Hitchhiker's Guide to the Herschel Science Archive
Suggested Exercises for Monday October 6th – HIPE and HSA

1. Install HIPE and check your configuration.

2. Apply patch for SPIA (SPIRE Interactive Analysis) by following instructions at
   https://nhscsci.ipac.caltech.edu/spire/DPsoftware/Hipe12.1_patch/README.txt
   and downloading
   https://nhscsci.ipac.caltech.edu/spire/DPsoftware/Hipe12.1_patch/spire_ia_tools_13.23.17.jar .

3. Download one of the (renamed) Herschel archive tarballs from
   https://nhscsci.ipac.caltech.edu/workshop/Workshop_Oct2014/General/data/ ,
   unpack it, and make it available to HIPE by double-clicking on the Saturn icon.
   The new data is now part of the MyHSA buffer.

4. Choose an interesting observation from the Observing Log at Vizier. Launch the HSA
   User Interface, locate the same observation, and download Standalone Browse
   Products. Send the same observation from the HUI to HIPE for browsing.

5. Choose an interesting UPDP from http://irsa.ipac.caltech.edu/Missions/herschel.html
   or from the HUI and inspect the contents.

6. Browse the Web Interface Publication List from
   http://www.cosmos.esa.int/web/herschel/scientific-publications

7. Find a worked example in sections 3.30 to 3.39 of the *Data Analysis Guide*, such as
   http://herschel.esac.esa.int/hcss-doc-12.0/load/dag/html/Dag.Sec.SpectrumPlotExample.html, copy and paste the
   example code into your HIPE session, and execute the script.