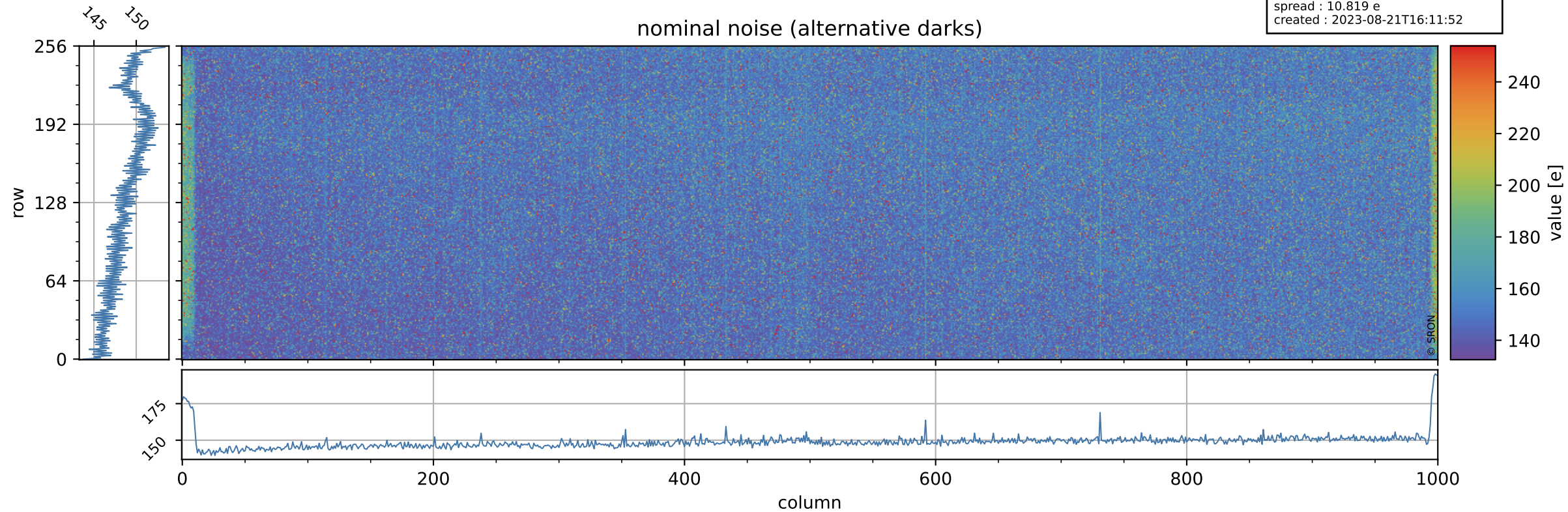


# Tropomi SWIR background noise (swir)

orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.6 e  
spread : 10.819 e  
created : 2023-08-21T16:11:52

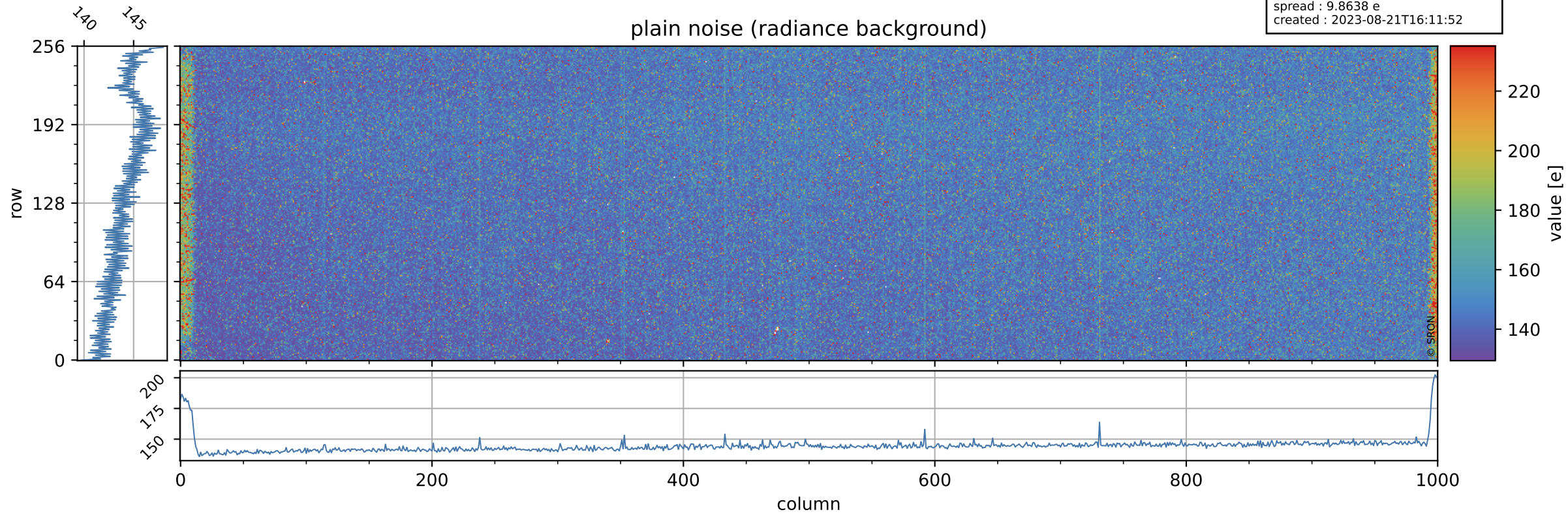
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.99 e  
spread : 9.8638 e  
created : 2023-08-21T16:11:52

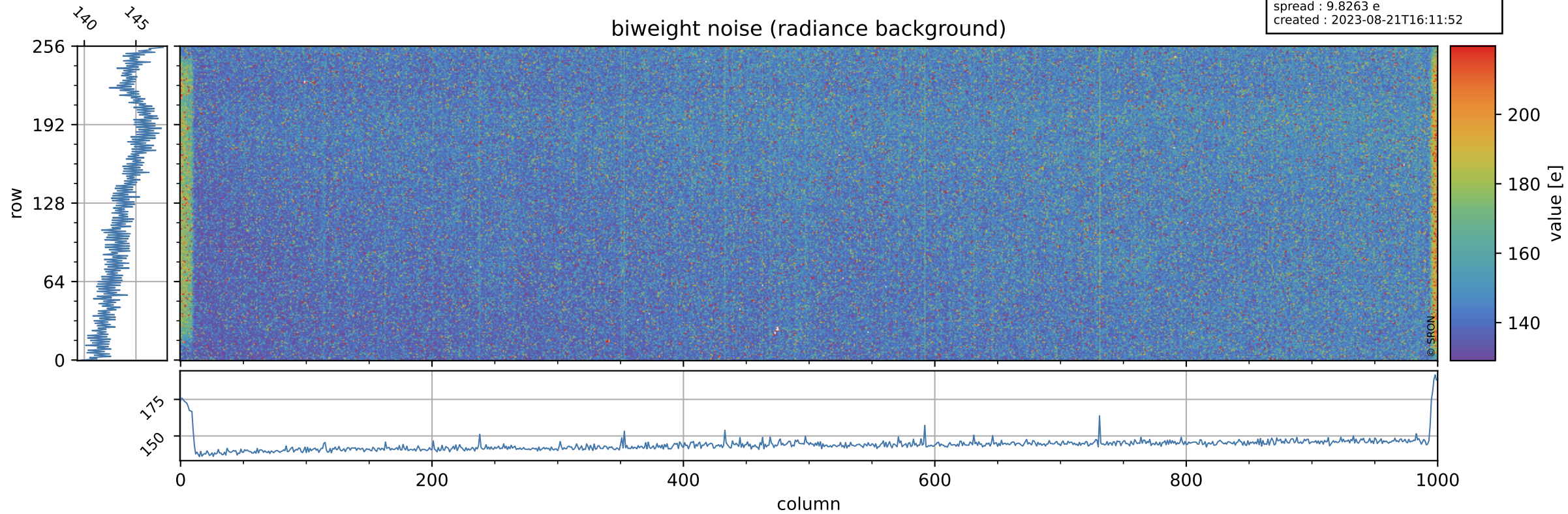
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.82 e  
spread : 9.8263 e  
created : 2023-08-21T16:11:52

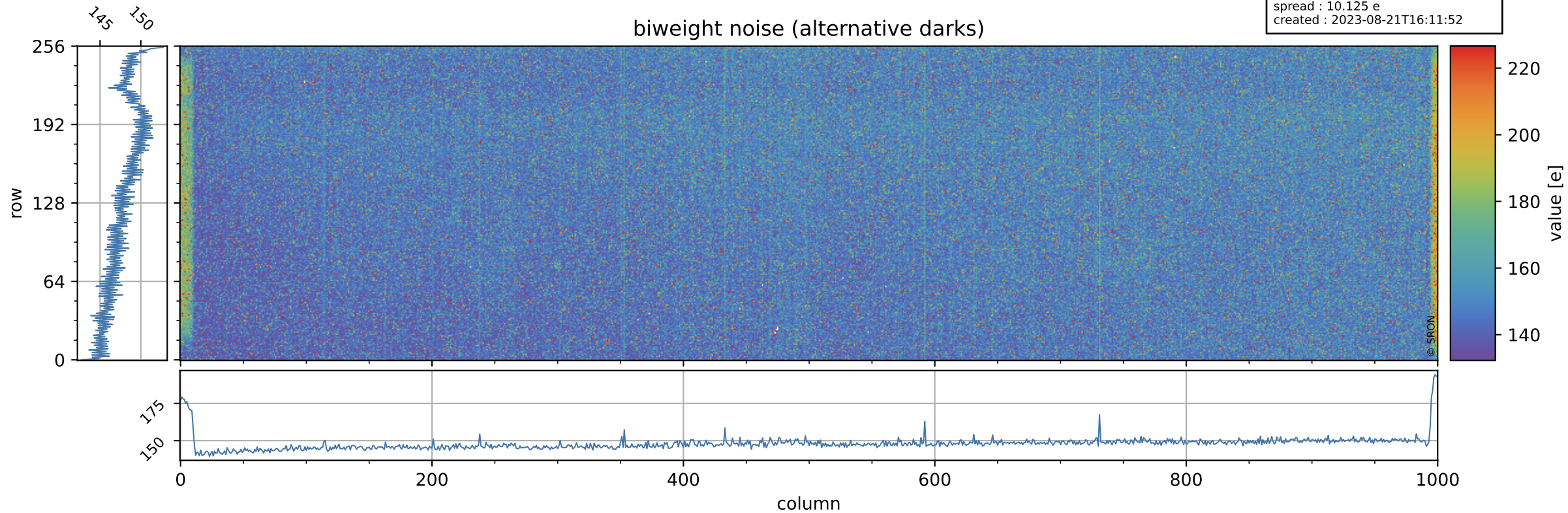
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.125 e  
created : 2023-08-21T16:11:52

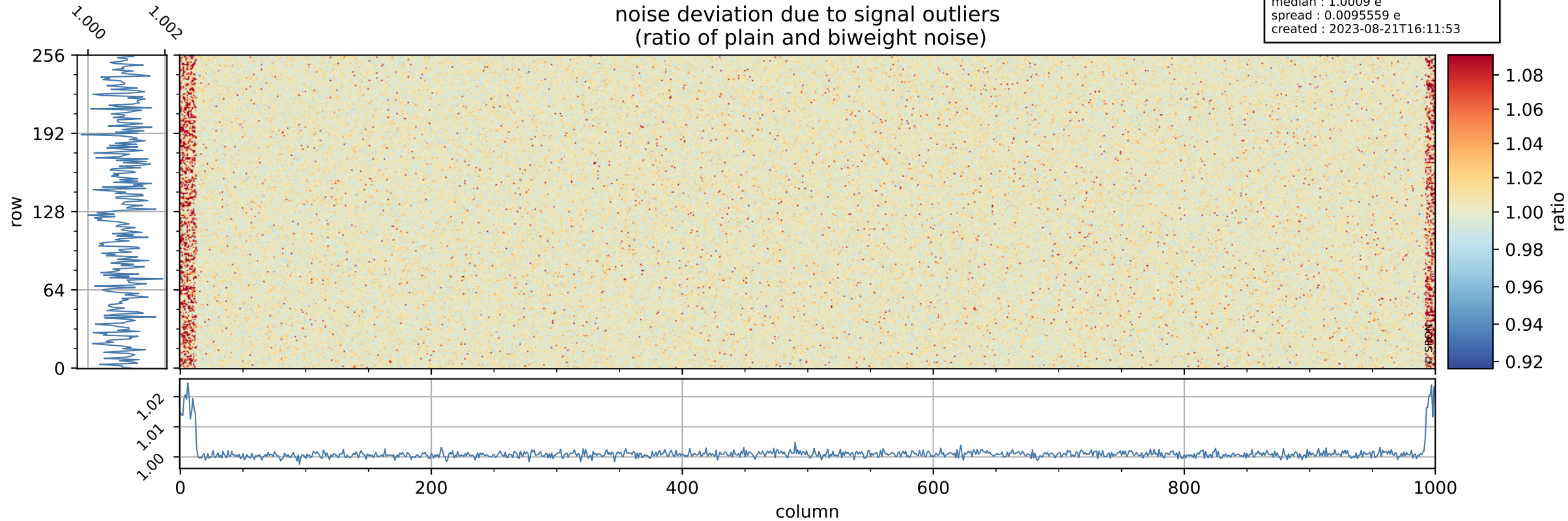
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

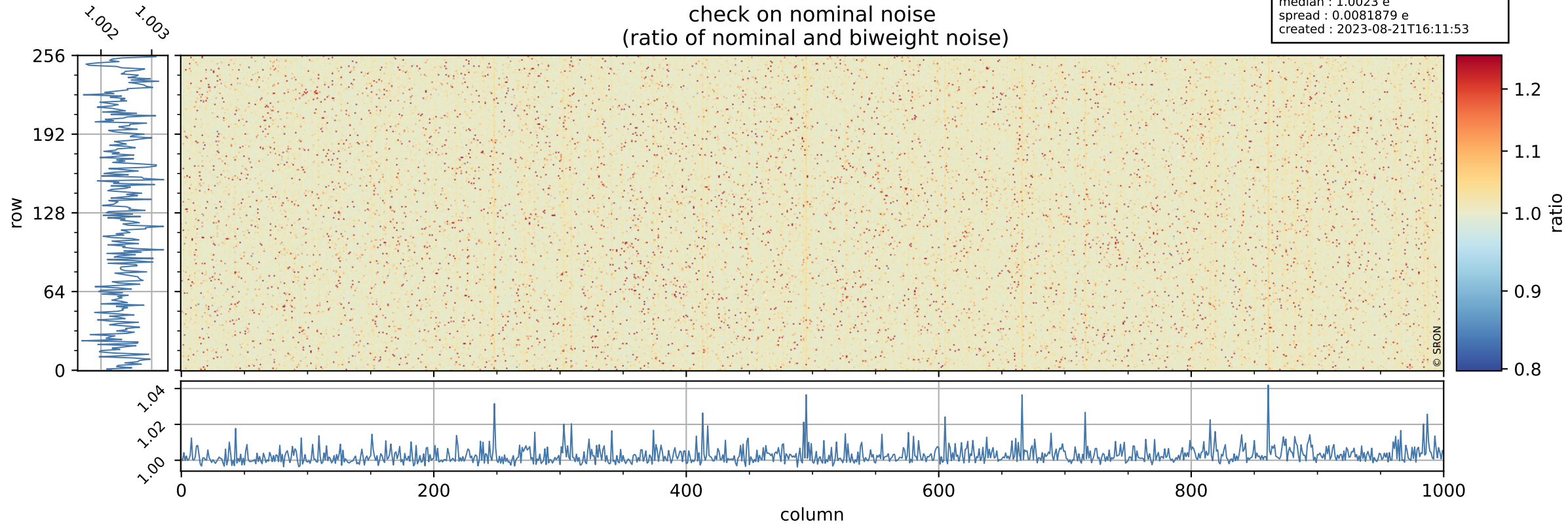
orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
median : 1.0009 e  
spread : 0.0095559 e  
created : 2023-08-21T16:11:53



# Tropomi SWIR background noise (swir)

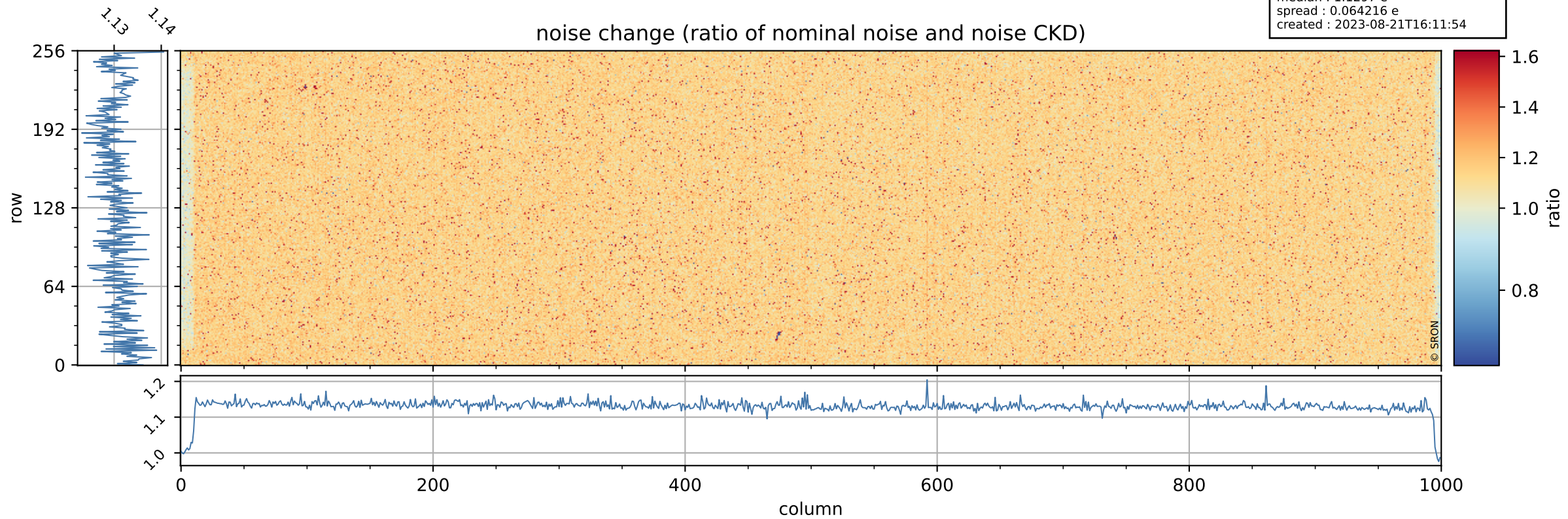
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
median : 1.0023 e  
spread : 0.0081879 e  
created : 2023-08-21T16:11:53



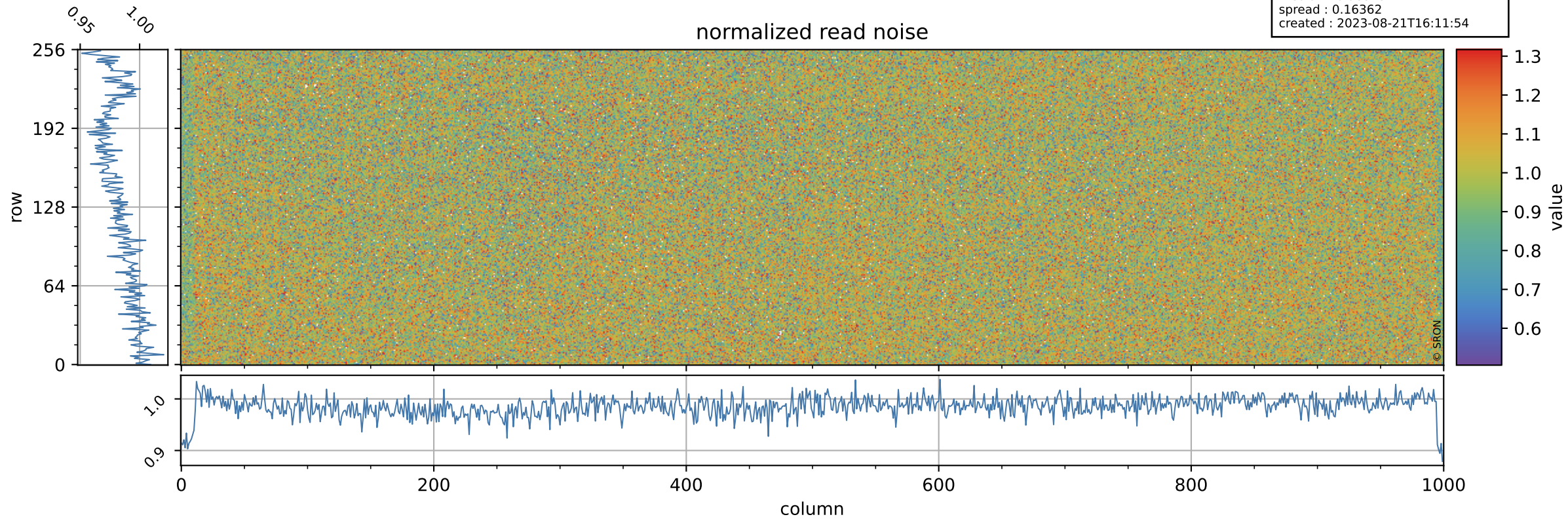
# Tropomi SWIR background noise (swir)

orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
median : 1.1297 e  
spread : 0.064216 e  
created : 2023-08-21T16:11:54



# Tropomi SWIR background noise (swir)

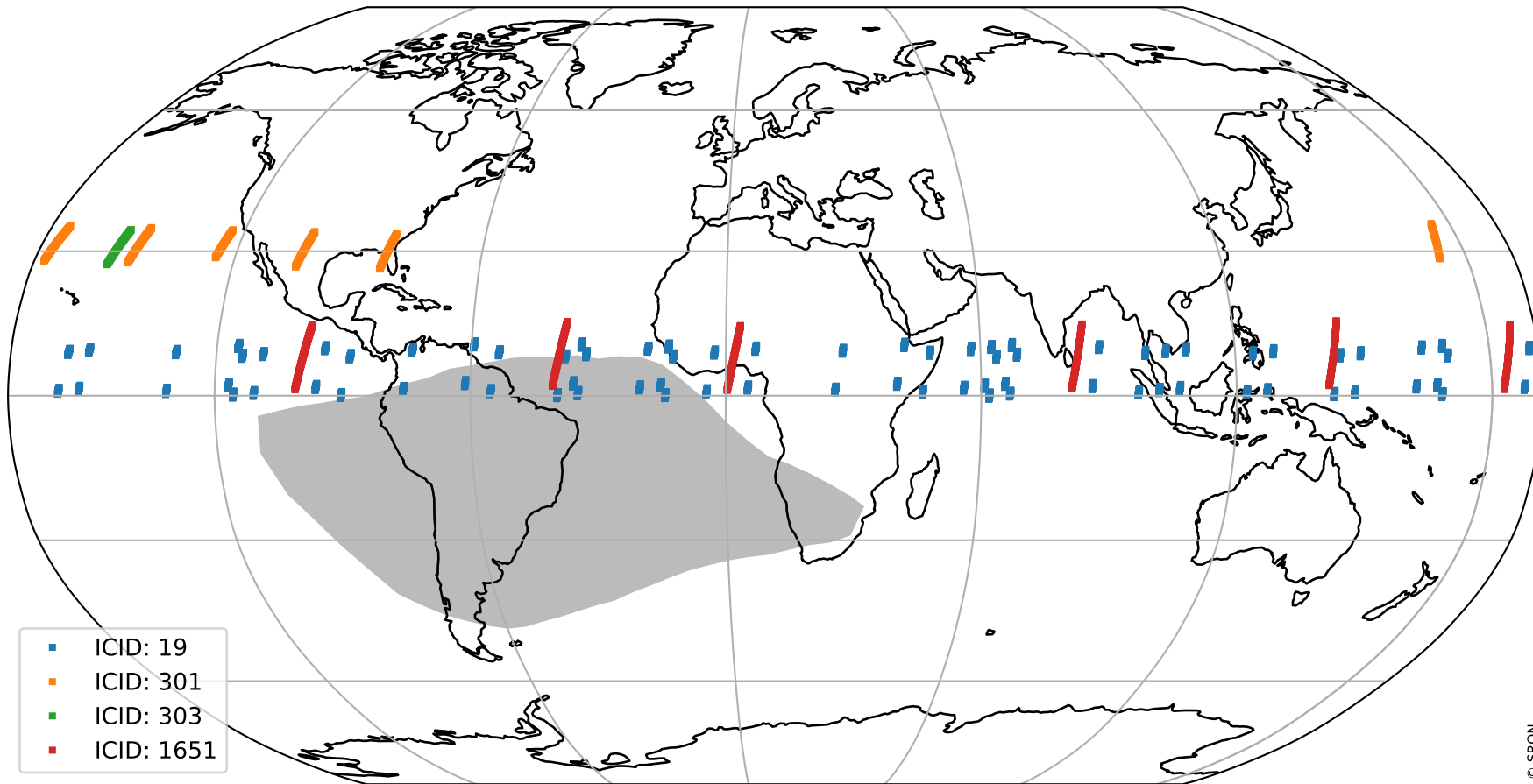
orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
median : 0.98345  
spread : 0.16362  
created : 2023-08-21T16:11:54





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

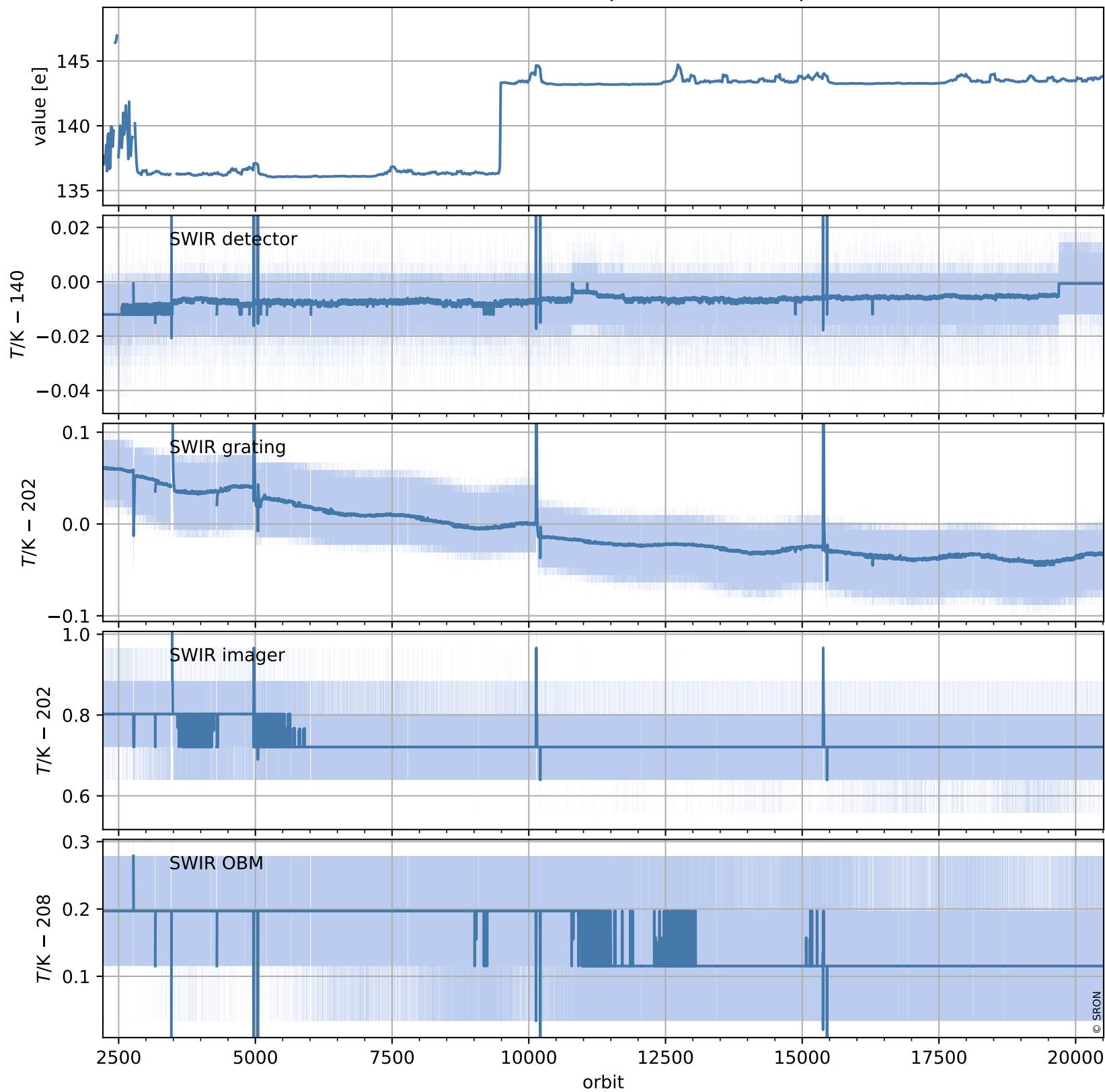
orbits : 13 in [20422, 20512]  
coverage : 2021-09-22 / 2021-09-27  
created : 2023-08-21T16:11:54



# Tropomi SWIR background noise (swir)

orbits : [2212, 20512]  
coverage : 2018-03-18 / 2021-09-27  
created : 2023-08-21T16:11:54

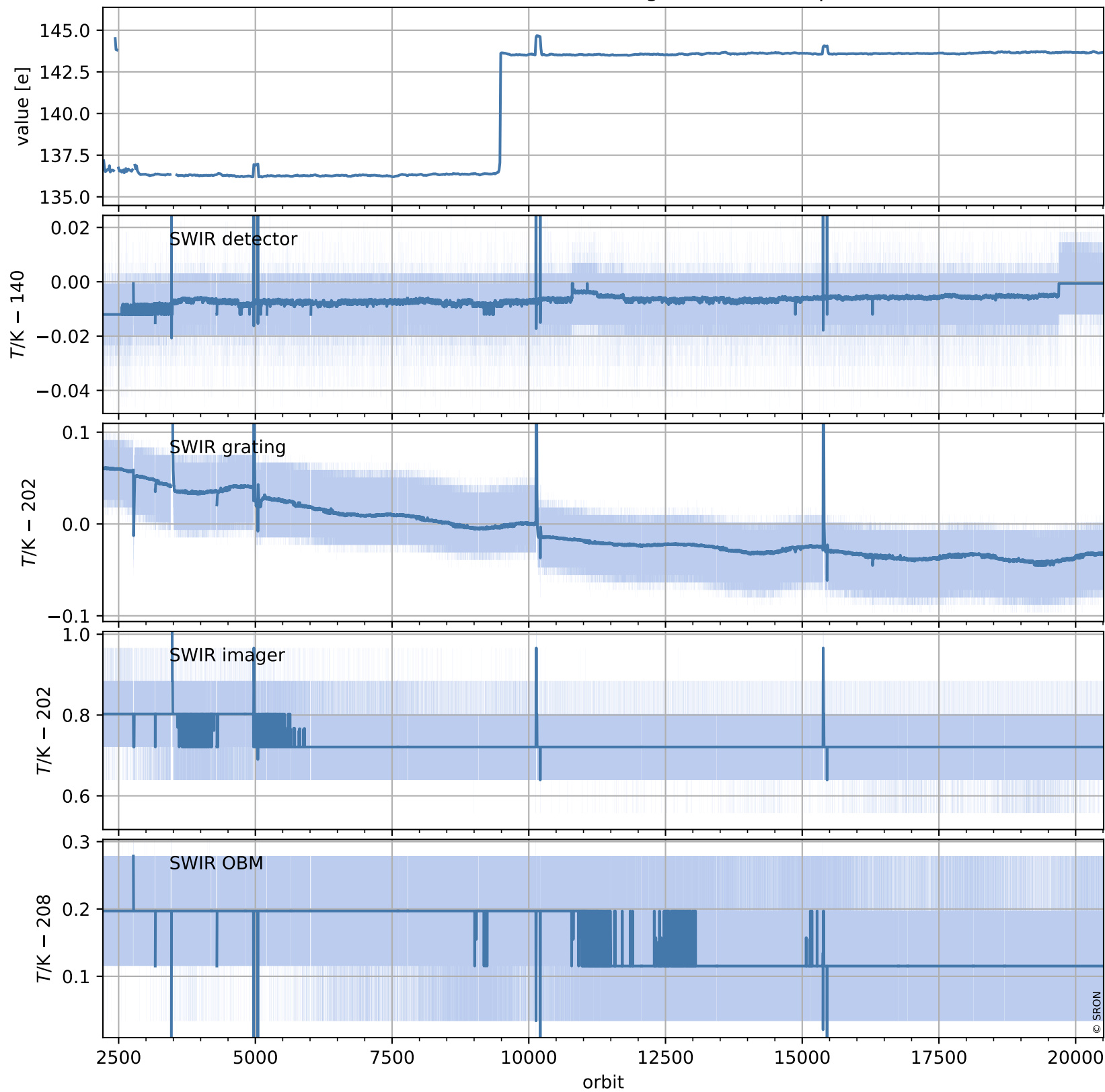
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20512]  
coverage : 2018-03-18 / 2021-09-27  
created : 2023-08-21T16:11:55

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20512]  
coverage : 2018-03-18 / 2021-09-27  
created : 2023-08-21T16:11:56

## trend of normalized read-noise & temperatures

