

Theme	Product	Data access on FTP site										Notes	
		Name			Archesence (in relative)			Archesence (in relative)					
		SM_CLAS_MIR_PRODUC_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7	Scientific Domain (SMOS)	Geographical Cover	Collection	Class	Product Type	Year	Month	Day number in the year	Week number in the year	All products are using the EASE2 grid	
Common products	Global polarised brightness temperature product - cylindrical projection - (arranged by incidence angle values) only in full polarization This product is a daily product. It includes all brightness temperatures acquired that day, at top of atmosphere level, transformed to ground polarisation reference frame, binned and averaged into fixed angle classes, in cylindrical projection. Ascending and descending orbits are processed separately, and only in full polarization. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CDF31x_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CDF31x : - C means that the data comes from CATDS - D for daily data - F for full polarisation - 31 means L3 polarised brightness temperature product - 'x' for data from ascending orbit; 'D' for data from descending orbit	Common_products (SMOS)	GRIDDED	L3	RE07 OPER	MIR_CDF31[AD]	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	Global polarised brightness temperature product - polar projection - (arranged by incidence angle values) only in full polarization This product includes all brightness temperatures acquired at top of atmosphere level, transformed to ground polarisation reference frame, binned and averaged into fixed angle classes, in polar projection. Each orbit (equator to equator) is processed separately, and only in full polarization. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_TEST_MIR_CDF31x_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CDF31x : - C means that the data comes from CATDS - D for daily data - F for full polarisation - 31 means L3 polarised brightness temperature product - 'x' for data from ascending orbit; 'D' for data from descending orbit	Common_products (SMOS)	GRIDDED	L3	RE07 OPER	MIR_CDF31[N]	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	1 day global map of Soil Moisture Values (Simplified UOP product) This product is the daily product of soil moisture. The retrievals are based on a multi-orbit retrieval algorithm. Ascending and descending orbits are processed separately. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF3Sx_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF3Sx : - C means that the data comes from CATDS - L for land data - F for full polarisation - 3S: for SM, it means Simplified UOP product - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF3S[AD]	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	1 day global map of Soil Moisture Values (P11p) This product is the daily product of soil moisture, and contains filtered data. The best estimation of soil moisture is selected for each month when several multi-orbit retrievals are available for a given day. A detection of particular events is also performed in order to flag the data. Ascending and descending orbits are still processed separately. The aggregated products are generated from this fundamental product. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF31x_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF31x : - C means that the data comes from CATDS - L for land data - F for full polarisation - 31: for SM, it means 1 day global map (L3 P1) product - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF31[AD]	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	Global L3 Soil Moisture products, 3 days global map The 3-day global product of soil moisture is an aggregation of daily global maps of soil moisture and its associated parameters over a 3 day moving window. The whole Earth's surface is covered in this 3-day product. The distinction between ascending and descending orbits is kept (no ascending/descending orbits aggregation). DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF33x_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF33x : - C means that the data comes from CATDS - L for land data - F for full polarisation - 33: for SM, it means 3 days global map (L3 P3 product) - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF33[AD]	(year)		(month)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	Dielectric constant maps, 3 days global map The 3-day global product of dielectric constant is an aggregation of daily global maps of dielectric constant and its associated parameters over a 3 day moving window. The whole Earth's surface is covered in this 3-day product. The distinction between ascending and descending orbits is kept (no ascending/descending orbits aggregation). DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF3Ex_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF3Ex : - C means that the data comes from CATDS - L for land data - F for full polarisation - 3E: for SM, it means dielectric constant map (L3 P4 product) - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF3E[AD]	(year)		(month)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
Soil Moisture products	Global L3 SM products, 10 days global map The 10-day global product is a decade aggregation of daily global maps. It contains minimum, maximum and median values of soil moisture and its associated parameters over the decade. The distinction between ascending and descending orbits is kept (no ascending/descending orbits aggregation). DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF3Dx_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF3Dx : - C means that the data comes from CATDS - L for land data - F for full polarisation - 3D: for SM, it means 10 days global map (L3 P2 product) - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF3D[AD]	(year)		(month)			RE07 : 2010 => 31/05/2021 OPER : 01/06/2021 => ongoing
	Global L3 SM products, monthly global map The monthly global product is a monthly aggregation of daily global maps. It provides the mean soil moisture, vegetation optical thickness, RFI statistics over a month, without taking into account the detected events in the daily product. It can be useful for climate monitoring. The distinction between ascending and descending orbits is kept (no ascending/descending orbits aggregation). DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF3Mx_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF3Mx : - C means that the data comes from CATDS - L for land data - F for full polarisation - 3M: for SM, it means 1 month global map (L3 P3 product) - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF3M[AD]	(year)		(month)			RE07 : 2010 => 31/05/2021 OPER : 01/06/2021 => ongoing
	Global L4 RZSM product, daily global map of root zone soil moisture This product provides RZSM (m3/m3) representative of the 0-1 m depth of the soil. The product contains also a quality index taking into account the presence of Radio Frequency Interference (RFI), low quality of retrieval of the input surface soil moisture, and a high fraction of non-normal surfaces. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CLF4Rx_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CLF4RD : - C means that the data comes from CATDS - L for land data - F for full polarisation - 4R: for SM, it means L4 Root zone soil moisture - 'x' for data from ascending orbit; 'D' for data from descending orbit	Land_products (SM)	GRIDDED	L4SM	RE07 OPER	MIR_CLF4R[AD]	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	Intermediate product OS/SSS L2Q - Valid Debiased Ocean Salinity values This product has the same format as the L2P product, with SSS corrected from coastal bias and latitudinal bias. An additional field qualifies the corrected SSS with the information from AUX_MINMAX. DOI: http://dx.doi.org/10.12770/12ba5a10-cd71-4641-9e1-9cd27d128b0	SM_CLAS_MIR_CSF2Qx_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CSF2Qx : - C means that the data comes from CATDS - S for sea data - F for full polarisation - 2Q means Intermediate product OS L2Q - 'x' for data from ascending orbit; 'D' for data from descending orbit	Ocean_products (OS)	GRIDDED	L3OS	RE07 OPER	MIR_CSF2Q[AD]	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
Ocean Salinity products	L3 OS/SSS product L3Q - Average Debiased Salinity values Average debiased (coastal & latitudinal biases) 10 days & monthly salinity field based on L2Q products, at 2 spatial resolutions (25km, 50km) DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CSQ3r_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CSQ3r : - C means that the data comes from CATDS - S for sea data - Q3: means L3 OS debiased product in full polarisation only - 'r' for 25km, 'b' for 50km - 'x' for data from ascending orbit; 'D' for data from descending orbit	Ocean_products (OS)	GRIDDED	L3OS	RE07 OPER	MIR_CSQ3A MIR_CSQ3B	(year)		(month)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	L3 OS/SSS L3Q - Debiased gaussian average daily salinity field This product contains daily salinity fields from a 9 days temporal gaussian average, corrected from land-sea contamination and latitudinal bias, based on L2Q products, mixing ascending and descending orbits. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CS3G09_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CS3G09 : - C means that the data comes from CATDS - S for sea data - 3G: means L3 OS in Gaussian mean - 09: mean 9 days (width of the gaussian)	Ocean_products (OS)	GRIDDED	L3OS	RE07 OPER	MIR_CS3G09	(year)		(day)			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
	Weakly optimal interpolation salinity field product from SMOS satellite and ISAS This product contains global Level 4 analyses of the of the Sea Surface Salinity (SSS), Sea Surface Density (SSD) and Sea Surface Spiciness (SSp), along with Sea Surface Absolute Salinity (SSA), Conservative Temperature (SCT), surface thermal expansion coefficient (alpha) and haline contraction coefficient (beta). The SSS product is obtained using an optimal interpolation (OI) algorithm, that combines ISAS in situ SSS OI analyses and Soil Moisture Ocean Salinity (SMOS) satellite image to reduce large scale and temporary varying bias. The SSS L4 product outcome is then combined with satellite SST products to compute thermodynamic sea water parameters using TEOS-10. DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_CLAS_MIR_CSF4O1_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CSF4O1 : - C means that the data comes from CATDS - S for sea data - F for full polarisation - 4O: means L4 Optimal interpolation - 1 for SMOS + ISAS	Ocean_products (OS)	GRIDDED	L4OS	RE07 OPER	MIR_CSF4O1	(year)			(week)		RE07 : 2010 => 30/05/2021 OPER : 31/05/2021 => ongoing
Ocean Salinity products (1-day delay alternative product)	Intermediate product OS/SSS L2Q - Valid Debiased Ocean Salinity values This product has the same format as the L2P product, with SSS corrected from coastal bias and latitudinal bias. An additional field qualifies the corrected SSS with the information from AUX_MINMAX. DOI: http://dx.doi.org/10.12770/12ba5a10-cd71-4641-9e1-9cd27d128b0	SM_OPER_NRT_CSF2Qx_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CSF2Qx : - C means that the data comes from CATDS - S for sea data - F for full polarisation - 2Q means Intermediate product OS L2Q - 'x' for data from ascending orbit; 'D' for data from descending orbit	Ocean_products (OS)	GRIDDED	L3OS	OPER	NRT_CSF2Q[AD]	(year)		(day)			
	L3 OS/SSS product L3Q - Average Debiased Salinity values Average debiased (coastal & latitudinal biases) 10 days salinity field based on L2Q products, at 2 spatial resolutions (25km, 50km) DOI: http://dx.doi.org/10.12770/00294636-baac-4282-a741-131ae72e677	SM_OPER_NRT_CSQ3r_YYYYMMDDTHHMSS_YYYMMDDTHHMSS_vvv_ccc_7 CSQ3r : - C means that the data comes from CATDS - S for sea data - Q3: means L3 OS debiased product in full polarisation only - 'r' for 25km, 'b' for 50km - 'x' for data from ascending orbit; 'D' for data from descending orbit	Ocean_products (OS)	GRIDDED	L3OS	OPER	NRT_CSQ3A NRT_CSQ3B	(year)		(month)			