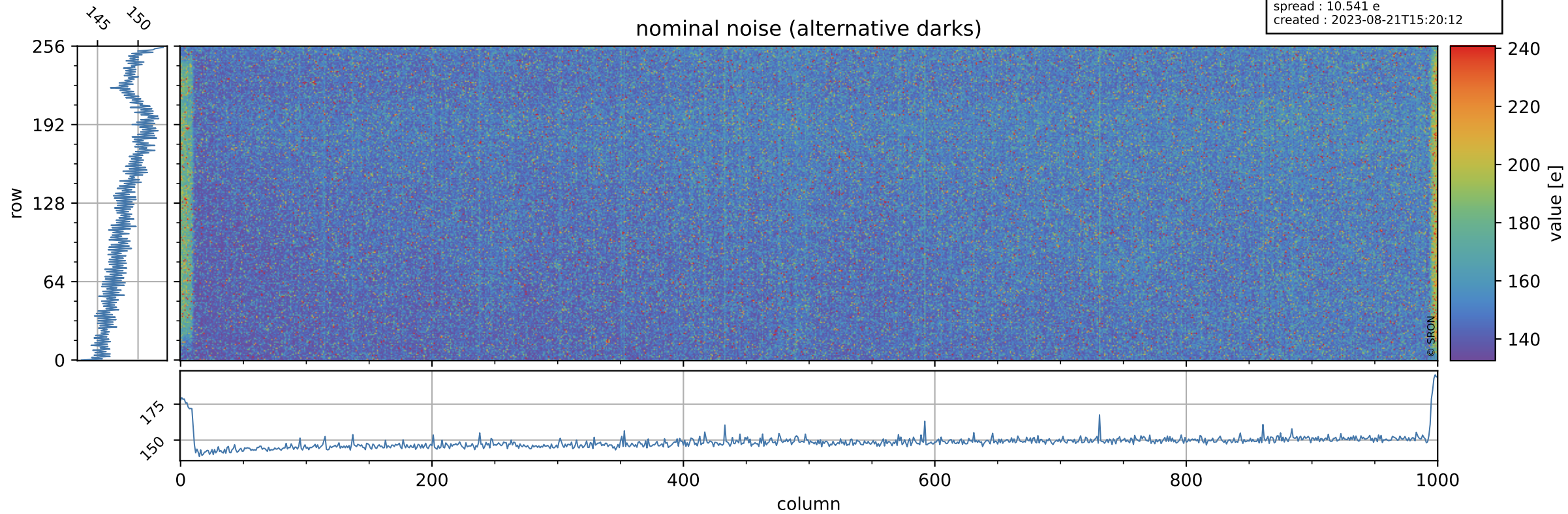


# Tropomi SWIR background noise (swir)

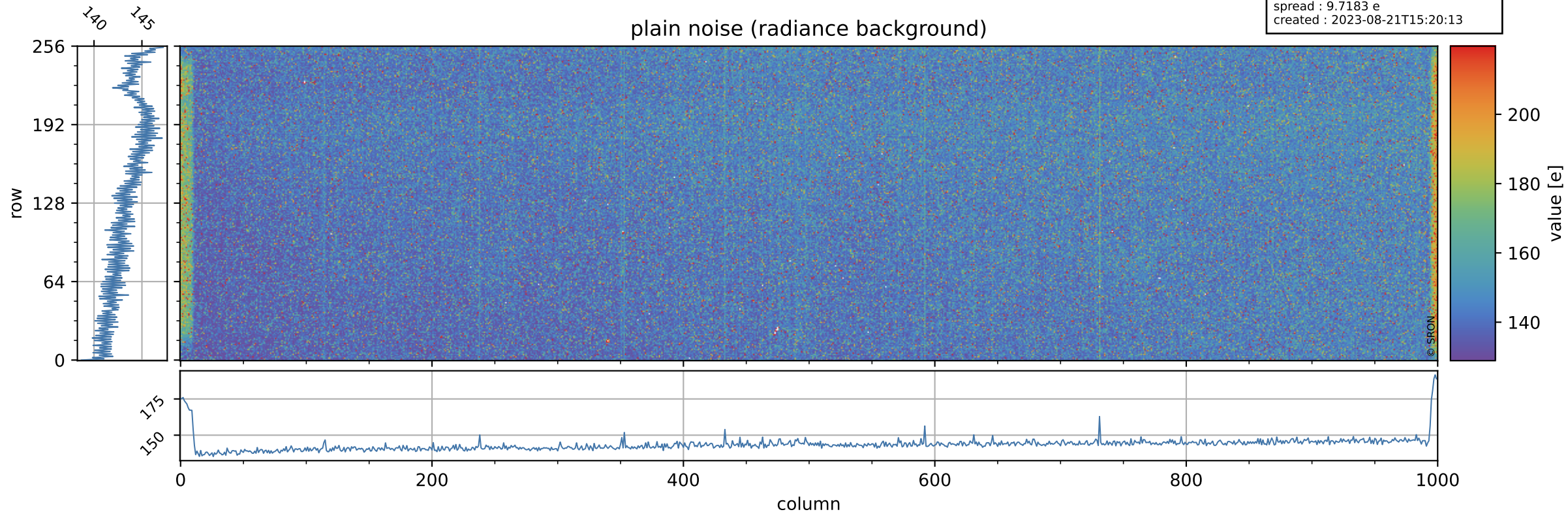
orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.541 e  
created : 2023-08-21T15:20:12



# Tropomi SWIR background noise (swir)

orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.34 e  
spread : 9.7183 e  
created : 2023-08-21T15:20:13

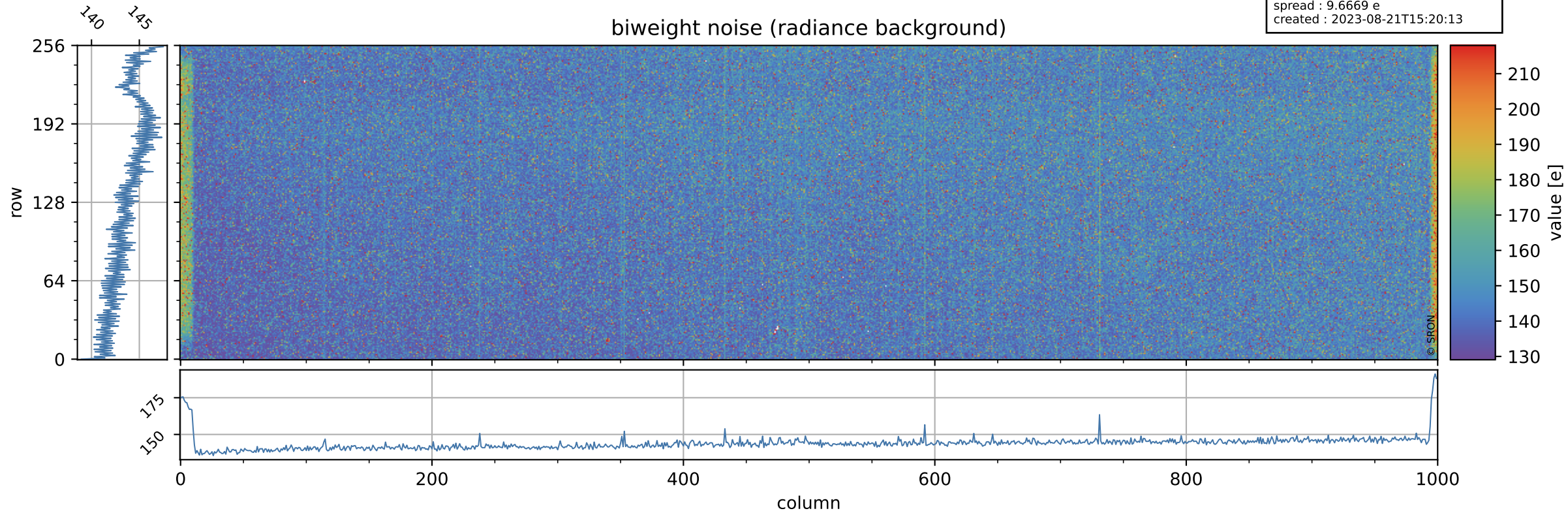
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.6669 e  
created : 2023-08-21T15:20:13

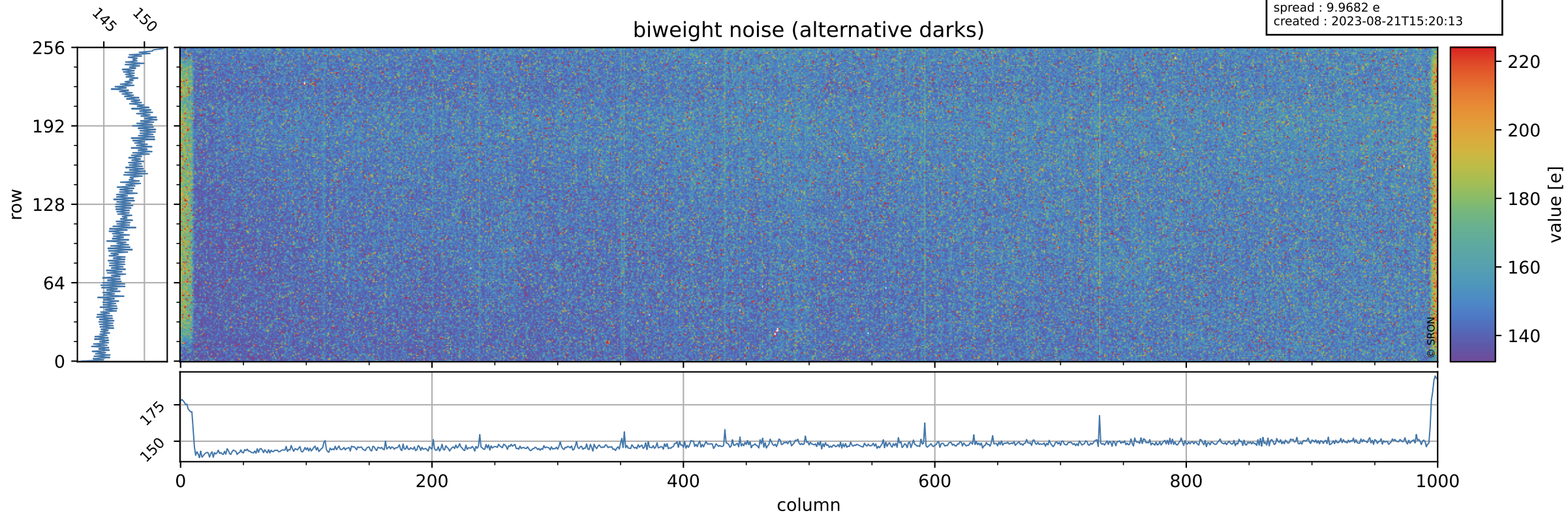
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 9.9682 e  
created : 2023-08-21T15:20:13

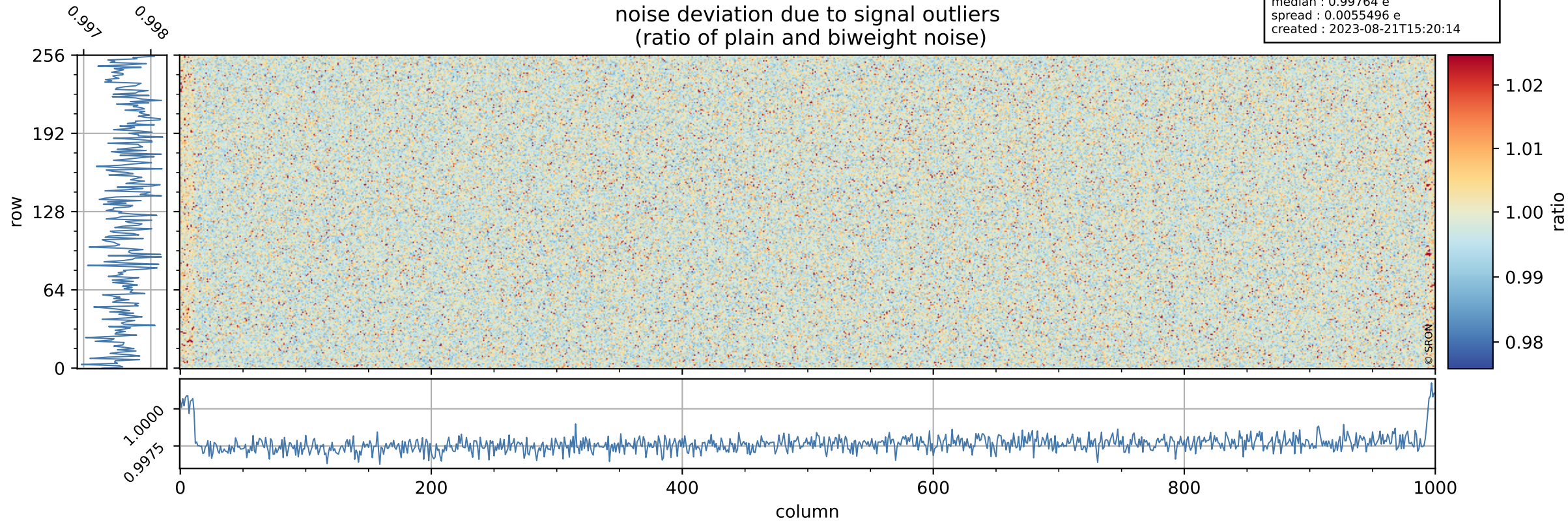
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

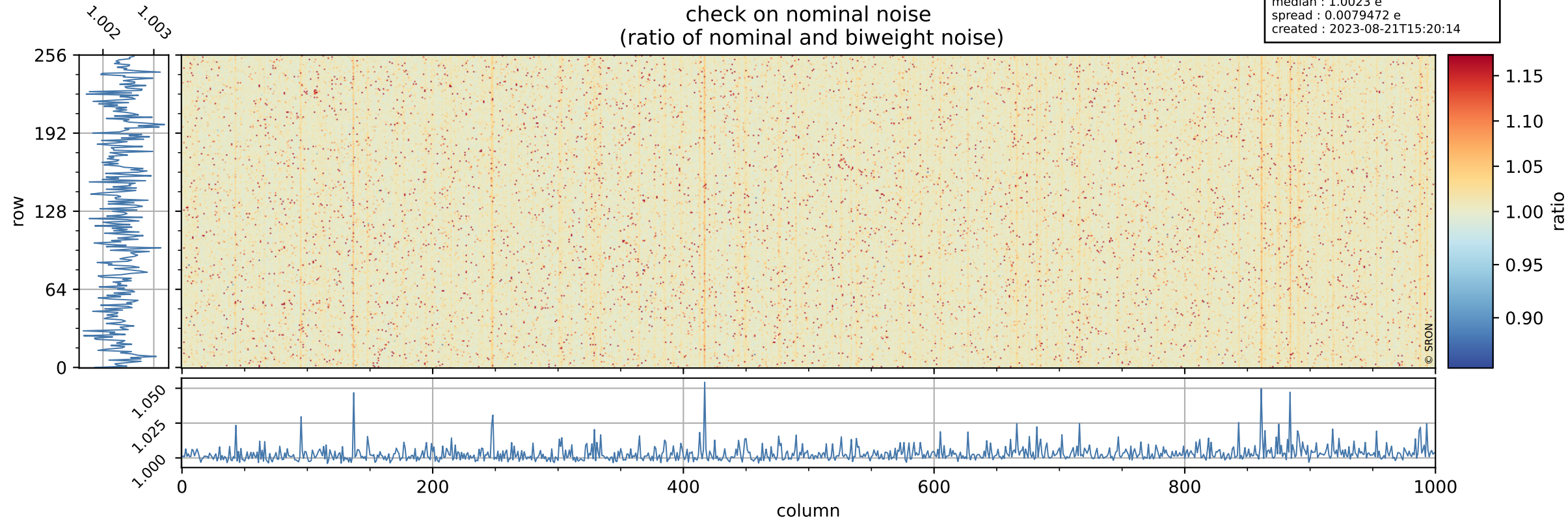
orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
median : 0.99764 e  
spread : 0.0055496 e  
created : 2023-08-21T15:20:14



# Tropomi SWIR background noise (swir)

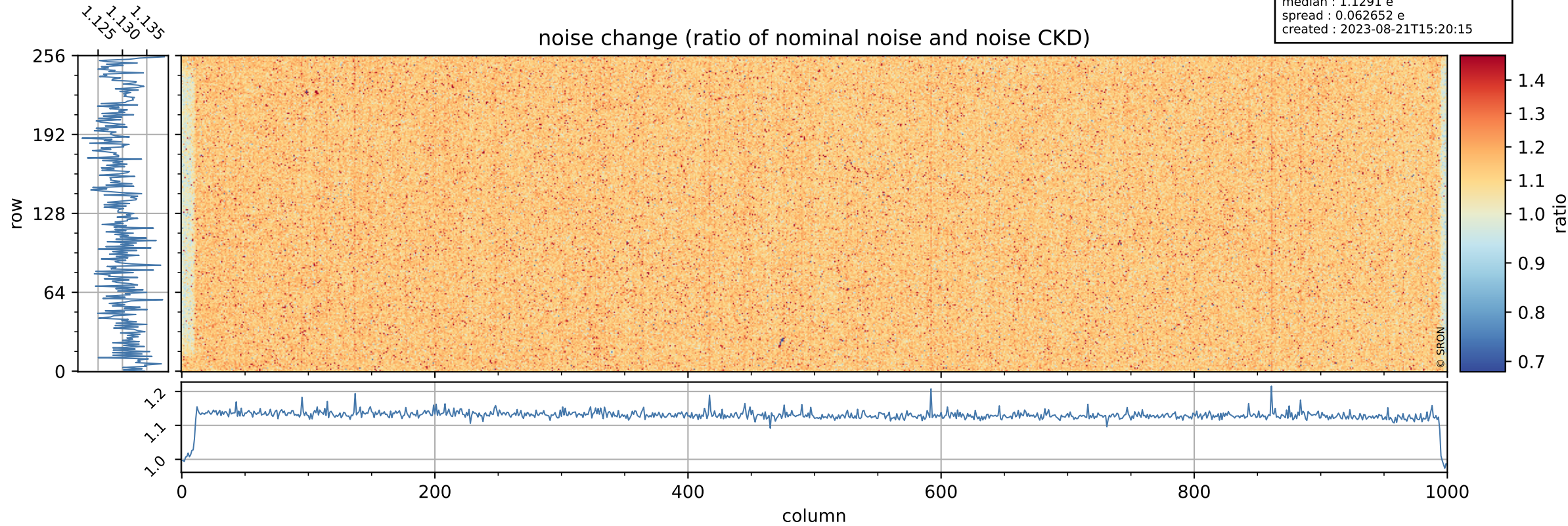
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
median : 1.0023 e  
spread : 0.0079472 e  
created : 2023-08-21T15:20:14



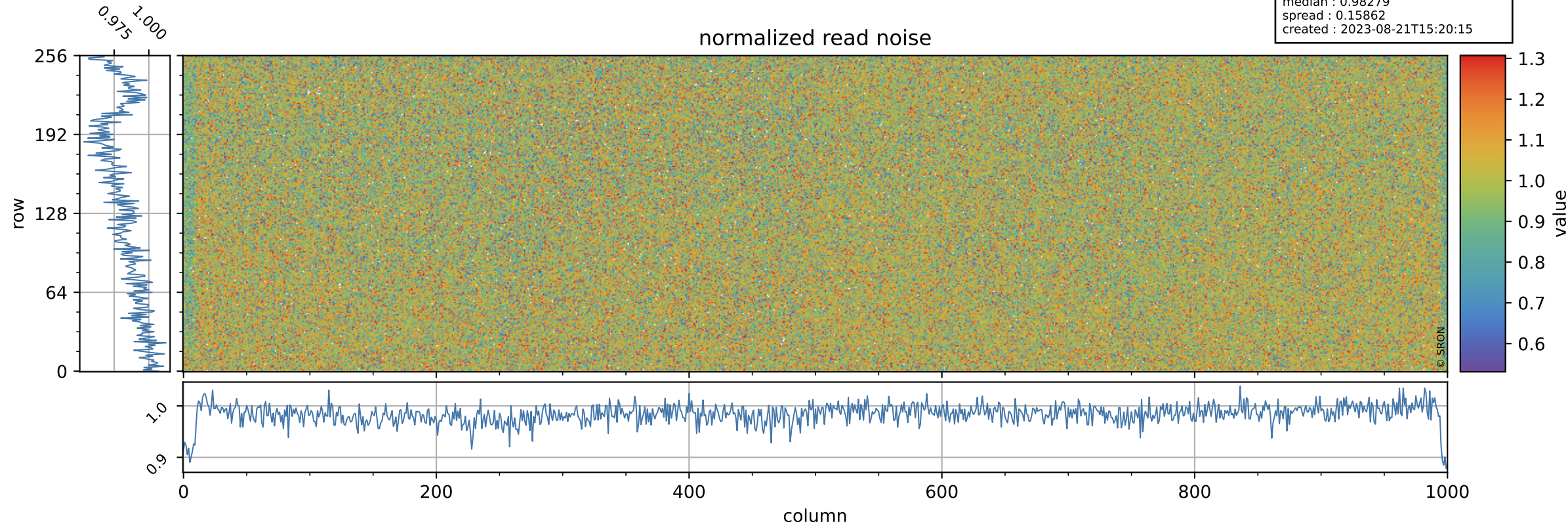
# Tropomi SWIR background noise (swir)

orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
median : 1.1291 e  
spread : 0.062652 e  
created : 2023-08-21T15:20:15



# Tropomi SWIR background noise (swir)

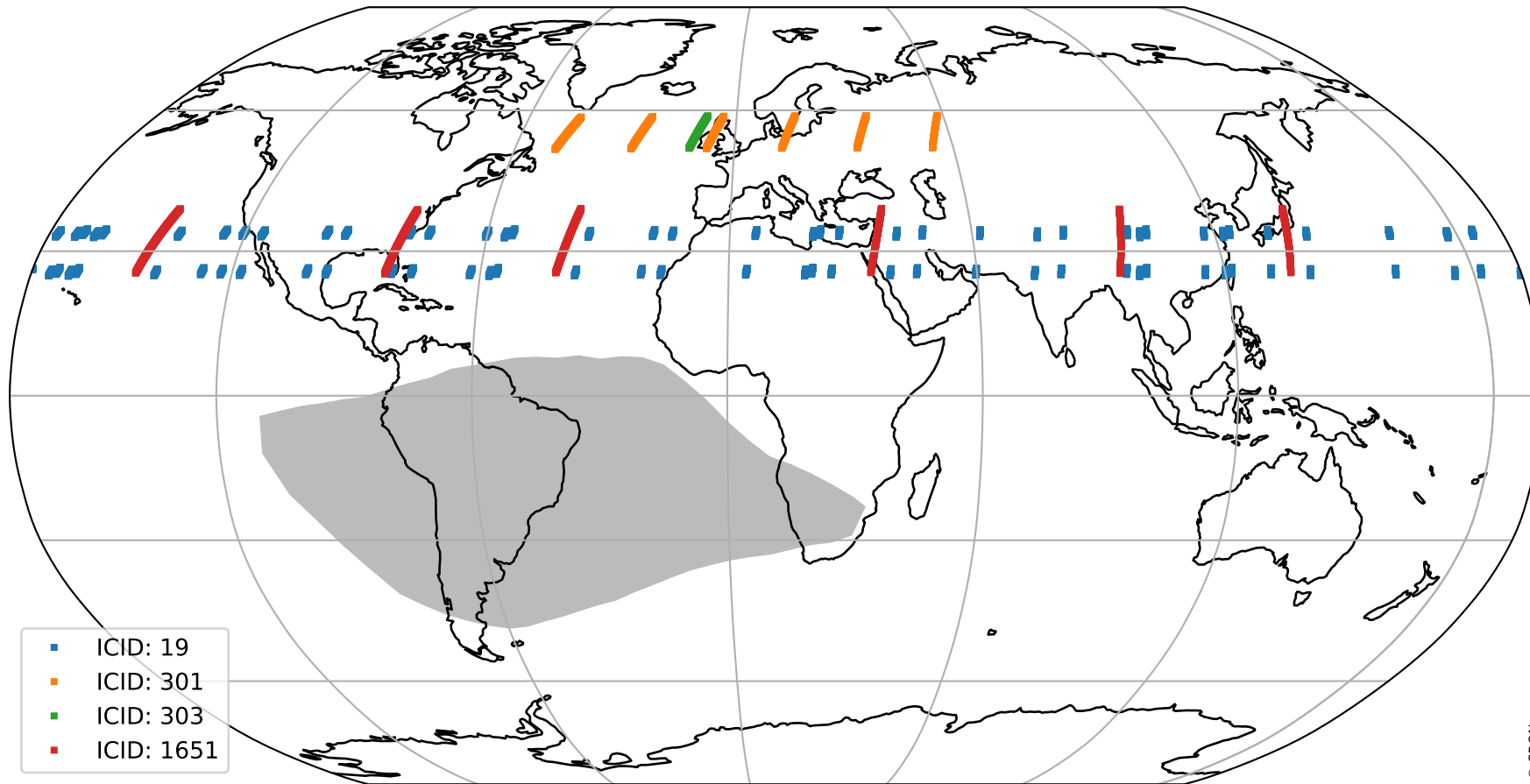
orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
median : 0.98279  
spread : 0.15862  
created : 2023-08-21T15:20:15





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

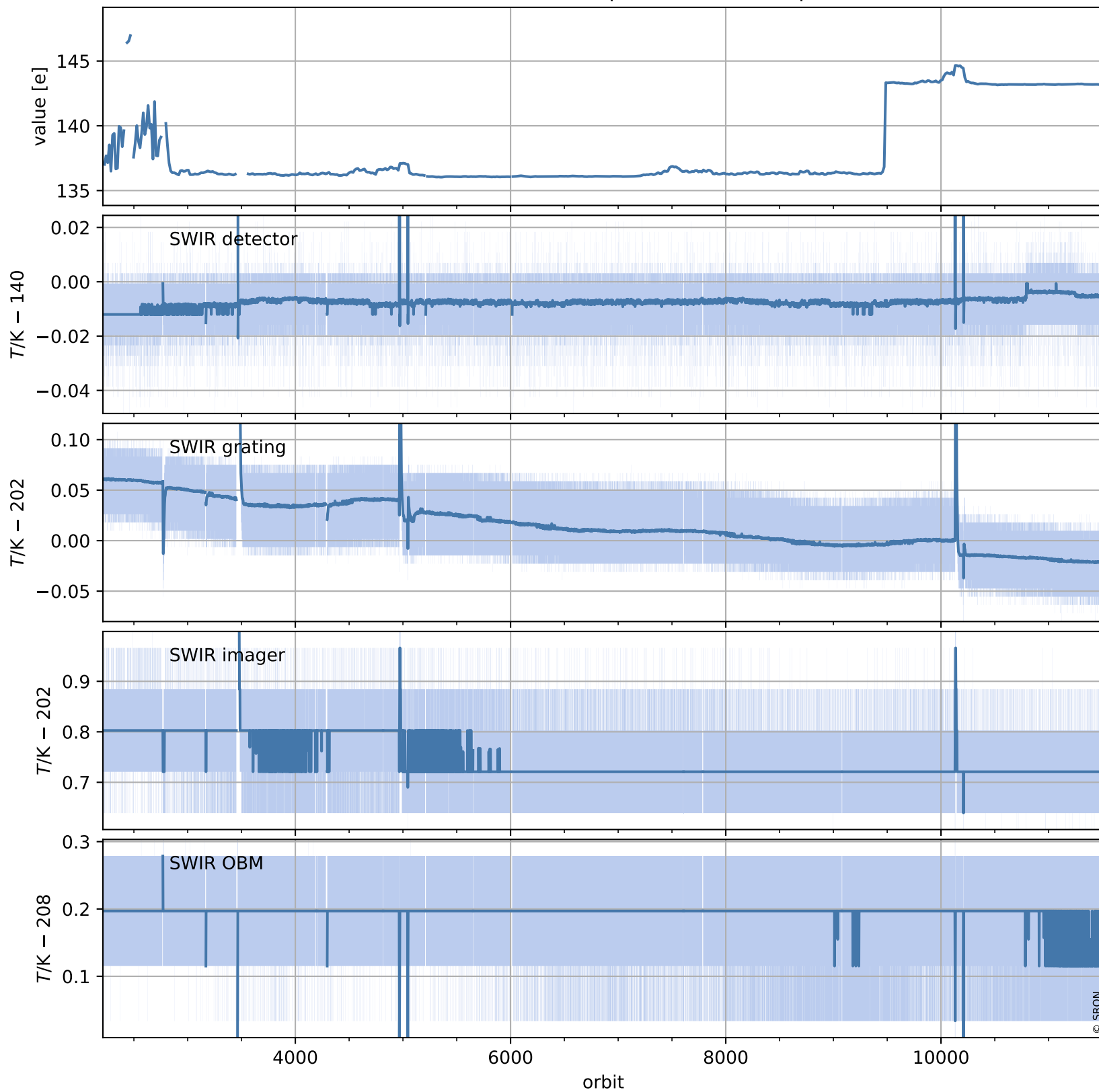
orbits : 13 in [11422, 11512]  
coverage : 2019-12-27 / 2020-01-02  
created : 2023-08-21T15:20:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 11512]  
coverage : 2018-03-18 / 2020-01-02  
created : 2023-08-21T15:20:16

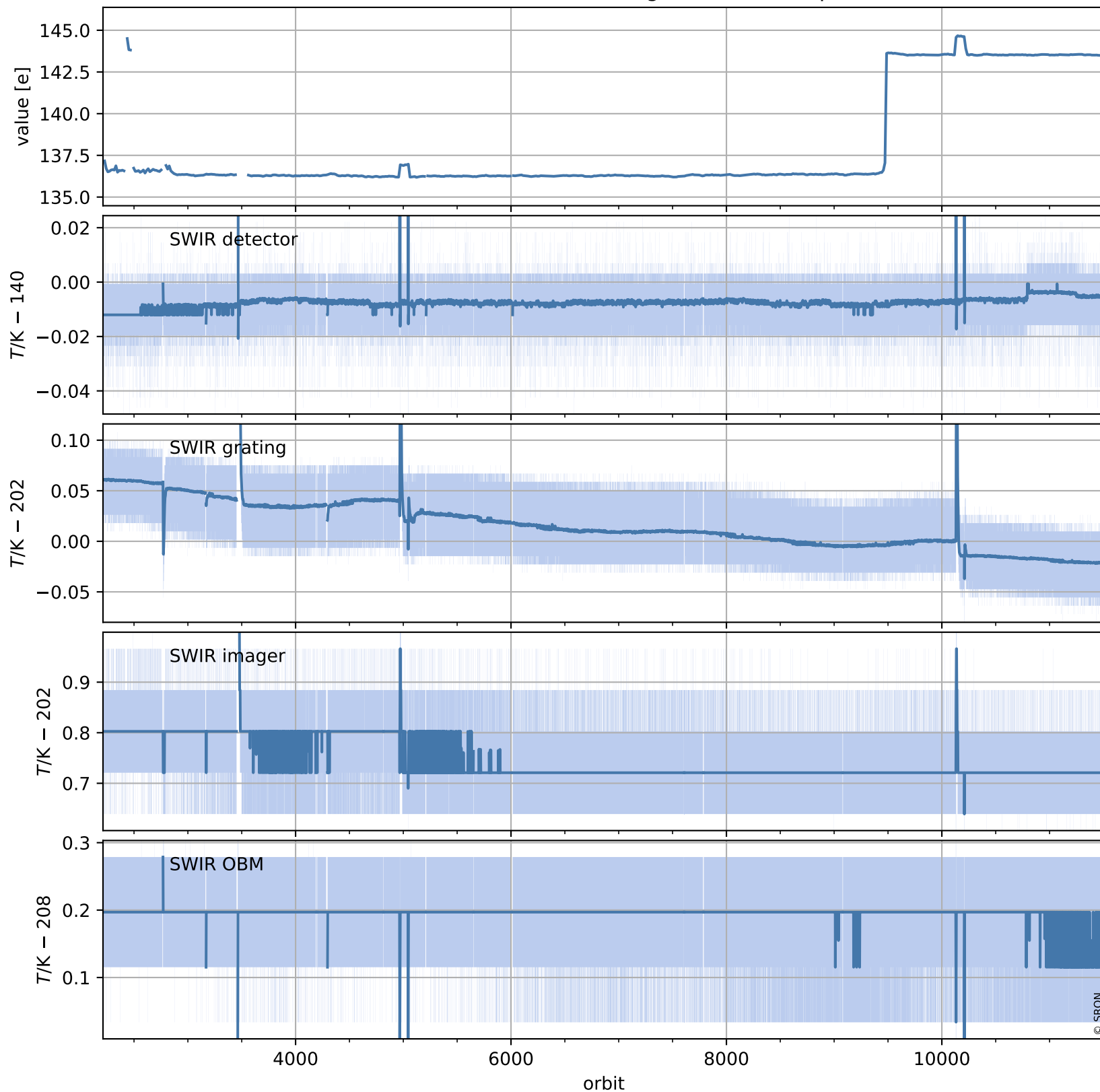
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11512]  
coverage : 2018-03-18 / 2020-01-02  
created : 2023-08-21T15:20:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11512]  
coverage : 2018-03-18 / 2020-01-02  
created : 2023-08-21T15:20:17

## trend of normalized read-noise & temperatures

