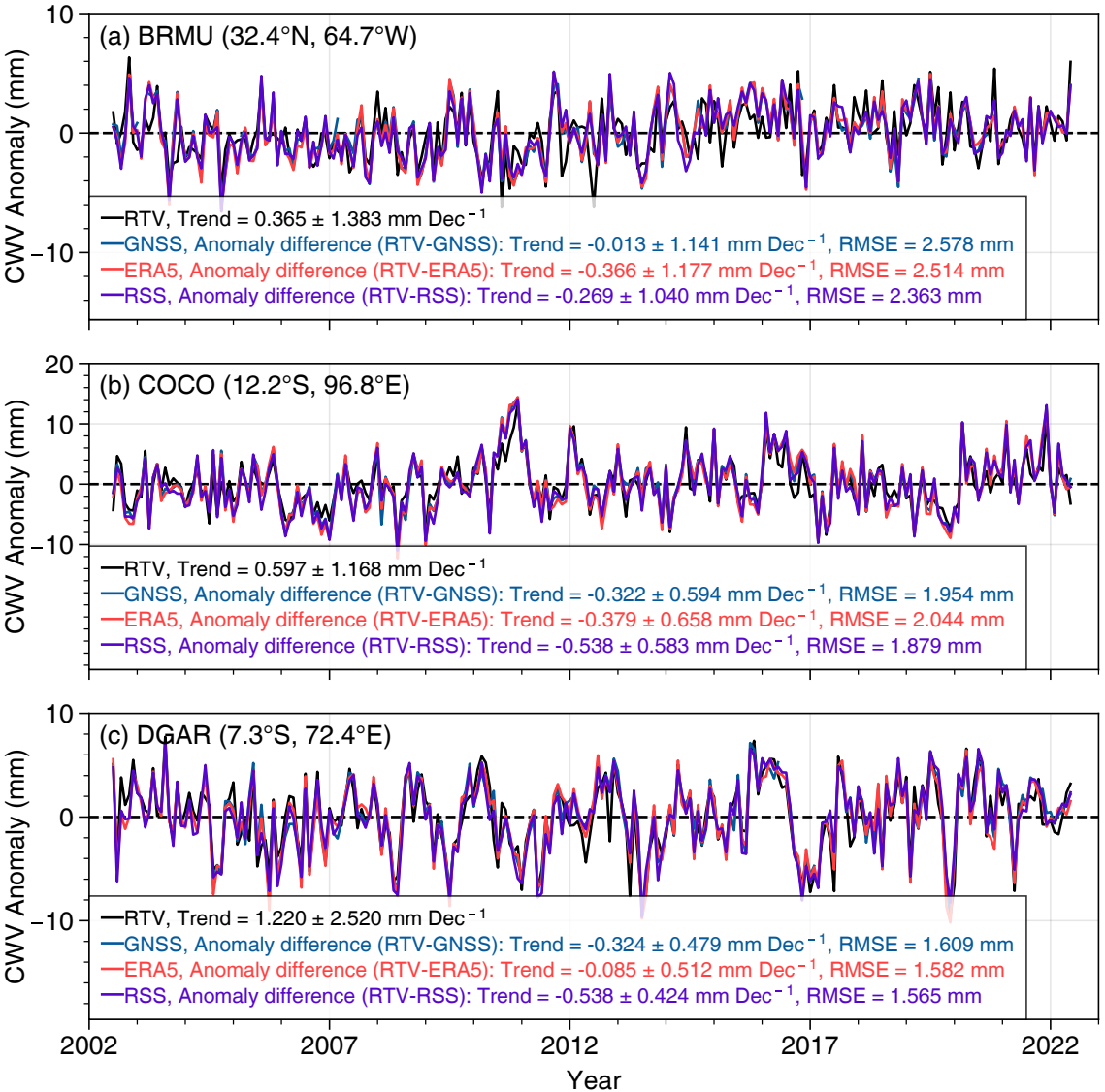
(a) BRMU (32.4°N, 64.7°W)
RTV, Trend = 0.365 ± 1.383 mm Dec⁻¹
GNSS, Anomaly difference (RTV-GNSS): Trend = -0.013 ± 1.141 mm Dec⁻¹, RMSE = 2.578 mm
ERA5, Anomaly difference (RTV-ERA5): Trend = -0.366 ± 1.177 mm Dec⁻¹, RMSE = 2.514 mm
RSS, Anomaly difference (RTV-RSS): Trend = -0.269 ± 1.040 mm Dec⁻¹, RMSE = 2.363 mm
(b) COCO (12.2°S, 96.8°E)
RTV, Trend = 0.597 ± 1.168 mm Dec⁻¹
GNSS, Anomaly difference (RTV-GNSS): Trend = -0.322 ± 0.594 mm Dec⁻¹, RMSE = 1.954 mm
ERA5, Anomaly difference (RTV-ERA5): Trend = -0.379 ± 0.658 mm Dec⁻¹, RMSE = 2.044 mm
RSS, Anomaly difference (RTV-RSS): Trend = -0.538 ± 0.583 mm Dec⁻¹, RMSE = 1.879 mm
(c) DGAR (7.3°S, 72.4°E)
RTV, Trend = 1.220 ± 2.520 mm Dec⁻¹
GNSS, Anomaly difference (RTV-GNSS): Trend = -0.324 ± 0.479 mm Dec⁻¹, RMSE = 1.609 mm
ERA5, Anomaly difference (RTV-ERA5): Trend = -0.085 ± 0.512 mm Dec⁻¹, RMSE = 1.582 mm
RSS, Anomaly difference (RTV-RSS): Trend = -0.538 ± 0.424 mm Dec⁻¹, RMSE = 1.565 mm
CWV Anomaly (mm)
Year
2002
2007
2012
2017
2022