

	L3 BINNED		L3 OPTIMALLY INTERPOLATED		L4 FUSED	
	Reprocessed	NRT	Reprocessed	NRT	Reprocessed	NRT
T <sub>b</sub>	ESA L1c (reconstructed on ISEA-15km grid)					
SSS retrieval	L2OS v5 (Dwell-line; iterative retrieval) <i>+</i> : T <sub>b</sub> weighted by radiometric accuracy; wind adjusted & theoretical error estimate <i>-</i> : complex					
Wind-model	Model 3					
Calibration	Variable OTT OTT deployment:					
	Every 2 weeks <i>+</i> : correct most seasonal biases <i>-</i> : remaining latitudinal biases(±0.5pss)	~Every month <i>-</i> : remaining seasonal (±1 pss) as well as latitudinal biases(±0.5pss)				
Flagging	L2OS 'retrieval flags' and 'geophysical flags'					
Region of FOV considered	EAFFOV (+/-360km from swath centre) <i>+</i> : keep large incidence angle variation <i>-</i> : more suspicious T <sub>b</sub> in EAFFOV than in AFFOV					
SSS processing method	Weighted by retrieval error and SSS equivalent resolution <i>+</i> measurement spatial resolution <i>-</i> no interorbit consistency check		OI: L3 Binned + WOA09 SSS (background) <i>+</i> improved data accuracy <i>-</i> smoother maps		Fusion: L3 Binned fused with OSTIA SST <i>+</i> improved data accuracy. Higher spatial resolution	
Format	Netcdf – rectangular grid		Netcdf – rectangular grid		Netcdf – rectangular grid	
Access	smos-bec@cmima.csic.es		smos-bec@cmima.csic.es		smos-bec@cmima.csic.es	
Period	From Jan 2010 up to now*		From Jan 2010 up to now*		From Jan 2010 up to now*	
Resolution	Grid : 0.25°x0.25°		Grid : 0.25°x0.25°		Grid : 0.25°x0.25°	
	Temporal: 3-day, 9-day, monthly, seasonal and annual		Temporal: 3-day, 9-day, monthly, seasonal and annual		Temporal: 3-day, 9-day, monthly, seasonal and annual	

\* Due to the higher quality of reprocessed data (mainly because of 2 weeks OTT deployment) only NRT data not yet reprocessed are served.

Acronyms:

AFFOV: Alias Free Field of View  
EAFFOV: Extended Alias Free Field of View  
ESA: European Space Agency  
ISEA-grid: Icosahedron Snyder Equal Area Grid  
NRT: Near Real Time  
OI: Optimal Interpolation  
OSTIA: Operational Sea Surface Temperature and Sea Ice Analysis  
SSS: Sea Surface Salinity  
SST: Sea Surface Temperature  
T<sub>b</sub>: Brightness temperature  
WOA09: World Ocean Atlas 2009