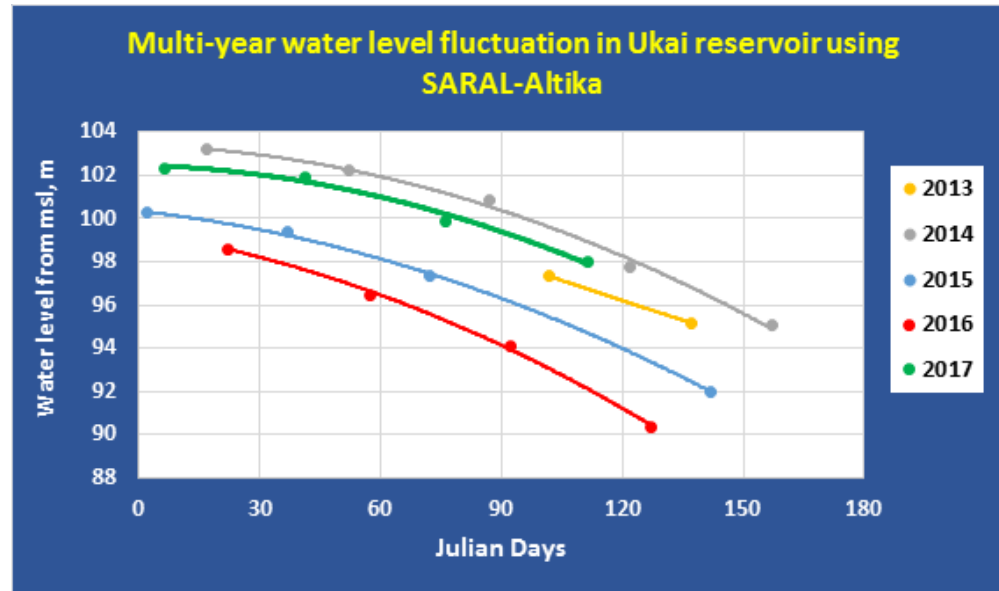
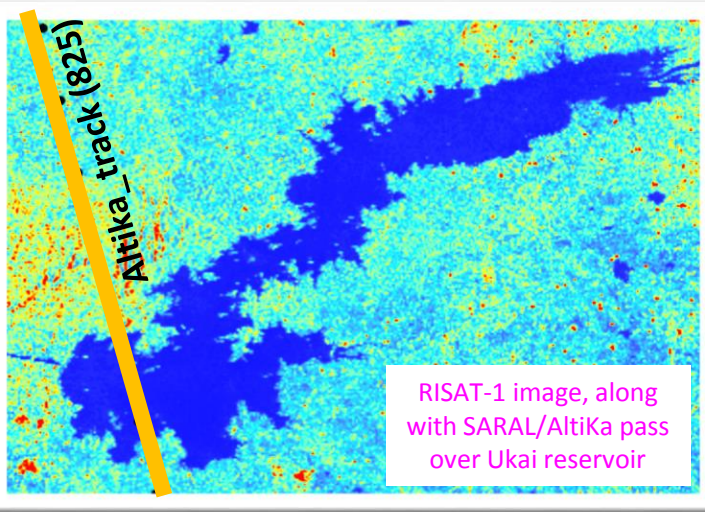


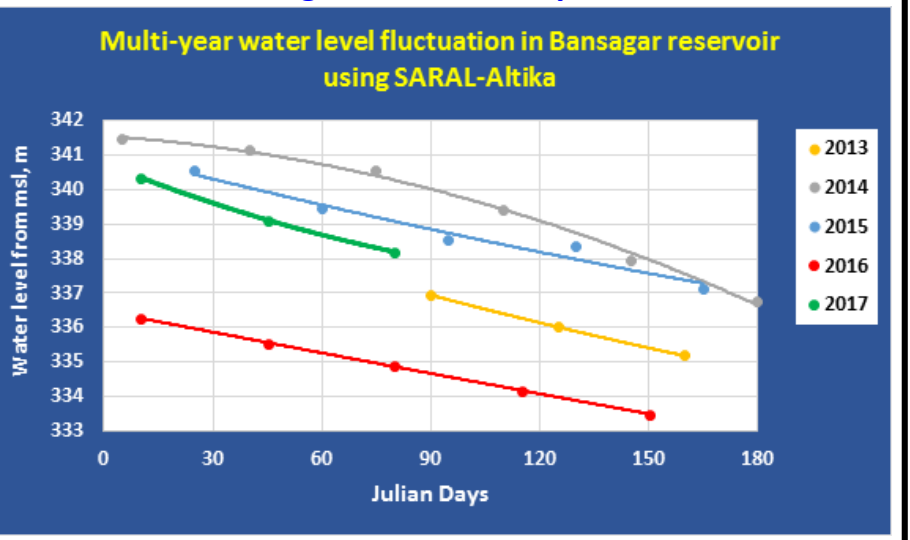
# CURRENT STATUS OF RESERVOIRS WATER AVAILABILITY USING SARAL-ALTIKA



- Two years (2014-15) of poor rainfall had led to decrease in water levels of many Indian major reservoirs leading to condition of hydrological drought in most part of the country during summer of 2016. **In the current year till recently situation has improved significantly as compared to last year** although there is still deficit with normal water availability (summer 2014).

- SARAL-Altika and other altimeter sensors are being used for detecting water level fluctuations in major reservoirs since March 2013. A detailed study on Ukai & Bansagar reservoirs reveal lowest water levels in 2016 with significant improvement in the current year.

**Current status of Water levels in the Bansagar Reservoir (there is significant improvement (> 3 m) since last year during the same time period)**



**Assessment of water levels and volume (million cubic metre; MCM) for Ukai reservoir**

Date	Water level (meter)	Capacity (MCM)
12-Apr-13	97.31	3347.75
01-Apr-14	100.48	4570.81
01-Apr-15	95.89	2905.15
01-Apr-16	94.12	2424.73
01-Apr-17	98.5	3819.261

- The amount of water volume availability has been increased significantly (57 %) in 2017 as compared to 2016 whereas it is still less by 16.4% in comparison to normal summer of 2014 for the same time frame over the Ukai Reservoir. Similar trend of rise of water levels has been observed in Bansagar reservoir also.