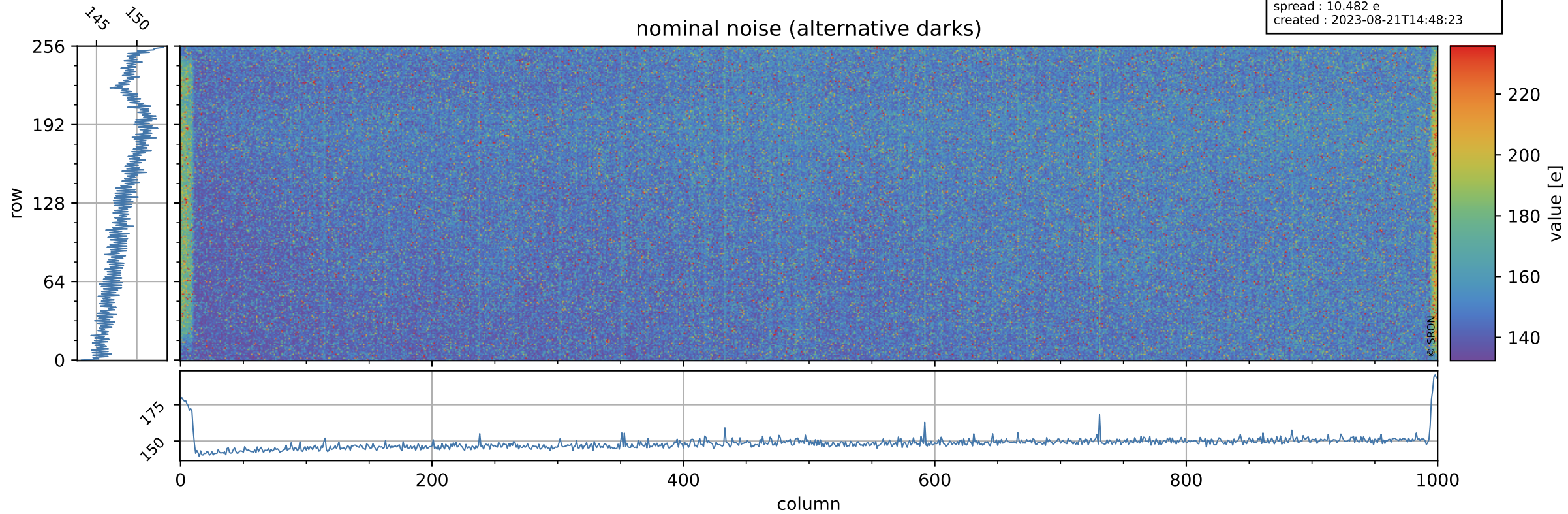


# Tropomi SWIR background noise (swir)

orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.38 e  
spread : 10.482 e  
created : 2023-08-21T14:48:23

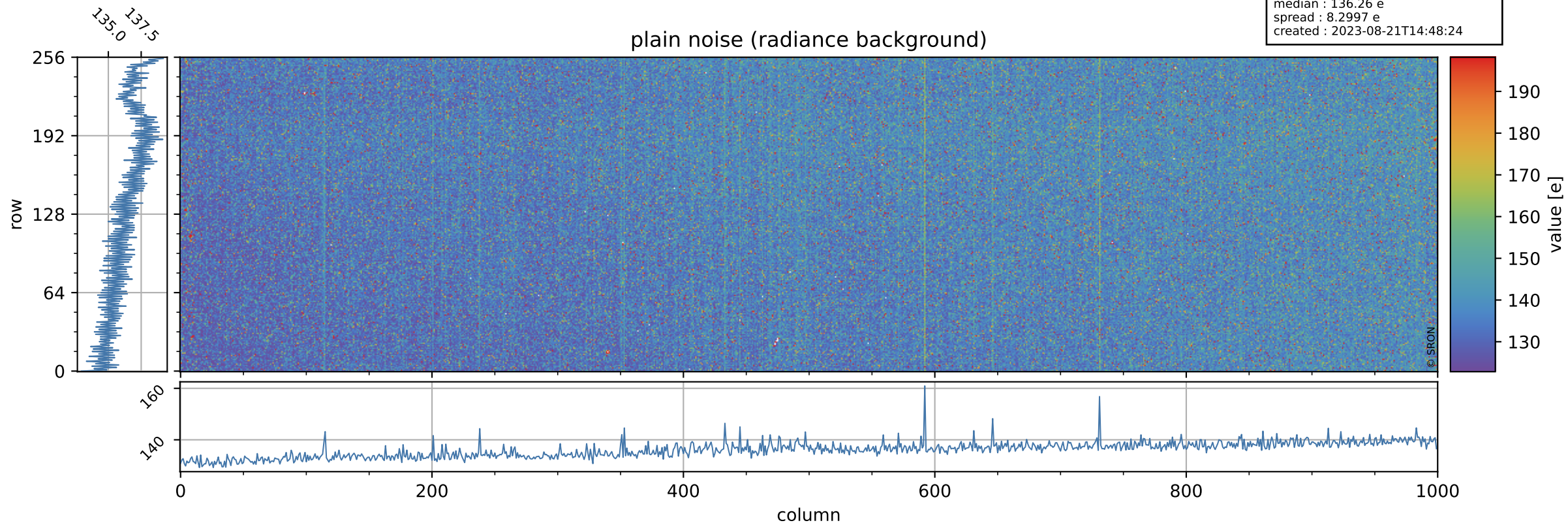
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.26 e  
spread : 8.2997 e  
created : 2023-08-21T14:48:24

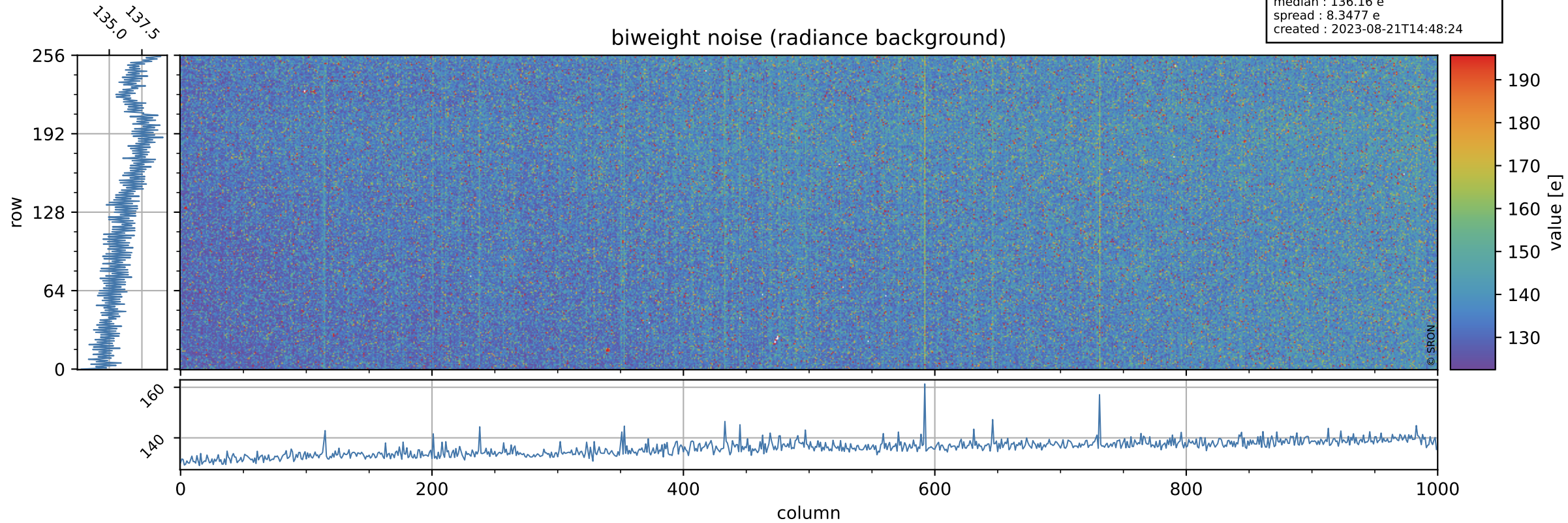
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.3477 e  
created : 2023-08-21T14:48:24

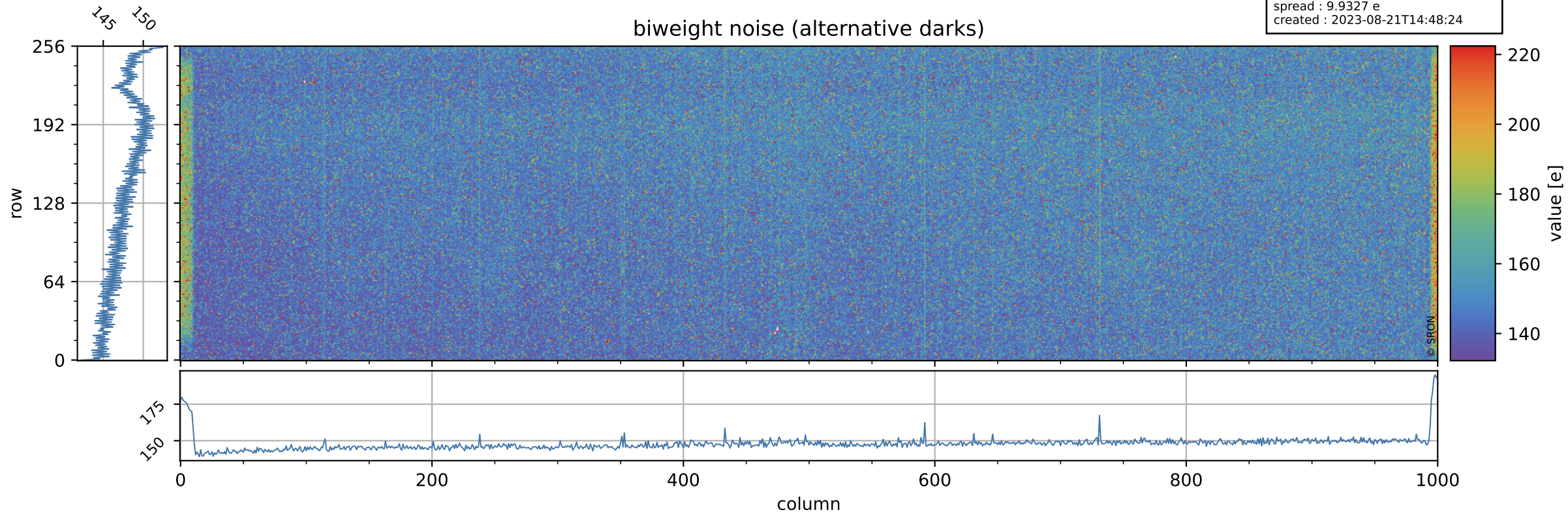
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 9.9327 e  
created : 2023-08-21T14:48:24

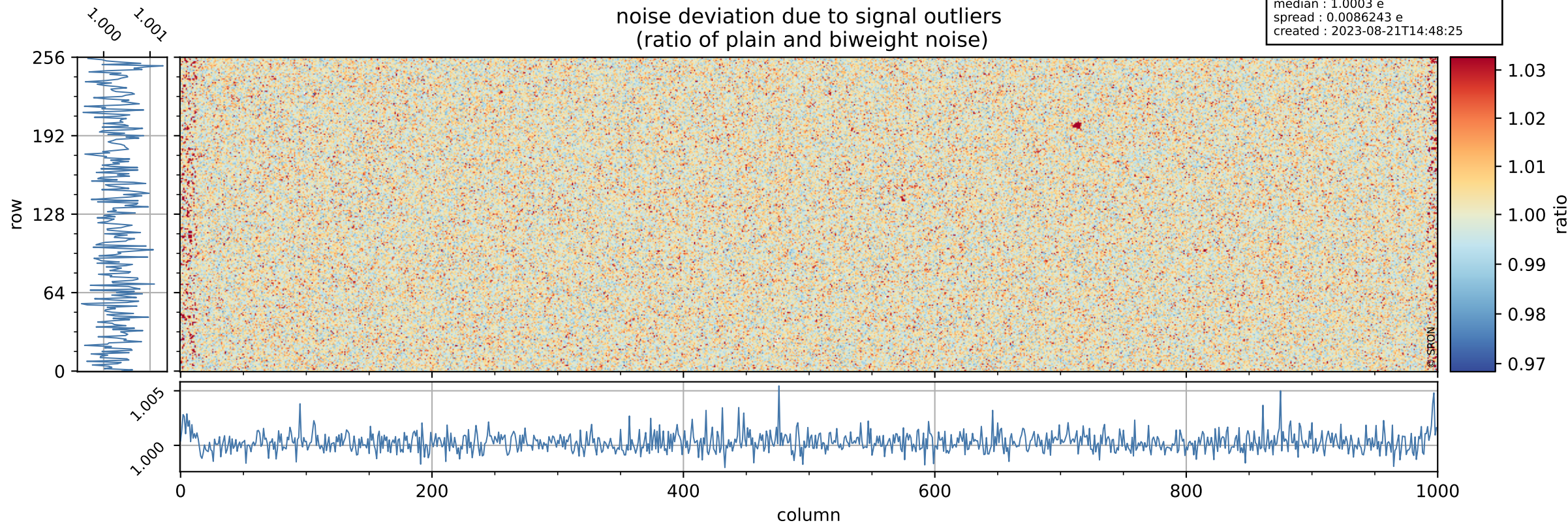
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

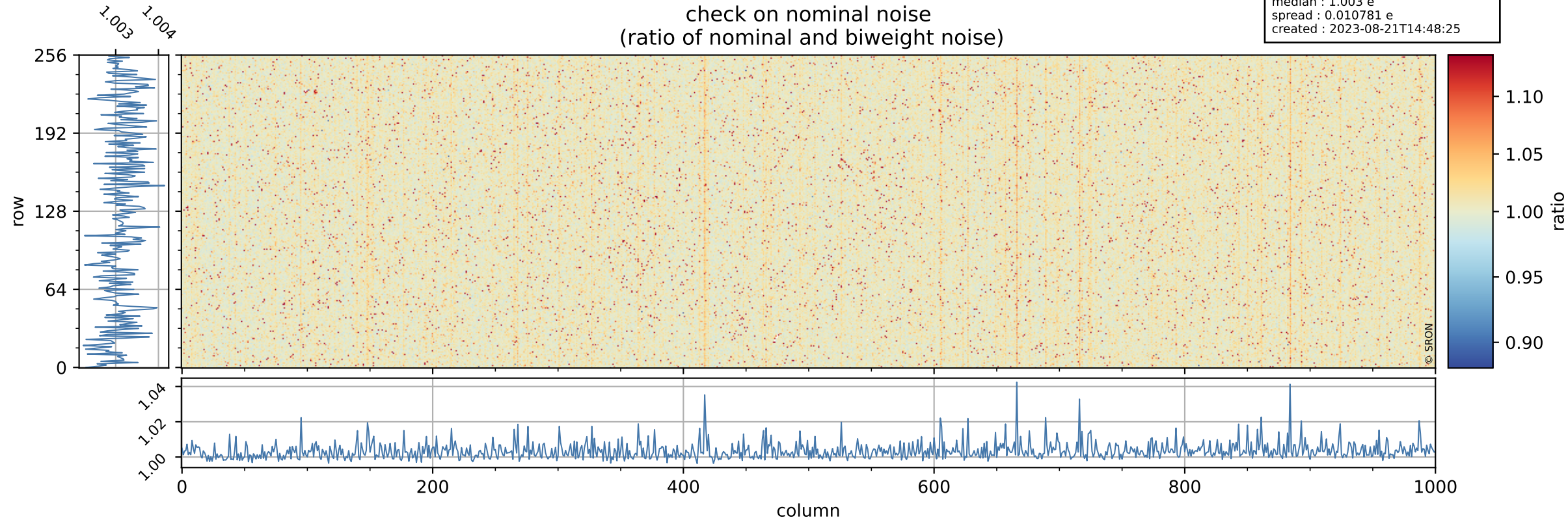
orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
median : 1.0003 e  
spread : 0.0086243 e  
created : 2023-08-21T14:48:25



# Tropomi SWIR background noise (swir)

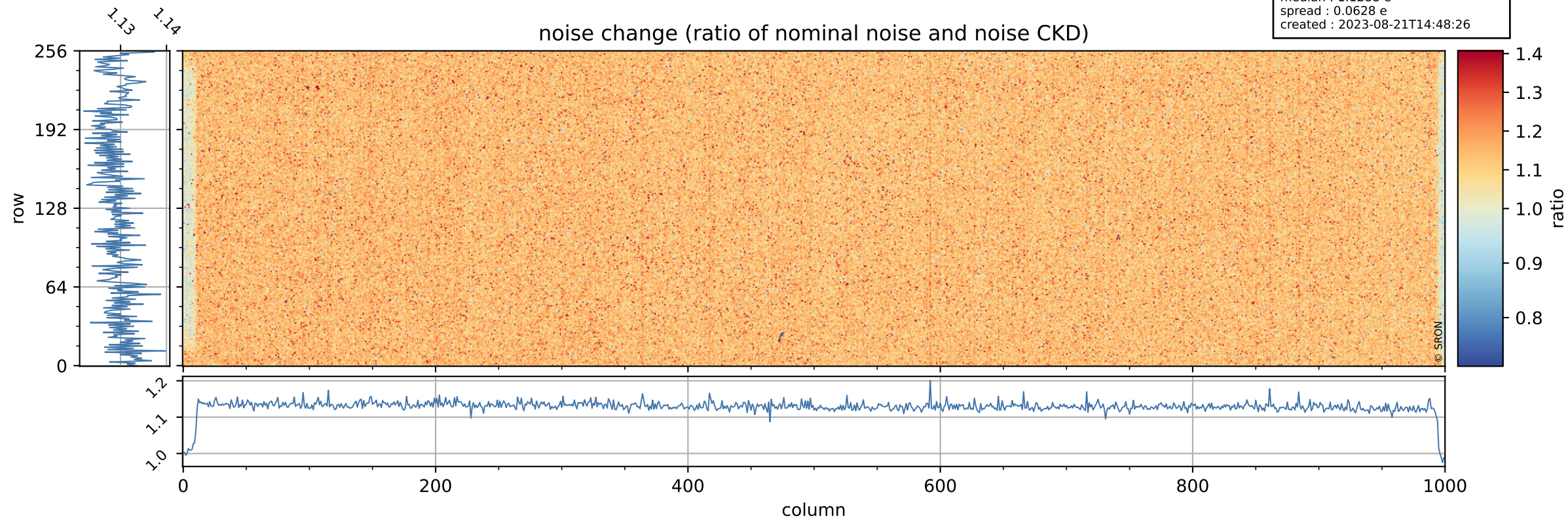
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
median : 1.003 e  
spread : 0.010781 e  
created : 2023-08-21T14:48:25



# Tropomi SWIR background noise (swir)

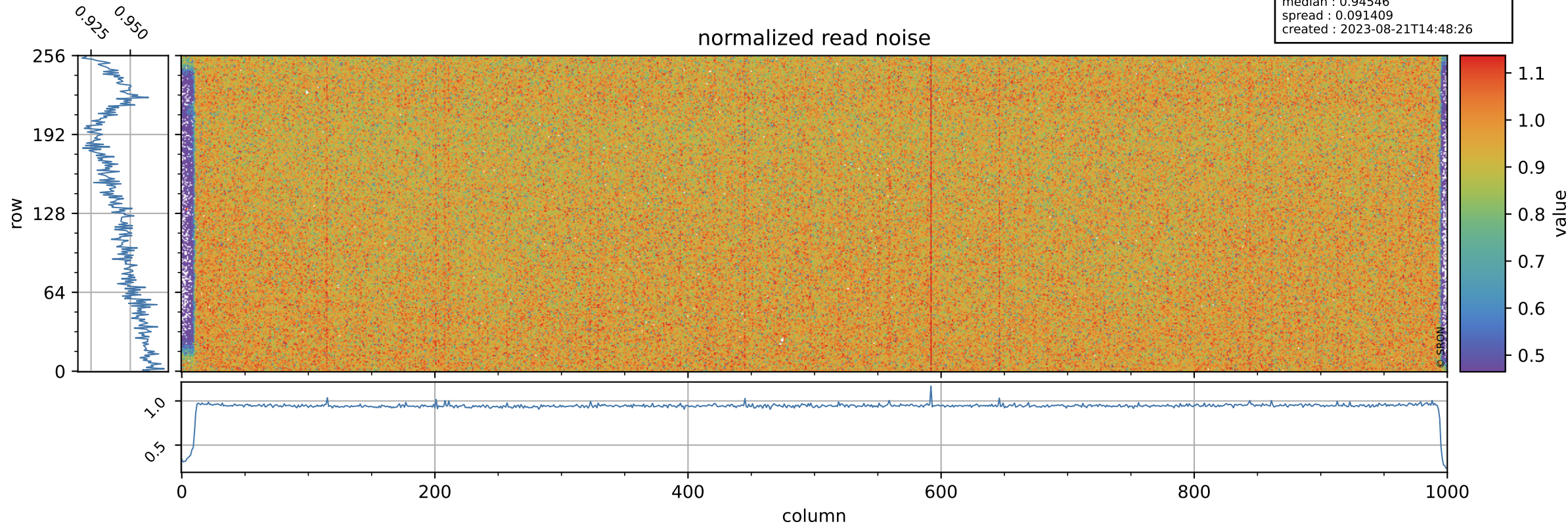
orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
median : 1.1288 e  
spread : 0.0628 e  
created : 2023-08-21T14:48:26



# Tropomi SWIR background noise (swir)

orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
median : 0.94546  
spread : 0.091409  
created : 2023-08-21T14:48:26

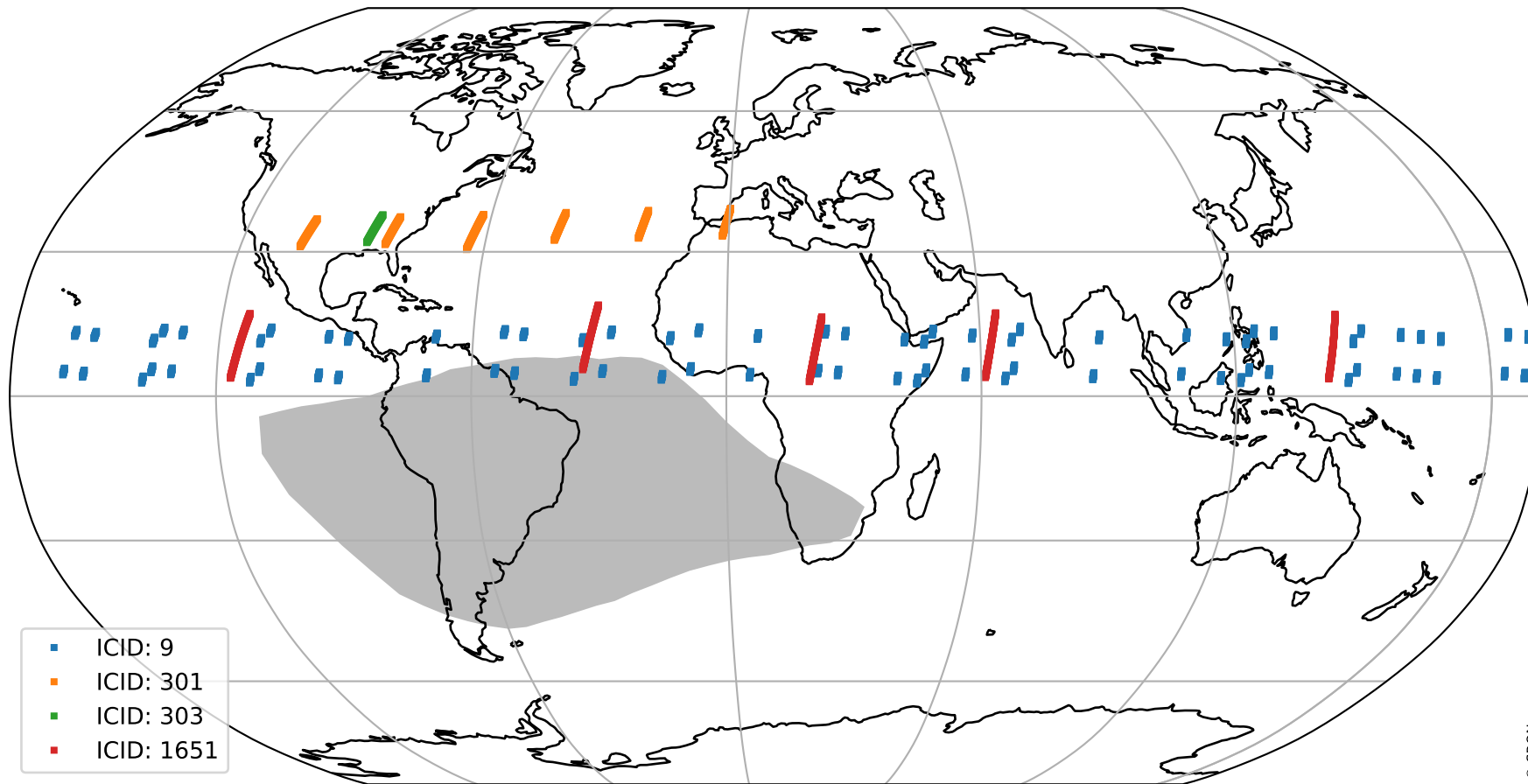
normalized read noise





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

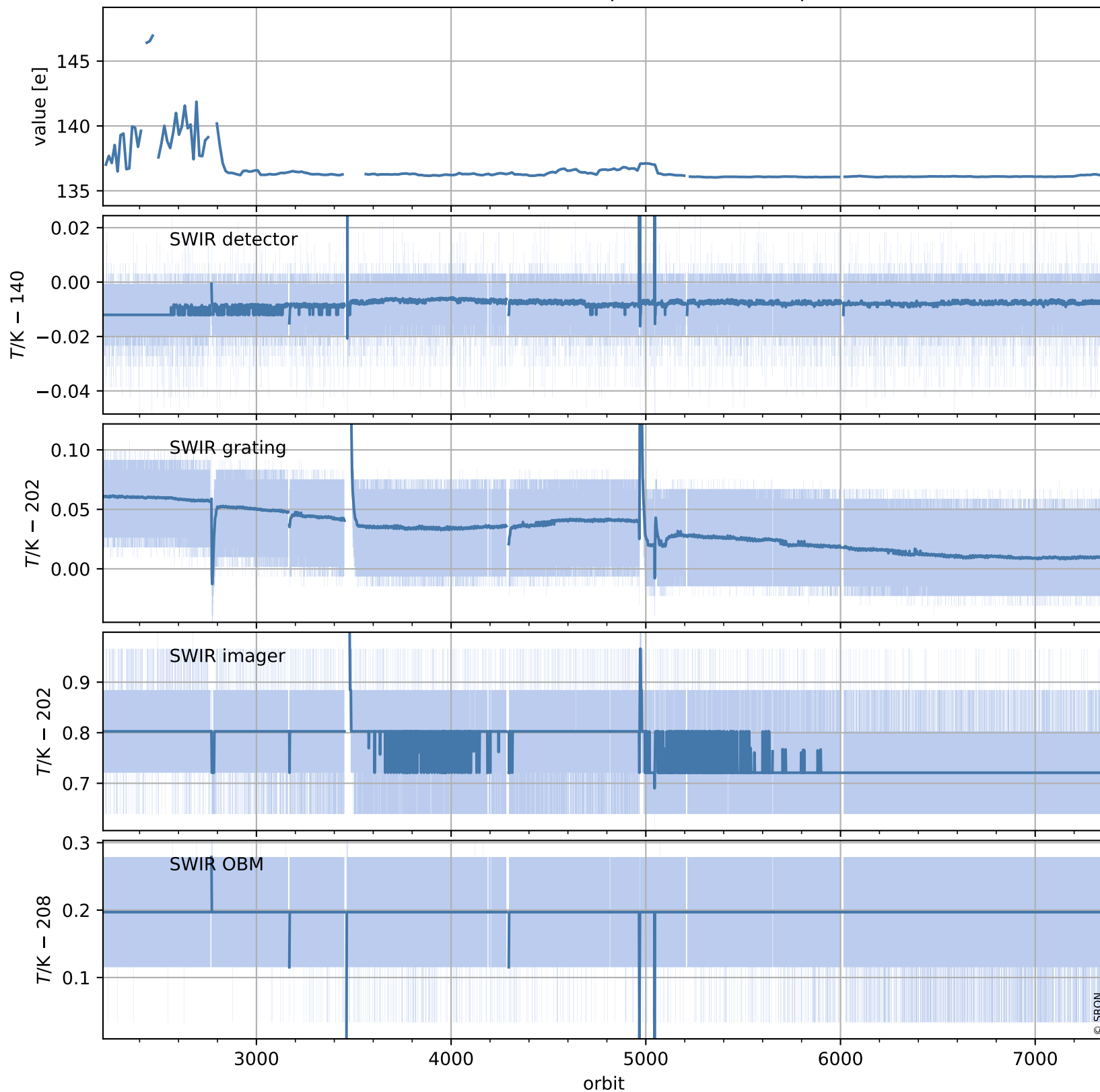
orbits : 12 in [7267, 7357]  
coverage : 2019-03-10 / 2019-03-16  
created : 2023-08-21T14:48:27



# Tropomi SWIR background noise (swir)

orbits : [2212, 7357]  
coverage : 2018-03-18 / 2019-03-16  
created : 2023-08-21T14:48:27

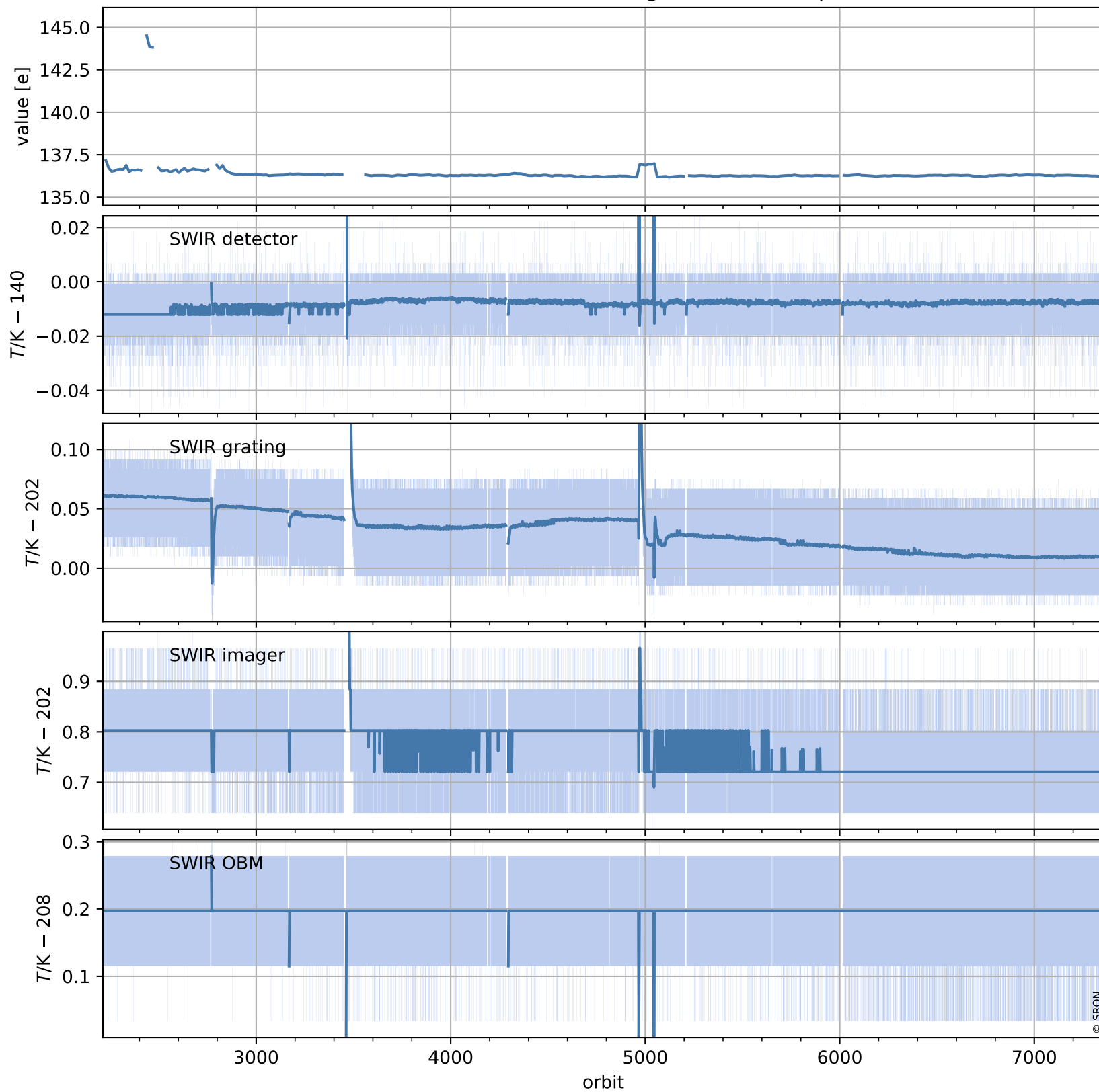
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7357]  
coverage : 2018-03-18 / 2019-03-16  
created : 2023-08-21T14:48:28

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7357]  
coverage : 2018-03-18 / 2019-03-16  
created : 2023-08-21T14:48:28

## trend of normalized read-noise & temperatures

