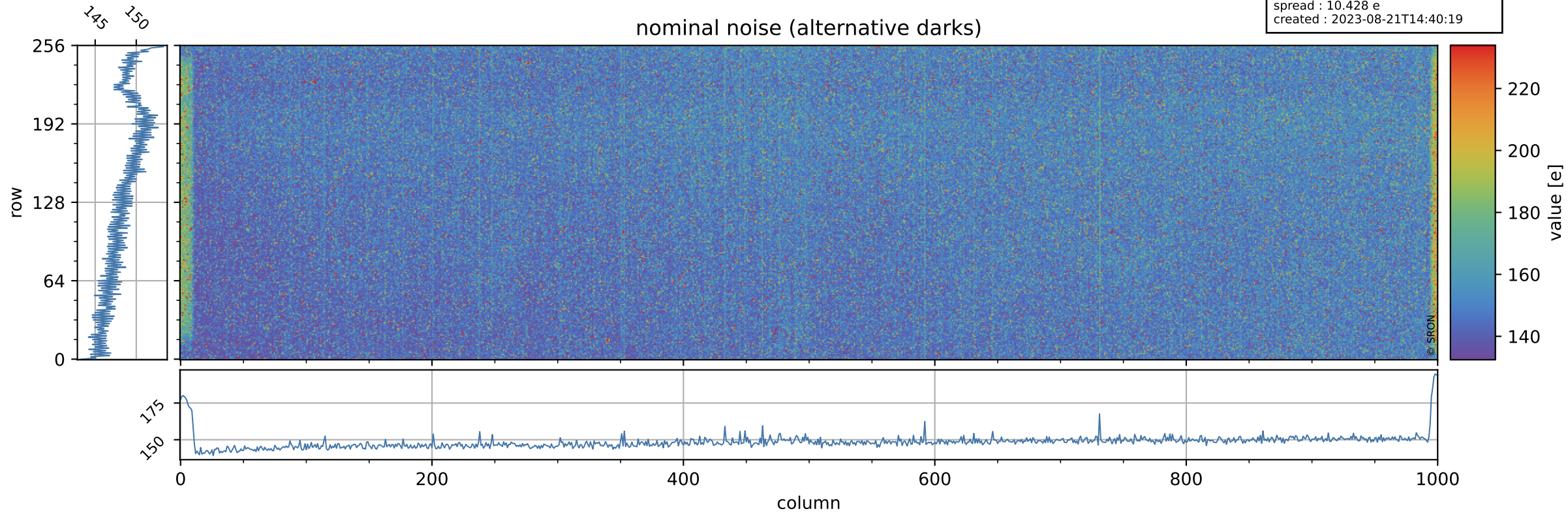


# Tropomi SWIR background noise (swir)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.3 e  
spread : 10.428 e  
created : 2023-08-21T14:40:19

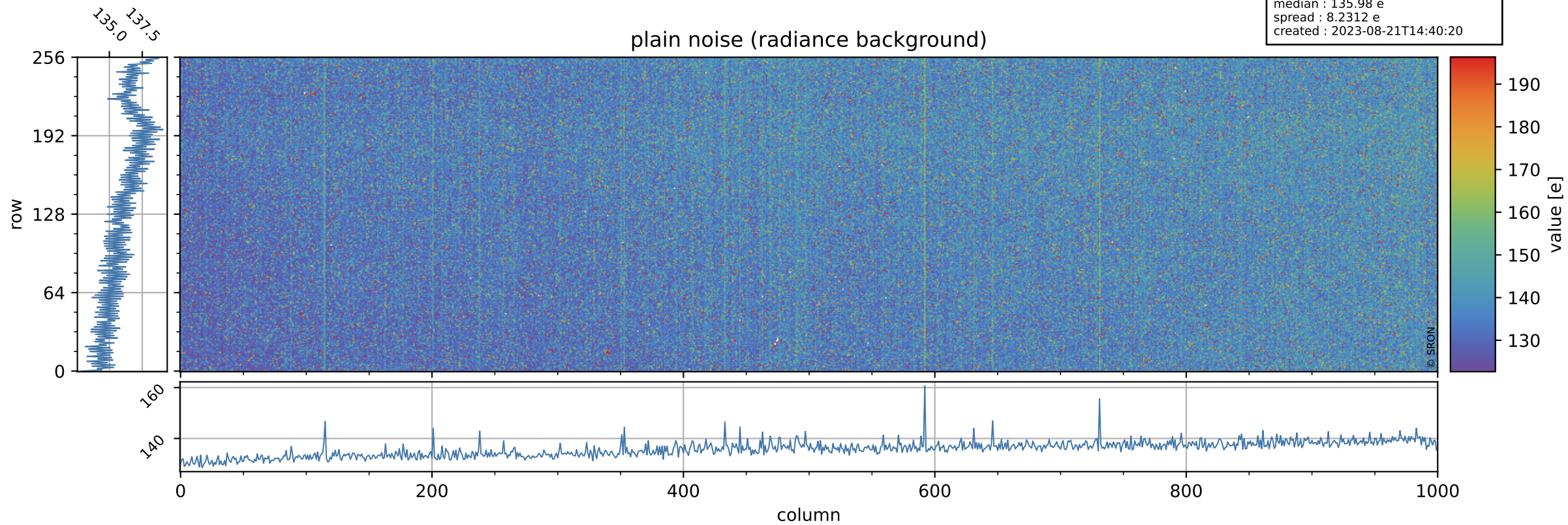
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
n\_coad, t\_exp : 2, 0.5383  
median : 135.98 e  
spread : 8.2312 e  
created : 2023-08-21T14:40:20

plain noise (radiance background)

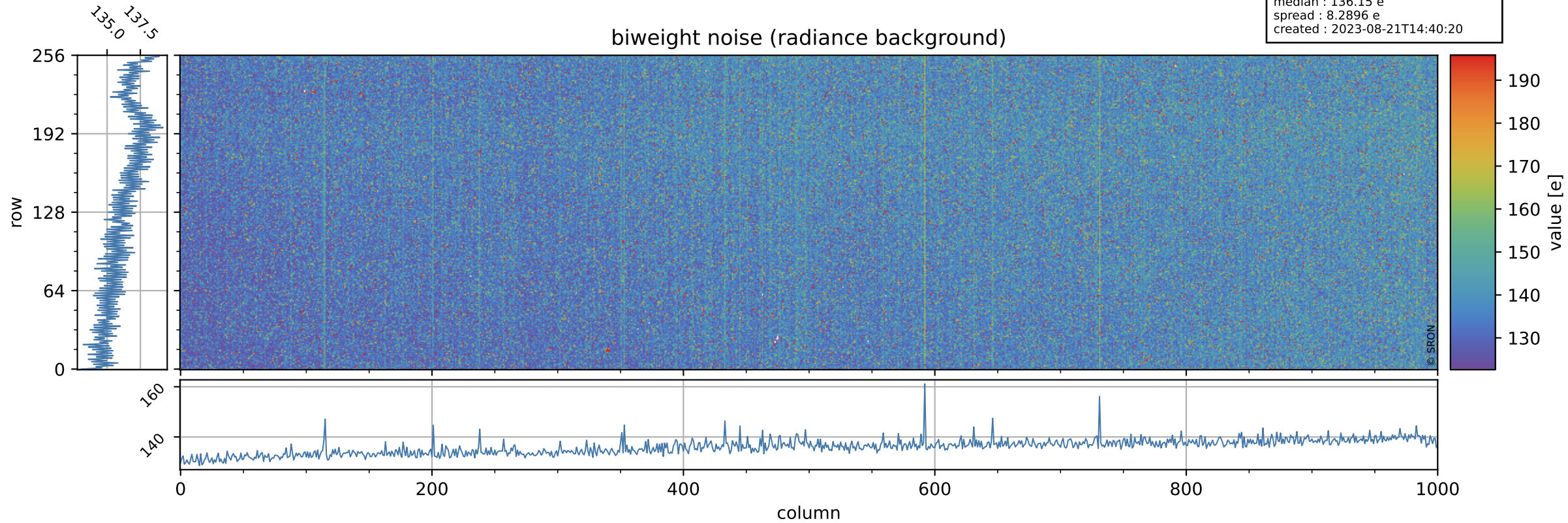




# Tropomi SWIR background noise (swir)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.15 e  
spread : 8.2896 e  
created : 2023-08-21T14:40:20

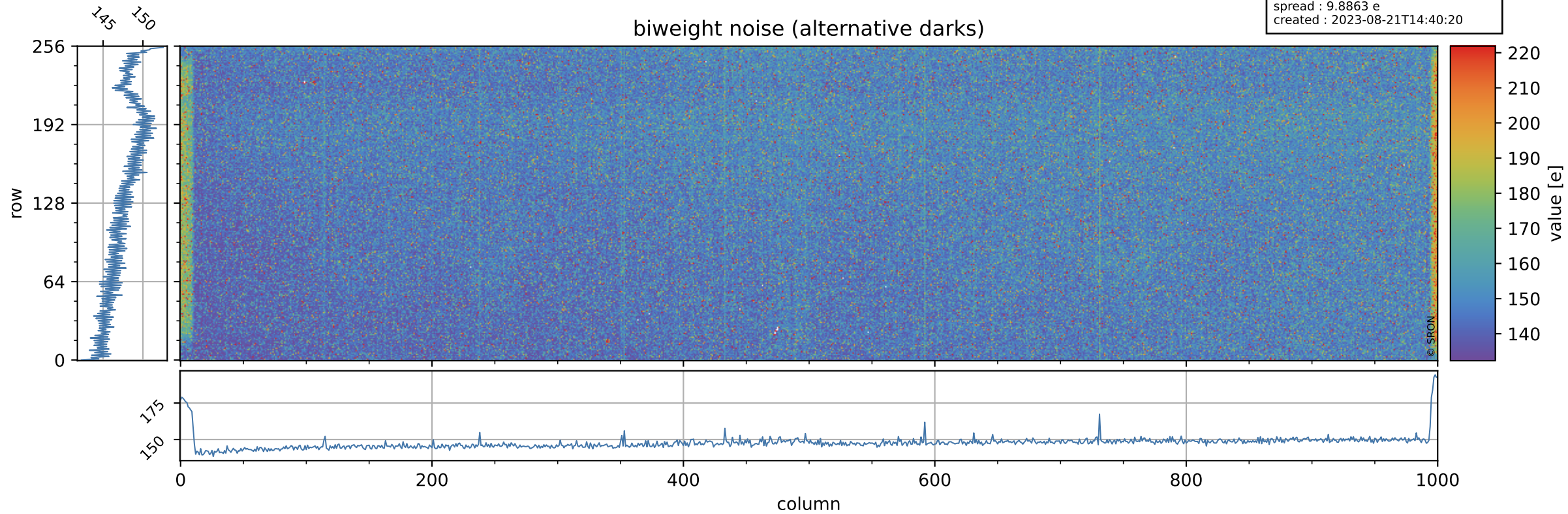
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.8863 e  
created : 2023-08-21T14:40:20

## biweight noise (alternative darks)

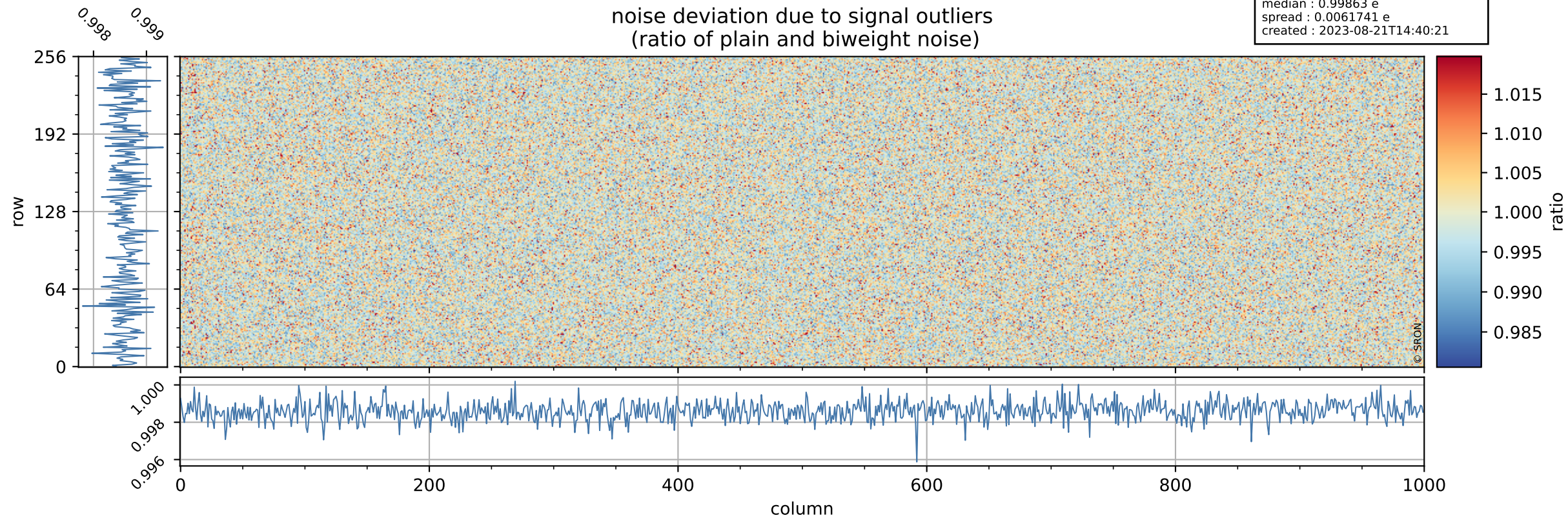




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
median : 0.99863 e  
spread : 0.0061741 e  
created : 2023-08-21T14:40:21

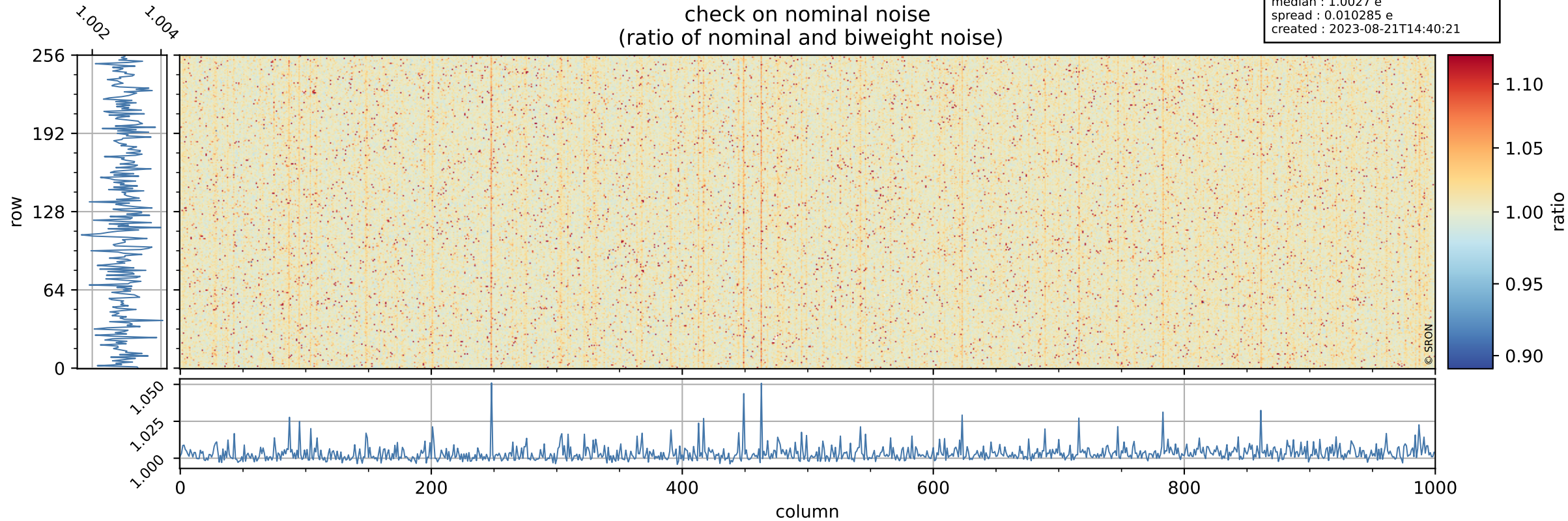




# Tropomi SWIR background noise (swir)

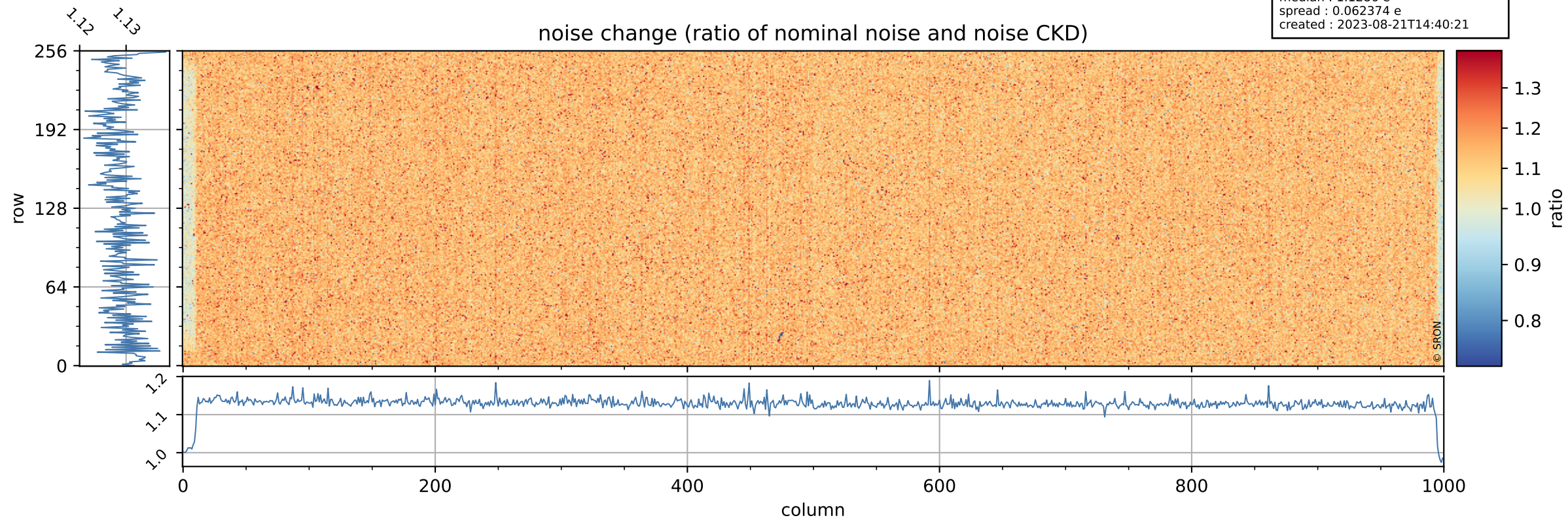
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
median : 1.0027 e  
spread : 0.010285 e  
created : 2023-08-21T14:40:21



# Tropomi SWIR background noise (swir)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
median : 1.1286 e  
spread : 0.062374 e  
created : 2023-08-21T14:40:21

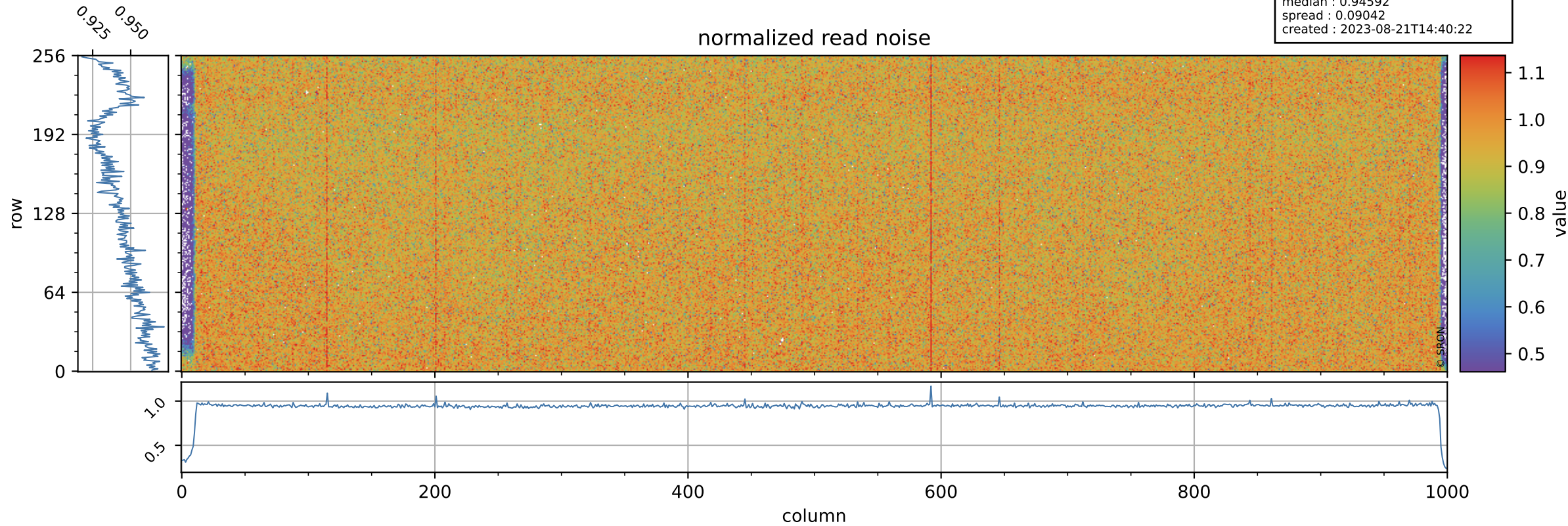




# Tropomi SWIR background noise (swir)

orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
median : 0.94592  
spread : 0.09042  
created : 2023-08-21T14:40:22

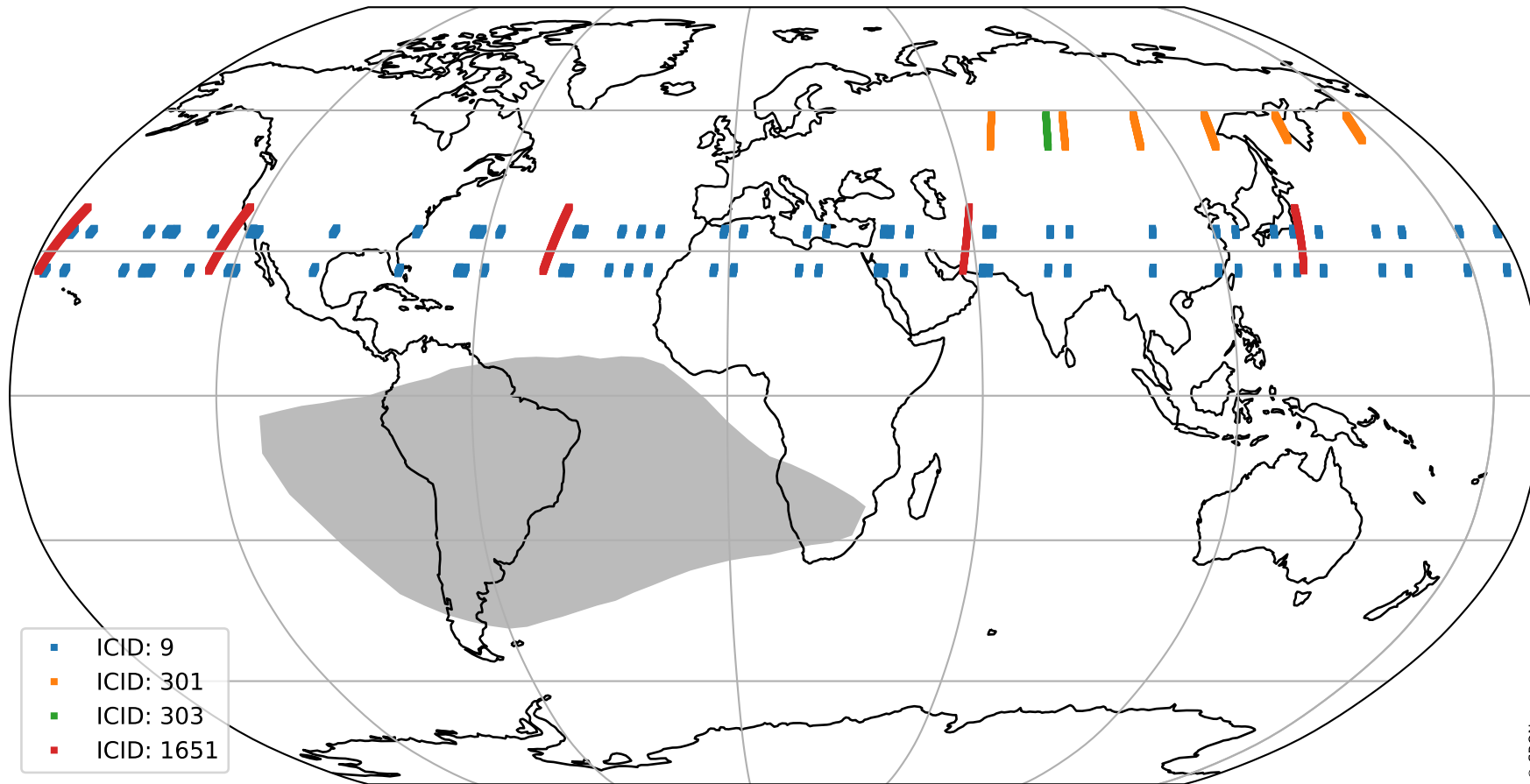
## normalized read noise





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

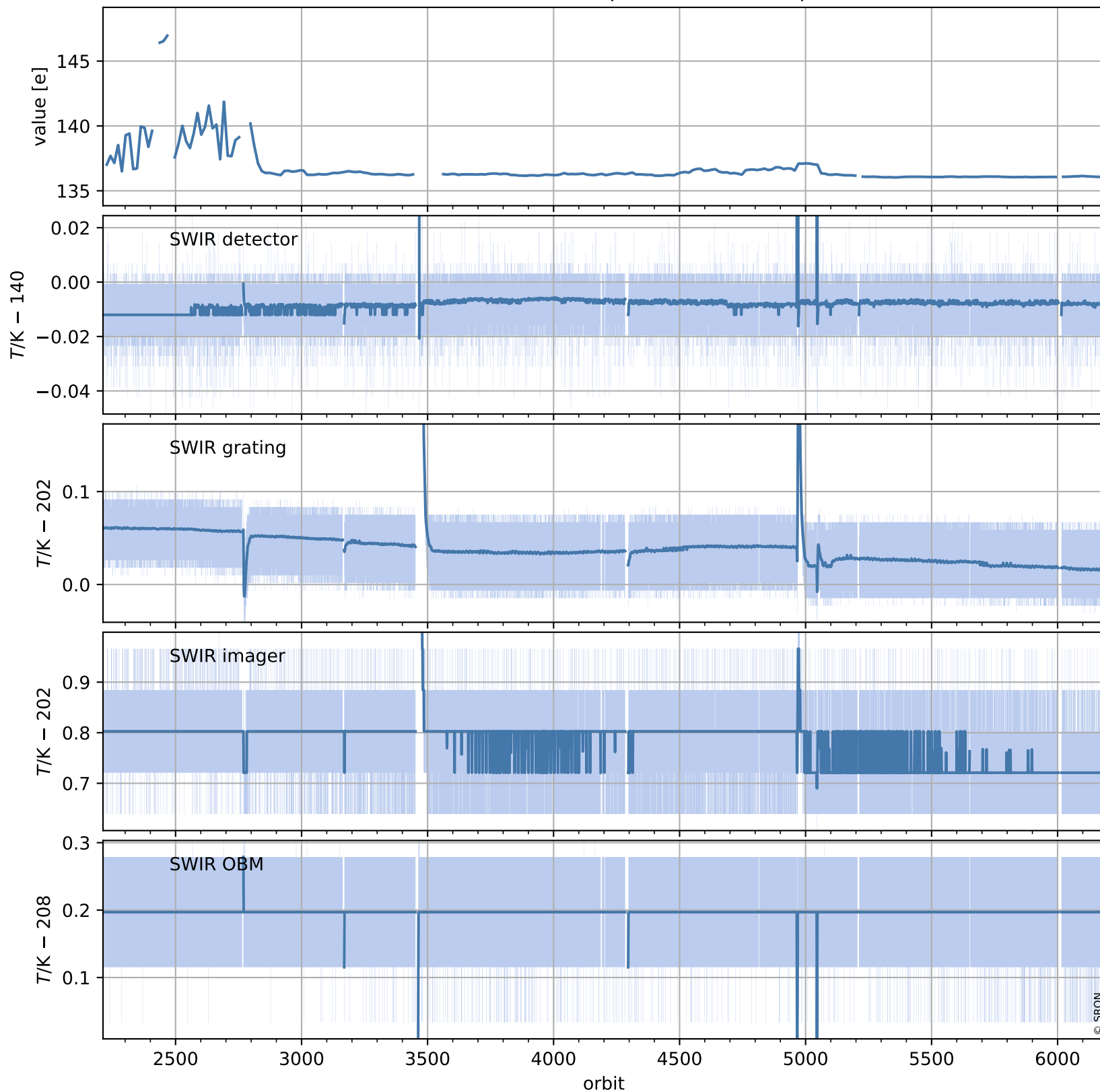
orbits : 12 in [6097, 6187]  
coverage : 2018-12-17 / 2018-12-23  
created : 2023-08-21T14:40:22



# Tropomi SWIR background noise (swir)

orbits : [2212, 6187]  
coverage : 2018-03-18 / 2018-12-23  
created : 2023-08-21T14:40:22

## trend of detector median of plain noise & temperatures

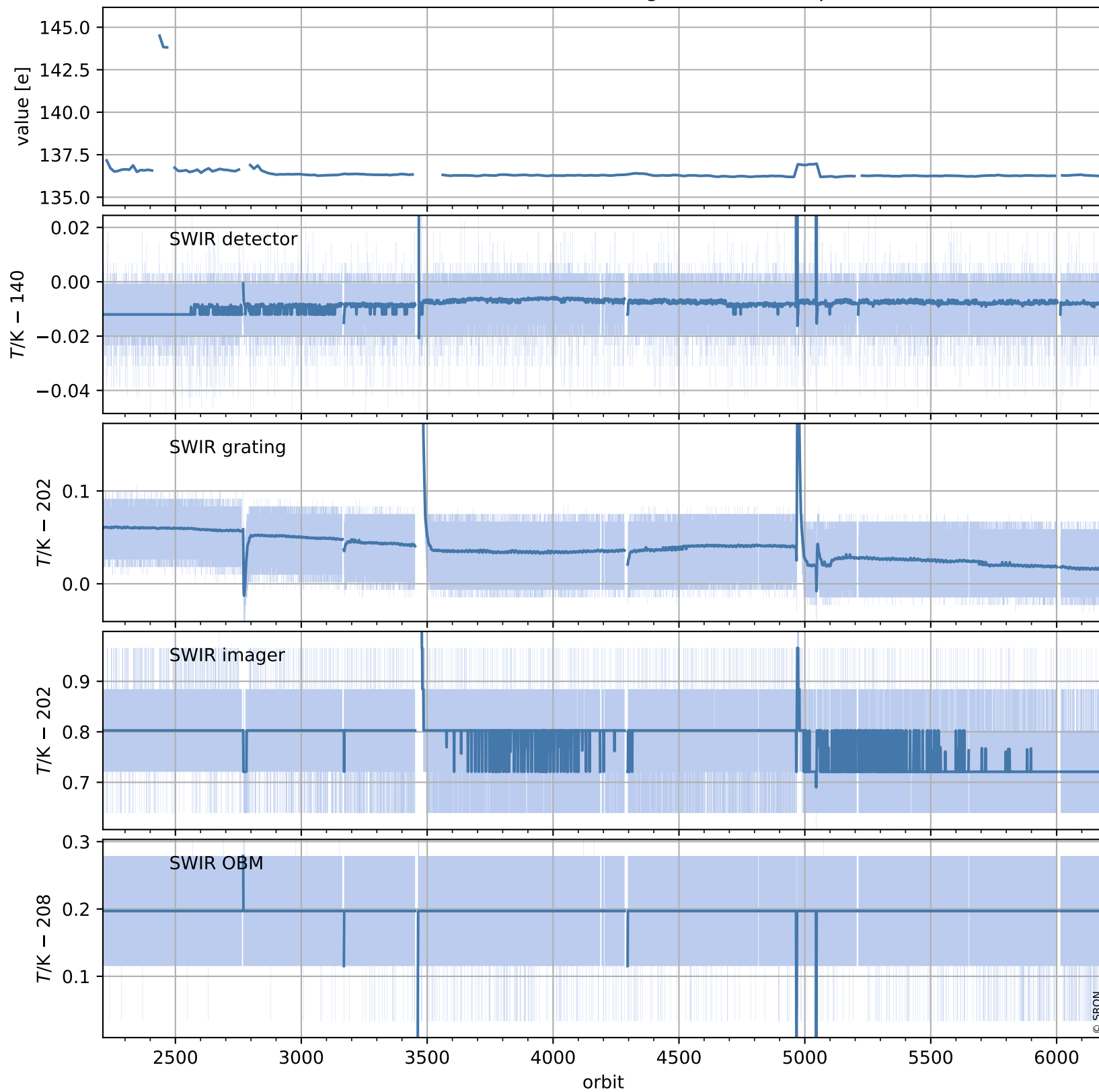




# Tropomi SWIR background noise (swir)

orbits : [2212, 6187]  
coverage : 2018-03-18 / 2018-12-23  
created : 2023-08-21T14:40:23

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6187]  
coverage : 2018-03-18 / 2018-12-23  
created : 2023-08-21T14:40:23

## trend of normalized read-noise & temperatures

