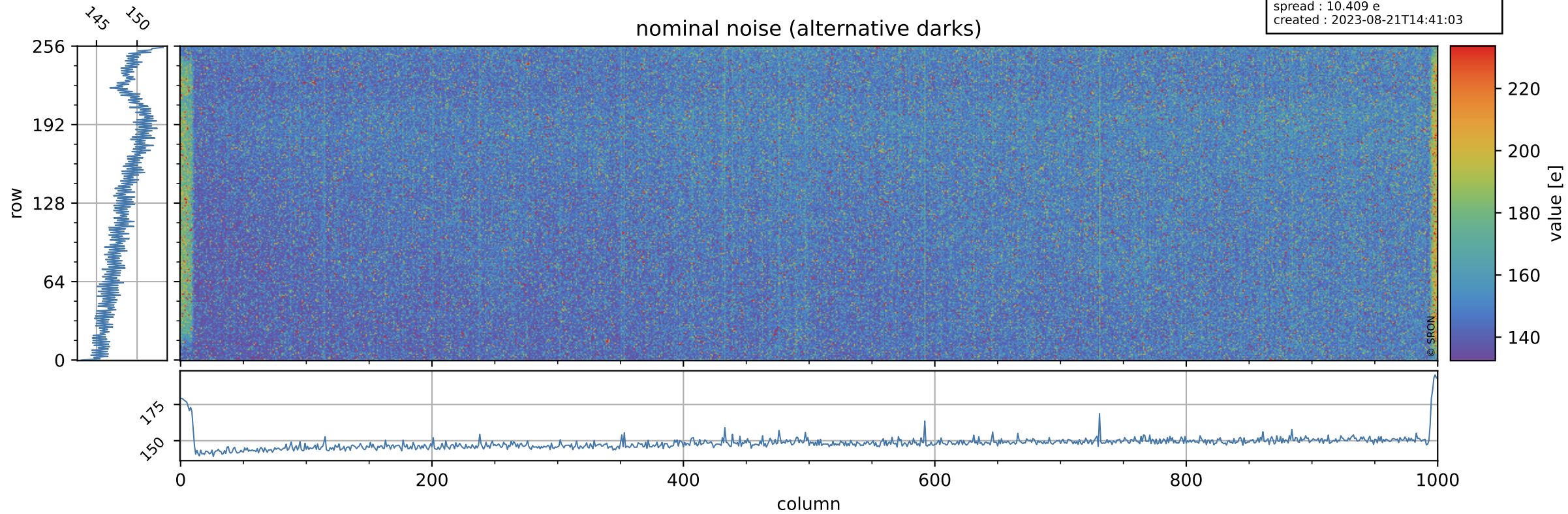


# Tropomi SWIR background noise (swir)

orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.28 e  
spread : 10.409 e  
created : 2023-08-21T14:41:03

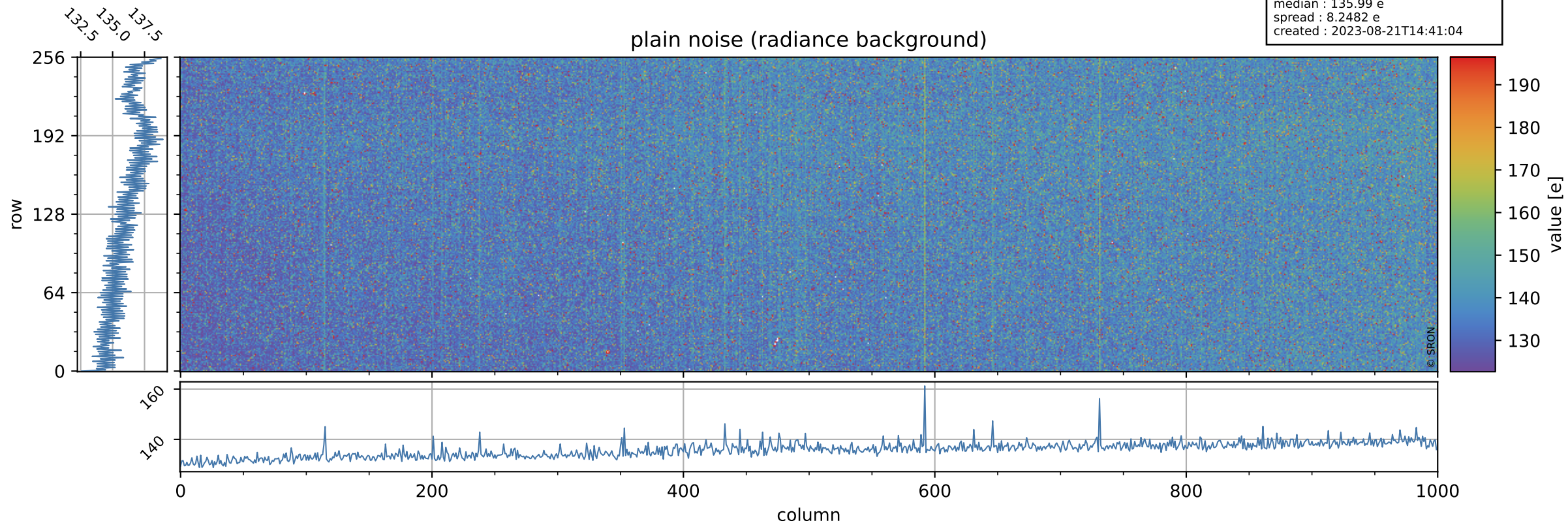
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
n\_coad, t\_exp : 2, 0.5383  
median : 135.99 e  
spread : 8.2482 e  
created : 2023-08-21T14:41:04

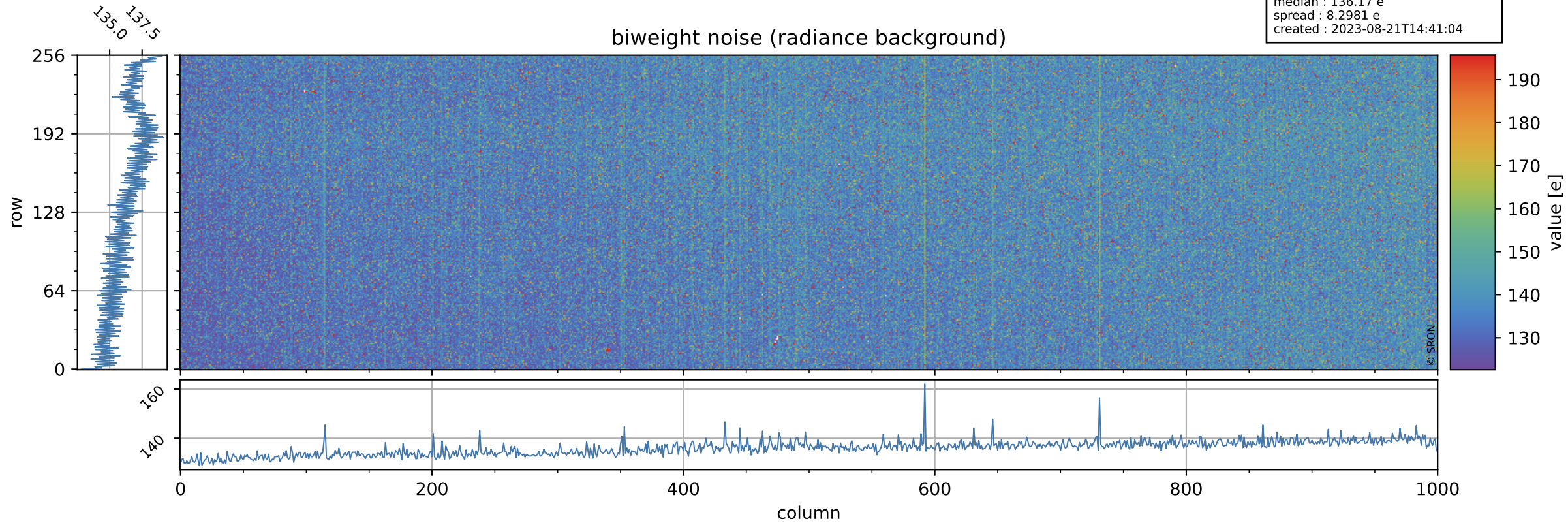
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.2981 e  
created : 2023-08-21T14:41:04

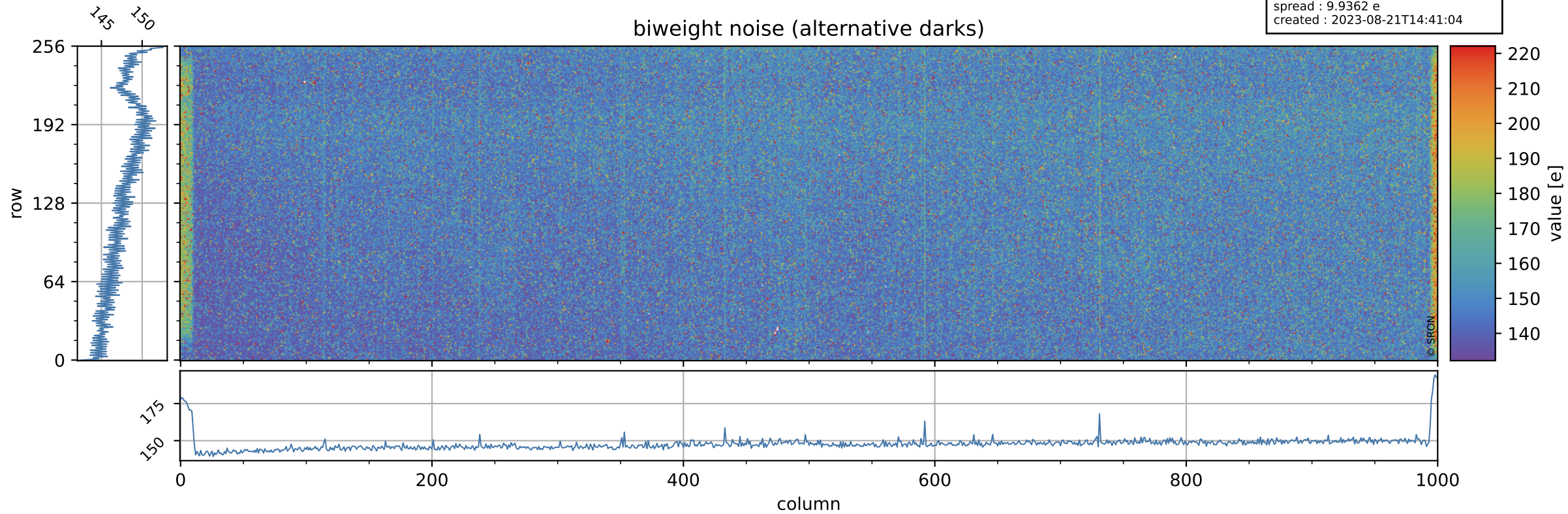
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.9362 e  
created : 2023-08-21T14:41:04

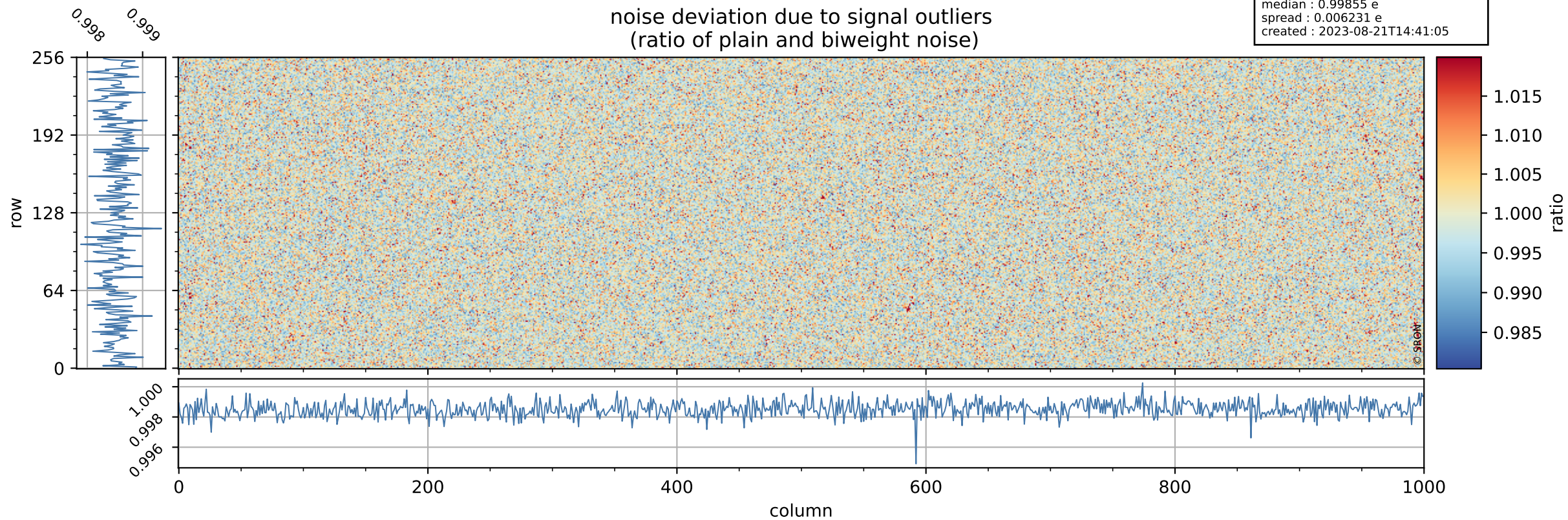
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

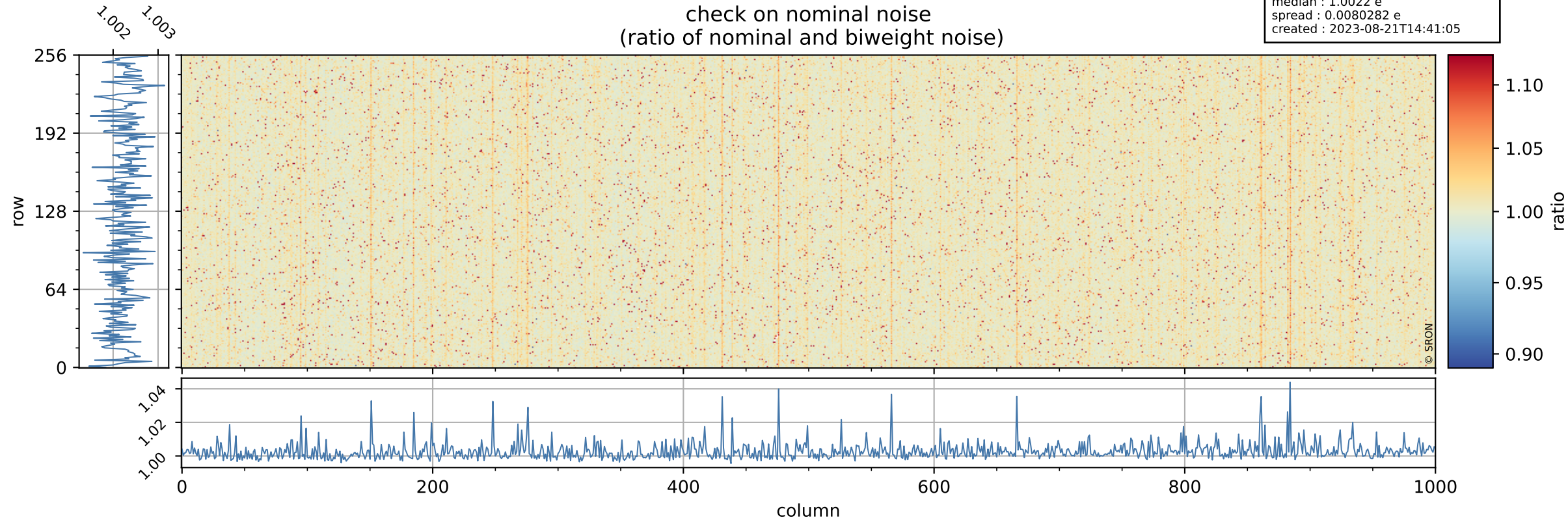
orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
median : 0.99855 e  
spread : 0.006231 e  
created : 2023-08-21T14:41:05



# Tropomi SWIR background noise (swir)

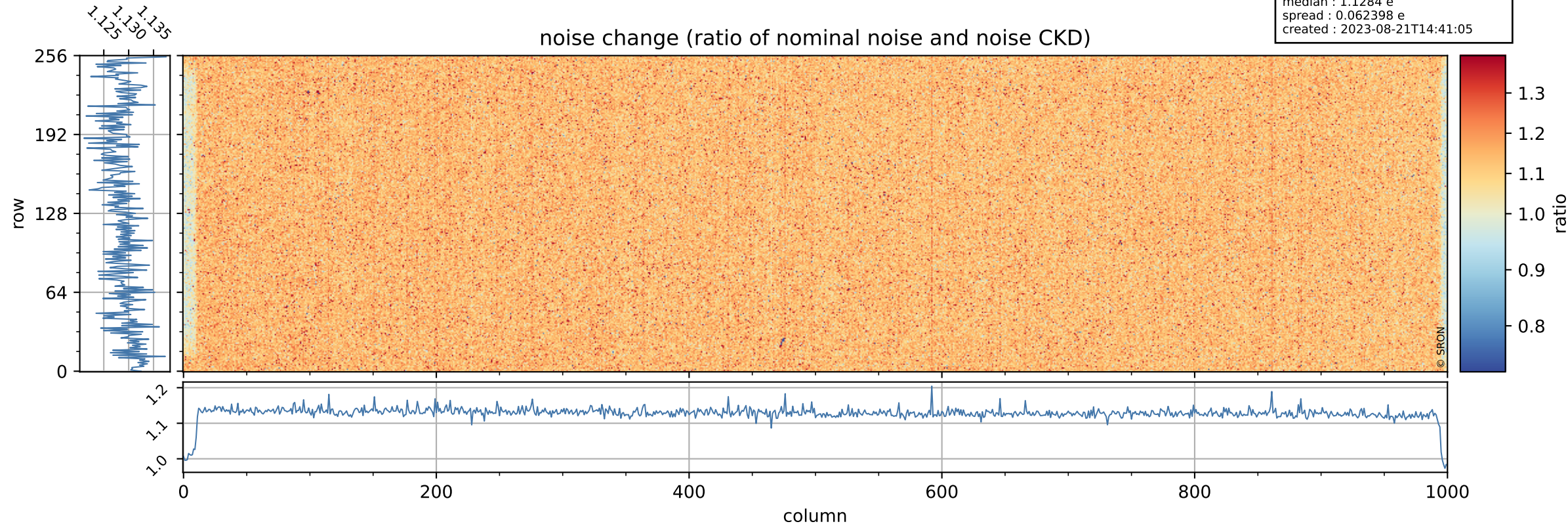
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
median : 1.0022 e  
spread : 0.0080282 e  
created : 2023-08-21T14:41:05



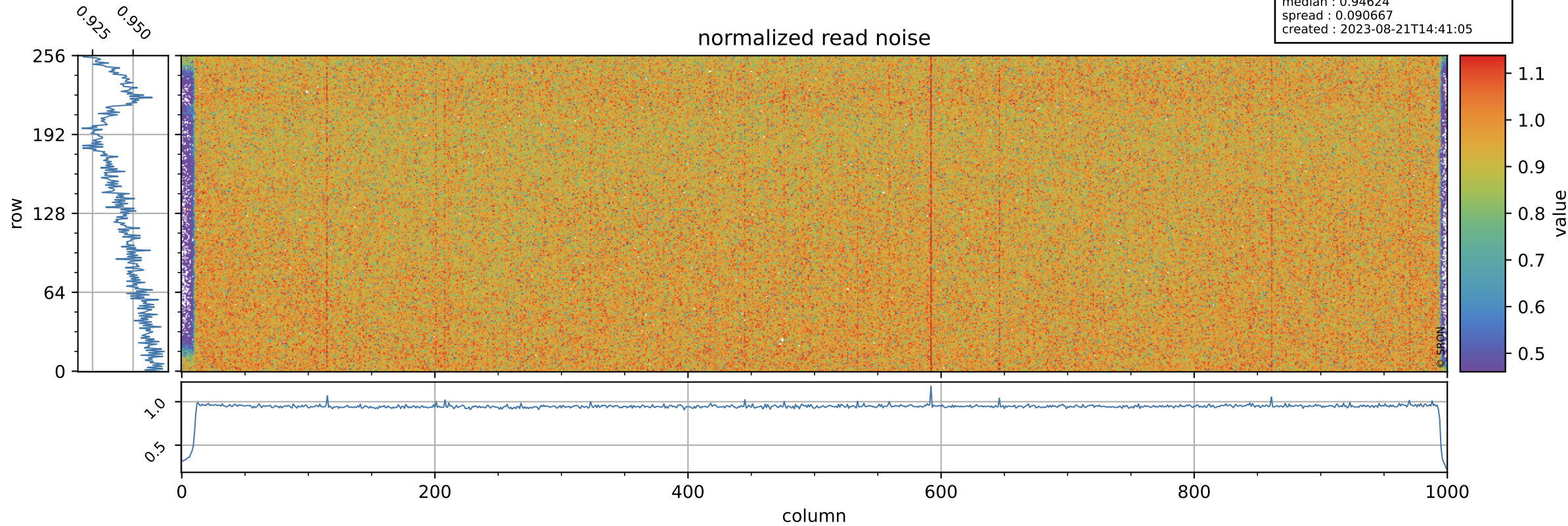
# Tropomi SWIR background noise (swir)

orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
median : 1.1284 e  
spread : 0.062398 e  
created : 2023-08-21T14:41:05



# Tropomi SWIR background noise (swir)

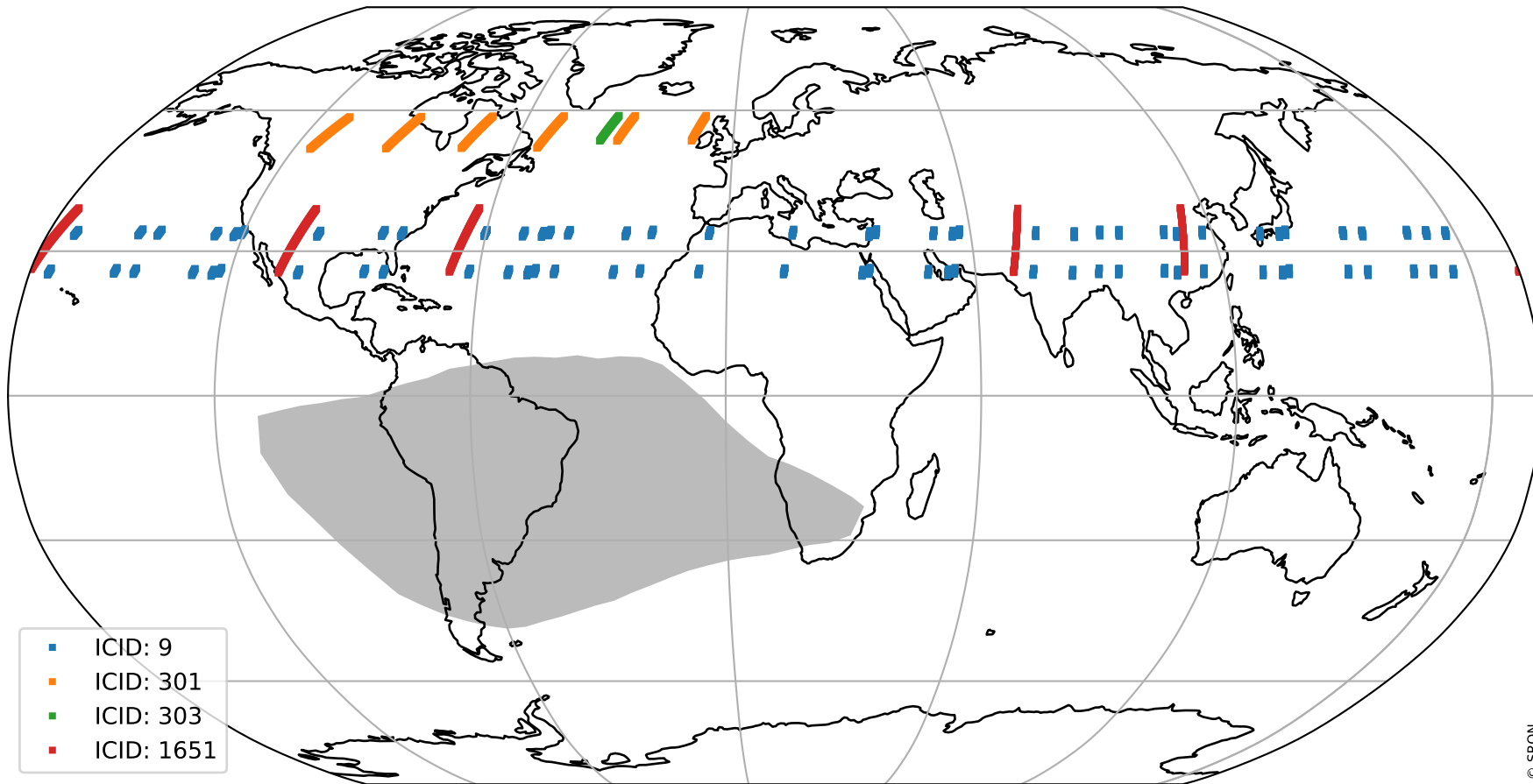
orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
median : 0.94624  
spread : 0.090667  
created : 2023-08-21T14:41:05





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

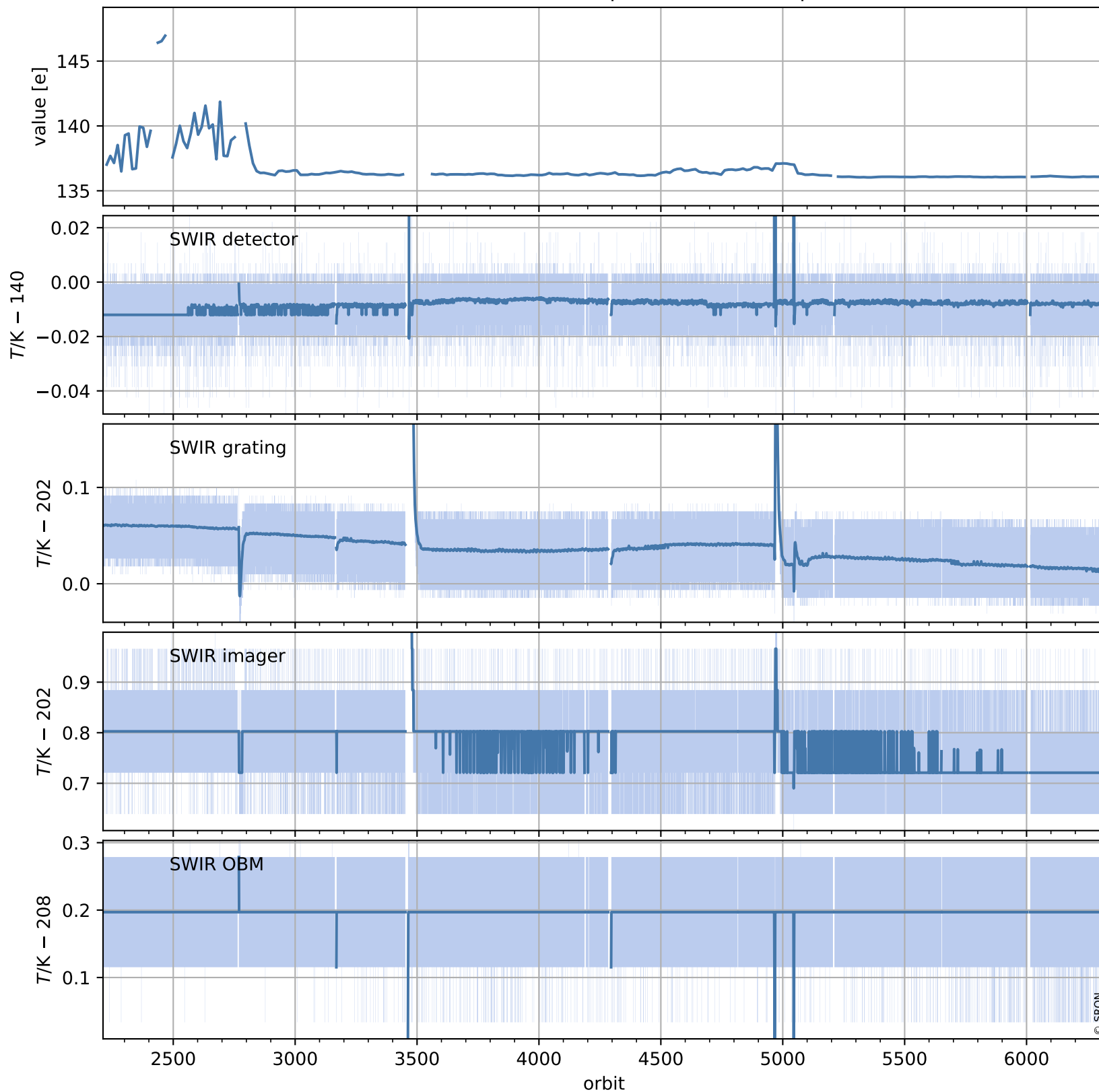
orbits : 12 in [6247, 6322]  
coverage : 2018-12-27 / 2019-01-01  
created : 2023-08-21T14:41:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 6322]  
coverage : 2018-03-18 / 2019-01-01  
created : 2023-08-21T14:41:06

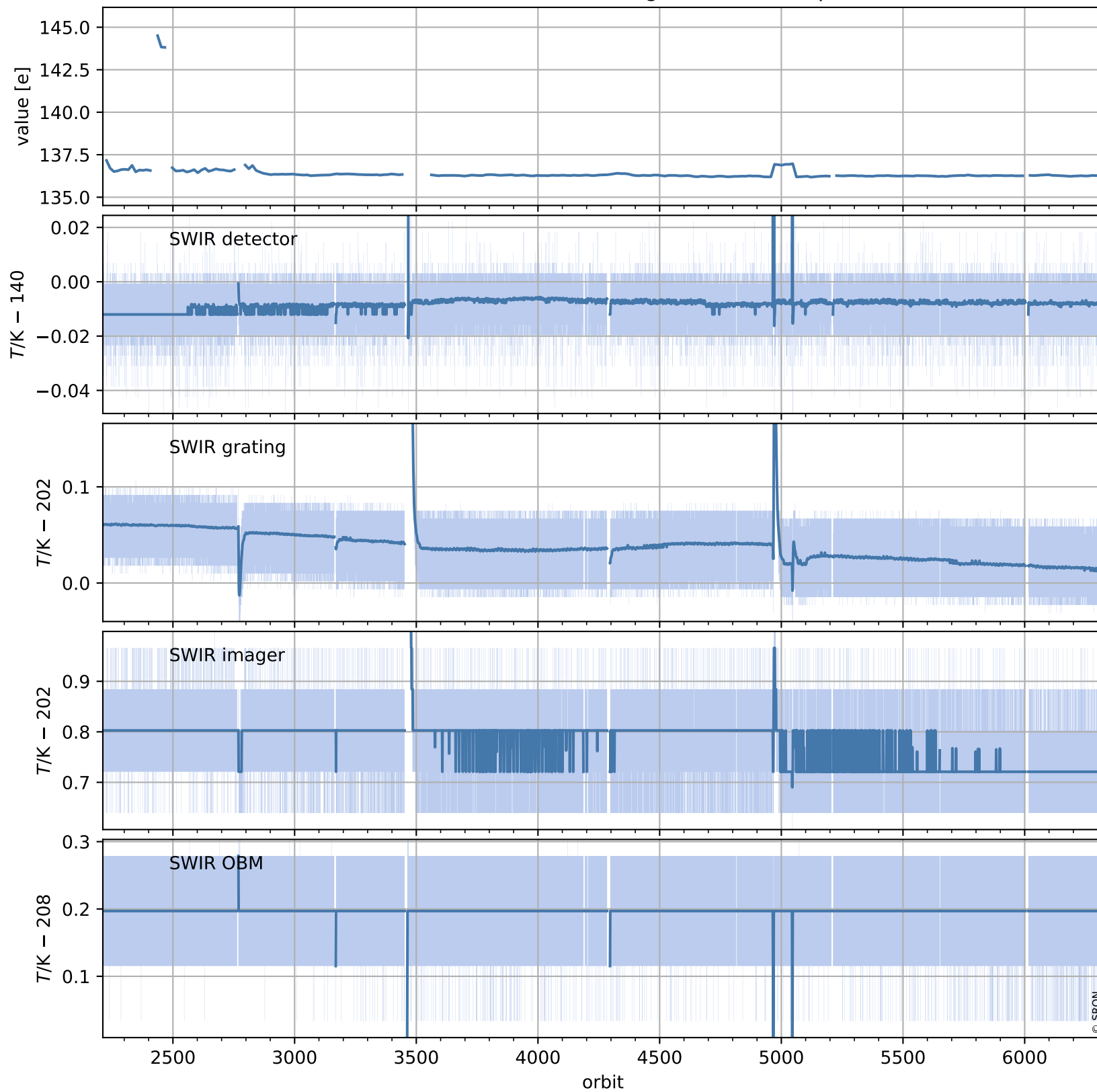
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6322]  
coverage : 2018-03-18 / 2019-01-01  
created : 2023-08-21T14:41:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6322]  
coverage : 2018-03-18 / 2019-01-01  
created : 2023-08-21T14:41:07

## trend of normalized read-noise & temperatures

