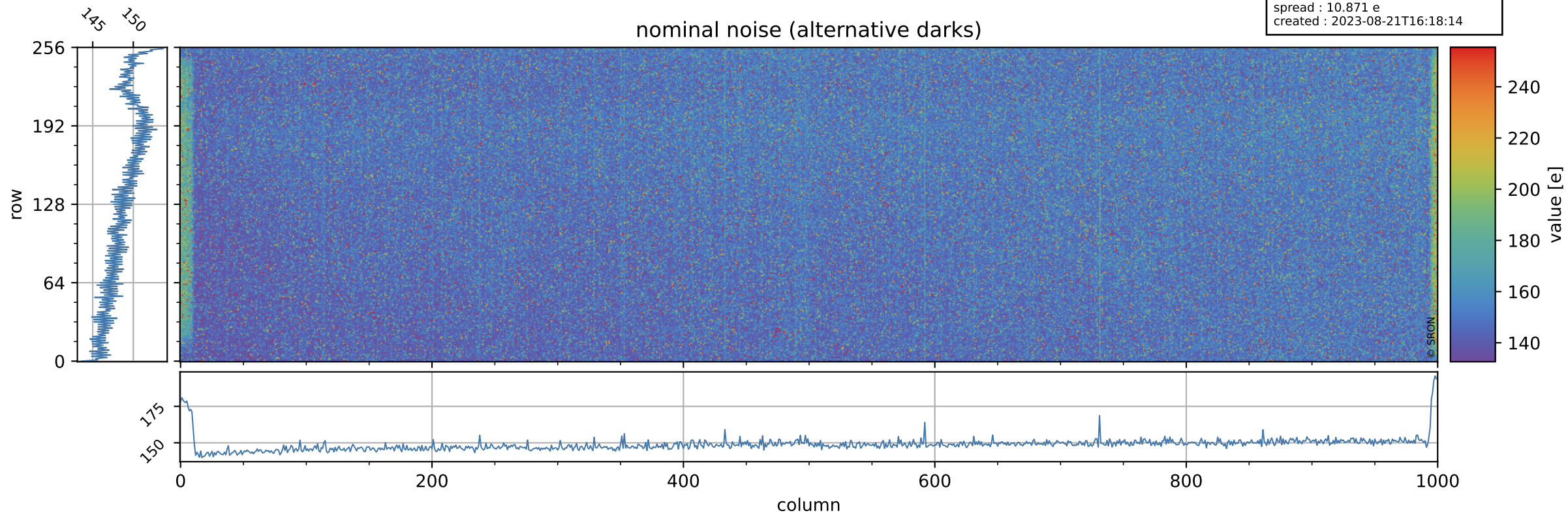


# Tropomi SWIR background noise (swir)

orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.68 e  
spread : 10.871 e  
created : 2023-08-21T16:18:14

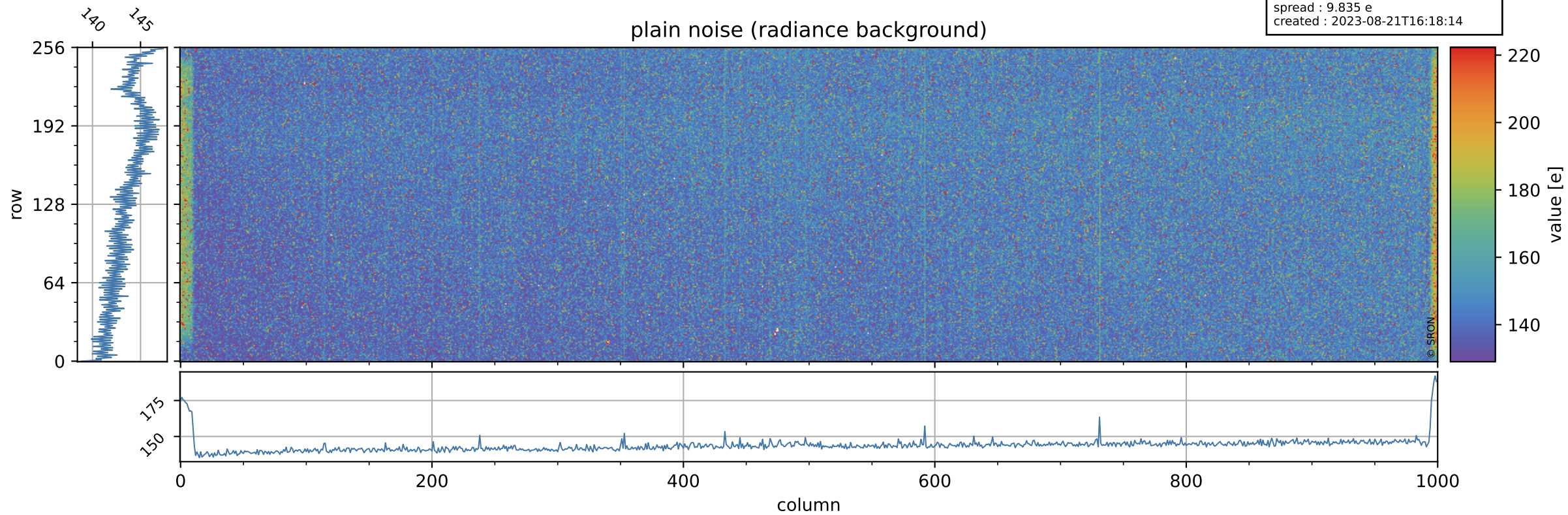
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.48 e  
spread : 9.835 e  
created : 2023-08-21T16:18:14

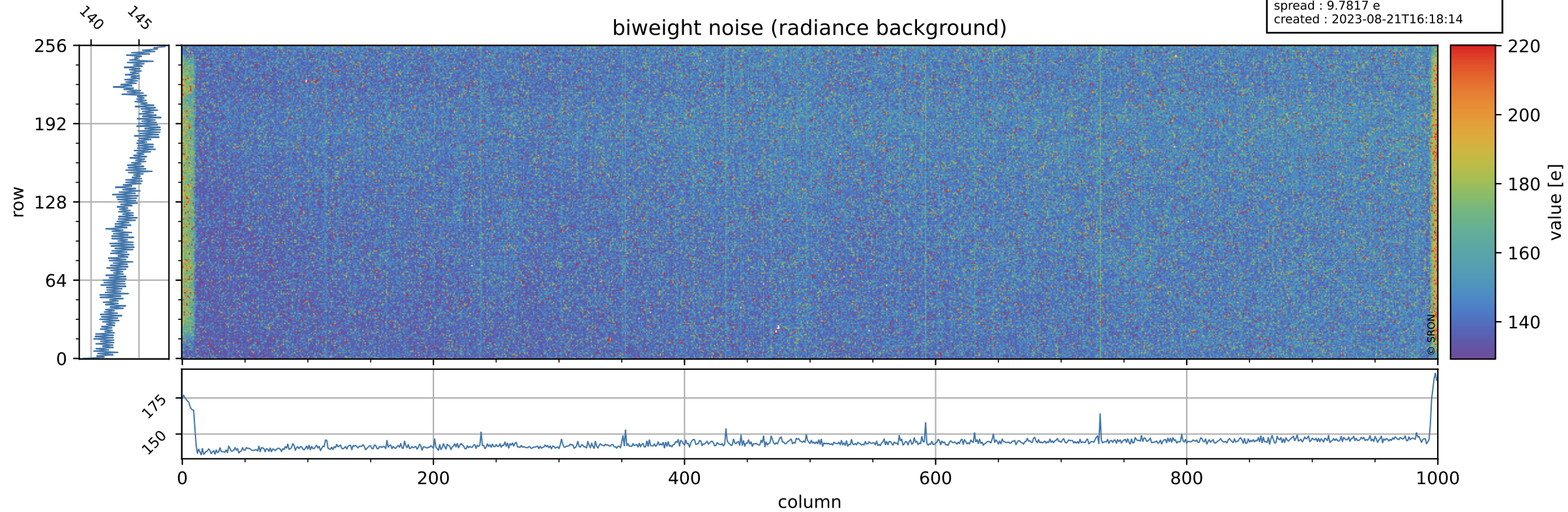
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.83 e  
spread : 9.7817 e  
created : 2023-08-21T16:18:14

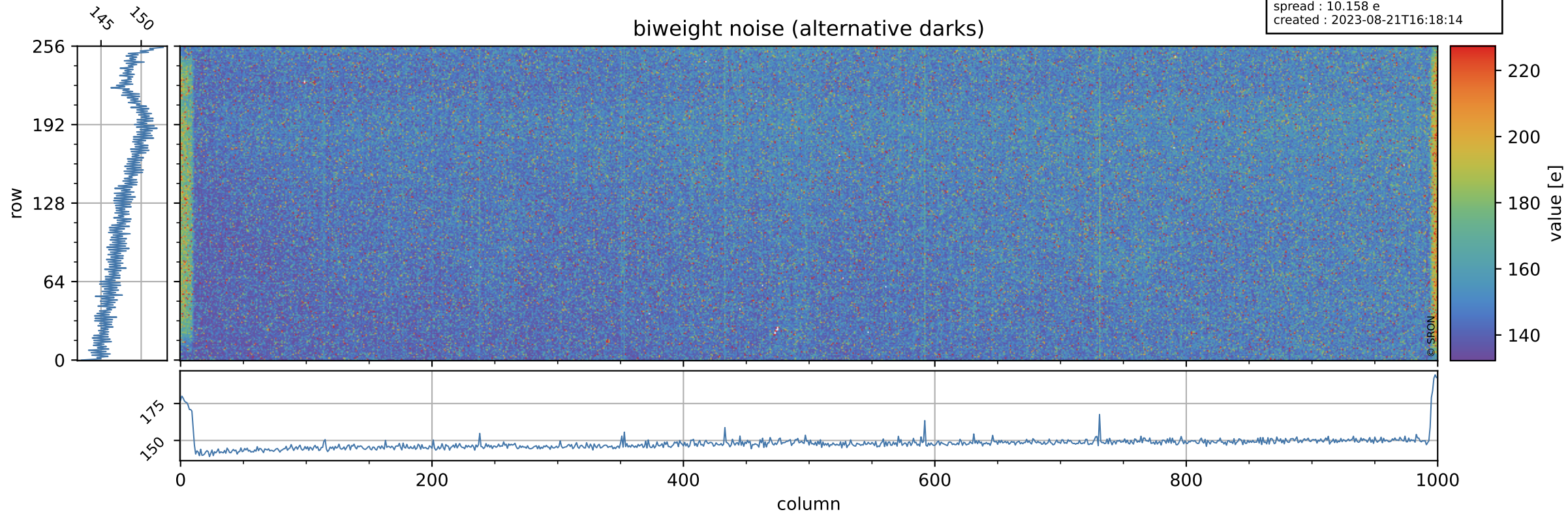
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.158 e  
created : 2023-08-21T16:18:14

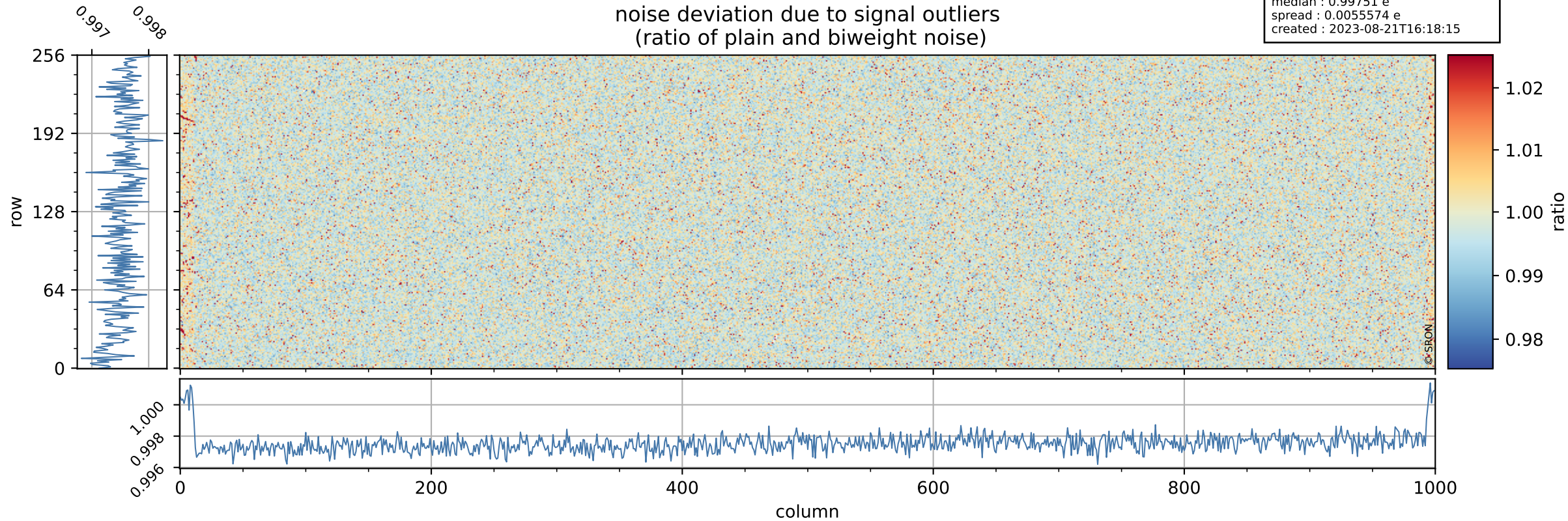
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

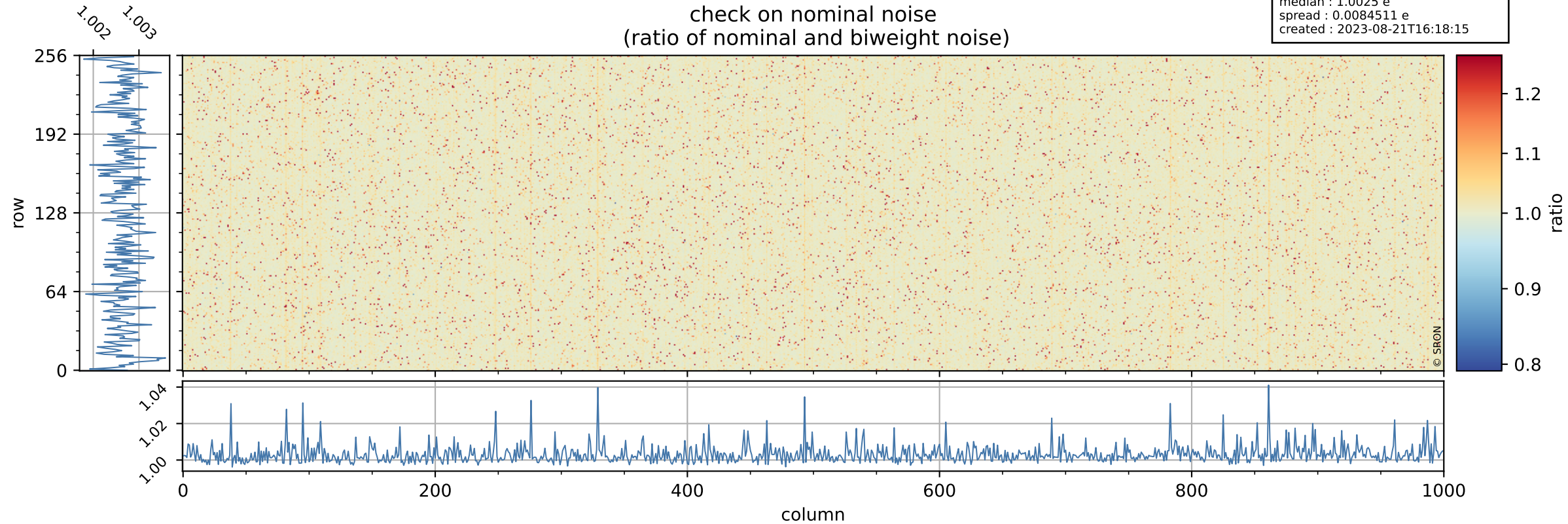
orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
median : 0.99751 e  
spread : 0.0055574 e  
created : 2023-08-21T16:18:15



# Tropomi SWIR background noise (swir)

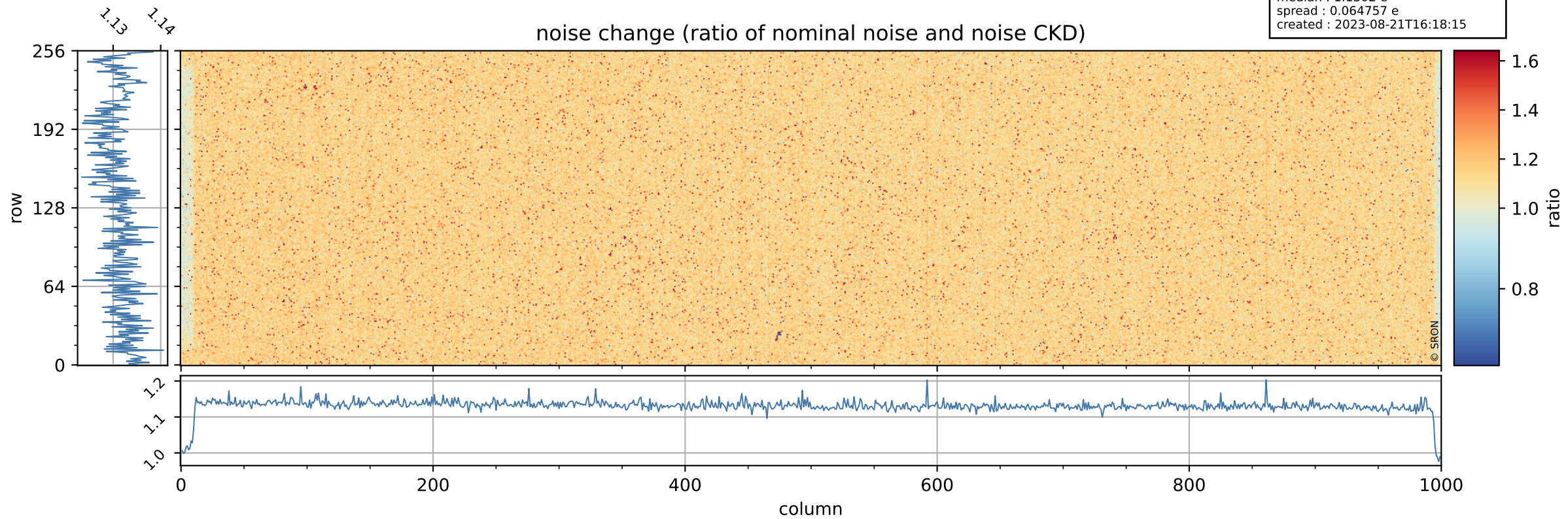
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
median : 1.0025 e  
spread : 0.0084511 e  
created : 2023-08-21T16:18:15



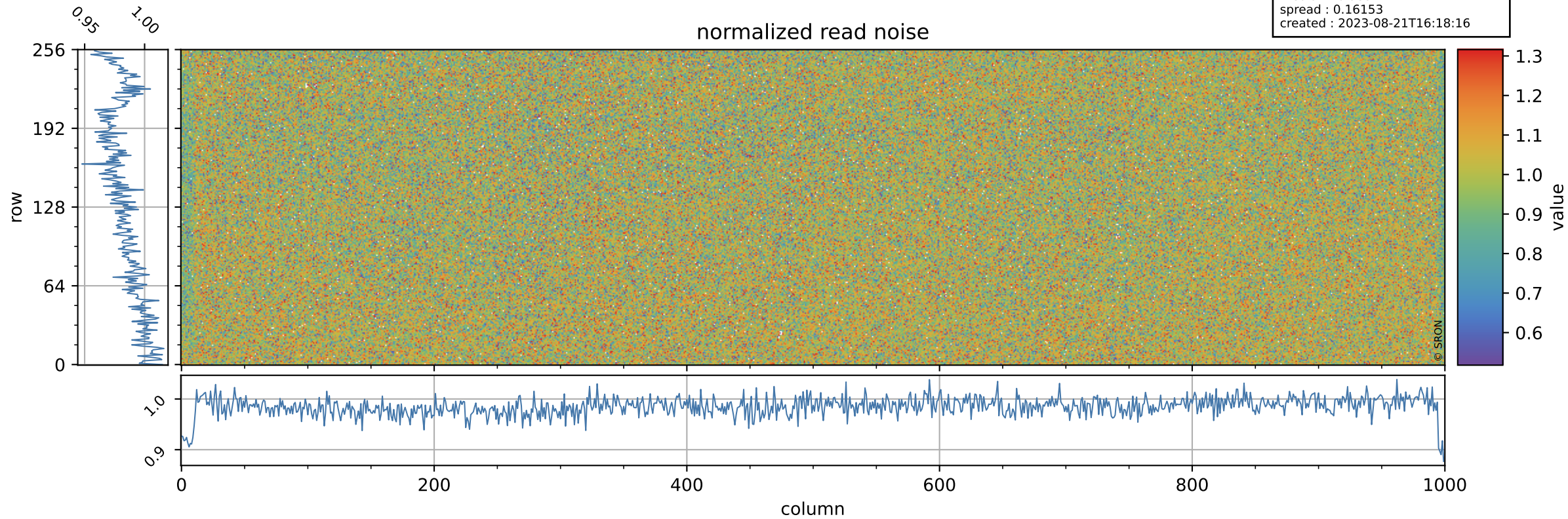
# Tropomi SWIR background noise (swir)

orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
median : 1.1302 e  
spread : 0.064757 e  
created : 2023-08-21T16:18:15



# Tropomi SWIR background noise (swir)

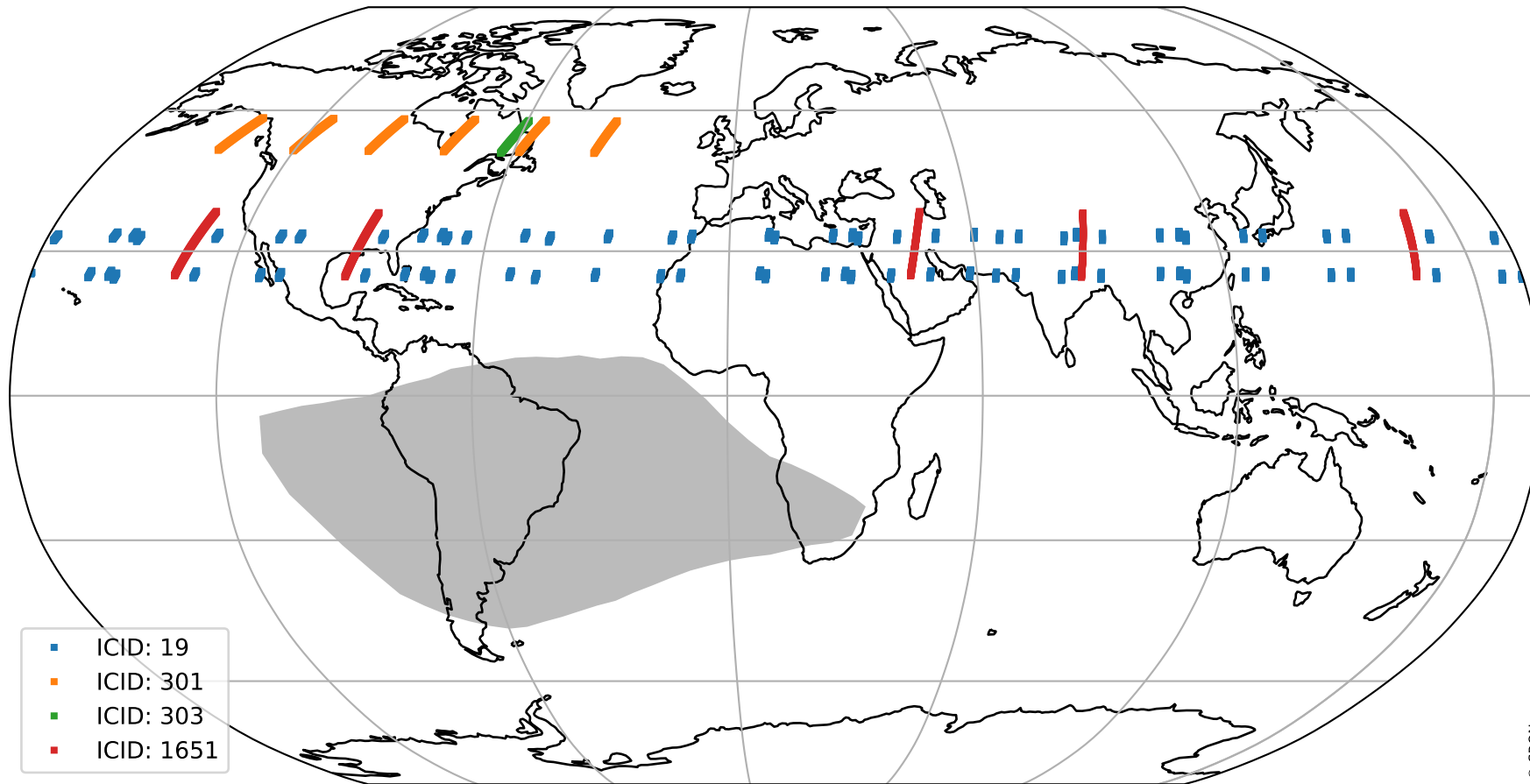
orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
median : 0.98342  
spread : 0.16153  
created : 2023-08-21T16:18:16





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

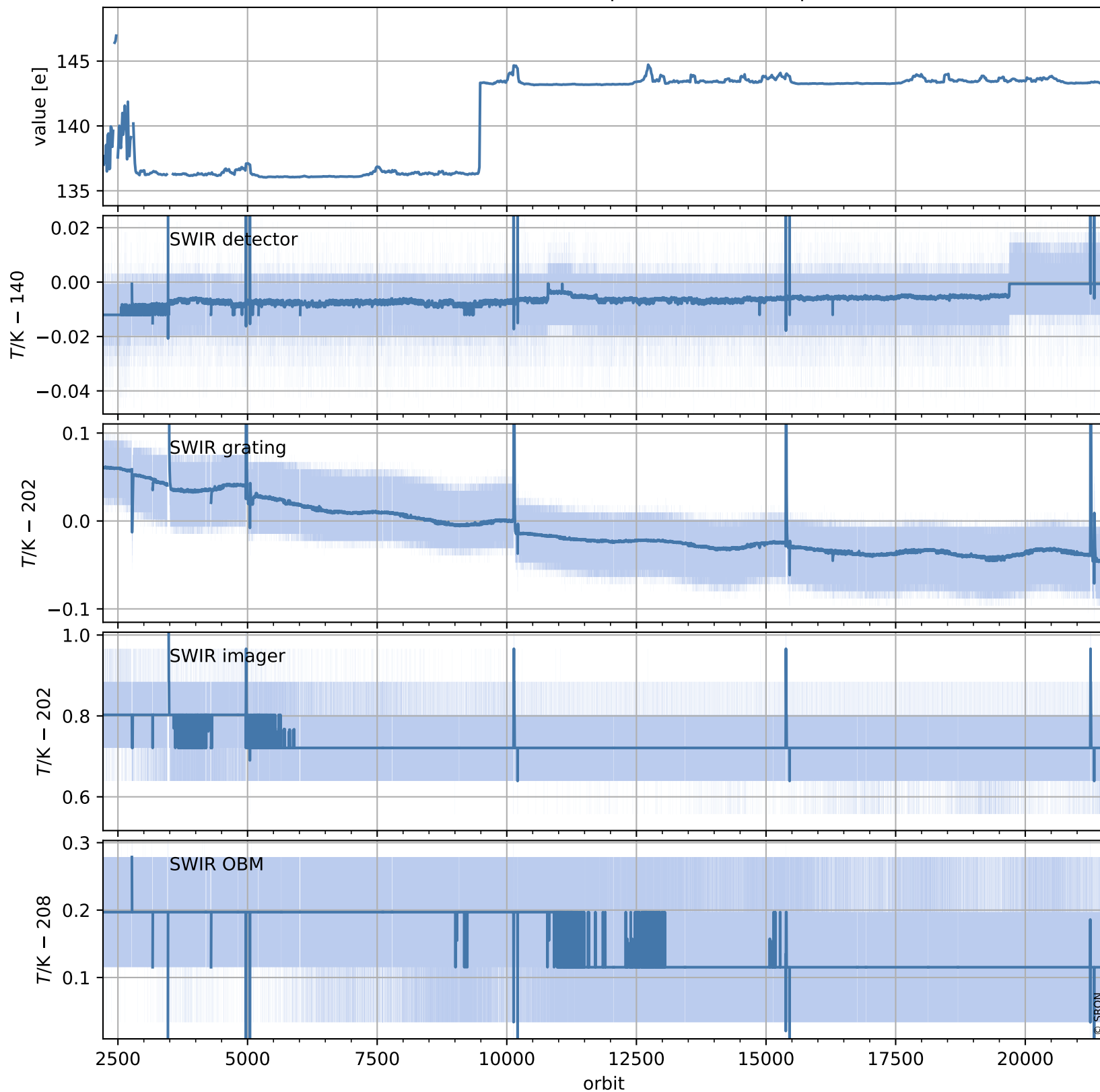
orbits : 12 in [21457, 21532]  
coverage : 2021-12-03 / 2021-12-08  
created : 2023-08-21T16:18:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 21532]  
coverage : 2018-03-18 / 2021-12-08  
created : 2023-08-21T16:18:17

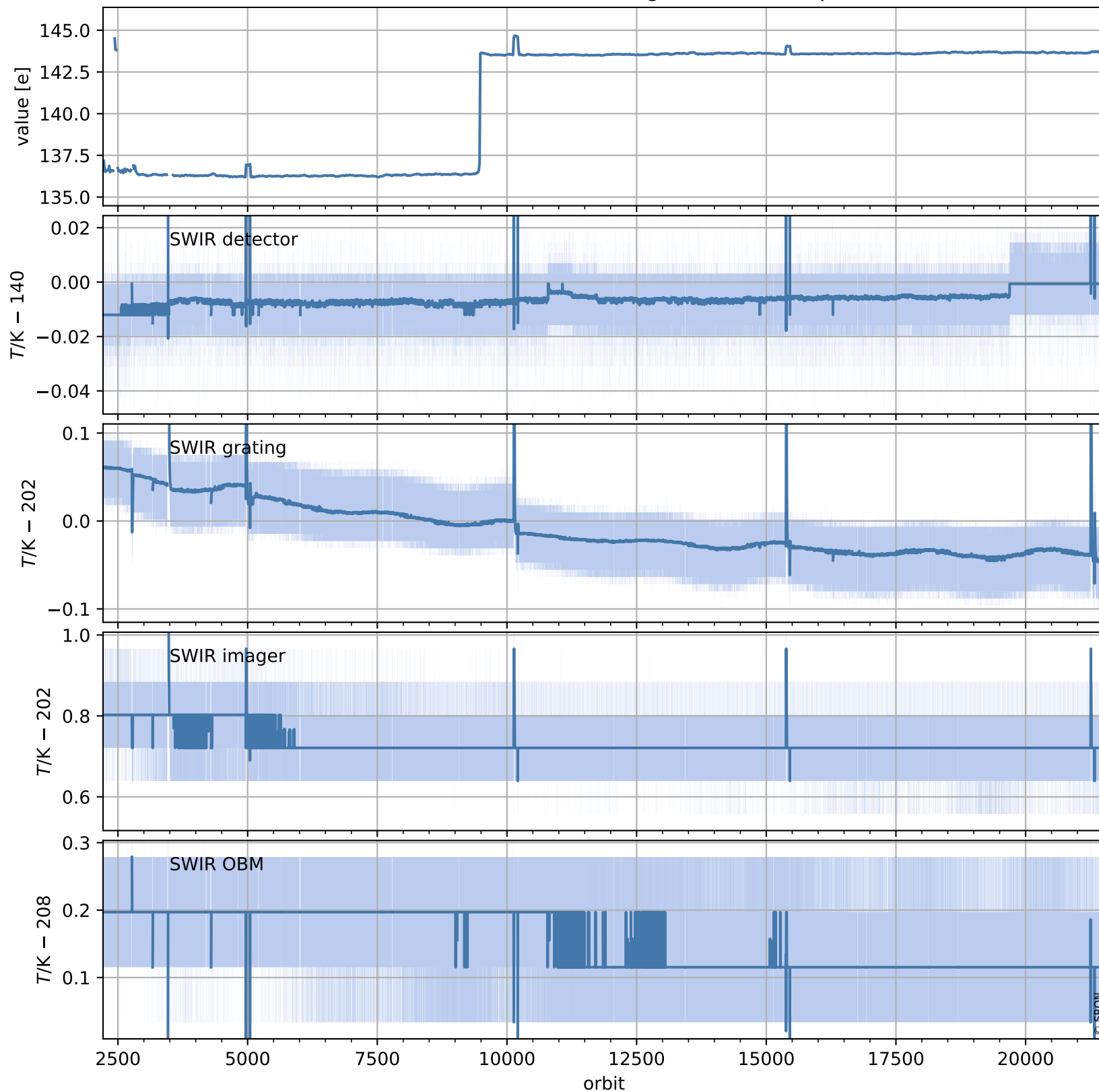
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21532]  
coverage : 2018-03-18 / 2021-12-08  
created : 2023-08-21T16:18:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21532]  
coverage : 2018-03-18 / 2021-12-08  
created : 2023-08-21T16:18:18

## trend of normalized read-noise & temperatures

