Saada Key-points

- **Saada builds databases from data files**

  No Code to write

  Storage of heterogeneous dataset

  Can host multiple data collections

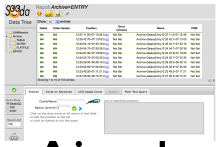
  Meta-data tagging (ucd, units…) « by hand »

  Acces by Web interface or VO protocols

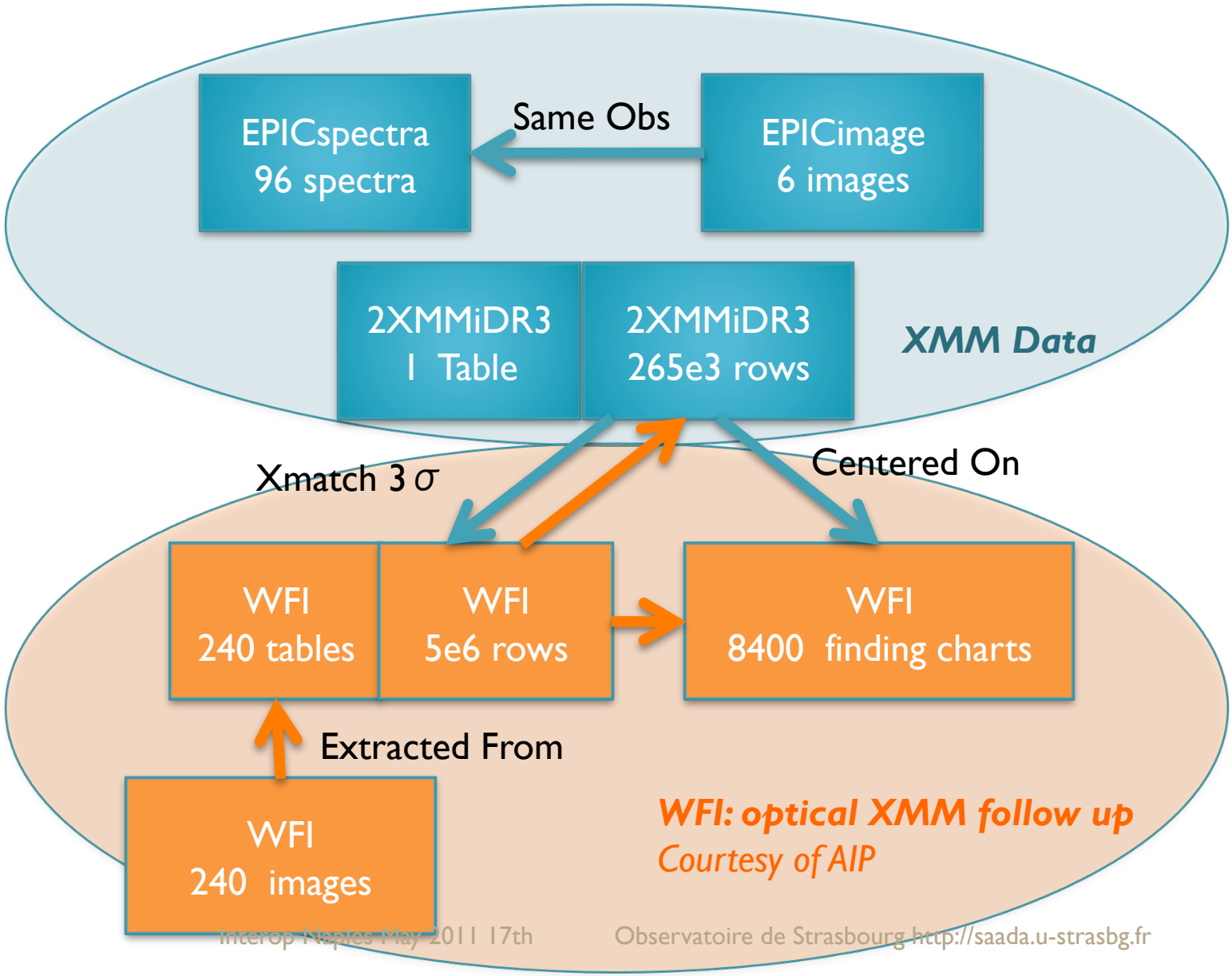
- **A Java layer on the top of an RDBMS**

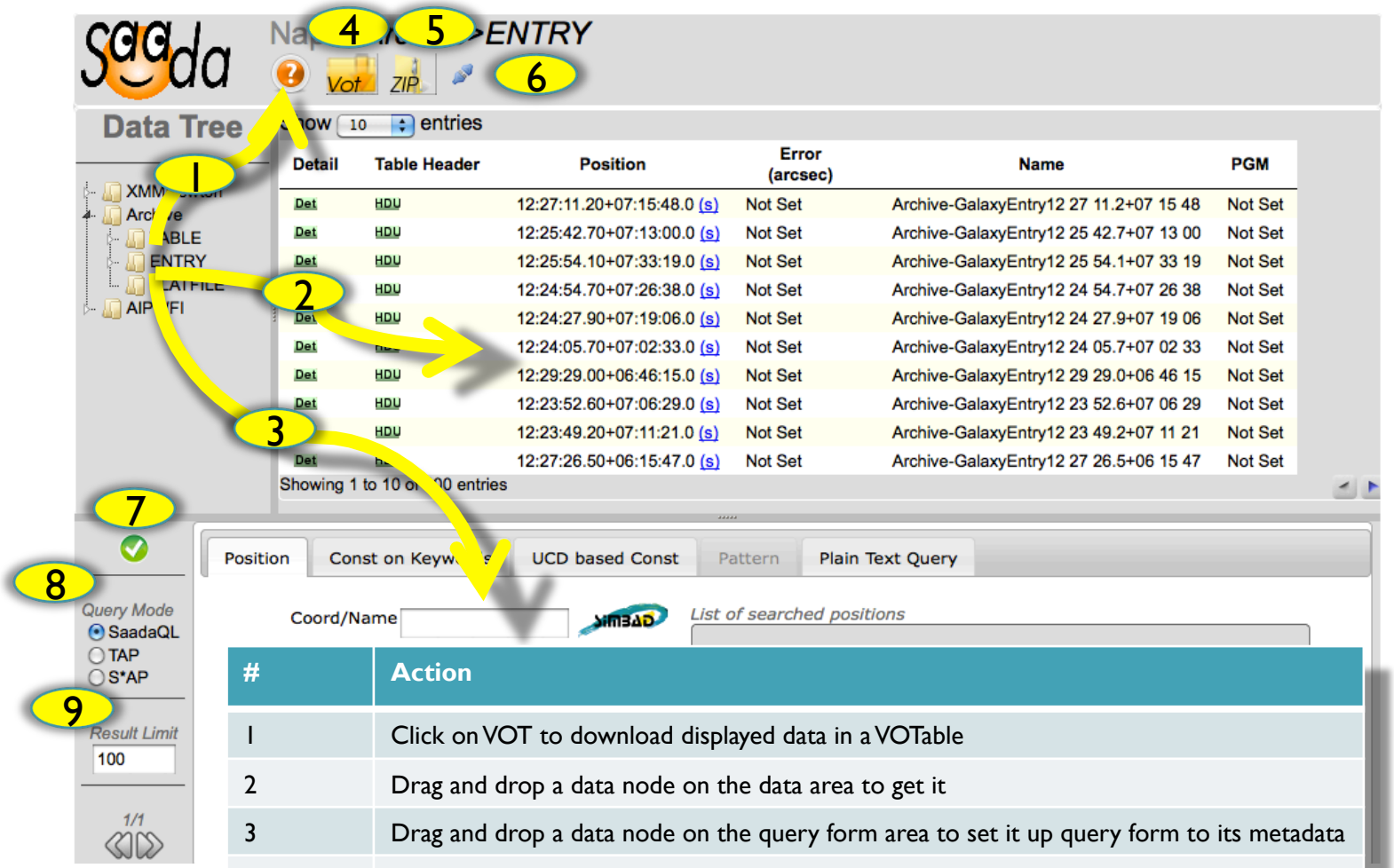
  PostgresQL, MySQL or SQLite

1.6.0 News

- SQLite
  Embedded database (simple file)
  Data storage in one simple file
  No client/server infrastructure to deploy
  But real limitations (tables < 1e6 rows)
- TAP access
  Asynchronous TAP queries
- 
  New Web interface
  Ajax based
  Samp (WebSampConnector OBSPM)

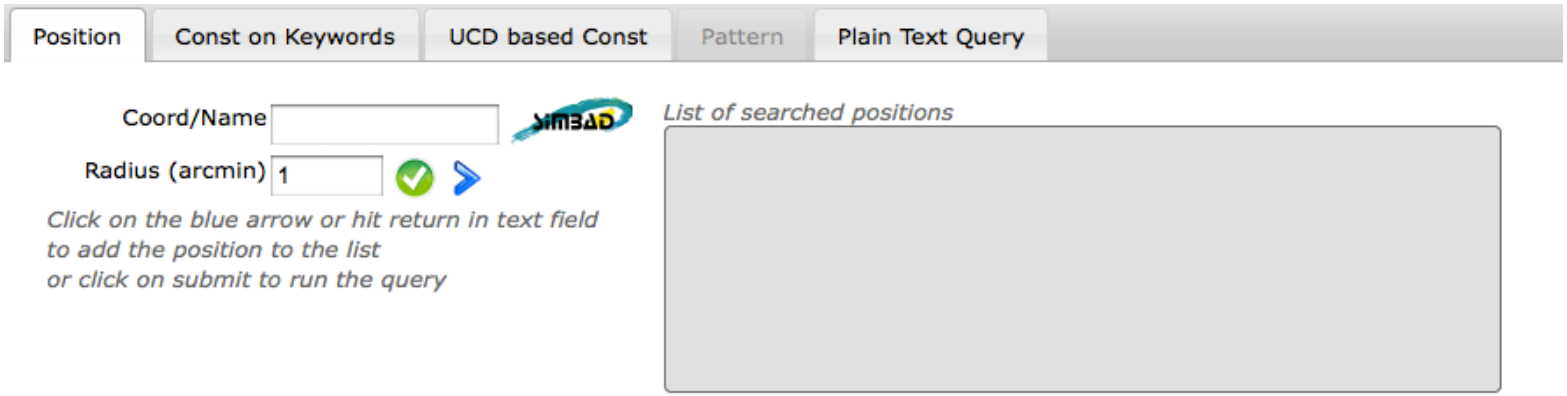
2 Collections of Linked Data





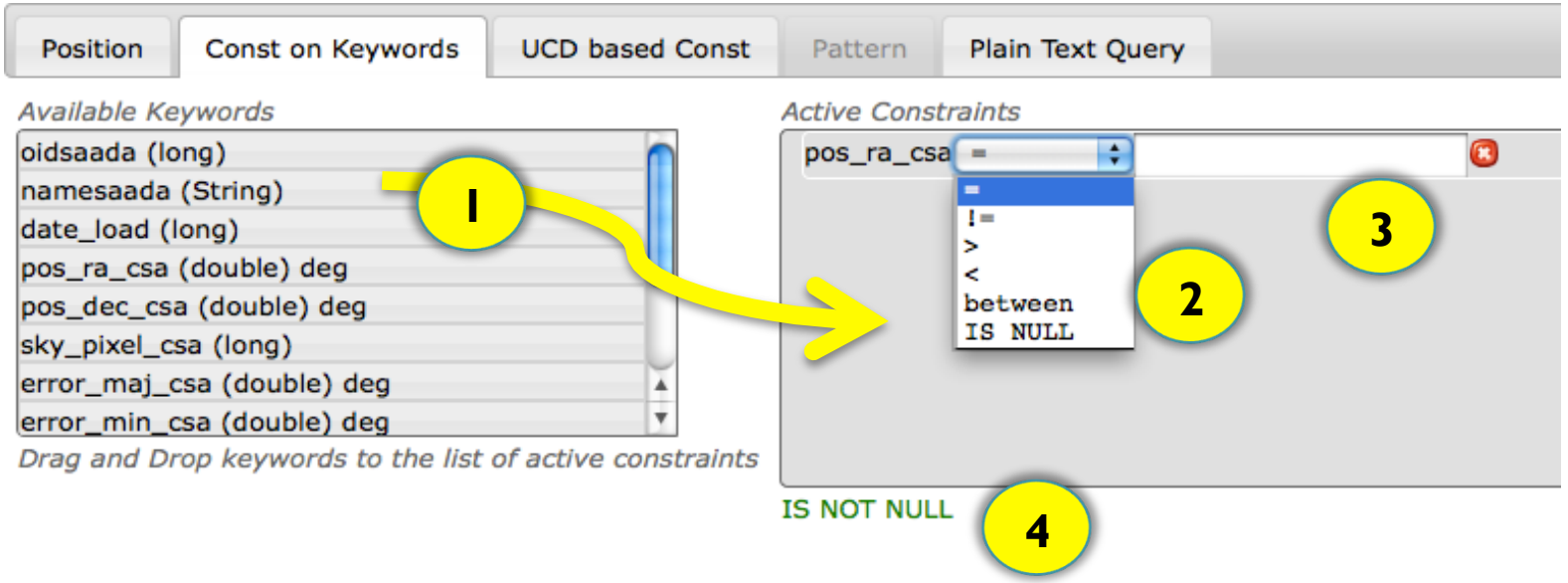
#	Action
1	Click on VOT to download displayed data in a VOTable
2	Drag and drop a data node on the data area to get it
3	Drag and drop a data node on the query form area to set it up query form to its metadata
4	Click on VOT to download displayed data in a VOTable
5	Click on ZIP to download displayed data in a ZIP ball including associated data
6	Samp connector.: Click on the IVOA icon to broadcast displayed data
7	Submit the current query
8	Query mode selector
9	Result limit setup

SaadaQL editor



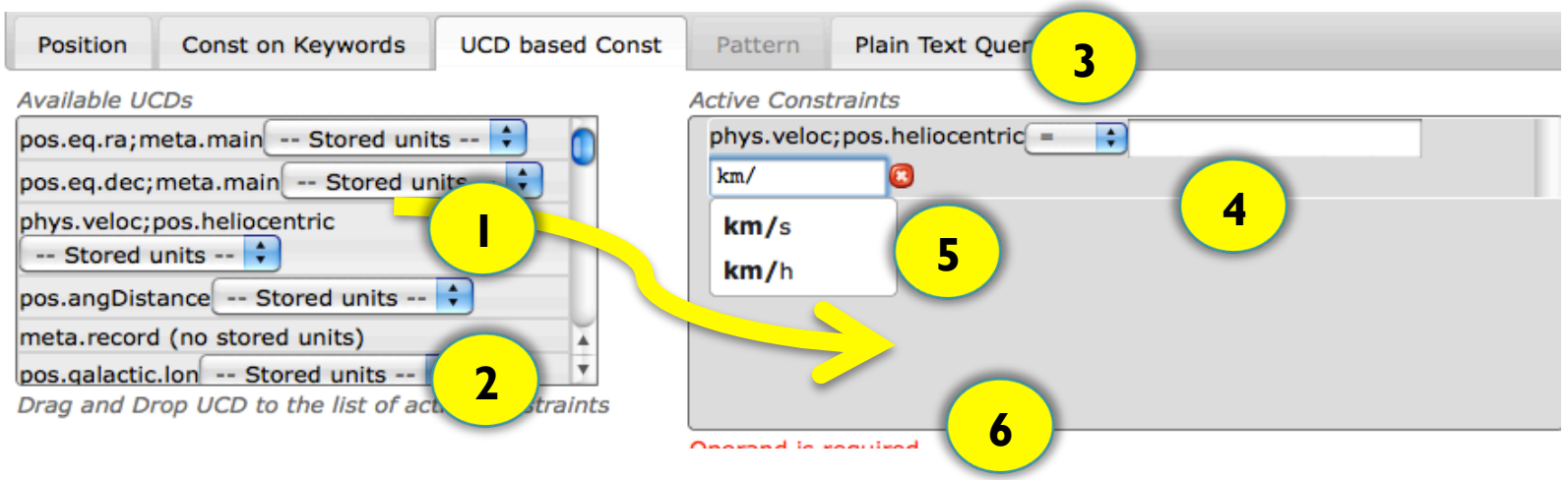
Tab	Action
General	Only tabs relevant for the considered data node are active (no position for queries on table header e.g.)
Position	Positional constraint editor: Position can be given either by name or values. Names can be resolved by Sesame (Simbad button). SaadaQL queries support multi-target queries.
Const on Keyword	Edition of logical conditions on keywords of the considered data node
UCD based Const	Editor for constraints expressed with UCDs available (queriable) in data node metadata
Pattern	MatchPattern editor: Constraint on associated data
PlainText Query	SaadaQL query text

SaadaQL KW editor



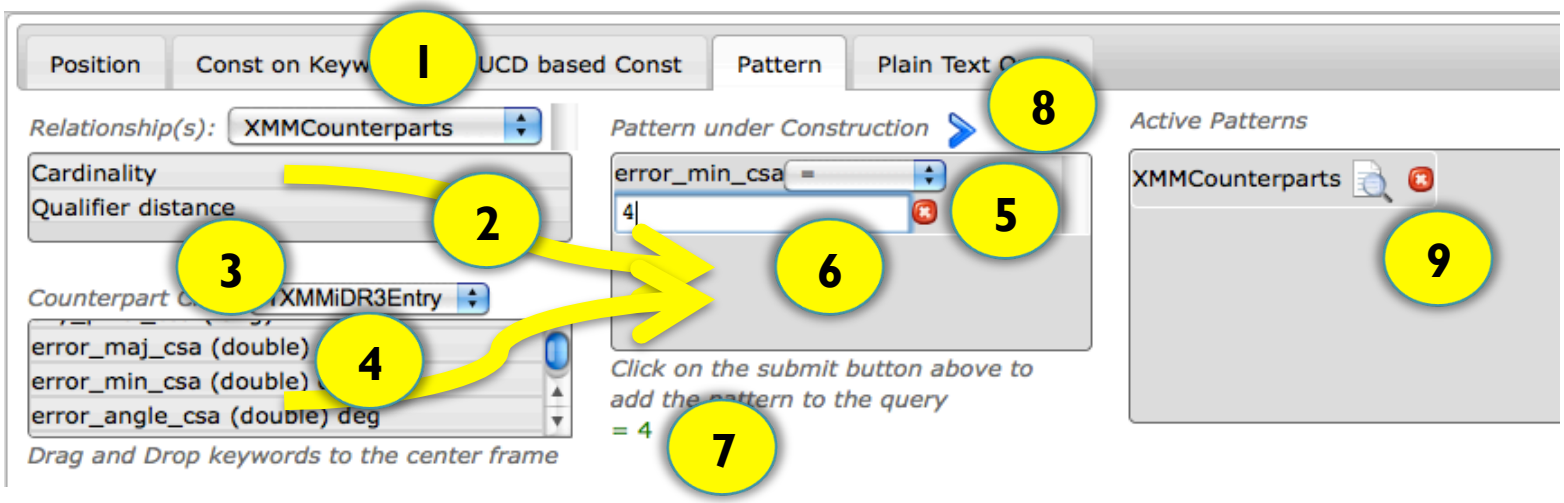
#	Action
1	Drag and Drop a keyword on the constraint list
2	Select an operator
3	Type operands. String quotes are automatically set
4	Constraints are checked on the fly

SaadaQL: UCD Based Constraint Editor



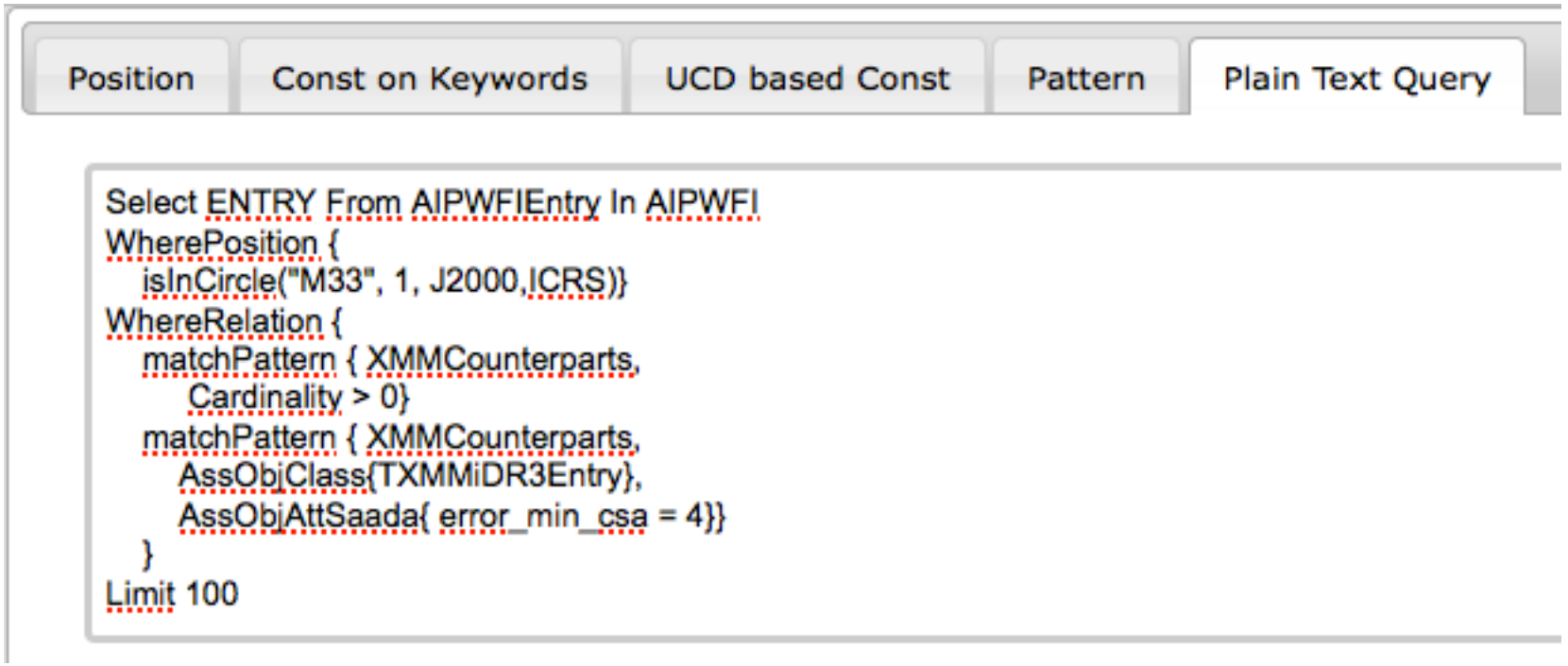
#	Action
1	Drag and Drop a UCD on the constraint list
2	Units currently used for that UCDs in the database
3	Operator selector
4	Operand text field
5	Unit suggest box
6	Constraints are checked on the fly

SaadaQL: matchPattern Editor



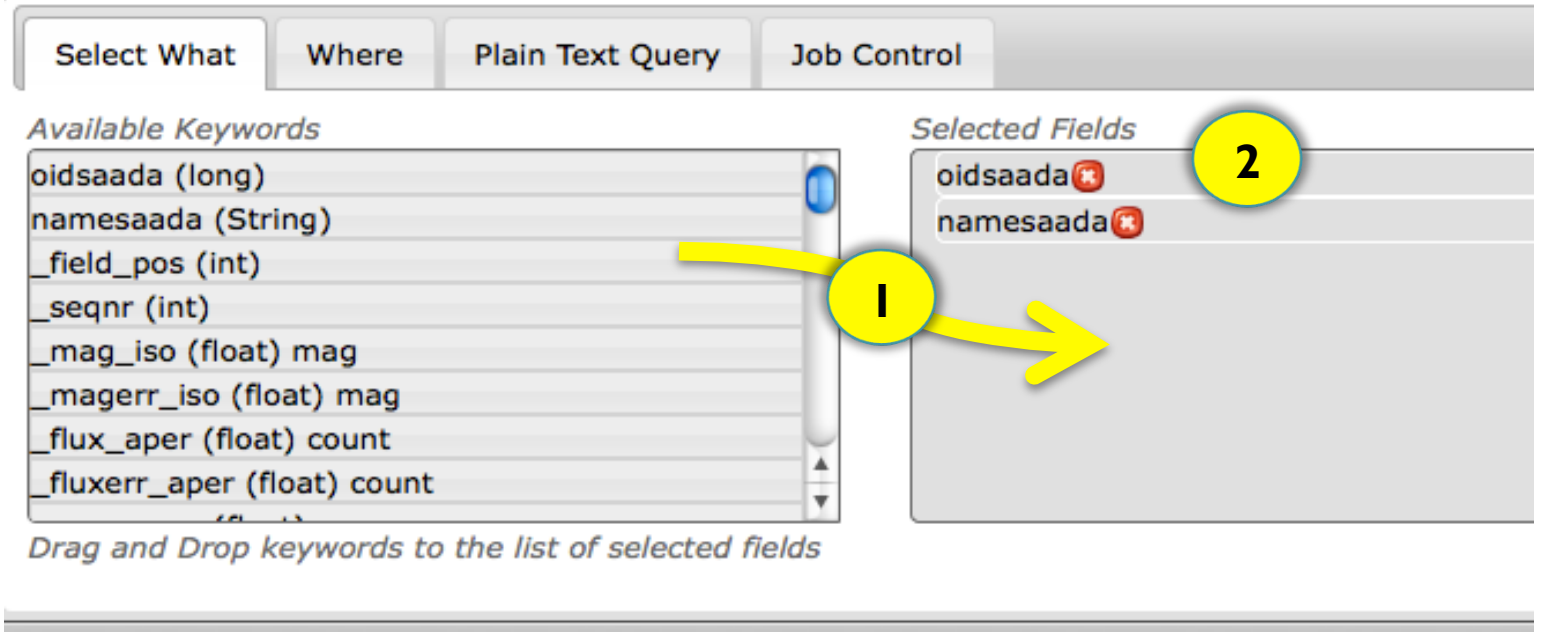
#	Action
1	Relationship selector
2	Drag and drop relationship parameters to the constraint list
3	Select the counterpart class (counterpart scope)
4	Drag and drop counterpart keyword on the constraint list
5	Operator selector
6	Operand editor
7	Constraints are checked on the fly
8	Builds a pattern with the constraint list and add it to the pattern list
9	List of query matchPatterns: can be previewed or removed

SaadaQL: Plain Text Editor



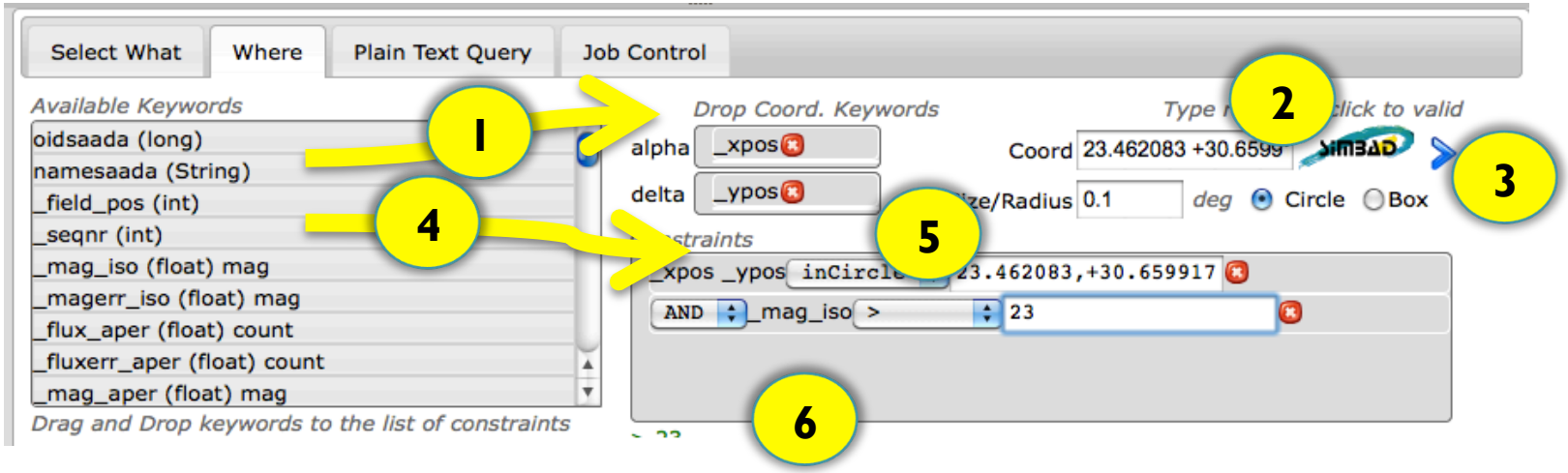
Tab	Action
General	Updated after any action on any other tab
Position	Can be modified by hand: No syntax checking
Const on Keyword	Hand-made modification overridden by any action on a widget .

ADQL/Tap: Select Clause Editor



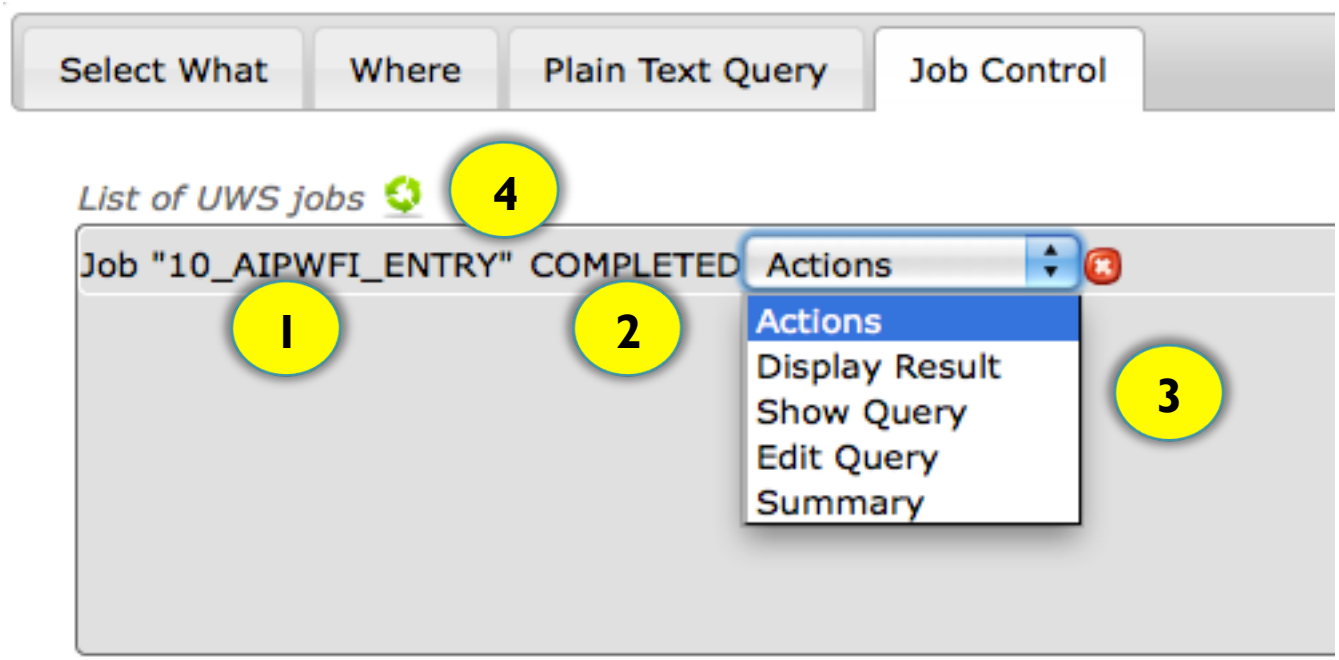
#	Action
1	Drag and Drop column names of the queried table to the field list
2	List of selected fields

ADQL/Tap: Where Clause Editor



#	Action
1	Drag and drop position keywords to the positional constraint editor
2	Positional parameters editor: Position must be given in decimal
3	Add the positional constraint to the current query
4	Drag and drop keywords to the constraint list
5	Constraint operands are edited by hand
6	Constraints are checked on the fly

TAP Job Control



#	Action
1	Job name: generated by Saada and more or less relevant from the current data node.
2	Job status
3	Popup list of possible action
4	Refresh the current job list (both jobs and status)

Prospects

- **DM View Mapper (ObsTap)**

  Scheduled for next Interop

- **Web Interface Continuing**

  Student work in progress

- **General implementation of asynchronous processing**

  Large dataset download