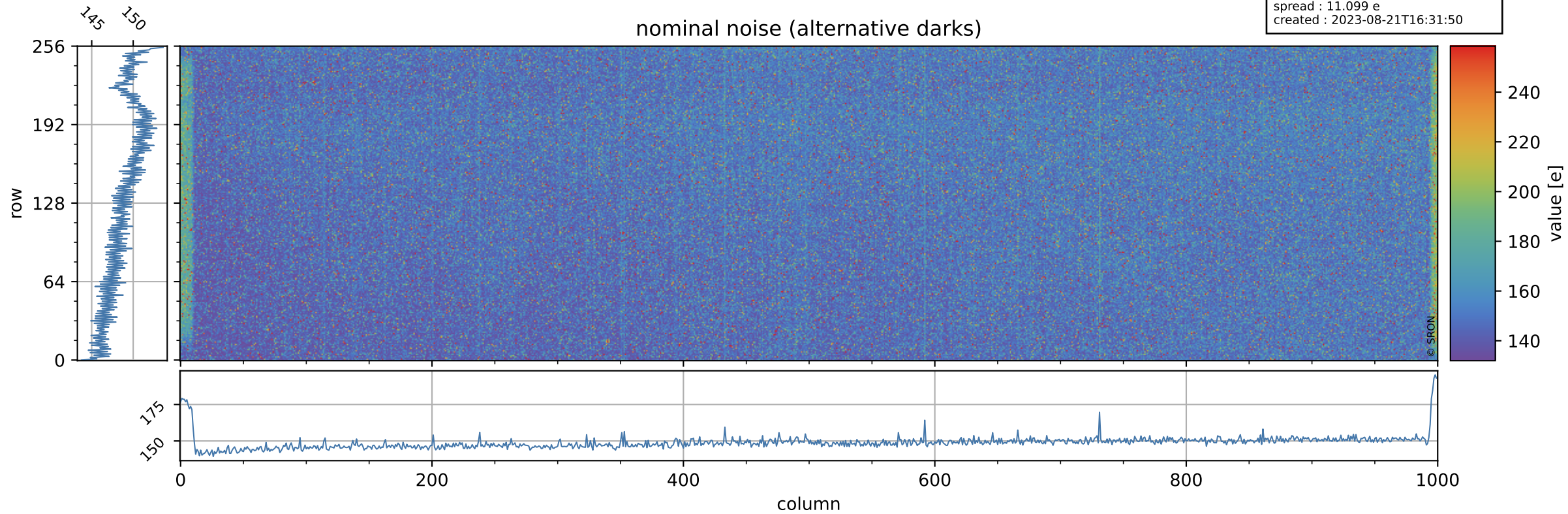


# Tropomi SWIR background noise (swir)

orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.73 e  
spread : 11.099 e  
created : 2023-08-21T16:31:50

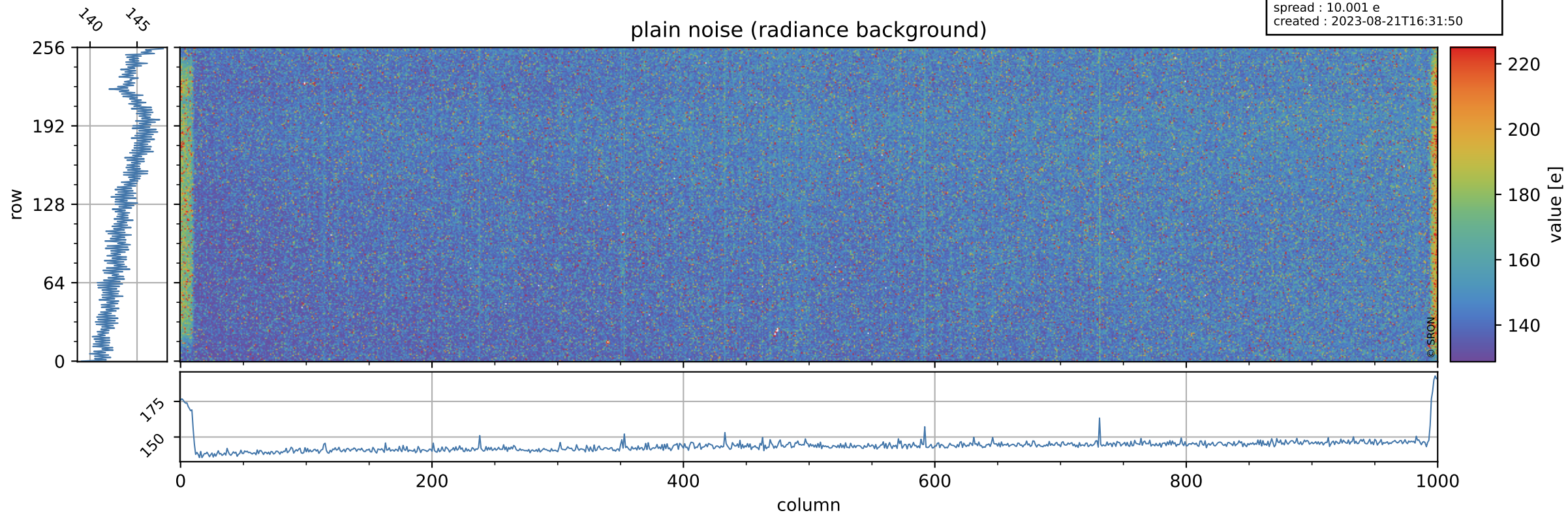
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.64 e  
spread : 10.001 e  
created : 2023-08-21T16:31:50

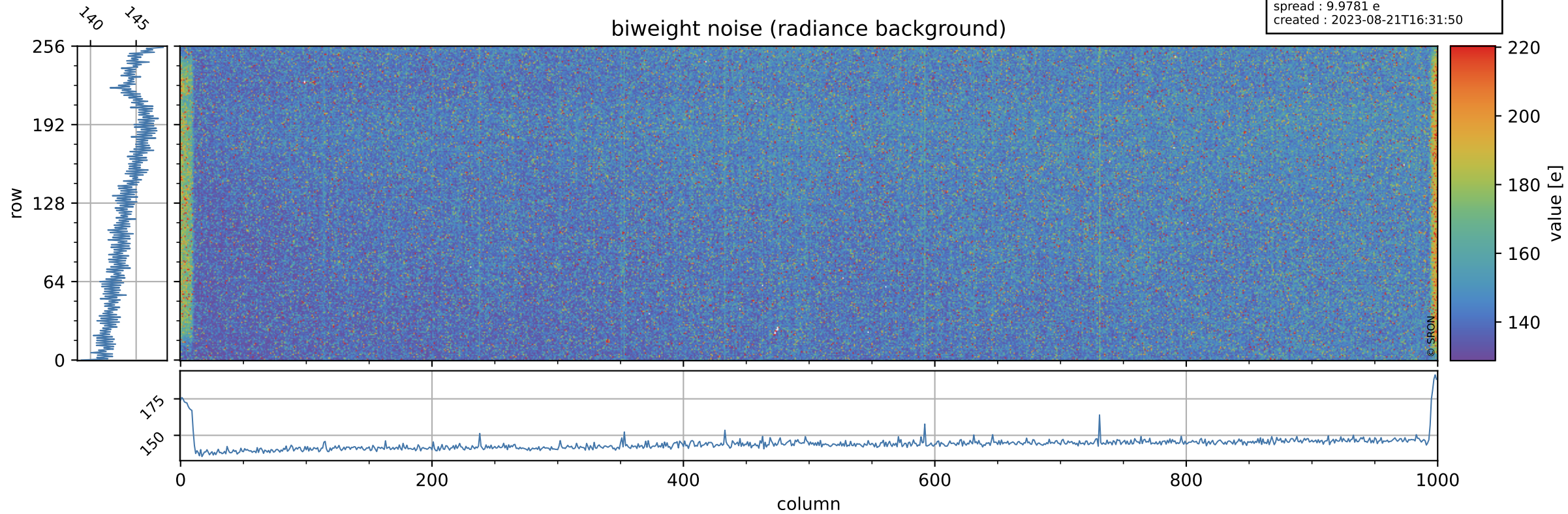
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 9.9781 e  
created : 2023-08-21T16:31:50

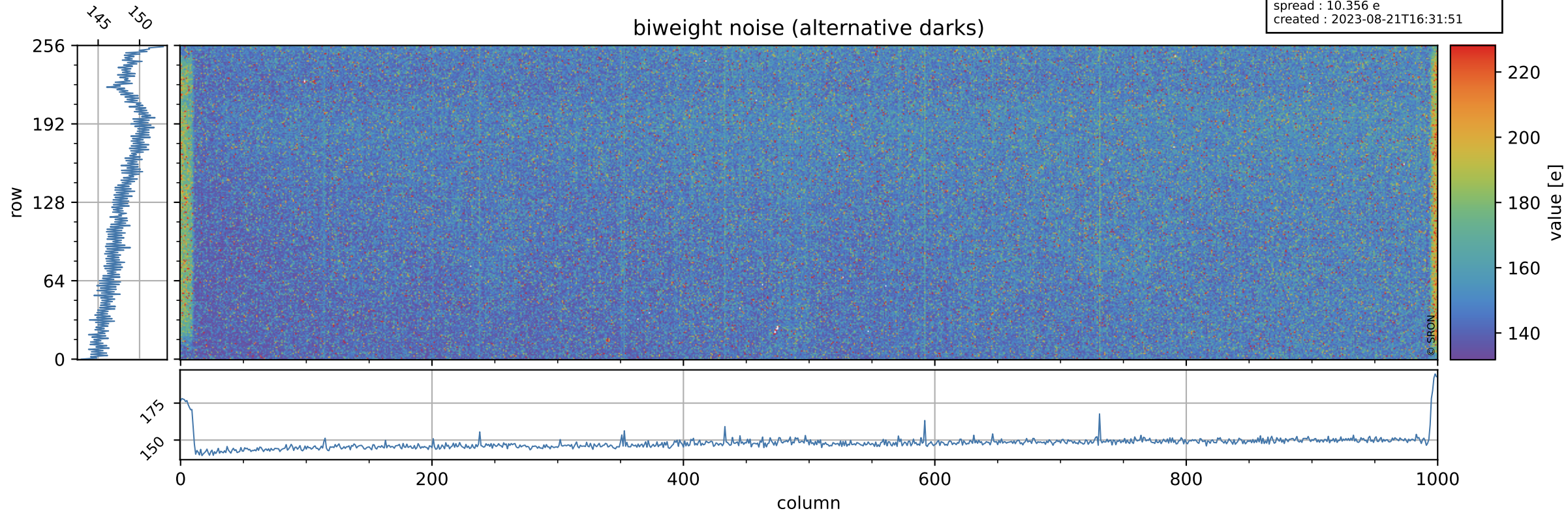
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.356 e  
created : 2023-08-21T16:31:51

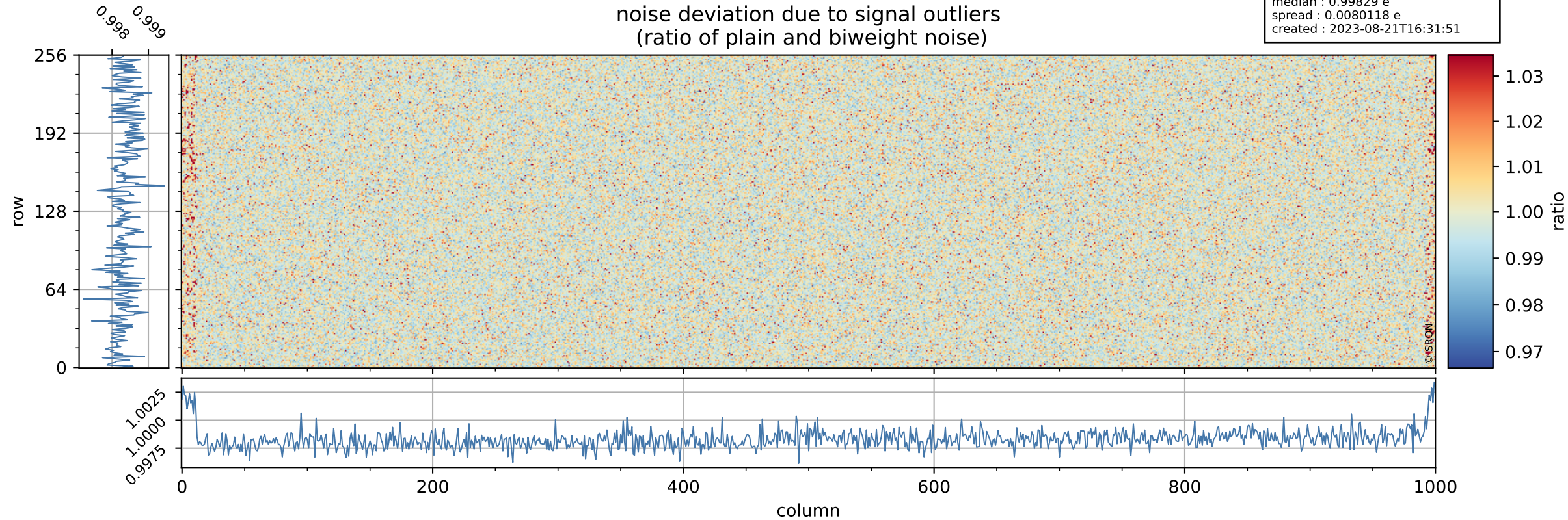
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

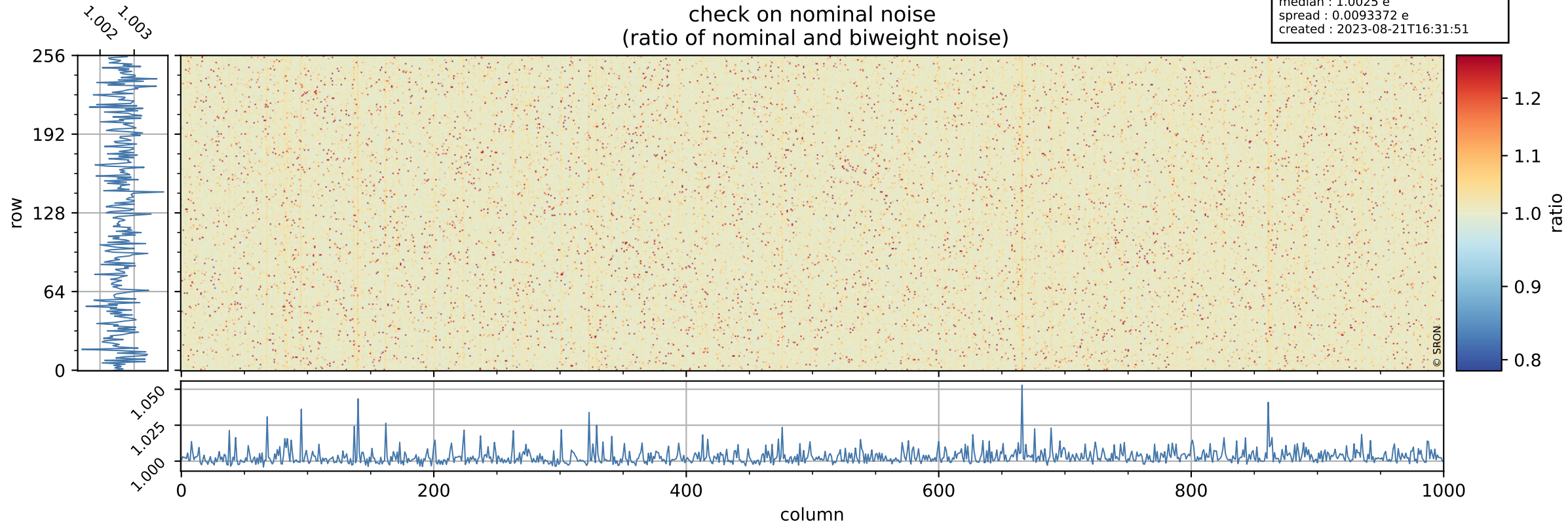
orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
median : 0.99829 e  
spread : 0.0080118 e  
created : 2023-08-21T16:31:51



# Tropomi SWIR background noise (swir)

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

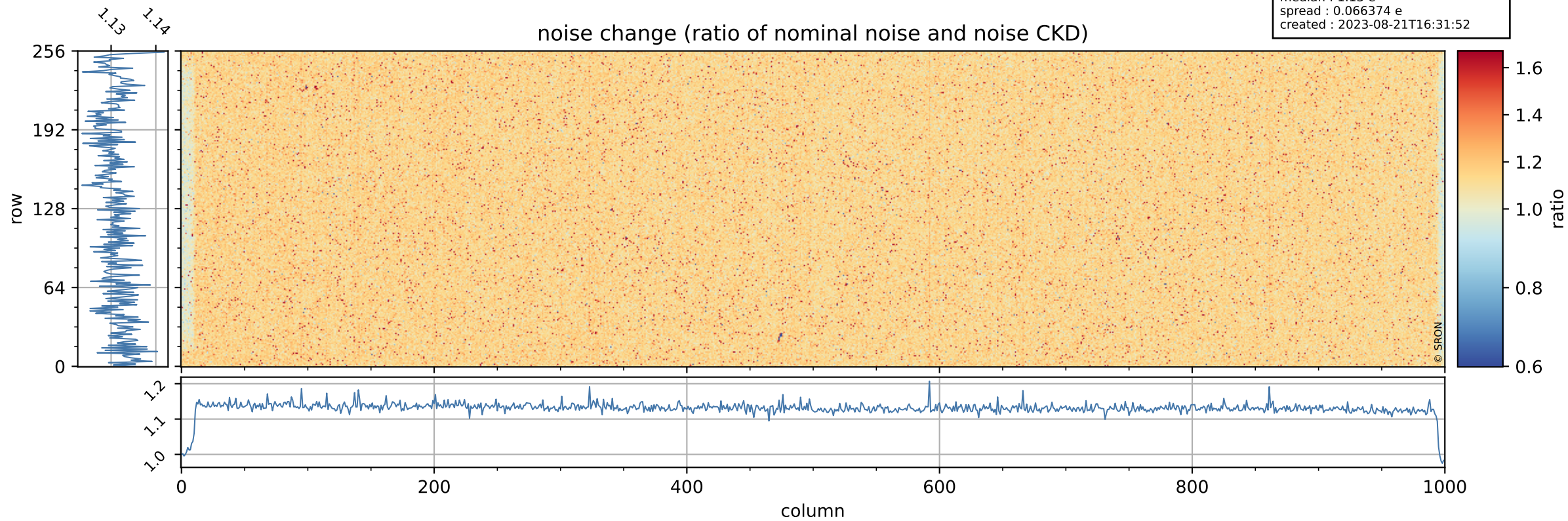
orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
median : 1.0025 e  
spread : 0.0093372 e  
created : 2023-08-21T16:31:51



# Tropomi SWIR background noise (swir)

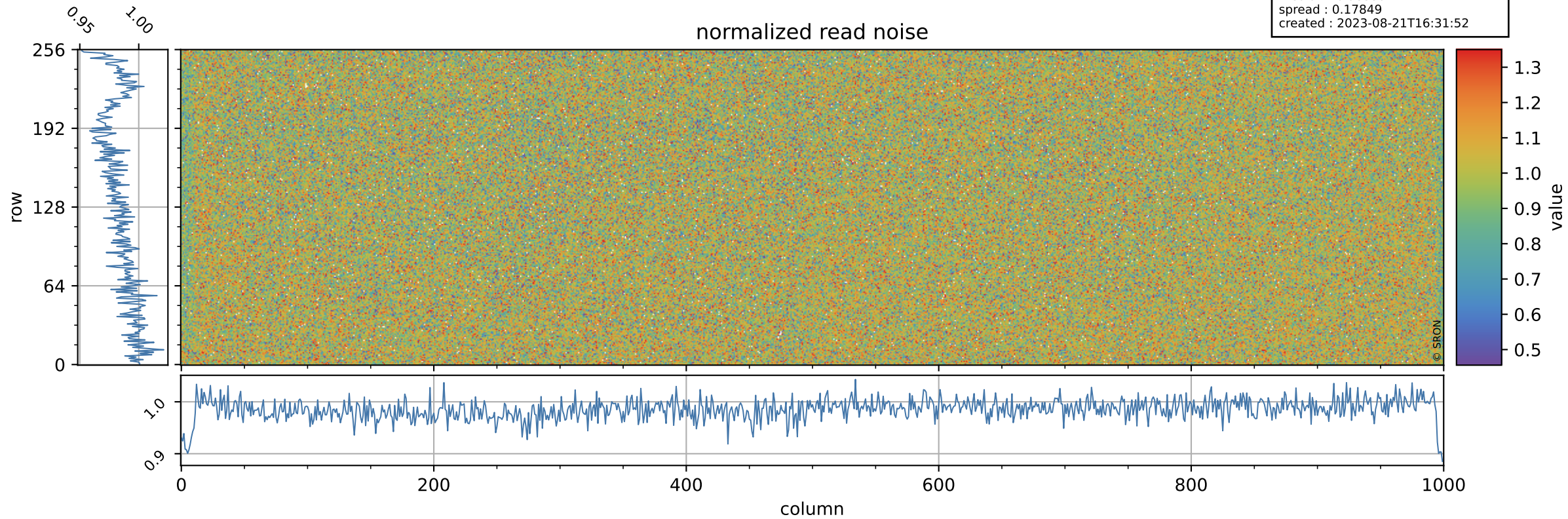
orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
median : 1.13 e  
spread : 0.066374 e  
created : 2023-08-21T16:31:52

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

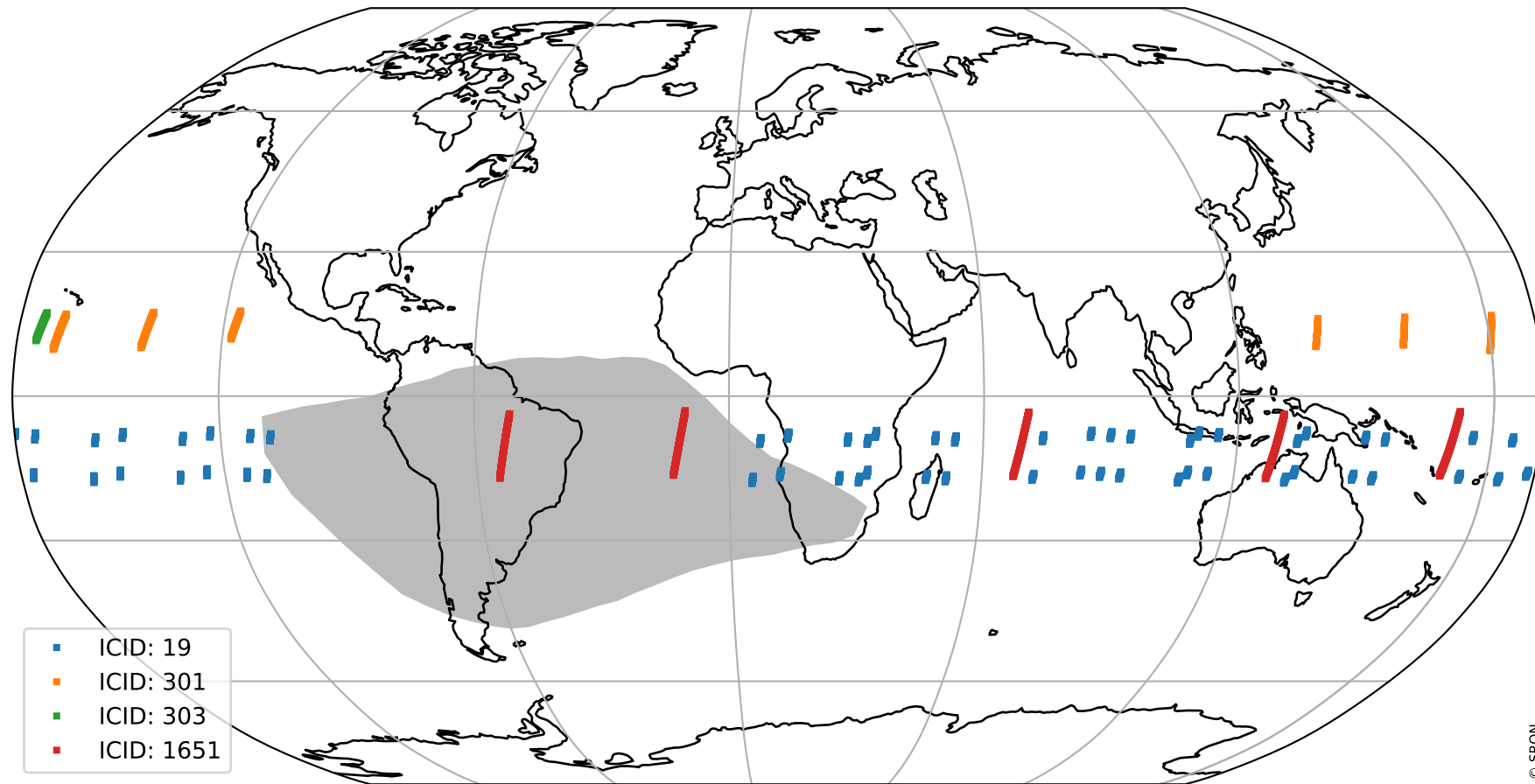
orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
median : 0.98359  
spread : 0.17849  
created : 2023-08-21T16:31:52





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

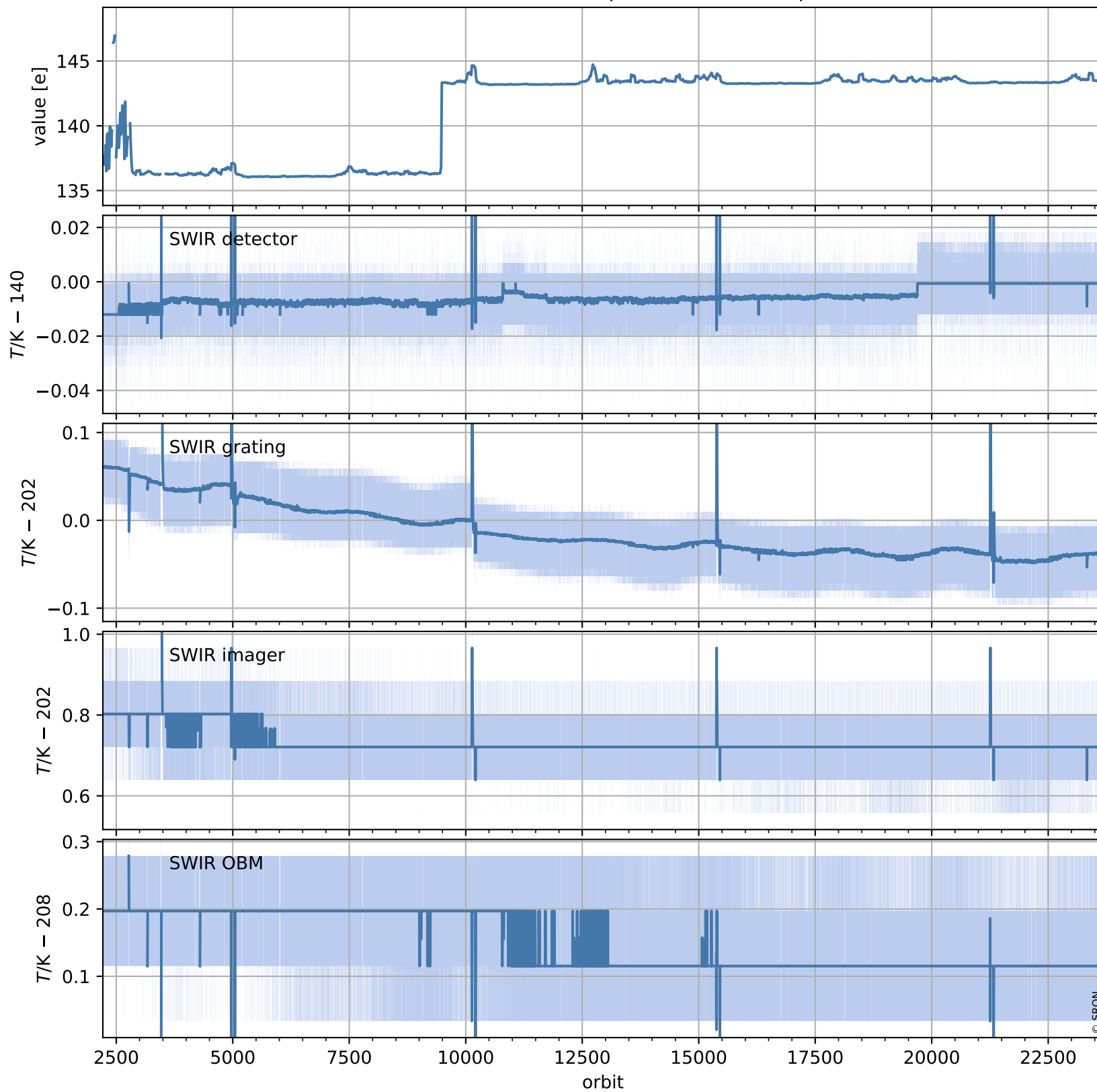
orbits : 12 in [23602, 23677]  
coverage : 2022-05-03 / 2022-05-08  
created : 2023-08-21T16:31:52



# Tropomi SWIR background noise (swir)

orbits : [2212, 23677]  
coverage : 2018-03-18 / 2022-05-08  
created : 2023-08-21T16:31:53

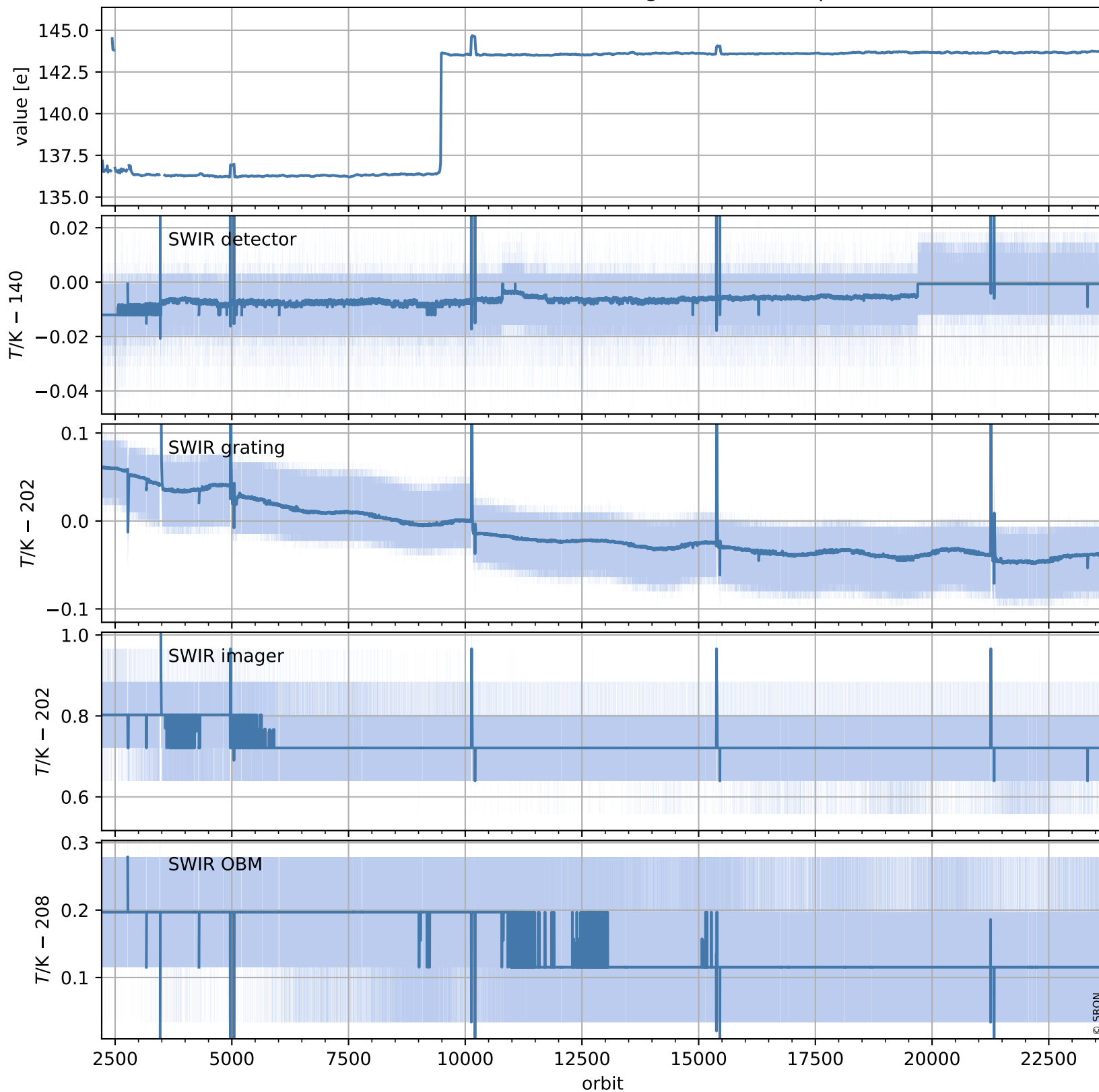
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23677]  
coverage : 2018-03-18 / 2022-05-08  
created : 2023-08-21T16:31:54

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23677]  
coverage : 2018-03-18 / 2022-05-08  
created : 2023-08-21T16:31:55

## trend of normalized read-noise & temperatures

