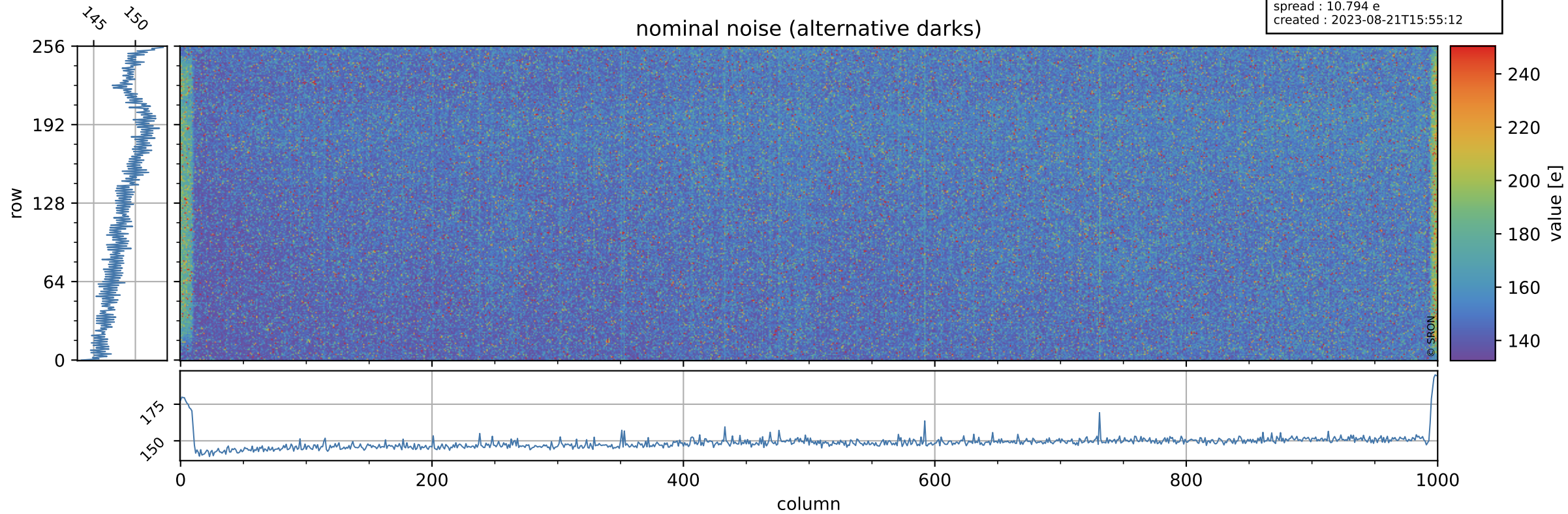


# Tropomi SWIR background noise (swir)

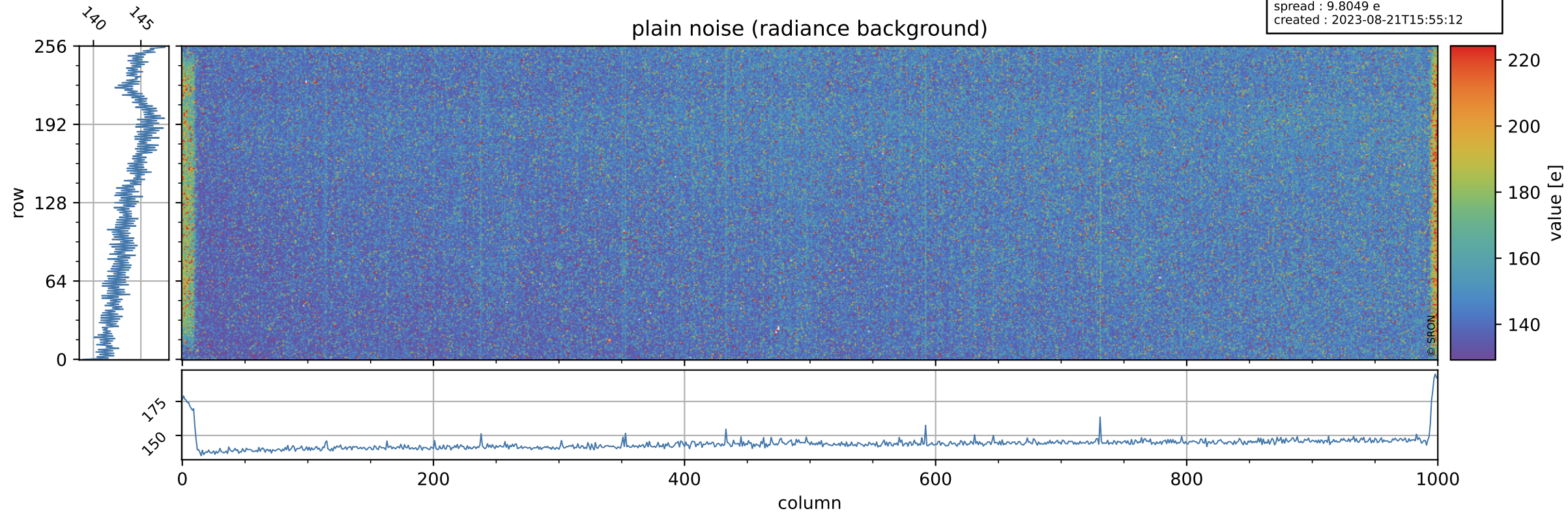
orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.794 e  
created : 2023-08-21T15:55:12



# Tropomi SWIR background noise (swir)

orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.8049 e  
created : 2023-08-21T15:55:12

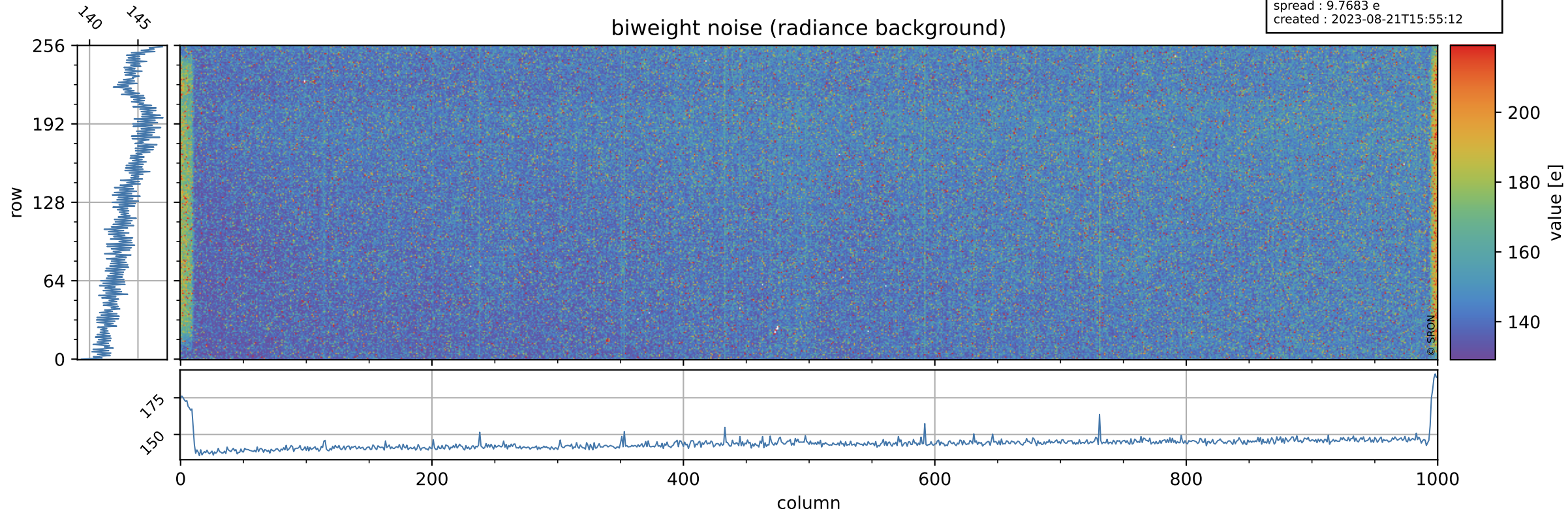
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.7683 e  
created : 2023-08-21T15:55:12

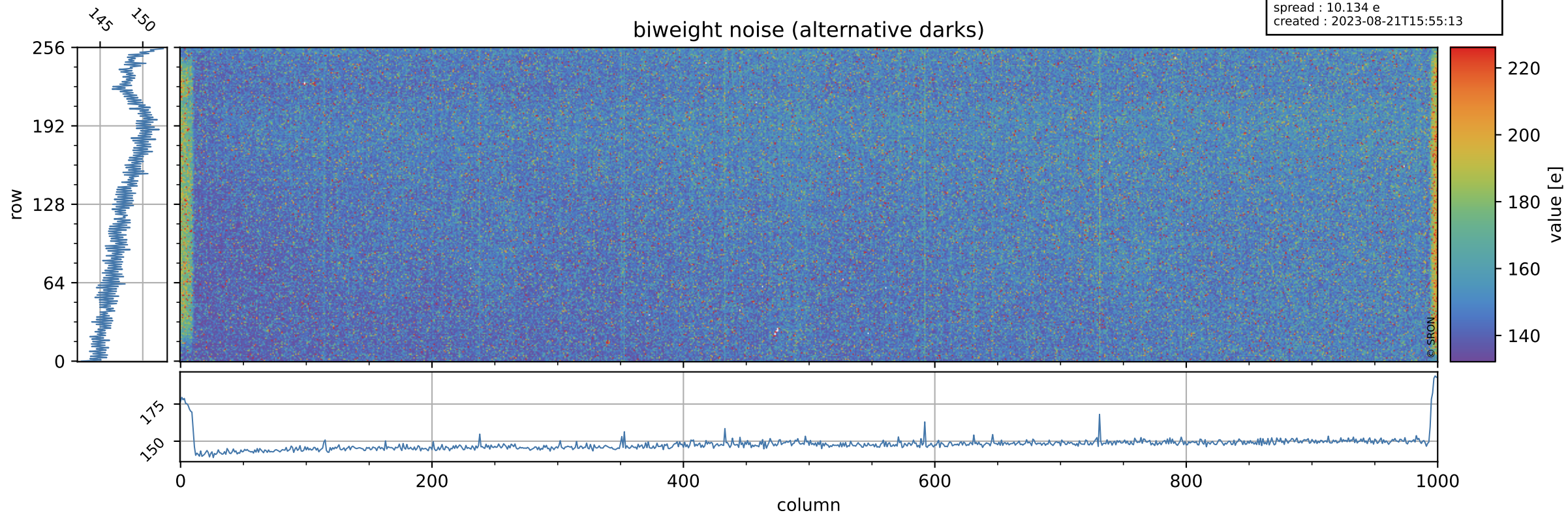
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.134 e  
created : 2023-08-21T15:55:13

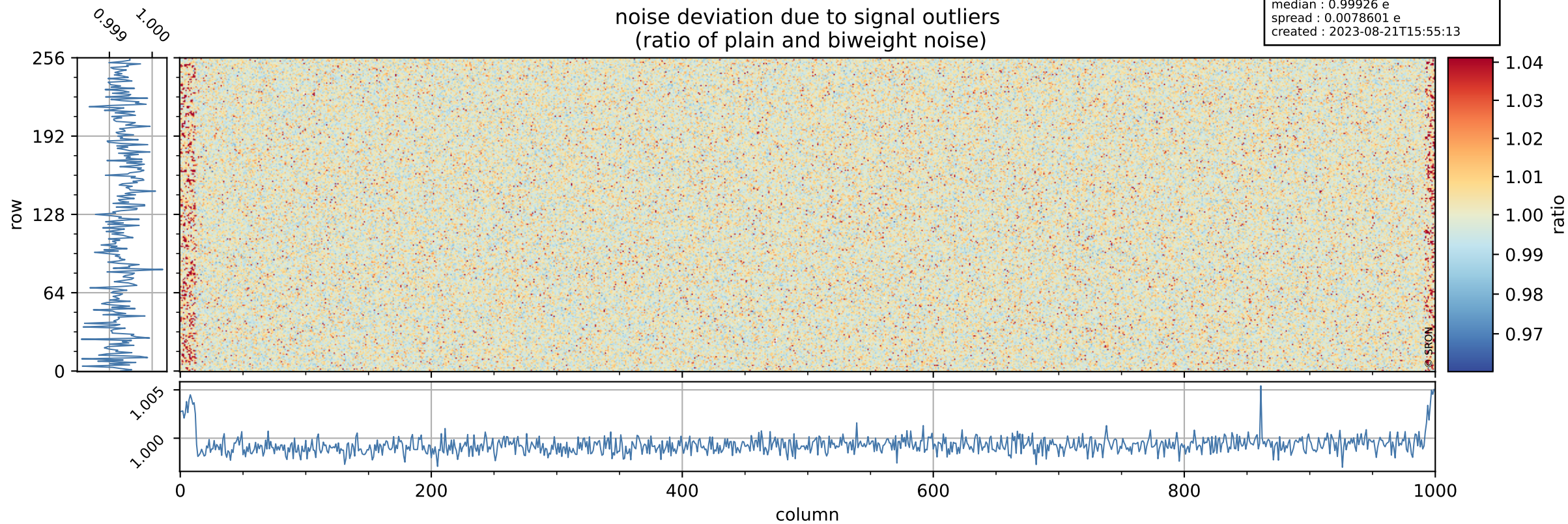
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

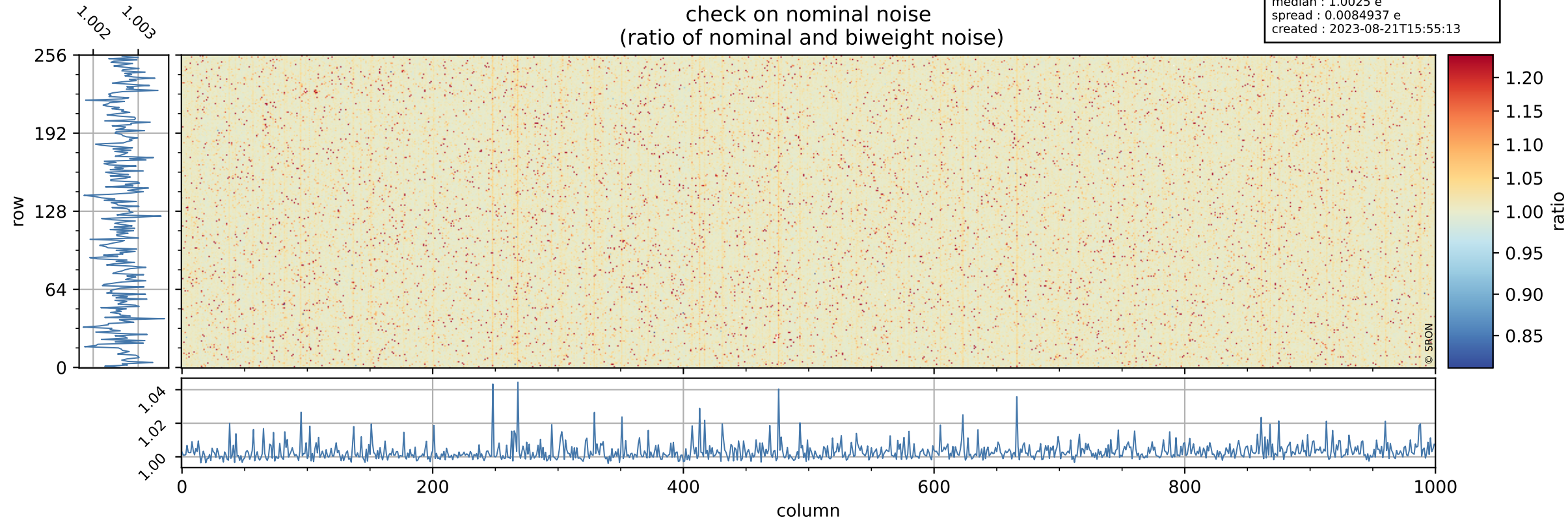
orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
median : 0.99926 e  
spread : 0.0078601 e  
created : 2023-08-21T15:55:13



# Tropomi SWIR background noise (swir)

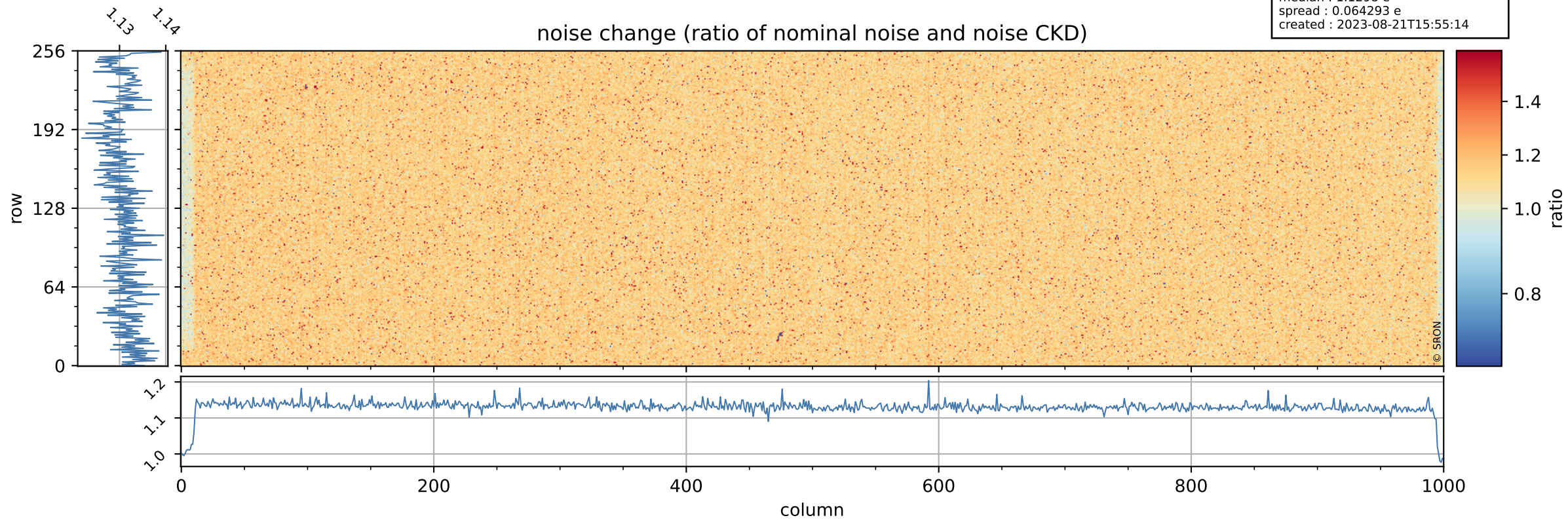
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
median : 1.0025 e  
spread : 0.0084937 e  
created : 2023-08-21T15:55:13



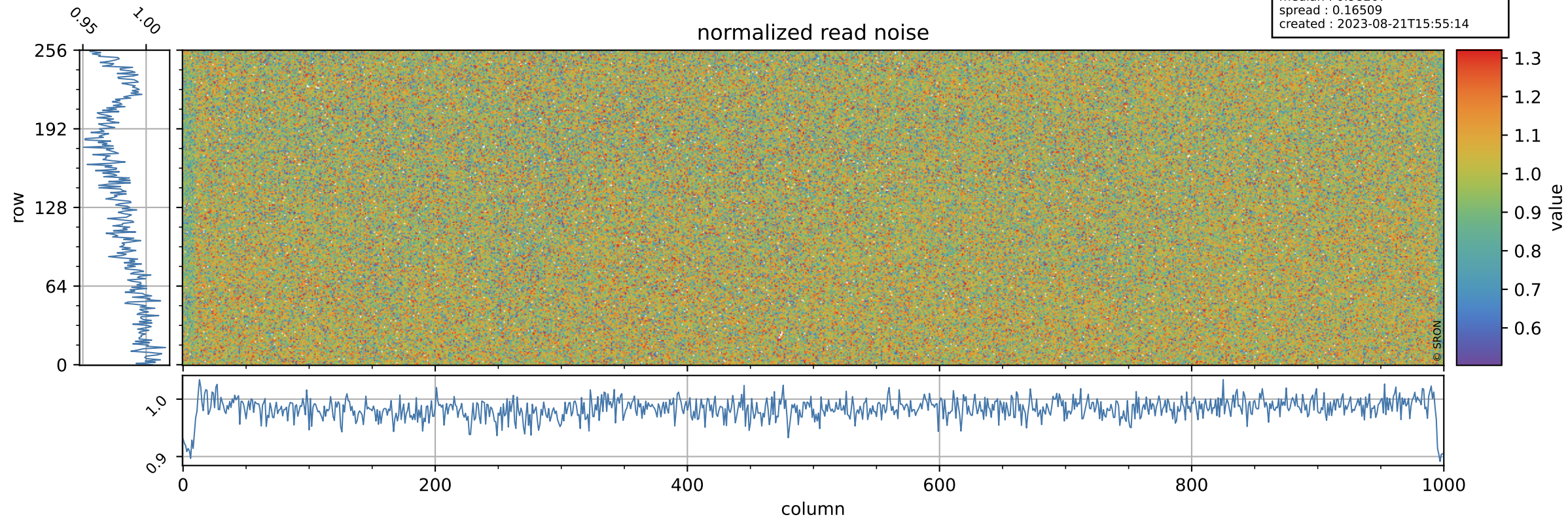
# Tropomi SWIR background noise (swir)

orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
median : 1.1298 e  
spread : 0.064293 e  
created : 2023-08-21T15:55:14



# Tropomi SWIR background noise (swir)

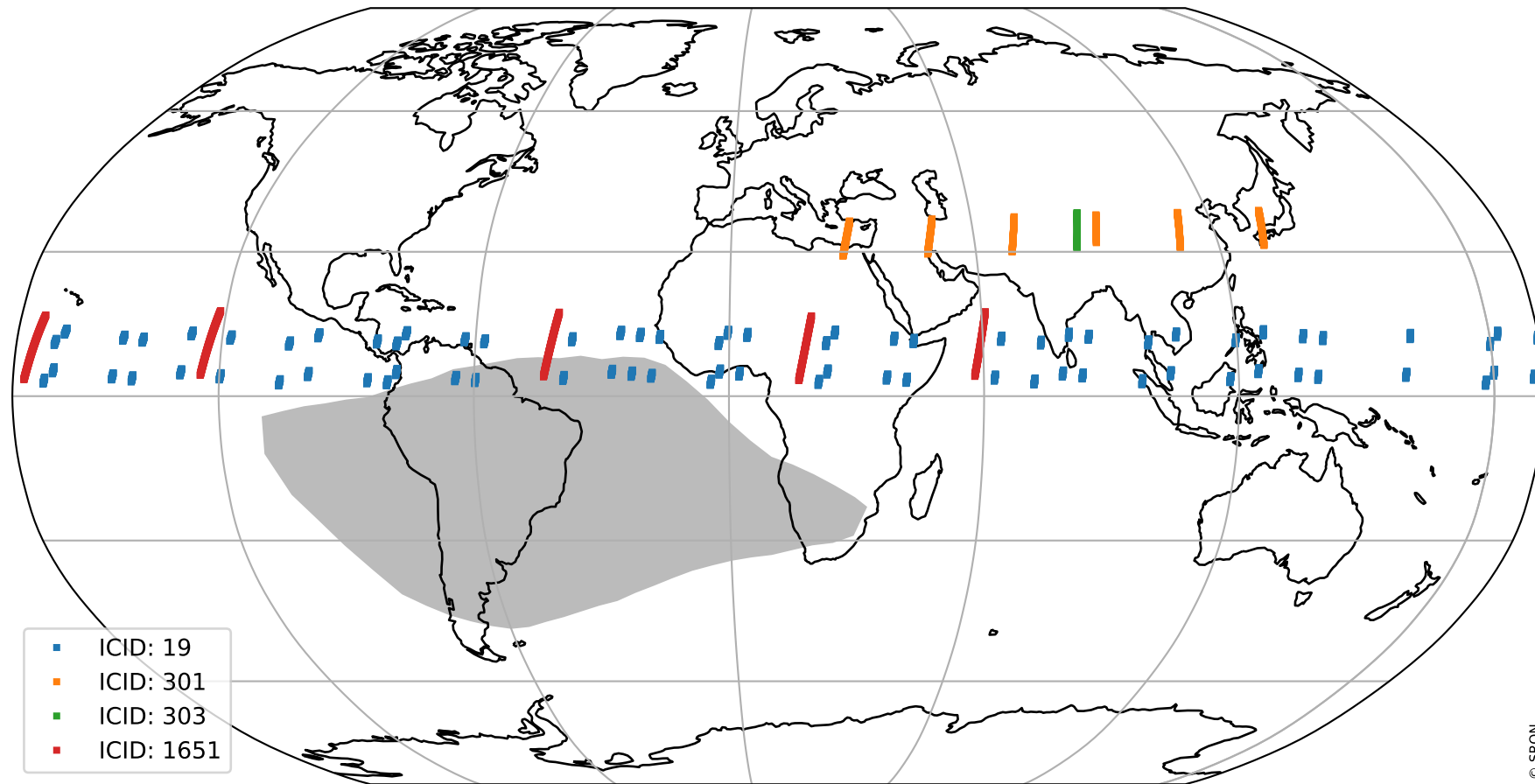
orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
median : 0.98207  
spread : 0.16509  
created : 2023-08-21T15:55:14





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

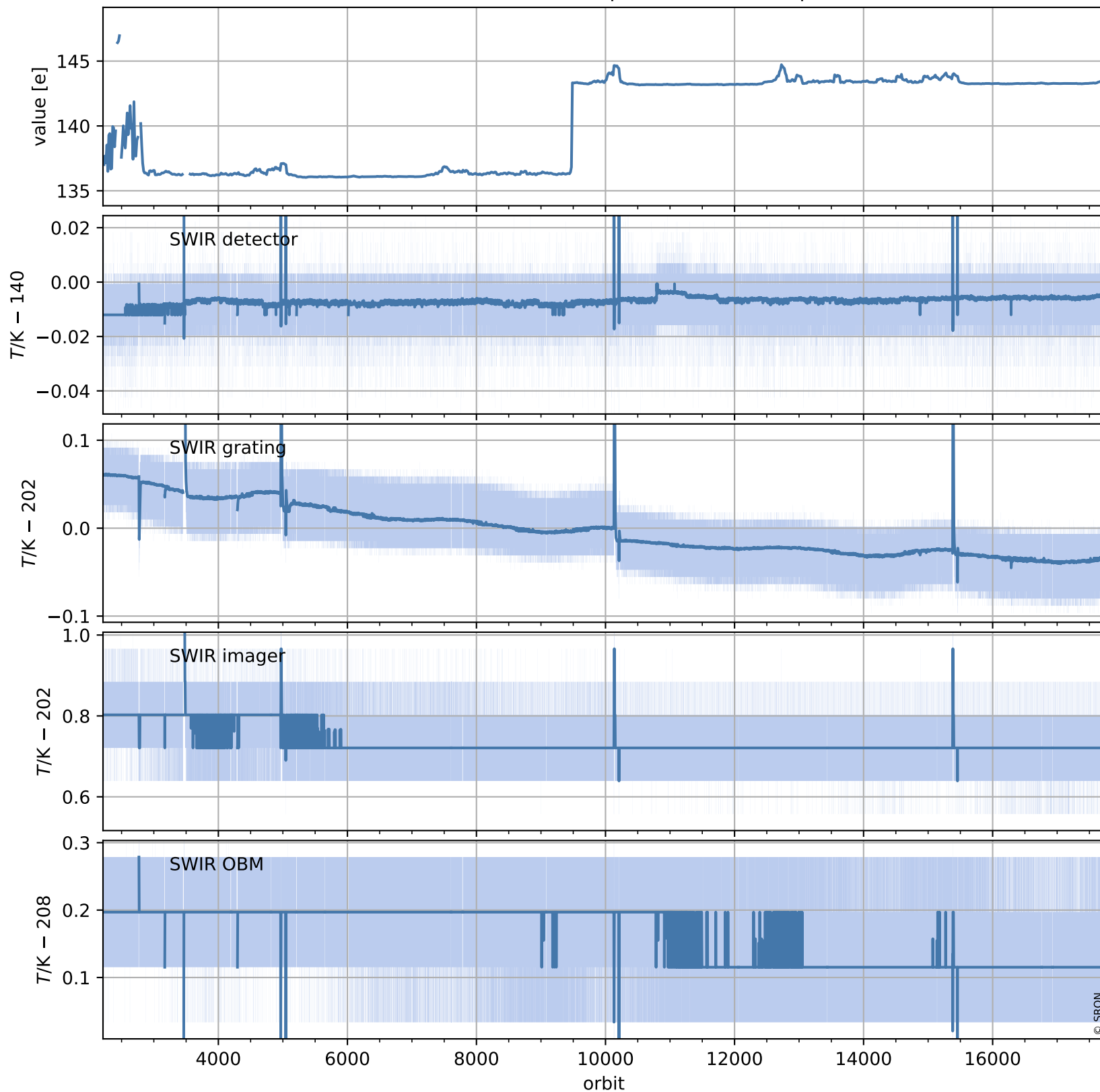
orbits : 12 in [17662, 17737]  
coverage : 2021-03-10 / 2021-03-16  
created : 2023-08-21T15:55:14



# Tropomi SWIR background noise (swir)

orbits : [2212, 17737]  
coverage : 2018-03-18 / 2021-03-16  
created : 2023-08-21T15:55:15

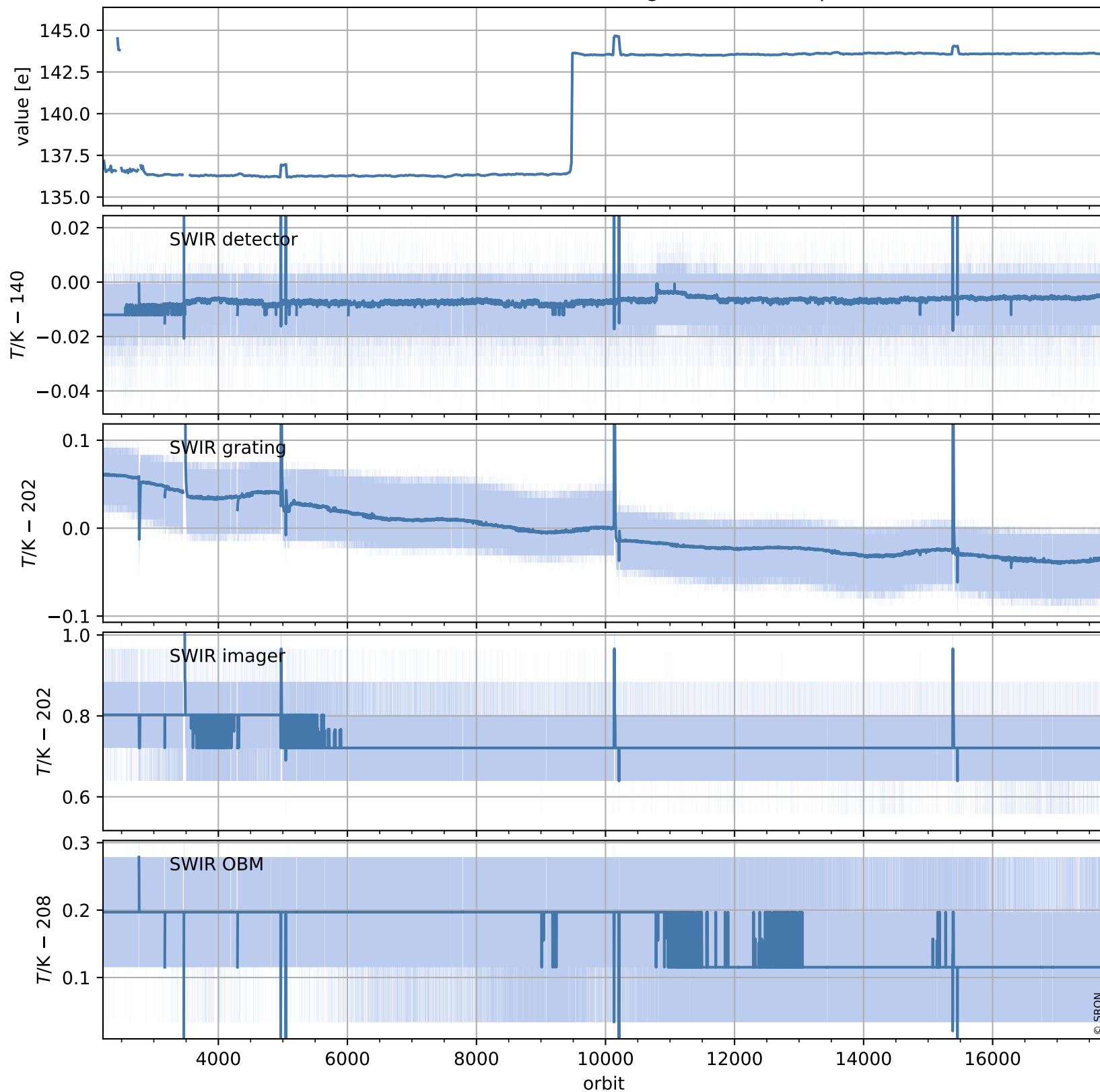
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17737]  
coverage : 2018-03-18 / 2021-03-16  
created : 2023-08-21T15:55:15

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17737]  
coverage : 2018-03-18 / 2021-03-16  
created : 2023-08-21T15:55:16

## trend of normalized read-noise & temperatures

