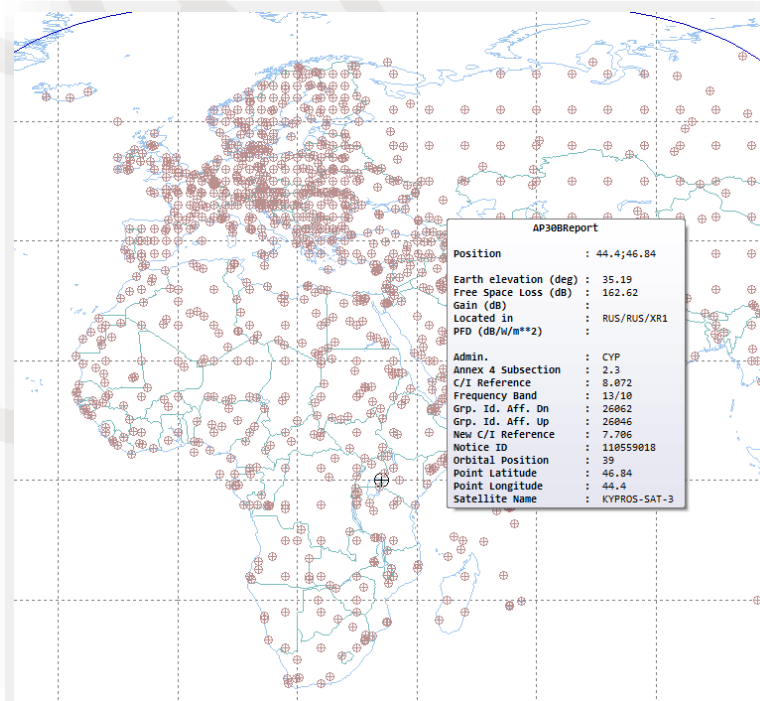# What's New in GIMS 9

Information Points
An easier way of viewing points on diagram

- In GIMS 8, used a workaround:
  - ➢ **Capture | Discrete Service Point**

- In GIMS 9,
  - ➢ Create an information point

Creating Information Points (I)
Information Point Tool

- Similarly to other pointing tools
  1. Activate the information point tool
  2. Click on the map

- Change properties (location…) in the usual way
  1. Activate the selection tool
  2. Double-click the point

Video

Creating Information Points (II)
Copy/Paste

Select the text in the attached file and paste it into a new diagram window
(at position 0.0 degree)

This shows you the supported coordinate formats.

Creating Information Points (II)
Copy/Paste

Select coordinates in *.LST files produced
by GIBC and paste into GIMS

```
EXI DOWN-LINK IS AFFECTED

I S USA    USABSS-37           61.50W  0.05 0.05  12.67598 G   26000 K  29.05.12                 B112.555006/001.001123/0003
 SP11    EV CL                  50.2 DB
     26M0G7W--   9.3 DBW  -64.8 DBW/HZ  -64.8 DBW/HZ                   2D:29.05.12

E S MEX    QUETZSAT-77 TTC      77.00W  0.05 0.05  12.68850 G    1000 K  03.08.11                 A B111.556001/000.005764/0013
 CADR    EK M                   33.5 DB
     1M00G9D--  -6.0 DBW  -66.0 DBW/HZ                               2D:03.08.11
E E MEX    TYPICAL-A1                          REC-580-6          61.3 DB

     AP30 AN1 SECT 6      BROADCASTING-SATELLITE
     REGION 2                                     082W15 28N37 USA          49.98 -131.23    0.67 -131.90 A30#A1S6.1



2501.75000 M     40000 KHZ  25M0G7W--  28.9 DBW  -45.0 DBW/HZ                                 N-   0001

     (76) RR 21.16        MOBILE-SATELLITE                                            REF. BW   1.000MHZ
     ALL WORLD                                    119E41 47N11 CHN      40.0 -108.3   27.7 -136.0   N-
```
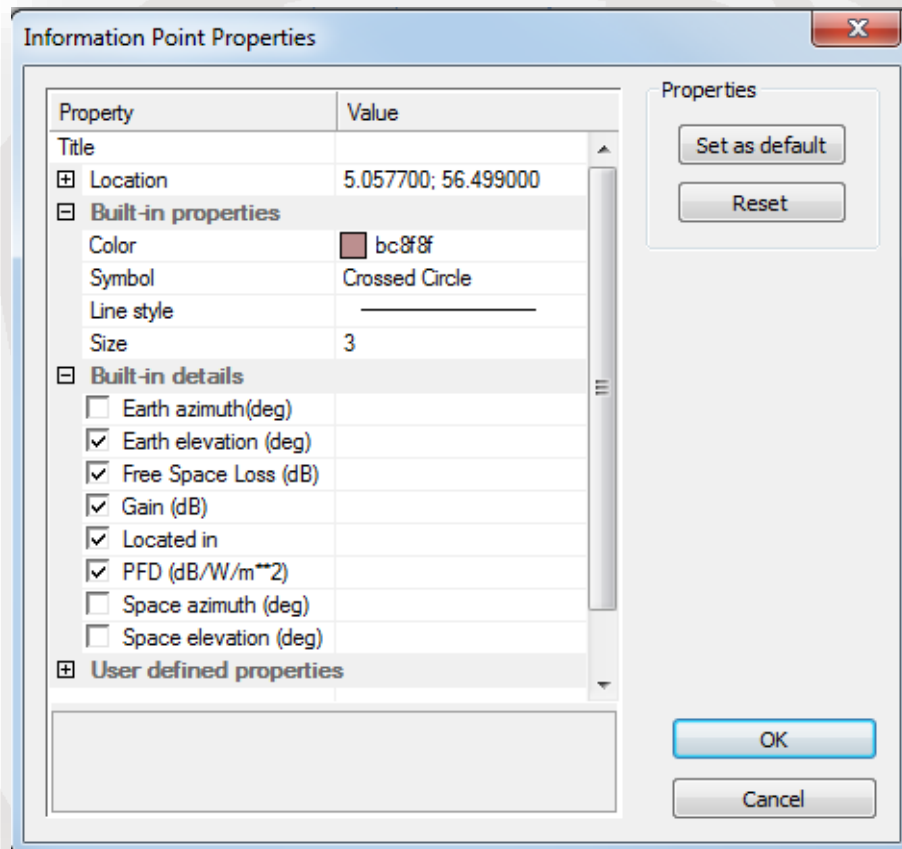
Creating Information Points (III)
Copy/Paste (from SpaceCap)

Video

Creating Information Points (IV)
Load test points from SPS database

Video

Info Points Properties & Details (I)

Information Point Properties

Property	Value
Title	
⊞ Location	5.057700; 56.499000
⊟ **Built-in properties**	
Color	▦ bc8f8f
Symbol	Crossed Circle
Line style	————
Size	3
⊟ **Built-in details**	
☐ Earth azimuth(deg)	
☑ Earth elevation (deg)	
☑ Free Space Loss (dB)	
☑ Gain (dB)	
☑ Located in	
☑ PFD (dB/W/m**2)	
☐ Space azimuth (deg)	
☐ Space elevation (deg)	
⊞ **User defined properties**	

Properties
Set as default
Reset

OK
Cancel

Basic properties, always available:

Built-in Properties
Location, style…

Built-in Details
"Calculated" values provided by GIMS
(always apply to all points)

Set as default
Make the selected properties the default ones when creating a new point

Info Points Properties & Details (II)

Activate tooltips
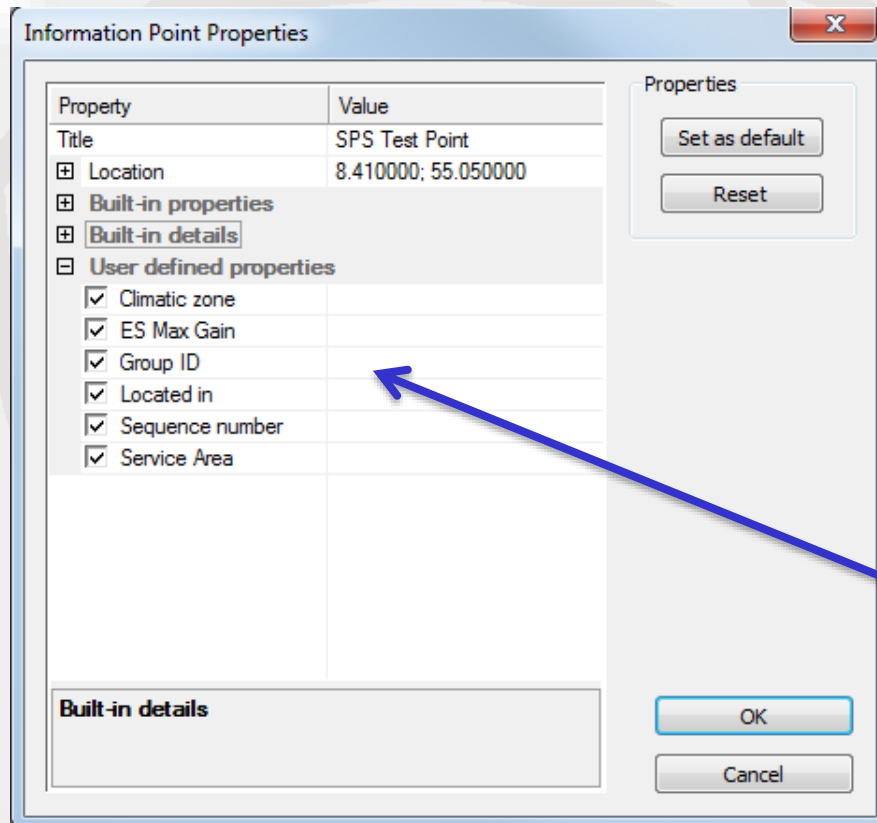
Activate the selector tool

Selected details shown
in the point's tooltip

```
⊕

Position              : 5.0577;56.499

Earth elevation (deg) :  22.28
Free Space Loss (dB)  : 162.89
Gain (dB)             :  -7.76
Located in            :  Sea
PFD (dB/W/m**2)       :
```

Info Points Properties & Details (III)

Property	Value
Title	SPS Test Point
⊞ Location	8.410000; 55.050000
⊞ **Built-in properties**	
⊞ **Built-in details**	
⊟ **User defined properties**	
☑ Climatic zone	
☑ ES Max Gain	
☑ Group ID	
☑ Located in	
☑ Sequence number	
☑ Service Area	

Properties

Set as default

Reset

Built-in details

OK

Cancel

User defined properties
Any properties (i.e. name/value pairs) attached to the point when created

e.g. information related to a test point loaded from SPS_ALL and attached to each point

Info Points Properties & Details (IV)

- Double-click **one point** to change its properties

- Change properties of **several points** with properties toolbar button
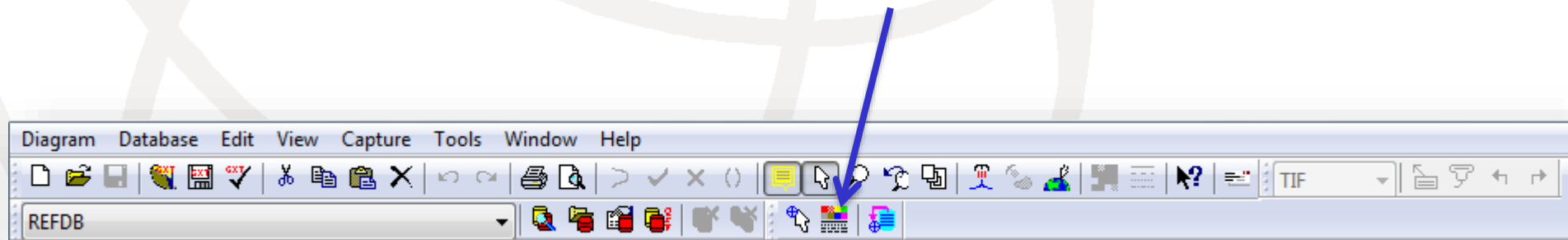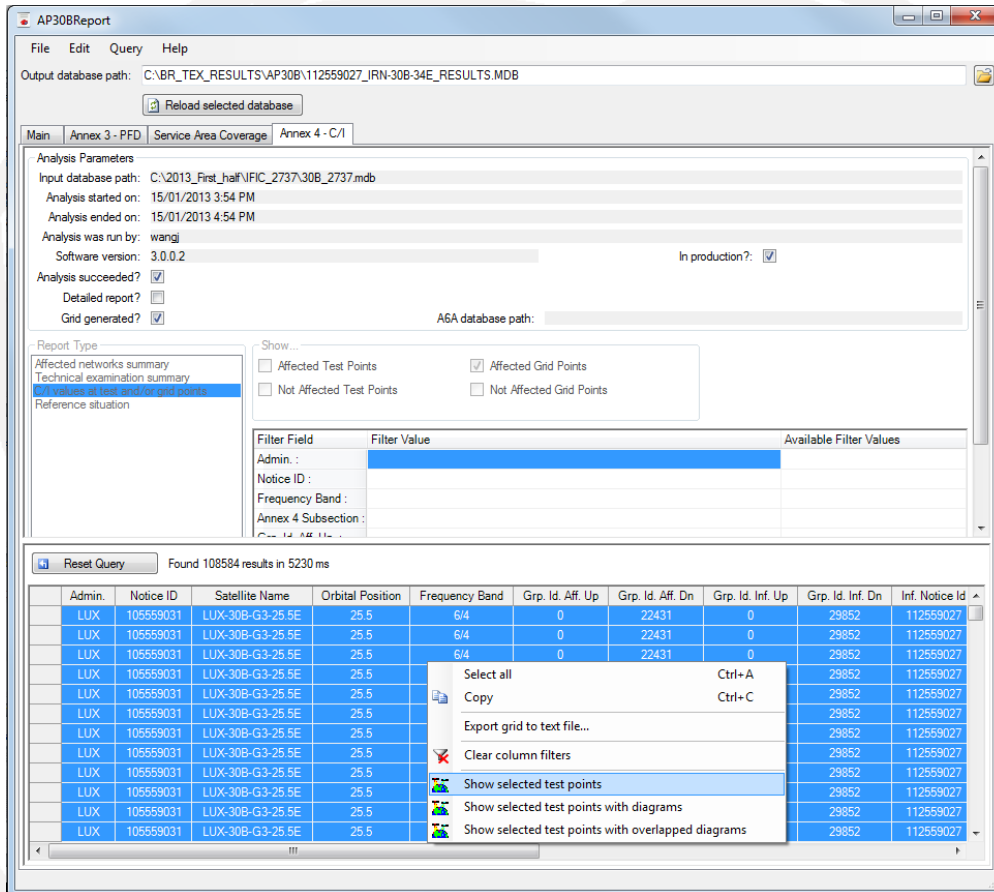
Information Points Misc

- Copy points in GIMS and paste into text document, Excel spreadsheet…
- Undo/redo work with info points

- Cannot save info points yet.
  - ➢ Workaround: copy/paste into text file

Programming Information Points

- ## Use new functions in gimapi32.dll
  - ### gmInfoPointShow
    - This function allows the application to use GIMS to display a series of information points

  - ### gmInfoPointShowWithDiagram
    - This function allows the application to use GIMS to display a series of information points along with diagrams.

  - ### gmInfoPointShowWithOvlpDiagram
    - This function allows the application to use GIMS to display a series of information points along with diagrams.

Information Point "Clients"

Now, AP30BReport to show points in query results (like SPSReports).

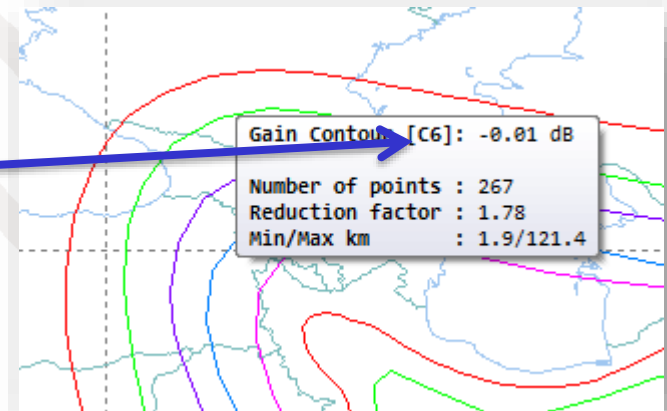Others in the future. Hopefully...

Database Explorer
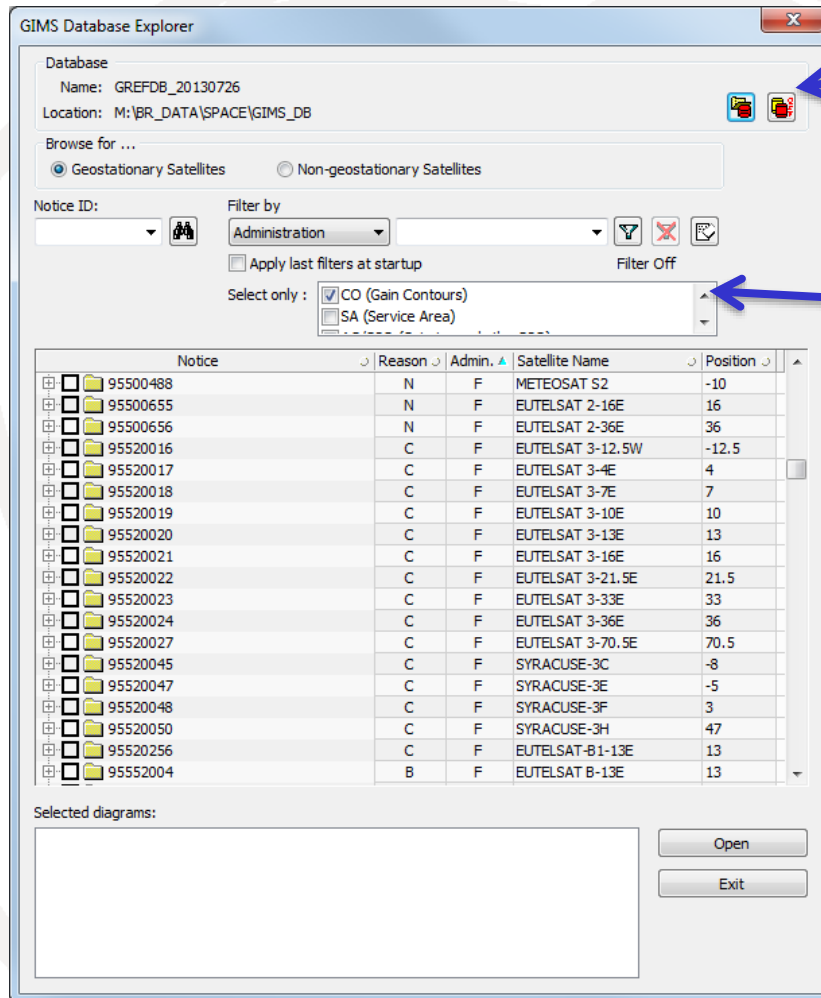
Start GimsQry on open database

Filter the diagram types you want to select

Other New Features

Gain contour tooltip shows index of contour in GXT file

Gain Contour [C6]: -0.01 dB

Number of points : 267
Reduction factor : 1.78
Min/Max km   : 1.9/121.4

New unit conversion dialog

Video

Double-click status bar to edit units options for coordinates displayed in the status bar.