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*Supplement of*

## **Coastal sea level response to the tropical cyclonic forcing in the northern Indian Ocean**

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Supplementary figures

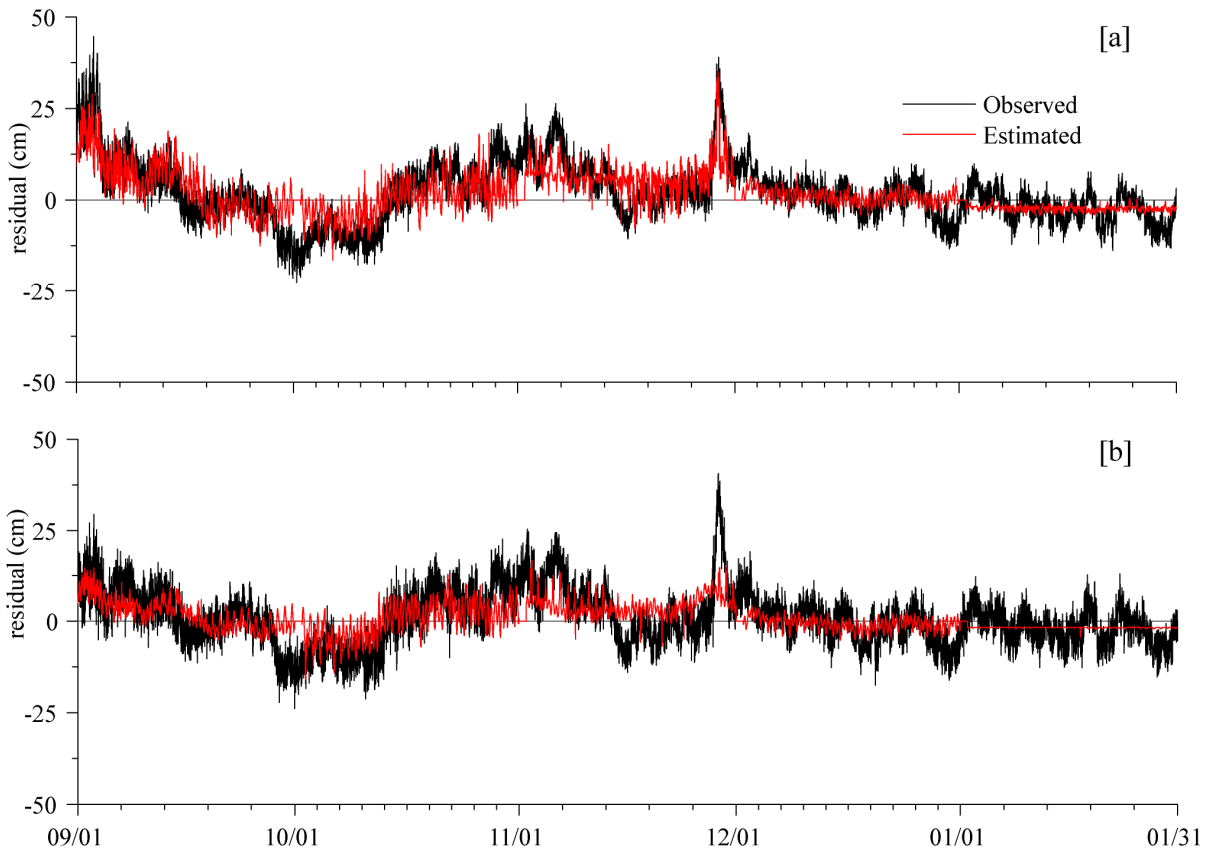
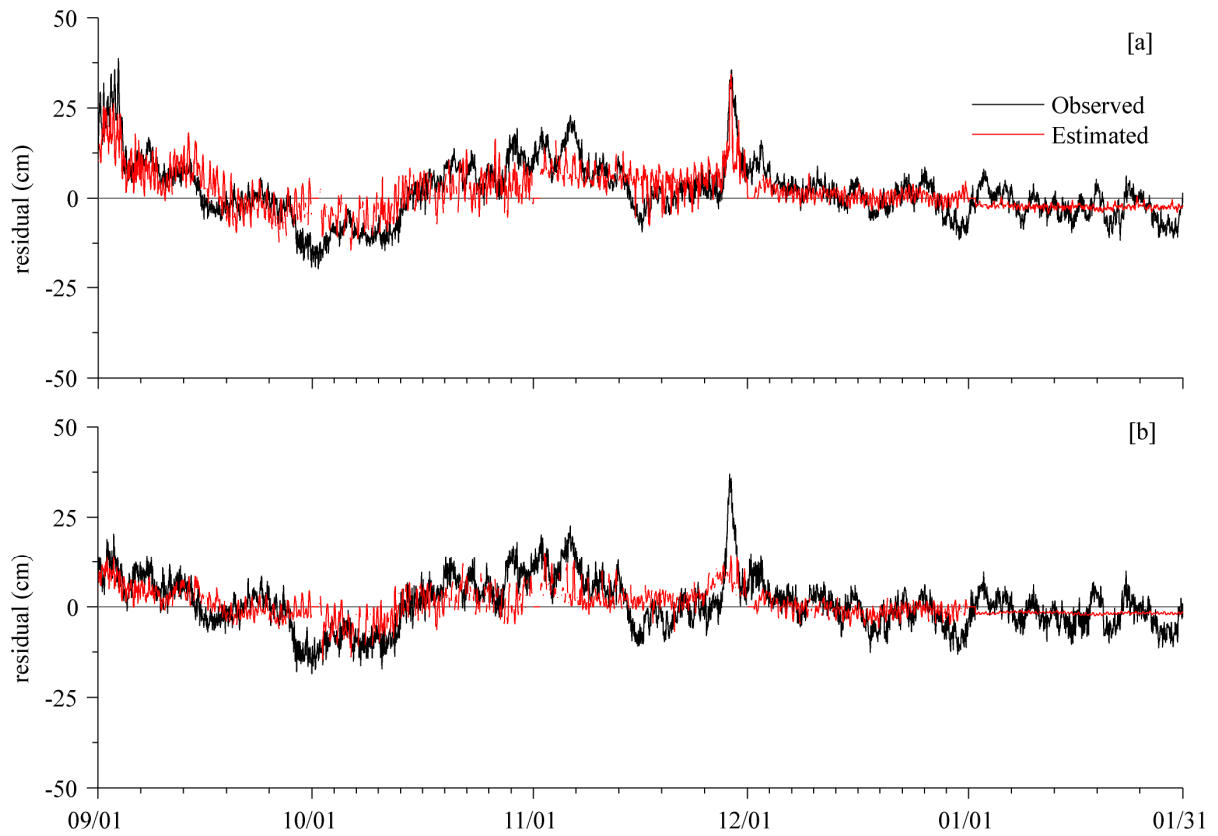
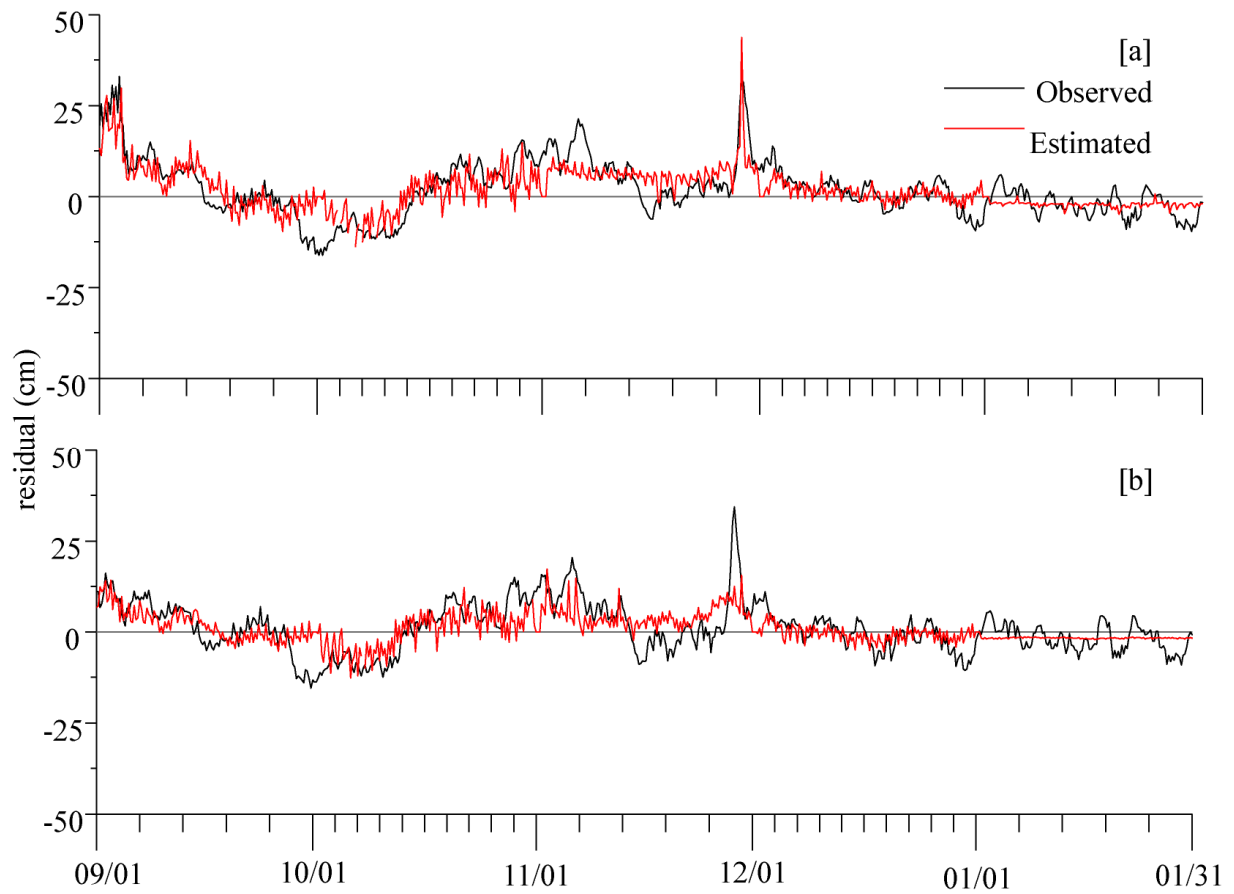


Fig. S1. Measured (black) and estimated (red) sea level residual at 10 minute interval from September 2011 to January 2012 at [a] Verem and [b] Karwar



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Fig. S2. Measured (black) and estimated (red) sea level residual at 60 minute interval from September 2011 to January 2012 at [a] Verem and [b] Karwar



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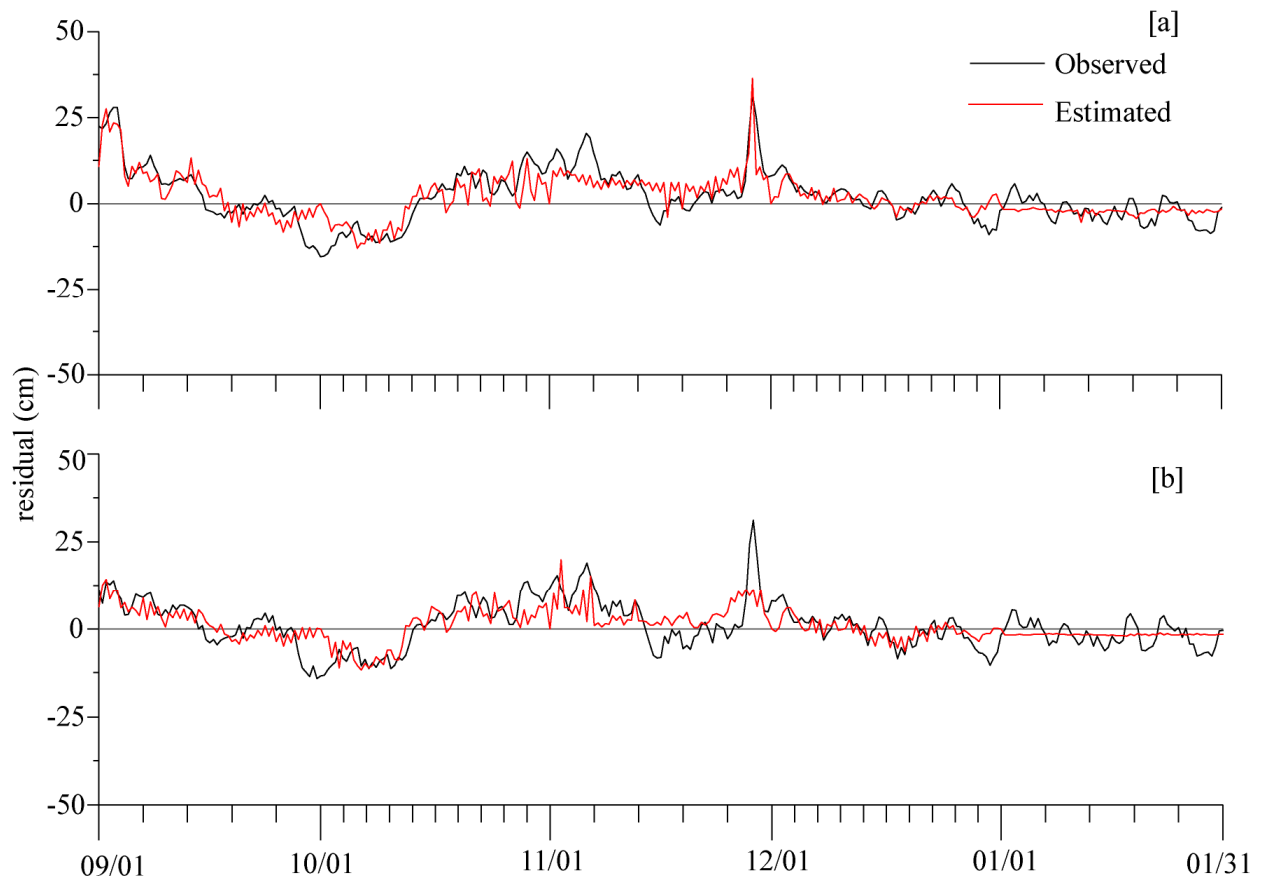
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33 Fig. S3. Measured (black) and estimated (red) sea level residual at 6 h interval from  
 34 September 2011 to January 2012 at [a] Verem and [b] Karwar

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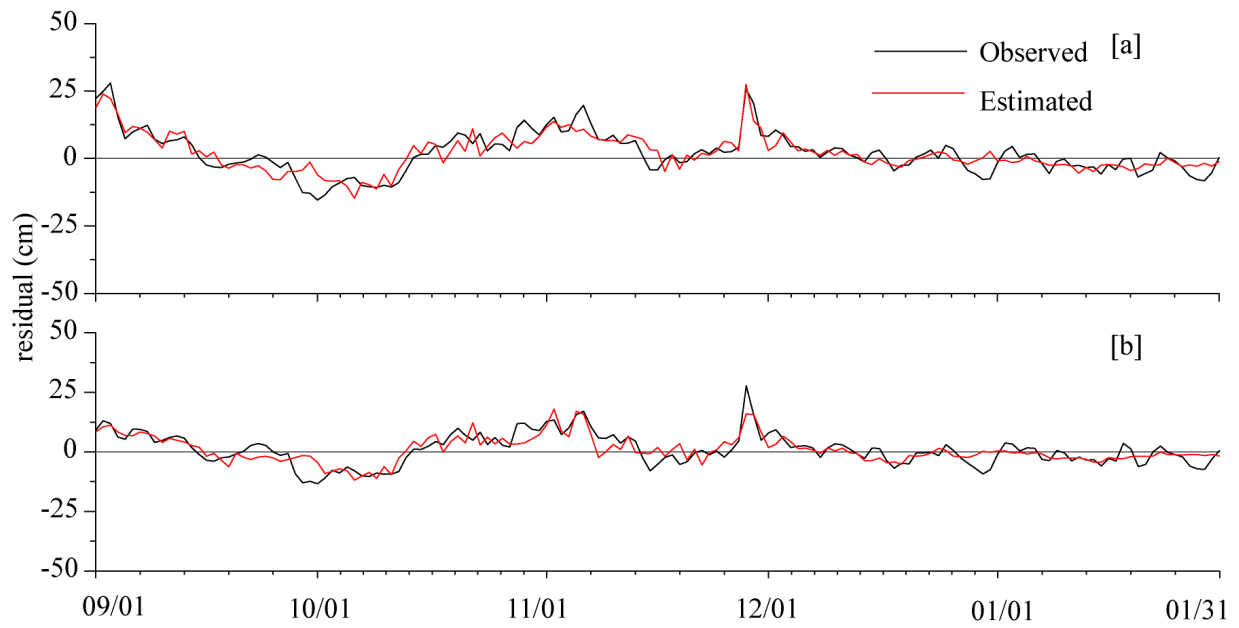
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40 Fig. S4. Measured (black) and estimated (red) sea level residual at 12 h interval  
 41 from September 2011 to January 2012 at [a] Verem and [b] Karwar

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46 Fig. S5. Measured (black) and estimated (red) sea level residual at 24 h interval  
 47 from September 2011 to January 2012 at [a] Verem and [b] Karwar

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50 Table S1. Sea level residual variance explained by the regression at different averaged intervals.

Station	Variance explained $Var_e$ (%) at different averaging intervals				
	10 m	60 m	6 hr	12 hr	24 hr
Verem	45.8	50.5	55.3	65.3	75.8
Karwar	26.9	30.6	37.7	47.7	66.3

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