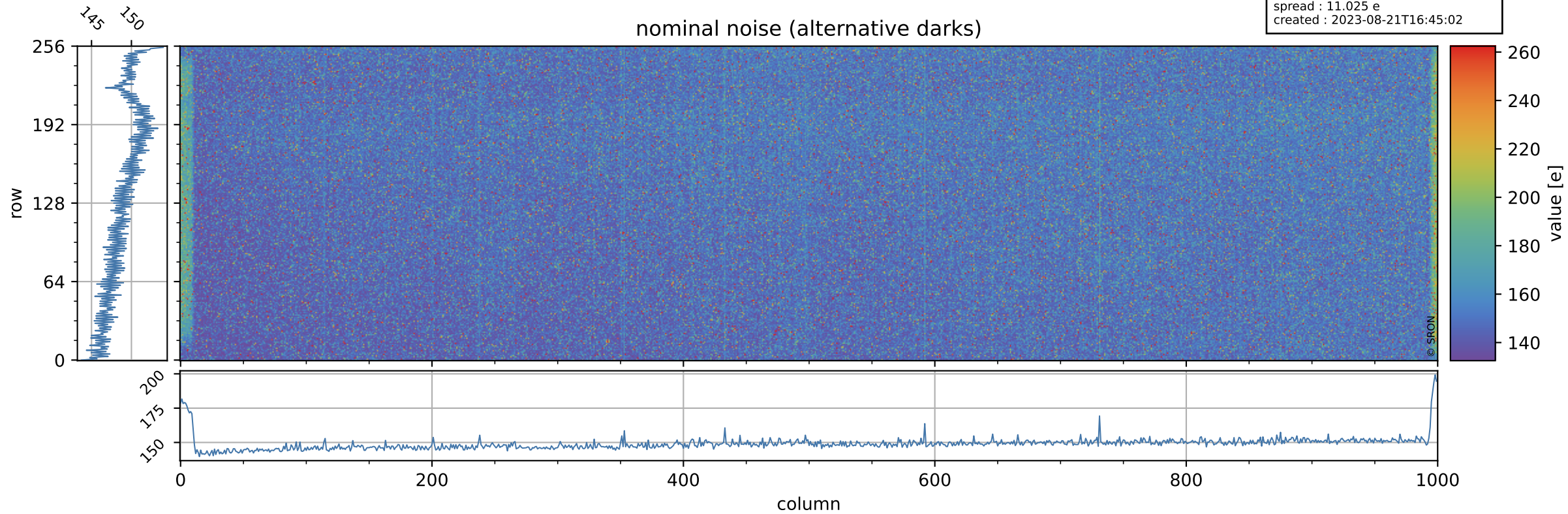


# Tropomi SWIR background noise (swir)

orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.86 e  
spread : 11.025 e  
created : 2023-08-21T16:45:02

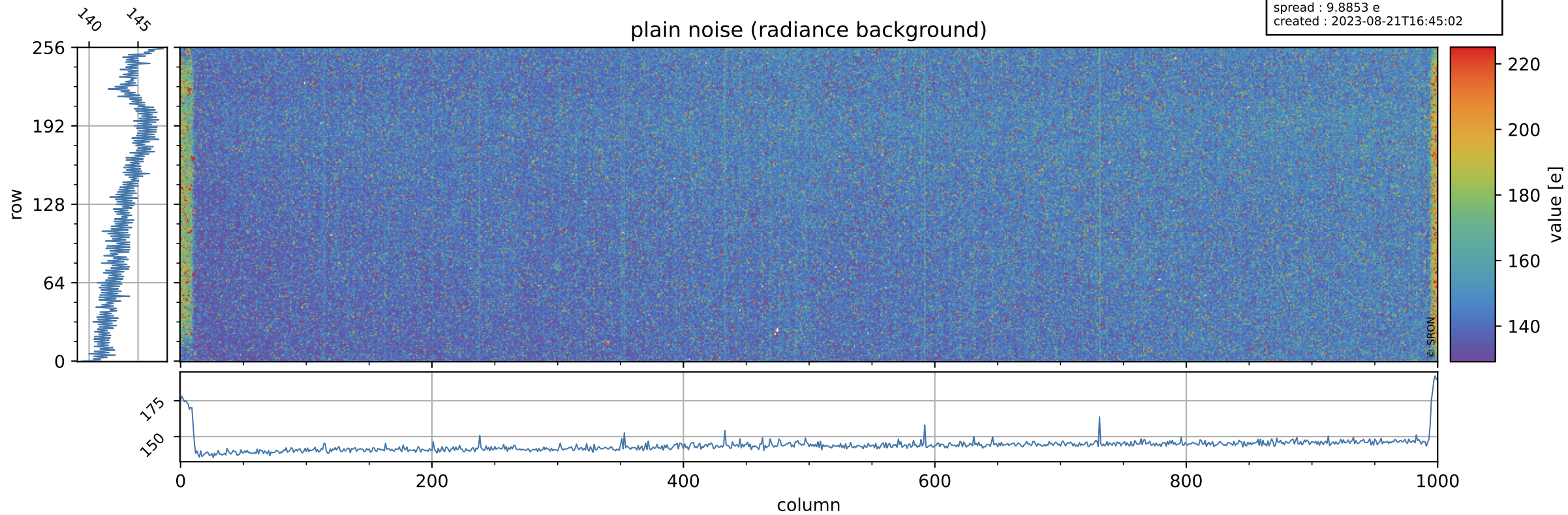
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.8853 e  
created : 2023-08-21T16:45:02

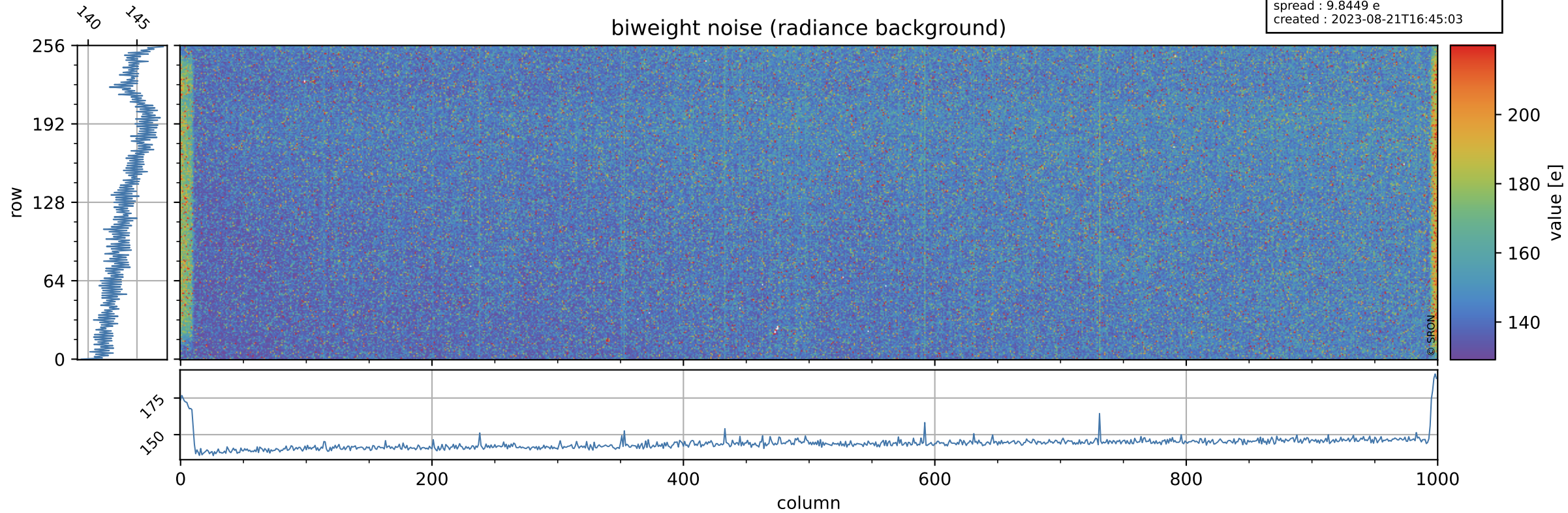
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.8449 e  
created : 2023-08-21T16:45:03

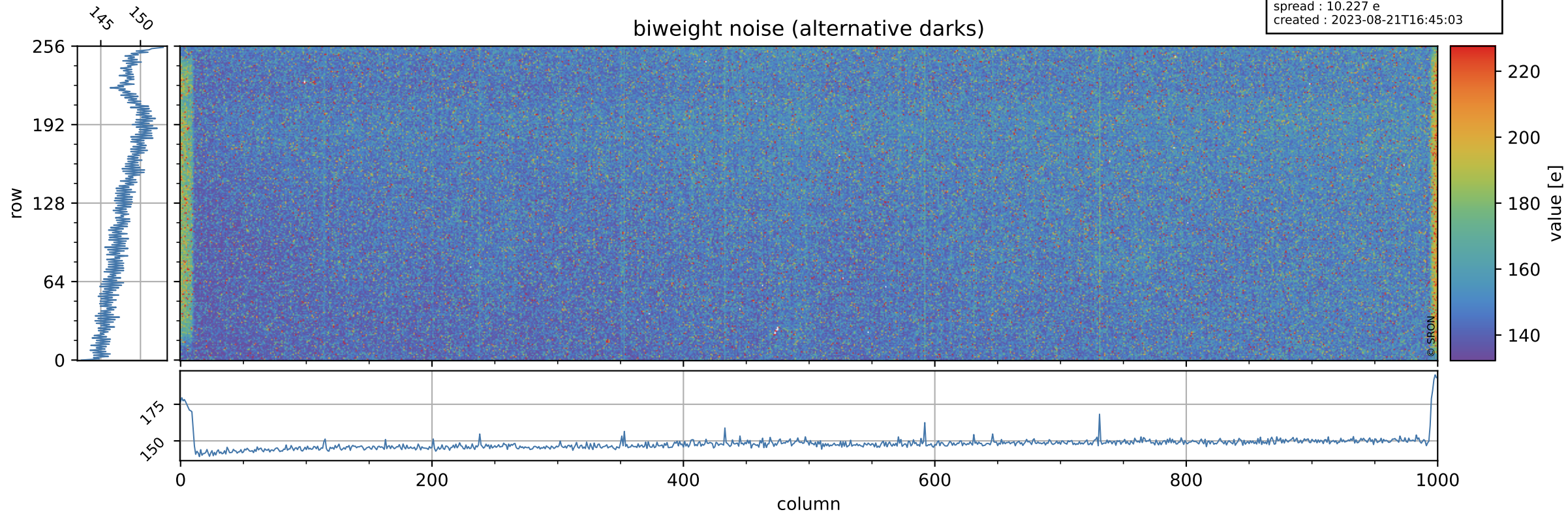
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.227 e  
created : 2023-08-21T16:45:03

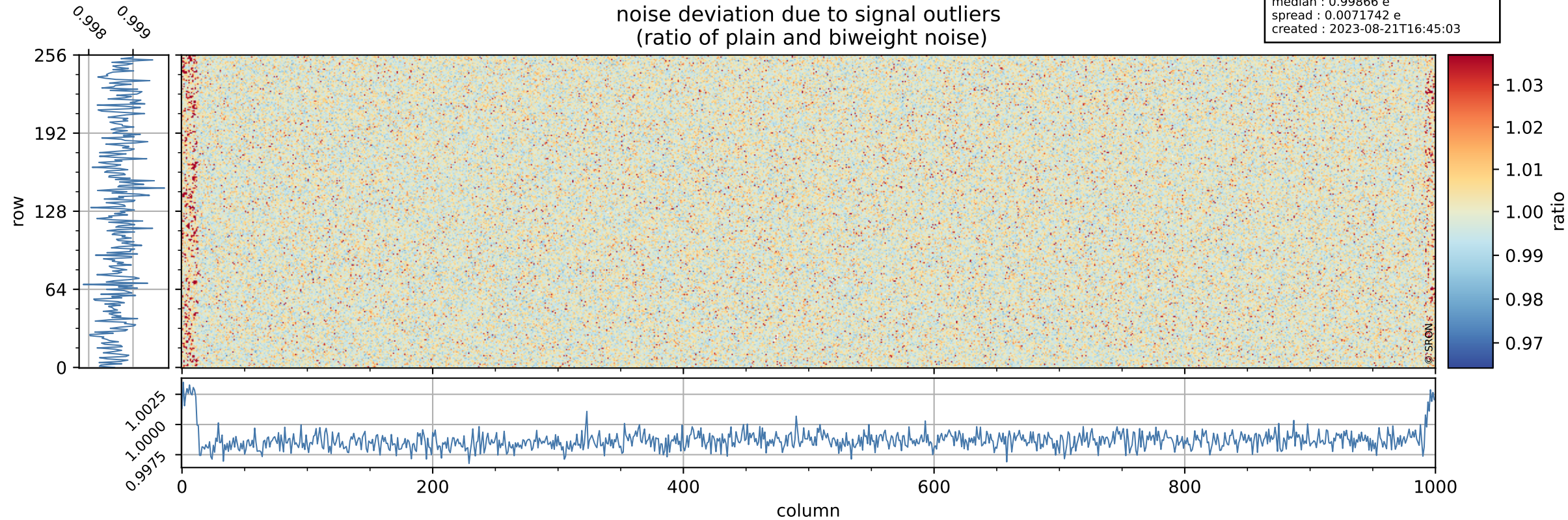
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

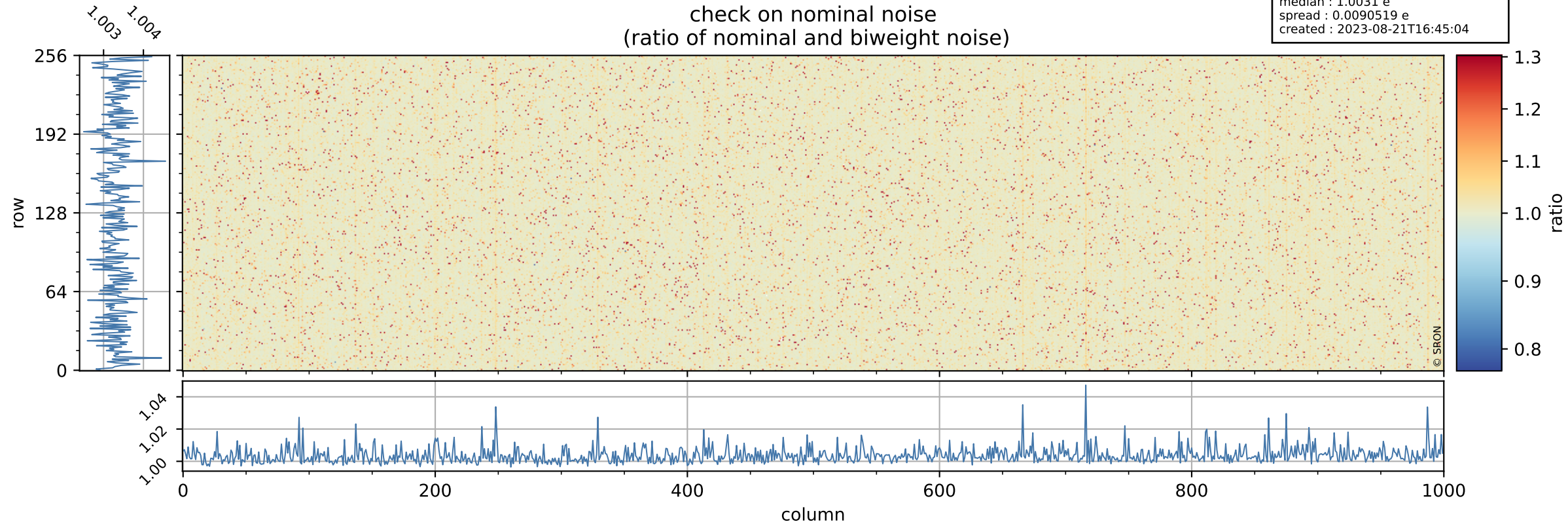
orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
median : 0.99866 e  
spread : 0.0071742 e  
created : 2023-08-21T16:45:03



# Tropomi SWIR background noise (swir)

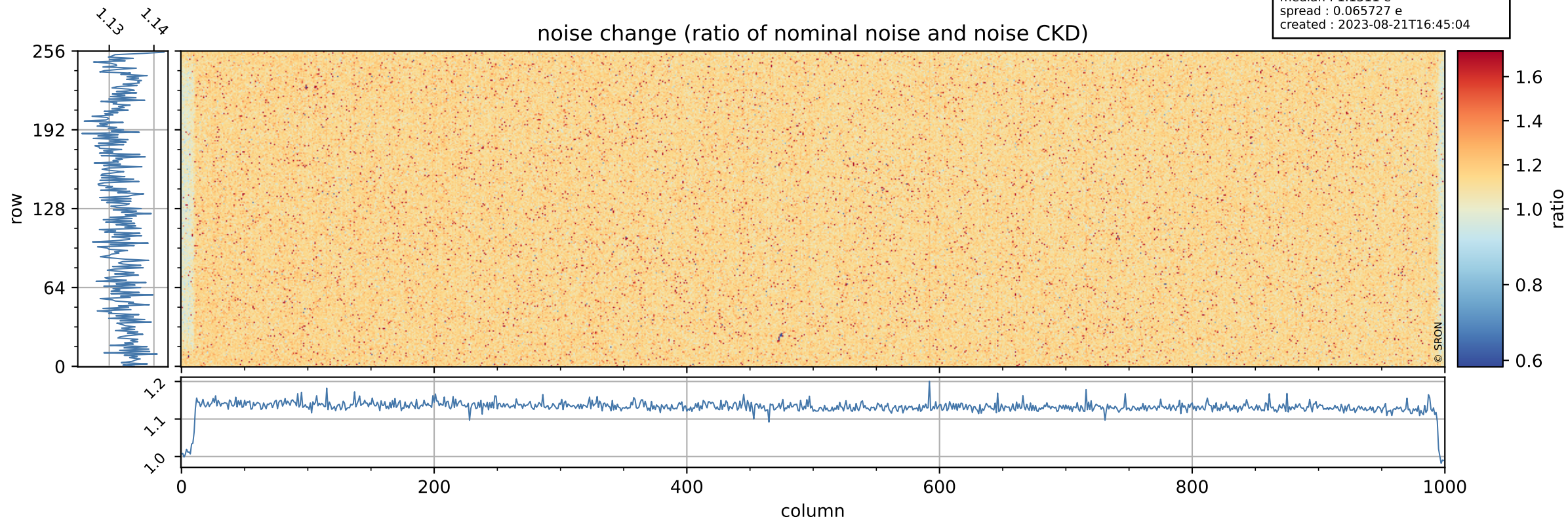
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
median : 1.0031 e  
spread : 0.0090519 e  
created : 2023-08-21T16:45:04



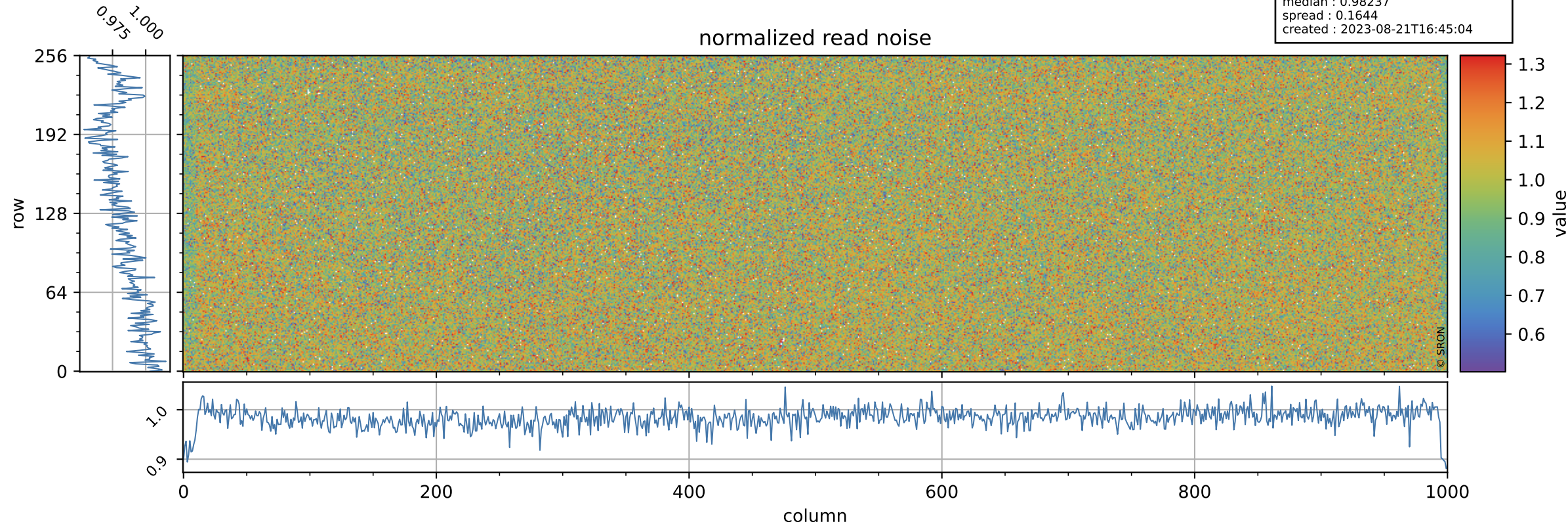
# Tropomi SWIR background noise (swir)

orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
median : 1.1311 e  
spread : 0.065727 e  
created : 2023-08-21T16:45:04



# Tropomi SWIR background noise (swir)

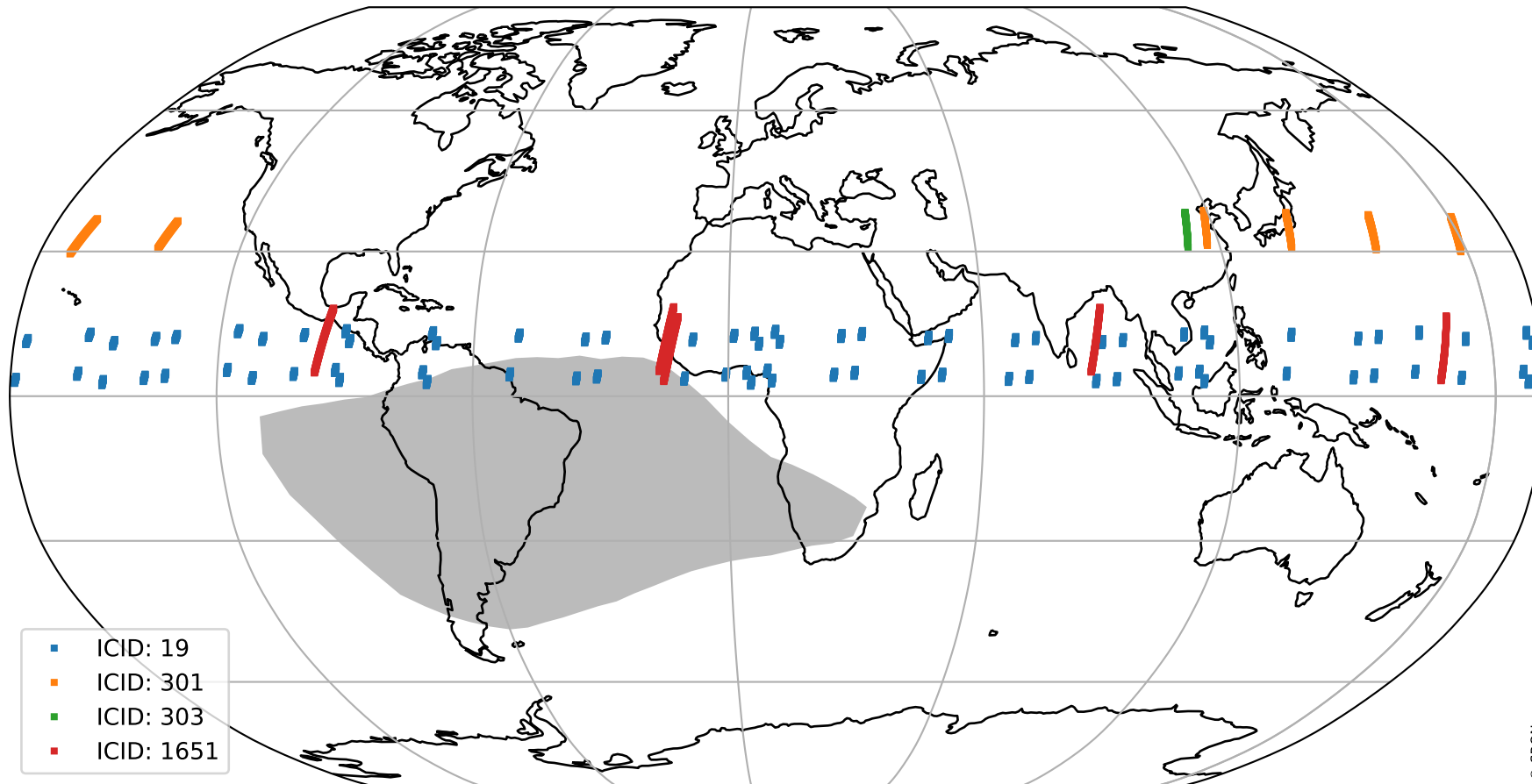
orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
median : 0.98237  
spread : 0.1644  
created : 2023-08-21T16:45:04





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

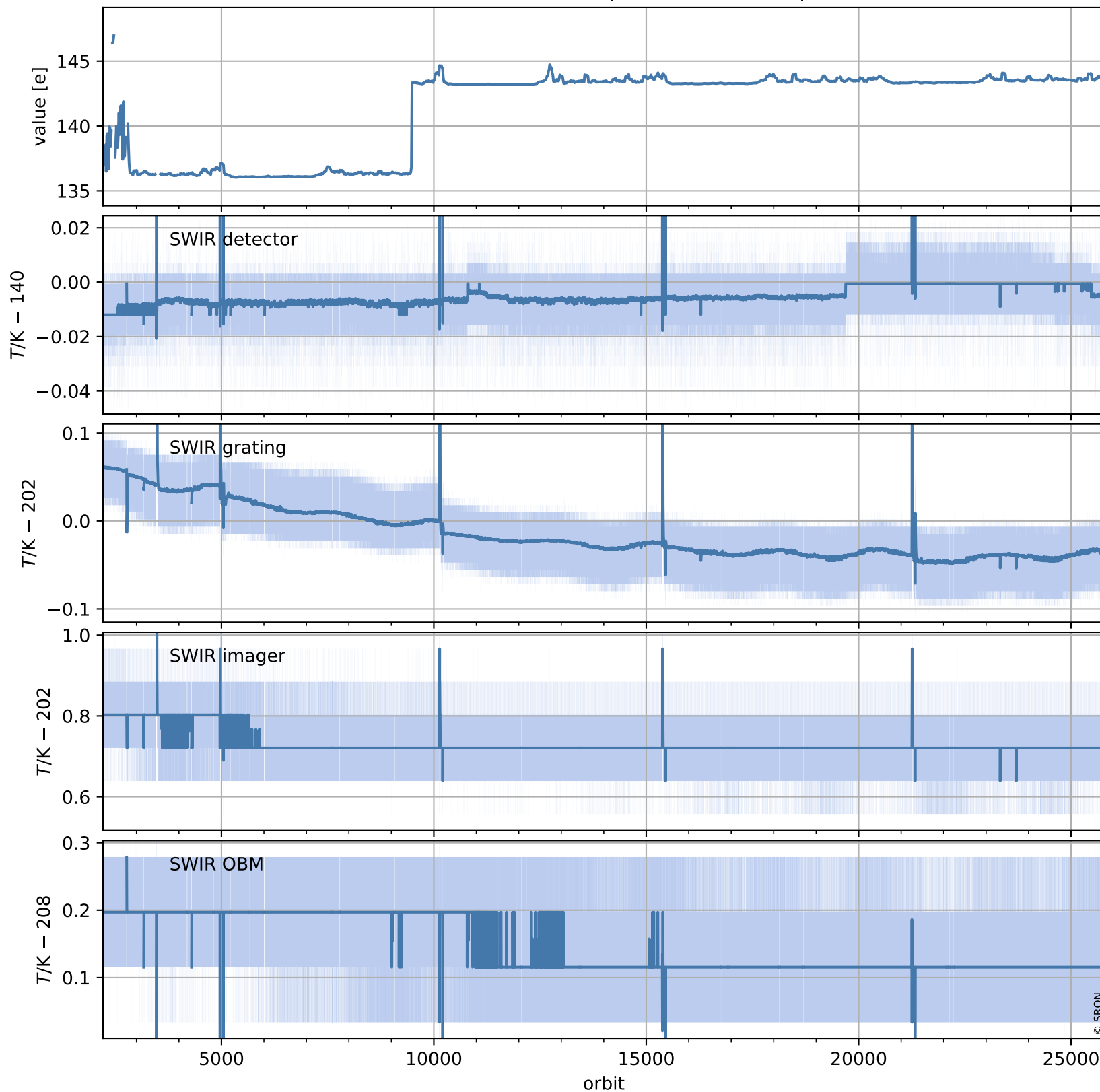
orbits : 12 in [25702, 25792]  
coverage : 2022-09-29 / 2022-10-05  
created : 2023-08-21T16:45:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 25792]  
coverage : 2018-03-18 / 2022-10-05  
created : 2023-08-21T16:45:05

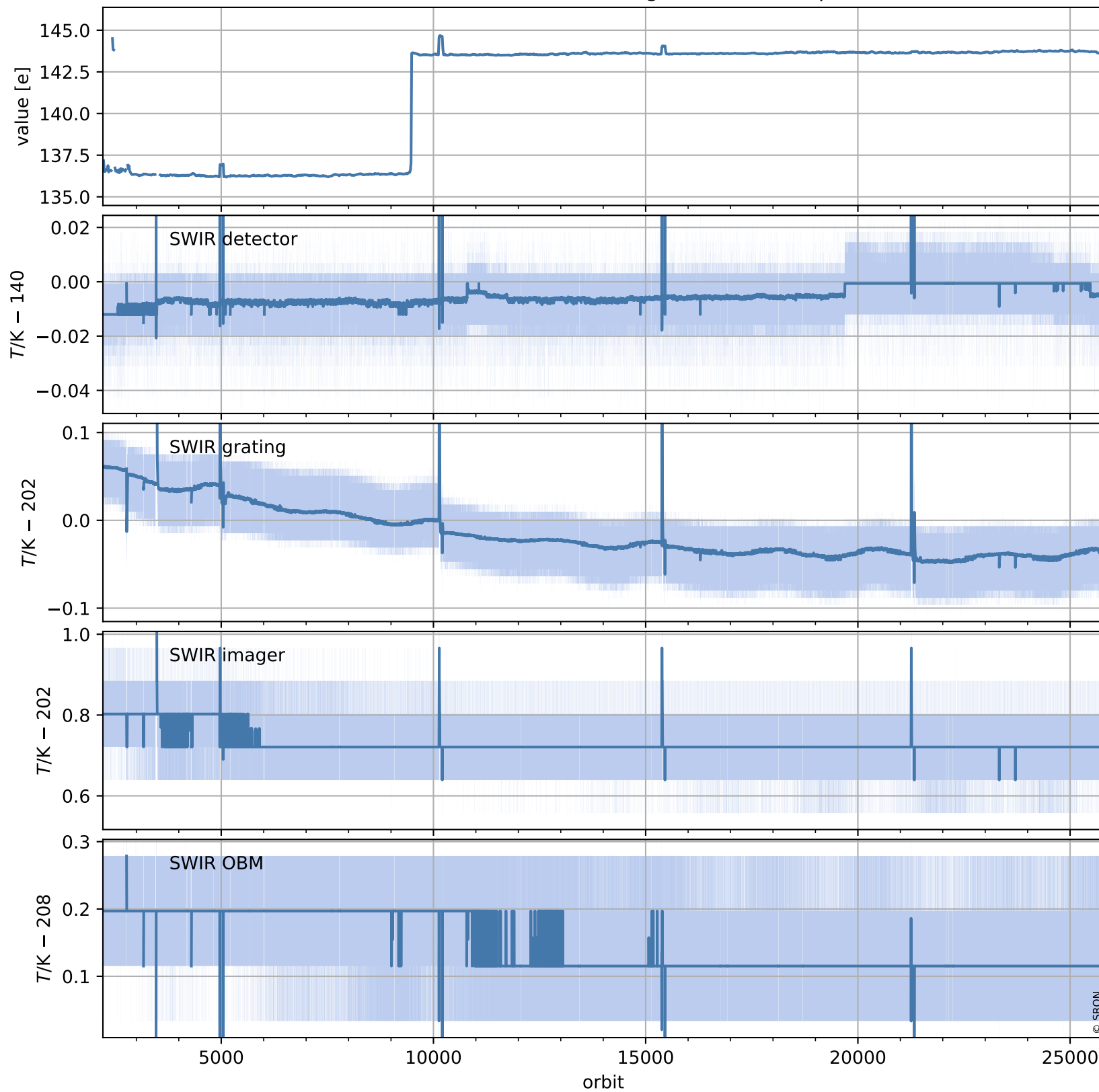
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25792]  
coverage : 2018-03-18 / 2022-10-05  
created : 2023-08-21T16:45:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25792]  
coverage : 2018-03-18 / 2022-10-05  
created : 2023-08-21T16:45:06

## trend of normalized read-noise & temperatures

