

Naming convention of CM SAF products

The naming convention of the CM SAF products is described below. It will allow users an easier identification of the product's data sources. The most important identifiers are of course the three-character coding of the product type and the information on the averaging. If the same type of product is generated from different sensors (e.g., SEVIRI and AVHRR), the only way of distinguishing these products by their name is the five-digit code of the data source if all other characteristics are identical. The naming convention is valid for both, the operational off-line products as well as the climate data records.

Structure of filename:

PRO**t****s****yyyymmddhhmm****Ver****Gr****Sourc****Lv****Ar**

Description of filenames of CM SAF products

Character	Meaning
PRO	Three-character coding of product type, e.g., CFC for fractional cloud cover
t	Time interval of product: d=daily, h=hourly, i=instantaneous, m=monthly, p=pentad, w=weekly
s	Statistics: c=6-hourly composites, d=mean diurnal cycle, h=histogram, m=mean, n=none, s=sum
yyyymmddhhmm	Date and time (lower boundary of the covered temporal interval)
Ver	Version number or release number
Gr	Grid
Sourc	Data source (for detailed description see tables below)
Lv	Processing level (e.g. first processing, extension of data record, etc.)
Ar	Area

For further information on the different version numbers (Ver) please refer to the “Change Log” section on the CM SAF webpage (www.cmsaf.eu → Data Access → Change Log)

Description of CM SAF product data sources

For most of our products the data source combines the product type and the sensor and/or satellite information. As this resulted in lists of identifiers becoming very long, the approach has been slightly changed for new data records released since 2015. The doubling of information on the product type in the file name has been omitted and the data source only includes information on the used sensor and satellite. The naming convention for all operational or products released before 2015 does not change!

The table below shows the data source of the products (including the sensor and satellite):

Data source	Sourc
AVHRR on METOP-A	AVMEA
AVHRR on METOP-B	AVMEB
AVHRR on METOP-C	AVMEC
AVHRR on NOAA-06	AVN06
AVHRR on NOAA-07	AVN07
AVHRR on NOAA-08	AVN08
AVHRR on NOAA-09	AVN09
AVHRR on NOAA-10	AVN10

Data source	Sourc
AVHRR on NOAA-11	AVN11
AVHRR on NOAA-12	AVN12
AVHRR on NOAA-14	AVN14
AVHRR on NOAA-15	AVN15
AVHRR on NOAA-16	AVN16
AVHRR on NOAA-17	AVN17
AVHRR on NOAA-18	AVN18
AVHRR on NOAA-19	AVN19
AVHRR on polar orbiting satellites	AVPOS
AVHRR on TIROS-N	AVTIN
MVIRI/SEVIRI on Meteosat	10001
Infrared and Microwave Instruments on Polar and Geostationary Satellites	IMPGS
MVIRI on Meteosat First Generation	MVMFG
SEVIRI on MSG	SVMSG
SMMR on Nimbus-7	SRN07
SSM/I on DMSP-F08	SIF08
SSM/I on DMSP-F10	SIF10
SSM/I on DMSP-F11	SIF11
SSM/I on DMSP-F13	SIF13
SSM/I on DMSP-F14	SIF14
SSM/I on DMSP-F15	SIF15
SSMIS on DMSP-F16	SSF16
SSMIS on DMSP-F17	SSF17
SSMIS on DMSP-F18	SSF18
SSM/I and SSMIS on polar orbiting satellites	SCPOS
AMSU-B on NOAA-15	ABN15
AMSU-B on NOAA-16	ABN16
AMSU-B on NOAA-17	ABN17
MHS on NOAA-18	MHN18
MHS on Metop-A	MHMEA
MHS on Metop-B	MHMEB
Microwave Sounder on Polar Orbiting Satellites	MSPOS

The tables below give an overview of all CM SAF product types given by their three-character definition and their data sources (Sourc).

Cloud products:

Product type	Data source	Sourc
CFC	AVHRR/ polar orb. Sat. data	00101
	AVHRR/from NOAA 07	00357
	AVHRR/from NOAA 09	00358
	AVHRR/from NOAA 11	00359
	AVHRR/from NOAA 12	00360
	AVHRR/from NOAA 14	00362
	AVHRR/from NOAA 15	00123
	AVHRR/from NOAA 16	00124
	AVHRR/from NOAA 17	00125
	AVHRR/from NOAA 18	00191
	AVHRR/from NOAA 19	00288
	AVHRR/from Metop 02	00268
	Seviri/MSG1 data	00160
Seviri/MSG2 data	00232	
Seviri/MSG3 data	00463	
COT	AVHRR/ polar orb. Sat. data	00105
	AVHRR/from NOAA 07	00388
	AVHRR/from NOAA 09	00389
	AVHRR/from NOAA 11	00390
	AVHRR/from NOAA 12	00391
	AVHRR/from NOAA 14	00393
	AVHRR/from NOAA 15	00394
	AVHRR/from NOAA 16	00395
	AVHRR/from NOAA 17	00283
	AVHRR/from NOAA 18	00284
	AVHRR/from NOAA 19	00301
	AVHRR/from Metop 02	00282
	Seviri/MSG1 data	00161
Seviri/MSG2 data	00233	
CPH	AVHRR/ polar orb. Sat. data	00106
	AVHRR/from NOAA 07	00370
	AVHRR/from NOAA 09	00371
	AVHRR/from NOAA 11	00372
	AVHRR/from NOAA 12	00373
	AVHRR/from NOAA 14	00375
	AVHRR/from NOAA 15	00376
	AVHRR/from NOAA 16	00377
	AVHRR/from NOAA 17	00378
	AVHRR/from NOAA 18	00379
	AVHRR/from NOAA 19	00380
	AVHRR/from Metop 02	00381
	Seviri/MSG1 data	00228
Seviri/MSG2 data	00258	
CPP	Seviri/MSG2 data	00182
	Seviri/MSG3 data	00255
CTH	AVHRR/ polar orb. Sat. data	00104
	Seviri/MSG1 data	00166
	Seviri/MSG2 data	00237
	Seviri/MSG3 data	00464

Product type	Data source	Sourc
CTO	AVHRR/ polar orb. Sat. data AVHRR/from NOAA 07 AVHRR/from NOAA 09 AVHRR/from NOAA 11 AVHRR/from NOAA 12 AVHRR/from NOAA 14 AVHRR/from NOAA 15 AVHRR/from NOAA 16 AVHRR/from NOAA 17 AVHRR/from NOAA 18 AVHRR/from NOAA 19 AVHRR/from Metop 02 Seviri/MSG1 data Seviri/MSG2 data	00447 00435 00436 00437 00438 00440 00441 00442 00443 00444 00445 00446 00449 00450
CTT	AVHRR/ polar orb. Sat. data Seviri/MSG1 data Seviri/MSG2 data Seviri/MSG3 data	00103 00168 00239 00466
CTP	AVHRR/ polar orb. Sat. data Seviri/MSG1 data Seviri/MSG2 data Seviri/MSG3 data	00122 00167 00238 00465
CTX	Seviri/MSG1 data Seviri/MSG2 data	00163 00234
CTY	AVHRR/ polar orb. Sat. data Seviri/MSG1 data Seviri/MSG2 data	00102 00164 00235
CWP	AVHRR/ polar orb. Sat. data Seviri/MSG1 data Seviri/MSG2 data	00107 00165 00236
IWP	AVHRR/ polar orb. Sat. data AVHRR/from NOAA 07 AVHRR/from NOAA 09 AVHRR/from NOAA 11 AVHRR/from NOAA 12 AVHRR/from NOAA 14 AVHRR/from NOAA 15 AVHRR/from NOAA 16 AVHRR/from NOAA 17 AVHRR/from NOAA 18 AVHRR/from NOAA 19 AVHRR/from Metop 02 Seviri/MSG1 data Seviri/MSG2 data	00421 00409 00410 00411 00412 00414 00415 00416 00417 00418 00419 00420 00453 00454
JCH	AVHRR/ polar orb. Sat. data AVHRR/from NOAA 07 AVHRR/from NOAA 09 AVHRR/from NOAA 11 AVHRR/from NOAA 12 AVHRR/from NOAA 14 AVHRR/from NOAA 15 AVHRR/from NOAA 16 AVHRR/from NOAA 17 AVHRR/from NOAA 18 AVHRR/from NOAA 19 AVHRR/from Metop 02 Seviri/MSG1 data Seviri/MSG2 data	00434 00422 00423 00424 00425 00427 00428 00429 00430 00431 00432 00433 00451 00452

Product type	Data source	Sourc
LWP	AVHRR/ polar orb. Sat. data	00408
	AVHRR/from NOAA 07	00396
	AVHRR/from NOAA 09	00397
	AVHRR/from NOAA 11	00398
	AVHRR/from NOAA 12	00399
	AVHRR/from NOAA 14	00401
	AVHRR/from NOAA 15	00402
	AVHRR/from NOAA 16	00403
	AVHRR/from NOAA 17	00404
	AVHRR/from NOAA 18	00405
	AVHRR/from NOAA 19	00406
	AVHRR/from Metop 02	00407
Seviri/MSG1 data	00188	
Seviri/MSG2 data	00252	

Radiation Products:

Product type	Data source	Sourc
CAL	MVIRI/METEOSAT 2	00319
	MVIRI/METEOSAT 3	00320
	MVIRI/METEOSAT 4	00321
	MVIRI/METEOSAT 5	00322
	MVIRI/METEOSAT 6	00323
	MVIRI/METEOSAT 7	00324
CFL	AVHRR/ polar orb. Sat. data	00354
	Seviri/MSG1 data with STA/Gerb	00514
	Seviri/MSG2 data with STA/Gerb	00515
CFS	AVHRR/ polar orb. Sat. data	00355
	Seviri/MSG1 data with STA/Gerb	00512
	Seviri/MSG2 data with STA/Gerb	00513
DAL	Seviri/MSG1 data with STA/Gerb	00501
	Seviri/MSG2 data with STA/Gerb	00502
	MVIRI/METEOSAT 2	00495
	MVIRI/METEOSAT 3	00496
	MVIRI/METEOSAT 4	00497
	MVIRI/METEOSAT 5	00498
	MVIRI/METEOSAT 6	00499
MVIRI/METEOSAT 7	00500	
SAL	AVHRR/ polar orb. sat. data	00109
	Seviri/MSG1 data	00176
	Seviri/MSG2 data	00242
	Merged	00217
SDL	AVHRR/ polar orb. sat. data	00112
	Seviri/MSG1 data	00178
	Seviri/MSG2 data	00244
	Merged	00219
SID	Seviri/MSG2 data	00224
	Seviri/MSG3 data	00469
	Seviri/MSG1 data with STA/Gerb	00516
	Seviri/MSG2 data with STA/Gerb	00517
	MVIRI/METEOSAT 2	00312
	MVIRI/METEOSAT 3	00313
	MVIRI/METEOSAT 4	00314
	MVIRI/METEOSAT 5	00315
MVIRI/METEOSAT 6	00316	
MVIRI/METEOSAT 7	00317	

Product type	Data source	Sourc
SIS	AVHRR/ polar orb. Sat. data Seviri/MSG1 data Seviri/MSG2 data Seviri/MSG3 data Seviri/MSG1 data with STA/Gerb Seviri/MSG2 data with STA/Gerb Merged MVIRI/METEOSAT 2 MVIRI/METEOSAT 3 MVIRI/METEOSAT 4 MVIRI/METEOSAT 5 MVIRI/METEOSAT 6 MVIRI/METEOSAT 7	00108 00179 00245 00470 00190 00256 00216 00305 00306 00307 00308 00309 00310
SNL	AVHRR/ polar orb. sat. data Seviri/MSG1 data Seviri/MSG2 data Merged	00113 00185 00249 00265
SNS	AVHRR/ polar orb. sat. data Seviri/MSG1 data Seviri/MSG2 data Merged MVIRI/METEOSAT 2 MVIRI/METEOSAT 3 MVIRI/METEOSAT 4 MVIRI/METEOSAT 5 MVIRI/METEOSAT 6 MVIRI/METEOSAT 7	00110 00184 00248 00266 00488 00489 00490 00491 00492 00493
SOL	AVHRR/ polar orb. sat. data Seviri/MSG1 data Seviri/MSG2 data Merged	00111 00180 00246 00218
SRB	AVHRR/ polar orb. sat. data Seviri/MSG1 data Seviri/MSG2 data Merged	00114 00186 00250 00220
SRI	Seviri/MSG1 data with STA/Gerb Seviri/MSG2 data with STA/Gerb MVIRI/METEOSAT 2 MVIRI/METEOSAT 3 MVIRI/METEOSAT 4 MVIRI/METEOSAT 5 MVIRI/METEOSAT 6 MVIRI/METEOSAT 7	00510 00511 00504 00505 00506 00507 00508 00509
TET	Gerb and Seviri/MSG1 and CERES Aqua/Terra Gerb and Seviri/MSG2 and CERES Aqua/Terra Gerb and Seviri/MSG3 and CERES Aqua/Terra	00117 00254 00474
TIS	TIS from DIARAD/VIRGO	00115
TRS	Gerb and Seviri/MSG1 and CERES Aqua/Terra Gerb and Seviri/MSG2 and CERES Aqua/Terra Gerb and Seviri/MSG3 and CERES Aqua/Terra	00116 00260 00475

Water Vapour and Temperature Products:

Product type	Data source	Sourc
FTH	METEOSAT-5 like	00448
HTW	ATOVS/ polar orb. sat. data SSM/I/ polar orb. sat. data	00173 00267

Product type	Data source	Sourc
HLW	ATOVS/ polar orb. sat. data	00171
HSH	ATOVS/ polar orb. sat. data	00172

Miscellaneous Products

Product type	Data source	Sourc
BTR	SSM// polar orb. sat. data F08 SSM// polar orb. sat. data F10 SSM// polar orb. sat. data F11 SSM// polar orb. sat. data F13 SSM// polar orb. sat. data F14 SSM// polar orb. sat. data F15	00F08 00F10 00F11 00F13 00F14 00F15
EMP	SSM// polar orb. sat. data	00344
EVA	SSM// polar orb. sat. data	00343
HTW	SSM// polar orb. sat. data	00345
LHF	SSM// polar orb. sat. data	00341
NSH	SSM// polar orb. sat. data	00340
PRE	SSM// polar orb. sat. data	00342
SWS	SSM// polar orb. sat. data	00339
LTC*	HOAPS, SSM// polar orb. sat. data	00352
LWP*	HOAPS, SSM// polar orb. sat. data	00347
SHD*	HOAPS, SSM// polar orb. sat. data	00351
SHF*	HOAPS, SSM// polar orb. sat. data	00353
SNL*	HOAPS, SSM// polar orb. sat. data	00350
SSH*	HOAPS, SSM// polar orb. sat. data	00349
SST*	HOAPS, SSM// polar orb. sat. data	00348
TWP*	HOAPS, SSM// polar orb. sat. data	00346

* These products are available under the HOAPS data policy (see https://doi.org/10.5676/EUM_SAF_CM/HOAPS/V002)

Description of Area (Ar) codes:

Area	Ar
Arctic	IA
CM SAF baseline area plus MSG disk and Arctic	CD
CM SAF baseline area (30N-80N, 60W-60E)	CA
Global	GL
METEOSAT disk (45S-45N, 45 W-45E)	MF
METEOSAT disk (70S-70N, 70 W-70E)	MH
MSG disk (CM SAF definition)	MD
MSG full disk includes Europe, Africa, Atlantic Ocean	MA
Northern Polar Region (85N-90N, 180W-180E)	NP
Southern Polar Region (85S-90S, 180W-180E)	SP

Description of Grid (Gr) codes:

Grid	Gr
Cylindrical equal area projection (90x90km ²)	11
Lambert azimuthal equal area projection (15x15 km ²)	15
Lambert azimuthal equal-area projection (25x25 km ²)	21
Latitude/longitude grid (0.03 x 0.03 degree)	17
Latitude/longitude grid (0.05 x 0.05 degree)	23
Latitude/longitude grid (0.1 x 0.1 degree)	26
Latitude/longitude grid (0.25x0.25 degree)	19
Latitude/longitude grid (0.5x0.5 degree)	13
Latitude/longitude grid (0.625x0.625 degree)	22
Latitude/longitude grid (1.0x1.0 degree)	20
Satellite projection MSG/Seviri	05
Satellite projection SMMR	25
Satellite projection SSM/I	10
Satellite projection SSMIS	24
Sinusoidal projection (15x15km ²)	07
Sinusoidal projection (45x45 km ² , 100x100km ² in polar regions)	02

Description of Processing Level (Lv) codes:

Processing Level	Lv
Result of first run	01
Extension 1	E1
Bug fix 1	B1

Example:

The file with the filename

SISdm200407150000300070017901MA

contains

- the daily mean SIS product
- for 15 July 2004
- from version 300
- derived from Seviri/MSG1 data
- for the MSG full disk
- in 15x15km² sinusoidal projection