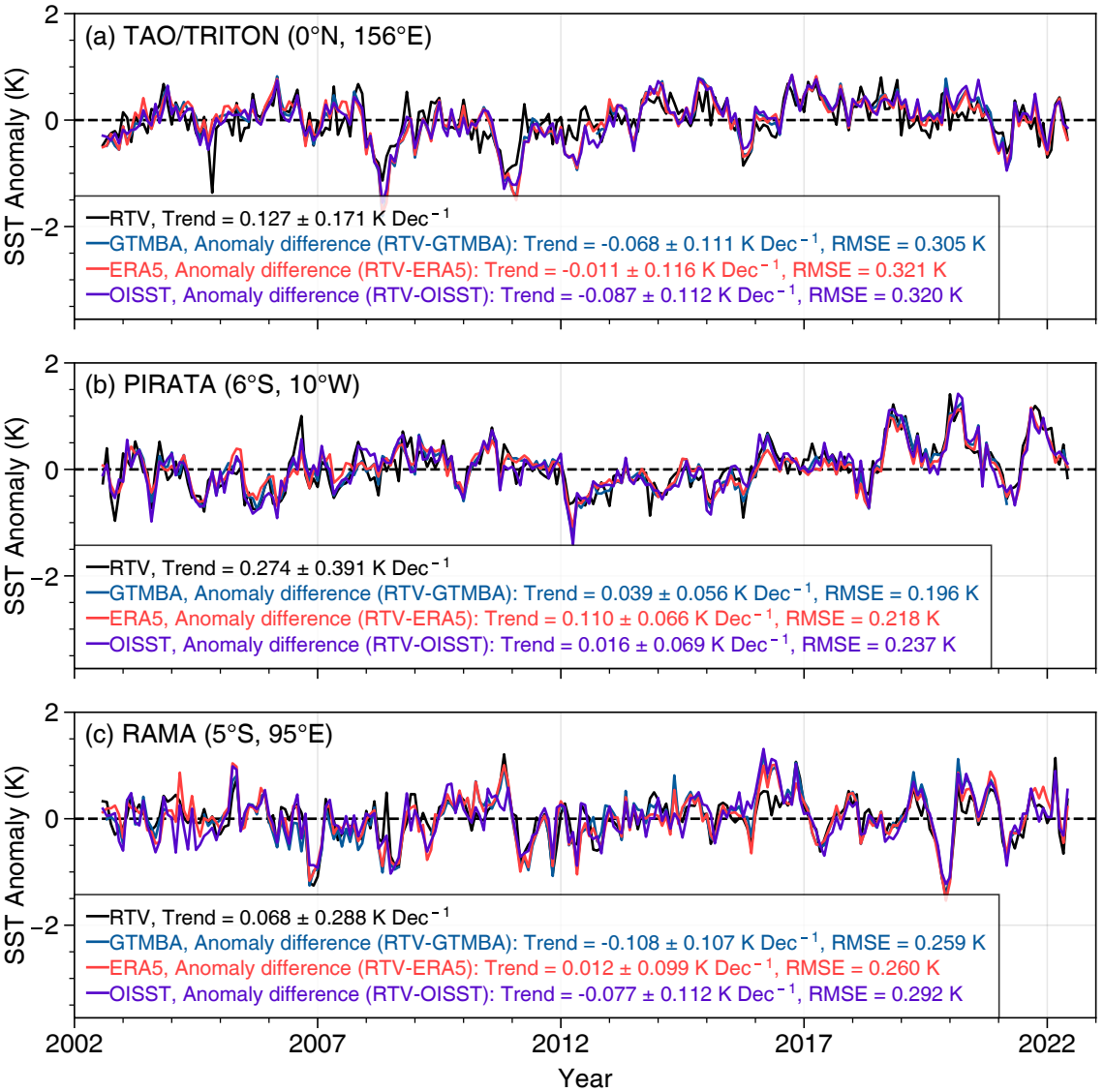
(a) TAO/TRITON (0°N, 156°E)
RTV, Trend = 0.127 ± 0.171 K Dec^{-1}
GTMBA, Anomaly difference (RTV-GTMBA): Trend = -0.068 ± 0.111 K Dec^{-1}, RMSE = 0.305 K
ERA5, Anomaly difference (RTV-ERA5): Trend = -0.011 ± 0.116 K Dec^{-1}, RMSE = 0.321 K
OISST, Anomaly difference (RTV-OISST): Trend = -0.087 ± 0.112 K Dec^{-1}, RMSE = 0.320 K
(b) PIRATA (6°S, 10°W)
RTV, Trend = 0.274 ± 0.391 K Dec^{-1}
GTMBA, Anomaly difference (RTV-GTMBA): Trend = 0.039 ± 0.056 K Dec^{-1}, RMSE = 0.196 K
ERA5, Anomaly difference (RTV-ERA5): Trend = 0.110 ± 0.066 K Dec^{-1}, RMSE = 0.218 K
OISST, Anomaly difference (RTV-OISST): Trend = 0.016 ± 0.069 K Dec^{-1}, RMSE = 0.237 K
(c) RAMA (5°S, 95°E)
RTV, Trend = 0.068 ± 0.288 K Dec^{-1}
GTMBA, Anomaly difference (RTV-GTMBA): Trend = -0.108 ± 0.107 K Dec^{-1}, RMSE = 0.259 K
ERA5, Anomaly difference (RTV-ERA5): Trend = 0.012 ± 0.099 K Dec^{-1}, RMSE = 0.260 K
OISST, Anomaly difference (RTV-OISST): Trend = -0.077 ± 0.112 K Dec^{-1}, RMSE = 0.292 K
SST Anomaly (K)
2
0
−2
2002
2007
2012
2017
2022
Year