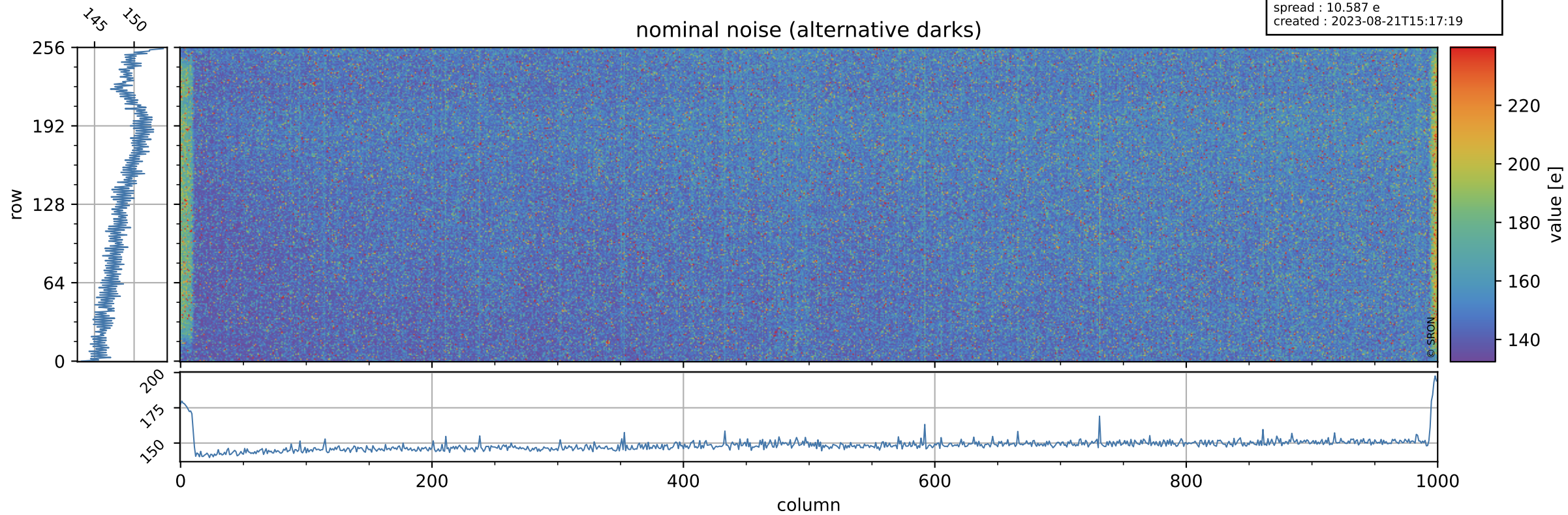


# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.43 e  
spread : 10.587 e  
created : 2023-08-21T15:17:19

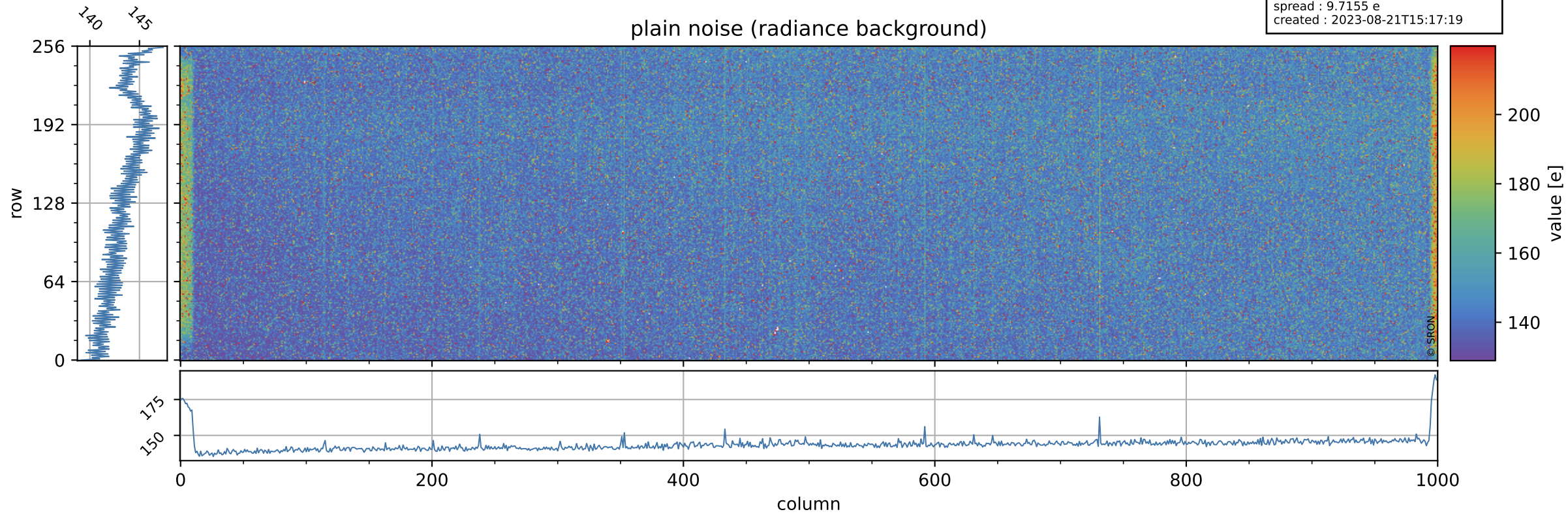
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.34 e  
spread : 9.7155 e  
created : 2023-08-21T15:17:19

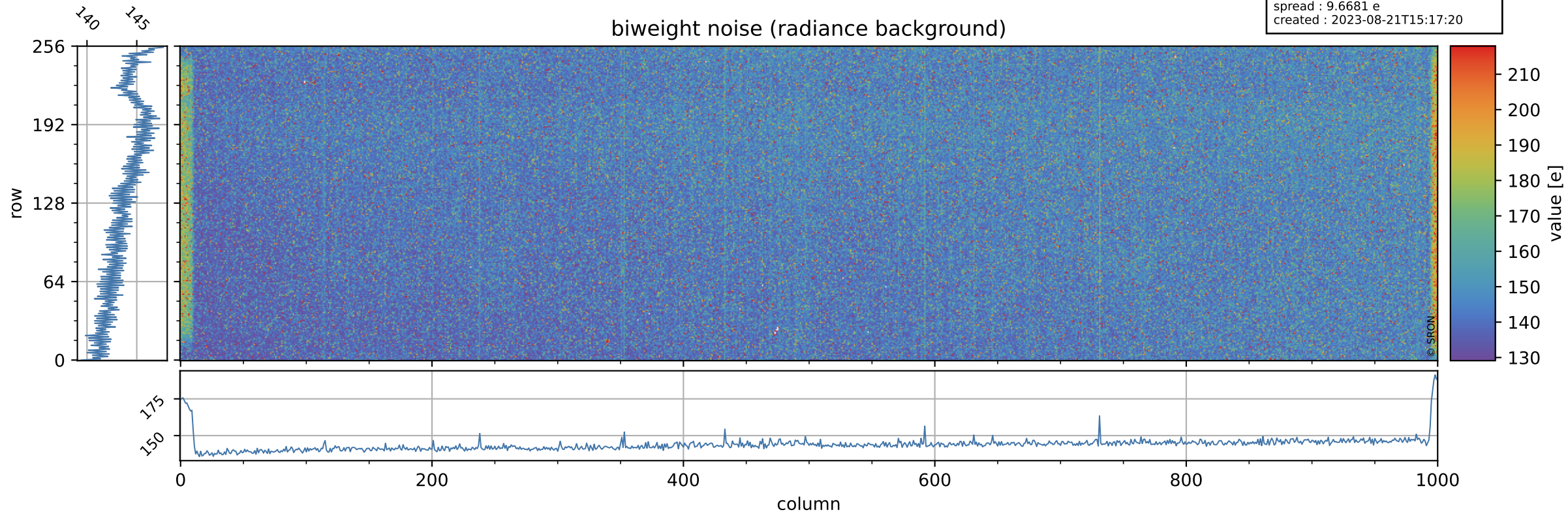
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.6681 e  
created : 2023-08-21T15:17:20

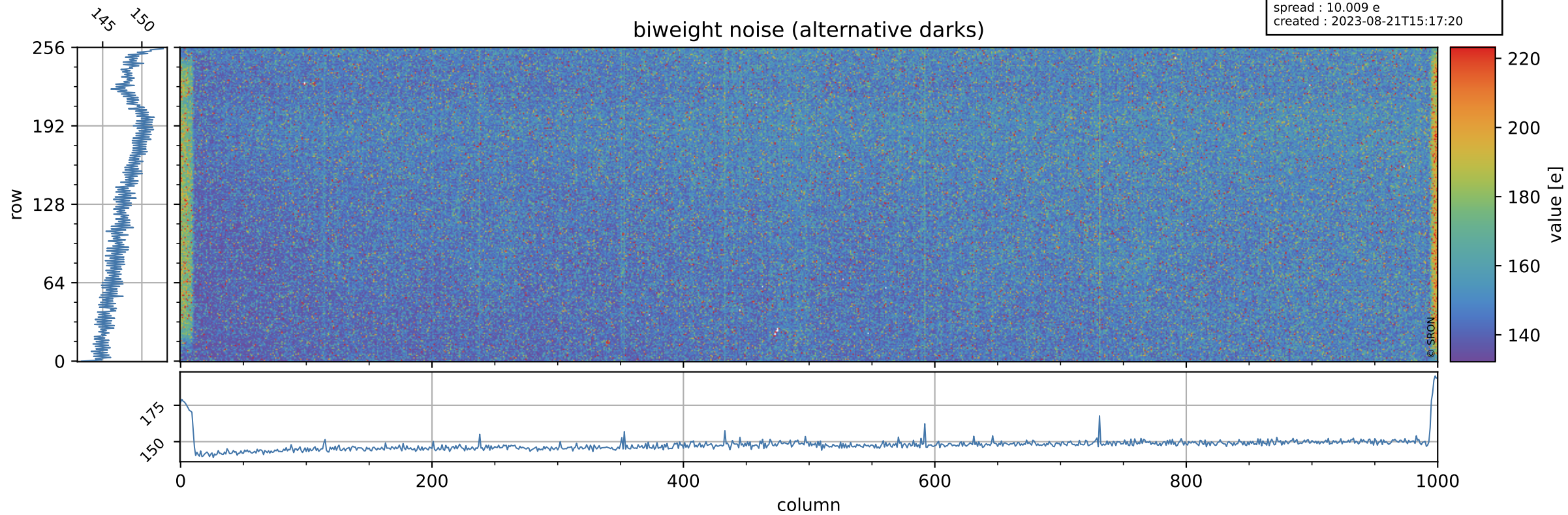
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.009 e  
created : 2023-08-21T15:17:20

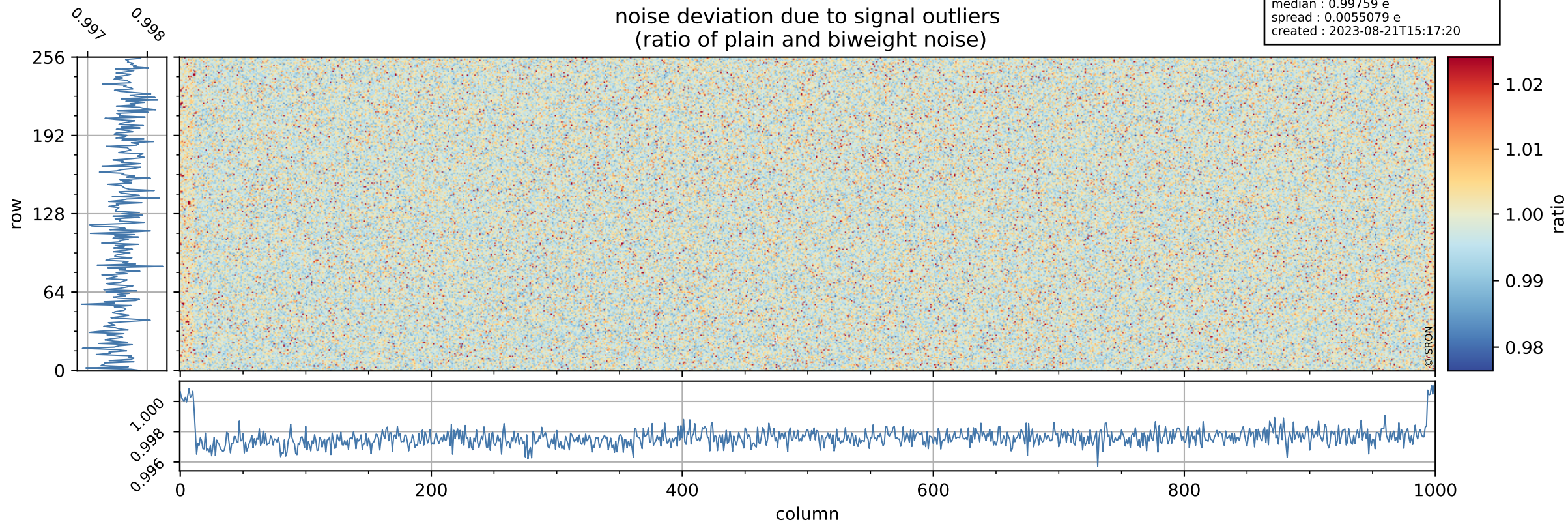
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

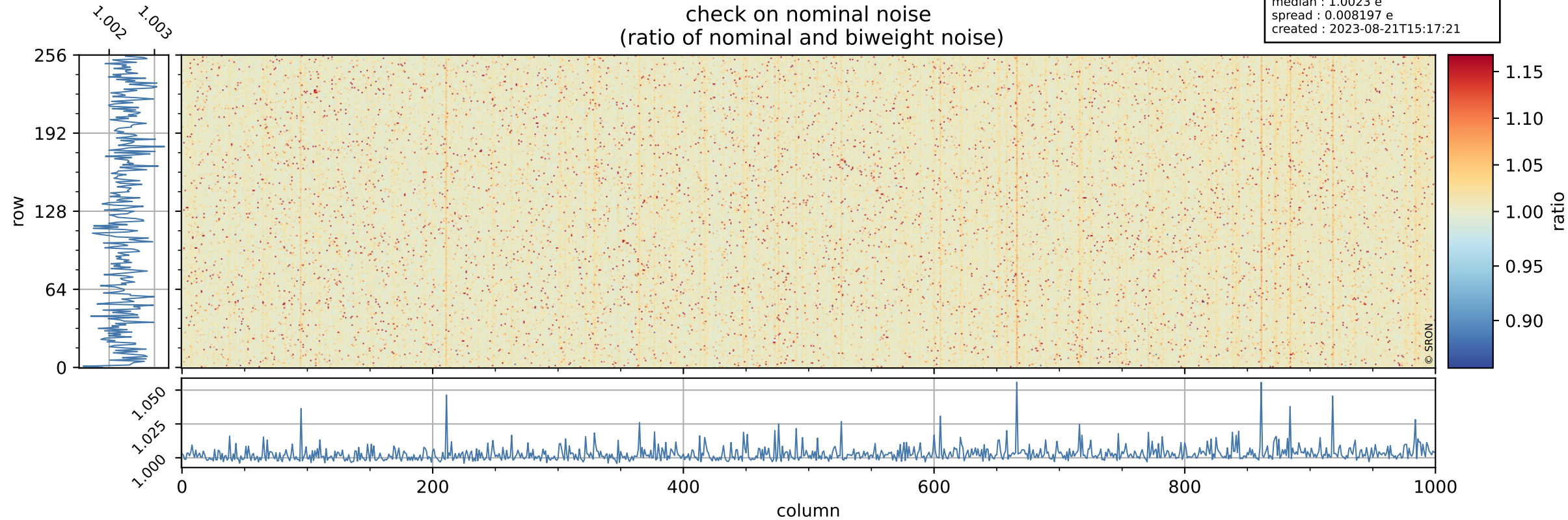
orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
median : 0.99759 e  
spread : 0.0055079 e  
created : 2023-08-21T15:17:20



# Tropomi SWIR background noise (swir)

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

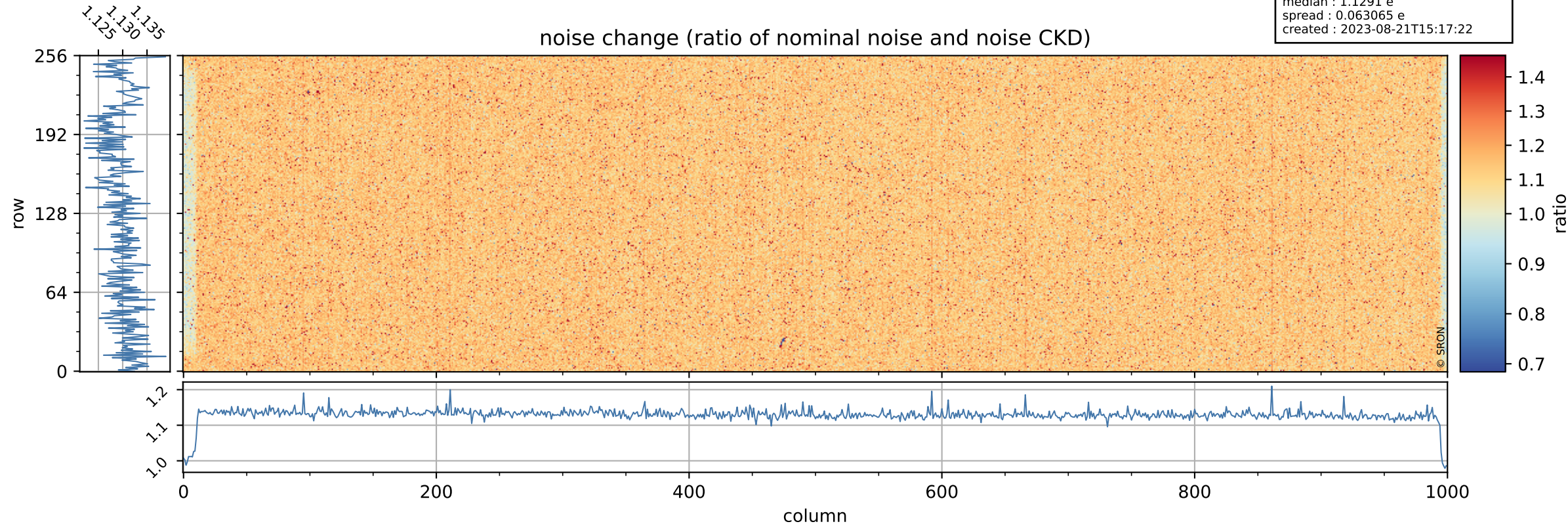
orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
median : 1.0023 e  
spread : 0.008197 e  
created : 2023-08-21T15:17:21



# Tropomi SWIR background noise (swir)

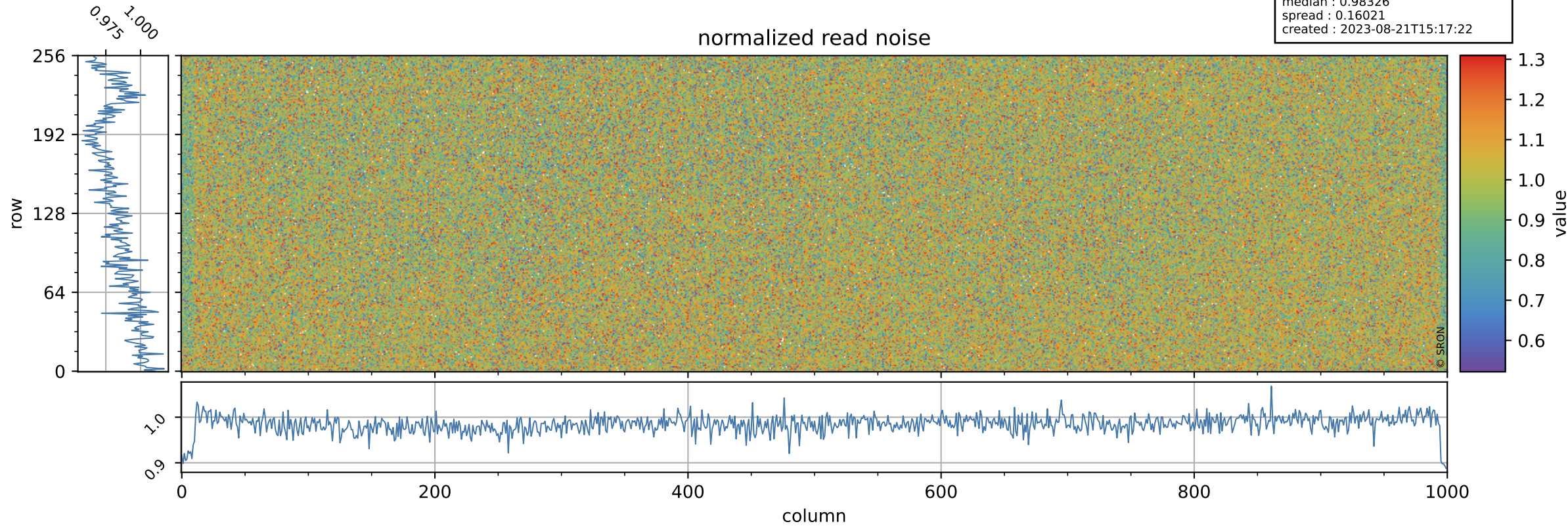
orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
median : 1.1291 e  
spread : 0.063065 e  
created : 2023-08-21T15:17:22

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

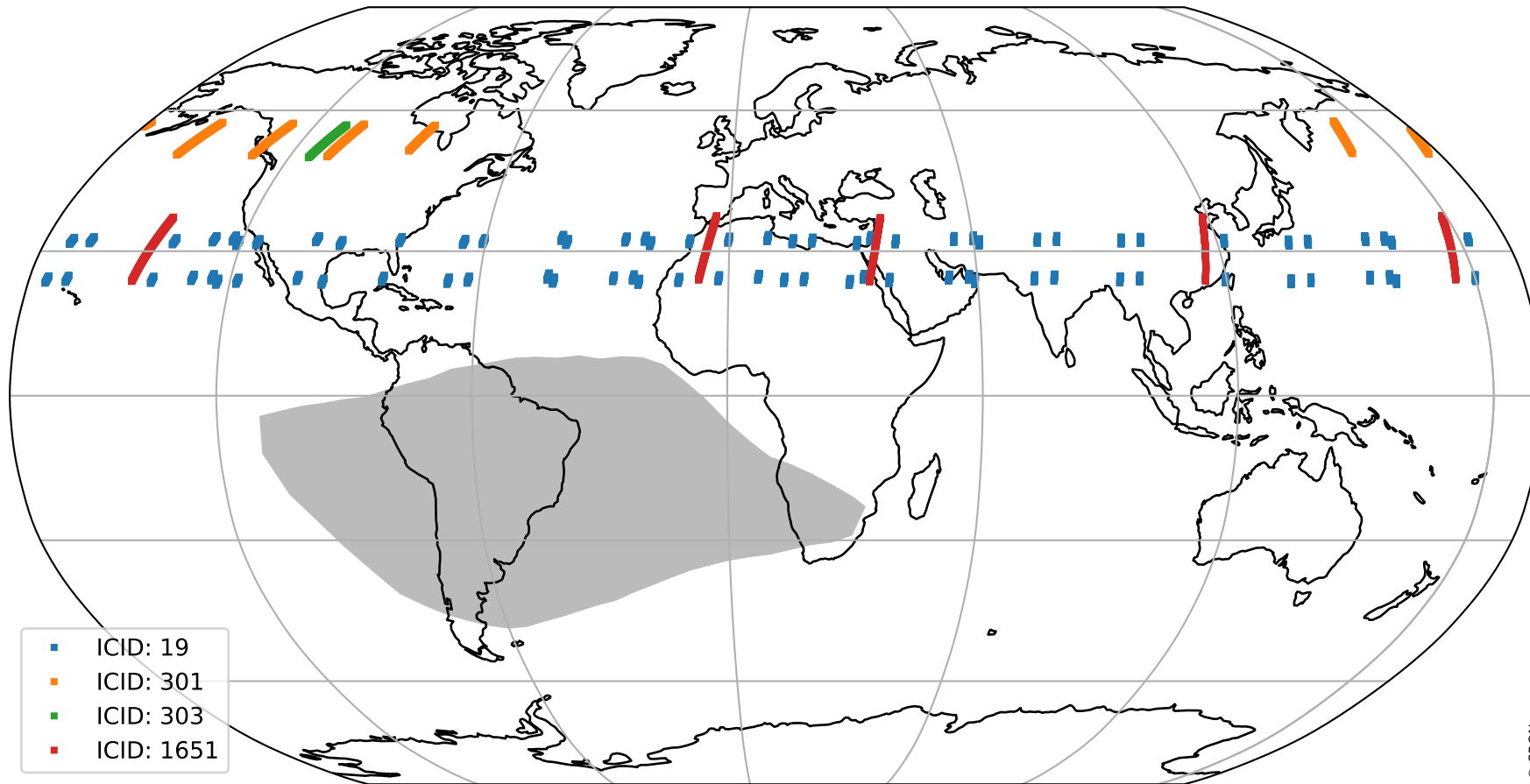
orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
median : 0.98326  
spread : 0.16021  
created : 2023-08-21T15:17:22





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

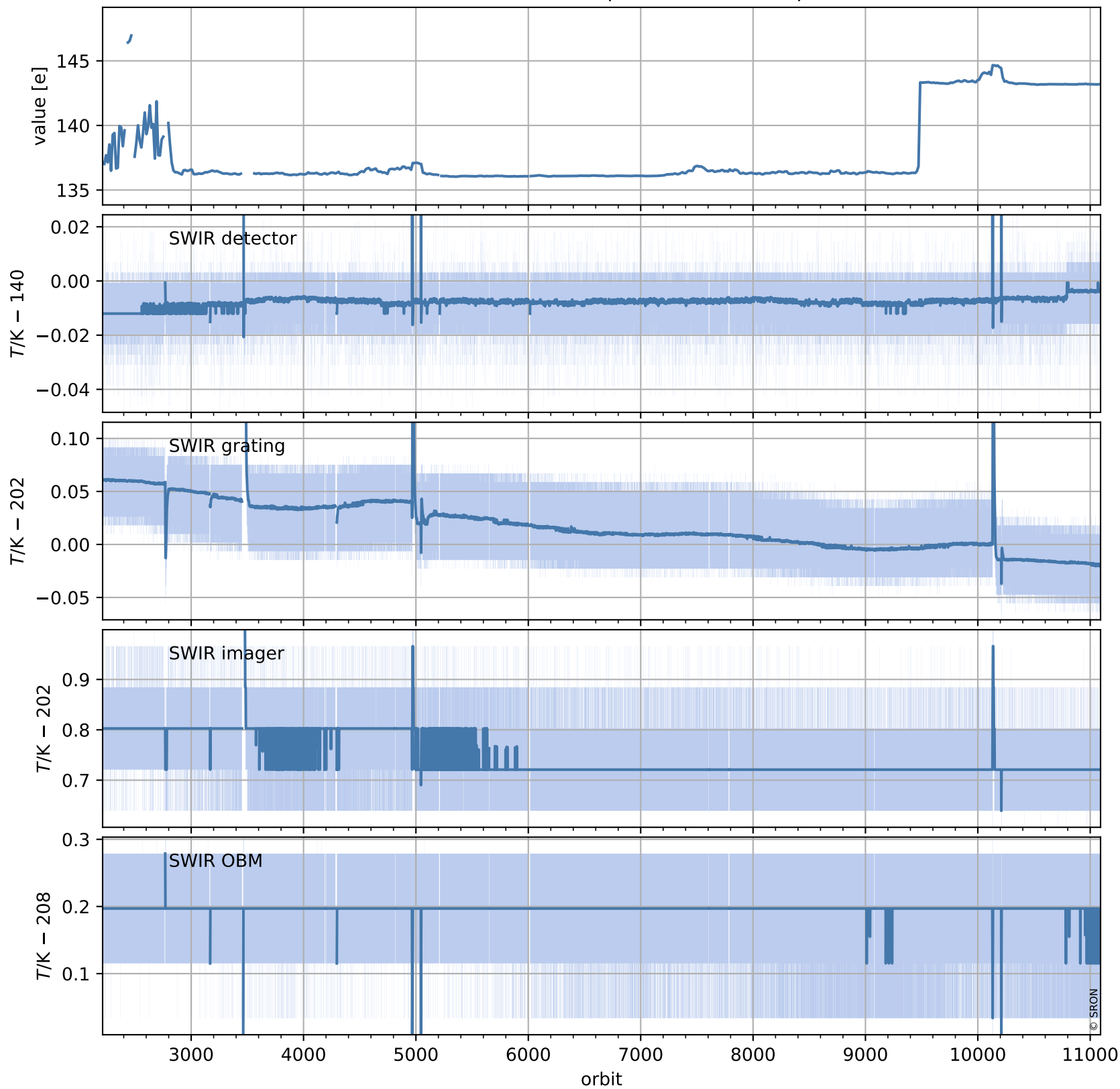
orbits : 12 in [11017, 11092]  
coverage : 2019-11-28 / 2019-12-03  
created : 2023-08-21T15:17:23



# Tropomi SWIR background noise (swir)

orbits : [2212, 11092]  
coverage : 2018-03-18 / 2019-12-03  
created : 2023-08-21T15:17:23

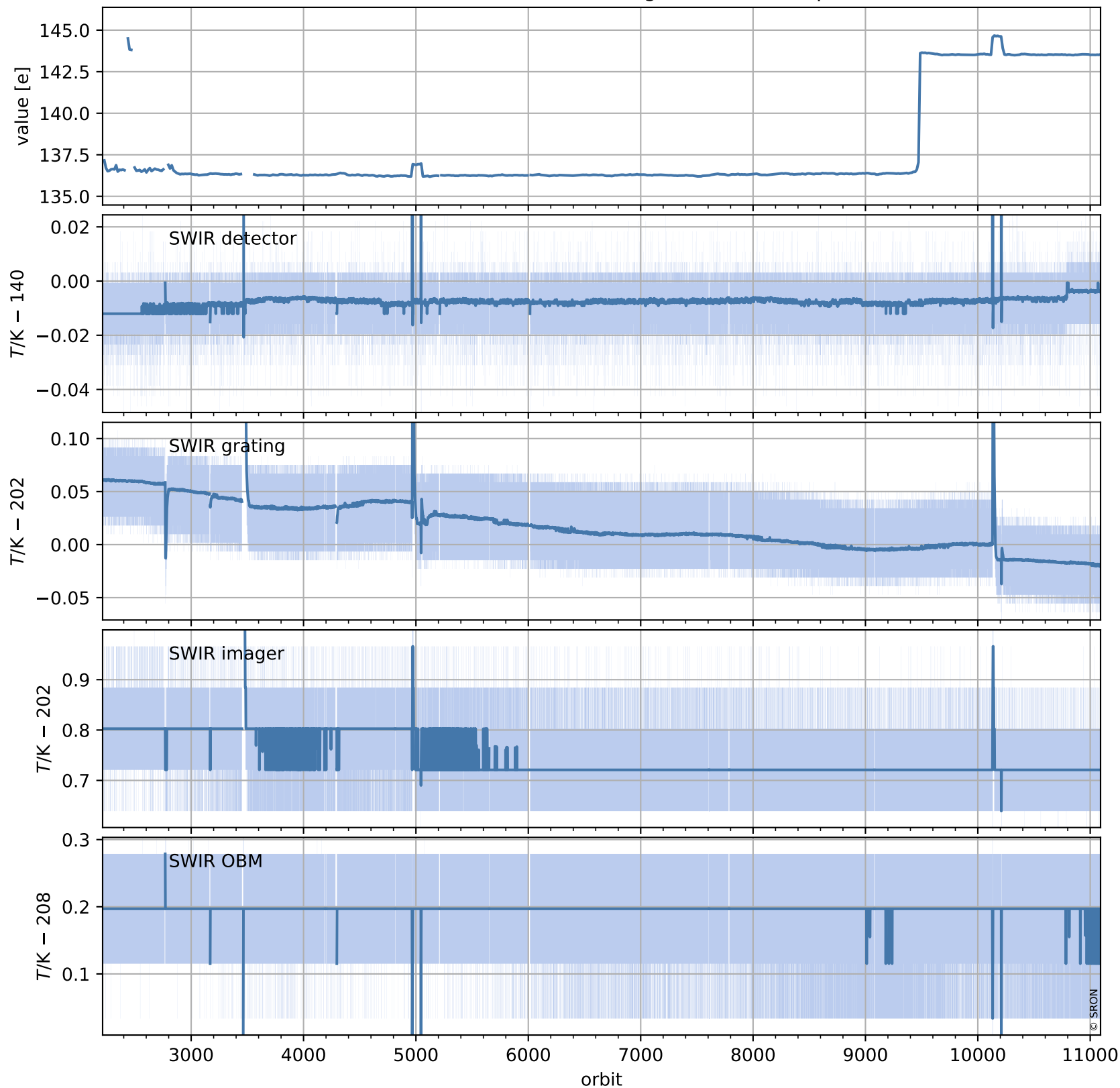
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11092]  
coverage : 2018-03-18 / 2019-12-03  
created : 2023-08-21T15:17:24

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11092]  
coverage : 2018-03-18 / 2019-12-03  
created : 2023-08-21T15:17:25

## trend of normalized read-noise & temperatures

