

## 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
<b>PRO</b>	Three-character coding of product type, e.g., CFC for fractional cloud cover
<b>t</b>	Time interval of product: d=daily, h=hourly, i=instantaneous, m=monthly, p=pentad, w=weekly
<b>s</b>	Statistics: c=6-hourly composites, d=mean diurnal cycle, h=histogram, m=mean, n=none, s=sum
<b>yyyymmddhhmm</b>	Date and time (lower boundary of the covered temporal interval)
<b>Ver</b>	Version number or release number
<b>Gr</b>	Grid
<b>Sourc</b>	Data source (for detailed description see tables below)
<b>Lv</b>	Processing level (e.g. first processing, extension of data record, etc.)
<b>Ar</b>	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](http://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	<b>AVMEA</b>
AVHRR on METOP-B	<b>AVMEB</b>
AVHRR on METOP-C	<b>AVMEC</b>
AVHRR on NOAA-06	<b>AVN06</b>
AVHRR on NOAA-07	<b>AVN07</b>
AVHRR on NOAA-08	<b>AVN08</b>
AVHRR on NOAA-09	<b>AVN09</b>
AVHRR on NOAA-10	<b>AVN10</b>

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

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:*

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

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

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

*Radiation Products:*

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

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

*Water Vapour and Temperature Products:*

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

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

*Miscellaneous Products*

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

\* These products are available under the HOAPS data policy (see [https://doi.org/10.5676/EUM\\_SAF\\_CM/HOAPS/V002](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 <sup>2</sup> )	11
Lambert azimuthal equal area projection (15x15 km <sup>2</sup> )	15
Lambert azimuthal equal-area projection (25x25 km <sup>2</sup> )	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 <sup>2</sup> )	07
Sinusoidal projection (45x45 km <sup>2</sup> , 100x100km <sup>2</sup> 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<sup>2</sup> sinusoidal projection