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:

PROtsyyyymmddhhmmVerGrSourcLvAr

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
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

Data source	Sourc
AVHRR on NOAA-10	AVN10
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
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
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

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	00447
	AVHRR/from NOAA 07	00435
	AVHRR/from NOAA 09	00436
	AVHRR/from NOAA 11	00437
	AVHRR/from NOAA 12	00438
	AVHRR/from NOAA 14	00440
	AVHRR/from NOAA 15	00441
	AVHRR/from NOAA 16	00442
	AVHRR/from NOAA 17	00443
	AVHRR/from NOAA 18	00444
	AVHRR/from NOAA 19	00445
	AVHRR/from Metop 02	00446
	Seviri/MSG1 data	00449
	Seviri/MSG2 data	00450
CTT	AVHRR/ polar orb. Sat. data	00103
	Seviri/MSG1 data	00168
	Seviri/MSG2 data	00239
	Seviri/MSG3 data	00466
CTP	AVHRR/ polar orb. Sat. data	00122
	Seviri/MSG1 data	00167
	Seviri/MSG2 data	00238
	Seviri/MSG3 data	00465
CTX	Seviri/MSG1 data	00163
	Seviri/MSG2 data	00234
CTY	AVHRR/ polar orb. Sat. data	00102
	Seviri/MSG1 data	00164
	Seviri/MSG2 data	00235
CWP	AVHRR/ polar orb. Sat. data	00107
	Seviri/MSG1 data	00165
	Seviri/MSG2 data	00236
IWP	AVHRR/ polar orb. Sat. data	00421
	AVHRR/from NOAA 07	00409
	AVHRR/from NOAA 09	00410
	AVHRR/from NOAA 11	00411
	AVHRR/from NOAA 12	00412
	AVHRR/from NOAA 14	00414
	AVHRR/from NOAA 15	00415
	AVHRR/from NOAA 16	00416
	AVHRR/from NOAA 17	00417
	AVHRR/from NOAA 18	00418
	AVHRR/from NOAA 19	00419
	AVHRR/from Metop 02	00420
	Seviri/MSG1 data	00453
	Seviri/MSG2 data	00454

Product type	Data source	Sourc
JCH	AVHRR/ polar orb. Sat. data	00434
	AVHRR/from NOAA 07	00422
	AVHRR/from NOAA 09	00423
	AVHRR/from NOAA 11	00424
	AVHRR/from NOAA 12	00425
	AVHRR/from NOAA 14	00427
	AVHRR/from NOAA 15	00428
	AVHRR/from NOAA 16	00429
	AVHRR/from NOAA 17	00430
	AVHRR/from NOAA 18	00431
	AVHRR/from NOAA 19	00432
	AVHRR/from Metop 02	00433
	Seviri/MSG1 data	00451
	Seviri/MSG2 data	00452
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

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

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

Miscellaneous Products

Product type	Data source	Sourc
BTR	SSM/I polar orb. sat. data F08 SSM/I polar orb. sat. data F10 SSM/I polar orb. sat. data F11 SSM/I polar orb. sat. data F13 SSM/I polar orb. sat. data F14 SSM/I polar orb. sat. data F15	00F08 00F10 00F11 00F13 00F14 00F15
EMP	SSM/I/ polar orb. sat. data	00344
EVA	SSM/I/ polar orb. sat. data	00343
HTW	SSM/I/ polar orb. sat. data	00345
LHF	SSM/I/ polar orb. sat. data	00341
NSH	SSM/I/ polar orb. sat. data	00340
PRE	SSM/I/ polar orb. sat. data	00342
SWS	SSM/I/ polar orb. sat. data	00339
LTC*	HOAPS, SSM/I/ polar orb. sat. data	00352
LWP*	HOAPS, SSM/I/ polar orb. sat. data	00347
SHD*	HOAPS, SSM/I/ polar orb. sat. data	00351
SHF*	HOAPS, SSM/I/ polar orb. sat. data	00353
SNL*	HOAPS, SSM/I/ polar orb. sat. data	00350
SSH*	HOAPS, SSM/I/ polar orb. sat. data	00349
SST*	HOAPS, SSM/I/ polar orb. sat. data	00348
TWP*	HOAPS, SSM/I/ 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 (90x90km²)	**11**
Lambert azimuthal equal area projection (15x15 km²)	**15**
Lambert azimuthal equal-area projection (25x25 km2)	**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)	**20**
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 km², 100x100km² 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 15x15km^2 sinusoidal projection