2023 Sagan Summer Workshop

Characterizing Exoplanet Atmospheres: The Next Twenty Years

Solution Notebooks

[NOTE: the notebook links have been updated to their permanent archive location. In the notebooks change references from https://catcopy.ipac.caltech.edu/ssw to https://catcopy.ipac.caltech.ed/ssw2023]

Tar format: https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_notebooks_answers.tar.gz
Zip format: https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_notebooks_answers.zip

Hands-on Session I: Reducing JWST Data: from raw data to light curves

SSW2023_Workshop1_MIRI_Solutions.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_Workshop1_MIRI_Solutions.ipynb

SSW2023_Workshop1_NIRSpec_Solutons.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_Workshop1_NIRSpec_Solutions.ipynb

Hands-on Session II: Fitting JWST Data: from light curves to planet spectra

SSW2023_Workshop2_MIRI_Solutions.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_Workshop2_MIRI_Solutions.ipynb

SSW2023_Workshop2_NIRSpec_Solutons.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_Workshop2_NIRSpec_Solutions.ipynb

Hands-on Session III: Forward Modeling with PICASO

SW2023_Forward_Model_Picaso_answers.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_Forward_Model_Picaso_answers.ipynb

Hands-on Session IV: Retrievals using petitRADTRANS

SSW2023_petitRADTRANS_intro_exercises_solved.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_petitRADTRANS_intro_exercises_solved.ipynb

SSW2023_petitRADTRANS_retrieval_exercises_solved.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_petitRADTRANS_retrieval_exercises_solved.ipynb

SSW2023_Group_Project_Retrieval_solved.ipynb
https://catcopy.ipac.caltech.edu/ssw2023/hands-on/SSW2023_Group_Project_Retrieval_solved.ipynb