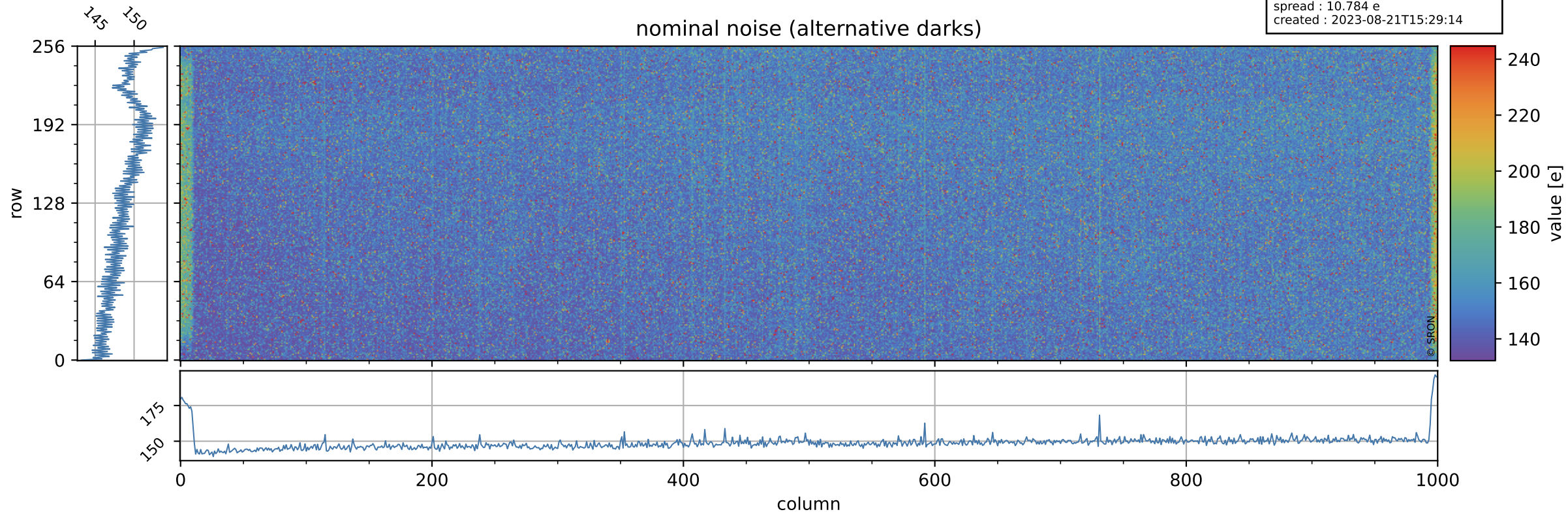


# Tropomi SWIR background noise (swir)

orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.59 e  
spread : 10.784 e  
created : 2023-08-21T15:29:14

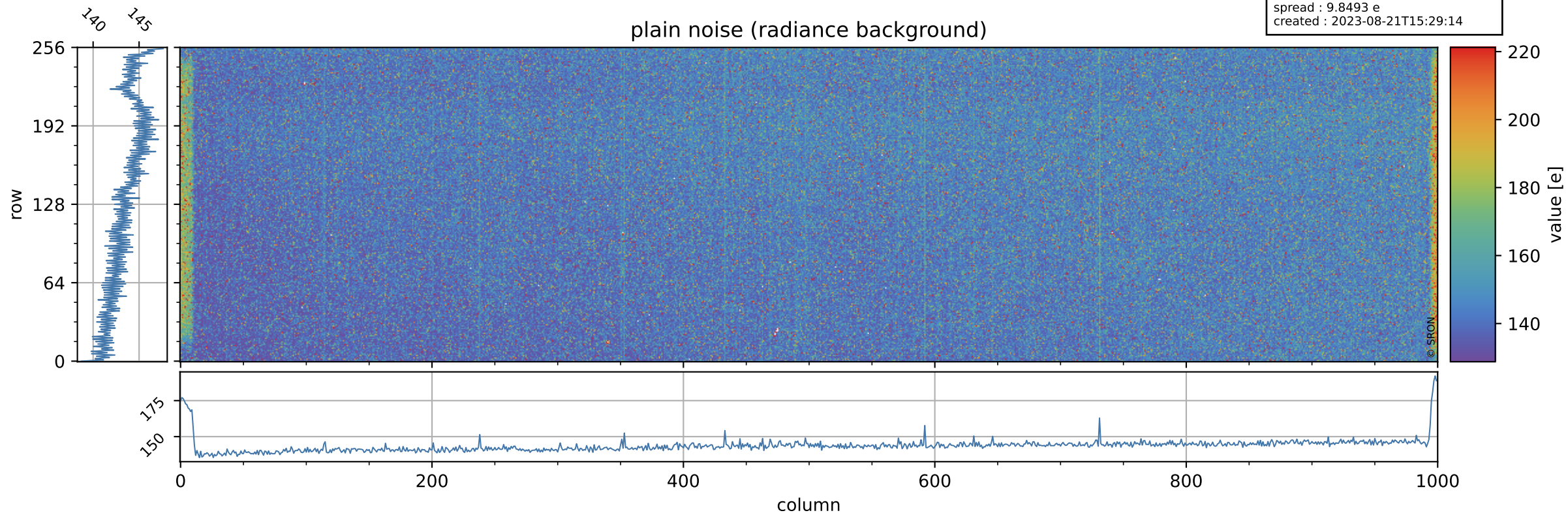
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.44 e  
spread : 9.8493 e  
created : 2023-08-21T15:29:14

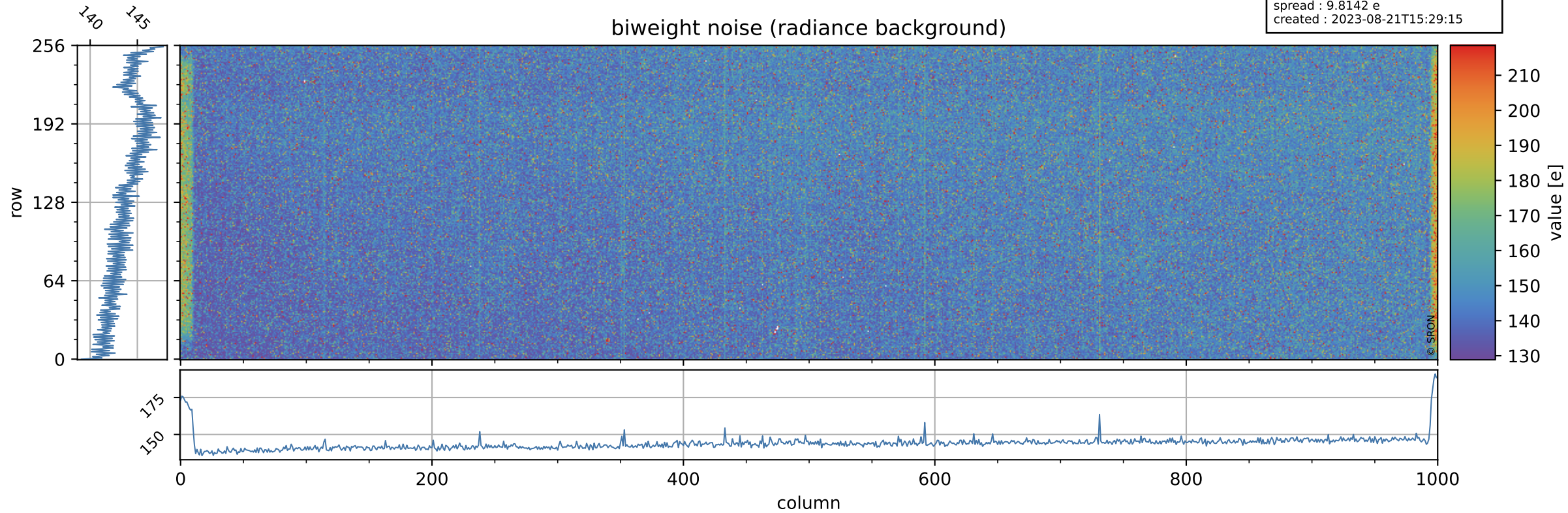
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.8142 e  
created : 2023-08-21T15:29:15

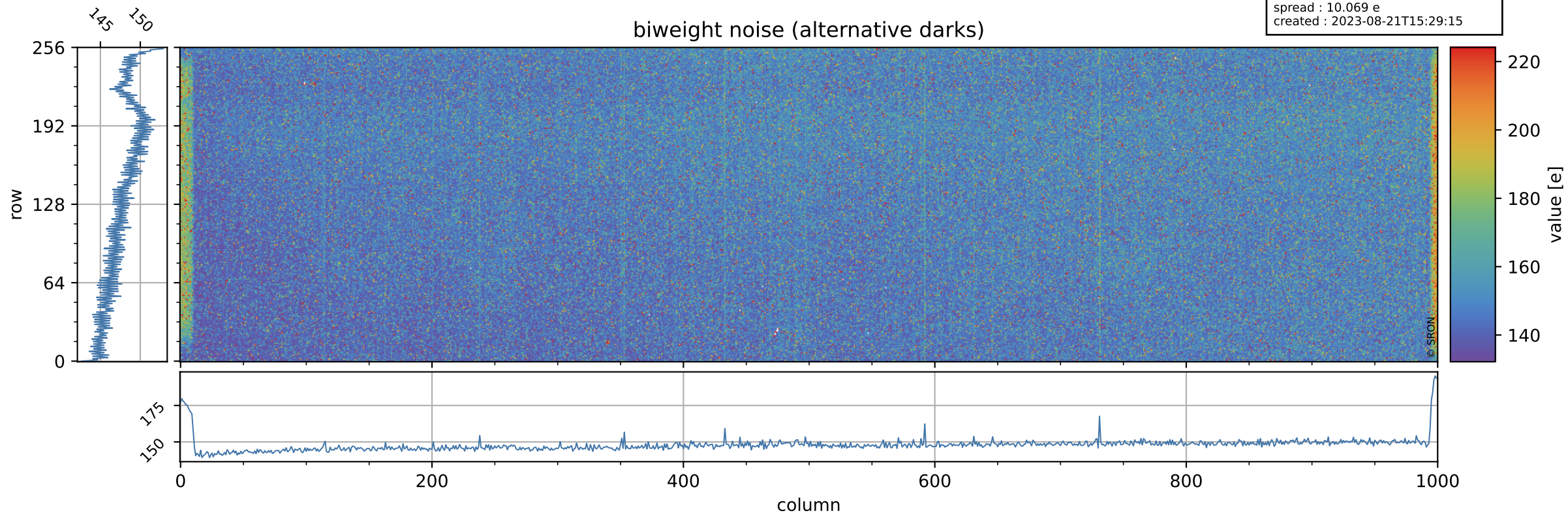
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 10.069 e  
created : 2023-08-21T15:29:15

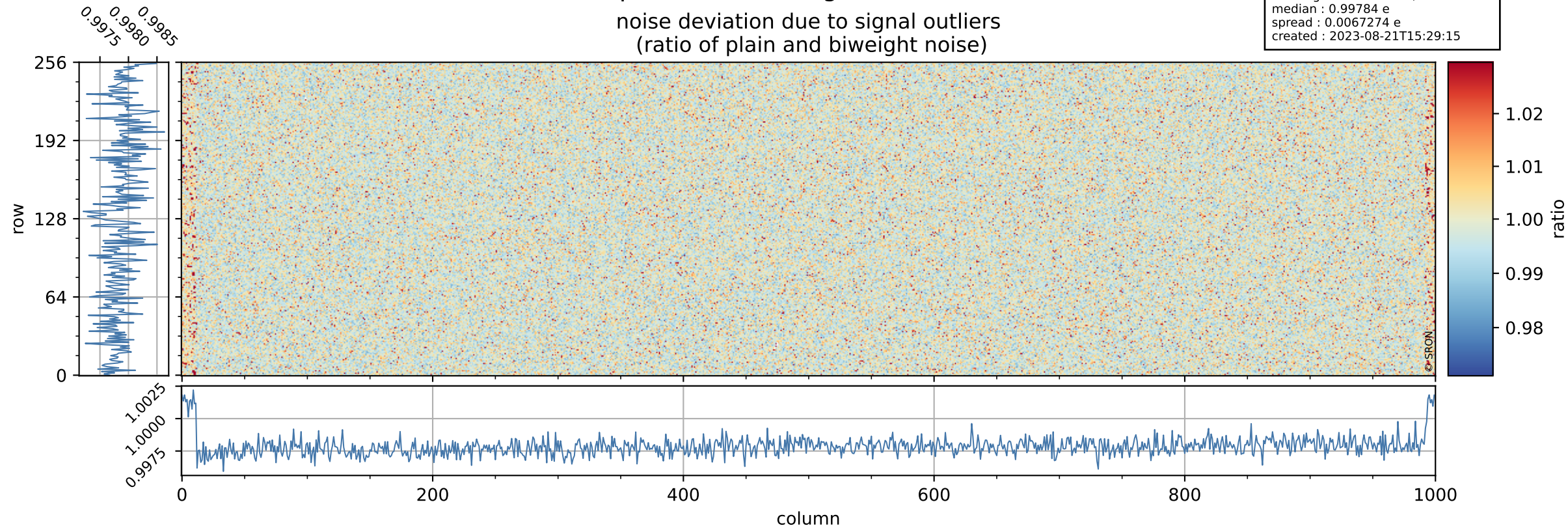
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

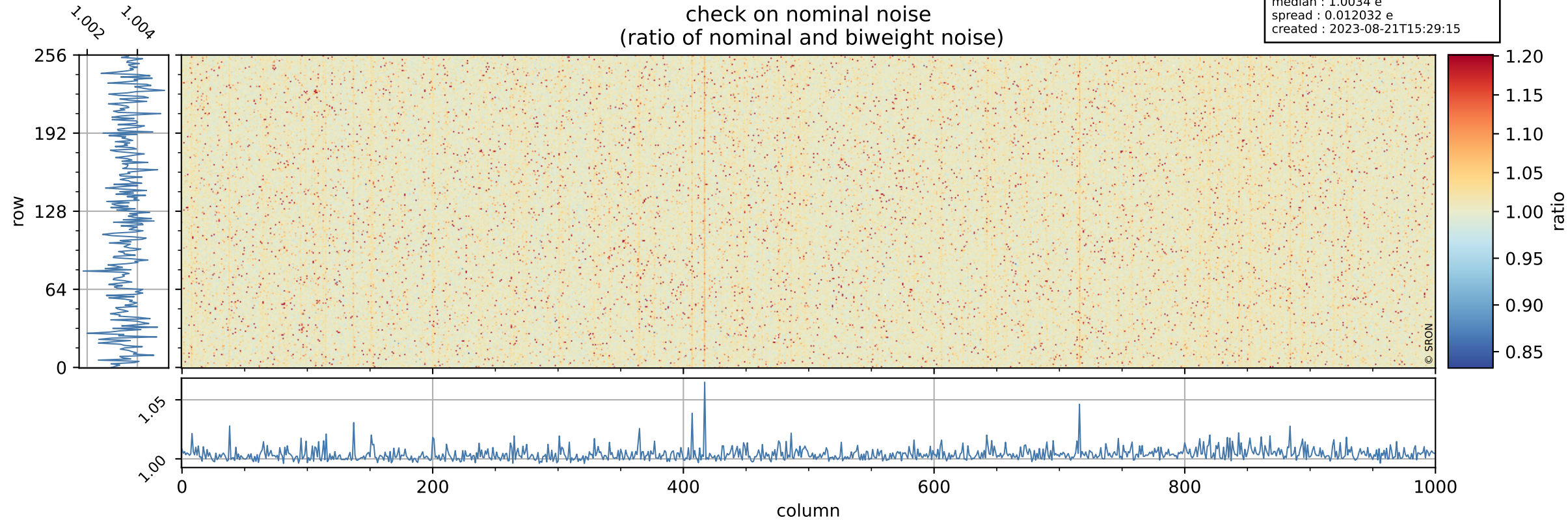
orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
median : 0.99784 e  
spread : 0.0067274 e  
created : 2023-08-21T15:29:15



# Tropomi SWIR background noise (swir)

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

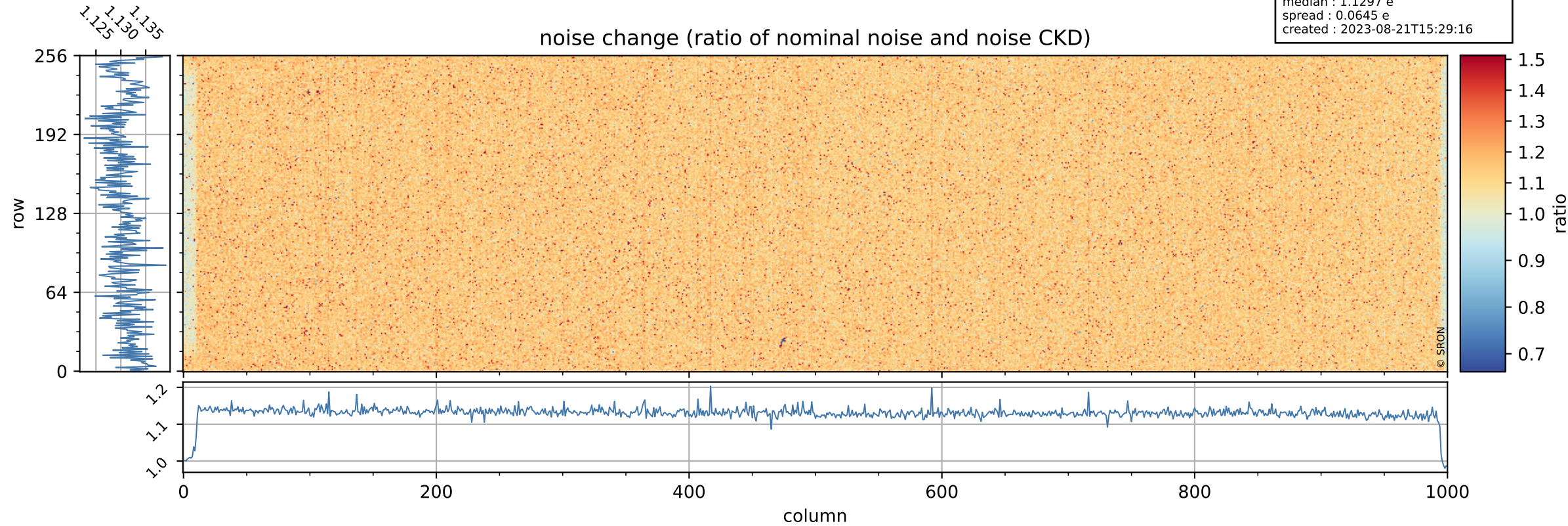
orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
median : 1.0034 e  
spread : 0.012032 e  
created : 2023-08-21T15:29:15



# Tropomi SWIR background noise (swir)

orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
median : 1.1297 e  
spread : 0.0645 e  
created : 2023-08-21T15:29:16

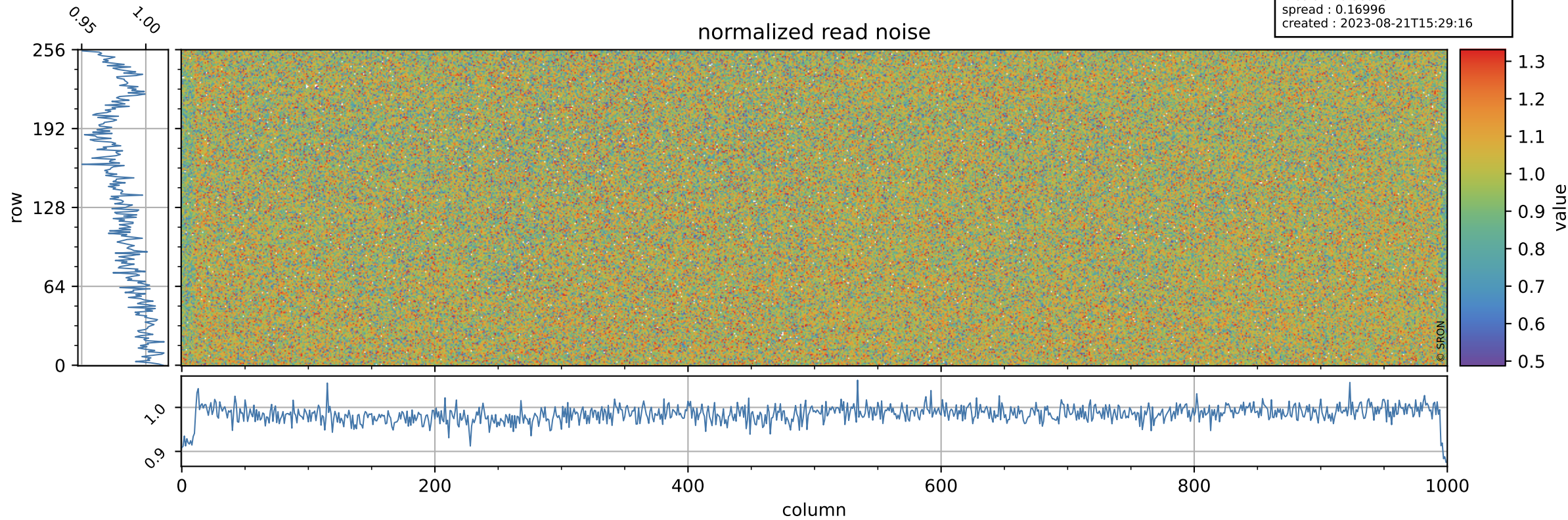
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
median : 0.98313  
spread : 0.16996  
created : 2023-08-21T15:29:16

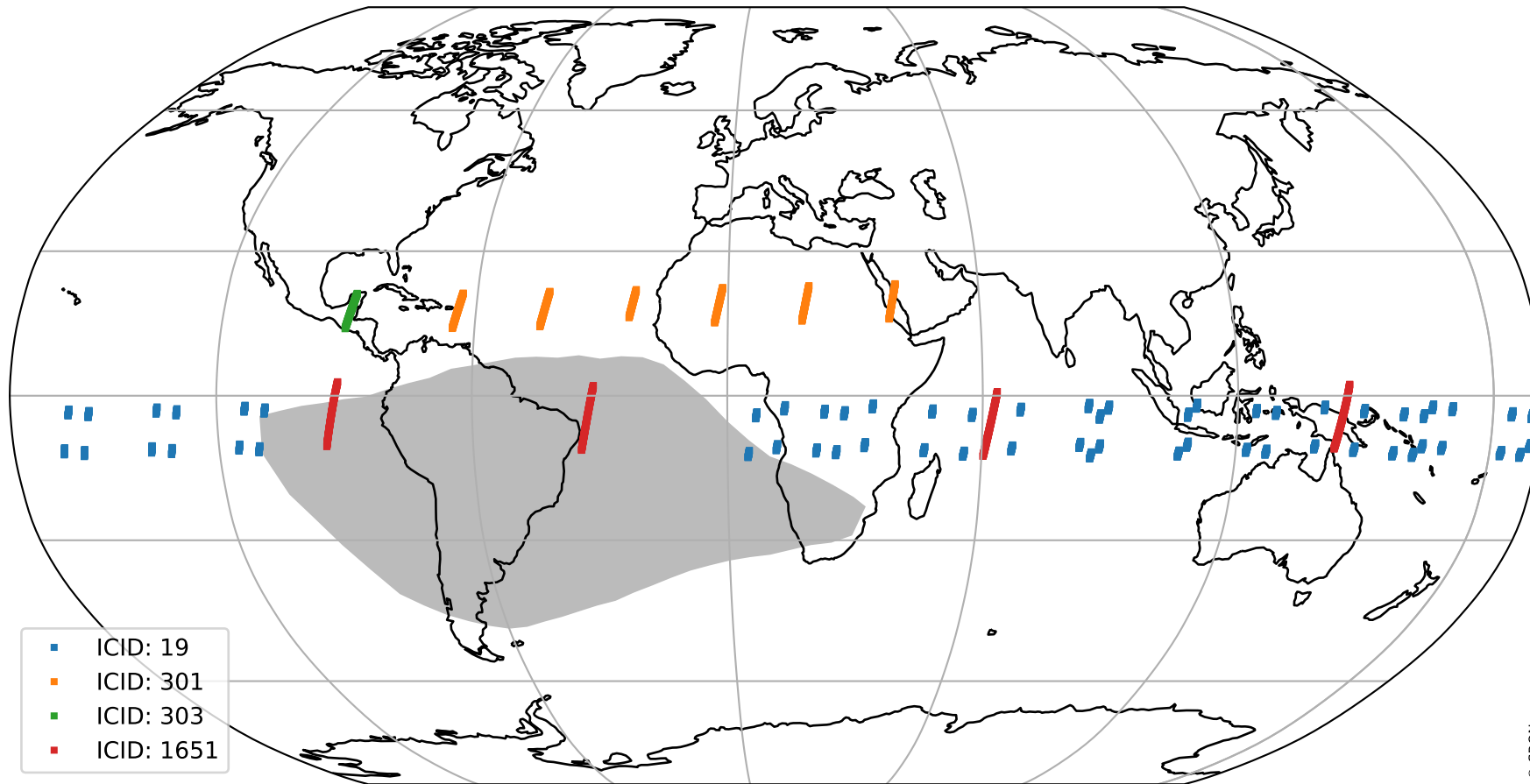
normalized read noise





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

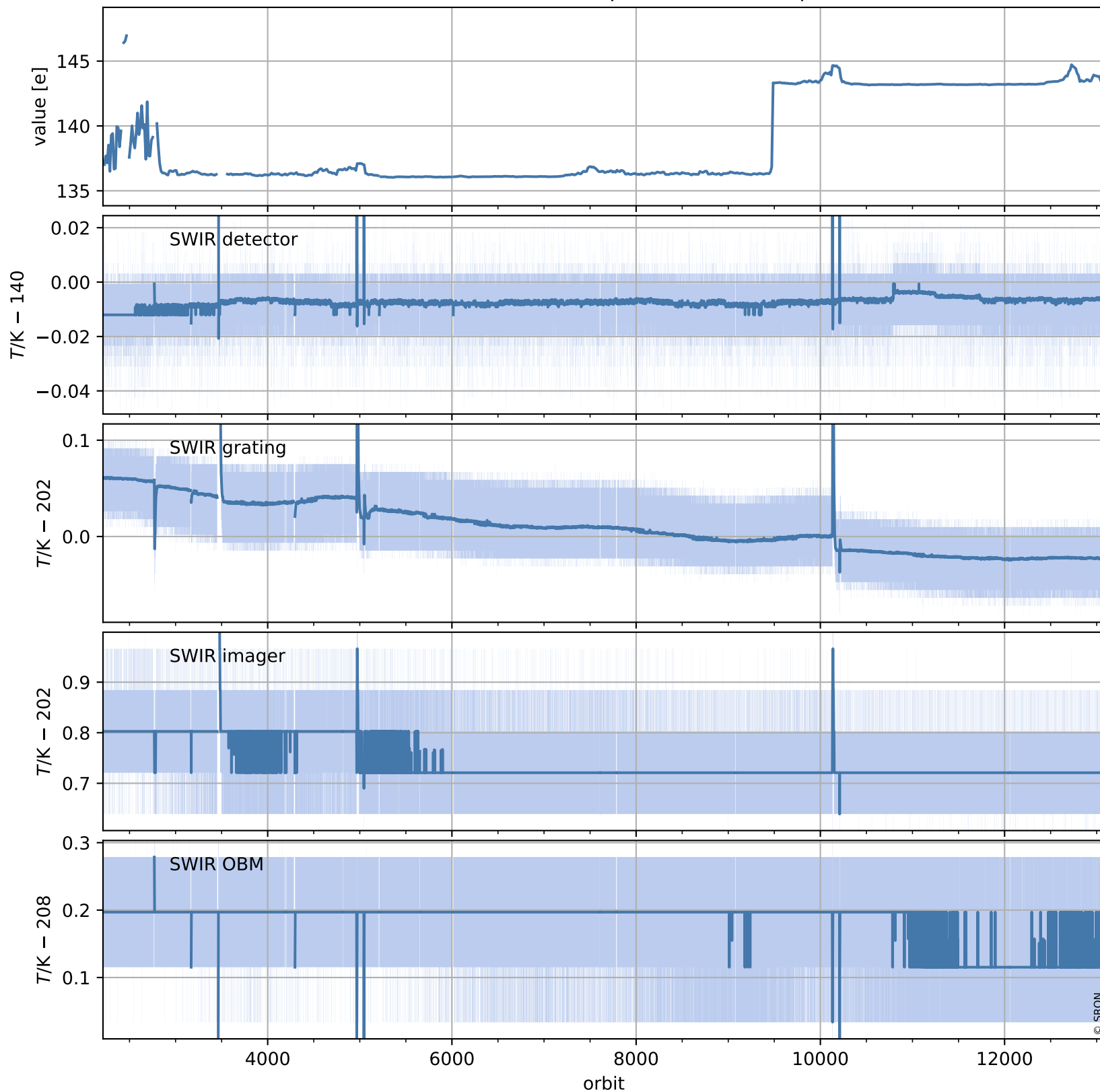
orbits : 12 in [12997, 13087]  
coverage : 2020-04-16 / 2020-04-22  
created : 2023-08-21T15:29:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 13087]  
coverage : 2018-03-18 / 2020-04-22  
created : 2023-08-21T15:29:17

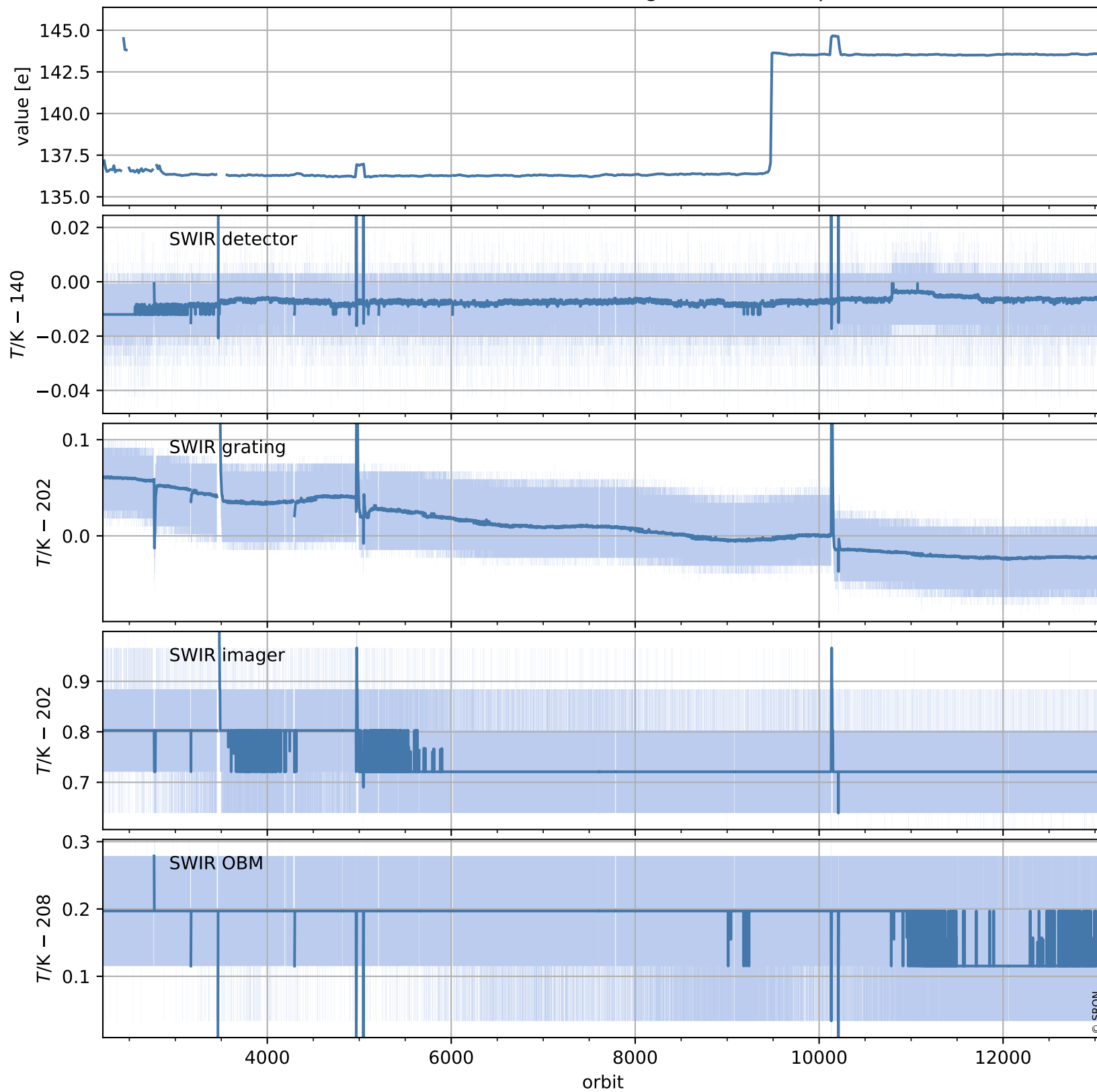
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13087]  
coverage : 2018-03-18 / 2020-04-22  
created : 2023-08-21T15:29:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13087]  
coverage : 2018-03-18 / 2020-04-22  
created : 2023-08-21T15:29:18

## trend of normalized read-noise & temperatures

