

Figure 54: Pine Island Mooring Marine Monitoring Program (MMP) observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turbidity and Chlorophyll (fluorescence). Field observation depth taken: 5 m. Model grid deepest point at this site -18.14 m. Observation deepest point at this site 20.0 to 25.7 m.

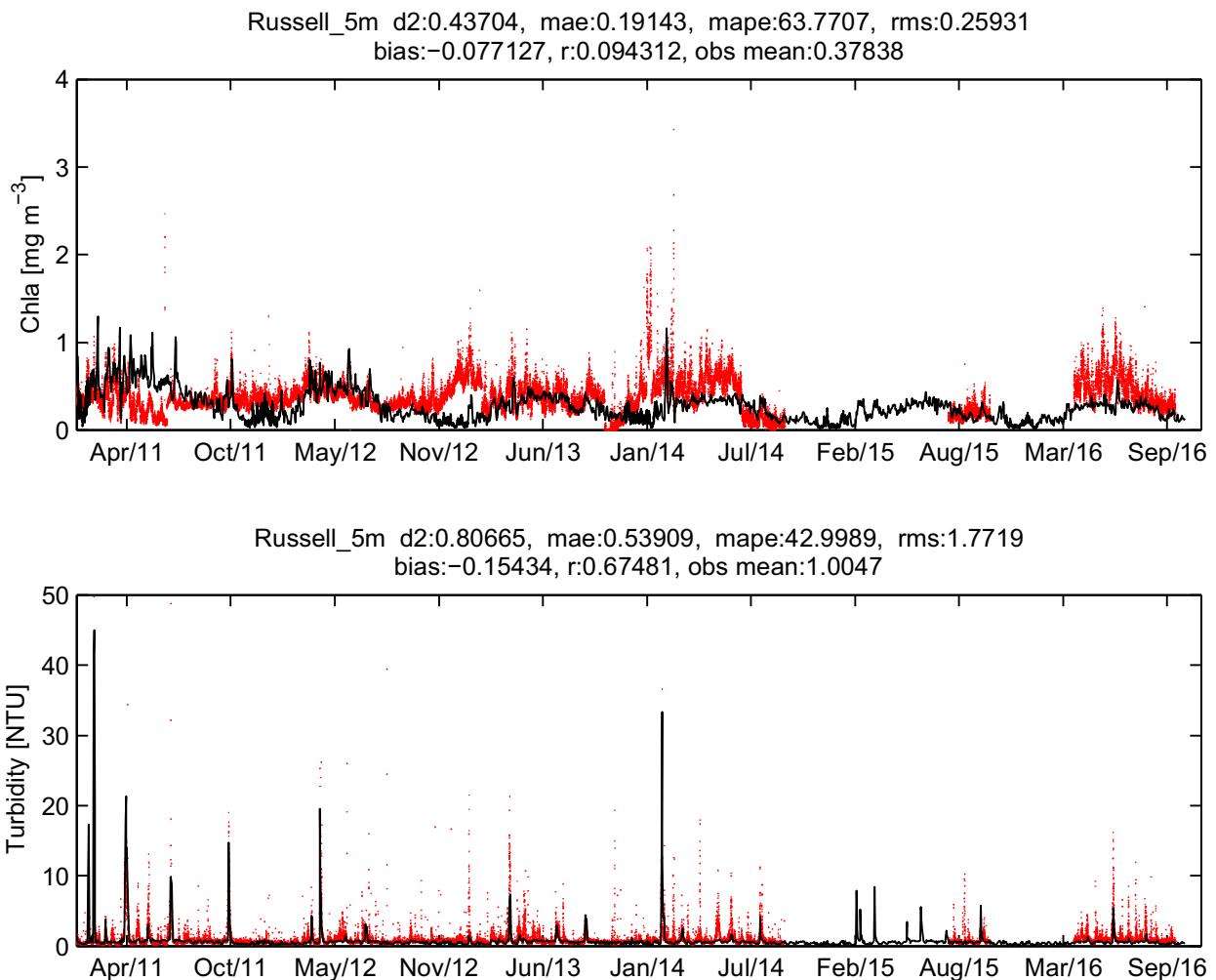


Figure 55: Russell Island Mooring Marine Monitoring Program (MMP) observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turbidity and Chlorophyll (fluorescence). Field observation depth taken: 5 m. Model grid deepest point at this site -19.94 m. Observation deepest point at this site 22.0 to 23.7 m.

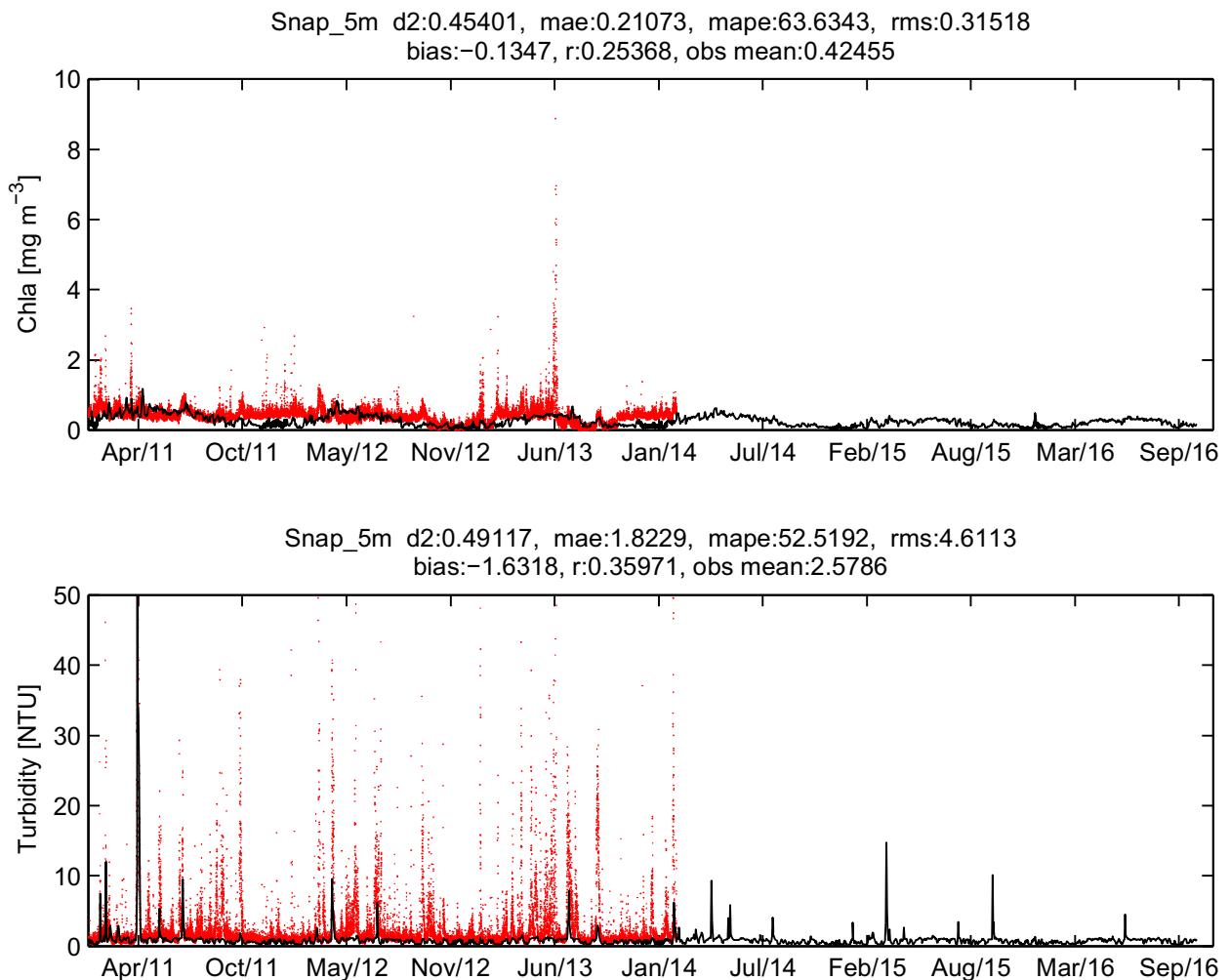


Figure 56: Snapper Island Mooring Marine Monitoring Program (MMP) observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turbidity and Chlorophyll (fluorescence). Field observation depth taken: 5 m. Model grid deepest point at this site -22.14 m. Observation deepest point at this site 8.0 to 11.2 m.

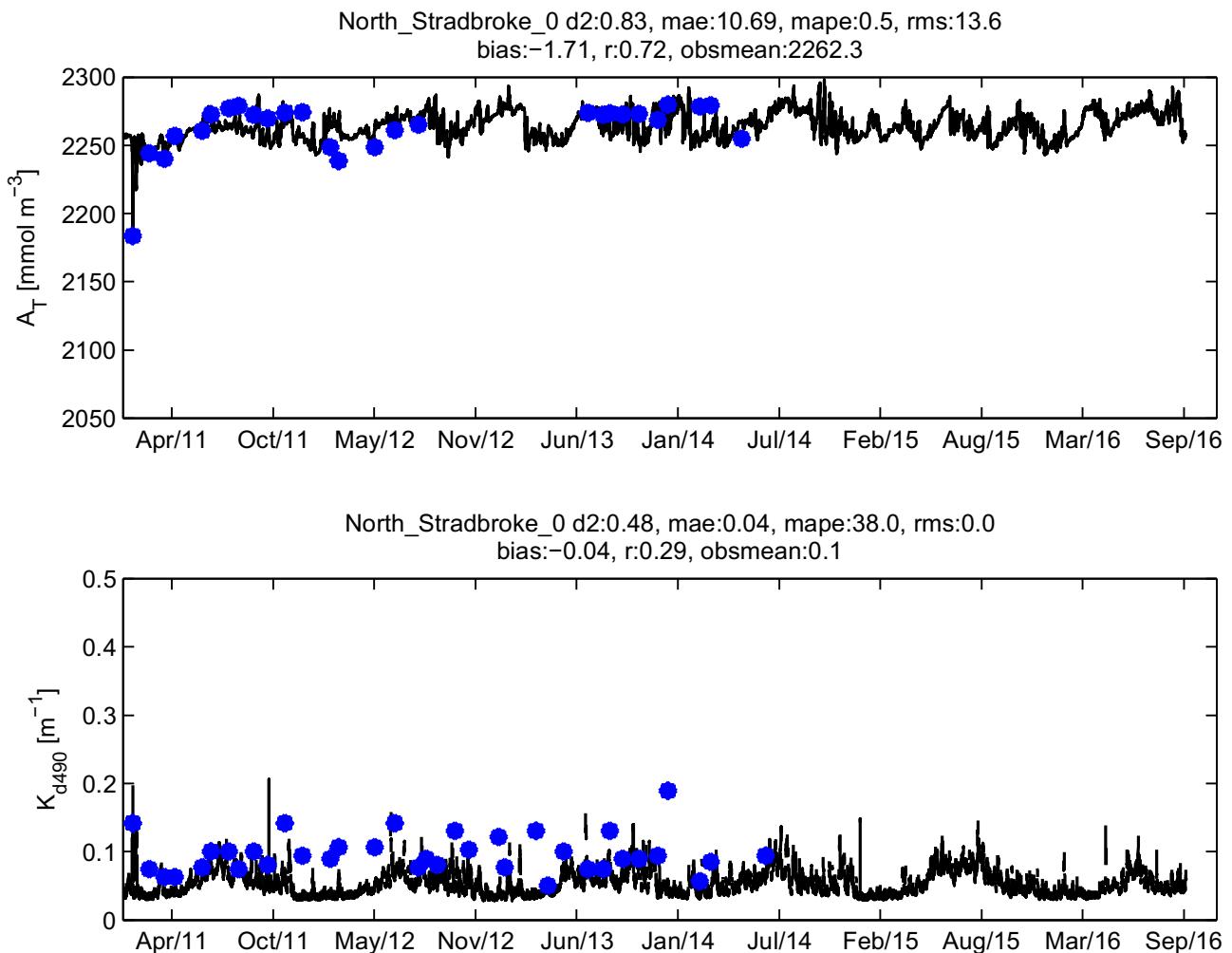


Figure 57: North Stradbroke (GBRNSI) Kd490 IMOS/NRS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Vertical attenuation of light at 490 nm, $K_{d,490}$ and alkalinity, A_T . Field observation depth taken: 0 m. Model grid deepest point at this site -66 m. Observation deepest point at this site 67 m.

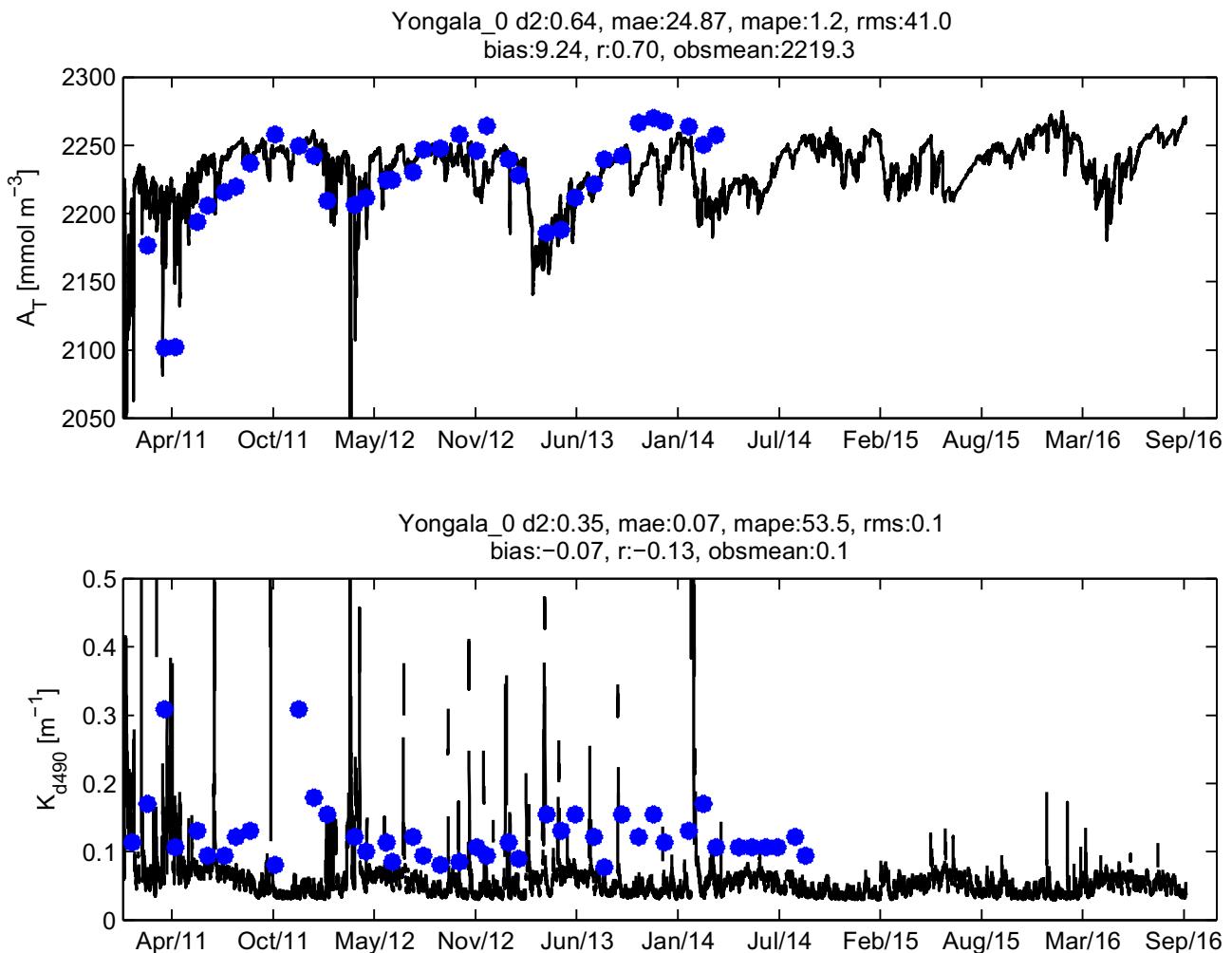


Figure 58: Yongala (NRSYON) Kd490 IMOS/NRS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Vertical attenuation of light at 490 nm, $K_{d,490}$ and alkalinity, A_T . Field observation depth taken: 0 m. Model grid deepest point at this site -28.62 m. Observation deepest point at this site 27 m.

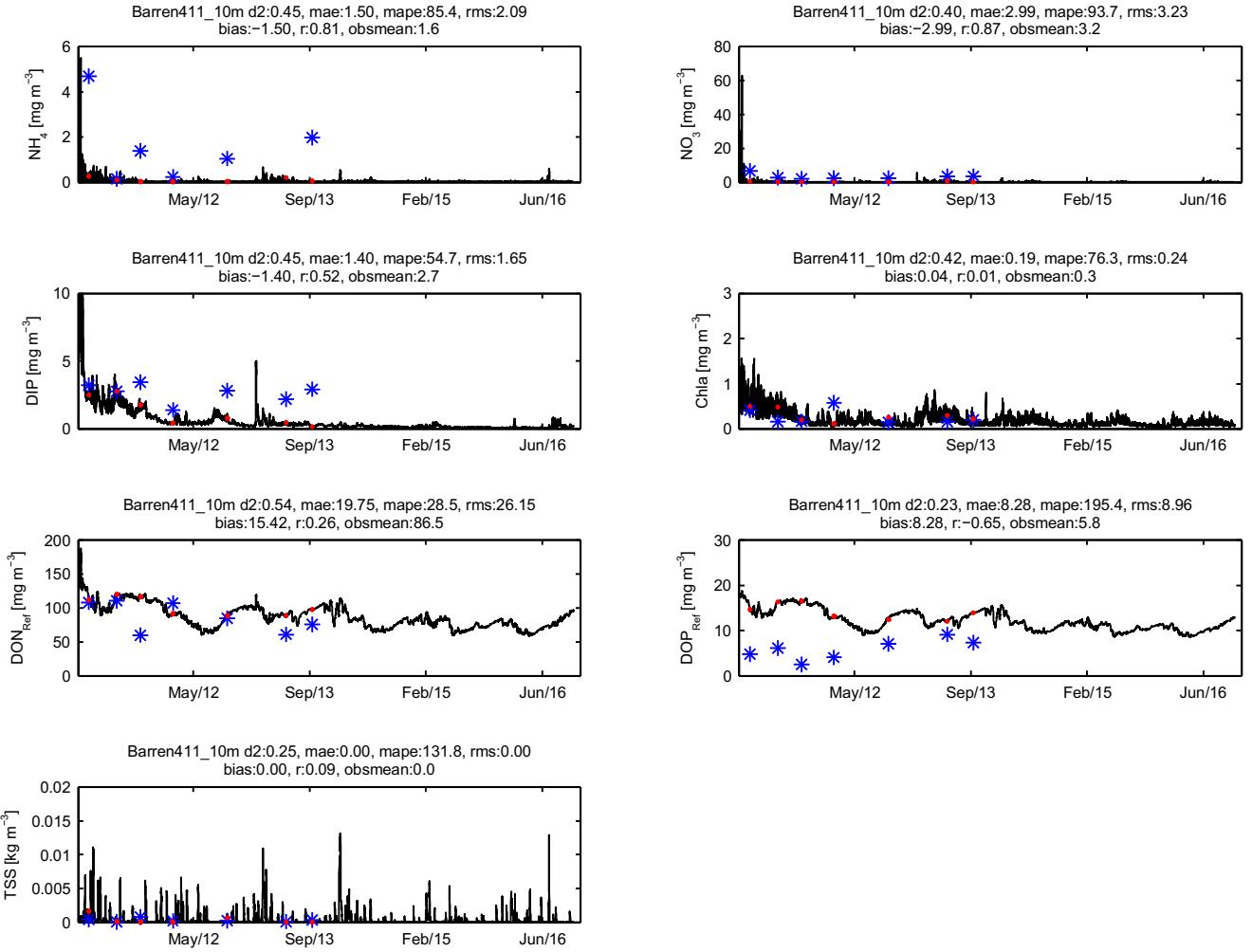


Figure 59: Barren Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 10 m. Model grid deepest point at this site 24.26 m. Observation deepest point at this site 15.2 to 18.9 m.

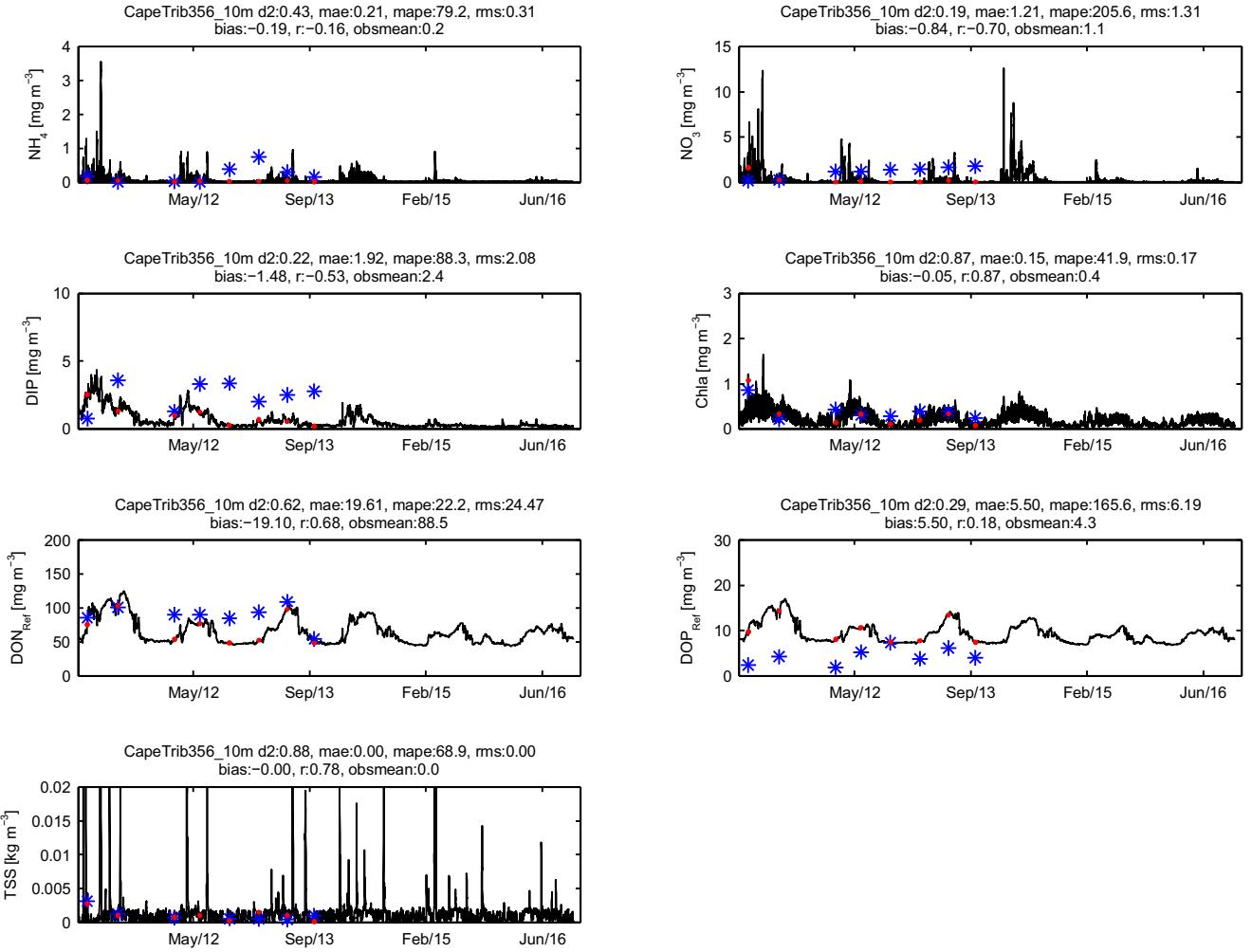


Figure 60: Cape Tribulation AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site 20.5 m. Observation deepest point at this site 17.0 to 20.1 m.

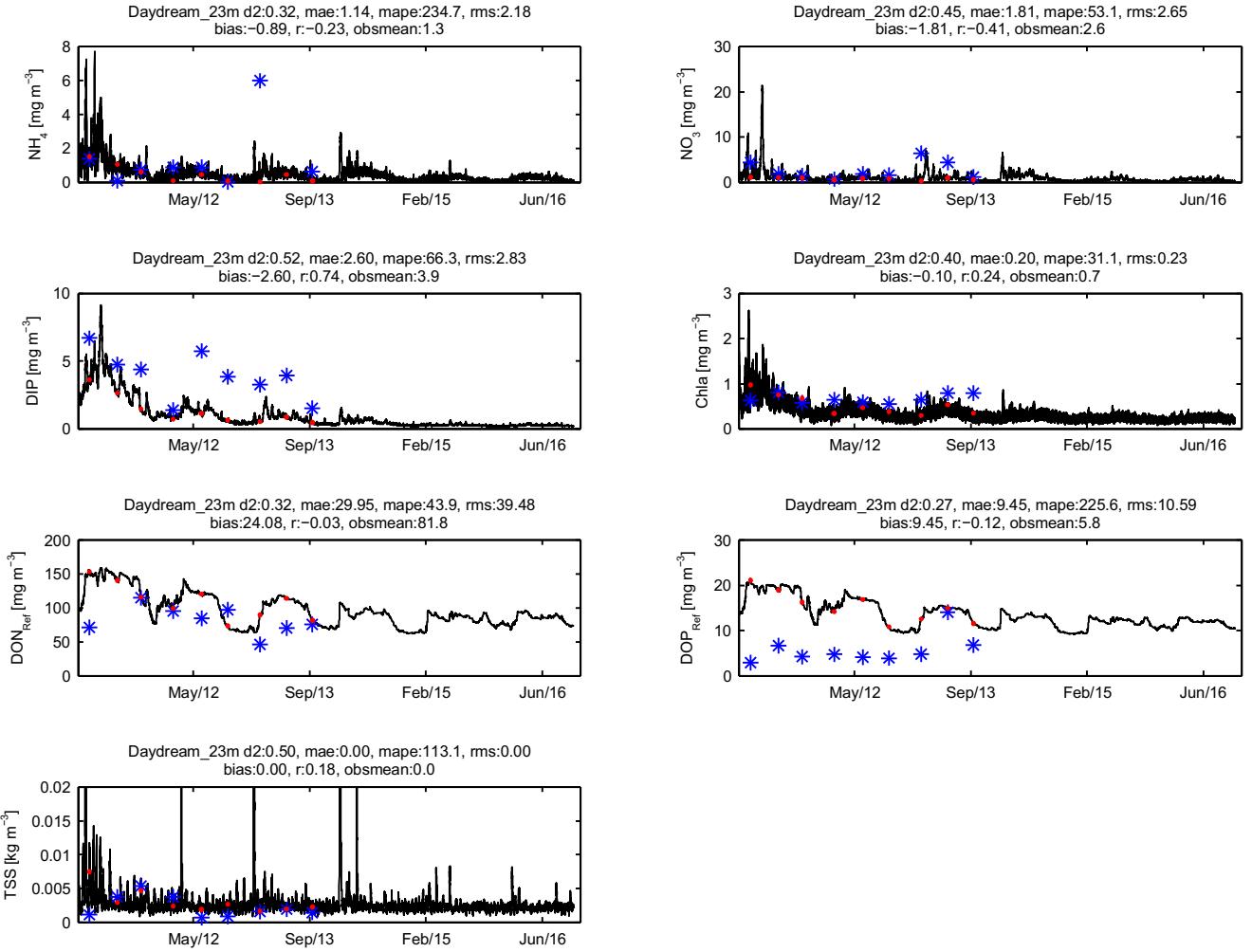


Figure 61: Daydream Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 23 m. Model grid deepest point at this site 16.76 m. Observation deepest point at this site 23.6 to 25.9 m.

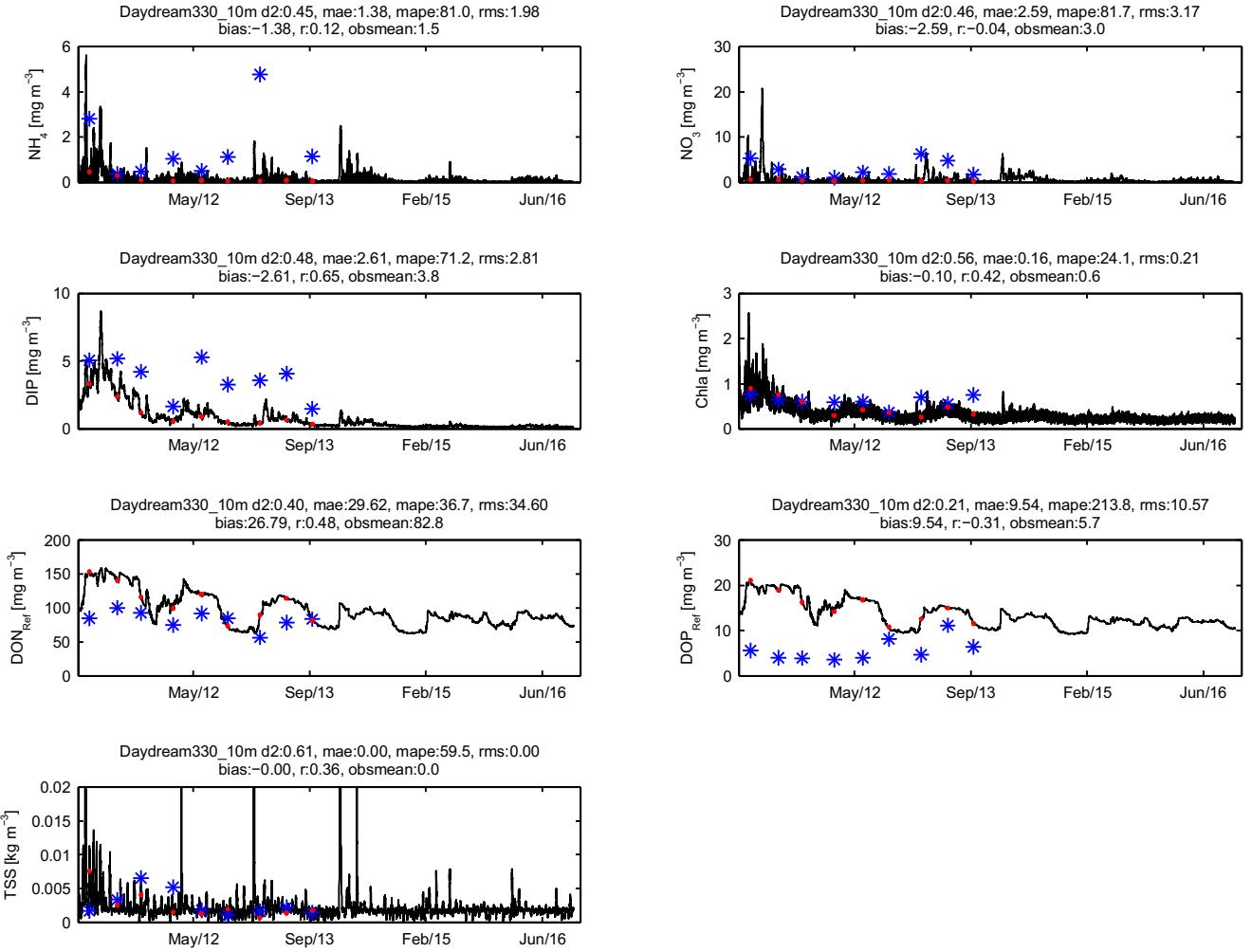


Figure 62: Daydream Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site 16.76 m. Observation deepest point at this site 23.6 to 25.9 m.

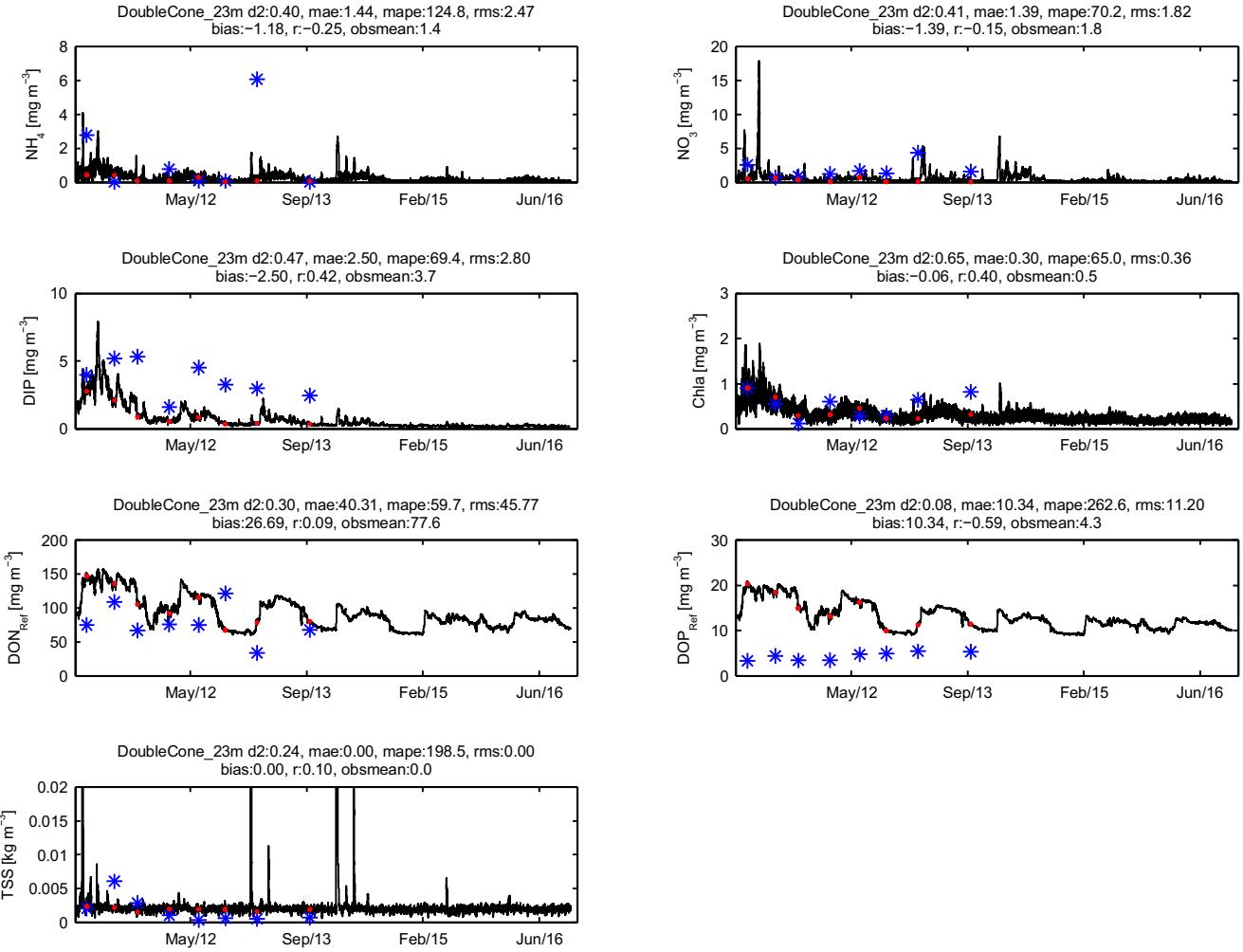


Figure 63: Double Cone Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll a , DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 23 m. Model grid deepest point at this site 17.03 m. Observation deepest point at this site 23.0 to 31.0 m.

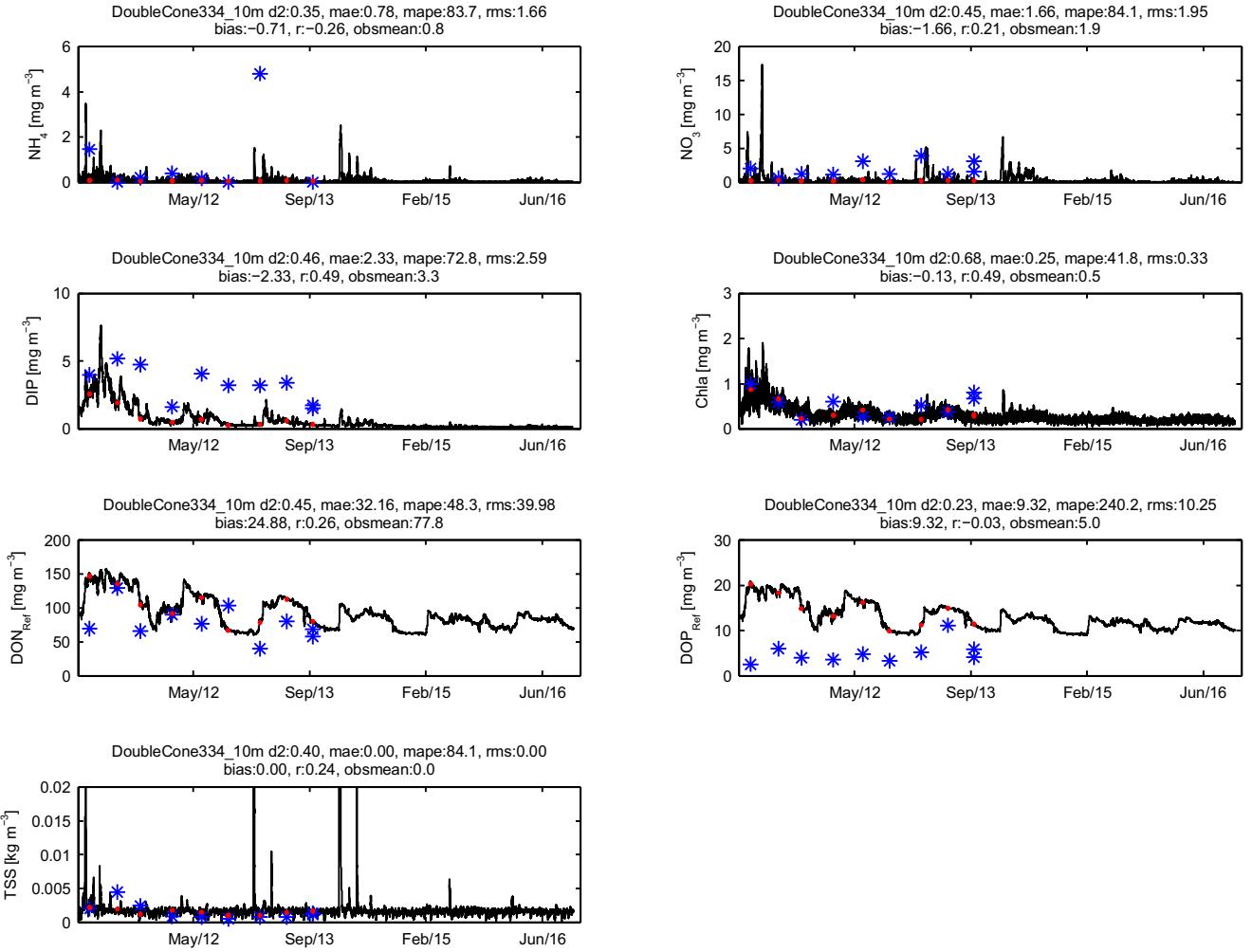


Figure 64: Double Cone Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site 17.03 m. Observation deepest point at this site 23.0 to 31.0 m.

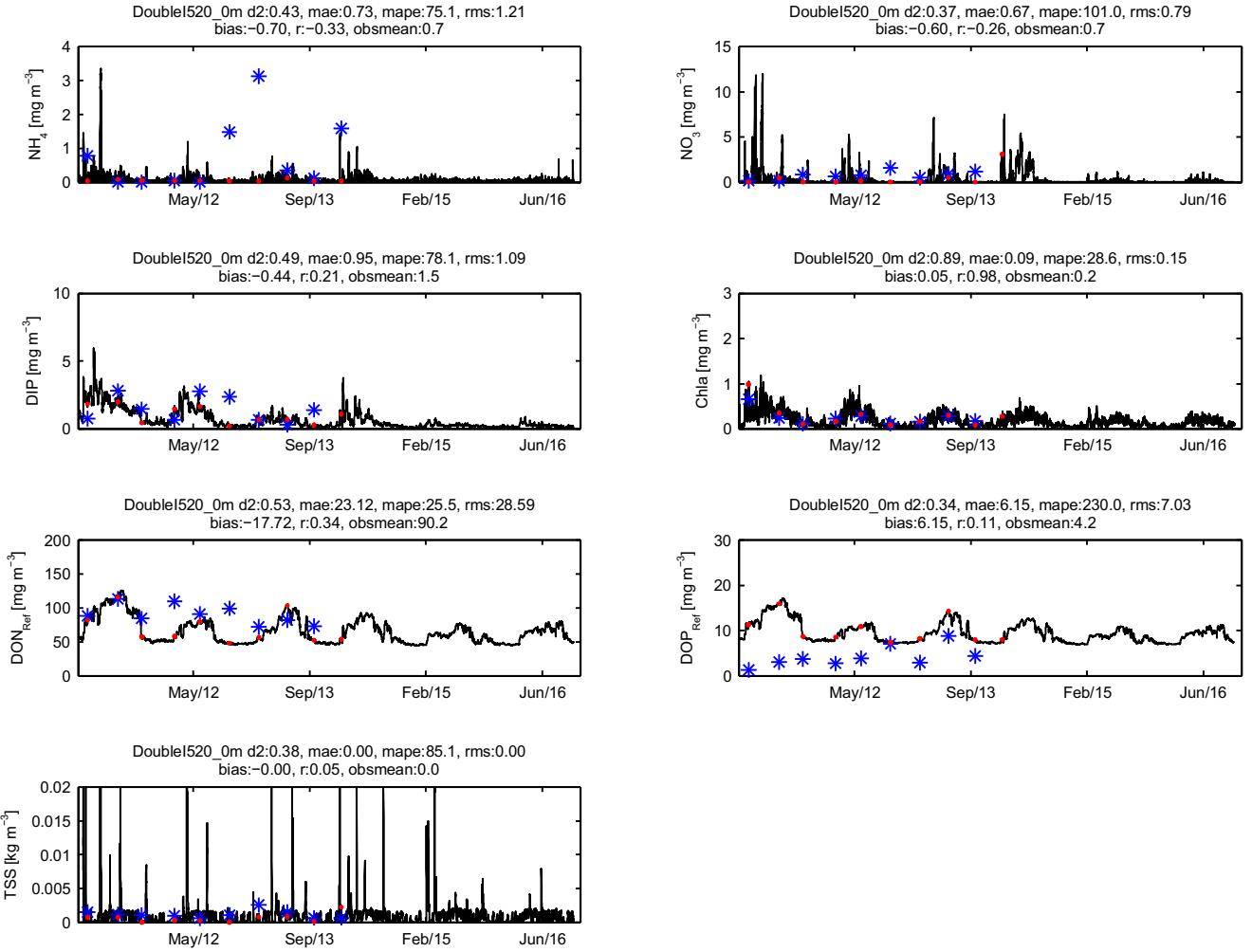


Figure 65: Double Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site 22.05 m. Observation deepest point at this site 20.7 to 21.5 m.

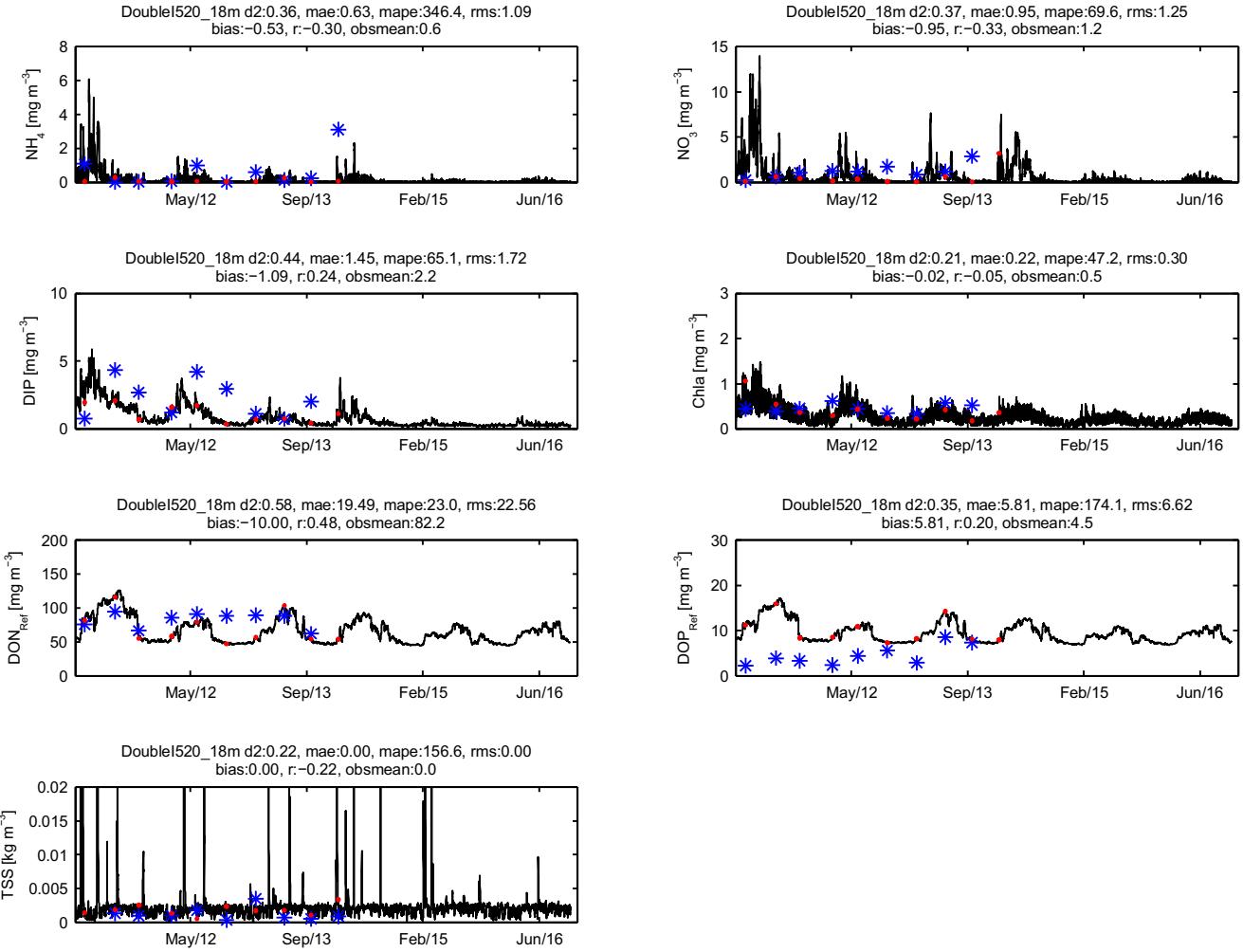


Figure 66: Double Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 18 m. Model grid deepest point at this site 22.05 m. Observation deepest point at this site 20.7 to 21.5 m.

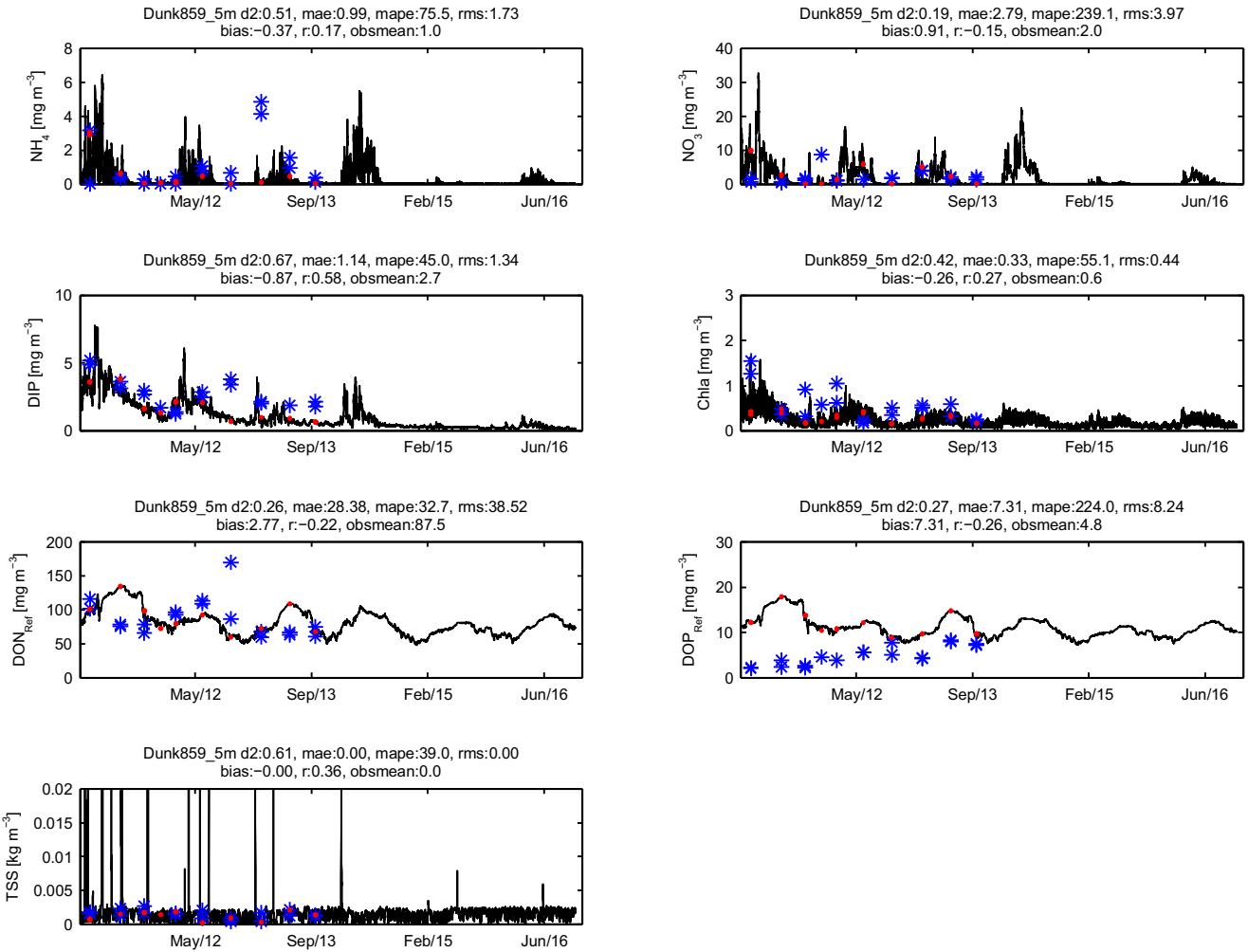


Figure 67: Dunk Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{model}/\text{NTU}_{obs}$. Field observation depth taken: 5 m. Model grid deepest point at this site 9.15 m. Observation deepest point at this site 9.0 to 10.4 m.

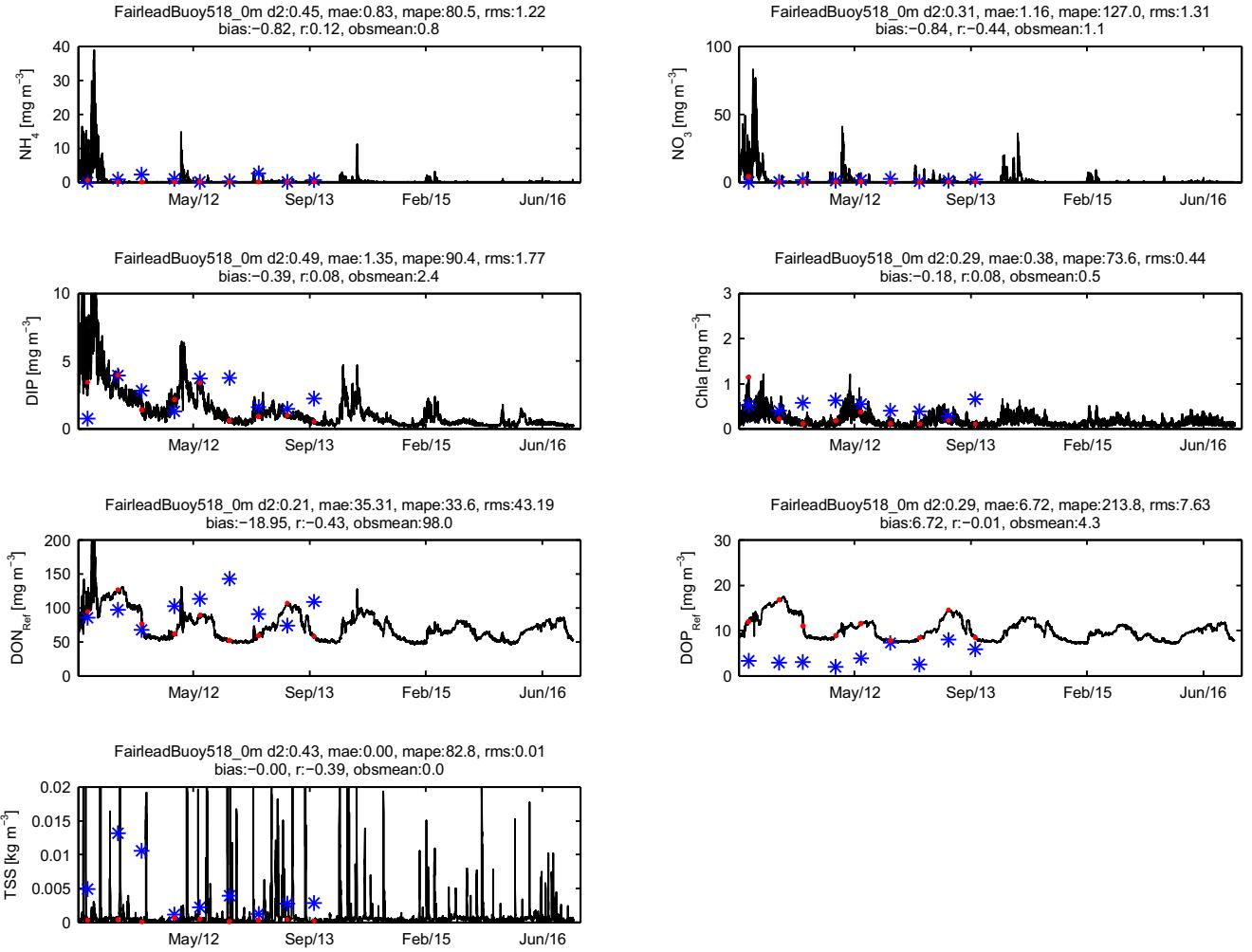


Figure 68: Fairlead buoy AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll a , DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site 9.63 m. Observation deepest point at this site 7.0 to 10.0 m.

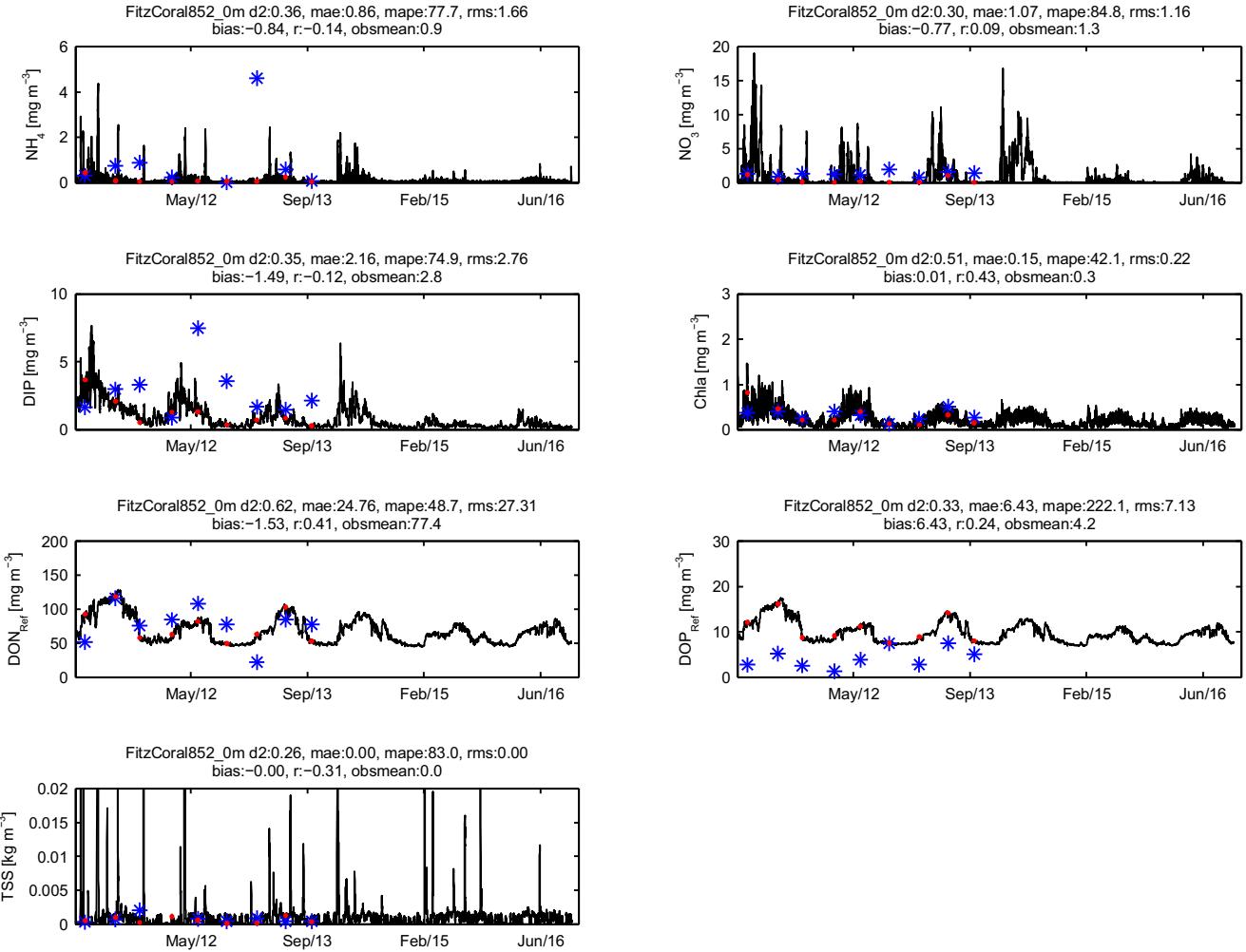


Figure 69: Fitzroy Reef AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site 27 m. Observation deepest point at this site 15.5 to 17.2 m.

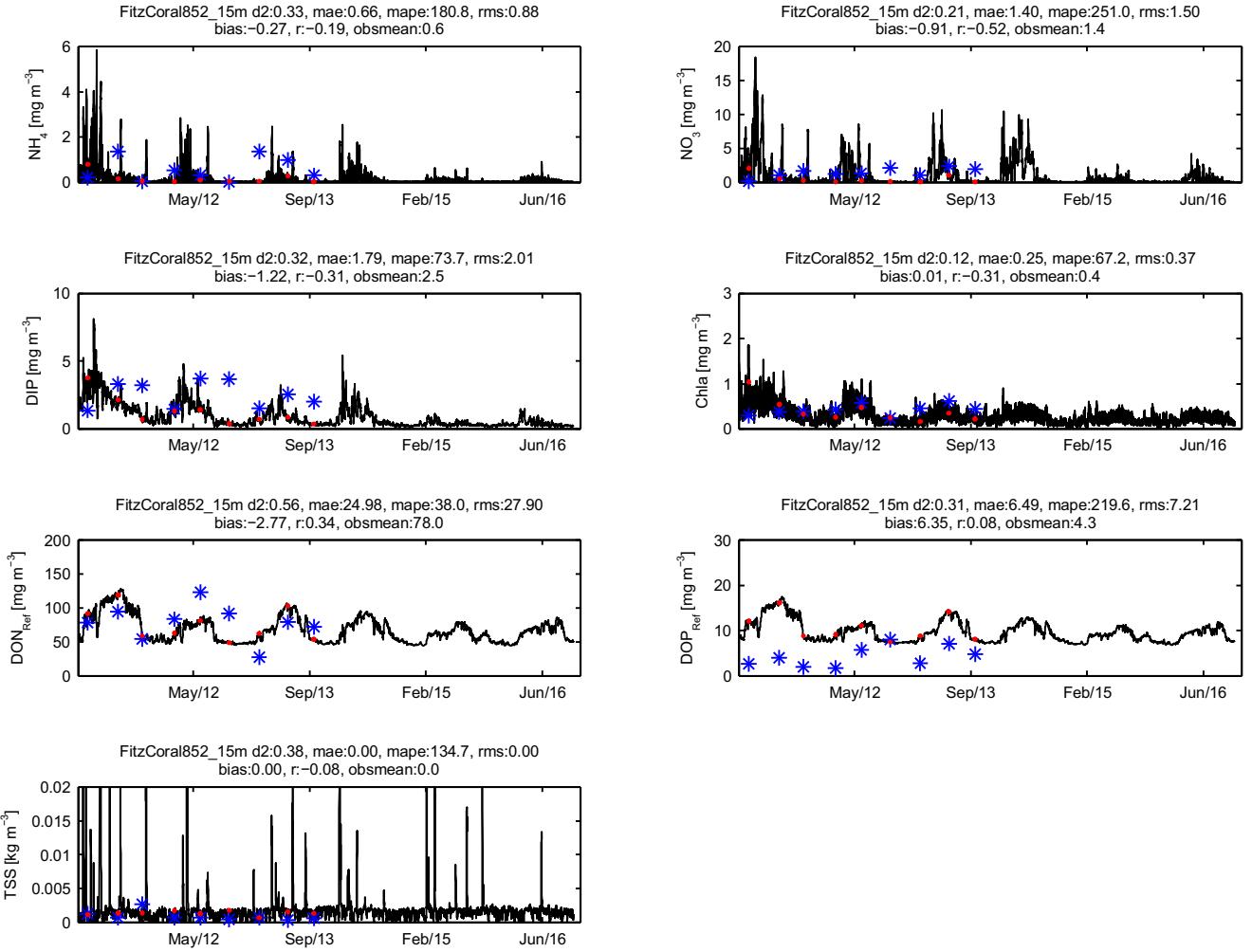


Figure 70: Fitzroy Reef AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 15 m. Model grid deepest point at this site 27 m. Observation deepest point at this site 15.5 to 17.2 m.

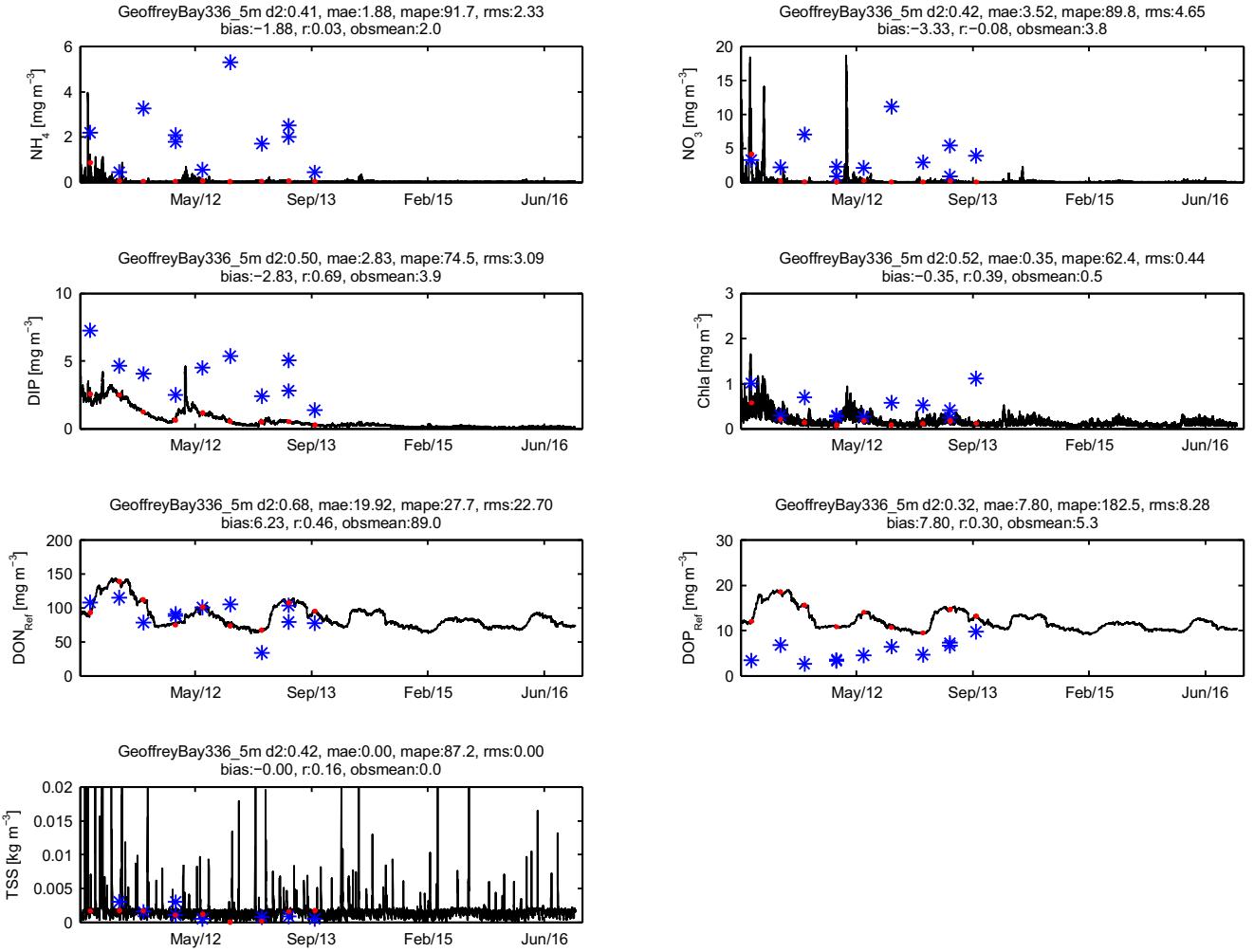


Figure 71: Geoffrey Bay AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 5 m. Model grid deepest point at this site -10.42 m. Observation deepest point at this site 9.9 to 12 m.

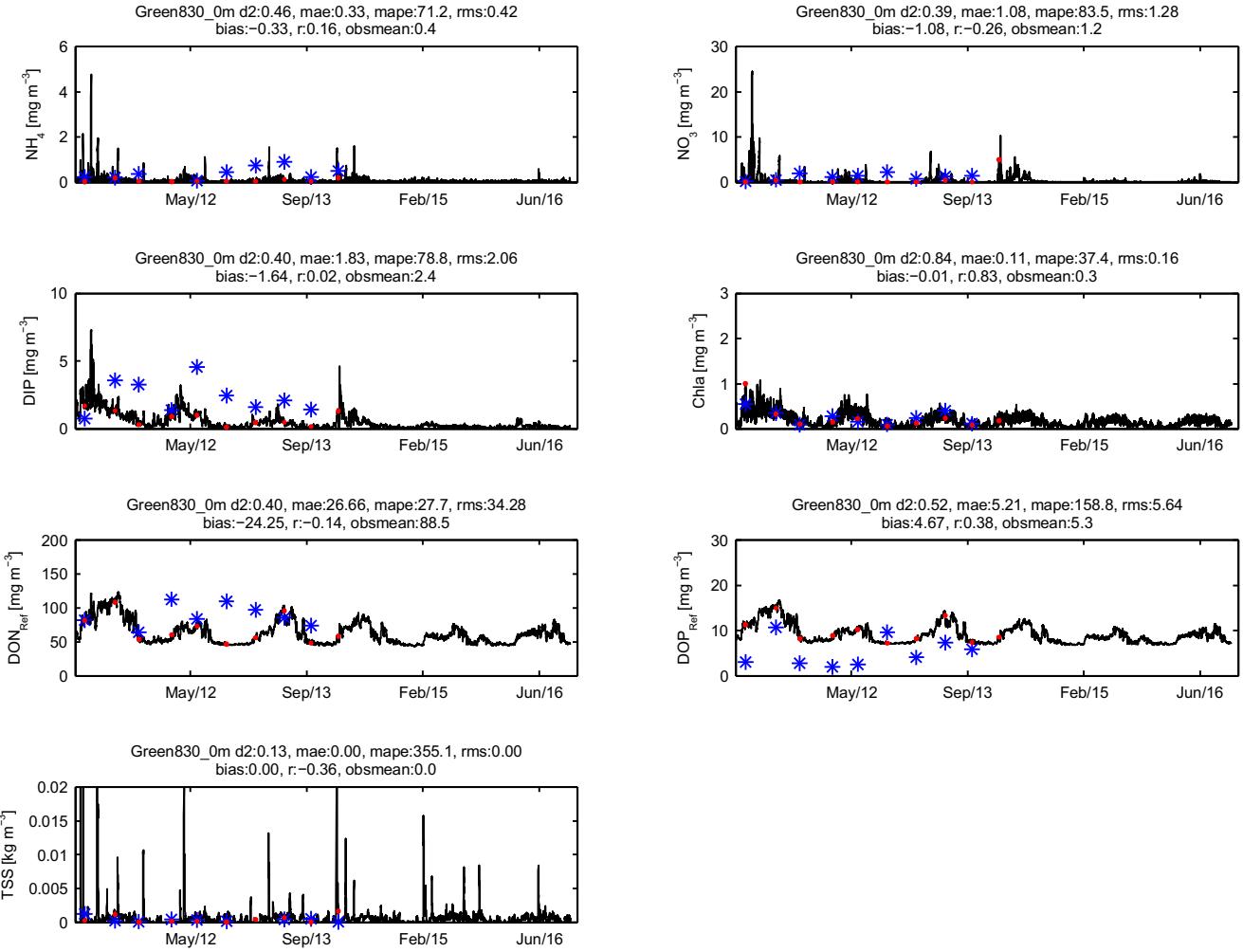


Figure 72: Green Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site -34.66 m. Observation deepest point at this site 38.0 to 39.5 m.

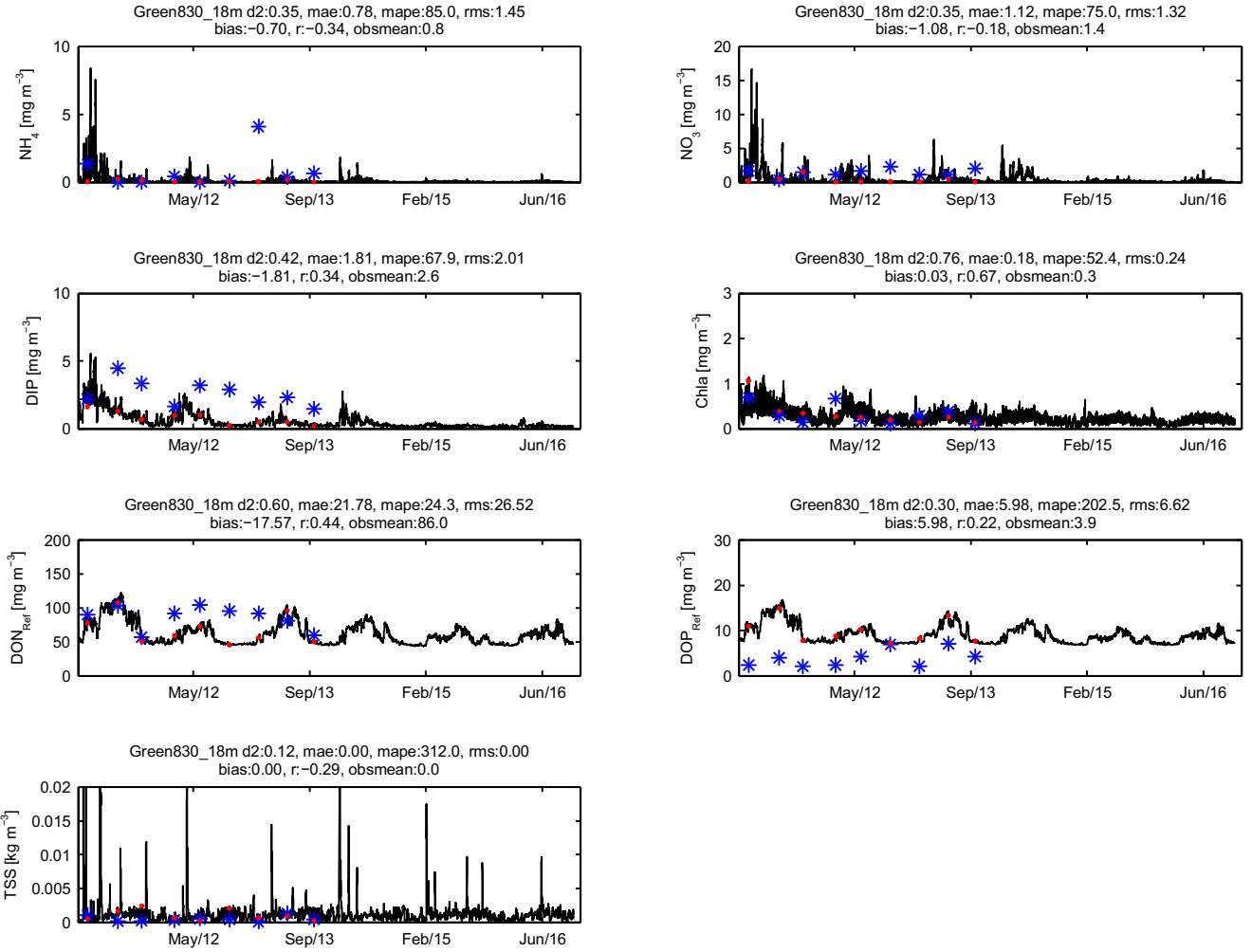


Figure 73: Green Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 18 m. Model grid deepest point at this site -34.66 m. Observation deepest point at this site 38.0 to 39.5 m.

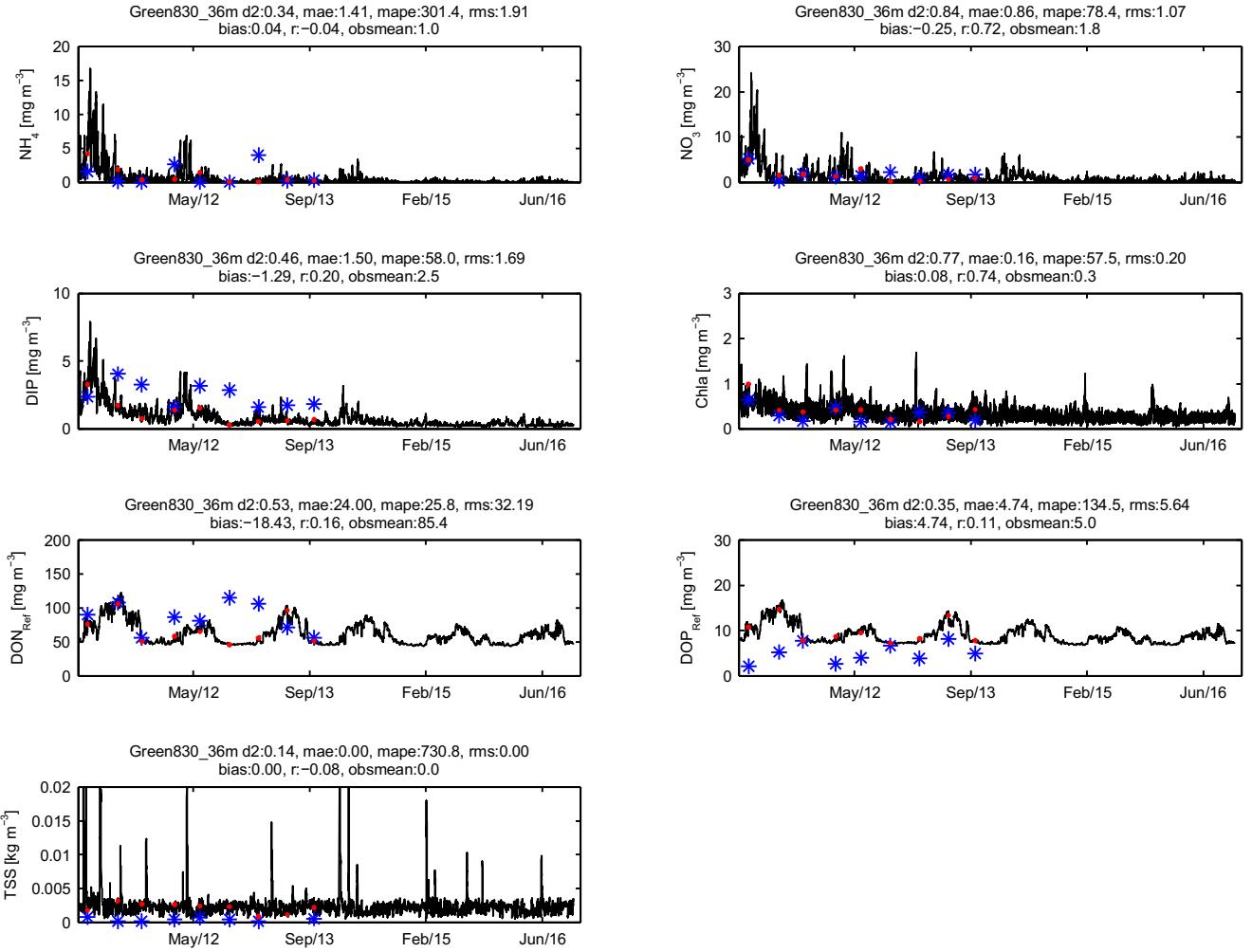


Figure 74: Green Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 36 m. Model grid deepest point at this site -34.66 m. Observation deepest point at this site 38.0 to 39.5 m.

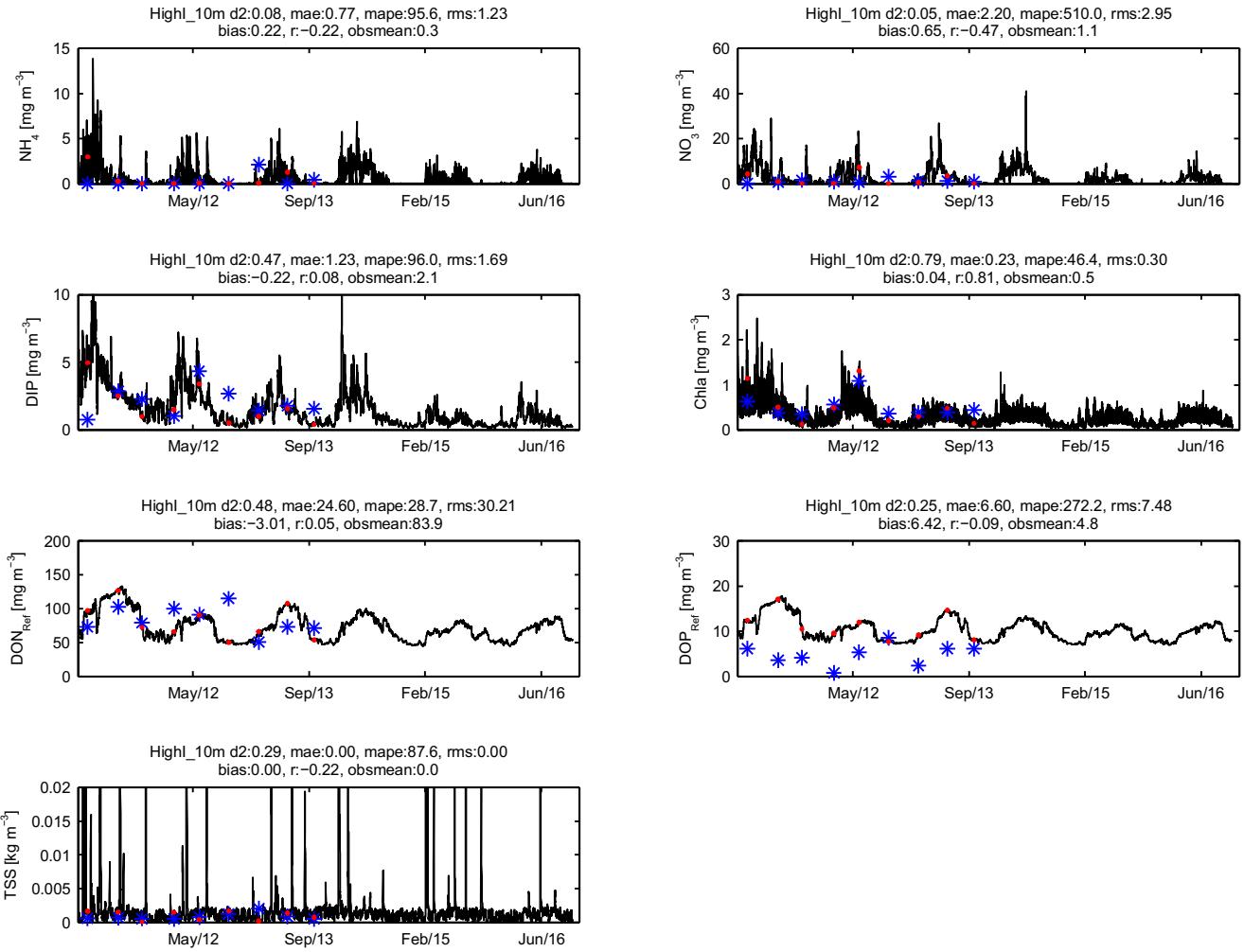


Figure 75: High Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site -17.64 m. Observation deepest point at this site 22.0 to 25.3 m.

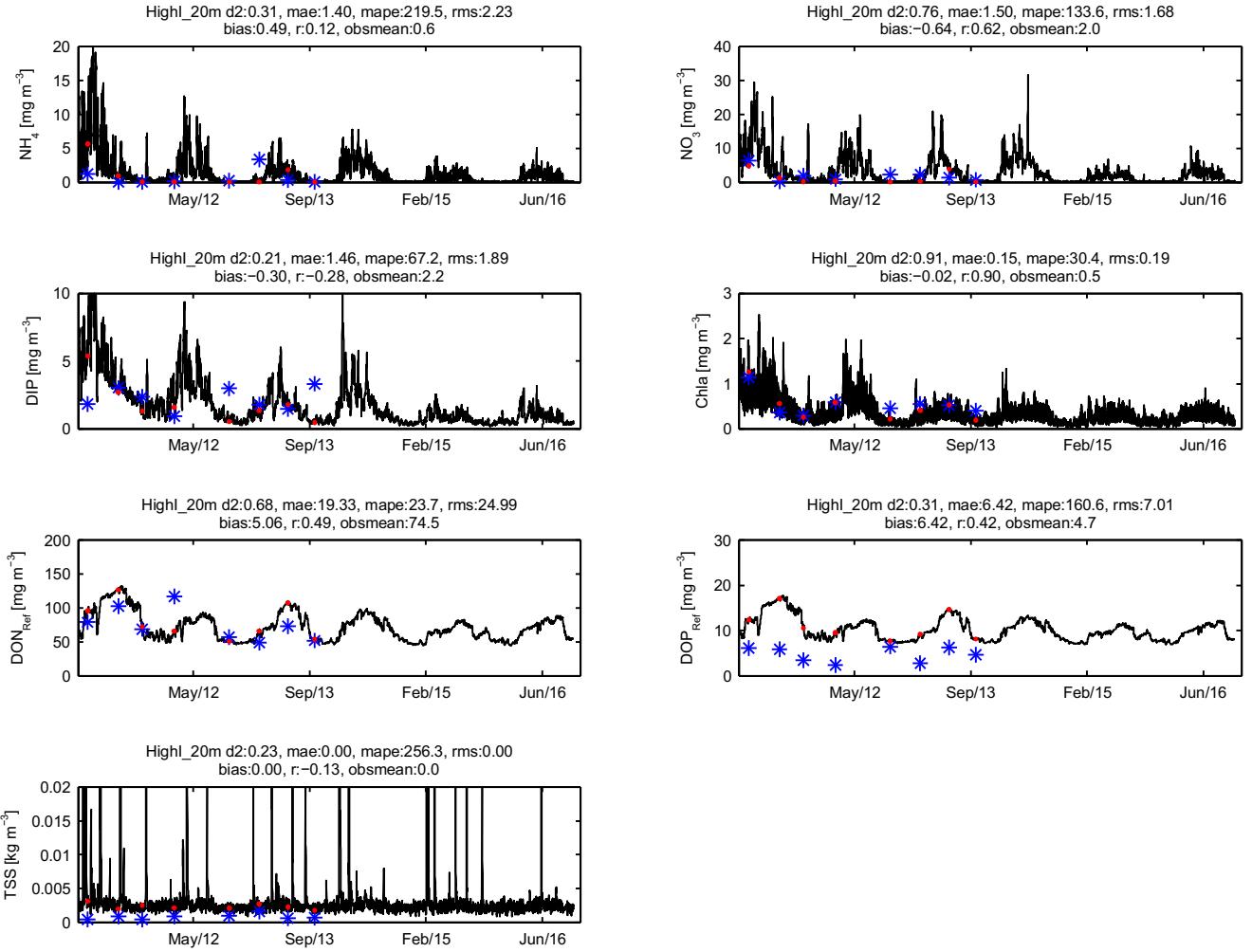


Figure 76: High Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 20 m. Model grid deepest point at this site -17.64 m. Observation deepest point at this site 22.0 to 25.3 m.

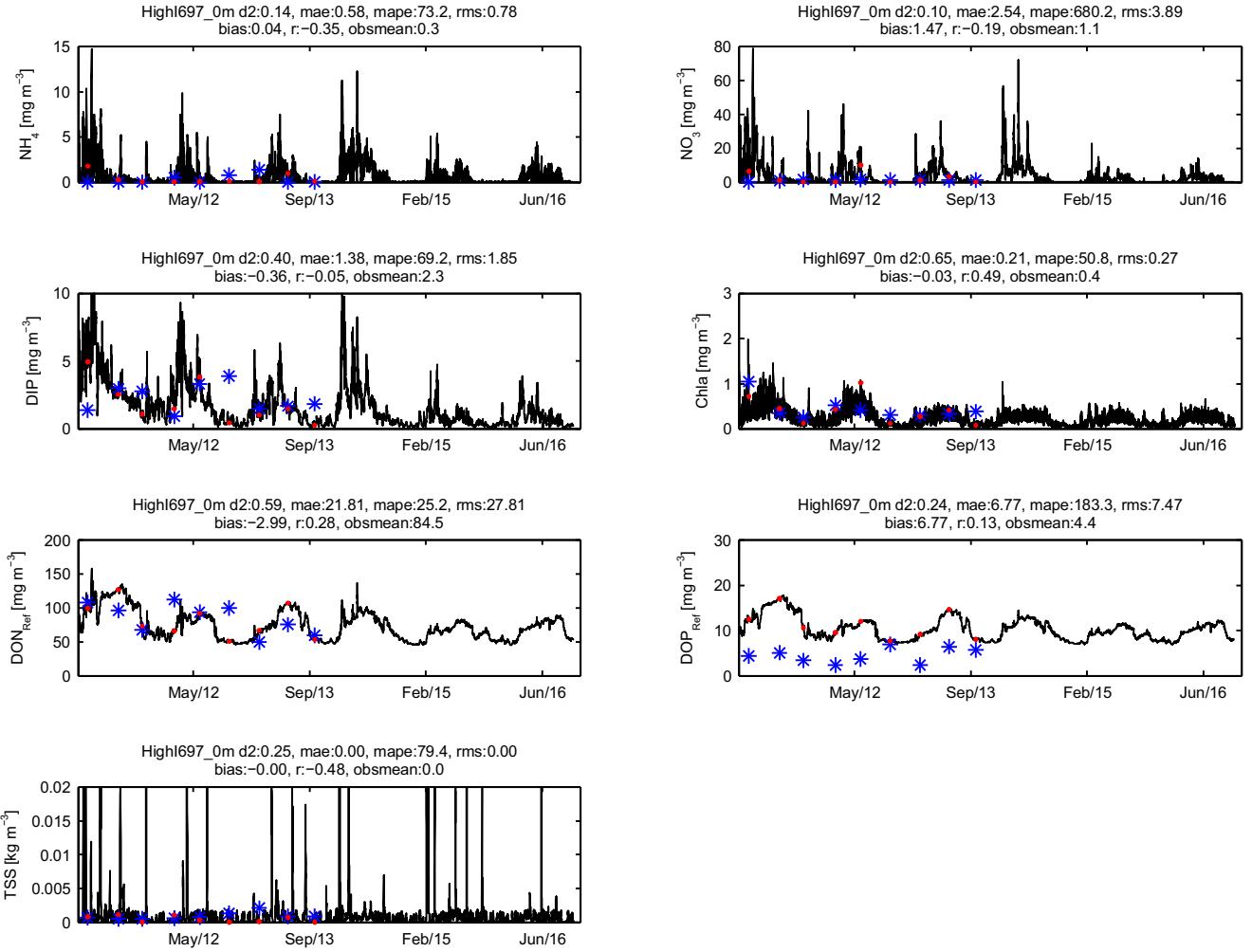


Figure 77: High Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 0 m. Model grid deepest point at this site -17.64 m. Observation deepest point at this site 22.0 to 25.3 m.

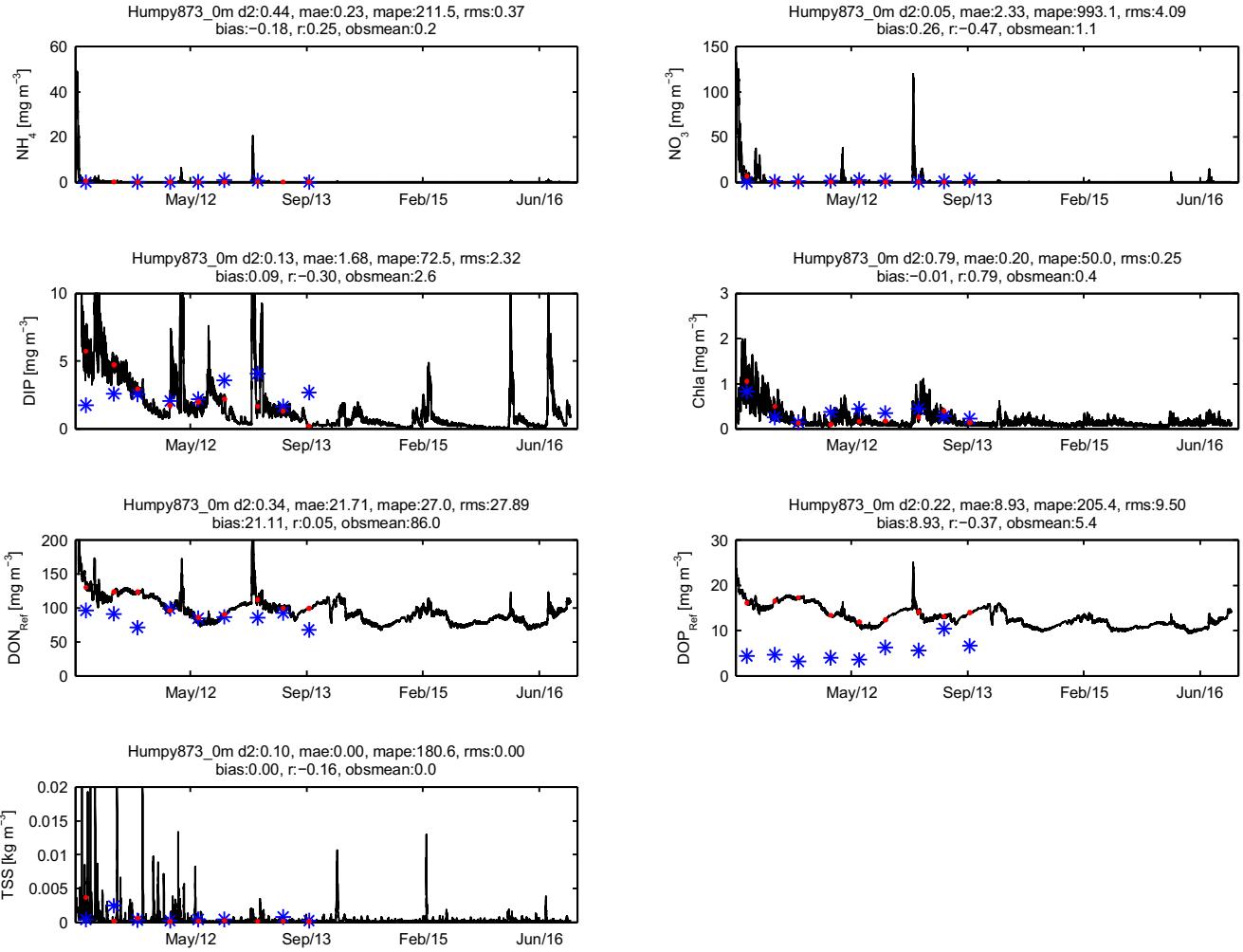


Figure 78: Humpy Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 0 m. Model grid deepest point at this site -12.86 m. Observation deepest point at this site 12.6 to 19.5 m.

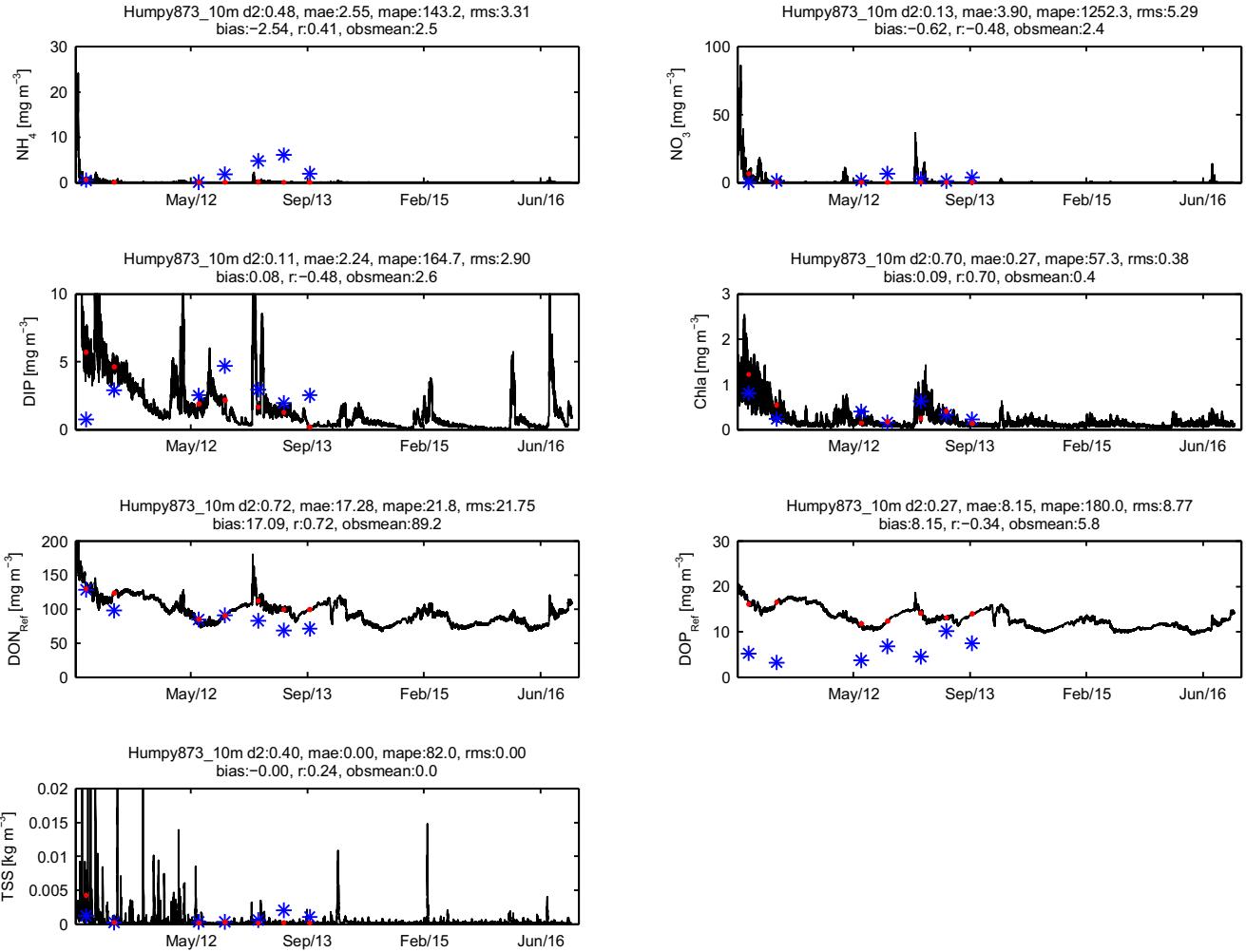


Figure 79: Humpy Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site -12.86 m. Observation deepest point at this site 12.6 to 19.5 m.

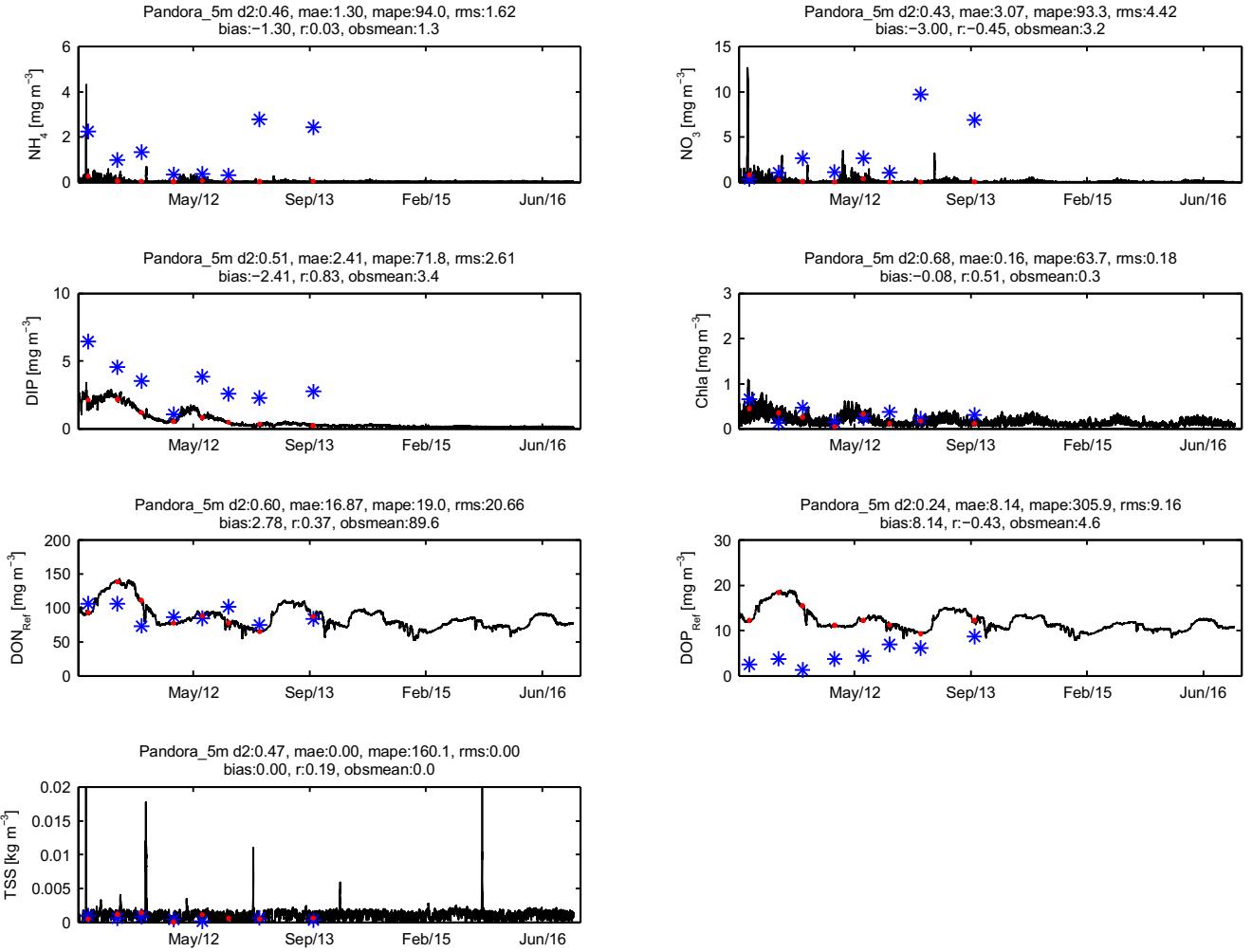


Figure 80: Pandora Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 5 m. Model grid deepest point at this site -16.98 m. Observation deepest point at this site 12.9 to 13.9 m.

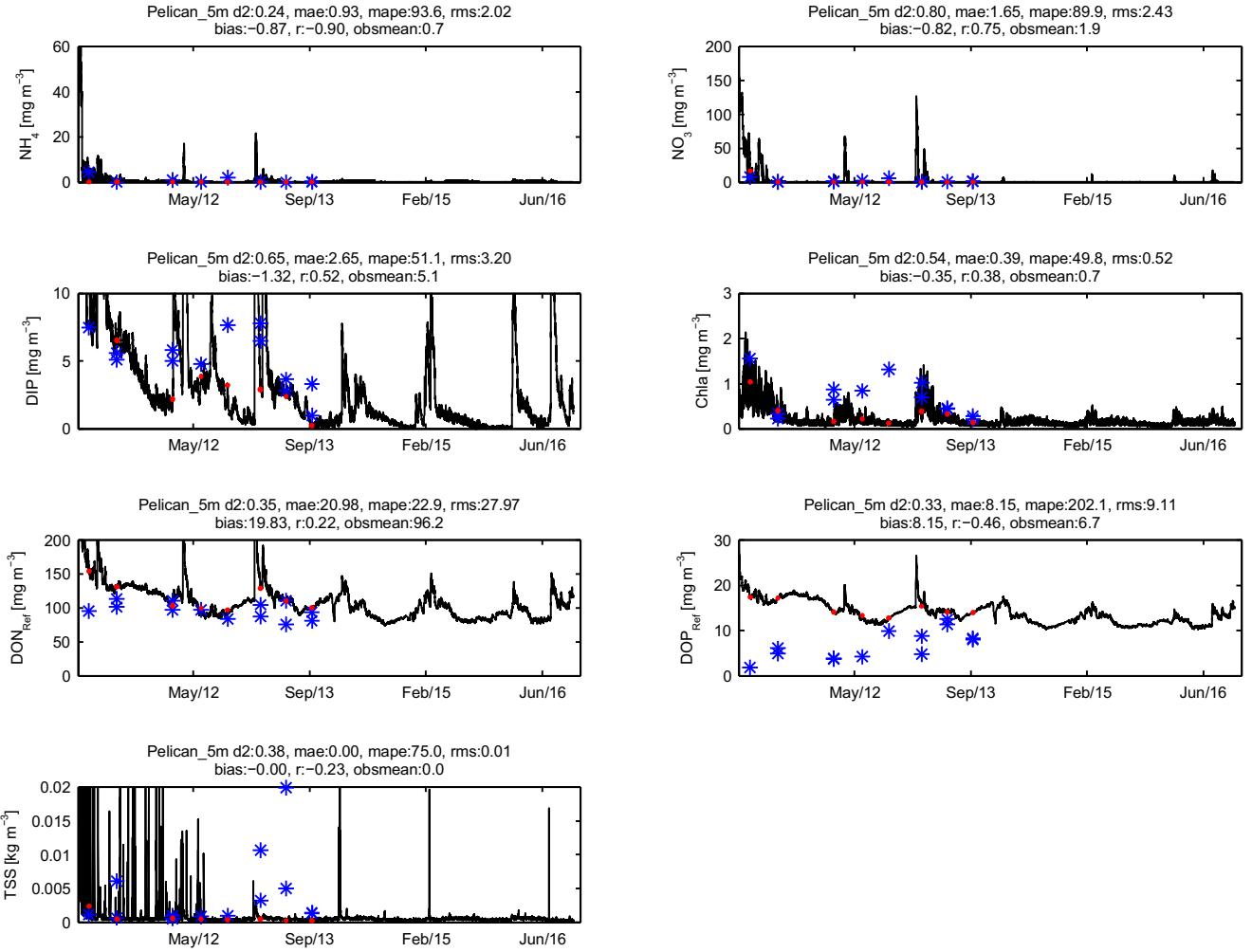


Figure 81: Pelican Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 5 m. Model grid deepest point at this site -4.47 m. Observation deepest point at this site 8.8 to 9.7 m.

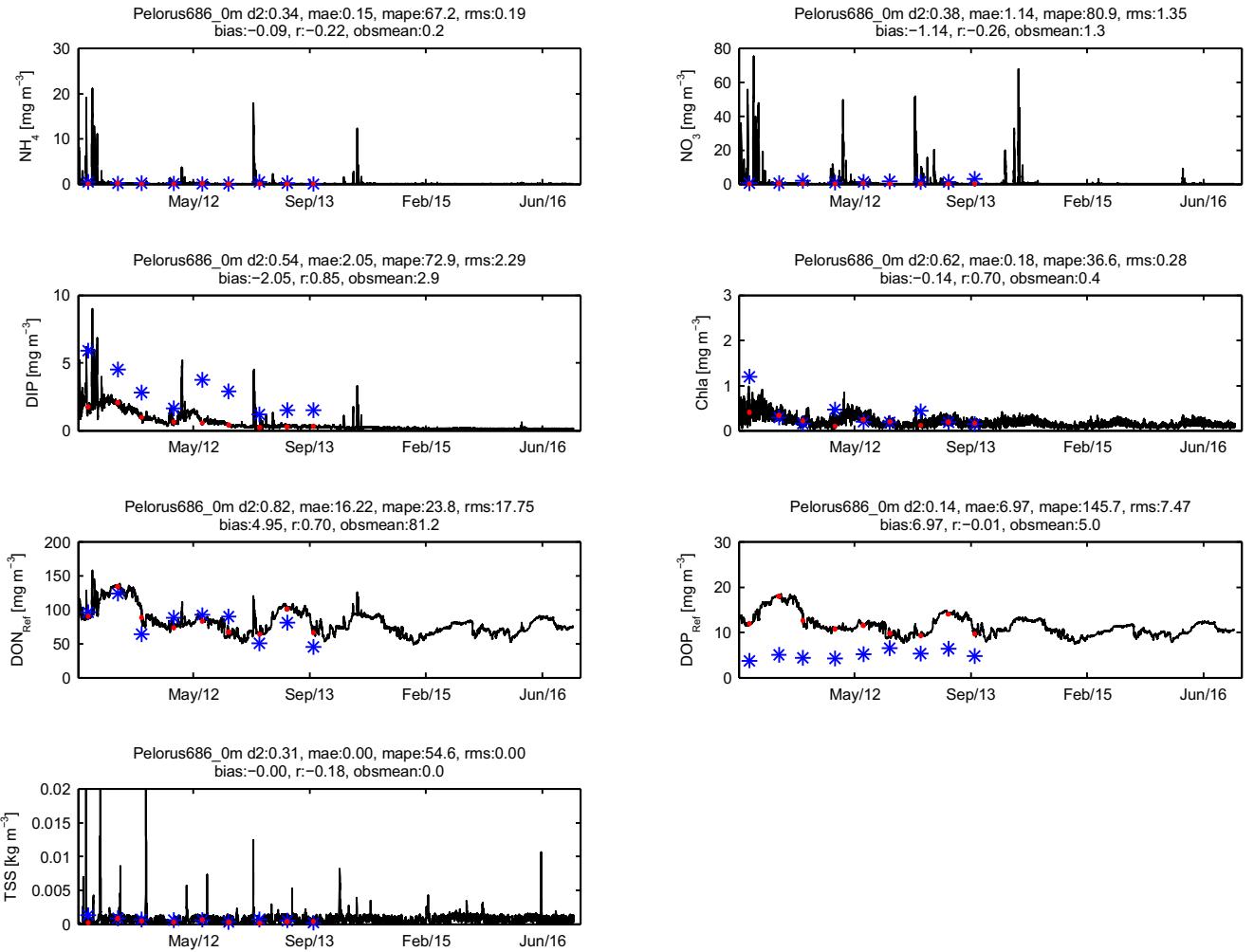


Figure 82: Pelorous/Orpheus Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site -24.64 m. Observation deepest point at this site 25.3 to 31.4 m.

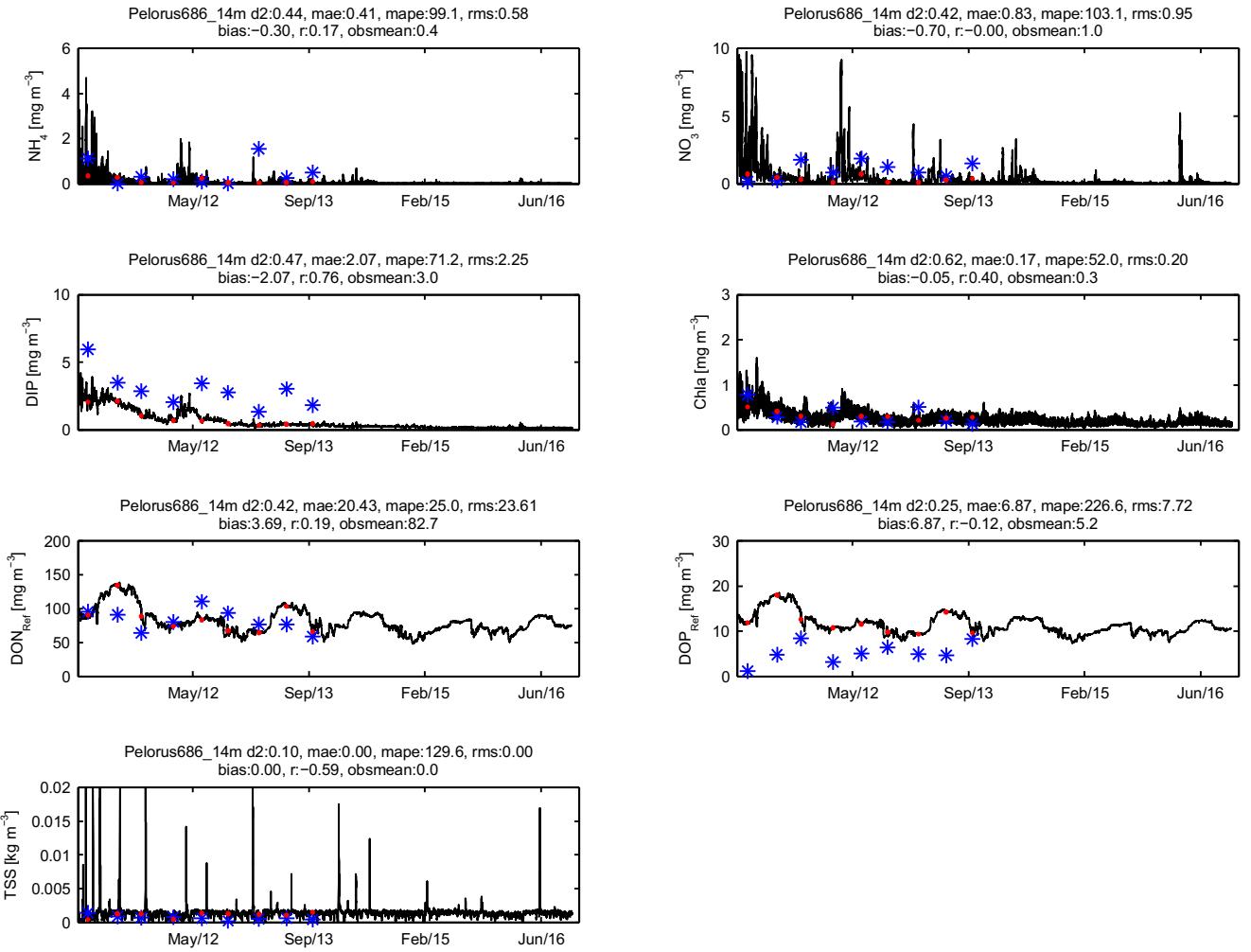


Figure 83: Pelorous/Orpheus Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 14 m. Model grid deepest point at this site -24.64 m. Observation deepest point at this site 25.3 to 31.4 m.

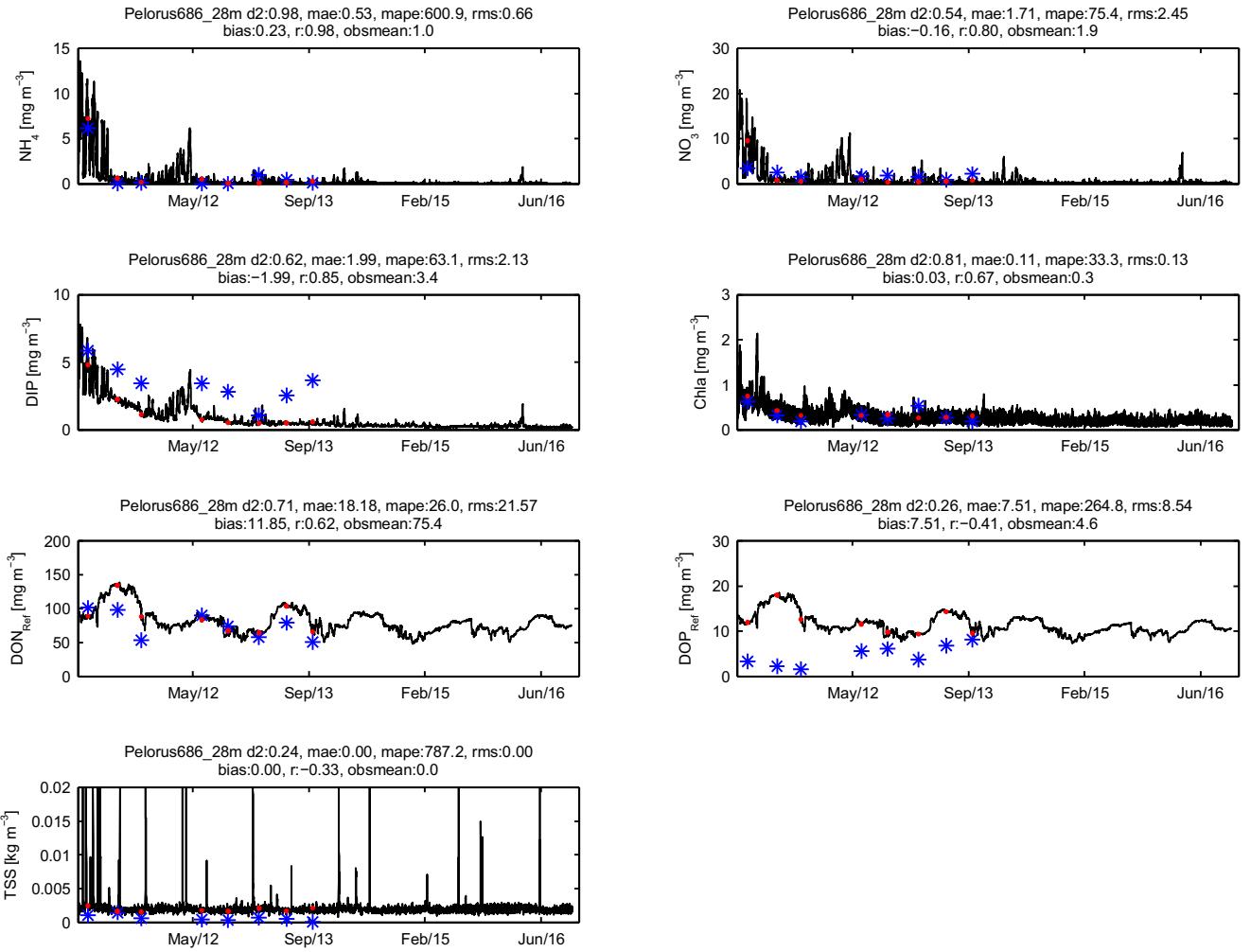


Figure 84: Pelorous/Orpheus Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 28 m. Model grid deepest point at this site -24.64 m. Observation deepest point at this site 25.3 to 31.4 m.

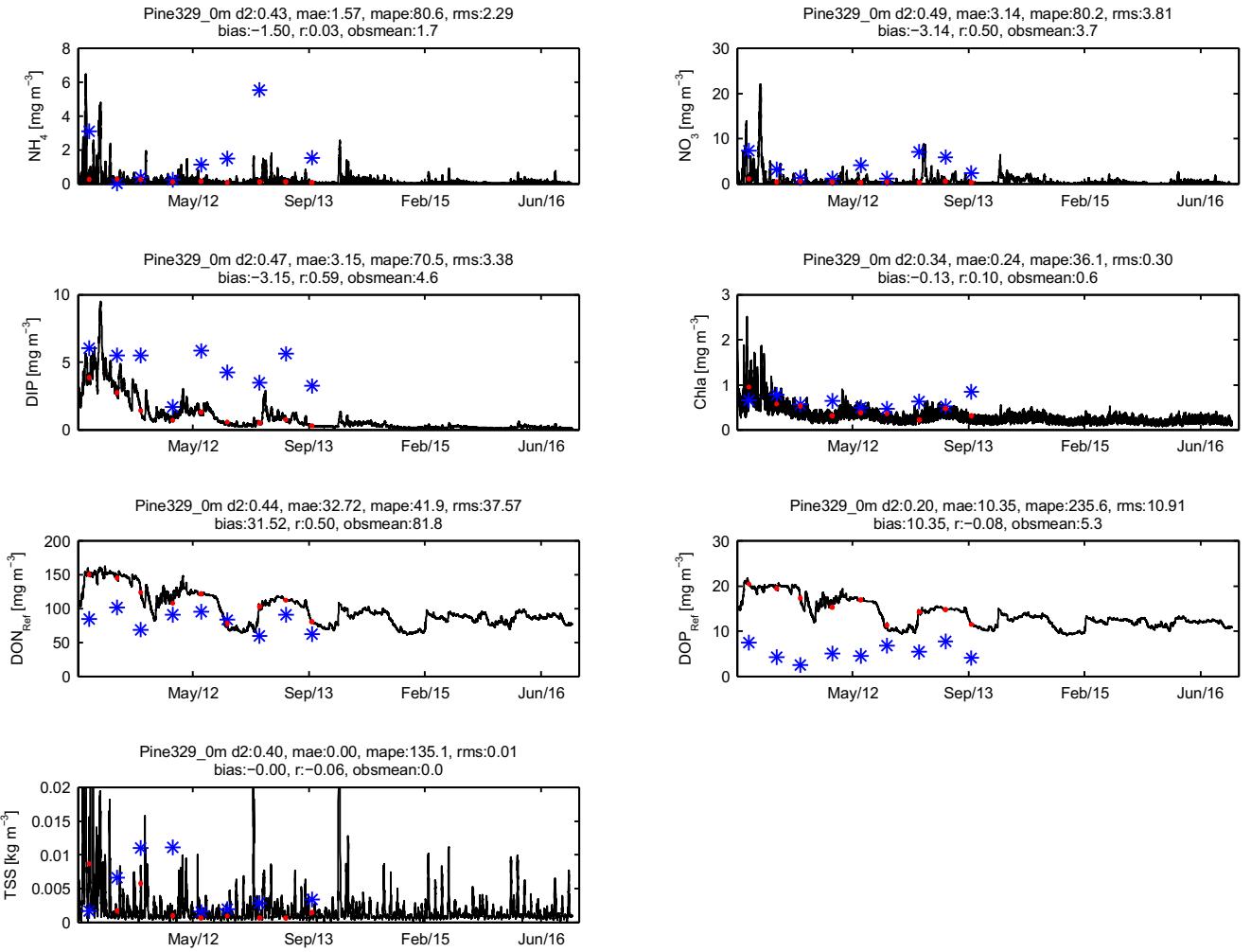


Figure 85: Pine Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{model}/\text{NTU}_{obs}$. Field observation depth taken: 0 m. Model grid deepest point at this site -18.14 m. Observation deepest point at this site 20.0 to 25.7 m.

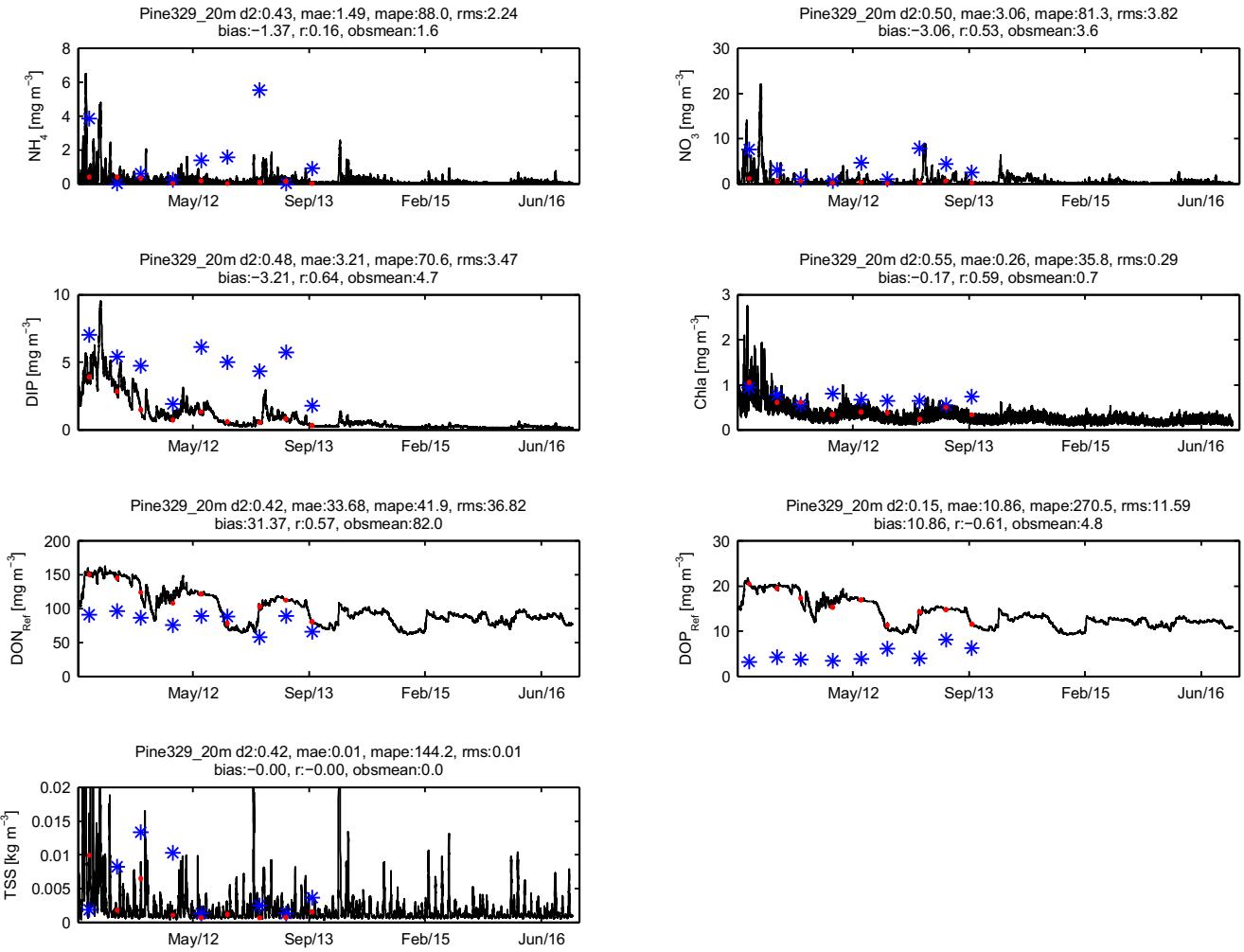


Figure 86: Pine Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 20 m. Model grid deepest point at this site -18.14 m. Observation deepest point at this site 20.0 to 25.7 m.

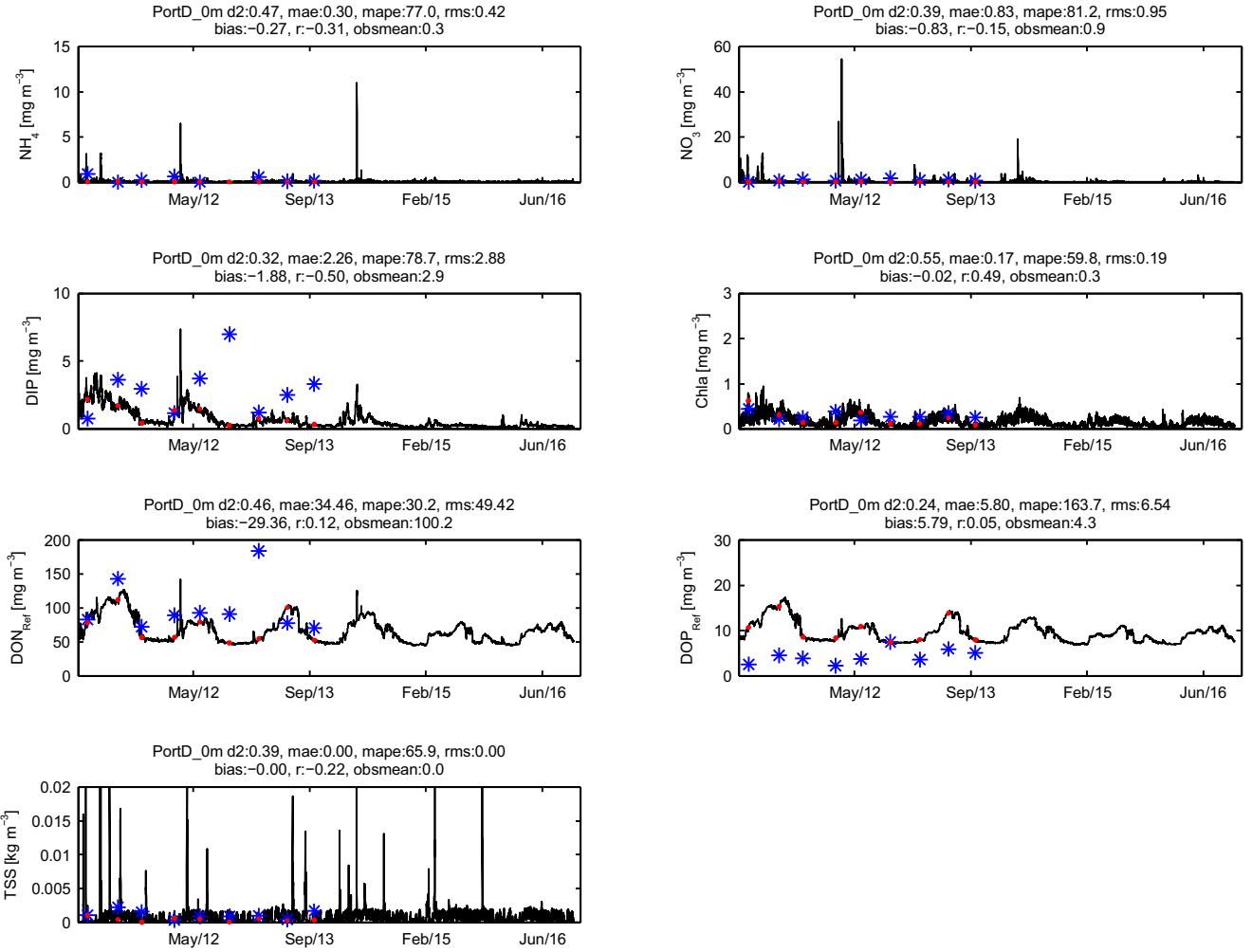


Figure 87: Port Douglas AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site -18.44 m. Observation deepest point at this site 15.2 to 17.1 m.

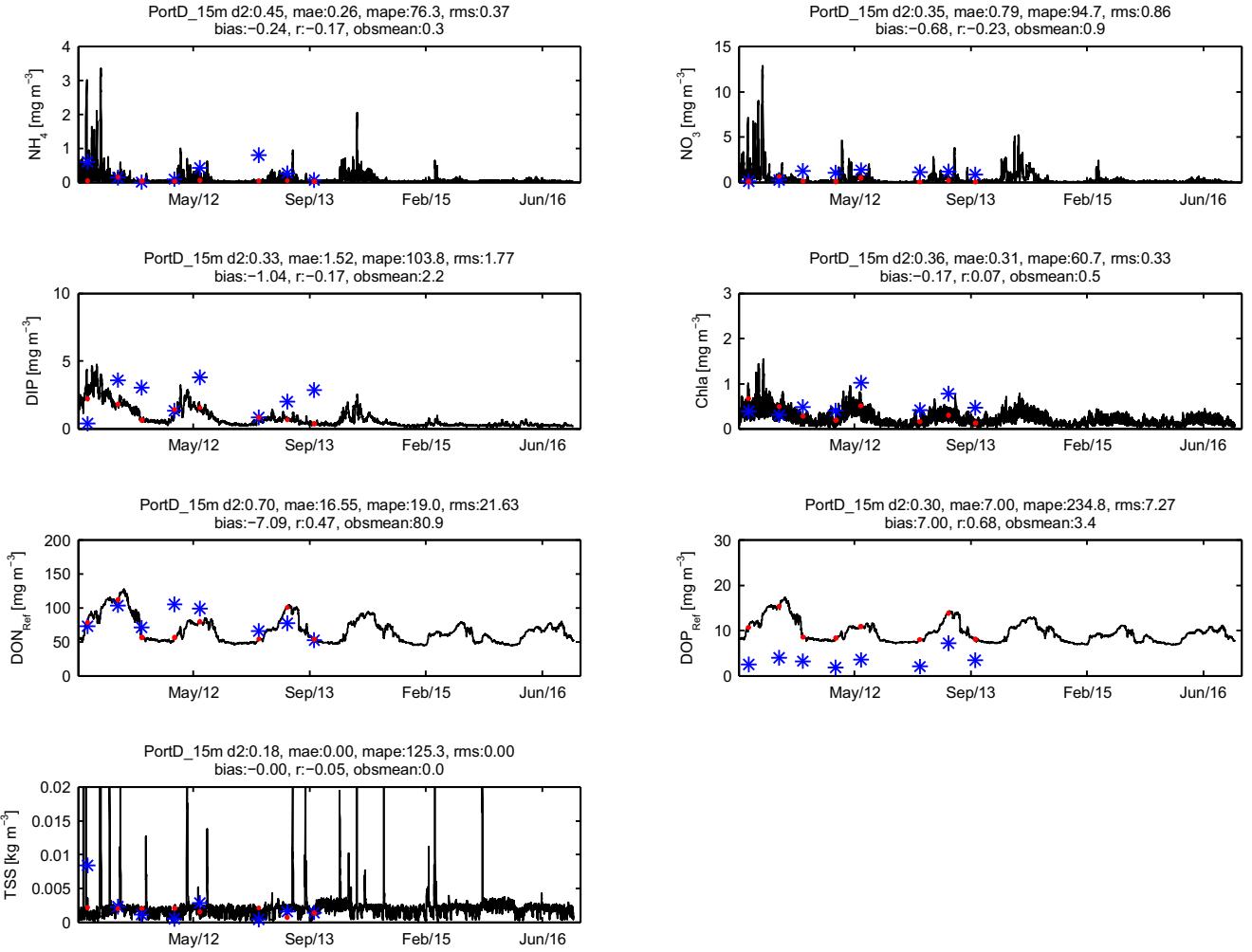


Figure 88: Port Douglas AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll a , DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 15 m. Model grid deepest point at this site -18.44 m. Observation deepest point at this site 15.2 to 17.1 m.

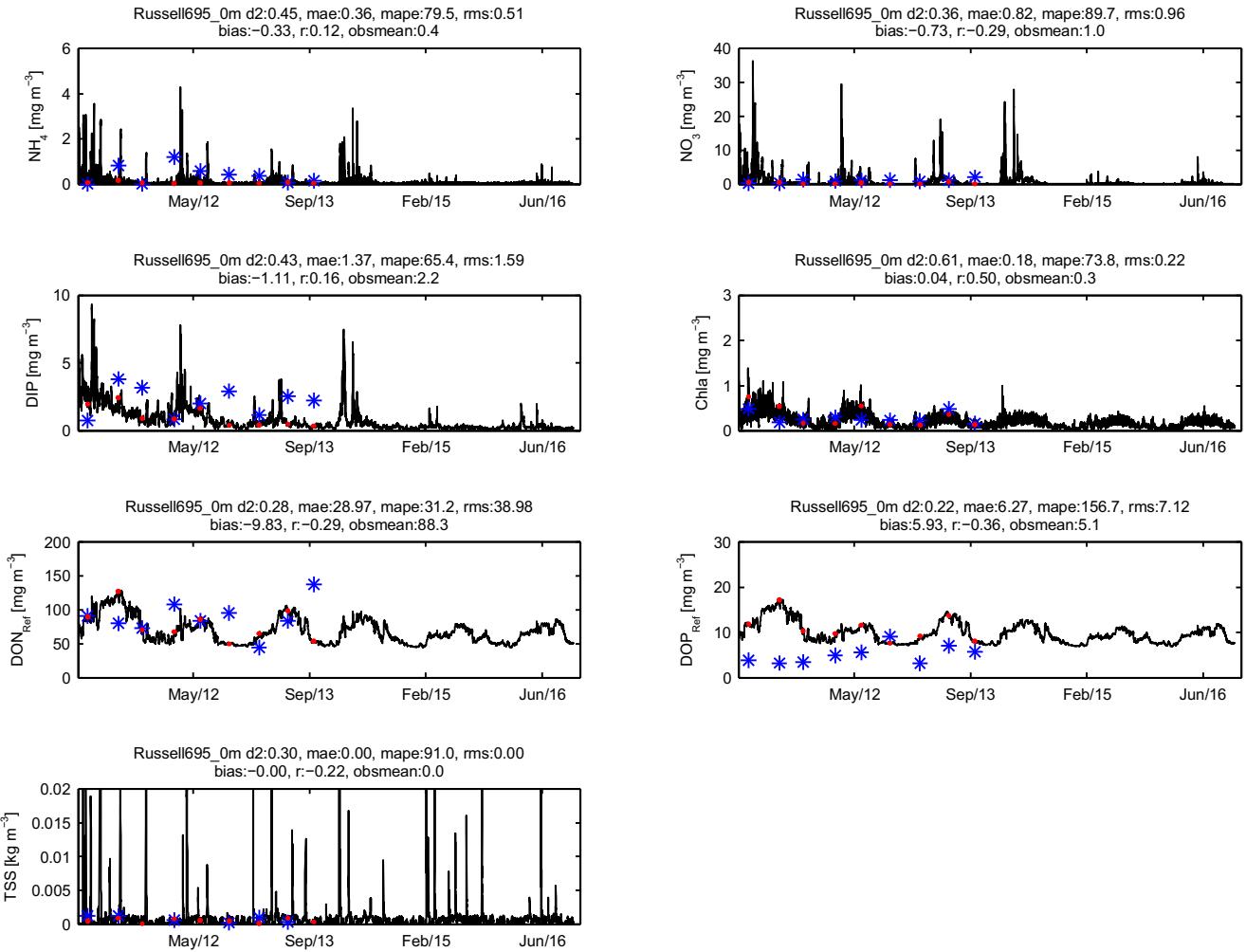


Figure 89: Russell Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 0 m. Model grid deepest point at this site -19.94 m. Observation deepest point at this site 22.0 to 23.7 m.

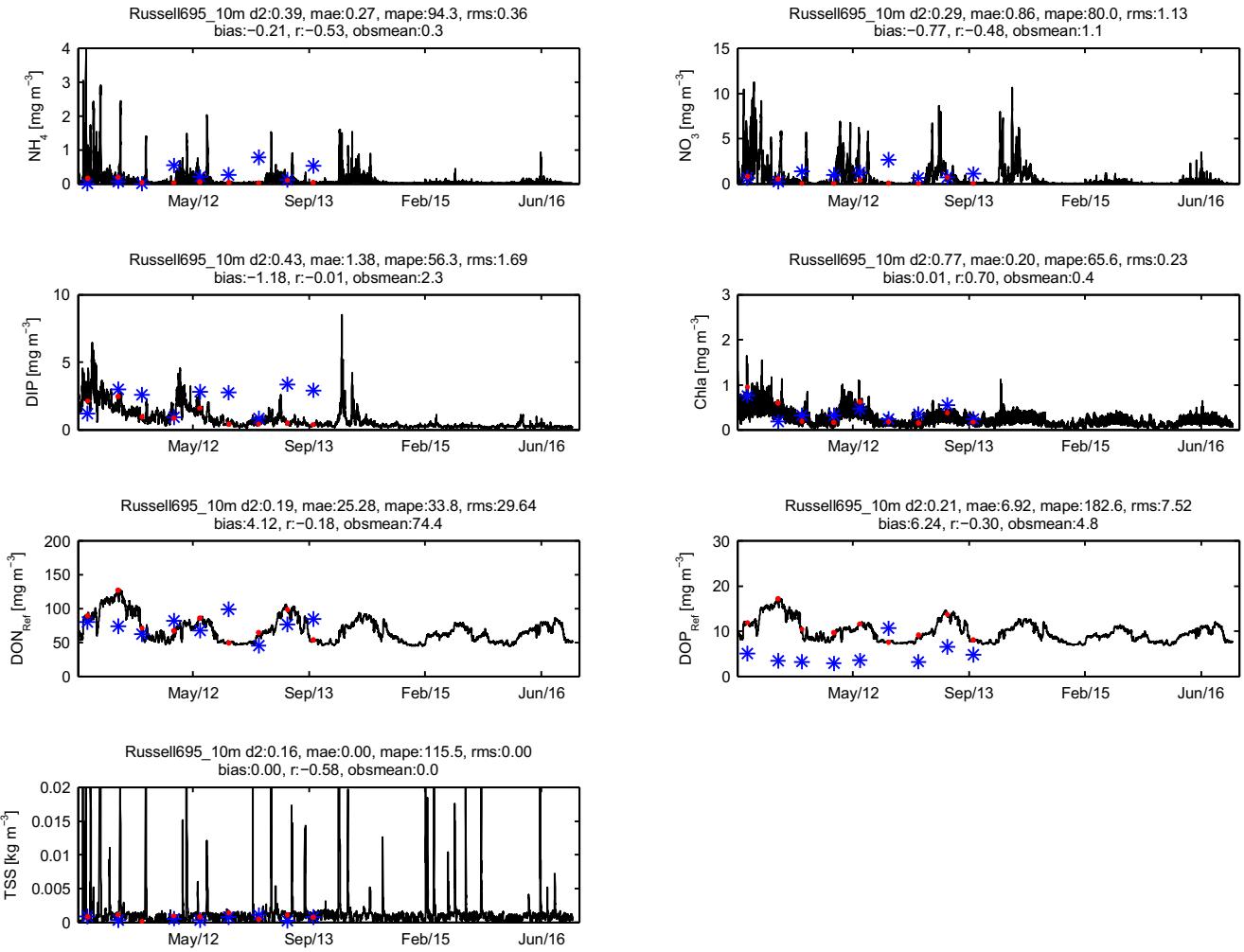


Figure 90: Russell Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site -19.94 m. Observation deepest point at this site 22.0 to 23.7 m.

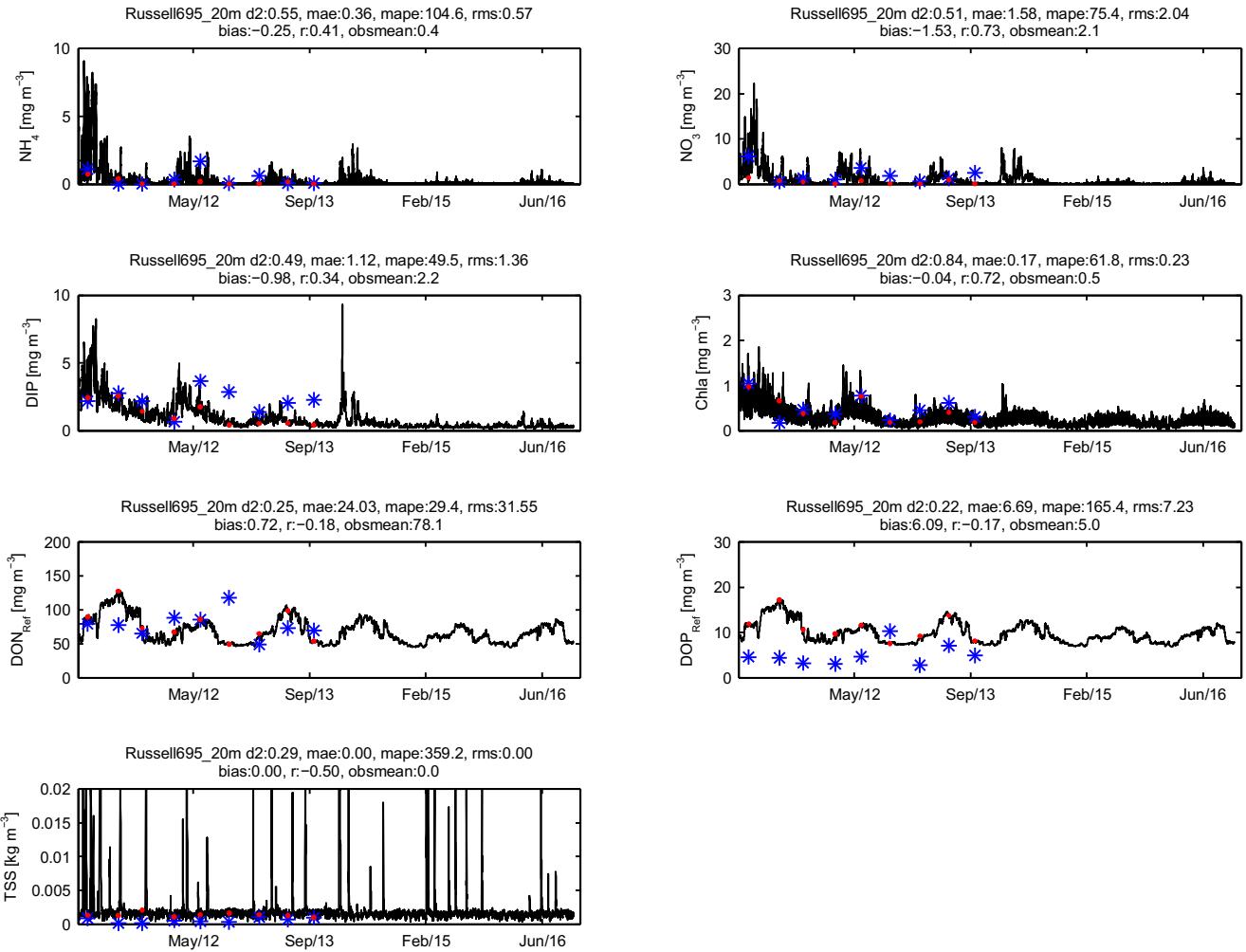


Figure 91: Russell Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP , Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 20 m. Model grid deepest point at this site -19.94 m. Observation deepest point at this site 22.0 to 23.7 m.

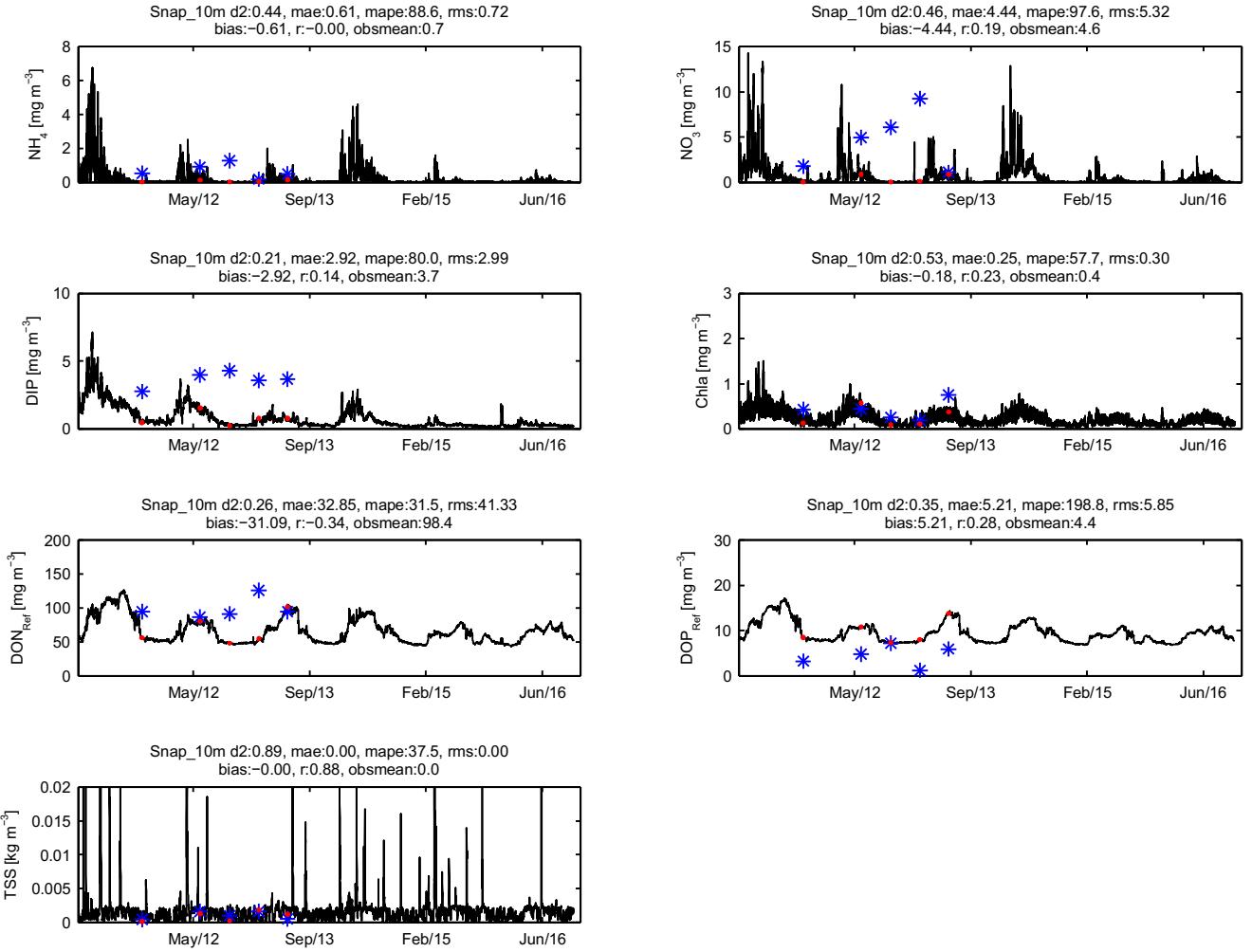


Figure 92: Snapper Island AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 10 m. Model grid deepest point at this site -22.14 m. Observation deepest point at this site 8.0 to 11.2 m.

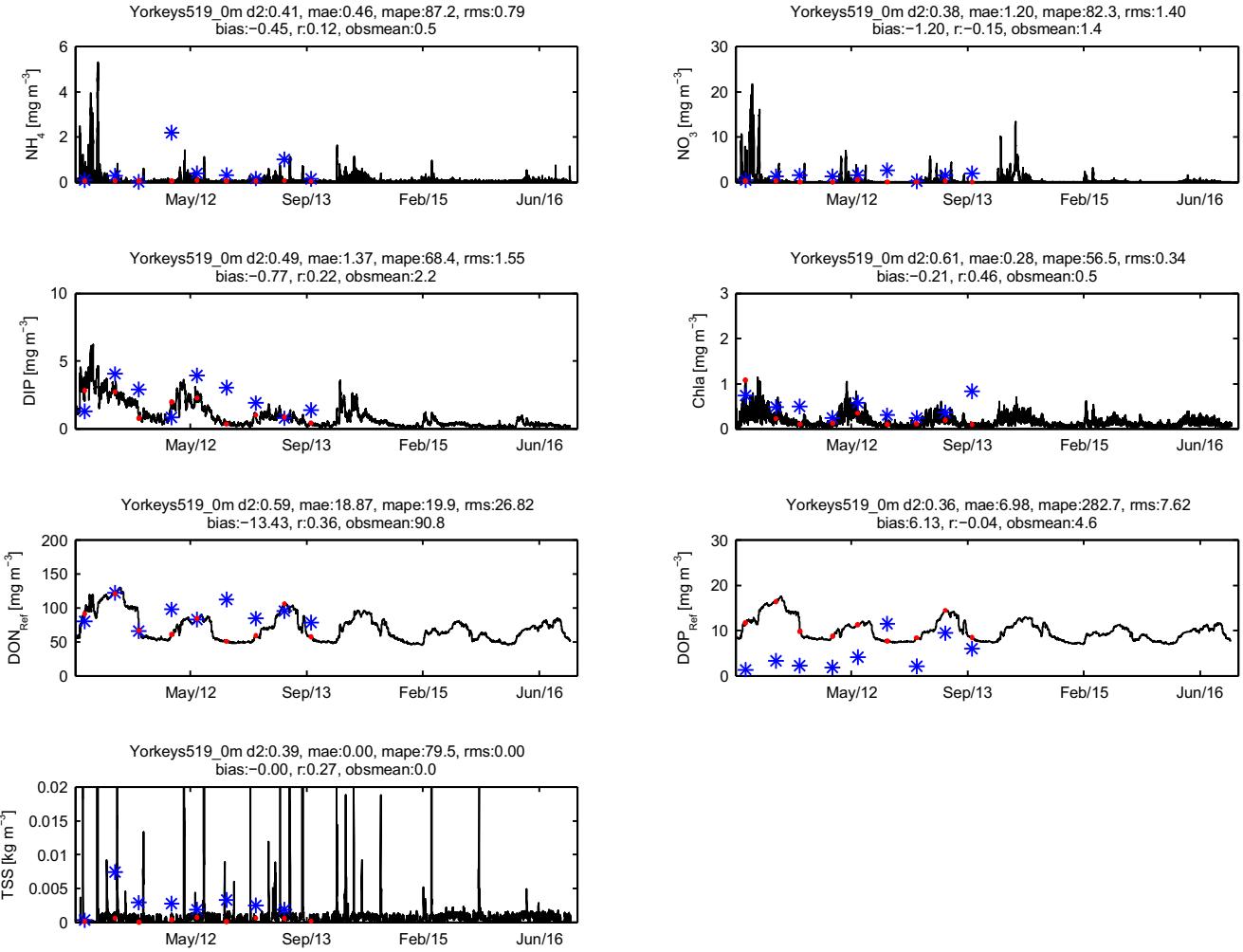


Figure 93: Yorkeys Knob AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH₄, NO₃, DIP, Chlorophyll *a*, DON_{refr}, DOP_{refr}, EFI_{model}/NTU_{obs}. Field observation depth taken: 0 m. Model grid deepest point at this site -10.5 m. Observation deepest point at this site 10.6 to 11.9 m.

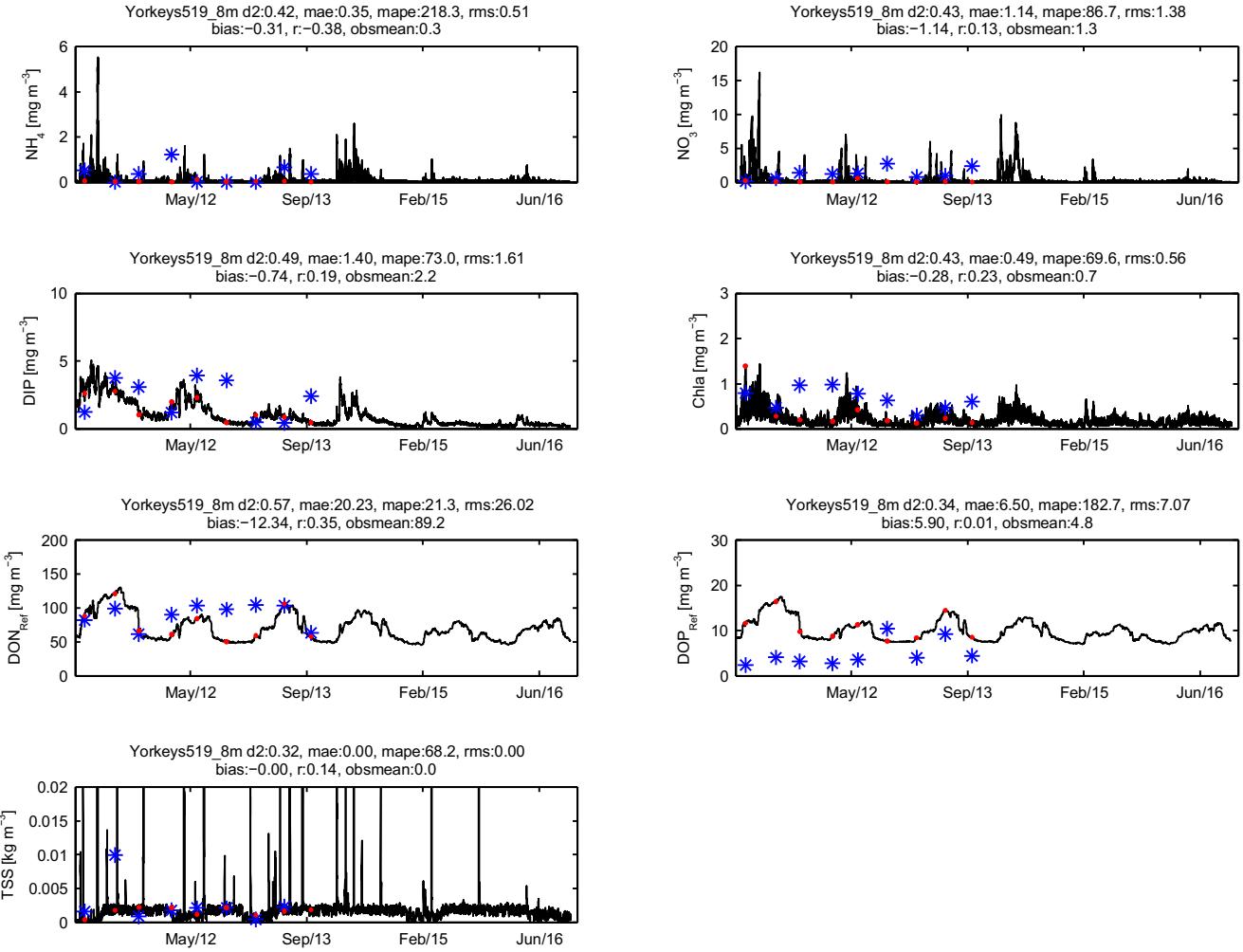


Figure 94: Yorkeys Knob AIMS Water Quality Monitoring (WQM) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = NH_4 , NO_3 , DIP, Chlorophyll *a*, DON_{refr} , DOP_{refr} , $\text{EFI}_{\text{model}}/\text{NTU}_{\text{obs}}$. Field observation depth taken: 8 m. Model grid deepest point at this site -10.5 m. Observation deepest point at this site 10.6 to 11.10 m.

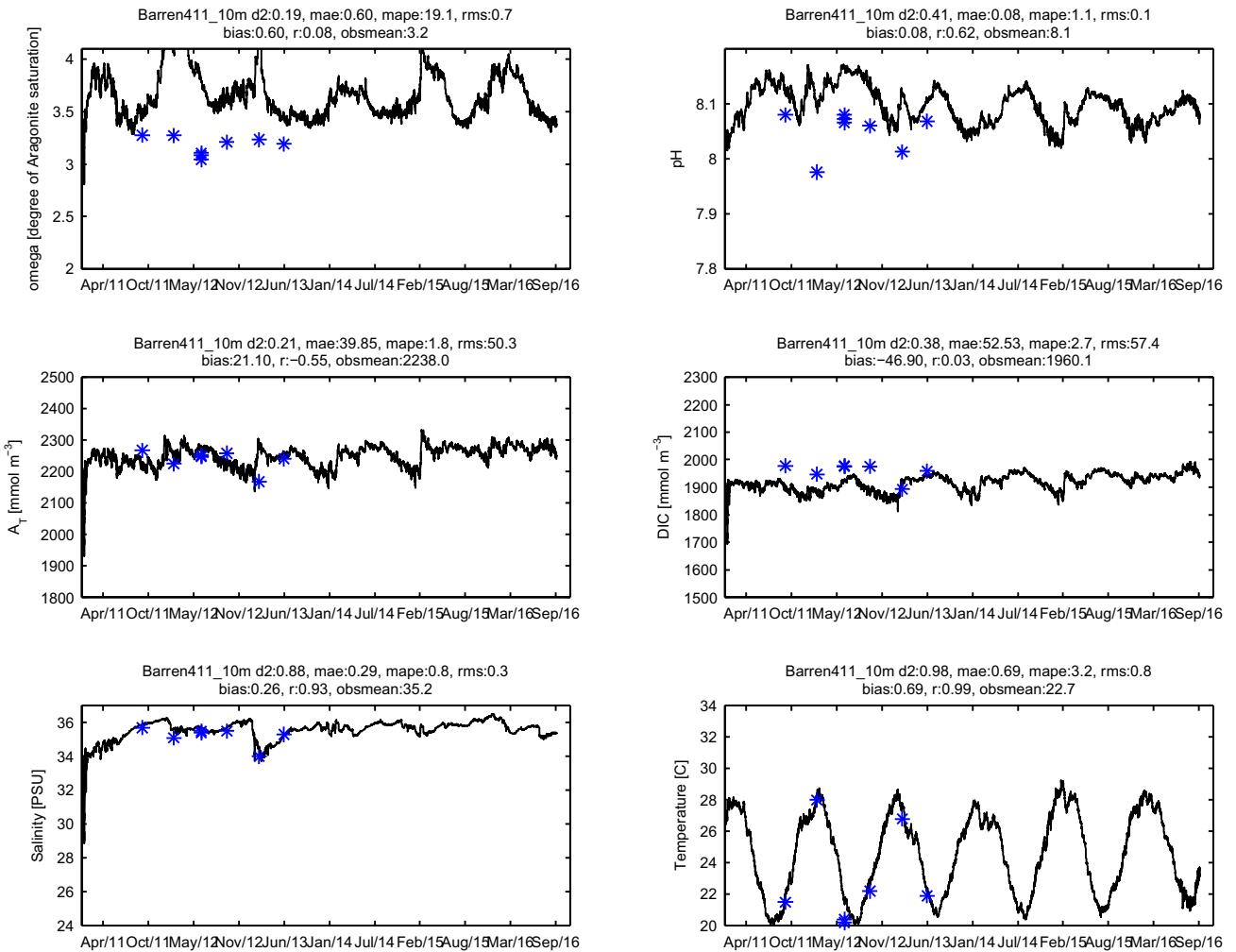


Figure 95: Barren Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 10 m. Model grid deepest point at this site 24.26 m. Observation deepest point at this site 15.2 to 18.9 m.

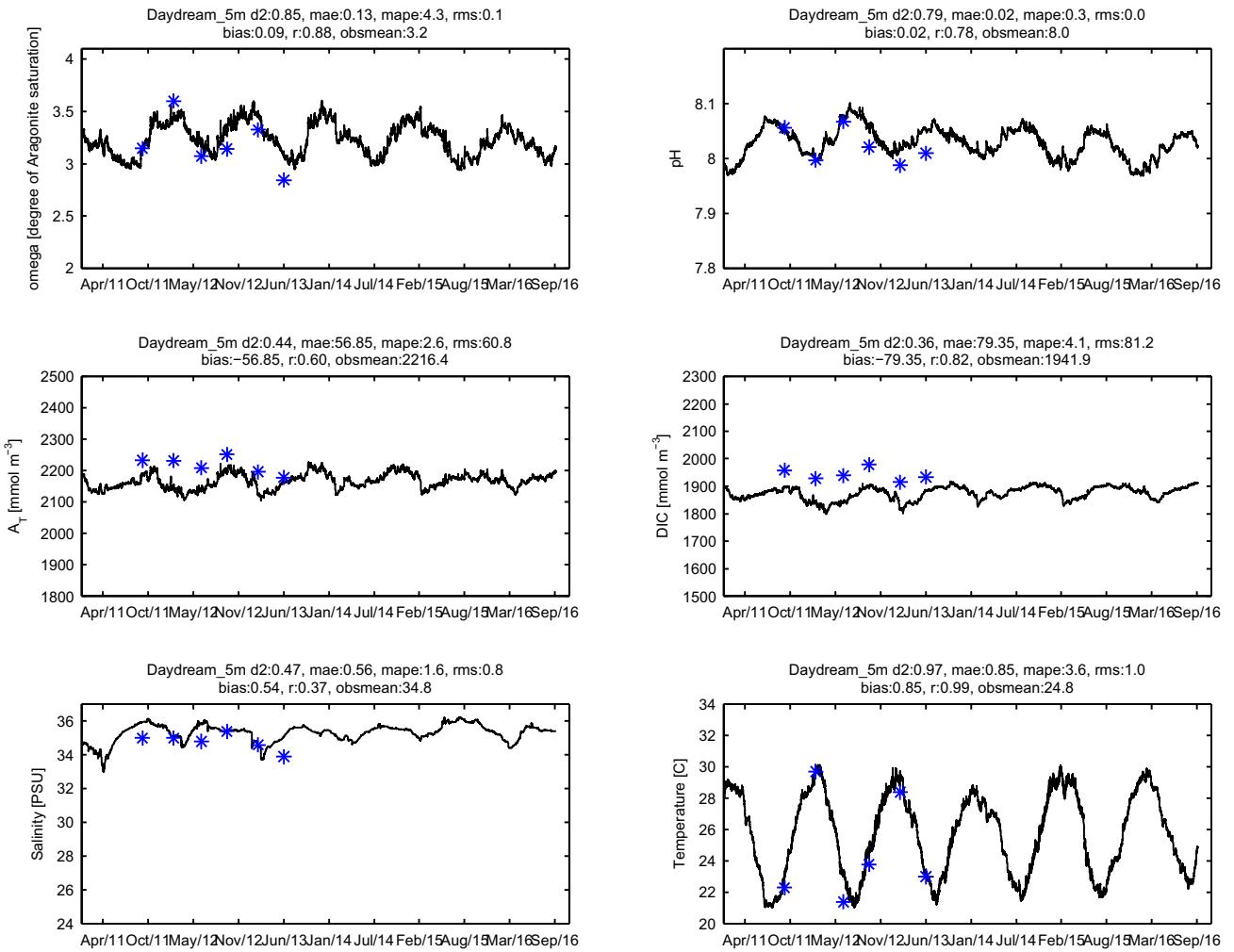


Figure 96: Daydream Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site 16.76 m. Observation deepest point at this site 23.6 to 25.9 m.

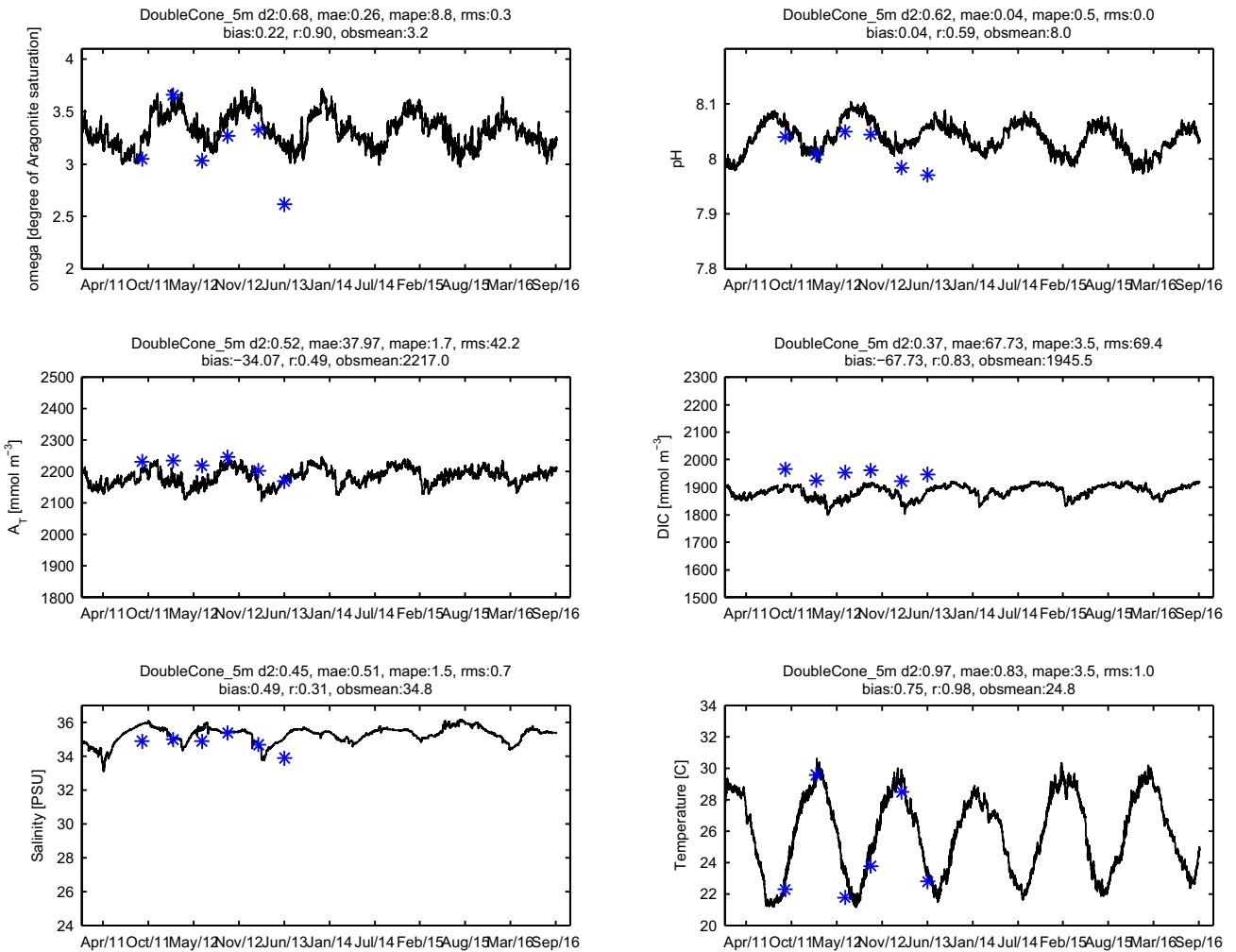


Figure 97: Double Cone Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site 17.03 m. Observation deepest point at this site 23.0 to 31.0 m.

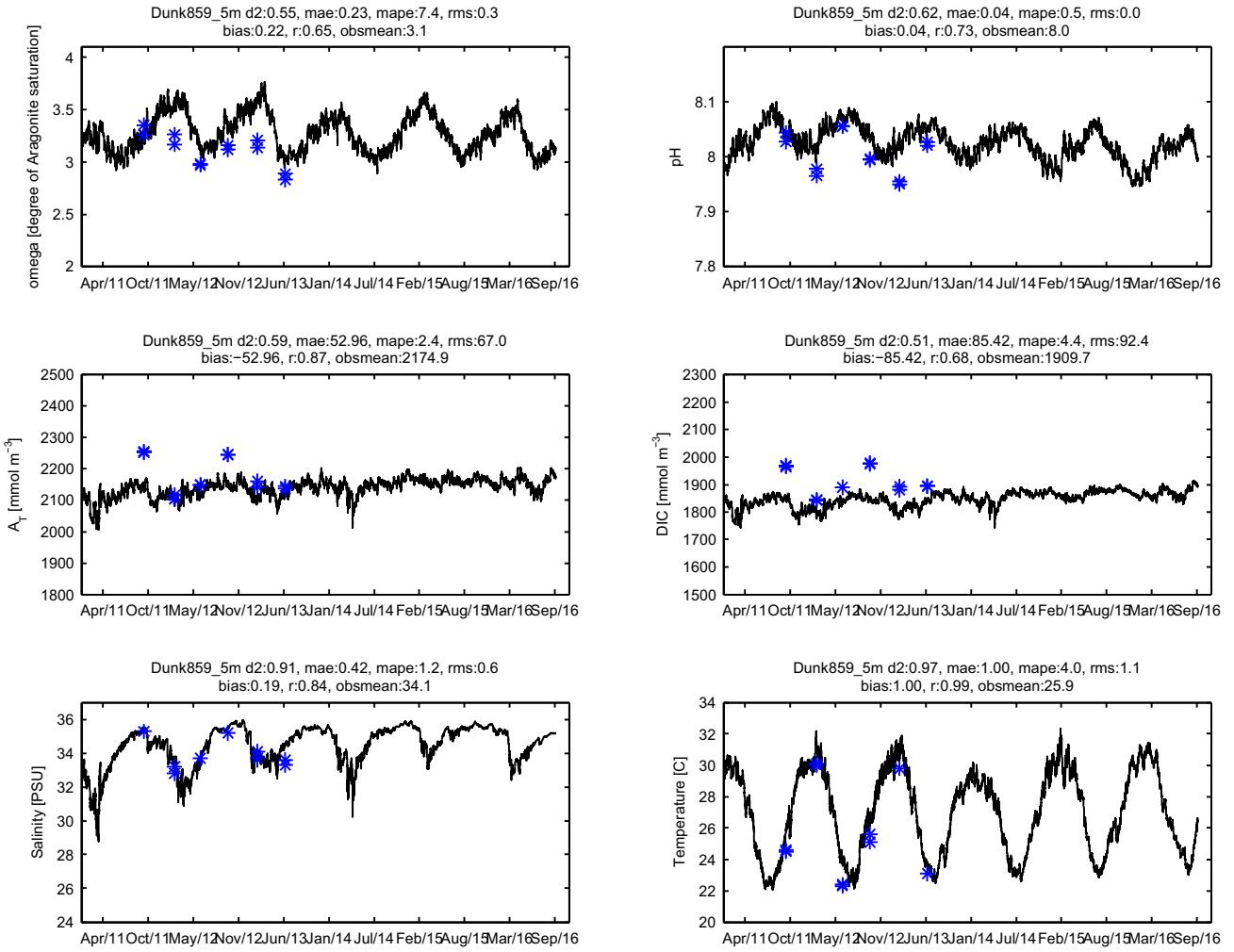


Figure 98: Dunk Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site 9.15 m. Observation deepest point at this site 9.0 to 10.4 m.

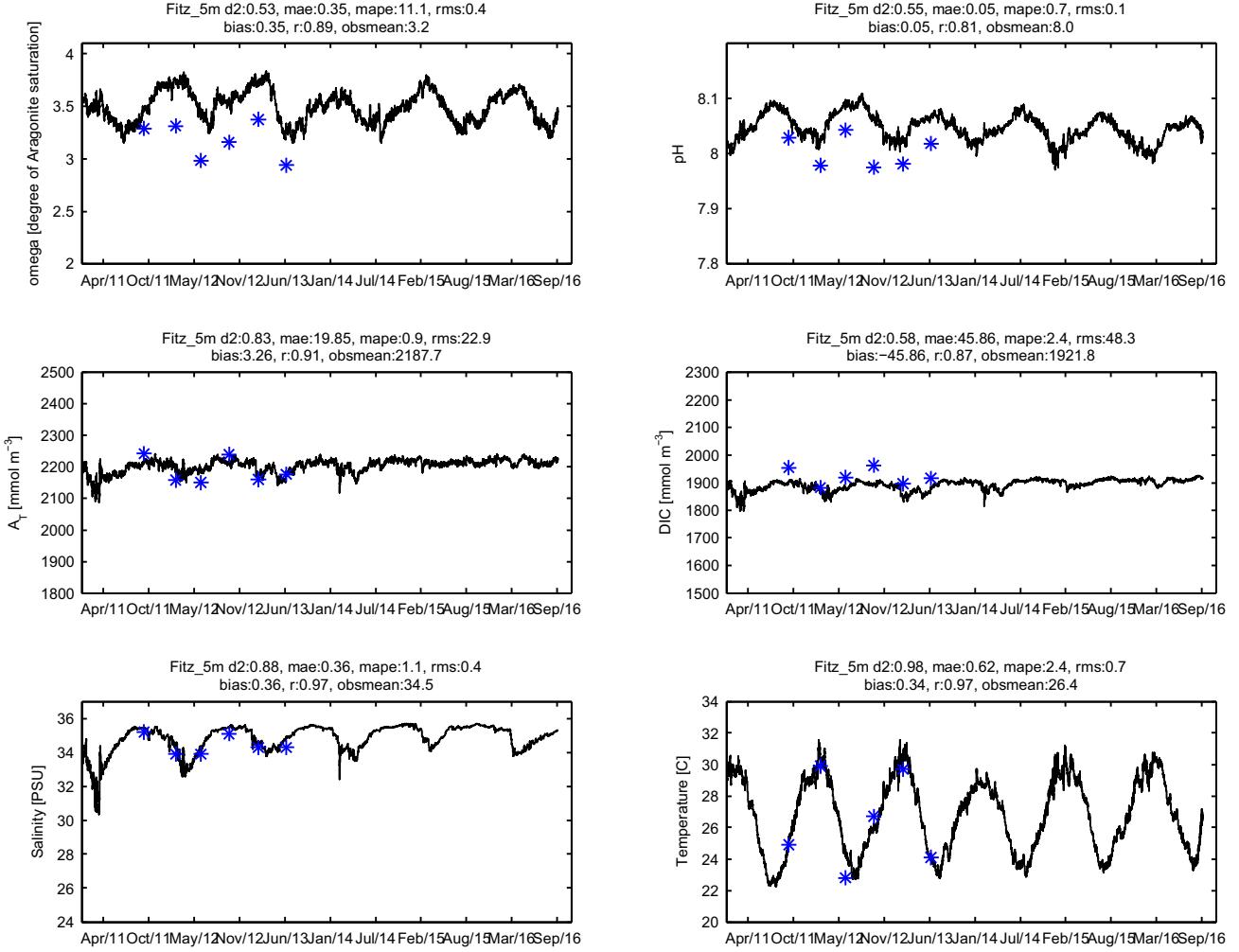


Figure 99: Fitzroy Reef Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site 27 m. Observation deepest point at this site 15.5 to 17.2 m.

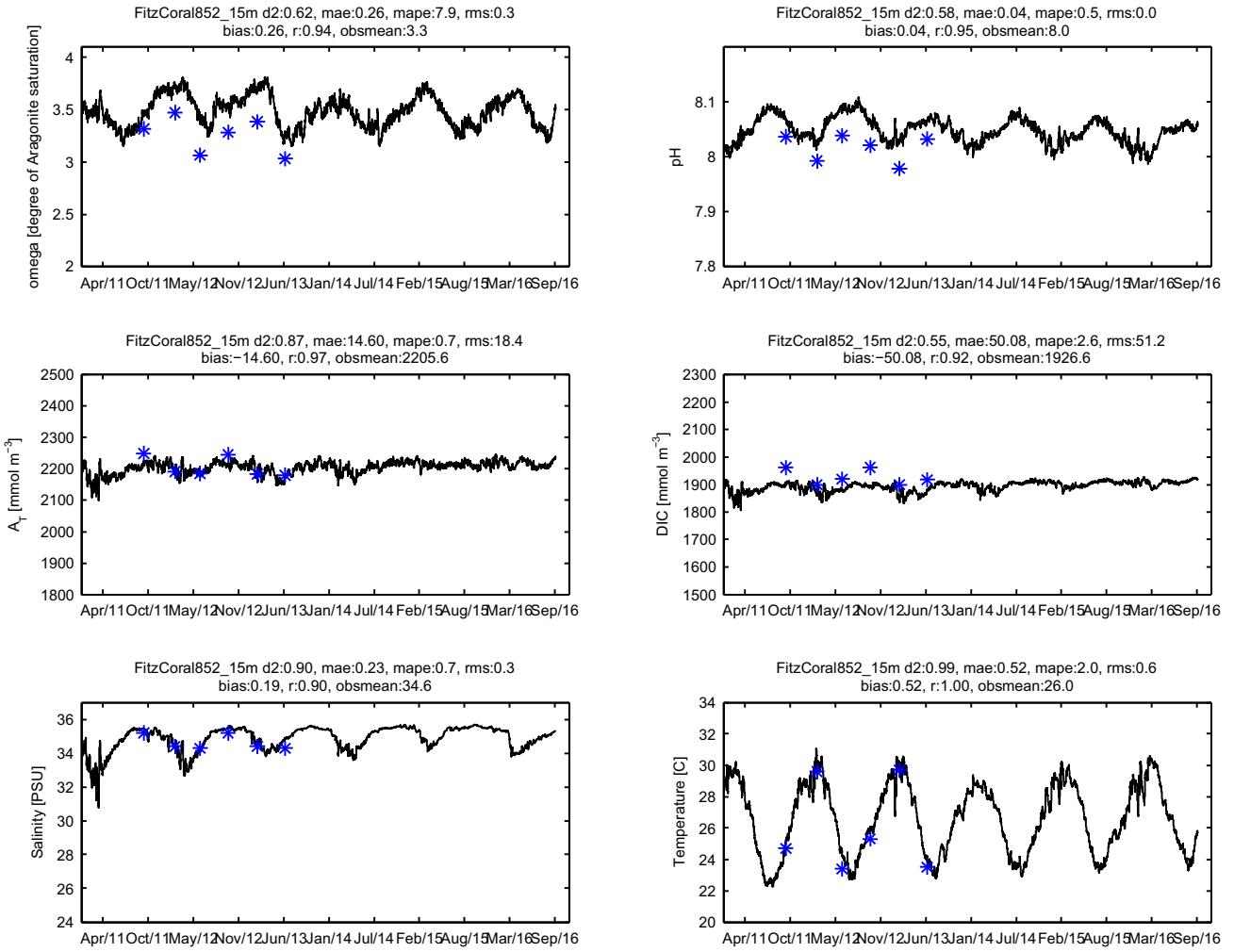


Figure 100: Fitzroy Reef Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 15 m. Model grid deepest point at this site 27 m. Observation deepest point at this site 15.5 to 17.2 m.

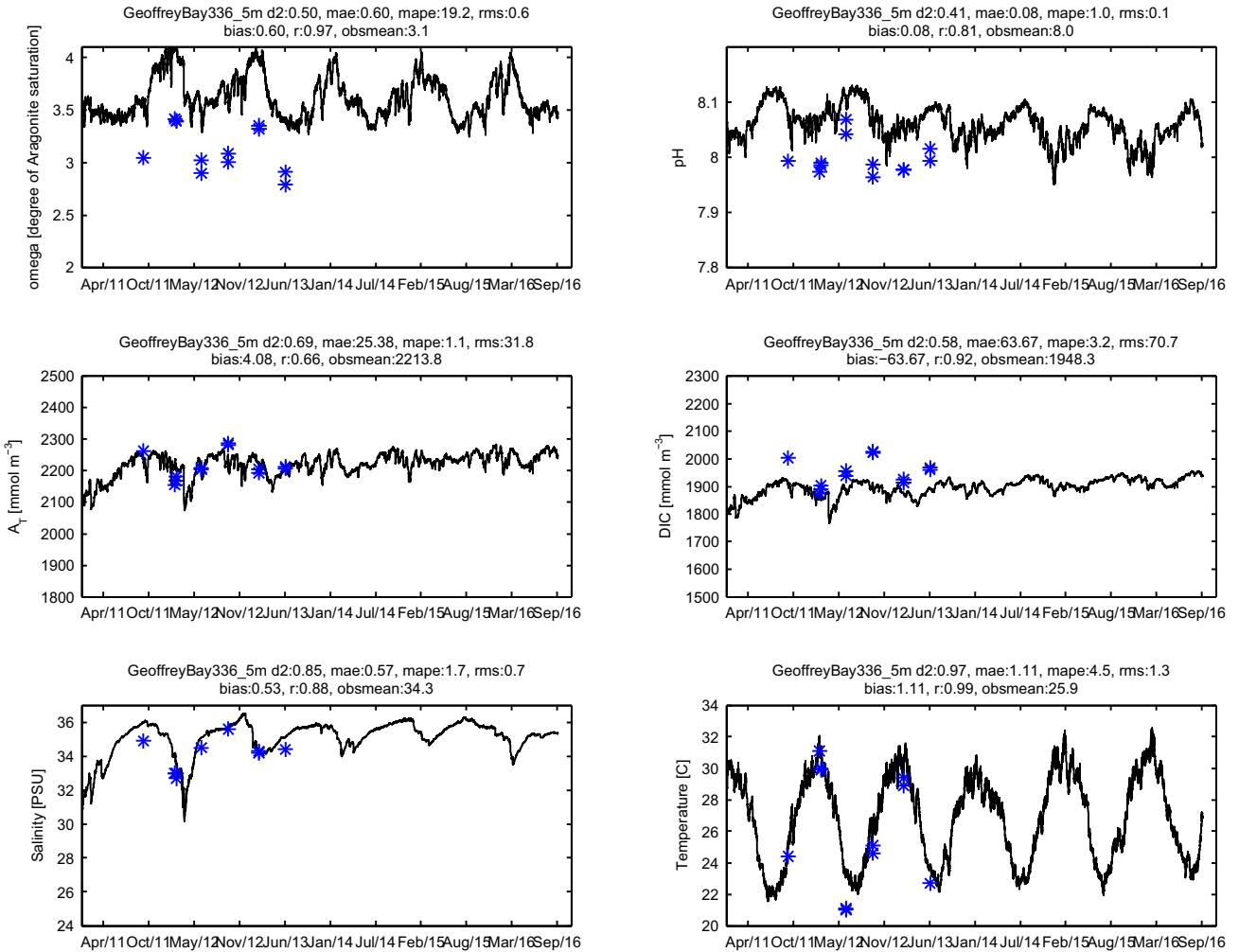


Figure 101: Geoffrey Bay Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -10.42 m. Observation deepest point at this site 9.9 to 12 m.

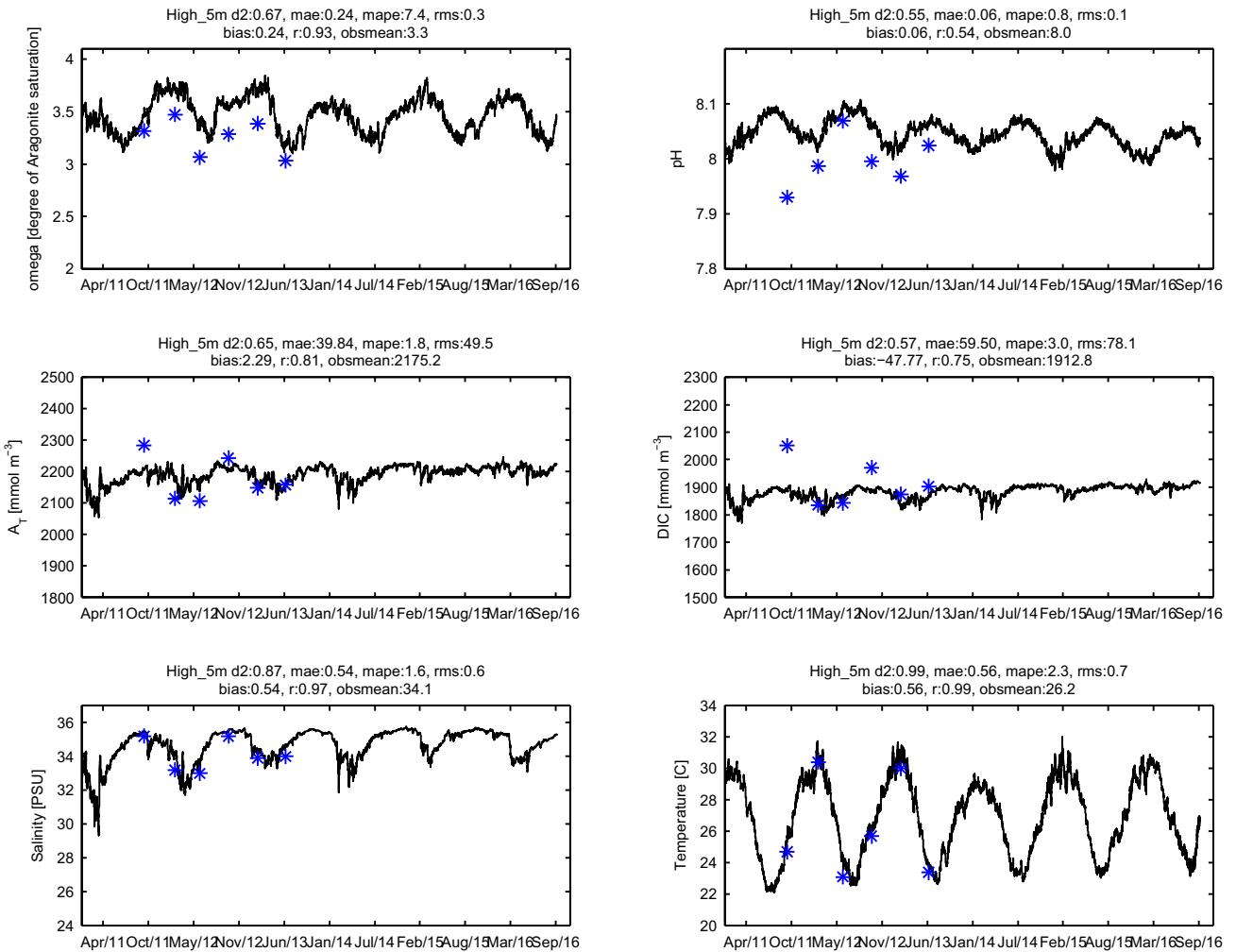


Figure 102: High Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -17.64 m. Observation deepest point at this site 22.0 to 25.3 m.

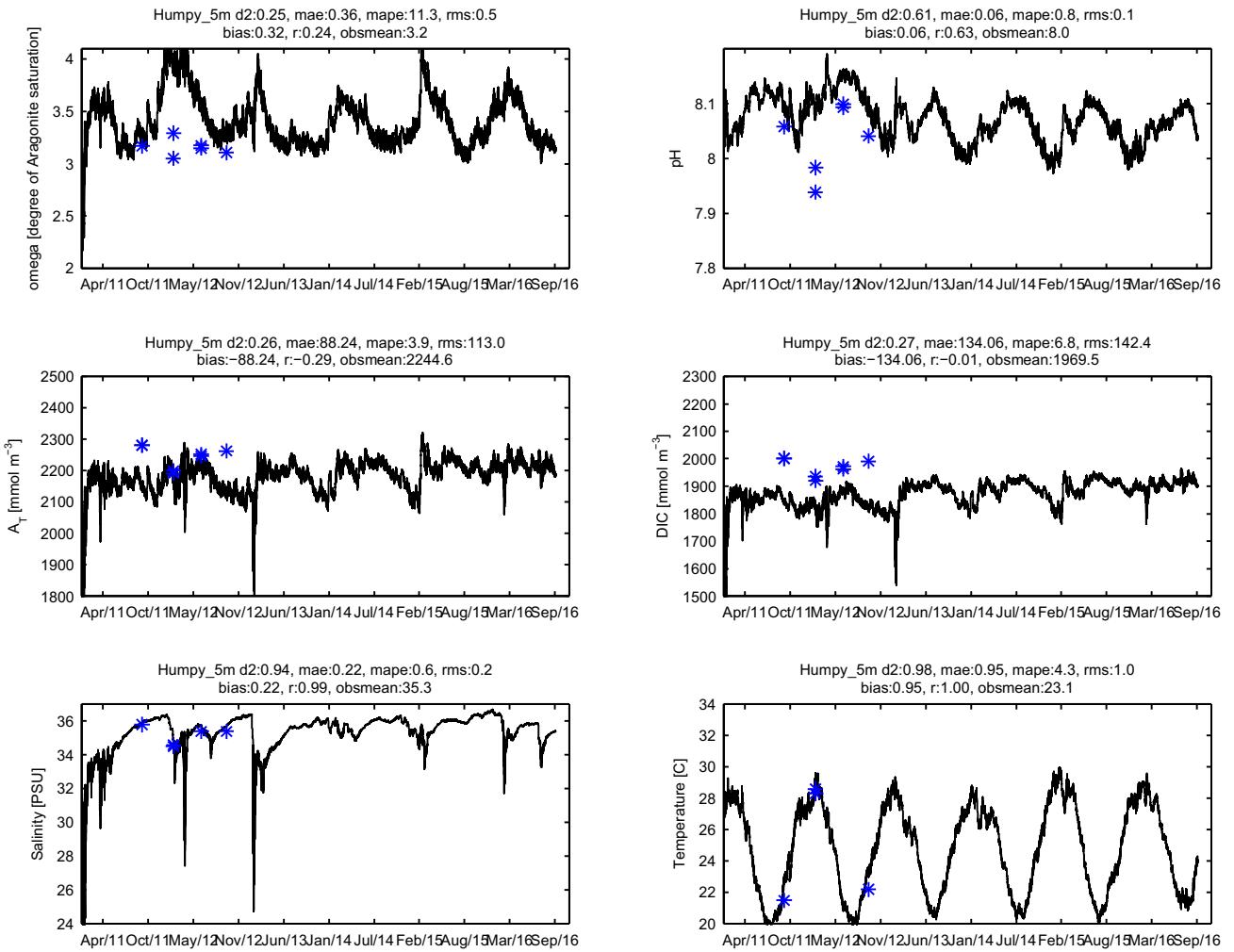


Figure 103: Humpy Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -12.86 m. Observation deepest point at this site 12.6 to 19.5 m.

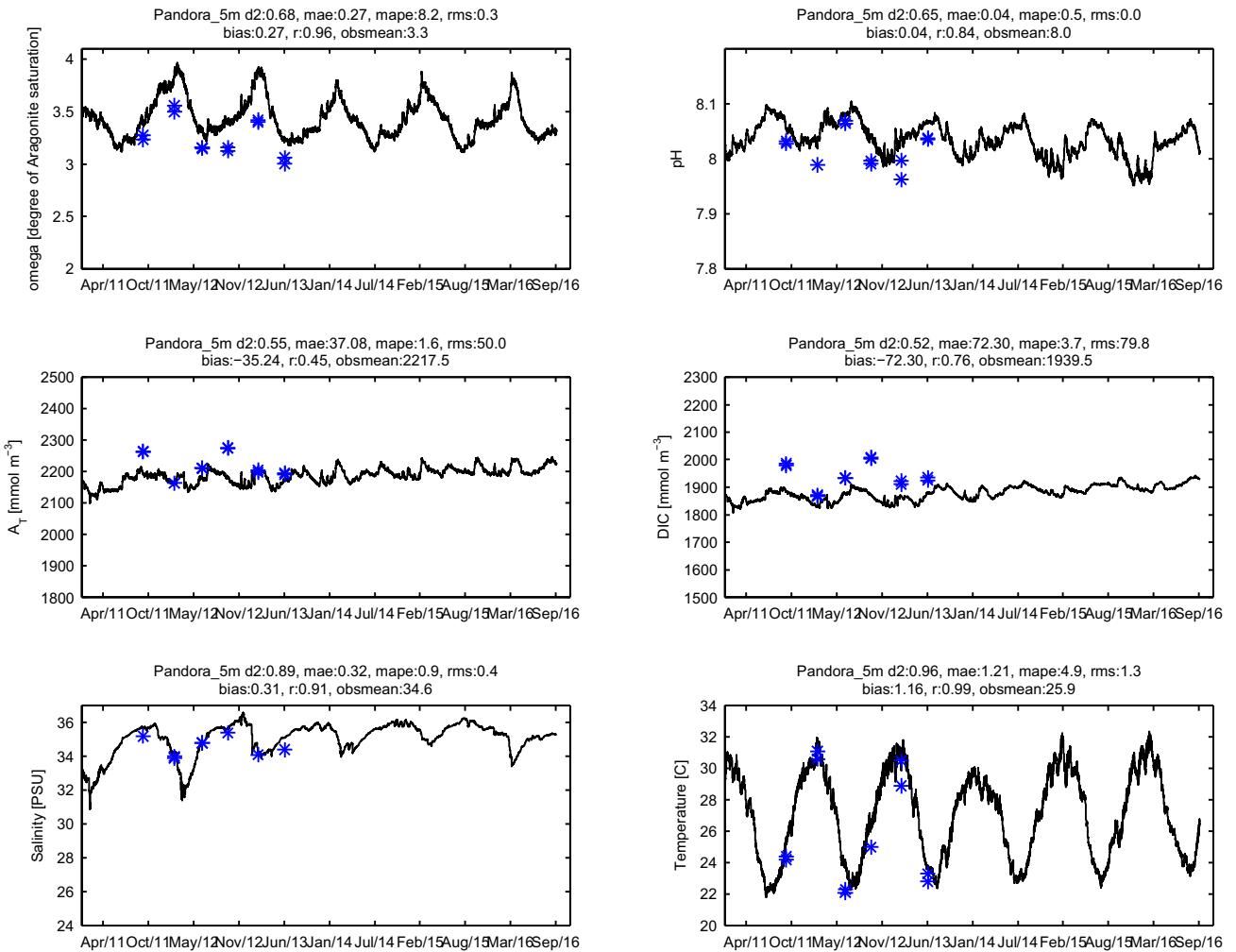


Figure 104: Pandora Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -16.98 m. Observation deepest point at this site 12.9 to 13.9 m.

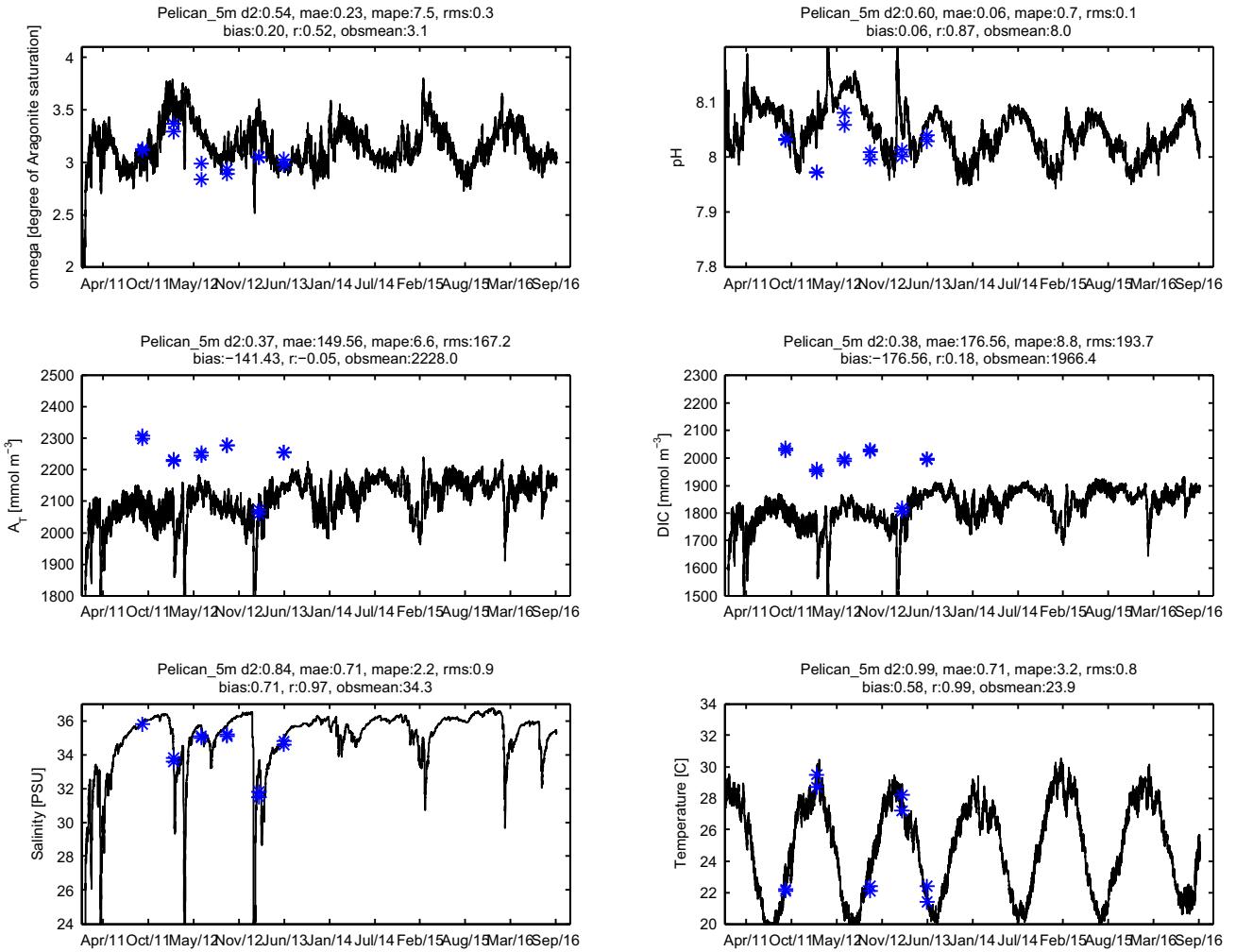


Figure 105: Pelican Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -4.47 m. Observation deepest point at this site 8.8 to 9.7 m.

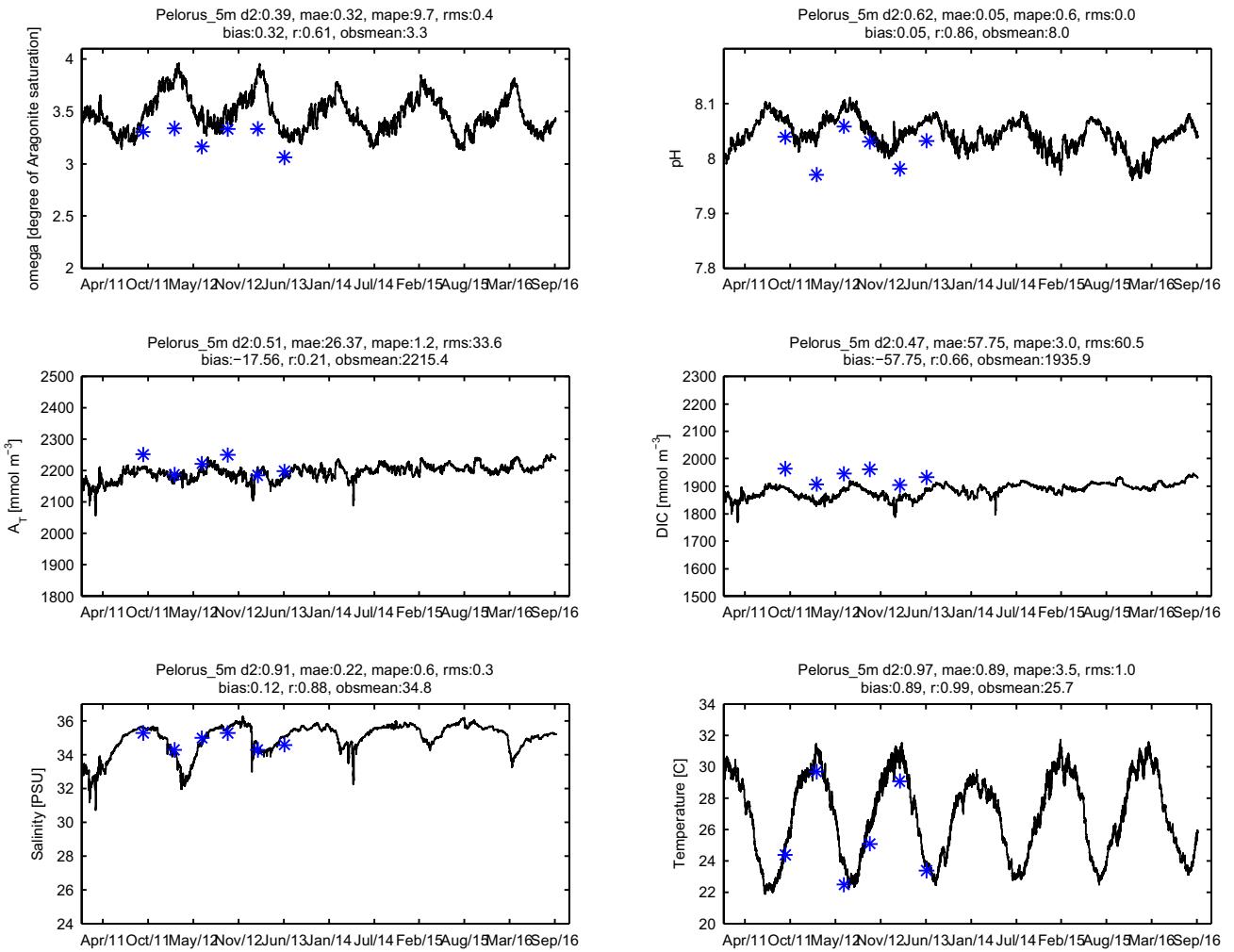


Figure 106: Pelorous/Orpheus Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -24.64 m. Observation deepest point at this site 25.3 to 31.4 m.

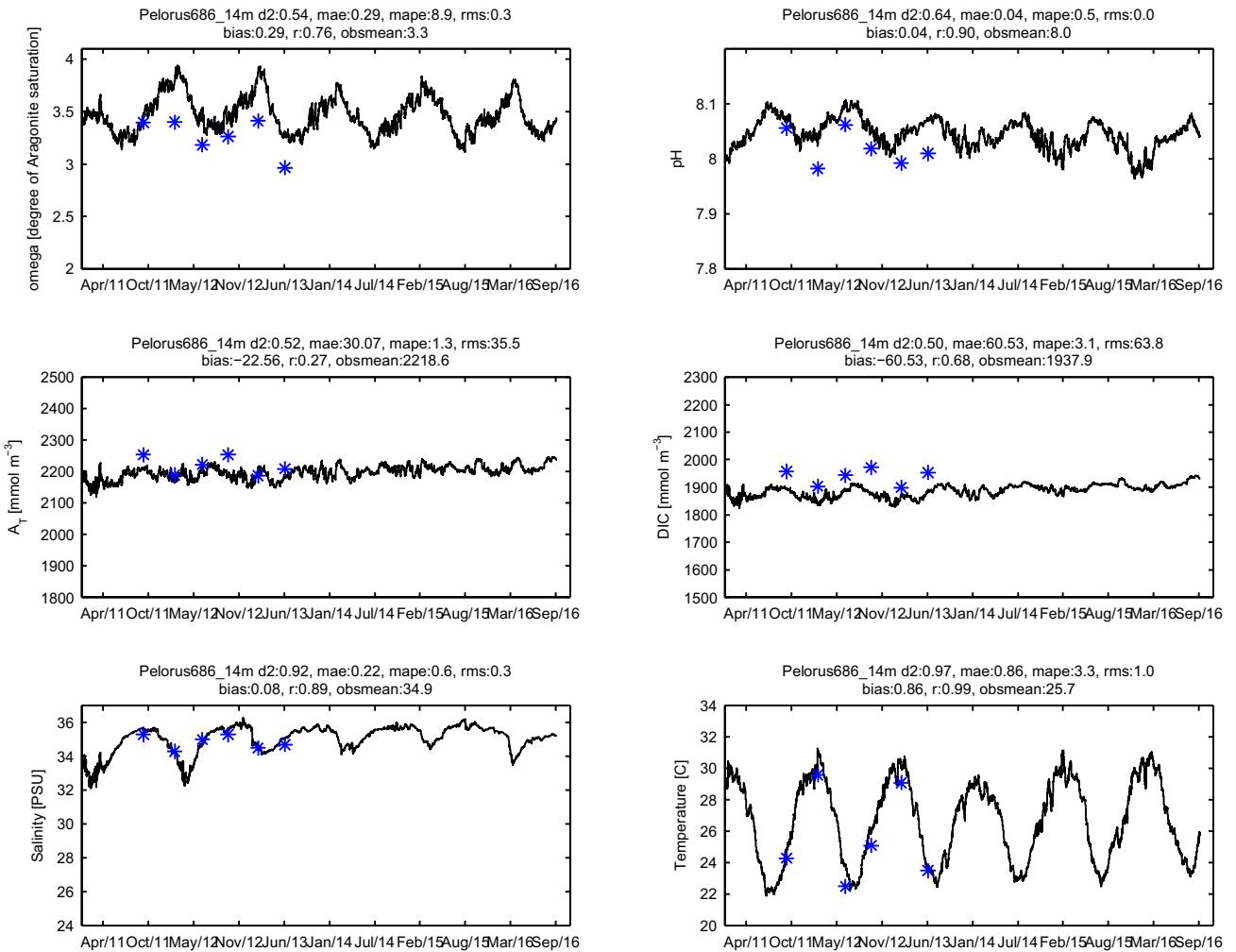


Figure 107: Pelorous/Orpheus Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 14 m. Model grid deepest point at this site -24.64 m. Observation deepest point at this site 25.3 to 31.4 m.

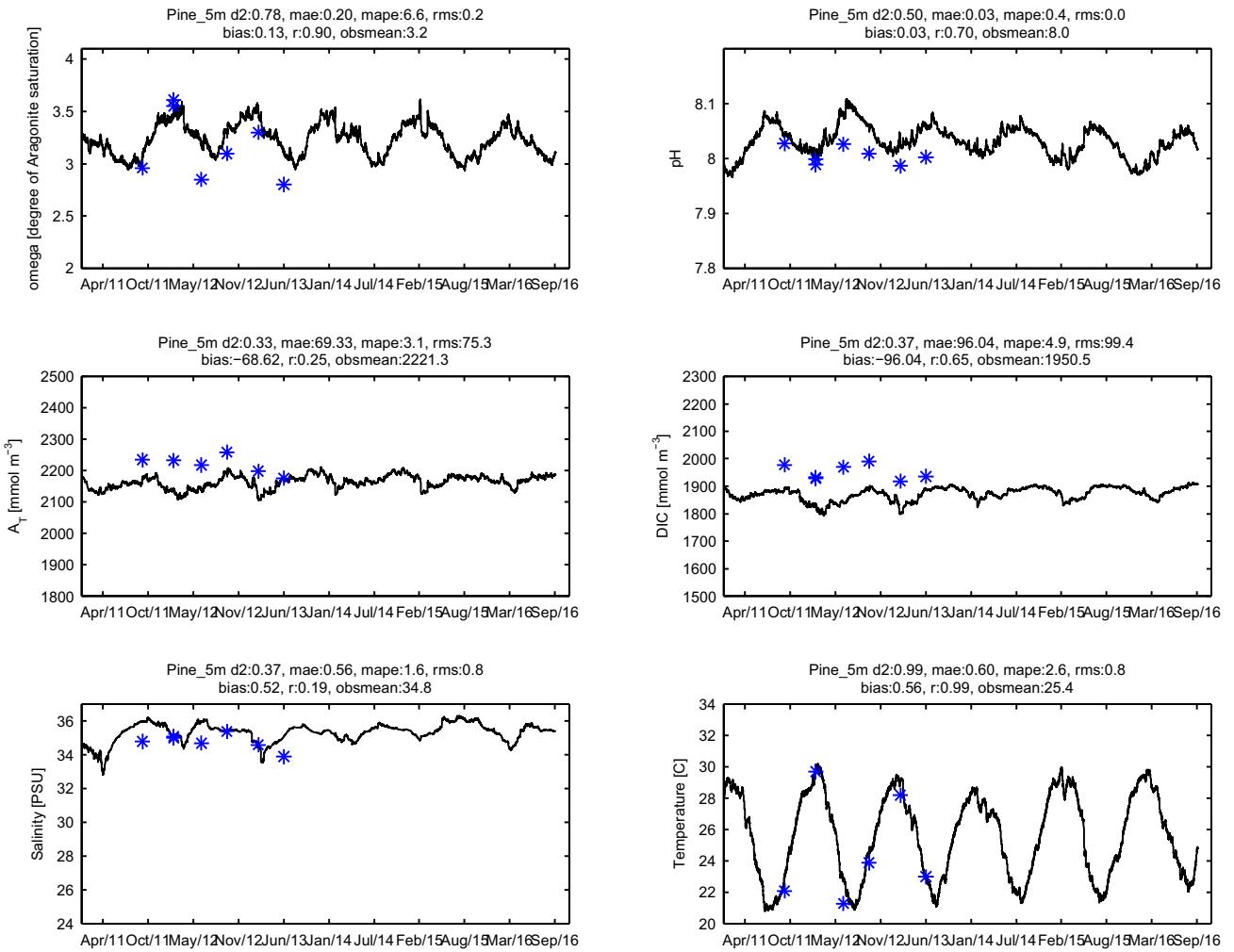


Figure 108: Pine Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -18.14 m. Observation deepest point at this site 20.0 to 25.7 m.

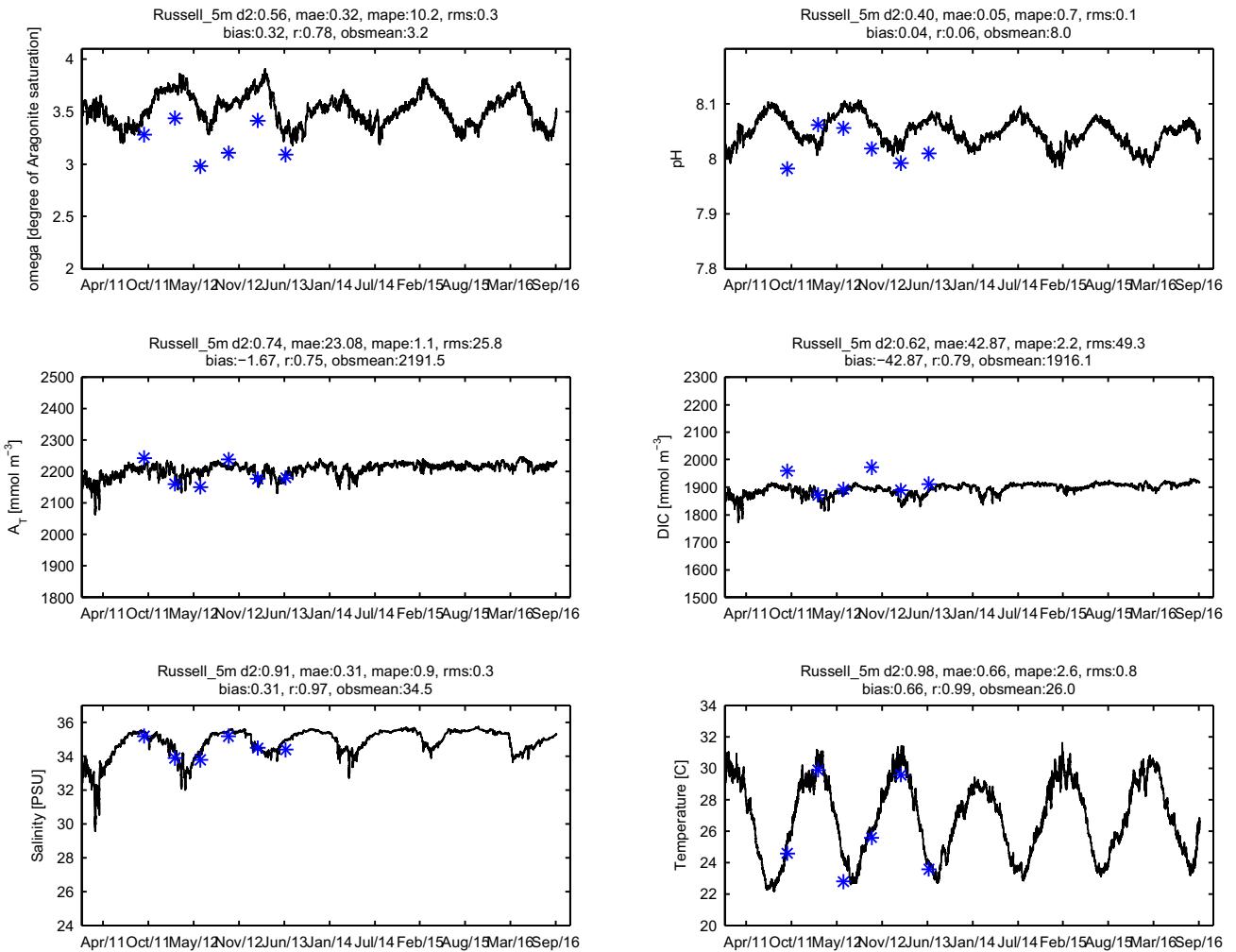


Figure 109: Russell Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -19.94 m. Observation deepest point at this site 22.0 to 23.7 m.

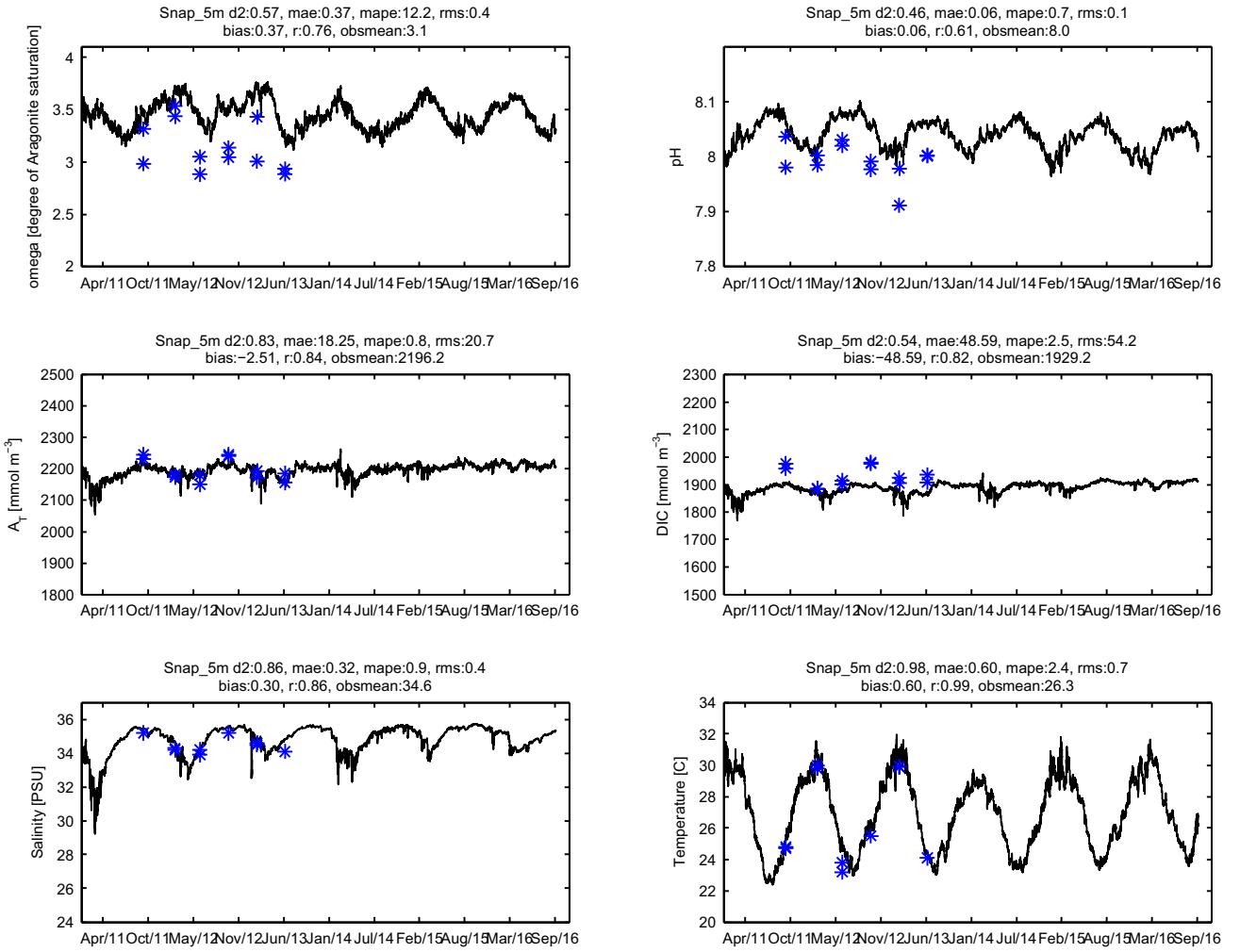


Figure 110: Snapper Island Coral dataset (AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 5 m. Model grid deepest point at this site -22.14 m. Observation deepest point at this site 8.0 to 11.2 m.

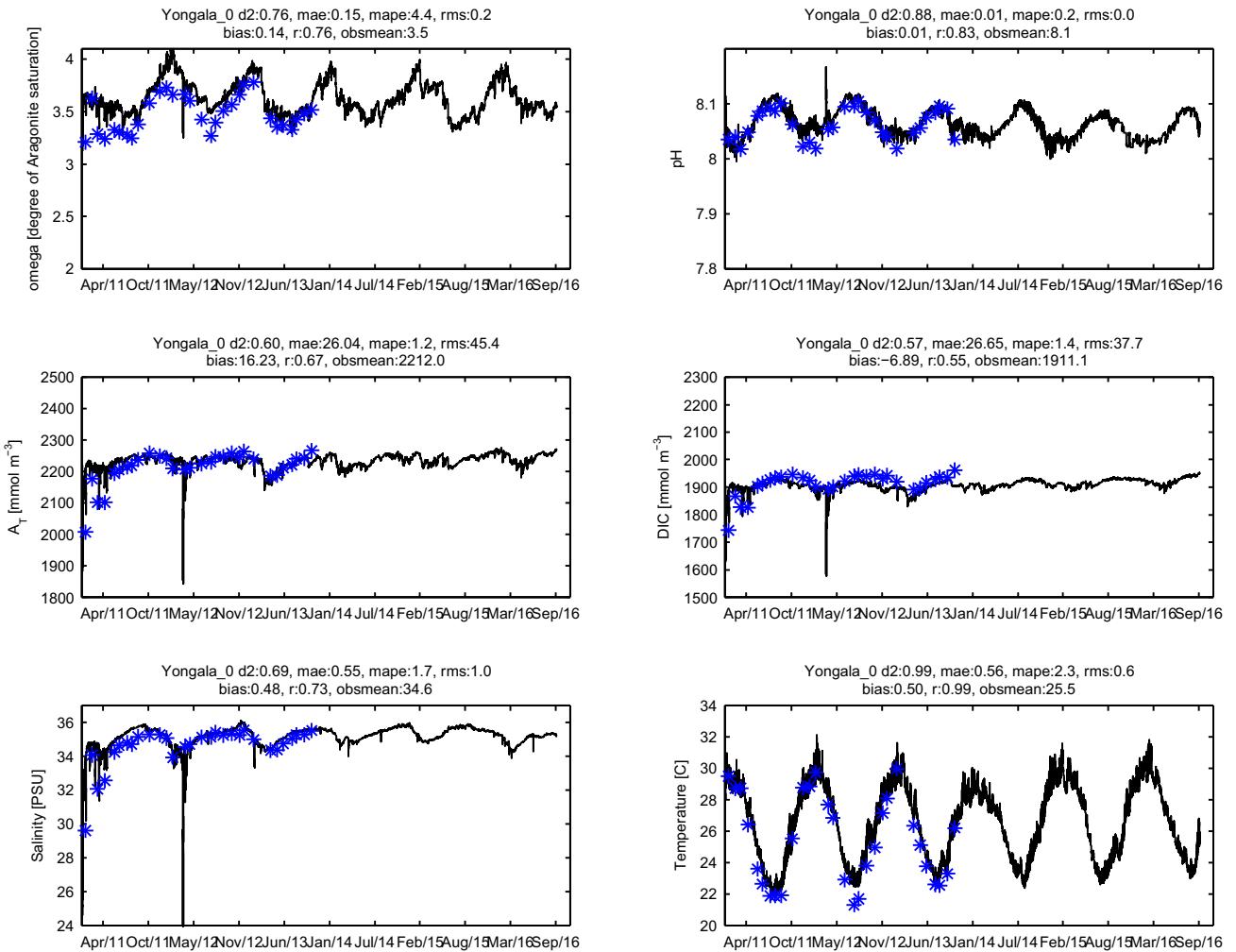


Figure 111: Yongala (NRSYON) Coral dataset (NRS/AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 0 m. Model grid deepest point at this site -28.62 m. Observation deepest point at this site 27 m.

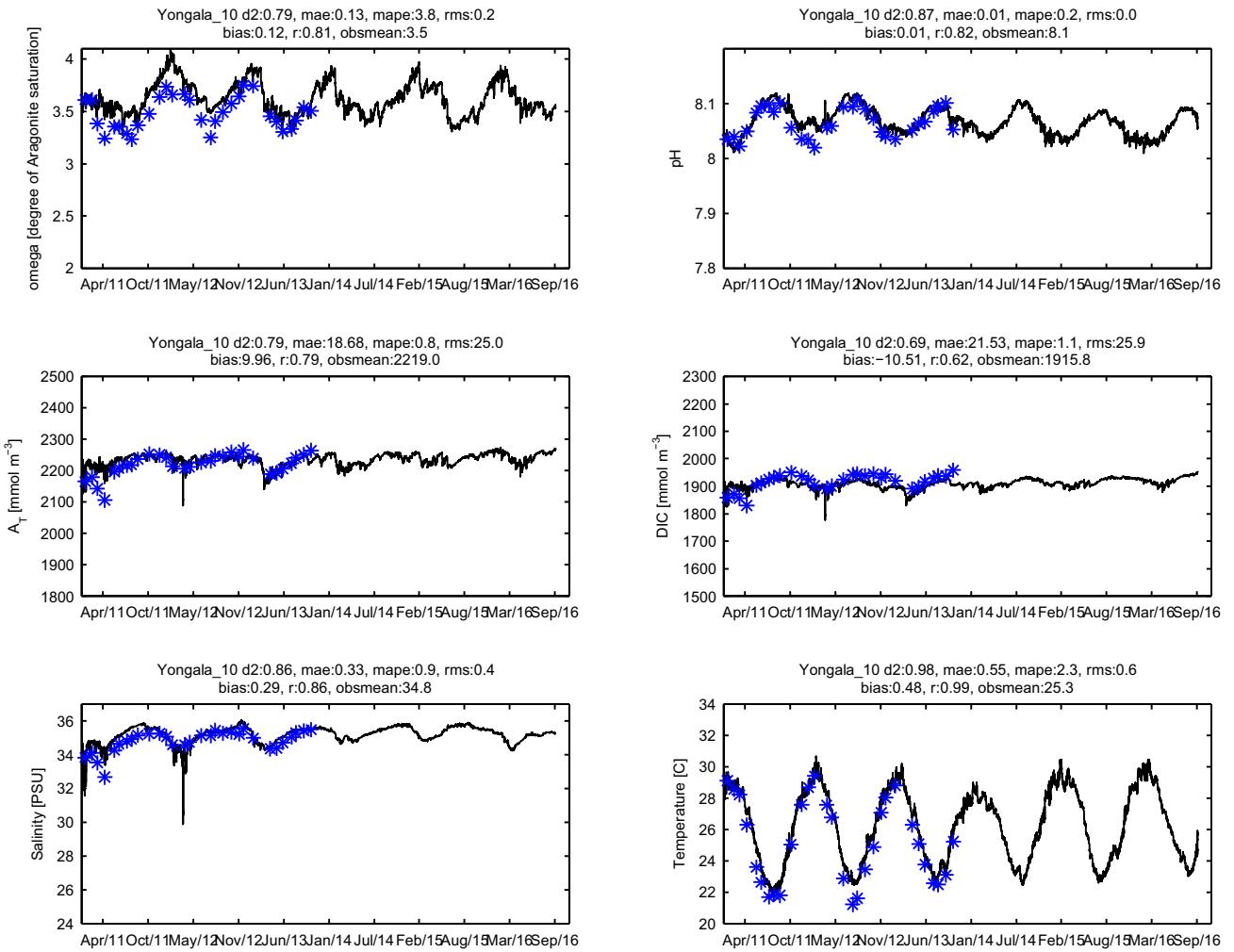


Figure 112: Yongala (NRSYON) Coral dataset (NRS/AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 10 m. Model grid deepest point at this site -28.62 m. Observation deepest point at this site 27 m.

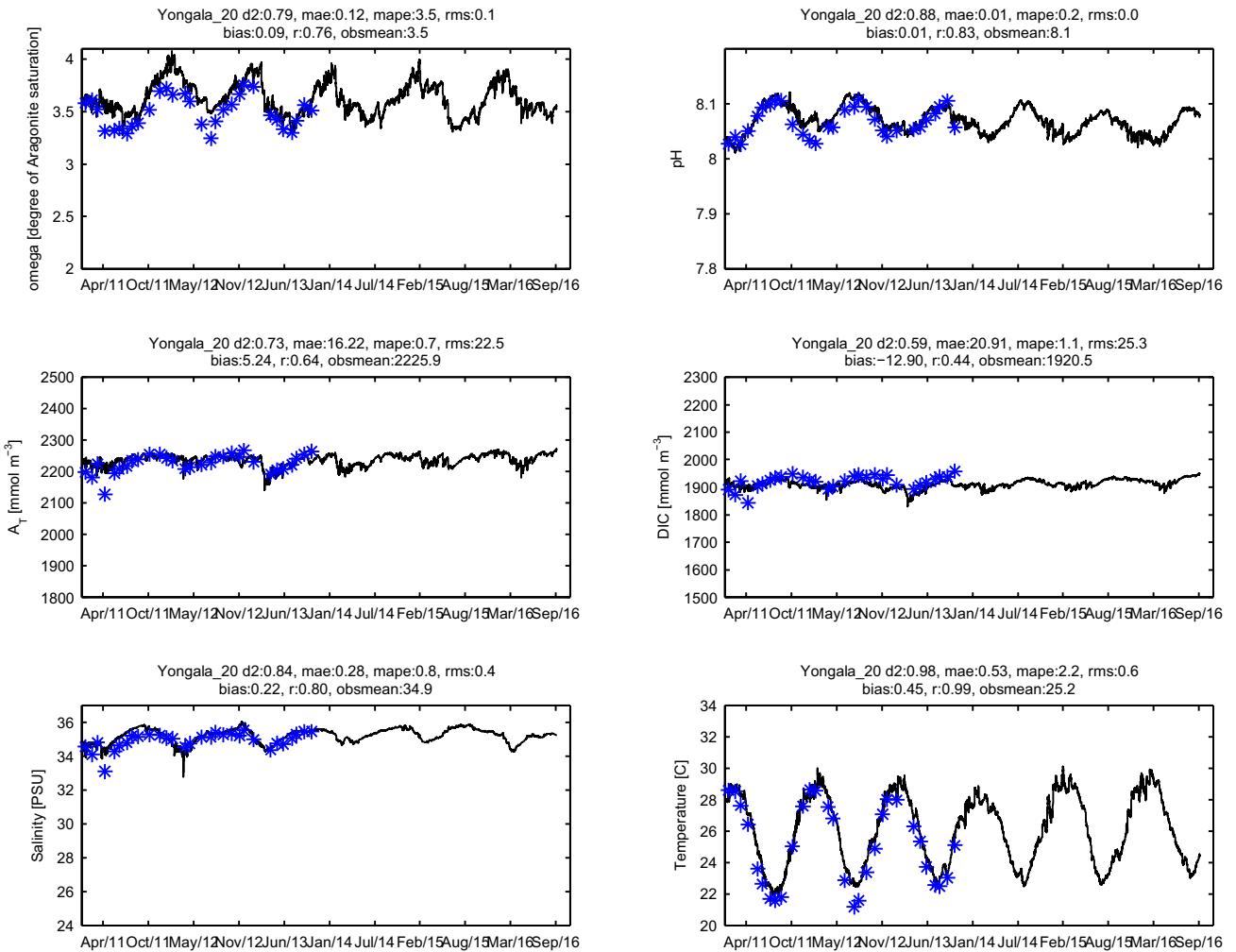


Figure 113: Yongala (NRSYON) Coral dataset (NRS/AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 20 m. Model grid deepest point at this site -28.62 m. Observation deepest point at this site 27 m.

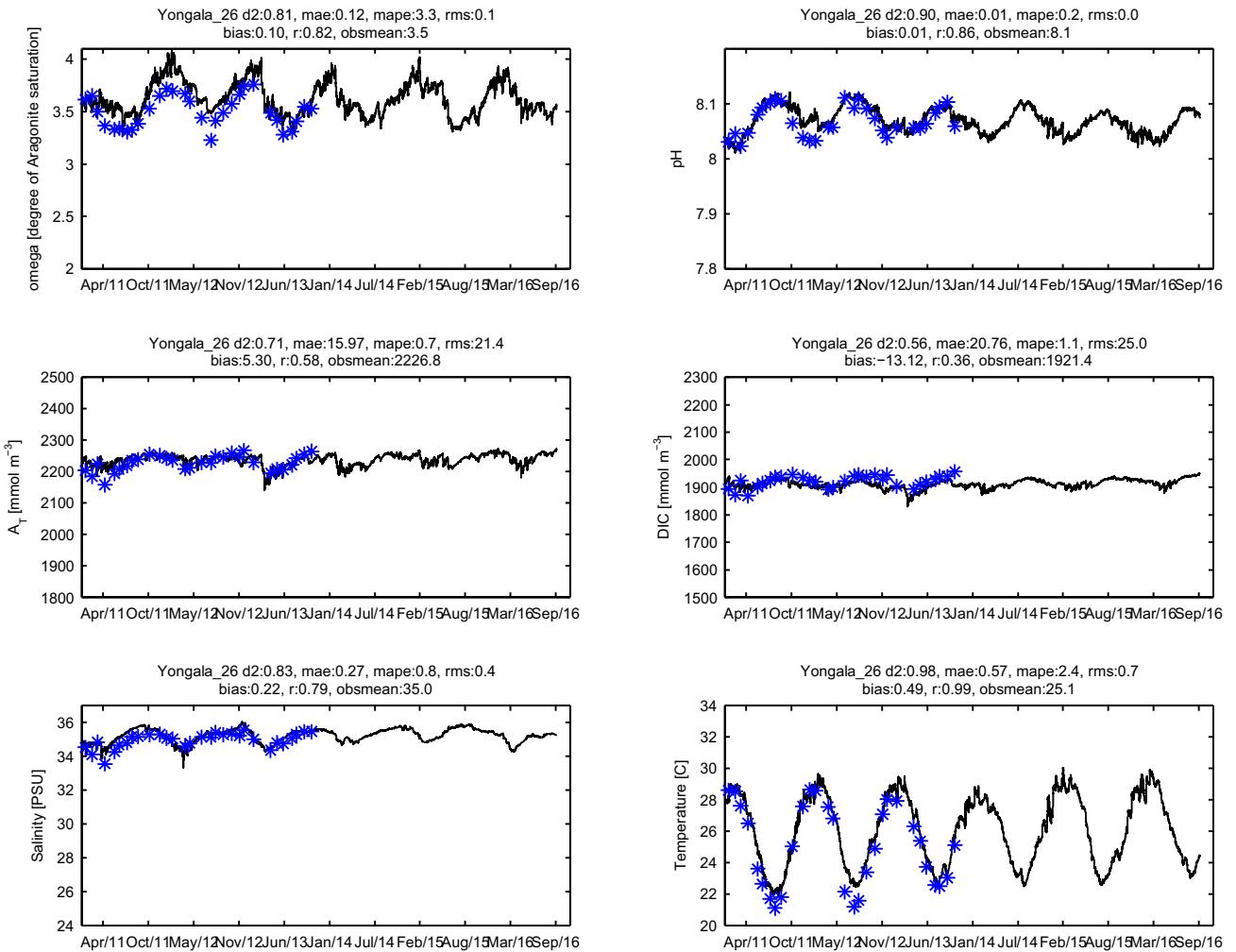


Figure 114: Yongala (NRSYON) Coral dataset (NRS/AIMS) observations against GBR4 model: Observations (blue stars), model (black line) and timepoint on model where observation falls (red circles): Parameter/s = Omega, pH, A_T , DIC, Salinity, Temperature. Field observation depth taken: 26 m. Model grid deepest point at this site -28.62 m. Observation deepest point at this site 27 m.

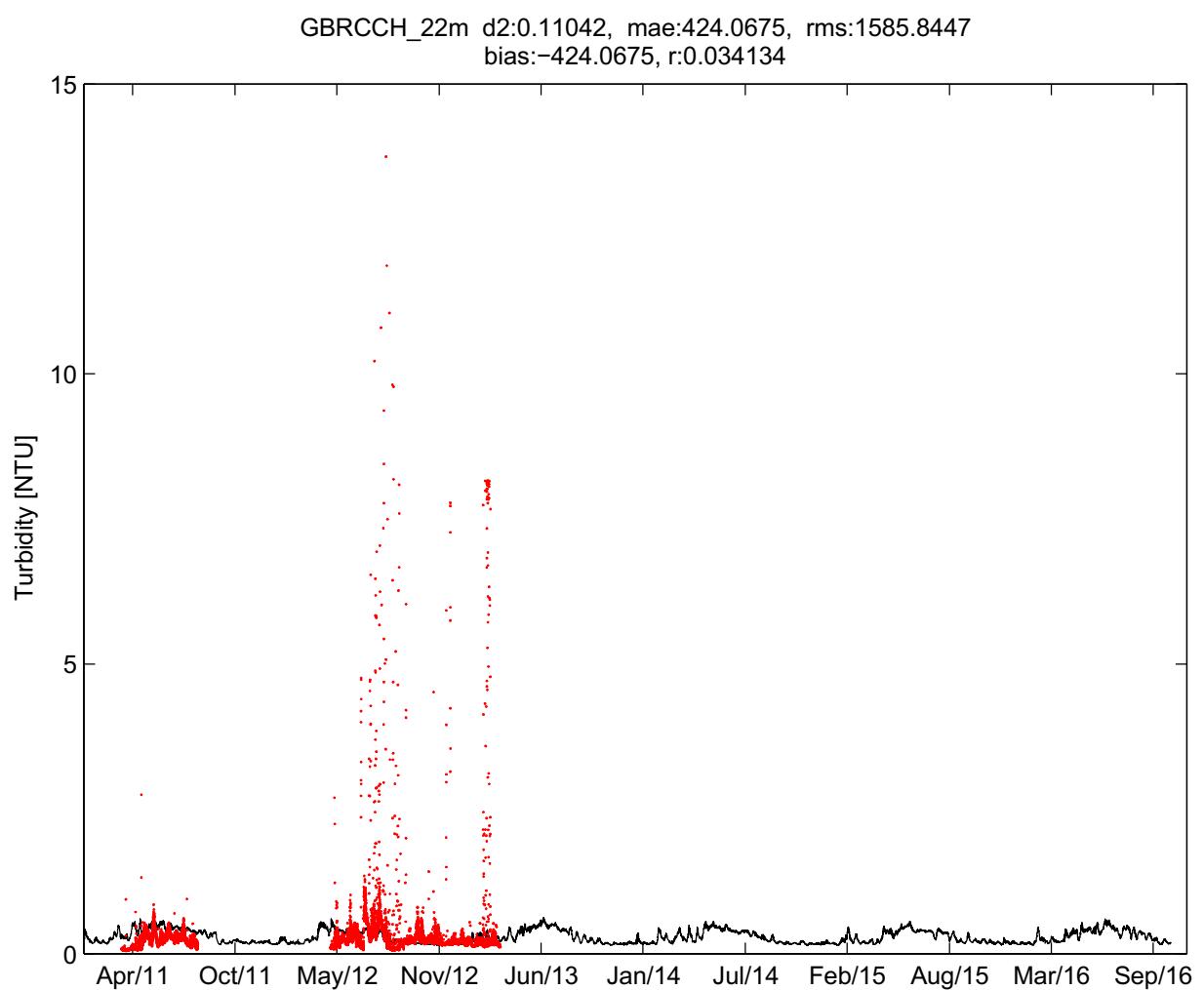


Figure 115: Capricorn Channel (GBRCCH) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 22 m. Model grid deepest point at this site 91.17 m. Observation deepest point at this site 92 m.

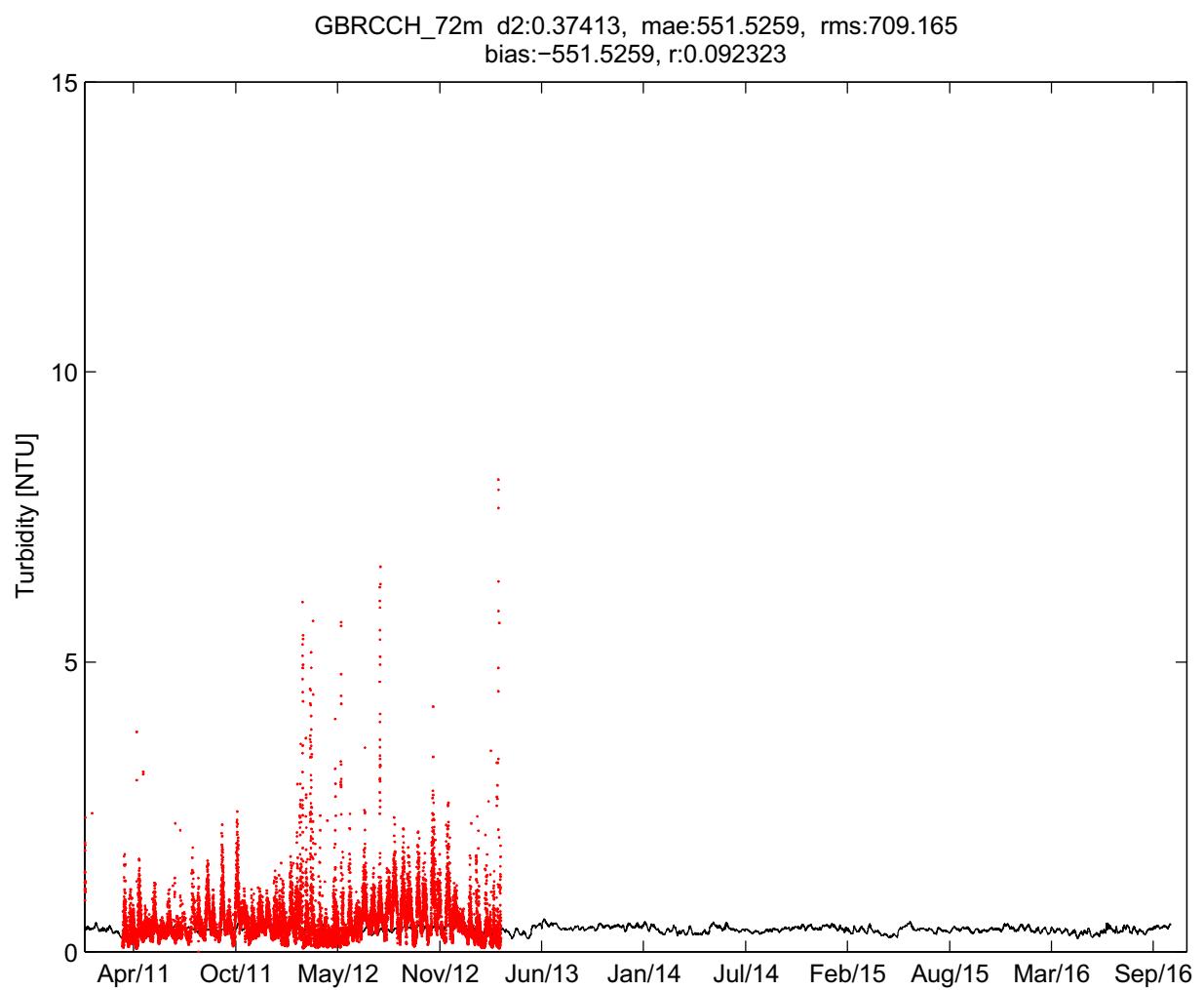


Figure 116: Capricorn Channel (GBRCCH) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 72 m. Model grid deepest point at this site 91.17 m. Observation deepest point at this site 92 m.

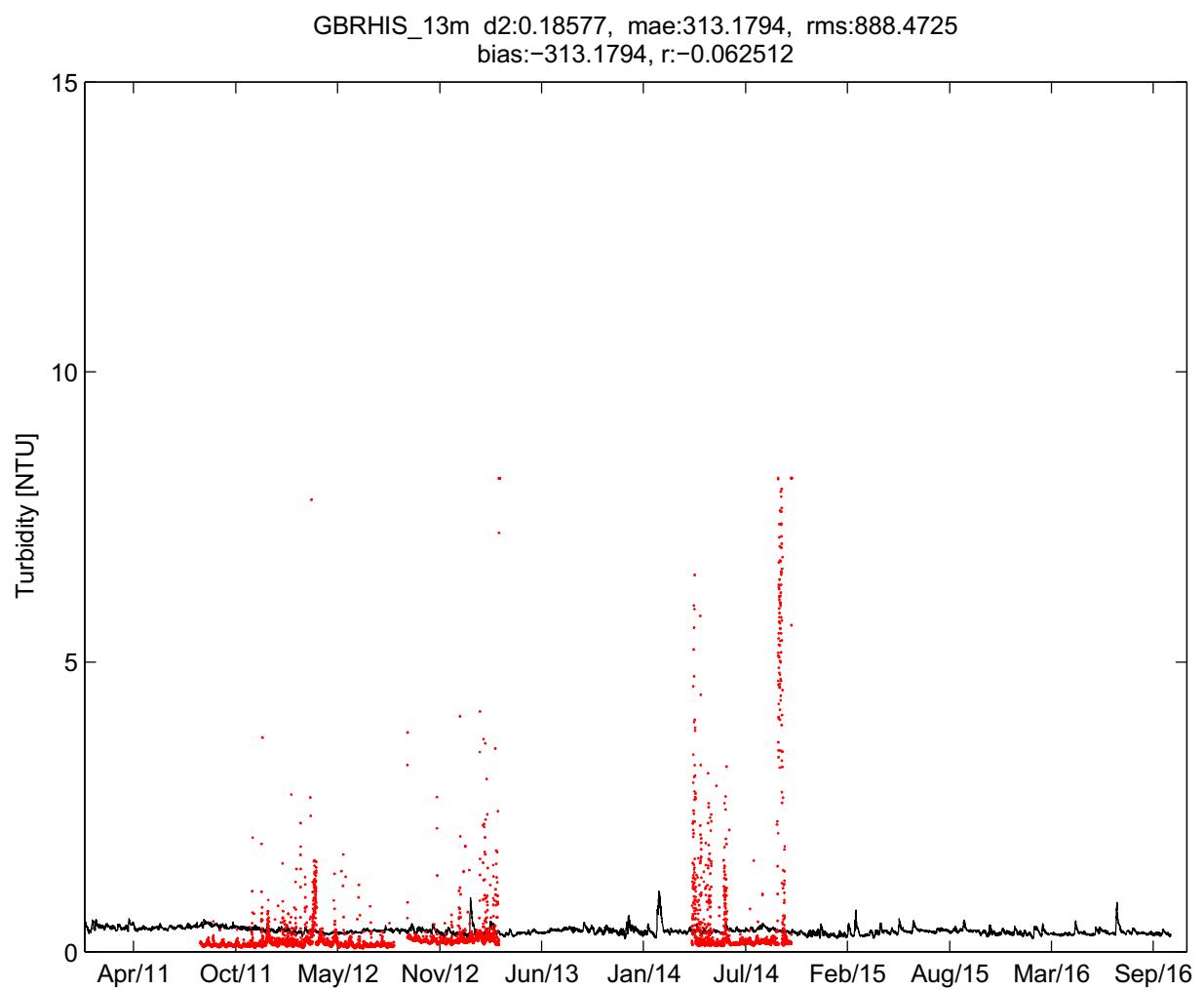


Figure 117: Heron Island South (GBRHIS) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 13 m. Model grid deepest point at this site -47.01 m. Observation deepest point at this site 46 m.

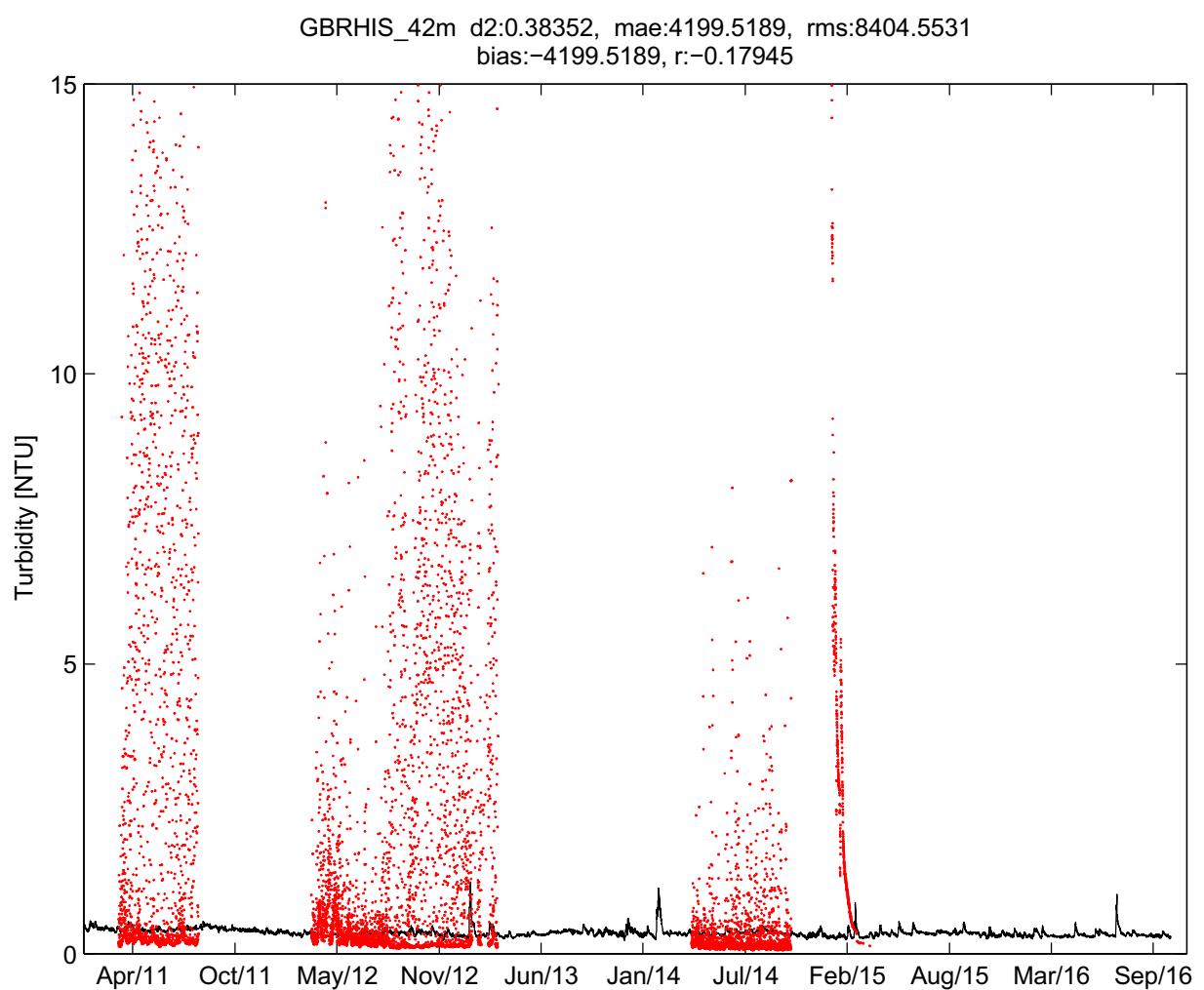


Figure 118: Heron Island South (GBRHIS) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 42 m. Model grid deepest point at this site -47.01 m. Observation deepest point at this site 46 m.

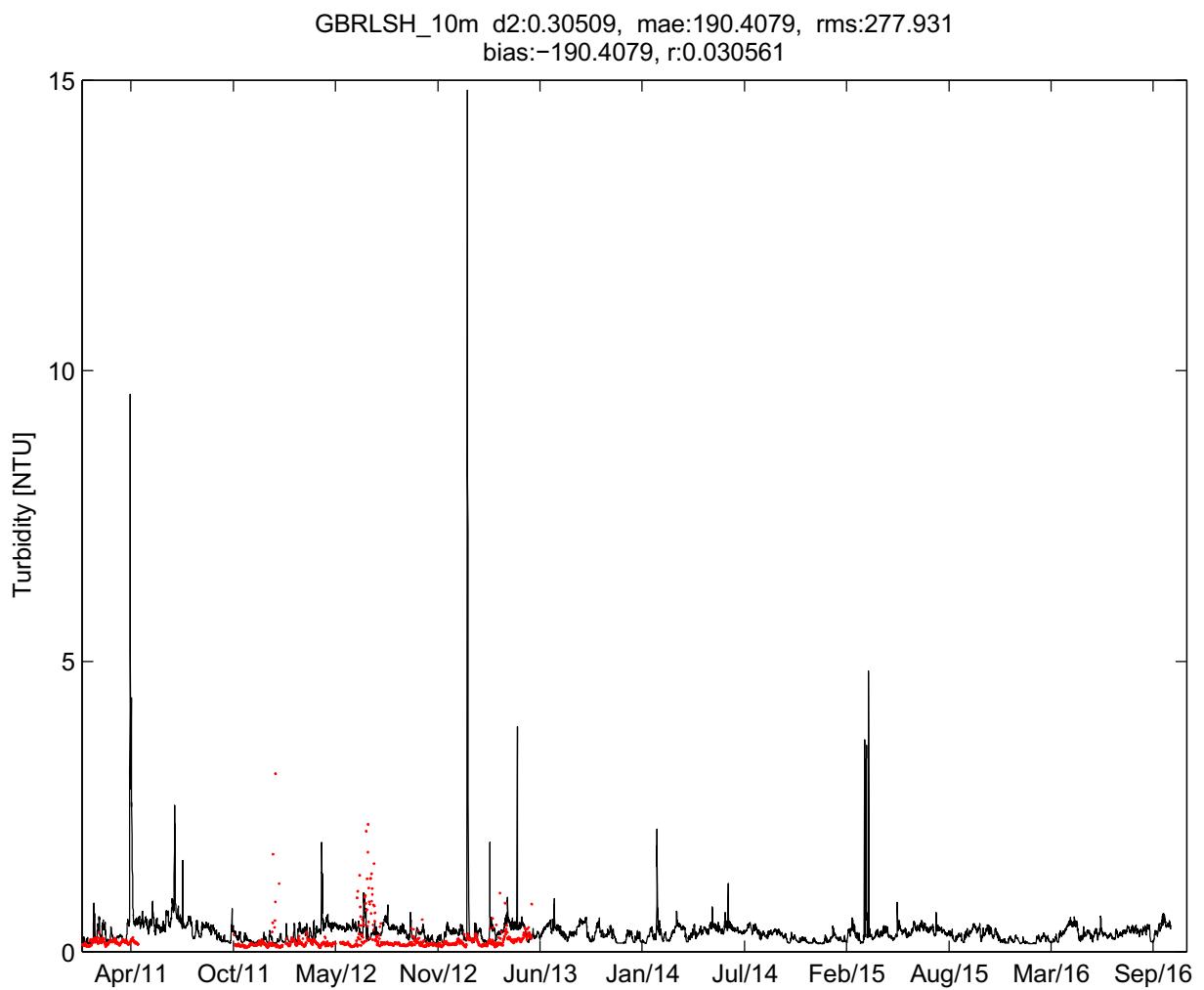


Figure 119: Lizard Shelf (GBRLSH) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 10 m. Model grid deepest point at this site -30.32 m. Observation deepest point at this site 31 m.

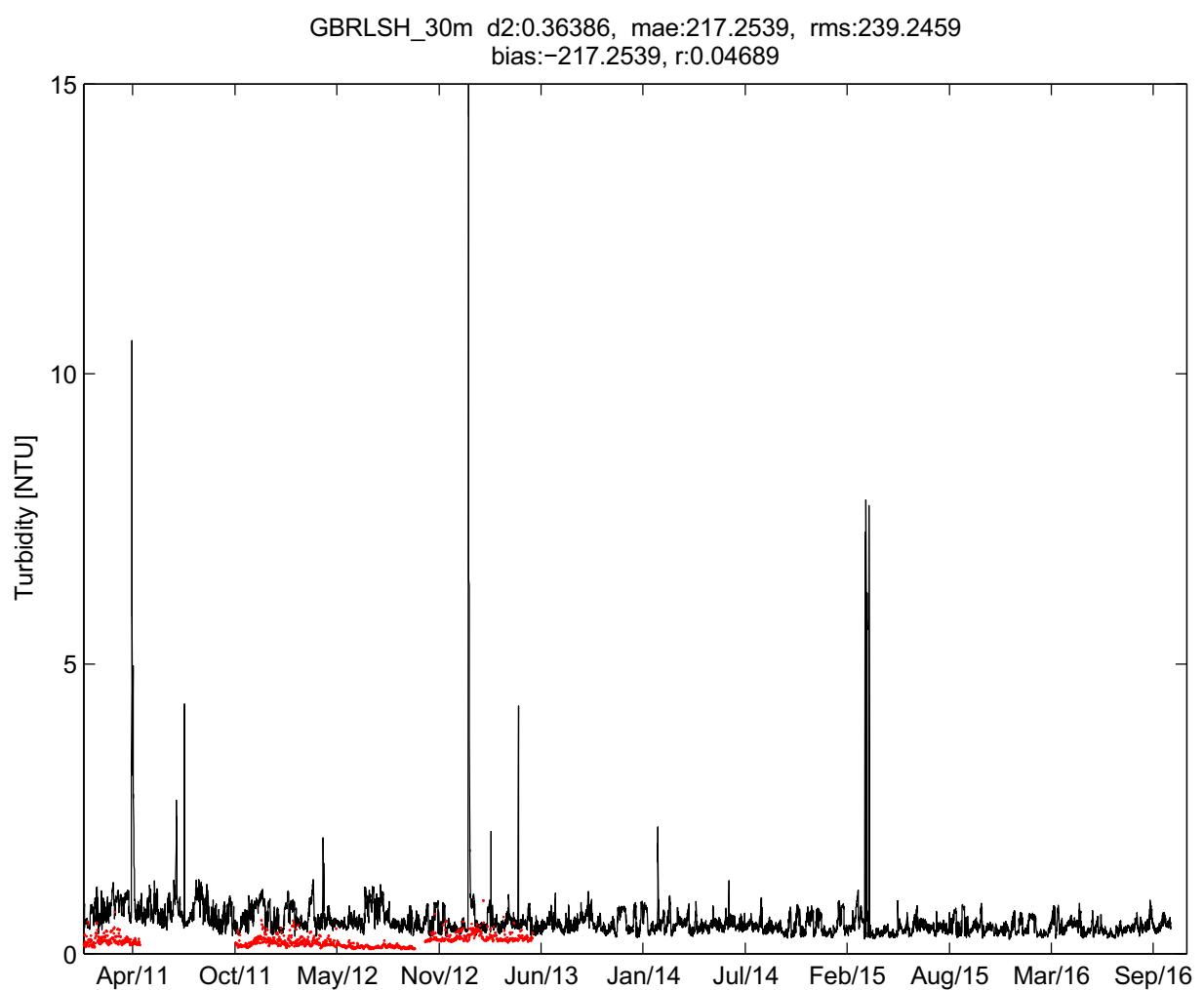


Figure 120: Lizard Shelf (GBRLSH) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 30 m. Model grid deepest point at this site -30.32 m. Observation deepest point at this site 31 m.

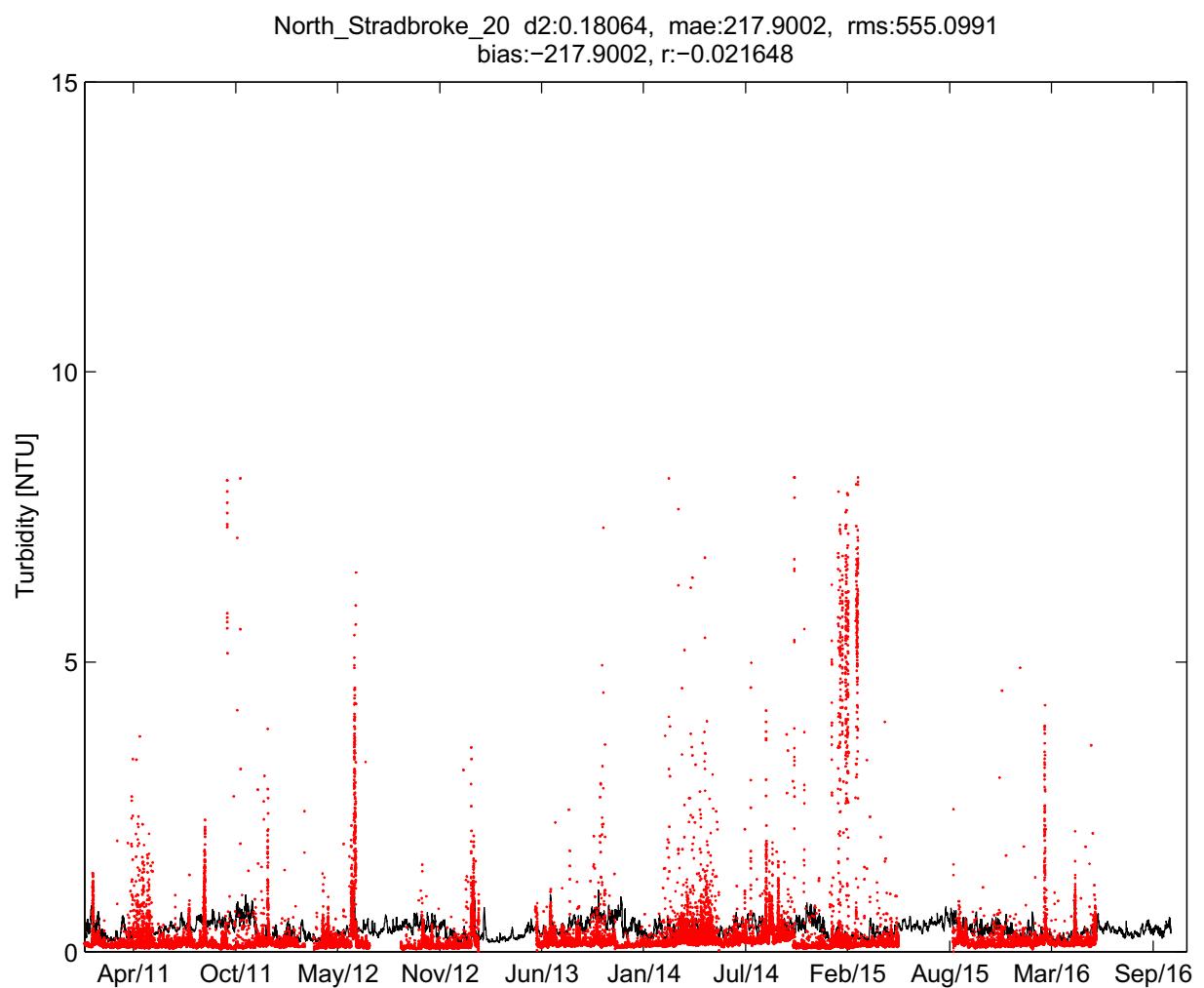


Figure 121: North Stradbroke (GBRNSI) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 20 m. Model grid deepest point at this site -66 m. Observation deepest point at this site 67 m.

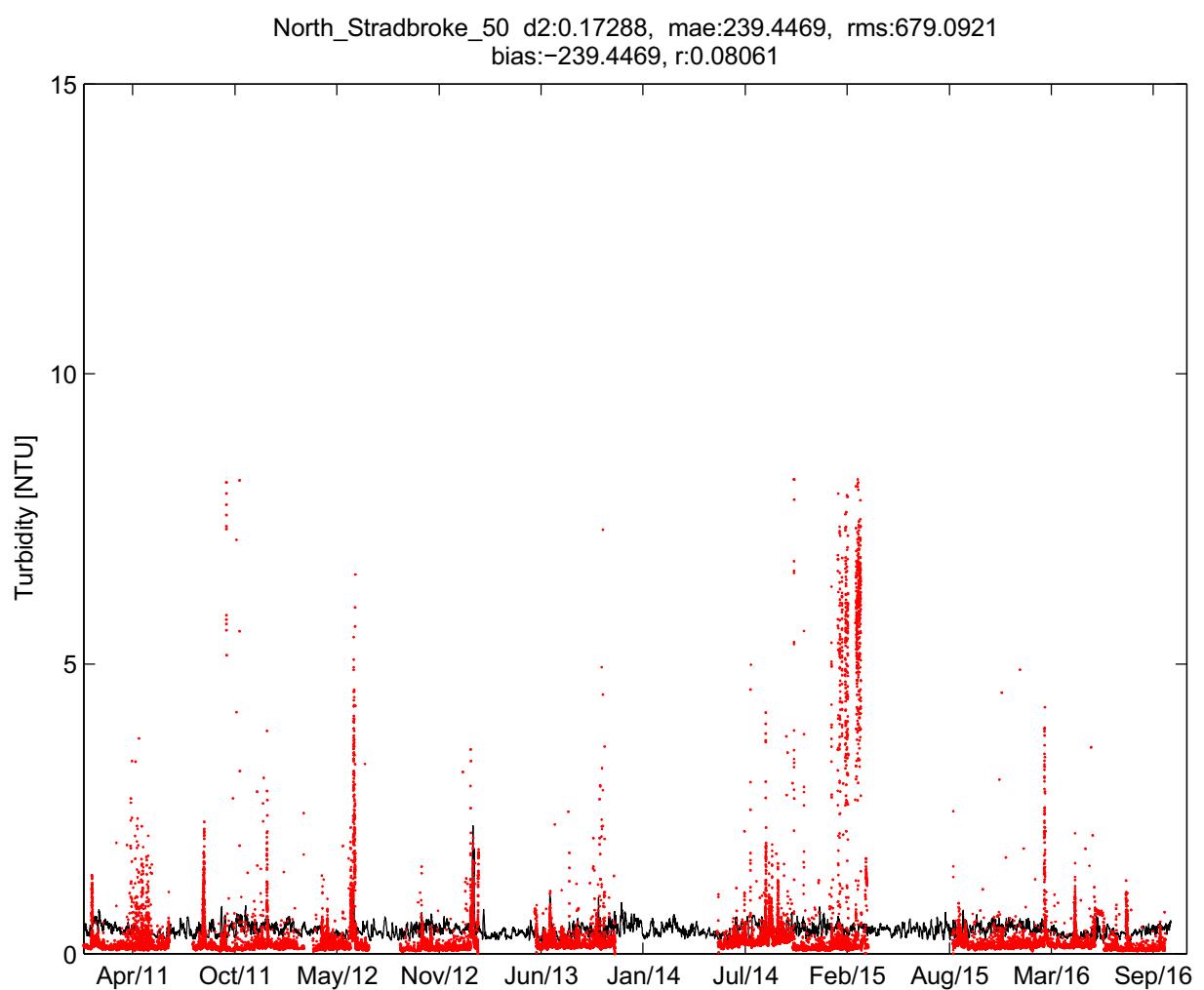


Figure 122: North Stradbroke (GBRNSI) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 50 m. Model grid deepest point at this site -66 m. Observation deepest point at this site 67 m.

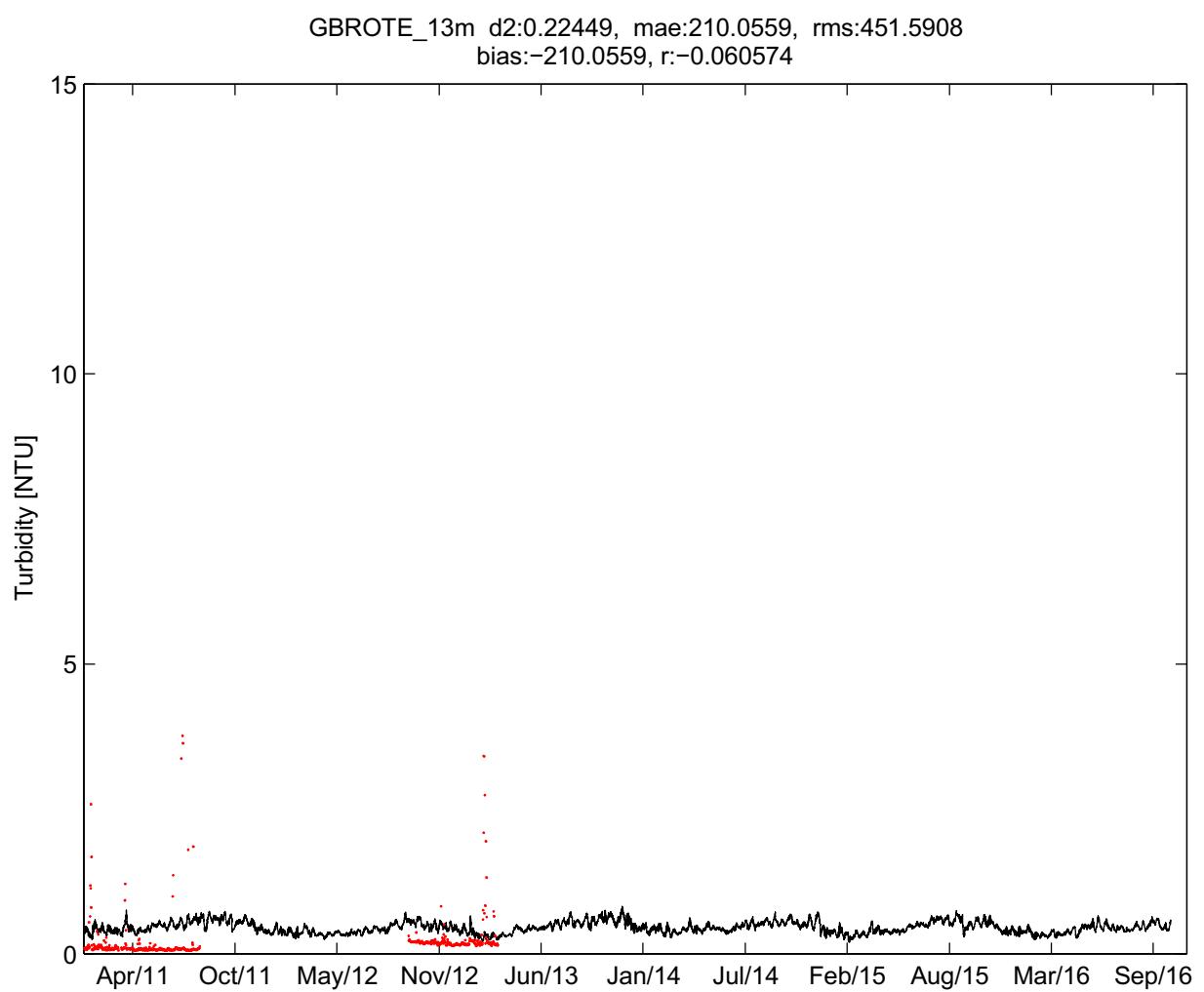


Figure 123: One Tree (GBROTE) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 13 m. Model grid deepest point at this site -62.61 m. Observation deepest point at this site 58 m.

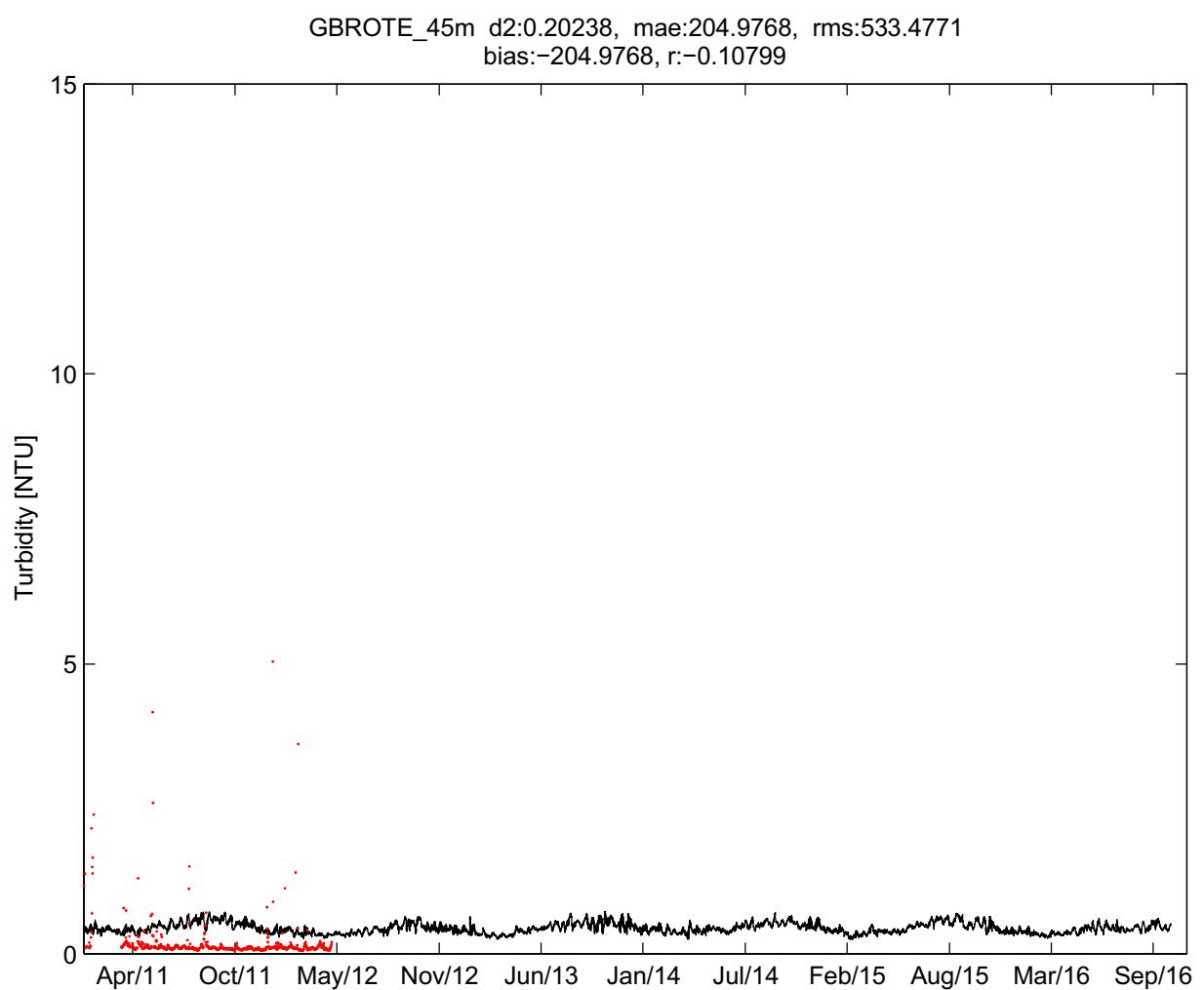


Figure 124: One Tree (GBROTE) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 45 m. Model grid deepest point at this site -62.61 m. Observation deepest point at this site 58 m.

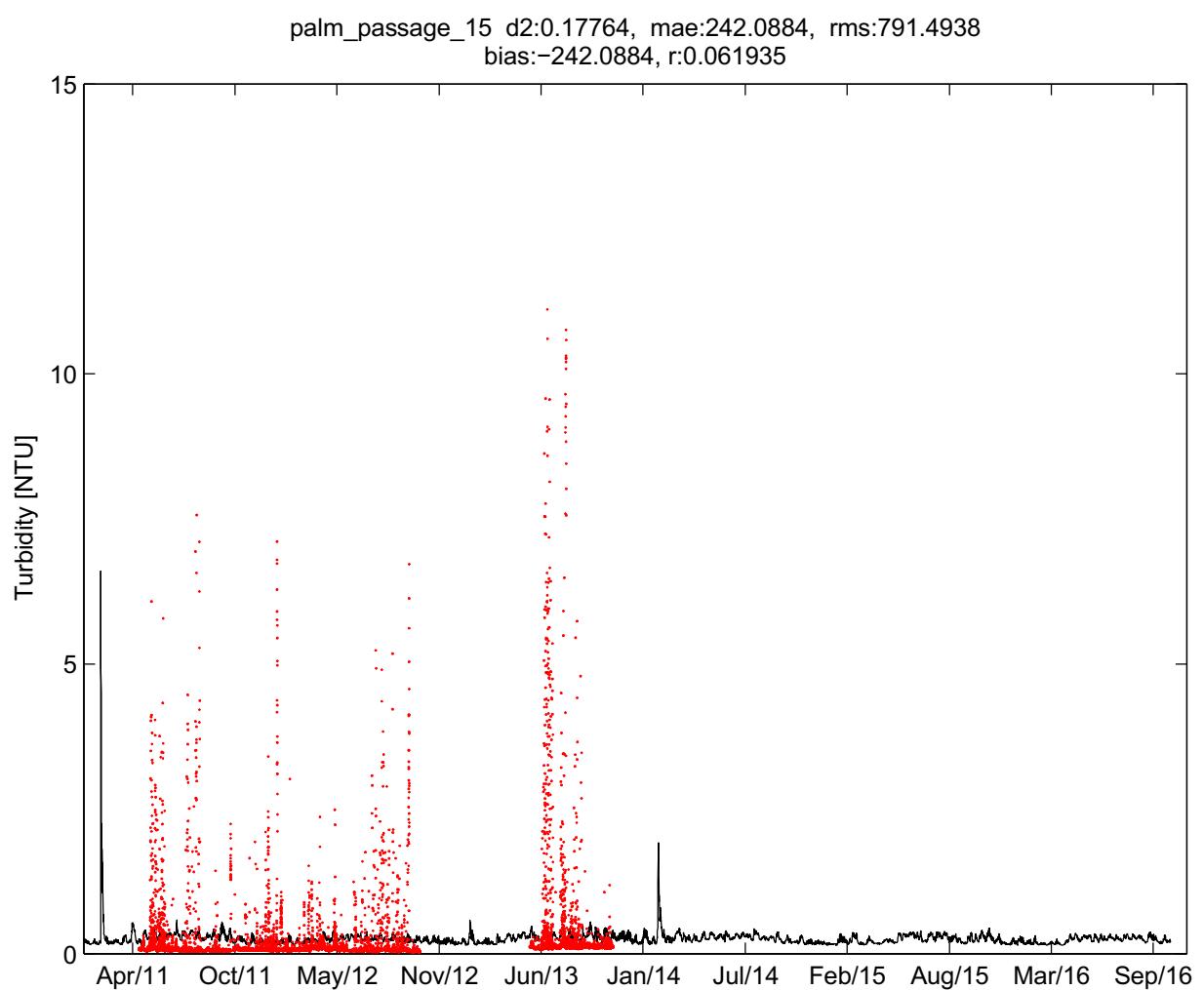


Figure 125: Palm Passage(GBRPPS) Turbidity. IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 15 m. Model grid deepest point at this site 71.9 m. Observation deepest point at this site 70 m.

palm_passage_60 d2:0.26546, mae:293.7654, rms:493.7533
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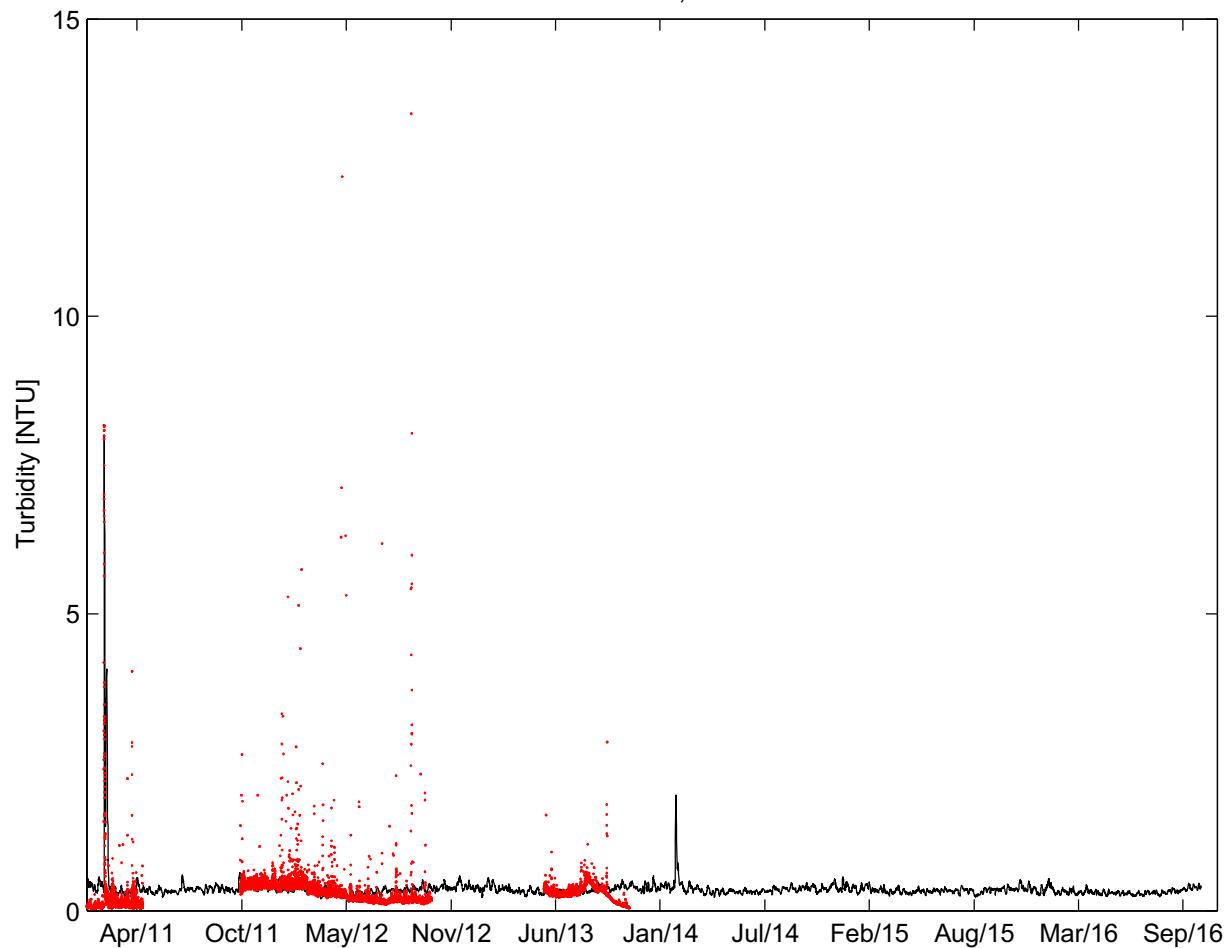


Figure 126: Palm Passage(GBRPPS) Turbidity IMOS Mooring observations against GBR4 model: Observation (blue), model (black): Parameter/s = Turb. Field observation depth taken: 60 m. Model grid deepest point at this site 71.9 m. Observation deepest point at this site 70 m.