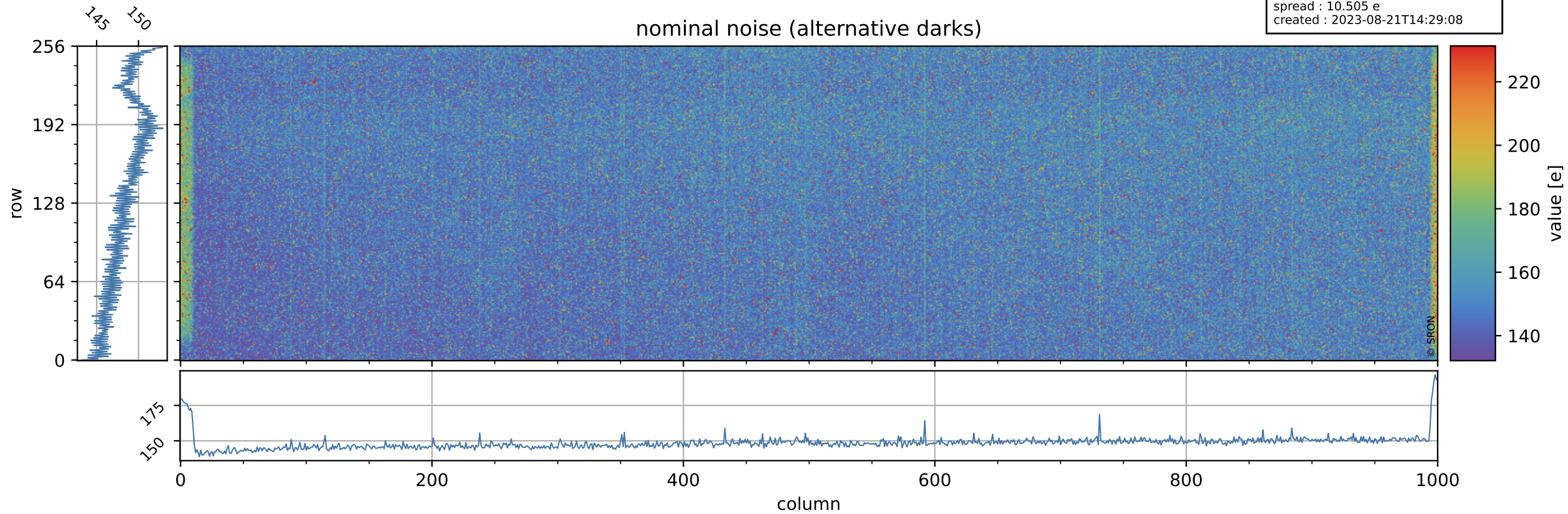


# Tropomi SWIR background noise (swir)

orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
n\_coad, t\_exp : 1, 1.0783  
median : 148.31 e  
spread : 10.505 e  
created : 2023-08-21T14:29:08

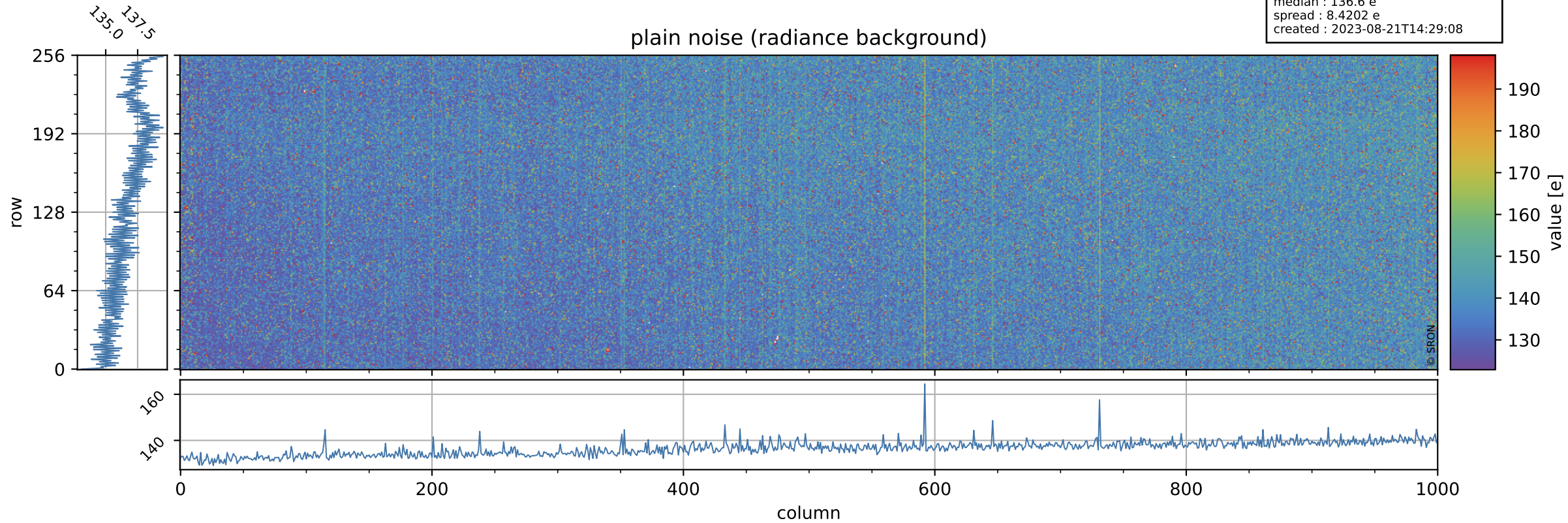
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
n\_coad, t\_exp : 2, 0.5383  
median : 136.6 e  
spread : 8.4202 e  
created : 2023-08-21T14:29:08

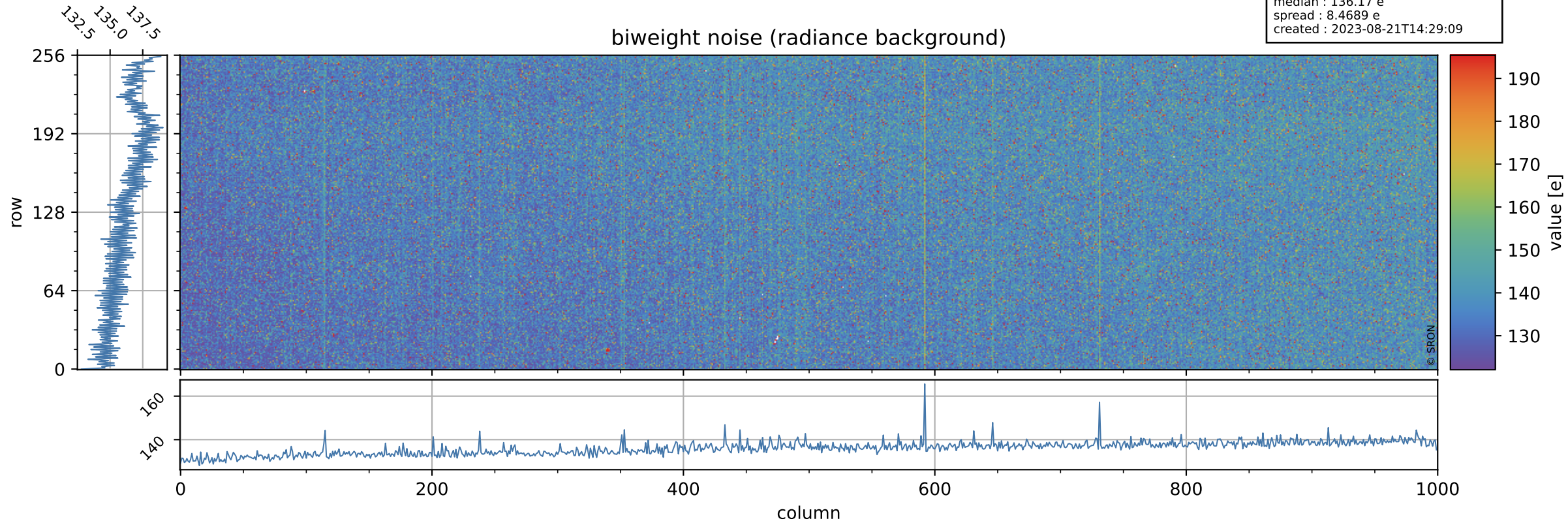
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4689 e  
created : 2023-08-21T14:29:09

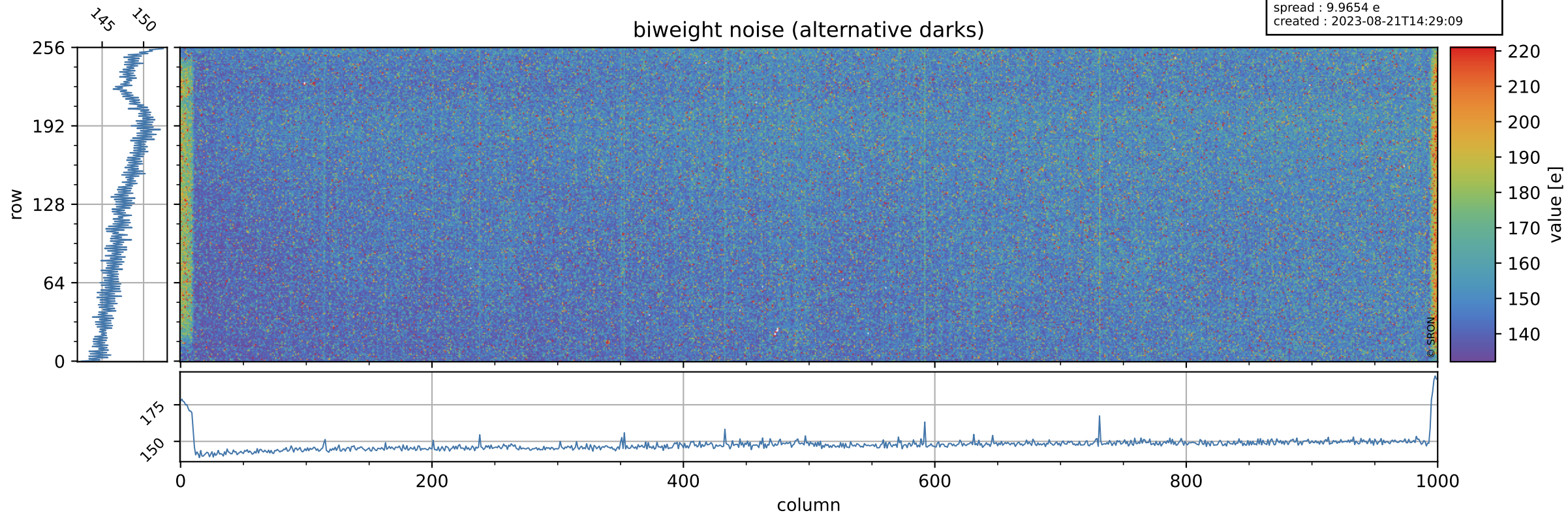
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.9654 e  
created : 2023-08-21T14:29:09

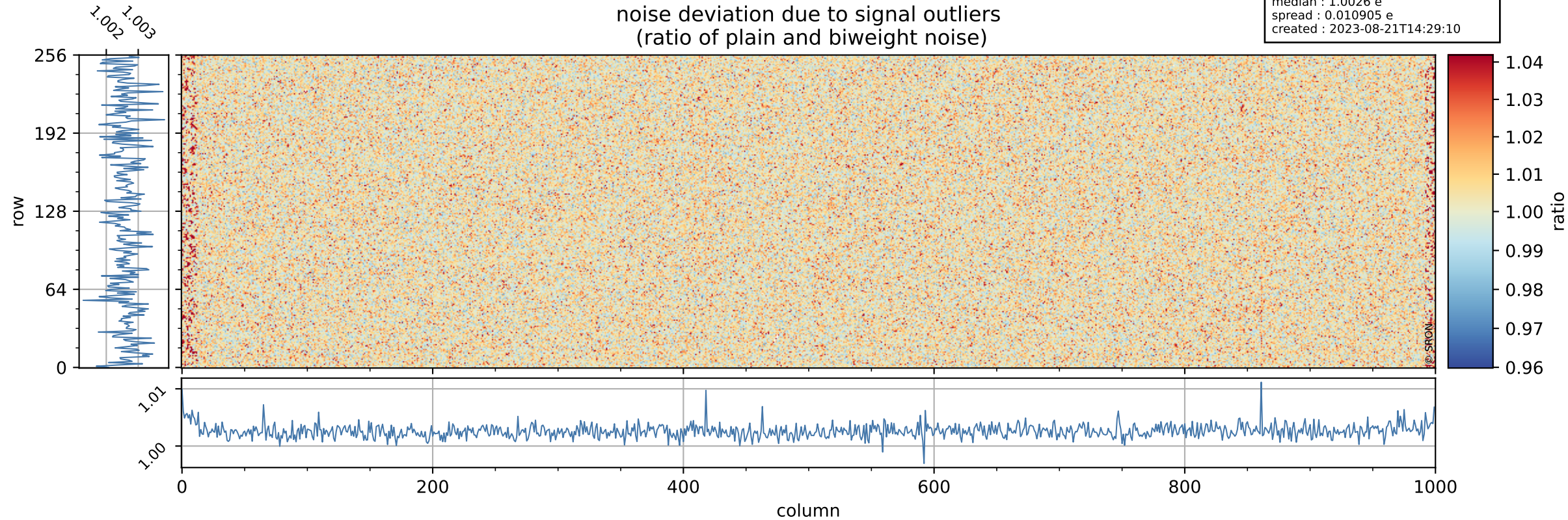
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

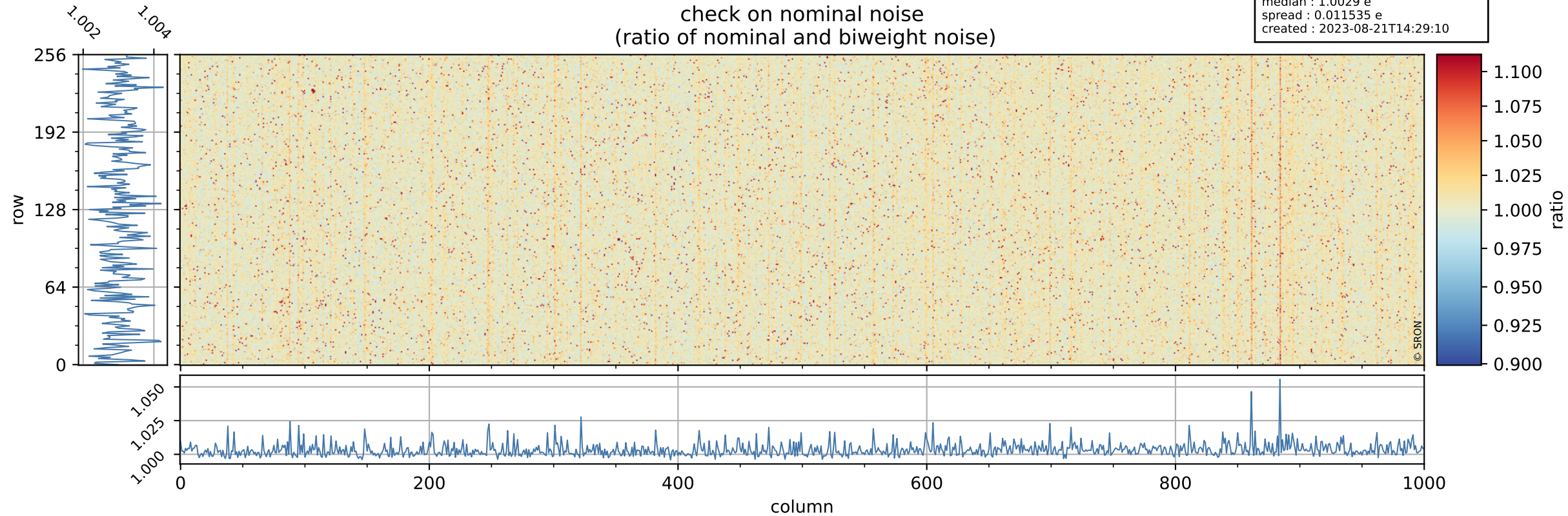
orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
median : 1.0026 e  
spread : 0.010905 e  
created : 2023-08-21T14:29:10



# Tropomi SWIR background noise (swir)

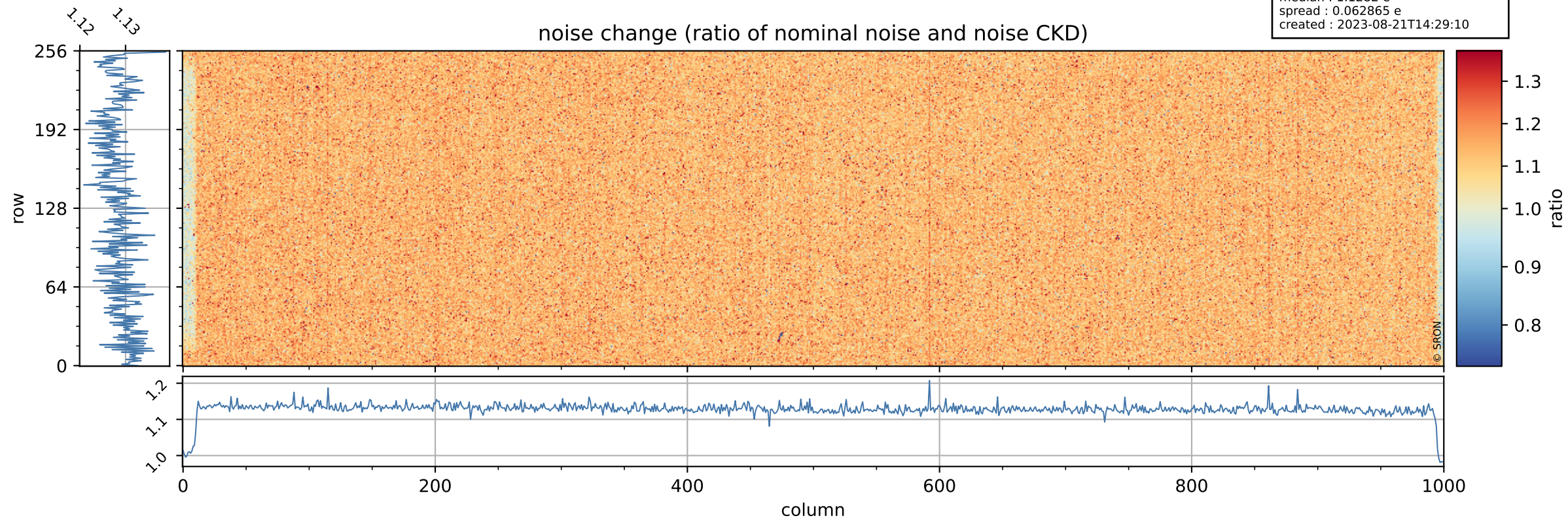
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
median : 1.0029 e  
spread : 0.011535 e  
created : 2023-08-21T14:29:10



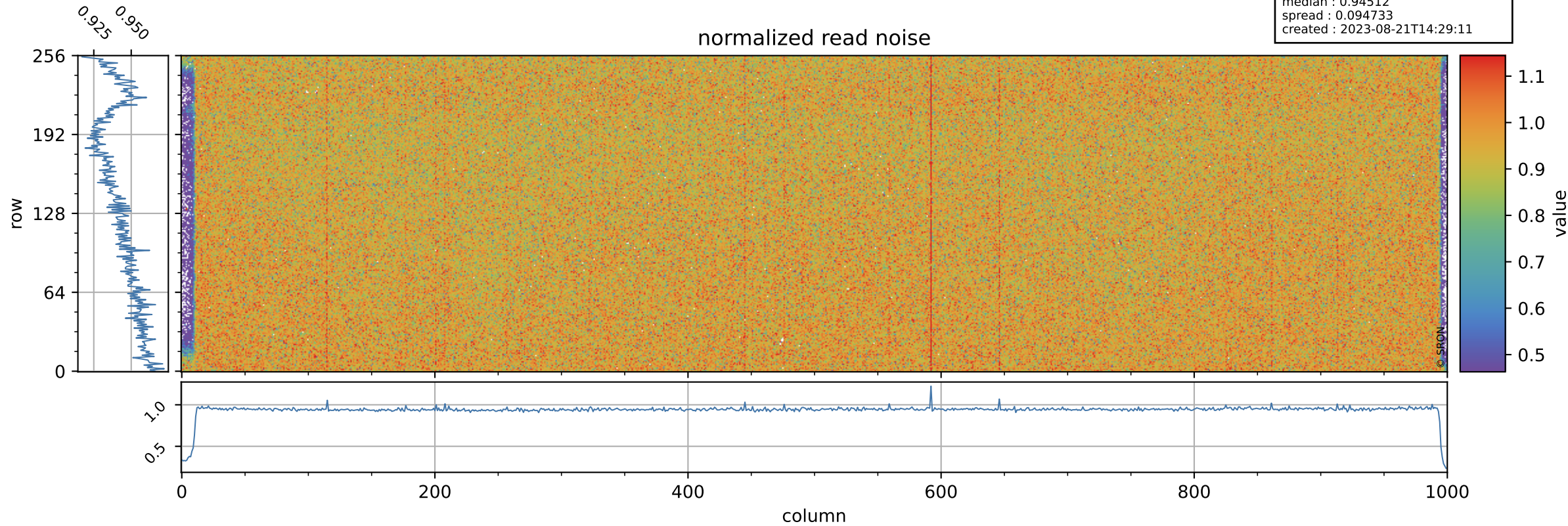
# Tropomi SWIR background noise (swir)

orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
median : 1.1282 e  
spread : 0.062865 e  
created : 2023-08-21T14:29:10



# Tropomi SWIR background noise (swir)

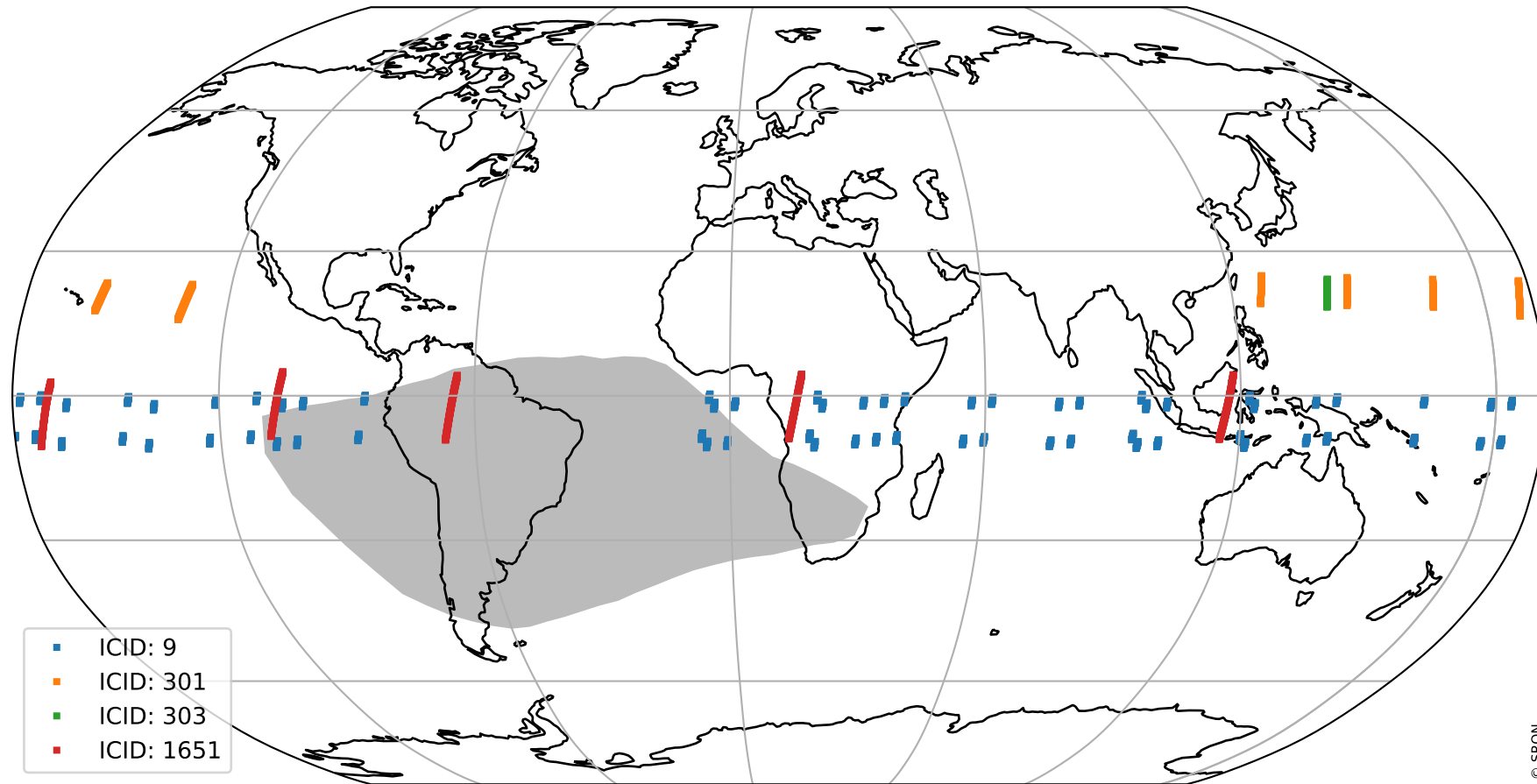
orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
median : 0.94512  
spread : 0.094733  
created : 2023-08-21T14:29:11





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

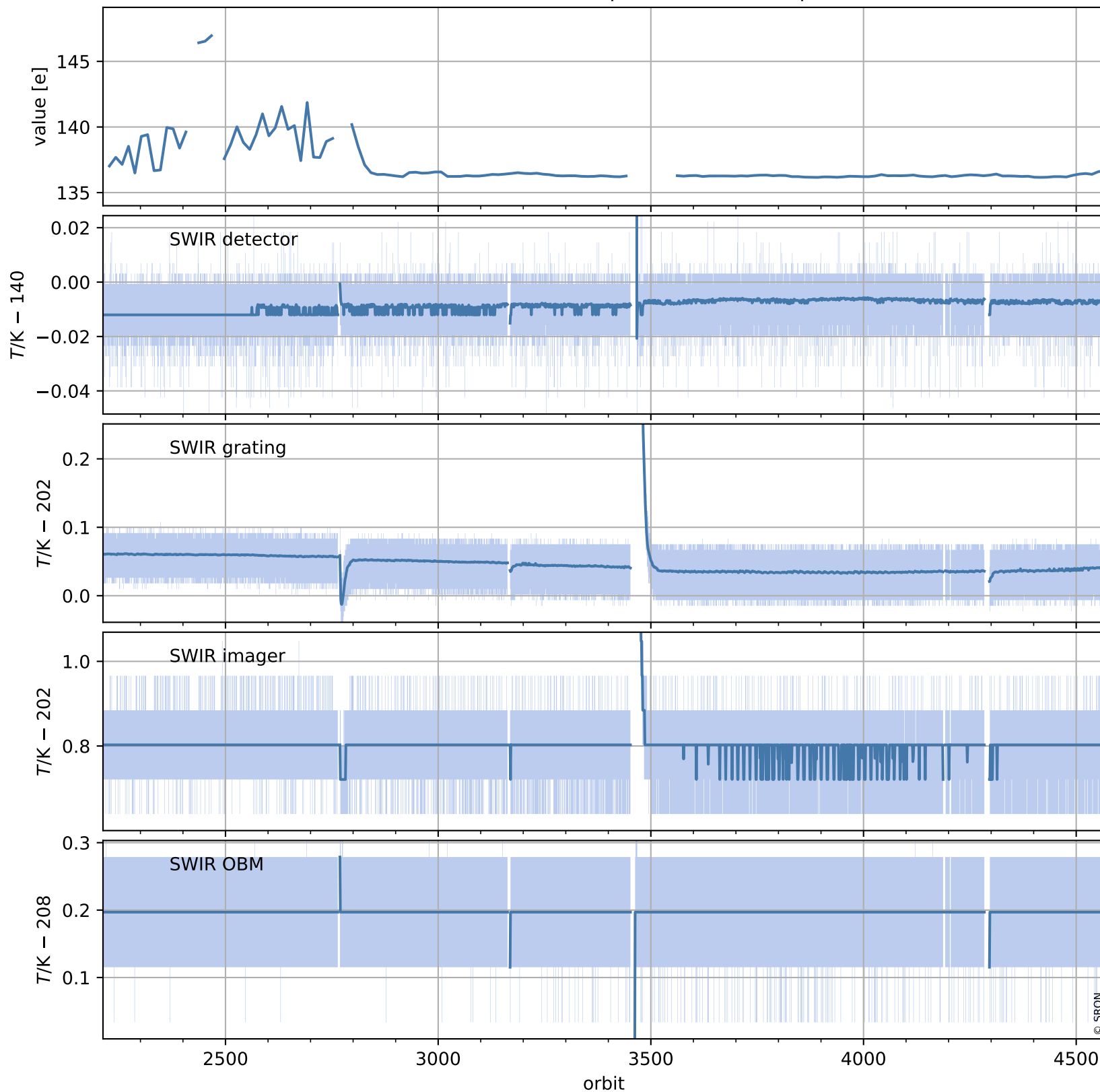
orbits : 12 in [4477, 4567]  
coverage : 2018-08-25 / 2018-08-31  
created : 2023-08-21T14:29:11



# Tropomi SWIR background noise (swir)

orbits : [2212, 4567]  
coverage : 2018-03-18 / 2018-08-31  
created : 2023-08-21T14:29:12

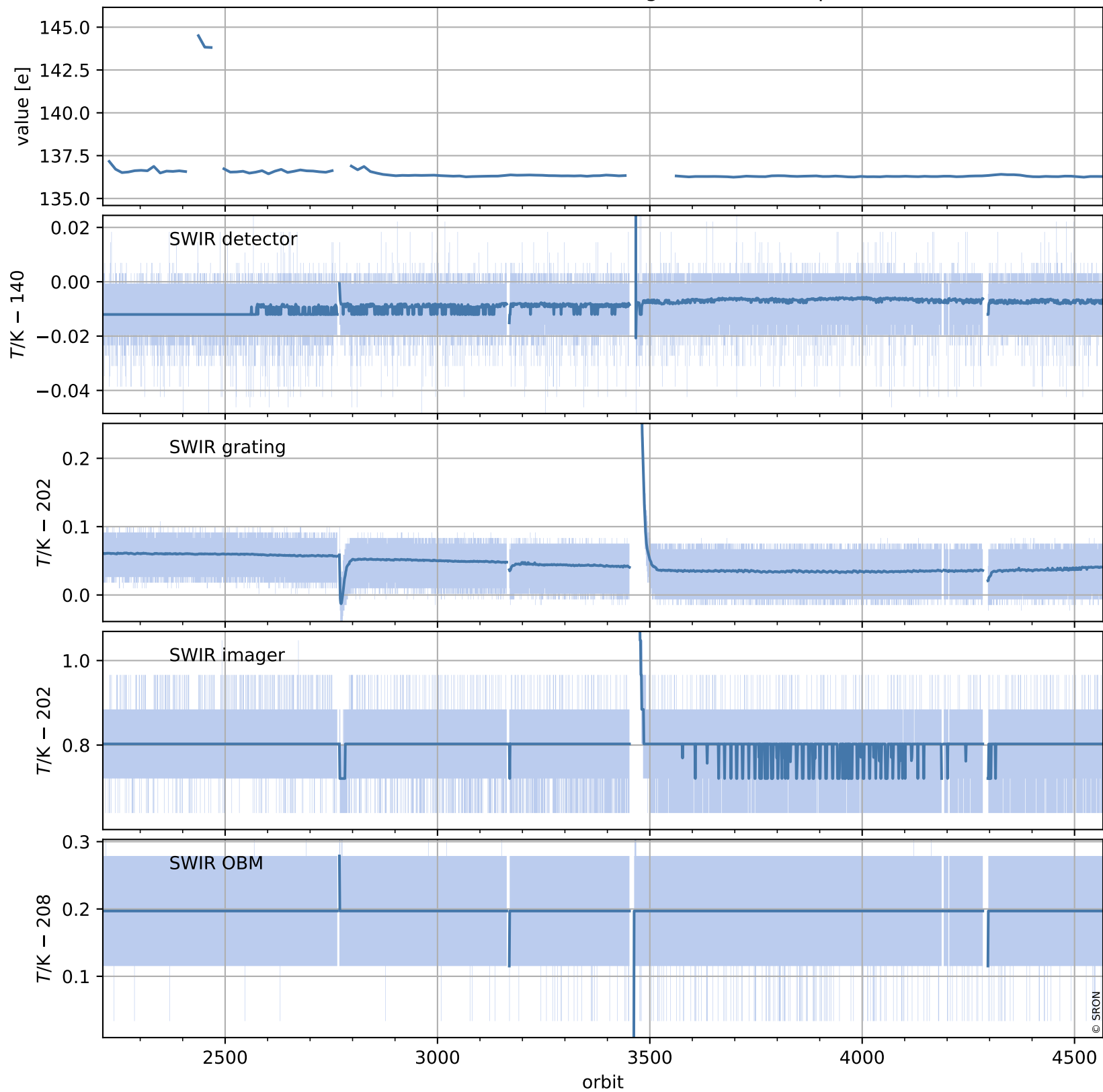
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4567]  
coverage : 2018-03-18 / 2018-08-31  
created : 2023-08-21T14:29:13

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4567]  
coverage : 2018-03-18 / 2018-08-31  
created : 2023-08-21T14:29:14

## trend of normalized read-noise & temperatures

