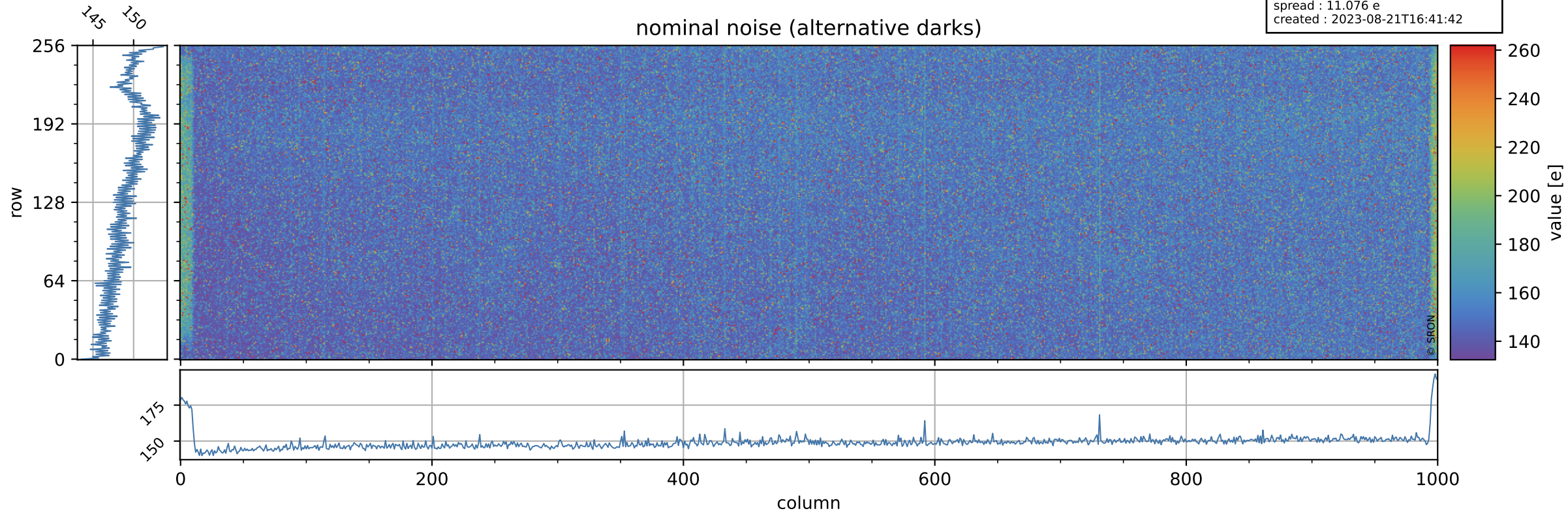


# Tropomi SWIR background noise (swir)

orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.85 e  
spread : 11.076 e  
created : 2023-08-21T16:41:42

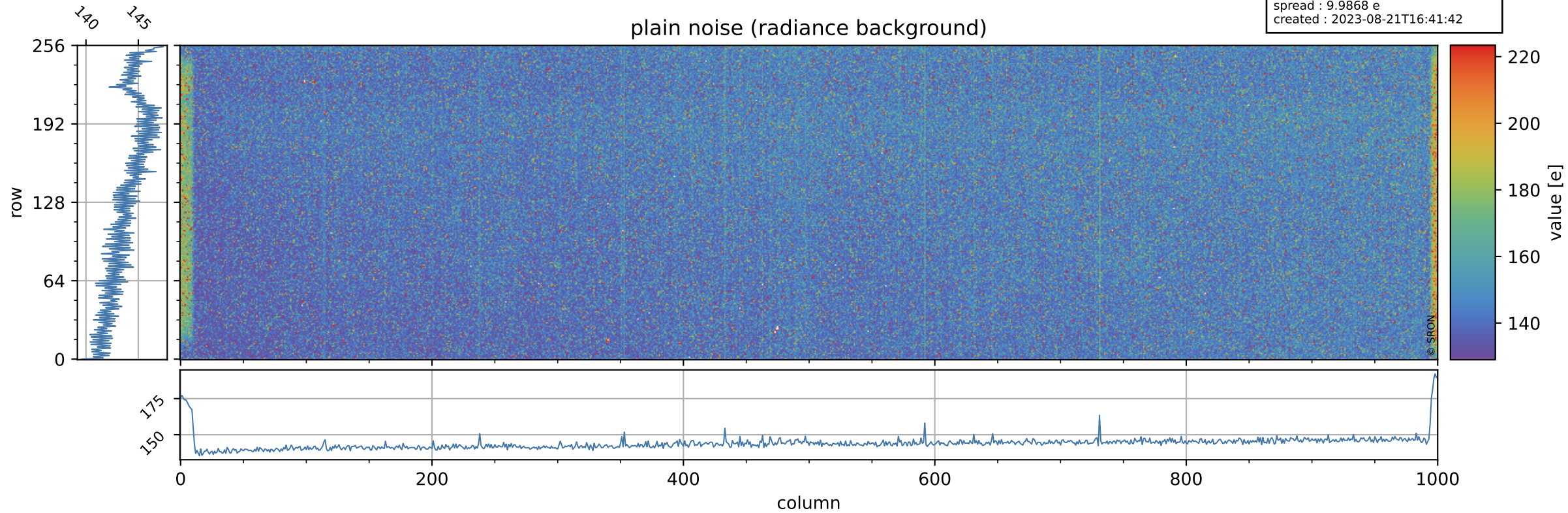
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.9868 e  
created : 2023-08-21T16:41:42

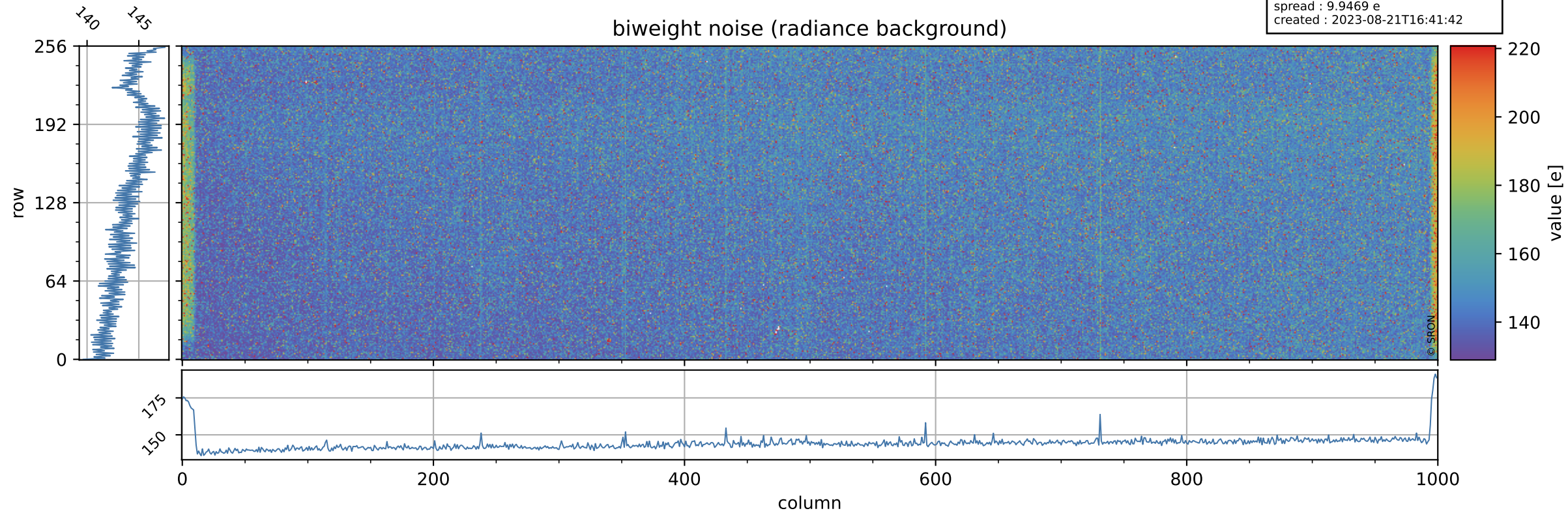
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.89 e  
spread : 9.9469 e  
created : 2023-08-21T16:41:42

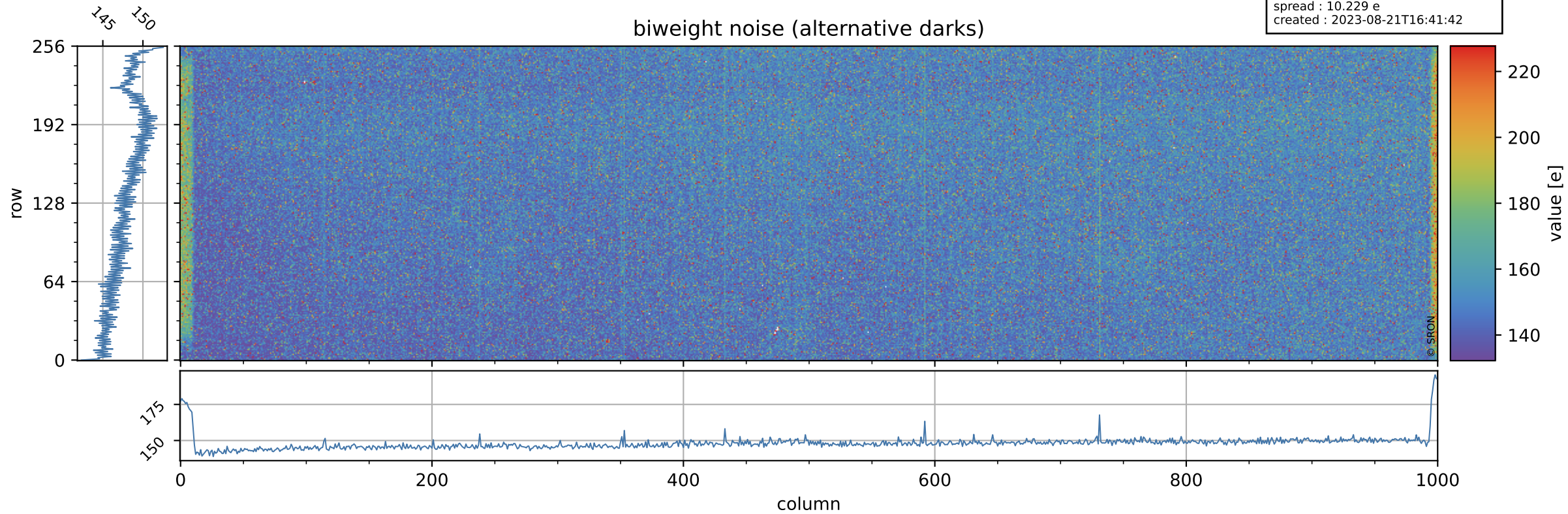
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.229 e  
created : 2023-08-21T16:41:42

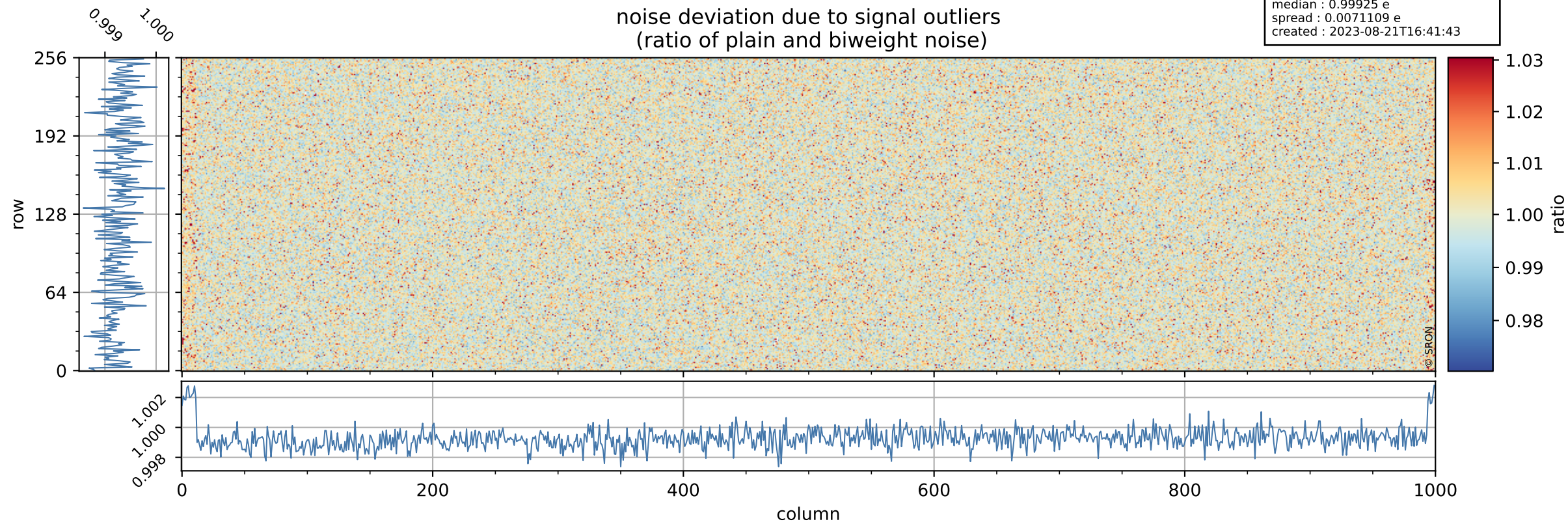
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

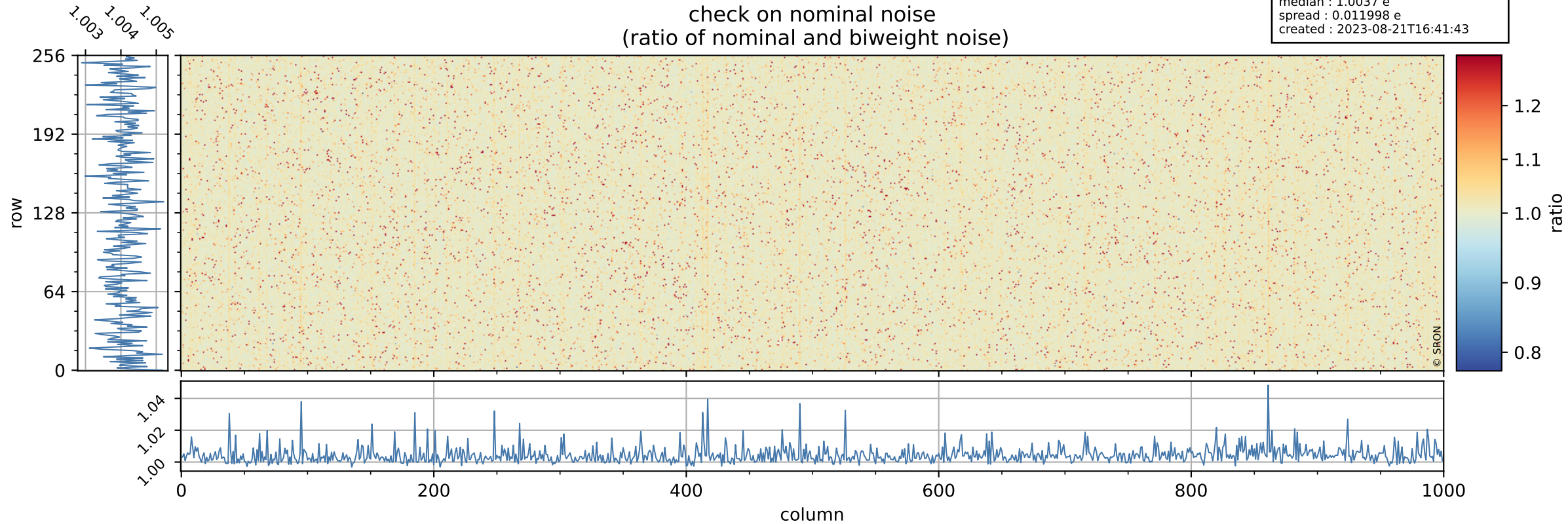
orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
median : 0.99925 e  
spread : 0.0071109 e  
created : 2023-08-21T16:41:43



# Tropomi SWIR background noise (swir)

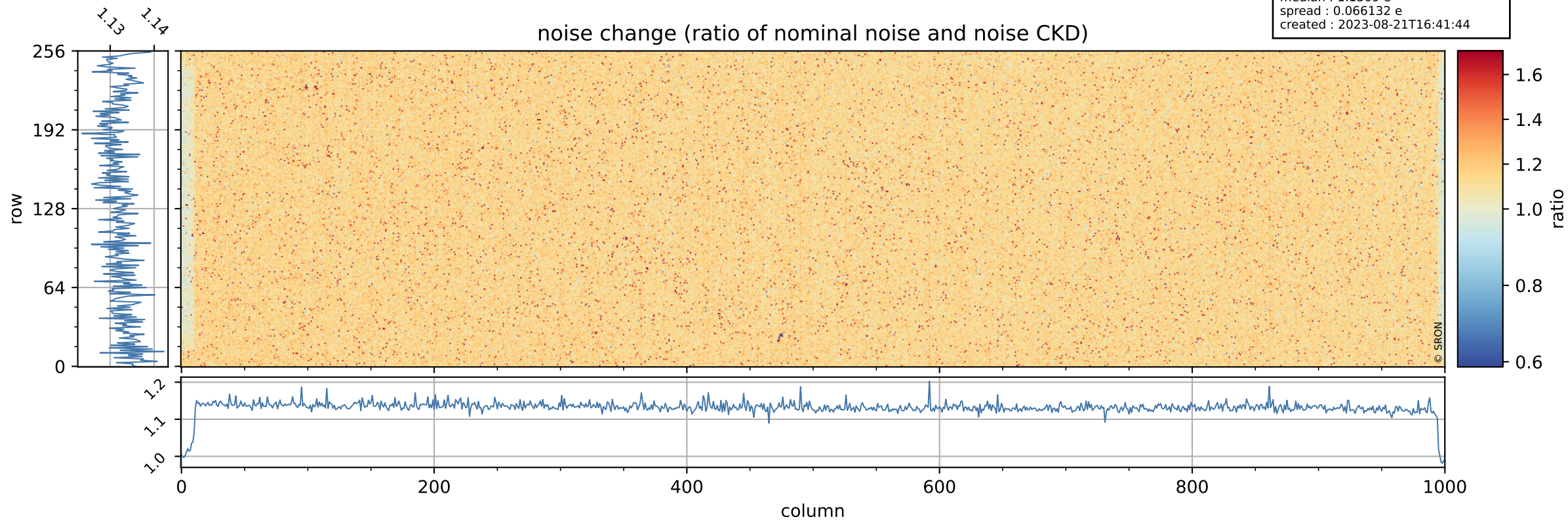
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
median : 1.0037 e  
spread : 0.011998 e  
created : 2023-08-21T16:41:43



# Tropomi SWIR background noise (swir)

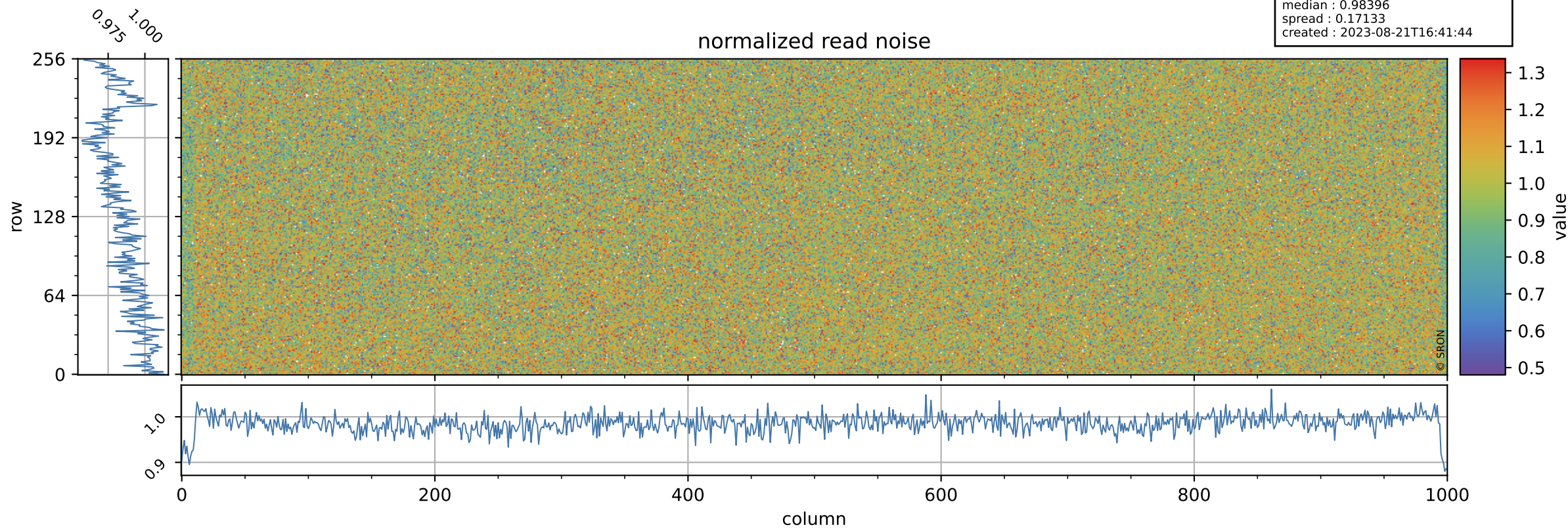
orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
median : 1.1309 e  
spread : 0.066132 e  
created : 2023-08-21T16:41:44



# Tropomi SWIR background noise (swir)

orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
median : 0.98396  
spread : 0.17133  
created : 2023-08-21T16:41:44

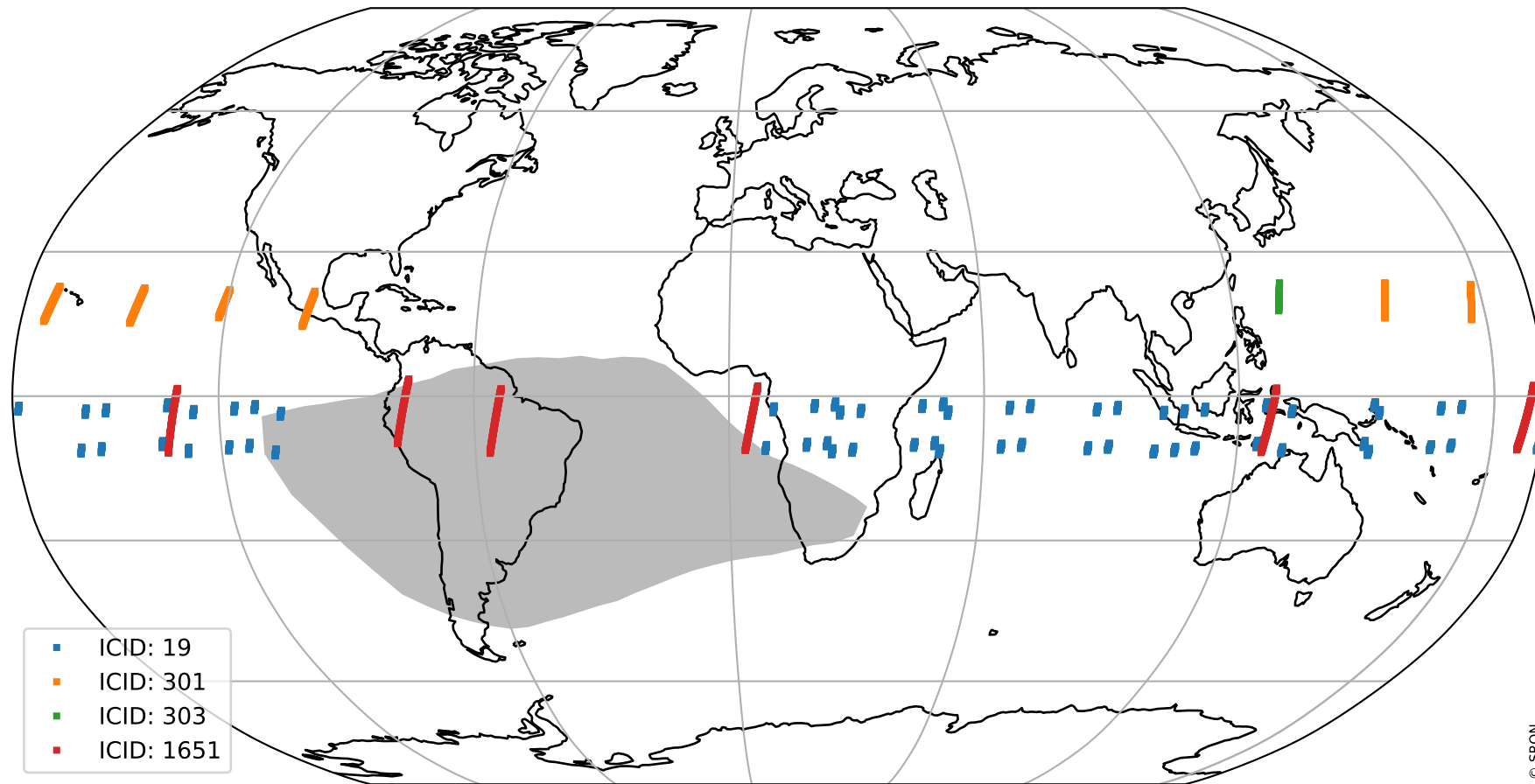
normalized read noise





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

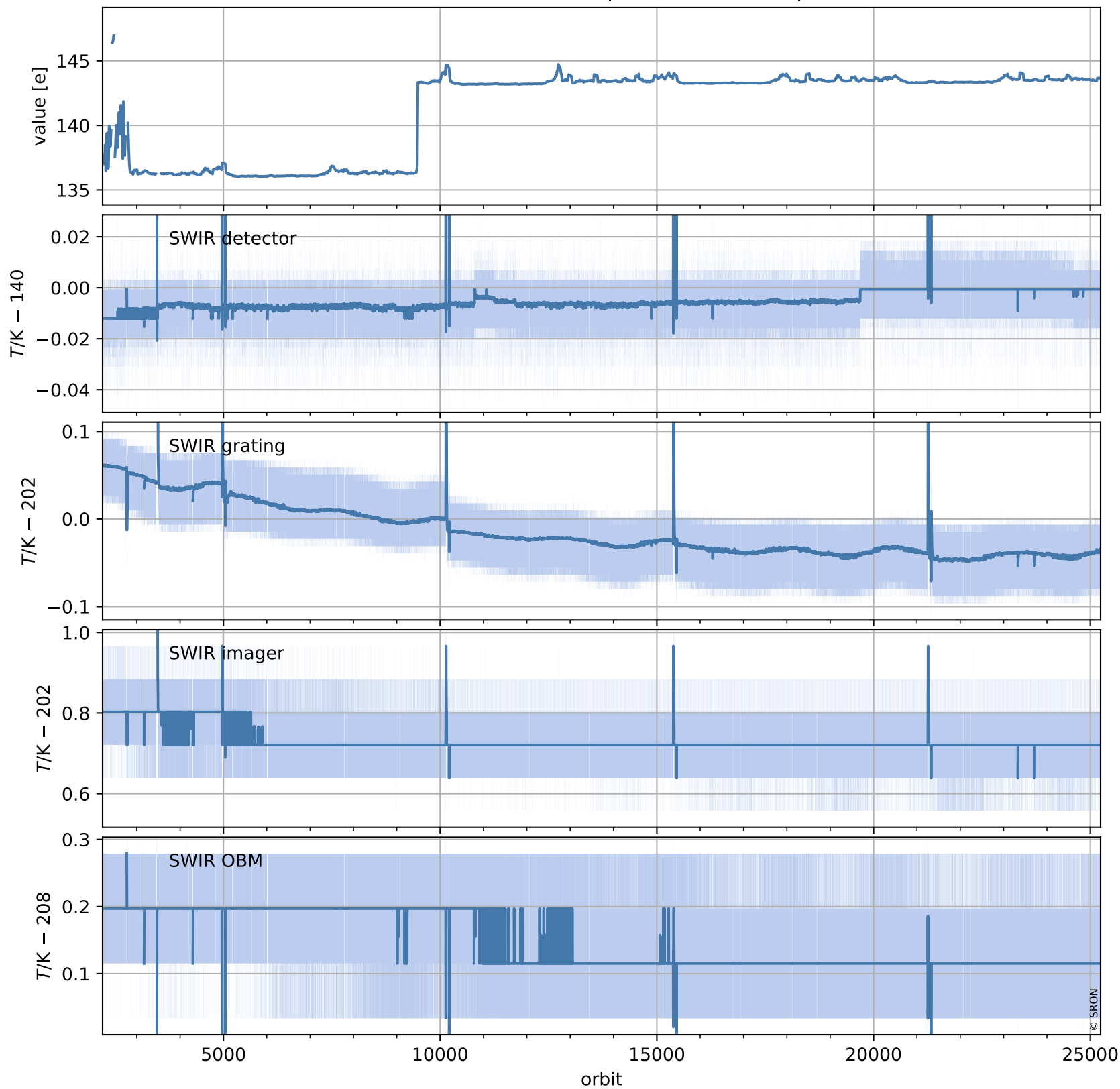
orbits : 13 in [25147, 25237]  
coverage : 2022-08-21 / 2022-08-27  
created : 2023-08-21T16:41:44



# Tropomi SWIR background noise (swir)

orbits : [2212, 25237]  
coverage : 2018-03-18 / 2022-08-27  
created : 2023-08-21T16:41:44

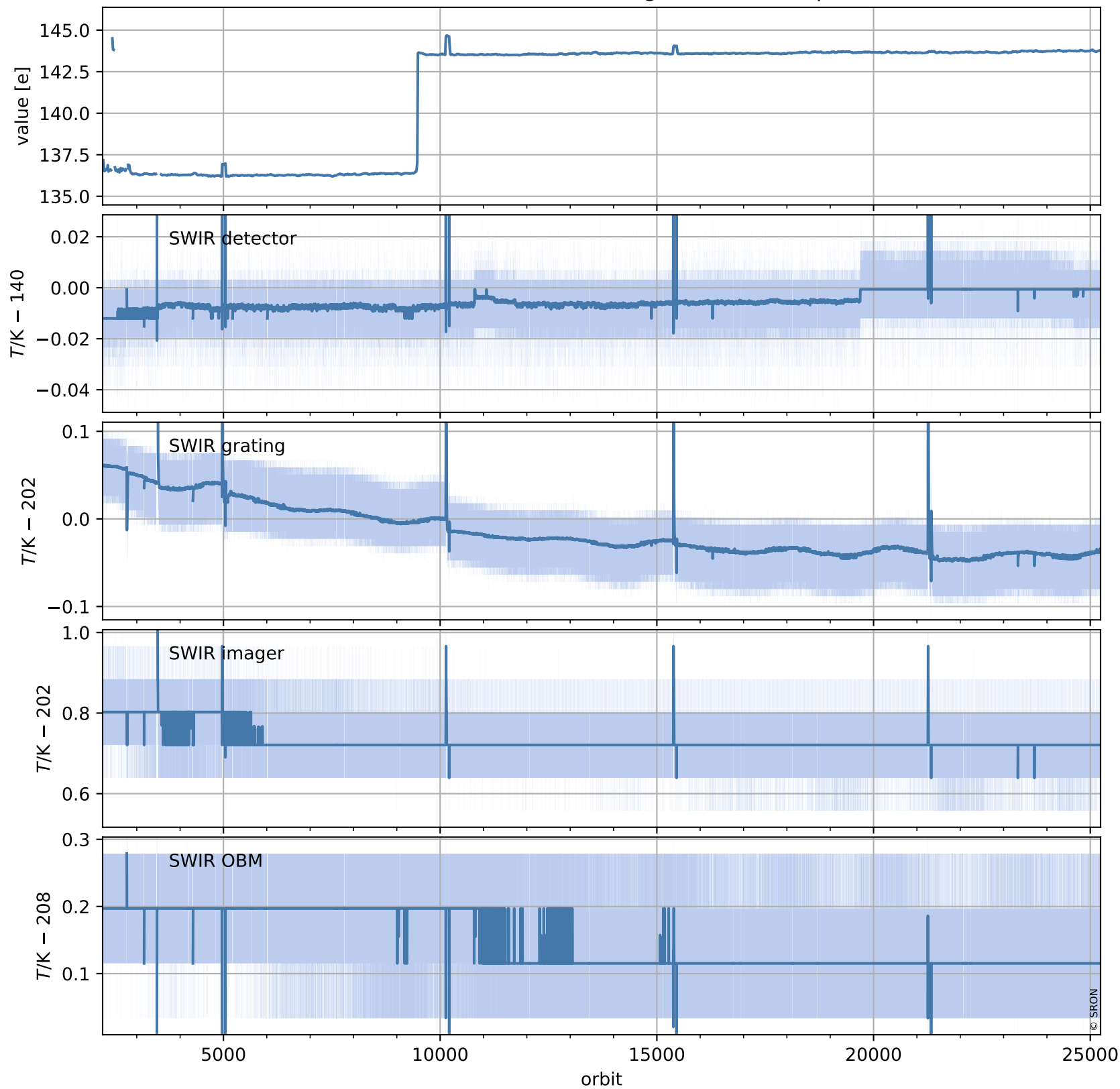
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25237]  
coverage : 2018-03-18 / 2022-08-27  
created : 2023-08-21T16:41:45

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25237]  
coverage : 2018-03-18 / 2022-08-27  
created : 2023-08-21T16:41:46

## trend of normalized read-noise & temperatures

