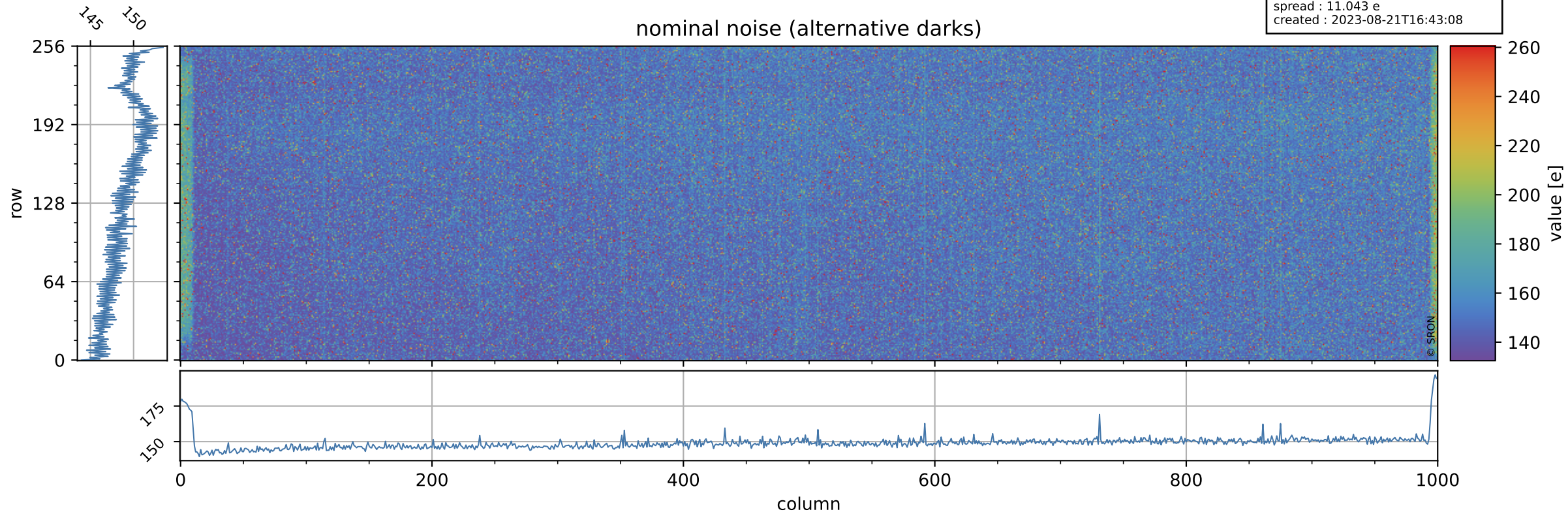


# Tropomi SWIR background noise (swir)

orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.79 e  
spread : 11.043 e  
created : 2023-08-21T16:43:08

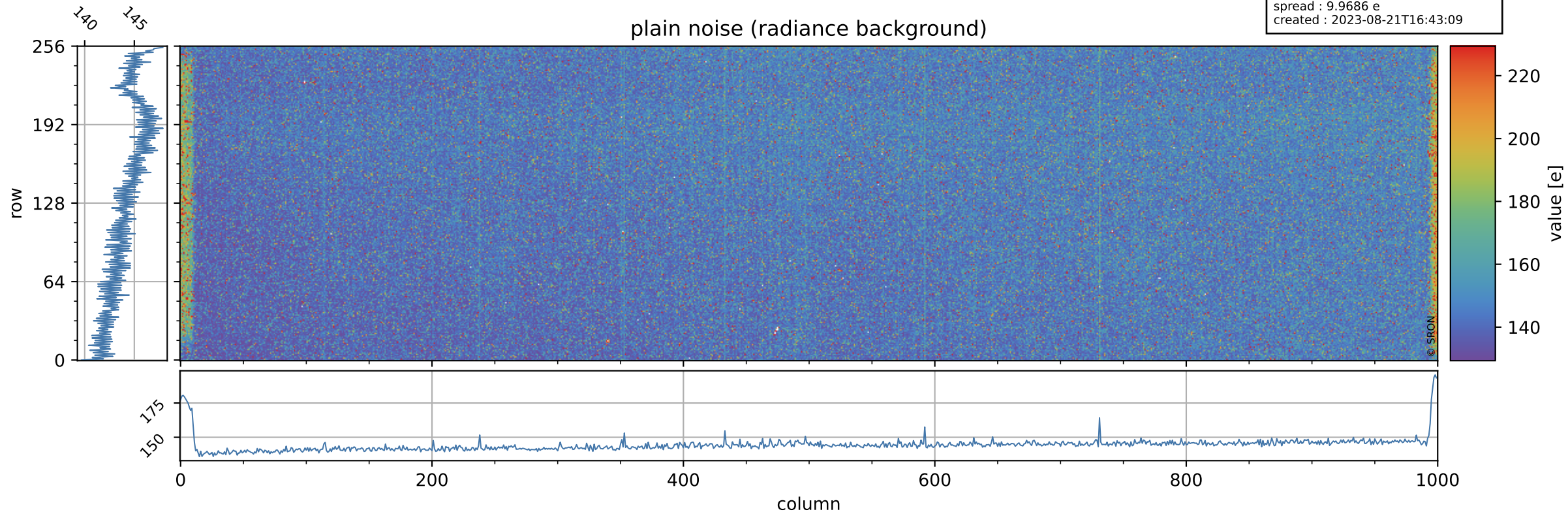
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
n\_coad, t\_exp : 1, 0.8383  
median : 144.12 e  
spread : 9.9686 e  
created : 2023-08-21T16:43:09

## plain noise (radiance background)

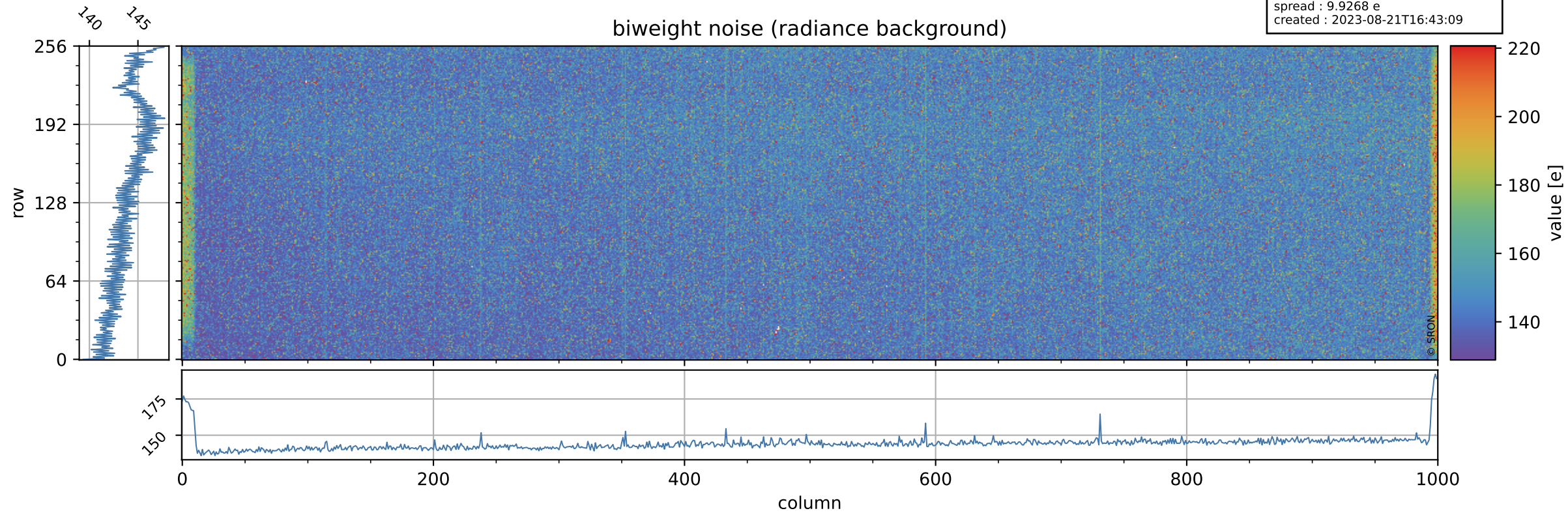




# Tropomi SWIR background noise (swir)

orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.9268 e  
created : 2023-08-21T16:43:09

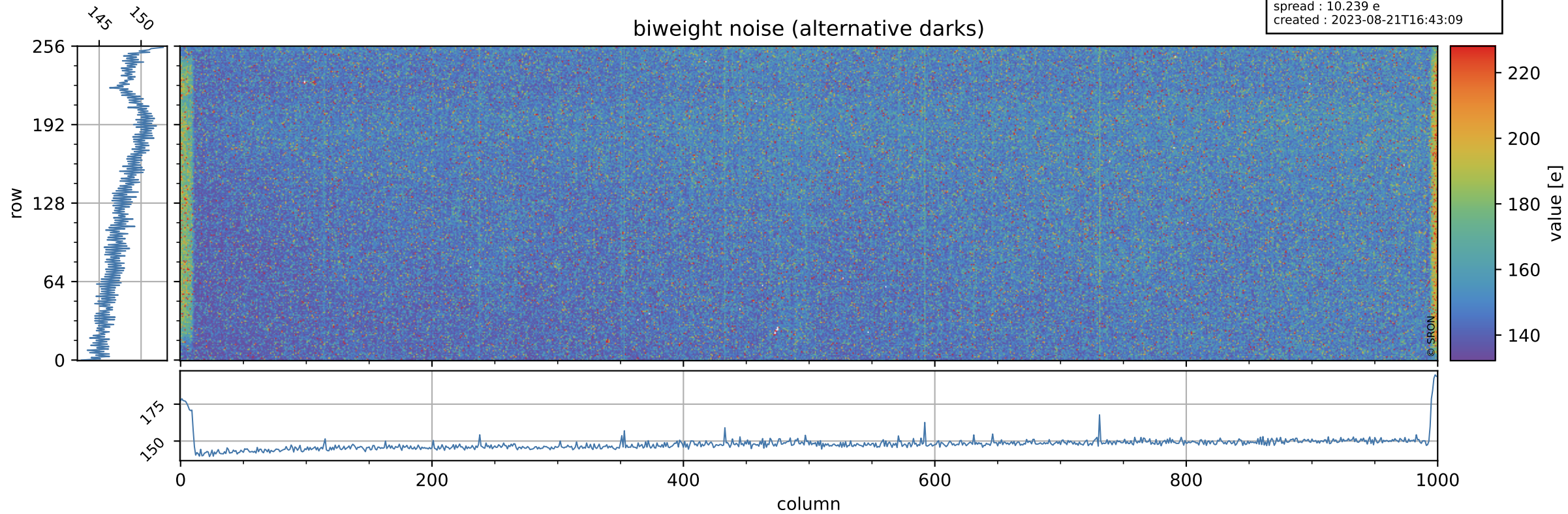
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.239 e  
created : 2023-08-21T16:43:09

## biweight noise (alternative darks)

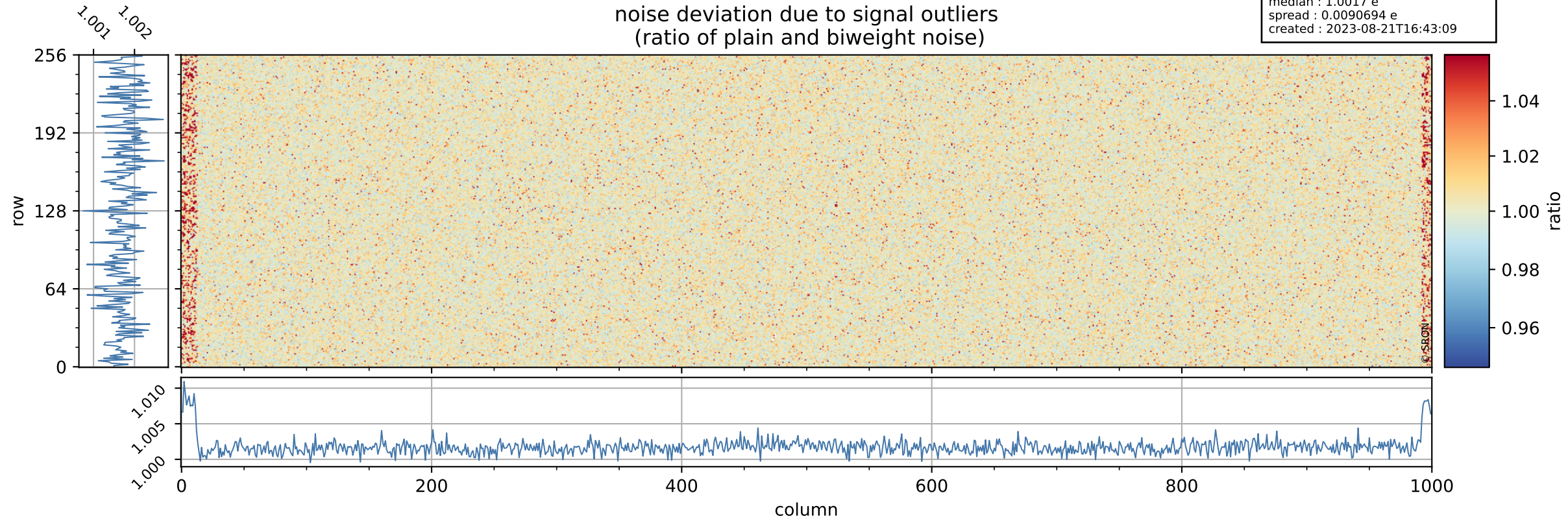




# Tropomi SWIR background noise (swir)

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

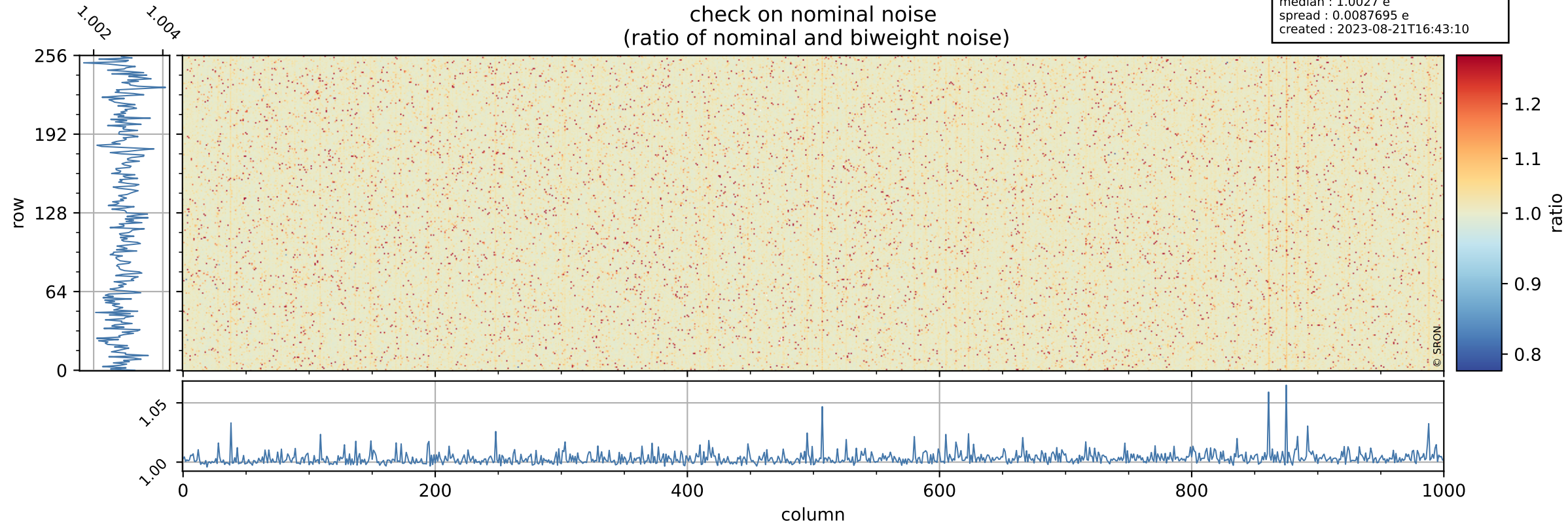
orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
median : 1.0017 e  
spread : 0.0090694 e  
created : 2023-08-21T16:43:09



# Tropomi SWIR background noise (swir)

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

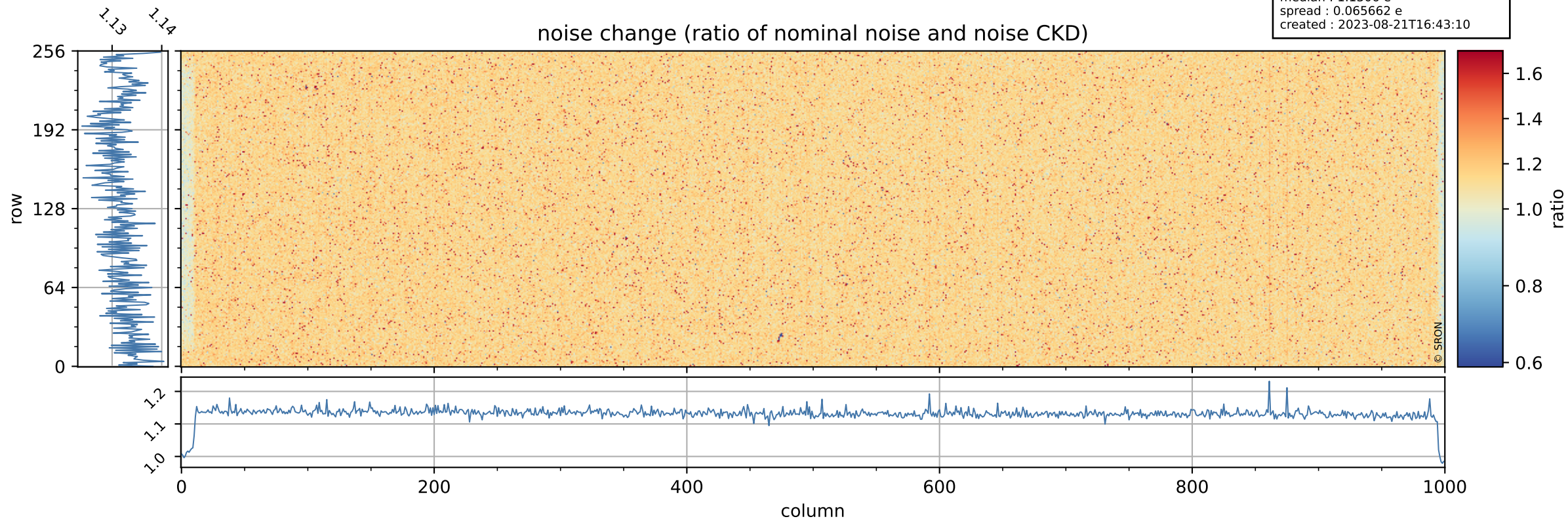
orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
median : 1.0027 e  
spread : 0.0087695 e  
created : 2023-08-21T16:43:10





# Tropomi SWIR background noise (swir)

orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
median : 1.1306 e  
spread : 0.065662 e  
created : 2023-08-21T16:43:10

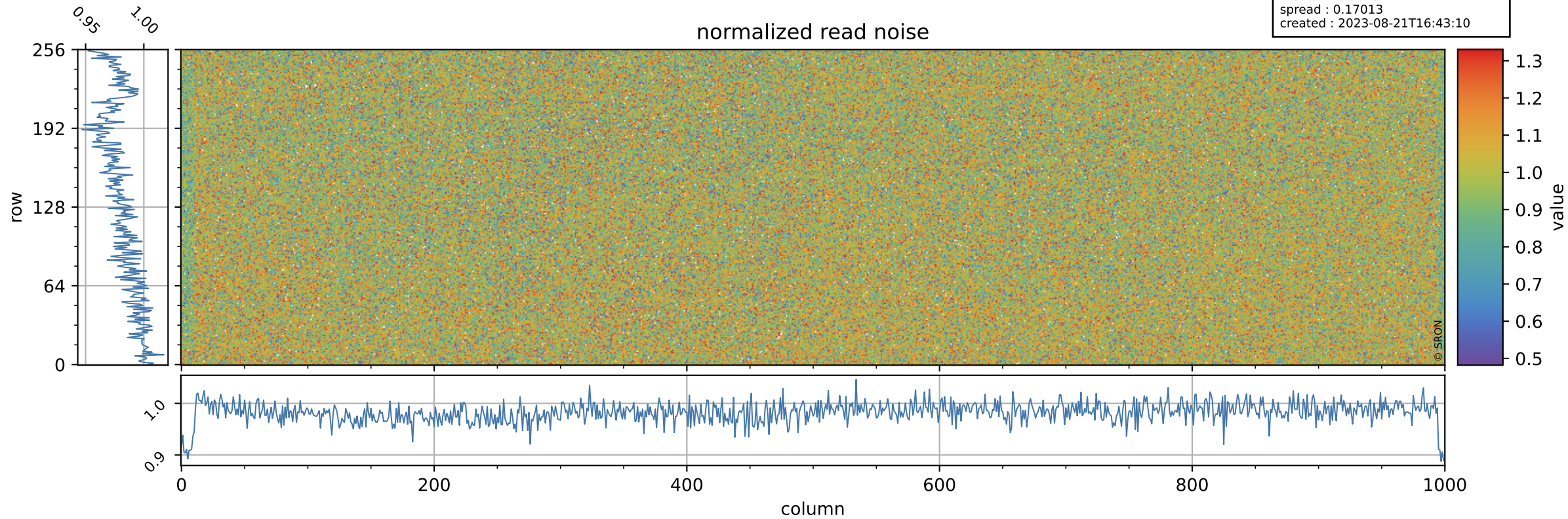




# Tropomi SWIR background noise (swir)

orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
median : 0.98134  
spread : 0.17013  
created : 2023-08-21T16:43:10

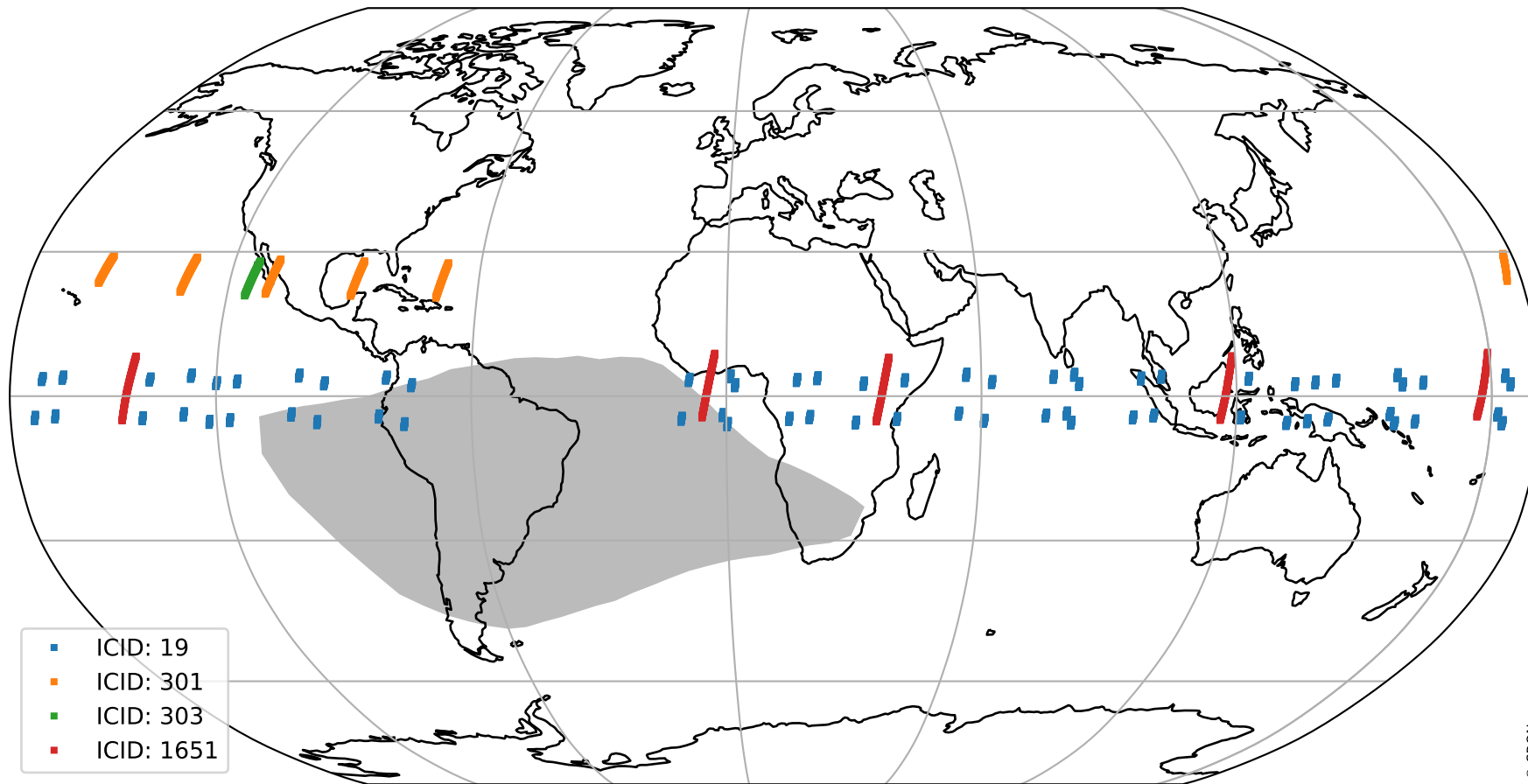
normalized read noise





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

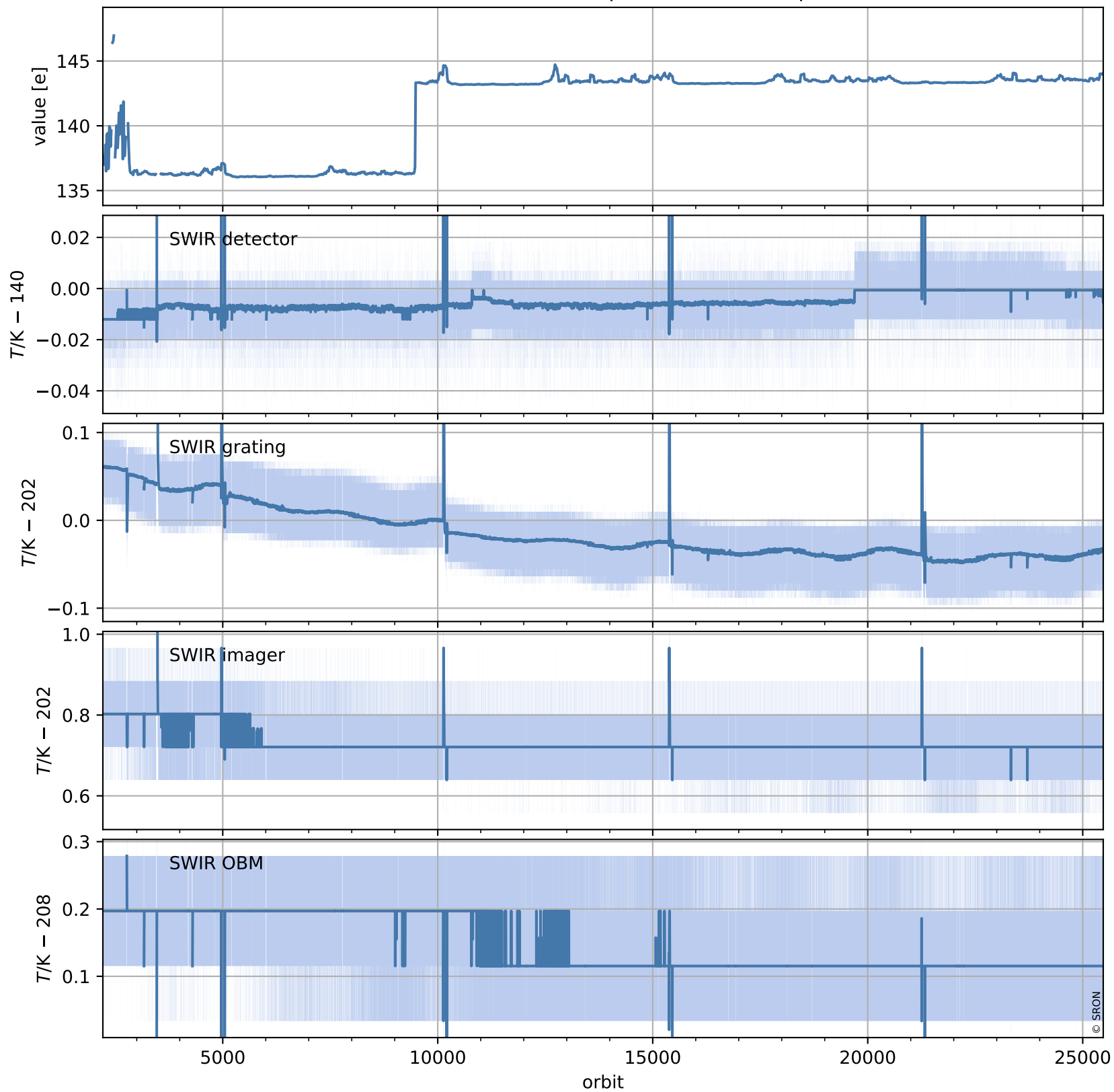
orbits : 12 in [25402, 25477]  
coverage : 2022-09-07 / 2022-09-12  
created : 2023-08-21T16:43:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 25477]  
coverage : 2018-03-18 / 2022-09-12  
created : 2023-08-21T16:43:11

## trend of detector median of plain noise & temperatures

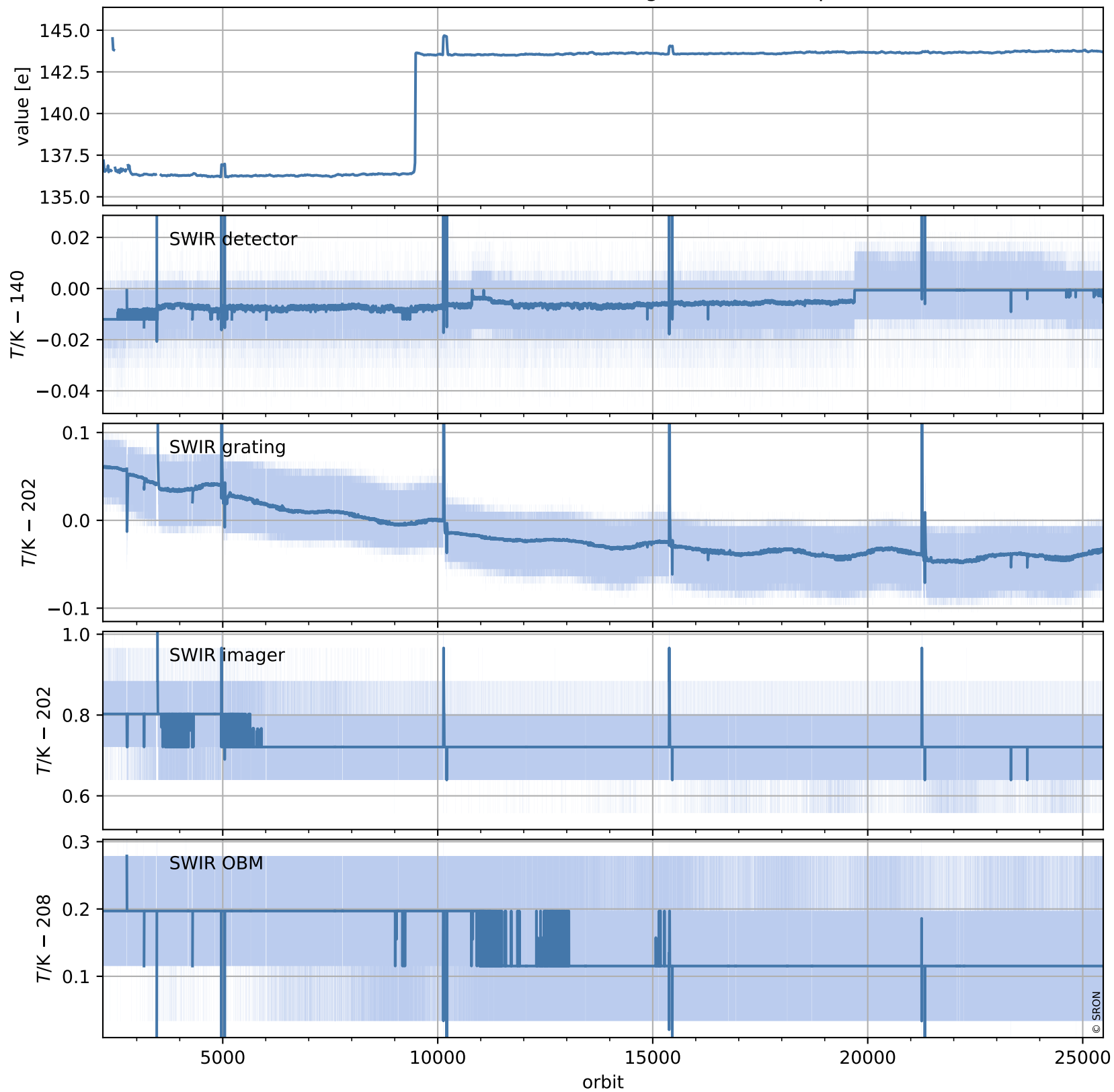




# Tropomi SWIR background noise (swir)

orbits : [2212, 25477]  
coverage : 2018-03-18 / 2022-09-12  
created : 2023-08-21T16:43:12

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25477]  
coverage : 2018-03-18 / 2022-09-12  
created : 2023-08-21T16:43:12

## trend of normalized read-noise & temperatures

