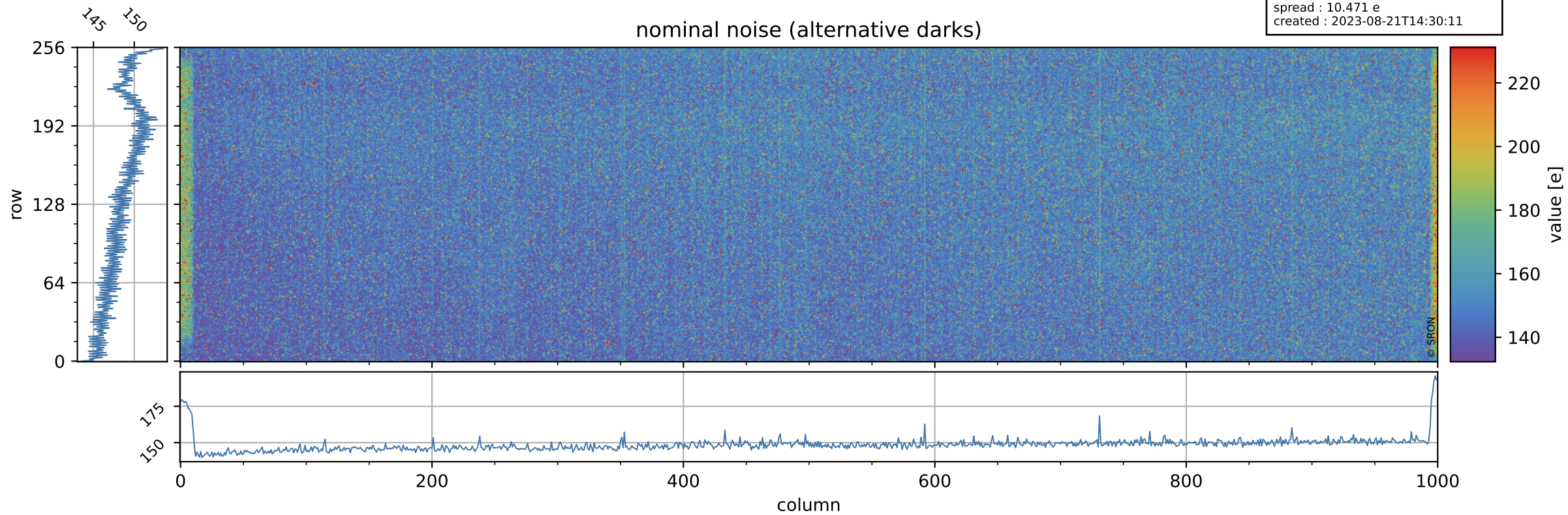


# Tropomi SWIR background noise (swir)

orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.471 e  
created : 2023-08-21T14:30:11

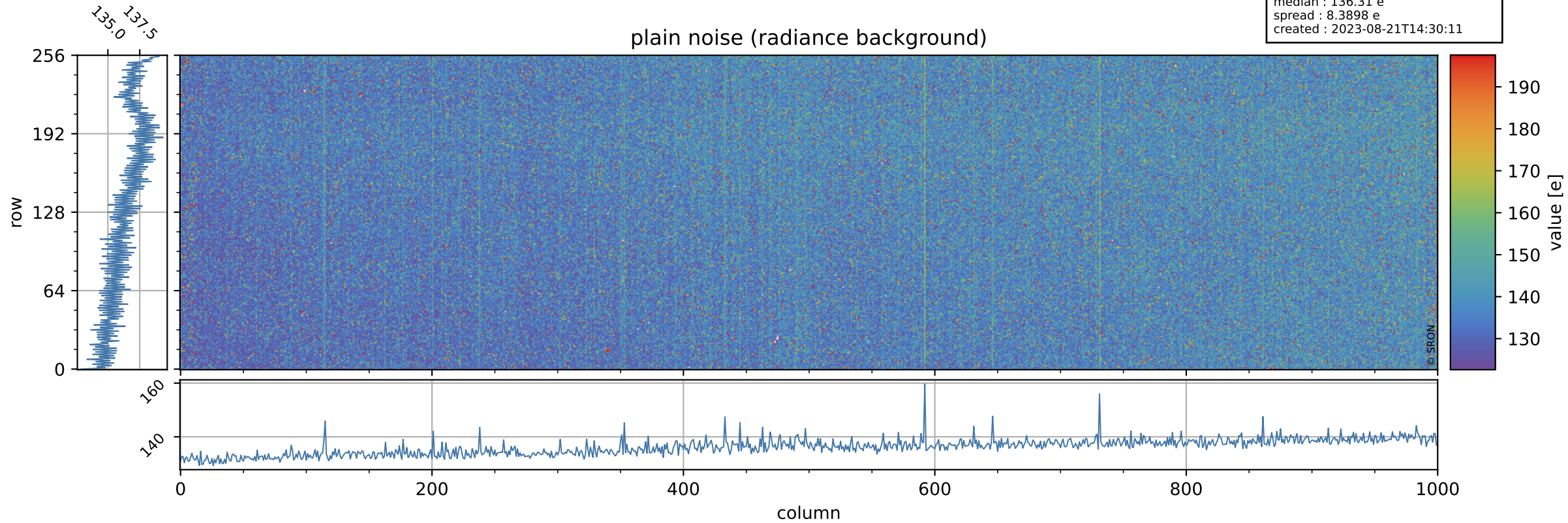
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.31 e  
spread : 8.3898 e  
created : 2023-08-21T14:30:11

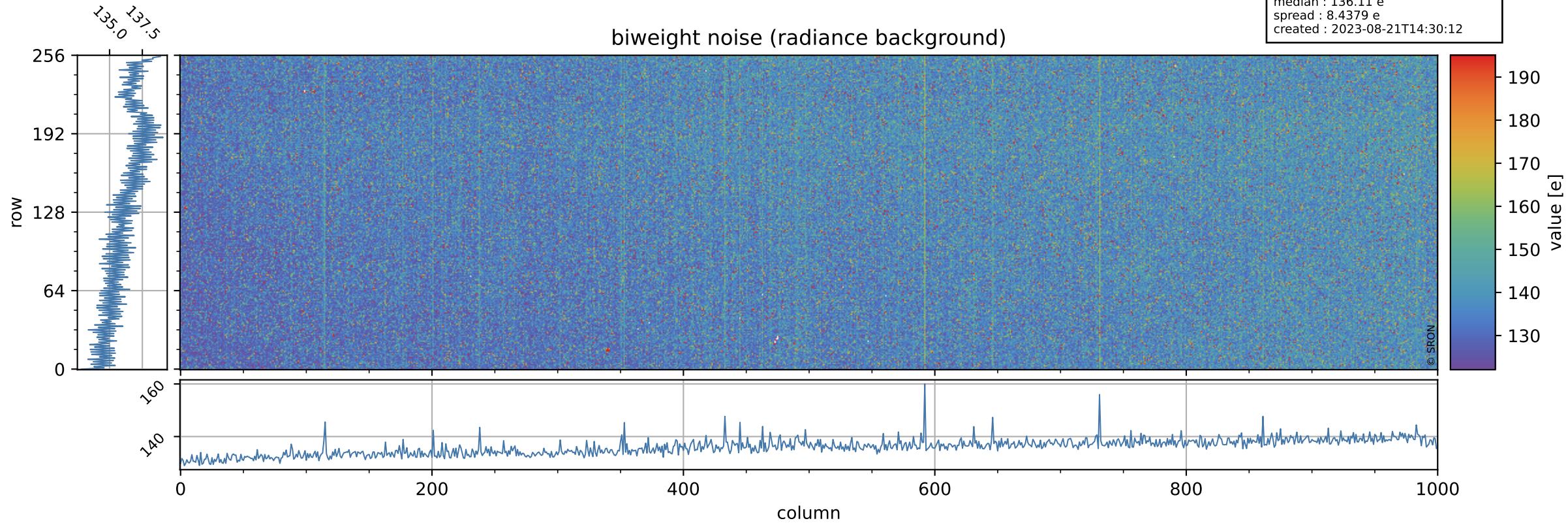
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.11 e  
spread : 8.4379 e  
created : 2023-08-21T14:30:12

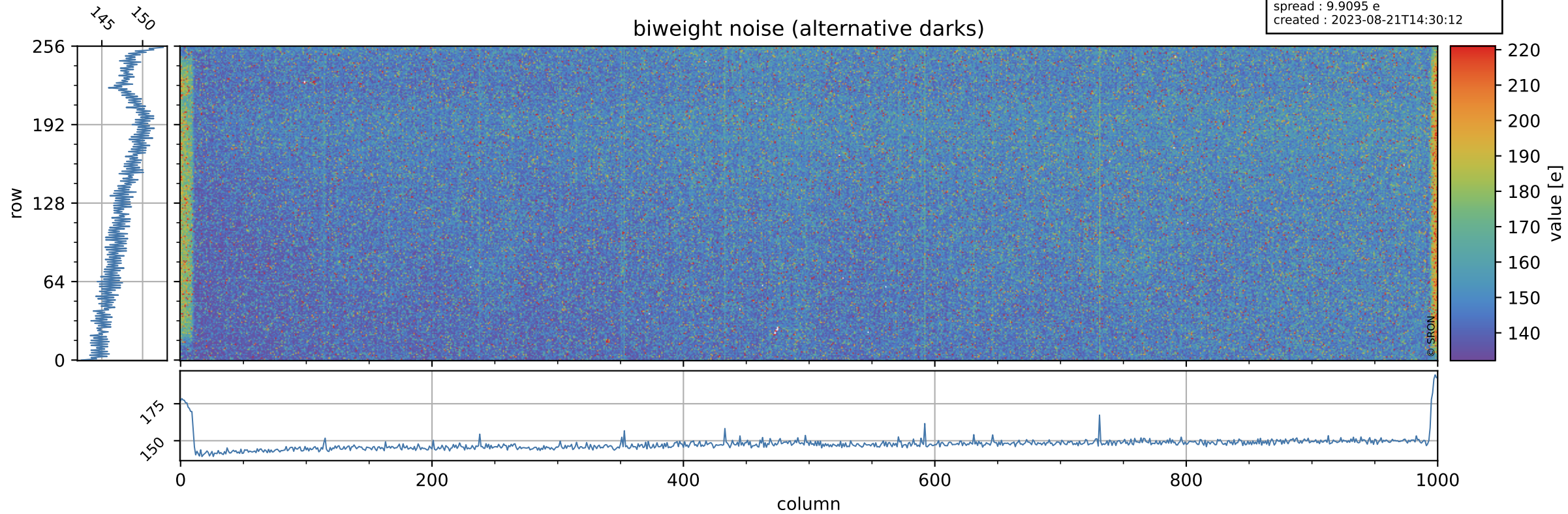
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.48 e  
spread : 9.9095 e  
created : 2023-08-21T14:30:12

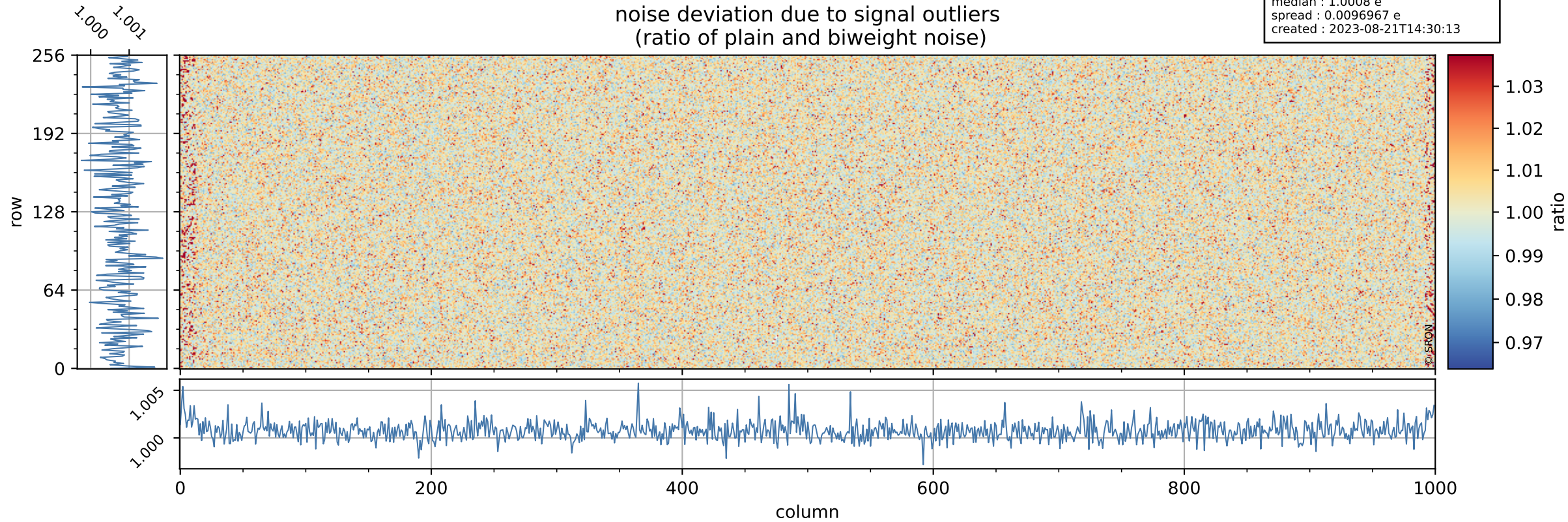
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

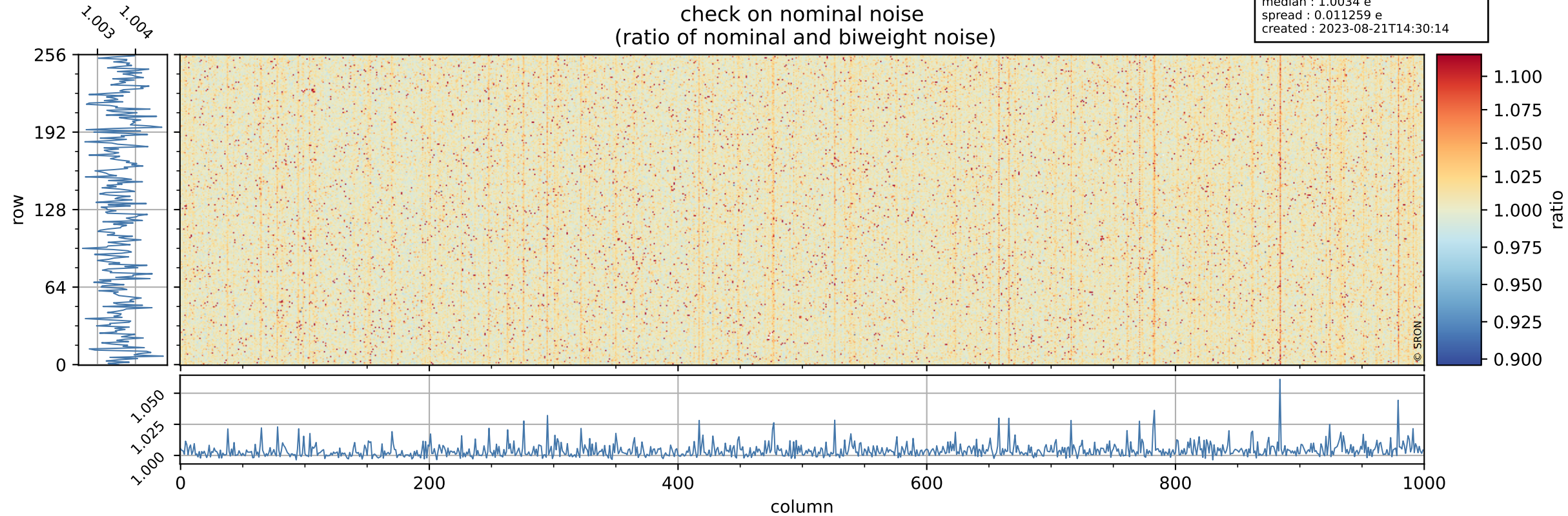
orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
median : 1.0008 e  
spread : 0.0096967 e  
created : 2023-08-21T14:30:13



# Tropomi SWIR background noise (swir)

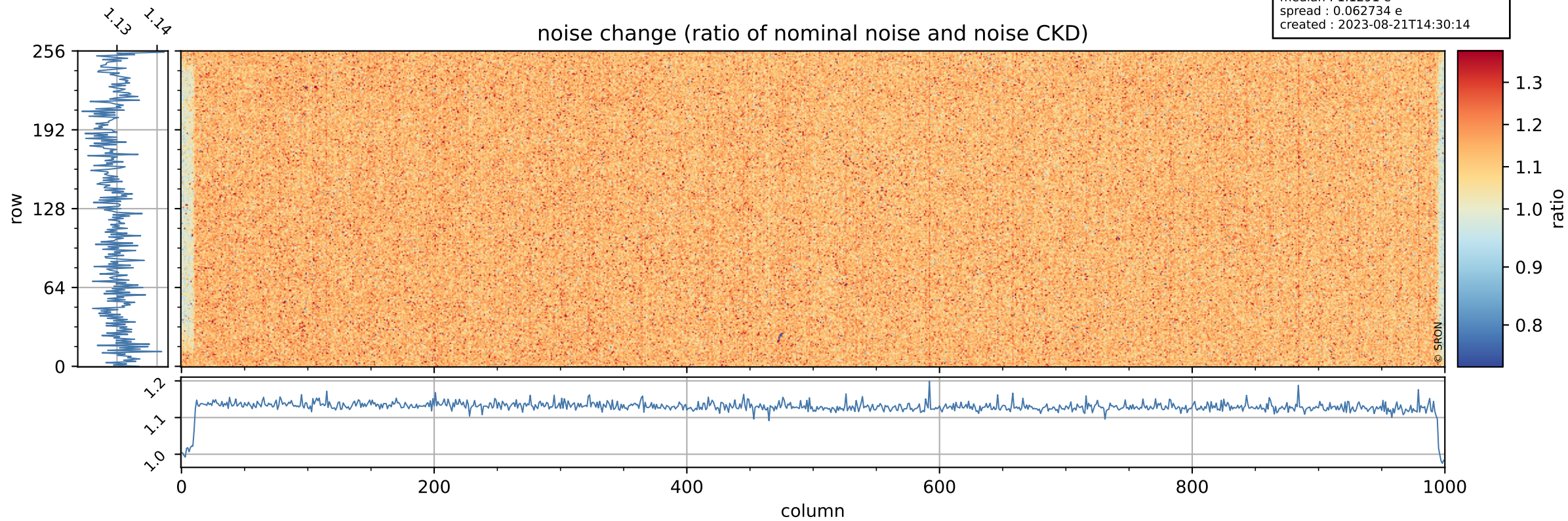
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
median : 1.0034 e  
spread : 0.011259 e  
created : 2023-08-21T14:30:14



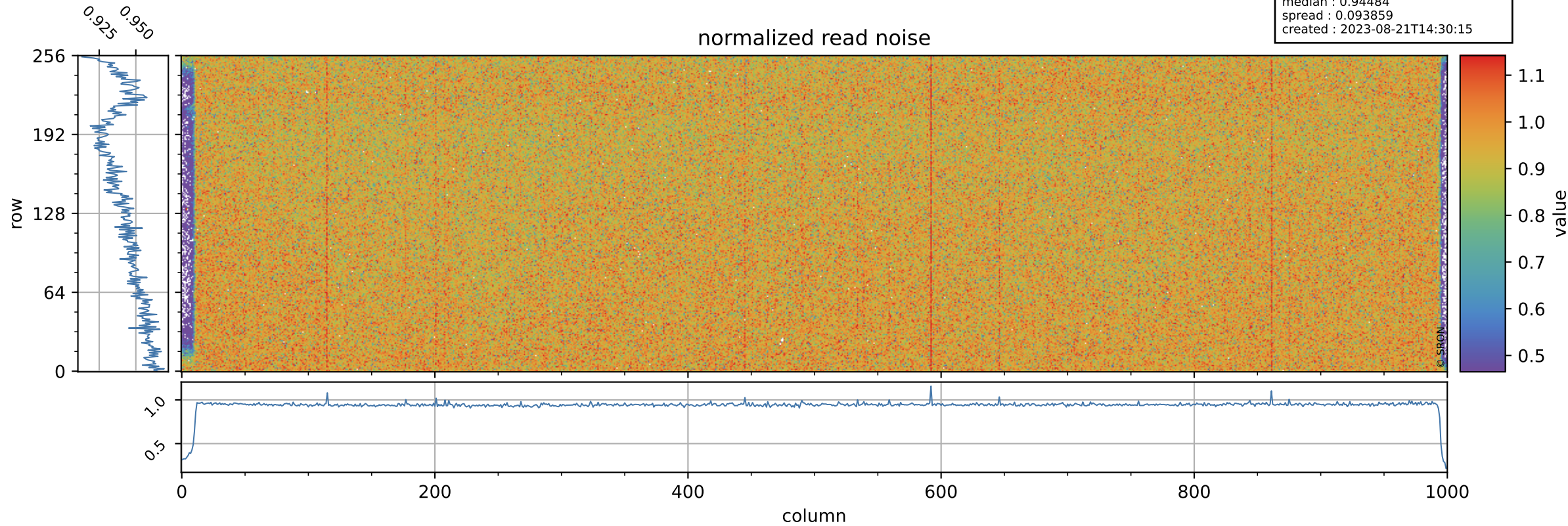
# Tropomi SWIR background noise (swir)

orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
median : 1.1291 e  
spread : 0.062734 e  
created : 2023-08-21T14:30:14



# Tropomi SWIR background noise (swir)

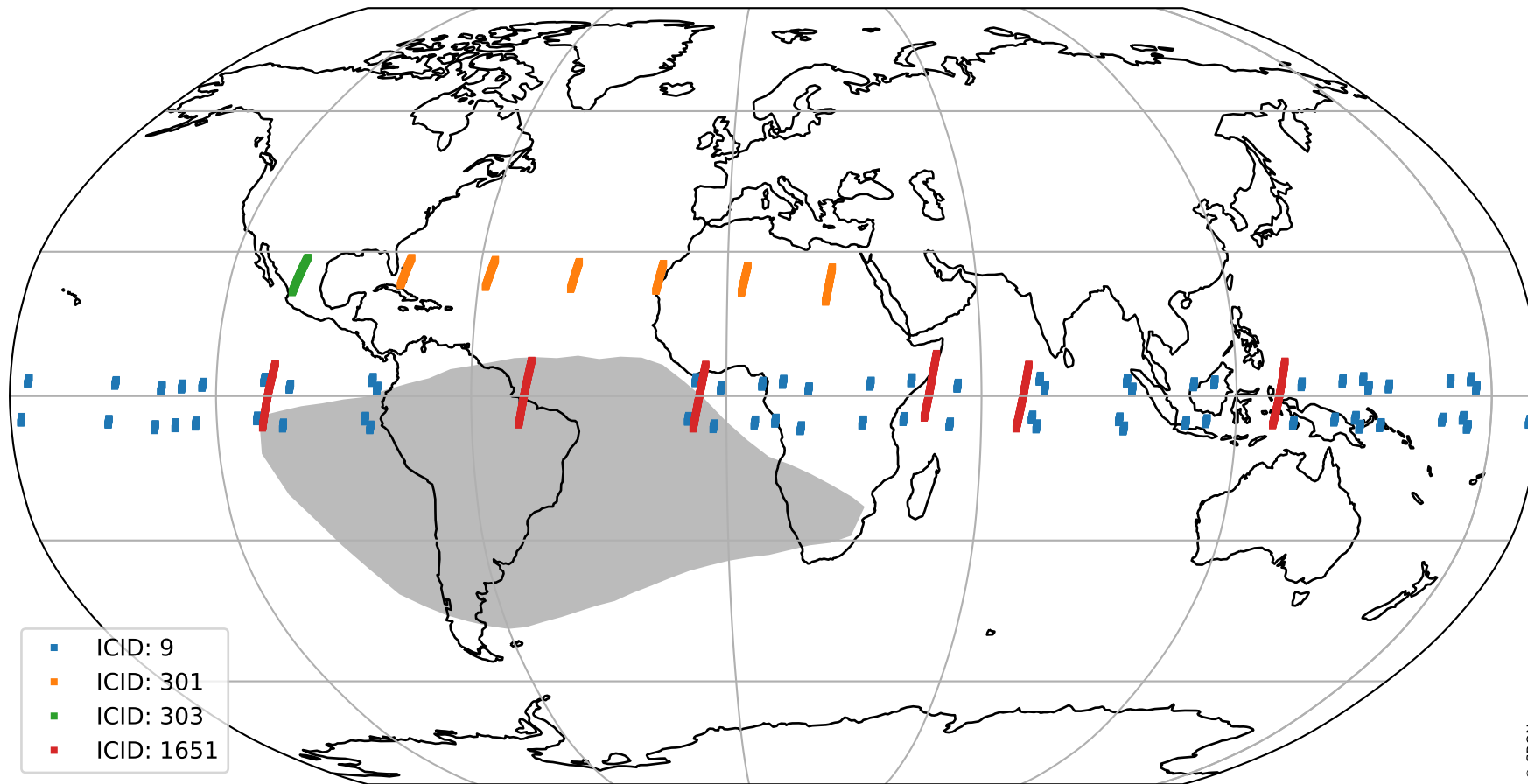
orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
median : 0.94484  
spread : 0.093859  
created : 2023-08-21T14:30:15





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

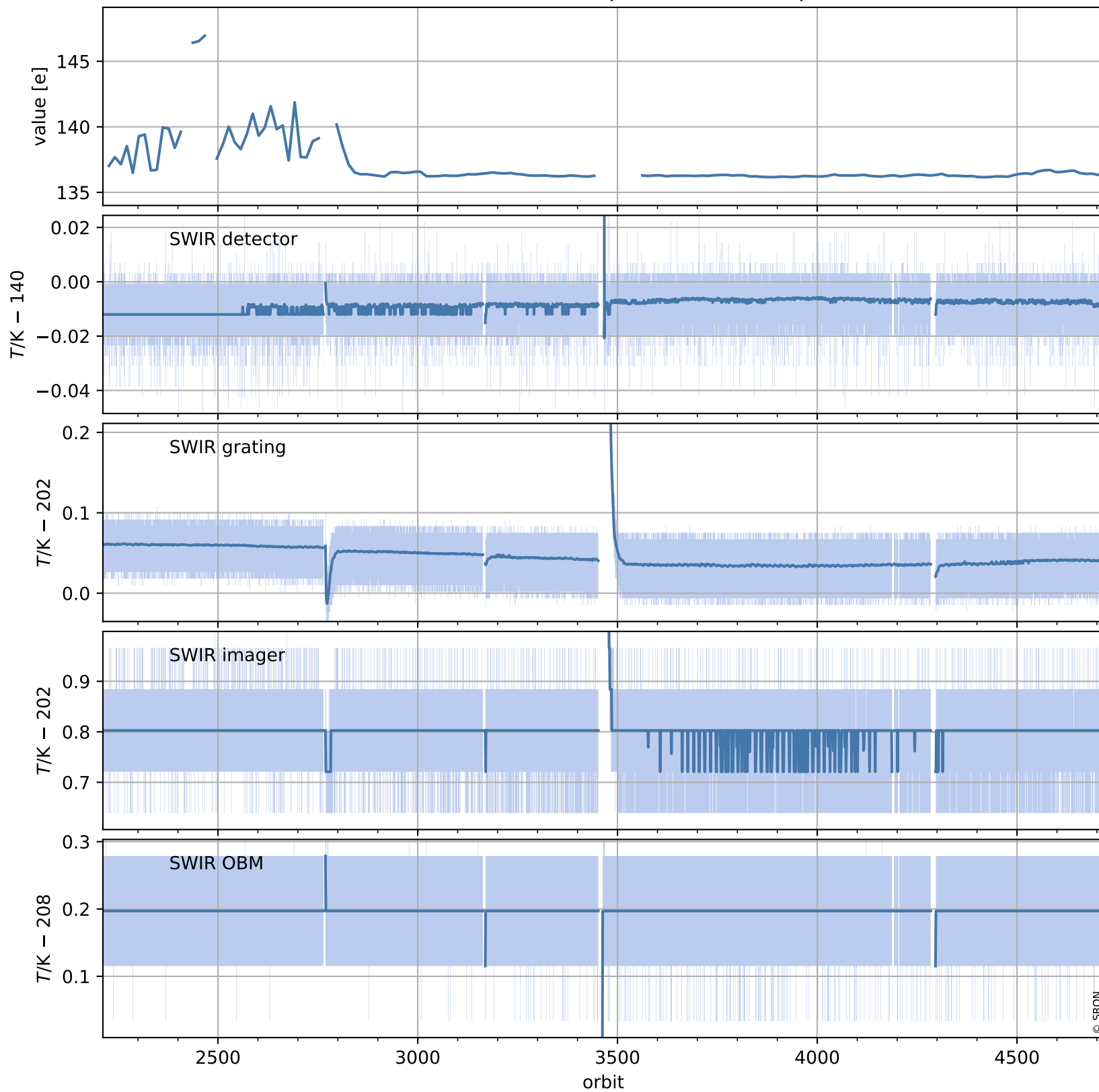
orbits : 13 in [4627, 4717]  
coverage : 2018-09-04 / 2018-09-10  
created : 2023-08-21T14:30:15



# Tropomi SWIR background noise (swir)

orbits : [2212, 4717]  
coverage : 2018-03-18 / 2018-09-10  
created : 2023-08-21T14:30:15

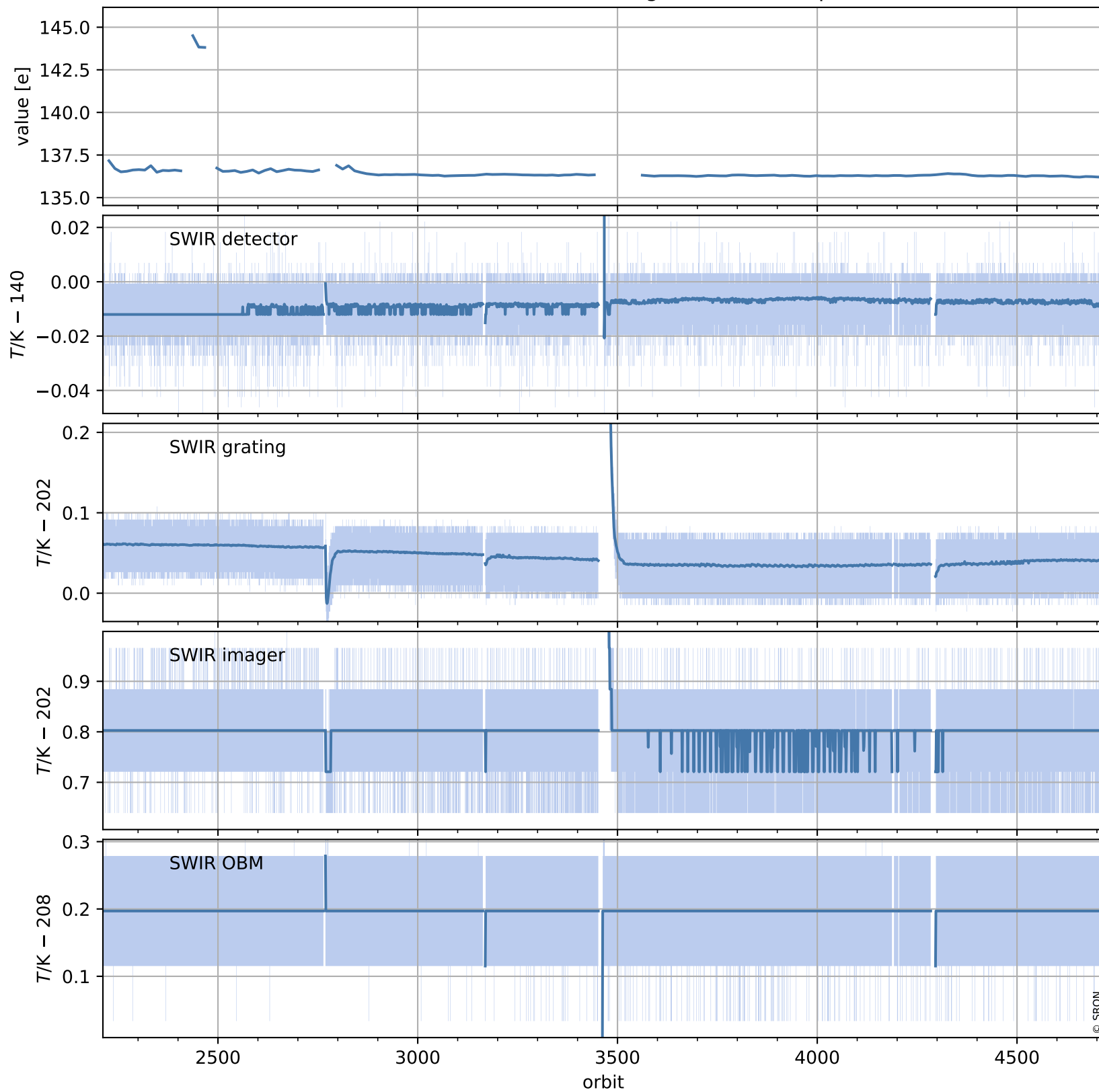
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4717]  
coverage : 2018-03-18 / 2018-09-10  
created : 2023-08-21T14:30:16

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4717]  
coverage : 2018-03-18 / 2018-09-10  
created : 2023-08-21T14:30:16

## trend of normalized read-noise & temperatures

