| **Step #** | **Step Summary** | **Action** | **Expected Result** |
| --- | --- | --- | --- |
|  | Open GUI | Double-click cate-desktop shortcut on Windows Desktop | The GUI opens |
|  | Download some CCI Cloud data | Select data store: ESA CCI Open Data Portal  Highlight data source: **esacci.CLOUD.mon.L3C.CLD\_PRODUCTS.multi-sensor.multi-platform.ATSR2-AATSR.2-0.r1**  Click on “Download and/or open remote dataset”  In “Download Data Source” window:   * Select Time Constraint and select start time of **2007-01-01** and end time of **2007-03-31** * Leave the Region constraint and the Variables constraint unselected. * Select “Download and make local data source” * Set the default unique ID to **CLOUD\_2007** * Click on “Download & Open Local” | A new task is displayed in Tasks list “Opening dataset…”  When task is complete, in Local Data Sources, a local dataset is created called :  local.CLOUD\_2007  In Workspace panel, a new resource is created called ds\_1 (type Dataset)  The cloud dataset is displayed on the World view |
|  | Download some CCI Ozone data | Select data store: ESA CCI Open Data Portal  Highlight data source: **esacci.OZONE.mon.L3.NP.multi-sensor.multi-platform.MERGED.fv0002.r1**  Click on “Download and/or open remote dataset”  In “Download Data Source” window:   * Select Time Constraint and select start time of **2007-01-01** and end time of **2007-03-31** * Leave the Region constraint and the Variables constraint unselected. * Select “Download and make local data source” * Set the default unique ID to **OZONE\_2007** * Click on “Download & Open Local” | A new task is displayed in Tasks list “Opening dataset…”  When task is complete, in Local Data Sources, a local dataset is created called :  local.OZONE\_2007  In Workspace panel, a new resource is created called ds\_2 (type Dataset)  The ozone dataset is displayed on the World view |
|  | Rename the Cloud dataset resource | In Workspace panel, highlight the resource **ds\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **cloud**  Leave “Persist resulting resource” unchecked  Click OK | The resource name is now displayed as cloud |
|  | Rename the Ozone dataset resource | Highlight the resource **ds\_2 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **ozone**  Leave “Persist resulting resource” unchecked  Click OK | The resource name is now displayed as ozone |
|  | Select the desired ECV from the Cloud dataset | If operations panel not already open, click on **fx** to display operations panel  Select **select\_var** from the list of operations  Click on “Add Step”  In the “New Operation Step” window:   * Select resource **cloud** * Select variable name **cfc** from the list and click “OK” * Click “Add Step ”   Highlight the resource **res\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **cloud\_cfc**  Leave “Persist resulting resource” unchecked  Click OK | A new resource is created called cloud\_cfc (type Dataset) |
|  | Select the desired ECV from the Ozone dataset | Select **select\_var** from the list of operations  Click on Add Step  In the “New Operation Step” window:   * Select resource **ozone** * Select variable name: **O3\_du\_tot** from the list and click “OK” * Click “Add Step ”   Highlight the resource **res\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **ozone\_tot**  Leave “Persist resulting resource” unchecked  Click OK | A new resource is created called ozone\_tot (type Dataset) |
|  | Coregister "ozone\_tot" with "cloud\_cfc" and call the result “ozone\_coreg” | Select **coregister** from the list of operations  Click on Add Step  In the “New Operation Step” window:   * For **ds\_master**, select resource **cloud\_cfc** * For **ds\_slave**, select resource **ozone\_tot** * Leave method\_us as default value * Leave method\_ds as default value * Click “Add Step ”   Highlight the resource **res\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **ozone\_coreg**  Leave “Persist resulting resource” unchecked  Click OK | A new resource is created called ozone\_coreg (type Dataset) |
|  | Create subset of the "cloud\_cfc" resource and assign it to new resource named “cloud\_sub” | Select **subset\_spatial** from the list of operations  Click on Add Step  In the “New Operation Step” window:   * Select resource: **cloud\_cfc** * For region, enter: **0,30,10,40** * Leave Mask as default value * Click “Add Step ”   Highlight the resource **res\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **cloud\_sub**  Leave “Persist resulting resource” unchecked  Click OK | A new resource is created called cloud\_sub (type Dataset) |
|  | Create subset of the "ozone\_coreg" resource and assign it to new resource named “ozone\_sub” | Select **subset\_spatial** from the list of operations  Click on Add Step  In the “New Operation Step” window:   * Select resource: **ozone\_coreg** * For region, enter: **0,30,10,40** * Leave Mask as default value * Click “Add Step ”   Highlight the resource **res\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **ozone\_sub**  Leave “Persist resulting resource” unchecked  Click OK | A new resource is created called ozone\_sub (type Dataset) |
|  | Produce a correlation map | Select **pearson\_correlation** from the list of operations  Click on Add Step  In the “New Operation Step” window:   * For **ds\_x**, select resource **ozone\_sub** * For **ds\_y**, select resource **cloud\_sub** * For **var\_x**, select **O3\_du\_tot** * For **var\_y**, select **cfc** * Click “Add Step ”   Highlight the resource **res\_1 Dataset**  Click on “Resource / Step Properties” button  Enter the new resource name as **corr**  Leave “Persist resulting resource” unchecked  Click OK | A new resource is created called corr (type Dataset) |