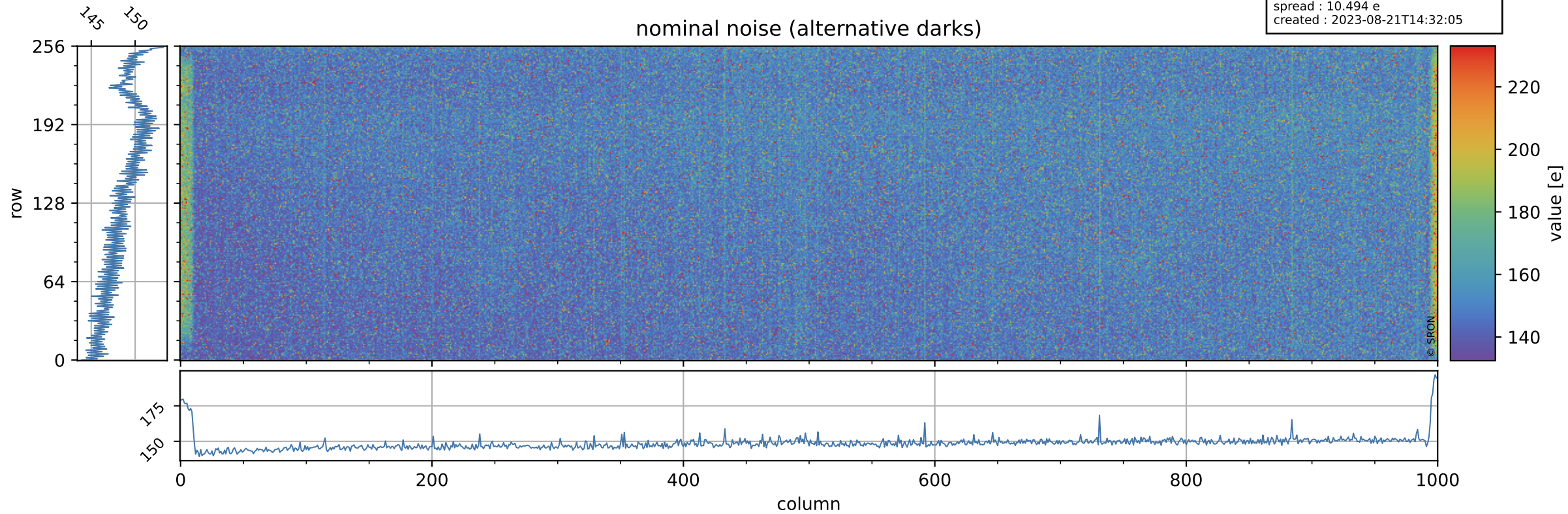


# Tropomi SWIR background noise (swir)

orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
n\_coad, t\_exp : 1, 1.0783  
median : 148.5 e  
spread : 10.494 e  
created : 2023-08-21T14:32:05

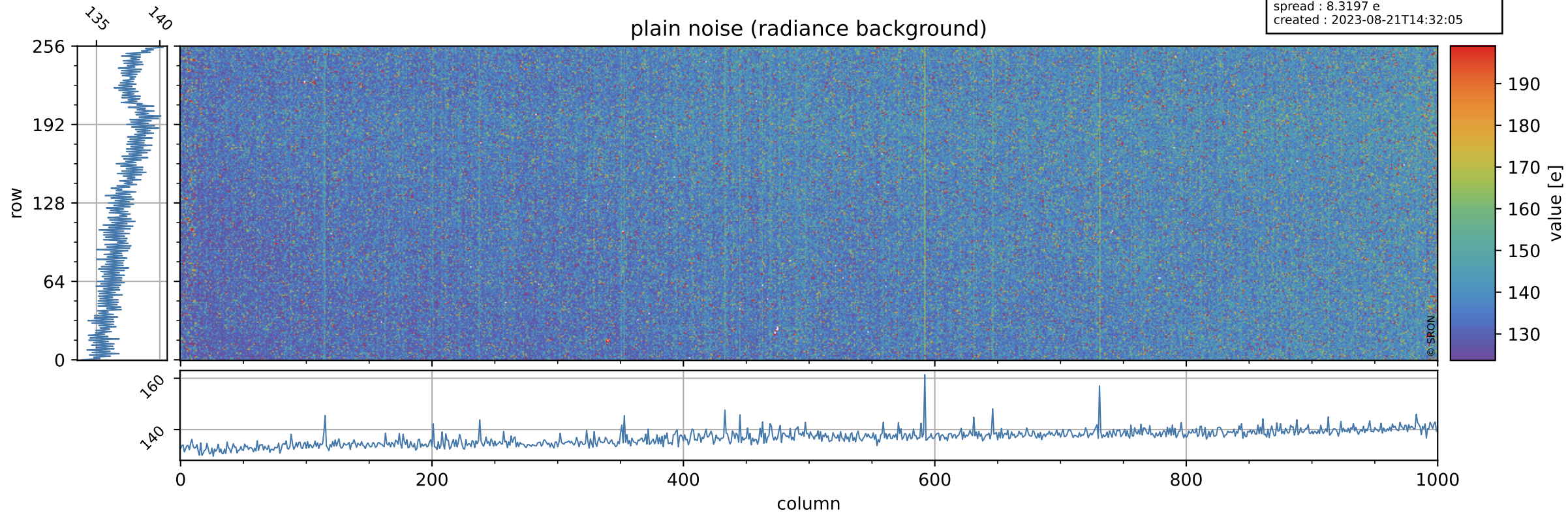
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
n\_coad, t\_exp : 2, 0.5383  
median : 137.04 e  
spread : 8.3197 e  
created : 2023-08-21T14:32:05

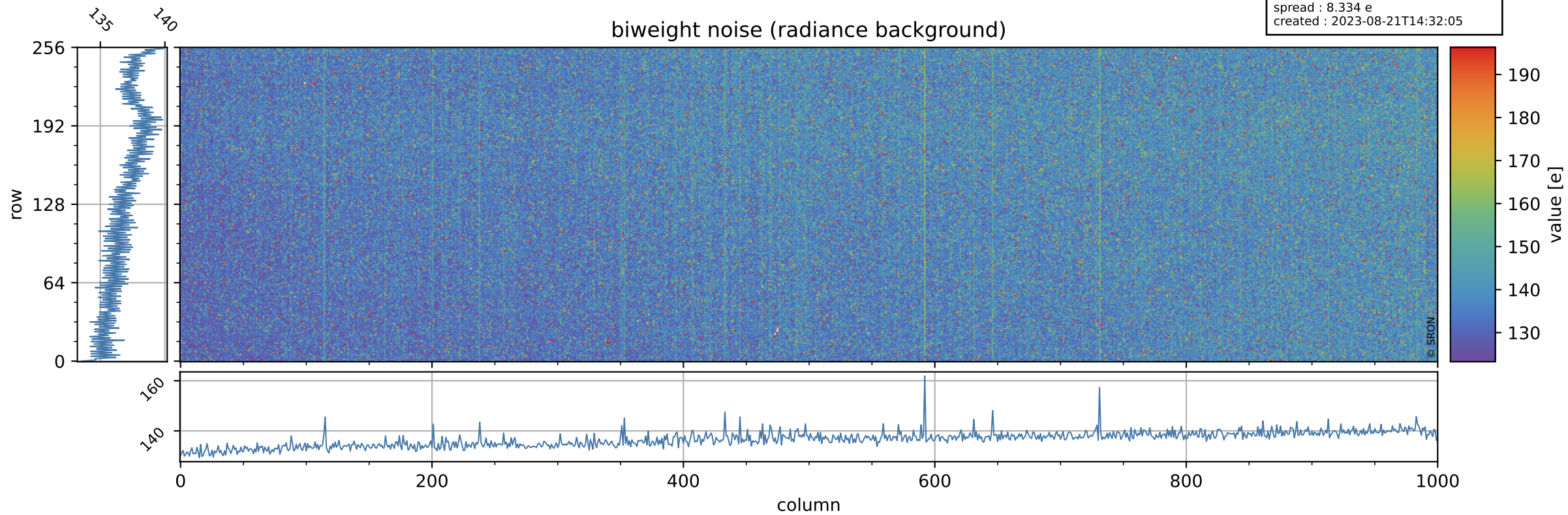
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
n\_coad, t\_exp : 2, 0.5383  
median : 136.83 e  
spread : 8.334 e  
created : 2023-08-21T14:32:05

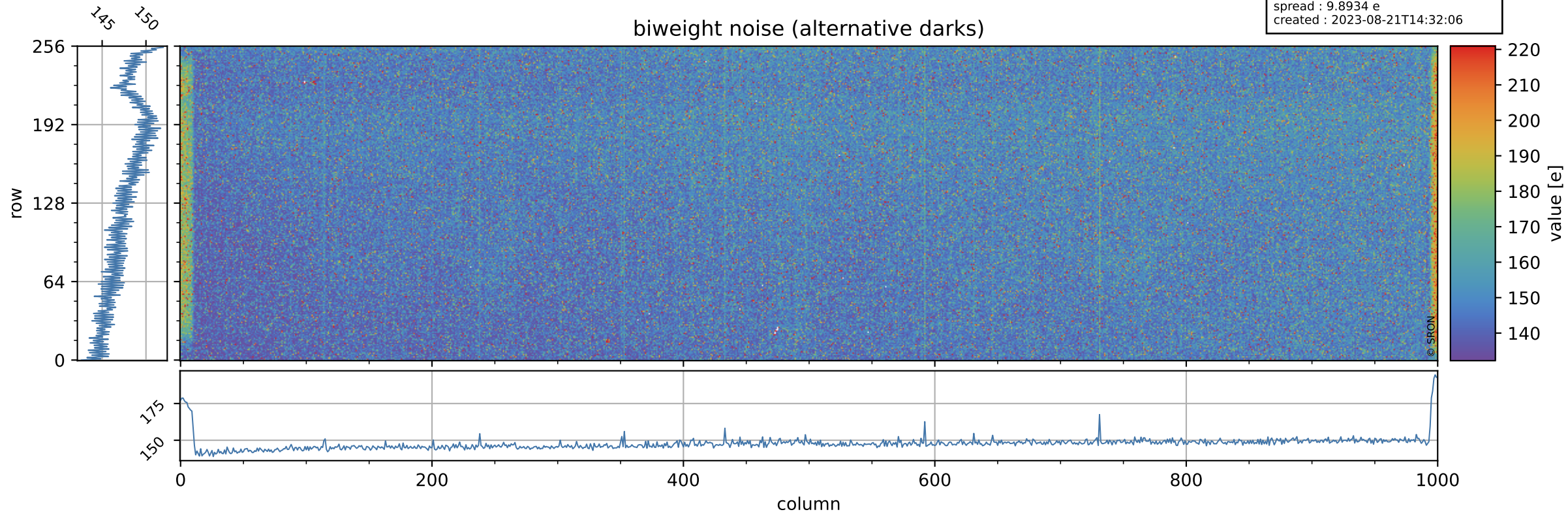
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
n\_coad, t\_exp : 1, 1.0783  
median : 147.5 e  
spread : 9.8934 e  
created : 2023-08-21T14:32:06

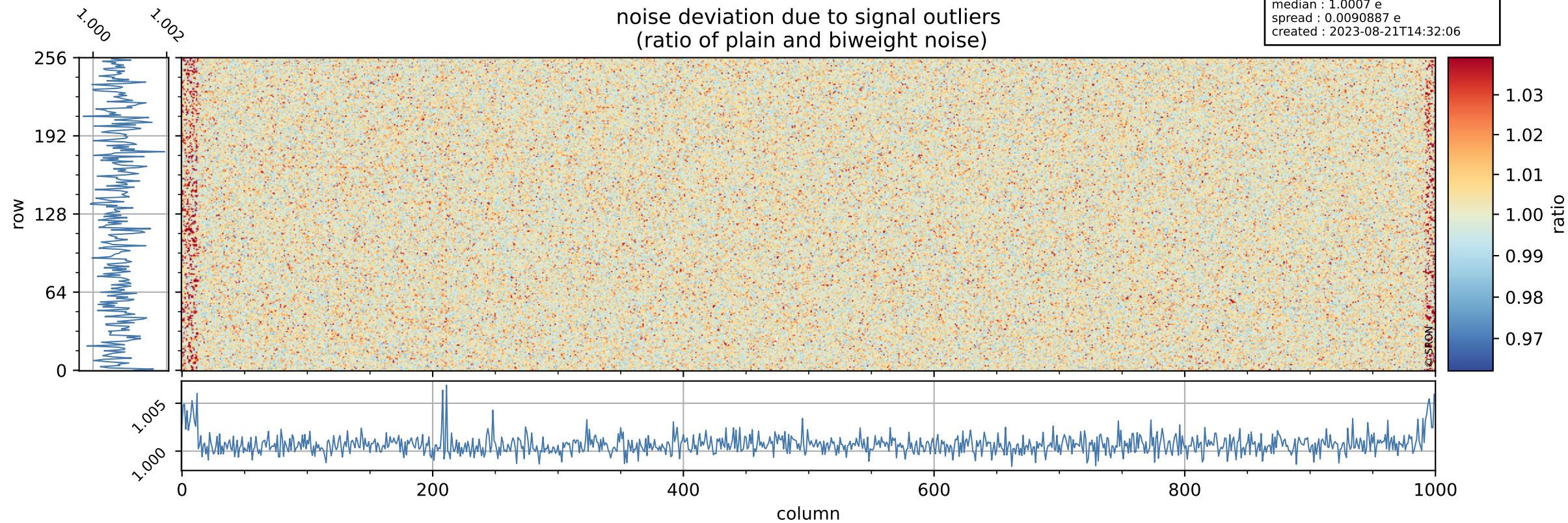
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

noise deviation due to signal outliers  
(ratio of plain and biweight noise)

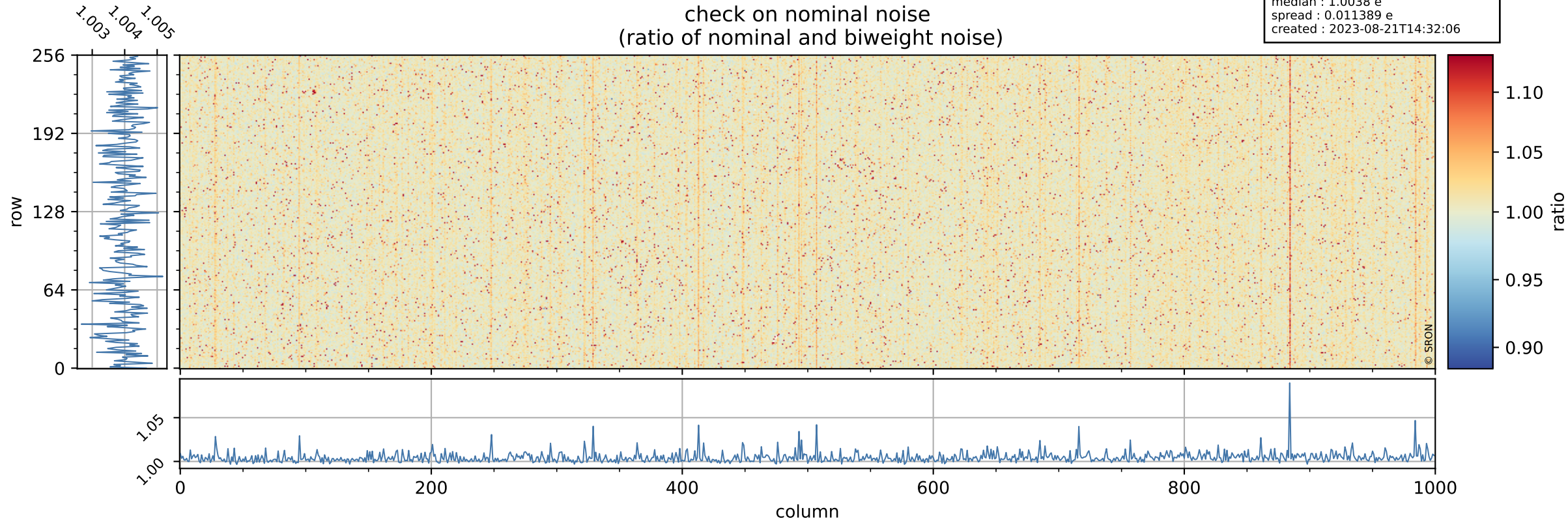
orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
median : 1.0007 e  
spread : 0.0090887 e  
created : 2023-08-21T14:32:06



# Tropomi SWIR background noise (swir)

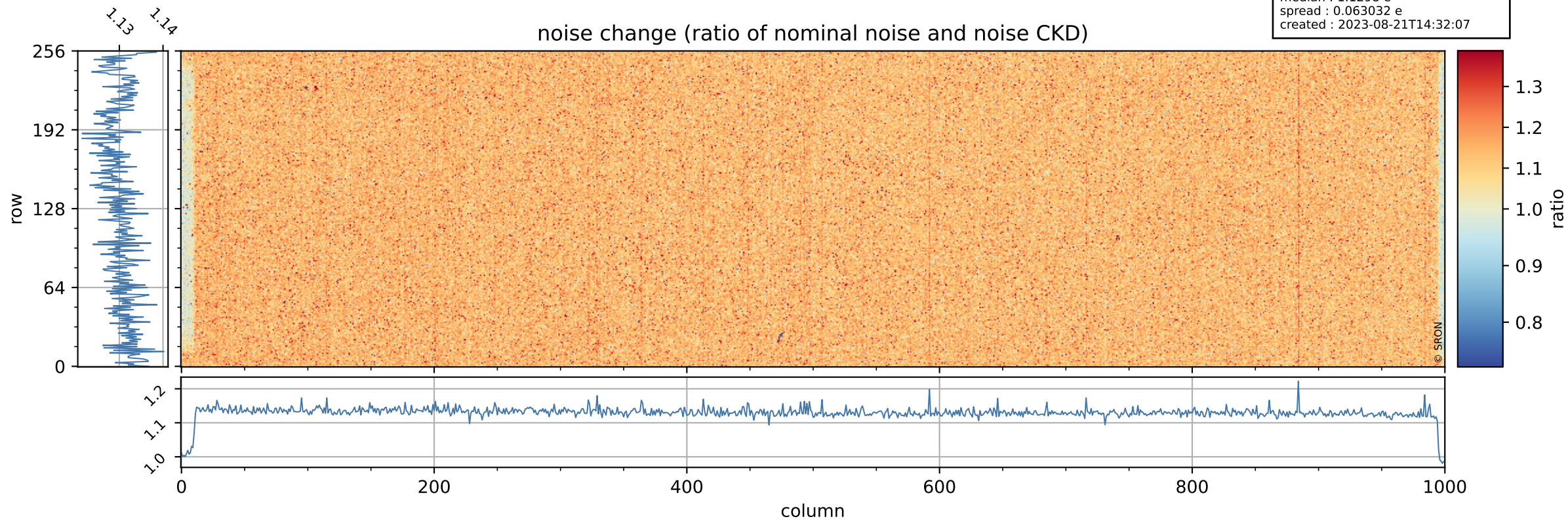
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
median : 1.0038 e  
spread : 0.011389 e  
created : 2023-08-21T14:32:06



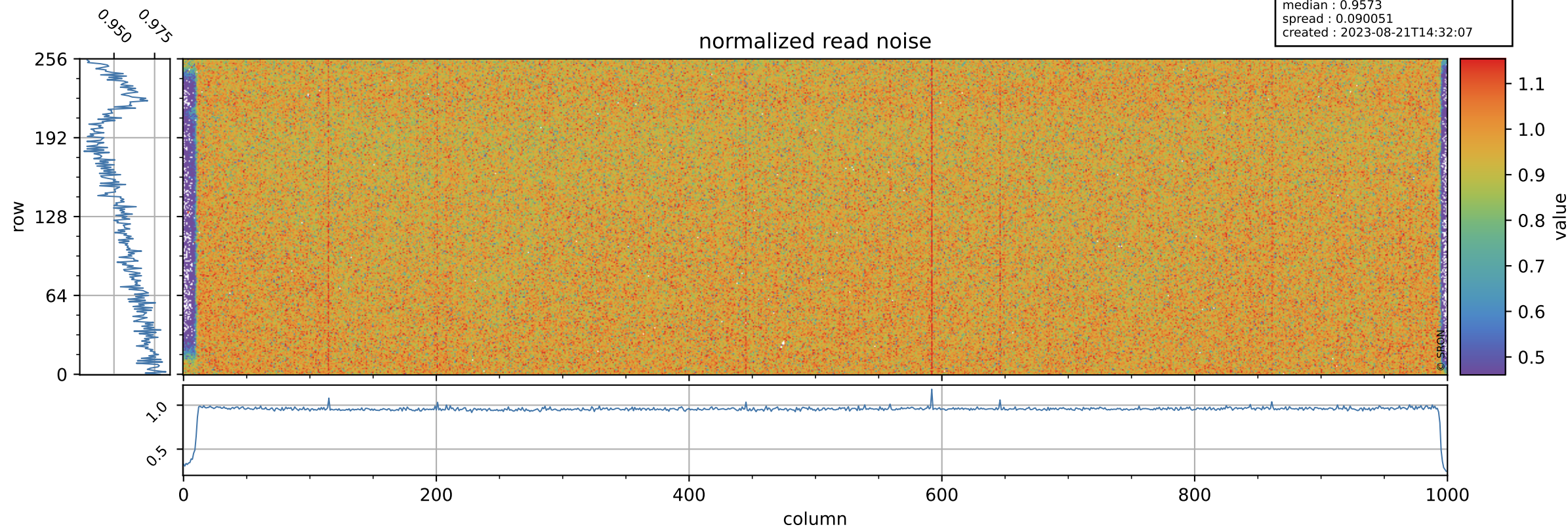
# Tropomi SWIR background noise (swir)

orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
median : 1.1298 e  
spread : 0.063032 e  
created : 2023-08-21T14:32:07



# Tropomi SWIR background noise (swir)

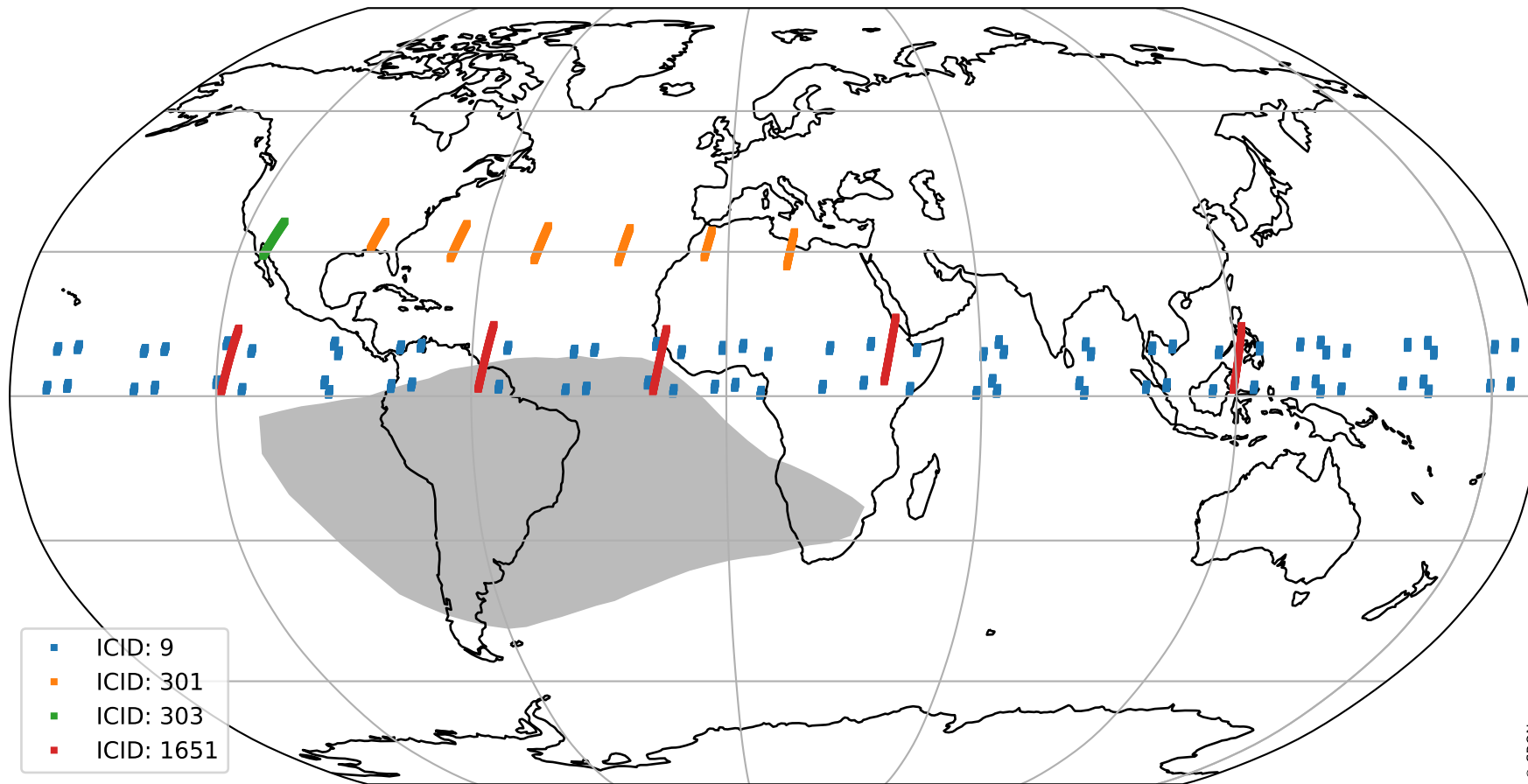
orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
median : 0.9573  
spread : 0.090051  
created : 2023-08-21T14:32:07





# Tropomi SWIR background noise (swir) ground-tracks of Sentinel-5P

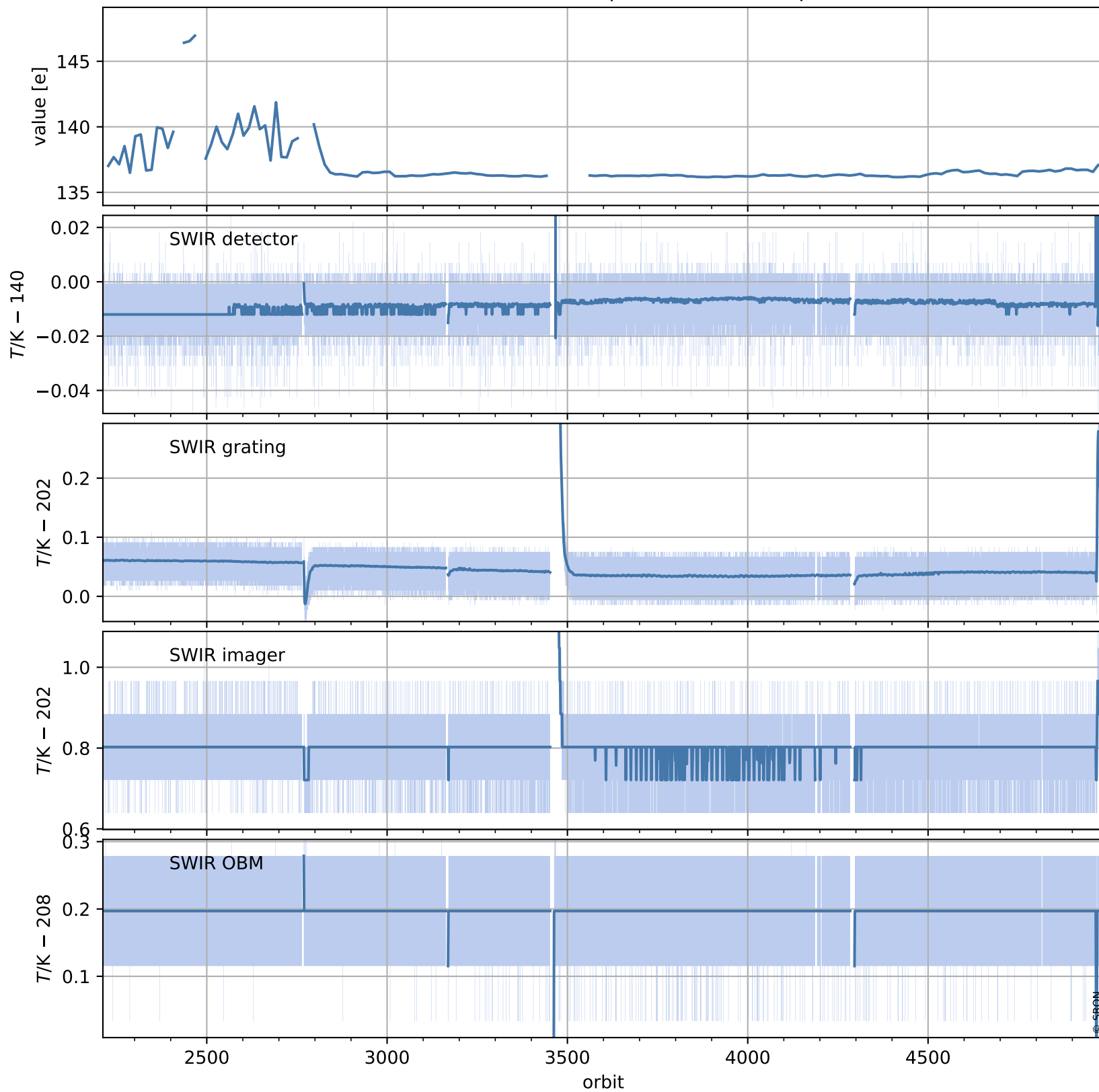
orbits : 12 in [4897, 4987]  
coverage : 2018-09-23 / 2018-09-29  
created : 2023-08-21T14:32:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 4987]  
coverage : 2018-03-18 / 2018-09-29  
created : 2023-08-21T14:32:08

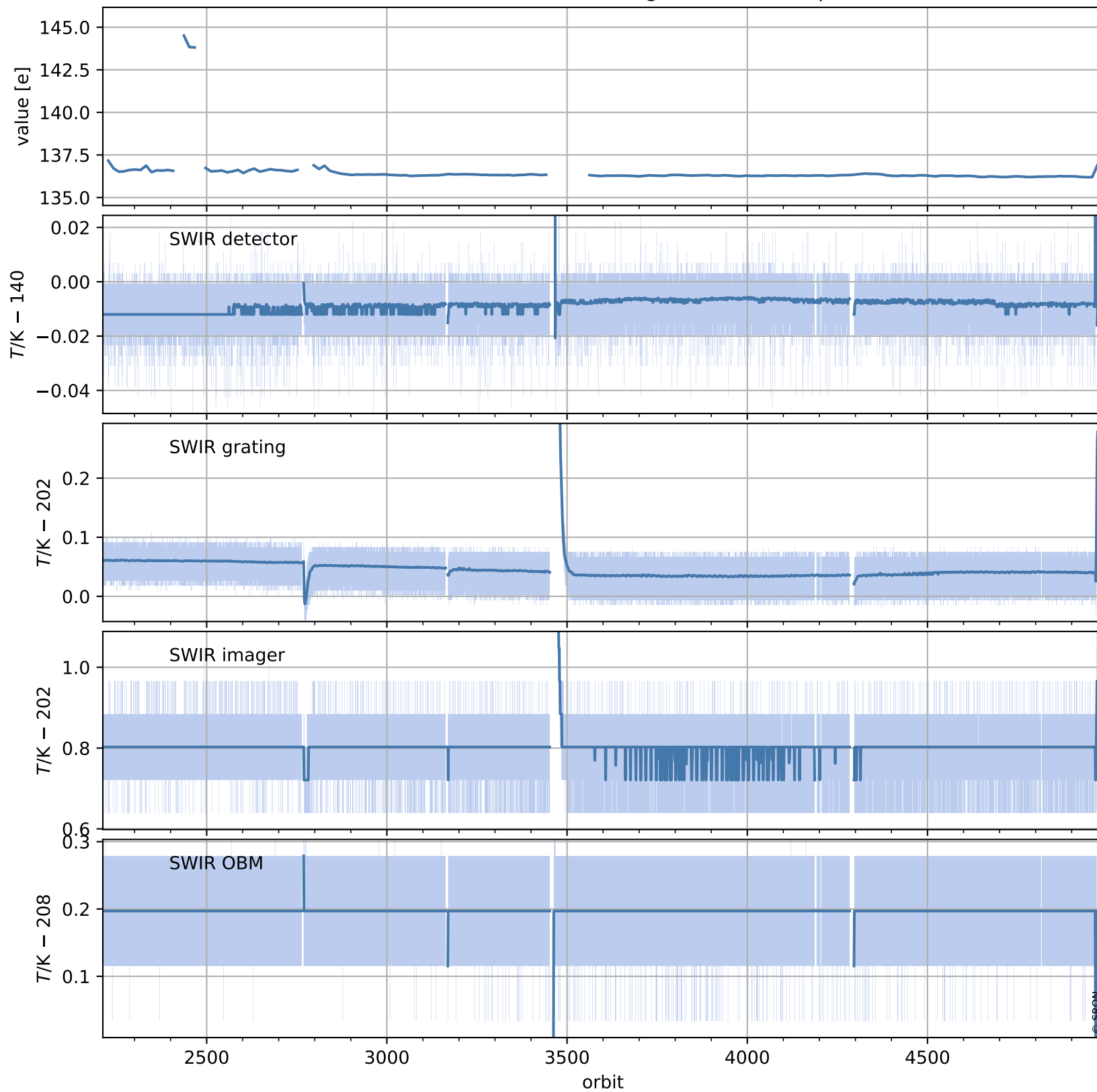
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4987]  
coverage : 2018-03-18 / 2018-09-29  
created : 2023-08-21T14:32:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4987]  
coverage : 2018-03-18 / 2018-09-29  
created : 2023-08-21T14:32:09

## trend of normalized read-noise & temperatures

