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- C43 Observed (logarithmic axis with violin plot overlay) Secchi Depth data for the Dry Tropics Midshelf Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 227
- C44 Observed (logarithmic axis with violin plot overlay) NOx data for the Dry Tropics Midshelf Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 228
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- C46 Observed (logarithmic axis with violin plot overlay) Total Suspended Solids data for the Dry Tropics Offshore Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 230
- C47 Observed (logarithmic axis with violin plot overlay) Secchi Depth data for the Dry Tropics Offshore Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 231
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- C49 Observed (logarithmic axis with violin plot overlay) Chlorophyll-a data for the Mackay Whitsunday Enclosed Coastal Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 233

- C50 Observed (logarithmic axis with violin plot overlay) Total Suspended Solids data for the Mackay Whitsunday Enclosed Coastal Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 234
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- C63 Observed (logarithmic axis with violin plot overlay) Secchi Depth data for the Mackay Whitsunday Offshore Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 247

- C64 Observed (logarithmic axis with violin plot overlay) NO_x data for the Mackay Whitsunday Off-shore Zone from a) AIMS insitu, b) AIMS FLNTU, c) Satellite, d) eReefs and e) eReefs926. Observations are ordered over time and colored conditional on season as Wet (blue symbols) and Dry (red symbols). Blue smoother represents Generalized Additive Mixed Model within a water year and purple line represents average within the water year. Horizontal red, black and green dashed lines denote the twice threshold, threshold and half threshold values respectively. Red and green background shading indicates the range (10% shade: $x_{4/4}$; 30% shade: $x_{2/2}$) above and below threshold respectively. 248
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