

First step

Add all the pictures together and average them

Second step

Subtract the average from each picture

Third step

do Laplace, Gaussian lowpass filter, Gaussian high-pass filter, histogram equalization and local histogram equalization for subtracted images.

Average image:

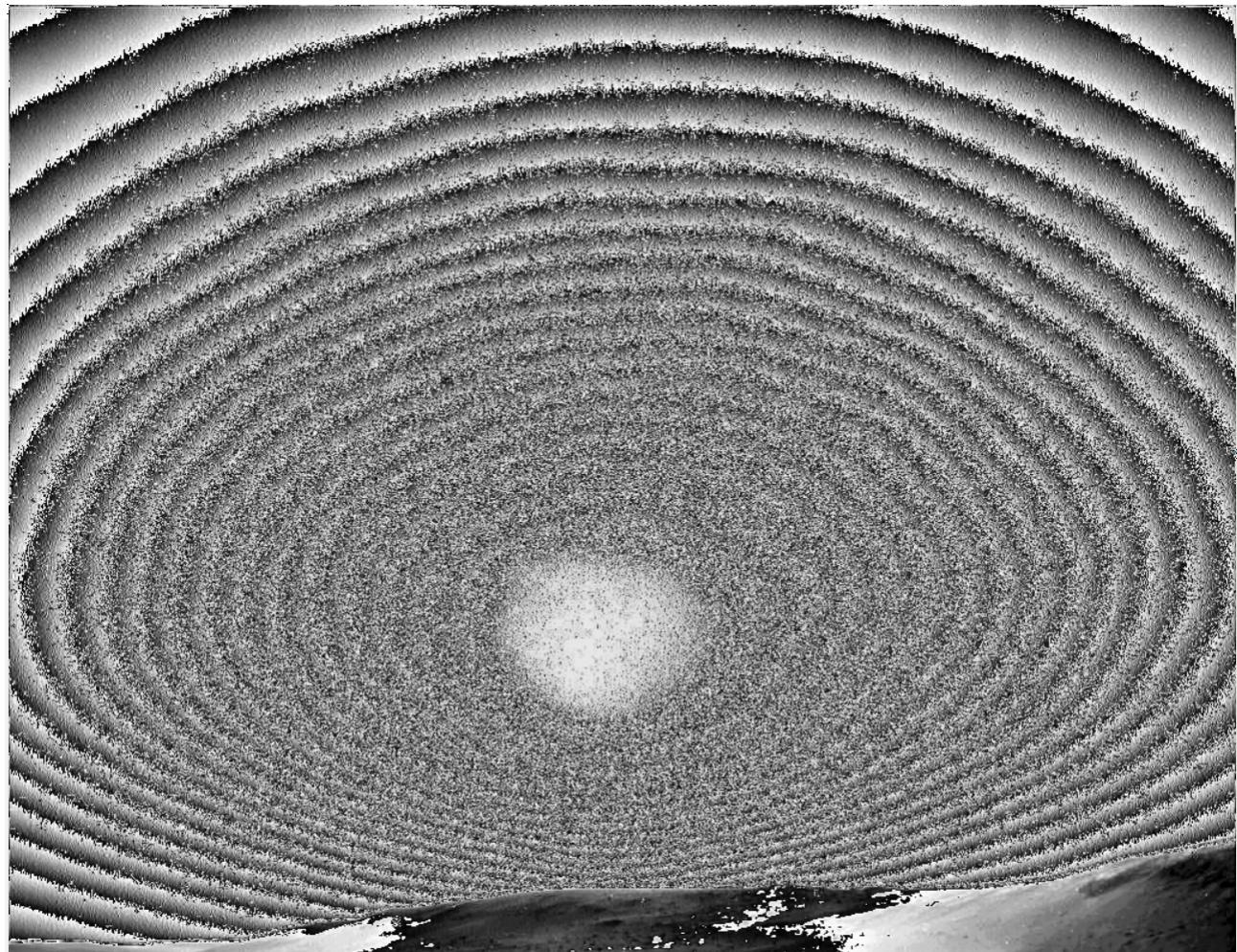


image1:

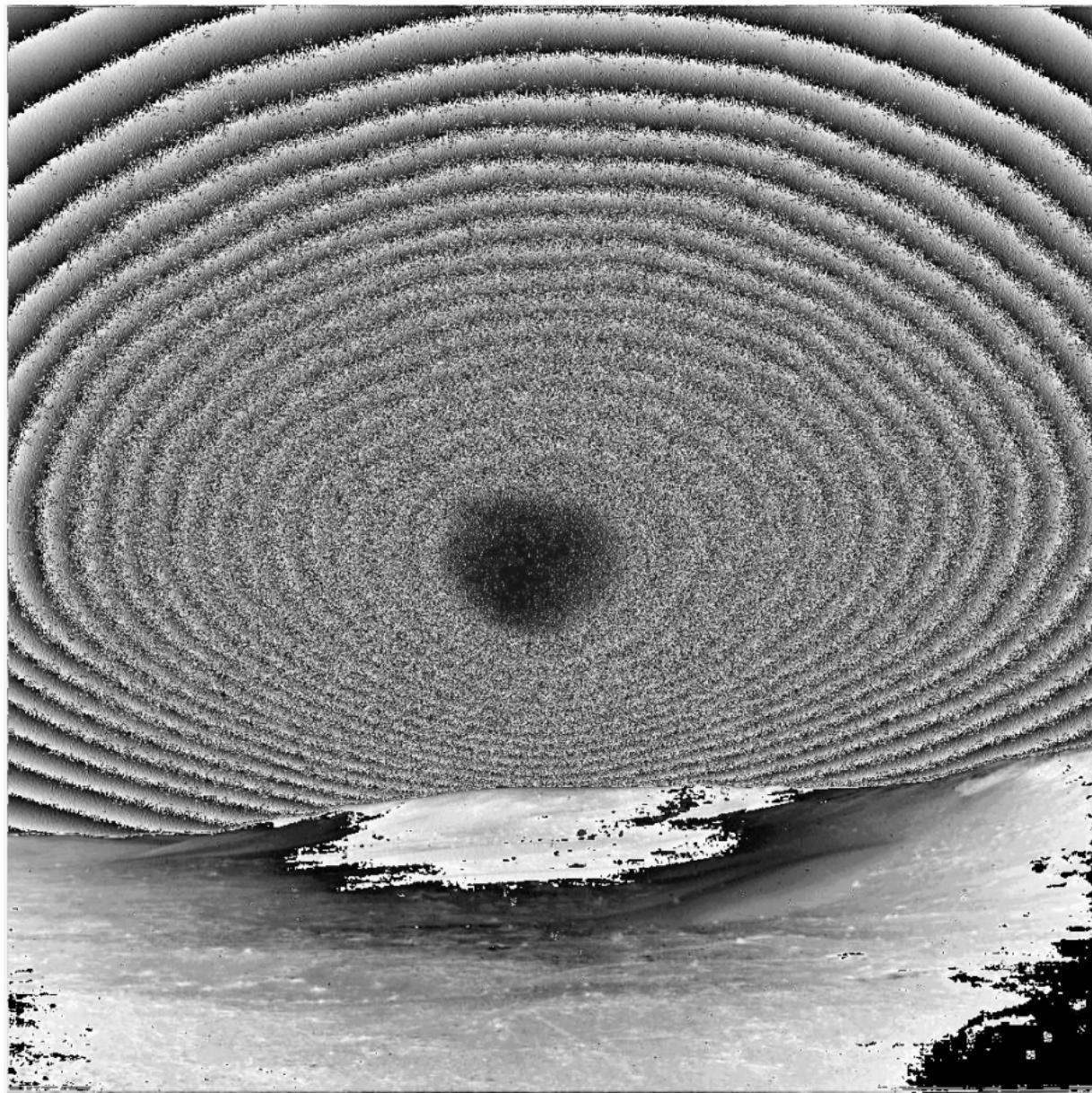


Fig.1 original image subtract average image

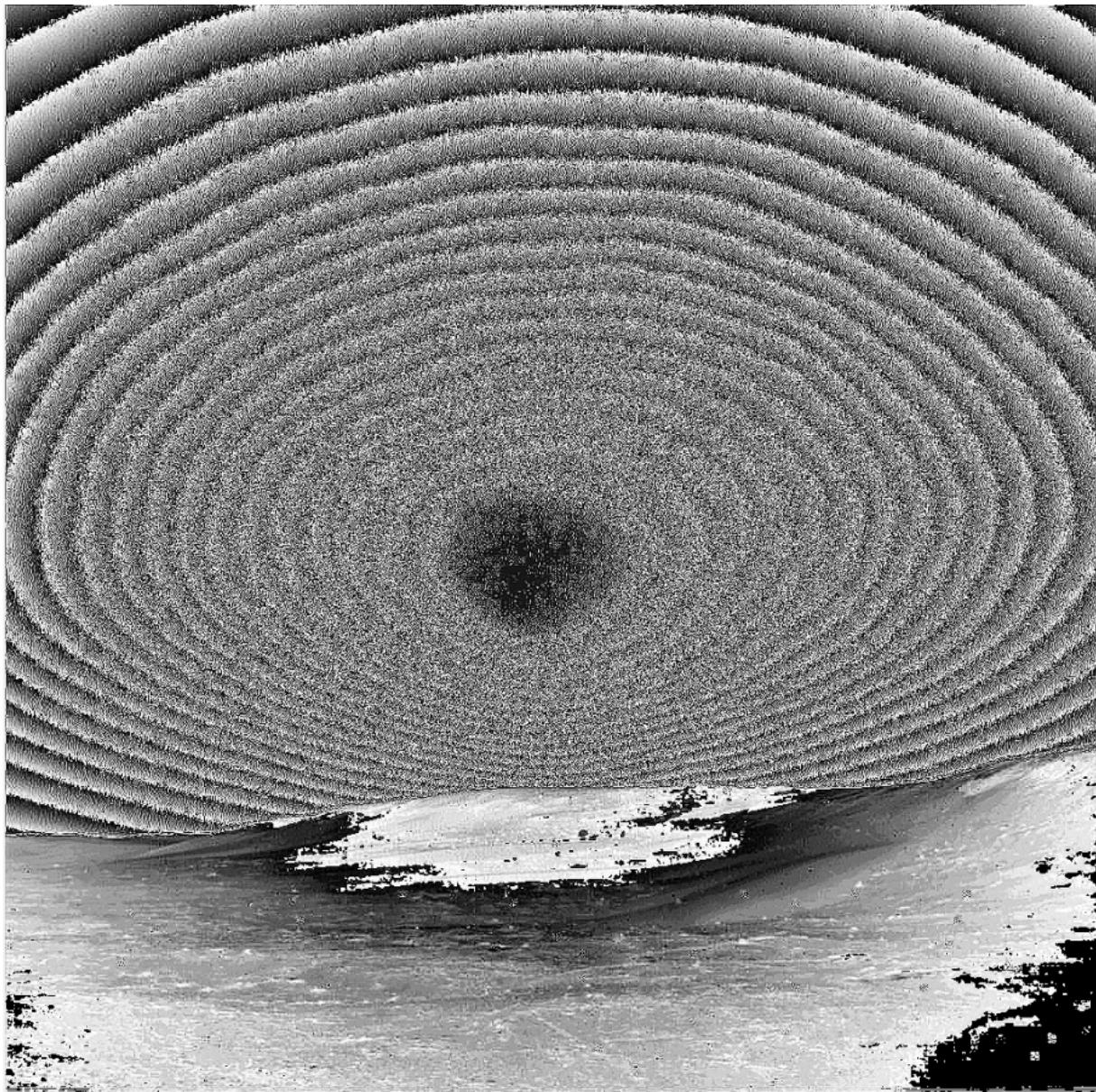


Fig.2 substracted 1 processed by Laplace_operator

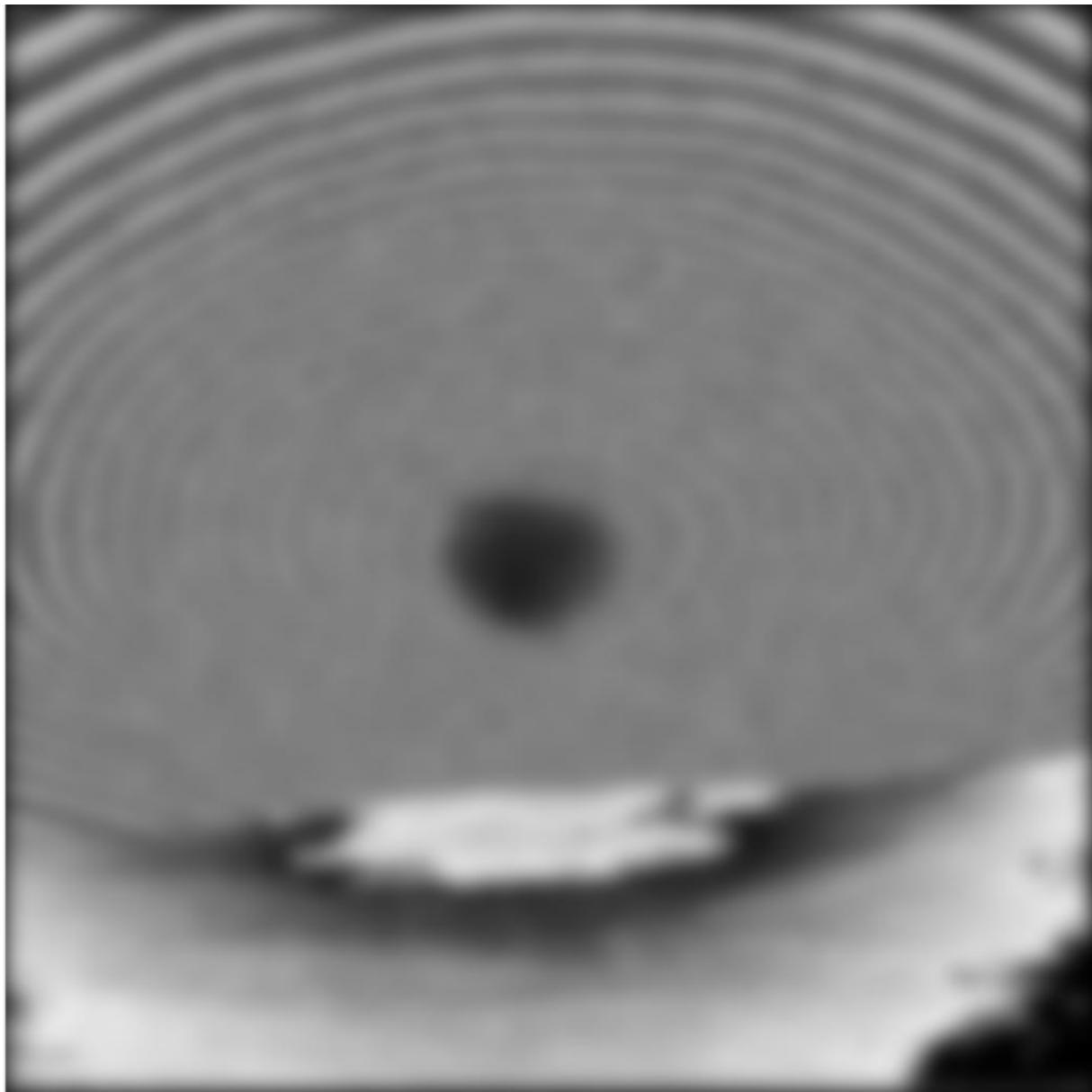


Fig.3 substracted 1 processed processed by Gaussian_lowpass_filter

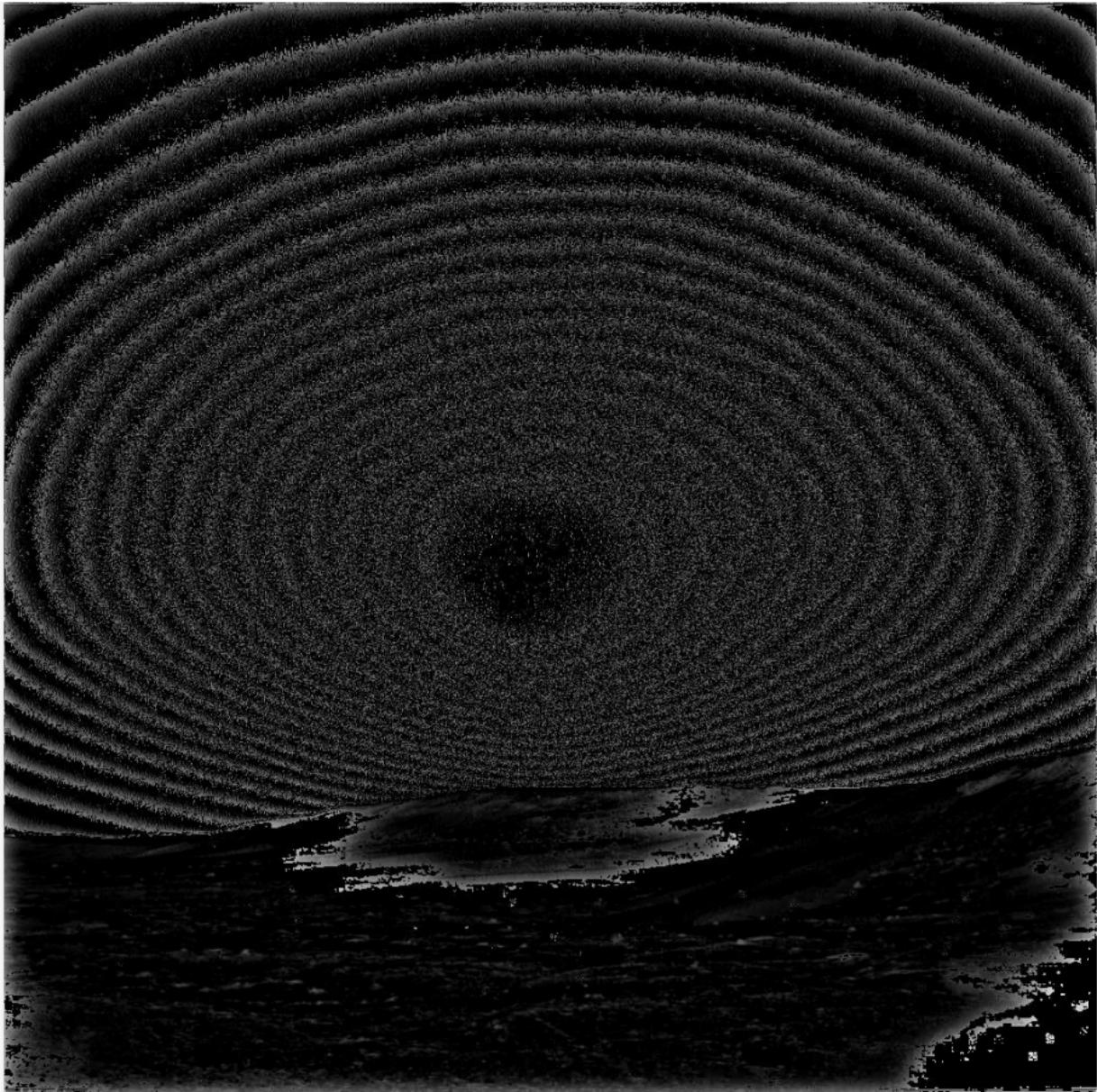


Fig.4 substracted 1 processed processed by Gaussian_highpass_filter

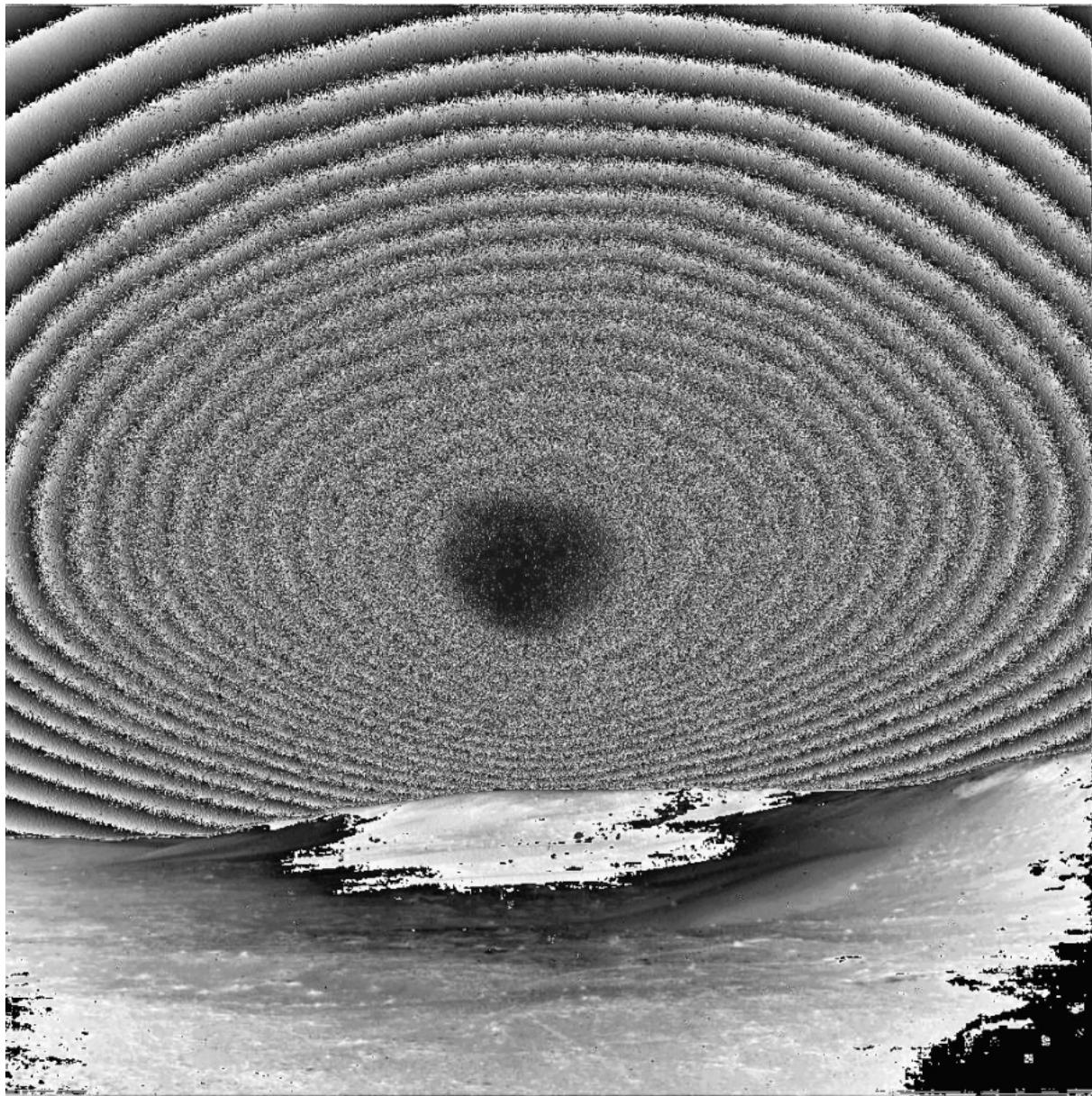


Fig.5 substracted 1 processed processed by histogram equalization

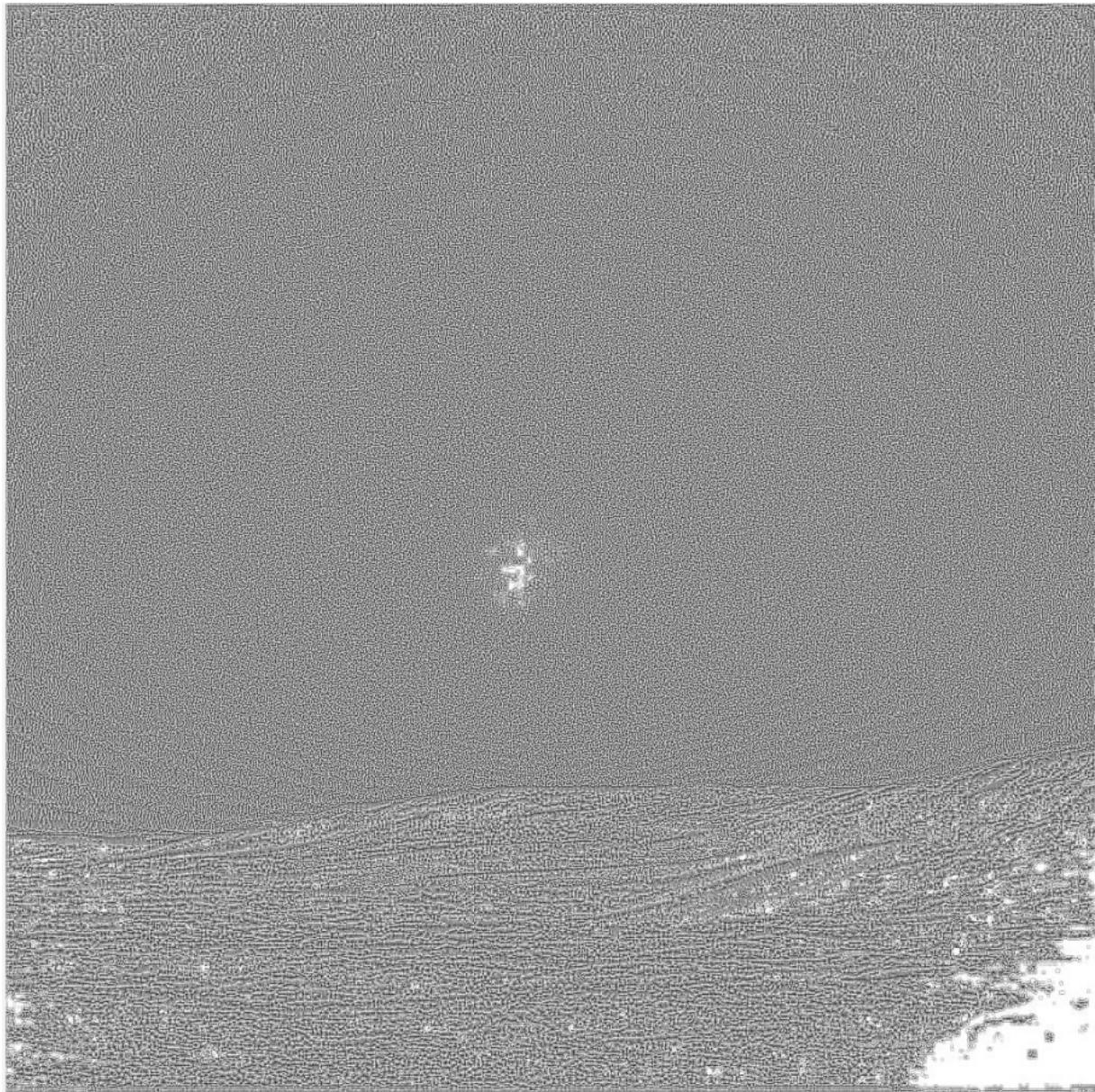


Fig.5 substracted 1 processed processed by local histogram equalization

Other processed images are contained in the zip file. I won't put them in the report.