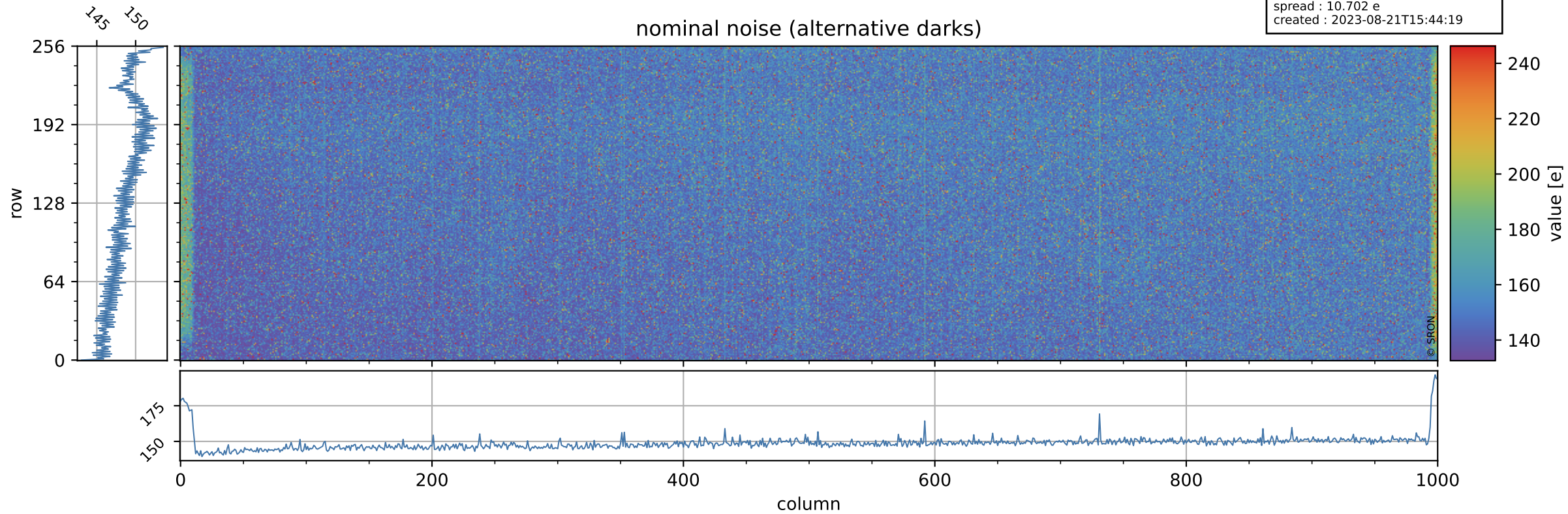


# Tropomi SWIR background noise (swir)

orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.702 e  
created : 2023-08-21T15:44:19

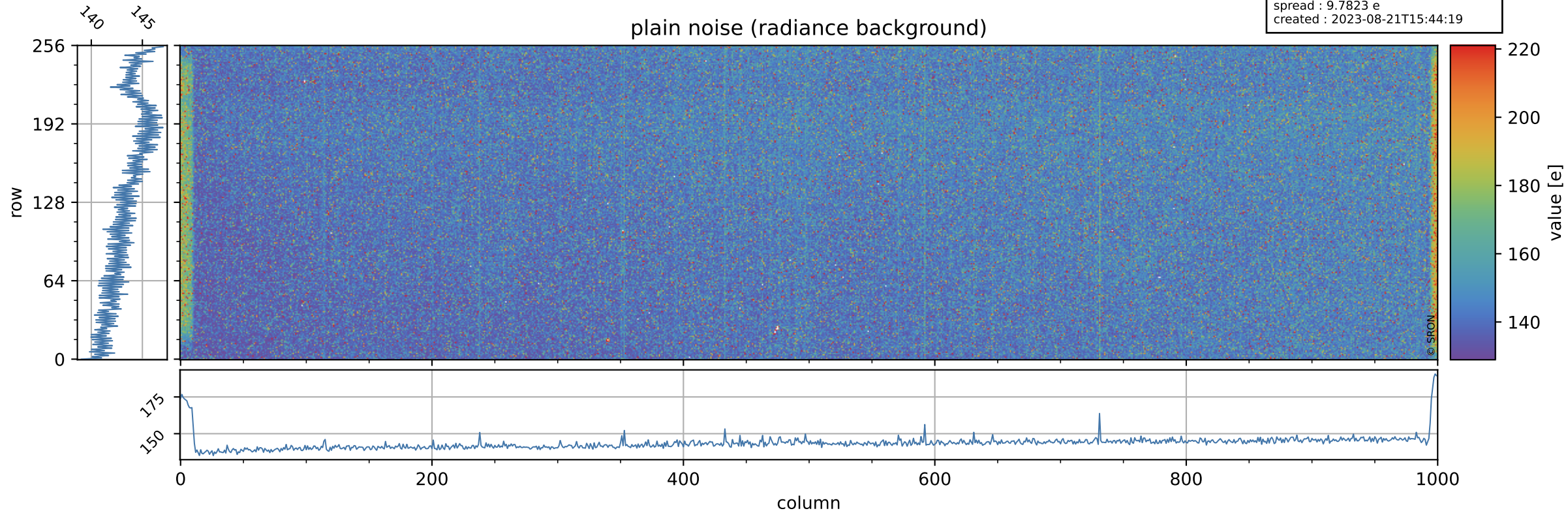
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7823 e  
created : 2023-08-21T15:44:19

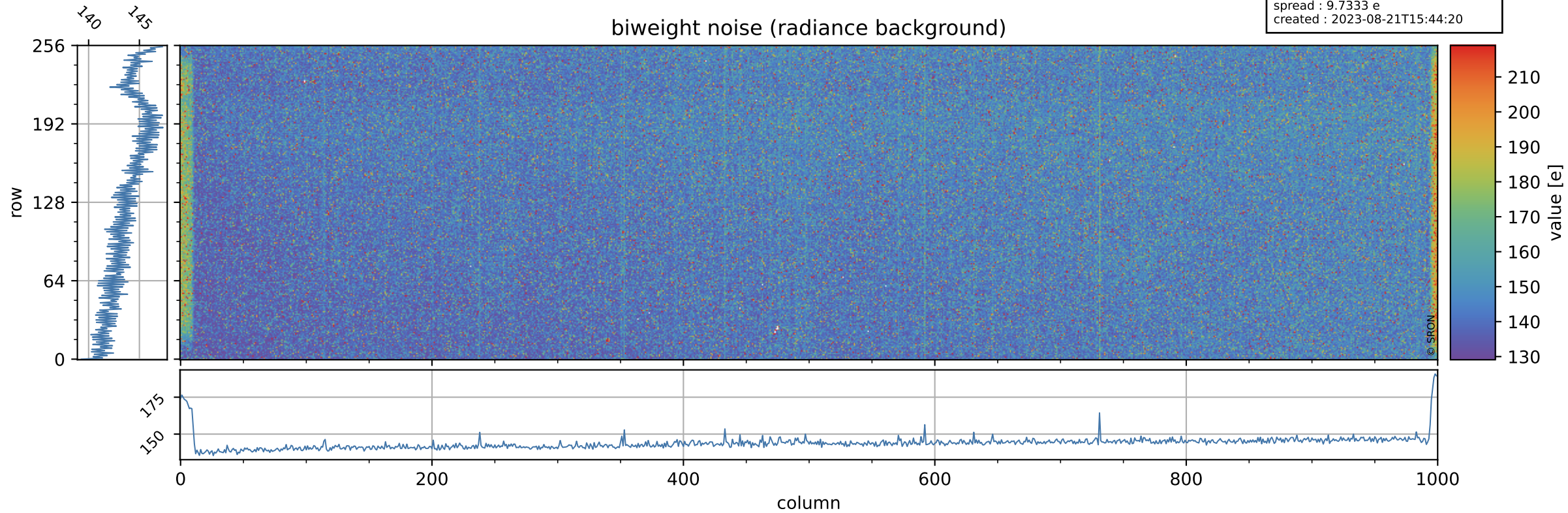
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.7333 e  
created : 2023-08-21T15:44:20

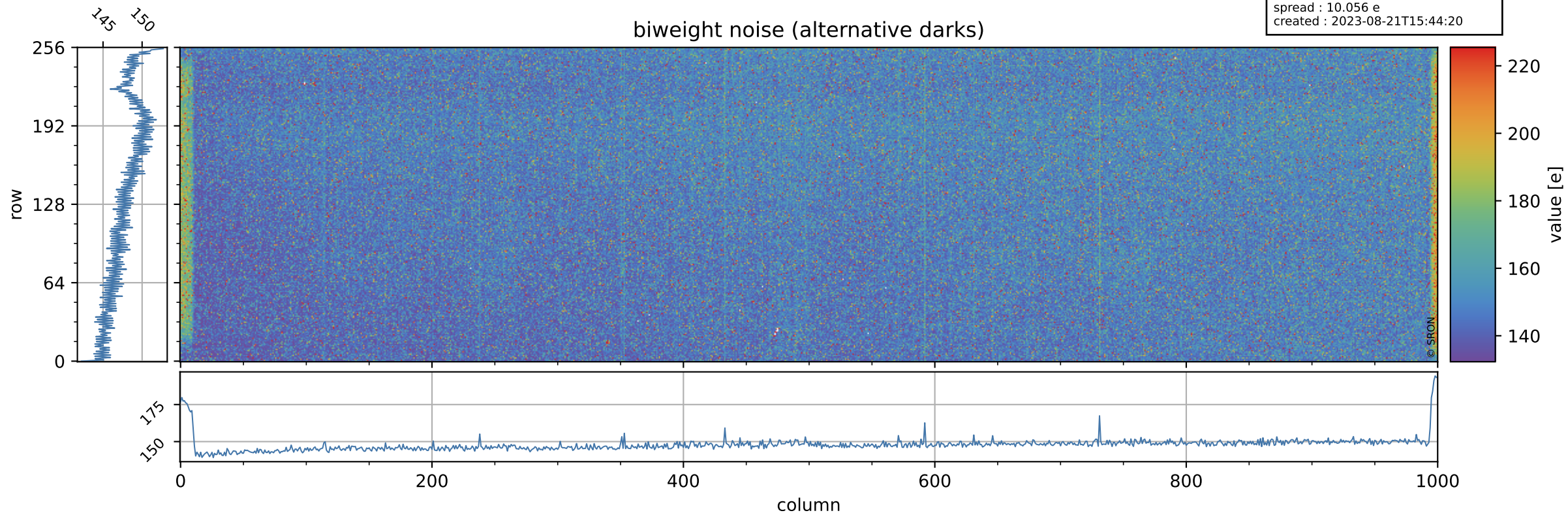
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.056 e  
created : 2023-08-21T15:44:20

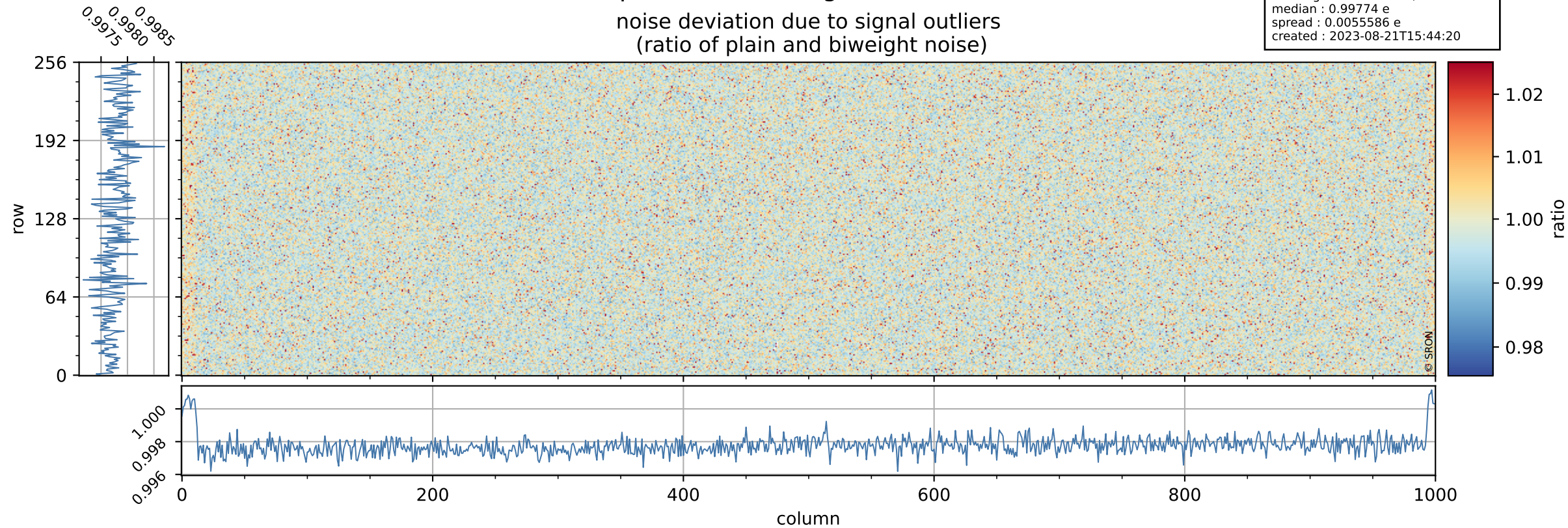
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

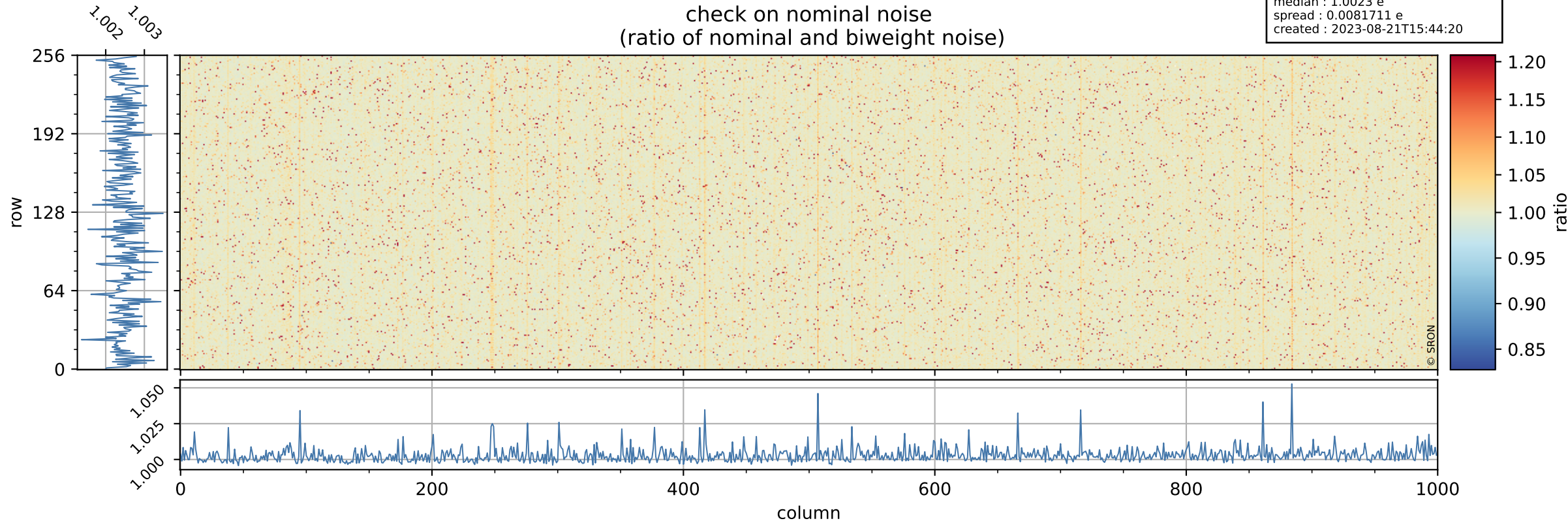
orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
median : 0.99774 e  
spread : 0.0055586 e  
created : 2023-08-21T15:44:20



# Tropomi SWIR background noise (swir)

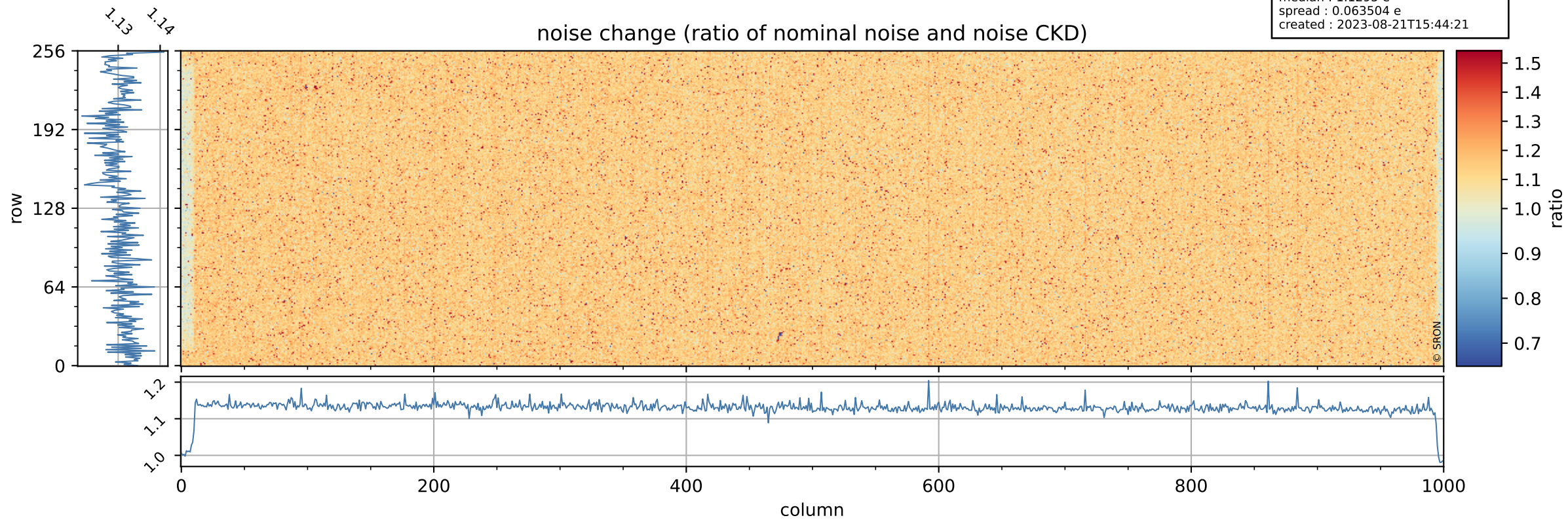
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
median : 1.0023 e  
spread : 0.0081711 e  
created : 2023-08-21T15:44:20



# Tropomi SWIR background noise (swir)

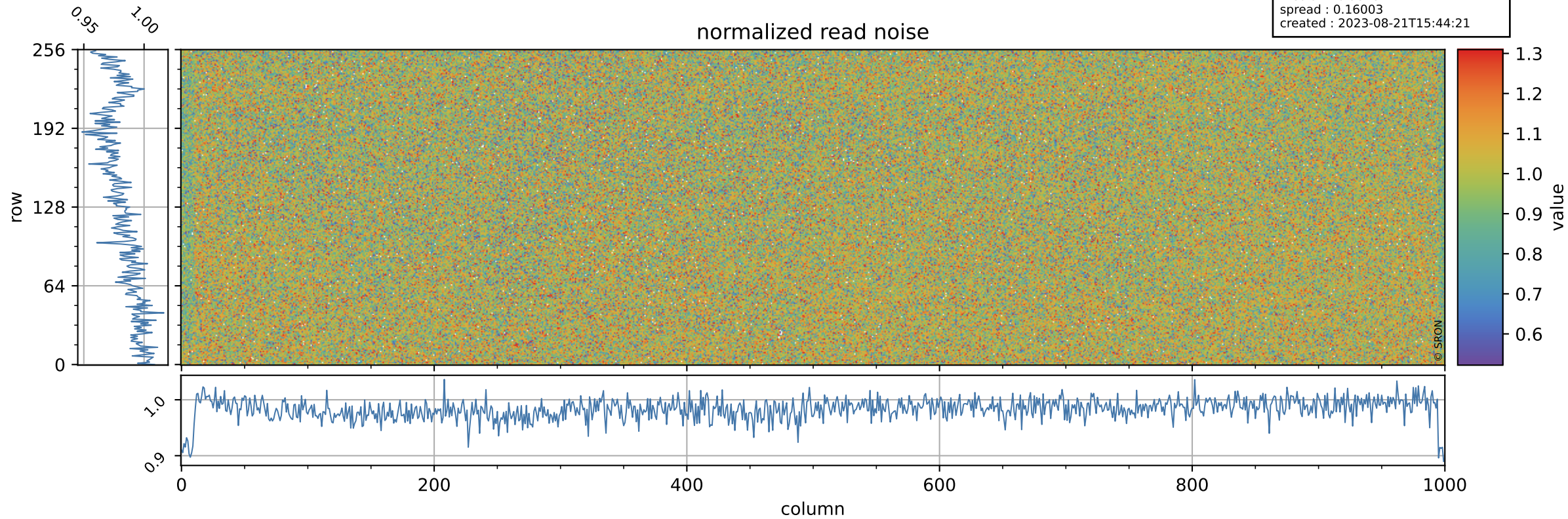
orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
median : 1.1295 e  
spread : 0.063504 e  
created : 2023-08-21T15:44:21



# Tropomi SWIR background noise (swir)

orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
median : 0.98187  
spread : 0.16003  
created : 2023-08-21T15:44:21

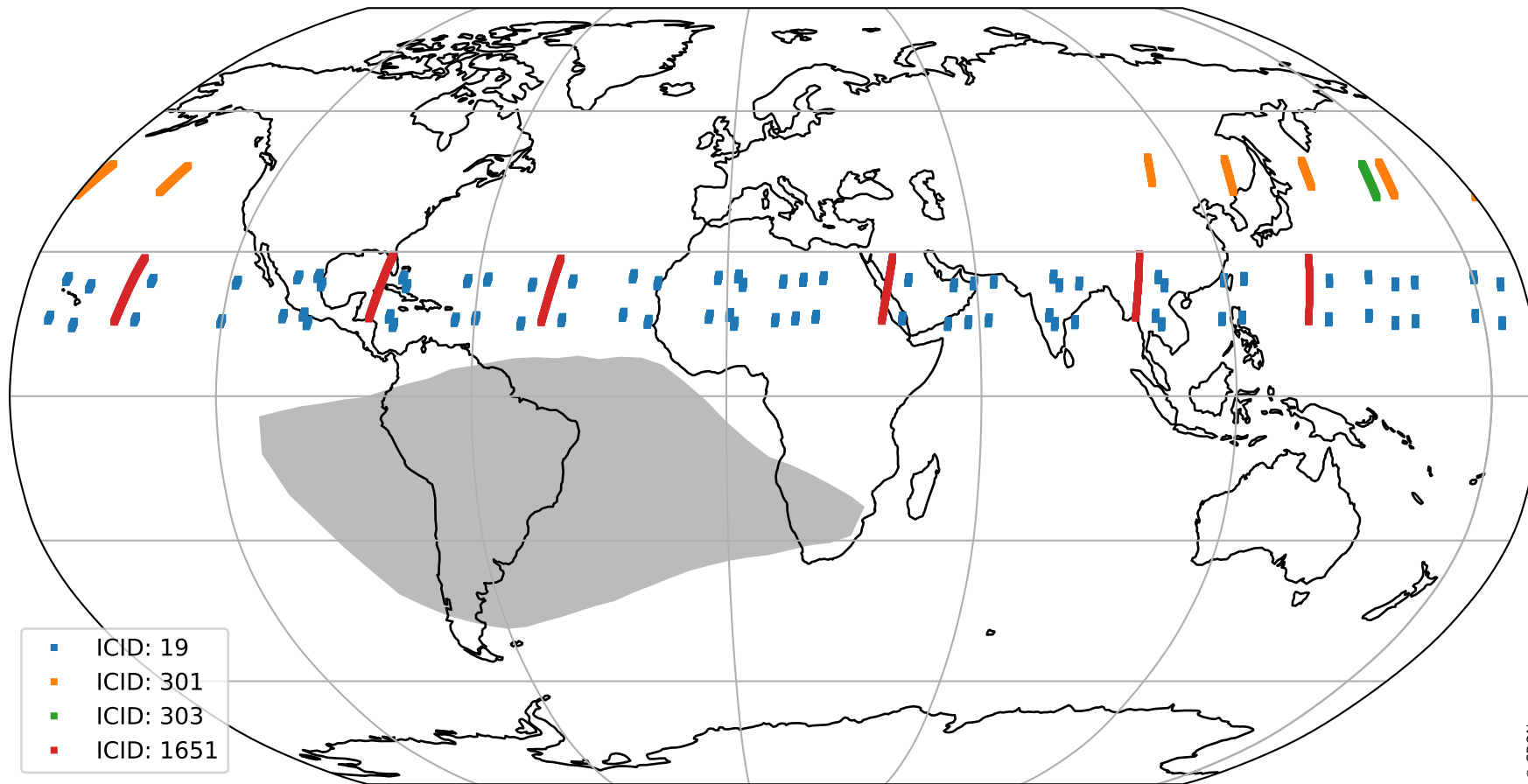
normalized read noise





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

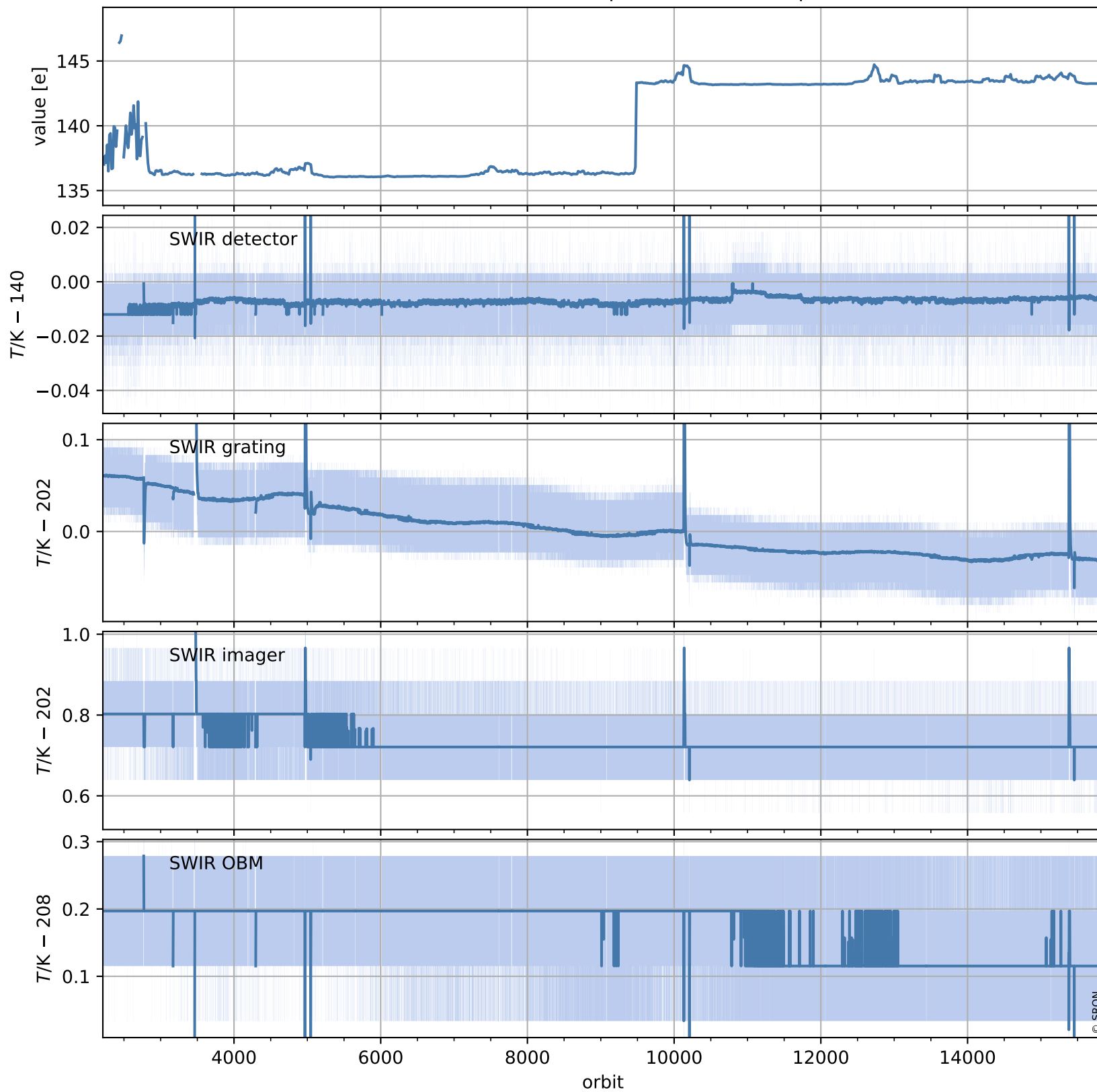
orbits : 13 in [15772, 15847]  
coverage : 2020-10-28 / 2020-11-02  
created : 2023-08-21T15:44:21



# Tropomi SWIR background noise (swir)

orbits : [2212, 15847]  
coverage : 2018-03-18 / 2020-11-02  
created : 2023-08-21T15:44:22

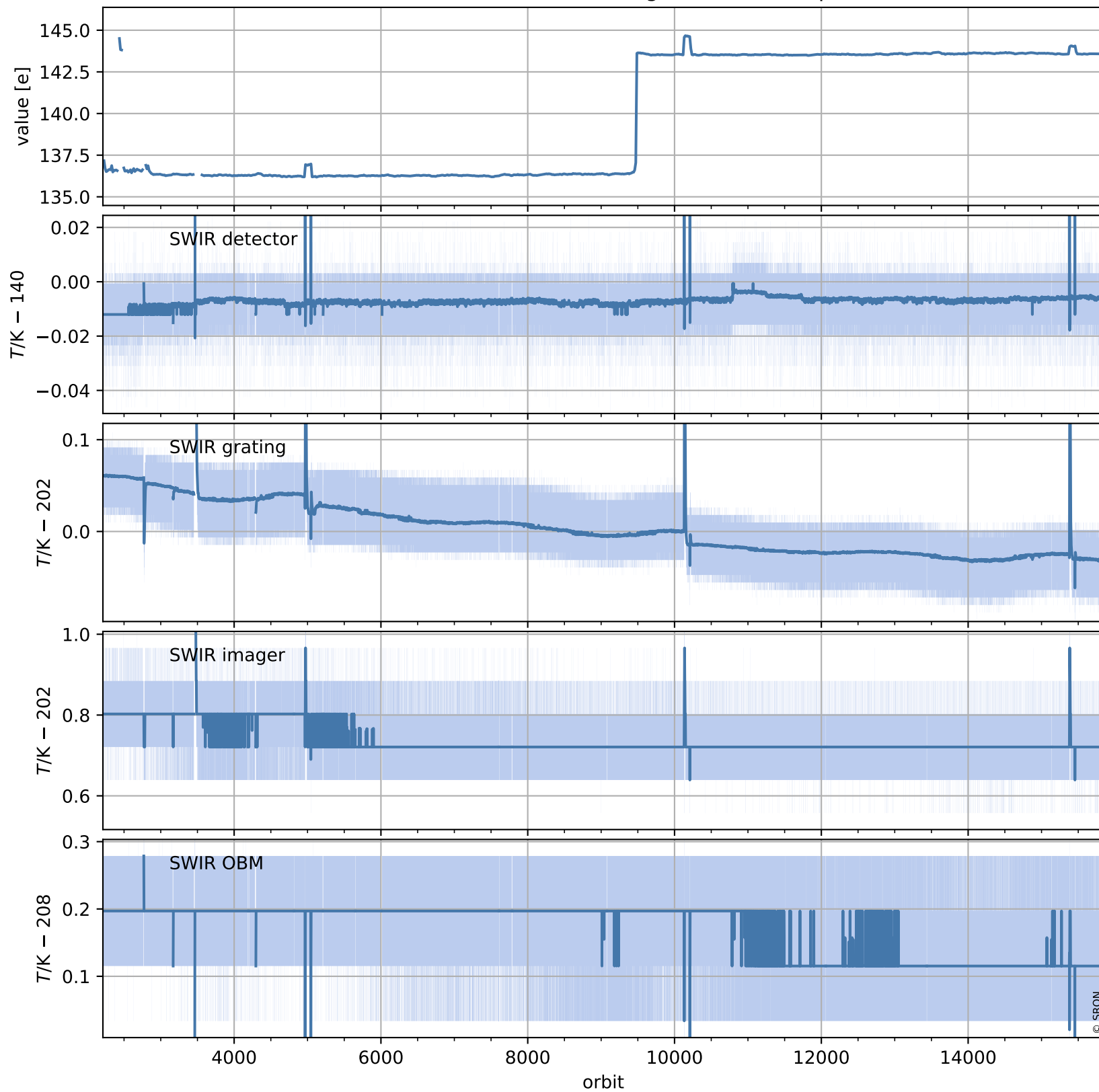
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15847]  
coverage : 2018-03-18 / 2020-11-02  
created : 2023-08-21T15:44:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15847]  
coverage : 2018-03-18 / 2020-11-02  
created : 2023-08-21T15:44:23

## trend of normalized read-noise & temperatures

