

**2266****k<sub>5</sub> Indicator for the method of current measurement**Code  
figure

0	Reserved
1*	ADCP (Acoustic Doppler Current Profiler)
2	GEK (Geomagnetic ElectroKinetograph)
3	Ship's set and drift determined by fixes 3–6 hours apart
4	Ship's set and drift determined by fixes more than 6 hours but less than 12 hours apart
5	Drift of buoy
6	ADCP (Acoustic Doppler Current Profiler)

\* This entry should not be used. Code figure 6 should be used instead.

**2267****k<sub>6</sub> Method of removing the velocity and motion of the ship or buoy from current measurement**Code  
figure

0	Ship's motion removed by averaging	}	Ship's velocity removed by bottom tracking
1	Ship's motion removed by motion compensation		
2	Ship's motion not removed	}	Ship's velocity removed by navigation
3	Ship's motion removed by averaging		
4	Ship's motion removed by motion compensation		
5	Ship's motion not removed		
6	Doppler current profiling method not used		
7–9	Reserved		

Note: Code figures 0, 1, 2 and 6 are also used for drifting buoys.

**2300****L Estimated level of wind data**Code  
figure

2	Low-cloud level
5	Middle-cloud level
8	High-cloud level

**2382****L<sub>i</sub>L<sub>i</sub>, L<sub>j</sub>L<sub>j</sub> Type of line or feature being described**Code  
figure

00	No specification
01	North-east of following line*
02	East of following line*
03	South-east of following line*
04	South of following line*
05	South-west of following line*
06	West of following line*
07	North-west of following line*
08	North of following line*
09	Within following lines*
10	Land
11	Radar
12	Satellite
13	Limits of observation
14	Limits of analysis
15	Estimated
16	Compacted edge
17	Diffused edge
18	Area of greater concentration
19	Area of lesser concentration
21	Ice edge
22	Concentration boundary
23	Fast ice
24	Lead
25	Polynya
26	Belt
27	Patch
28	Field
29	Ridged ice zone
30	Fracture zone
31	Iceberg
32	Scattered icebergs
33	Group of icebergs
34	Ice island
35	(Available for expansion)
50	Whole visual observed area
51	Whole visual observed area outside pack-ice area

Note: If only one set of code figure L<sub>i</sub>L<sub>i</sub> is used, L<sub>j</sub>L<sub>j</sub> shall be coded as 00.

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\* The line indicated by the position groups following the group 6L<sub>i</sub>L<sub>i</sub>L<sub>j</sub>L<sub>j</sub>.

**2538****M<sub>h</sub> Character of air mass**Code  
figure

0	No specification, or indeterminate
1	Continental (c)
2	Maritime (m)

**2551****M<sub>s</sub> Source region of air mass**Code  
figure

0	No specification, or indeterminate
1	Arctic (A)
2	Polar (P)
3	Tropical (T)
4	Equatorial (E)
5	Superior (S)

**2552****M<sub>t</sub> Thermodynamic character of air mass**Code  
figure

0	No specification	
1	Indeterminate	} If <i>not</i> followed by another 33M <sub>h</sub> M <sub>s</sub> M <sub>t</sub> group, means only one air mass present; if followed by another 33M <sub>h</sub> M <sub>s</sub> M <sub>t</sub> group, means "mixed" with air mass described in second group
2	Cold (k)	
3	Warm (w)	
4	Indeterminate	} Is followed by another 33M <sub>h</sub> M <sub>s</sub> M <sub>t</sub> group, the air mass reported in the first group being above the air mass of the second group
5	Cold (k)	
6	Warm (w)	
7	Indeterminate	} Is followed by another 33M <sub>h</sub> M <sub>s</sub> M <sub>t</sub> group, the air mass in the first group being "transitional" or "becoming" the air mass in the second group
8	Cold (k)	
9	Warm (w)	

**2555****M<sub>w</sub>** *Water-spout(s), tornadoes, whirlwinds, dust devils*Code  
figure

- |   |  |
|---|--|
| 0 | Water-spout(s) within 3 km of station      |
| 1 | Water-spout(s) more than 3 km from station |
| 2 | Tornado clouds within 3 km of station      |
| 3 | Tornado clouds more than 3 km from station |
| 4 | Whirlwinds of slight intensity             |
| 5 | Whirlwinds of moderate intensity           |
| 6 | Whirlwinds of severe intensity             |
| 7 | Dust devils of slight intensity            |
| 8 | Dust devils of moderate intensity          |
| 9 | Dust devils of severe intensity            |

**2562****M<sub>1</sub>** *Month when the period covered by the forecast begins***M<sub>2</sub>** *Month when the period covered by the forecast ends*Code  
figure

- |   |                                       |
|---|---------------------------------------|
| 0 | Current month                         |
| 1 | First month after the current month   |
| 2 | Second month after the current month  |
| 3 | Third month after the current month   |
| 4 | Fourth month after the current month  |
| 5 | Fifth month after the current month   |
| 6 | Sixth month after the current month   |
| 7 | Seventh month after the current month |
| 8 | Eighth month after the current month  |
| 9 | Ninth month after the current month   |

## 2582

M<sub>i</sub>M<sub>i</sub> *Identification letters of the report*M<sub>j</sub>M<sub>j</sub> *Identification letters of the part of the report or the version of the code form*

Code form	M <sub>i</sub> M <sub>i</sub>				M <sub>j</sub> M <sub>j</sub>				
	Land station	Sea station	Aircraft	Satellite	Part A	Part B	Part C	Part D	No distinction
FM 12-XIV	SYNOP	AA							XX
FM 13-XIV	SHIP		BB						XX
FM 14-XIV	SYNOP MOBIL	OO							XX
FM 18-XII	BUOY		ZZ						YY
FM 20-VIII	RADOB	FF	GG		AA	BB			
FM 32-XI Ext.	PILOT	PP			AA	BB	CC	DD	
FM 33-XI Ext.	PILOT SHIP		QQ		AA	BB	CC	DD	
FM 34-XI Ext.	PILOT MOBIL	EE			AA	BB	CC	DD	
FM 35-XI Ext.	TEMP	TT			AA	BB	CC	DD	
FM 36-XI Ext.	TEMP SHIP		UU		AA	BB	CC	DD	
FM 37-XI Ext.	TEMP DROP			XX	AA	BB	CC	DD	
FM 38-XI Ext.	TEMP MOBIL	II			AA	BB	CC	DD	
FM 39-VI	ROCOB	RR							XX
FM 40-VI	ROCOB SHIP		SS						XX
FM 41-IV	CODAR		LL						XX
FM 62-VIII Ext.	TRACKOB		NN						XX
FM 63-IX	BATHY		JJ						XX
FM 63-X Ext.	BATHY		JJ						YY
FM 63-XI Ext.	BATHY		JJ						VV
FM 64-IX	TESAC		KK						XX
FM 64-XI Ext.	TESAC		KK						YY
FM 65-XI Ext.	WAVEOB		MM						XX
FM 67-VI	HYDRA	HH							XX
FM 85-IX	SAREP	CC	DD		AA	BB			
FM 86-XI	SATEM			VV	AA	BB	CC	DD	
FM 87-XI	SARAD			WW					XX
FM 88-XI	SATOB			YY					XX

2590

MMM Number of Marsden square in which the station is situated at the time of observation

180°	170°	160°	150°	140°	130°	120°	110°	100°	90°	80°	70°	60°	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	60°	70°	80°										
270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	288	287	286	285	284	283	282	281	280	279	278	277	276	275	274	273	272	271	
234	233	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217	252	251	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	
198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	
162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	180	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	
126	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	
90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	
54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	
18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	
317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301	300	335	334	333	332	331	330	329	328	327	326	325	324	323	322	321	320	319	318	
353	352	351	350	349	348	347	346	345	344	343	342	341	340	339	338	337	336	371	370	369	368	367	366	365	364	363	362	361	360	359	358	357	356	355	354	
389	388	387	386	385	384	383	382	381	380	379	378	377	376	375	374	373	372	407	406	405	404	403	402	401	400	399	398	397	396	395	394	393	392	391	390	
425	424	423	422	421	420	419	418	417	416	415	414	413	412	411	410	409	408	443	442	441	440	439	438	437	436	435	434	433	432	431	430	429	428	427	426	
461	460	459	458	457	456	455	454	453	452	451	450	449	448	447	446	445	444	479	478	477	476	475	474	473	472	471	470	469	468	467	466	465	464	463	462	
497	496	495	494	493	492	491	490	489	488	487	486	485	484	483	482	481	480	515	514	513	512	511	510	509	508	507	506	505	504	503	502	501	500	499	498	
533	532	531	530	529	528	527	526	525	524	523	522	521	520	519	518	517	516	551	550	549	548	547	546	545	544	543	542	541	540	539	538	537	536	535	534	
180°	170°	160°	150°	140°	130°	120°	110°	100°	90°	80°	70°	60°	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°

Note: For polar zones, see following page.

(continued)



(Code table 2590 – continued)

Note: The number to be coded for  $U_{L_a}U_{L_o}$  in the position verifying group  $MMM U_{L_a}U_{L_o}$  is obtained by combining the second figure for  $L_a$  and the third figure for  $L_o$  in the reported position ( $L_a L_a L_a Q_c L_o L_o L_o L_o$ ). This number  $U_{L_a}U_{L_o}$  is the number of the one-degree subdivision of the Marsden 10-degree square in which the ship is located at the time of observation.

When the ship is on the boundary between two (or four) 10-degree Marsden squares, the number to be coded for MMM is that of the Marsden 10-degree square in which the one-degree subdivision whose number is  $U_{L_a}U_{L_o}$ , as defined above, corresponds to the ship's position.

When the ship is on the meridian  $0^\circ$  or  $180^\circ$ , as well as on the Equator, the number used for reporting  $Q_c$  shall be taken into account for determining the relevant number of the Marsden 10-degree square.

Examples:

- (1) For a ship located at  $42.3^\circ\text{N}$  and  $30.0^\circ\text{W}$ , the position is coded as follows:

$$Q_c = 7, L_a L_a L_a = 423, L_o L_o L_o L_o = 0300$$

$U_{L_a}U_{L_o}$  is therefore **20**. The ship is on the boundary line between Marsden squares 147 and 148. The relevant scheme of the annex ( $Q_c = 7$ ) shows that the one-degree subdivision corresponding to the ship's position would be numbered 29 in Marsden square 147 and **20** in Marsden square 148. MMM is therefore to be coded 148.

- (2) For a ship located at  $40.0^\circ\text{S}$  and  $120.0^\circ\text{E}$ , the position is coded as follows:

$$Q_c = 3, L_a L_a L_a = 400, L_o L_o L_o L_o = 1200$$

$U_{L_a}U_{L_o}$  is therefore **00**. The ship is on the boundary point between Marsden squares 431, 432, 467 and 468. The relevant scheme of the annex ( $Q_c = 3$ ) shows that the one-degree subdivision corresponding to the ship's position would be 90 in Marsden square 431, 99 in Marsden square 432, **00** in Marsden square 467, and 09 in Marsden square 468. MMM is therefore to be coded 467.

(See annex.)

(continued)

(Code table 2590 – continued)

A N N E X

Subdivisions of the Marsden 10-degree squares into one-degree squares for the eight octants (Q) of the globe

WEST

99	98	97	96	95	94	93	92	91	90
89									80
79									70
69									60
59									50
49									40
39									30
29									20
19									10
09	08	07	06	05	04	03	02	01	00

Q<sub>c</sub> = 7

EAST

90	91	92	93	94	95	96	97	98	99
80									89
70									79
60									69
50									59
40									49
30									39
20									29
10									19
00	01	02	03	04	05	06	07	08	09

Q<sub>c</sub> = 1

NORTH

09	08	07	06	05	04	03	02	01	00
19									10
29									20
39									30
49									40
59									50
69									60
79									70
89									80
99	98	97	96	95	94	93	92	91	90

Q<sub>c</sub> = 5

00	01	02	03	04	05	06	07	08	09
10									19
20									29
30									39
40									49
50									59
60									69
70									79
80									89
90	91	92	93	94	95	96	97	98	99

Q<sub>c</sub> = 3

SOUTH

**2600****m** *Movement*Code  
figure

0	No specification
1	Stationary
2	Little change
3	Becoming stationary
4	Retarding
5	Curving to left
6	Recurving
7	Accelerating
8	Curving to right
9	Expected to recurve

**2604****m<sub>S</sub>** *Averaging period for salinity***m<sub>T</sub>** *Averaging period for sea temperature***m<sub>C</sub>** *Averaging period for surface current direction and speed*Code  
figure

0	Spot values
1	Less than 15 minutes
2	From 15 to 45 minutes
3	More than 45 minutes
9	Data not available

**2649****m<sub>r</sub>** *Method of reducing data*Code  
figure

1	Manually – Nomogram
2	Electronic computer
9	Other method

Note: Code figure 1 shall be reported if all, or any portion, of the data reduction was manual. Code figure 2 shall be reported only when all the data reduction was by electronic computer.

**2650****m<sub>s</sub> Stage of melting**Code  
figure

0	No melt
1	Discoloured ice
2	Flooded ice
3	Few puddles
4	Many puddles
5	Puddles with few thaw holes
6	Puddles with many thaw holes
7	Thaw holes, no puddles
8	Rotten ice
9	Refreezing/refrozen puddles
/	Undetermined or unknown

**2677****mm Procedure or model used to generate the data field**Code  
figure

00	Subjective analysis
01–09	Subjective forecast
10–19	Objective (numerical) analysis
20–29	Barotropic (one layer) numerical forecast based on the primitive equations
30–39	Barotropic (one layer) numerical forecast based on other than the primitive equations
40–59	Baroclinic (multilayer) numerical forecast based on the primitive equations
60–79	Baroclinic (multilayer) numerical forecast based on other than the primitive equations
80–98	Other procedures or models
99	Not mentioned

Note: Detailed specifications of each procedure or model are contained in Volume B of publication WMO-No. 9.

**2700****N** *Total cloud cover***N<sub>h</sub>** *Amount of all the C<sub>L</sub> cloud present or, if no C<sub>L</sub> cloud is present, the amount of all the C<sub>M</sub> cloud present***N<sub>s</sub>** *Amount of individual cloud layer or mass whose genus is indicated by C***N'** *Amount of cloud whose base is below the level of the station*Code  
figure

0	0	0
1	1 oktas or less, but not zero	<sup>1</sup> / <sub>10</sub> or less, but not zero
2	2 oktas	<sup>2</sup> / <sub>10</sub> – <sup>3</sup> / <sub>10</sub>
3	3 oktas	<sup>4</sup> / <sub>10</sub>
4	4 oktas	<sup>5</sup> / <sub>10</sub>
5	5 oktas	<sup>6</sup> / <sub>10</sub>
6	6 oktas	<sup>7</sup> / <sub>10</sub> – <sup>8</sup> / <sub>10</sub>
7	7 oktas or more, but not 8 oktas	<sup>9</sup> / <sub>10</sub> or more, but not <sup>10</sup> / <sub>10</sub>
8	8 oktas	<sup>10</sup> / <sub>10</sub>
9	Sky obscured by fog and/or other meteorological phenomena	
/	Cloud cover is indiscernible for reasons other than fog or other meteorological phenomena, or observation is not made	

Note: For use of (/), see Regulation 12.1.4.

**2745****N<sub>m</sub>** *Cloud conditions over mountains and passes*Code  
figure

0	All mountains open, only small amounts of cloud present
1	Mountains partly covered with detached clouds (not more than half the peaks can be seen)
2	All mountain slopes covered, peaks and passes free
3	Mountains open on observer's side (only small amounts of cloud present), but a continuous wall of cloud on the other side
4	Clouds low above the mountains, but all slopes and mountains open (only small amounts of cloud on the slopes)
5	Clouds low above the mountains, peaks partly covered by precipitation trails or clouds
6	All peaks covered but passes open, slopes either open or covered
7	Mountains generally covered but some peaks free, slopes wholly or partially covered
8	All peaks, passes and slopes covered
9	Mountains cannot be seen owing to darkness, fog, snowstorm, precipitation, etc.

**2752**

**N<sub>t</sub> Condensation trails**

Code figure

- 5 Non-persistent condensation trails
- 6 Persistent condensation trails covering less than 1/8 of the sky
- 7 Persistent condensation trails covering 1/8 of the sky
- 8 Persistent condensation trails covering 2/8 of the sky
- 9 Persistent condensation trails covering 3/8 or more of the sky

**2754**

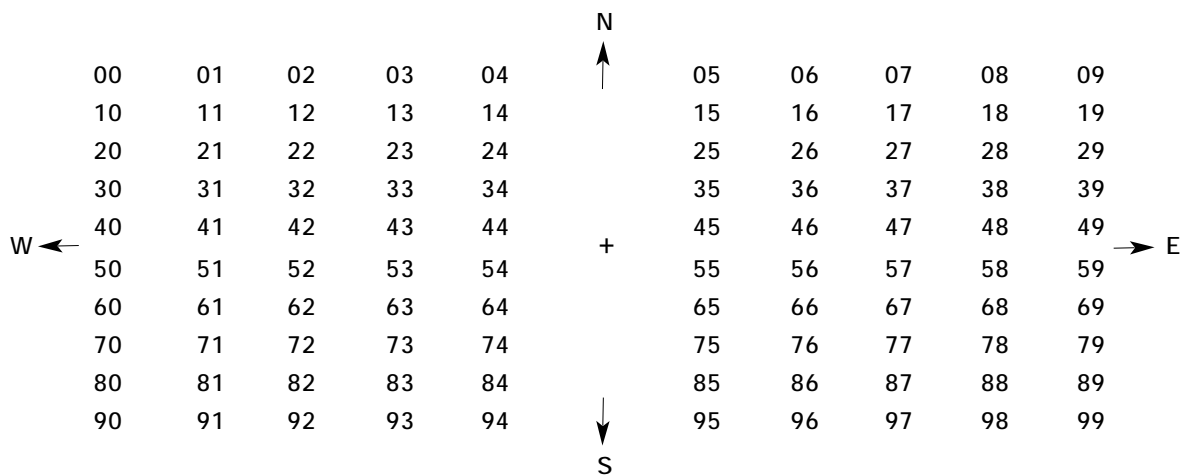
**N<sub>v</sub> Cloud conditions observed from a higher level**

Code figure

- 0 No cloud or mist
- 1 Mist, clear above
- 2 Fog patches
- 3 Layer of slight fog
- 4 Layer of thick fog
- 5 Some isolated clouds
- 6 Isolated clouds and fog below
- 7 Many isolated clouds
- 8 Sea of clouds
- 9 Bad visibility obscuring the downward view

**2776**

**N<sub>e</sub>N<sub>e</sub> Sequential number of the 60 × 60 km square in the radar coordinate grid**



Note: The cross indicates the radar's location.

**2836**

n<sub>f</sub> *Number of atmospherics observed by the system at the geographical locations that follow, during a 10-minute period within the hour immediately preceding the time of the report*

Code  
figure

0	1
1	2 or 3
2	4 to 8
3	9 to 15
4	16 to 24
5	25 to 35
6	36 to 48
7	49 to 63
8	64 to 80
9	81 or more
/	Not specified

**2863**

n<sub>3</sub> *Evolution of clouds*

Code  
figure

0	No change
1	Cumulification
2	Slow elevation
3	Rapid elevation
4	Elevation and stratification
5	Slow lowering
6	Rapid lowering
7	Stratification
8	Stratification and lowering
9	Rapid change

**2864****n<sub>4</sub>** *Evolution of clouds observed from a station at a higher level*Code  
figure

0	No change
1	Decrease and elevation
2	Decrease
3	Elevation
4	Decrease and lowering
5	Increase and elevation
6	Lowering
7	Increase
8	Increase and lowering
9	Intermittent fog at the station

**2877****n<sub>BnB</sub>** *Number of icebergs within the area***n<sub>GnG</sub>** *Number of growlers and bergy bits within the area*Code  
figure

00	None
01	1
02	2
03	3
04	4
05	5
06	6
07	7
08	8
09	9
10	10
11	11
12	12
13	13
14	14

Code  
figure

15	15
16	16
17	17
18	18
19	19
20	1– 9
21	10– 19
22	20– 29
23	30– 39
24	40– 49
25	50– 99
26	100–199
27	200–499
28	500 or more
99	No indication because counting has been impossible

*(continued)*

(Code table 2877 – continued)

Notes:

- (1) If the exact number, 1 to 19, is known, code figures 01 to 19 shall be used.
- (2) If the number is more than 19, or if the exact number can only be estimated, code figures 20 to 28 shall be used.
- (3) Code figure 99 shall only be used when it is absolutely impossible to make a reasonable estimate of the number.

### 2890

n<sub>T</sub>n<sub>T</sub> *Indicator of reference code table for type of parameter a<sub>1</sub>a<sub>1</sub>a<sub>1</sub>, a<sub>2</sub>a<sub>2</sub>a<sub>2</sub>*

Code  
figure

00	Code table 0291
01–99	Reserved

### 3131

P<sub>a</sub> *Countermeasures taken near border*

Code  
figure

0	No countermeasures
1	Evacuation
2	Sheltering
3	Prophylaxis
4	Water
5	Milk
6	Vegetables
7	Other food types
8–9	Reserved
/	Missing value

**3133**

P<sub>c</sub> *Character of pressure system*

h<sub>c</sub> *Character of topography system*

Code  
figure

- 0 No specification
- 1 LOW filling or HIGH weakening
- 2 Little change
- 3 LOW deepening or HIGH intensifying
- 4 Complex
- 5 Forming or existence suspected (cyclogenesis or anticyclogenesis)
- 6 Filling or weakening, but not disappearing
- 7 General rise of pressure (or height)
- 8 General fall of pressure (or height)
- 9 Position doubtful

**3139**

P<sub>i</sub> *Forecast ice phenomenon*

Code  
figure

- 1 Appearance of floating ice
- 2 Freeze-up in rivers, lakes or reservoirs
- 3 Ice break-up in rivers, lakes or reservoirs
- 4 Disappearance of ice

**3152** $P_t$  *Type of pressure system* $h_t$  *Type of topography system*Code  
figure

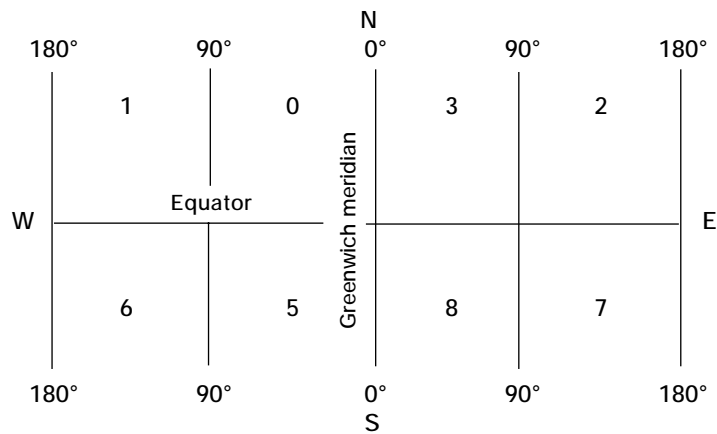
0	Complex LOW
1	LOW
2	Secondary
3	Trough
4	Wave
5	HIGH
6	Area of uniform pressure (or height)
7	Ridge
8	Col
9	Tropical storm

**3155** $P_w$  *Period of waves*Code  
figure

0	10 seconds
1	11 seconds
2	12 seconds
3	13 seconds
4	14 seconds or more
5	5 seconds or less
6	6 seconds
7	7 seconds
8	8 seconds
9	9 seconds
/	Calm or period not determined

**3300****Q Octant of the globe**

Code figure	Longitude	Hemisphere	Code figure	Longitude	Hemisphere
0	0° – 90°W	northern	5	0° – 90°W	southern
1	90° – 180°W		6	90° – 180°W	
2	180° – 90°E		7	180° – 90°E	
3	90° – 0°E		8	90° – 0°E	

**3302****Q<sub>A</sub> Location quality class (range of radius of 66% confidence)**

Code figure	Description
0	Radius $\geq$ 1 500 m
1	500 m $\leq$ Radius < 1 500 m
2	250 m $\leq$ Radius < 500 m
3	Radius < 250 m
/	Location quality class information not available

**3311****Q<sub>L</sub>** *Quality of location*Code  
figure

- |   |  |
|---|--|
| 0 | The value transmitted at the beginning of the report is a reliable value (location made over two satellite passes)     |
| 1 | The values at the beginning of the report are the latest known values (no location over the corresponding pass)        |
| 2 | Dubious quality. The location was made over one pass only; a second solution is possible in five per cent of the cases |

**3313****Q<sub>N</sub>** *Quality of the buoy satellite transmission*Code  
figure

- |   |   |
|---|---|
| 0 | Good quality (several identical reports have been received) |
| 1 | Dubious quality (no identical reports)                      |

**3315****Q<sub>P</sub>** *Quality of the pressure measurement*Code  
figure

- |   |                                |
|---|--------------------------------|
| 0 | Value within specified limits  |
| 1 | Value outside specified limits |

**3318****Q<sub>Z</sub>** *Indicator of depth correction (indication whether probe depths are corrected using hydrostatic pressure or not)*Code  
figure

- |   |                         |
|---|-------------------------|
| 0 | Depth are not corrected |
| 1 | Depth are corrected     |
| / | Missing                 |

**3319**

$Q_{TW}$  *Quality of the measurement of the water-surface temperature*

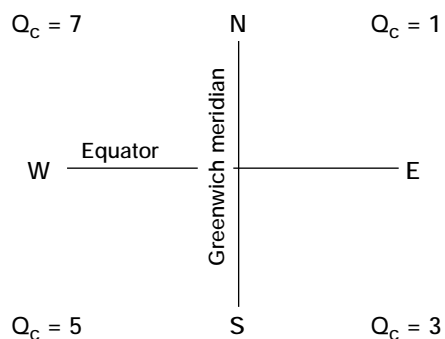
Code figure

- 0 Value within limits
- 1 Value outside limits

**3333**

$Q_c$  *Quadrant of the globe*

Code figure	Latitude	Longitude
1	North	East
3	South	East
5	South	West
7	North	West



Note: The choice is left to the observer in the following cases:

- When the ship is on the Greenwich meridian or the 180th meridian ( $L_oL_oL_oL_o = 0000$  or  $1800$  respectively):
  - $Q_c = 1$  or  $7$  (northern hemisphere) or
  - $Q_c = 3$  or  $5$  (southern hemisphere);
- When the ship is on the Equator ( $L_aL_aL_a = 000$ ):
  - $Q_c = 1$  or  $3$  (eastern longitude) or
  - $Q_c = 5$  or  $7$  (western longitude).

**3334**

- Q<sub>d</sub> *Quality control indicator*  
 Q<sub>d1</sub> *Quality control indicator for temperature/salinity profile*  
 Q<sub>d2</sub> *Quality control indicator for current profile*  
 Q<sub>l</sub> *Quality control indicator for position*  
 Q<sub>t</sub> *Quality control indicator for time*

Code  
figure

0	Data not checked
1	Data good
2	Data inconsistent
3	Data doubtful
4	Data wrong
5	Data value has been changed

Note: These flags are the same as the IGOSS quality control flags.

**3363**

- Q<sub>2</sub> *Quality of the housekeeping parameter (second word in first block of ARGOS platform transmitters terminal sensor data)*  
 Q<sub>4</sub> *Quality of the measurement of air temperature*

Code  
figure

0	Value within limits
1	Value outside limits

**3462**

- q<sub>1</sub> *Message contraction and data scanning indicator*

Code figure	Spaces included between data groups	Data line scanning mode
0	Yes	Normal
1	Yes	As described in Volume B of publication WMO-No. 9
2	No	Normal
3	No	As described in Volume B of publication WMO-No. 9

**3463****q<sub>2</sub> Data contraction indicator**Code  
figure

0	All data location groups and, where necessary, the group 999l <sub>0</sub> l <sub>0</sub> included			
1	Groups 999l <sub>0</sub> l <sub>0</sub>	k <sub>1</sub> k <sub>1</sub> n <sub>g</sub> n <sub>g</sub>	i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub>	omitted
2	Groups 999l <sub>0</sub> l <sub>0</sub>	n <sub>g</sub> n <sub>g</sub>	i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub>	omitted
3	Groups	n <sub>g</sub> n <sub>g</sub>	i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub>	omitted
4	Group		i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub> i <sub>a</sub>	omitted
5	Group 999l <sub>0</sub> l <sub>0</sub>	omitted		

Notes:

- (1) Code figures 1, 2, 3, 4 and 5 for q<sub>2</sub> shall be used only when the relevant details are given in the appropriate WMO publication so that the unambiguous reconstruction of the product is possible by using that publication.
- (2) When n<sub>g</sub>n<sub>g</sub> is omitted but k<sub>1</sub>k<sub>1</sub> is included, no solidi shall be included in the place of n<sub>g</sub>n<sub>g</sub>. The group will therefore be reported in the form of k<sub>1</sub>k<sub>1</sub>.

**3533****R<sub>c</sub> Composition of release**Code  
figure

0	Noble gases
1	Iodines
2	Caesiums
3	Transuranics
4–9	Reserved
/	Missing value

**3534****R<sub>d</sub> Frequency group within which R<sub>1</sub>R<sub>1</sub>R<sub>1</sub>R<sub>1</sub> falls**Code  
figure

0	Smaller than any value in the 30-year period
1	In the first quintile
2	In the second quintile
3	In the third quintile
4	In the fourth quintile
5	In the fifth quintile
6	Greater than any value in the 30-year period