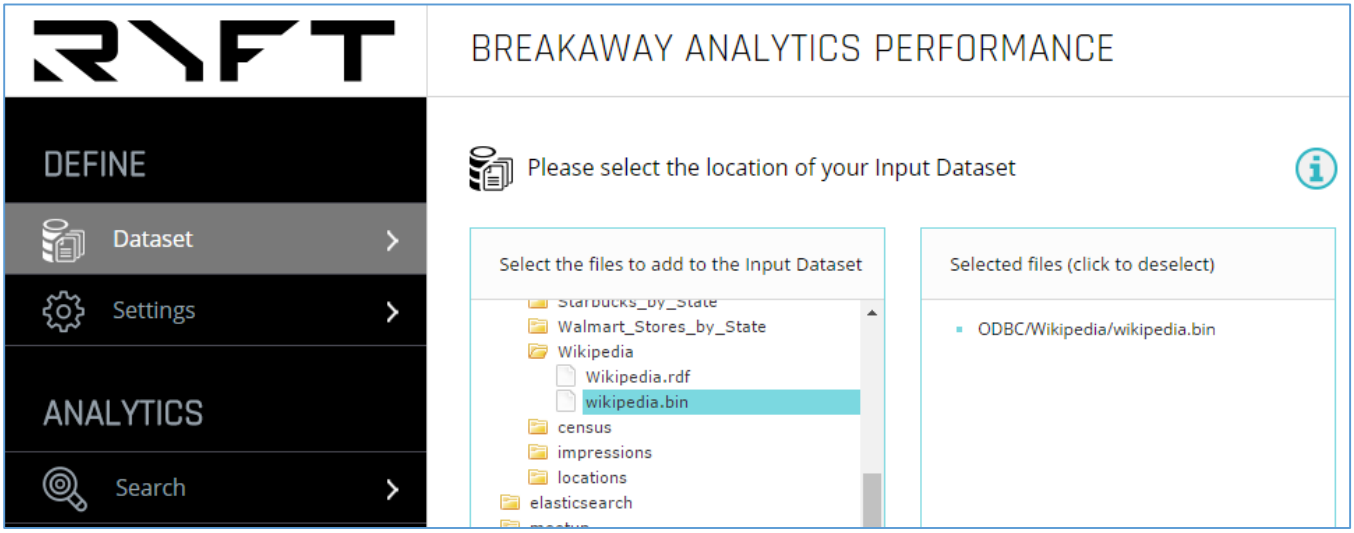
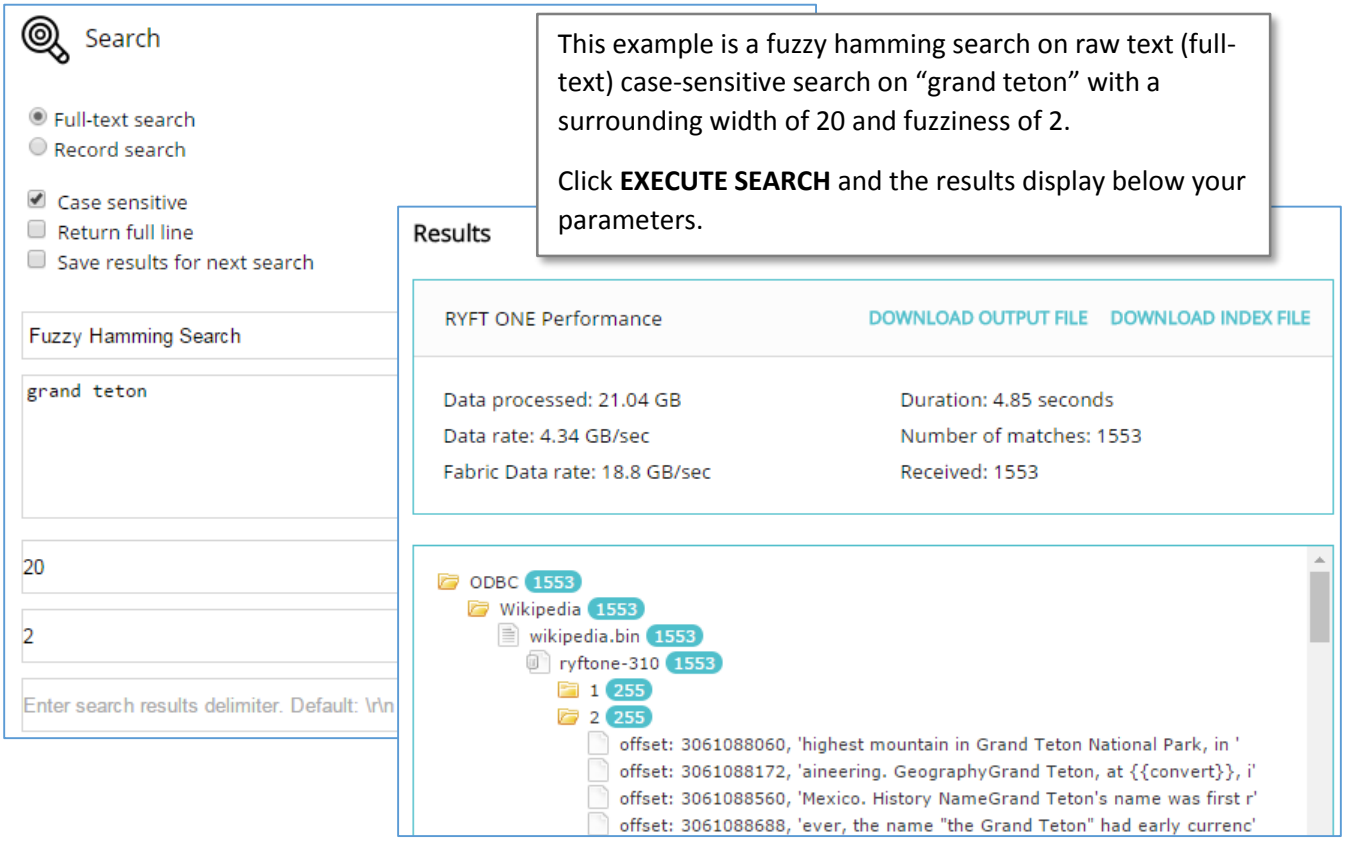
The Ryft ONE comes configured with a running web server that serves as a graphical interface using the Ryft primitives. Ensure the necessary RDF and data are installed on the Ryft ONE and then access the Ryft ONE interface using one of these methods:

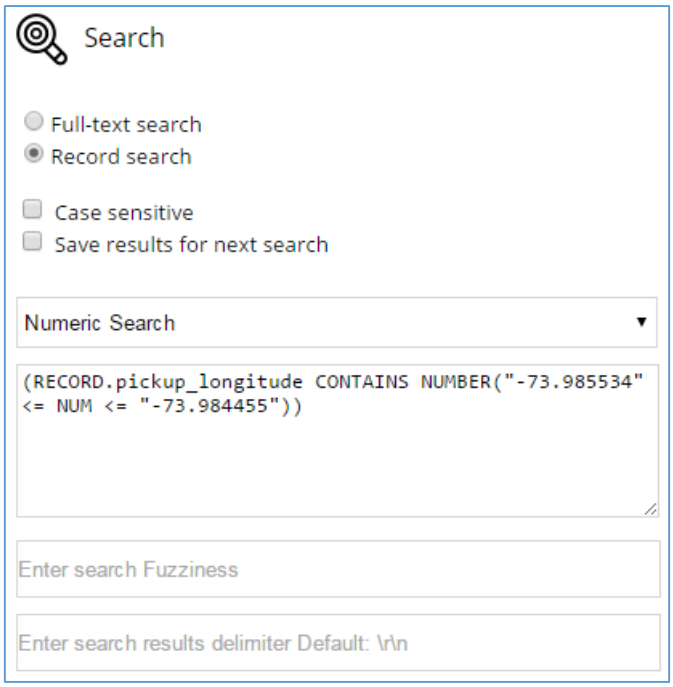
- Use **http://<Ryft ONE IP address>:8989**
- If you're connected directly to the Ryft ONE, open your web browser to **http://<localhost>:8989**



The **Dataset** page displays the data files in the "/ryftone" directory on your Ryft ONE server. Scroll down to select the data file(s). Selected files display on the right side of the page. Click **Settings,** on the left, to specify the number of nodes to use for processing (max of 4); default is 4, all available nodes.

Click **Search** to specify your parameters.





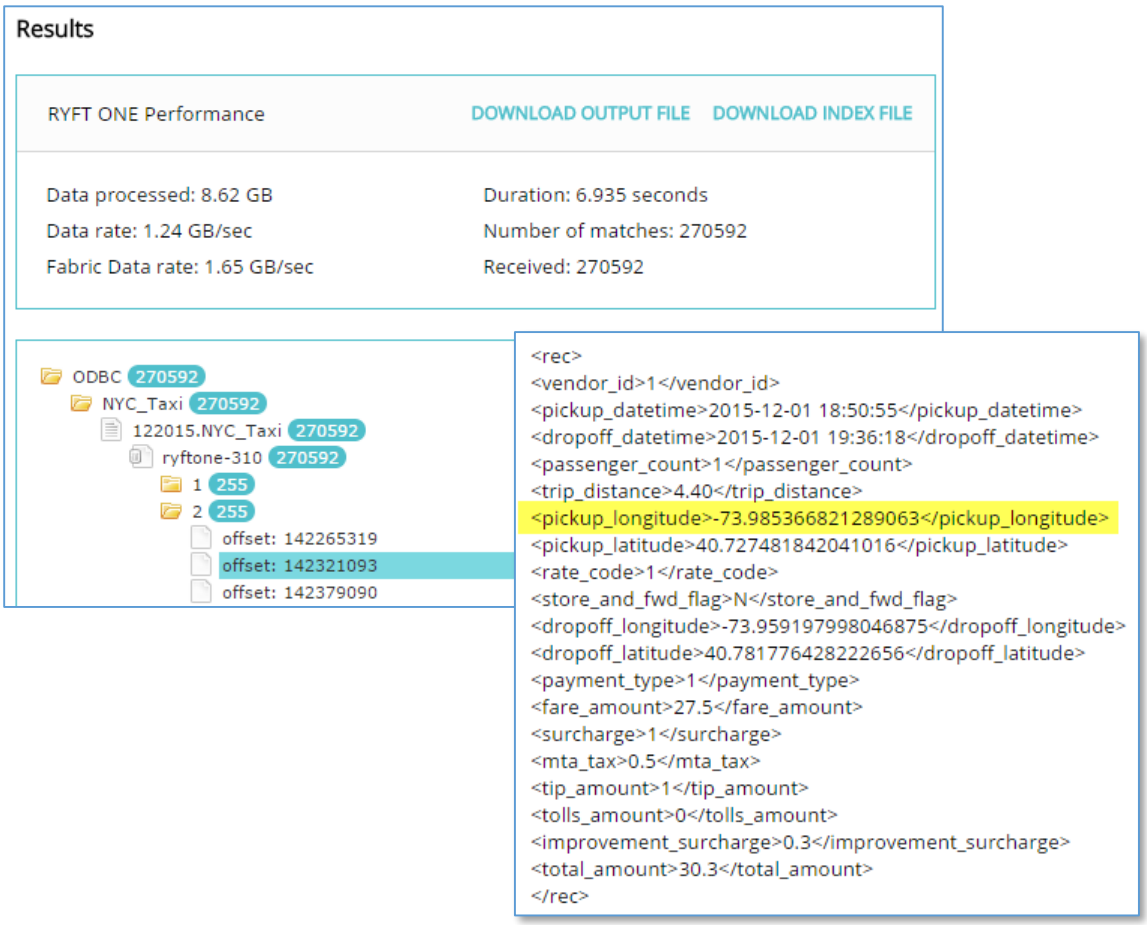
This is a record (structured) numeric search for records where the pickup longitude falls within the stated parameters.

It returns 270,592 record matches with a fabric data rate of 1.65 GB/second.

Drill-down to view each returned record. Notice the drill-down starts from the data file location (ODBC/NYC_Taxi/122015.NYC_Taxi), then the Ryft ONE server name (ryftone-310) and the folders. Select a folder and then click on an offset (record) to view the record.

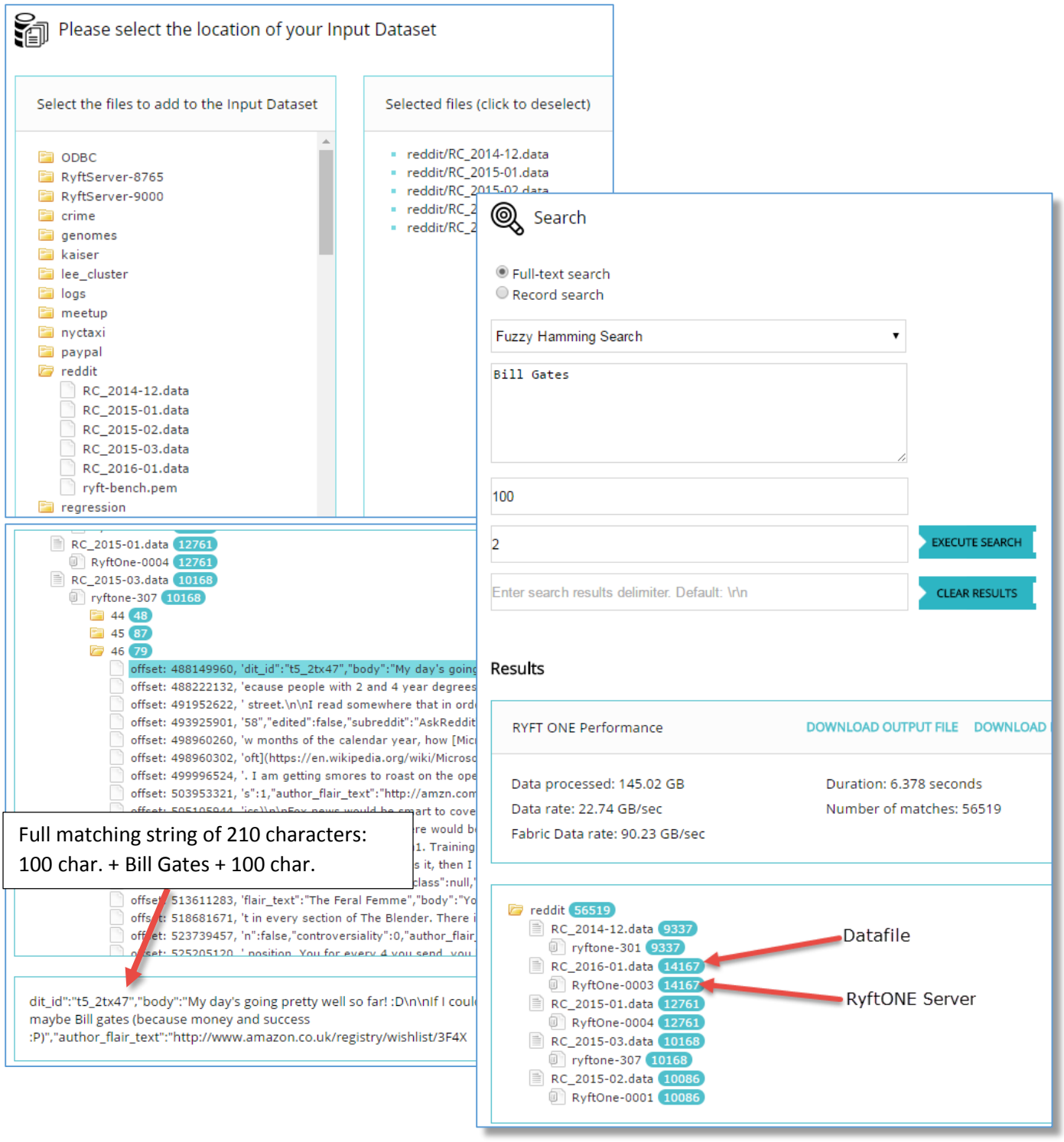
The matching record displays below the list of matches.

Additional folders are created if more than 255 record matches are found.



The pickup longitude of one of the results is highlighted to show that it falls within the search range.

Query on Ryft ONE Cluster



The unified list of data files shows the data files available on all Ryft ONE severs without distinguishing the server on which they are stored. Results show the number of matches in each data file, and the server on which that data file resides.

Select a specific record and the full matching string displays at the bottom.

The Ryft ONE Web UI provides a simple to use Web interface for execution of all search queries on the Ryft ONE server. It provides options to view results directly on the interface, or to download the results and index files for further processing. The UI uses the ryft-server REST API for all transactions on the Ryft ONE, taking advantage of all the functions supported by that interface. Queries can be run on a single Ryft ONE server or to a cluster of Ryft ONE servers, with data spread across multiple servers.

For more information, see the *Ryft ONE: User Guide*.