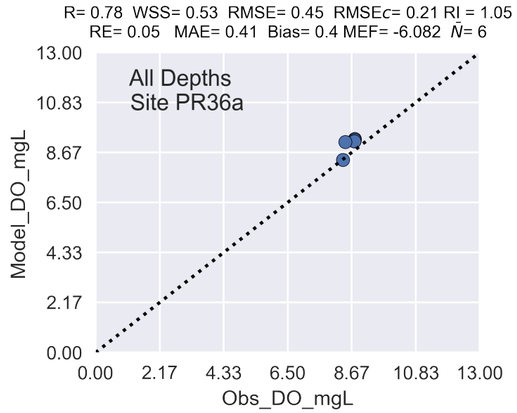

R= 0.89 WSS= 0.9 RMSE= 0.87 RMSEc= 0.64 RI = 1.12
RE= 0.1 MAE= 0.74 Bias= -0.59 MEF= 0.586 N̄= 14
All Depths
Site PR32
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

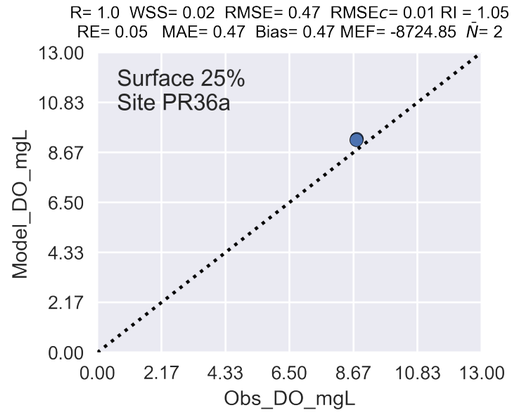

R= 0.93 WSS= 0.94 RMSE= 0.6 RMSEc= 0.6 RI = 1.08
RE= 0.07 MAE= 0.54 Bias= -0.02 MEF= 0.675 N̄= 4
Surface 25%
Site PR32
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

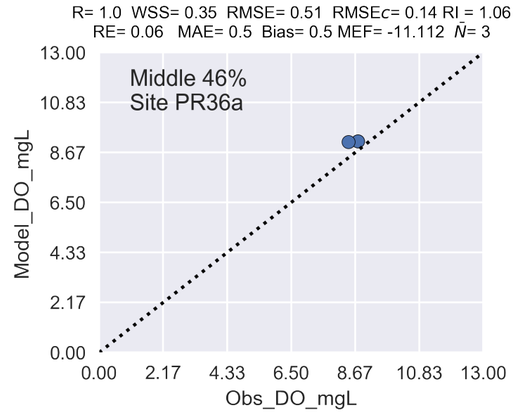

R= 1.0 WSS= 0.82 RMSE= 0.96 RMSEc= 0.48 RI = 1.14
RE= 0.12 MAE= 0.83 Bias= -0.83 MEF= 0.442 N̄= 6
Middle 46%
Site PR32
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

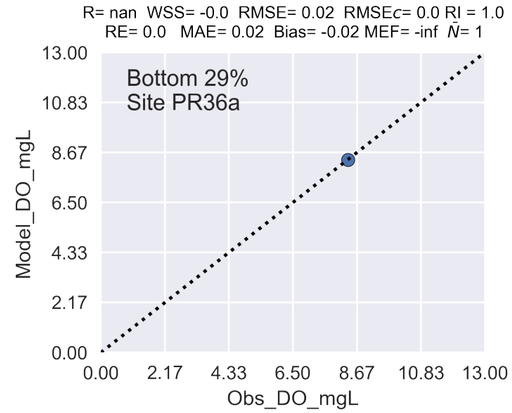

R= 1.0 WSS= 0.83 RMSE= 0.94 RMSEc= 0.5 RI = 1.14
RE= 0.12 MAE= 0.8 Bias= -0.8 MEF= 0.494 N̄= 4
Bottom 29%
Site PR32
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

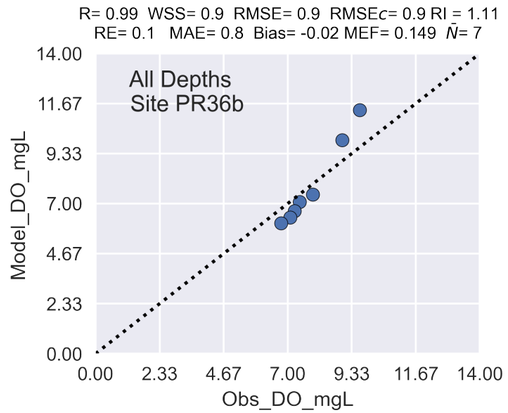

R= 0.87 WSS= 0.88 RMSE= 0.85 RMSEc= 0.61 RI = 1.13
RE= 0.1 MAE= 0.76 Bias= -0.6 MEF= 0.412 N̄= 15
All Depths
Site PR33
R= 0.85 WSS= 0.84 RMSE= 0.61 RMSEc= 0.61 RI = 1.08
RE= 0.07 MAE= 0.55 Bias= -0.06 MEF= -0.162 N̄= 5
Surface 25%
Site PR33
R= 0.99 WSS= 0.81 RMSE= 0.93 RMSEc= 0.22 RI = 1.14
RE= 0.12 MAE= 0.9 Bias= -0.9 MEF= 0.175 N̄= 6
Middle 46%
Site PR33
R= 1.0 WSS= 0.82 RMSE= 0.97 RMSEc= 0.56 RI = 1.14
RE= 0.12 MAE= 0.8 Bias= -0.8 MEF= 0.463 N̄= 4
Bottom 29%
Site PR33
R= 0.99 WSS= 0.13 RMSE= 0.8 RMSEc= 0.52 RI = 1.11
RE= 0.08 MAE= 0.69 Bias= -0.6 MEF= -389.78 N̄= 6
All Depths
Site PR34
R= 1.0 WSS= 0.22 RMSE= 0.2 RMSEc= 0.18 RI = 1.02
RE= 0.02 MAE= 0.18 Bias= 0.09 MEF= -190.877 N̄= 2
Surface 25%
Site PR34
R= 0.98 WSS= 0.05 RMSE= 0.92 RMSEc= 0.21 RI = 1.13
RE= 0.11 MAE= 0.9 Bias= -0.9 MEF= -1716.745 N̄= 3
Middle 46%
Site PR34
R= nan WSS= -0.0 RMSE= 1.09 RMSEc= 0.0 RI = 1.15
RE= 0.13 MAE= 1.09 Bias= -1.09 MEF= -inf N̄= 1
Bottom 29%
Site PR34
R= 0.83 WSS= 0.83 RMSE= 0.96 RMSEc= 0.94 RI = 1.12
RE= 0.1 MAE= 0.87 Bias= -0.2 MEF= -0.285 N̄= 14
All Depths
Site PR35
R= 0.58 WSS= 0.53 RMSE= 1.11 RMSEc= 0.96 RI = 1.12
RE= 0.11 MAE= 1.01 Bias= 0.54 MEF= -6.291 N̄= 6
Surface 25%
Site PR35
R= 0.81 WSS= 0.69 RMSE= 0.83 RMSEc= 0.41 RI = 1.12
RE= 0.09 MAE= 0.72 Bias= -0.72 MEF= -1.119 N̄= 4
Middle 46%
Site PR35
R= 1.0 WSS= 0.79 RMSE= 0.83 RMSEc= 0.2 RI = 1.12
RE= 0.11 MAE= 0.8 Bias= -0.8 MEF= 0.074 N̄= 4
Bottom 29%
Site PR35
Model_DO_mgL
Obs_DO_mgL

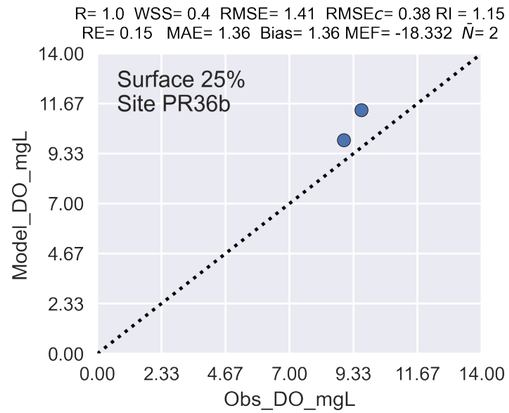

R= 0.78 WSS= 0.53 RMSE= 0.45 RMSEc= 0.21 RI = 1.05
RE= 0.05 MAE= 0.41 Bias= 0.4 MEF= -6.082 N̄= 6
All Depths
Site PR36a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

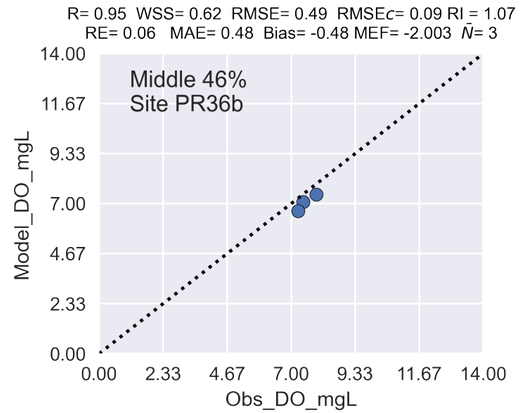

R= 1.0 WSS= 0.02 RMSE= 0.47 RMSEc= 0.01 RI = 1.05
RE= 0.05 MAE= 0.47 Bias= 0.47 MEF= -8724.85 N̄= 2
Surface 25%
Site PR36a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

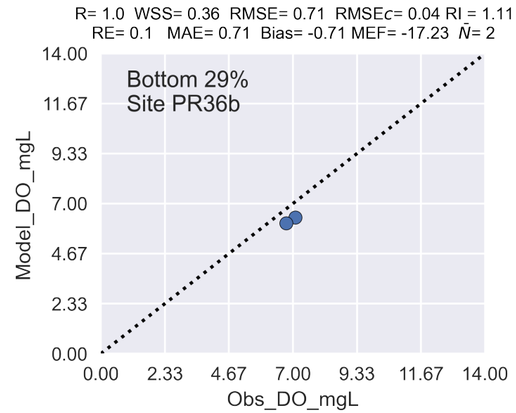

R= 1.0 WSS= 0.35 RMSE= 0.51 RMSEc= 0.14 RI = 1.06
RE= 0.06 MAE= 0.5 Bias= 0.5 MEF= -11.112 N̄= 3
Middle 46%
Site PR36a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

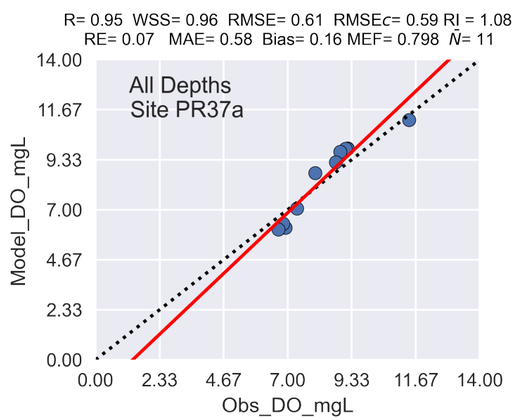

R= nan WSS= -0.0 RMSE= 0.02 RMSEc= 0.0 RI = 1.0
RE= 0.0 MAE= 0.02 Bias= -0.02 MEF= -inf N̄= 1
Bottom 29%
Site PR36a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

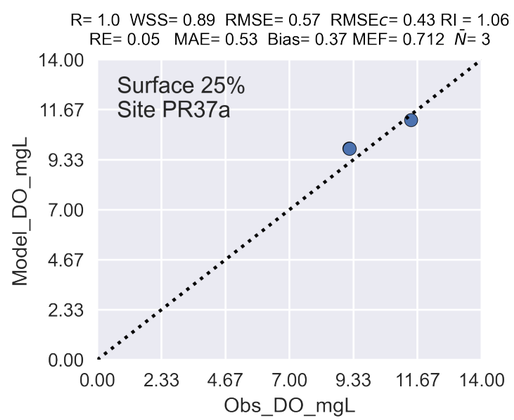

R= 0.99 WSS= 0.9 RMSE= 0.9 RMSEc= 0.9 RI = 1.11
RE= 0.1 MAE= 0.8 Bias= -0.02 MEF= 0.149 N̄= 7
All Depths
Site PR36b
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

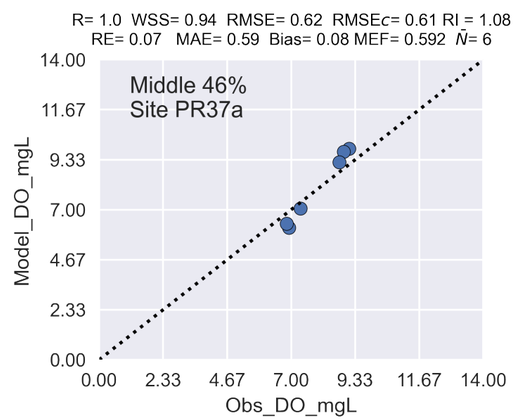

R= 1.0 WSS= 0.4 RMSE= 1.41 RMSEc= 0.38 RI = 1.15
RE= 0.15 MAE= 1.36 Bias= 1.36 MEF= -18.332 N̄= 2
Surface 25%
Site PR36b
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

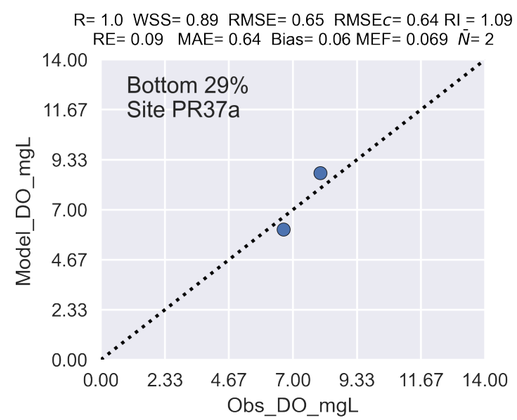

R= 0.95 WSS= 0.62 RMSE= 0.49 RMSEc= 0.09 RI = 1.07
RE= 0.06 MAE= 0.48 Bias= -0.48 MEF= -2.003 N̄= 3
Middle 46%
Site PR36b
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

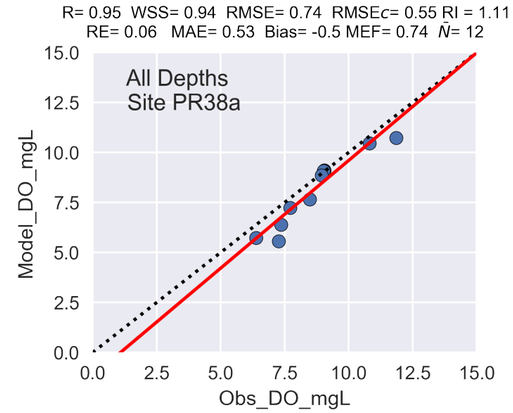

R= 1.0 WSS= 0.36 RMSE= 0.71 RMSEc= 0.04 RI = 1.11
RE= 0.1 MAE= 0.71 Bias= -0.71 MEF= -17.23 N̄= 2
Bottom 29%
Site PR36b
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00


R= 0.95 WSS= 0.96 RMSE= 0.61 RMSEc= 0.59 RI = 1.08
RE= 0.07 MAE= 0.58 Bias= 0.16 MEF= 0.798 N̄= 11
All Depths
Site PR37a
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

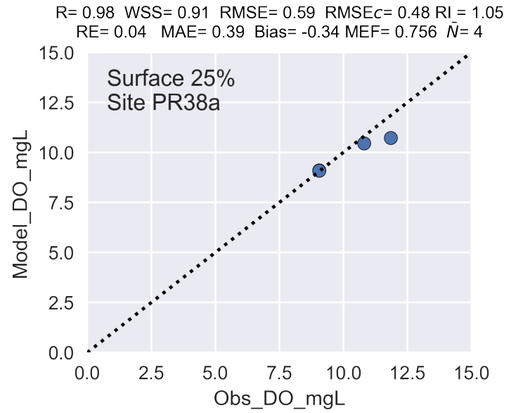

R= 1.0 WSS= 0.89 RMSE= 0.57 RMSEc= 0.43 RI = 1.06
RE= 0.05 MAE= 0.53 Bias= 0.37 MEF= 0.712 N̄= 3
Surface 25%
Site PR37a
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00


R= 1.0 WSS= 0.94 RMSE= 0.62 RMSEc= 0.61 RI = 1.08
RE= 0.07 MAE= 0.59 Bias= 0.08 MEF= 0.592 N̄= 6
Middle 46%
Site PR37a
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

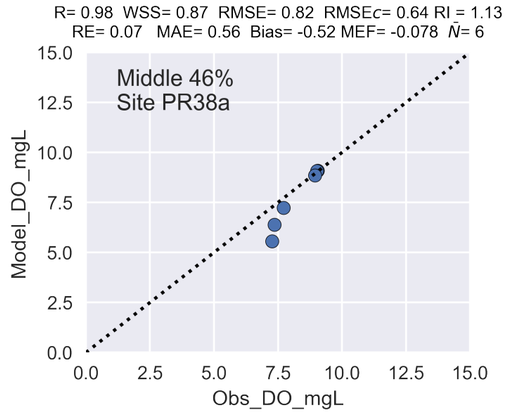

R= 1.0 WSS= 0.89 RMSE= 0.65 RMSEc= 0.64 RI = 1.09
RE= 0.09 MAE= 0.64 Bias= 0.06 MEF= 0.069 N̄= 2
Bottom 29%
Site PR37a
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00



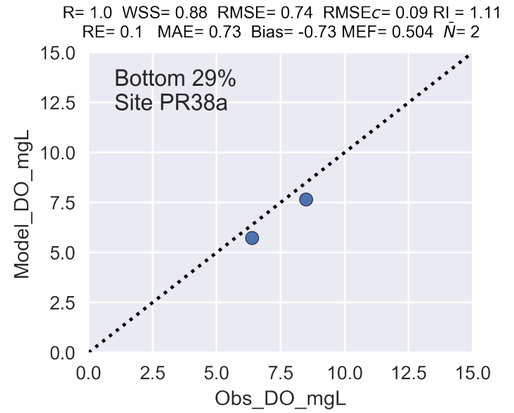
R= 0.95 WSS= 0.94 RMSE= 0.74 RMSE*c*= 0.55 RI = 1.11
RE= 0.06 MAE= 0.53 Bias= -0.5 MEF= 0.74 $\bar{N}$= 12



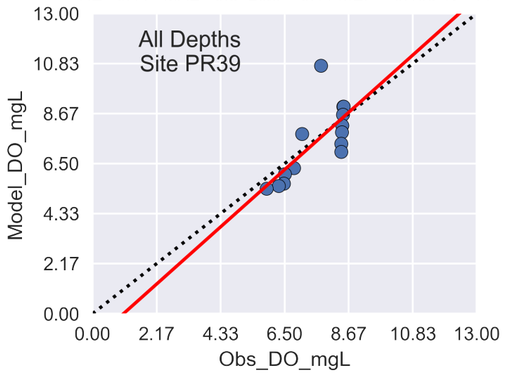
R= 0.98 WSS= 0.91 RMSE= 0.59 RMSE*c*= 0.48 RI = 1.05
RE= 0.04 MAE= 0.39 Bias= -0.34 MEF= 0.756 $\bar{N}$= 4



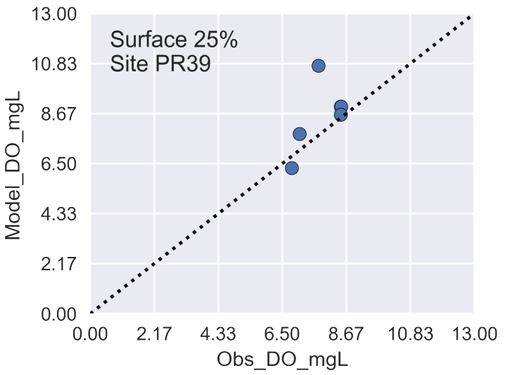
R= 0.98 WSS= 0.87 RMSE= 0.82 RMSE*c*= 0.64 RI = 1.13
RE= 0.07 MAE= 0.56 Bias= -0.52 MEF= -0.078 $\bar{N}$= 6



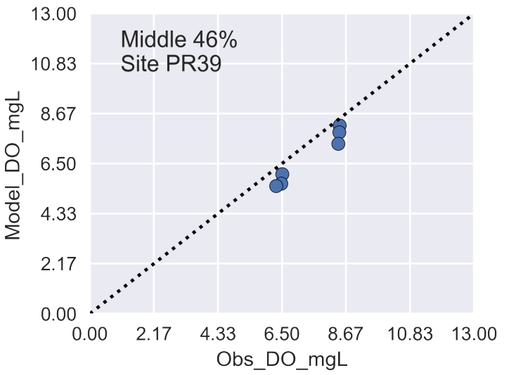
R= 1.0 WSS= 0.88 RMSE= 0.74 RMSE*c*= 0.09 RI = 1.11
RE= 0.1 MAE= 0.73 Bias= -0.73 MEF= 0.504 $\bar{N}$= 2



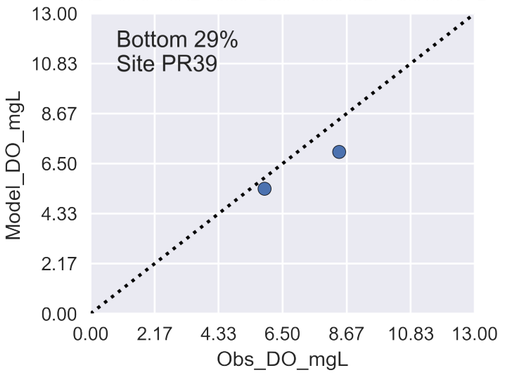
R= 0.73 WSS= 0.8 RMSE= 1.05 RMSE*c*= 1.05 RI = 1.14
RE= 0.11 MAE= 0.8 Bias= -0.11 MEF= -0.193 $\bar{N}$= 14



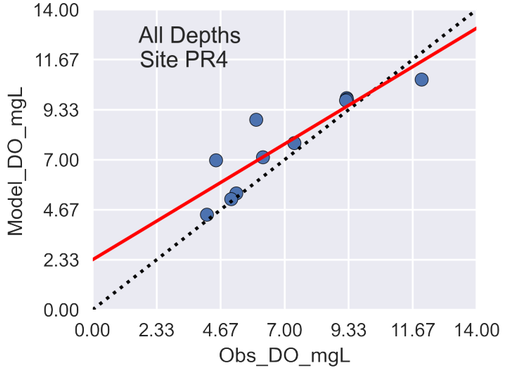
R= 0.58 WSS= 0.58 RMSE= 1.31 RMSE*c*= 1.1 RI = 1.16
RE= 0.11 MAE= 0.89 Bias= 0.72 MEF= -2.599 $\bar{N}$= 6



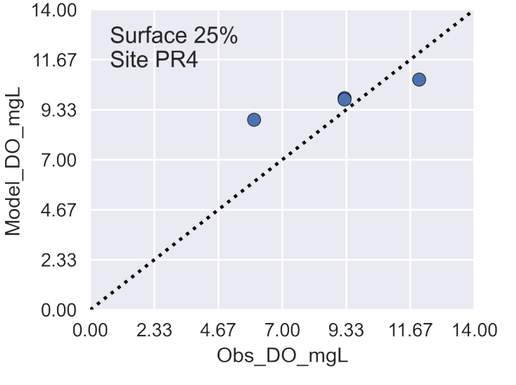
R= 0.97 WSS= 0.89 RMSE= 0.71 RMSE*c*= 0.25 RI = 1.11
RE= 0.09 MAE= 0.67 Bias= -0.67 MEF= 0.501 $\bar{N}$= 6



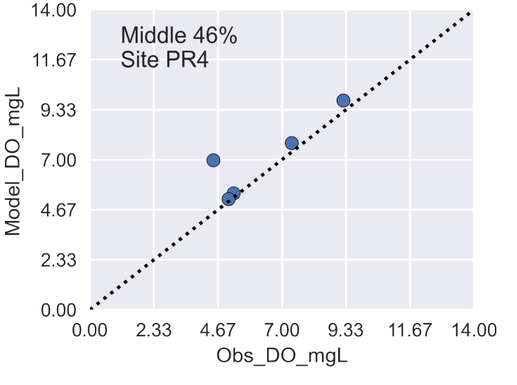
R= 1.0 WSS= 0.8 RMSE= 1.04 RMSE*c*= 0.47 RI = 1.15
RE= 0.13 MAE= 0.93 Bias= -0.93 MEF= 0.315 $\bar{N}$= 2



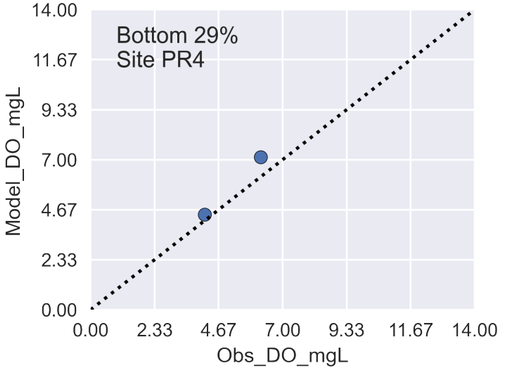
R= 0.89 WSS= 0.92 RMSE= 1.29 RMSE*c*= 1.07 RI = 1.21
RE= 0.13 MAE= 0.94 Bias= 0.71 MEF= 0.711 $\bar{N}$= 11



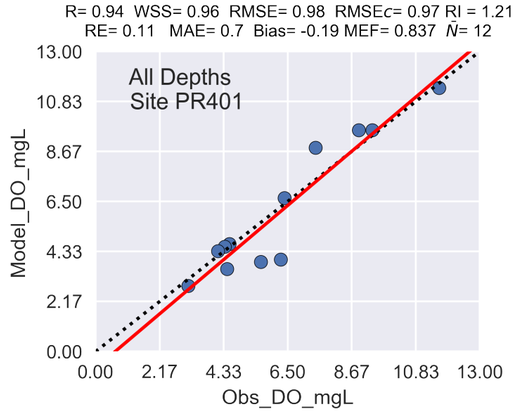
R= 1.0 WSS= 0.68 RMSE= 1.63 RMSE*c*= 1.47 RI = 1.23
RE= 0.15 MAE= 1.33 Bias= 0.71 MEF= 0.415 $\bar{N}$= 4

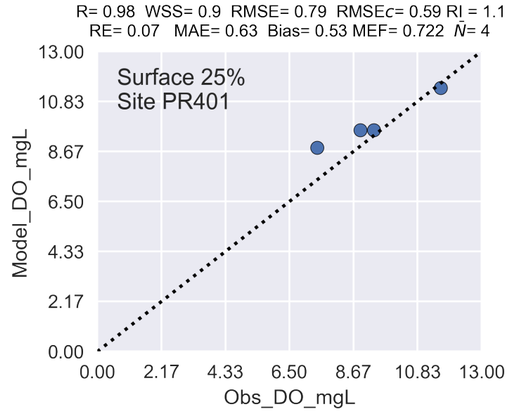


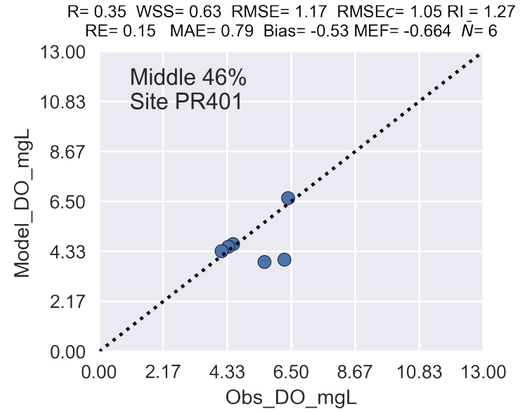
R= 0.87 WSS= 0.9 RMSE= 1.15 RMSE*c*= 0.87 RI = 1.22
RE= 0.12 MAE= 0.75 Bias= 0.75 MEF= 0.575 $\bar{N}$= 5

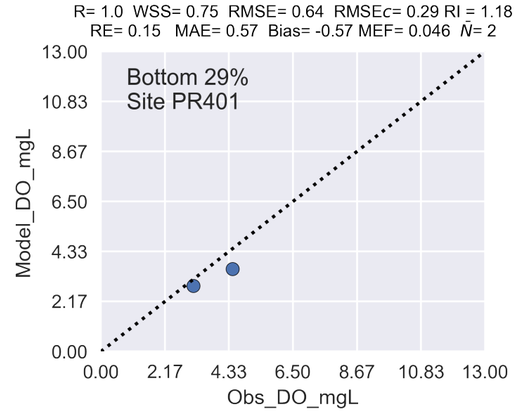


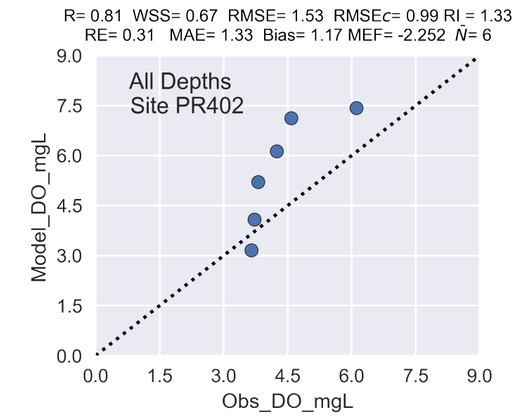
R= 1.0 WSS= 0.92 RMSE= 0.69 RMSE*c*= 0.32 RI = 1.12
RE= 0.12 MAE= 0.61 Bias= 0.61 MEF= 0.549 $\bar{N}$= 2

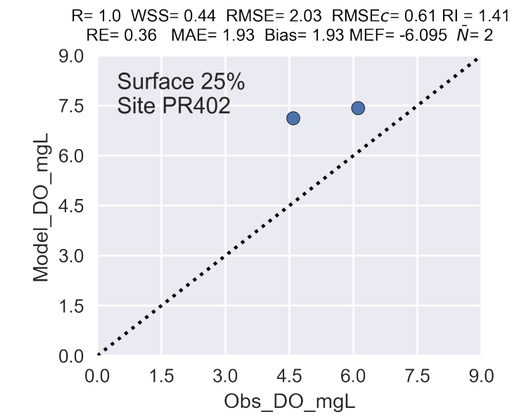

R= 0.94 WSS= 0.96 RMSE= 0.98 RMSEc= 0.97 RI = 1.21
RE= 0.11 MAE= 0.7 Bias= -0.19 MEF= 0.837 N̄= 12
All Depths
Site PR401
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

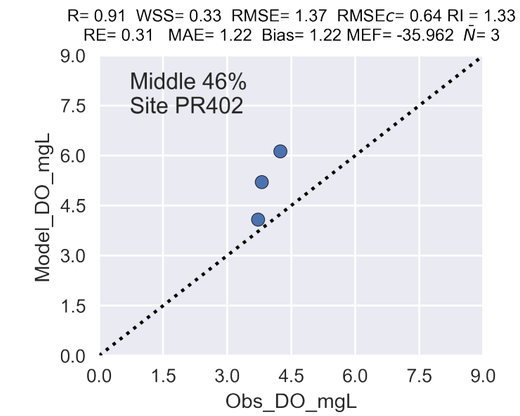

R= 0.98 WSS= 0.9 RMSE= 0.79 RMSEc= 0.59 RI = 1.1
RE= 0.07 MAE= 0.63 Bias= 0.53 MEF= 0.722 N̄= 4
Surface 25%
Site PR401
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

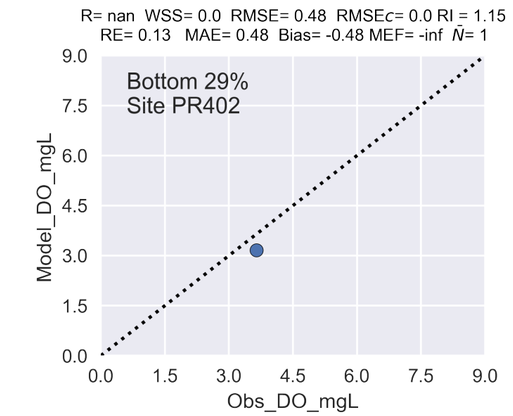

R= 0.35 WSS= 0.63 RMSE= 1.17 RMSEc= 1.05 RI = 1.27
RE= 0.15 MAE= 0.79 Bias= -0.53 MEF= -0.664 N̄= 6
Middle 46%
Site PR401
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

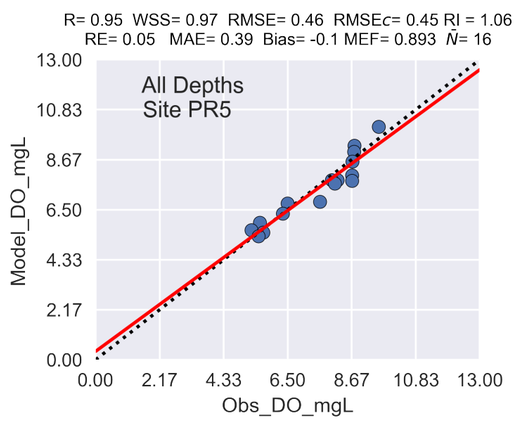

R= 1.0 WSS= 0.75 RMSE= 0.64 RMSEc= 0.29 RI = 1.18
RE= 0.15 MAE= 0.57 Bias= -0.57 MEF= 0.046 N̄= 2
Bottom 29%
Site PR401
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

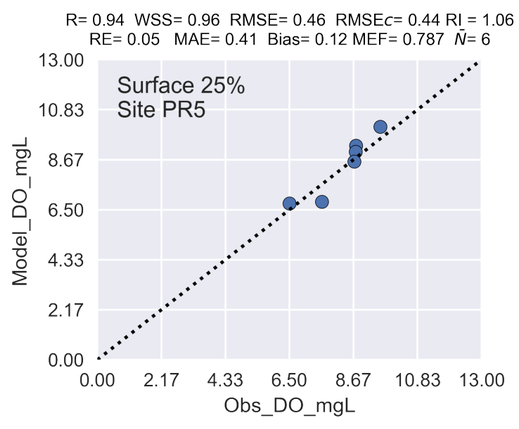

R= 0.81 WSS= 0.67 RMSE= 1.53 RMSEc= 0.99 RI = 1.33
RE= 0.31 MAE= 1.33 Bias= 1.17 MEF= -2.252 N̄= 6
All Depths
Site PR402
Model_DO_mgL
Obs_DO_mgL
0.0
1.5
3.0
4.5
6.0
7.5
9.0

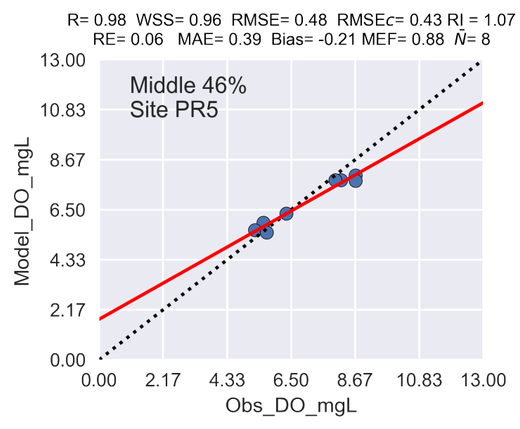

R= 1.0 WSS= 0.44 RMSE= 2.03 RMSEc= 0.61 RI = 1.41
RE= 0.36 MAE= 1.93 Bias= 1.93 MEF= -6.095 N̄= 2
Surface 25%
Site PR402
Model_DO_mgL
Obs_DO_mgL
0.0
1.5
3.0
4.5
6.0
7.5
9.0

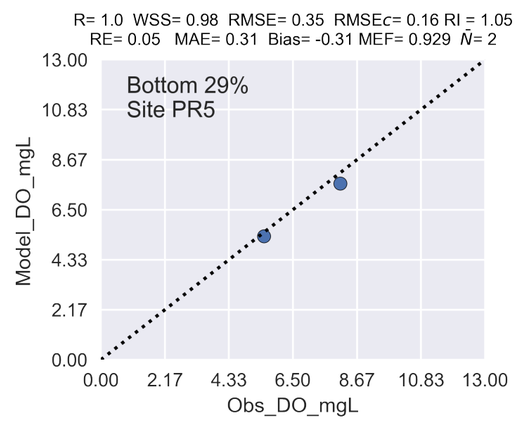

R= 0.91 WSS= 0.33 RMSE= 1.37 RMSEc= 0.64 RI = 1.33
RE= 0.31 MAE= 1.22 Bias= 1.22 MEF= -35.962 N̄= 3
Middle 46%
Site PR402
Model_DO_mgL
Obs_DO_mgL
0.0
1.5
3.0
4.5
6.0
7.5
9.0

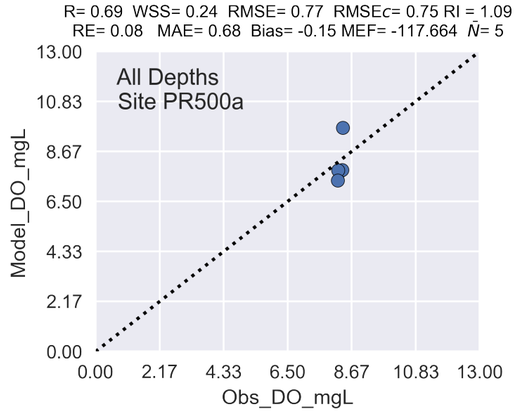

R= nan WSS= 0.0 RMSE= 0.48 RMSEc= 0.0 RI = 1.15
RE= 0.13 MAE= 0.48 Bias= -0.48 MEF= -inf N̄= 1
Bottom 29%
Site PR402
Model_DO_mgL
Obs_DO_mgL
0.0
1.5
3.0
4.5
6.0
7.5
9.0

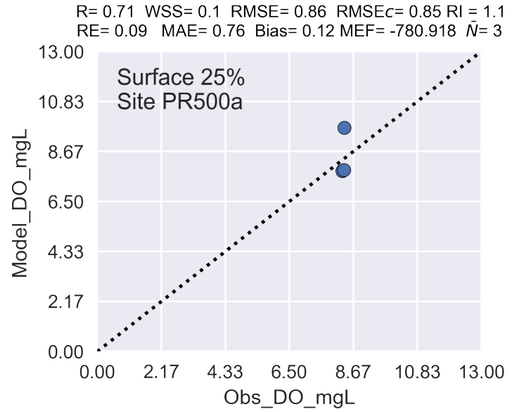

R= 0.95 WSS= 0.97 RMSE= 0.46 RMSEc= 0.45 RI = 1.06
RE= 0.05 MAE= 0.39 Bias= -0.1 MEF= 0.893 N̄= 16
All Depths
Site PR5
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

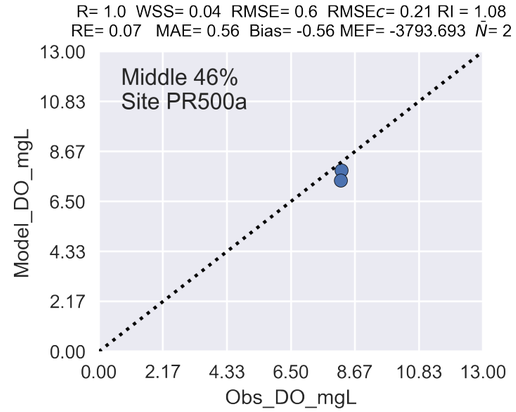

R= 0.94 WSS= 0.96 RMSE= 0.46 RMSEc= 0.44 RI = 1.06
RE= 0.05 MAE= 0.41 Bias= 0.12 MEF= 0.787 N̄= 6
Surface 25%
Site PR5
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

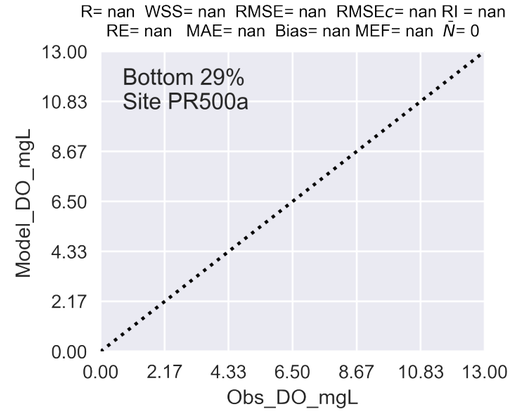

R= 0.98 WSS= 0.96 RMSE= 0.48 RMSEc= 0.43 RI = 1.07
RE= 0.06 MAE= 0.39 Bias= -0.21 MEF= 0.88 N̄= 8
Middle 46%
Site PR5
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

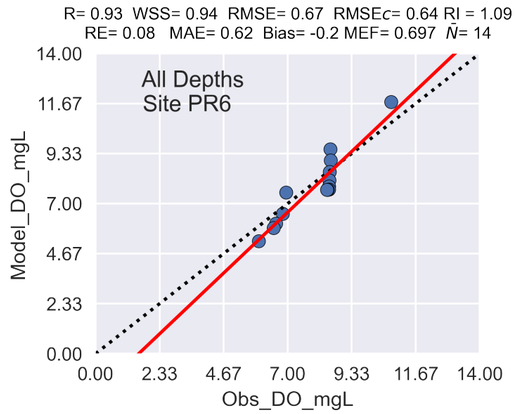

R= 1.0 WSS= 0.98 RMSE= 0.35 RMSEc= 0.16 RI = 1.05
RE= 0.05 MAE= 0.31 Bias= -0.31 MEF= 0.929 N̄= 2
Bottom 29%
Site PR5
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

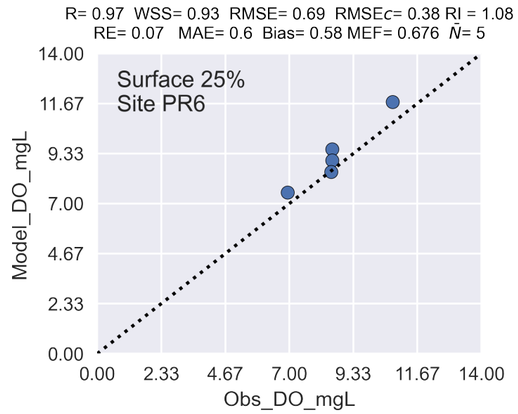

R= 0.69 WSS= 0.24 RMSE= 0.77 RMSEc= 0.75 RI = 1.09
RE= 0.08 MAE= 0.68 Bias= -0.15 MEF= -117.664 N̄= 5
All Depths
Site PR500a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

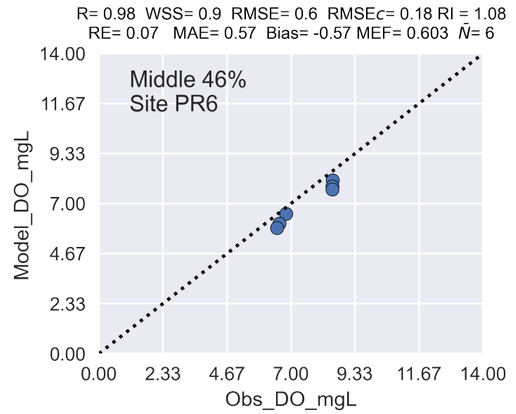

R= 0.71 WSS= 0.1 RMSE= 0.86 RMSEc= 0.85 RI = 1.1
RE= 0.09 MAE= 0.76 Bias= 0.12 MEF= -780.918 N̄= 3
Surface 25%
Site PR500a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

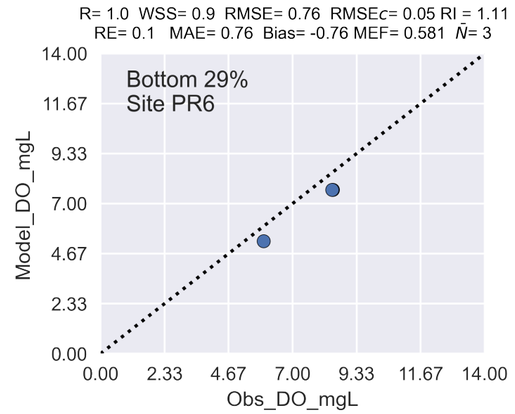

R= 1.0 WSS= 0.04 RMSE= 0.6 RMSEc= 0.21 RI = 1.08
RE= 0.07 MAE= 0.56 Bias= -0.56 MEF= -3793.693 N̄= 2
Middle 46%
Site PR500a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

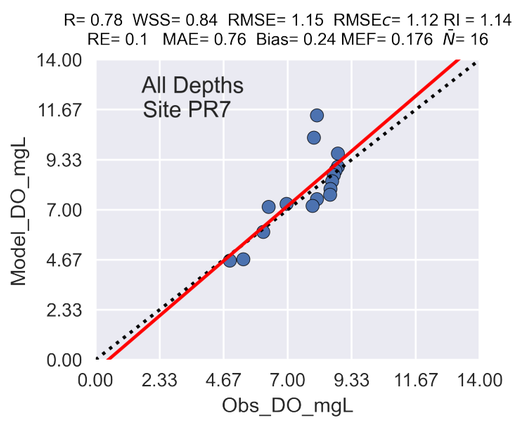

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site PR500a
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

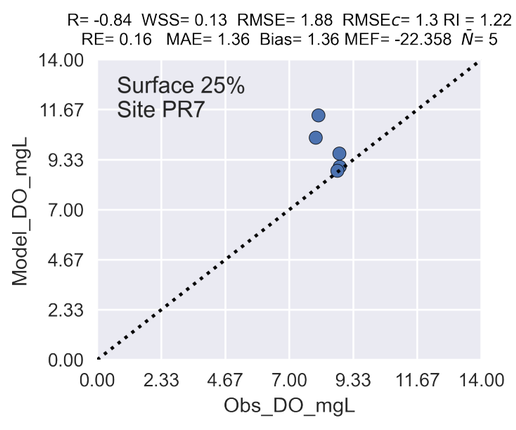

R= 0.93 WSS= 0.94 RMSE= 0.67 RMSEc= 0.64 RI = 1.09
RE= 0.08 MAE= 0.62 Bias= -0.2 MEF= 0.697 N̄= 14
All Depths
Site PR6
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

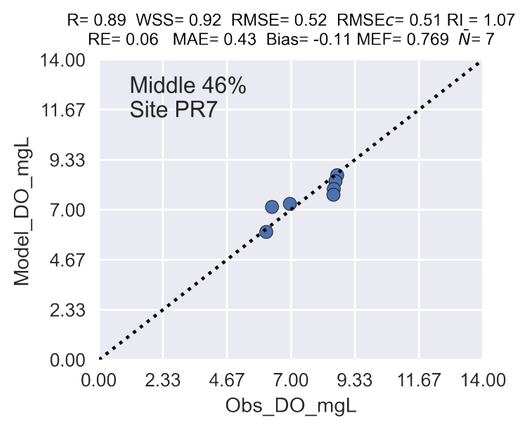

R= 0.97 WSS= 0.93 RMSE= 0.69 RMSEc= 0.38 RI = 1.08
RE= 0.07 MAE= 0.6 Bias= 0.58 MEF= 0.676 N̄= 5
Surface 25%
Site PR6
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

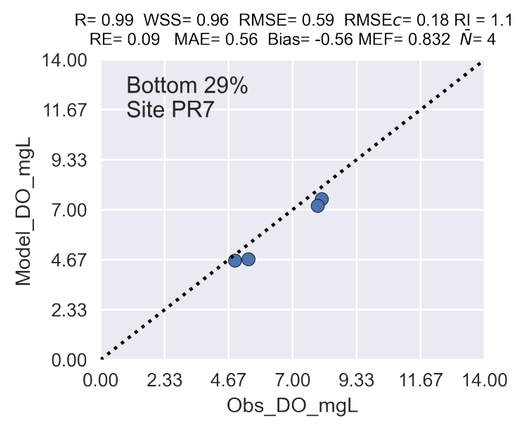

R= 0.98 WSS= 0.9 RMSE= 0.6 RMSEc= 0.18 RI = 1.08
RE= 0.07 MAE= 0.57 Bias= -0.57 MEF= 0.603 N̄= 6
Middle 46%
Site PR6
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

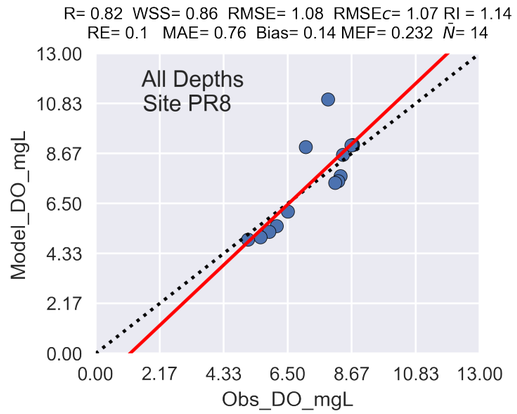

R= 1.0 WSS= 0.9 RMSE= 0.76 RMSEc= 0.05 RI = 1.11
RE= 0.1 MAE= 0.76 Bias= -0.76 MEF= 0.581 N̄= 3
Bottom 29%
Site PR6
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

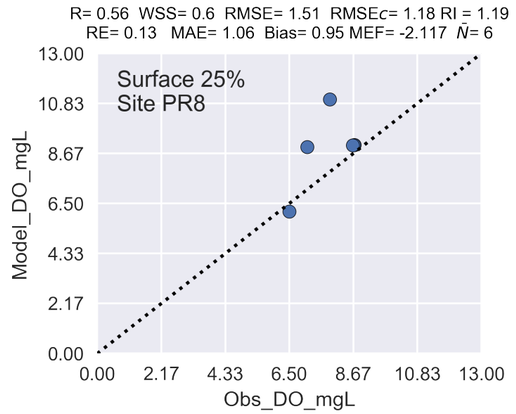

R= 0.78 WSS= 0.84 RMSE= 1.15 RMSEc= 1.12 RI = 1.14
RE= 0.1 MAE= 0.76 Bias= 0.24 MEF= 0.176 N̄= 16
All Depths
Site PR7
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

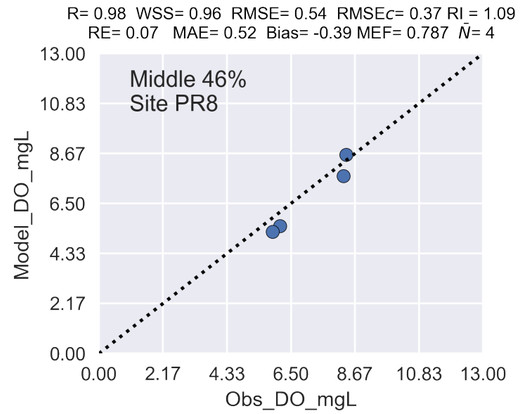

R= -0.84 WSS= 0.13 RMSE= 1.88 RMSEc= 1.3 RI = 1.22
RE= 0.16 MAE= 1.36 Bias= 1.36 MEF= -22.358 N̄= 5
Surface 25%
Site PR7
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

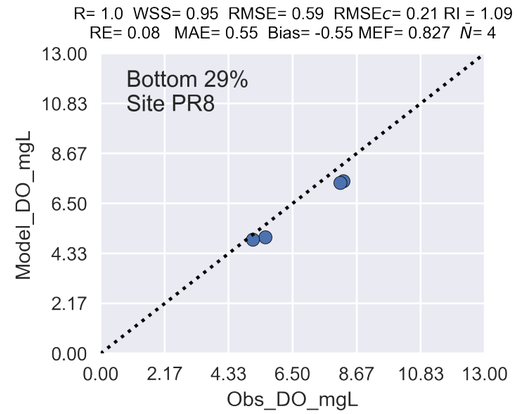

R= 0.89 WSS= 0.92 RMSE= 0.52 RMSEc= 0.51 RI = 1.07
RE= 0.06 MAE= 0.43 Bias= -0.11 MEF= 0.769 N̄= 7
Middle 46%
Site PR7
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

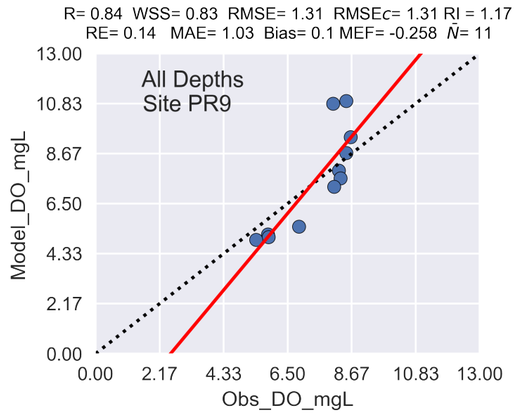

R= 0.99 WSS= 0.96 RMSE= 0.59 RMSEc= 0.18 RI = 1.1
RE= 0.09 MAE= 0.56 Bias= -0.56 MEF= 0.832 N̄= 4
Bottom 29%
Site PR7
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

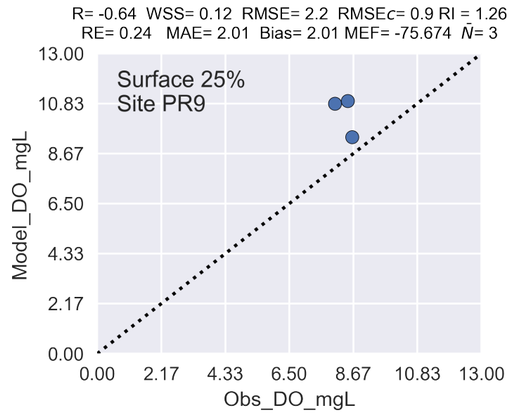

R= 0.82 WSS= 0.86 RMSE= 1.08 RMSEc= 1.07 RI = 1.14
RE= 0.1 MAE= 0.76 Bias= 0.14 MEF= 0.232 N̄= 14
All Depths
Site PR8
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

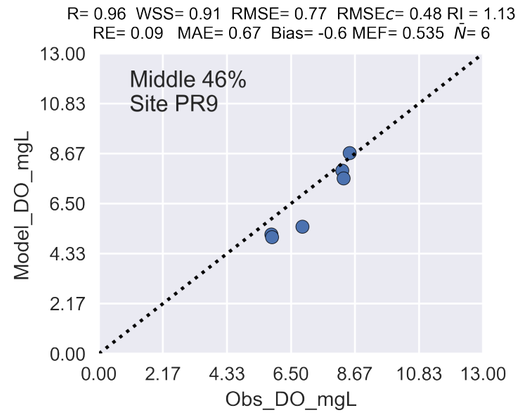

R= 0.56 WSS= 0.6 RMSE= 1.51 RMSEc= 1.18 RI = 1.19
RE= 0.13 MAE= 1.06 Bias= 0.95 MEF= -2.117 N̄= 6
Surface 25%
Site PR8
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

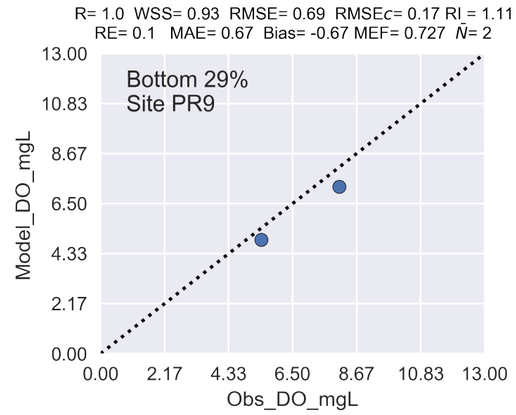

R= 0.98 WSS= 0.96 RMSE= 0.54 RMSEc= 0.37 RI = 1.09
RE= 0.07 MAE= 0.52 Bias= -0.39 MEF= 0.787 N̄= 4
Middle 46%
Site PR8
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

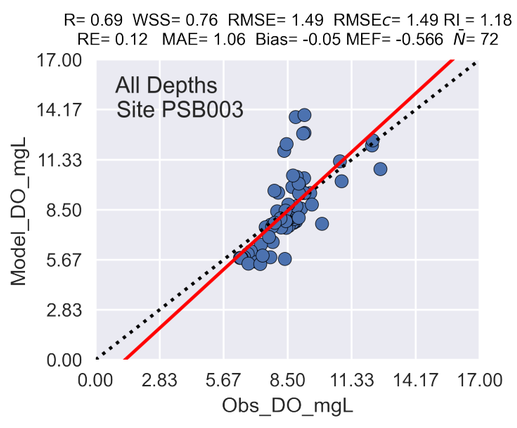

R= 1.0 WSS= 0.95 RMSE= 0.59 RMSEc= 0.21 RI = 1.09
RE= 0.08 MAE= 0.55 Bias= -0.55 MEF= 0.827 N̄= 4
Bottom 29%
Site PR8
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

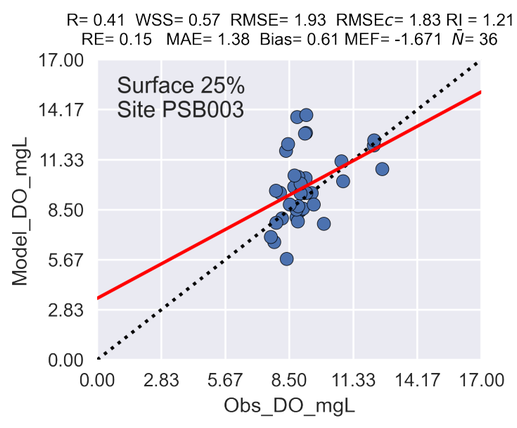

R= 0.84 WSS= 0.83 RMSE= 1.31 RMSEc= 1.31 RI = 1.17
RE= 0.14 MAE= 1.03 Bias= 0.1 MEF= -0.258 N̄= 11
All Depths
Site PR9
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

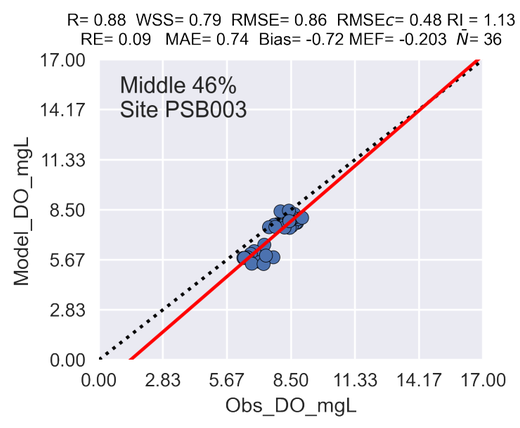

R= -0.64 WSS= 0.12 RMSE= 2.2 RMSEc= 0.9 RI = 1.26
RE= 0.24 MAE= 2.01 Bias= 2.01 MEF= -75.674 N̄= 3
Surface 25%
Site PR9
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

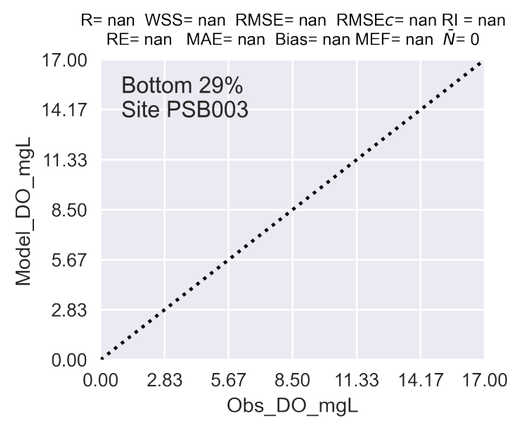

R= 0.96 WSS= 0.91 RMSE= 0.77 RMSEc= 0.48 RI = 1.13
RE= 0.09 MAE= 0.67 Bias= -0.6 MEF= 0.535 N̄= 6
Middle 46%
Site PR9
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

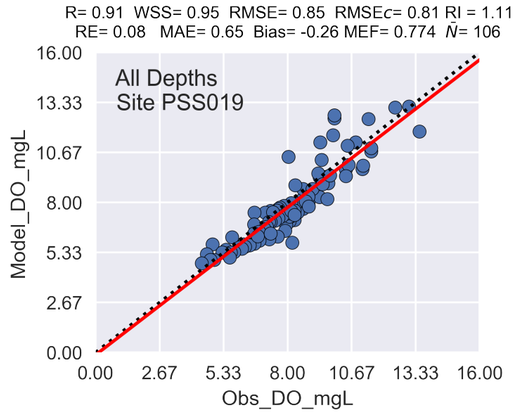

R= 1.0 WSS= 0.93 RMSE= 0.69 RMSEc= 0.17 RI = 1.11
RE= 0.1 MAE= 0.67 Bias= -0.67 MEF= 0.727 N̄= 2
Bottom 29%
Site PR9
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

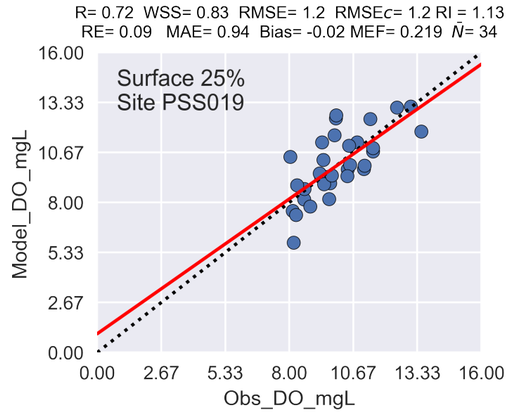

R= 0.69 WSS= 0.76 RMSE= 1.49 RMSEc= 1.49 RI = 1.18
RE= 0.12 MAE= 1.06 Bias= -0.05 MEF= -0.566 N̄= 72
All Depths
Site PSB003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

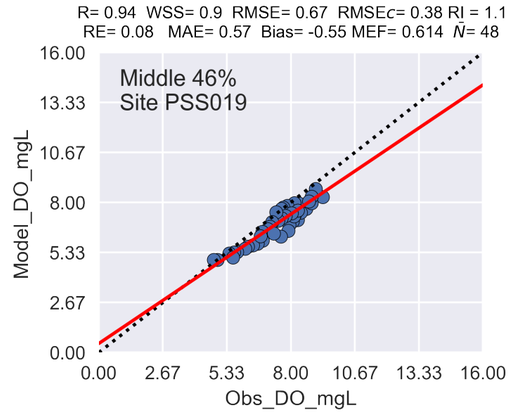

R= 0.41 WSS= 0.57 RMSE= 1.93 RMSEc= 1.83 RI = 1.21
RE= 0.15 MAE= 1.38 Bias= 0.61 MEF= -1.671 N̄= 36
Surface 25%
Site PSB003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

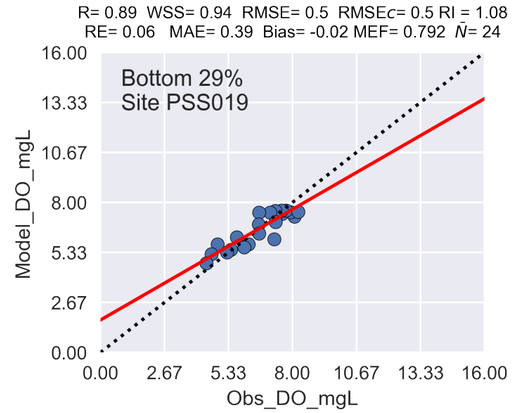

R= 0.88 WSS= 0.79 RMSE= 0.86 RMSEc= 0.48 RI = 1.13
RE= 0.09 MAE= 0.74 Bias= -0.72 MEF= -0.203 N̄= 36
Middle 46%
Site PSB003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

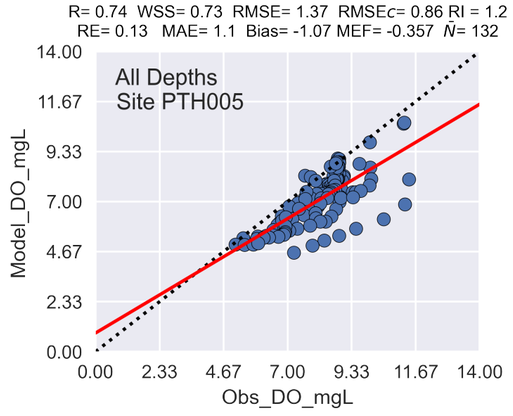

R= nan WSS= nan RMSE= nan RMSEc= nan RI = nan
RE= nan MAE= nan Bias= nan MEF= nan N̄= 0
Bottom 29%
Site PSB003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

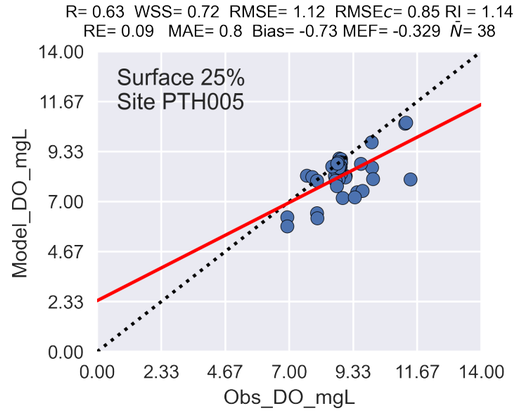

R= 0.91 WSS= 0.95 RMSE= 0.85 RMSEc= 0.81 RI = 1.11
RE= 0.08 MAE= 0.65 Bias= -0.26 MEF= 0.774 N̄= 106
All Depths
Site PSS019
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

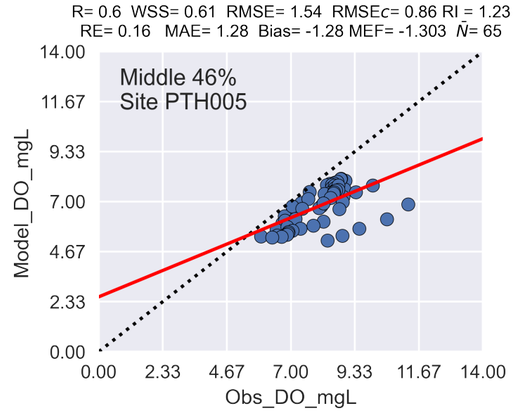

R= 0.72 WSS= 0.83 RMSE= 1.2 RMSEc= 1.2 RI = 1.13
RE= 0.09 MAE= 0.94 Bias= -0.02 MEF= 0.219 N̄= 34
Surface 25%
Site PSS019
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

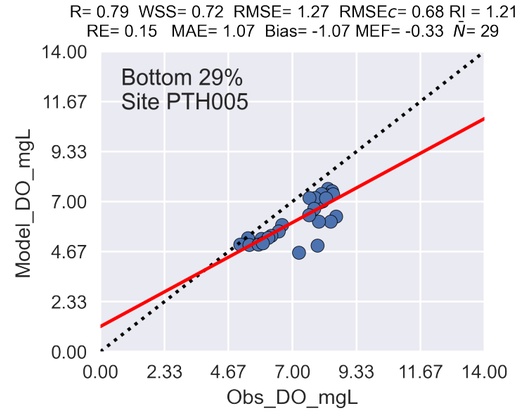

R= 0.94 WSS= 0.9 RMSE= 0.67 RMSEc= 0.38 RI = 1.1
RE= 0.08 MAE= 0.57 Bias= -0.55 MEF= 0.614 N̄= 48
Middle 46%
Site PSS019
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

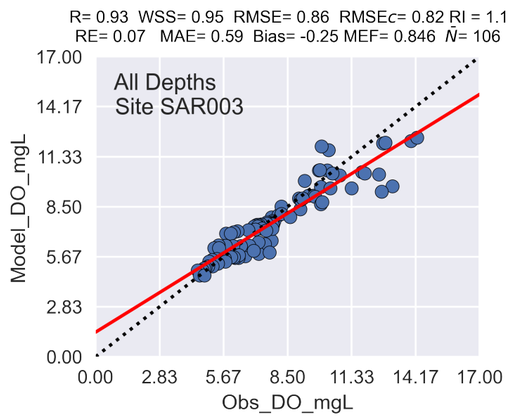

R= 0.89 WSS= 0.94 RMSE= 0.5 RMSEc= 0.5 RI = 1.08
RE= 0.06 MAE= 0.39 Bias= -0.02 MEF= 0.792 N̄= 24
Bottom 29%
Site PSS019
Model_DO_mgL
Obs_DO_mgL
0.00
2.67
5.33
8.00
10.67
13.33
16.00

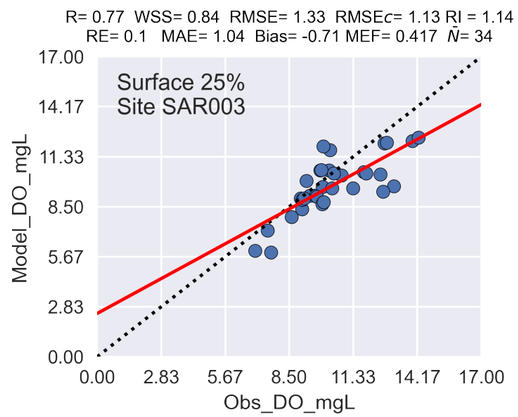

R= 0.74 WSS= 0.73 RMSE= 1.37 RMSEc= 0.86 RI = 1.2
RE= 0.13 MAE= 1.1 Bias= -1.07 MEF= -0.357 N̄= 132
All Depths
Site PTH005
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

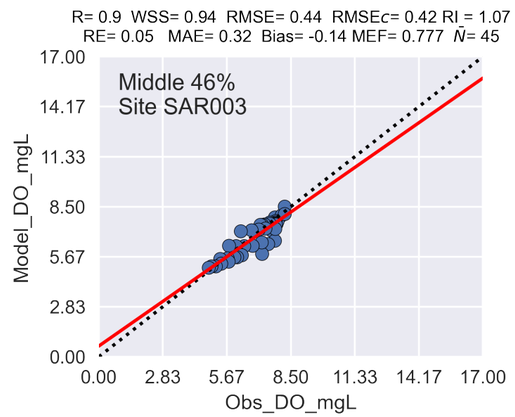

R= 0.63 WSS= 0.72 RMSE= 1.12 RMSEc= 0.85 RI = 1.14
RE= 0.09 MAE= 0.8 Bias= -0.73 MEF= -0.329 N̄= 38
Surface 25%
Site PTH005
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

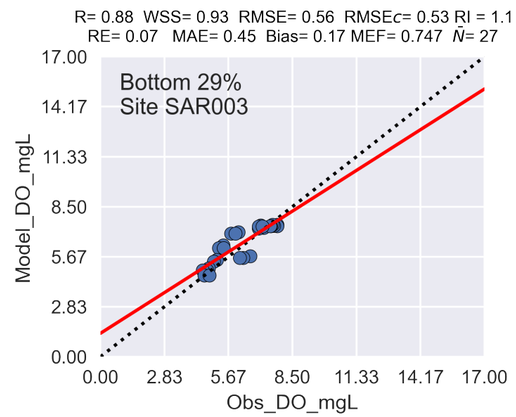

R= 0.6 WSS= 0.61 RMSE= 1.54 RMSEc= 0.86 RI = 1.23
RE= 0.16 MAE= 1.28 Bias= -1.28 MEF= -1.303 N̄= 65
Middle 46%
Site PTH005
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

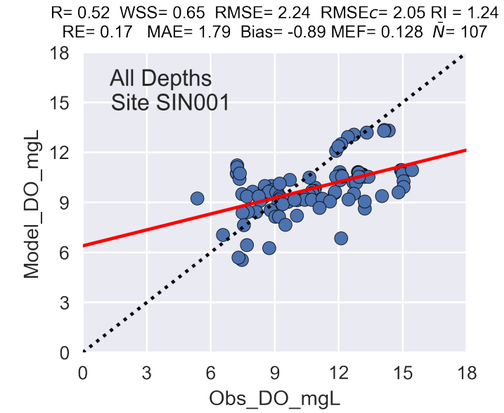

R= 0.79 WSS= 0.72 RMSE= 1.27 RMSEc= 0.68 RI = 1.21
RE= 0.15 MAE= 1.07 Bias= -1.07 MEF= -0.33 N̄= 29
Bottom 29%
Site PTH005
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

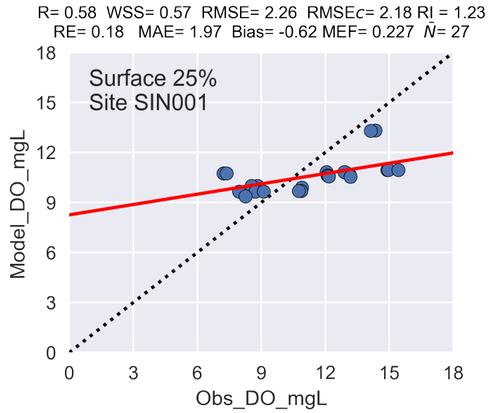

R= 0.93 WSS= 0.95 RMSE= 0.86 RMSEc= 0.82 RI = 1.1
RE= 0.07 MAE= 0.59 Bias= -0.25 MEF= 0.846 N̄= 106
All Depths
Site SAR003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

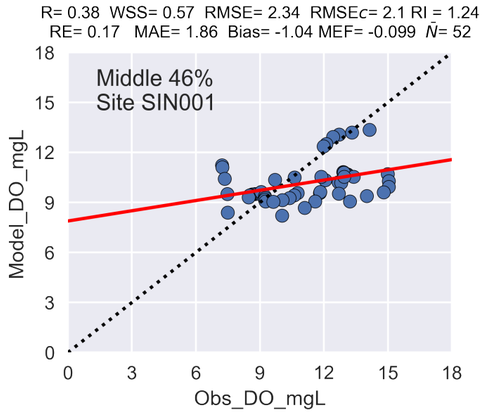

R= 0.77 WSS= 0.84 RMSE= 1.33 RMSEc= 1.13 RI = 1.14
RE= 0.1 MAE= 1.04 Bias= -0.71 MEF= 0.417 N̄= 34
Surface 25%
Site SAR003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

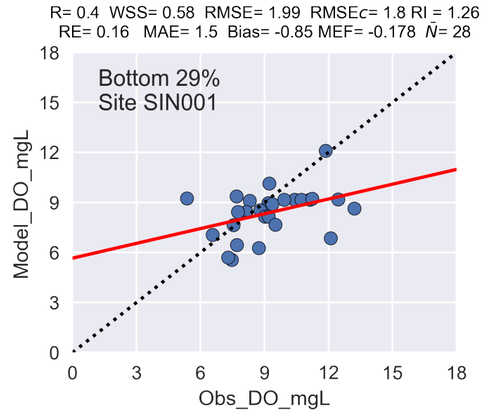

R= 0.9 WSS= 0.94 RMSE= 0.44 RMSEc= 0.42 RI = 1.07
RE= 0.05 MAE= 0.32 Bias= -0.14 MEF= 0.777 N̄= 45
Middle 46%
Site SAR003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

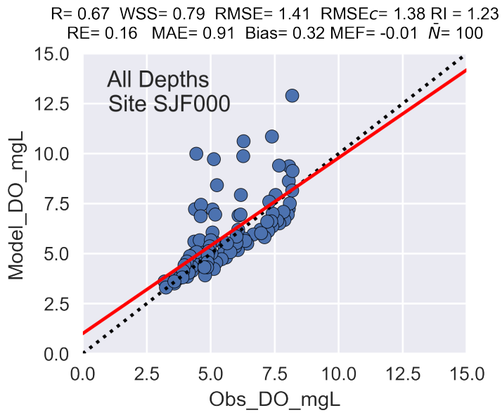

R= 0.88 WSS= 0.93 RMSE= 0.56 RMSEc= 0.53 RI = 1.1
RE= 0.07 MAE= 0.45 Bias= 0.17 MEF= 0.747 N̄= 27
Bottom 29%
Site SAR003
Model_DO_mgL
Obs_DO_mgL
0.00
2.83
5.67
8.50
11.33
14.17
17.00

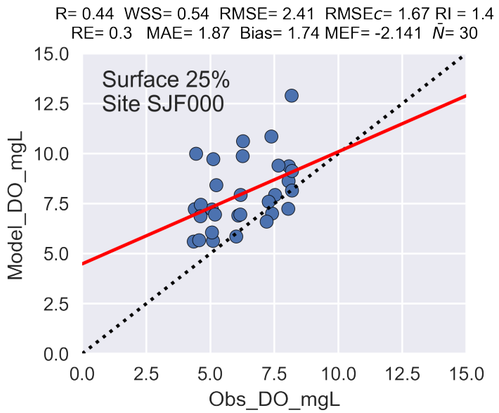

R= 0.52 WSS= 0.65 RMSE= 2.24 RMSEc= 2.05 RI = 1.24
RE= 0.17 MAE= 1.79 Bias= -0.89 MEF= 0.128 N̄= 107
All Depths
Site SIN001
Model_DO_mgL
Obs_DO_mgL

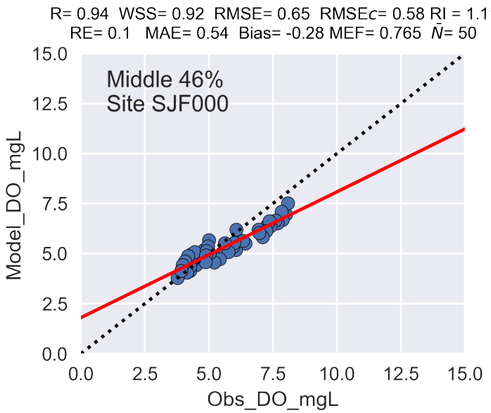

R= 0.58 WSS= 0.57 RMSE= 2.26 RMSEc= 2.18 RI = 1.23
RE= 0.18 MAE= 1.97 Bias= -0.62 MEF= 0.227 N̄= 27
Surface 25%
Site SIN001
Model_DO_mgL
Obs_DO_mgL

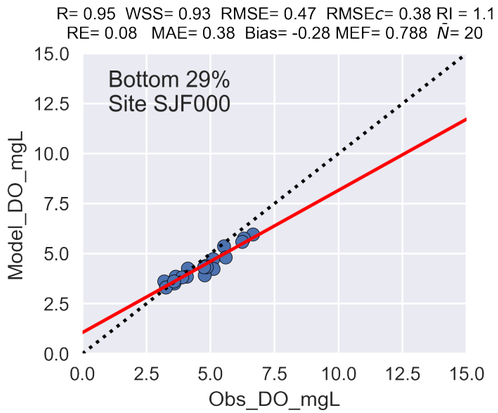

R= 0.38 WSS= 0.57 RMSE= 2.34 RMSEc= 2.1 RI = 1.24
RE= 0.17 MAE= 1.86 Bias= -1.04 MEF= -0.099 N̄= 52
Middle 46%
Site SIN001
Model_DO_mgL
Obs_DO_mgL

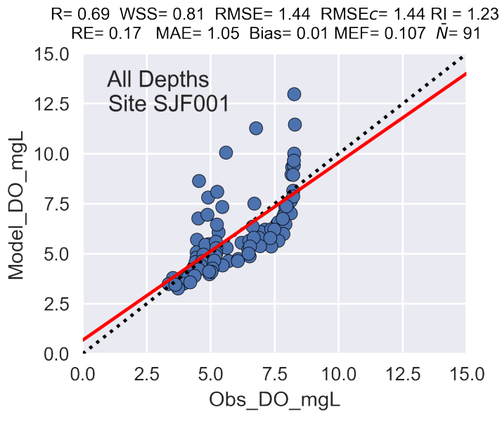

R= 0.4 WSS= 0.58 RMSE= 1.99 RMSEc= 1.8 RI = 1.26
RE= 0.16 MAE= 1.5 Bias= -0.85 MEF= -0.178 N̄= 28
Bottom 29%
Site SIN001
Model_DO_mgL
Obs_DO_mgL

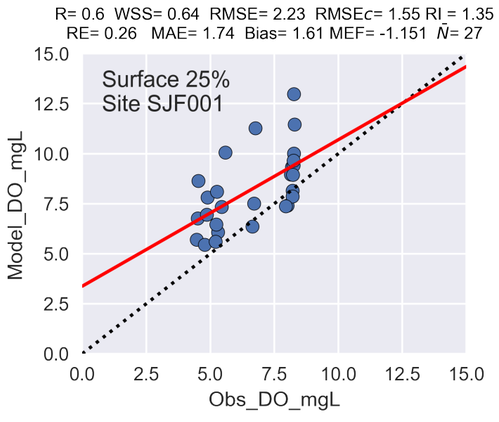

R= 0.67 WSS= 0.79 RMSE= 1.41 RMSEc= 1.38 RI = 1.23
RE= 0.16 MAE= 0.91 Bias= 0.32 MEF= -0.01 N̄= 100
All Depths
Site SJF000
Model_DO_mgL
Obs_DO_mgL

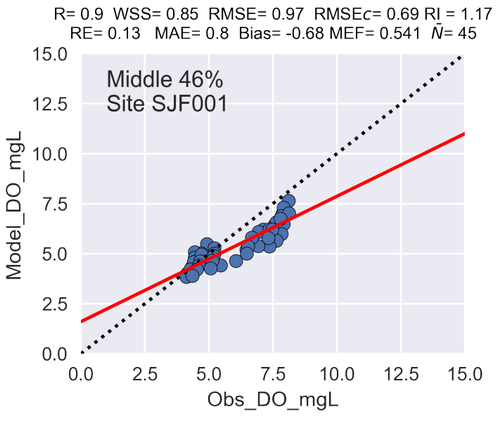

R= 0.44 WSS= 0.54 RMSE= 2.41 RMSEc= 1.67 RI = 1.4
RE= 0.3 MAE= 1.87 Bias= 1.74 MEF= -2.141 N̄= 30
Surface 25%
Site SJF000
Model_DO_mgL
Obs_DO_mgL

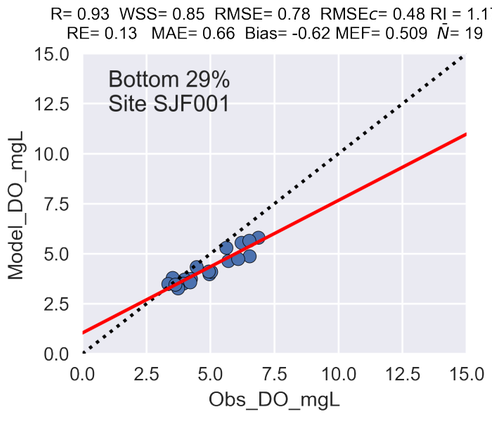

R= 0.94 WSS= 0.92 RMSE= 0.65 RMSEc= 0.58 RI = 1.11
RE= 0.1 MAE= 0.54 Bias= -0.28 MEF= 0.765 N̄= 50
Middle 46%
Site SJF000
Model_DO_mgL
Obs_DO_mgL

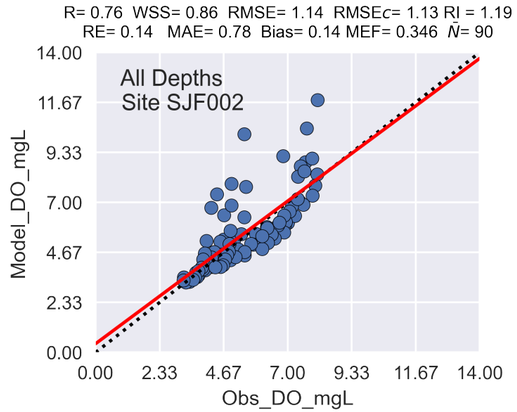

R= 0.95 WSS= 0.93 RMSE= 0.47 RMSEc= 0.38 RI = 1.1
RE= 0.08 MAE= 0.38 Bias= -0.28 MEF= 0.788 N̄= 20
Bottom 29%
Site SJF000
Model_DO_mgL
Obs_DO_mgL

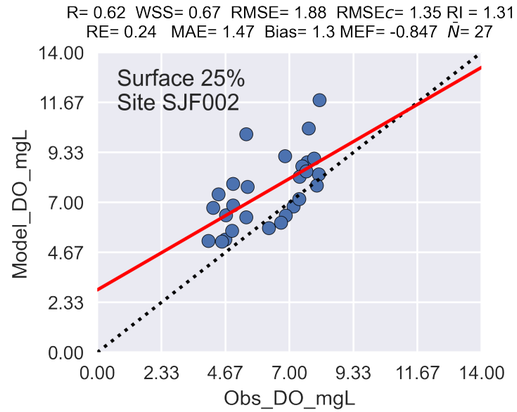

R= 0.69 WSS= 0.81 RMSE= 1.44 RMSEc= 1.44 RI = 1.23
RE= 0.17 MAE= 1.05 Bias= 0.01 MEF= 0.107 N̄= 91
All Depths
Site SJF001
Model_DO_mgL
Obs_DO_mgL

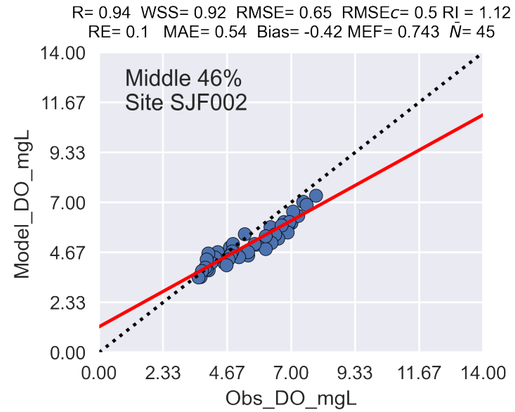

R= 0.6 WSS= 0.64 RMSE= 2.23 RMSEc= 1.55 RI = 1.35
RE= 0.26 MAE= 1.74 Bias= 1.61 MEF= -1.151 N̄= 27
Surface 25%
Site SJF001
Model_DO_mgL
Obs_DO_mgL

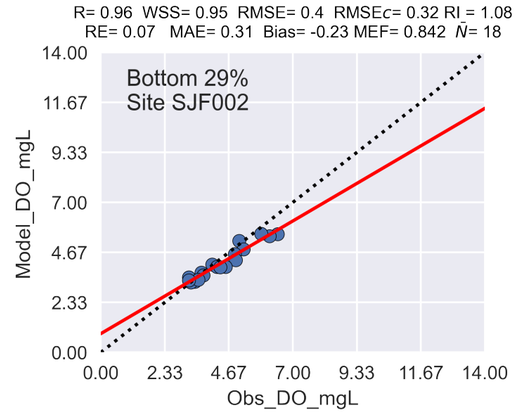

R= 0.9 WSS= 0.85 RMSE= 0.97 RMSEc= 0.69 RI = 1.17
RE= 0.13 MAE= 0.8 Bias= -0.68 MEF= 0.541 N̄= 45
Middle 46%
Site SJF001
Model_DO_mgL
Obs_DO_mgL

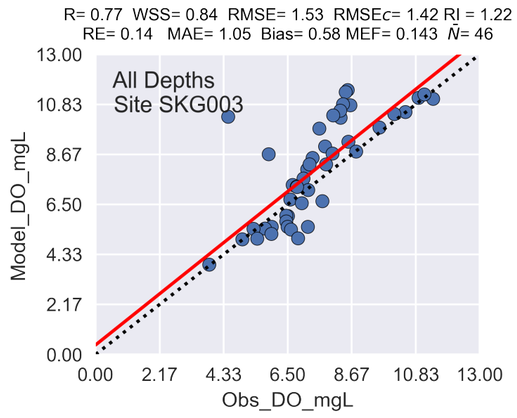

R= 0.93 WSS= 0.85 RMSE= 0.78 RMSEc= 0.48 RI = 1.17
RE= 0.13 MAE= 0.66 Bias= -0.62 MEF= 0.509 N̄= 19
Bottom 29%
Site SJF001
Model_DO_mgL
Obs_DO_mgL

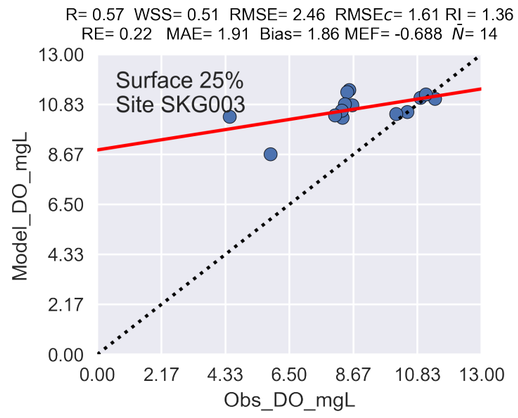

R= 0.76 WSS= 0.86 RMSE= 1.14 RMSEc= 1.13 RI = 1.19
RE= 0.14 MAE= 0.78 Bias= 0.14 MEF= 0.346 N̄= 90
All Depths
Site SJF002
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

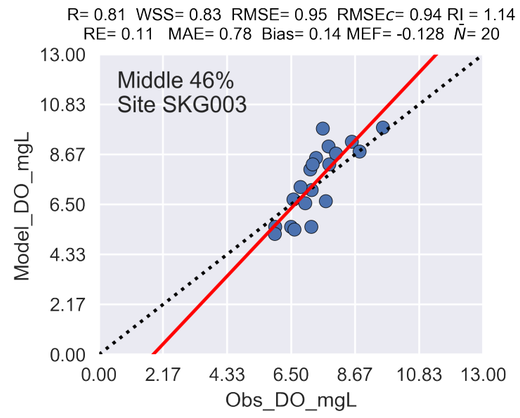

R= 0.62 WSS= 0.67 RMSE= 1.88 RMSEc= 1.35 RI = 1.31
RE= 0.24 MAE= 1.47 Bias= 1.3 MEF= -0.847 N̄= 27
Surface 25%
Site SJF002
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00

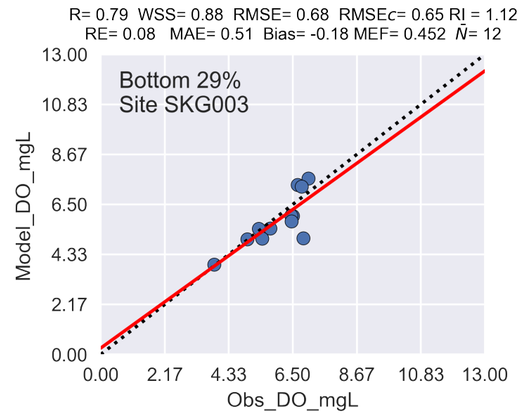

R= 0.94 WSS= 0.92 RMSE= 0.65 RMSEc= 0.5 RI = 1.12
RE= 0.1 MAE= 0.54 Bias= -0.42 MEF= 0.743 N̄= 45
Middle 46%
Site SJF002
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00


R= 0.96 WSS= 0.95 RMSE= 0.4 RMSEc= 0.32 RI = 1.08
RE= 0.07 MAE= 0.31 Bias= -0.23 MEF= 0.842 N̄= 18
Bottom 29%
Site SJF002
Model_DO_mgL
Obs_DO_mgL
0.00
2.33
4.67
7.00
9.33
11.67
14.00


R= 0.77 WSS= 0.84 RMSE= 1.53 RMSEc= 1.42 RI = 1.22
RE= 0.14 MAE= 1.05 Bias= 0.58 MEF= 0.143 N̄= 46
All Depths
Site SKG003
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00


R= 0.57 WSS= 0.51 RMSE= 2.46 RMSEc= 1.61 RI = 1.36
RE= 0.22 MAE= 1.91 Bias= 1.86 MEF= -0.688 N̄= 14
Surface 25%
Site SKG003
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00


R= 0.81 WSS= 0.83 RMSE= 0.95 RMSEc= 0.94 RI = 1.14
RE= 0.11 MAE= 0.78 Bias= 0.14 MEF= -0.128 N̄= 20
Middle 46%
Site SKG003
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00


R= 0.79 WSS= 0.88 RMSE= 0.68 RMSEc= 0.65 RI = 1.12
RE= 0.08 MAE= 0.51 Bias= -0.18 MEF= 0.452 N̄= 12
Bottom 29%
Site SKG003
Model_DO_mgL
Obs_DO_mgL
0.00
2.17
4.33
6.50
8.67
10.83
13.00

Appendix G3.
Hydrodynamic Model Performance Plots for 2008

Model-predicted water surface elevations were compared with observed data at seven National Oceanic and Atmospheric Administration (NOAA) stations (Figure G3-1).

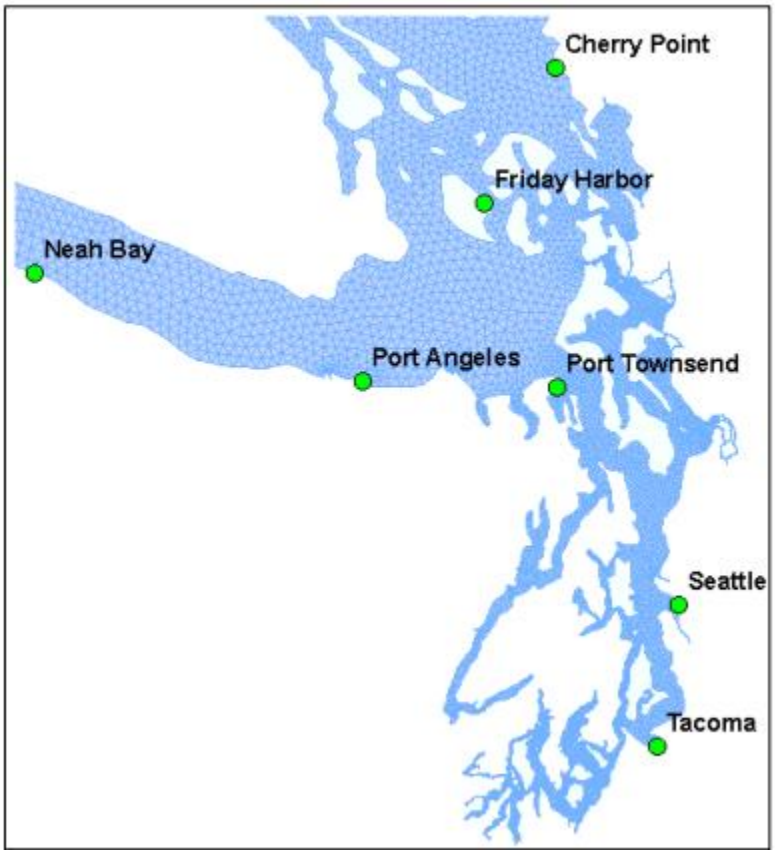
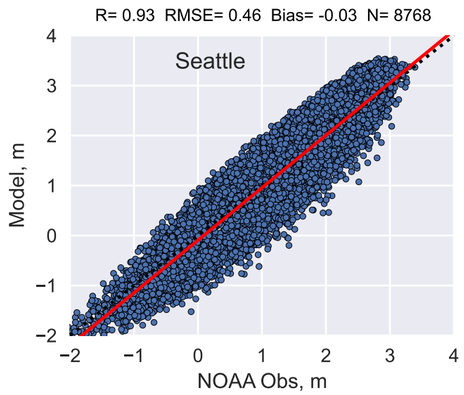
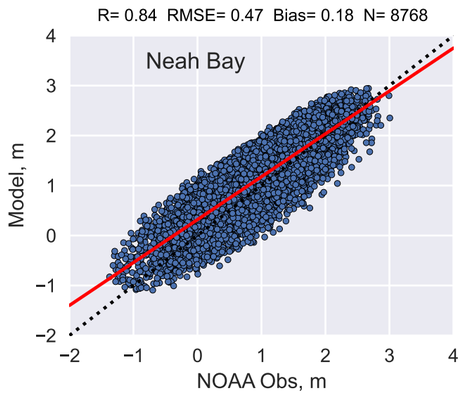
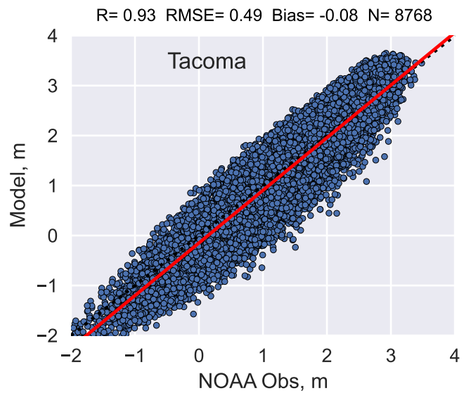


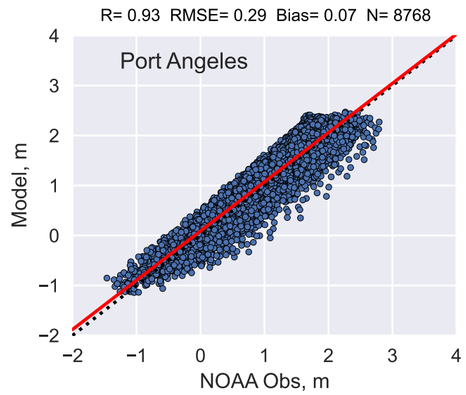
Figure G3-1. NOAA water surface elevation observation stations.

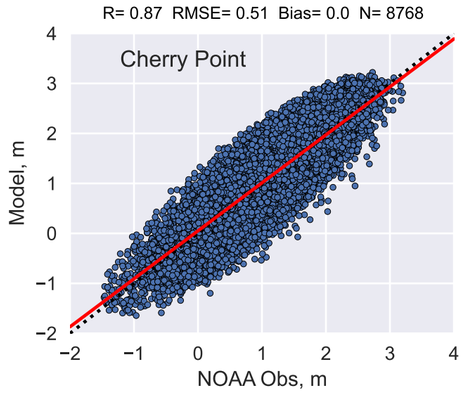
The following figures show 1:1 plots of model prediction versus observed data, along with error statistics, for all seven NOAA stations for year 2008. To assess whether model predictions match the observed phase, time series plots at the seven stations for years 2008 are also included.

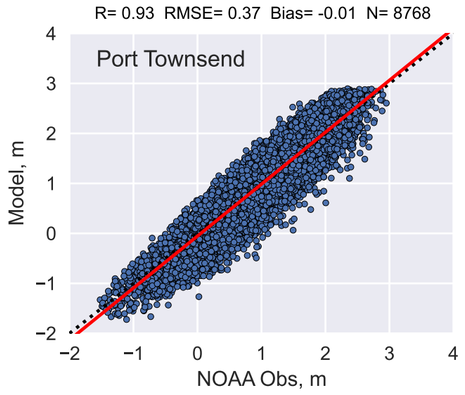

R= 0.93 RMSE= 0.46 Bias= -0.03 N= 8768
Seattle
Model, m
NOAA Obs, m

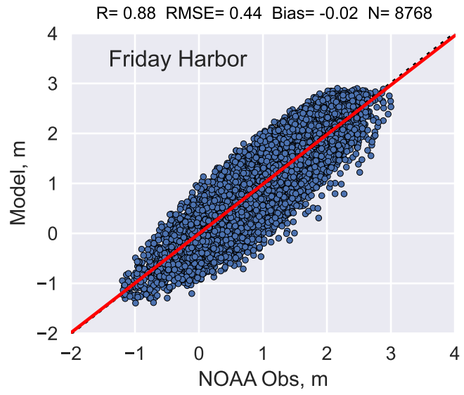

R= 0.84 RMSE= 0.47 Bias= 0.18 N= 8768
Neah Bay
Model, m
NOAA Obs, m

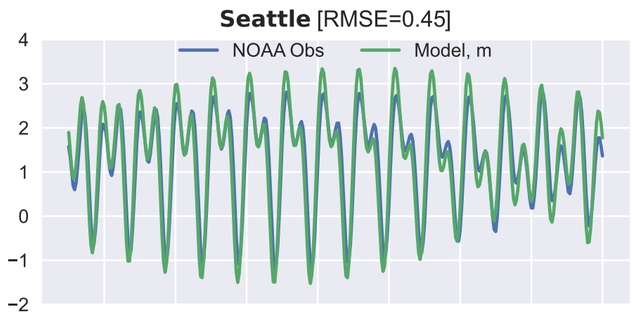

R= 0.93 RMSE= 0.49 Bias= -0.08 N= 8768
Tacoma
Model, m
NOAA Obs, m

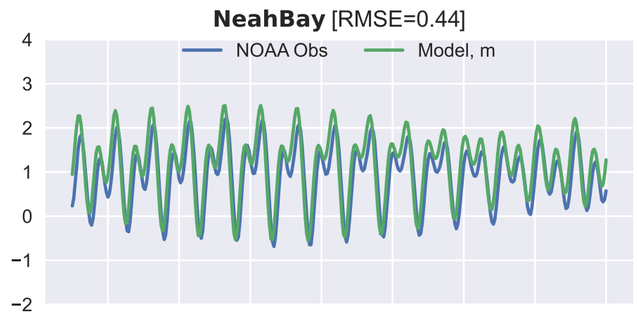

R= 0.93 RMSE= 0.29 Bias= 0.07 N= 8768
Port Angeles
Model, m
NOAA Obs, m

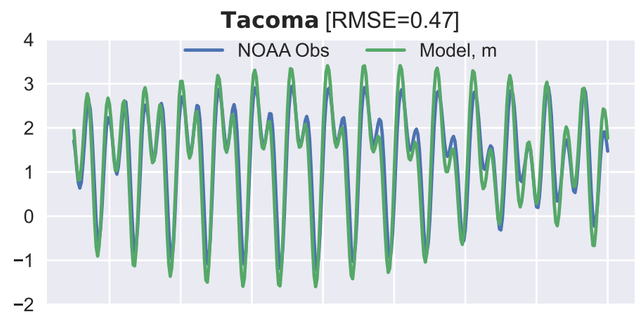

R= 0.87 RMSE= 0.51 Bias= 0.0 N= 8768
Cherry Point
Model, m
NOAA Obs, m

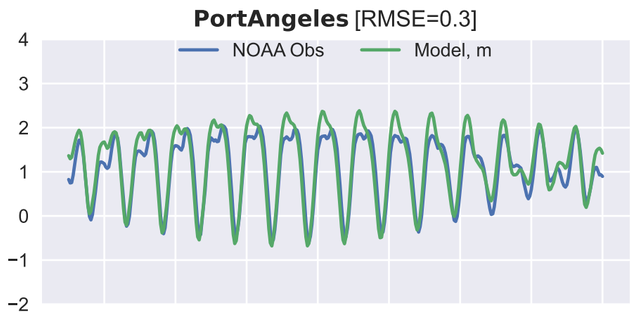

R= 0.93 RMSE= 0.37 Bias= -0.01 N= 8768
Port Townsend
Model, m
NOAA Obs, m

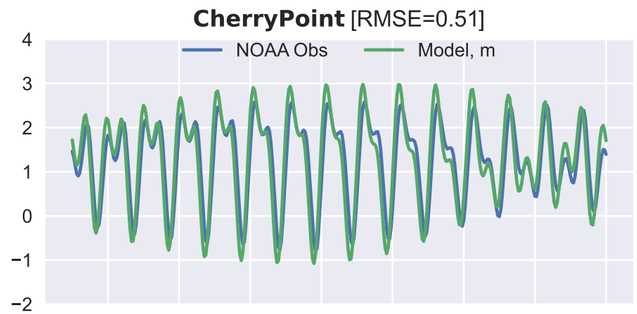

R= 0.88 RMSE= 0.44 Bias= -0.02 N= 8768
Friday Harbor
Model, m
NOAA Obs, m

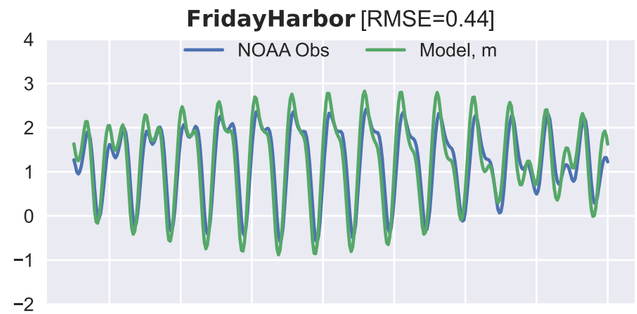

Seattle [RMSE=0.45]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2

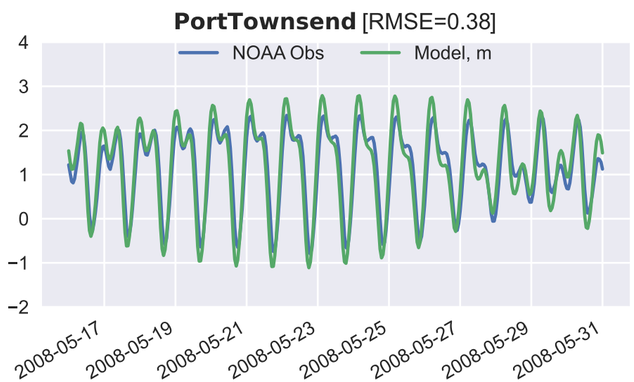

NeahBay [RMSE=0.44]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2


Tacoma [RMSE=0.47]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2


PortAngeles [RMSE=0.3]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2


CherryPoint [RMSE=0.51]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2


FridayHarbor [RMSE=0.44]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2


PortTownsend [RMSE=0.38]
NOAA Obs
Model, m
4
3
2
1
0
−1
−2
2008-05-17
2008-05-19
2008-05-21
2008-05-23
2008-05-25
2008-05-27
2008-05-29
2008-05-31