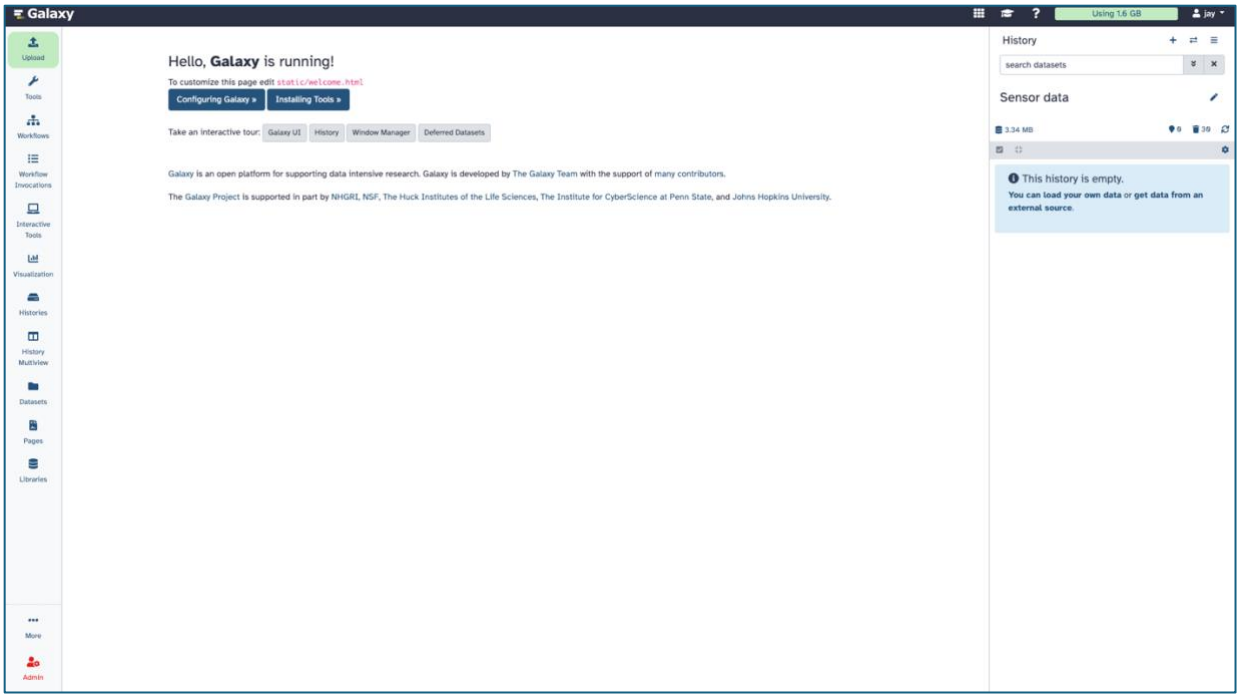
GAIA-C (Galaxy Air Investigation and Analysis for Citizens) - A scalable Galaxy workflow interface for air pollution research.

Tutorial to execute data analysis workflow

Select the top right **"Login or Register"** button and login to the default admin user account using default username "**admin@example.org"** and password "**password"**.

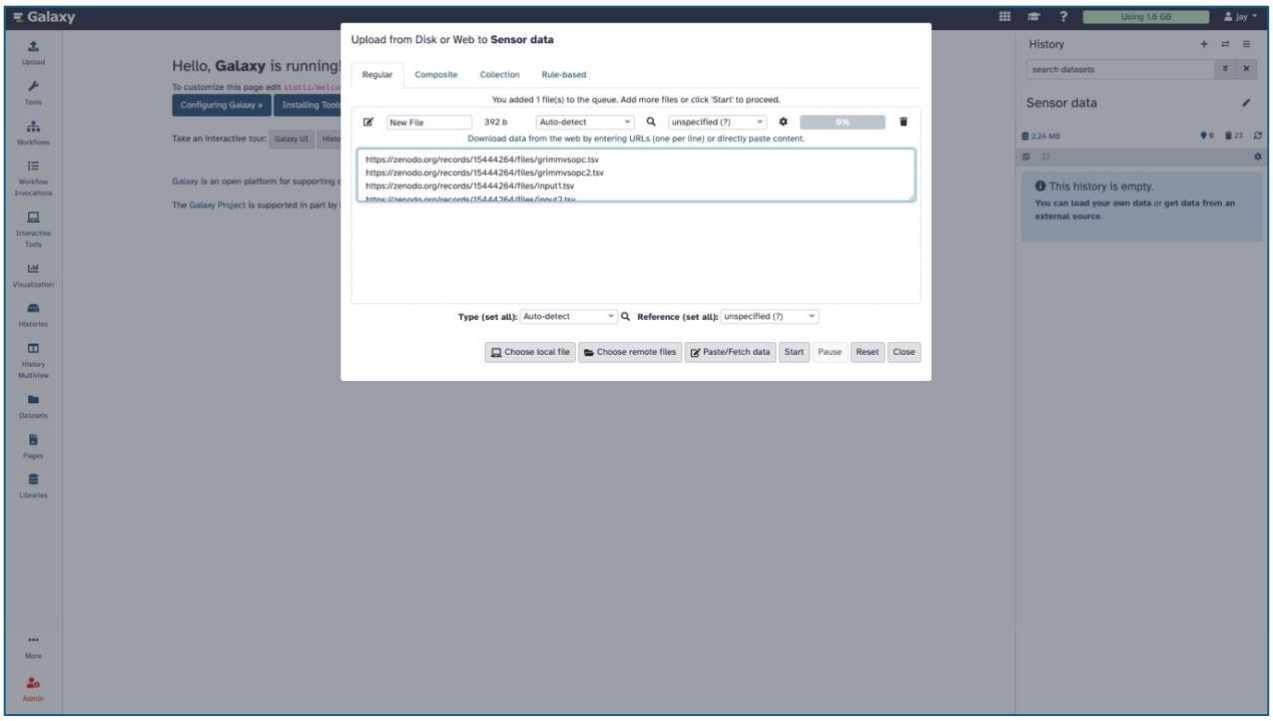
Step 1: Download the data

1.1 Select the **Upload** icon in the top-left corner.

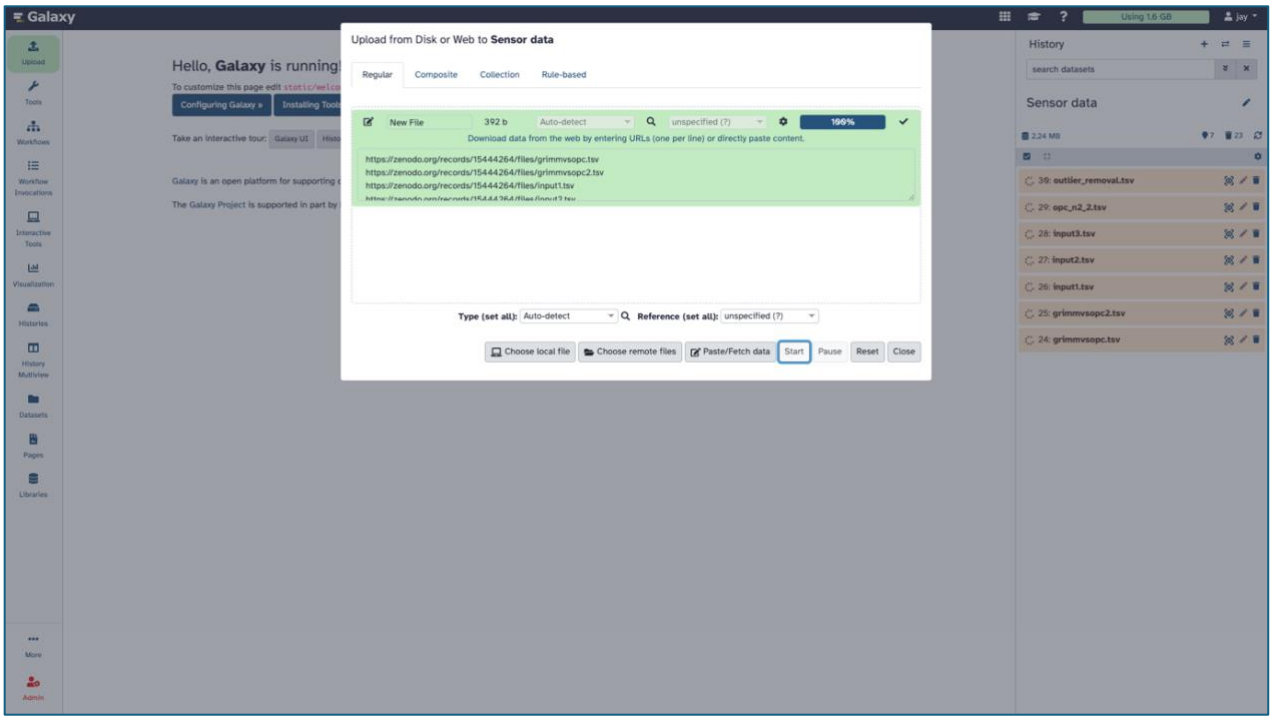


1.2 Copy and paste the following links into the Upload tool
https://zenodo.org/records/15444264/files/grimmvsopc.tsv
https://zenodo.org/records/15444264/files/grimmvsopc2.tsv
https://zenodo.org/records/15444264/files/input1.tsv
https://zenodo.org/records/15444264/files/input2.tsv
https://zenodo.org/records/15444264/files/input3.tsv
https://zenodo.org/records/15444264/files/opc_n2_2.tsv
https://zenodo.org/records/15444264/files/outlier_removal.tsv

Select **"Paste/Fetch data"** and copy-paste all the links into the input box. Click **"Auto-detect"**, then either manually enter **"tabular"** as the data type or select it from the drop-down menu, and click **"Start."**

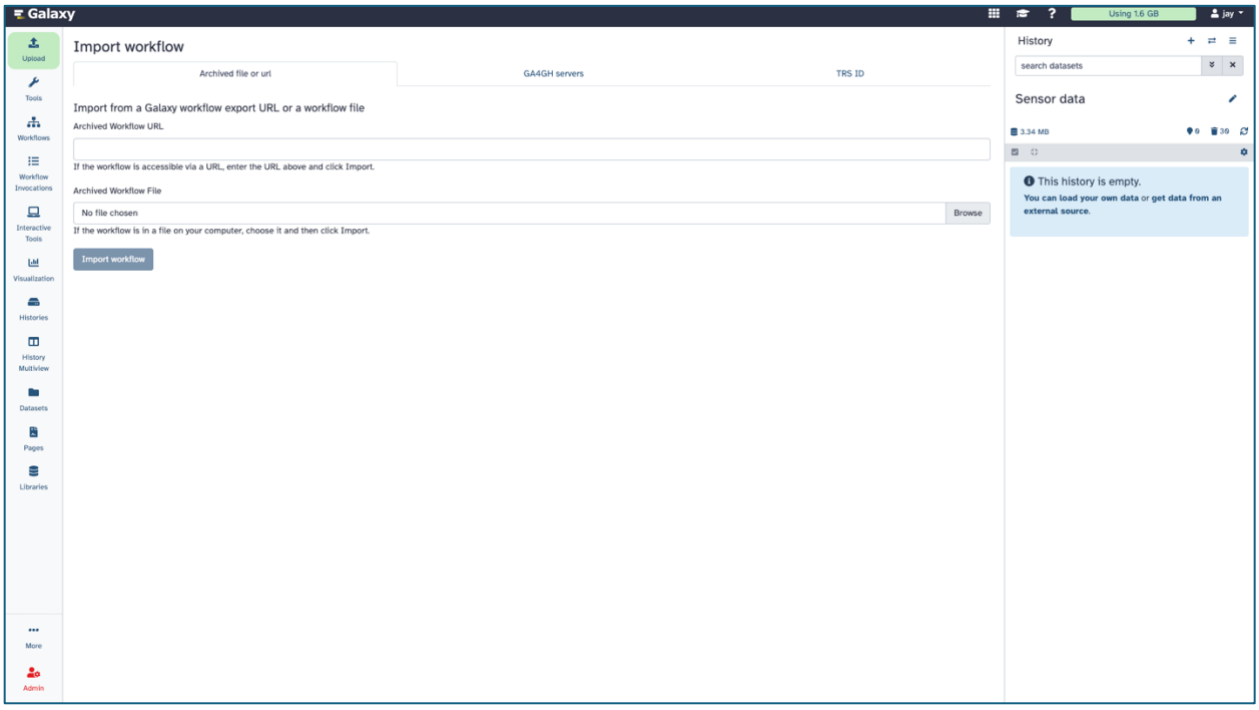


The data will be downloaded in the right-side **history panel**.

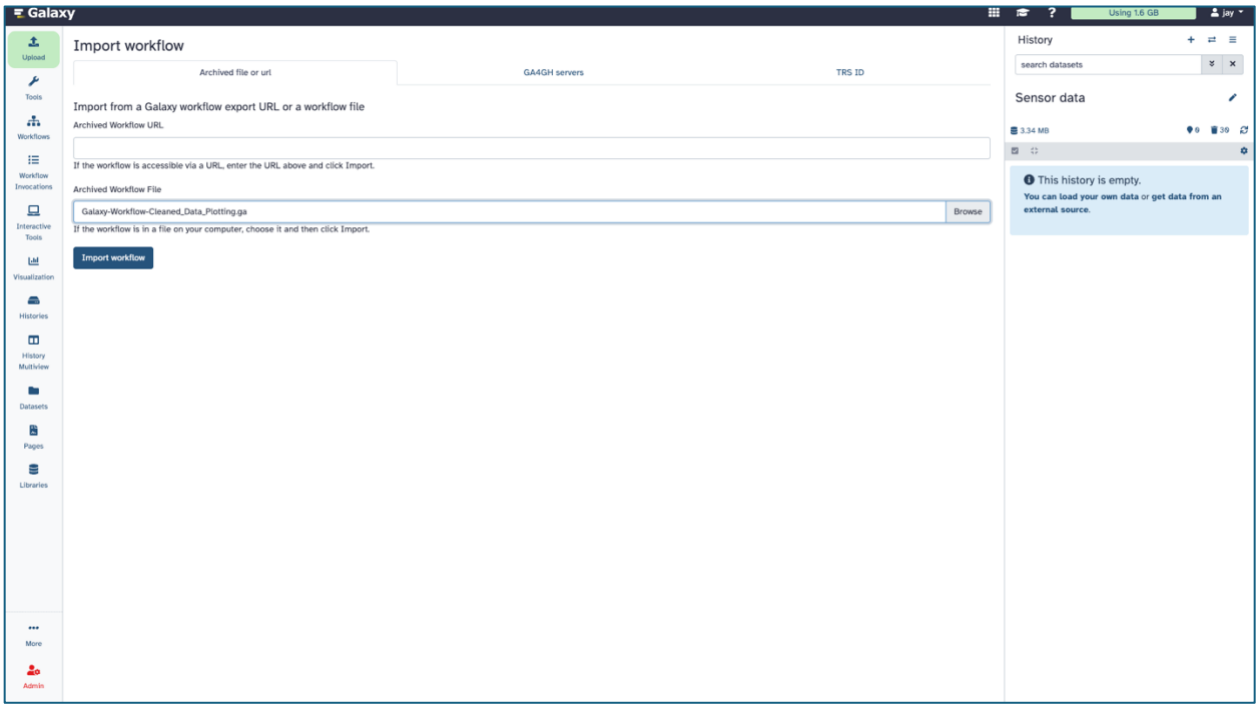


Step 2: Workflow execution

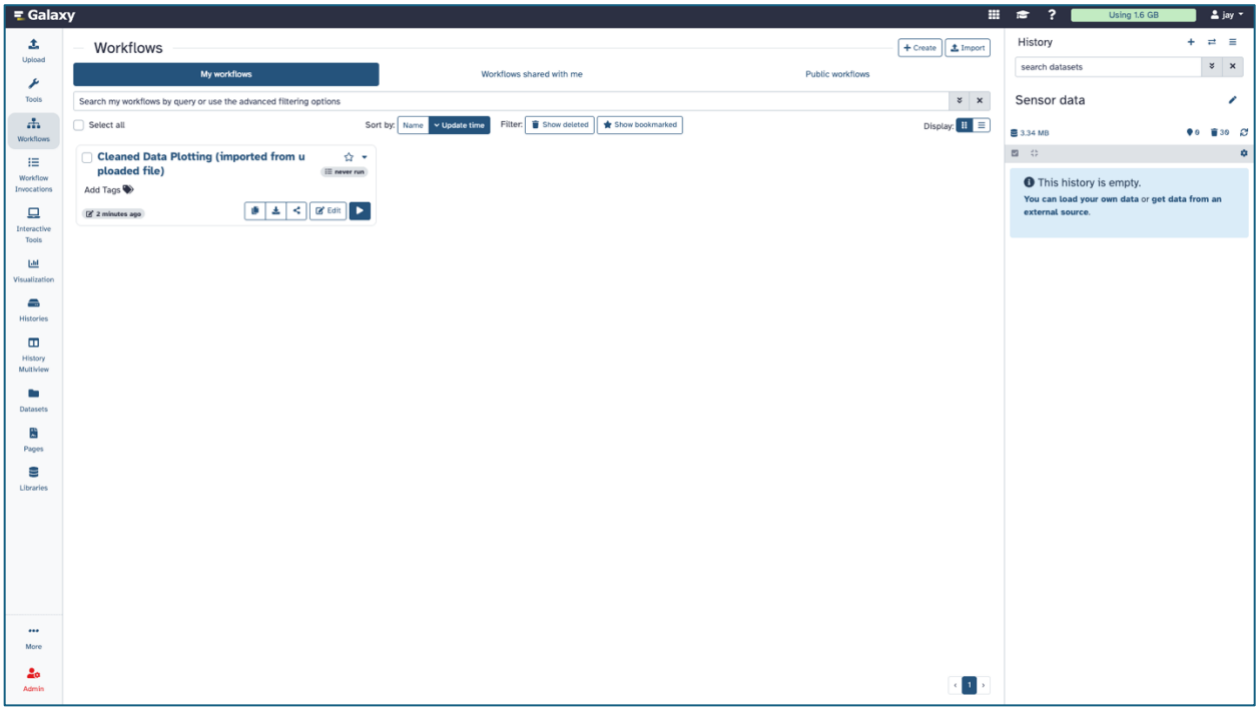
2.1 Select the **workflow** icon from the left-hand menu



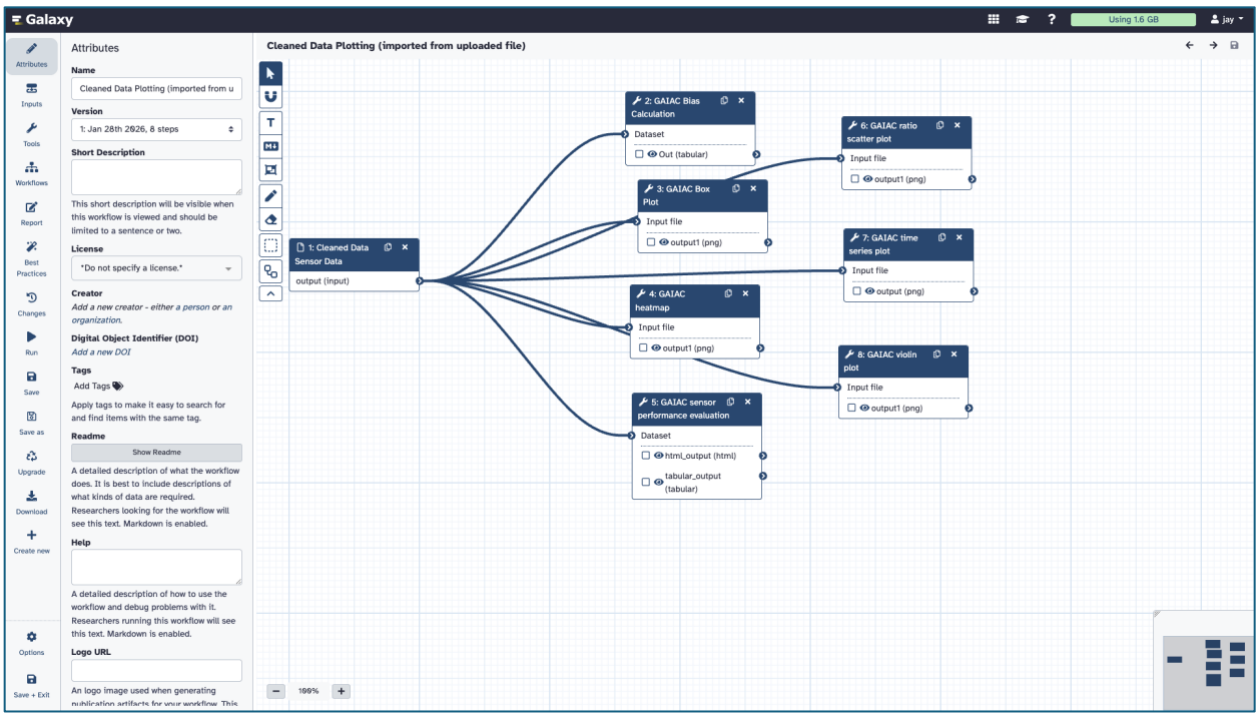
2.2 Browse for the workflow file (e.g., “Galaxy-Workflow-Cleaned_Data_Plotting.ga”), then click **Import workflow**.



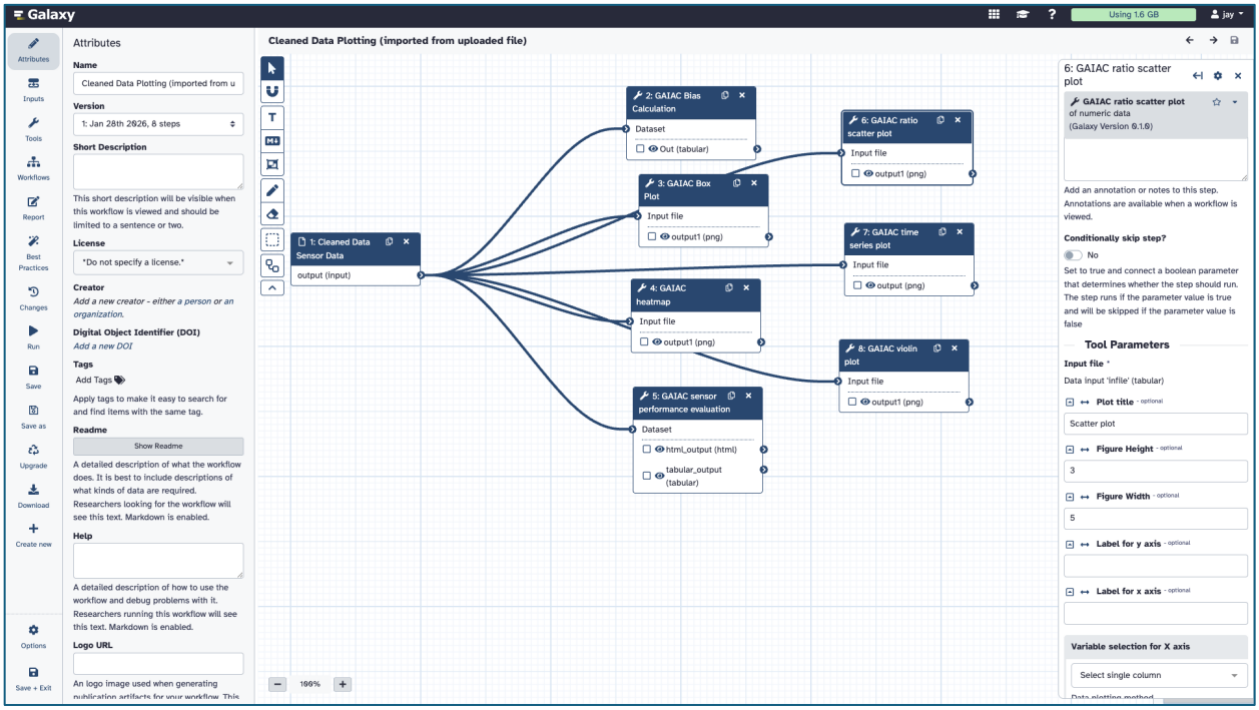
2.3 From the list, for desired workflow, click on the **Edit** icon



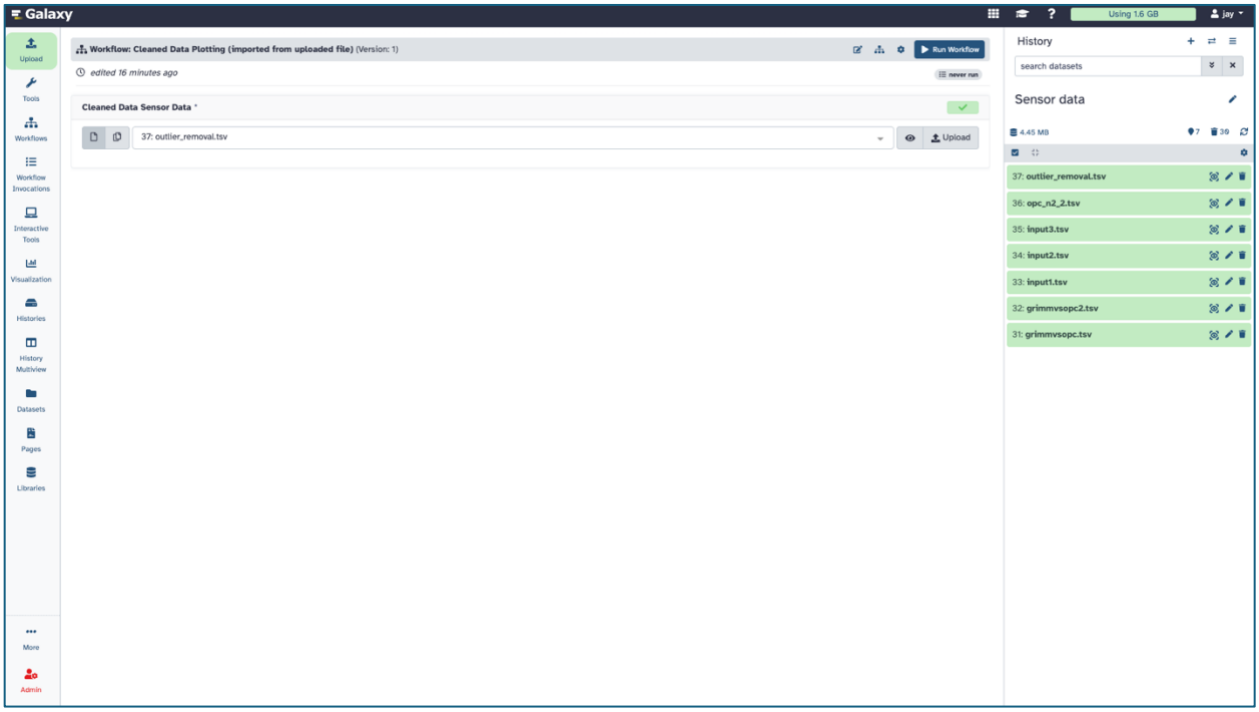
2.4 The workflow editor allows you to edit the workflow.



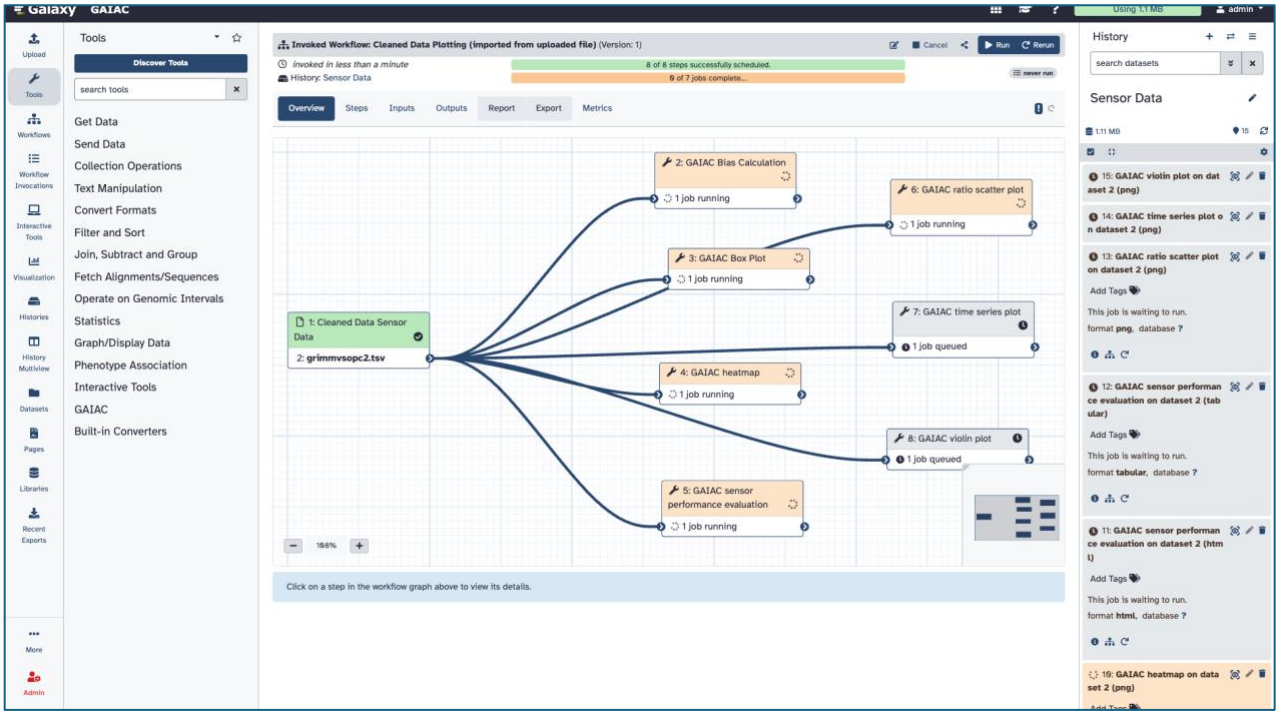
2.5 Tool parameters can be configured from the right-side panel by selecting a tool from workflow editor. Once ready, click the **Run** button from the left-hand toolbar



2.6 Select the input data, then click **Run workflow**.



2.7 This will execute the job, and the result will be available in the History pane



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