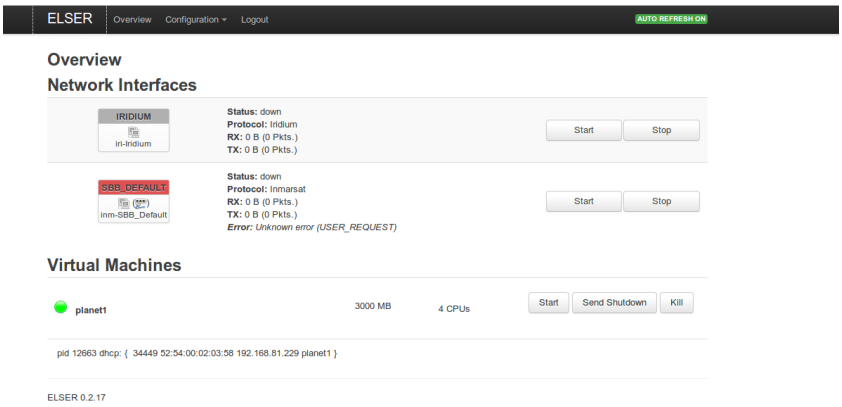
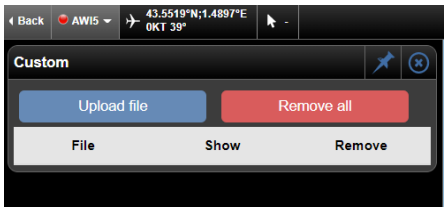
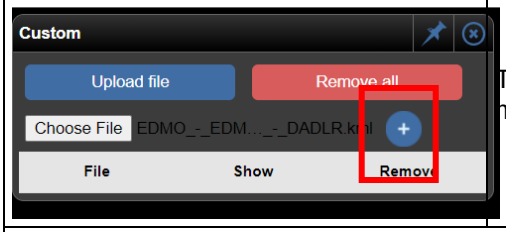
HALO Memorandum for HALO-AC3 Mission

Ground Access	
Access Web/Chat	Connect to https://planet.atmosphere.aero Login: halo_ground Password: halodlr
Instrument Log	https://planet.atmosphere.aero/logs/HALO/name.txt *name: name of the instrument defined during configuration (see list of instruments below)
On-board Access	
Wiring	[**Cabin LAN**] Connect the laptop to the Cabin LAN interface (cabin switches/ on-board Ethernet)
Satellite Link, PLANET VM	From a browser connect to the ELSER web interface: http://192.168.1.41  1. Activate the Satellite Link 2. Ensure that the Virtual Machine is running (the status display is green). Otherwise, click Start
PLANET Service	Connect to http://192.168.1.251/ to access PLANET webportal**:** Login: halo_board Password: halodlr 1. From **Live Monitoring** Page select **HALO-AC3** mission 2. **In the UI, please click on SATCOM OFF to enable the satellite communication. Both IRIDIUM and INMARSAT are initialized with this button**
Instrument Log	http://192.168.1.251/logs/HALO/name.txt *name: name of the instrument defined during configuration (see instrument list below)
Contact Support and Maintenance	
Email	support@atmosphere.aero
Phone	**+33 6 95 01 05 89**
Jean-Marc Gaubert	In case of urgent enquiries: +33 6 70 23 16 12
Natividad Ramos	Local support: +49 8153 88678-255 (German office)

Upload flight plan (.KML) using Custom Layer

The DLR flight planning tool has been switched from FlightStar to PPS. This new PPS software generates a .KML file for export. This file can be displayed in PLANET using the Custom Layer feature

1. Access the PLANET ground server (https://planet.atmosphere.aero)	PLANET ground server is accessed on the ground
2. Go to Live Monitoring menu and select HALO-AC3 mission	Planet Navigation Map is reached
3. Click on Custom button, in the right-down side of the screen	Custom menu opens on the link side; 
4. Click on “Upload File” and then on “Choose File”	A window opens, allowing you to select the file you want to upload (.KML extension)
5. Click on “+” button: 	The flight plan is now displayed on the PLANET navigation map

NOTE:

This file is not automatically transmitted to the board instance. To upload it on-board, you can send the file via the “File Transfer” and then repeat Steps 2-5 from PLANET on-board

Aircraft Selection

1. Access the “Aircraft Menu” on the Live Monitoring page	
2. Check status and select the available options	1. The LED of each aircraft in the mission can be **red** (if disconnected) or **green** (meaning SATCOM ink is up and PLANET on-board online) 2. Options of the menu: : show or hide the aircraft : show the distance calculator or hide it : choose the portion of the flight route to be displayed

3. Select the desired aircraft: - HALO - AWI5 - AWI6 - HMTO	Click on the aircraft of interest in the “Aircraft Menu” (Step 1) to access all its information

Instruments’ list

	Instrument	Label	Port	Transmission frequency (s)	Plotted?	Remarks
1	SHARC	SHARC	7072	20	Yes	Configured
2	BAHAMAS	IWG1	7071	20	Yes	Configured
3	specMACS	SLS	10001	10	No	Configured
4	specMACS	SST	10001	60	No	Configured
5	specMACS	SDA	10001	60	No	Configured

HDRS Dropsondes

The IP address has been statically defined as **192.168.1.206**. Do not change it in the dropsondes server, otherwise it will not connect with PLANET.

Credentials of the server for the communication with PLANET are:

User: Planet
Password: a