Theme	Product	Data access on Naming SM_CLAS_MIR_PRODUC_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7				Arbon	escence (in relative).				Notes
		SM_CLAS_MIR_PRODUC_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - SM: related to SMOS mission	Scientific Domain	Geographical Cover	Collection	Class	Product Type	Year	Month	Day number in the year	Week number in	All products are using the EASE2 grid
l i		- CLAS : File Class (OPER : operational mode; RExx : reprocessing xx) - MIR (File Category) : MIRAS									the year	
		- PRODUC : product specific (see below for each product)										
1		- yyyymmddThhmmss: sensing start time of the data contained in the product - YYYYMMDDTHHMMSS: sensing stop time of the data contained in the product										
1		 - ww : version number of the processor generating the product - ccc : file counter (used to make distinction among products having all other filename identifiers identical). 										
_	Global polarised brightness temperature product - cylindrical projection -	The counter (used to make distinction among products having an other mename identifiers identical). The counter (used to make distinction among products having an other mename identifiers identical). SM_CLAS_MIR_CDF3Tx_yyyymmddThhmmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Common_products	GRIDDED	13	RE07	MIR_CDF3T[AD]	{year}		{day}		RE07 : 2010 => 24/05/2021
	(arranged by incidence angle values) only in full polarization This product is a daily product. It includes all brightness temperatures acquired that	-CDF3Tx : - C means that the data comes from CATDS	(SMOS)	GIUDDED	100	OPER	min Copi or proj	goung		loni		OPER : 25/05/2021 => ongoing
	day, at top of atmosphere level, transformed to ground polarisation reference frame,	- D for daily data										
oduct	binned and averaged into fixed angle classes, in cylindrical projection. Ascending and descending orbits are processed separately, and only in full polarisation.	F for full polarisation The full polarised brightness temperature product										
ou bu	DOI: http://dx.doi.org/10.12770/6294e08c-baec-4282-a251-33fee22ec67f	_x = "A" for data from ascending orbit: "D" for data from descending orbit SM_TEST_MIR_CDF3Tx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Common_products	GRIDDED	13	RF07	MIR_CDF3T[NS]	(vear)		{day}		RE07 : 2010 => 24/05/2021
m wo	by incidence angle values) only in full polarization This product includes all brightness temperatures acquired at top of atmosphere	- CDF3Tx: - C means that the data comes from CATDS	(SMOS)			OPER		,		,,		OPER: 25/05/2021 => ongoing
Ŭ	level, transformed to ground polarisation reference frame, binned and averaged into fixed angle classes, in polar projection. Each orbit (equator to equator) is processed.	- D for daily data - F for full polarisation										
	separately, and only in full polarisation.	F for full polarisation The full polarised brightness temperature product										
	DOI: http://dx.doi.org/10.12770/6294e08c-baec-4282-a251-33fee22ec67f 1 day global map of Soil Moisture Values (Simplified UDP product)	_x= "N" for data from north bemisphere orbit: "S" for data from south bemisphere orbit SM_CLAS_MIR_CLF3Sx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Land_products	GRIDDED	L3SM	RE07	MIR_CLF3S[AD]	{year}		{day}		RE07 : 2010 => 24/05/2021
	This product is the daily product of soil moisture. The retrievals are based on a multi- orbit retrieval algorithm.	- CLF3Sx : - C means that the data comes from CATDS	(SM)			OPER						OPER: 25/05/2021 => ongoing
	Ascending and descending orbits are processed separately. DOI: https://doi.org/10.12770/8db7102b-1b22-4db3-949d-e51269417aae	- L for land data - F for full polarisation										
	DOI: https://doi.org/10.12770/80071026-1022-4003-9490-851269417888	- 3S: for SM, it means Simplified UDP product										
	1 day global map of Soil Moisture Values (P11p)	_ x= "A" for data from ascending orbit "D" for data from descending orbit SM_CLAS_MIR_CLF31x_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Land_products	GRIDDED	L3SM		MIR_CLF31[AD]	{year}		{day}		RE07 : 2010 => 24/05/2021
	This product is the daily product of soil moisture, and contains filtered data. The best estimation of soil moisture is selected for each node when several multi-orbit	- CLF31x : - C means that the data comes from CATDS	(SM)			OPER						OPER: 25/05/2021 => ongoing
	retrievals are available for a given day. A detection of particular events is also performed in order to flag the data.	- L for land data - F for full polarisation										
	Ascending and descending orbits are still processed separately.	- 31: for SM, it means 1 day global map (L3 P11p product)										
	The aggregated products are generated from this fundamental product. DOI: http://dx.doi.org/10.12770/9csfd22f.ad3f.d090.9556.b2s895ba2cs8	- x= "A" for data from ascending orbit; "D" for data from descending orbit										
	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	SM_CLAS_MIR_CLF33x_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - CLF33x:	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF33[AD]	{year}	{month}			RE07: 2010 => 24/05/2021 OPER: 25/05/2015 => ongoing
	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	- C means that the data comes from CATDS	1									
	and descending orbits is kept (no ascending/descending orbits aggregation). DOI: http://dx.doi.org/10.12770/b5720d3d-66e4-4615-b2ba-6feb7166e0e6	- E for full polarisation - 33: for SM, it means 3 days global map (L3 P1 product)										
40	,	- x = "A" for data from ascending orbit: "D" for data from descending orbit										
oduct	Dielectric constant maps, 3 days global map The 3-day global product of dielectric constant is an aggregation of daily global maps	SM_CLAS_MIR_CLF3Ex_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - CLF3Ex:	Land_products (SM)	GRIDDED	L3SM	RE07 OPER	MIR_CLF3E[AD]	{year}	{month}			RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
nd eur	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	- C means that the data comes from CATDS - L for land data										
Moisture	ascending and descending orbits is kept (no ascending/descending orbits	- F for full polarisation - 3E: for SM, it means dielectric constant map (L3 P4 product)										
So	aggregation). DDI: http://dx.doi.org/10.12770/f6e48c06-0738-402d-a790-55ac7d6c6fe7	- x = "A" for data from ascending orbit: "D" for data from descending orbit		GRIDDED	L3SM	0507	LUD OI FORMAN	, ,				RE07 : 2010 => 31/05/2021
	Global L3 SM products, 10 days global map The 10-day global product is a decade aggregation of daily global maps. It contains	SM_CLAS_MIR_CLF3Dx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - CLF3Dx :	Land_products (SM)	GRIDDED	L3SM	OPER	MIR_CLF3D[AD]	{year}	{month}			RE07 : 2010 => 31/05/2021 OPER : 01/06/2021 => ongoing
	minimum, maximum and median values of soil moisture and its associated parameters over the decade.	C means that the data comes from CATDS L for land data										
	The distinction between ascending and descending orbits is kept (no ascending/descending orbits aggregation).	- F for full polarisation - 3D: for SM, it means 10 days global map (L3 P2 product)										
	ascentinigrosecentining orbits aggregation; DOI: http://dx.doi.org/10.1927/0/h5720/d3d-e6e4-4615-h2ha-6feh7166e0e6 Global L3 SM products, monthly global map	- 30. IOI SM, It it leafts to Uday's global map (LS P2 product) - ve "A" for data from seconding with "T) for data from decreading with SM_CLAS_MIR_CLF3Mx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7		oningen	1.0014	DEST	MIR CLF3M(AD)	, ,				DE07 0040 - 04/05/0004
	The monthly global product is a monthly aggregation of daily global maps. It provides	SM_CLAS_MIR_CLF3Mx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - CLF3Mx:	Land_products (SM)	GRIDDED	L3SM	OPER	MIR_CLF3M[AD]	{year}	{month}			RE07 : 2010 => 31/05/2021 OPER : 01/06/2021 => ongoing
	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	- C means that the data comes from CATDS										
	for climate monitoring. The distinction between ascending and descending orbits is kept (no	- F for full polarisation - 3M: for SM, it means 1 month global map (L3 P3 product)										
	perending/decrending orbits appreciation)	- x= "A" for data from ascending orbit; "D" for data from descending orbit										
	DOI - http://dx.doi.org/10.10770/h5720/d3d-e6e4-4615-b2ha-6feb7166e0e6 Global L4 RZSM product, daily global map of root zone soil moisture	SM_CLAS_MIR_CLF4Rx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Land_products	GRIDDED	L4SM		MIR_CLF4R[AD]	{year}		{day}		RE07: 2010 => 24/05/2021
	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	- CLF4RD : - C means that the data comes from CATDS	(SM)			OPER						OPER: 25/05/2021 => ongoing
	Frequency Interference (RFI), low quality of retrieval of the input surface soil moisture, and a high fraction of non-nominal surfaces.	- L for land data - F for full polarisation										
	DOI: http://dx.doi.org/10.12770/316e77af-cb72-4312-96a3-3011cc5068d4	- 4R: for SM, it means L4 Root zone soil moisture										
	Intermediate product OS/SSS L2Q - Valid Debiased Ocean Salinity values	- x= "A" for data from ascending orbit: "D" for data from descending orbit SM_CLAS_MIR_CSF2Qx_yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Ocean_products	GRIDDED	L3OS	RE07	MIR_CSF2Q[AD]	{year}		{day}		RE07 : 2010 => 24/05/2021
	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	- CSF2Qx : - C means that the data comes from CATDS	(OS)			OPER						OPER: 25/05/2021 => ongoing
	the information from AUX_MINMAX. DOI: http://dx.doi.org/10.12770/12dba510-cd71-4d4F-9fc1-9cc027d128b0	- S for sea data - F for full polarisation										
		- 2Q means Intermediate product OS L2Q - x= "A" for data from ascending orbit "D" for data from descending orbit										
	L3 OS/SSS product L3Q - Average Debiased Salinity values	SM_CLAS_MIR_CSQ3ryyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Ocean_products	GRIDDED	L3OS	RE07	MIR_CSQ3A_	{year}	{month}			RE07 : 2010 => 24/05/2021
	Average debiased (costal & latitudinal biases) 10 days & monthly salinity field based on L2Q products, at 2 spatial resolutions (25km, 50km)	- CSQ3r_: - C means that the data comes from CATDS	(OS)			OPER	MIR_CSQ3B_					OPER: 25/05/2021 => ongoing
	DOI: http://dx.doi.org/10.12770/0f02fc28-cb86-4c44-89f3-ee7df6177e7b	- S for sea data - Q3: means L3 OS debiased product in full polarisation only										
es S		-r = "A" for 25km, "B" for 50km - for mixed orbits (ascendina + descedaina)										
produ	L3 OS/SSS L3G - Debiased gaussian average daily salinity field	- tor mixed cross lascending - descending) SM_CLAS_MIR_CS3G09yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - CS3G09:	Ocean_products	GRIDDED	L3OS	RE07 OPER	MIR_CS3G09	{year}		{day}		RE07 : 2010 => 24/05/2021 OPER : 25/05/2021 => ongoing
inity	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,	- C means that the data comes from CATDS	(OS)			UMER						OFER: ZSIUS/ZUZ1 => ongoing
an Sail	mixing ascending and descending orbits. DOI: https://doi.org/10.12770/9c97fb5c-d7d5-4bc2-a5c7-57944026cd60	- S for sea data - 3G: means L3 OS in Gaussian mean										
Ocean		- 09: mean 9 days (width of the gaussian)										
	Weekly optimal interpolation salinity field product from SMOS satellite and ISAS	SM_CLAS_MIR_CSF401yyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7 - CSF401:	Ocean_products	GRIDDED	L40S	RE07 OPER	MIR_CSF401	{year}			{week}	RE07 : 2010 => 30/05/2021
	This product contains global Level 4 analyses of the of the Sea Surface Salinity	- C means that the data comes from CATDS	(OS)			UMER						OPER: 31/05/2021 => ongoing
	(SSS), Sea Surface Density (SSD) and Sea Surface Spiciness (SSSp), along with Sea Surface Absolute Salinity (SSA), Conservative Temperature (SCT), surface	- F for full polarisation										
	thermal expansion coefficient (alpha) and haline contraction coefficient (beta). The SSS product is obtained using an optimal interpolation (OI) algorithm, that	- 40: means L4 Optimal interpolation - 1 for SMOS + ISAS										
	combines ISAS in situ SSS OI analyses and Soil Moisture Ocean Salinity (SMOS)											
	satellite image to reduce large scale and temporally varying bias. The SSS L4 product outcome is then combined with satellite SST products to compute											
	thermodynamic sea water parameters using TEOS-10. DOL: https://doi.org/10.12770/620-0180.0711.4pff.066d.155.7280-b97d											
	Intermediate product OS/SSS L2Q - Valid Debiased Ocean Salinity values This product has the same format as the L2P product, with SSS corrected from	SM_OPER_NRT_CSF2Qx_yyyymmddThhmmss_YYYYYMMDDTHHMMSS_vvv_ccc_7 - CSF2Qx :	Ocean_products (OS)	GRIDDED	L3OS	OPER	NRT_CSF2Q[AD]	{year}		{day}		
ts ducts)	coastal bias and latitudinal bias. An additional field qualifies the corrected SSS with the information from AUX_MINMAX.	- C means that the data comes from CATDS - S for sea data										
odno	DOI: http://dx.doi.org/10.12770/12dba510-cd71-4d4f-9fc1-9cd027d128b0	- F for full polarisation										
rnativ		- 2Q means Intermediate product OS L2Q -x= 'A' for data from ascending orbit: 'D' for data from descending orbit										
= =	L3 OS/SSS product L3Q - Average Debiased Salinity values Average debiased (costal & latitudinal biases) 10 days salinity field based on L2Q	SM_OPER_NRT_CSQ3ryyyymmddThhmmss_YYYYMMDDTHHMMSS_vvv_ccc_7	Ocean_products (OS)	GRIDDED	L3OS	OPER	NRT_CSQ3A_ NRT_CSQ3B_	{year}	{month}			
y a		L O	1	1	1	i l		1	1	1	1	i e
Ocean Salinity y delay alterna	products, at 2 spatial resolutions (25km, 50km) DOI: http://dx.doi.org/10.12770/0f02fc28-cb86-4c44-89f3-ee7df6177e7b	- C means that the data comes from CATDS										
Ocean Sa (1-day delay al	products, at 2 spatial resolutions (25km, 50km) DOI: http://dx.doi.org/10.12770/0f02fc28-cb86-4c44-89f3-ee7df6177e7b	- C. means that the data comes from U.A. IU.S S for sea data comes from U.A. IU.S S for sea data comes from U.A. IU.S S for sea data comes from U.A. IU.S T a for S for										