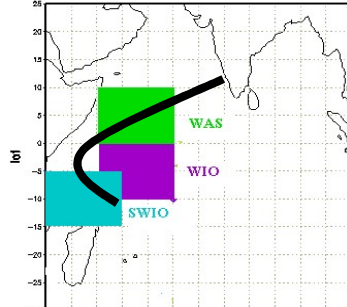


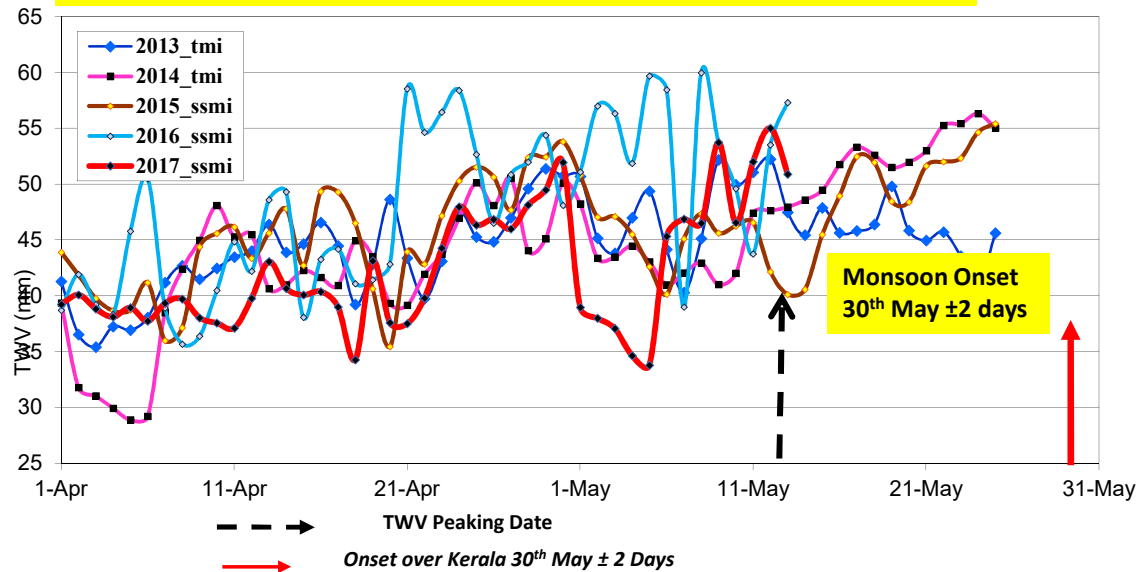
## Monitoring of Monsoon Onset over Kerala-2017 Using Satellite Data

Monitoring the perspective onset precursors from SSMI & Other satellite data for 2017.  
AS & BB cyclones can disturb the TWV build up during onset phase.

Various Segments over Indian Ocean –Monsoon onset



Updated TPW-build-up over WAS in connection with MOK-2017



Year	Peaking Of TWV (mm)	Onset Date (IMD)	Difference	Pred. onset.
2006	11 May	26 May	15 Days	29 May
2007	11 May	28 May	17 Days	29 <sup>th</sup> May
2008	10 May	31 May	17 Days	28 <sup>th</sup> May
2009	7 May	23 May	16 Days	25 <sup>th</sup> may
2010	3 May	31 May	28 Days	21 may
2011	12 May	29 May	17 Days	30 <sup>th</sup> may
2012	18 May	5 <sup>th</sup> June	18 days	5 <sup>th</sup> June
2013	12 May	1 <sup>st</sup> June	20 days	30 <sup>th</sup> May
2014	17 May	6 <sup>th</sup> June	20 days	4 <sup>th</sup> June
2015	17 May	5 <sup>th</sup> June	19 days	4 <sup>th</sup> June
2016*	8 <sup>th</sup> MAY	8 <sup>th</sup> June	28 days	26 <sup>th</sup> May
2017	12 <sup>th</sup> May	-----	?	30 <sup>th</sup> May

\* In 2016 Rainfall started by 27<sup>th</sup> May but 850hPa Wind Speed criteria did not meet according to IMD

Updated TPW peaks on 12<sup>th</sup> May which indicates that , 30<sup>th</sup> May ( $\pm 2$  days) could be the Onset date over Kerala.