





















## 2.4 On-Screen Messages

acarsd provides all information on-screen. A correction of the data is not done. acarsd is a **Real Time Decoder!**

Messages decoded correctly without parity errors are displayed in grey. Messages containing text errors are shown in white while the actual text will not be displayed. Messages containing other errors will be displayed in binary (red) while the error message will be shown in cyan.

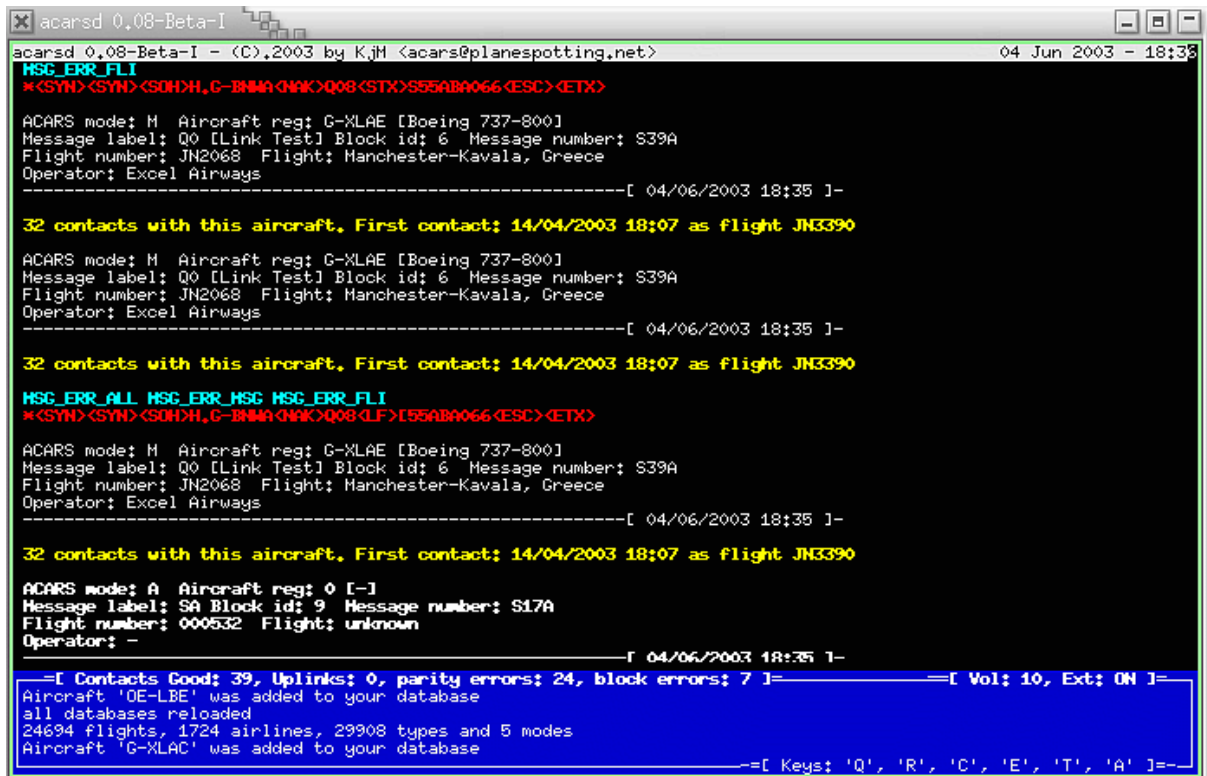


Figure 3

### Description of the error flags:

<code>MSG_ERR_ALL</code>	Parity error within the message
<code>MSG_ERR_REG</code>	Error in the type of aircraft
<code>MSG_ERR_LAB</code>	Error in the message label
<code>MSG_ERR_BLK</code>	Error in the block ID of the message
<code>MSG_ERR_MSG</code>	Error in the message number
<code>MSG_ERR_FLI</code>	Error in the flight number
<code>MSG_ERR_EXT</code>	Parity error in the text block of the message



## 2.4.1 On-Screen Statistics

Statistics can be provided when acarsd is running in client mode (or not as daemon). Pressing key **A** opens the statistic window and shows the daily contacts of the various airlines (see **Fehler! Verweisquelle konnte nicht gefunden werden.**). Using key **T** provides statistics about the types of aircraft.

*Both statistics refer to the same day and are cleared automatically at 0.00 am. The window will be closed automatically when a message is decoded. Pressing either the A or T keys closes the window.*

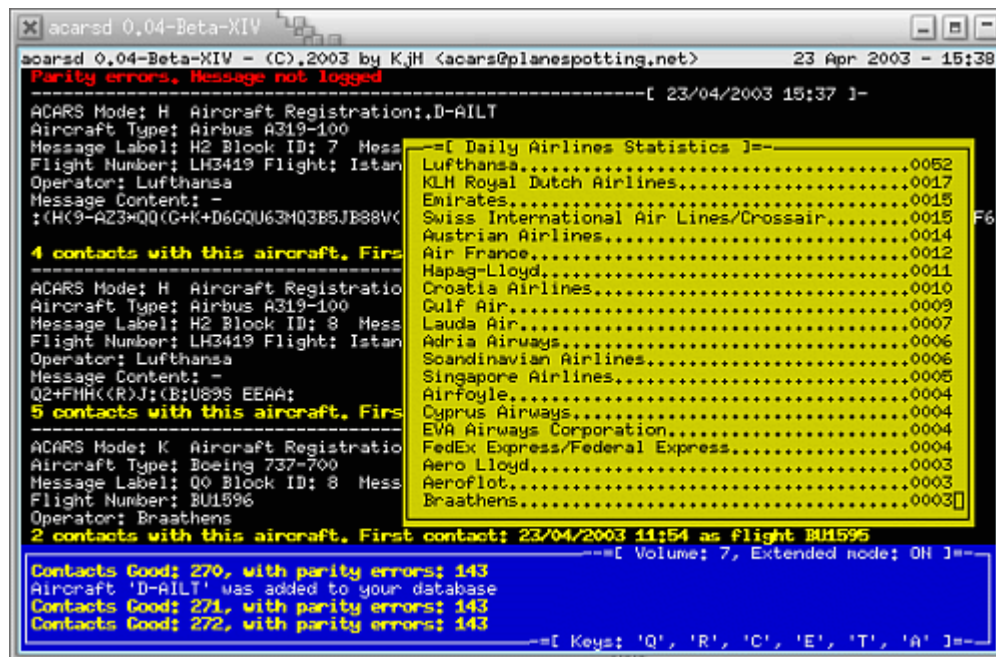


Figure 4



### 3 Log files

acarsd writes log files, which automatically rotate at midnight. The log files are stored in the same directory as acarsd unless the option `-l` has been used during startup. The log files always use the following scheme:

#### acarsd-YYYYMMDD.log

<b>YYYY</b>	<b>Year</b>
<b>MM</b>	<b>Month</b>
<b>DD</b>	<b>Day</b>

Example for the contents of a log file (running in acarsd mode):

```

-----[ 01/04/2003 10:08 ]-
ACARS Mode: 0 Aircraft Registration: VP-BAH
Aircraft type: Boeing 737-400
Message Label: 5U Block ID: 3 Message Number: M65A
Flight Number: SU0281
Operator: Aeroflot
Message Content: -
  01 WXRQ 0281/01 UUEE/LIRF .VP-BAH
/TYP 1/STA LIRF/STA /STA
-----[ 01/04/2003 10:27 ]-
ACARS Mode: A Aircraft Registration: D-AIAR
Aircraft type: Airbus A300
Message Label: _ Block ID: 9 Message Number: S49A
Flight Number: LH3422
Operator: Lufthansa
Message Content: -

```

When acarsd is started with option `-A`, in addition to the acarsd log file a 100% compatible AIRNAV file will be generated. The filename is:

#### ANAD-YYYYMMDD.log

<b>YYYY</b>	<b>Year</b>
<b>MM</b>	<b>Month</b>
<b>DD</b>	<b>Date</b>

These files can be used with AirNav Suite, and it should be possible to use them with other commercial available products.















## 9.4 Communication with Clients

The server always responds to one request per client. Therefore all clients have the same priority and possible DOS attacks should not stop the server.

*Requests and reports are never transmitted simultaneously!  
Reports have priority over requests!*

## 9.5 Available Clients

Graphical Clients for LINUX and Windows are available at [www.acarsd.org](http://www.acarsd.org) for downloading.

## 9.6 Live ACARS on the web.

It is possible to view live ACARS directly on the web. Browse to <http://www.planespotting.net/acarsd/LIVE/>. Required for this is a modern browser, and Javascript and cookies need to be activated. This has been tested using Mozilla, Netscape (version 6) and MS Internet Explorer, and this did not cause any problems.

## 10 Licenses and Tools

acarsd may only be distributed in an unmodified form. Translation of the ASM code is absolutely prohibited.

The following tools/libraries are internally used within acarsd:

*Collections by Stefan Briesenick [sbriesen@gmx.de](mailto:sbriesen@gmx.de)*

These tools allow the creation of very fast databases. Collections can be used universally, so that all internal statistics and all required data in a sorted form can be linked within these Collections.

