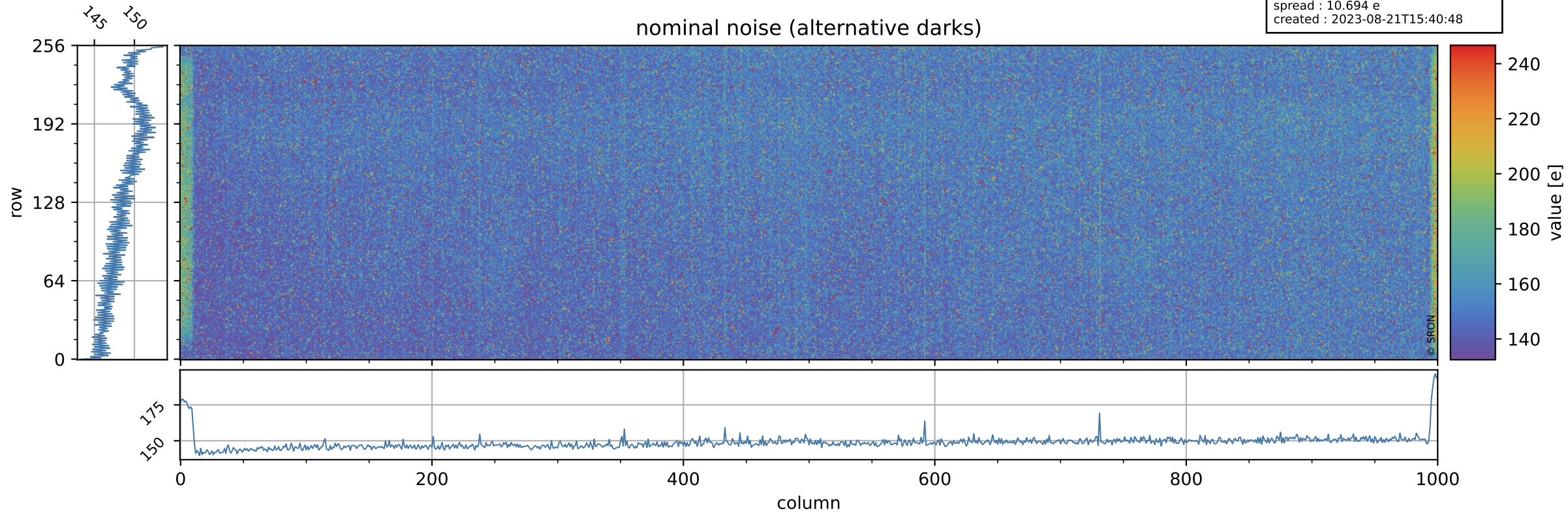


# Tropomi SWIR background noise (swir)

orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.49 e  
spread : 10.694 e  
created : 2023-08-21T15:40:48

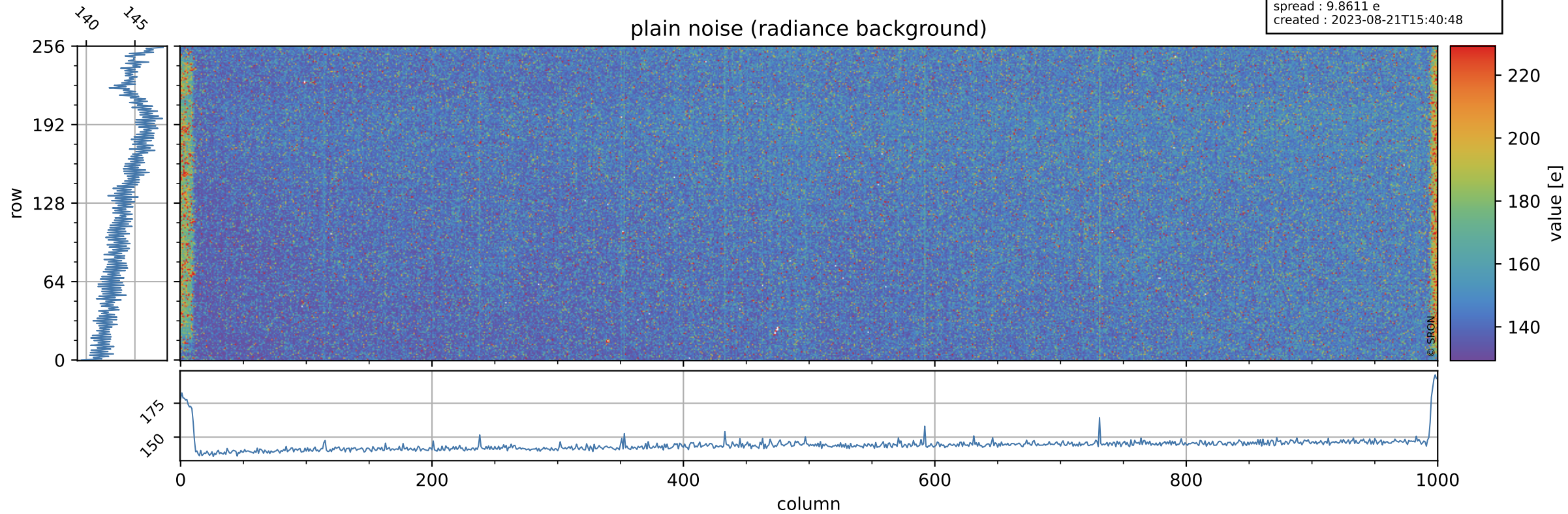
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.92 e  
spread : 9.8611 e  
created : 2023-08-21T15:40:48

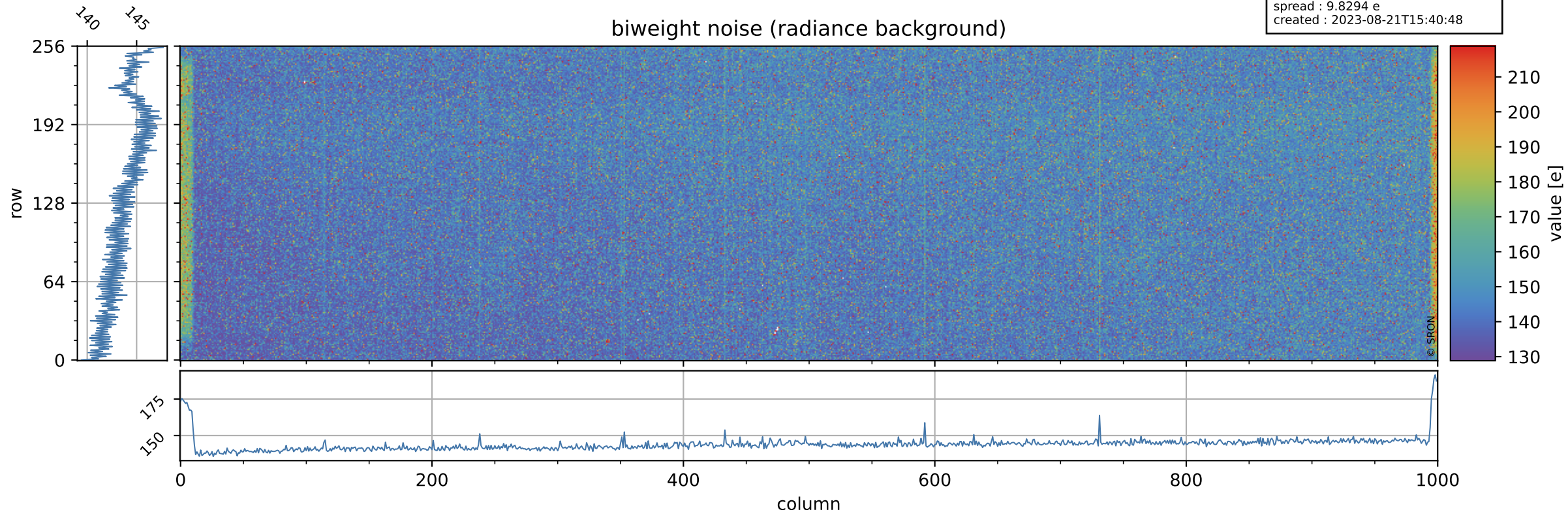
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.8294 e  
created : 2023-08-21T15:40:48

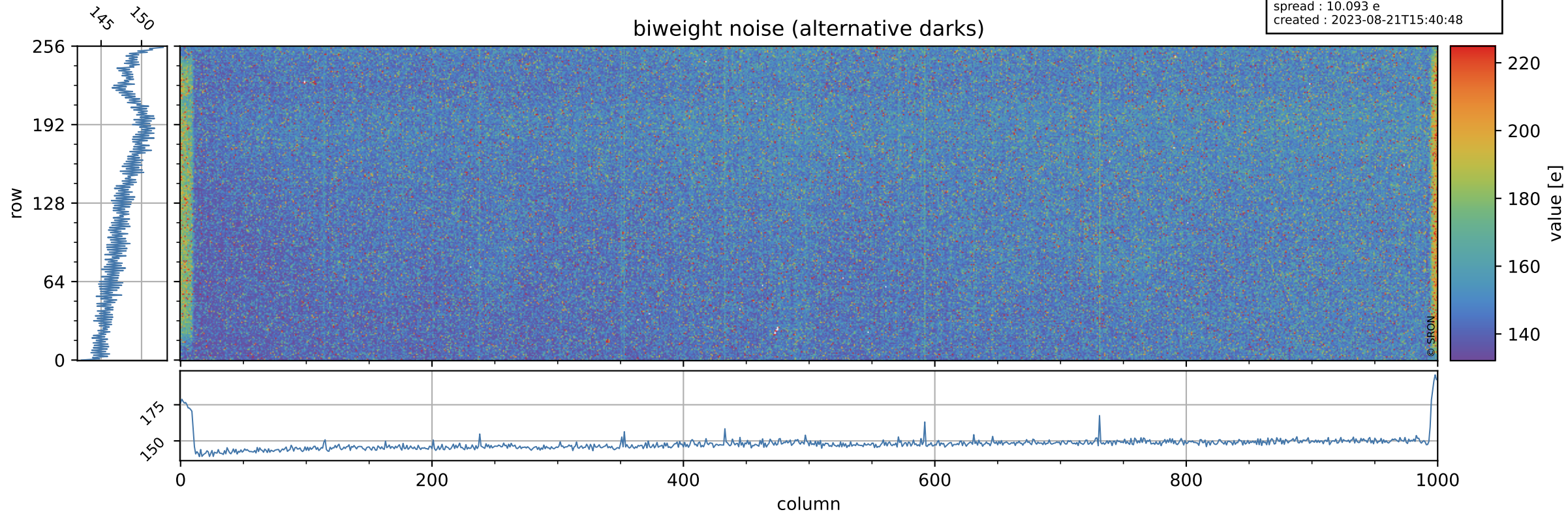
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.67 e  
spread : 10.093 e  
created : 2023-08-21T15:40:48

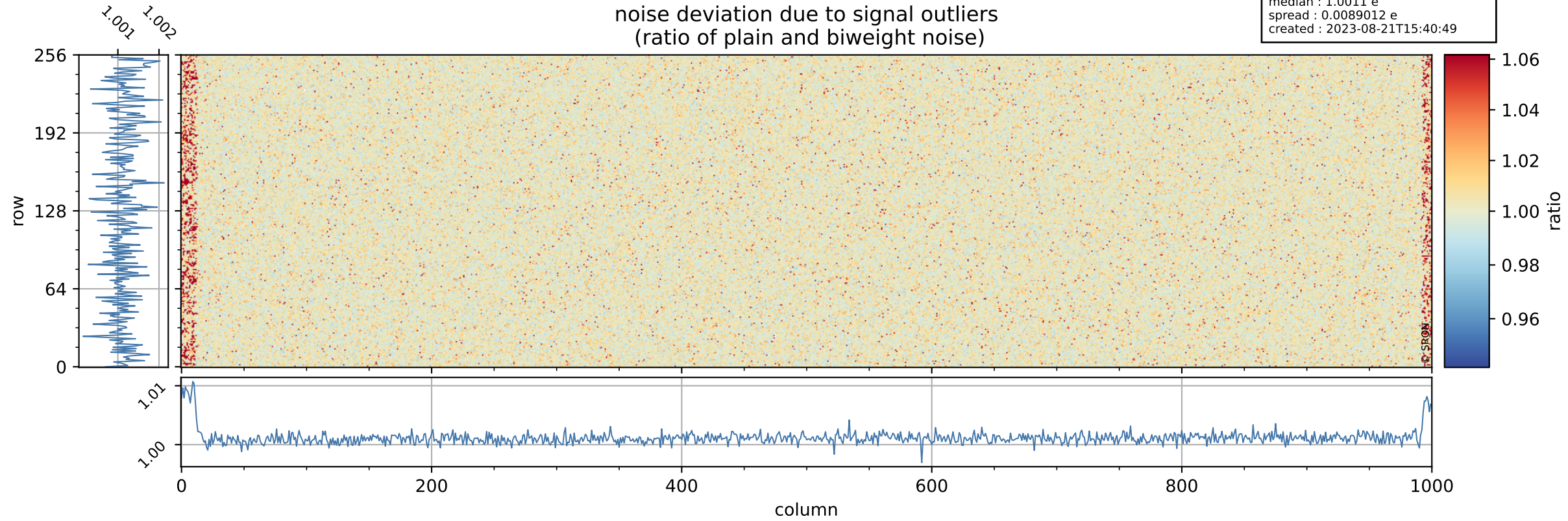
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

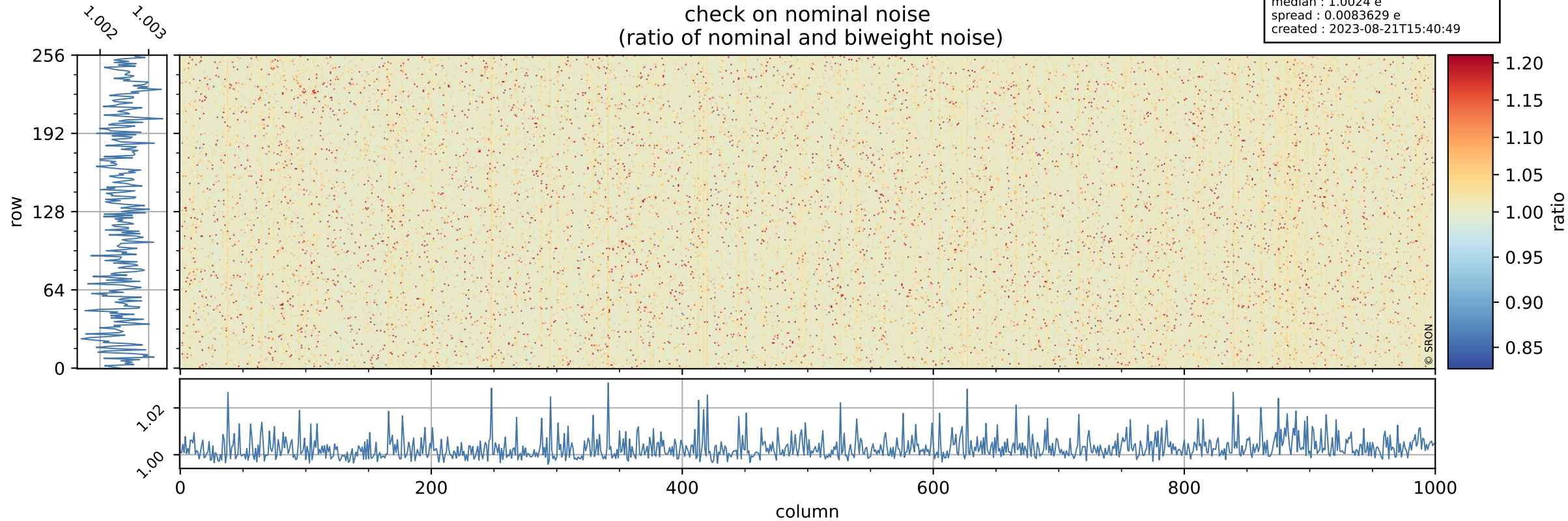
orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
median : 1.0011 e  
spread : 0.0089012 e  
created : 2023-08-21T15:40:49



# Tropomi SWIR background noise (swir)

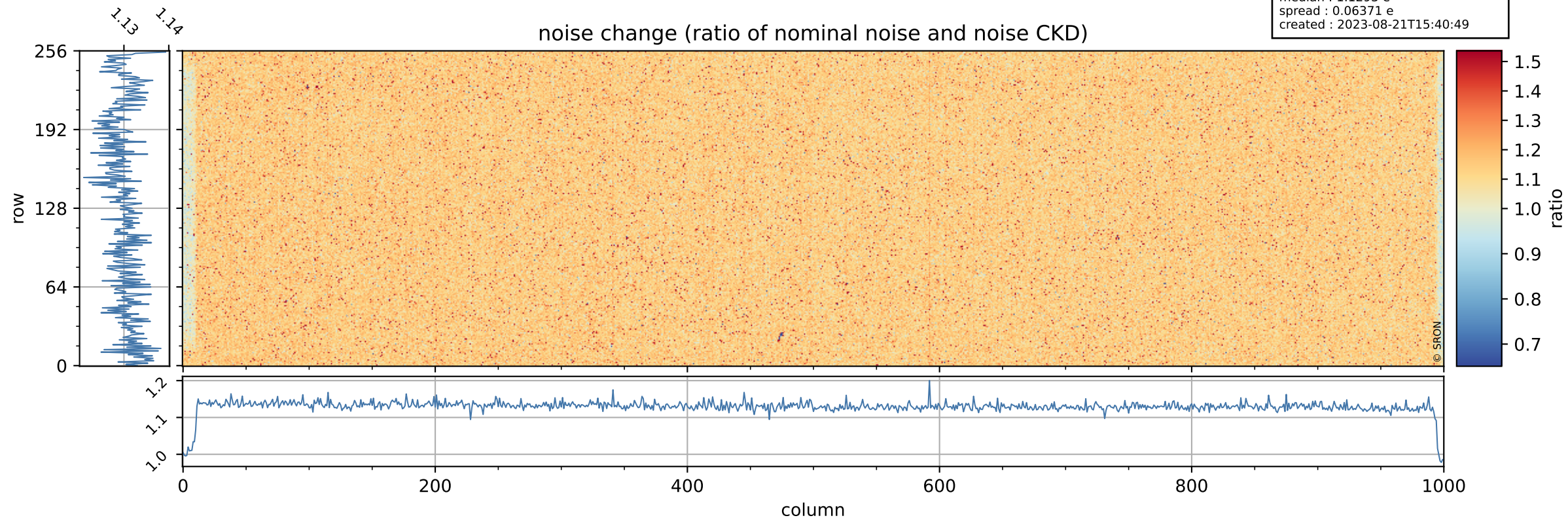
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
median : 1.0024 e  
spread : 0.0083629 e  
created : 2023-08-21T15:40:49



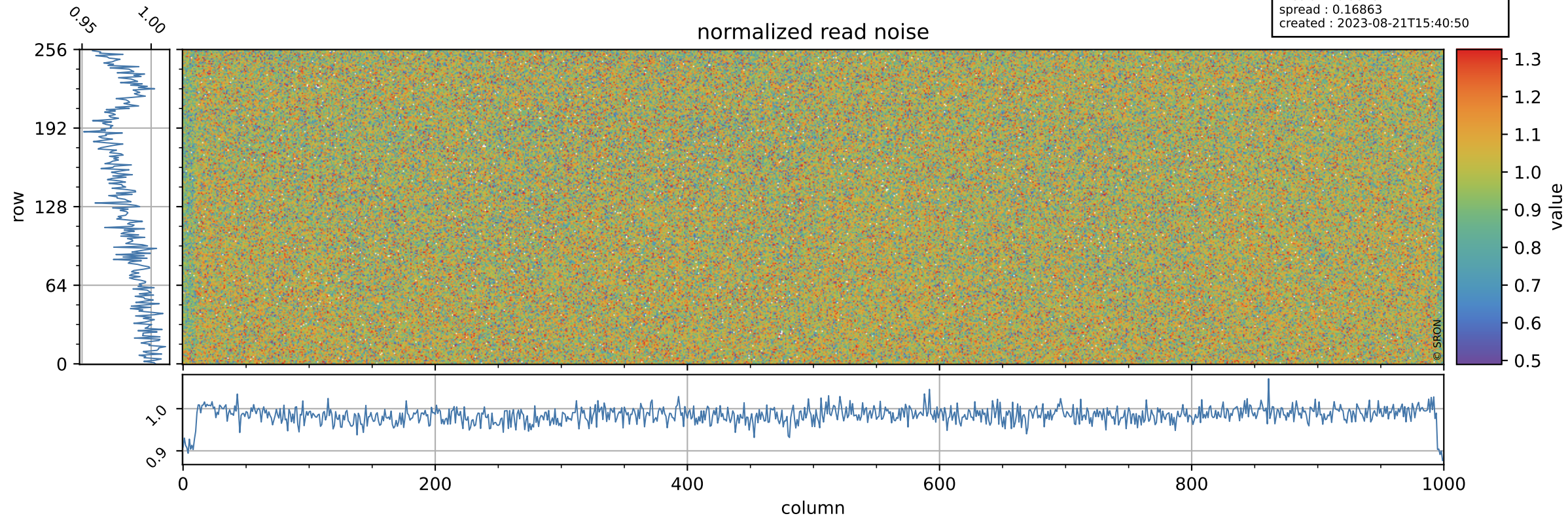
# Tropomi SWIR background noise (swir)

orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
median : 1.1293 e  
spread : 0.06371 e  
created : 2023-08-21T15:40:49



# Tropomi SWIR background noise (swir)

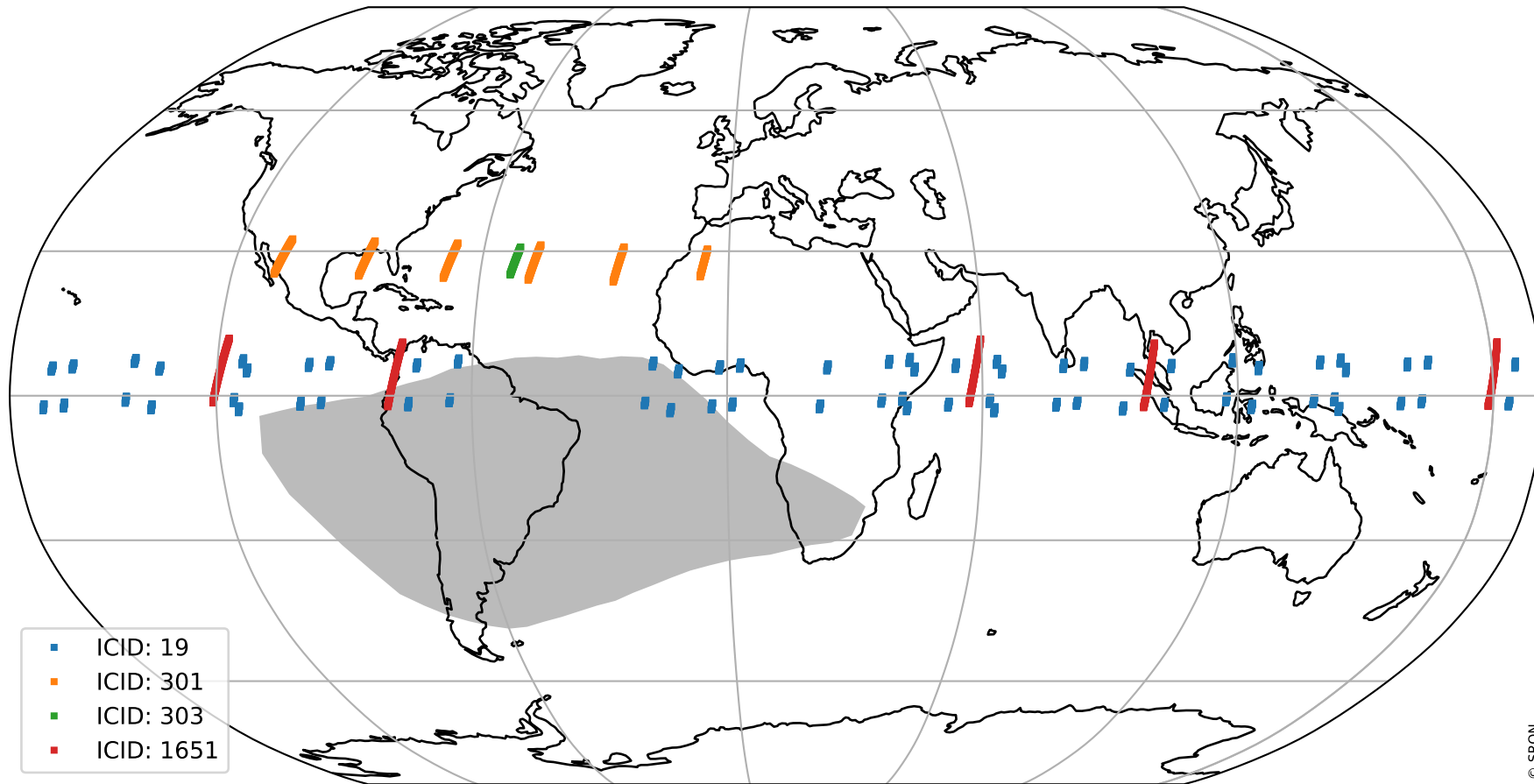
orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
median : 0.98267  
spread : 0.16863  
created : 2023-08-21T15:40:50





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

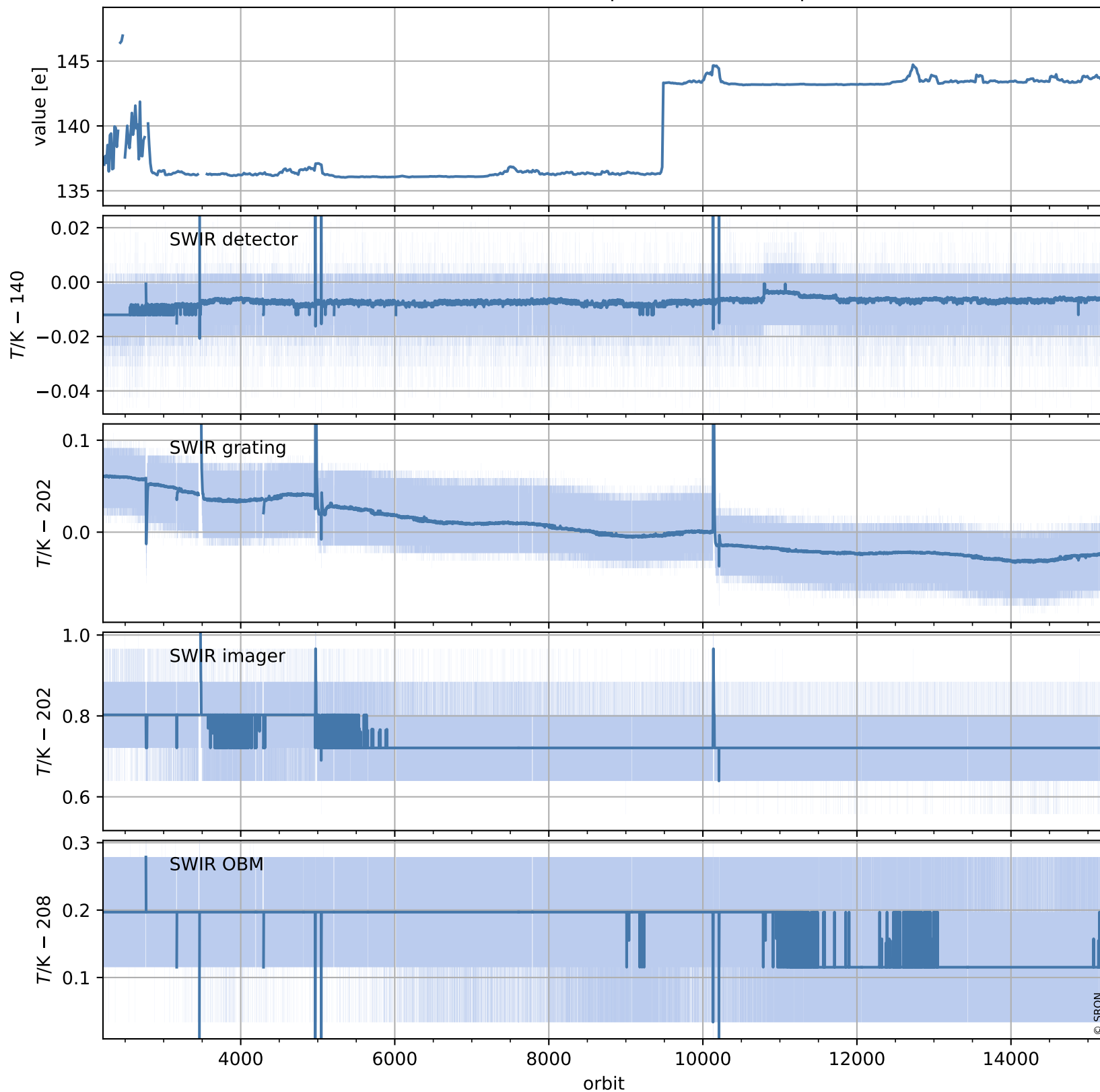
orbits : 12 in [15142, 15217]  
coverage : 2020-09-14 / 2020-09-19  
created : 2023-08-21T15:40:50



# Tropomi SWIR background noise (swir)

orbits : [2212, 15217]  
coverage : 2018-03-18 / 2020-09-19  
created : 2023-08-21T15:40:50

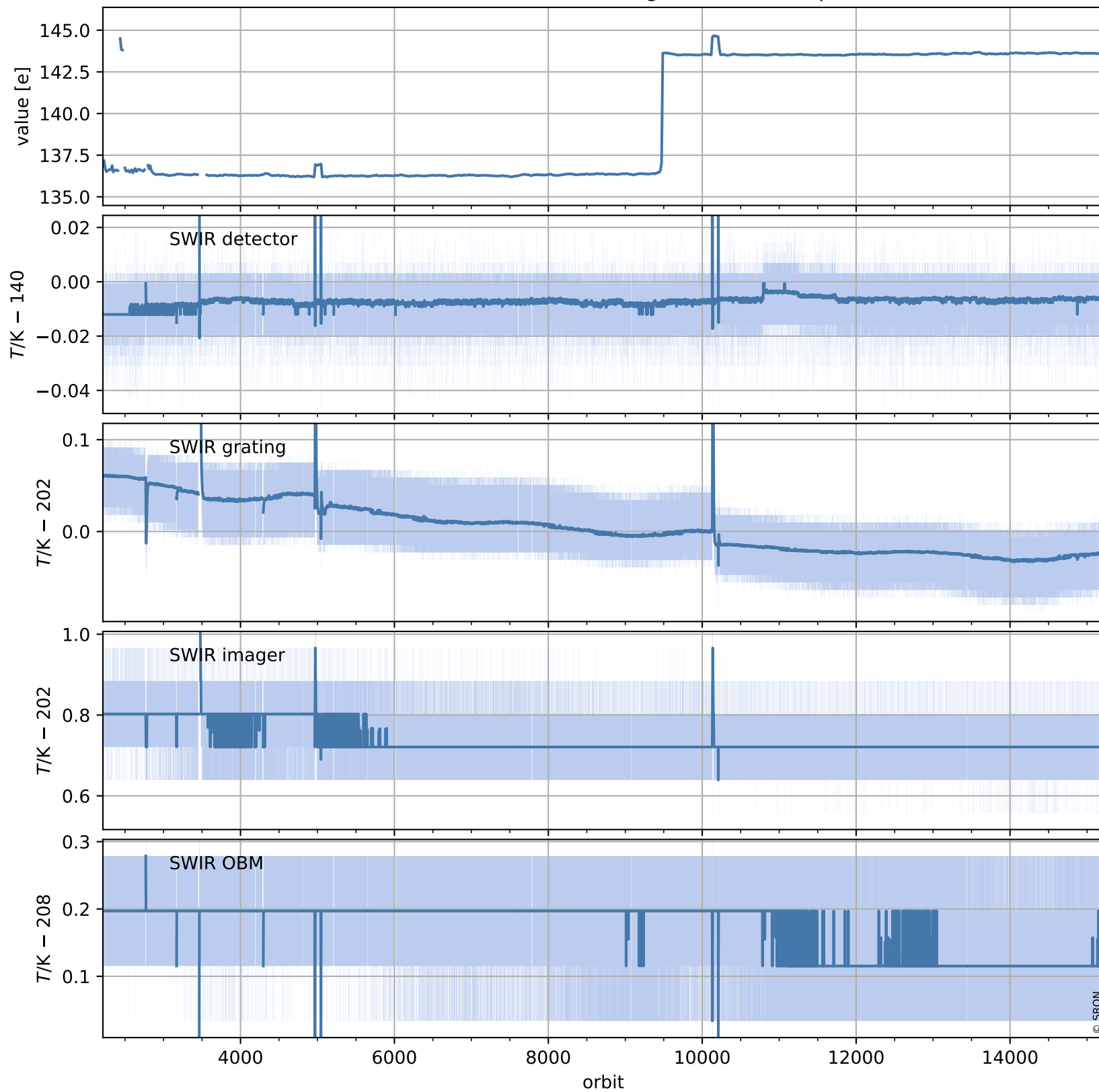
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15217]  
coverage : 2018-03-18 / 2020-09-19  
created : 2023-08-21T15:40:51

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15217]  
coverage : 2018-03-18 / 2020-09-19  
created : 2023-08-21T15:40:51

## trend of normalized read-noise & temperatures

