



# POLARIS transfer

Leading the way with internet flight data analysis

Supporting all common media and flight data formats, POLARIS transfer combines advanced data recognition algorithms with secure, reliable web transfer protocols to provide the robust solution for your flight data collection needs.

<b>Ease of use</b> <b>Takes less time to download and transmit data</b>	
Simple user interface	Contemporary user interface simplifies use without compromising functionality
Aircraft identification	Aircraft is identified, either automatically or by user selection
Offline mode	Data can be downloaded offline and held on the transfer unit for later transmission
Compatible with most aircraft	Compatible with all common media and flight data formats
No data retained on unit	No backup or maintenance required
Fast, easy install	All dependent components are packaged together in one simple installer
<b>Reliable</b> <b>No data is lost in transmission. Urgent investigations are not delayed</b>	
Robust transfer protocol	Uses the industry standard WebDAV protocol for data transfer
Secure transfer protocol	All communication and data transfer is encrypted using industry standard HTTPS
Highly efficient compression algorithm	Ensures the smallest upload possible – shortest transfer times
Reliable error recovery	Uploads automatically resume following loss of Internet connectivity
<b>Excellent support</b> <b>If problems arise, they can be fixed quickly</b>	
Centralised administration	Logging, monitoring, fleet management and GeoIP tracking all included
Diagnostics	Integrated diagnostics will automatically identify connectivity issues
Support team available	FDS engineers have world-class experience in data transmission
Automatic upgrade	Automatic updates are applied with no user input and without affecting data transfer
<b>Technically superior</b> <b>Details for the flight data processing specialist</b>	
Duplicate upload prevention	Uses digital signatures to prevent upload of duplicate flight data
Flight splitting	Where possible the flight data is split into sectors prior to upload
Data conversion	Flight data is decoded and byte aligned for use with all flight data applications
Uses industry standard Open protocols	HTTPS, WebDAV, XML-RPC, SHA1, JSON, REST, BZIP2
Multi-platform	Available for Ubuntu, Windows XP, Windows Vista and Windows 7
Modern Open Source languages	The web server uses Python, Django, Postgres and Apache. The transfer client uses Python, wxPython and FilterPype, Flight Data Services' Open Source flow programming framework



## POLARIS transfer Data Format Support

The following flight data formats are supported:

- AMS Afirs
- Avionica miniQAR
- Avionica RSU-II
- L3 F1000
- L3 FA2100
- L3 ROSE
- L3 microQAR
- Flight Data Systems HHMPI
- Flight Data Vision SSQAR
- Honeywell Handheld Download Unit
- Honeywell FDAMS
- Penny+Giles OQAR
- Penny+Giles PQAR
- Sagem DFDAU
- Sagem FDIMU
- Teledyne QAR
- Teledyne WGL
- Thales EQAR

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## Licensing

Your POLARIS transfer server can be hosted by Flight Data Services who will take care of all configuration, data management and system maintenance. This is the ideal choice for the airline or FDM/FOQA service provider who wants the best data transfer solution with minimum investment.

POLARIS transfer client is available for use under a software only license which can be easily installed on your own computer.

POLARIS transfer client is also available under a hardware license. Flight Data Services supply the hardware unit which is built on a secure Ubuntu Linux platform to ensure reliable and virus free operation. The hardware solution is configured so that it only runs the POLARIS transfer client, and includes remote desktop support capability so that the Flight Data Services support team can remotely control the transfer unit to help resolve technical issues.

### What our users have to say:

“...we really loved its simplicity and ease-of-use while hiding away the complexity of the work being done.”

(Lau, Denmark)



The World's Leading Flight Data  
Monitoring Service Provider