

## PRE-ANALYSIS OF THE SET OF MESSAGES

### 1. Objective of the pre-analysis

1.1 One of the main feature of the Special Pilot MTN Monitoring (SMM) is that the sets of messages provided by the various MTN monitoring centres are analysed by the MTN analysis centres. This feature aims at eliminating the discrepancies in the availability of data reported by monitoring centres due to differences in the implementation of monitoring procedures like it is the case for the present annual global monitoring, primarily due to different methods of counting the reports.

1.2 The objective of the pre-analysis is to prepare files having a data-base structure and containing the information extracted from all the sets of messages provided by the monitoring centres and required for a further analysis of the monitoring results by any other centres. The pre-analysis files will represent the unique reference for each type of data for further analysis by the analysis centre and other centres wishing to share the analysis (including the Secretariat); in this respect, they should contain all the required information. The hereunder paragraphs include formats for these pre-analysis files. Each MTN analysis centre is invited to prepare pre-analysis files for the type of data it is responsible for.

### 2. Names of directories, sub-directories and pre-analysis files

#### 2.1 Directory C<sub>a</sub>C<sub>a</sub>C<sub>a</sub>C<sub>a</sub>YYM<sub>s</sub>

C<sub>a</sub>C<sub>a</sub>C<sub>a</sub>C<sub>a</sub> : location indicator of the analysis centre  
YY : Starting year of the monitoring (e.g. YY=95 for 1995)  
M<sub>s</sub> : Starting month of the monitoring (1...9 = January...September and A...C = October...December)

#### 2.2 Sub-directories D M<sub>s</sub>d<sub>s</sub>d<sub>s</sub>M<sub>e</sub>d<sub>e</sub>d<sub>e</sub>.TTT

D : type of monitoring (D=S for the SMM)  
M<sub>s</sub> : starting month of the monitoring (1...9 = January...September and A...C = October...December)  
d<sub>s</sub>d<sub>s</sub> : starting date of the monitoring  
M<sub>e</sub> : ending month of the monitoring (1...9 = January...September and A...C = October...December)  
d<sub>e</sub>d<sub>e</sub> : ending date for the monitoring  
TTT : code of the files in the sub-directory (DBF for dBASE, ASC for ASCII)

#### 2.3 Pre-analysis files

The results of the pre-analysis of the set of messages provided by each monitoring centre should be included in files having the following names: C<sub>m</sub>C<sub>m</sub>C<sub>m</sub>C<sub>m</sub>TTY<sub>Y</sub>.TTT

C<sub>m</sub>C<sub>m</sub>C<sub>m</sub>C<sub>m</sub> : being the location indicator of the monitoring centre which provided the set of messages  
TT : representing the type of data as given in Table A  
YY : a sequence number if the data are to be entered into several media (e.g. diskettes)

TTT : being the code of the files in the sub-directory (DBF for dBASE, ASC for ASCII)

Example:- DAMMSY02.ASC, SABMSY02.ASC, EDZWSY02.ASC, RJTDSY02.ASC for the set of SYNOP messages provided by RTH Algiers, RTH Buenos Aires, RTH Offenbach, RTH Tokyo and saved under subdirectory P701715.ASC of directory RJTD957 in diskette No.2 in ASCII files by RTH Tokyo as analysis centre.

- SABMCL02.ASC, HECACL02.ASC, LZSOCL02.ASC, LFPWCL02.ASC for the set of CLIMAT messages provided by RTH Buenos Aires, RTH Cairo, RTH Sofia, RTH Toulouse and saved under subdirectory P701715.ASC of directory SABM957 in diskette No.2 in dBASE tables/files by RTH Buenos Aires as analysis centre.

## 2.4 Information files

2.4.1 The analysis centres are invited to provide information on their pre-analysis in a file named README.TXT. The information should include information on the algorithms used for the pre-analysis and any difficulties met during the exercise as well as any other information that the analysis centre wishes to share.

2.4.2 The analyses centres are invited to recapitulate the lists of the files in a file named LISTFIYY.TTT (YY and TTT defined as above).

## 3. **Constitution and structure of the pre-analysis files**

### 3.1 Constitution of the pre-analysis files

3.1.1 The pre-analysis should consist at first in identifying bulletins in the files.

3.1.2 For each bulletin identified, three cases should be considered:

- (a) Case A: at least one report (including possible NIL report(s)) is identified within the bulletin;
- (b) Case B: no report can be identified within the bulletin but the mention NIL can be identified within the text of the bulletin (which can be considered as a NIL bulletin);
- (c) Case C: no report can be identified within the bulletin and no mention NIL can be identified within the text of the bulletin.

3.1.3 For case A, for each individual report (*including NIL and duplicated report*) a record should be created. The pre-analysis files should not be sorted or indexed; the records associated to reports compiled within the same bulletin should be left consecutive in the pre-analysis files.

3.1.4 For cases B and C, for each bulletin identified one record should be created.

3.1.5 If an analysis centre is not in a position to follow the suggested procedures, it should describe in the information file README.TXT the differences between the procedures it implemented and the suggested procedures. In such cases, the analysis centres are invited to maintain as much as possible the suggested structure of the pre-analysis files, in particular as regards the position and length of the fields.

3.1.6 The analysis centres are invited to provide information on the algorithms used for the identification of bulletins and reports for the pre-analysis in the file README.TXT (see above paragraph 2.4.1).

### 3.2 Structure of the pre-analysis files

The following tables detail the suggested structure for each record of the pre-analysis files. An example of an extract of a pre-analysis file for BATHY/TESAC/TRACKOB messages is given in paragraph 3.2.13.



### 3.2.1. SYNOP (TT=SY)

Field	Field name	Type	Width	Index	Description
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of SYNOP report.
9	YYGGIW	Character	5	N	YYGGI <sub>w</sub> group of SYNOP report.
10	IIIII	Character	5	N	IIIII group of SYNOP report.
11	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after IIIII (BNIL=blank).
12	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
13	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C. = "0" for case A if the report is not the last report of the bulletin.
	Total:		56		

### 3.2.2. TEMP Part A (TT=TT)

Field	Field name	Type	Width	Index	Description
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of TEMP report Part A.
9	YYGGID	Character	5	N	YYGGI <sub>d</sub> group of TEMP report Part A.
10	IIIII	Character	5	N	IIIII group of TEMP report Part A.
11	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after IIIII (BNIL=blank).

12	SS	Character	1	N	Insert “=” (report separation signal) as available in the report.
13	ETX	Character	1	N	= “1” for case A if the report is the last report of the bulletin, and for cases B and C. = “0” for case A if the report is not the last report of the bulletin.
	Total:		56		

### 3.2.3. PILOT Part A (TT=PP)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHmCCCC.
2	SOH	Character	1	N	= “1” for case A if the report is the first report of the bulletin, and for cases B and C.  = “0” for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert “NIL”, when “NIL” exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of PILOT report Part A.
9	YYGGA4	Character	5	N	YYGGA <sub>4</sub> group of PILOT report Part A.
10	IIII	Character	5	N	IIII group of SYNOP report.
11	RNIL	Character	3	N	Insert “NIL”, when “NIL” exist after IIII (BNIL=blank).
12	SS	Character	1	N	Insert “=” (report separation signal) as available in the report.
13	ETX	Character	1	N	= “1” for case A if the report is not the last report of the bulletin.
	Total:		56		

### 3.2.4. CLIMAT (TT=CL)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHmCCCC.
2	SOH	Character	1	N	= “1” for case A if the report is the first report of the bulletin, and for cases B and C.  = “0” for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.

5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	CL	Character	6	N	Insert "CLIMAT", as available in the report.
9	MMJJJ	Character	5	N	MMJJJ group of CLIMAT report.
10	IIIII	Character	5	N	IIIII group of CLIMAT report.
11	G111	Character	3	N	111 group of CLIMAT report.
12	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after liiii (BNIL=blank).
13	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
14	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the last report of the bulletin.
	Total:		61		

### 3.2.5. CLIMAT TEMP (TT=CT)

Field	Field name	Type	Width	Index	Description
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> II of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	CT	Character	11	N	Insert "CLIMAT TEMP", as available in the report.
9	MMJJJ	Character	5	N	MMJJJ group of CLIMAT TEMP report.
10	IIIII	Character	5	N	IIIII group of CLIMAT TEMP report.
11	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after liiii (BNIL=blank).
13	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
14	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C. = "0" for case A if the report is not the last report of the bulletin.
	Total:		63		

### 3.2.6. AIREP (TT=AI)

Field	Field name	Type	Width	Index	Description
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from

					which the bulletin was received: YYMMDDHHmmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	AIREP	Character	5	N	Insert "AIREP", or sometimes "ARP" as available in the AIREP report.
9	FLAG	Character	1	N	= "0" if the report could not be decoded. = "1" if the location correspond to the beacon mentioned in the field LAA. = "2" if the latitude and longitude are given in the fields LAA and LOB.
10	SIII	Character	4	N	S <sub>n</sub> I <sub>1</sub> I <sub>1</sub> I <sub>1</sub> group of AIREP report.
11	IA_IA	Character	8	N	Aircraft identifier.
12	LAA	Character	5	N	Latitude in hundredths of a degree.
13	LOB	Character	6	N	Longitude in hundredths of a degree.
14	GGGG	Character	4	N	GGgg group of AIREP report.
15	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
16	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C. = "0" for case A if the report is not the last report of the bulletin.
	Total:		94		

### 3.2.7. AMDAR (TT=AM)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHHmmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	AMDAR	Character	5	N	Insert "AMDAR", as available in the report.
9	YYGG	Character	4	N	YYGG group of AMDAR report.
10	SIII	Character	4	N	S <sub>n</sub> I <sub>1</sub> I <sub>1</sub> I <sub>1</sub> group of AMDAR report.
11	IA_IA	Character	8	N	I <sub>A</sub> ...I <sub>A</sub> group of AMDAR report.
12	LAA	Character	5	N	L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> A group of AMDAR report.
13	LOB	Character	6	N	L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> B group of AMDAR report.

12	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after I <sub>A</sub> ...I <sub>A</sub> (BNIL=blank).
13	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
14	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C. = "0" for case A if the report is not the last report of the bulletin.
	Total:		77		

### 3.2.8. BATHY/TESAC/TRACKOB (TT=BT)

Field	Field name	Type	Width	Index	Description
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of BATHY or TESAC or TRACKOB.
9	YYMMJ	Character	5	N	YYMMJ group of BATHY or TESAC or TRACKOB.
10	GGGGX	Character	5	N	GGgg/ group of BATHY or TESAC or TRACKOB.
11	QCLA	Character	56	N	Q <sub>c</sub> L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> group of BATHY or TESAC or the first observation of the TRACKOB report.
12	LOLO	Character	56	N	L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of BATHY or TESAC or the first observation of the trackob report.
13	END_GGGGX	Character	5	N	GGgg/ group of the last observation of TRACKOB report.
14	END_QCLA	Character	5	N	Q <sub>c</sub> L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> group of the last observation of TRACKOB report.
15	END_LOLO	Character	5	N	L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of the last observation of TRACKOB report.
16	D_D	Character	8	N	D...D or A <sub>1</sub> b <sub>w</sub> n <sub>b</sub> n <sub>b</sub> n <sub>b</sub> group of BATHY or TESAC or TRACKOB.
17	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after D...D.
18	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
19	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the first report of the bulletin.
	Total:		91		

### 3.2.9. BUOY (TT=BU)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YMMDDHmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of BUOY report.
9	A1BWNB	Character	5	N	A <sub>1</sub> b <sub>w</sub> n <sub>b</sub> n <sub>b</sub> n <sub>b</sub> group of BUOY report.
10	YYMMJ	Character	5	N	YYMMJ group of BUOY report.
11	GGGGIW	Character	5	N	GGggI <sub>w</sub> group of BUOY report.
12	QCLA	Character	6	N	Q <sub>c</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of BUOY report.
13	LOLO	Character	6	N	L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of BUOY report.
12	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after A <sub>1</sub> b <sub>w</sub> n <sub>b</sub> n <sub>b</sub> .
13	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
14	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the first report of the bulletin.
	Total:		61		

### 3.2.10. SHIP (TT=SH)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YMMDDMMmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of SHIP report.
9	D_D	Character	8	N	D....D group of SHIP report.

10	YYGGIW	Character	5	N	YYGGI <sub>w</sub> group of SHIP report.
11	LA99	Character	5	N	99L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> group of SHIP report.
12	QCLO	Character	5	N	Q <sub>c</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of SHIP report.
13	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after D...D (BNIL=blank):
14	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
15	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the last report of the bulletin.
	Total:		69		

### 3.2.11. PILOT SHIP Part A (TT=PS)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDMMmmCCCC.
2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the first report of the bulletin.
3	TTAAIL	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
8	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of PILOT SHIP report Part A.
9	D_D	Character	8	N	D...D group of PILOT SHIP report Part A.
10	YYGGA4	Character	5	N	YYGGA <sub>4</sub> group of PILOT SHIP report Part A.
11	LA99	Character	5	N	99L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> group of PILOT SHIP report Part A.
12	QCLO	Character	5	N	Q <sub>c</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of PILOT SHIP report Part A.
13	RNIL	Character	3	N	Insert "NIL", when "NIL" exist after D...D (BNIL=blank).
14	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
15	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C.  = "0" for case A if the report is not the last report of the bulletin.
	Total:		69		

### 3.2.12. TEMP SHIP Part A (TT=TS)

<i>Field</i>	<i>Field name</i>	<i>Type</i>	<i>Width</i>	<i>Index</i>	<i>Description</i>
1	DATECCCC	Character	14	N	Year, month, date, minute of reception of bulletin and location indicator (CCCC) of the centre from which the bulletin was received: YYMMDDHHmmCCCC.

2	SOH	Character	1	N	= "1" for case A if the report is the first report of the bulletin, and for cases B and C. = "0" for case A if the report is not the first report of the bulletin.
3	TTAII	Character	6	N	T <sub>1</sub> T <sub>2</sub> A <sub>1</sub> A <sub>2</sub> ii of the abbreviated heading of the bulletin.
4	CCCC	Character	4	N	CCCC of the abbreviated heading of the bulletin.
5	YYGGGG	Character	6	N	YYGGgg of the abbreviated heading of the bulletin.
6	BBB	Character	3	N	BBB of the abbreviated heading of the bulletin.
7	BNIL	Character	3	N	Insert "NIL", when "NIL" exists in the bulletin without any report available (RNIL=blank).
9	MIMJ	Character	4	N	M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> M <sub>i</sub> group of TEMP SHIP report Part A.
10	D_D	Character	8	N	D...D group of TEMP SHIP report Part A.
11	YYGGID	Character	5	N	YYGGI <sub>d</sub> group of TEMP SHIP report Part A.
12	LA99	Character	5	N	99L <sub>a</sub> L <sub>a</sub> L <sub>a</sub> group of TEMP SHIP report Part A.
13	QCLO	Character	5	N	Q <sub>c</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> L <sub>o</sub> group of TEMP SHIP report Part A.
14	RNIL	Character	3	N	Insert "NIL" when "NIL" exist after D...D (BNIL=blank).
15	SS	Character	1	N	Insert "=" (report separation signal) as available in the report.
16	ETX	Character	1	N	= "1" for case A if the report is the last report of the bulletin, and for cases B and C. = "0" for case A if the report is not the last report of the bulletin.
	Total:		69		

3.2.13

a) Sample of file in dBASE format

DATECCCC	SOH	TTAAII	CCCC	YGGGG G	BBB	BNI L	MIMJ	YYMMJ	GGGGX	QLA	LOLO	END_GGG GX	END_QCL A	END_LOL O	D_D	S S	ETX
9410050940RJTD	1	SOVF01	EDZW	050938			JJXX	26094	0030/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	26094	1230/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	27094	0030/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	27094	1230/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	28094	0030/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	28094	1230/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	29094	0030/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	29094	1230/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	30094	0030/	15500	00620				SHIP	=	0
9410050940RJTD	0	SOVF01	EDZW	050938			JJXX	30094	1230/	15500	00620				SHIP	=	1
9410051009RJTD	1	SOVF01	RUHB	051006			NNXX	28094	1600/	15415	00738	2300/	15443	00617	DBBX	=	0
9410051009RJTD	0	SOVF01	RUHB	051006			NNXX	29094	0100/	15450	00556	2300/	15624	00130	DBBX	=	0
9410051009RJTD	0	SOVF01	RUHB	051006			NNXX	30094	0000/	15631	00113	0700/	74709	00031	DBBX	=	1
9410051032RJTD	1	SOVF01	RUHB	051027			NNXX	30094	0800/	74713	00046	2300/	75912	00158	DBBX	=	0
9410051032RJTD	0	SOVF01	RUHB	051027			NNXX	01104	0000/	74933	00159	2300/	76008	00244	DBBX	=	0
9410051032RJTD	0	SOVF01	RUHB	051027			NNXX	02104	0000/	76002	00227	0700/	75927	00021	DBBX	=	1
9410051040RJTD	1	SOVB01	RUHB	010000			KKXX	30094	0540/	15118	14331				UQHM	=	0
9410051040RJTD	0	SOVB10	RUHB	010000			KKXX	30094	1130/	15118	14427				UQHM	=	0
9410051040RJTD	0	SOVB10	RUHB	010000			KKXX	30094	1856/	15118	14541				UQHM	=	0
9410051040RJTD	0	SOVB10	RUHB	010000			KKXX	30094	2150/	15118	14611				UQHM	=	1
9410061047RJTD	1	SOVB10	RUHB	011200			KKXX	01104	1210/	15251	14534				UQHM	=	0
9410061047RJTD	0	SOVB10	RUHB	011200			KKXX	01104	1748/	15251	14444				UQHM	=	0
9410061047RJTD	0	SOVB10	RUHB	011200			KKXX	02104	0017/	15251	14335				UQHM	=	1
9410061111RJTD	1	SOVB10	RUHB	071200			KKXX	07104	1230/	14622	14406				UQHM	=	0
9410061111RJTD	0	SOVB10	RUHB	071200			KKXX	07104	1712/	14622	14434				UQHM	=	1
9410061415RJTD	1	SOVF10	RUMS	010600			KKXX	01104	0000/	14440	03200				EOGW	=	1
9410101330RJTD	1	SOVF10	RUMS	021200			KKXX	02104	1200/	14345	03130				EOGW	=	1
9410101334RJTD	1	SOVF10	RUMS	030930			KKXX	03104	1200/	14421	03131						1
9410101358RJTD	1	SOVF10	RUMS	040600			BBXX	04104	0000/	14500	03130						1
9410101409RJTD	1	SOVF10	RUMS	051800			KKXX		02 2/	01 EO	W=				EOGW	=	1
9410101421RJTD	1	SOVF10	RUMS	061200			KKXX	06104	0840/	14427	03416				UZFA	=	1
9410101430RJTD	1	SOVF10	RUMS	061200			KKXX	06104	1200/	14607	03040				EOGW	=	1
9410110706RJTD	1	SOVF10	RUMS	070600			KKXX	07104	0000/	14508	03006				EOGW	=	1

**b) Sample of file in ASCII format delimited with quote (")**

"9410050940RJTD","1","SOVF01","EDZW","050938","","","JJXX","26094","0030/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","26094","1230/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","27094","0030/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","27094","1230/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","28094","0030/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","28094","1230/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","29094","0030/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","29094","1230/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","30094","0030/","15500","00620","","","SHIP","=","  
"0"  
"9410050940RJTD","0","SOVF01","EDZW","050938","","","JJXX","30094","1230/","15500","00620","","","SHIP","=","  
"1"  
"9410051009RJTD","1","SOVF01","EDZW","051006","","","NNXX","28094","1600/","15415","00738","2300/","15443","  
00617","DBBX","=","0"  
"9410051009RJTD","0","SOVF01","EDZW","051006","","","NNXX","29094","0100/","15450","00556","2300/","15624","  
00130","DBBX","=","0"  
"9410051009RJTD","0","SOVF01","EDZW","051006","","","NNXX","30094","0000/","15631","00113","0700/","75709","  
00031","DBBX","=","1"  
"9410051032RJTD","1","SOVF01","EDZW","051027","","","NNXX","30094","0800/","75713","00046","2300/","75912","  
00158","DBBX","=","0"  
"9410051032RJTD","0","SOVF01","EDZW","051027","","","NNXX","01104","0000/","75922","00159","2300/","76008","  
00244","DBBX","=","0"  
"9410051032RJTD","0","SOVF01","EDZW","051027","","","NNXX","02104","0000/","76002","00227","0700/","75927","  
00021","DBBX","=","1"  
"9410051040RJTD","1","SOVB10","RUHB","010000","","","KKXX","30094","0540/","15118","14331","","","UQHM","  
=","0"  
"9410051040RJTD","0","SOVB10","RUHB","010000","","","KKXX","30094","1130/","15118","14427","","","UQHM","  
=","0"  
"9410051040RJTD","0","SOVB10","RUHB","010000","","","KKXX","30094","1856/","15118","14541","","","UQHM","  
=","0"  
"9410051040RJTD","0","SOVB10","RUHB","010000","","","KKXX","30094","2150/","15118","14611","","","UQHM","  
=","1"  
"9410061047RJTD","1","SOVB10","RUHB","011200","","","KKXX","01104","1210/","15251","14534","","","UQHM","  
=","0"  
"9410061047RJTD","0","SOVB10","RUHB","011200","","","KKXX","01104","1748/","15251","14444","","","UQHM","  
=","0"  
"9410061047RJTD","0","SOVB10","RUHB","011200","","","KKXX","02104","0017/","15251","14335","","","UQHM","  
=","1"  
"9410061111RJTD","1","SOVB10","RUHB","071200","","","KKXX","07104","1230/","14622","14406","","","UQHM","  
=","0"  
"9410061111RJTD","0","SOVB10","RUHB","071200","","","KKXX","07104","1712/","14622","14434","","","UQHM","  
=","1"  
"9410061415RJTD","1","SOVF10","RUMS","010600","","","KKXX","01104","0000/","14440","03200","","","EOGW","  
=","1"  
"9410101330RJTD","1","SOVF10","RUMS","021200","","","KKXX","02104","1200/","14345","03130","","","EOGW","  
=","1"  
"9410101334RJTD","1","SOVF10","RUMS","030930","","","KKXX","03104","1200/","14421","03131","","","EOGW","  
=","1"  
"9410101358RJTD","1","SOVF10","RUMS","040600","","","KKXX","04104","0000/","14500","03130","","","EOGW","  
=","1"  
"9410101409RJTD","1","SOVF10","RUMS","051800","","","BBXX","02 2/","01 EO","W=","","EOGW","=","1"  
"9410101421RJTD","1","SOVF10","RUMS","061200","","","KKXX","06104","0840/","14427","03416","","","UZFA","  
=","1"  
"9410101430RJTD","1","SOVF10","RUMS","061200","","","KKXX","06104","1200/","14607","03040","","","EOGW","  
=","1"  
"9410110706RJTD","1","SOVF10","RUMS","070600","","","KKXX","07104","0000/","14508","03006","","","EOGW","  
=","1"

4. Constitution and structure of the information files

4.1 Information file README.TXT

No suggestion for the constitution and the structure of the file README.TXT is given. This file should be viewed or printed, not processed.

4.2 Information file LISTFIYY.TTT

A record should be created for each file include under the sub-directory.

Field	Field name	length	Comments
1	FILE_NAME	12	File name and extension

5. Format of presentation

5.1 DBASE format

If the analysis centre provides DBASE files, it is suggested that all fields are of the character type and none of the field is indexed as presented in the structure of each file.

5.2 ASCII format

The length of each field and of each record should adhere to the structure of the database. Each record must be in one line (one line for one record). Fields should preferably surrounded with quotes (") and separated by commas.

5.3 The raw data should preferably be sent to the WMO FTP server ([www.wmo.ch](http://www.wmo.ch)) under the sub-directory **GTS\_monitoring\SMM\To\_WMO\CCCCYYM** (CCCC being the location indicator of the pre-analysis centre, YY being the year (e.g 97) and M the month (i.e. 4 for April, 7 for July or A for October)) directly accessible by the analysis centres. The raw data can also be sent to the WMO Secretariat on 3.5 inches diskettes. With a view to reducing the number of diskettes, a compression code may be used; in this case the required decryption software should be provided to the Secretariat.

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