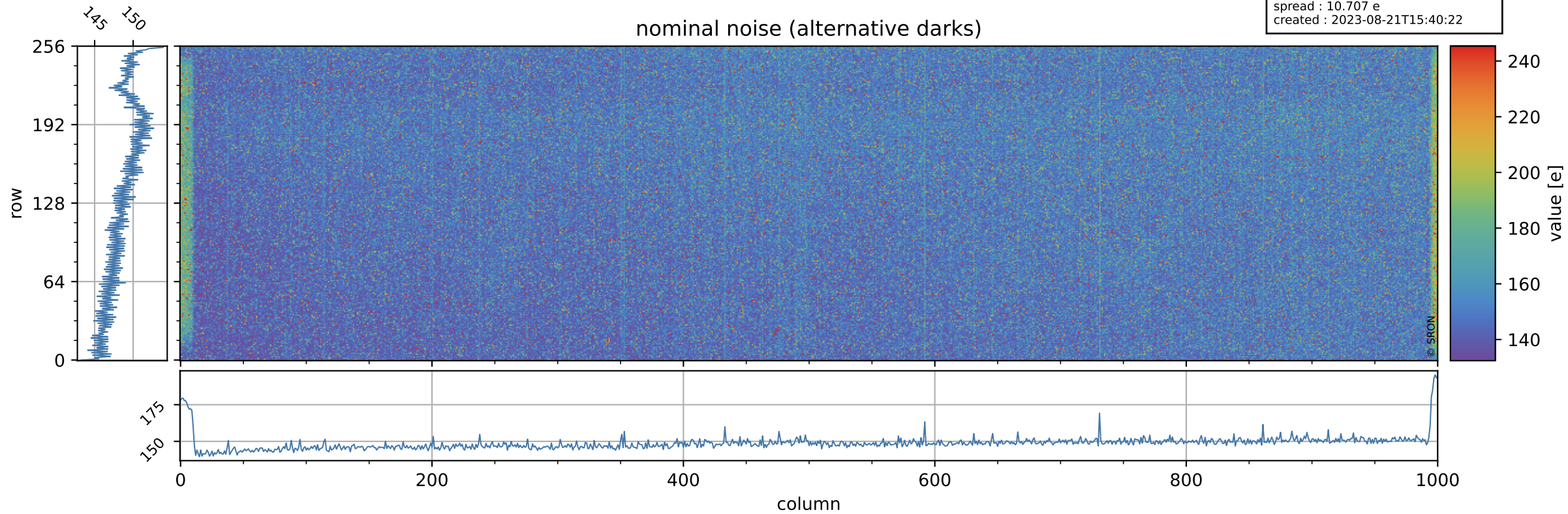


# Tropomi SWIR background noise (swir)

orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.707 e  
created : 2023-08-21T15:40:22

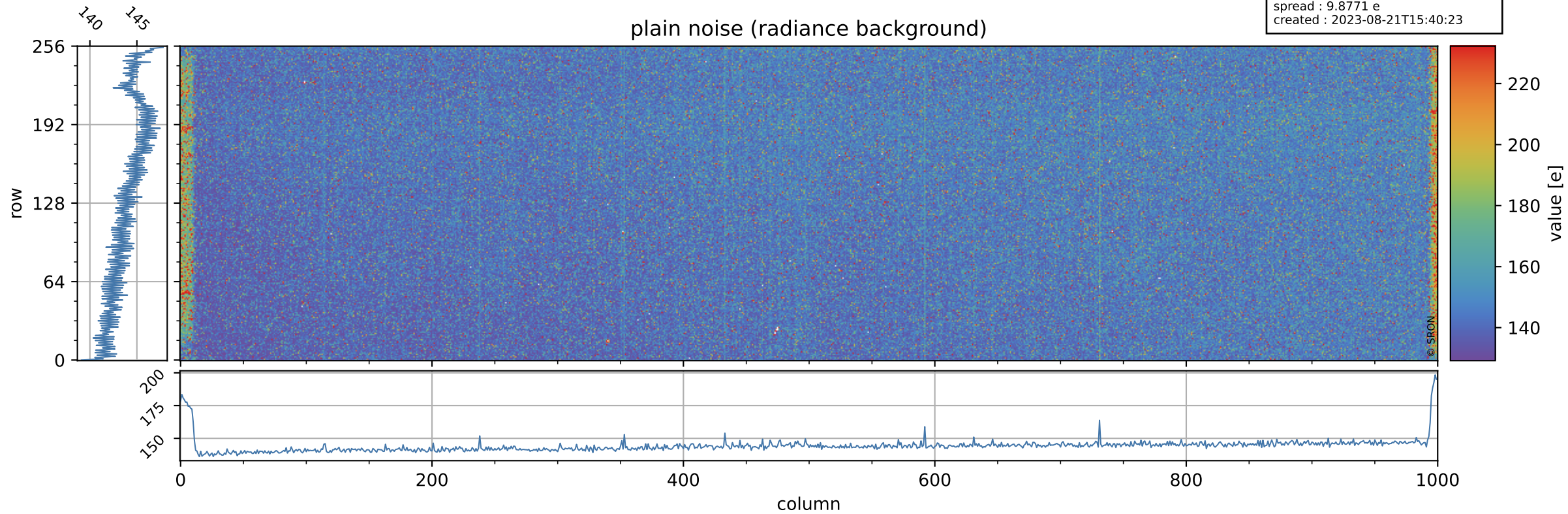
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.9 e  
spread : 9.8771 e  
created : 2023-08-21T15:40:23

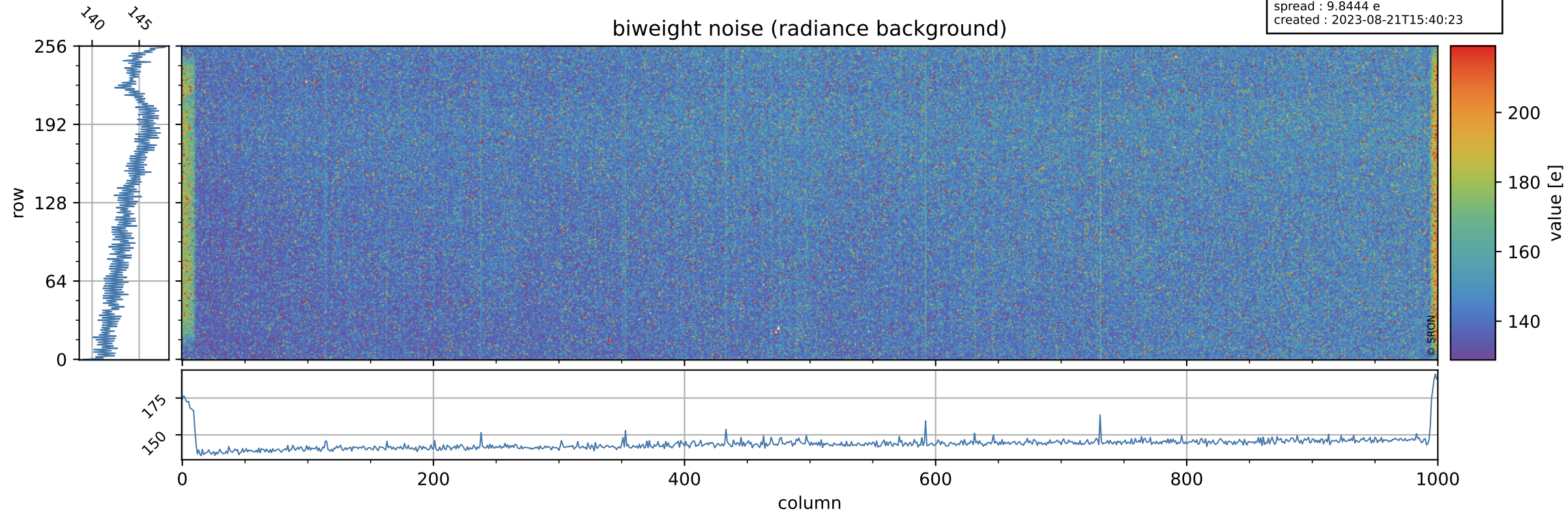
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.8444 e  
created : 2023-08-21T15:40:23

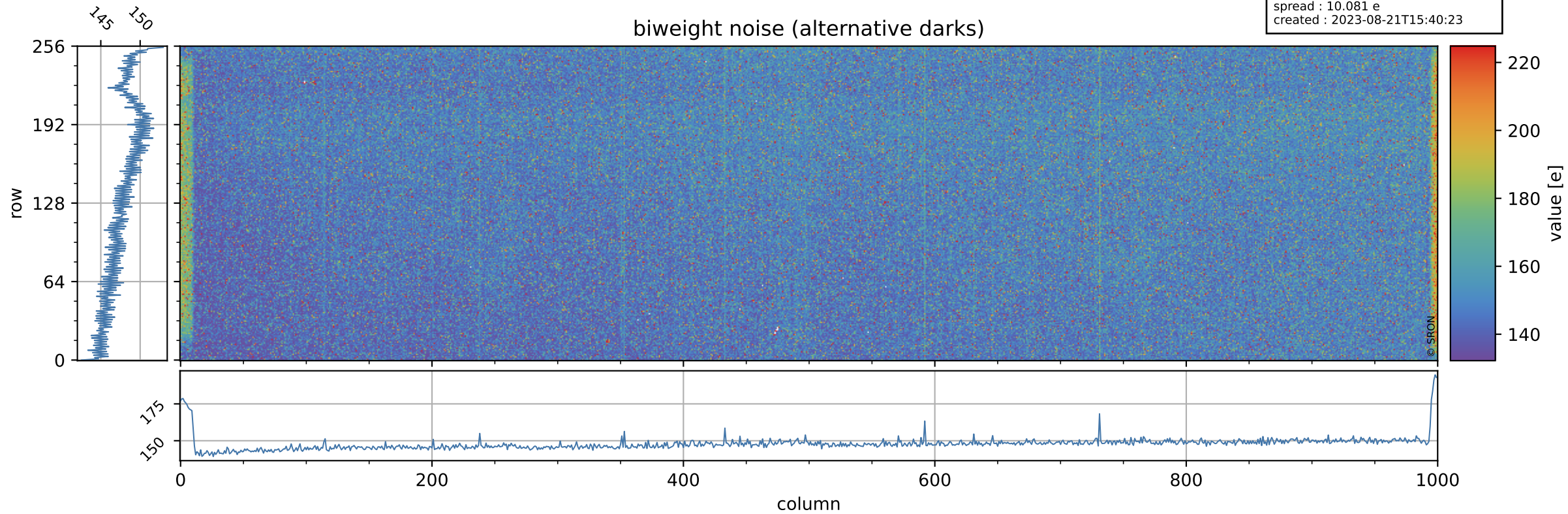
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 10.081 e  
created : 2023-08-21T15:40:23

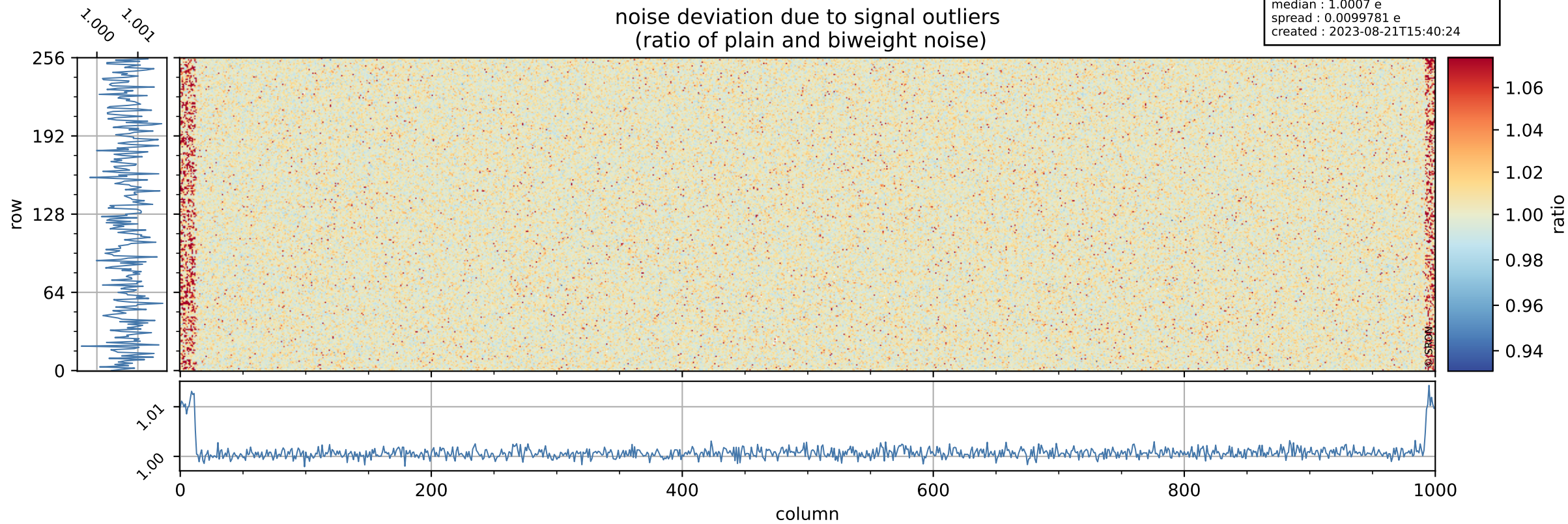
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

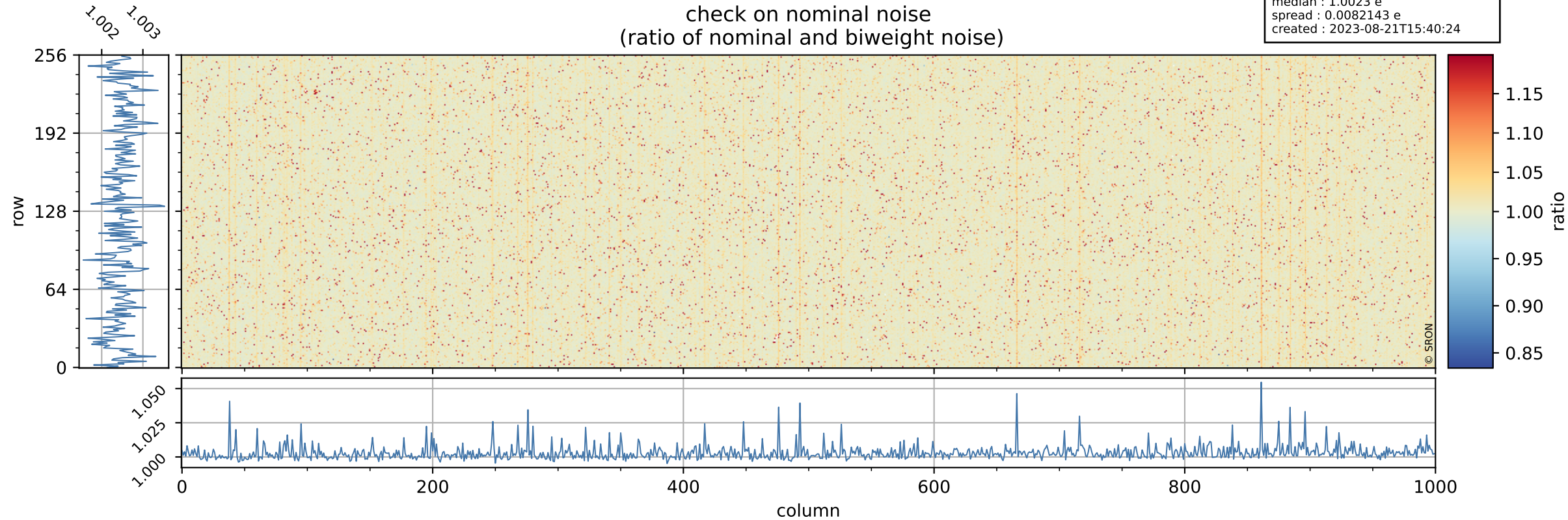
orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
median : 1.0007 e  
spread : 0.0099781 e  
created : 2023-08-21T15:40:24



# Tropomi SWIR background noise (swir)

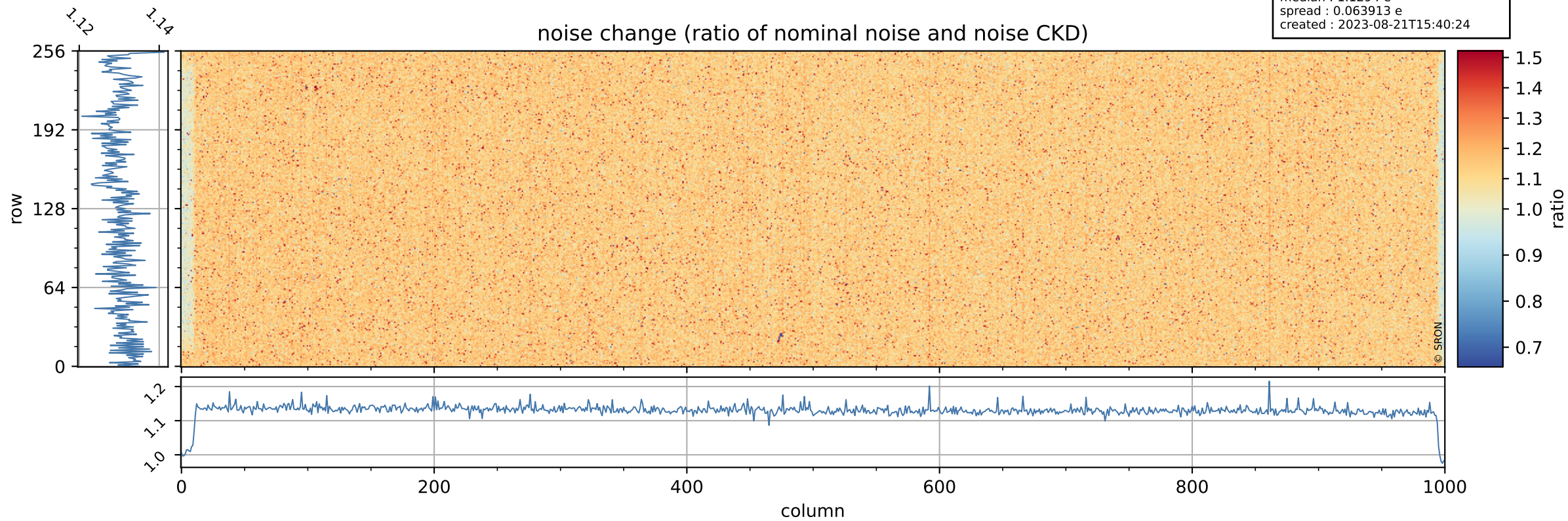
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
median : 1.0023 e  
spread : 0.0082143 e  
created : 2023-08-21T15:40:24



# Tropomi SWIR background noise (swir)

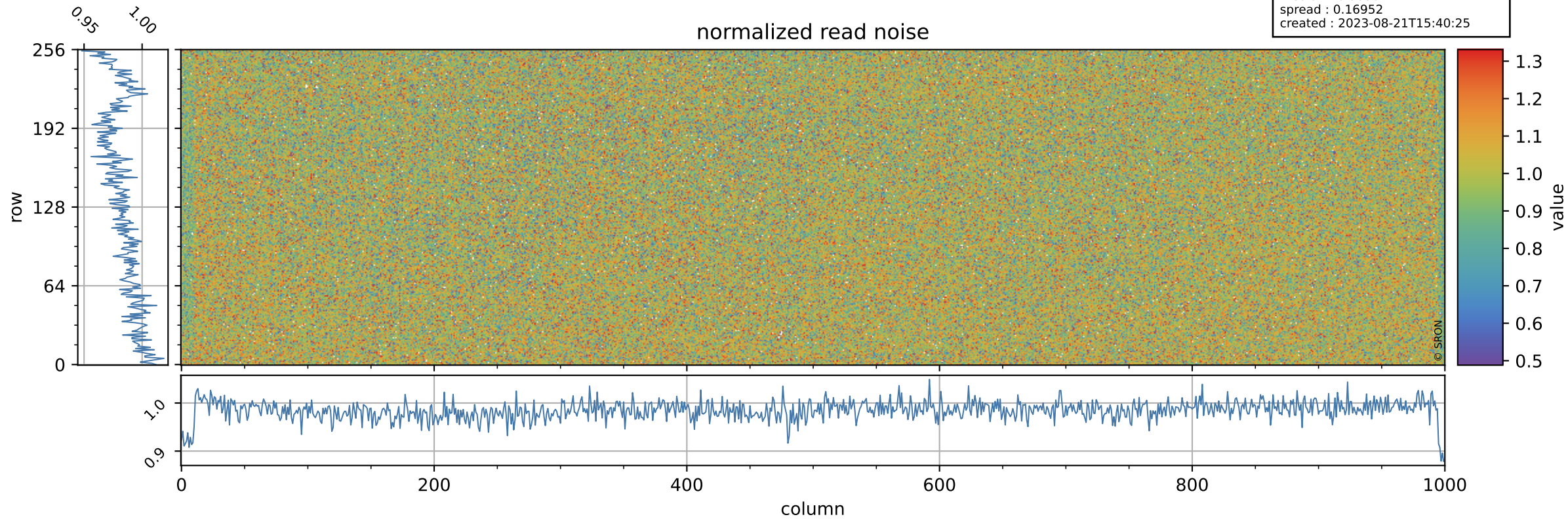
orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
median : 1.1294 e  
spread : 0.063913 e  
created : 2023-08-21T15:40:24



# Tropomi SWIR background noise (swir)

orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
median : 0.98302  
spread : 0.16952  
created : 2023-08-21T15:40:25

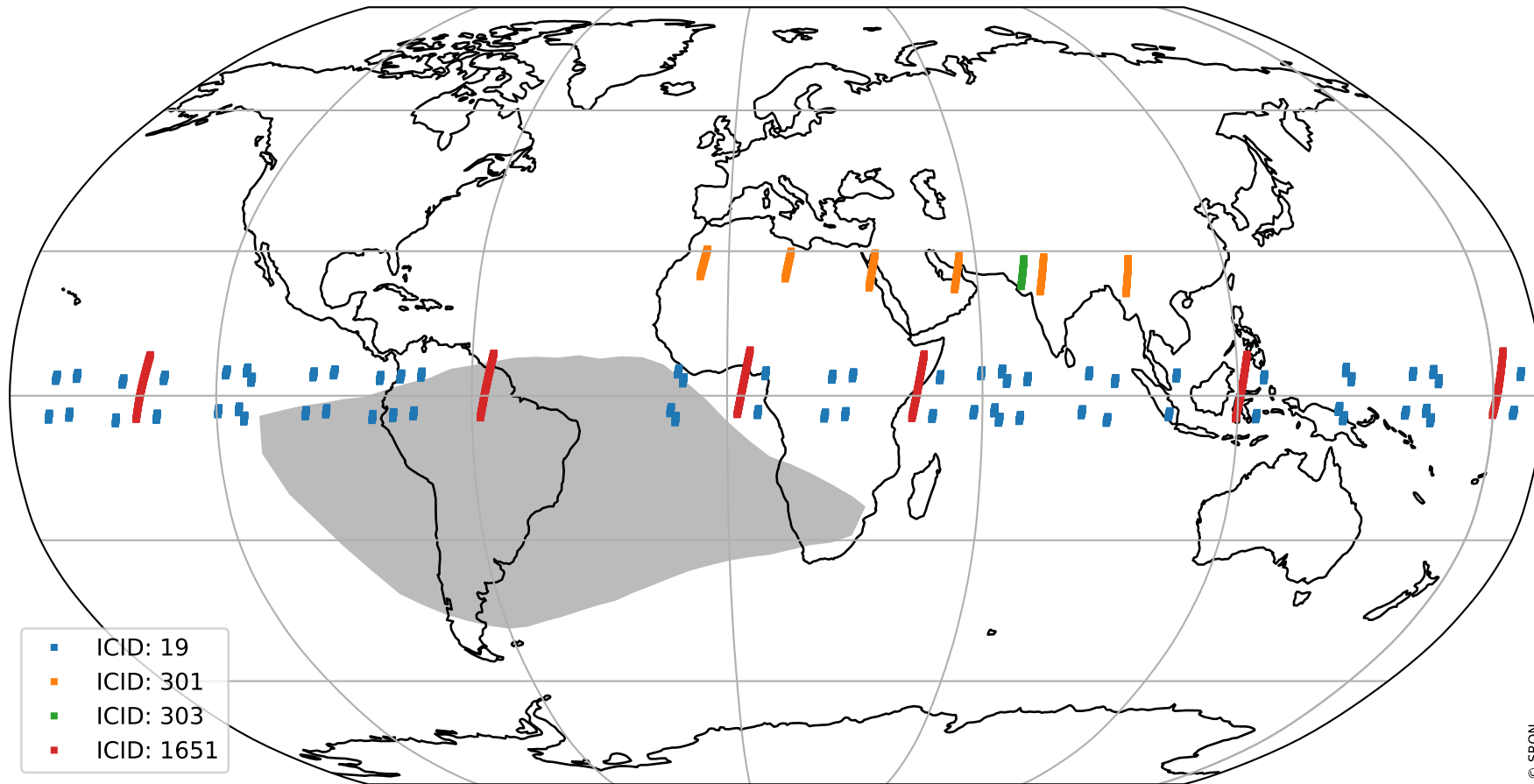
normalized read noise





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

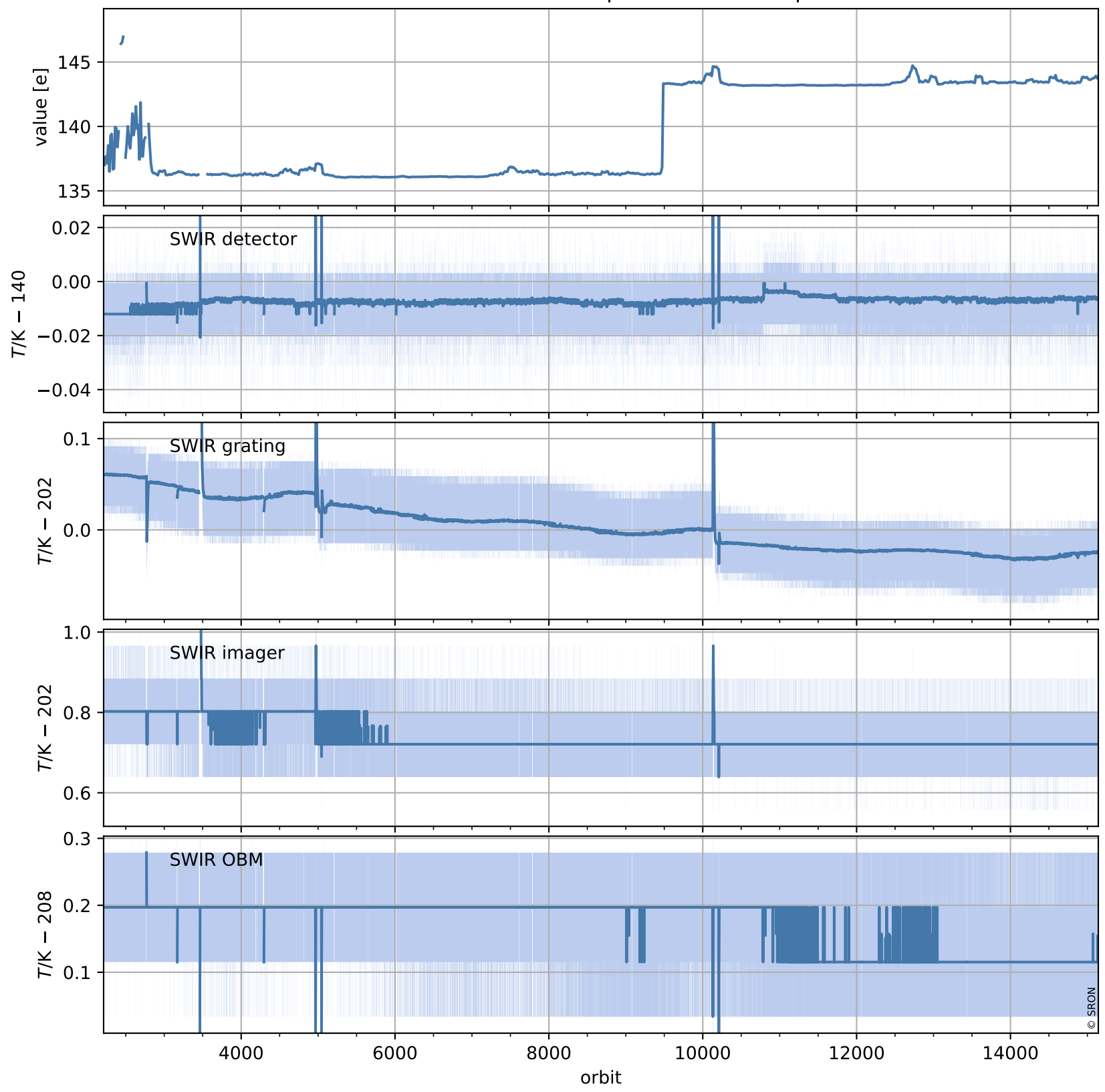
orbits : 13 in [15067, 15142]  
coverage : 2020-09-08 / 2020-09-14  
created : 2023-08-21T15:40:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 15142]  
coverage : 2018-03-18 / 2020-09-14  
created : 2023-08-21T15:40:25

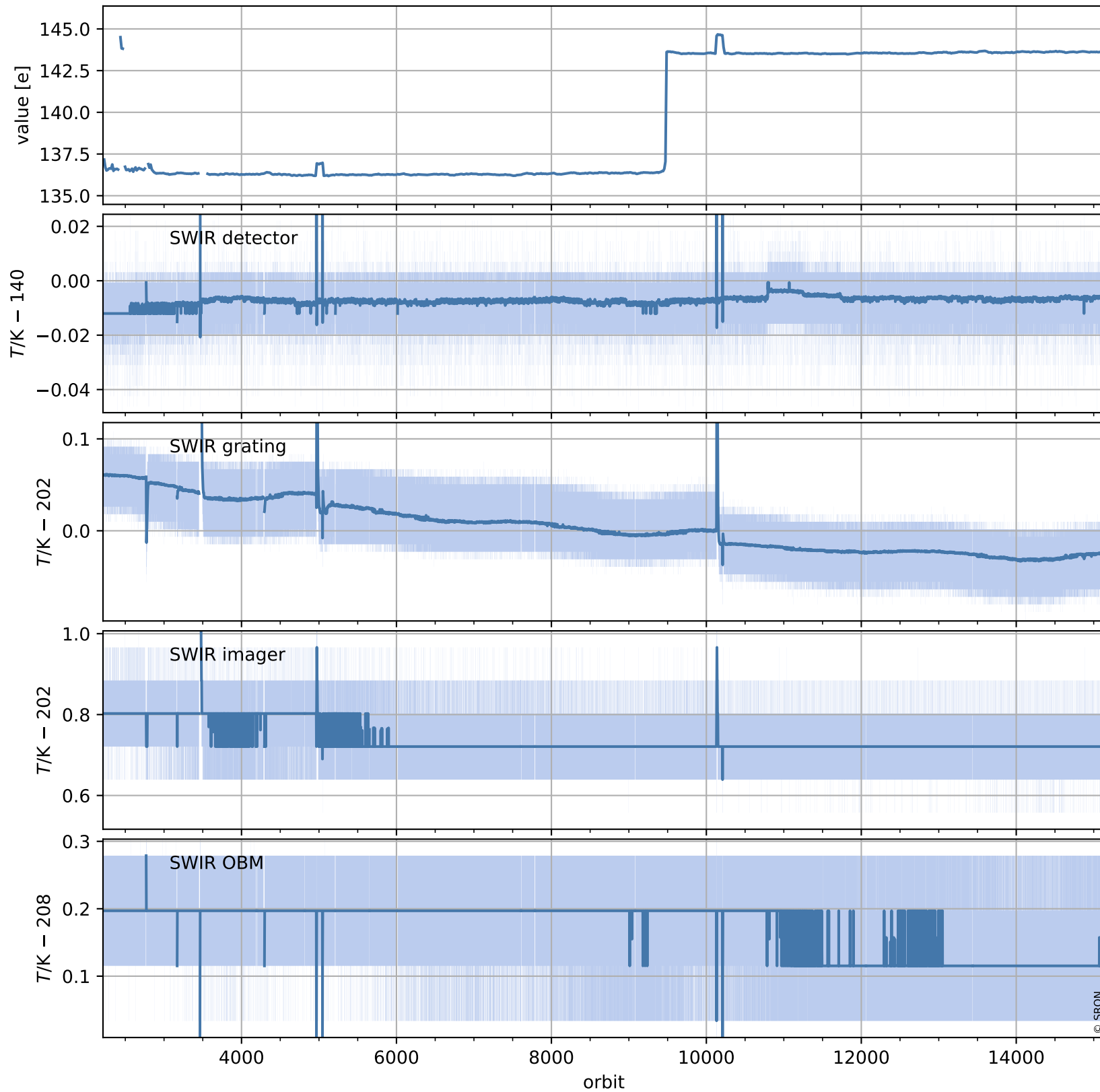
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15142]  
coverage : 2018-03-18 / 2020-09-14  
created : 2023-08-21T15:40:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15142]  
coverage : 2018-03-18 / 2020-09-14  
created : 2023-08-21T15:40:27

## trend of normalized read-noise & temperatures

