



# COCOTE - BALLON

COmpact COmpton Telescope  
en BALLON

*Aire sur l'Adour*

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*2 juillet 2016*

# Aire sur l'Adour



# Aire sur l'Adour



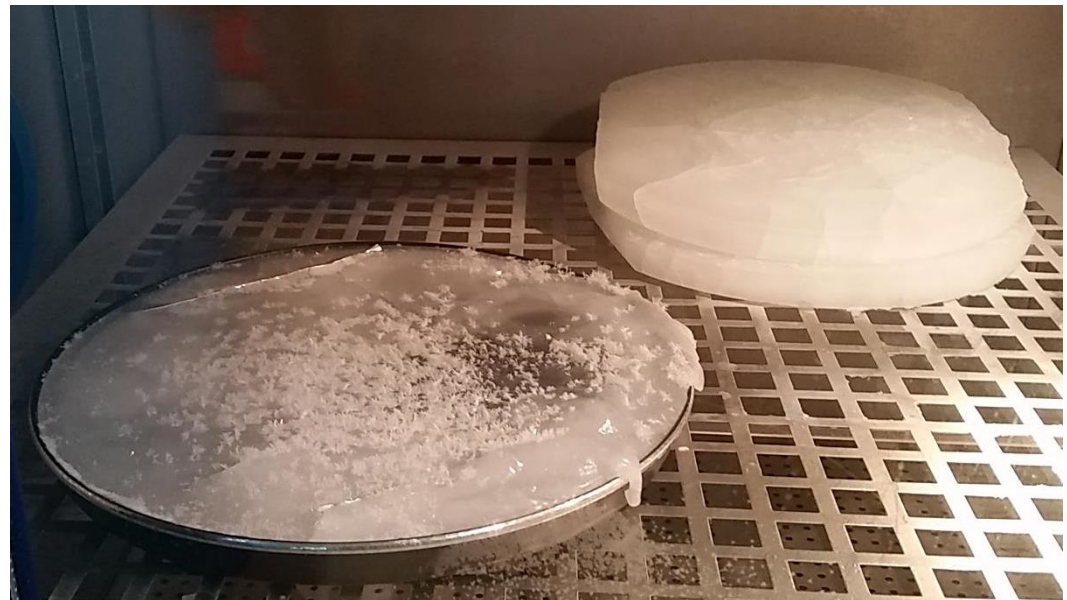
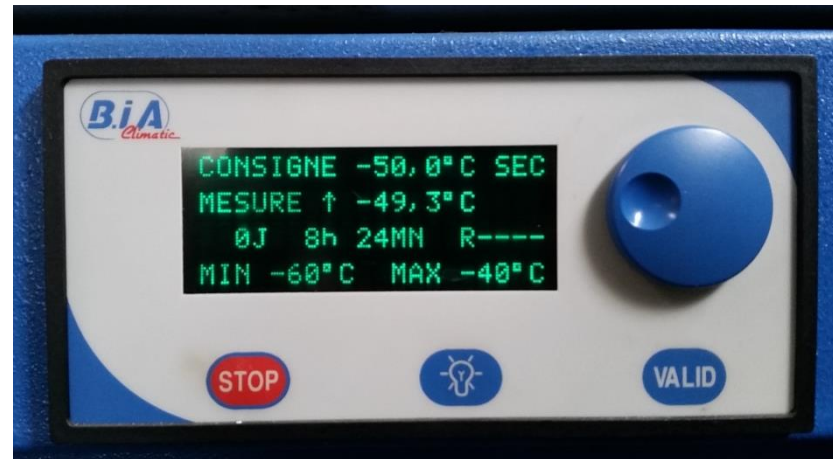
# Aire sur l'Adour



# Une cocotte ....



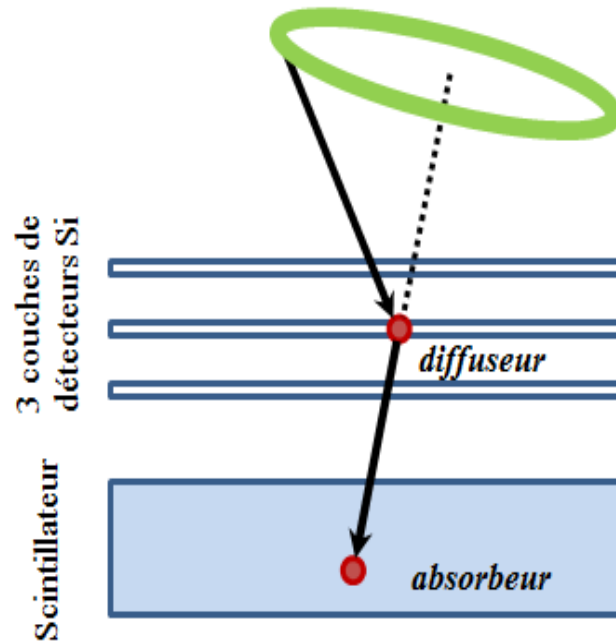
# Un moule à tarte & des glaçons....



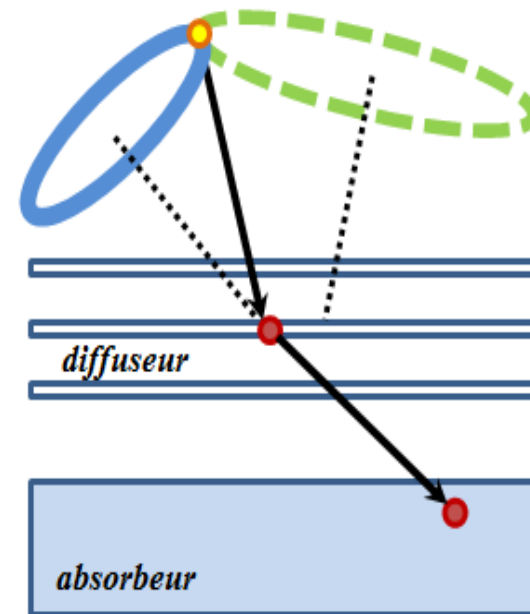
# Un conteneur ...



# Quelques détecteurs ...



a/ 1<sup>er</sup> Evénement Compton.



b/ 2<sup>ème</sup> Evénement Compton issu de la même source et reconstruction de la direction d'où provient la source.



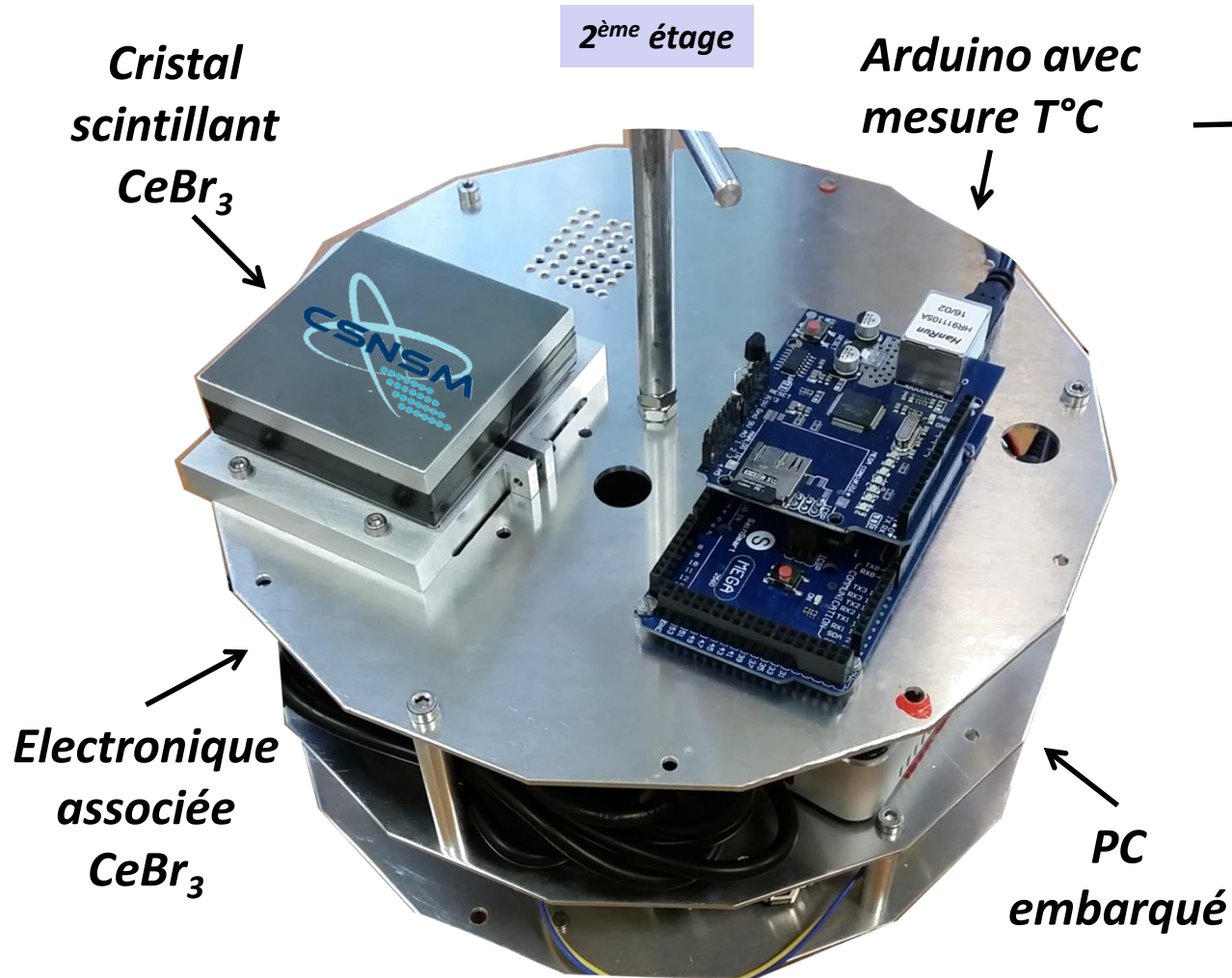
# Quelques détecteurs ...



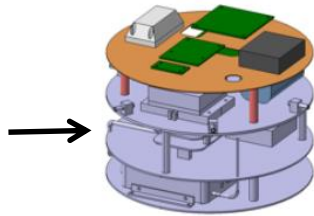
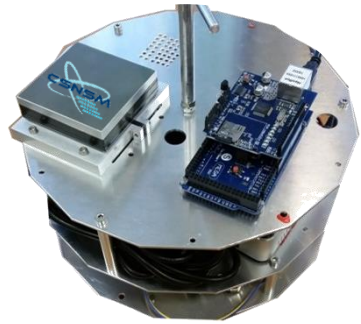
# Quelques détecteurs ...



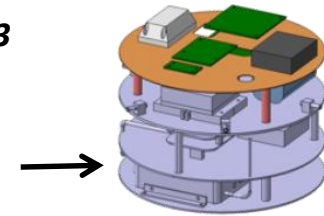
## Détecteur $CeBr_3$



# Quelques détecteurs ...



Détecteur  $CeBr_3$



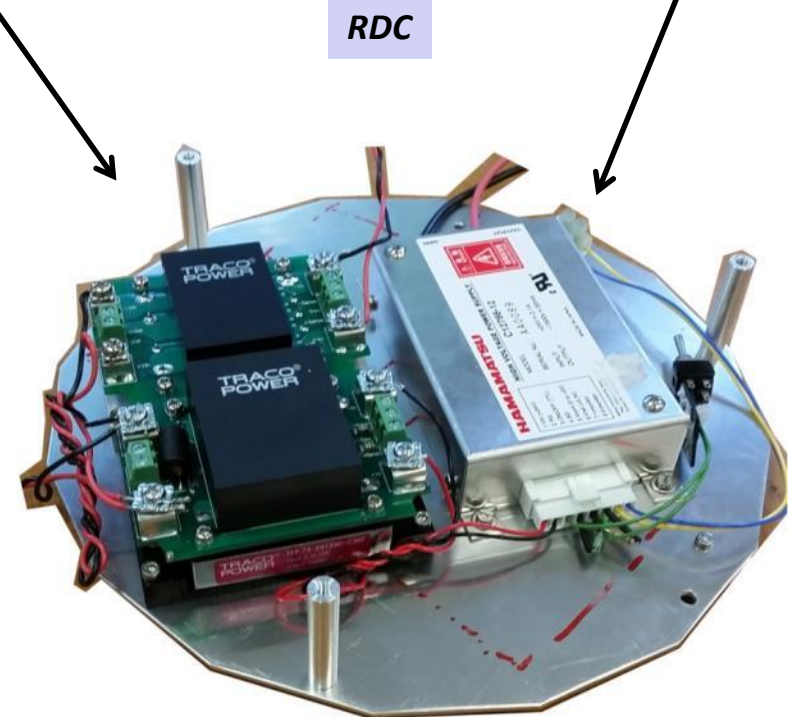
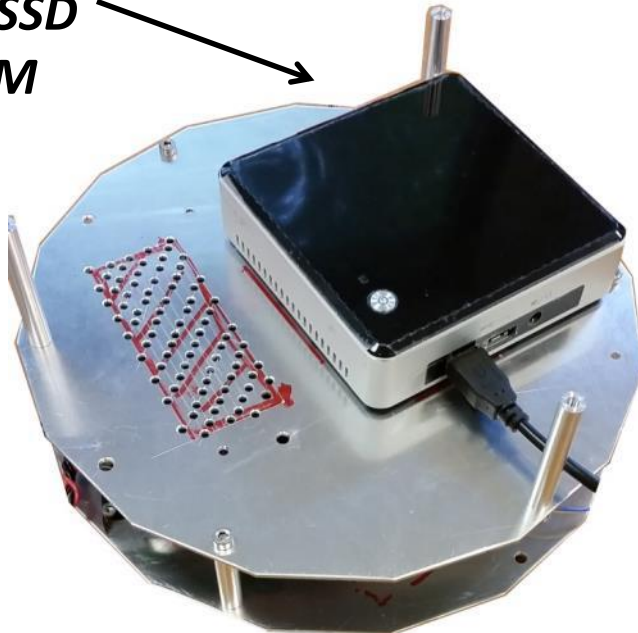
Convertisseurs DC-DC  
10-36V vers 15V et 24V

Alimentation HT  
-1000V

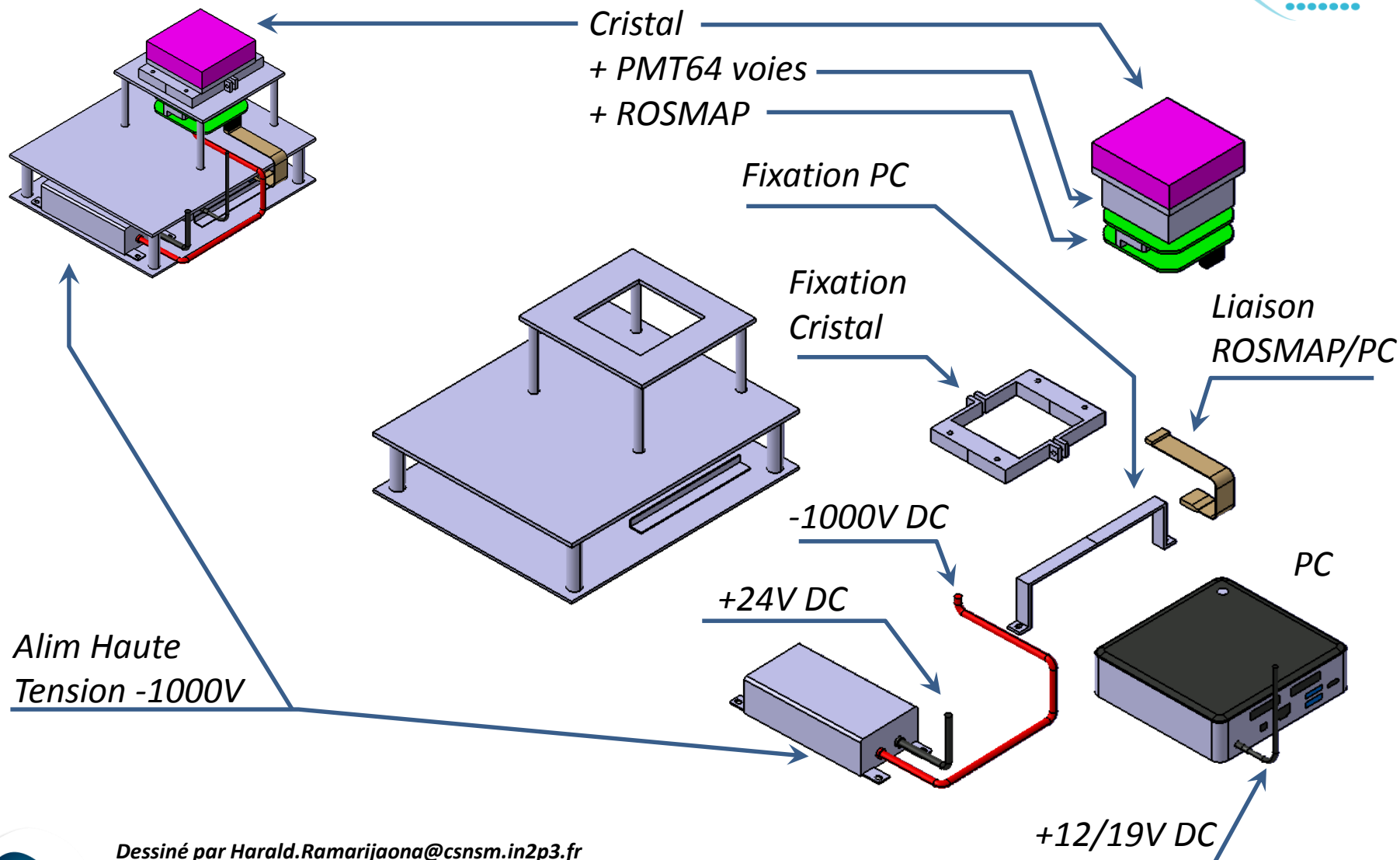
PC Core i5  
256 Go SSD  
8 Go RAM  
Wifi

1<sup>er</sup> étage

RDC



# Vue d'ensemble de l'instrument

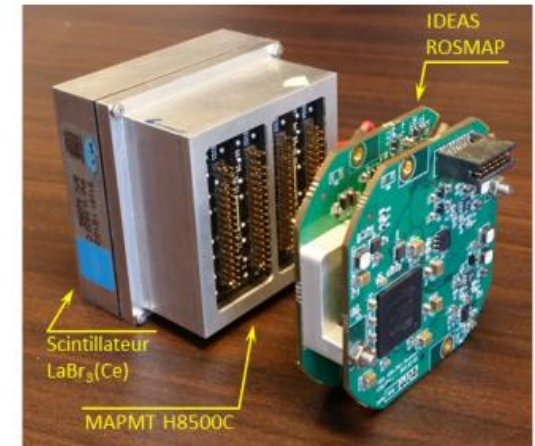
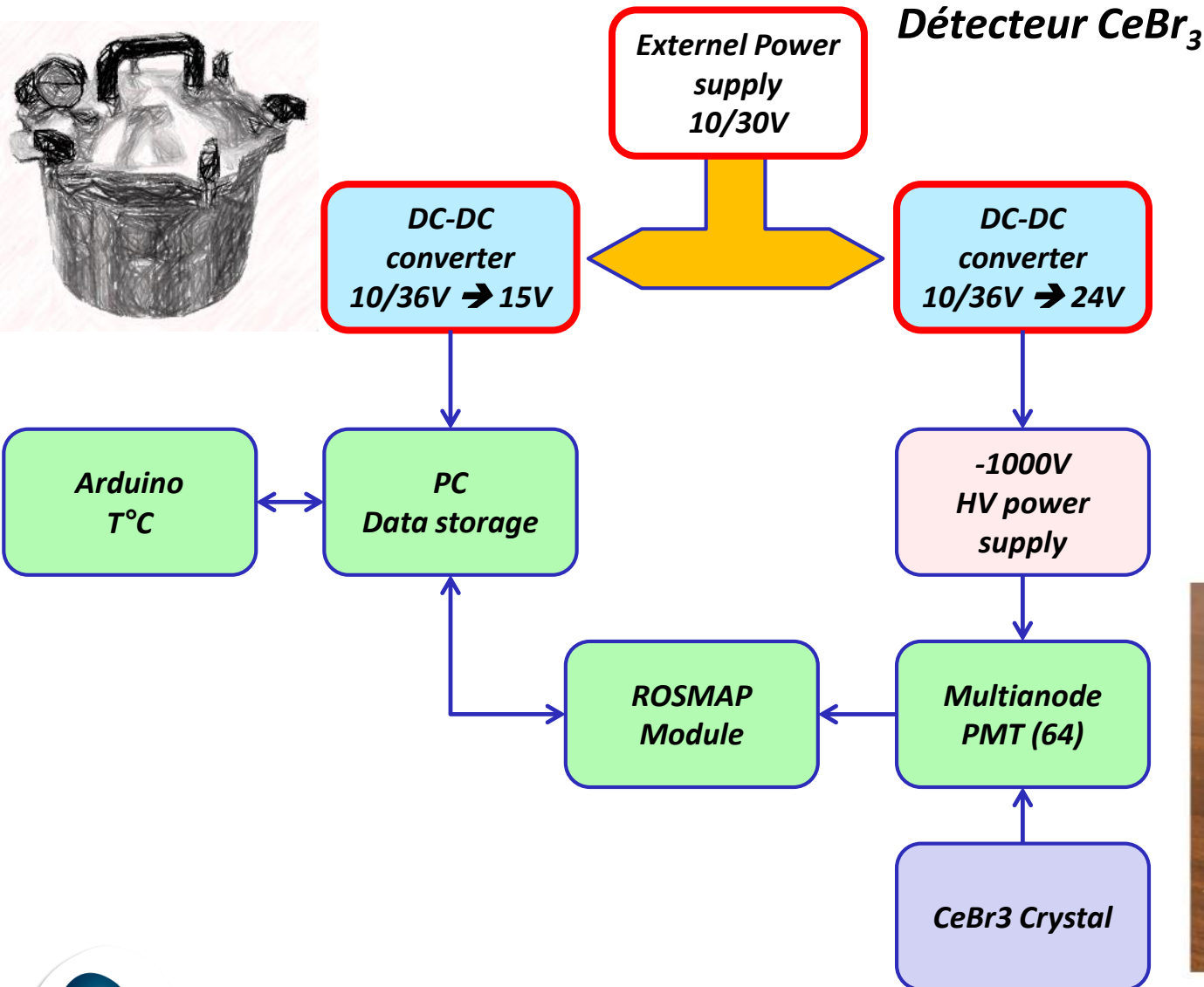


Dessiné par Harald.Ramarijaona@csnsm.in2p3.fr

# Quelques détecteurs ...



## Principe de fonctionnement



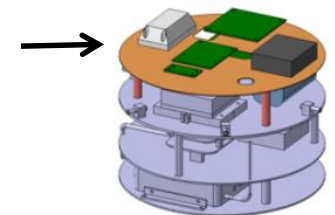
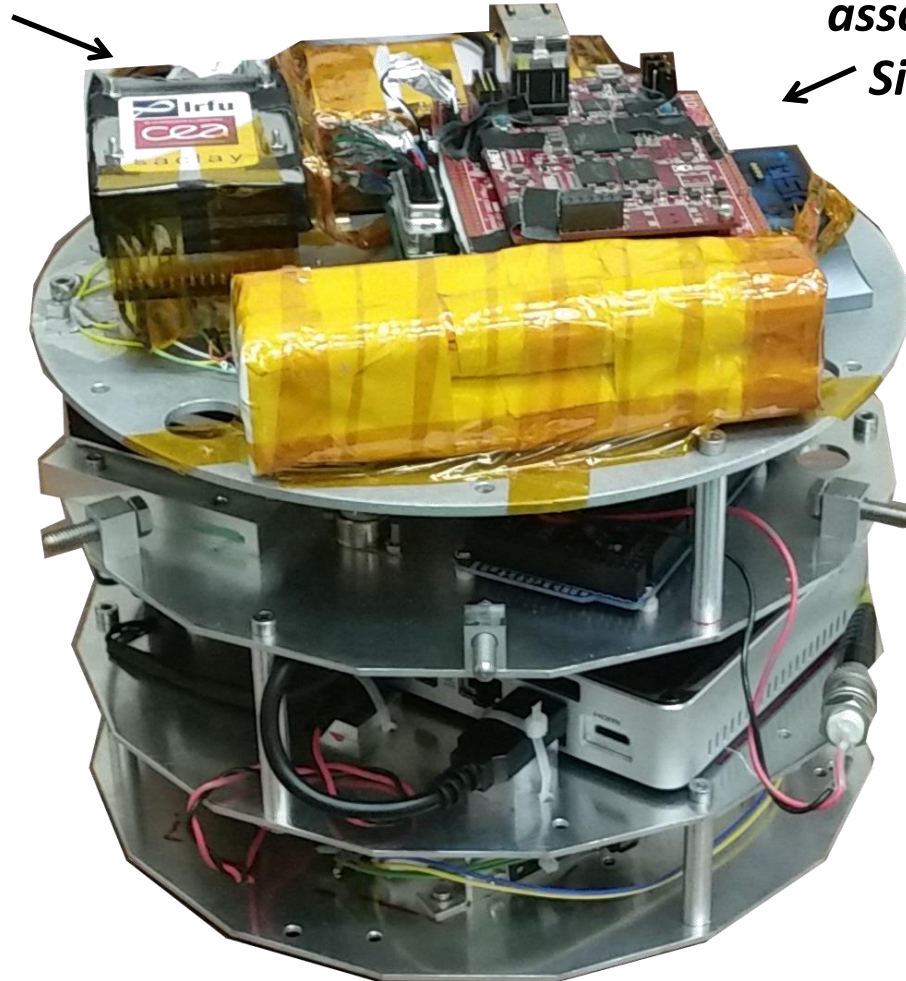
# Quelques détecteurs ...



**Détecteurs  
Silicium**

**Détecteurs Silicium**

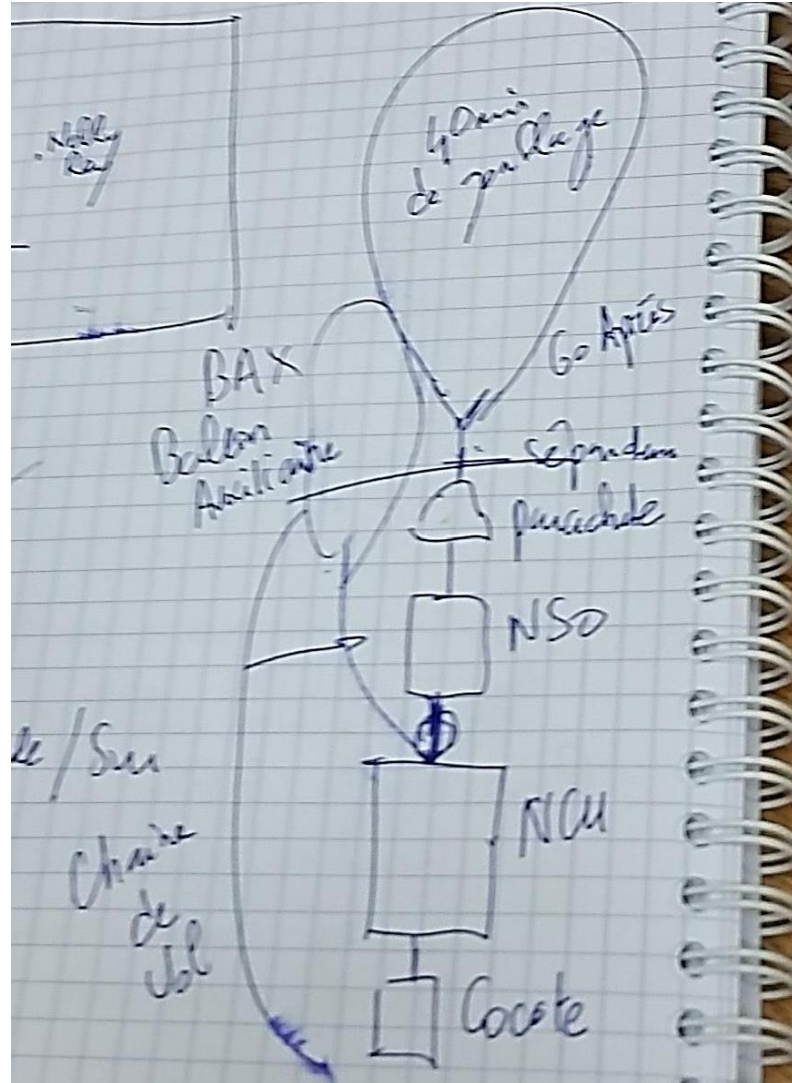
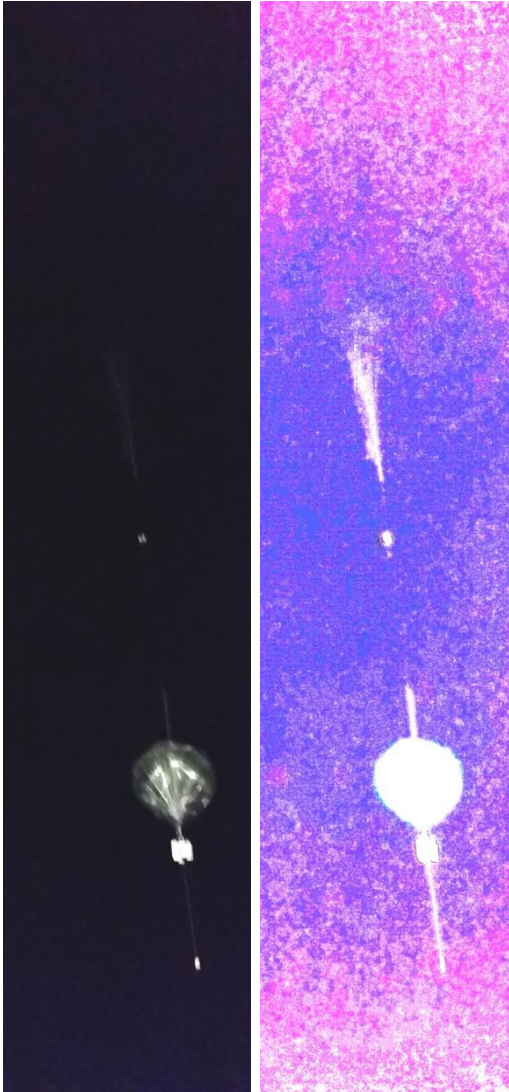
**Electronique  
associée au  
Silicium**



# Et le tour est joué....

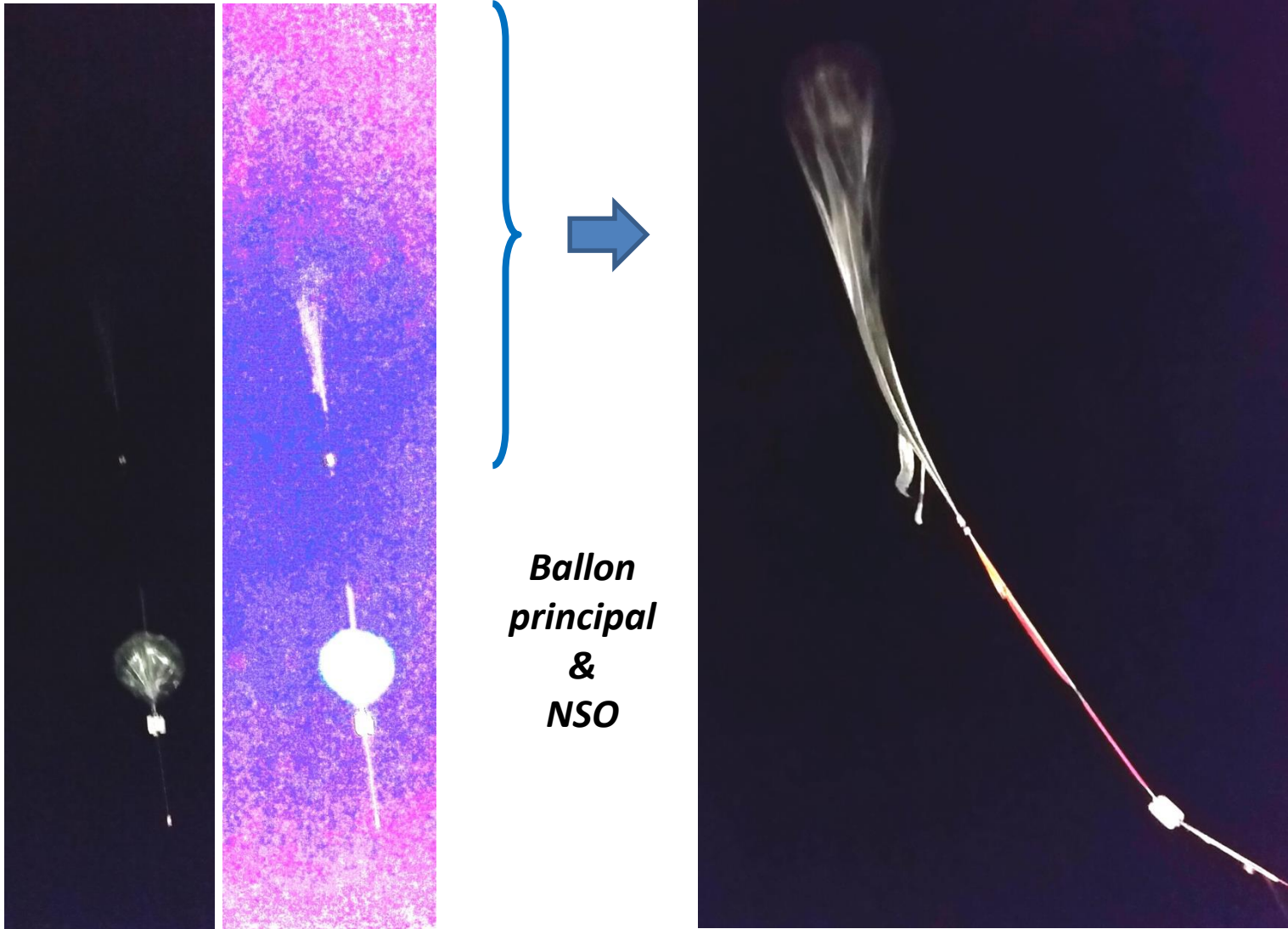


# D Day



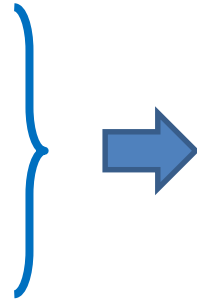
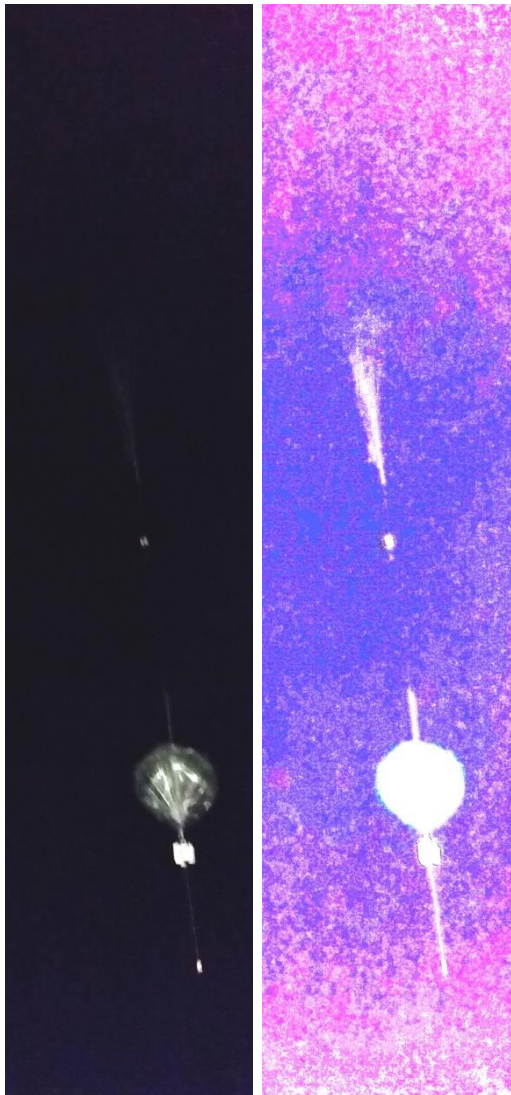


# D Day



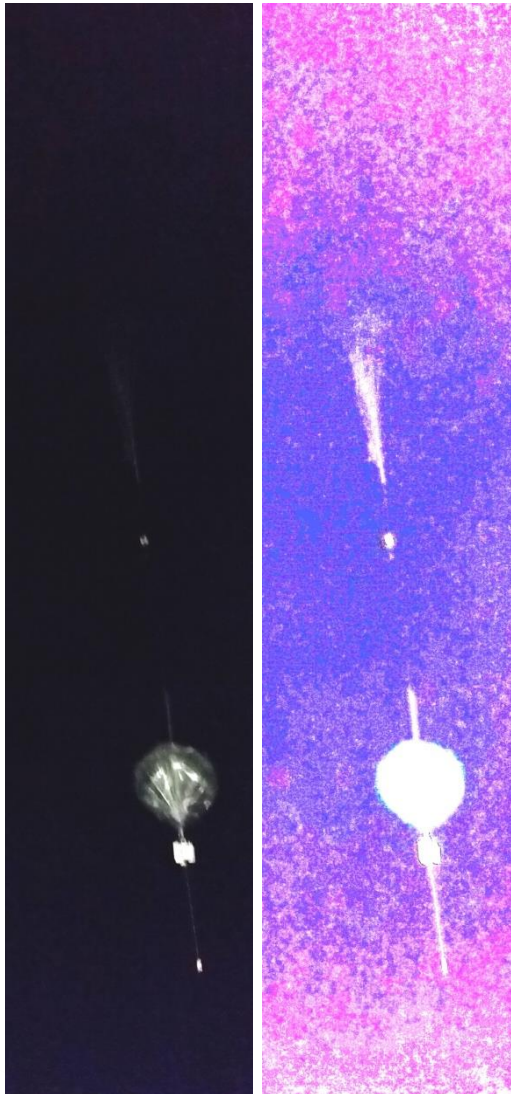
*Ballon  
principal  
&  
NSO*

# D Day

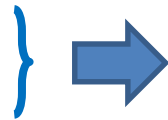


*Ballon principal*

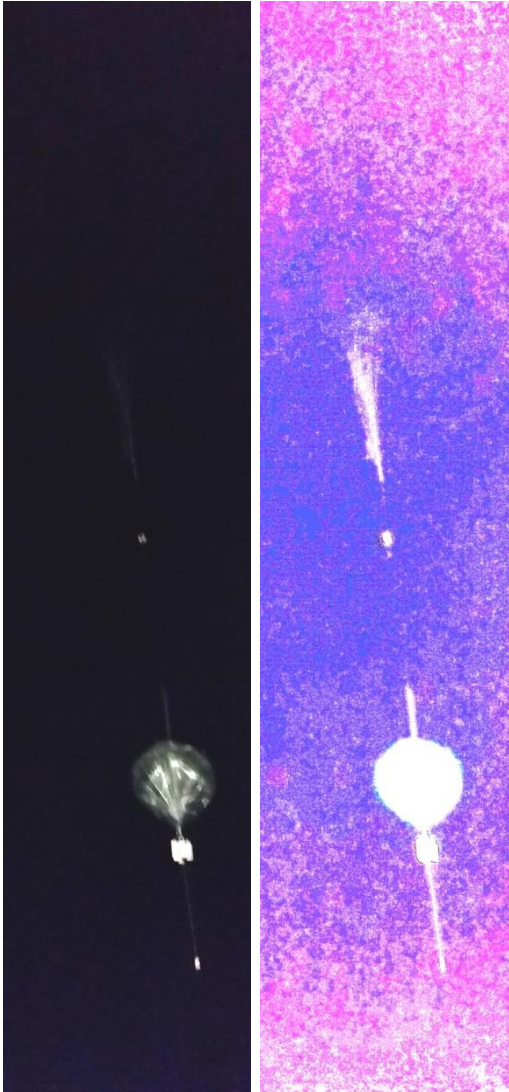




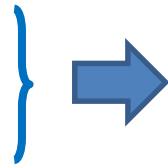
**NSO**  
*Nacelle de  
Servitude  
Opérationnelle*



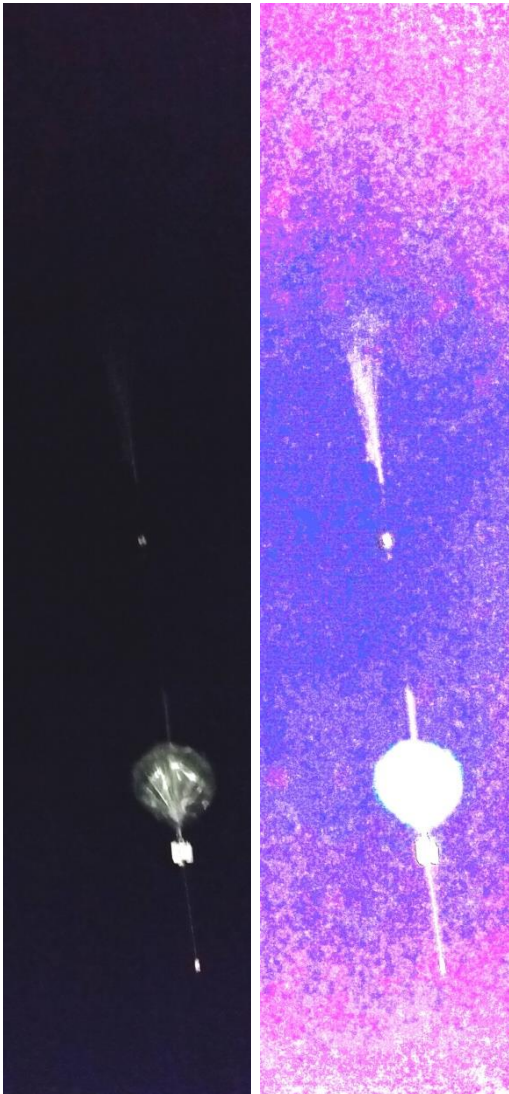
# D Day



*Ballon  
auxiliaire*



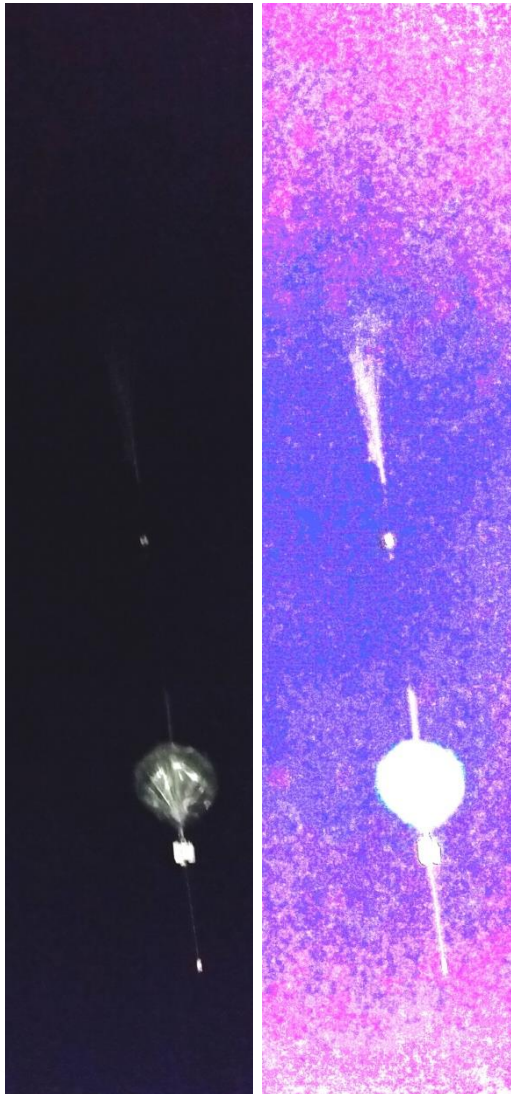
# D Day



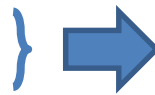
**NCU**  
**Nacelle**  
**Charge**  
**Utile**



# D Day



**COCOTE  
NCU  
auxiliaire**



# Le parcours 5:00



The screenshot displays the CartoWeb application interface within a Mozilla Firefox browser window. The browser's address bar shows the URL <https://track.nse-groupe.com/Restricted/default.aspx?lg=fr>. The application header includes navigation tabs for 'Statut Flotte', 'Carte', 'Administration', and 'Deconnexion', along with a date selector set to '07/07/2016' and time options for 'Local' (16:09:40) and 'UTC' (14:09:40). A search bar with the placeholder 'Rechercher' is present. The main interface features a left sidebar with a 'Flotte' section containing a list of aircraft identifiers such as CNES, ALPHA, FAS, FAT, FAU, DELTA, BFF, BJT, BKS, BKU, BLC, BNI, BQB, BQL, BQR, and BTY. The central map area shows a satellite view of a rural region with a red line representing a flight path. Key locations on the map include 'Route du Houga', 'Route de Nogaro', 'Barceionne', and 'L'Adour'. A 'BQR' aircraft icon is highlighted on the path. The bottom of the interface includes a control panel with checkboxes for 'Positions', 'Alarmes', 'Arrêts', 'Entrées analog.', and 'Evènements', a time display set to '05:00', and buttons for 'RESET', 'KML', and 'CSV'. The status bar at the very bottom indicates 'Début: 02/07/2016 00:00' and 'Fin: 02/07/2016 05:00'.

# Le parcours 5:00

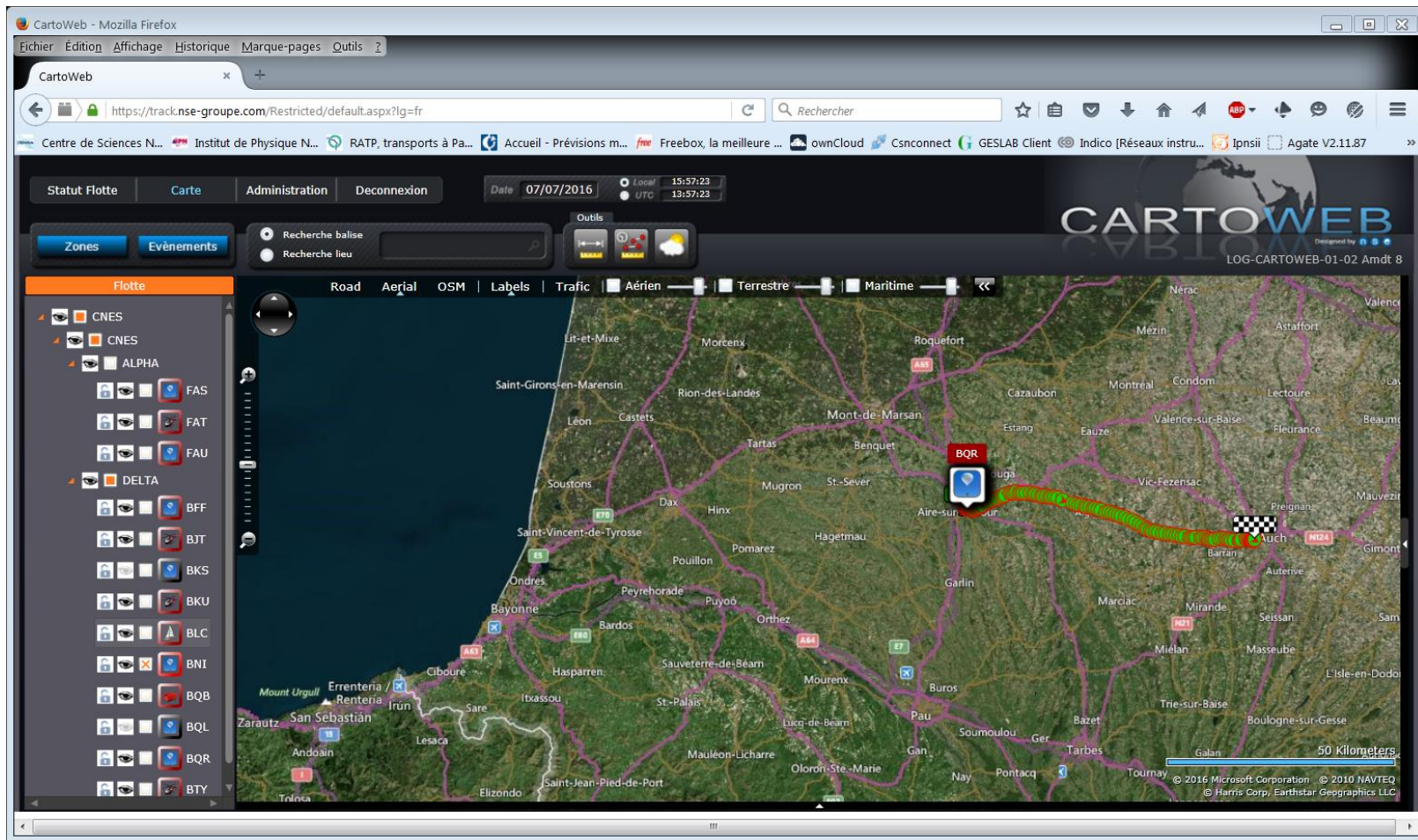


A screenshot of the CartoWeb application running in a Mozilla Firefox browser. The browser's address bar shows the URL: https://track.nse-groupe.com/Restricted/default.aspx?lg=fr. The application interface includes a top navigation bar with tabs for 'Statut Flotte', 'Carte', 'Administration', and 'Deconnexion'. A date selector is set to '07/07/2016'. Below this, there are search tools for 'Recherche balise' and 'Recherche lieu'. The main map area displays a satellite-style view of the Pau region in France, with a red location marker labeled 'BQR' and a blue circular icon. A flight path is visible on the map. On the left side, there is a 'Flotte' (Fleet) panel with a tree view showing categories like 'CNES', 'ALPHA', and 'DELTA', with various aircraft codes (e.g., FAS, FAT, FAU, BFF, BJT, BKS, BKU, BLC, BNI, BQB, BQL, BQR, BTY) and their status icons. The map includes a scale bar for 50 Kilometers and copyright information for 2016 Microsoft Corporation and Earthstar Geographics LLC.

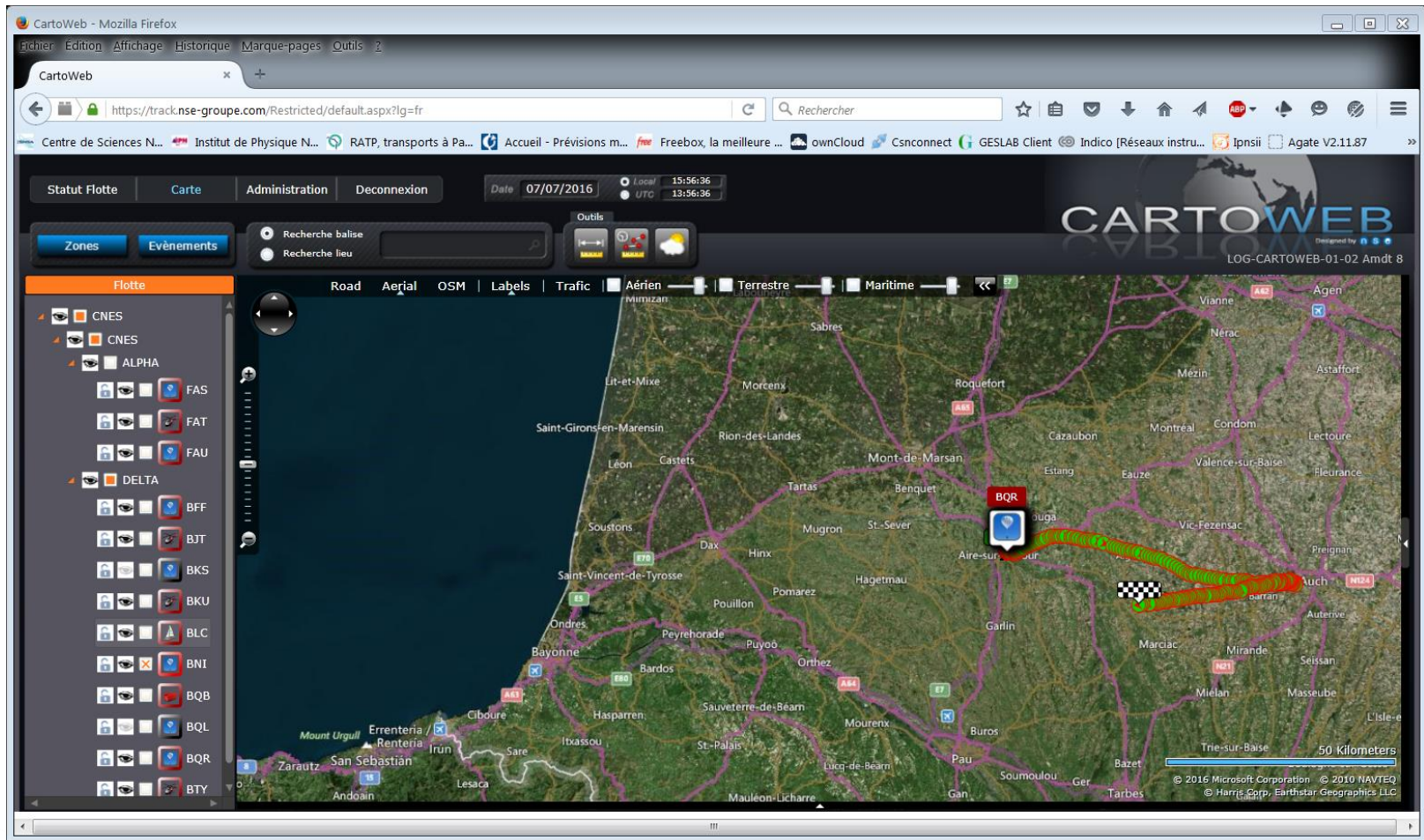




# Le parcours 6:00



# Le parcours 7:00



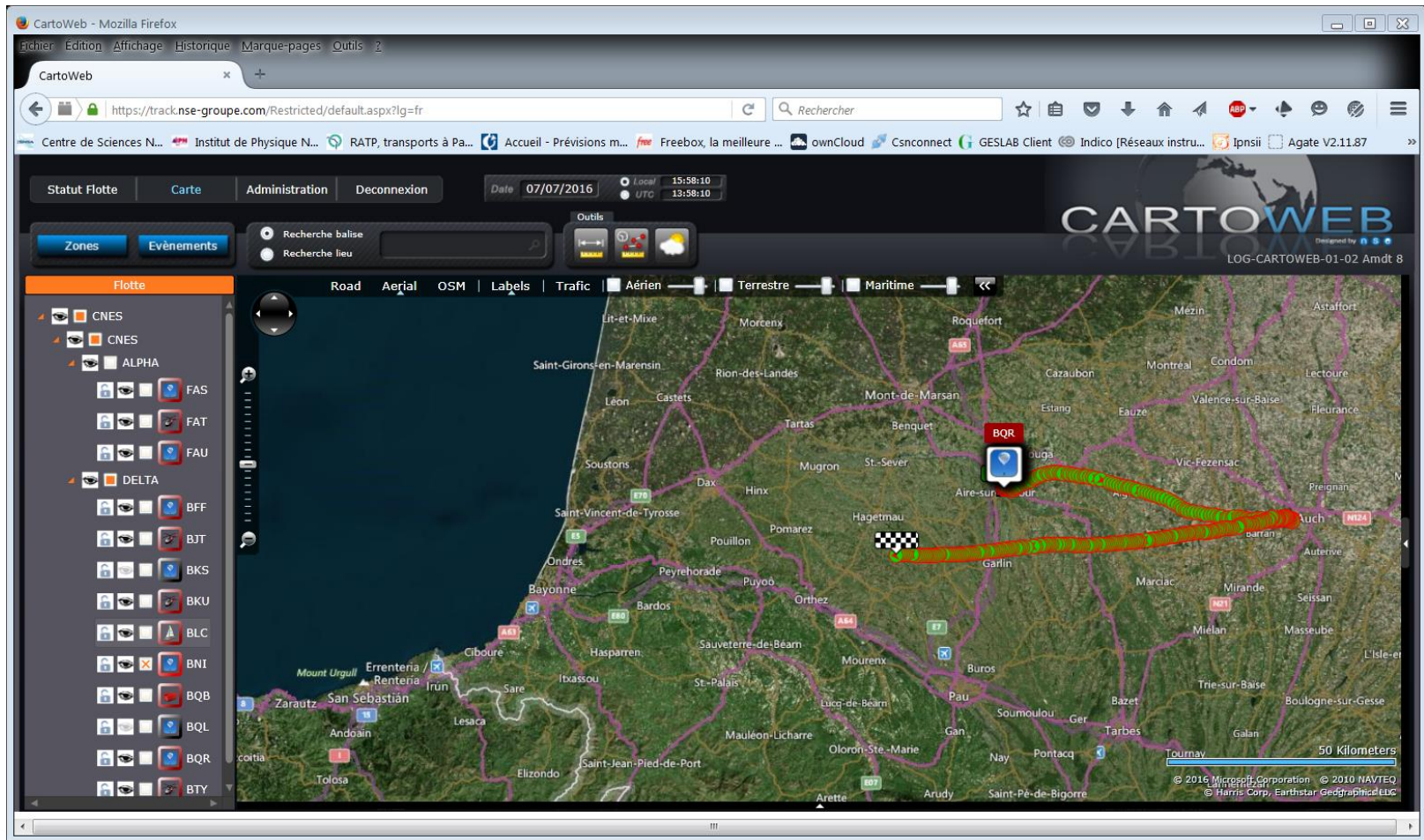
dépasser les frontières  
P.29



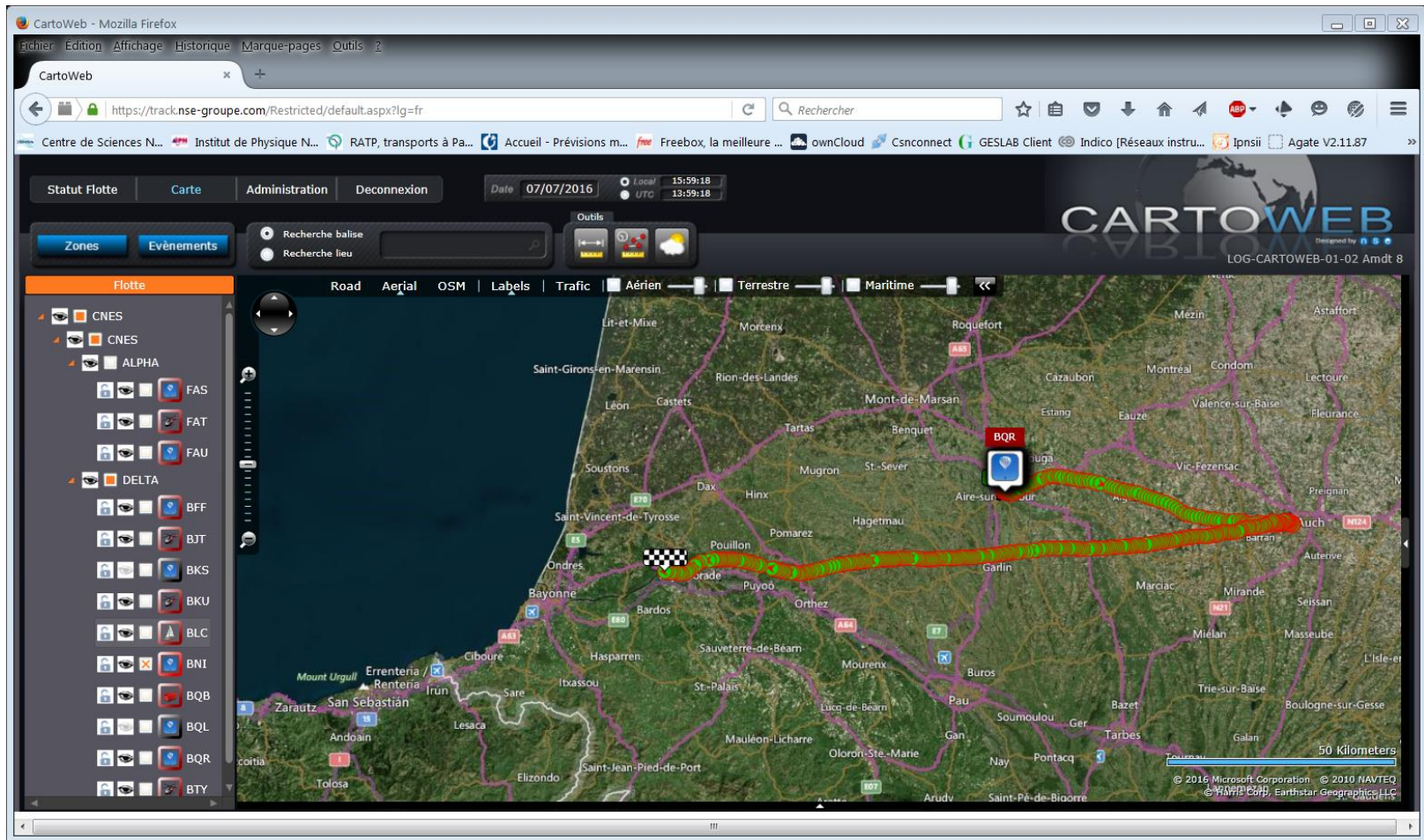
Jean Peyré

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# Le parcours 8:00



# Le parcours 9:00



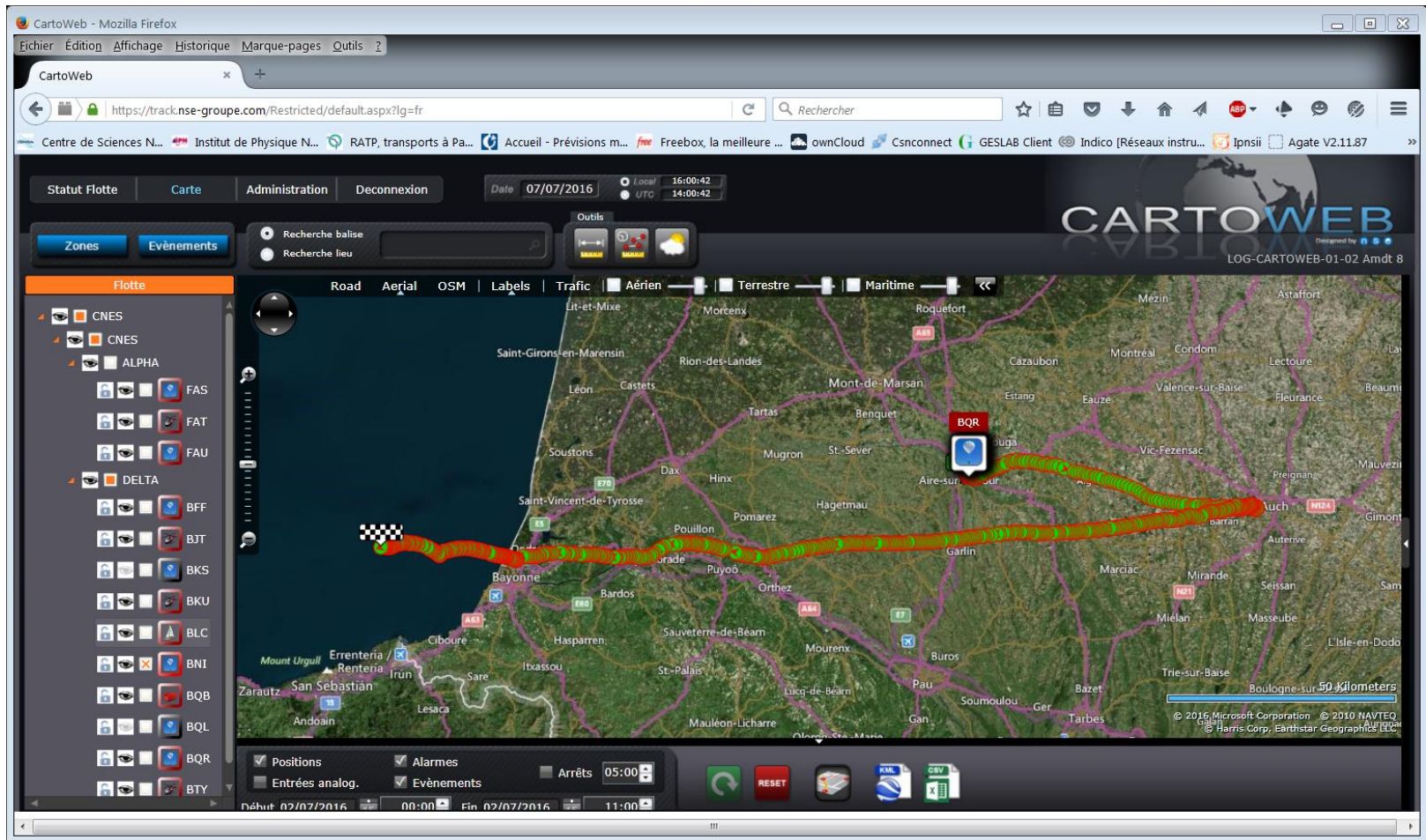
# Le parcours 10:00



The screenshot displays the CartoWeb application interface within a Mozilla Firefox browser window. The browser's address bar shows the URL <https://track.nse-groupe.com/Restricted/default.aspx?lg=fr>. The application header includes navigation tabs for 'Statut Flotte', 'Carte', 'Administration', and 'Deconnexion', along with a date selector set to '07/07/2016' and time options for 'Local' (15:59:59) and 'UTC' (13:59:59). The main interface features a left-hand sidebar with a 'Flotte' section containing a list of aircraft identifiers such as CNES, ALPHA, FAS, FAT, FAU, DELTA, BFF, BJT, BKS, BKU, BLC, BNI, BQB, BQL, BQR, and BTY. The central map area shows a flight path (BQR) highlighted in red and green, starting from a checkered flag icon near Bayonne and extending eastward towards Auch. The map includes various map controls like zoom, pan, and layer selection (Road, Aerial, OSM, Labels, Traffic, Aérien, Terrestre, Maritime). The bottom of the interface contains a status bar with 'Début: 02/07/2016', '00:00', 'Fin: 02/07/2016', and '10:00', along with buttons for 'RESET', 'KML', and 'CSV'.



# Le parcours 11:00



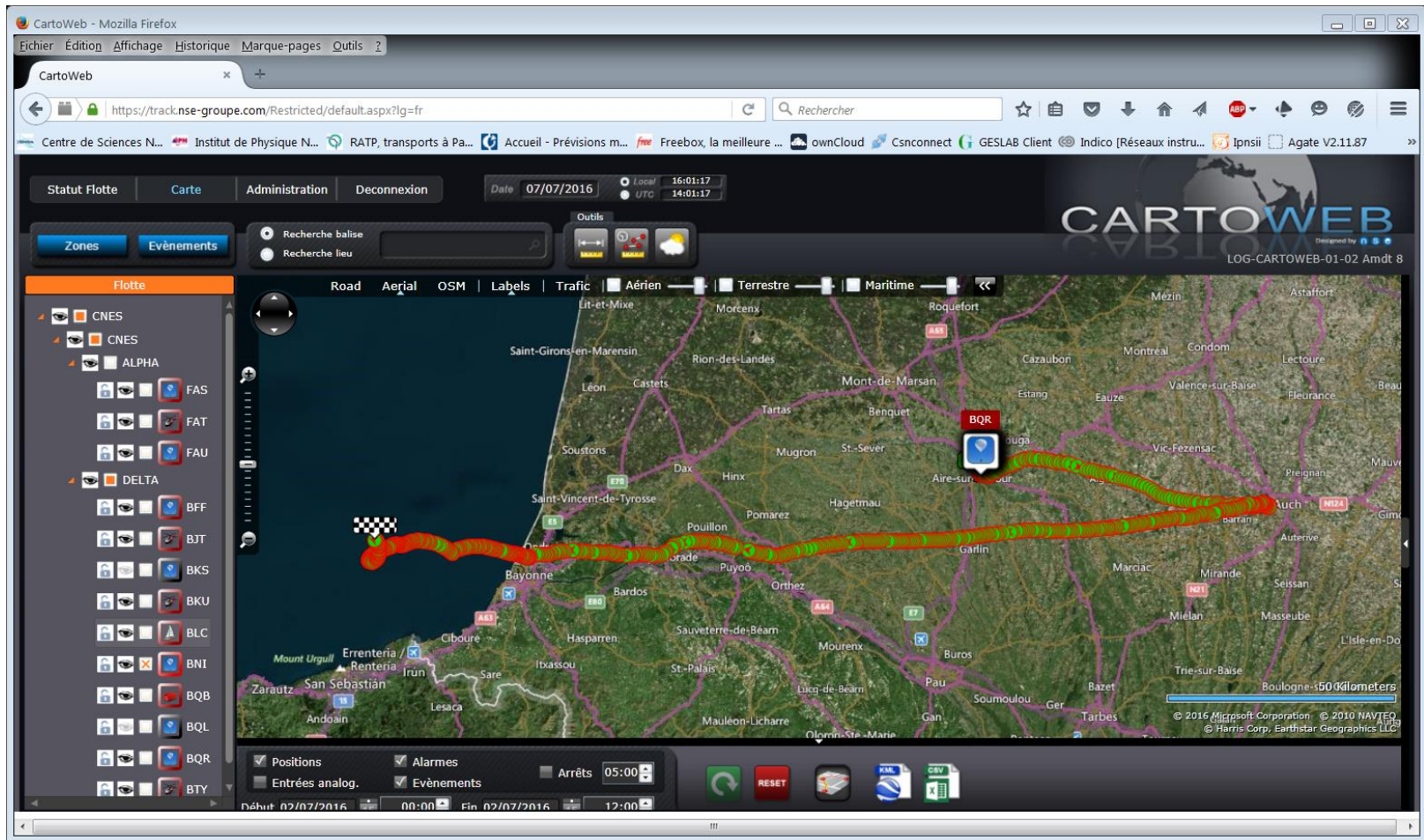
dépasser les frontières  
P.33



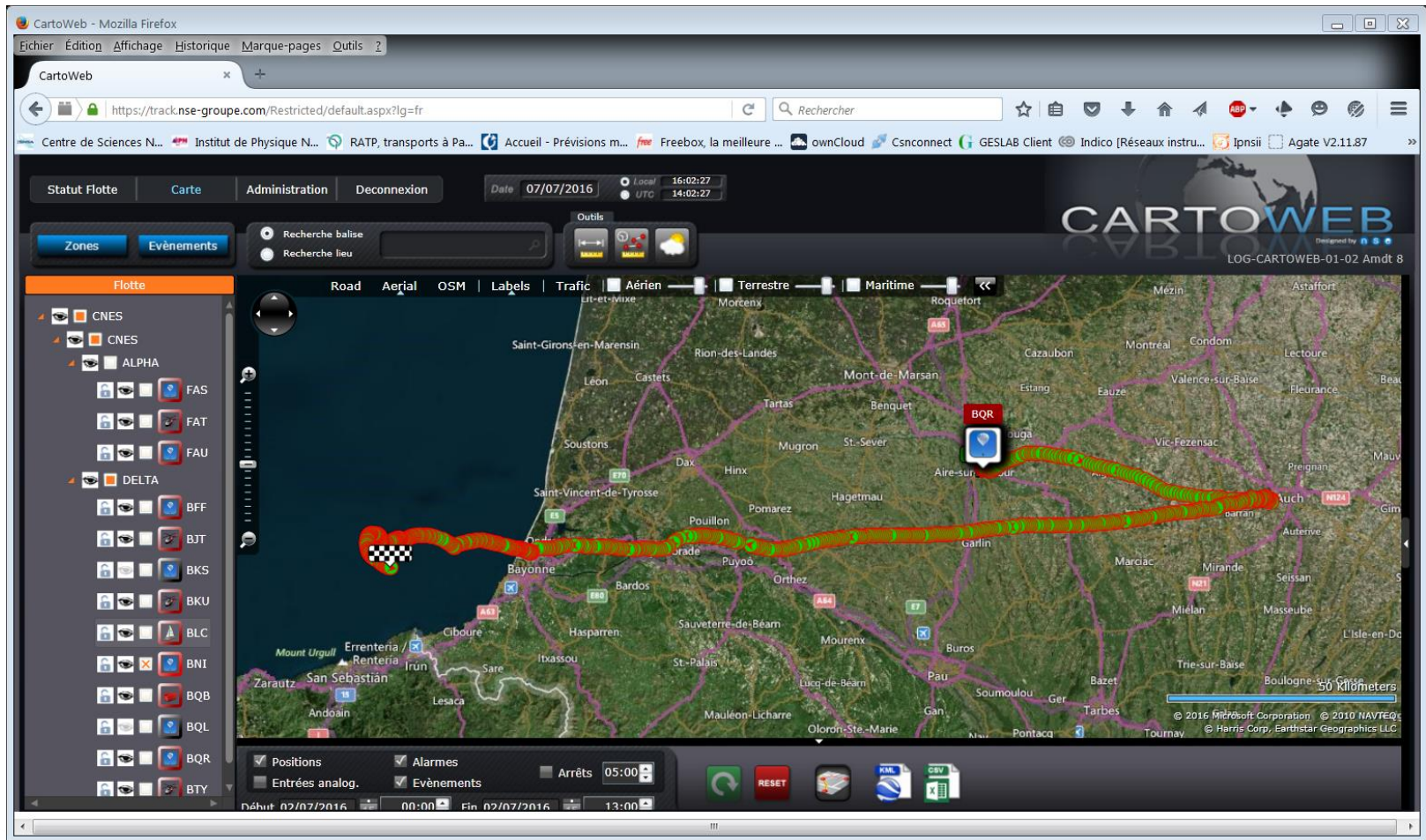
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# Le parcours 12:00



# Le parcours 13:00



dépasser les frontières  
P.35

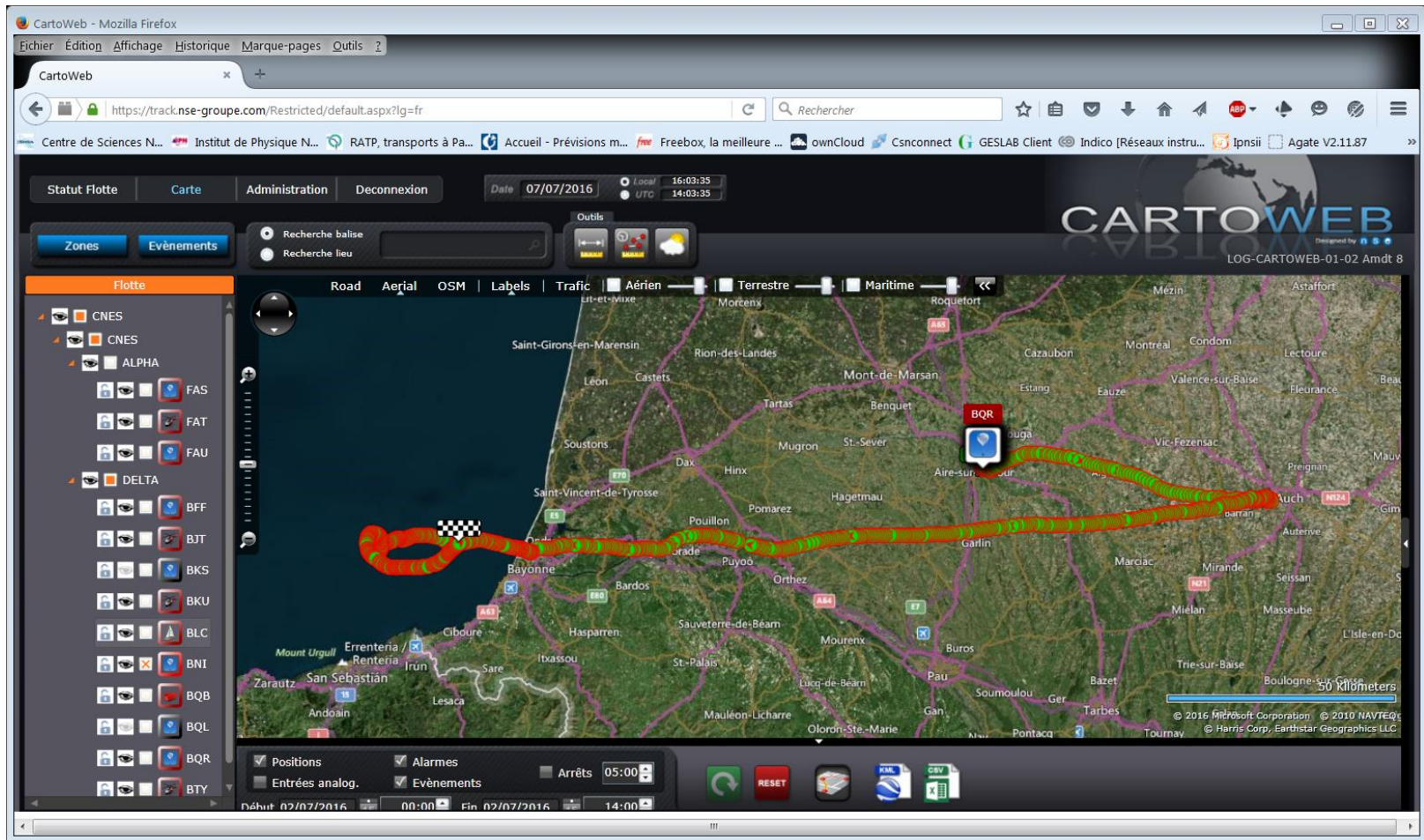


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# Le parcours 14:00

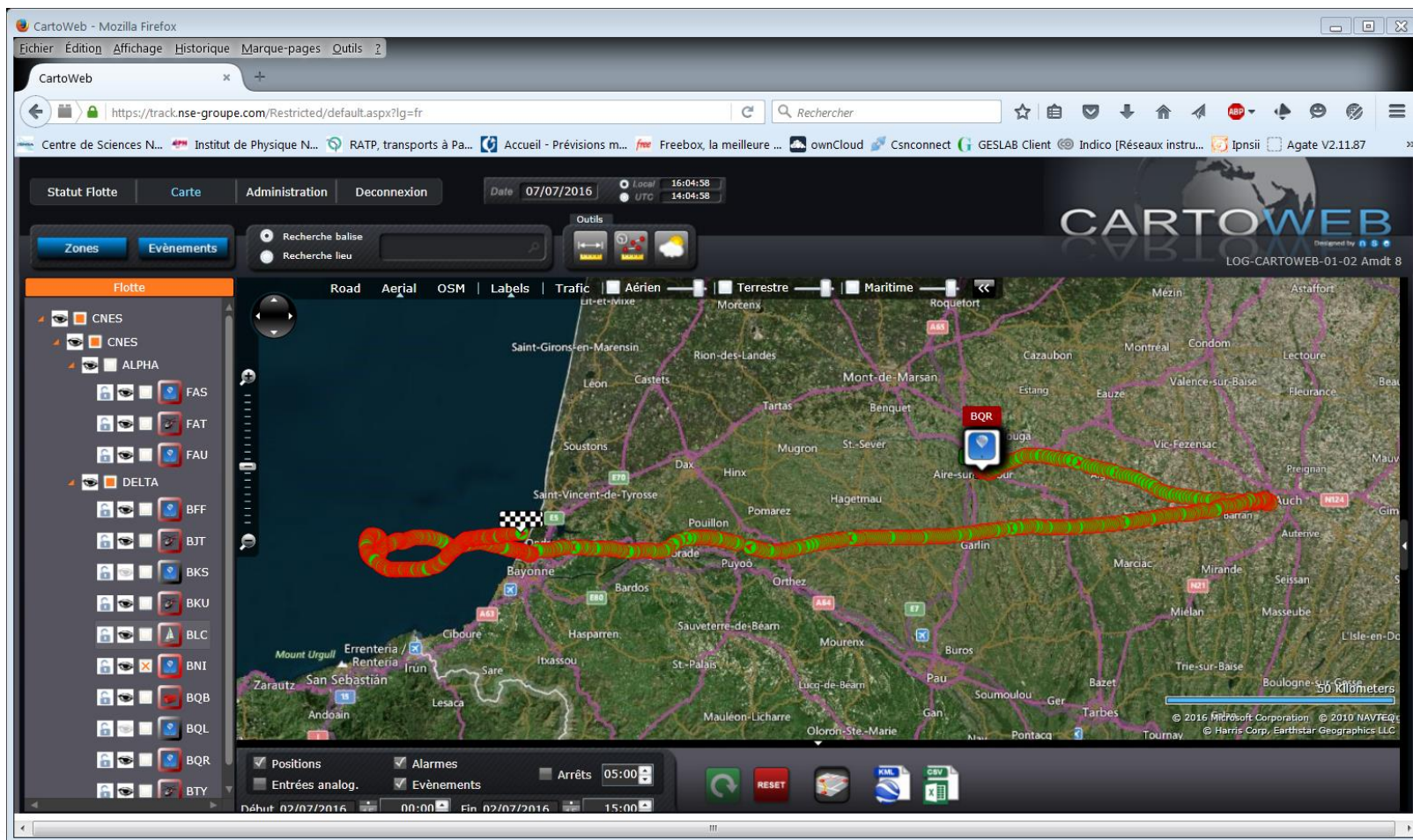


# Le parcours 14:00

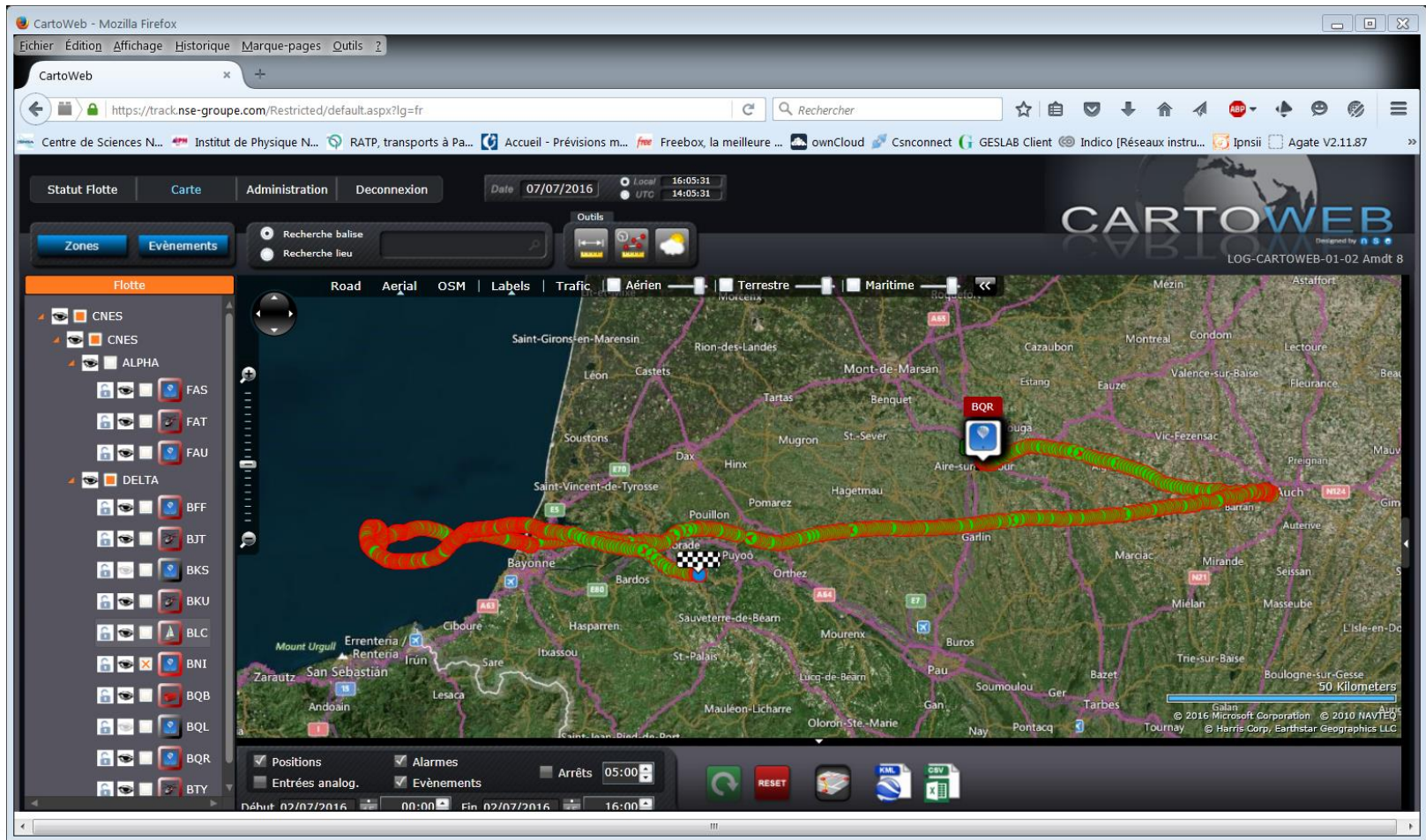


A screenshot of the CartoWeb application running in a Mozilla Firefox browser. The browser's address bar shows the URL: https://track.nse-groupe.com/Restricted/default.aspx?lg=fr. The application interface includes a top navigation bar with tabs for 'Statut Flotte', 'Carte', 'Administration', and 'Deconnexion'. A date selector is set to '07/07/2016'. On the left, a 'Flotte' (Fleet) sidebar lists various aircraft identifiers under categories like 'CNES', 'ALPHA', 'DELTA', and 'BTY'. The main map area displays a flight path in green and yellow, with a checkered flag icon at the end of the route. The map is labeled 'Bay of Biscay' and includes a 5 Kilometers scale bar. The bottom status bar shows 'Début: 02/07/2016 00:00' and 'Fin: 02/07/2016 14:00'. The browser's taskbar at the bottom shows icons for 'RESET', 'KML', and 'CSV'.

# Le parcours 15:00



# Le parcours 16:00



# Le parcours 16:00

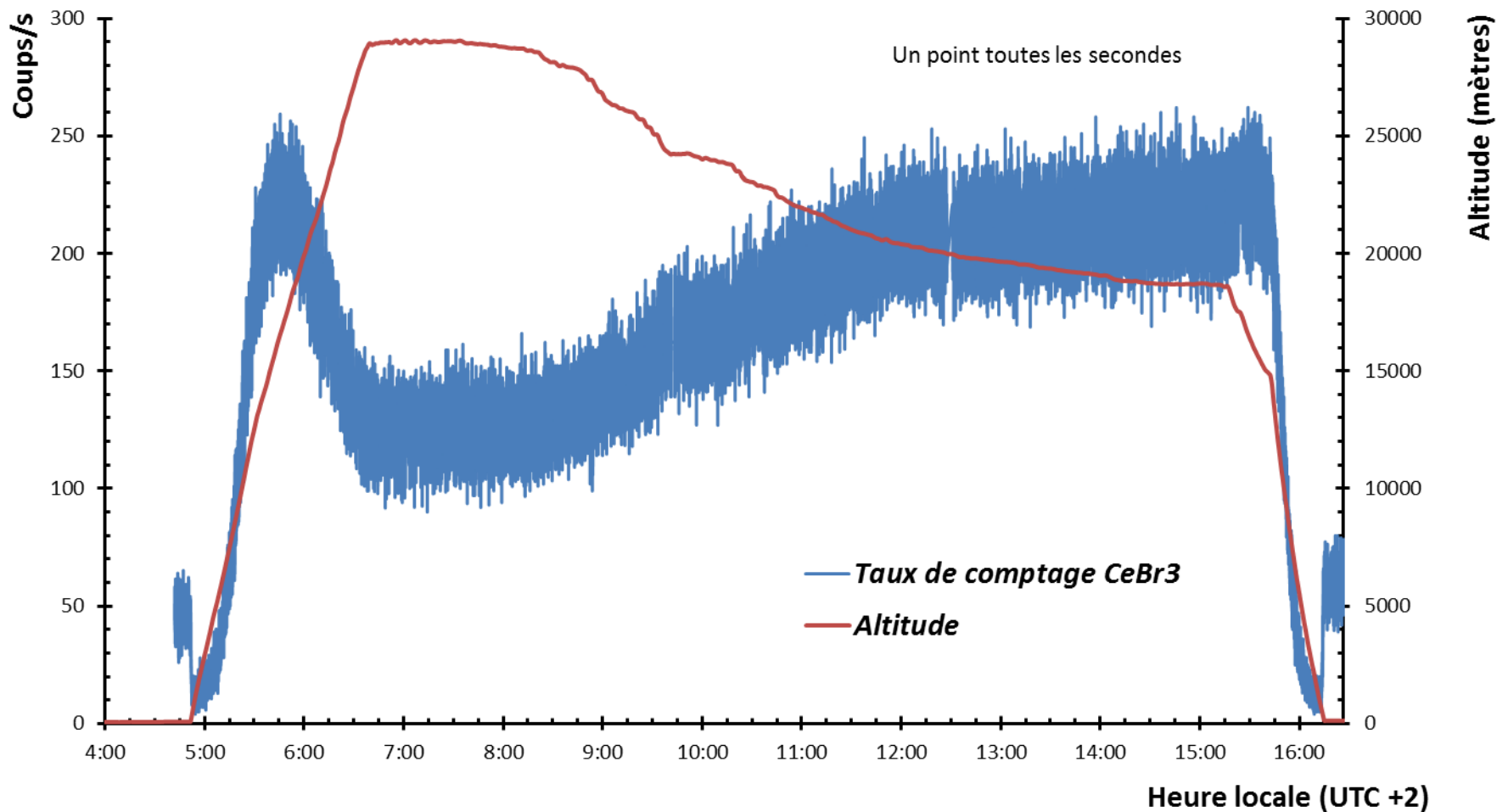


The screenshot displays the CartoWeb application interface within a Mozilla Firefox browser window. The browser's address bar shows the URL <https://track.nse-groupe.com/Restricted/default.aspx?lg=fr>. The application header includes navigation tabs for 'Statut Flotte', 'Carte', 'Administration', and 'Deconnexion'. A date selector is set to '07/07/2016' with local and UTC time options. The main interface features a 'Flotte' sidebar on the left with a tree view of aircraft categories: CNES, ALPHA (FAS, FAT, FAU), and DELTA (BFF, BJT, BKS, BKU, BLC, BNI, BQB, BQL, BQR, BTY). The central map area shows a satellite view of a rural landscape with a red flight path marked by green circular waypoints. A checkered flag icon marks the end of the path. Map controls include a compass, zoom slider, and map style selector (Road, Aerial, OSM, Labels, Traffic, Aérien, Terrestre, Maritime). The bottom status bar shows flight parameters: 'Début: 02/07/2016 00:00', 'Fin: 02/07/2016 17:00', and 'Arrêts: 05:00'. Utility icons for 'RESET', 'KML', and 'CSV' are also present.

# Premières données



## Vol Ballon - COCOTE - 2 juillet 2016



# Le ballon



# A bientôt

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