TANSPEC Spectroscopy Pipeline (XD-mode)

MotherTANSPEC

Data Directory

Create Log of Observations — Step 1

Select frames for reduction — Step 2

Visual Inspection of Science Frames — Step 3

Visual Inspection of Lamp Frames — Step 4

Identify dither frames
Combine single dither frames
Apply Flat correction
Remove Cosmic ray — Step 5

Subtract dither pairs — Step 6

Trace and extract 1D science spectra
Extract 1D lamp spectra
Wavelength calibration
Combine spectra (optional)
Save final spectra
Plot and Save each order (optional) — Step 7