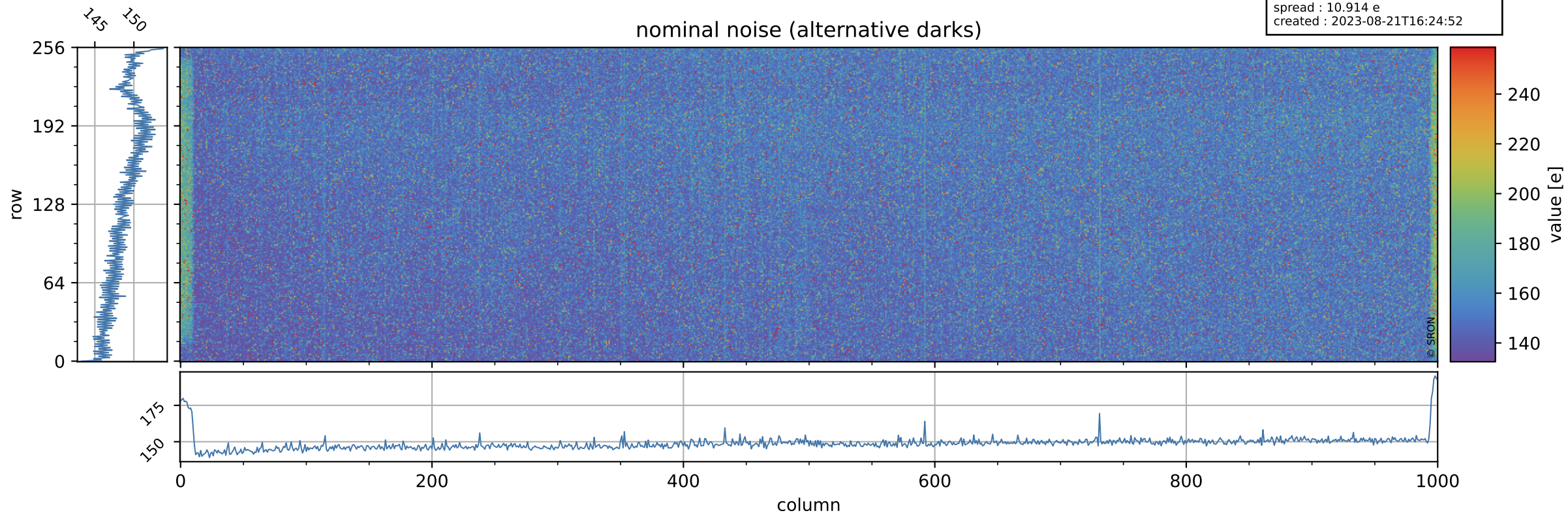


# Tropomi SWIR background noise (swir)

orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.914 e  
created : 2023-08-21T16:24:52

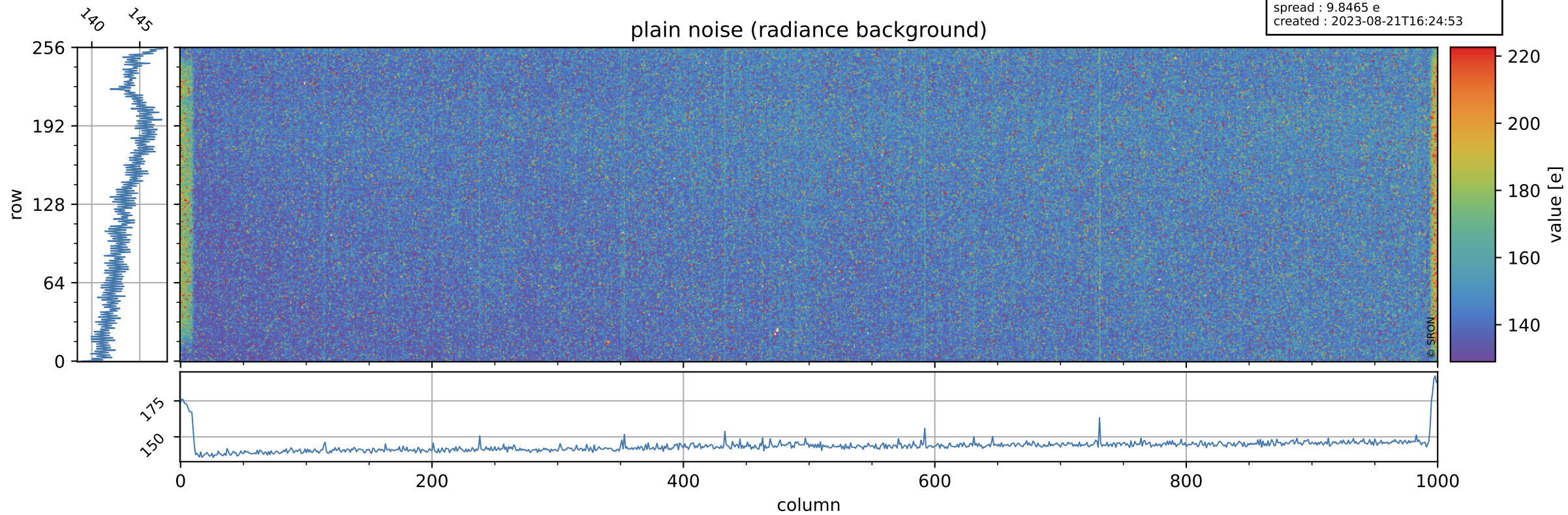
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.5 e  
spread : 9.8465 e  
created : 2023-08-21T16:24:53

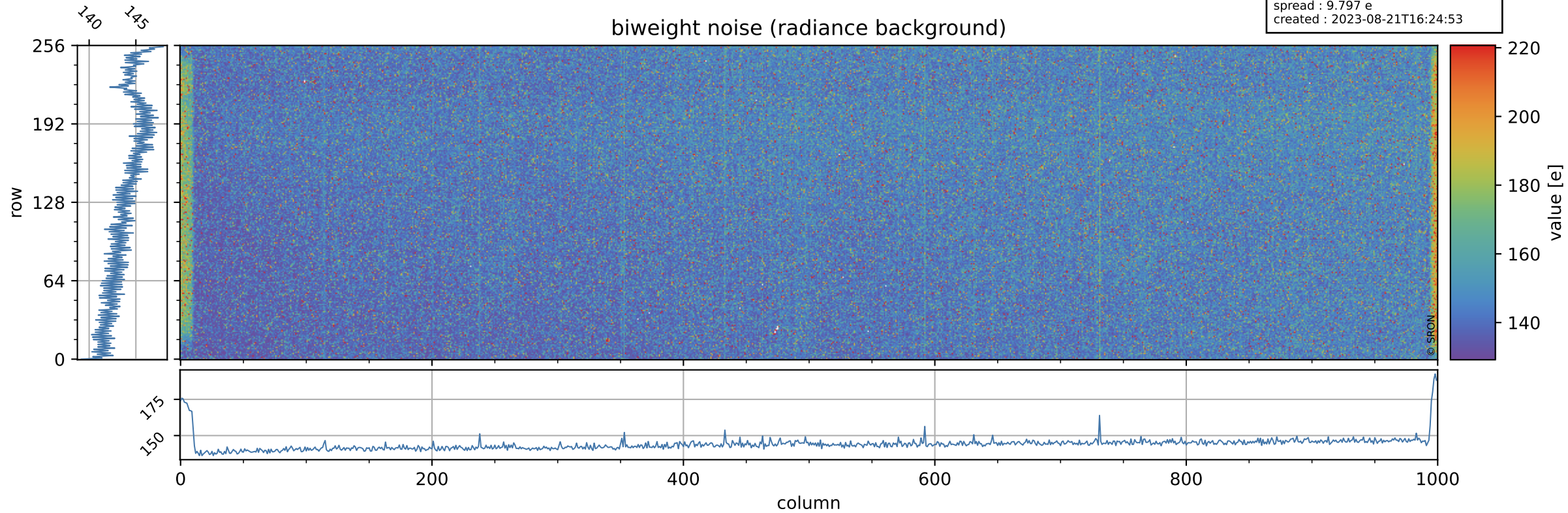
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.797 e  
created : 2023-08-21T16:24:53

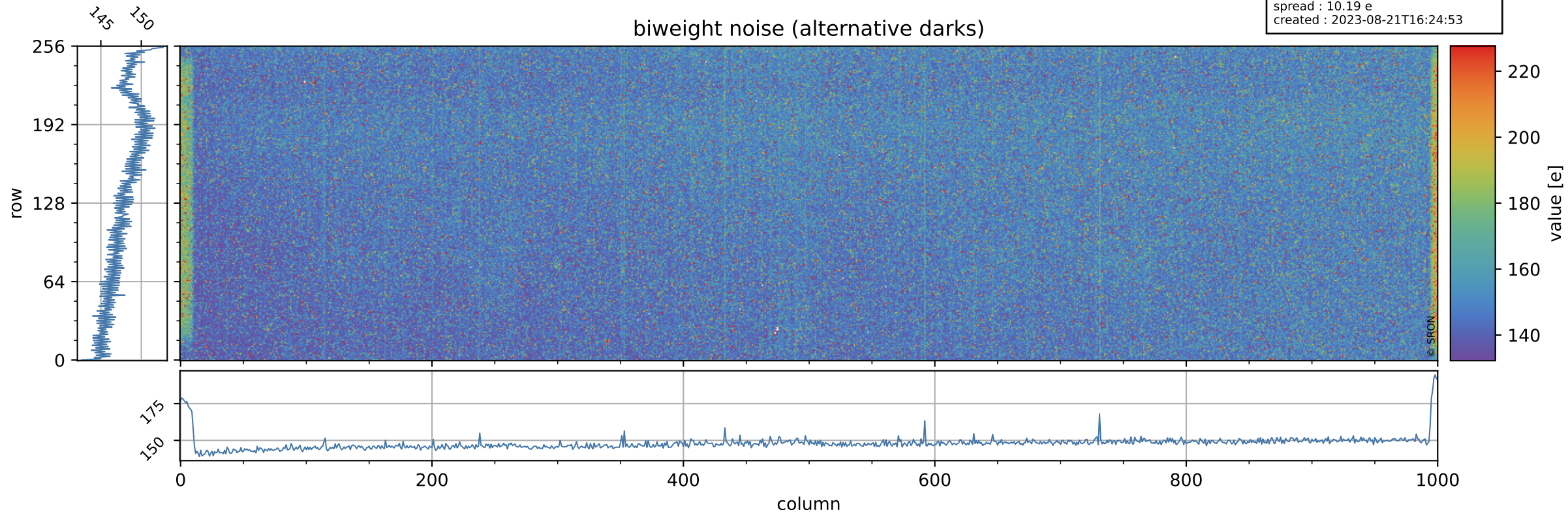
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.19 e  
created : 2023-08-21T16:24:53

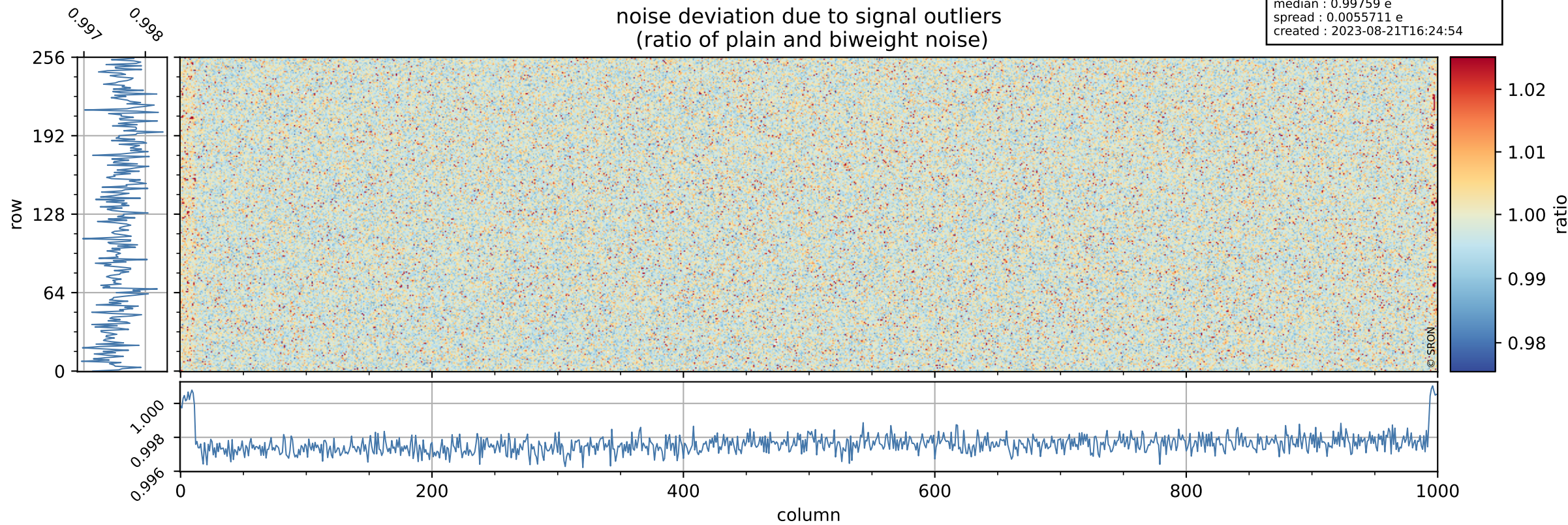
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

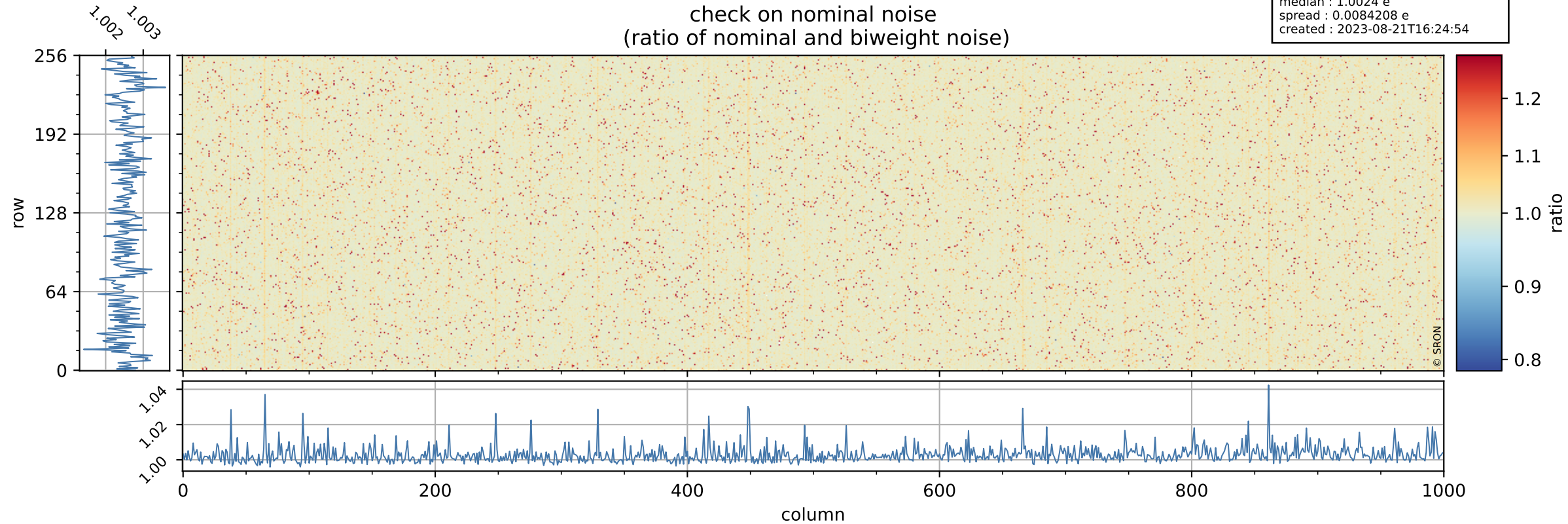
orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
median : 0.99759 e  
spread : 0.0055711 e  
created : 2023-08-21T16:24:54



# Tropomi SWIR background noise (swir)

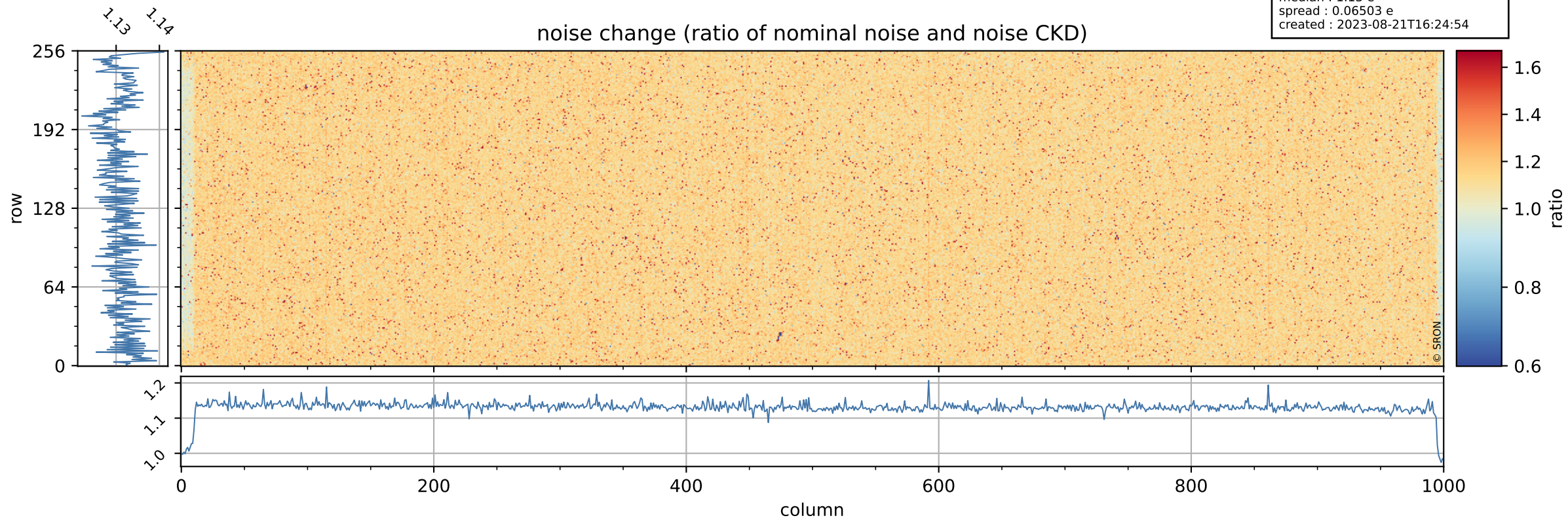
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
median : 1.0024 e  
spread : 0.0084208 e  
created : 2023-08-21T16:24:54



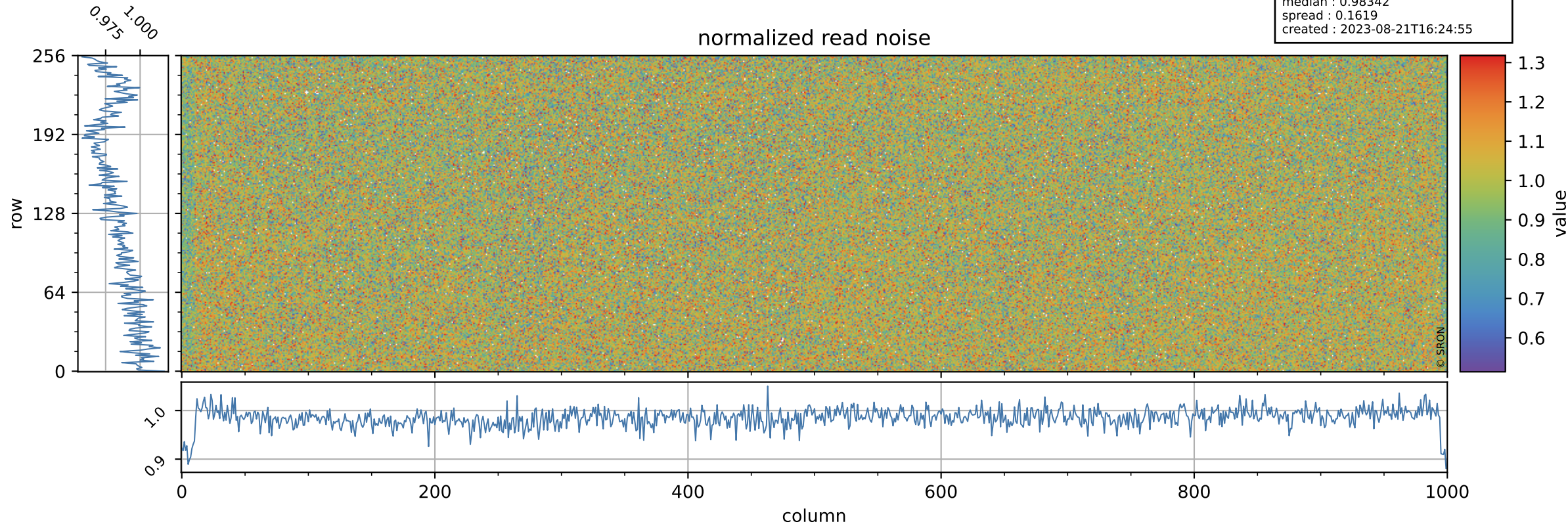
# Tropomi SWIR background noise (swir)

orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
median : 1.13 e  
spread : 0.06503 e  
created : 2023-08-21T16:24:54



# Tropomi SWIR background noise (swir)

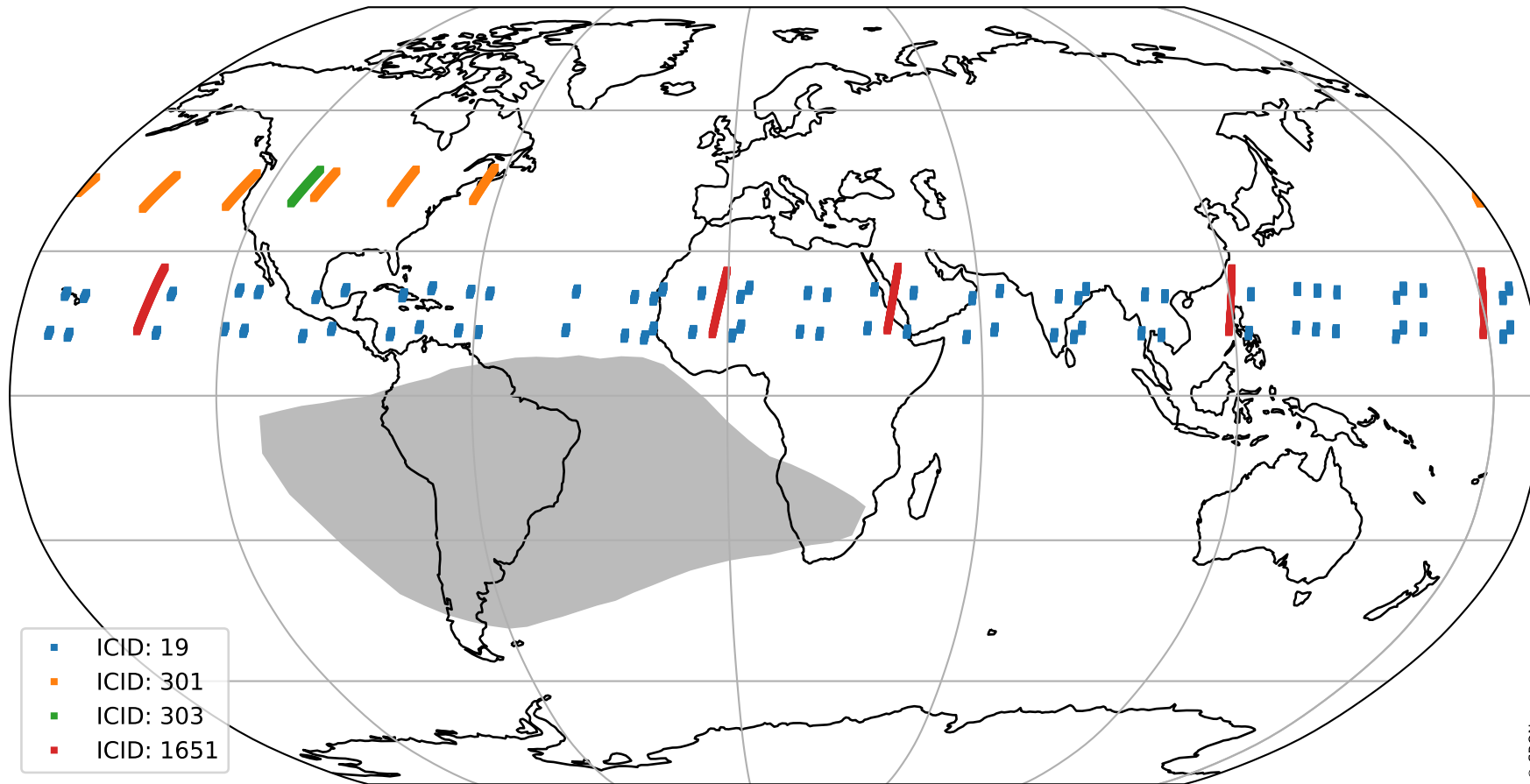
orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
median : 0.98342  
spread : 0.1619  
created : 2023-08-21T16:24:55





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

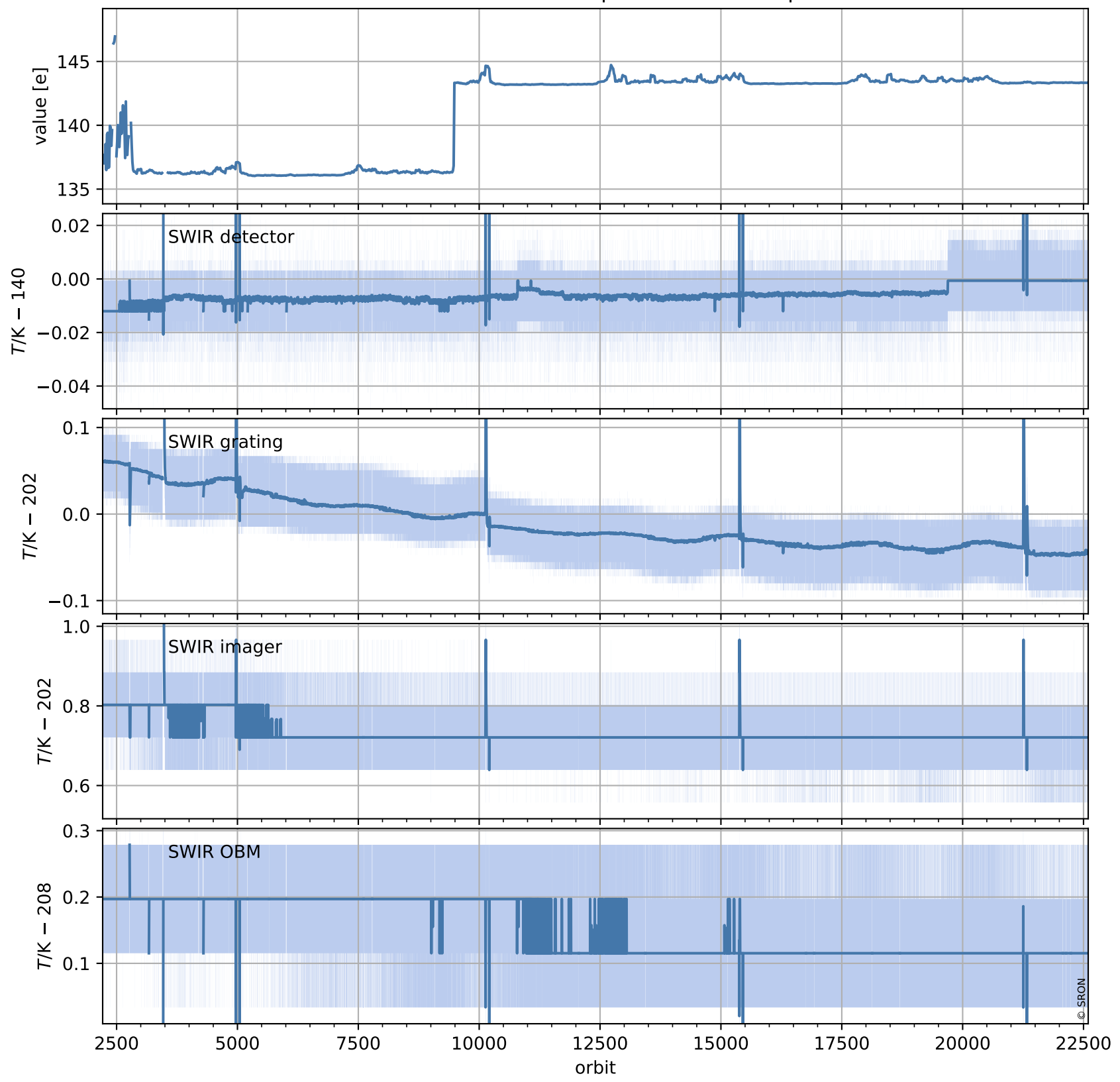
orbits : 12 in [22522, 22597]  
coverage : 2022-02-16 / 2022-02-21  
created : 2023-08-21T16:24:55



# Tropomi SWIR background noise (swir)

orbits : [2212, 22597]  
coverage : 2018-03-18 / 2022-02-21  
created : 2023-08-21T16:24:55

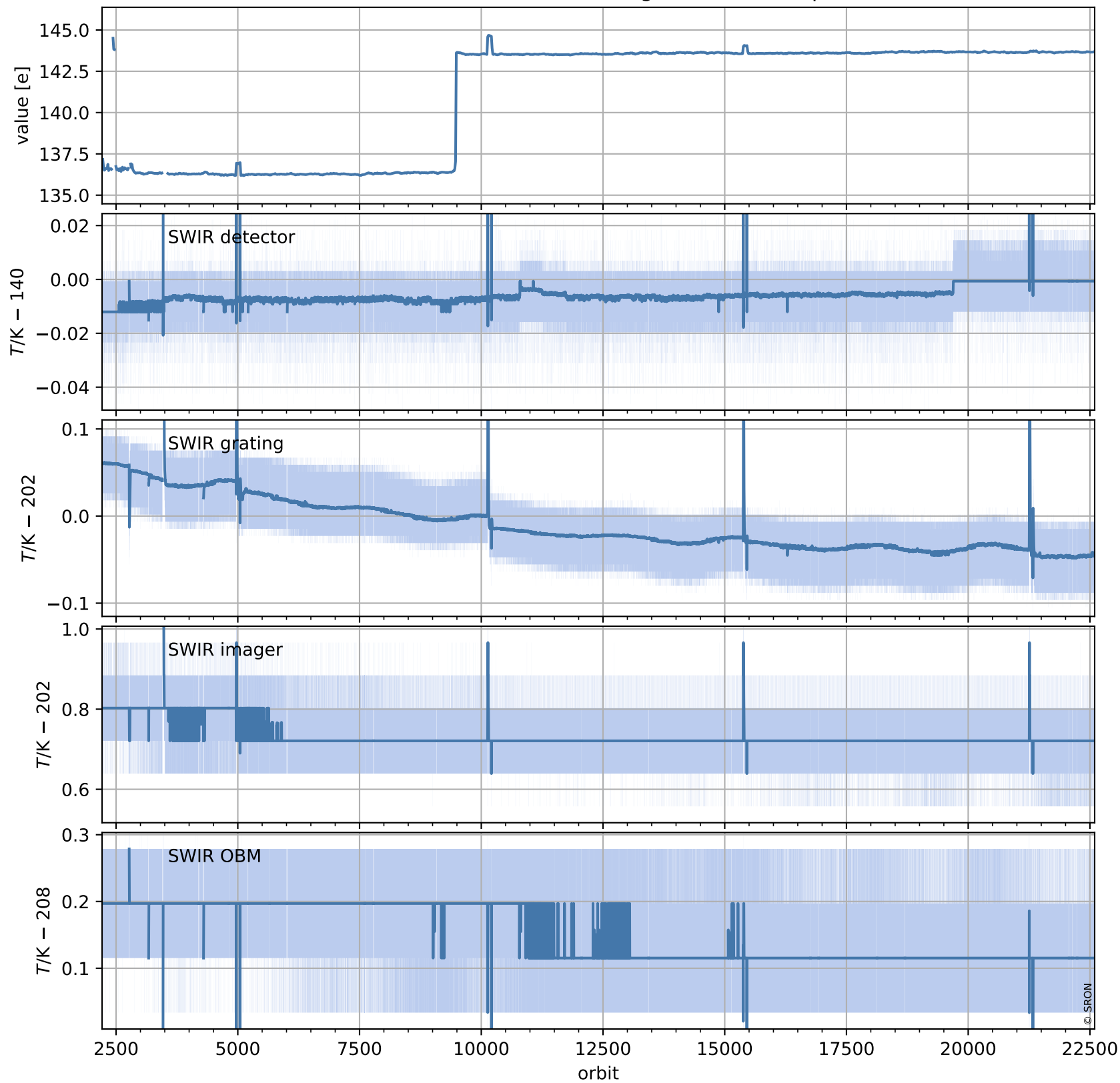
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22597]  
coverage : 2018-03-18 / 2022-02-21  
created : 2023-08-21T16:24:56

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22597]  
coverage : 2018-03-18 / 2022-02-21  
created : 2023-08-21T16:24:57

## trend of normalized read-noise & temperatures

