

BigBrowser documentation :

Object History

=> To obtain detailed informations on actions  
done on objects

# Legend



1-User action



Graphical  
component  
description



Comment

2-Put text search + Enter

1-Search amongst barcodes

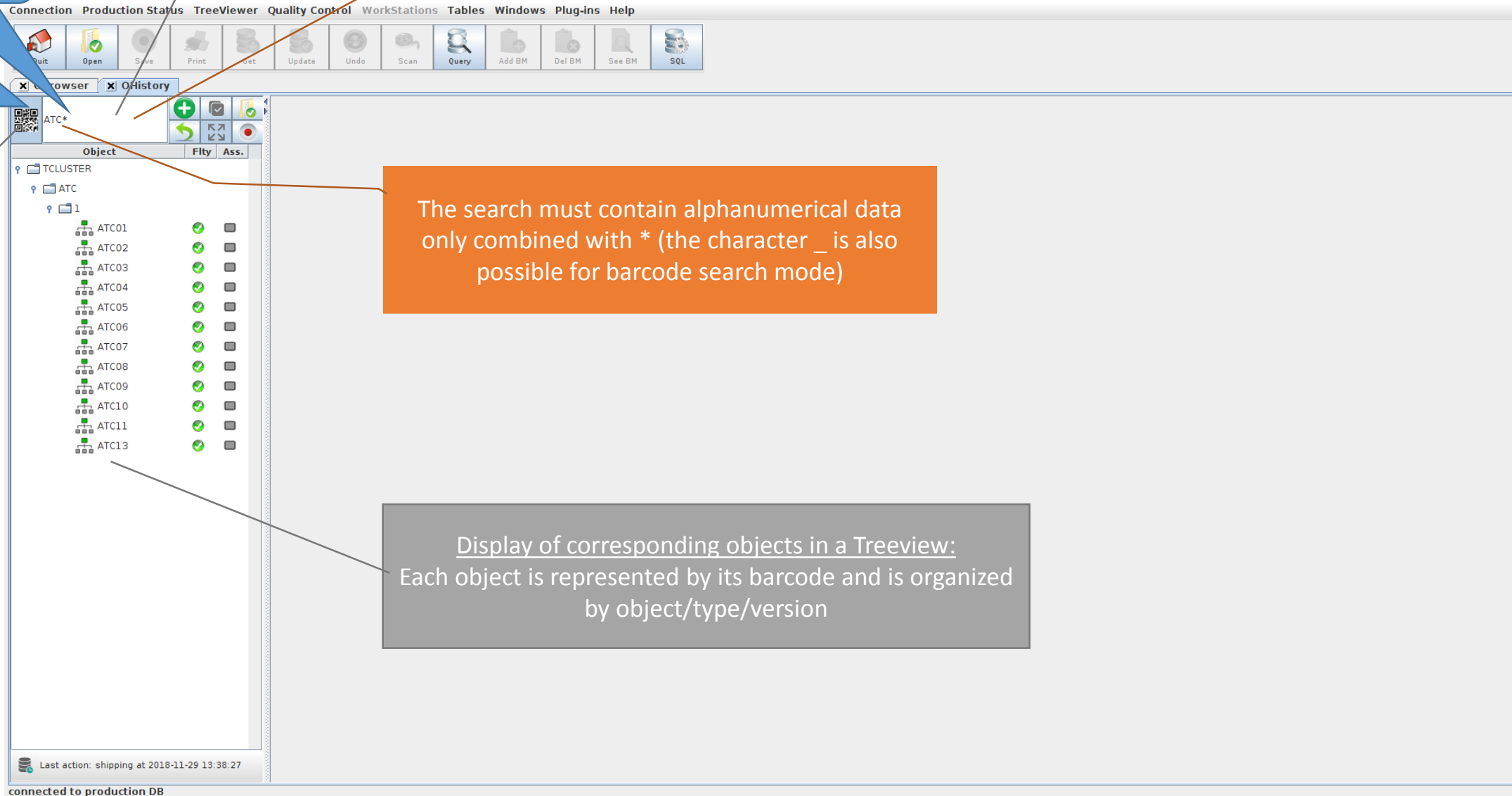
Search field within objects

You can also scan the barcode stuck on your object with a barcode reader (just click in this field before that to have the focus in it)

Search by barcode (button pushed) otherwise by object/type/version

The search must contain alphanumerical data only combined with \* (the character \_ is also possible for barcode search mode)

Display of corresponding objects in a Treeview:  
Each object is represented by its barcode and is organized by object/type/version



When this button is pushed :  
successive researches are  
added to the treeview

3- Add to search

4-Search  
amongst  
object/type  
/version

5-Put text  
search +  
Enter

The screenshot shows a software interface with a menu bar (Print, Update, Undo, Scan, Query, Add BM, Del BM, See BM, SQL) and a toolbar with icons for adding, deleting, and searching. The main area is a treeview titled 'OHistory' showing a hierarchy of objects: CAPSULE BLU\* \*, CAPSULE, BLUC, 1, and TCLUSTER. Under '1', there are 16 objects (DET\_CAP\_BLU\_C001 to C016). Under 'TCLUSTER', there is 'ATC' with 9 objects (ATC01 to ATC09). A status bar at the bottom indicates 'connected to production DB' and 'Last action: shipping at 2018-11-29 13:38:27'. Various callouts explain the icons and actions.

Object	Qty	Ass.
DET_CAP_BLU_C001	✓	☐
DET_CAP_BLU_C002	✓	☐
DET_CAP_BLU_C003	✓	☐
DET_CAP_BLU_C004	✓	☐
DET_CAP_BLU_C005	✓	☐
DET_CAP_BLU_C006	✓	☐
DET_CAP_BLU_C007	✓	☐
DET_CAP_BLU_C008	✓	☐
DET_CAP_BLU_C009	✓	☐
DET_CAP_BLU_C010	✓	☐
DET_CAP_BLU_C011	✓	☐
DET_CAP_BLU_C012	✓	☐
DET_CAP_BLU_C013	✗	☐
DET_CAP_BLU_C014	✓	☐
DET_CAP_BLU_C016	✓	☐

Object	Qty	Ass.
ATC01	✓	☐
ATC02	✓	☐
ATC03	✓	☐
ATC04	✓	☐
ATC05	✓	☐
ATC06	✓	☐
ATC07	✓	☐
ATC08	✓	☐
ATC09	✓	☐

Load search in a file

Save search in a file

Select all barcodes

Expand treeview

Reset the search and the treeview

The object is assembled in another object

The object is faulty

The object contains other objects

A taskbar : display the last action in the DB in this case

6- Select all objects  
(or you can select only certain objects in the  
treeview manually)

7- Query the DB

Remark: If no objects are selected  
when you click on the query button,  
all objects will be automatically  
selected by default before the run of  
the query

The screenshot shows a database management interface with a treeview on the left, a central visualization area, and a bottom log area. The treeview shows a hierarchy of objects: CAPSULE, BLUC, 1, DET\_CAP\_BLU\_C001 to C016, TCLUSTER, ATC, and ATC01 to ATC09. The central area displays a timeline from 2011-11-30 to 2018-11-29, with a slider and a coverflow of history items. The coverflow shows a picture of a capsule and a database icon. The bottom area is a log area with a question mark icon.

History Coverflow

History slider

Log area

Each history item has a picture corresponding to its corresponding action in the DB (here a transfer)

8-Move into the history :  
\*directly by moving the pictures in the coverflow with the mouse  
\*by moving the cursor in the history slider  
\*with the keyboard arrows

connected to production DB



**OHISTORY**

CAPSULE BLU\* \*

**Object** | **Fity** | **Ass.**

- [-] CAPSULE
  - [-] BLUC
    - [-] 1
      - DET\_CAP\_BLU\_C001 ✓
      - DET\_CAP\_BLU\_C002 ✓
      - DET\_CAP\_BLU\_C003 ✓
      - DET\_CAP\_BLU\_C004 ✓
      - DET\_CAP\_BLU\_C005 ✓
      - DET\_CAP\_BLU\_C006 ✓
      - DET\_CAP\_BLU\_C007 ✓
      - DET\_CAP\_BLU\_C008 ✓
      - DET\_CAP\_BLU\_C009 ✓
      - DET\_CAP\_BLU\_C010 ✓
      - DET\_CAP\_BLU\_C011 ✓
      - DET\_CAP\_BLU\_C012 ✓
      - DET\_CAP\_BLU\_C013 ✗
      - DET\_CAP\_BLU\_C014 ✓
      - DET\_CAP\_BLU\_C016 ✓
- [-] TCLUSTER
  - [-] ATC
    - [-] 1
      - ATC01 ✓
      - ATC02 ✓
      - ATC03 ✓
      - ATC04 ✓
      - ATC05 ✓
      - ATC06 ✓
      - ATC07 ✓
      - ATC08 ✓
      - ATC09 ✓

Last action: shipping at 2018-11-29 13:38:27



8- Click on a picture: informations on this action are displayed in the bottom log area (here a transfer)

OBJECT DET\_CAP\_BLU\_C014: date 2018-11-29

First date: 2011-11-30 | 51 | 101 | 151 | 201 | Last date: 2018-11-29

Click on a picture to display the default panel for the action/Right-click on a picture to display other available panels

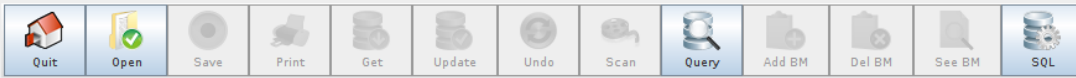
OBJECT: DET\_CAP\_BLU\_C014

=>SHIPPING: transferID=TRANS\_SACLAY\_0003

SENDING OF OBJECT:  
Object sent at : 2018-11-29 13:31:58 from SACLAY to COLOGNE (by COLOGNE)  
and is currently in transfer.  
DESCRIPTION of this transfer: Shipped (11-27-2018) after CAT  
List of objects in this transfer (1 object(s)):  
[DET\_CAP\_BLU\_C014]

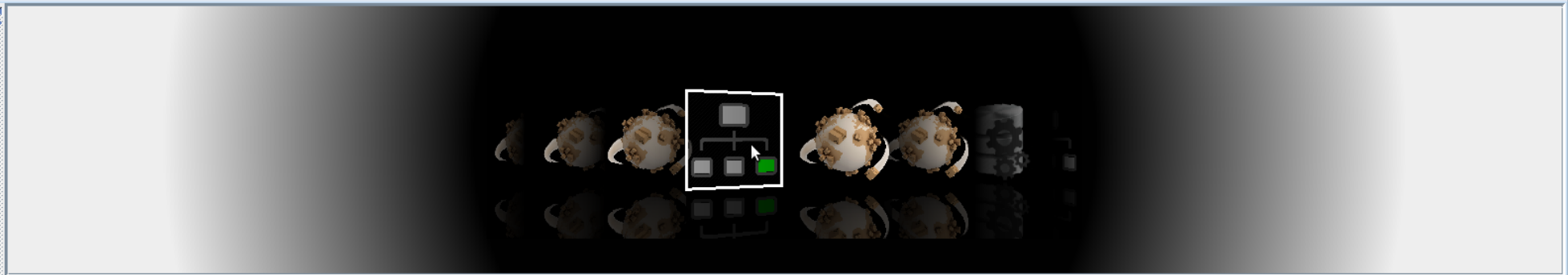
Short informations of the corresponding action in the DB: on which object and the date of the action

Display the description of the corresponding action in the DB



OHistory

Object	Flty	Ass.
CAPSULE		
BLUC		
1		
DET_CAP_BLU_C001	✓	
DET_CAP_BLU_C002	✓	
DET_CAP_BLU_C003	✓	
DET_CAP_BLU_C004	✓	
DET_CAP_BLU_C005	✓	
DET_CAP_BLU_C006	✓	
DET_CAP_BLU_C007	✓	
DET_CAP_BLU_C008	✓	
DET_CAP_BLU_C009	✓	
DET_CAP_BLU_C010	✓	
DET_CAP_BLU_C011	✓	
DET_CAP_BLU_C012	✓	
DET_CAP_BLU_C013	✗	
DET_CAP_BLU_C014	✓	
DET_CAP_BLU_C016	✓	
TCLUSTER		
ATC		
1		
ATC01	✓	
ATC02	✓	
ATC03	✓	
ATC04	✓	
ATC05	✓	
ATC06	✓	
ATC07	✓	
ATC08	✓	
ATC09	✓	



OBJECT DET\_CAP\_BLU\_C002: date 2017-04-12

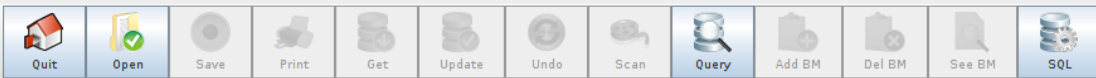
First date: 2011-11-30 1 | 51 | 101 | 151 | 201 | Last date: 2018-11-29

Click on a picture to display the default panel for the action/Right-click on a picture to display other available panels

OBJECT: DET\_CAP\_BLU\_C002

=>ASSEMBLY:  
The object has been assembled at 2017-04-12 11:14:29 in ATC09 in the center of GANIL

Another example: the assembly of the DET\_CAP\_BLU\_C002 in ATC09 on April, 12 2017



9- Choose a Panel: here the assembly history navigator

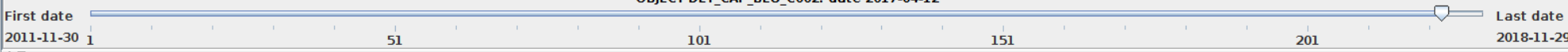
8- Right click on a picture: a menu of available panels for this action is displayed

Assembly of the DET\_CAP\_BLU\_C002 in ATC09 on April, 12 2017

Choose the panel to display

Choose the panel to display in the bottom area :

- Assembly Log Area
- Assembly Log Area
- Assembly History Navigator
- Common Log Area



Click on a picture to display the default panel for the action/Right-click on a picture to display other available panels

Object ID : ATC09 Ref. date chosen (YYYY-MM-DD HH24:MI.SS): 2017-04-12 11:14:29 Date of assembly or de-assembly: 2015-12-07 16:36:00

Composition of ATC09 at the reference date chosen (2017-04-12 11:14:29):

- DET\_CAP\_BLU\_C002 : CAPSULE Blue (C) v. 1 =>Assembled at 2017-04-12 11:14:29
- DET\_CAP\_GRE\_B008 : CAPSULE Green (B) v. 1 =>Assembled at 2015-12-07 16:33:41
- DET\_CAP\_RED\_A004 : CAPSULE Red (A) v. 1 =>Assembled at 2015-12-07 16:33:41
- DET\_CRYO\_AT\_009 : CRYOSTAT Asymmetric Triple v. 1 =>Assembled at 2015-12-07 16:34:42
- DET\_ECP\_AT\_010 : ENDCAP Asymmetric Triple v. 1 =>Assembled at 2015-12-07 16:34:42
- DET\_PABO\_016 : PATCHBOX Low Voltage v. 1 =>Assembled at 2015-12-07 16:36:00

Composition of ATC09 at the above date (2015-12-07 16:36:00, date of assembly or de-assembly):

- DET\_CAP\_BLU\_C013 : CAPSULE Blue (C) v. 1 =>Assembled at 2015-12-07 16:24:56
- DET\_CAP\_GRE\_B008 : CAPSULE Green (B) v. 1 =>Assembled at 2015-12-07 16:33:41
- DET\_CAP\_RED\_A004 : CAPSULE Red (A) v. 1 =>Assembled at 2015-12-07 16:33:41
- DET\_CRYO\_AT\_009 : CRYOSTAT Asymmetric Triple v. 1 =>Assembled at 2015-12-07 16:34:42
- DET\_ECP\_AT\_010 : ENDCAP Asymmetric Triple v. 1 =>Assembled at 2015-12-07 16:34:42
- DET\_PABO\_016 : PATCHBOX Low Voltage v. 1 =>Assembled at 2015-12-07 16:36:00

Assembly of the object DET\_CAP\_BLU\_C002 in ATC09 on April, 12 2017

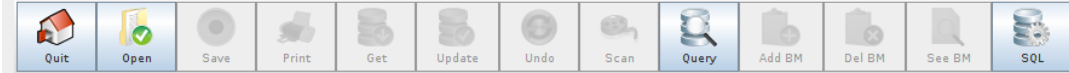
Comparison with the assembly of the ATC09 on December, 07 2015



Max. number of components displayed: 100

10- Move in time through the different assembly and de-assembly of the ATC09



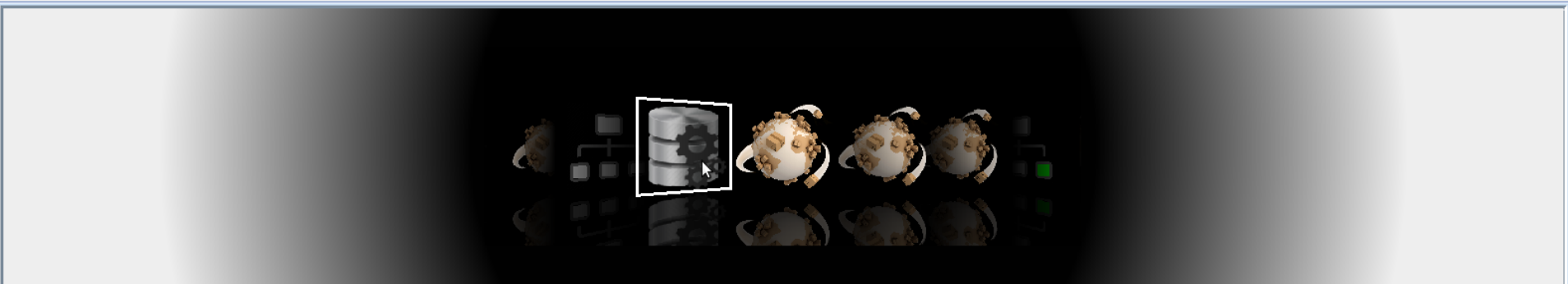


**OHISTORY**

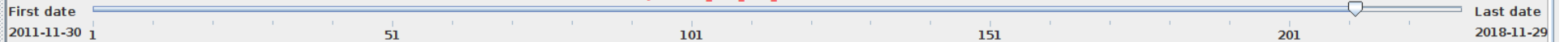
CAPSULE BLU\*\*

Object	Fity	Ass.
CAPSULE		
BLUC		
1		
DET_CAP_BLU_C001	✓	
DET_CAP_BLU_C002	✓	
DET_CAP_BLU_C003	✓	
DET_CAP_BLU_C004	✓	
DET_CAP_BLU_C005	✓	
DET_CAP_BLU_C006	✓	
DET_CAP_BLU_C007	✓	
DET_CAP_BLU_C008	✓	
DET_CAP_BLU_C009	✓	
DET_CAP_BLU_C010	✓	
DET_CAP_BLU_C011	✓	
DET_CAP_BLU_C012	✓	
DET_CAP_BLU_C013	✗	
DET_CAP_BLU_C014	✓	
DET_CAP_BLU_C016	✓	
TCLUSTER		
ATC		
1		
ATC01	✓	
ATC02	✓	
ATC03	✓	
ATC04	✓	
ATC05	✓	
ATC06	✓	
ATC07	✓	
ATC08	✓	
ATC09	✓	
ATC10	✓	
ATC11	✓	

Last action: shipping at 2018-11-29 13:38:27



OBJECT DET\_CAP\_BLU\_C013: date 2017-03-31



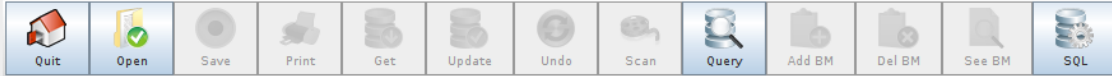
Click on a picture to display the default panel for the action/Right-click on a picture to display other available panels

**OBJECT DET\_CAP\_BLU\_C013=> action FREEACTION, version 1 (position: faulty), date: 2017-03-31 16:00:47, object faulty**

SPECIAL action informations:

SPECIAL: insertion 1=>Date: 2017-03-31 15:59:10  
Results: FET connected at this capsule broked every time  
Operator: null  
Comments: null  
Status of the action: reference  
Quality flag=':-1:'=>has made object faulty  
Tool: 300=[None,GANIL,Remark/accident,General remark/problem on an object]

Another example: the action FREEACTION and its SPECIAL base action which made object DET\_CAP\_BLU\_C013 faulty on March, 31 2017



**OHISTORY**

CAPSULE BLU\* \*

Object	Flty	Ass.
CAPSULE		
BLUC		
1		
DET_CAP_BLU_C001	✓	
DET_CAP_BLU_C002	✓	
DET_CAP_BLU_C003	✓	
DET_CAP_BLU_C004	✓	
DET_CAP_BLU_C005	✓	
DET_CAP_BLU_C006	✓	
DET_CAP_BLU_C007	✓	
DET_CAP_BLU_C008	✓	
DET_CAP_BLU_C009	✓	
DET_CAP_BLU_C010	✓	
DET_CAP_BLU_C011	✓	
DET_CAP_BLU_C012	✓	
DET_CAP_BLU_C013	✗	
DET_CAP_BLU_C014	✓	
DET_CAP_BLU_C016	✓	
TCLUSTER		
ATC		
1		
ATC01	✓	
ATC02	✓	
ATC03	✓	
ATC04	✓	
ATC05	✓	
ATC06	✓	
ATC07	✓	
ATC08	✓	
ATC09	✓	
ATC10	✓	
ATC11	✓	

Last action: shipping at 2018-11-29 13:38:27

OBJECT DET\_CAP\_BLU\_C004: date 2017-01-09

First date: 2011-11-30 | 51 | 101 | 151 | 201 | Last date: 2018-11-29

Click on a picture to display the default panel for the action/Right-click on a picture to display other available panels

**OBJECT DET\_CAP\_BLU\_C004=> action OWNER, version 1 (position: ready), date: 2017-01-09 16:04:40, object valid**

List of OWNERBASE (version 1) actions informations (by order of insertion in the DB):

OWNERBASE: insertion 1=>Test date: 2007-09-01 09:00:00  
 OWNER: CANBERRA  
 ORIGIN: CANBERRA  
 REFERENCE: C004\_74036  
 HYPERLINK: [http://www.ikp.uni-koeln.de/~bartb/AGATA\\_Manuals/Accepted/manual\\_C004\\_SN74036.pdf](http://www.ikp.uni-koeln.de/~bartb/AGATA_Manuals/Accepted/manual_C004_SN74036.pdf)  
 Operator: AUFRANC  
 Test comment: no comment  
 Status: valid  
 Value: :0  
 Tool: 700=[None,LYON,Remark/accident,General remark/problem on an object]

OWNERBASE: insertion 2=>Test date: 2007-12-21 09:00:00  
 OWNER: ANKARA  
 ORIGIN: CANBERRA  
 REFERENCE: C004\_74036  
 HYPERLINK: [http://www.ikp.uni-koeln.de/~bartb/AGATA\\_Manuals/Accepted/report\\_C004\\_SN74036.pdf](http://www.ikp.uni-koeln.de/~bartb/AGATA_Manuals/Accepted/report_C004_SN74036.pdf) ; [http://www.ikp.uni-koeln.de/~bartb/AGATA\\_Manuals/Accepted/report\\_C004\\_SN74036\\_05\\_07\\_10.pdf](http://www.ikp.uni-koeln.de/~bartb/AGATA_Manuals/Accepted/report_C004_SN74036_05_07_10.pdf)  
 Operator: AUFRANC  
 Test comment: Accepted ; 1st measurement after return from Ankara (05/07/2010): leakage current in 1 segment D1 - sent back on 19/10/10.  
 Status: valid  
 Value: :0  
 Tool: 700=[None,LYON,Remark/accident,General remark/problem on an object]

OWNERBASE: insertion 3=>Test date: 2011-03-29 09:00:00  
 OWNER: ANKARA  
 ORIGIN: CANBERRA  
 REFERENCE: C004\_74036  
 HYPERLINK: [http://www.ikp.uni-koeln.de/~bartb/AGATA\\_Manuals/Accepted/manual\\_C004\\_SN74036.pdf](http://www.ikp.uni-koeln.de/~bartb/AGATA_Manuals/Accepted/manual_C004_SN74036.pdf)  
 Operator: AUFRANC  
 Test comment: no comment  
 Status: valid  
 Value: :0  
 Tool: 700=[None,LYON,Remark/accident,General remark/problem on an object]

Another example: the action OWNER on DET\_CAP\_BLU\_C004 and the different corresponding OWNERBASE actions registered in DB for this object