

CODE TABLES AND FLAG TABLES ASSOCIATED WITH BUFR/CREX TABLE B

0 02 139

SIRAL instrument configuration

<i>Code figure</i>	<i>Meaning</i>	<i>Status</i>
0	SIRAL nominal	Validation
1	SIRAL redundant	Validation
2	Missing value	Validation

0 08 010

Surface qualifier (for temperature data)

<i>Code figure</i>	<i>Meaning</i>	<i>Status</i>
12-30	Reserved	Operational
12	Concrete	Validation
13-30	Reserved	Validation

0 08 041

Data significance

<i>Code figure</i>	<i>Meaning</i>	<i>Status</i>
13-30	Reserved	Operational
13	Instrument manufacture date	Validation
14-30	Reserved	Validation

0 08 080

Qualifier for GTSP quality flag

<i>Code figure</i>	<i>Meaning</i>	<i>Status</i>
4-9	Reserved	Operational
4	Total water depth	Validation
5-9	Reserved	Validation
13-19	Reserved	Operational
13	Water depth at a level	Validation
14-19	Reserved	Validation

0 20 137
Evolution of clouds

Code figure		Status
0	No change	Validation
1	Cumulification	Validation
2	Slow elevation	Validation
3	Rapid elevation	Validation
4	Elevation and stratification	Validation
5	Slow lowering	Validation
6	Rapid lowering	Validation
7	Stratification	Validation
8	Stratification and lowering	Validation
9	Rapid change	Validation
10-14	Reserved	Validation
15	Missing value	Validation

0 22 178
XBT/XCTD launcher type

Code figure		Status
0	Unknown	Validation
1	LM-2A Deck-mounted	Validation
2	LM-3A Hand-Held	Validation
3	LM-4A Thru-Hull	Validation
4-9	Reserved	Validation
10	AL-12 TSK Autolauncher (up to 12 Probes)	Validation
11-19	Reserved	Validation
20	SIO XBT Autolauncher (up to 6 probes)	Validation
21-29	Reserved	Validation
30	AOML XBT V6 Autolauncher (up to 6 Deep Blue probes)	Validation
31	AOML XBT V8.0 Autolauncher (up to 8 Deep Blue probes)	Validation
32	AOML XBT V8.1 Autolauncher (up to 8 Deep Blue and Fast Deep probes)	Validation
33-89	Reserved	Validation
90	CSIRO Devil Autolauncher	Validation
91	TURO/CSIRO Quoll Autolauncher	Validation
92-99	Reserved	Validation
100	MFSTEP Autolauncher (Mediterranean)	Validation
101-254	Reserved	Validation
255	Missing	Validation

0 25 181
L2 processing flag

Code figure	Meaning	Status
0	OK	Validation
1	Percentage of L2B records free of processing errors is less than acceptable threshold	Validation
2	Missing value	Validation

0 25 182
L1 processing flag

Code figure	Meaning	Status
0	OK	Validation
1	Percentage of L1B records free of processing errors is less than acceptable threshold	Validation
2	Missing value	Validation

0 25 184
L2 product status

Code figure	Meaning	Status
0	OK	Validation
1	Product as a duration shorter than the input product	Validation
2	Missing value	Validation

0 33 050
Global GTSP quality flag

Code figure	Meaning	Status
9-14	Reserved	Operational
9	Good for operational use; Caution; check literature for other uses	Validation
10-14	Reserved	Validation

0 33 082
Geolocation quality flags

none

0 33 084
Pixel level quality flags

none

0 33 085**Aerosol optical thickness quality flags**

<i>Bit No.</i>		<i>Status</i>
1-5	<i>Reserved</i>	<i>Validation</i>
6	<i>Bright surface in horizontal cell (OverLand only); shallow or turbid water in horizontal cell (OverOcean only)</i>	<i>Validation</i>
7	<i>Solar zenith angle > 80 degrees = exclusion (quality of AOT/APSP degraded or AOT/APSP not retrieved due to pixels in horizontal cell with solar zenith angles greater than 80 degrees)</i>	<i>Validation</i>
8	<i>AOT in degraded range: 65 < solar zenith angle <= 80 degrees (quality of AOT/APSP degraded due to pixels in horizontal cell with solar zenith angles greater than 65 but less than or equal to 80 degrees)</i>	<i>Validation</i>
9	<i>Fire present in horizontal cell (quality of AOT/APSP degraded or AOT/APSP not retrieved due to fire in horizontal cell)</i>	<i>Validation</i>
10	<i>Snow/ice present in horizontal cell (quality of AOT/APSP degraded or AOT/APSP not retrieved due to snow/ice in horizontal cell)</i>	<i>Validation</i>
11	<i>Cloud shadow present in horizontal cell (quality of AOT/APSP degraded or AOT/APSP not retrieved due to cloud shadows in horizontal cell)</i>	<i>Validation</i>
12	<i>Sun glint present in horizontal cell (quality of AOT/APSP degraded or AOT/APSP not retrieved due to sun glint in horizontal cell)</i>	<i>Validation</i>
13	<i>Bad SDR data present in horizontal cell (quality of AOT/APSP degraded or AOT/APSP not retrieved due to bad SDR data in horizontal cell)</i>	<i>Validation</i>
14	<i>Thin cirrus present in horizontal cell - cirrus contamination - (quality of AOT/APSP degraded or AOT/APSP not retrieved due to thin cirrus in horizontal cell)</i>	<i>Validation</i>
15	<i>Cloud present in adjacent horizontal cell (quality of AOT/APSP possibly degraded due to adjacent clouds)</i>	<i>Validation</i>
16	<i>Cloud contamination - quality of AOT degraded or AOT not retrieved due to clouds (not including thin cirrus) in horizontal cell)</i>	<i>Validation</i>
17	<i>AOT/APSP is outside of the SystemSpecificationRange (quality of AOT or APSP degraded due to AOT or APSP value being outside of spec (and LUT) range)</i>	<i>Validation</i>
All 18	<i>Missing value</i>	<i>Validation</i>

0 33 086**Quality of pixel level retrieval****none**

0 33 087

Extent of satellite within south Atlantic anomaly (based on climatological data)

Code figure		Status
0	Less than or equal to 10%	Validation
1	Greater than 10% but less than or equal to 20%	Validation
2	Greater than 20% but less than or equal to 30%	Validation
3	Greater than 30% but less than or equal to 40%	Validation
4	Greater than 40% but less than or equal to 50%	Validation
5	Greater than 50% but less than or equal to 60%	Validation
6	Greater than 60% but less than or equal to 70%	Validation
7	Greater than 70% but less than or equal to 80%	Validation
8	Greater than 80%	Validation
9-14	Reserved	Validation
15	Missing value	Validation