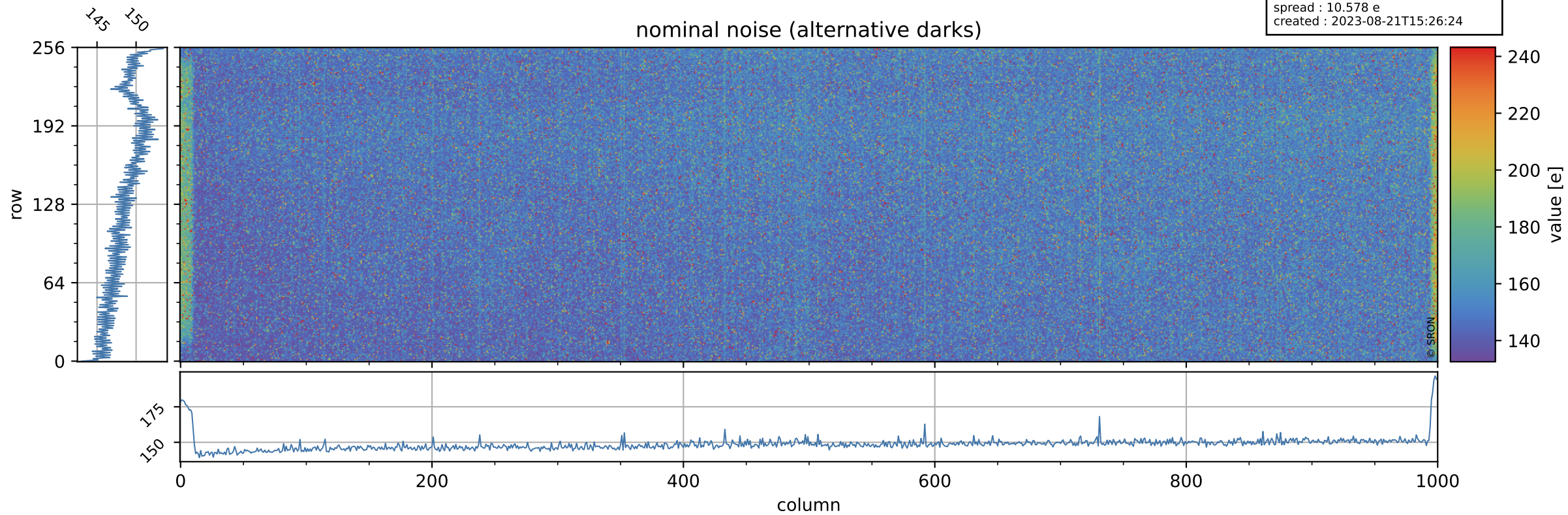


# Tropomi SWIR background noise (swir)

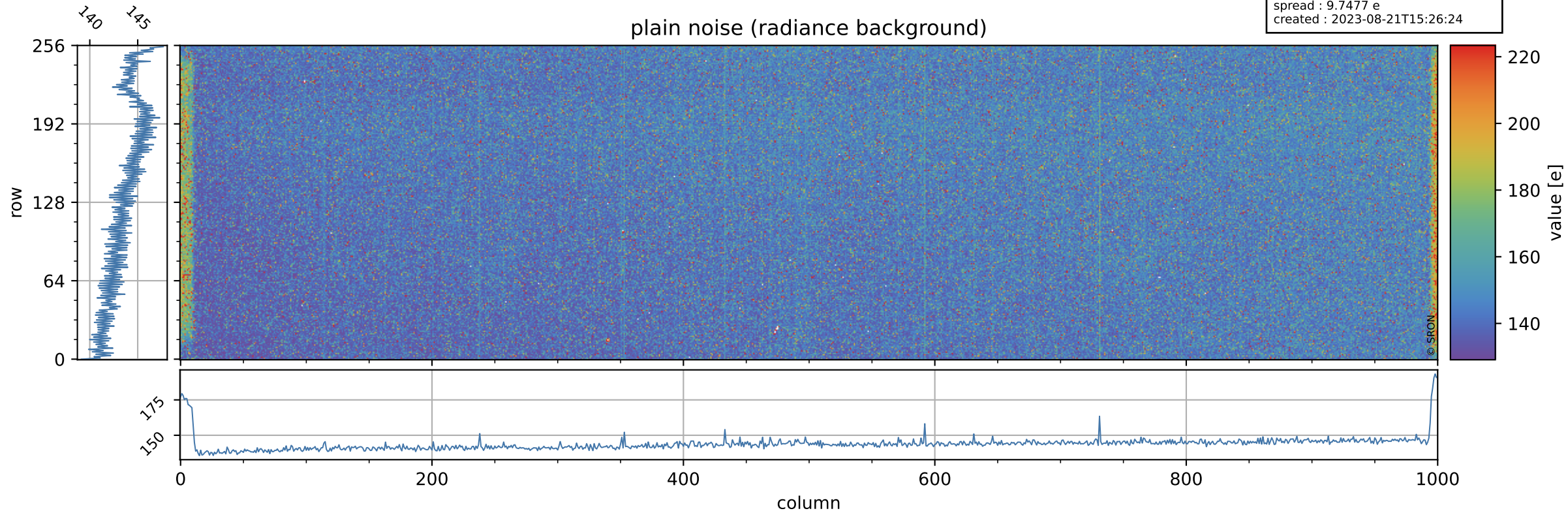
orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.48 e  
spread : 10.578 e  
created : 2023-08-21T15:26:24



# Tropomi SWIR background noise (swir)

orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.56 e  
spread : 9.7477 e  
created : 2023-08-21T15:26:24

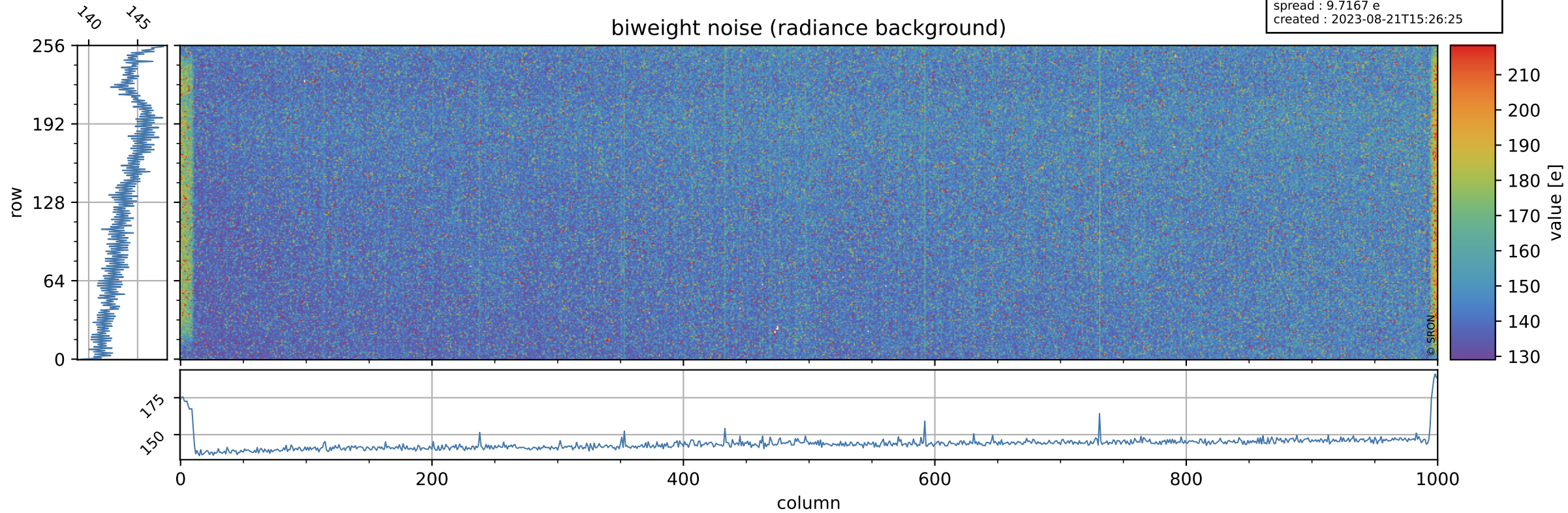
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.7167 e  
created : 2023-08-21T15:26:25

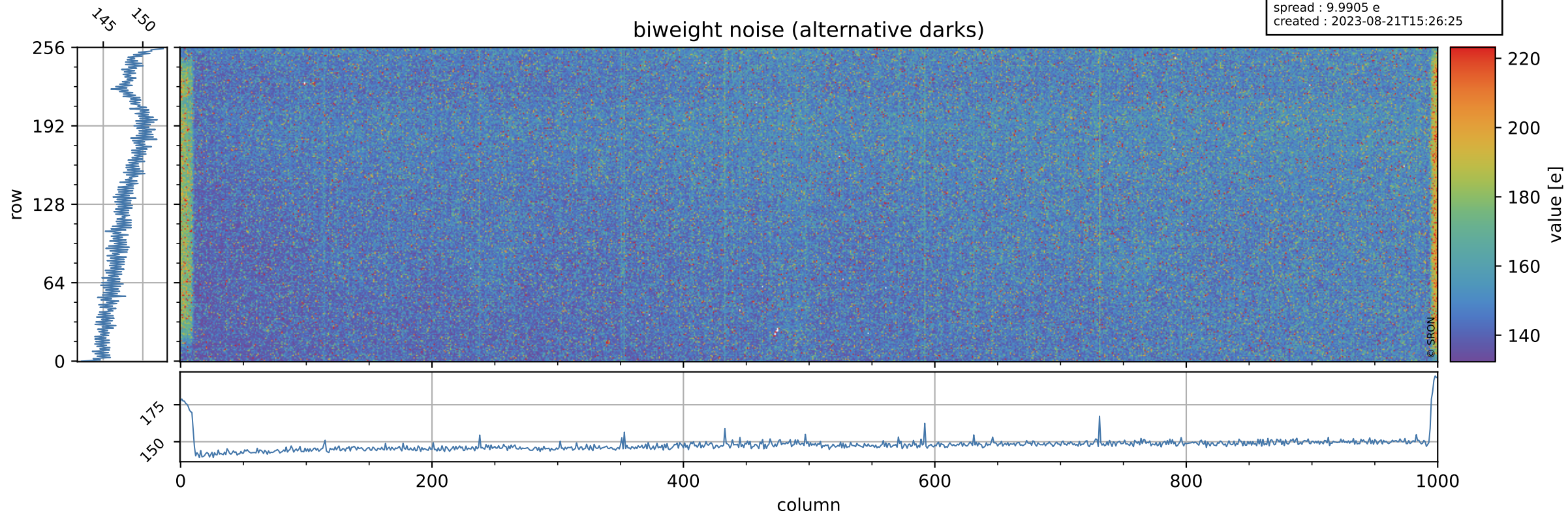
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 9.9905 e  
created : 2023-08-21T15:26:25

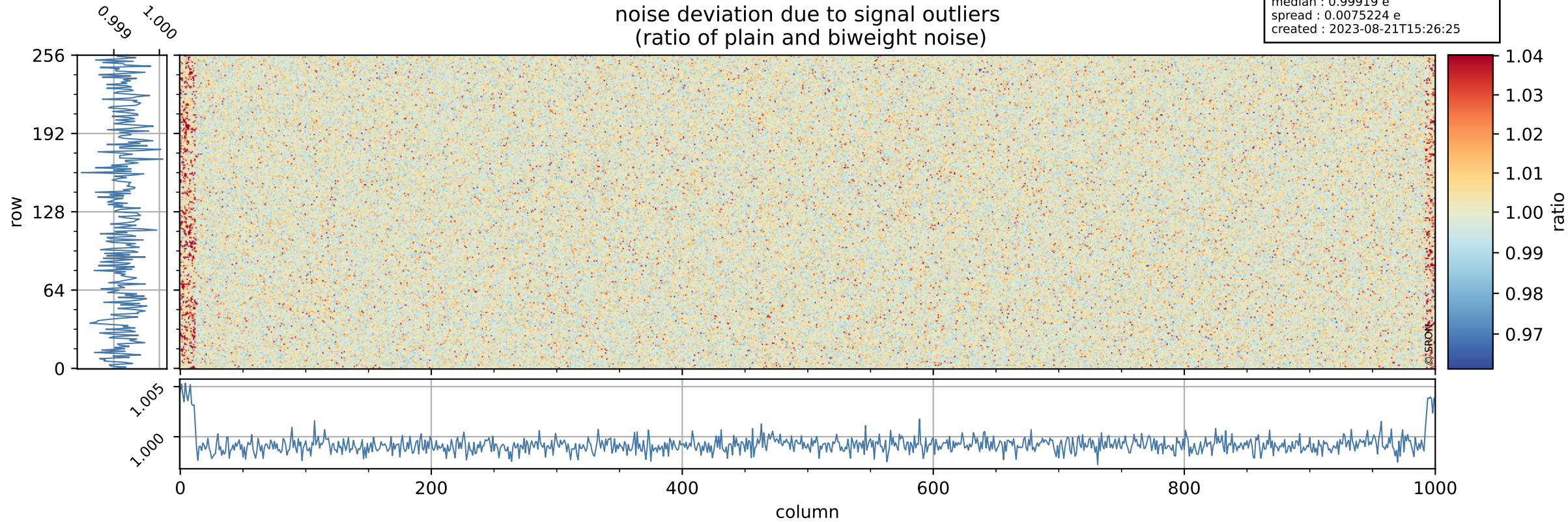
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

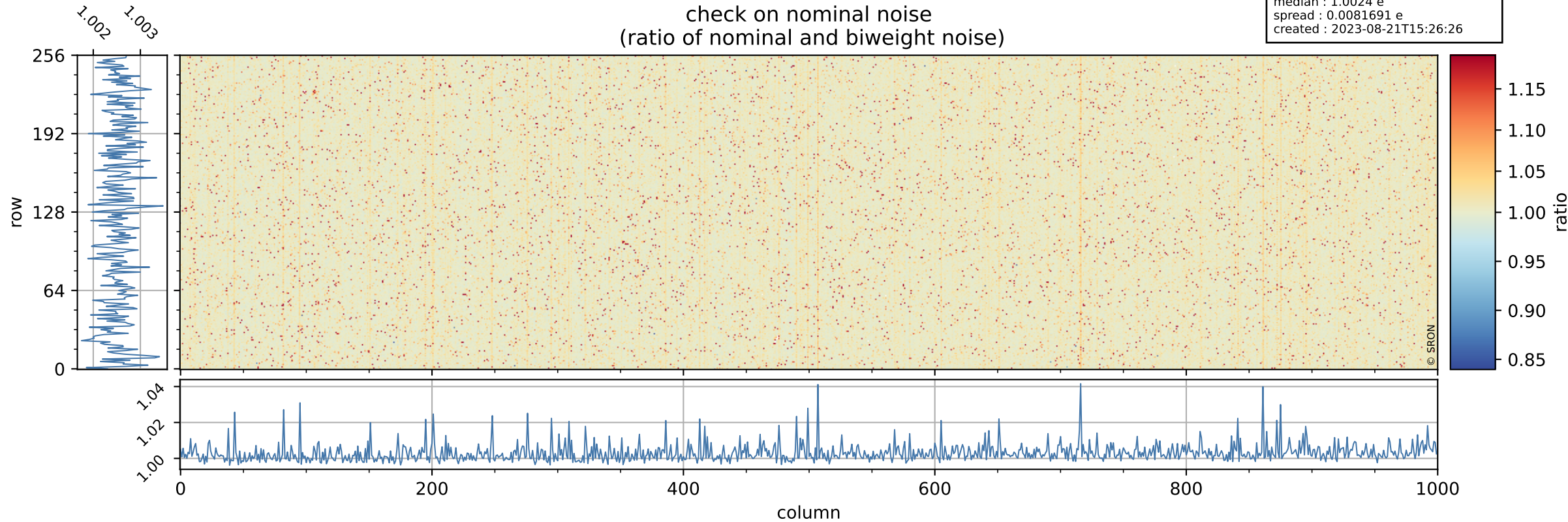
orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
median : 0.99919 e  
spread : 0.0075224 e  
created : 2023-08-21T15:26:25



# Tropomi SWIR background noise (swir)

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

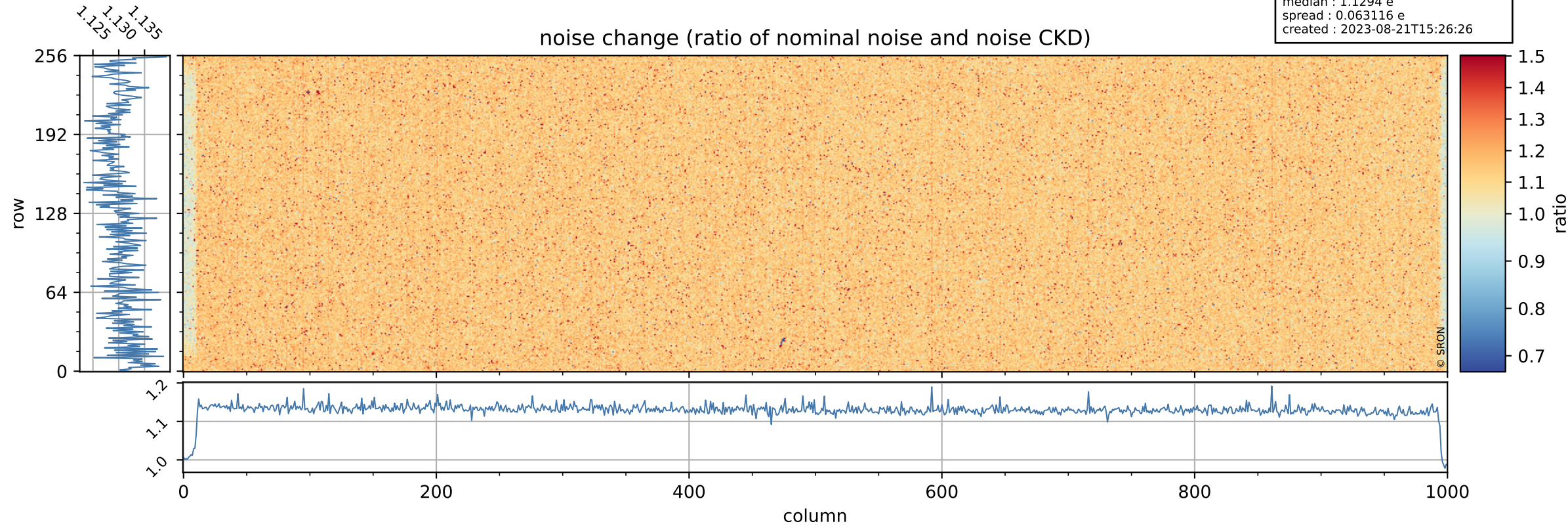
orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
median : 1.0024 e  
spread : 0.0081691 e  
created : 2023-08-21T15:26:26



# Tropomi SWIR background noise (swir)

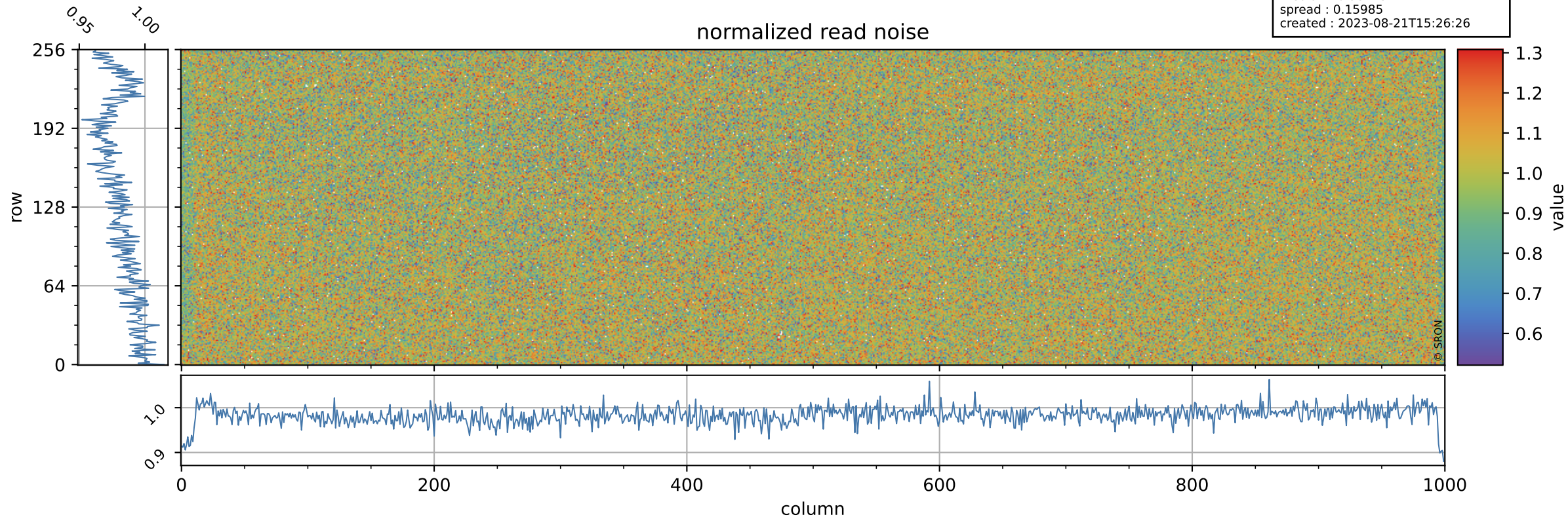
orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
median : 1.1294 e  
spread : 0.063116 e  
created : 2023-08-21T15:26:26

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

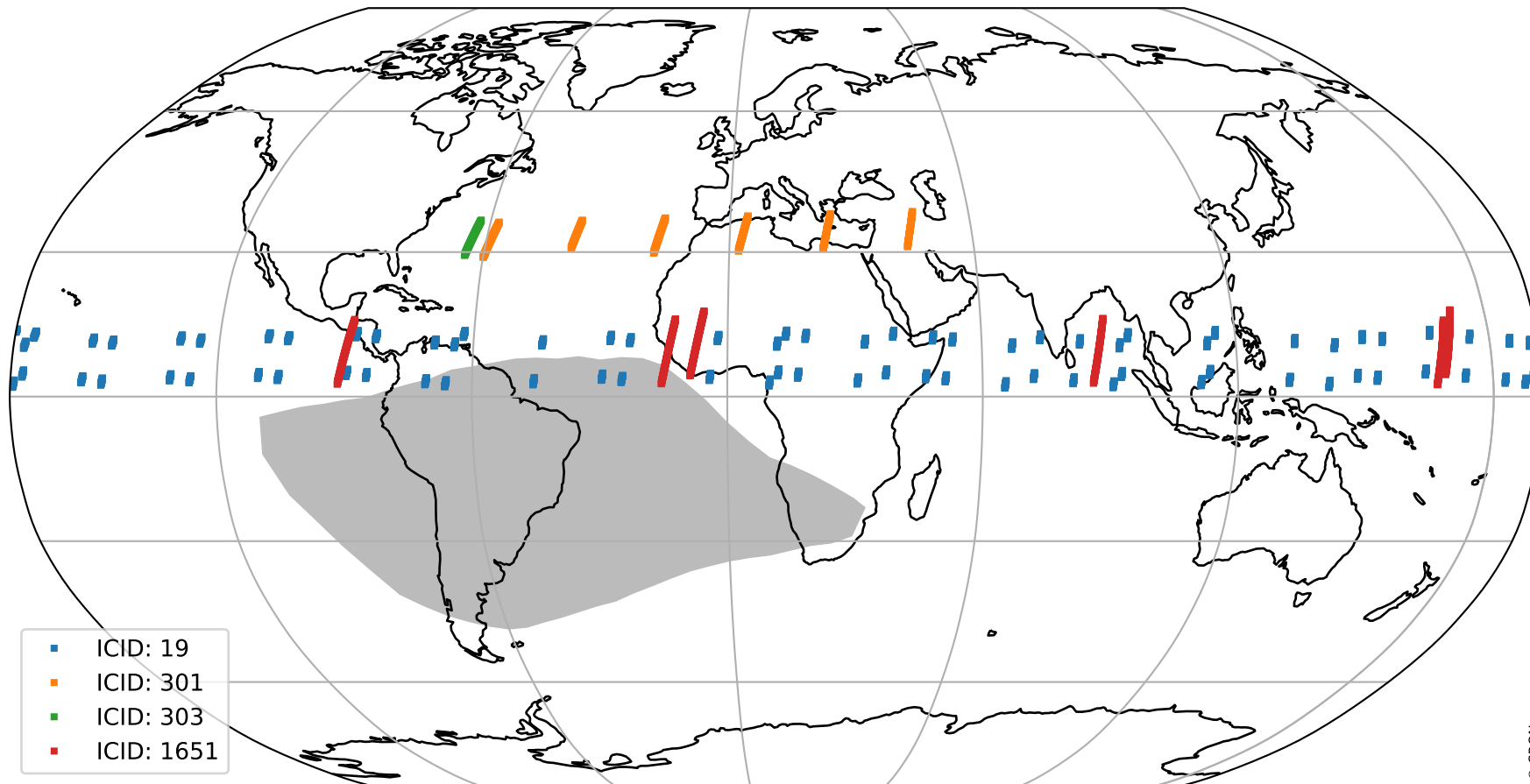
orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
median : 0.98145  
spread : 0.15985  
created : 2023-08-21T15:26:26





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

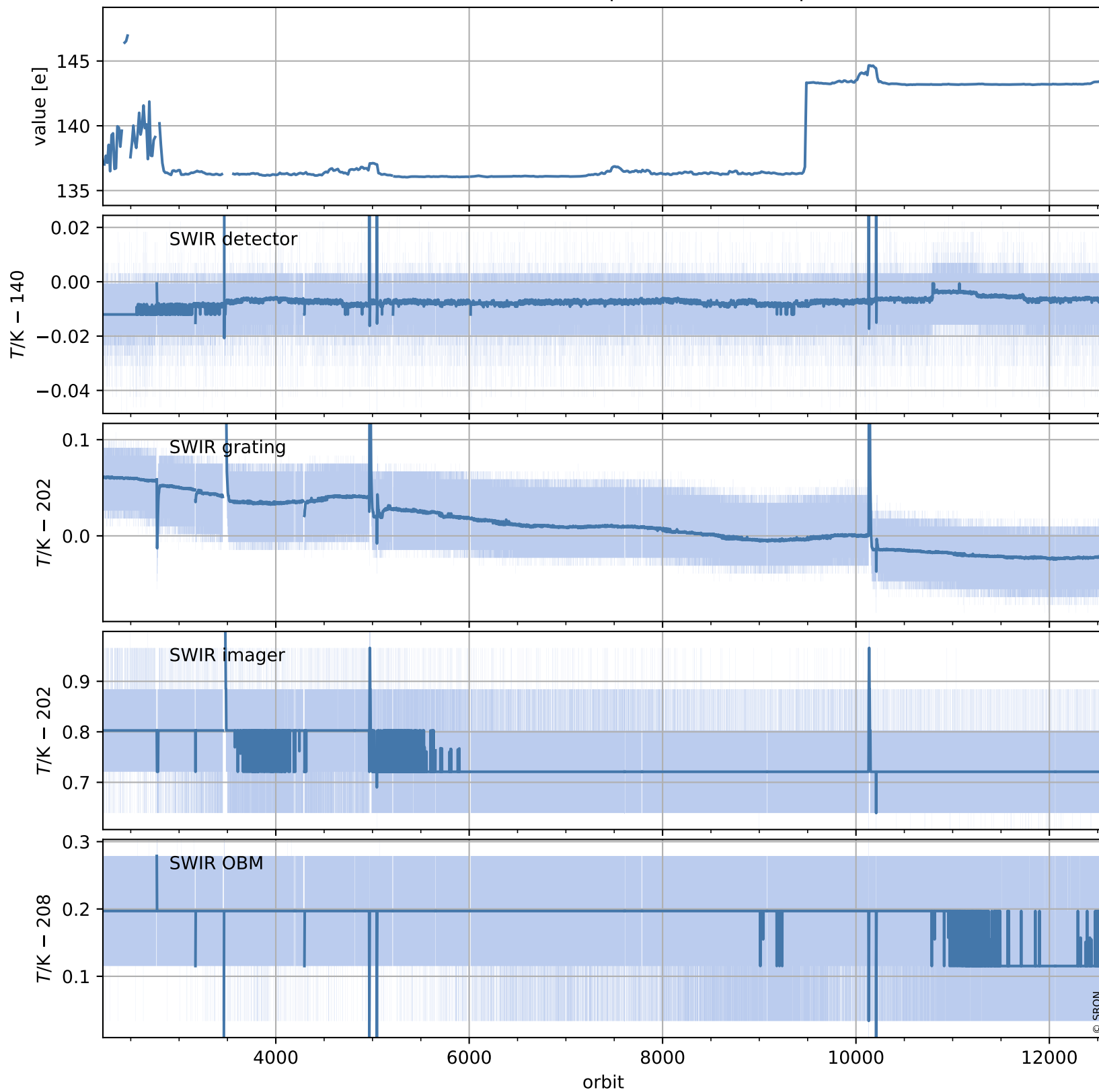
orbits : 13 in [12472, 12562]  
coverage : 2020-03-10 / 2020-03-16  
created : 2023-08-21T15:26:27



# Tropomi SWIR background noise (swir)

orbits : [2212, 12562]  
coverage : 2018-03-18 / 2020-03-16  
created : 2023-08-21T15:26:27

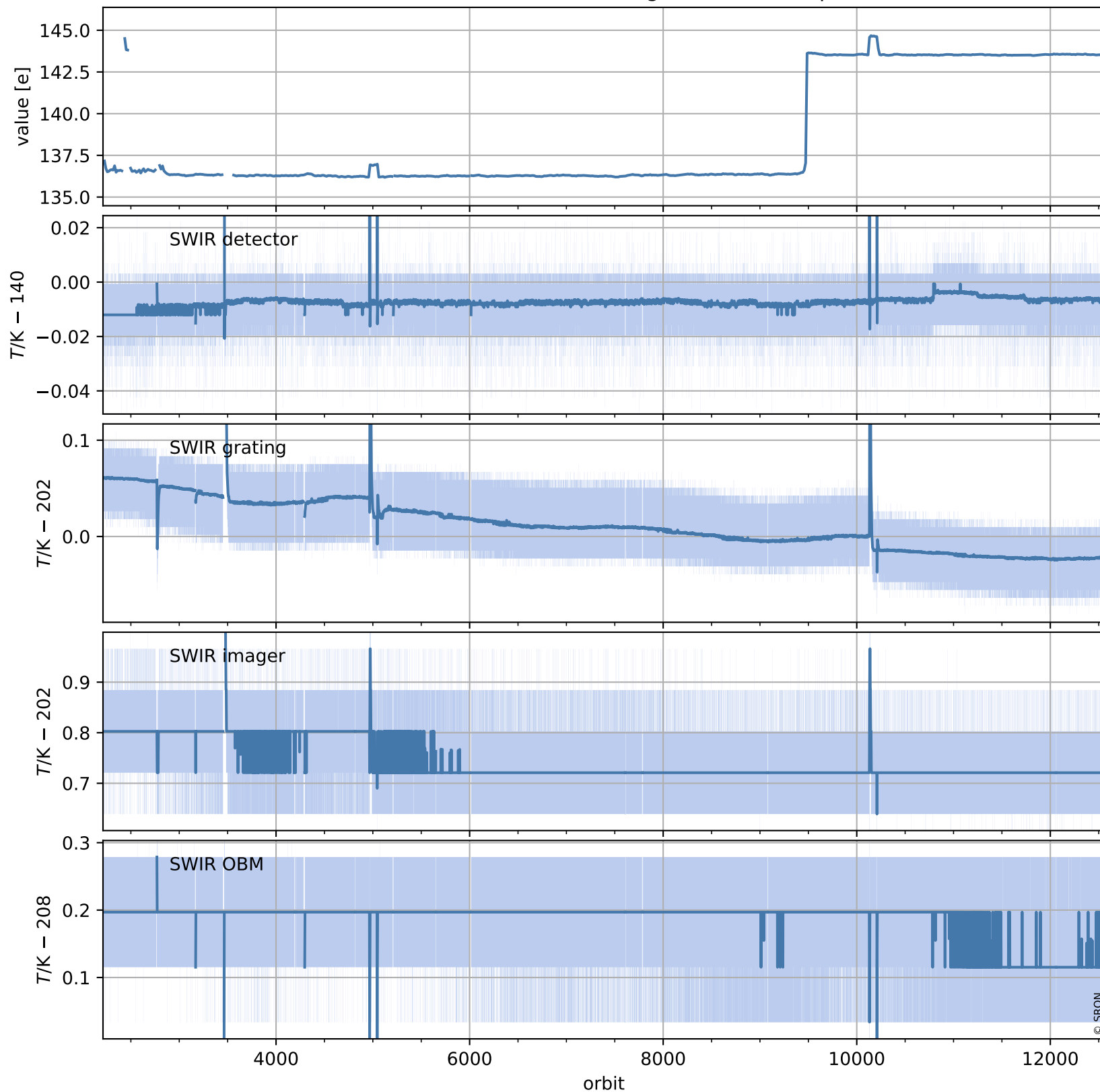
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12562]  
coverage : 2018-03-18 / 2020-03-16  
created : 2023-08-21T15:26:28

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12562]  
coverage : 2018-03-18 / 2020-03-16  
created : 2023-08-21T15:26:28

## trend of normalized read-noise & temperatures

