

Table 2.35 Flag coding sequence

Bit num.	Symbol & Description	Type	Relevant to Surface Type		
			Water	Land	Cloud
23	LAND: Land product available	class	1	1	1
22	CLOUD: Cloud product available	class	1	1	1
21	WATER: Water product available	class	1	1	1
20	PCD_1_13: Confidence flag for MDS 1 to 13	confidence	1	1	1
19	PCD_14: Confidence flag for MDS 14	confidence	1	1	1
18	PCD_15: Confidence flag for MDS 15	confidence	1	1	1
17	PCD_16: Confidence flag for MDS 16	confidence	1	0	0
16	PCD_17: Confidence flag for MDS 17	confidence	1	1	0
15	PCD_18: Confidence flag for MDS 18	confidence	1	1	1
14	PCD_19: Confidence flag for MDS 19	confidence	1	1	1
13	COASTLINE: Coastline flag	science	1	1	1
12	COSMETIC: Cosmetic flag (from level-1b)	science	1	1	1
11	SUSPECT: Suspect flag (from level-1b)	science	1	1	1
10	ABSOA_CONT: Continental absorbing aerosol	science	1	0	0
9	ABSOA_DUST: Dust-like absorbing aerosol	science	1	0	0
8	CASE2_S: Turbid water	science	1	0	0
7	CASE2_ANOM: Anomalous scattering water	science	1	0	0
6	CASE2_Y: Yellow substance loaded water	science	1	0	0
5	ICE_HAZE: Ice or high aerosol load pixel	science	1	0	0
4	MEDIUM_GLINT: Corrected for glint	science	1	0	0
3	DDV: Dense dark vegetation	science	0	1	0
2	HIGH_GLINT: High (uncorrected) glint	science	1	1	1
1	P_CONFIDENCE: The two pressure estimates do not compare successfully	science	1	1	1
0	LOW_PRESSURE: Computed pressure lower than ECMWF one	science	1	1	1

Note 1: LAND, CLOUD and WATER flags are mutually exclusive.

Note 2: The type of the above flags correspond to the following cases:

- Class flags - to support the decoding of the other MDSes by providing the surface type information.
- Science flags - to provide additional scientific information, relevant to product interpretation.
- Confidence flags - to provide confidence information for each product.

For more information see the detailed [format specification 6.6.124](#), for this data set.

2.8 MERIS-Specific Topics