

WORLD METEOROLOGICAL ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC  
COMMISSION (OF UNESCO)

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JOINT WMO/IOC TECHNICAL COMMISSION FOR  
OCEANOGRAPHY AND MARINE METEOROLOGY (JCOMM)  
SHIP OBSERVATIONS TEAM

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SOT-IV/Doc. IV-4.5  
(15.II.2007)

FOURTH SESSION

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ITEM IV-4.5

GENEVA, SWITZERLAND, 16 TO 21 APRIL 2007

Original: ENGLISH

## **VOSP-V ISSUES FOR THE VOS**

### **VOS Communication Problems and Errors**

*(Submitted by Ms Sarah North, Chairperson of the JCOMM Task Team)*

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#### **Summary and purpose of document**

This document contains information on the type and range of data losses arising from Inmarsat transmissions sent by the VOS to the United Kingdom Met Office, using Goonhilly LES.

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#### **ACTION PROPOSED**

The VOS Panel is invited to note the issues raised in this document, and in particular to:

- (a) Consider the range and extent of coding/transmission problems being experienced;
- (b) Provide guidance on how to reduce the number of observations being rejected, as appropriate.

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- Appendices:**
- A. List of Rejected Observations between October 2006 and January 2007
  - B. Summary of Rejections between November 2006 and January 2007
  - C. Some examples of Incoming Messages that are Rejected

## DISCUSSION

1. The overwhelming majority of ship observations sent via Goonhilly Land Earth Station (LES) to the Met Office from manually reporting VOS are transmitted in the correct SHIP Code format. These observations are then ingested into the Met Office's Meteorological Database, and routed to other National Meteorological Services (NMSs) via the GTS, without any problems.
2. However, each month there are a substantial number of ship observations received via Goonhilly LES that are rejected by the UK MetOffice observation handler software, for a wide variety of reasons. Occasionally, it is possible to manually amend these observations and re-insert them on the GTS, but this depends on the type of transmission or coding error that has caused the observation to be rejected, and on the available resources in the Data Traffic Team.
3. These rejected observations currently amount to approximately 300 messages each month which, assuming costs of up to 1 Euro/observation, amounts to approx 3600 Euros/year. In addition to this wasted expenditure, one must also consider the loss of potentially valuable meteorological and climatological data.
4. A list of observations that were rejected by our observation handling systems between October 2006 and January 2007 is provided in **Appendix A**, for information and for consideration by the VOS Focal Points for the ships concerned. Ships are identified by callsign, or by Inmarsat number, where a call sign has not been included in the message. It should be noted that the most common causes of data rejection involved the following data formatting problems:-
  - a. BBXX or call sign not included in message;
  - b. Empty transmissions with no data;
  - c. Using 4 figure dew point groups;
  - d. Sending phenomena reports or other general messages via Special Access Code 41;
  - e. Variable group lengths (e.g., a 6 figure longitude group, and other 1,2,3,4 and 10 figure groups);
  - f. Using /'s between groups;
  - g. Late date/time groups;
  - h. Use of O instead of 0;
  - i. Using 6 figure date/time group (reporting month, day and hour, and omitting the wind indicator);
  - j. Using 7 figure date/time group, possibly month being added to beginning of group;
  - k. Message sent in Hex with no BBXX;
  - l. Adding an extra space in one of the 5 figure groups;
  - m. Using 6 and 4 figure groups and missing temperature and dew point group;
  - n. Putting in 6 figure groups (mainly extra / in the 8 group);
  - o. Missing out a space between 7 and 8 groups and adding a space in the 8 group (e.g., 7002289 ///);
  - p. Messages being received as 10 figure groups;
  - q. Invalid KKKK group added at end of message.

Unfortunately the Observations Handler software (which was introduced in 2005), is not currently able to deal with 10 figure groups or hexadecimal formatted reports that do not include BBXX. Any changes to the software need to be outsourced through a private company, and consequently incur a cost.

5. A breakdown of the different types of rejection experienced during the period of November 2006 and January 2007 is also attached for information in **Appendix B**. During this period, variable code group lengths accounted for the majority of the rejections. Some actual examples of rejected messages are also attached in **Appendix C** for information.

6. It is understood, but has yet to be confirmed, that other NMS that host Inmarsat LES may also be rejecting similar numbers of observations. Therefore, the SOT Members are invited to advise the extent of data rejections in their countries in order that a clearer assessment of the extent of the problem can be determined.
  7. The increased use of electronic logbook software such as TurboWin, and ship borne Automatic Weather Station software, should help to reduce the number of observations being rejected in the coming years. However, in the interim, it appears that the extent of the problem may warrant a system to relay the rejected observation information back to the National VOS Focal Points and PMOs in order that they can advise the ships concerned and rectify and persistent problems. This could be done by simply emailing the information on rejected observations to the VOS Focal Points, possibly using the JCOMMOPS mailing lists. Alternatively, it is understood that it may be possible for some NMS to set up the data processing software routines to automatically relay rejected messages back to the VOS recruiting country focal points.
  8. Therefore, the SOT Meeting is invited to provide guidance on how to reduce the number of observations being rejected due to transmission or coding errors, and to consider the best method to relay such rejected data back to VOS focal points.
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Appendices: 3

## APPENDIX A

## LIST OF REJECTED OBSERVATIONS BETWEEN OCTOBER 2006 AND JANUARY 2007

Month	Date/time received	Call sign	Telex number	Reason for rejection
Oct-06	27/0646	3ED16		Additional text added to message
Oct-06	31/1827	3ED16	437157910	Invalid date/time group
Nov-06	06/0617	3ED16	437157910	4 figure longitude group 3009
Nov-06	06/1834	3ED16	437157910	Invalid date/time group O instead of zero at start of group O6183
Nov-06	16/1942	3ED16	437157910	6 figure cloud group 86009/
Nov-06	18/1900	3ED16	437157910	4 figure cloud group 8163
Dec-06	05/1504	3ED16	437157910	Invalid 6 figure date/time group 051232
Dec-06	07/1418	3ED16	437157910	Invalid 6 figure date/time group 071232
Dec-06	22/1355	3ED16	437157910	Invalid 6 figure cloud group 871111 possible extra 1
Jan-07	14/1752	3ED16	437157910	Invalid latitude group 92249
Jan-07	05/1150	4XFB	442806810	Invalid 6 figure group 780// possible extra / added
Oct-06	07/0542	4XFC	442807010	6 figure latitude group extra N added and 6 figure group
Dec-06	23/0608	4XFC		Extra 5 figure group added 30612 before date/time group
Dec-06	02/0753	4XFD	442807210	Invalid 6 figure date/time group 020003 possible extra zero added
Dec-06	31/2344	4XFD		Extra 5 figure group added 30701 before date/time group
Jan-07	16/0003	4XFE	442807610	Invalid 6 figure group 041597 and extra call sign at end of message 4XFE
Jan-07	16/1228	4XFE	442807610	Invalid 6 figure group 043697
Jan-07	17/0010	4XFE	442807610	Invalid 6 figure group 043998
Jan-07	17/1215	4XFE	442807610	Invalid 6 figure group 043997
Jan-07	30/1746	4XFE		Missing 5 figure group
Dec-06	24/0128	4XFP		Extra 5 figure group added 30612 before date/time group
Oct-06	21/1816	9HAB8		Missing temperature group
Nov-06	17/0602	9HAB8	421577310	6 figure cloud group 87272/
Nov-06	22/0633	9HAB8	421577310	6 figure temperature group 102984
Jan-07	12/2351	9HAB8	421577310	Invalid 6 figure cloud group 8312//
Jan-07	14/2353	9HBG8		Missing temperature and dew point groups
Jan-07	15/1753	9HBG8		Missing temperature and dew point groups and invalid KKKK group
Dec-06	08/1853	9HDX6		Invalid extra group 30612 added before date/time group
Dec-06	21/0342	A8CJ2		Missing temperature and dew point groups
Jan-07	11/0908	A8DU3	463791070	Late date/time group 01064
Nov-06	29/1912	A8FZ5	463790177	Invalid date/time group 12918
Jan-07	01/0755	A8FZ5	463790177	Invalid 6 figure date/time group 010106 seems to be month, day and hour
Jan-07	01/1846	A8FZ5	463790177	Invalid 7 figure date/time group 0101184 seems to have month added
Jan-07	02/0745	A8FZ5	463790177	Invalid 7 figure date/time group 0102064 seems to have month added
Jan-07	02/1907	A8FZ5	463790177	Invalid 7 figure date/time group 0102184 seems to have month added
Jan-07	03/0710	A8FZ5	463790177	Invalid 7 figure date/time group 0103064 seems to have month added
Jan-07	03/1905	A8FZ5	463790177	Invalid 7 figure date/time group 0103064 seems to have month added
Jan-07	20/1810	A8FZ5	463790177	Invalid 7 figure date/time group 0120184 possible month added to group
Jan-07	21/0610	A8FZ5	463790177	Invalid 7 figure date/time group 0121064 possible month added to group
Jan-07	21/1809	A8FZ5	463790177	Invalid 7 figure date/time group 0121184 possible month added to group
Jan-07	22/0645	A8FZ5	463790177	Invalid 7 figure date/time group 0122064 possible month added to group
Jan-07	22/1822	A8FZ5	463790177	Invalid 7 figure date/time group 0122184 possible month added to group
Jan-07	23/0727	A8FZ5	463790177	Invalid 7 figure date/time group 0123064 possible month added to group
Jan-07	23/1832	A8FZ5	463790177	Invalid 7 figure date/time group 0123184 possible month added to group
Jan-07	24/0633	A8FZ5	463790177	Invalid 7 figure date/time group 0124064 possible month added to group
Jan-07	24/1828	A8FZ5	463790177	Invalid 7 figure date/time group 0124184 possible month added to group
Oct-06	30/0631	A8IS6	463791168	6 figure group
Nov-06	24/2003	A8IS6	463791168	4 figure group 4010
Nov-06	25/0809	A8IS6		Missing longitude group
Nov-06	26/2009	A8IS6	463791168	6 figure group 514404
Dec-06	19/0824	A8IS6	463791168	Invalid 6 figure temperature group 102102 possible extra zero added, extra text added
Dec-06	22/0914	A8IS6	463791168	Invalid 4 figure temperature group 0266
Dec-06	30/0752	A8IS6	463791168	Invalid 4 figure group 5100
Jan-07	15/1431	A8IS6	463791168	Invalid 7 figure date/time group 0115084 possible month added to group
Jan-07	15/1950	A8IS6	463791168	Invalid 7 figure date/time group 0115194 possible month added to group
Jan-07	16/0838	A8IS6	463791168	Invalid 7 figure date/time group 0116084 possible month added to group
Jan-07	17/1119	A8IS6	463791168	Invalid 7 figure date/time group 0117114 possible month added to group
Jan-07	19/0846	A8IS6	463791168	Invalid 7 figure date/time group 0119084 possible month added to group
Jan-07	20/2025	A8IS6	463791168	Invalid 7 figure date/time group 0120204 possible month added to group
Jan-07	22/0853	A8IS6	463791168	Invalid 7 figure date/time group 0122094 possible month added to group
Jan-07	24/0933	A8IS6	463791168	Invalid 7 figure date/time group 0124094 possible month added to group
Oct-06	04/1208	AMAZ	423590332	Invalid format
Oct-06	04/1801	AMAZ	423590332	Invalid format
Oct-06	05/0005	AMAZ	423590332	Invalid format
Oct-06	05/0603	AMAZ	423590332	Invalid format
Oct-06	05/1211	AMAZ	423590332	Invalid format
Oct-06	05/1811	AMAZ	423590332	Invalid format
Oct-06	06/0017	AMAZ	423590332	Invalid format
Oct-06	06/0616	AMAZ	423590332	Invalid format
Oct-06	06/1215	AMAZ	423590332	Invalid format
Oct-06	07/0020	AMAZ	423590332	Invalid format
Oct-06	07/0619	AMAZ	423590332	Invalid format
Oct-06	07/1816	AMAZ	423590332	Invalid format
Oct-06	08/0018	AMAZ	423590332	Invalid format
Oct-06	08/0615	AMAZ	423590332	Invalid format
Oct-06	08/1213	AMAZ	423590332	Invalid format
Oct-06	08/1814	AMAZ	423590332	Invalid format
Oct-06	09/0020	AMAZ	423590332	Invalid format
Oct-06	09/0613	AMAZ	423590332	Invalid format
Oct-06	09/1221	AMAZ	423590332	Invalid format
Oct-06	09/1816	AMAZ	423590332	Invalid format
Oct-06	10/0017	AMAZ	423590332	Invalid format
Oct-06	10/0612	AMAZ	423590332	Invalid format
Oct-06	10/1228	AMAZ	423590332	Invalid format
Oct-06	10/1816	AMAZ	423590332	Invalid format
Oct-06	11/0025	AMAZ	423590332	Invalid format
Oct-06	11/0614	AMAZ	423590332	Invalid format
Oct-06	11/1230	AMAZ	423590332	Invalid format
Oct-06	11/1814	AMAZ	423590332	Invalid format
Oct-06	12/0029	AMAZ	423590332	Invalid format
Oct-06	12/1209	AMAZ	423590332	Invalid format
Oct-06	12/1817	AMAZ	423590332	Invalid format

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Oct-06	13/0008	AMAZ	423590332	Invalid format
Oct-06	13/1230	AMAZ	423590332	Invalid format
Oct-06	14/1214	AMAZ	423590332	Invalid format
Oct-06	14/1811	AMAZ	423590332	Invalid format
Oct-06	15/0030	AMAZ	423590332	Invalid format
Oct-06	15/1221	AMAZ	423590332	Invalid format
Oct-06	15/1809	AMAZ	423590332	Invalid format
Oct-06	16/0040	AMAZ	423590332	Invalid format
Oct-06	16/0622	AMAZ	423590332	Invalid format
Oct-06	16/1241	AMAZ	423590332	Invalid format
Oct-06	16/1817	AMAZ	423590332	Invalid format
Oct-06	17/0718	AMAZ	423590332	Invalid format
Oct-06	17/0929	AMAZ	423590332	Invalid format
Oct-06	17/1206	AMAZ	423590332	Invalid format
Oct-06	17/2031	AMAZ	423590332	Invalid format
Oct-06	18/0009	AMAZ	423590332	Invalid format
Oct-06	18/0610	AMAZ	423590332	Invalid format
Oct-06	18/1221	AMAZ	423590332	Invalid format
Oct-06	18/1807	AMAZ	423590332	Invalid format
Oct-06	19/0031	AMAZ	423590332	Invalid format
Oct-06	19/0624	AMAZ	423590332	Invalid format
Oct-06	19/1216	AMAZ	423590332	Invalid format
Oct-06	19/1812	AMAZ	423590332	Invalid format
Oct-06	20/0008	AMAZ	423590332	Invalid format
Oct-06	20/0649	AMAZ	423590332	Invalid format
Oct-06	20/1213	AMAZ	423590332	Invalid format
Oct-06	20/1816	AMAZ	423590332	Invalid format
Oct-06	21/0015	AMAZ	423590332	Invalid format
Oct-06	21/1208	AMAZ	423590332	Invalid format
Oct-06	22/0009	AMAZ	423590332	Invalid format
Oct-06	22/0653	AMAZ	423590332	Invalid format
Oct-06	22/1204	AMAZ	423590332	Invalid format
Oct-06	22/1815	AMAZ	423590332	Invalid format
Oct-06	23/0003	AMAZ	423590332	Invalid format
Oct-06	23/0615	AMAZ	423590332	Invalid format
Oct-06	23/1204	AMAZ	423590332	Invalid format
Oct-06	31/0552	AMAZ	423590332	Invalid format
Oct-06	31/1151	AMAZ	423590332	Invalid format
Oct-06	31/1746	AMAZ	423590332	Invalid format
Nov-06	01/0548	AMAZ	423590332	Invalid format no BBXX
Nov-06	01/1157	AMAZ	423590332	Invalid format no BBXX
Nov-06	01/1747	AMAZ	423590332	Invalid format no BBXX
Nov-06	01/2357	AMAZ	423590332	Invalid format no BBXX
Nov-06	02/0546	AMAZ	423590332	Invalid format no BBXX
Nov-06	02/1207	AMAZ	423590332	Invalid format no BBXX
Nov-06	02/1732	AMAZ	423590332	Invalid format no BBXX
Nov-06	03/0027	AMAZ	423590332	Invalid format no BBXX
Nov-06	03/0543	AMAZ	423590332	Invalid format no BBXX
Nov-06	03/1154	AMAZ	423590332	Invalid format no BBXX
Nov-06	03/1743	AMAZ	423590332	Invalid format no BBXX
Nov-06	04/0023	AMAZ	423590332	Invalid format no BBXX
Nov-06	04/0533	AMAZ	423590332	Invalid format no BBXX
Nov-06	27/1834	AMAZ	423590332	Message sent no data
Dec-06	28/0529	AMAZ	423590332	Empty transmission
Oct-06	27/0248	AMET	492341430	Late date/time group
Oct-06	27/0617	AMET	492341430	Late date/time group
Oct-06	27/0921	AMET	492341430	Late date/time group
Oct-06	27/1306	AMET	492341430	Late date/time group
Oct-06	27/1554	AMET	492341430	Late date/time group
Oct-06	27/1913	AMET	492341430	Late date/time group
Oct-06	27/2227	AMET	492341430	Late date/time group
Oct-06	28/0144	AMET	492341430	Late date/time group
Oct-06	28/0501	AMET	492341430	Late date/time group
Oct-06	28/0817	AMET	492341430	Late date/time group
Oct-06	28/1134	AMET	492341430	Late date/time group
Oct-06	28/1451	AMET	492341430	Late date/time group
Oct-06	28/1823	AMET	492341430	Late date/time group
Oct-06	28/2124	AMET	492341430	Late date/time group
Oct-06	29/0042	AMET	492341430	Late date/time group
Oct-06	29/0357	AMET	492341430	Late date/time group
Oct-06	29/0714	AMET	492341430	Late date/time group
Oct-06	29/1030	AMET	492341430	Late date/time group
Oct-06	29/1347	AMET	492341430	Late date/time group
Oct-06	29/1703	AMET	492341430	Late date/time group
Oct-06	29/2020	AMET	492341430	Late date/time group
Oct-06	29/2336	AMET	492341430	Late date/time group
Oct-06	30/0253	AMET	492341430	Late date/time group
Oct-06	30/0630	AMET	492341430	Late date/time group
Oct-06	30/0926	AMET	492341430	Late date/time group
Oct-06	30/1249	AMET	492341430	Late date/time group
Oct-06	30/1600	AMET	492341430	Late date/time group
Oct-06	30/1916	AMET	492341430	Late date/time group
Oct-06	30/2233	AMET	492341430	Late date/time group
Oct-06	31/0149	AMET	492341430	Late date/time group
Oct-06	31/0506	AMET	492341430	Late date/time group
Oct-06	31/0822	AMET	492341430	Late date/time group
Oct-06	31/1139	AMET	492341430	Late date/time group
Oct-06	31/1456	AMET	492341430	Late date/time group
Oct-06	31/1824	AMET	492341430	Late date/time group
Oct-06	31/2129	AMET	492341430	Late date/time group
Nov-06	01/0046	AMET	492341430	Late date/time group 25200
Nov-06	01/0402	AMET	492341430	Late date/time group 25200
Nov-06	01/0719	AMET	492341430	Late date/time group 25200
Nov-06	01/1035	AMET	492341430	Late date/time group 25200
Nov-06	01/1354	AMET	492341430	Late date/time group 25200
Nov-06	01/1709	AMET	492341430	Late date/time group 25200
Nov-06	01/2025	AMET	492341430	Late date/time group 25200
Nov-06	01/2342	AMET	492341430	Late date/time group 25200
Nov-06	02/0258	AMET	492341430	Late date/time group 25200
Nov-06	02/0623	AMET	492341430	Late date/time group 25200
Nov-06	02/0931	AMET	492341430	Late date/time group 25200
Nov-06	02/1252	AMET	492341430	Late date/time group 25200
Nov-06	02/1605	AMET	492341430	Late date/time group 25200
Nov-06	02/1922	AMET	492341430	Late date/time group 25200



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Nov-06	18/0329	AMET	492341430	Late date/time group 25200
Nov-06	18/0709	AMET	492341430	Late date/time group 25200
Nov-06	18/0805	AMET	492341430	Late date/time group 25200
Nov-06	18/1416	AMET	492341430	Late date/time group 25200
Nov-06	18/1918	AMET	492341430	Late date/time group 25200
Nov-06	18/2241	AMET	492341430	Late date/time group 25200
Nov-06	19/0245	AMET	492341430	Late date/time group 25200
Nov-06	19/0627	AMET	492341430	Late date/time group 25200
Nov-06	19/1153	AMET	492341430	Late date/time group 25200
Nov-06	19/1812	AMET	492341430	Late date/time group 25200
Nov-06	20/0038	AMET	492341430	Late date/time group 25200
Nov-06	20/0638	AMET	492341430	Late date/time group 25200
Nov-06	20/1054	AMET	492341430	Late date/time group 25200
Nov-06	20/1313	AMET	492341430	Late date/time group 25200
Nov-06	20/1649	AMET	492341430	Late date/time group 25200
Nov-06	20/1739	AMET	492341430	Late date/time group 25200
Nov-06	20/2140	AMET	492341430	Late date/time group 25200
Nov-06	20/2307	AMET	492341430	Late date/time group 25200
Nov-06	21/0440	AMET	492341430	Late date/time group 25200
Nov-06	21/0515	AMET	492341430	Late date/time group 25200
Nov-06	21/1538	AMET	492341430	Late date/time group 25200
Nov-06	21/1812	AMET	492341430	Late date/time group 25200
Nov-06	21/2005	AMET	492341430	Late date/time group 25200
Nov-06	22/0028	AMET	492341430	Late date/time group 25200
Nov-06	22/0109	AMET	492341430	Late date/time group 25200
Nov-06	22/0453	AMET	492341430	Late date/time group 25200
Nov-06	22/0514	AMET	492341430	Late date/time group 25200
Nov-06	22/1027	AMET	492341430	Late date/time group 25200
Nov-06	22/1121	AMET	492341430	Late date/time group 25200
Nov-06	22/1428	AMET	492341430	Late date/time group 25200
Nov-06	22/1745	AMET	492341430	Late date/time group 25200
Nov-06	22/2102	AMET	492341430	Late date/time group 25200
Nov-06	23/0038	AMET	492341430	Late date/time group 25200
Nov-06	23/0335	AMET	492341430	Late date/time group 25200
Nov-06	23/0747	AMET	492341430	Late date/time group 25200
Nov-06	23/1008	AMET	492341430	Late date/time group 25200
Nov-06	23/1325	AMET	492341430	Late date/time group 25200
Oct-06	08/1201	ARKH	421055611	Message sent no data
Oct-06	03/1645	ASAP	492388011	Empty transmission
Oct-06	12/1100	ASAP	492388011	Empty transmission
Nov-06	13/1046	ASAP	492388015	Empty transmission
Dec-06	04/1221	ASAP	492388011	Empty transmission
Dec-06	04/1223	ASAP	492388011	Empty transmission
Jan-07	02/2005	ATSF	441905010	Invalid 6 figure longitude group 106032 and extra text added
Oct-06	19/1804	BATO	422800468	Late date/time group
Oct-06	19/2102	BATO	422800468	Late date/time group
Oct-06	20/0005	BATO	422800468	Late date/time group
Oct-06	20/0302	BATO	422800468	Late date/time group
Oct-06	20/0612	BATO	422800468	Late date/time group
Oct-06	20/0902	BATO	422800468	Late date/time group
Dec-06	03/0653	BEAG	423216810	Empty transmission
Jan-07	23/1809	BINN	423563020	Empty transmission
Jan-07	24/1250	BPRI	423511520	Empty transmission
Oct-06	27/1427	BULK	463790835	Message sent no data
Oct-06	27/1912	BULK	463790835	Message sent no data
Oct-06	27/1925	BULK	463790835	Message sent no data
Nov-06	02/1244	BULK	463790835	Message sent no data
Nov-06	07/0915	BULK	463790835	Message sent no data
Nov-06	09/1151	BULK	463790835	Message sent no data
Nov-06	23/1828	BULK	463790835	Message sent no data
Nov-06	24/1528	BULK	463790835	Message sent no data
Nov-06	27/0455	BULK	463790835	Message sent no data
Nov-06	28/0857	BULK	463790835	Message sent no data
Nov-06	28/1001	BULK	463790835	Message sent no data
Nov-06	28/1302	BULK	463790835	Message sent no data
Nov-06	28/1307	BULK	463790835	Message sent no data
Nov-06	29/0724	BXX		Extra 5 figure group ///5 before date/time group odd call sign BXX
Dec-06	30/0759	BXX		Extra 5 figure group ///6 before date/time group
Oct-06	27/1240	C60T4	430982310	4 figure group
Oct-06	03/1830	C6CU6		1 figure group
Jan-07	19/0115	C6CU6		Missing temperature and dew point groups
Oct-06	13/2341	C6FE5	430887210	6 figure group and extra 00/// group
Dec-06	13/1301	C6FE6	430817710	Invalid 4 figure dew point group 2025
Dec-06	14/0046	C6FE6	430817710	Invalid 4 figure dew point group 2026
Dec-06	14/1219	C6FE6	430817710	Invalid 4 figure dew point group 2026
Nov-06	14/2007	C6FU3	431130910	7 figure longitude group 700704
Nov-06	14/2014	C6FU3	431130910	7 figure longitude group 700704 Duplicate
Nov-06	14/2020	C6FU3	431130910	7 figure longitude group 700704 Duplicate
Oct-06	19/1246	C6HU6	430879710	6 figure latitude group and 6 figure cloud group
Oct-06	28/1147	C6HU6	430879710	Invalid 6 figure date/time group
Nov-06	03/1747	C6HU6	430879710	Invalid 6 figure date/time group 030183 possible extra zero added
Nov-06	07/1802	C6HU6	430879710	6 figure latitude group 991166
Dec-06	27/1749	C6IO9	430852711	Late date/time group 31184
Oct-06	16/1235	C6JE5	430800327	6 figure date/time group
Dec-06	05/1030	C6KD5	430843810	Invalid 6 figure group 560505
Dec-06	06/1412	C6KD5	430843810	Invalid 4 figure group 0135
Dec-06	14/1832	C6KD5	430843810	Late date/time group 12183
Dec-06	15/0119	C6KD5	430843810	Late date/time group 12003
Dec-06	15/0646	C6KD5	430843810	Late date/time group 12063
Dec-06	16/0555	C6KD5	430843810	Invalid 6 figure group 345313
Dec-06	16/1319	C6KD5	430843810	Invalid 7 figure group 8044112
Oct-06	31/0631	C6KD8	430809010	4 figure group
Oct-06	31/1206	C6KD8	430809010	4 figure group
Dec-06	15/1322	C6KD8		Missing temperature and dew point groups
Jan-07	22/1323	C6KD9	430812410	Invalid 10 figure group, missing space between date/time group and latitude group 2212099322
Oct-06	21/0958	C6KU8	430800423	4 figure group
Oct-06	03/0028	C6KV2	430921310	Late date/time group
Oct-06	03/1144	C6KV2	430921310	Late date/time group
Dec-06	24/0814	C6NR5	430949710	Invalid 6 figure latitude group 991177 and 4 figure groups 8///, ///
Jan-07	10/0619	C6NR5	430949710	Invalid 6 figure group 558011
Nov-06	17/0047	C6OT4	430982310	6 figure group 414497
Nov-06	24/0035	C6OT4	430982310	6 figure group 401113
Nov-06	16/1316	C6OX6	430990810	Late date/time group 06001
Nov-06	23/1218	C6QE3	430841110	Invalid 6 figure date/time group 230043 extra 0 in group

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Nov-06	25/0816	C6QY4	430933510	4 figure longitude group 3163
Jan-07	12/2350	C6SD9		Missing temperature and dew point groups
Nov-06	15/0205	C6UG4	431190520	Missing date/time group
Nov-06	15/0742	C6UG4	431190520	Missing date/time group
Nov-06	15/0832	C6UG4	431190520	Missing date/time group
Nov-06	28/0146	C6UG4		Missing 5 figure group
Nov-06	01/2110	CANM	421137725	Empty transmission
Nov-06	01/2114	CANM	421137725	Empty transmission
Nov-06	01/2119	CANM	421137725	Empty transmission
Nov-06	01/2123	CANM	421137725	Empty transmission
Nov-06	23/1321	CDE3	431037010	Invalid format, no BBXX, /s between groups, 7 figure latitude group, no longitude group
Dec-06	17/1258	CHEP	430800333	Invalid format no BBXX, 4 figure date/time 1712, dew point group 21 12, 10 figure group 1881516830
Dec-06	22/1456	COND	430623720	Invalid message format no data
Dec-06	31/1944	CSRK	423218410	Empty transmission
Dec-06	24/0010	DABH		Missing longitude group
Oct-06	25/0726	DALE	463791168	Invalid format
Oct-06	26/1636	DALE	463791168	Late date/time group
Oct-06	26/2005	DALE	463791168	Empty transmission
Oct-06	30/1242	DALL	463695892	Message in Hex
Dec-06	02/0054	DAQZ	421139424	Empty transmission
Oct-06	12/0439	DBBH	421176910	Invalid latitude and longitude groups
Oct-06	24/0251	DBBH	421176910	Message sent with no data
Oct-06	30/0410	DBBH	421176910	Very little data
Oct-06	31/0354	DBBH	421176910	Very little data
Nov-06	20/1355	DBBH	421176910	Message with very little data
Oct-06	14/1101	DCAW2	421172310	6 figure date/time group
Oct-06	15/1240	DCAW2	421172310	6 figure date/time group
Oct-06	16/1300	DCAW2	421172310	6 figure date/time group
Oct-06	17/1257	DCAW2	421172310	6 figure date/time group
Oct-06	18/1456	DCAW2	421172310	6 figure date/time group
Oct-06	19/1434	DCAW2	421172310	6 figure date/time group
Oct-06	20/1542	DCAW2	421172310	Late 6 figure date/time group
Oct-06	21/1751	DCAW2	421172310	Late 6 figure date/time group
Oct-06	22/1703	DCAW2	421172310	Late 6 figure date/time group
Dec-06	10/1756	DCAW2	421172310	Invalid 6 figure date/time group 121016 seems to month, day and hour
Dec-06	11/1621	DCAW2	421172310	Invalid 6 figure date/time group 121116 seems to be month, day and hour
Dec-06	12/1639	DCAW2	421172310	Invalid 6 figure date/time group 121215 seems to be month, day and hour
Dec-06	13/1501	DCAW2	421172310	Invalid 6 figure date/time group 121314 seems to be month, day and hour
Dec-06	14/1936	DCAW2	421172310	Invalid 6 figure date/time group 121414 seems to be month, day and hour
Dec-06	15/1517	DCAW2	421172310	Invalid 6 figure date/time group 121514 seems to be month, day and hour
Dec-06	16/1550	DCAW2	421172310	Invalid 6 figure date/time group 121614 seems to be month, day and hour
Dec-06	17/1533	DCAW2	421172310	Invalid 6 figure date/time group 121714 seems to be month, day and hour
Dec-06	18/1528	DCAW2	421172310	Invalid 6 figure date/time group 121813 seems to be month, day and hour
Jan-07	12/2309	DCAW2	421172310	Invalid 6 figure date/time group 011213
Jan-07	13/2350	DCAW2	421172310	Invalid 6 figure date/time group 011315
Jan-07	15/0037	DCAW2	421172310	Invalid 6 figure date/time group 011415
Jan-07	15/1625	DCAW2	421172310	Invalid 6 figure date/time group 011513
Jan-07	17/1528	DCAW2	421172310	Invalid 6 figure date/time group 011714
Jan-07	18/1434	DCAW2	421172310	Invalid 6 figure date/time group 011814
Jan-07	19/1538	DCAW2	421172310	Invalid 6 figure date/time group 011915
Jan-07	20/1642	DCAW2	421172310	Invalid 6 figure date/time group 012015
Jan-07	22/1814	DCAW2	421172310	Invalid 6 figure date/time group 012218
Nov-06	29/1508	DCRN2		Missing temperature and dew point groups
Dec-06	05/0647	DCRN2		Missing temperature and dew point groups
Nov-06	20/0025	DDFD2		Missing temperature and dew point groups
Dec-06	14/1753	DDSD2		Missing temperature and dew point groups
Oct-06	10/1655	DDWW	421136796	Empty transmission
Oct-06	10/1744	DDWW	421136796	Empty transmission
Oct-06	25/1355	DDWW	421136796	Empty transmission
Oct-06	25/1359	DDWW	421136796	Empty transmission
Oct-06	25/1420	DDWW	421136796	Empty transmission
Oct-06	25/1423	DDWW	421136796	Empty transmission
Oct-06	25/1426	DDWW	421136796	Empty transmission
Oct-06	25/1426	DDWW	421136796	Empty transmission
Nov-06	27/1015	DDWW	421136796	Empty transmission
Nov-06	27/1016	DDWW	421136796	Empty transmission
Nov-06	27/1414	DDWW	421136796	Empty transmission
Nov-06	27/1418	DDWW	421136796	Empty transmission
Nov-06	27/1435	DDWW	421136796	Empty transmission
Nov-06	27/1439	DDWW	421136796	Empty transmission
Jan-07	27/0013	DEHZ		Missing temperature and dew point groups
Nov-06	29/1326	DEIR	421179410	6 figure group and extra spaces in groups 318 // 5 ///
Nov-06	26/0002	DENE	424715911	Message sent no data
Dec-06	05/0441	DGZK	421126631	Empty transmission
Dec-06	05/0456	DGZK	421126631	Empty transmission
Oct-06	13/0655	DHKW	421126336	Empty transmission
Jan-07	09/1758	DPKZ	421142910	Invalid 7 figure date/time group 0109183 possible month added
Jan-07	09/1809	DPKZ	421142910	Invalid 7 figure date/time group 0109183 possible month added duplicate
Jan-07	09/1827	DPKZ	421142910	Invalid 7 figure date/time group 0109183 possible month added second duplicate
Dec-06	15/1807	DPSQ	421139115	Message in hex no BBXX
Jan-07	24/1312	DPTL	421111310	Empty transmission
Oct-06	22/0018	DQVH		Missing temperature and dew point groups
Dec-06	18/0042	E5U2124		Missing temperature and dew point groups
Dec-06	21/1944	E5U2124	451817310	Invalid 7 figure group 49991//
Jan-07	21/0657	E5U2124	451817310	Invalid latitude group 93131 should start with 99
Jan-07	21/1305	E5U2124	451817310	Invalid latitude group 93140 should start with 99
Nov-06	14/0302	EBUQ	422473140	Empty transmission
Nov-06	17/1950	EBUQ	422473140	Empty transmission
Nov-06	17/2116	EBUQ	422473140	Empty transmission
Nov-06	18/0005	EBUQ	422473140	Empty transmission
Nov-06	18/0044	EBUQ	422473140	Empty transmission
Nov-06	18/0133	EBUQ	422473140	Empty transmission
Nov-06	18/0156	EBUQ	422473140	Empty transmission
Nov-06	18/0236	EBUQ	422473140	Empty transmission
Dec-06	01/1919	ELOV9		Missing temperature and dew point groups
Nov-06	07/2351	ELRJ3		Missing temperature and dew point groups
Dec-06	14/1341	ELSU4		Missing temperature and dew point groups
Dec-06	15/0053	ELSU4		Missing temperature and dew point groups
Dec-06	18/1914	ELSU4		Missing temperature and dew point groups
Dec-06	04/1002	ELTS6	463664410	Invalid 4 figure cloud group 8///
Dec-06	04/1041	ELTS6	463664410	Invalid 4 figure cloud group 8///
Dec-06	04/1400	ELTS6	463664410	Invalid 7 figure group 2227362
Oct-06	25/0745	ELVF5	463670621	Invalid 6 figure date/time group
Oct-06	26/0756	ELVF5	463670621	Invalid 6 figure date/time group



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Oct-06	26/1709	ELVF5		Missing temperature and dew point groups
Nov-06	04/0603	EMDE	463790866	Empty transmission
Oct-06	16/1238	EVCO	453846882	Empty transmission
Oct-06	25/0129	GATE	423557510	Empty transmission
Oct-06	25/1345	GATE	423557510	Empty transmission
Oct-06	26/1322	GATE	423557510	Empty transmission
Oct-06	27/0036	GATE	423557510	Empty transmission
Nov-06	15/1456	GATE	423557510	Empty transmission
Nov-06	13/0556	GBSN		Missing temperature and dew point groups
Nov-06	20/1152	GBSN	423320120	Empty transmission
Oct-06	02/1743	GBTT	423208910	Late date/time group
Dec-06	08/1144	GBTT		Invalid temperature group failed 1SnTTT test2 10723
Oct-06	10/1827	GERM	463684129	Empty transmission
Oct-06	11/0026	GERM	463684129	Empty transmission
Dec-06	01/0153	GERM	463684129	Empty transmission
Nov-06	15/1153	GJMP	423231612	Late date/time group 13123
Oct-06	16/1145	GLNE	423388210	Message sent no data
Oct-06	27/2338	GLNE		Missing temperature and dew point groups
Oct-06	20/0624	GNDR	441905010	Message in Hex
Dec-06	02/1458	GNDR	441905010	Message in hex no BBXX
Dec-06	02/1517	GNDR	441905010	Message in hex no BBXX
Dec-06	06/2029	GNDR	441905010	Message in hex no BBXX
Nov-06	11/1245	GUTE		Missing group before temperature group
Oct-06	22/1336	GYHN	423499017	Most of message in 10 figure groups
Oct-06	22/1453	GYHN	423499017	All of message in 10 figure groups
Dec-06	17/0737	H3VT	435423712	Message in hex no BBXX
Dec-06	17/1822	H3VT	435423712	Message in hex no BBXX
Dec-06	17/1923	H3VT	435423712	Message in hex no BBXX
Dec-06	18/0659	H3VT	435423712	Message in hex no BBXX
Dec-06	19/0627	H3VT	435423712	Message in hex no BBXX
Dec-06	19/0656	H3VT	435423712	Message in hex no BBXX
Dec-06	21/0746	H3VT	435423712	Message in hex no BBXX
Dec-06	22/0645	H3VT	435423712	Message in hex no BBXX
Dec-06	23/0657	H3VT	435423712	Message in hex no BBXX
Dec-06	23/1919	H3VT	435423712	Message in hex no BBXX
Dec-06	24/0612	H3VT	435423712	Message in hex no BBXX
Dec-06	24/1909	H3VT	435423712	Message in hex no BBXX
Dec-06	25/1846	H3VT	435423712	Message in hex no BBXX
Dec-06	26/0638	H3VT	435423712	Message in hex no BBXX
Dec-06	27/0715	H3VT	435423712	Message in hex no BBXX
Dec-06	27/1906	H3VT	435423712	Message in hex no BBXX
Dec-06	28/0702	H3VT	435423712	Message in hex no BBXX
Dec-06	28/1808	H3VT	435423712	Message in hex no BBXX
Dec-06	29/0702	H3VT	435423712	Message in hex no BBXX
Dec-06	30/0643	H3VT	435423712	Message in hex no BBXX
Dec-06	31/0704	H3VT	435423712	Message in hex no BBXX
Jan-07	28/2355	H3VT	435423712	Message in hex, no BBXX
Jan-07	29/1208	H3VT	435423712	Message in hex, no BBXX
Nov-06	14/0601	H3VU	435421510	All of message in 10 figure groups
Nov-06	14/1326	H3VU	435421510	All of message in 10 figure groups
Nov-06	14/1845	H3VU	435421520	All of message in 10 figure groups
Dec-06	18/1753	H3VU	435421510	Message in 10 figure groups
Jan-07	08/1838	H3VU	435421520	Invalid format message in 10 figure groups
Jan-07	09/1825	H3VU	435421520	Invalid format message in 10 figure groups
Oct-06	02/2246	HADW	421137367	Empty transmission
Oct-06	10/1040	HADW	421137368	Empty transmission
Oct-06	23/1702	HADW	421137367	Message sent no data
Nov-06	09/1054	HADW	421137367	Empty transmission
Nov-06	09/1728	HADW	421137367	Empty transmission
Dec-06	18/0719	HSVT	435423712	Message in hex no BBXX
Oct-06	05/0632	HZGH	440327010	4 figure pressure group
Oct-06	05/0635	HZGH	440327010	4 figure pressure group
Nov-06	06/1845	HZGH	440327020	Invalid date/time group 00183 should be 06183
Nov-06	09/1241	HZGH	440327020	Late date/time group 11093
Dec-06	13/0044	HZGH	440327020	Invalid 6 figure group 540000 , possible extra 0 added
Oct-06	18/1946	ISIS	424600220	Message sent no data
Nov-06	24/1901	J8B2592		Extra group 30611 before date/time group
Jan-07	05/1545	JAEG	431110410	Message sent no data
Oct-06	28/0054	LADY	425984120	Empty transmission
Jan-07	27/2012	LADY	425984120	Empty transmission
Nov-06	23/1202	LAGB5		Missing 5 figure group
Oct-06	08/0604	LAI P5	425995810	Invalid date/time group
Nov-06	28/1338	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2
Nov-06	29/0114	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2
Nov-06	29/1325	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2
Nov-06	30/0315	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2
Nov-06	30/0318	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2 duplicate
Nov-06	30/1442	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2
Dec-06	01/0215	LAI P5	425995810	4 and 1 figure groups extra space added 7022 2
Oct-06	30/1242	LEVA	421544010	Empty transmission
Jan-07	10/2357	LEVA	421544010	Empty transmission
Jan-07	22/1216	LEVA	421544010	Empty transmission
Jan-07	24/2112	LEVA	421544010	Empty transmission
Jan-07	27/0918	LEVA	421544010	Empty transmission
Dec-06	28/1232	LIMA	453336210	Message in hex no BBXX
Dec-06	29/0048	LIMA	453336210	Message in hex no BBXX
Nov-06	13/0631	LOAN	421142320	Empty transmission
Dec-06	30/1917	LUCI	463791031	Message sent no data
Oct-06	15/1109	LYAP	421056110	Message sent no data
Jan-07	28/1744	MAHG5	423570710	Late date/time group 25184,missing cloud group plus duplicate group 70222
Dec-06	14/1340	MBEA	463699820	Empty transmission
Dec-06	17/0654	MBEA	463699820	Empty transmission
Dec-06	17/0656	MBEA	463699820	Empty transmission
Dec-06	09/0312	MCCW7		Missing temperature and dew point groups
Nov-06	21/1602	MELF	421137727	Empty transmission
Nov-06	21/1604	MELF	421137727	Empty transmission
Oct-06	05/1649	METH	492349065	Empty transmission
Oct-06	06/1052	METH	492349065	Empty transmission
Oct-06	26/2300	METH	492349065	Empty transmission
Oct-06	18/0023	MGJS8		Missing temperature and dew point groups
Dec-06	06/1509	MGJS8	423239411	Late date/time group 04183
Oct-06	10/0610	MGYF6	423500526	4 figure latitude group and extra 00// group
Oct-06	11/1202	MGYF6	423500526	4 figure group
Dec-06	09/2011	MHM28	423244510	4 and 1 figure groups extra space added 7020 0

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Dec-06	10/1929	MHMZ5	423244510	4 and 1 figure groups extra space added 7022 2
Nov-06	09/0007	MHMZ8	423244510	4 and 1 figure groups extra space added 7022 2
Nov-06	09/1218	MHMZ8	423244510	4 and 1 figure groups extra space added 7652 2
Nov-06	09/2259	MHMZ8	423244510	4 and 1 figure groups extra space added 7030 0
Nov-06	10/1210	MHMZ8	423244510	4 and 1 figure groups extra space added 7030 0
Nov-06	11/0028	MHMZ8	423244510	4 and 1 figure groups extra space added 7030 0
Nov-06	11/1205	MHMZ8	423244510	4 and 1 figure groups extra space added 7030 0
Dec-06	10/0925	MHMZ8	423244510	4 and 1 figure groups extra space added 4018 2
Dec-06	11/1816	MHMZ8	423244510	Invalid 4 figure date/time group 1183 possible group missing a 1
Dec-06	12/0645	MHMZ8	423244510	4 and 1 figure groups extra space added 7216 2
Dec-06	13/1805	MHMZ8	423244510	Invalid 6 figure group 520125
Jan-07	01/0734	MHMZ8	423244510	Invalid 4 and 1 figure groups 7808 8 extra space added
Jan-07	02/0735	MHMZ8	423244510	Invalid 4 and 1 figure groups 7010 0 extra space added
Jan-07	02/1944	MHMZ8	423244510	Invalid 4 and 1 figure groups 7030 0 extra space added
Jan-07	03/0713	MHMZ8	423244510	Invalid 4 and 1 figure groups 7031 1 extra space added
Oct-06	30/1305	MICH	430462211	Empty transmission
Oct-06	01/0926	MMER9		Missing temperature and dew point groups
Oct-06	09/0627	MMER9		Invalid temperature group
Nov-06	08/1257	MONC	421055811	Message sent no data
Oct-06	03/0300	MQSY9		Missing temperature and dew point groups
Dec-06	07/0600	MQSY9		Missing temperature and dew point groups
Jan-07	19/0000	MQSY9		Missing temperature and dew point groups
Jan-07	20/0600	MQSY9		Missing temperature and dew point groups
Oct-06	25/0036	MQYS	423313720	Message sent no data
Oct-06	30/0057	MQYS	423313720	Message sent no data
Jan-07	23/1214	MSJX8	423352610	Late date/time group 21124
Oct-06	20/0549	MSJY8	423352510	Late date/time group
Nov-06	08/0558	MSJY8		Missing temperature and dew point groups
Nov-06	26/1156	MSJY8	423352510	6 figure group 520150
Nov-06	29/1757	MSJZ8	423352410	Late date/time group 21183
Dec-06	28/1804	MSTE	440327020	Empty transmission
Nov-06	09/1800	MYJM	423282410	Phenomena report
Oct-06	04/0024	MZBN2		Missing temperature group
Oct-06	11/1205	MZBN2		Invalid temperature group failed 1SnTTT test1
Oct-06	24/0602	MZFC6	423296510	Late date/time group
Oct-06	06/1156	MZFP7		Missing temperature and dew point groups
Oct-06	13/1038	MZKE	430887210	Message sent no data
Oct-06	18/1029	MZKE	430887210	Message sent no data
Oct-06	11/2354	NAVI	430938910	Message sent no data
Oct-06	14/0254	NAVI	430938910	Message sent no data
Oct-06	21/0141	NAVI	430938910	Message sent no data
Oct-06	18/1813	NOKA	423239411	Empty transmission
Nov-06	06/2353	NOKW	423239410	Empty transmission
Jan-07	09/2103	NOMZ	423236511	Empty transmission
Jan-07	11/0832	NOMZ	423236511	Empty transmission
Jan-07	12/1426	NOMZ	423236511	Empty transmission
Oct-06	03/0011	NWSE	431010310	Empty transmission
Oct-06	27/1215	NWSE	431010310	Empty transmission
Nov-06	02/0011	NWSE	431010310	Empty transmission
Jan-07	07/0203	OVS8	422029110	Forecast sent no data
Oct-06	08/1225	OVS8	422029111	Late date/time group
Oct-06	25/0012	OVS8		Missing temperature and dew point groups
Oct-06	26/0605	OVS8		Missing temperature and dew point groups
Dec-06	26/0148	OVZV2	421996811	Invalid 1 and 2 figure groups 50, 8, 4, 5 possible missing /s
Oct-06	19/1320	OWAY	421998111	Message sent no data
Nov-06	30/1258	OWAY2	421998111	Late date/time group 23031
Dec-06	31/1828	OYYL2	421997911	Invalid 1 and 3 figure groups 8, 328, 5
Jan-07	01/0026	OYYL2	421997911	Invalid 1 and 2 figure groups 85, 32, 5 possible missing /s
Jan-07	01/0131	OYYL2	421997910	Invalid 1, 2 and 3 figure groups 85, 327, 5 possible missing /s
Jan-07	01/1303	OYYL2	421997910	Invalid 1, 2 and 3 figure groups 80, 330, 5 possible missing /s
Jan-07	02/0008	OYYL2	421997910	Invalid 1, 3 and 4 figure groups 8111, 328, 5 possible missing /s
Jan-07	03/0008	OYYL2	421997911	Invalid 1, 3 and 4 figure groups 8400, 328, 5 possible missing /s
Jan-07	05/1250	OYYL2	421997911	Invalid 1, 3 and 4 figure groups 8772, 330, 5 possible missing /s
Jan-07	22/0036	OYYL2	421997911	Invalid 1 and 3 figure groups 8, 318, 5
Nov-06	22/0550	P3GU7		Missing temperature and dew point groups
Nov-06	07/0035	P3JA9		Missing temperature and dew point groups
Jan-07	28/0113	P3JA9		Missing temperature and dew point groups
Oct-06	06/0013	P3ND5	421056510	Invalid 4 figure date/time group
Oct-06	28/1225	P3ND5	421056510	Invalid 4 figure date/time group
Oct-06	15/1233	P3NF5	421056110	6 figure date/time group
Oct-06	16/1225	P3NF5	421056110	Invalid 6 figure date/time group
Jan-07	04/1331	P3NF5	421056110	Late date/time group 19121
Dec-06	30/0611	P3NG5	421056010	Invalid 4 figure cloud group 8000
Nov-06	09/0647	PAND	424418720	Empty transmission
Dec-06	13/1922	PAND	424418720	Message sent no data
Jan-07	16/1301	PAND	424418720	Empty transmission
Nov-06	18/1745	PBCJ	424428310	4 figure latitude group 9909
Oct-06	07/0026	PCUI	424460010	Empty transmission
Oct-06	07/1157	PCUI	424460010	Empty transmission
Oct-06	19/0641	PDHP	424429810	Invalid latitude group
Dec-06	12/1354	PDHW	424411810	Empty transmission
Nov-06	27/1910	PDYX		Missing temperature and dew point groups
Jan-07	25/1357	PDYX	424630810	Message sent no data
Nov-06	22/0239	PEC	423248310	Empty transmission
Jan-07	06/1927	PFPT	424582810	Invalid format BXX missing a B
Jan-07	08/2139	PFPT	424582810	Message sent no data
Jan-07	10/0432	PGDO	424409610	Empty transmission
Dec-06	29/0721	PHAM		Missing temperature and dew point groups
Dec-06	30/0657	PHAM		Missing temperature and dew point groups
Jan-07	07/0819	PHAM		Missing temperature and dew point groups
Dec-06	04/1301	PHCO	424629311	Empty transmission
Dec-06	23/1856	PITT	430489411	Empty transmission
Nov-06	23/0716	POLV	421801710	Empty transmission
Oct-06	11/1829	ROYP	431045610	Empty transmission
Dec-06	14/0017	S6JT	456430310	Invalid 4 figure groups 2235, 2000, 3000, 4000, 5000 and KKKK group
Oct-06	13/1757	S6JU	456453710	4 figure cloud group
Dec-06	08/1402	S6TV	456473410	Late date/time group 26143
Dec-06	30/1150	SAXO	421056010	Message sent no data
Dec-06	30/1152	SAXO	421056010	Message sent no data
Oct-06	13/1759	SHIP	431603420	6 and 4 figure groups
Oct-06	16/1806	SHIP	431603420	4 figure dew point group
Dec-06	01/1401	SHIP	431603420	Invalid 4 figure dew point group 2075
Dec-06	19/1906	SHIP	431603420	Invalid 4 figure group 4000
Dec-06	23/0229	SHIP	431603420	Invalid 6 figure group 222461

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Jan-07	16/0554	SHIP		Invalid temperature group 10900 failed 1SnTTT test2
Jan-07	30/0044	SHIP	431603420	Invalid 4 figure date/time group 3004
Oct-06	17/1410	SSLA	430948710	Message sent no data
Nov-06	22/0815	STBE	400011210	Empty transmission test messages
Nov-06	22/0817	STBE	400011210	Empty transmission test messages
Nov-06	22/0819	STBE	400011210	Empty transmission test messages
Dec-06	27/1723	SWIF	421274110	Message sent no data
Nov-06	24/1243	TBXX		Extra group 8/9 before date/time group
Nov-06	12/1827	TIGE	424504310	Empty transmission
Nov-06	17/0919	TRAN	424598110	Empty transmission
Nov-06	05/1754	TRMA	423352320	Empty transmission
Jan-07	26/0707	TRMA	423352320	Empty transmission
Nov-06	06/0605	UACN		Missing temperature and dew point groups
Dec-06	16/0614	UACN	427300285	Missing latitude group
Oct-06	01/1208	UASX	427300870	Empty transmission
Oct-06	08/0024	UCAB	427300117	6 figure group
Dec-06	09/1902	UCAB	427300117	Invalid format no BBXX
Dec-06	10/0805	UCAB	427300117	Invalid format no BBXX
Dec-06	10/1626	UCAB	427300117	Invalid format no BBXX
Dec-06	11/0326	UCAB	427300117	Invalid format no BBXX
Dec-06	12/1401	UCAB	427300117	Invalid format no BBXX
Dec-06	13/0215	UCAB	427300117	Invalid format no BBXX
Dec-06	13/0740	UCAB	427300117	Invalid format no BBXX
Dec-06	13/1311	UCAB	427300117	Invalid format no BBXX
Dec-06	14/0102	UCAB	427300117	Invalid format no BBXX
Dec-06	14/0646	UCAB	427300117	Invalid format no BBXX
Dec-06	15/0123	UCAB	427300117	Invalid 6 figure temperature group 100505 possible extra zero added
Oct-06	28/0622	UCAC	427351080	4 figure latitude group
Dec-06	18/0653	UCAE	427351080	Invalid 4 figure date/time group 1806
Oct-06	27/0028	UCAE	427300788	4 figure group
Oct-06	28/0625	UCAE	427300788	4 figure group
Oct-06	31/1226	UCAE	427300788	4 figure group
Nov-06	06/0031	UCAE	427300788	Missing space between latitude and longitude groups 9969910175
Oct-06	08/0614	UCFT	427331150	6 figure group
Nov-06	13/1808	UCFT	427331150	4 figure group 2271
Nov-06	26/1810	UCFT	427331150	6 figure latitude group 997431
Dec-06	10/1508	UCJC	427300430	Invalid 6 figure group 540007
Nov-06	19/2025	UCJI	427300330	4 figure group 5200
Nov-06	30/0147	UCJI	427300330	6 figure latitude group 994085
Dec-06	23/0823	UCJI	427300330	Message in hex no BBXX
Nov-06	07/1207	UCJL	427300278	Extra / after cloud group
Nov-06	07/1803	UCJL	427300278	Extra / after cloud group
Nov-06	08/2114	UCJL	427300278	Message sent no data
Jan-07	31/2123	UCJL	427300278	Message sent no data
Oct-06	01/1231	UCJM	427300249	Invalid date/time group and various 6 figure groups
Jan-07	19/1856	UCJM	427300249	Invalid 6 figure group 570014
Dec-06	17/1121	UCJP	427300975	Empty transmission
Oct-06	21/0004	UCJR	427300185	6 figure group
Dec-06	28/1313	UCKA	427300137	Invalid 4 figure latitude group 9963
Jan-07	20/0028	UCKA	427300137	Invalid 6 figure group 540100
Jan-07	05/0200	UCKD	427300223	Invalid 7 figure group 705372
Jan-07	07/1427	UCKD	427300223	Invalid 6 figure group 222523
Jan-07	10/1252	UCKD	427300223	Invalid 6 figure group 702122
Jan-07	12/1117	UCKD	427300223	Invalid 4 figure cloud group 8000
Oct-06	20/2224	UCTK	427300947	Message sent no data
Jan-07	24/1342	UCTQ	427330650	Invalid 6 figure group 41/939
Jan-07	24/1357	UCTQ	427330650	Invalid 6 figure group 41/939 duplicate
Oct-06	14/1212	UCUD	427300452	6 figure group
Oct-06	14/0030	UDUR	427300552	6 figure group
Dec-06	08/1312	UDUR	427300552	Invalid 6 figure group 702122
Dec-06	19/1244	UDUR	427300552	Invalid 6 figure group 222751
Dec-06	20/0018	UDUR	427300552	Invalid 6 figure group 222751
Dec-06	25/0027	UDUR	427300552	Invalid 6 figure cloud group 89//// possible extra /
Dec-06	25/1213	UDUR	427300552	Invalid 6 figure cloud group 89//// possible extra /
Dec-06	26/0034	UDUR	427300552	Invalid 6 figure cloud group 89//// possible extra /
Dec-06	27/0020	UDUR	427300552	Invalid 6 figure cloud group 89//// possible extra /
Jan-07	12/1927	UDUR	427300552	Invalid 4 figure group 4982
Jan-07	27/1157	UESP	422473140	Empty transmission
Oct-06	13/0601	UFAA	427300375	Late date/time group
Oct-06	13/0633	UFAA	427300375	Late date/time group
Nov-06	25/1255	UFAA	427300375	6 figure cloud group 832411
Nov-06	25/2004	UFAA	427300375	6 figure cloud group 832411 Duplicate
Nov-06	09/0608	UFJN	427311390	6 figure latitude group 996901
Nov-06	09/2033	UFJN		Missing temperature and dew point groups
Dec-06	08/1008	UFJN	427311390	Invalid 6 figure group 222712 and late date/time group 07001
Nov-06	18/0457	UGGA		Missing space between call sign and date/time group UGGA17181
Oct-06	11/0617	UGNQ	427300710	6 figure cloud group
Oct-06	11/1212	UGNQ	427300710	6 figure date/time group and cloud group
Oct-06	15/1212	UGNQ	427300710	6 figure date/time group
Nov-06	05/0029	UGNQ	427300710	6 figure group 580350
Nov-06	22/0736	UGNQ	427300710	6 figure group 540200
Dec-06	29/1244	UGNQ	427300710	Invalid 6 figure longitude group 101958
Jan-07	11/2239	UHCJ	427320153	Message sent no data
Dec-06	04/1043	UHVW	427320381	Message sent no data
Nov-06	17/0858	UIAG	427301027	Extra space in cloud group 8 9///
Nov-06	18/0515	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	18/1113	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	19/0601	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	19/0941	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	20/0354	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	20/0842	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	22/0325	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	23/0006	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	23/1818	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	24/0007	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	28/0024	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	29/0033	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	29/1805	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Nov-06	30/0052	UIAG	427301027	4 figure group 4999
Dec-06	01/0110	UIAG	427301027	4 figure group 4999 and 8 and 2 figure groups ,space missing and space added 7002289//
Dec-06	02/0454	UIAG	427301027	7 and 3 figure groups ,space in wrong place 7002289 ///
Dec-06	03/0941	UIAG	427301027	7 and 3 figure groups ,space in wrong place 7002289 ///
Dec-06	03/1928	UIAG	427301027	Invalid 6 figure latitude group 997061 and missing longitude group
Dec-06	04/0847	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///

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Dec-06	05/0120	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	06/0053	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	07/0121	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	08/0136	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	08/1903	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	09/0122	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	10/0154	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	11/0117	UIAG	427301027	7 and 3 figure groups ,space missing and space added 7002289 ///
Dec-06	12/1851	UIAG	427301027	Invalid 4 figure latitude group 9710 possible missing a 9
Dec-06	13/1857	UIAG	427301027	Invalid 6 figure group 922710
Dec-06	14/0023	UIAG	427301027	Invalid 6 and 4 figure groups 922710, space missing and space added 700228 9///
Dec-06	15/0034	UIAG	427301027	Invalid 7 and 3 figure groups , space missing and space added 7002289 ///
Dec-06	16/0039	UIAG	427301027	Invalid 7 and 3 figure groups , space missing and space added 7002289 ///
Dec-06	17/0017	UIAG	427301027	Invalid 7 and 3 figure groups , space missing and space added 7002289 ///
Dec-06	17/1916	UIAG	427301027	Invalid 4 figure group 2241
Dec-06	18/0016	UIAG	427301027	Invalid 7 and 3 figure groups , space missing and space added 7002289 ///
Dec-06	18/0707	UIAG	427301027	Invalid 4 figure group 2241
Dec-06	19/0010	UIAG	427301027	Invalid 7 and 3 figure groups , space missing and space added 7002289 ///
Dec-06	20/0013	UIAG	427301027	Invalid 7 and 3 figure groups , space missing and space added 7002289 ///
Oct-06	13/0642	UIAH	427300999	6 figure group
Oct-06	22/1203	UIAH	427300999	4 figure date/time group
Oct-06	25/0613	UIAH	427300999	4 figure group
Oct-06	27/0626	UIAH		Missing temperature and dew point groups
Oct-06	27/1209	UIAH		Missing temperature and dew point groups
Nov-06	05/1208	UIAH		Missing temperature and dew point groups
Nov-06	11/1235	UIAH	427300999	6 figure temperature group 100010
Nov-06	09/1240	UITY	427320332	Message in hex no BBXX
Dec-06	15/1923	UITY	427320332	Message in hex no BBXX
Dec-06	17/1906	UITY	427320332	Message in hex no BBXX
Dec-06	18/0647	UITY	427320332	Message in hex no BBXX
Dec-06	18/1855	UITY	427320332	Message in hex no BBXX
Dec-06	19/0641	UITY	427320332	Message in hex no BBXX
Dec-06	19/1812	UITY	427320332	Message in hex no BBXX
Oct-06	20/0619	UITJ	427300317	6 figure group
Oct-06	21/0027	UITJ	427300317	4 figure group
Oct-06	22/0002	UITJ	427300317	4 figure group
Dec-06	04/0758	UITJ	427300317	Invalid 6 figure cloud group 89/// extra /
Oct-06	03/0624	UJTT	427320332	Message in Hex
Oct-06	03/1842	UJTT	427320332	Message in Hex
Oct-06	04/0559	UJTT	427320332	Message in Hex
Oct-06	04/1226	UJTT	427320332	Message in Hex
Oct-06	04/1818	UJTT	427320332	Message in Hex
Oct-06	05/0630	UJTT	427320332	Message in Hex
Oct-06	05/1817	UJTT	427320332	Message in Hex
Oct-06	06/0619	UJTT	427320332	Message in Hex
Oct-06	06/1239	UJTT	427320332	Message in Hex
Oct-06	06/1835	UJTT	427320332	Message in Hex
Oct-06	07/0621	UJTT	427320332	Message in Hex
Oct-06	07/1227	UJTT	427320332	Message in Hex
Oct-06	07/1824	UJTT	427320332	Message in Hex
Oct-06	08/0626	UJTT	427320332	Message in Hex
Oct-06	19/1228	UJTT	427320332	Message in Hex
Oct-06	20/0610	UJTT	427320332	Message in Hex
Oct-06	20/1247	UJTT	427320332	Message in Hex
Oct-06	20/1821	UJTT	427320332	Message in Hex
Oct-06	21/0605	UJTT	427320332	Message in Hex
Oct-06	21/1243	UJTT	427320332	Message in Hex
Oct-06	21/1839	UJTT	427320332	Message in Hex
Oct-06	22/0616	UJTT	427320332	Message in Hex
Oct-06	22/1825	UJTT	427320332	Message in Hex
Oct-06	23/0616	UJTT	427320332	Message in Hex
Oct-06	23/1804	UJTT	427320332	Message in Hex
Oct-06	24/0618	UJTT	427320332	Message in Hex
Oct-06	24/1234	UJTT	427320332	Message in Hex
Oct-06	24/1815	UJTT	427320332	Message in Hex
Oct-06	25/0627	UJTT	427320332	Message in Hex
Oct-06	25/1307	UJTT	427320332	Message in Hex
Oct-06	25/1817	UJTT	427320332	Message in Hex
Dec-06	17/0615	UJTT	427320332	Message in hex no BBXX
Jan-07	27/1259	UKSP	422473140	Empty transmission
Jan-07	27/1320	UKSP	422473140	Empty transmission
Jan-07	27/1145	ULSP	422473140	Empty transmission
Jan-07	27/1218	USSP	422473140	Empty transmission
Jan-07	21/1431	V2CE1		Missing temperature and dew point groups
Nov-06	26/1209	V2IA	430449711	7 figure date/time group 1126123 includes month
Nov-06	26/1809	V2IA	430449711	7 figure date/time group 1126183 includes month
Nov-06	27/0018	V2IA	430449711	7 figure date/time group 1126243 includes month
Nov-06	27/0721	V2IA	430449711	7 figure date/time group 1127063 includes month
Nov-06	27/1317	V2IA	430449711	7 figure date/time group 1127063 includes month
Nov-06	27/1413	V2IA	430449711	7 figure date/time group 1127123 includes month
Nov-06	27/1819	V2IA	430449711	7 figure date/time group 1127183 includes month
Dec-06	12/0615	V2IA	430449710	Invalid 7 figure date/time group 1212063 possible month has been added, extra 00/// group added
Dec-06	12/1219	V2IA	430449710	Invalid 7 figure date/time group 1212123 possible month has been added, extra 00/// group added
Dec-06	12/1847	V2IA	430449710	Invalid 7 figure date/time group 1212183 possible month has been added, extra 00/// group added
Dec-06	13/0055	V2IA	430449710	Invalid 7 figure date/time group 1212243 possible month has been added, extra 00/// group added
Dec-06	13/0157	V2IA	430449710	Invalid 7 figure date/time group 1212243 possible month has been added, duplicate " "
Dec-06	13/1204	V2IA	430449710	Invalid 7 figure date/time group 1213123 possible month has been added, extra 00/// group added
Dec-06	13/1804	V2IA	430449710	Invalid 7 figure date/time group 1213183 possible month has been added, extra 00/// group added
Dec-06	14/0039	V2IA	430449710	Invalid 7 figure date/time group 1213243 possible month has been added, extra 00/// group added
Dec-06	14/0630	V2IA	430449710	Invalid 7 figure date/time group 1214063 possible month has been added, extra 00/// group added
Dec-06	14/1148	V2IA	430449710	Invalid 7 figure date/time group 1214123 possible month has been added, extra 00/// group added
Dec-06	14/1844	V2IA	430449710	Invalid 7 figure date/time group 1214183 possible month has been added, extra 00/// group added
Dec-06	15/0028	V2IA	430449710	Invalid 7 figure date/time group 1214243 possible month has been added, extra 00/// group added
Dec-06	15/0607	V2IA	430449710	Invalid 7 figure date/time group 1215063 possible month has been added, extra 00/// group added
Dec-06	15/1213	V2IA	430449710	Invalid 7 figure date/time group 1215123 possible month has been added, extra 00/// group added
Dec-06	15/1830	V2IA	430449710	Invalid 7 figure date/time group 1215183 possible month has been added, extra 00/// group added
Dec-06	16/0047	V2IA	430449710	Invalid 7 figure date/time group 1215243 possible month has been added, extra 00/// group added
Dec-06	16/0626	V2IA	430449710	Invalid 7 figure date/time group 1216063 possible month has been added, extra 00/// group added
Dec-06	16/1216	V2IA	430449710	Invalid 7 figure date/time group 1216123 possible month has been added, extra 00/// group added
Dec-06	16/1756	V2IA	430449710	Invalid 7 figure date/time group 1216183 possible month has been added, extra 00/// group added
Dec-06	17/0013	V2IA	430449710	Invalid 7 figure date/time group 1216243 possible month has been added, extra 00/// group added
Dec-06	17/0558	V2IA	430449710	Invalid 7 figure date/time group 1217063 possible month has been added, extra 00/// group added
Dec-06	17/1205	V2IA	430449710	Invalid 7 figure date/time group 1217123 possible month has been added, extra 00/// group added
Dec-06	17/1802	V2IA	430449710	Invalid 7 figure date/time group 1217183 possible month has been added, extra 00/// group added

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Dec-06	18/0002	V2IA	430449710	Invalid 7 figure date/time group 1217243 possible month has been added, extra 00/// group added
Dec-06	18/0559	V2IA	430449710	Invalid 7 figure date/time group 1218063 possible month has been added, extra 00/// group added
Dec-06	18/1208	V2IA	430449710	Invalid 7 figure date/time group 1218123 possible month has been added, extra 00/// group added
Dec-06	18/1756	V2IA	430449710	Invalid 7 figure date/time group 1218183 possible month has been added, extra 00/// group added
Dec-06	19/0003	V2IA	430449710	Invalid 7 figure date/time group 1218243 possible month has been added, extra 00/// group added
Dec-06	19/0613	V2IA	430449710	Invalid 7 figure date/time group 1219063 possible month has been added, extra 00/// group added
Dec-06	19/1219	V2IA	430449710	Invalid 7 figure date/time group 1219123 possible month has been added, extra 00/// group added
Dec-06	19/1754	V2IA	430449710	Invalid 7 figure date/time group 1219183 possible month has been added, extra 00/// group added
Dec-06	20/0006	V2IA	430449710	Invalid 7 figure date/time group 1219243 possible month has been added, extra 00/// group added
Dec-06	20/0602	V2IA	430449710	Invalid 7 figure date/time group 1220063 possible month has been added, extra 00/// group added
Dec-06	20/1202	V2IA	430449710	Invalid 7 figure date/time group 1220123 possible month has been added, extra 00/// group added
Nov-06	24/1219	V3WW6	431224620	6 figure latitude group and odd + signs in groups 4+597 885++
Nov-06	05/1204	V3ZB2	431203210	4 figure cloud group 8500
Jan-07	20/0104	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 and 6 figure groups
Jan-07	21/0026	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0121004
Jan-07	22/0027	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0122004
Jan-07	22/1255	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0122124
Jan-07	23/0101	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0123004
Jan-07	23/1314	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0123124
Jan-07	24/0059	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0124004
Jan-07	24/1400	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0124124
Jan-07	25/0119	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0125004
Jan-07	25/1212	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0125124
Jan-07	26/0050	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0126004
Jan-07	26/1228	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0126124
Jan-07	27/0114	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0127004
Jan-07	28/1219	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0128124
Jan-07	29/0053	V7DG6	453800220	Whole message in one block no spaces between groups, invalid 7 figure date/time group 0129004
Jan-07	16/0544	V7DN3	453831999	Invalid 6 figure group 20009/
Jan-07	30/0739	V7JP6	453846882	Late date/time group 27181
Nov-06	05/0018	VEDR	492749420	Empty transmission
Nov-06	05/0042	VEDR	492749420	Empty transmission
Nov-06	05/0046	VEDR	492749420	Empty transmission
Nov-06	05/0049	VEDR	492749420	Empty transmission
Nov-06	14/1132	VEDR	492749420	Empty transmission
Nov-06	14/1140	VEDR	492749420	Empty transmission
Nov-06	14/1143	VEDR	492749420	Empty transmission
Nov-06	14/1209	VEDR	492749420	Empty transmission
Nov-06	19/0509	VEDR	492749420	Empty transmission
Nov-06	19/0626	VEDR	492749420	Empty transmission
Nov-06	19/0636	VEDR	492749420	Empty transmission
Dec-06	01/1141	VEDR	492749420	Empty transmission
Dec-06	01/1200	VEDR	492749420	Empty transmission
Dec-06	01/1432	VEDR	492749420	Empty transmission
Dec-06	01/1722	VEDR	492749420	Empty transmission
Dec-06	01/1748	VEDR	492749420	Empty transmission
Dec-06	01/1754	VEDR	492749420	Empty transmission
Dec-06	03/2006	VEDR	492749420	Empty transmission
Dec-06	03/2146	VEDR	492749420	Empty transmission
Dec-06	04/0109	VEDR	492749420	Empty transmission
Dec-06	04/0138	VEDR	492749420	Empty transmission
Dec-06	04/0156	VEDR	492749420	Empty transmission
Dec-06	04/0213	VEDR	492749420	Empty transmission
Dec-06	04/0236	VEDR	492749420	Empty transmission
Nov-06	03/0019	VJFY	450300030	Whole message in 10 figure groups
Nov-06	06/0039	VJFY	450300030	Whole message in 10 and 11 figure groups
Nov-06	18/0030	VNVZ	450300139	Message in 10 figure groups
Nov-06	18/0615	VNVZ	450300139	Message in 10 figure groups
Nov-06	20/1203	VNVZ	450300139	Message in 10 figure groups
Nov-06	21/0004	VNVZ	450300139	Message in 10 figure groups
Nov-06	21/1204	VNVZ	450300139	Message in 10 figure groups
Nov-06	22/1202	VNVZ	450300139	Message in 10 figure groups
Nov-06	23/0000	VNVZ	450300139	Message in 10 figure groups
Nov-06	23/0631	VNVZ	450300139	Message in 10 figure groups
Nov-06	23/1202	VNVZ	450300139	Message in 10 figure groups
Nov-06	24/0003	VNVZ	450300139	Message in 10 figure groups
Nov-06	25/0004	VNVZ	450300139	Message in 10 figure groups
Nov-06	27/1202	VNVZ	450300139	Message in 10 figure groups
Nov-06	28/0013	VNVZ	450300139	Message in 10 figure groups
Nov-06	28/1212	VNVZ	450300139	Message in 10 figure groups
Nov-06	29/0003	VNVZ	450300139	Message in 10 figure groups
Nov-06	29/1205	VNVZ	450300139	Message in 10 figure groups
Nov-06	30/0003	VNVZ	450300139	Message in 10 figure groups
Nov-06	30/0617	VNVZ	450300139	Message in 10 figure groups
Dec-06	01/0004	VNVZ	450300139	Message in 10 figure groups
Dec-06	01/1227	VNVZ	450300139	Message in 10 figure groups
Dec-06	02/0003	VNVZ	450300139	Message in 10 figure groups
Dec-06	25/1344	VODE	421056510	Message sent no data
Nov-06	14/1134	VQBW2	423557510	Late date/time group 03003
Nov-06	15/0255	VQBW2	423557510	Late date/time group 03003
Nov-06	16/1152	VQBW2	423557510	Late date/time group 03003
Nov-06	17/2342	VQBW2	423557510	Late date/time group 03003
Nov-06	18/2341	VQBW2	423557510	Late date/time group 03003
Nov-06	26/0728	VQBW2	423557510	Late date/time group 24063
Dec-06	11/0853	VQBW2	423557510	Late date/time group 24063
Oct-06	16/1224	VQFV3		Missing temperature and dew point groups
Nov-06	20/1936	VQKZ5	423590333	6 figure cloud group 811100
Dec-06	31/1325	VQKZ5	423590333	Invalid latitude group 90081
Jan-07	19/0648	VQKZ5	423590333	Invalid latitude group 90232
Jan-07	19/0607	VRBQ2	447700289	Invalid 4 figure latitude group 9907 also extra text added to message
Jan-07	19/1229	VRBQ2	447700289	Invalid 4 figure group 4014 also extra text added to message
Jan-07	19/1242	VRBQ2	447700289	Invalid 4 figure group 4014 also extra text added to message
Jan-07	19/1904	VRBQ2	447700289	Invalid 4 figure group 4010 also extra text added to message
Jan-07	31/1913	VRBQ2	447700289	Missing 5 figure group and extra text added on to the end of message
Jan-07	09/0927	VRBQ3	447700289	Late date/time group 01063 also extra text added to end of message
Jan-07	09/1246	VRBQ3	447700289	Invalid format extra text added to end of message
Jan-07	09/2028	VRBQ3	447700289	Invalid format extra text added to end of message
Jan-07	10/0258	VRBQ3	447700289	Invalid format extra text added to end of message
Nov-06	13/1800	VRVQ9		Missing 5 figure group

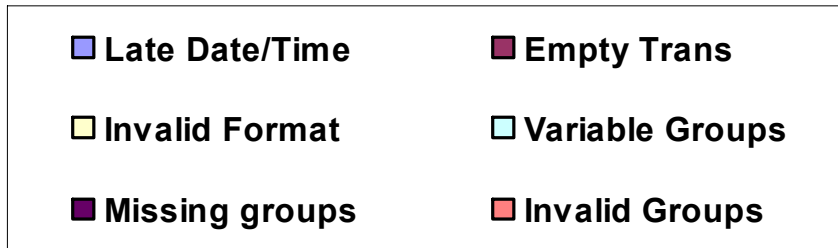
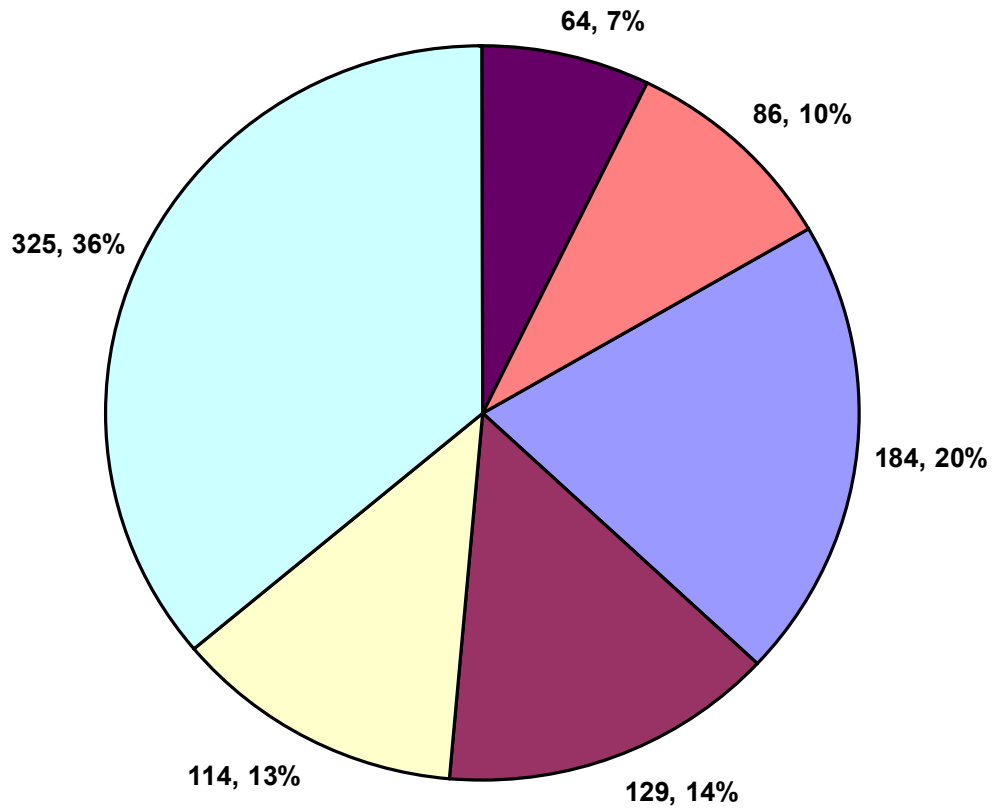
## APPENDIX B

## SUMMARY OF REJECTIONS BETWEEN NOVEMBER 2006 AND JANUARY 2007

Month	Date	Daily Total	Daily Logged	Late Date/Time	Empty Trans	Invalid Format	Variable Groups	Missing groups	Invalid Groups	Total
Jan-07	1	22	10	0	0	0	8	1	1	
Jan-07	2	22	7	0	0	0	6	0	1	
Jan-07	3	24	7	0	0	0	7	0	0	
Jan-07	4	22	9	1	0	1	1	6	0	
Jan-07	5	22	7	0	1	0	3	1	2	
Jan-07	6	15	2	0	0	1	0	0	1	
Jan-07	7	24	6	0	1	0	1	1	3	
Jan-07	8	19	4	0	1	1	0	0	2	
Jan-07	9	26	8	1	1	3	3	0	0	
Jan-07	10	18	5	0	2	1	2	0	0	
Jan-07	11	42	5	1	2	0	1	0	1	
Jan-07	12	24	7	0	1	0	4	1	1	
Jan-07	13	13	3	1	0	0	1	0	1	
Jan-07	14	21	4	0	1	0	0	1	2	
Jan-07	15	31	7	0	0	0	4	1	2	
Jan-07	16	27	6	0	1	0	4	0	1	
Jan-07	17	24	4	0	0	0	4	0	0	
Jan-07	18	11	3	0	0	0	2	0	1	
Jan-07	19	23	11	0	0	0	7	2	2	
Jan-07	20	22	7	0	0	1	4	1	1	
Jan-07	21	23	8	0	0	0	3	1	4	
Jan-07	22	23	11	0	1	3	4	0	3	
Jan-07	23	20	7	1	1	2	2	0	1	
Jan-07	24	22	13	1	3	2	6	0	1	
Jan-07	25	9	3	0	1	2	0	0	0	
Jan-07	26	11	3	0	1	2	0	0	0	
Jan-07	27	20	12	0	7	1	1	1	2	
Jan-07	28	14	6	1	0	2	0	1	2	
Jan-07	29	9	3	0	0	2	0	0	1	
Jan-07	30	14	5	1	0	0	1	1	2	
Jan-07	31	16	3	0	1	0	1	1	0	
Dec-06	1	21	14	0	7	0	5	1	1	
Dec-06	2	13	7	0	1	2	4	0	0	
Dec-06	3	12	5	0	3	0	2	0	0	
Dec-06	4	23	14	0	9	0	5	0	0	
Dec-06	5	14	7	0	2	0	3	1	1	
Dec-06	6	20	6	1	0	2	2	0	1	
Dec-06	7	17	5	0	0	1	2	1	1	
Dec-06	8	19	9	1	0	0	4	0	4	
Dec-06	9	16	5	0	0	1	2	1	1	
Dec-06	10	23	9	0	0	4	3	0	2	
Dec-06	11	17	9	1	0	3	3	0	2	
Dec-06	12	21	13	0	1	2	8	1	1	
Dec-06	13	21	14	0	1	3	9	0	1	
Dec-06	14	23	16	1	1	2	9	2	1	
Dec-06	15	21	16	2	0	4	7	2	1	
Dec-06	16	16	9	0	0	0	8	1	0	
Dec-06	17	22	17	1	3	6	7	0	0	

Dec-06	18	24	15	0	0	4	9	2	0	
Dec-06	19	18	13	0	0	4	8	1	0	
Dec-06	20	10	5	0	0	0	5	0	0	
Dec-06	21	9	3	0	0	1	1	1	0	
Dec-06	22	17	5	0	0	2	2	0	1	
Dec-06	23	14	9	0	1	4	1	1	2	
Dec-06	24	19	6	0	0	3	1	2	0	
Dec-06	25	18	6	0	1	1	2	0	2	
Dec-06	26	17	6	0	0	1	3	0	2	
Dec-06	27	14	5	1	1	2	1	0	0	
Dec-06	28	23	6	0	2	3	1	0	0	
Dec-06	29	21	7	0	0	2	3	1	1	
Dec-06	30	19	8	0	3	2	2	1	0	
Dec-06	31	21	7	0	1	2	1	0	3	
Nov-06	1	26	19	8	4	5	2	0	0	
Nov-06	2	29	16	7	2	5	2	0	0	
Nov-06	3	27	14	5	0	5	4	0	0	
Nov-06	4	20	12	8	1	2	1	0	0	
Nov-06	5	33	22	7	5	1	7	2	0	
Nov-06	6	28	20	9	1	0	6	2	2	
Nov-06	7	24	17	7	1	2	3	3	1	
Nov-06	8	26	16	7	2	0	6	1	0	
Nov-06	9	32	23	8	5	2	2	1	5	
Nov-06	10	20	12	7	0	0	2	1	2	
Nov-06	11	26	15	8	0	0	4	1	2	
Nov-06	12	20	11	7	1	0	2	0	1	
Nov-06	13	17	12	7	2	0	1	2	0	
Nov-06	14	32	20	9	5	0	6	0	0	
Nov-06	15	17	11	6	1	0	0	4	0	
Nov-06	16	20	10	8	0	0	2	0	0	
Nov-06	17	21	18	7	4	3	2	0	2	
Nov-06	18	30	21	9	5	1	6	0	0	
Nov-06	19	19	10	4	3	0	3	0	0	
Nov-06	20	33	17	8	2	1	5	1	0	
Nov-06	21	24	11	5	2	0	4	0	0	
Nov-06	22	47	20	9	4	1	5	1	0	
Nov-06	23	43	16	5	2	1	7	1	0	
Nov-06	24	22	8	0	1	0	5	0	2	
Nov-06	25	16	6	0	0	0	4	2	0	
Nov-06	26	19	7	1	1	0	5	0	0	
Nov-06	27	27	15	0	8	0	6	1	0	
Nov-06	28	33	9	0	4	0	4	1	0	
Nov-06	29	20	12	1	0	0	8	1	2	
Nov-06	30	17	10	1	0	0	8	0	1	
<b>SUM</b>		<b>1964</b>	<b>902</b>	<b>184</b>	<b>129</b>	<b>114</b>	<b>325</b>	<b>64</b>	<b>86</b>	<b>0</b>
<b>%</b>				<b>20.4</b>	<b>14.3</b>	<b>12.6</b>	<b>36.0</b>	<b>7.1</b>	<b>9.5</b>	<b>100.0</b>
<b>AVE</b>		<b>21.3</b>	<b>9.8</b>	<b>2.0</b>	<b>1.4</b>	<b>1.2</b>	<b>3.5</b>	<b>0.7</b>	<b>0.9</b>	

### Number & Percentage of Rejections November 2006 and January 2007





**APPENDIX C**

**SOME EXAMPLES OF INCOMING MESSAGES THAT ARE REJECTED**

REJT03 EGRR 010927  
REASON field 6 value 52/// Must start with 1;  
SXVX88 EGRR 010926  
BBXX  
MMER9 30183 99578 10095 41597 61817 %52/// 7//22 85310 22214 29902  
3/// 4/// 5///=

.....  
REJT03 EGRR 011210  
REASON Invalid time value found  
SXVX88 EGRR 011208  
CI

STRATOS CSAT 427300870=UASX X 1-OCT-2006 12:10:14 714196

ZCZC

.....  
REJT03 EGRR 011233  
REASON Invalid time value found  
SXVX88 EGRR 011231  
BBXX UCJM 011261 99712 102435 41598 71008 10062 401237 54003  
70222 874// 22213 00090 20603=

94040190=METO G  
427300249=UCJM X

.....  
REJT03 EGRR 020632  
REASON Badly formatted message - group in section 1 wrong number of  
characters KKKK  
SXVX88 EGRR 020631  
BBXX ZCAM9 02184 99450 70616 41/94 90623 10149 40145 72522

KKKK

.....  
94040190=METO G  
431009310=AVKN X

REJT03 EGRR 021743  
REASON SHIP Message too late received 02/10 For 12  
SXVX88 EGRR 021742  
BBXX GBTT 012183 99496 70065 41398 43108 10161 20113 40093 56008  
70211 84460 22225 00212 20101 327// 40202 5/// 80135=

94040190=METO G  
423208910=GBTT X

.....  
REJT03 EGRR 022248  
REASON Invalid time value found  
SXVX88 EGRR 022246  
CI

STRATOS CSAT 421137367=HADW X 2-OCT-2006 22:47:54 754592

NNNN

.....  
94040190=METO G  
430921310=AUKX X

REJT03 EGRR 030310  
REASON field 6 value 49946 Must start with 1;  
SXVX88 EGRR 030300  
BBXX  
MQSY9 03034 99593 10015 41/97 /3520 %49946 54000 700// 8/// 22200  
02140 2/// 3/// 4/// 5///=

.....  
REJT03 EGRR 030626

REASON Invalid time value found  
SXVX88 EGRR 030624  
CI  
554954462030333036312039393337352031303034382034323839382034  
323430382031303237322034303135320D0A3536303320383330313420  
32323236332030303233302032303530333D0D0A4E4E0D0A  
94040190=METO G  
427320332=UJTT X  
.....

REJT03 EGRR 031832  
REASON Badly formatted message - group in section 1 wrong number of  
characters 7  
SXVX88 EGRR 031830  
BBXX C6CU6 03184 99048 50325 41498 51514  
10255 20226 40138 56007 7-  
.....

REJT03 EGRR 040026  
REASON field 6 value 20151 Must start with 1;  
SXVX88 EGRR 040024  
BBXX  
MZBN2 04003 99262 50112 41498 13608 %20151 40227 52024 70100 81100  
22213 2//// 3//// 4//// 5//// 80168=  
.....

REJT03 EGRR 050633  
REASON Badly formatted message - group in section 1 wrong number of  
characters 0155  
SXVX88 EGRR 050632  
BBXX HZGH 05062 99131 10543 41498 24005 10270 20234 0155 53030  
70200 804// 22224 02310 20302 160// 40901 5//// 80245=  
.....

94040190=METO G  
440327010=MTRE X  
.....

REJT03 EGRR 070544  
REASON No valid lat/long found  
SXVX88 EGRR 070542  
BBXX 4XFC 07064 99469N 11586 435498 80815 10118 20080 40145 56005  
//// 8887/ 22224 00111 20301 33/// 40602 5//// 80095  
.....

94040190=METO G  
442807010=ZPCF X  
.....

REJT03 EGRR 070623  
REASON Invalid time value found  
SXVX88 EGRR 070621  
CI  
554954462030373036312039393434372037303038382034323539382036  
323430322031303138352034303233370D0A353330303420383535343020  
32323238332030303138302032303330312033333230302034303930362D  
0D0A4E4E0D0A  
94040190=METO G  
427320332=UJTT X  
.....

REJT03 EGRR 071458  
REASON Badly formatted message - group in section 1 wrong number of  
characters /18415  
SXVX88 EGRR 071457  
BBXX ZCDE4 07124 99021 70066 41/98 /18415 10255 20218 40104 58003  
70122 8//// 22274 00265 2189 319/ 4903 5// 6/// 80230 ICE////=  
.....

94040190=METO G  
431037810=ZCDE  
.....

REJT03 EGRR 080026  
REASON Badly formatted message - group in section 1 wrong number of  
characters 730010  
SXVX88 EGRR 080024  
BBXX UCAB 07001 99216 50405 41598 730010 10220 41135 55003 70222  
87070 22213 00220 20403 31000 40504=  
94040190=METO G  
427300117=UKXD X  
.....

REJT03 EGRR 081202  
REASON Invalid time value found  
SXVX88 EGRR 081201  
CI

STRATOS CSAT 421055611=ARKH X 8-OCT-2006 12:02:22 903689

TO+MAAG'RUMP-KG.DE  
ARKH 101.54.177  
TO WILHELM RUMP/MAAG  
DEAR MR.MAAG,  
SUPPLY AT 1309/0900LT IS O.K.  
BRGDS  
MASTER

94040190=METO G  
421055611=ARKH X

REJT03 EGRR 090231  
REASON Badly formatted message - group in section 1 wrong number of  
characters 817414  
SXVX88 EGRR 090230  
BBXX ZCDE4 09004 99081 70153 41397 817414 10255 20246 40109 50002  
76066 8522/ 22274 00290 2801 317/ 4803 5/// 6/// 80250 ICE/////=  
.....

94040190=METO G  
431037810=ZCDE X

REJT03 EGRR 090628  
REASON field 6 value 80150 Must start with 1;  
SXVX88 EGRR 090627  
BBXX  
MMER9 09063 99566 10060 41297 81925 %80150 20113 40129 57036 76022  
86810 22253 00140 20604 3//// 4//// 5//// 80130=  
.....

REJT03 EGRR 091147  
REASON Badly formatted message - group in section 1 wrong number of  
characters 580102  
SXVX88 EGRR 091146  
BBXX ZCBZ5 09123 99043 11125 41397 82312 10260 20230 40104 580102  
71362 8472/ 22254 02260 20302 3//// 40503 80240=  
.....

94040190=METO G  
431023020=TALC X

REJT03 EGRR 100612  
REASON No valid lat/long found  
SXVX88 EGRR 100610  
BBXX MGYF6 10064 9937 71367 41398 80311 00/// 10190 2016/ 40220  
54000 70321 8846/ 22265 00150 20301 3//// 4//// 5//// 6////  
80170 =  
.....

REJT03 EGRR 110618  
REASON Badly formatted message - group in section 1 wrong number of  
characters 886///  
SXVX88 EGRR 110617  
BBXX UGNQ 11061 99693 10435 41  
396 82308 10045  
40243 57040 7  
5152 886/// 22221 20402=  
.....

94040190=METO G  
427300710=UGNQ X

REJT03 EGRR 111203  
REASON Badly formatted message - group in section 1 wrong number of  
characters 4015  
SXVX88 EGRR 111202  
BBXX MGYF6 11124 99364 71500 41298 30620 00/// 10190 2016/ 4015  
52025 70200 82/// 22265 00195 20604 320// 41007 5//// 6////  
80170=  
.....

94040190=METO G  
423500526=SNBR X

.....  
REJT03 EGRR 111207  
REASON field 6 value 16260 failed 1SnTTT test1;  
SXVX88 EGRR 111205  
BBXX  
MZBN2 11123 99069 30106 41397 82007 %16260 20215 40069 58015 70222  
8/77/ 22200 00240 20100 320// 40706 5//// 80230=  
.....

REJT03 EGRR 111213  
REASON Badly formatted message - group in section 1 wrong number of  
characters 110121  
SXVX88 EGRR 111212  
BBXX UGNQ 110121 99693 10430 4  
1396 82510 10055  
40205 57020  
75152 886// 22221 20403=  
.....

94040190=METO G  
427300710=UGNQ X

.....  
REJT03 EGRR 112355  
REASON Invalid time value found  
SXVX88 EGRR 112354  
CI

STRATOS CSAT 430938910=NAVI X 11-OCT-2006 23:54:57 998461

TO : CROSS CORSEN,SURNAV FRANCE  
FM : NARIVA

- A) NARIVA,C6PW2,BAHAMAS
- B) 11/10/06//2300Z
- C) LAT 49-35N 006-01W
- E) 182(T)
- F) 15.0 KTS.
- G) EASTHAM, U.K.
- H) 12/10/06//0030Z
- I) BAYONNE, FRANCE
- K) NA
- O) 6.80 M
- P) 11,197.616 MT /METHANOL/ CATEGORY D / 1230
- Q) NIL
- U) CHEMICAL TANKER
- Z) END

94040190=METO G  
430938910=NAVI X

.....  
REJT03 EGRR 120441  
REASON No valid lat/long found  
SXVX88 EGRR 120439  
BBXX  
DBBH 11211 99398 10187 41/97 /3508 10204 20171 40160 52003  
7//// 22211 04212 =  
BBXX  
DBBH 11211 99398 10187 41/97 /3508 10204 20171 40160 52003  
7//// 22281 04212 =  
BBXX  
DBBH 11211 99398 10187 41/97 /3508 10204 20171 40160 51001  
7//// 22281 04212 =  
BBXX  
DBBH 12001 99/// //// 41/// //// \//// 2//// 4//// 5////  
7//// 222// 0//// =  
BBXX  
DBBH 12031 99/// //// 41/// //// \//// 2//// 4//// 5////  
7//// 222// 0//// =

94040190=METO G  
421176910=METE X

.....  
REJT03 EGRR 131039  
REASON Invalid time value found

SXVX88 EGRR 131038  
CI

STRATOS CSAT 430887210=MZKE X 13-OCT-2006 10:37:37 267542

639163150480Å HI THART TATAWAGAN KITA NGAYON KAYA MAGHANDA KA MAGKANO  
ANG NAILAGAY MO NA PERA SA PETRON, KAILANGAN BAGO SILA DUMATING, AY  
TANGAGALIN MO SA ACCNT NIYA TRANSFER LANG SA ACCNT NATIN.

94040190=METO G  
430887210=MZKE X

.....  
REJT03 EGRR 151111  
REASON Invalid time value found  
SXVX88 EGRR 151109  
CI

STRATOS CSAT 421056110=LYAP X 15-OCT-2006 11:10:32 088244

TO+BOCS.BREMEN'BOCS.DE  
CC+OPS'BONMAR.CH  
FM ANATOLIY LYAPIDEVSKIY

NR15/OCT/NOON  
3104N/01453W  
13,1/13,2  
3132 MILES  
1399 MILES  
BROB IFO/922 MGO/195  
SW4/SW3/1,5 M/198  
ETA PILOT STATION DOULA 25/OCT/1000  
MASTER

94040190=METO G  
421056110=LYAP X

.....  
REJT03 EGRR 161226  
REASON field 6 value 40216 Must start with 1;  
SXVX88 EGRR 161224  
BBXX  
VQFV3 16123 99456 10136 41498 20722 %40216 50005 70200 8/100 22200  
2//04 300// 4//// 5////=  
.....

REJT03 EGRR 161227  
REASON Invalid time value found  
SXVX88 EGRR 161225  
BBXX P3NF5 164121 99257 70167 41399 73304 10260 40166  
54000 70322 87451 22253 00/// 20000 336// 41202

94040190=METO G  
421056110=LYAP X

.....  
REJT03 EGRR 161236  
REASON Badly formatted message - group in section 1 wrong number of  
characters 616124  
SXVX88 EGRR 161235  
BBXX C6JE5 616124 99075 30593 41397 81222 10257 20240 40098 56///  
78022 887// 22223 04265 20303 31299 40807 5//// 80245=  
94040190=METO G  
430800327=WEST X

.....  
REJT03 EGRR 171421  
REASON Invalid time value found  
SXVX88 EGRR 171410  
CI

STRATOS CSAT 430948710=SSLA X 17-OCT-2006 14:09:46 147249

FM:LNG ABUJA  
TO:ANGLOEASTERN  
SUBJ: GMDSS MONTHLY TEST

GOOD DAY,

THIS IS A MONTHLY GMDSS TEST MESSAGE.

PLEASE ACKNOWLEDGE RECEIPT.

BEST REGARDS,

MASTER.

94040190=METO G  
430948710=SSLA X

.....  
REJT03 EGRR 181949  
REASON Invalid time value found  
SXVX88 EGRR 181946  
CI

STRATOS CSAT 424600220=ISIS X 18-OCT-2006 19:45:34 182247

PHENOMENA REPORT

SHIP/RIG/PLATFORM NAME----- : CORAL ISIS  
CALL SIGN/ID----- : PDBE  
LATEST OBS----- : 18-10-2006 17.00 UTC  
VOYAGE FROM----- : NORWAY  
VOYAGE TO----- : TEMA  
PHENOMENA CATEGORY----- : LIGHTNING  
PHENOMENA LATITUDE----- : 06-09.9N  
PHENOMENA LONGITUDE----- : 011-48.5W  
PHENOMENA DATE----- : 18 OCT UTC  
PHENOMENA TIME----- : 19.30 UTC  
PHENOMENA OBSERVER 1----- : RICHARD RJM APPRANTICE  
PHENOMENA OBSERVER 2----- : -  
PHENOMENA OBSERVER 3----- : -  
MASTER----- : TEULING DEN LCJDT  
PHENOMENA PHOTO----- : NO  
PHENOMENA BAROGRAM----- : NO  
PHENOMENA SKETCH----- : NO  
PHENOMENA ILLUSTRATION----- : NO  
WRITTEN ACCOUNT----- :  
CONTINOUS LIGHTNING FOR SEVERAL HOURS.

94040190=METO G  
424600220=ISIS X

.....  
REJT03 EGRR 190001  
REASON Badly formatted message - group in section 1 wrong number of  
characters 414498  
SXVX88 EGRR 190000  
BBXX ZCDE3 18004 99093 70556 414498 71517 10268 20244 40130 55021  
70022 8/222 22274 00260 2020530214 40304 50203 80251

94040190=METO G  
431037010=ZCDE X

.....  
REJT03 EGRR 190643  
REASON No valid lat/long found  
SXVX88 EGRR 190641  
BBXX PDHP 19063 19441 70091 41397 82440 10175 20170 49933 57///  
76062 84971 22215 2///  
31411 41007 5///  
80172=

94040190=METO G  
424429810=PDHP X

.....  
REJT03 EGRR 191153  
REASON Badly formatted message - group in section 1 wrong number of  
characters 102283  
SXVX88 EGRR 191151  
BBXX ZCDE3 19124 99111 41698 61619 102283 20262 40074 50020 70111  
8/234 22274 00251 20004 31600 40002 5000 80268.

94040190=METO G  
431037010=ZCDE X

.....  
REJT03 EGRR 191218  
REASON Invalid time value found  
SXVX88 EGRR 191216  
CI

.....  
STRATOS CSAT 421998111=OWAY X 19-OCT-2006 13:19:14 202629

PHENOMENA REPORT

SHIP/RIG/PLATFORM NAME----- : LICA MFRSK  
CALL SIGN/ID----- : OWAY2  
LATEST OBS----- : 19-10-2006 12.00 UTC  
VOYAGE FROM----- : PECEM, BRAZIL  
VOYAGE TO----- : ALGECIRAS, SPAIN  
PHENOMENA CATEGORY----- : DOLPHIN  
PHENOMENA LATITUDE----- : 20-22,9N  
PHENOMENA LONGITUDE----- : 20-24,3W  
PHENOMENA DATE----- : 19-OCT-2006 UTC  
PHENOMENA TIME----- : 1256 UTC  
PHENOMENA OBSERVER 1----- : KIERSING MN MO3  
PHENOMENA OBSERVER 2----- : -  
PHENOMENA OBSERVER 3----- : -  
MASTER----- : JXRGEN CHRISTIAN ANDERSEN  
PHENOMENA PHOTO----- : NO  
PHENOMENA BAROGRAM----- : NO  
PHENOMENA SKETCH----- : NO  
PHENOMENA ILLUSTRATION----- : NO  
WRITTEN ACCOUNT----- :  
SMALL SCHOOL OF DOLPHINS OBSERVED, SWIMMING AND JUMPING

94040190=METO G  
421998111=OWAY X

.....  
REJT03 EGRR 200626  
REASON Invalid time value found  
SXVX88 EGRR 200624  
CI  
544F3A204F42532057580D0A464D3A204D4153544552204D2E542E204741  
4E444841520D0A0D0A57454154484552205245504F52542032302E31302E  
323030360D0A0D0A20424258582020204154534620202032303036342020  
203939313533202020313038363220202034313439370D0A203931303135  
202031303237302020343031353220202037303336322020203838373231  
20202032323231330D0A0D0A4245535420524547415244530D0A4D415354  
45520D0A  
94040190=METO G  
441905010=GNDR X

.....  
REJT03 EGRR 201439  
REASON Badly formatted message - group in section 1 wrong number of  
characters /31309  
SXVX88 EGRR 201437  
BBXX ZCDE4 20124 99276 70165 41/98 /31309 10255 20218 40156 54/ 70000  
8//// 22253 00240 2902 333/ 41002 5// 6/// 80230 ICE/////=  
.....

94040190=METO G  
431037810=ZCDE X

.....  
REJT03 EGRR 210254  
REASON Badly formatted message - group in section 1 wrong number of  
characters /33310  
SXVX88 EGRR 210252  
BBXX ZCDE4 21004 99245 70175 41/98 /33310 10235 20196 40148 54/ 70000  
8//// 22253 00240 21002 334/ 4902 5// 6/// 80215 ICE/////=  
.....

94040190=METO G  
431037810=ZCDE X

.....  
REJT03 EGRR 221338  
REASON No valid lat/long found  
SXVX88 EGRR 221336  
BBXX GYHN 2212399163 3167741698 4151610249 2024840118 70352843//  
2220002260 20201 80248 NNNN  
94040190=METO G  
423499017=GYHN X

.....  
REJT03 EGRR 231703  
REASON Invalid time value found  
SXVX88 EGRR 231702  
CI

STRATOS CSAT 421137367=HADW X 23-OCT-2006 17:03:36 310169

NNNN

94040190=METO G  
421137367=HADW X

.....  
REJT03 EGRR 240559  
REASON Badly formatted message - group in section 1 wrong number of  
characters KKKK  
SXVX88 EGRR 240557  
BBXX ZCAM9 24064 99406 70713 41/98 63025 10100 40400 70217

KKKK

.....  
REJT03 EGRR 261710  
REASON field 6 value 40130 Must start with 1;  
SXVX88 EGRR 261709  
BBXX  
ELVF5 26171 99058 40967 41598 62109 %40130 54000 7//11 85868 22224  
20406 32318 40404 50303=

.....  
REJT03 EGRR 271848  
REASON Invalid time value found  
SXVX88 EGRR 271427  
CI

STRATOS CSAT

TO:  
SUBJECT: PRIVATE ORDER

TO: RR WORLD SHIPCHANDLER'S LTD.  
FM: MASTER  
27 OCT. 06

GOOD DAY,

UNDERSTAND FM MR. BRUSSO OF INTERNATIONAL CATERING TT YOU  
WILL BE SUPPLYING OUR PROVISION AT TUBARAO. PLS GIVE US UR  
QUOTATION OF OUR PRIVATE ORDER AS FLWS:

- 1) BACARDI LEMON (BTL)
- 2) BACARDI BLACK (BTL)
- 3) BACARDI GOLD (BTL)
- 4) BACARDI WHITE (BTL)
- 5) BEER (CASE)
- 6) COKE 1.5 LTR (CASE)
- 7) SUCKLING PIG WHOLE (ABT 15 KGS)

AWAITING YOUR KIND REPLY.  
KINDLY USE OUR INM-C EMAIL:

.....  
REJT03 EGRR 300059  
REASON Invalid time value found  
SXVX88 EGRR 300057  
CI

STRATOS CSAT 423313720=MQYS X 30-OCT-2006 00:56:04 467825

PHENOMENA REPORT

SHIP/RIG/PLATFORM NAME----- : SEA AMETHYST  
CALL SIGN/ID----- : MQYS5  
LATEST OBS----- : 29-10-2006 12.00 UTC  
VOYAGE FROM----- : MURMANSK  
VOYAGE TO----- : BELFAST  
PHENOMENA CATEGORY----- : AURORA BOREALIS  
PHENOMENA LATITUDE----- : 70 44 00  
PHENOMENA LONGITUDE----- : 021 06 00  
PHENOMENA DATE----- : 30.10.06 UTC  
PHENOMENA TIME----- : 0000 UTC  
PHENOMENA OBSERVER 1----- : MC DONALD JMCD CADET  
PHENOMENA OBSERVER 2----- : WAI LU W 2/O  
PHENOMENA OBSERVER 3----- : CRABTREE AL CADET  
MASTER----- : D FARDO  
PHENOMENA PHOTO----- : YES  
PHENOMENA BAROGRAM----- : NO



PHENOMENA SKETCH----- : NO  
PHENOMENA ILLUSTRATION----- : NO  
WRITTEN ACCOUNT----- :  
OCCASSIONALY SIGHTED THE PHENOMENA. GREEN IN COLOUR.  
PHOTO'S TAKEN BUT UNABLE TO ATTACH.

.....  
REJT03 EGRR 310023  
REASON Badly formatted message - group in section 1 wrong number of  
characters 727836  
SXVX88 EGRR 310021  
BBXX ZCBE7 31003 99480 70606 41598 727836 10050 20050 49900 5///  
76022 867// 22273 00160 20506 327// 40606 5/// 6/// 80050=

94040190=METO G  
431014011=ENDX X  
.....

REJT03 EGRR 080137  
REASON Badly formatted message - group in section 1 wrong number of  
characters 7002289  
SXVX88 EGRR 080136  
OBS BBXX UIAG 08001 99710 10400 41/97 90000 11010 40039 52020 7002289  
/// 22241 04055 20000-

94040190=METO G  
427301027=UIAG X  
.....

REJT03 EGRR 081854  
REASON field 6 value 13215 failed 1SnTTT test1;  
SXVX88 EGRR 081853  
BBXX  
9HXD6 30612 08183 99118 70933 43498 %13215 10290 20250 40132 52002  
7/// 81/// 22274 00290 20201 3/// 4/// 5/// 80260=