

OVERVIEW – IMAGE MATERIAL

This folder contains all tables and plots associated with the thesis, including those used in the thesis. Below is a summary of the contents:

Plots used in the thesis:

- xx_IMAGES_IN_THESIS

Final images and CIV results:

- 03_cropped_images
- 16_histo_matched_images
- 18_histo_equal_images
- 20_adapt_histo_images
- 22_sigmoid_filter_images

Raw projected images & cropping ranges:

- 00_fits_file_stats
- 01_raw_images
- 02_raw_images_highlighted_area
- 04_cropped_regions_overview

Original cropped images:

- 03_cropped_images
- 05_box_plots
- 06_distribution_histogram_overview
- 07_distribution_histogram_individual
- 08_cdf_overview
- 09_cdf_individual
- 33_image_hist_with_cdf
- 12_threshold
- 13_threshold_individual

Histogram matching:

- 16_histo_matched_images
- 15_box_plot_original_vs_matched
- 17_histo_matched_images_grid
- 24_hist_matched_histograms
- 25_hist_matched_cdf

Histogram equalization:

- 18_histo_equal_images

- 19_histo_equal_images_histogram

Contrast limited adaptive histogram equalization:

- 20_adapt_histo_images
- 21_adapt_histo_histograms

Sigmoid transformation

- 22_sigmoid_filter_images
- 23_sigmoid_filter_histograms
- 27_sigmoid_function_plot

Fourier Transform & High-pass filter:

- 10_fourier_transform
- 11_high_pass
- 34_square_root_images_bandpass_filter

CIV results:

- 28_average_correlation_comparison
- 29_box_plot_comparison
- 30_scatter_errors_comparison
- 31_zonal_mean
- 32_velocity_fields

Image processing techniques – comparison: 26_overview_of_filters

Topography map: mola32.nc

Word count (proof): word_count (word document)