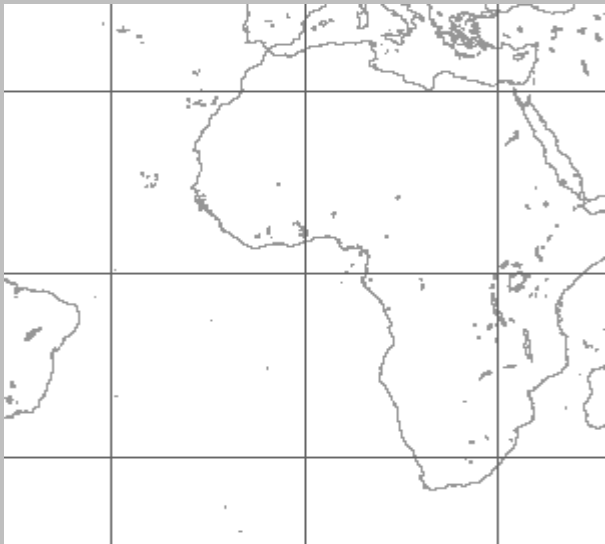
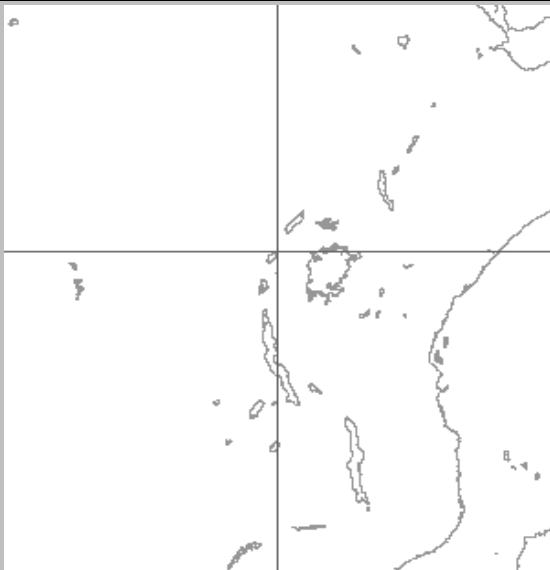


# MSG imagery product areas



<b>Area code</b>	AF
<b>Area description</b>	Africa (extends into the Atlantic)
<b>Satellite</b>	MSG
<b>Projection</b>	Mercator
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'merc', 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0, 'units': 'm'
<b>Dimensions (x/y)</b>	768 / 768
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-46.3620 E, 42.0000 N
<b>Bottom right</b>	46.3620 E, -42.0000 N
<b>Top right</b>	46.3620 E, 42.0000 N
<b>Bottom left</b>	-46.3620 E, -42.0000 N



<b>Area code</b>	AM
<b>Area description</b>	Great Rift Valley
<b>Satellite</b>	MSG
<b>Projection</b>	Mercator
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'merc', 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0, 'units': 'm'
<b>Dimensions (x/y)</b>	960 / 1100
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	14.0000 E, 14.0000 N
<b>Bottom right</b>	46.0000 E, -18.0000 N
<b>Top right</b>	46.0000 E, 14.0000 N
<b>Bottom left</b>	14.0000 E, -18.0000 N



<b>Area code</b>	AO
<b>Area description</b>	West Africa
<b>Satellite</b>	MSG
<b>Projection</b>	Mercator
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'merc', 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0, 'units': 'm'
<b>Dimensions (x/y)</b>	1999 / 1460
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-38.0000 E, 38.0000 N
<b>Bottom right</b>	24.0000 E, -10.0000 N
<b>Top right</b>	24.0000 E, 38.0000 N
<b>Bottom left</b>	-38.0000 E, -10.0000 N



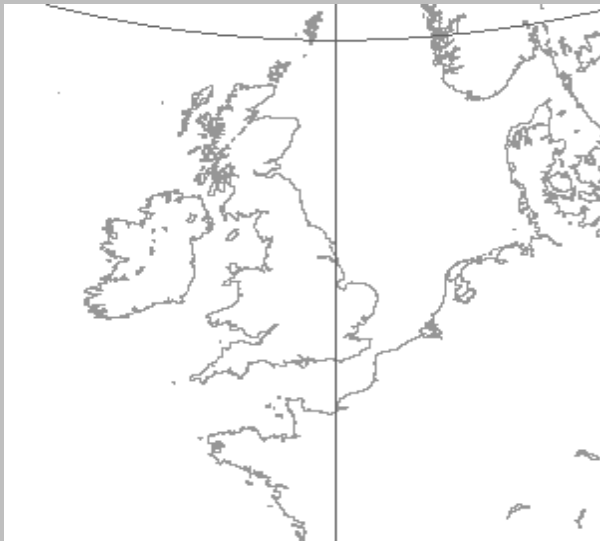
<b>Area code</b>	AT
<b>Area description</b>	Antilles
<b>Satellite</b>	MSG
<b>Projection</b>	Mercator
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'merc', 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0, 'units': 'm'
<b>Dimensions (x/y)</b>	600 / 520
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-68.0000 E, 22.0000 N
<b>Bottom right</b>	-56.0000 E, 10.0000 N
<b>Top right</b>	-56.0000 E, 22.0000 N
<b>Bottom left</b>	-68.0000 E, 10.0000 N



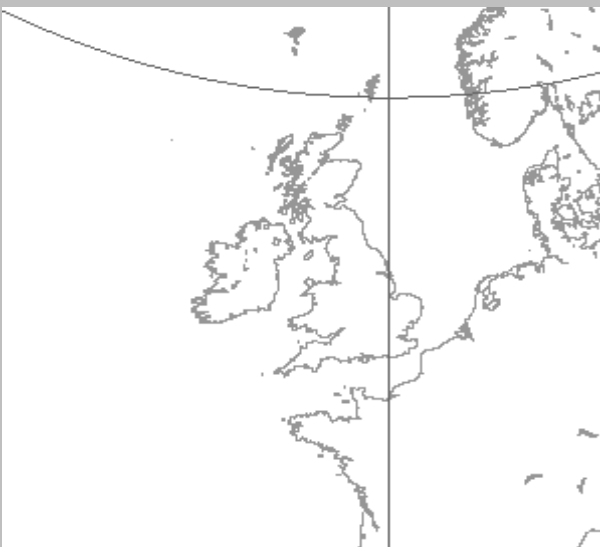
<b>Area code</b>	DA
<b>Area description</b>	Full disc (0.0E)
<b>Satellite</b>	MSG
<b>Projection</b>	Geostationary
<b>PROJ parameters</b>	'a': 6378169.0, 'b': 6356583.8, 'proj': 'geos', 'lon_0': 0, 'lat_0': 0.0, 'h': 35785831, 'x_0': 0, 'y_0': 0, 'units': 'm', 'sweep': 'y'
<b>Dimensions (x/y)</b>	3712 / 3712, 928 / 928
<b>Reference point</b>	0 E, 0 N



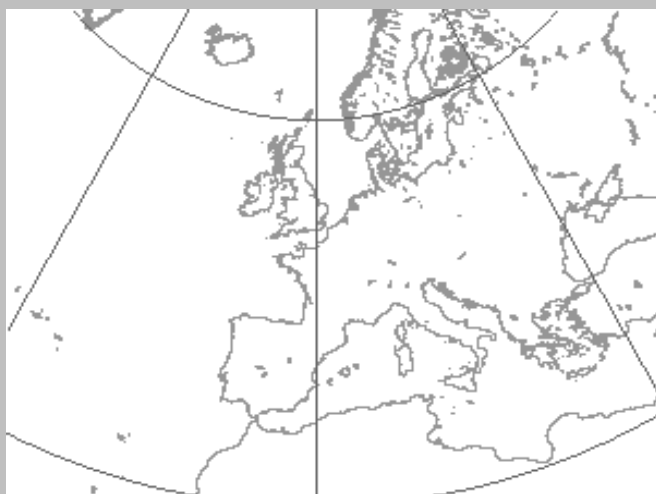
<b>Area code</b>	DF
<b>Area description</b>	Full disc (41.5E*)
<b>Satellite</b>	IODC
<b>Projection</b>	Geostationary
<b>PROJ parameters</b>	a': 6378169.0, 'b': 6356583.8, 'proj': 'geos', 'lon_0': 41.5, 'lat_0': 0.0, 'h': 35785831, 'x_0': 0, 'y_0': 0, 'units': 'm', 'sweep': 'y'
<b>Dimensions (x/y)</b>	3712 / 3712
<b>Reference point</b>	0 E, 0 N
*This will change to 45.5 E from July 2022	



<b>Area code</b>	EA
<b>Area description</b>	UK and surrounding area
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	600 / 600
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-17.6440 E, 59.6830 N
<b>Bottom right</b>	9.2310 E, 45.2500 N
<b>Top right</b>	14.3478 E, 60.1567 N
<b>Bottom left</b>	-11.4251 E, 44.9678 N



<b>Area code</b>	EB
<b>Area description</b>	UK and surrounding area
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	1950 / 1950, 640 / 640
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-27.2500 E, 60.1000 N
<b>Bottom right</b>	9.1500 E, 43.7500 N
<b>Top right</b>	15.9648 E, 62.2618 N
<b>Bottom left</b>	-16.1709 E, 42.5984 N



<b>Area code</b>	EH
<b>Area description</b>	Europe and East Atlantic
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	1440 / 1053, 720 / 576
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-54.5970 E, 55.5590 N
<b>Bottom right</b>	26.2610 E, 25.1250 N
<b>Top right</b>	57.4401 E, 53.0986 N
<b>Bottom left</b>	-23.9059 E, 26.1191 N



<b>Area code</b>	EJ
<b>Area description</b>	Middle East
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 50.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	640 / 768
<b>Reference point</b>	50 E, 0 N
<b>Top left</b>	8.6110 E, 42.1150 N
<b>Bottom right</b>	62.8930 E, 1.7800 N
<b>Top right</b>	82.9964 E, 46.6750 N
<b>Bottom left</b>	32.7413 E, 0.6037 N



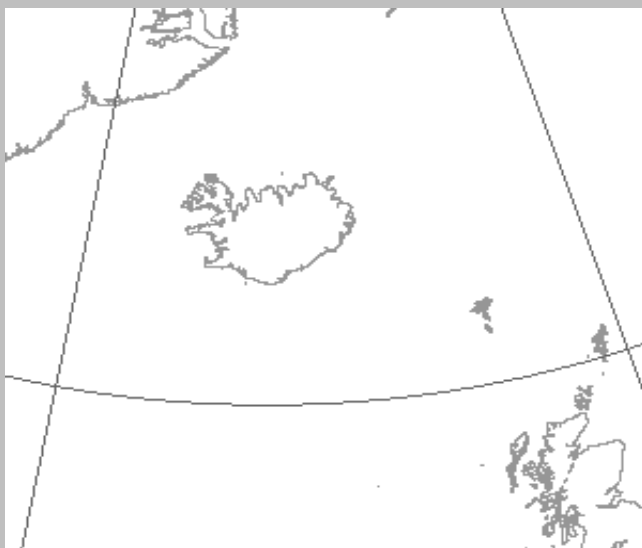
<b>Area code</b>	EN
<b>Area description</b>	Northern Europe
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': -20.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	1000 / 800
<b>Reference point</b>	-20 E, 0 N
<b>Top left</b>	-45.0000 E, 75.0000 N
<b>Bottom right</b>	10.0000 E, 50.0000 N
<b>Top right</b>	36.7493 E, 65.4462 N
<b>Bottom left</b>	-30.0104 E, 54.5023 N



<b>Area code</b>	EU
<b>Area description</b>	Europe and north Atlantic
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': -35.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	1280 / 800
<b>Reference point</b>	-35 E, 0 N
<b>Top left</b>	-101.7220 E, 67.9610 N
<b>Bottom right</b>	10.5970 E, 16.5860 N
<b>Top right</b>	46.7789 E, 33.4226 N
<b>Bottom left</b>	-53.9268 E, 32.2473 N



<b>Area code</b>	EW
<b>Area description</b>	Western Europe
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	1180 / 1180
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-44.7900 E, 61.4340 N
<b>Bottom right</b>	17.1940 E, 32.7540 N
<b>Top right</b>	41.7618 E, 62.7685 N
<b>Bottom left</b>	-18.9843 E, 32.2608 N



<b>Area code</b>	IL
<b>Area description</b>	Iceland
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': -19.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	640 / 600
<b>Reference point</b>	-19 E, 0 N
<b>Top left</b>	-40.0000 E, 70.0000 N
<b>Bottom right</b>	-2.3000 E, 54.6500 N
<b>Top right</b>	10.0858 E, 68.6644 N
<b>Bottom left</b>	-30.6968 E, 55.3763 N



<b>Area code</b>	MM
<b>Area description</b>	Mediterranean
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 20.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	1060 / 560
<b>Reference point</b>	20 E, 0 N
<b>Top left</b>	-2.0000 E, 43.5000 N
<b>Bottom right</b>	34.5000 E, 28.6000 N
<b>Top right</b>	40.4657 E, 43.9309 N
<b>Bottom left</b>	4.3589 E, 28.3299 N



<b>Area code</b>	MM (pre-2008)
<b>Area description</b>	Mediterranean - old domain
<b>Satellite</b>	MSG
<b>Projection</b>	Stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 15, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	825 / 600
<b>Reference point</b>	15 E, 0 N
<b>Top left</b>	0.0000 E, 45.0000 N
<b>Bottom right</b>	26.0000 E, 30.0000 N
<b>Top right</b>	30.3944 E, 44.9242 N
<b>Bottom left</b>	4.2884 E, 30.0479 N



<b>Area code</b>	UK
<b>Area description</b>	UK
<b>Satellite</b>	MSG
<b>Projection</b>	Polar stereographic
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'stere', 'lat_0': 90.0, 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0
<b>Dimensions (x/y)</b>	820 / 945
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-13.2500 E, 59.0000 N
<b>Bottom right</b>	2.0000 E, 50.0000 N
<b>Top right</b>	2.6941 E, 59.7551 N
<b>Bottom left</b>	-9.9120 E, 49.4656 N



<b>Area code</b>	XT
<b>Area description</b>	MSG area
<b>Satellite</b>	MSG
<b>Projection</b>	Mercator
<b>PROJ parameters</b>	'ellps': 'sphere', 'a': 6378137, 'proj': 'merc', 'lon_0': 0.0, 'x_0': 0.0, 'y_0': 0.0, 'units': 'm'
<b>Dimensions (x/y)</b>	1900 / 1520
<b>Reference point</b>	0 E, 0 N
<b>Top left</b>	-75.0000 E, 59.7710 N
<b>Bottom right</b>	75.0000 E, -59.7710 N
<b>Top right</b>	75.0000 E, 59.7710 N
<b>Bottom left</b>	-75.0000 E, -59.7710 N