
APPENDIX L**OBSERVED ERRORS IN OPMET DATA AND CORRECTION SOLUTIONS****1. Observed Errors****1.1 Abbreviated Header Line (AHL) Dates**

Below are examples of certain rejects which have been observed on a regular basis:

YYGGgg with the time zone designator 'Z' appended is caused by human error and happens often.

e.g.

SAUK02 EGGW 201650Z<CR><CR><LF>

SIGMETS are received for some FIRs which include a number following the YYGGgg in the AHL.

e.g.

WSAZ31 LPMG 221749<SP>7<CR><CR><LF>

1.2 TAF AMD and COR errors

This occurs very often on a daily basis and is probably responsible for the majority of rejects experienced on the system. It is due to incorrect practices by administrations in other regions and as such, is not easily remedied for a number of reasons.

e.g.

FTCN33 CWA0 230704 AAA<CR><CR><LF>

TAF AMD CYHZ 230704Z etc.

It is assumed that the reason for the inclusion of AMD in the body of the TAF is that if the individual forecasts are stored in a database without any reference to the AHL of the bulletin in which they were contained then the indication that it is an amendment is lost to the user. It should be noted that states which issue TAFs in this format also include the optional date of forecast group so that late arriving amendments should be identifiable.

1.3 *Miscellaneous Data before the AHL or after the last report.*

Many messages are received which have miscellaneous data between the AFTN Origin line and the bulletin AHL. This can consist of a blank line (probably caused by additional alignment function).

e.g.
230611 0LLLYPYX<CR><CR><LF>
<CR><CR><LF>
SAIR31 OIII 230600<CR><CR><LF>

or text entered by the originating centre,

e.g.
221802 LCLKYMYX<CR><CR><LF>
FOR MOTNE<CR><CR><LF>
SACY31 LCLK 221800 etc.

Messages are received from AFTN sources which have information appended which are not currently processable by MET systems.

e.g.
.....06/05 Q1020=<CR><CR><LF>
DUPE<CR><CR><LF>
<VT>
<ETX>

and

.....06/05 Q1020=<CR><CR><LF>
--QTB--<CR><CR><LF>
<VT>
<ETX>

2. Solution using Automatic Correction

2.1 *Abbreviated Header Line Dates*

If a bulletin is received with YYGGggZ in the AHL, then the system shall automatically correct it by removing the 'Z'.

e.g.

SAUK02 EGGW 201650Z<CR><CR><LF>

shall be modified to

SAUK02 EGGW 201650<CR><CR><LF>

If an AHL is received with a single character following the YYGGgg, then it shall be corrected by deleting that character and any spaces between YYGGgg and the alignment function.

e.g.

WSAZ31 LPMG 221749<SP>7<CR><CR><LF>

shall be corrected to

WSAZ31 LPMG 221749<CR><CR><LF>

2.2 *Miscellaneous Data before the AHL or after the last report.*

If any blank lines which consist of superfluous spaces and/or alignment functions are found between the AFTN Origin line and the AHL, then they shall be automatically deleted.

e.g.

230611 OLLLYPYX<CR><CR><LF>

<STX><CR><CR><LF>

SAIR31 OIII 230600 etc.

shall be output as

230611 OLLLYPYX<CR><CR><LF>

<STX>SAIR31 OIII 230600 etc.

It shall be possible to configure a list of text strings, that if found between AFTN Origin line and the AHL, shall be automatically deleted from the message.

e.g.

assuming that 'FOR MOTNE' is one of the configured strings then

221802 LCLKYMYX<CR><CR><LF>

<STX>FOR MOTNE<CR><CR><LF>

SACY31 LCLK 221800 etc.

shall be output as

221802 LCLKYMYX<CR><CR><LF>

<STX>SACY31 LCLK 221800 etc.

It shall be possible to configure a list of text strings, that if found between the last '=' and the <VT><ETX>, shall be automatically deleted from the message.

e.g.

assuming that 'DUPE' is one of the configured strings

.....06/05 Q1020=<CR><CR><LF>

DUPE<CR><CR><LF>

<VT>

<ETX>

the word 'DUPE', along with any alignment functions, shall be deleted and the message shall be output as

.....06/05 Q1020=<CR><CR><LF>

<VT>

<ETX>

and

assuming that '--QTB--' is one of the configured strings

--QTB--<CR><CR><LF>

<VT>

<ETX>

the word '--QTB--', along with any alignment functions, shall be deleted and the message shall be output as

.....06/05 Q1020=<CR><CR><LF>

<VT>

<ETX>
