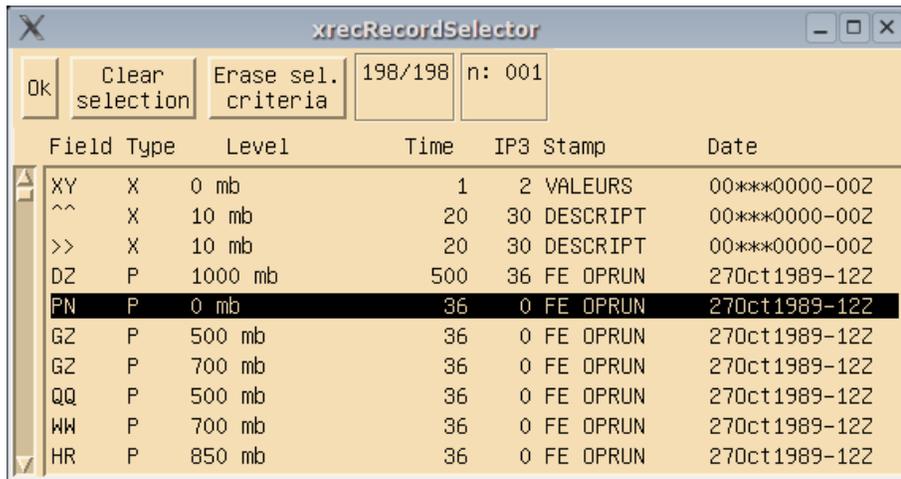


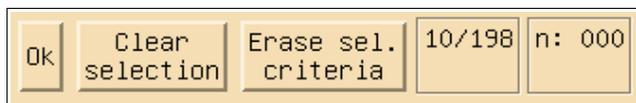
The Record Selector

The "Record Selector" is one of the key elements of "xrec". It provides an efficient way to locate and access the thousands of records that RPN standard files can contain. Here its basic configuration follows.



To display the PN field, just click on the PN record and click the OK button (in the upper left). Double-clicking on the PN record has the same effect.

The panel has only one row of buttons (3) and labels (2).



“OK” has for effect to display the selected field.

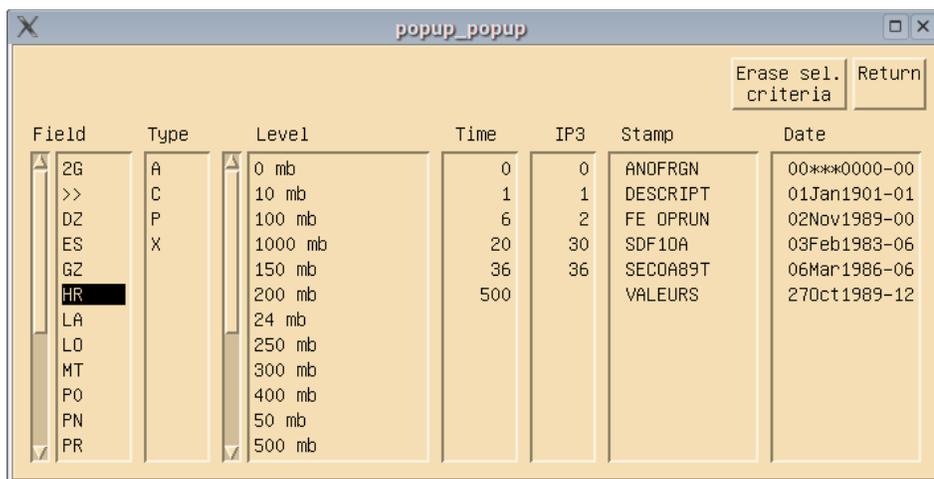
“Clear selection” deselects all fields.

“Erase sel. Criteria” clears all the filters use to filter the records.

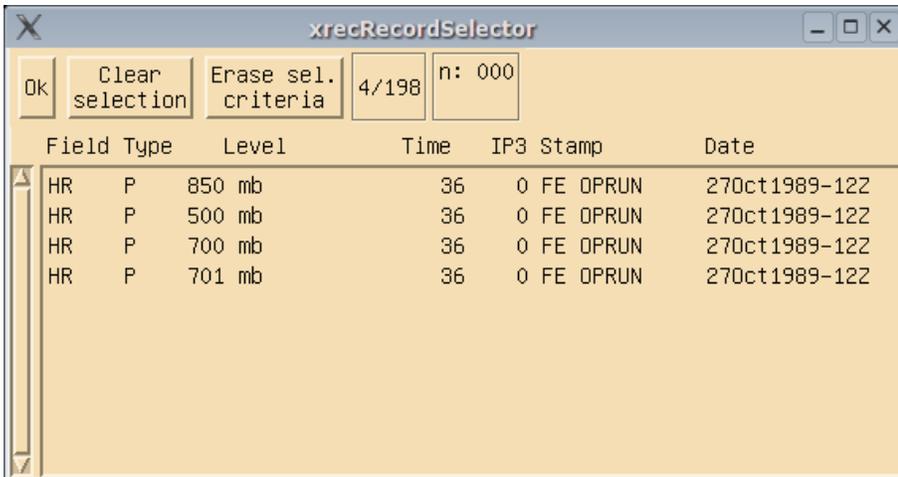
“XX/YY” is an information label giving the number of filtered fields / the total number of fields in the file(s). Here 10 fields match the selection criteria on a total of 198.

“n : 000” is the number of selected fields.

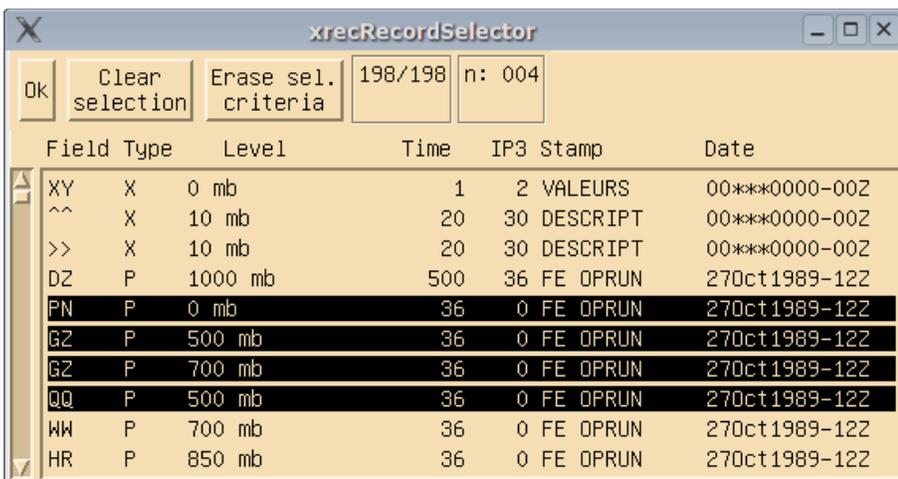
An interesting feature of this panel is its ability to create an inventory of all the items included in the standard files. These items can then be individually selected to create filters that provide a more direct access to the records of interest. To access this feature, just click on any button representing a standard file attribute (Field, Type, Level, etc). A popup menu will appear:



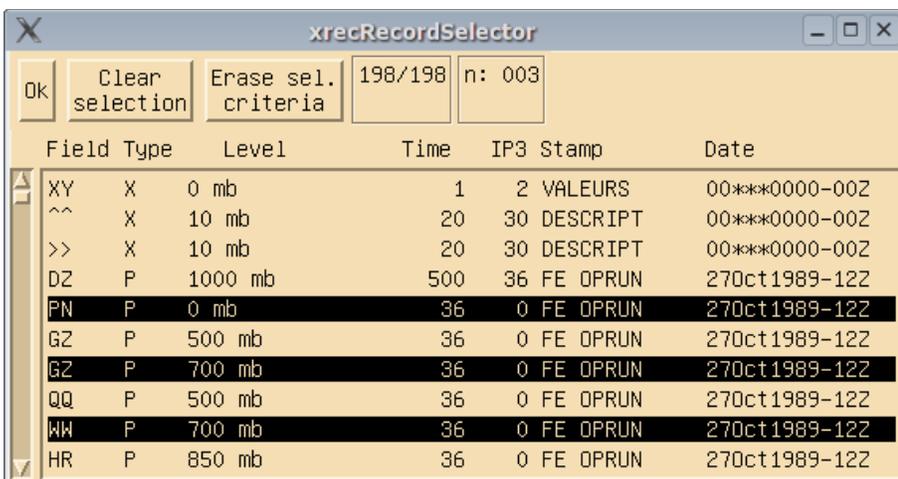
In this example here we click on the “HR” token from the “Field” column. After having pressed the “Return” button only the records whose name is HR are shown.



The selector also allows more than one field to be displayed at any given time. Multiple fields can be selected by first selecting a record with the left mouse button and by dragging the mouse up or down. Only adjacent fields can be selected with this option.

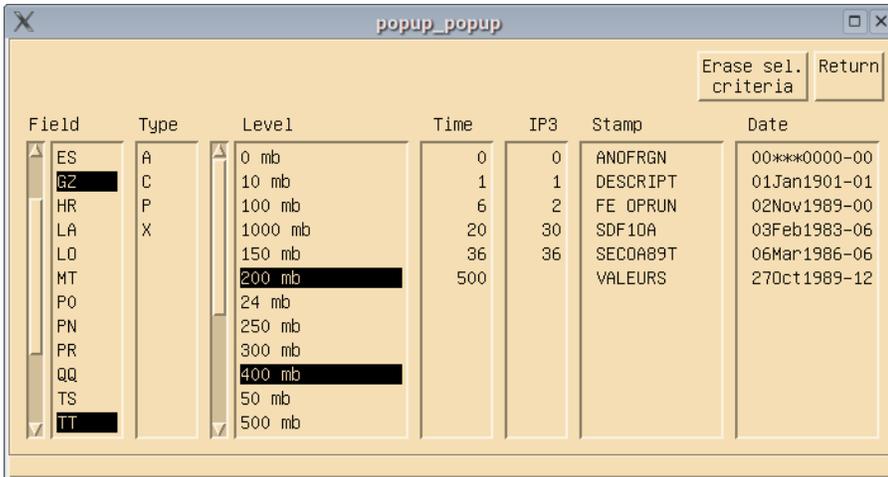


Non-adjacent fields may be selected as well. This type of selection can be made by selecting fields with the left mouse button while pressing the "CTRL" key on your keyboard.



Using multiple filters

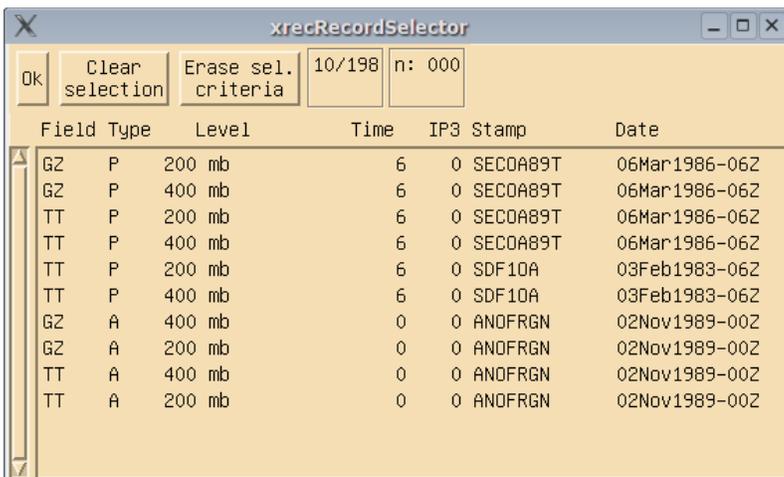
Multiple filters can be activated at any time. They work as a big OR inside each column and a big AND between the columns.



The screenshot shows a window titled 'popup_popup' with a table of records. The table has columns: Field, Type, Level, Time, IP3, Stamp, and Date. The 'Field' column has values ES, GZ, HR, LA, LO, MT, PO, PN, PR, QQ, TS, and TT. The 'Level' column has values 0 mb, 10 mb, 100 mb, 150 mb, 200 mb, 24 mb, 250 mb, 300 mb, 400 mb, 50 mb, and 500 mb. The 'Time' column has values 0, 1, 6, 20, 36, and 500. The 'IP3' column has values 0, 1, 2, 30, and 36. The 'Stamp' column has values ANDFRGN, DESCRIPT, FE OPRUN, SDF10A, SECOA89T, and VALEURS. The 'Date' column has values 00***0000-00, 01Jan1901-01, 02Nov1989-00, 03Feb1983-06, 06Mar1986-06, and 27Oct1989-12. The 'Field' column is filtered to show only GZ and TT. The 'Level' column is filtered to show only 200 mb and 400 mb.

Field	Type	Level	Time	IP3	Stamp	Date
ES	A	0 mb	0	0	ANDFRGN	00***0000-00
GZ	C	10 mb	1	1	DESCRIPT	01Jan1901-01
HR	P	100 mb	6	2	FE OPRUN	02Nov1989-00
LA	X	1000 mb	20	30	SDF10A	03Feb1983-06
LO		150 mb	36	36	SECOA89T	06Mar1986-06
MT		200 mb	500		VALEURS	27Oct1989-12
PO		24 mb				
PN		250 mb				
PR		300 mb				
QQ		400 mb				
TS		50 mb				
TT		500 mb				

In the example above we ask the selector to display only the records “whose NAME is either GZ or TT” and “whose level is 200 mb OR 400 mb”. Here is the result.



The screenshot shows a window titled 'xrecRecordSelector' with a table of records. The table has columns: Field, Type, Level, Time, IP3, Stamp, and Date. The 'Field' column has values GZ and TT. The 'Level' column has values 200 mb and 400 mb. The 'Time' column has values 6 and 0. The 'IP3' column has values 0. The 'Stamp' column has values SECOA89T and SDF10A. The 'Date' column has values 06Mar1986-06Z and 03Feb1983-06Z. The 'Field' column is filtered to show only GZ and TT. The 'Level' column is filtered to show only 200 mb and 400 mb.

Field	Type	Level	Time	IP3	Stamp	Date
GZ	P	200 mb	6	0	SECOA89T	06Mar1986-06Z
GZ	P	400 mb	6	0	SECOA89T	06Mar1986-06Z
TT	P	200 mb	6	0	SECOA89T	06Mar1986-06Z
TT	P	400 mb	6	0	SECOA89T	06Mar1986-06Z
TT	P	200 mb	6	0	SDF10A	03Feb1983-06Z
TT	P	400 mb	6	0	SDF10A	03Feb1983-06Z
GZ	A	400 mb	0	0	ANDFRGN	02Nov1989-00Z
GZ	A	200 mb	0	0	ANDFRGN	02Nov1989-00Z
TT	A	400 mb	0	0	ANDFRGN	02Nov1989-00Z
TT	A	200 mb	0	0	ANDFRGN	02Nov1989-00Z

Important note :

The filters of the record selector act only as a visual aid to help you to focus on the records you really want to analyze. They do not filter the contents of the files to the program operations like loading an animation sequence or a vertical cross section.