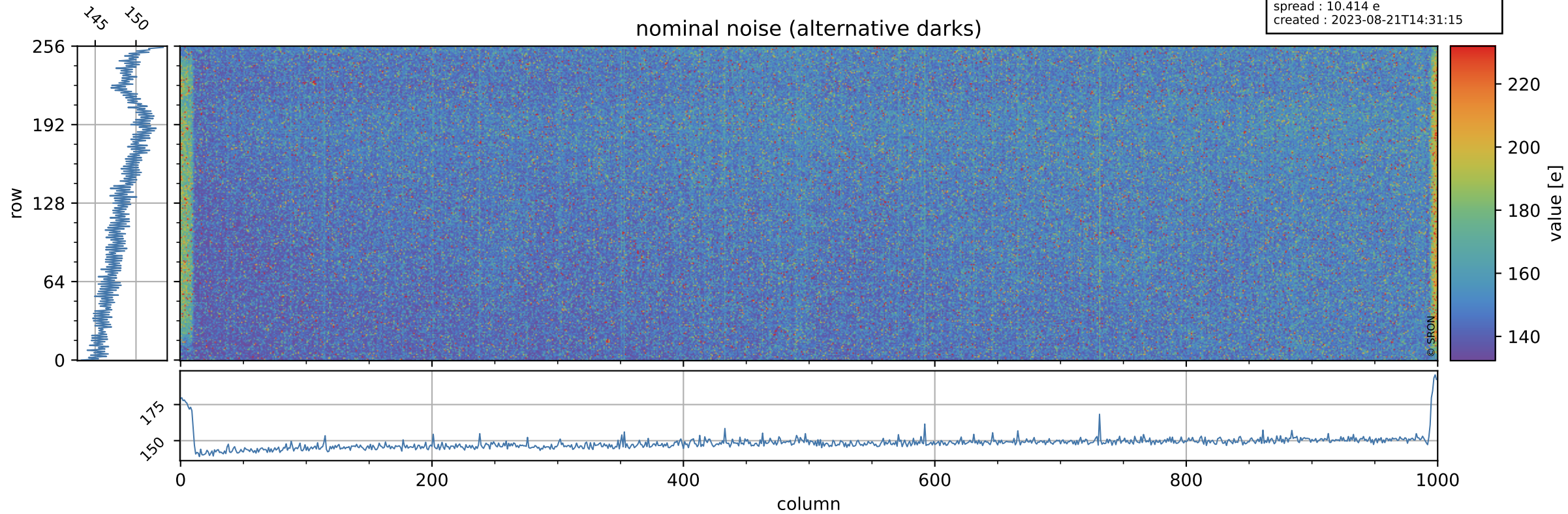


# Tropomi SWIR background noise (swir)

orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.28 e  
spread : 10.414 e  
created : 2023-08-21T14:31:15

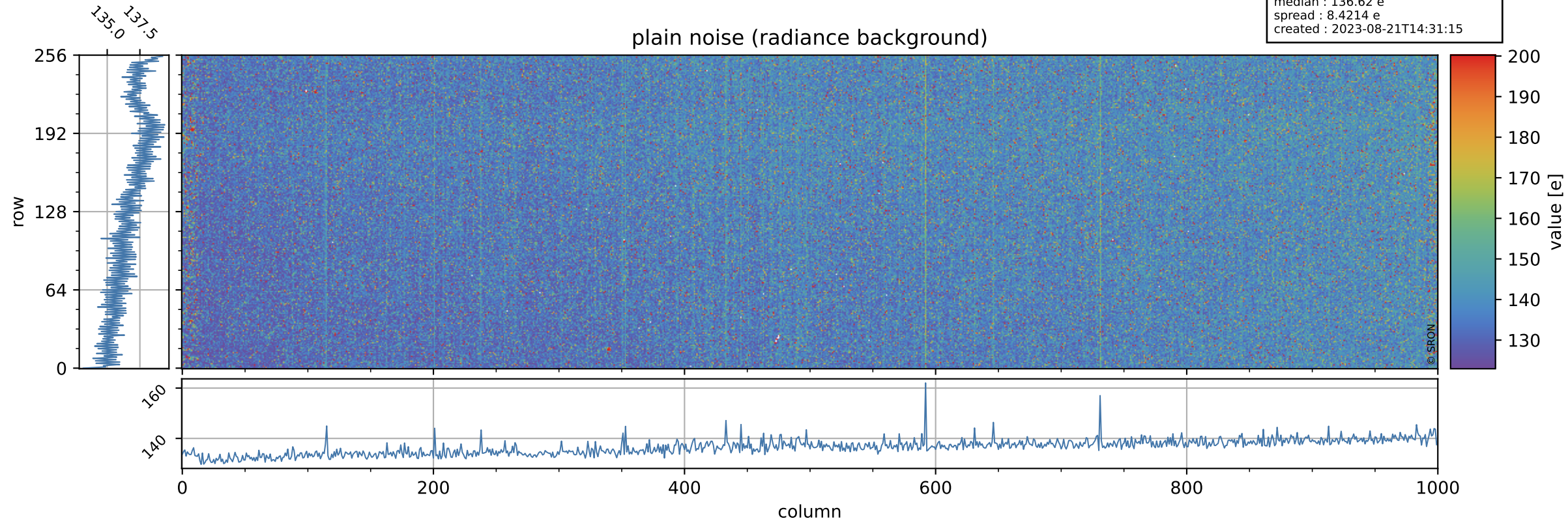
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
n\_coad, t\_exp : 2, 0.5383  
median : 136.62 e  
spread : 8.4214 e  
created : 2023-08-21T14:31:15

plain noise (radiance background)

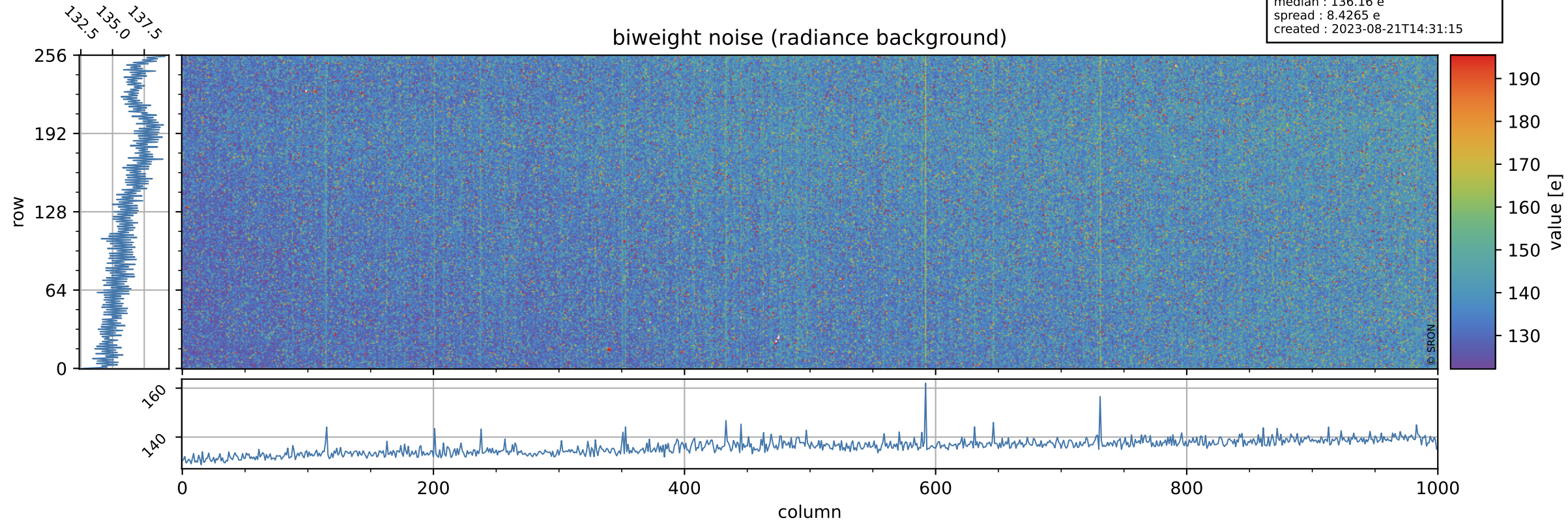




# Tropomi SWIR background noise (swir)

orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.4265 e  
created : 2023-08-21T14:31:15

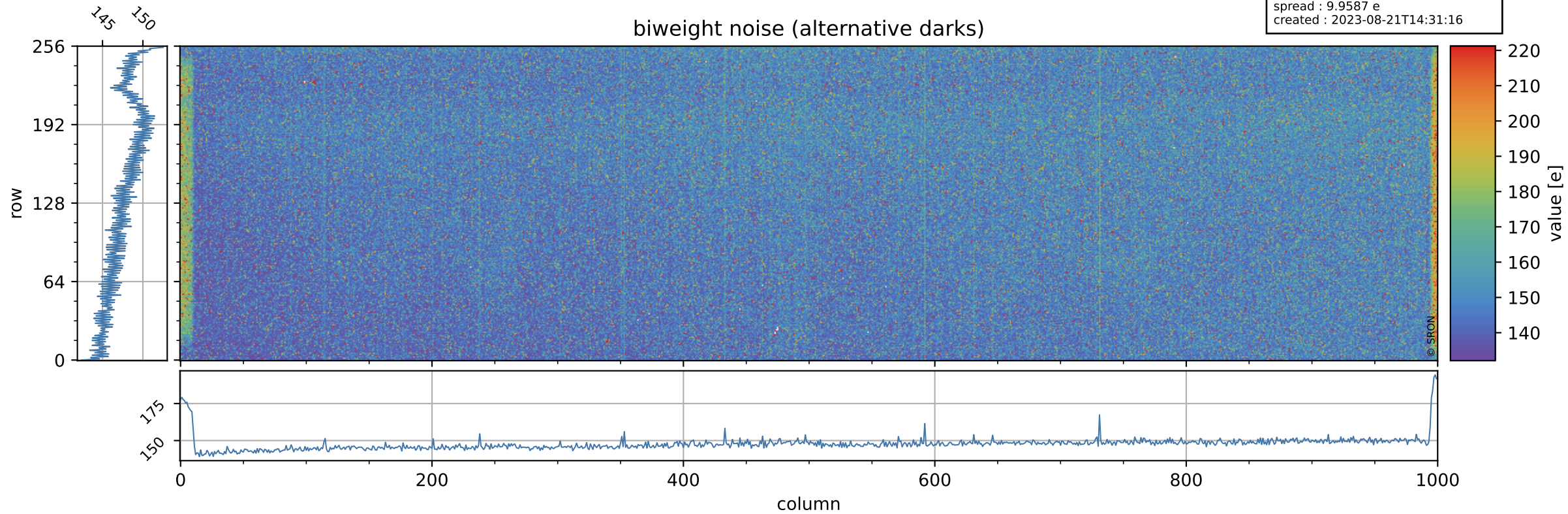
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.9587 e  
created : 2023-08-21T14:31:16

## biweight noise (alternative darks)

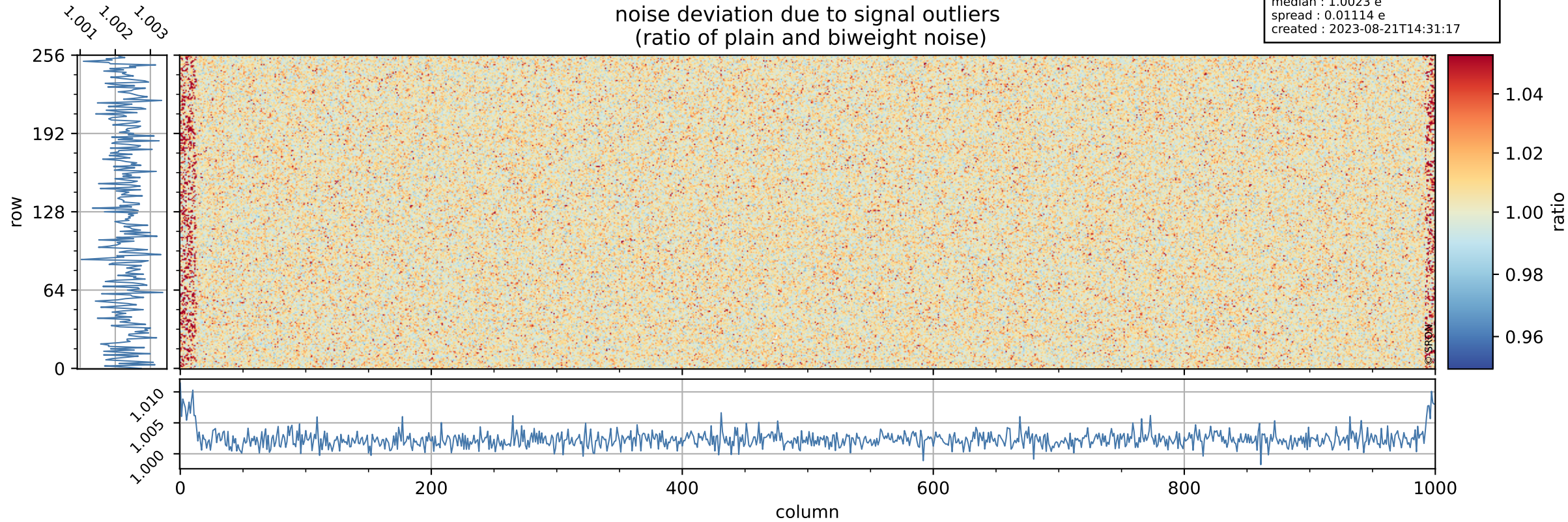




# Tropomi SWIR background noise (swir)

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

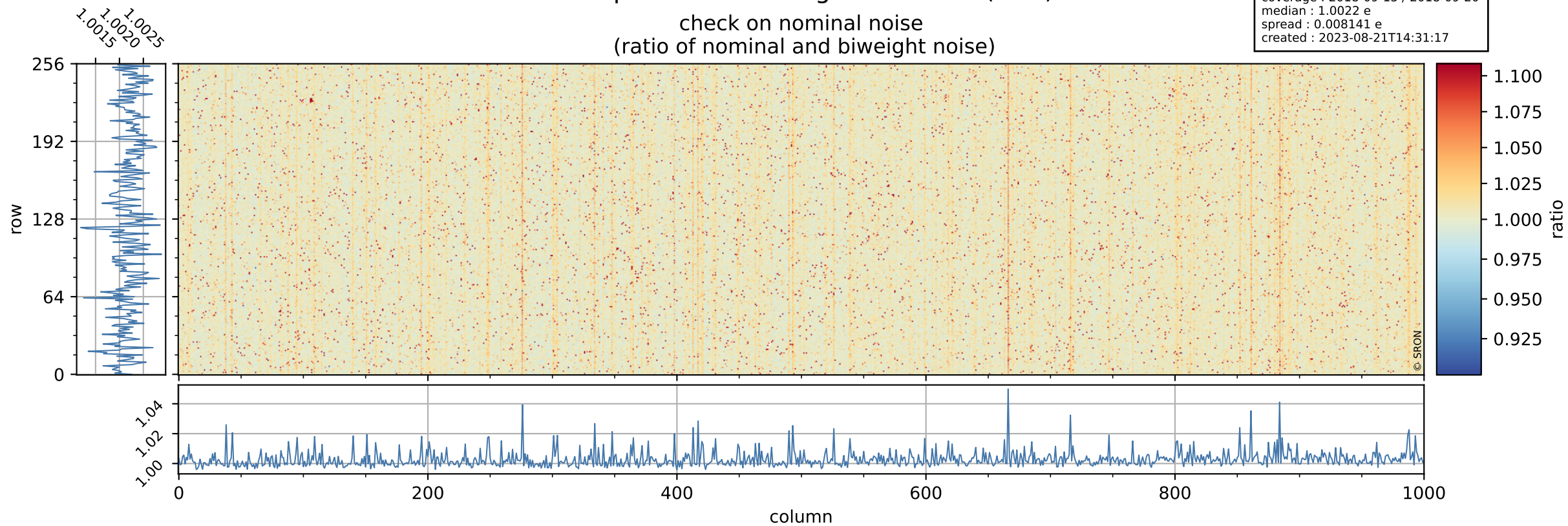
orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
median : 1.0023 e  
spread : 0.01114 e  
created : 2023-08-21T14:31:17



# Tropomi SWIR background noise (swir)

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

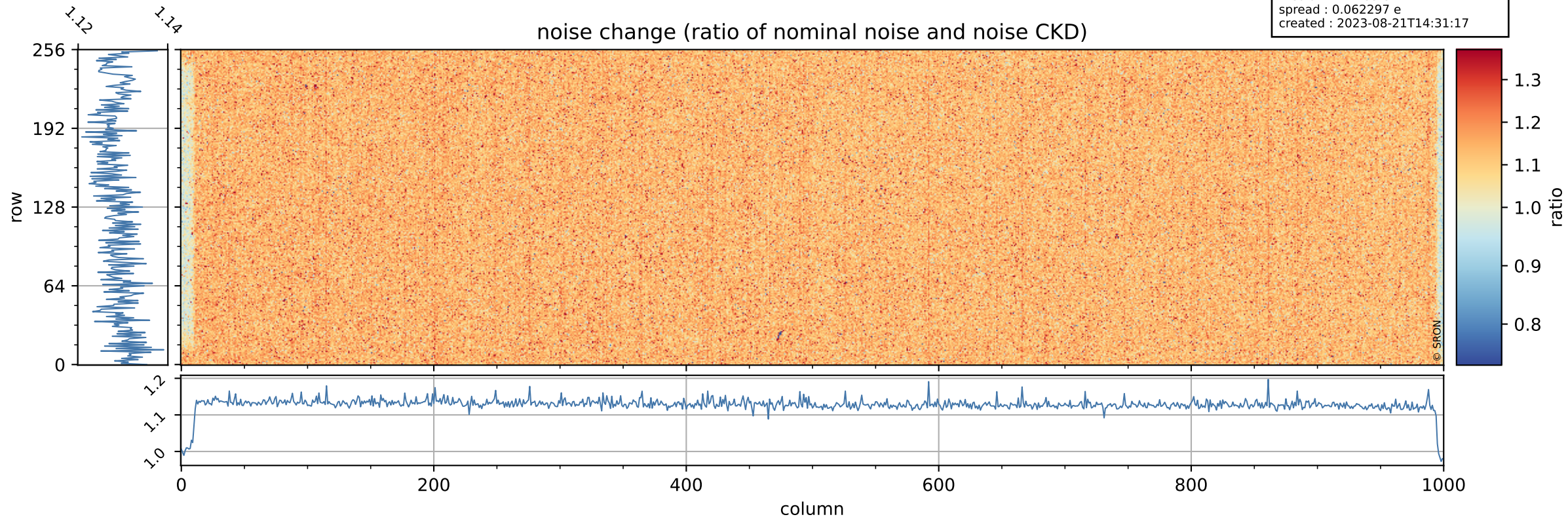
orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
median : 1.0022 e  
spread : 0.008141 e  
created : 2023-08-21T14:31:17





# Tropomi SWIR background noise (swir)

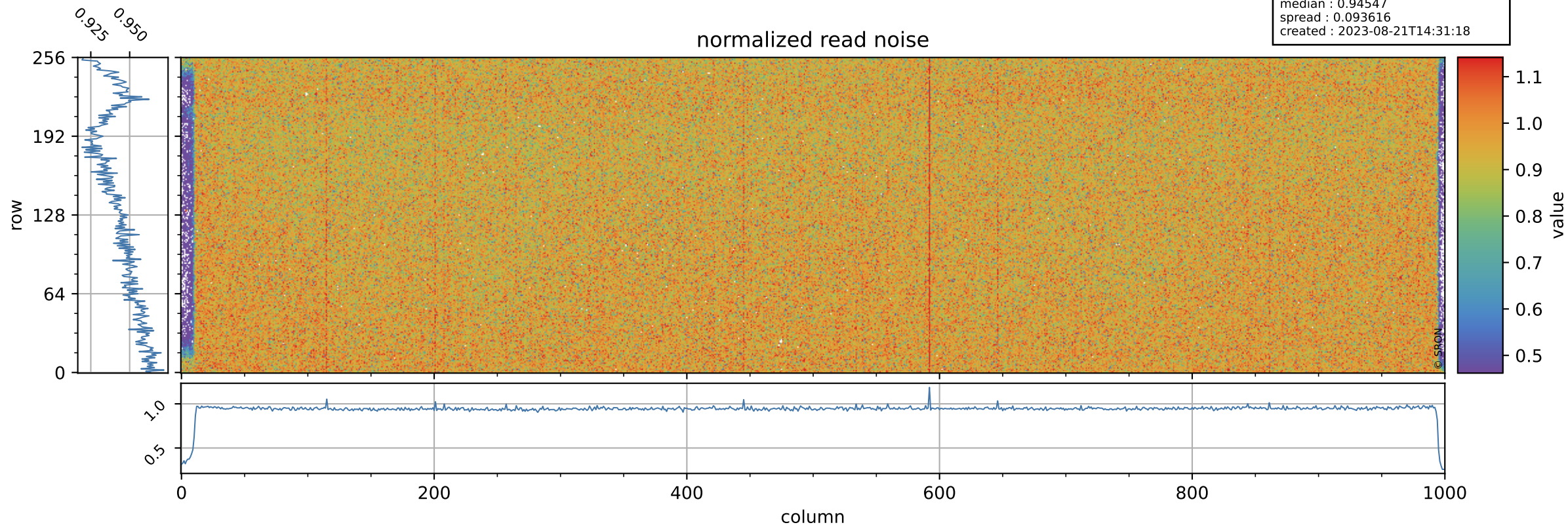
orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
median : 1.1283 e  
spread : 0.062297 e  
created : 2023-08-21T14:31:17



# Tropomi SWIR background noise (swir)

orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
median : 0.94547  
spread : 0.093616  
created : 2023-08-21T14:31:18

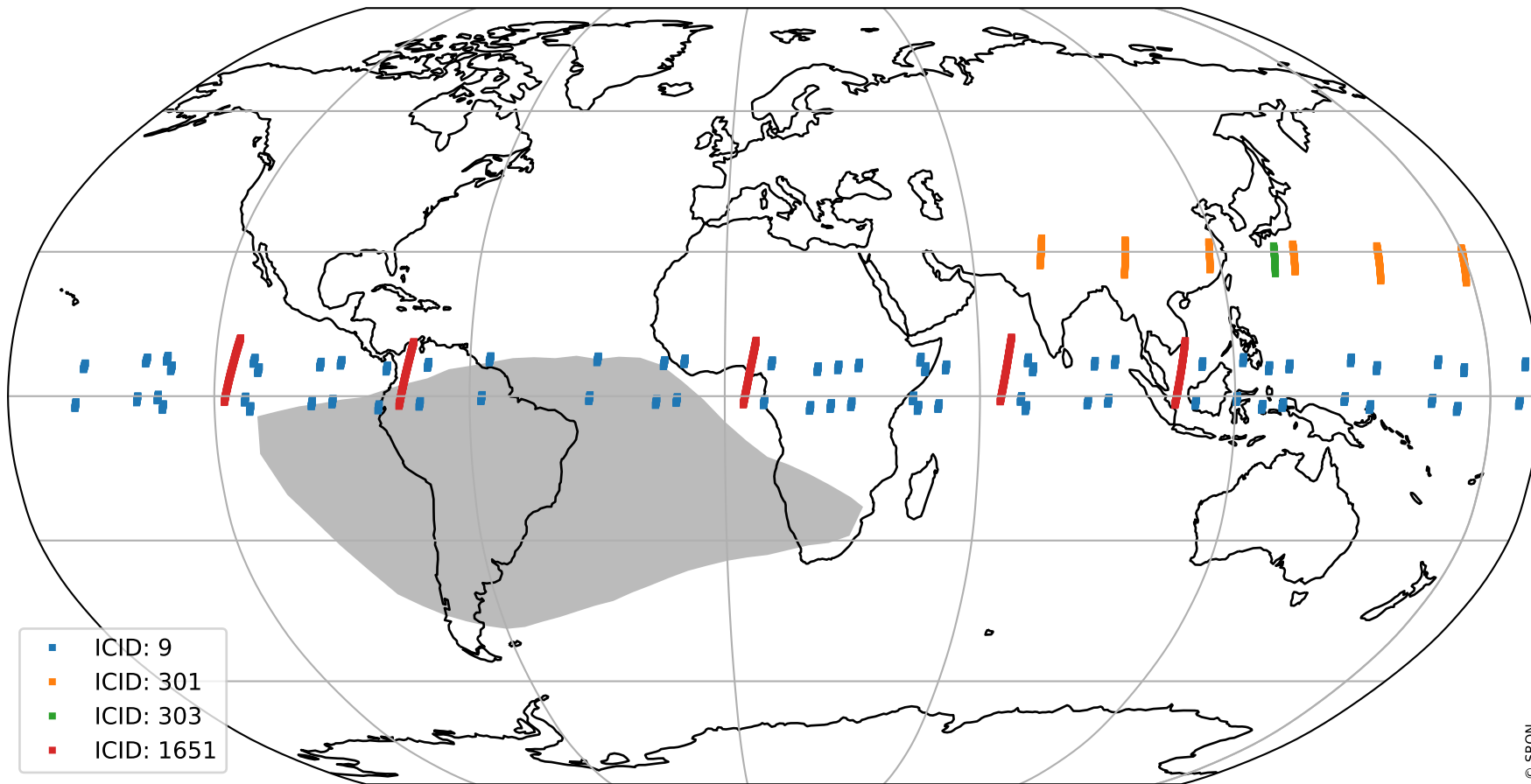
## normalized read noise





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

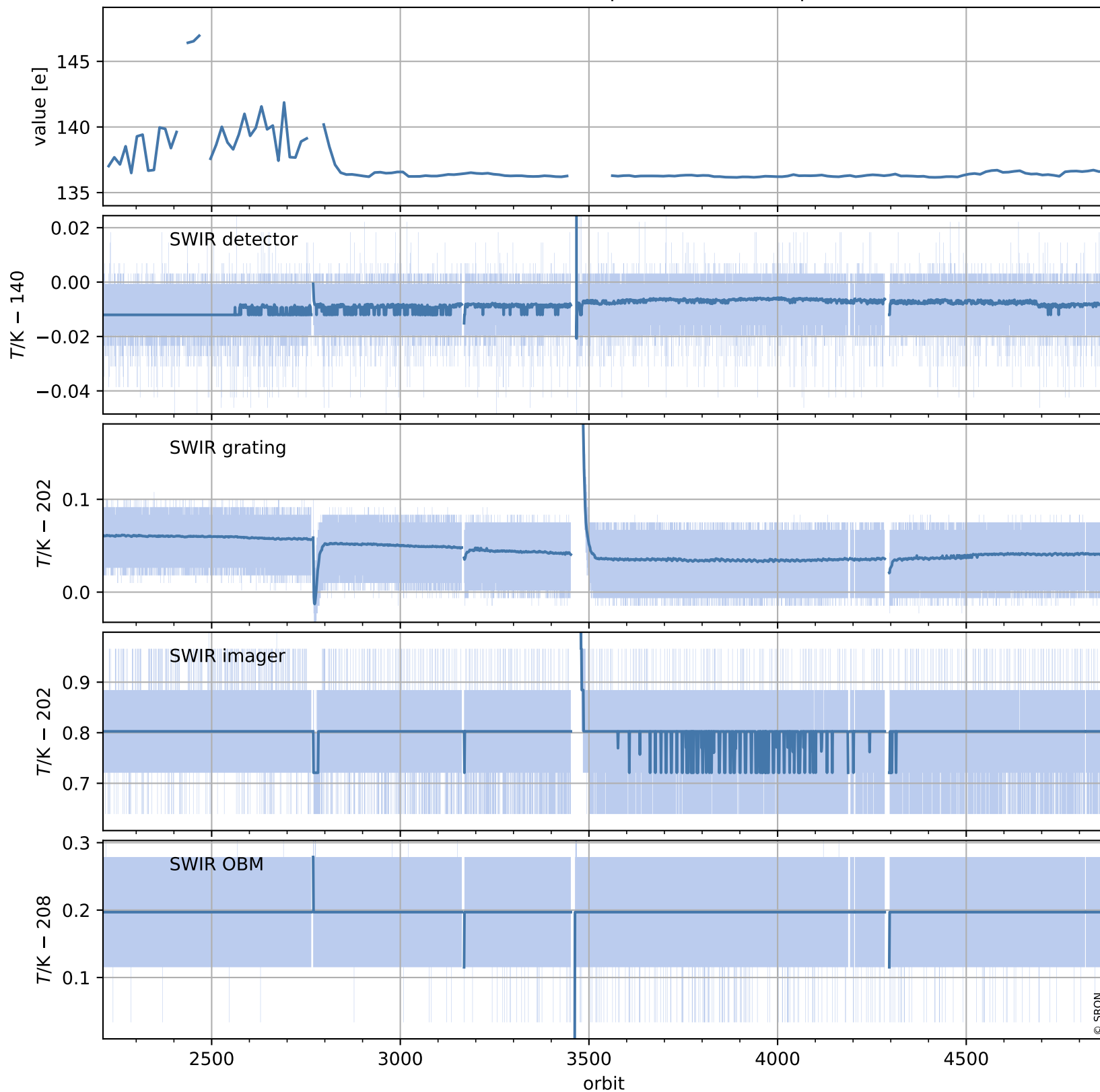
orbits : 12 in [4792, 4867]  
coverage : 2018-09-15 / 2018-09-20  
created : 2023-08-21T14:31:18



# Tropomi SWIR background noise (swir)

orbits : [2212, 4867]  
coverage : 2018-03-18 / 2018-09-20  
created : 2023-08-21T14:31:18

## trend of detector median of plain noise & temperatures

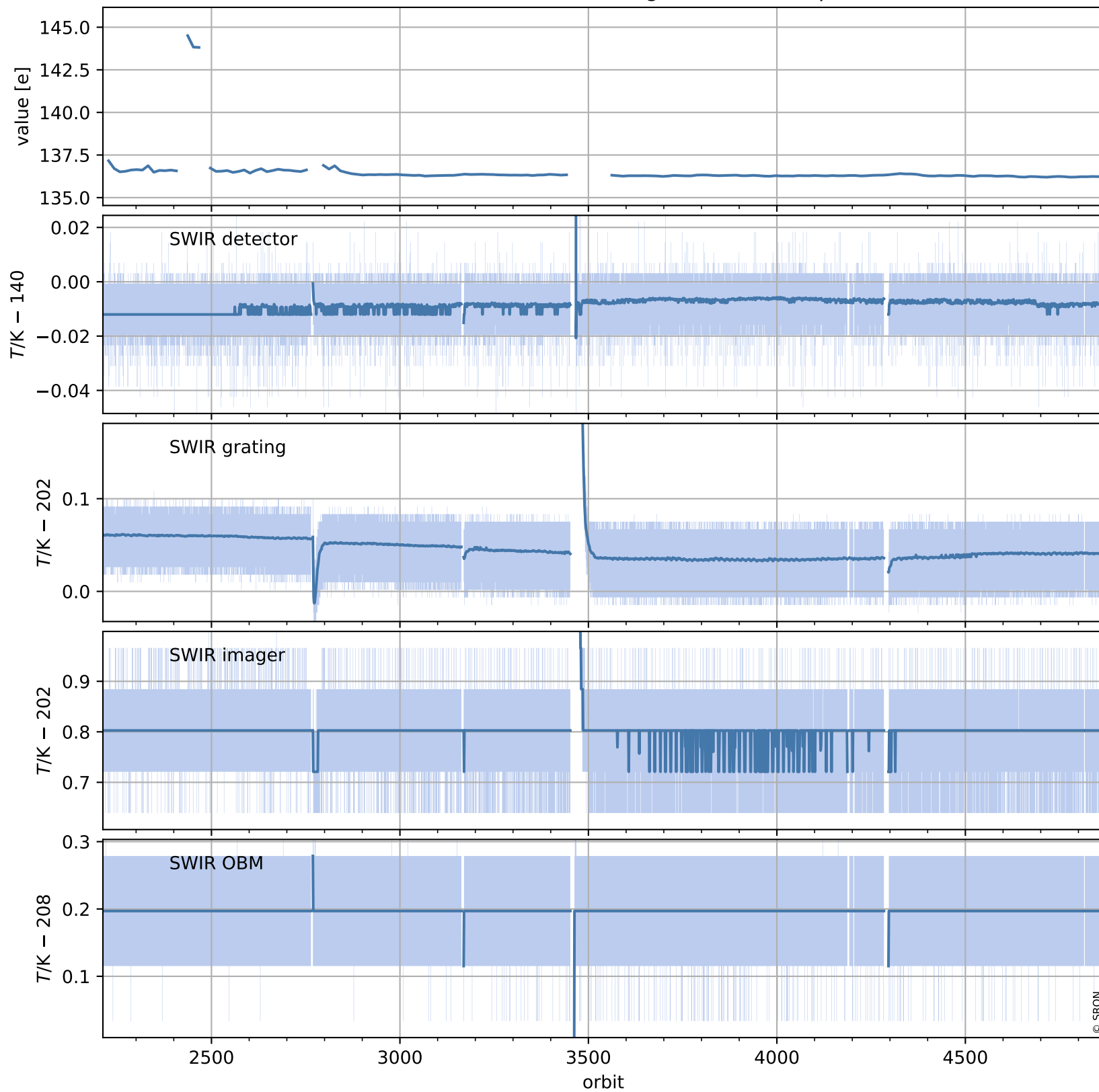




# Tropomi SWIR background noise (swir)

orbits : [2212, 4867]  
coverage : 2018-03-18 / 2018-09-20  
created : 2023-08-21T14:31:19

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4867]  
coverage : 2018-03-18 / 2018-09-20  
created : 2023-08-21T14:31:20

## trend of normalized read-noise & temperatures

