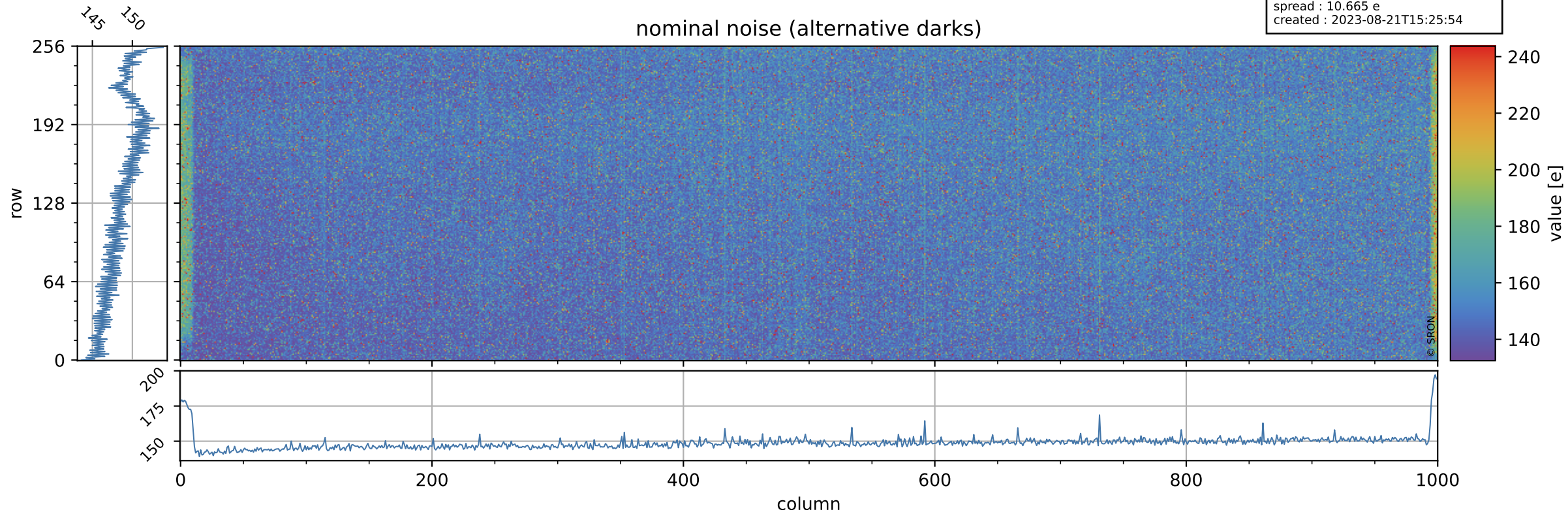


# Tropomi SWIR background noise (swir)

orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.665 e  
created : 2023-08-21T15:25:54

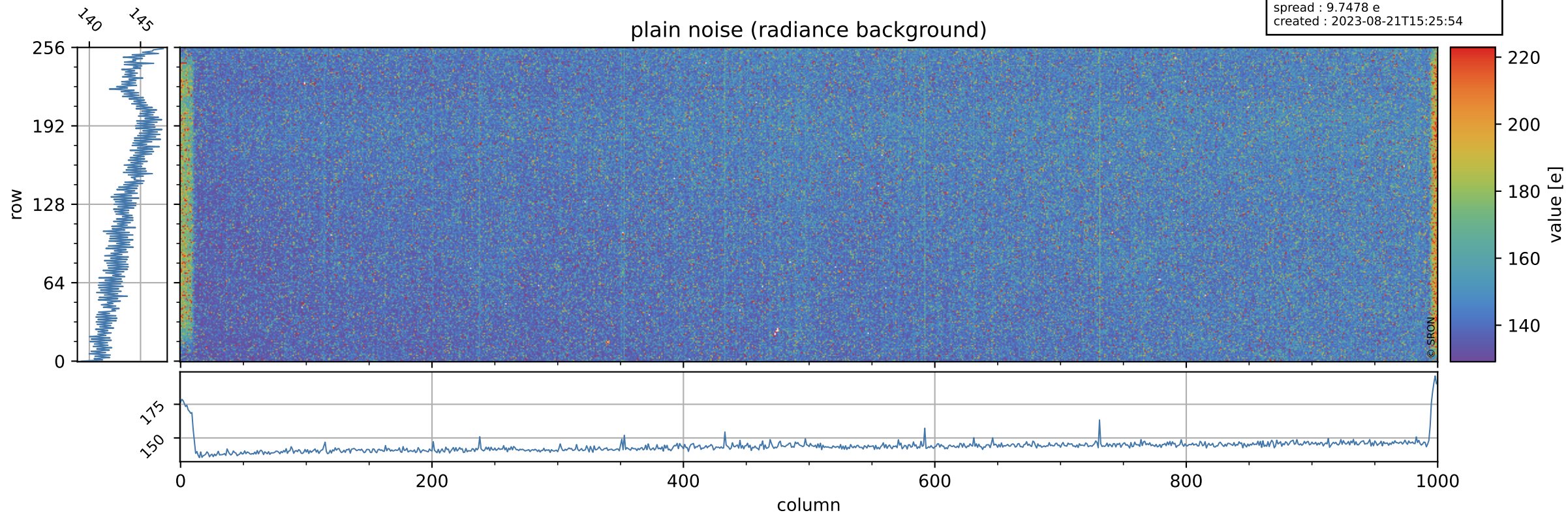
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.54 e  
spread : 9.7478 e  
created : 2023-08-21T15:25:54

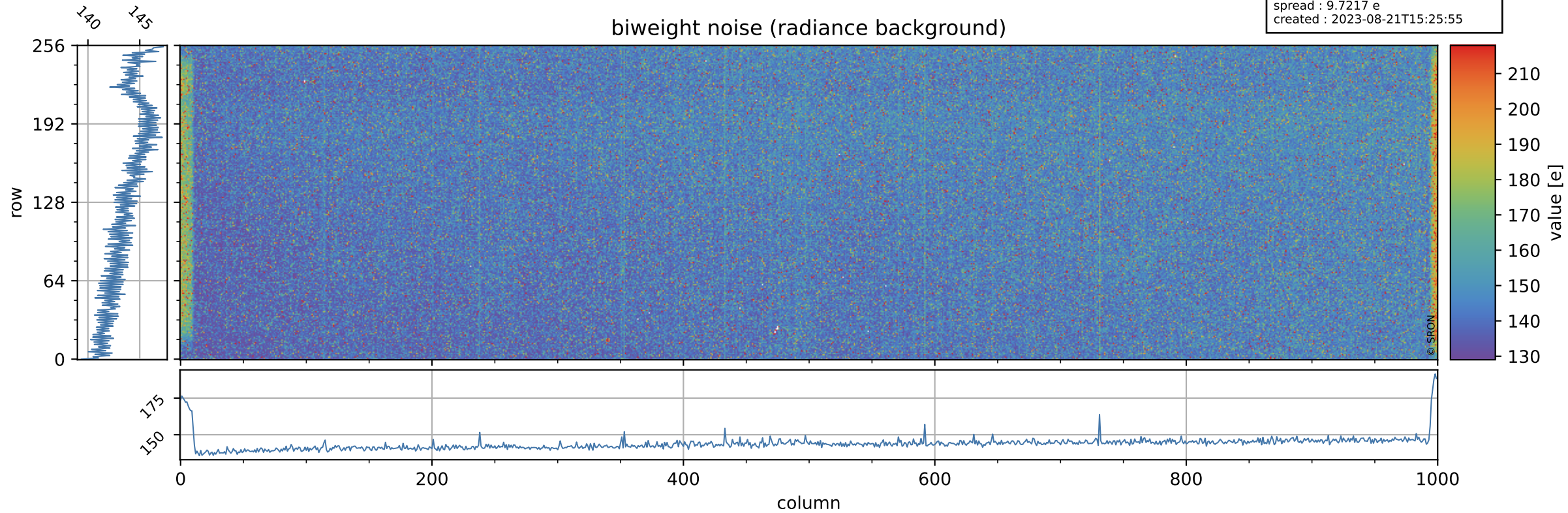
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.7217 e  
created : 2023-08-21T15:25:55

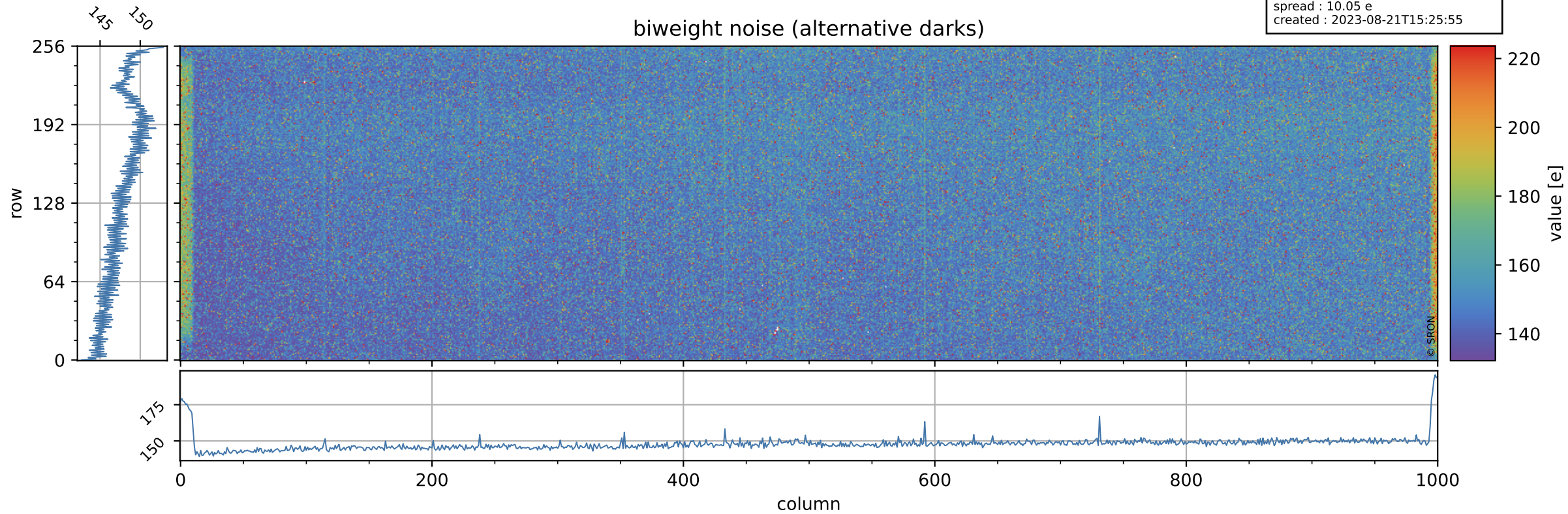
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.05 e  
created : 2023-08-21T15:25:55

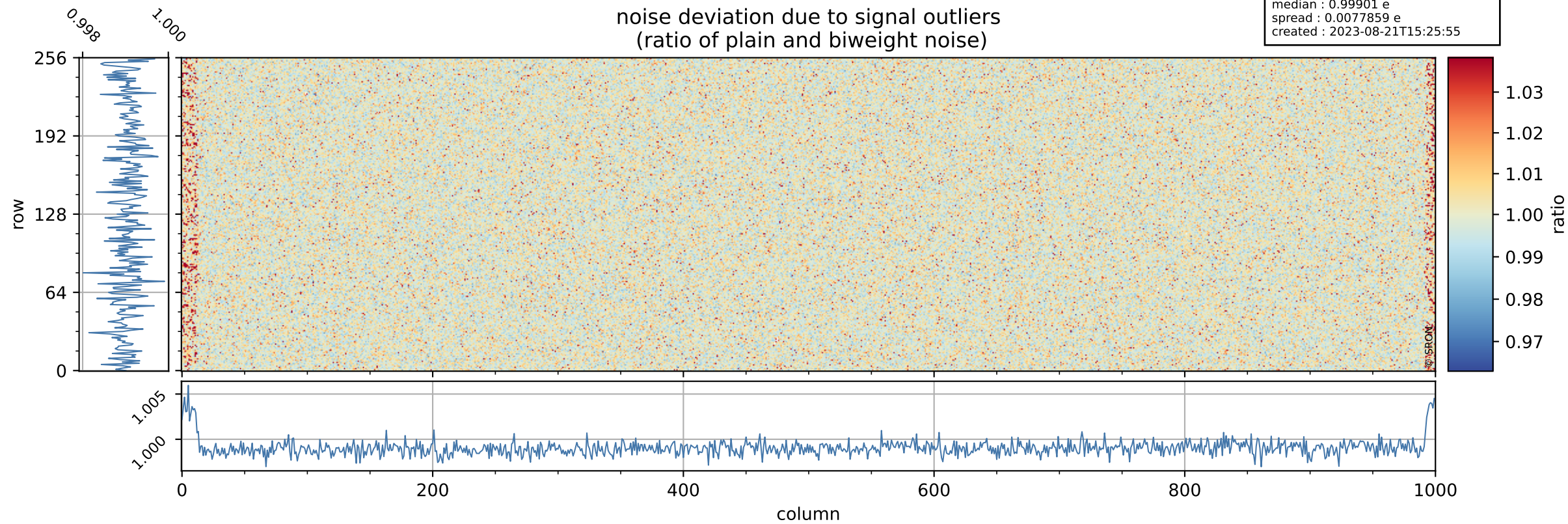
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

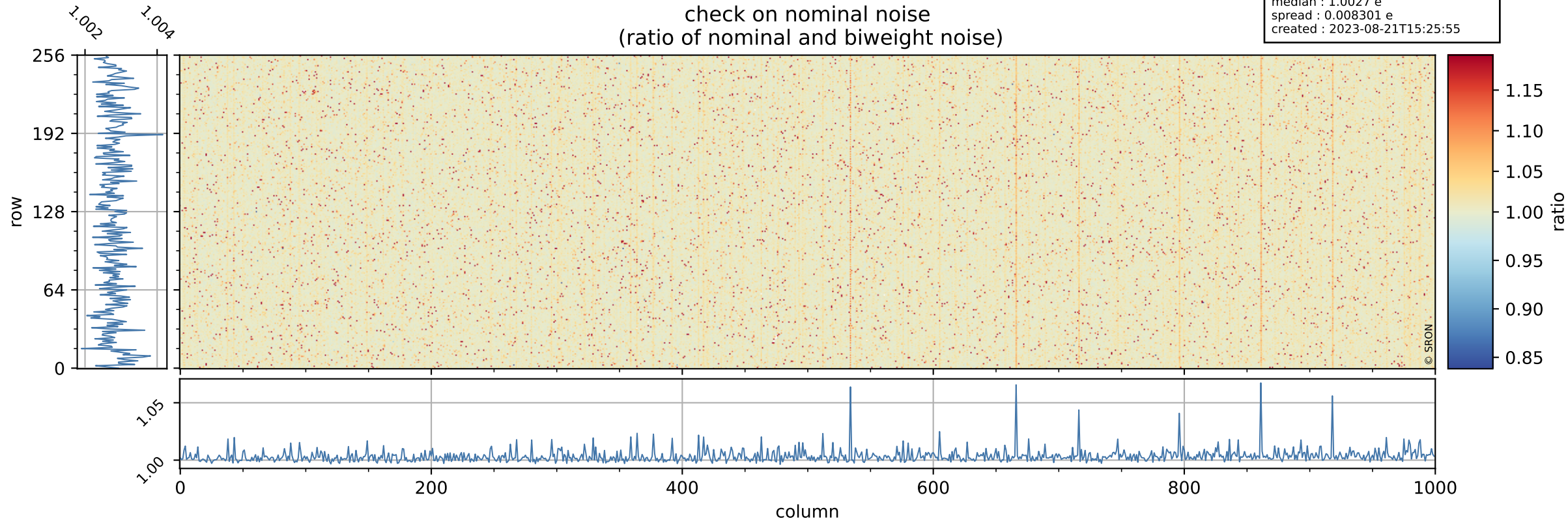
orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
median : 0.99901 e  
spread : 0.0077859 e  
created : 2023-08-21T15:25:55



# Tropomi SWIR background noise (swir)

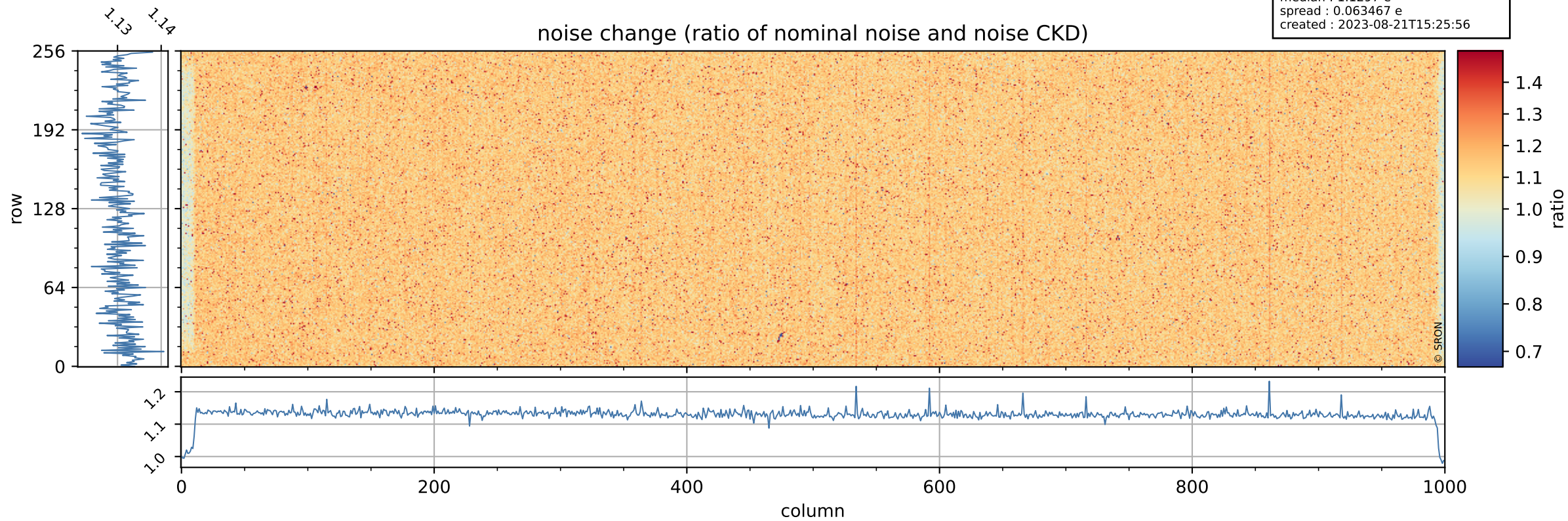
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
median : 1.0027 e  
spread : 0.008301 e  
created : 2023-08-21T15:25:55



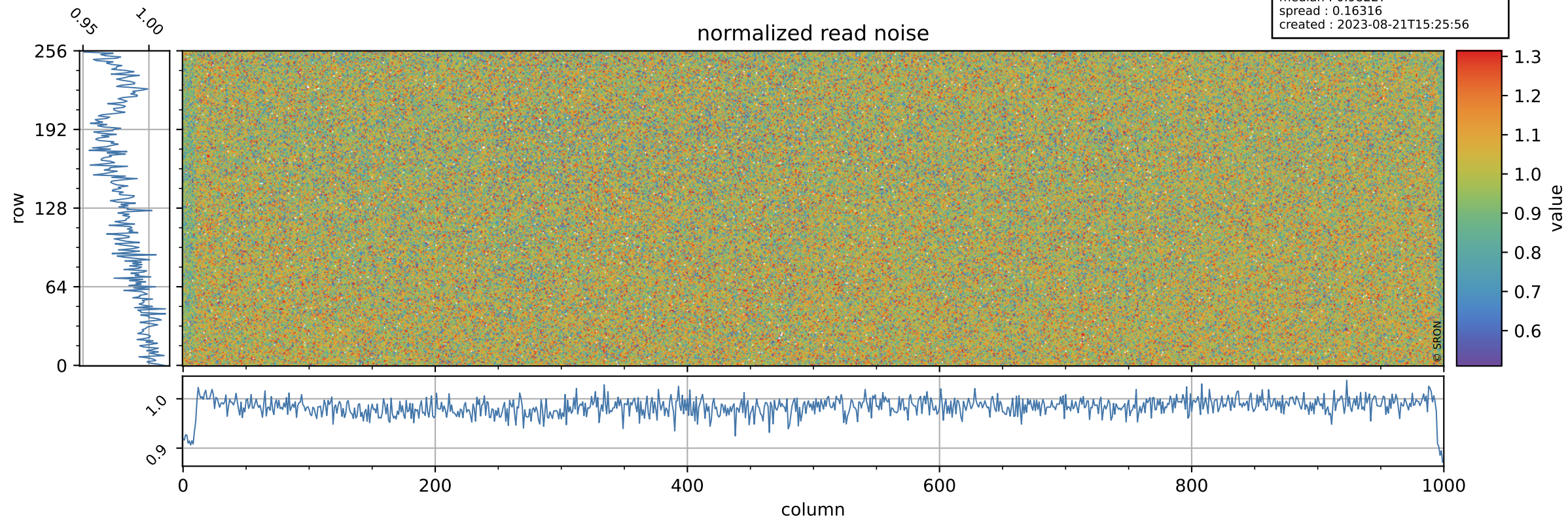
# Tropomi SWIR background noise (swir)

orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
median : 1.1297 e  
spread : 0.063467 e  
created : 2023-08-21T15:25:56



# Tropomi SWIR background noise (swir)

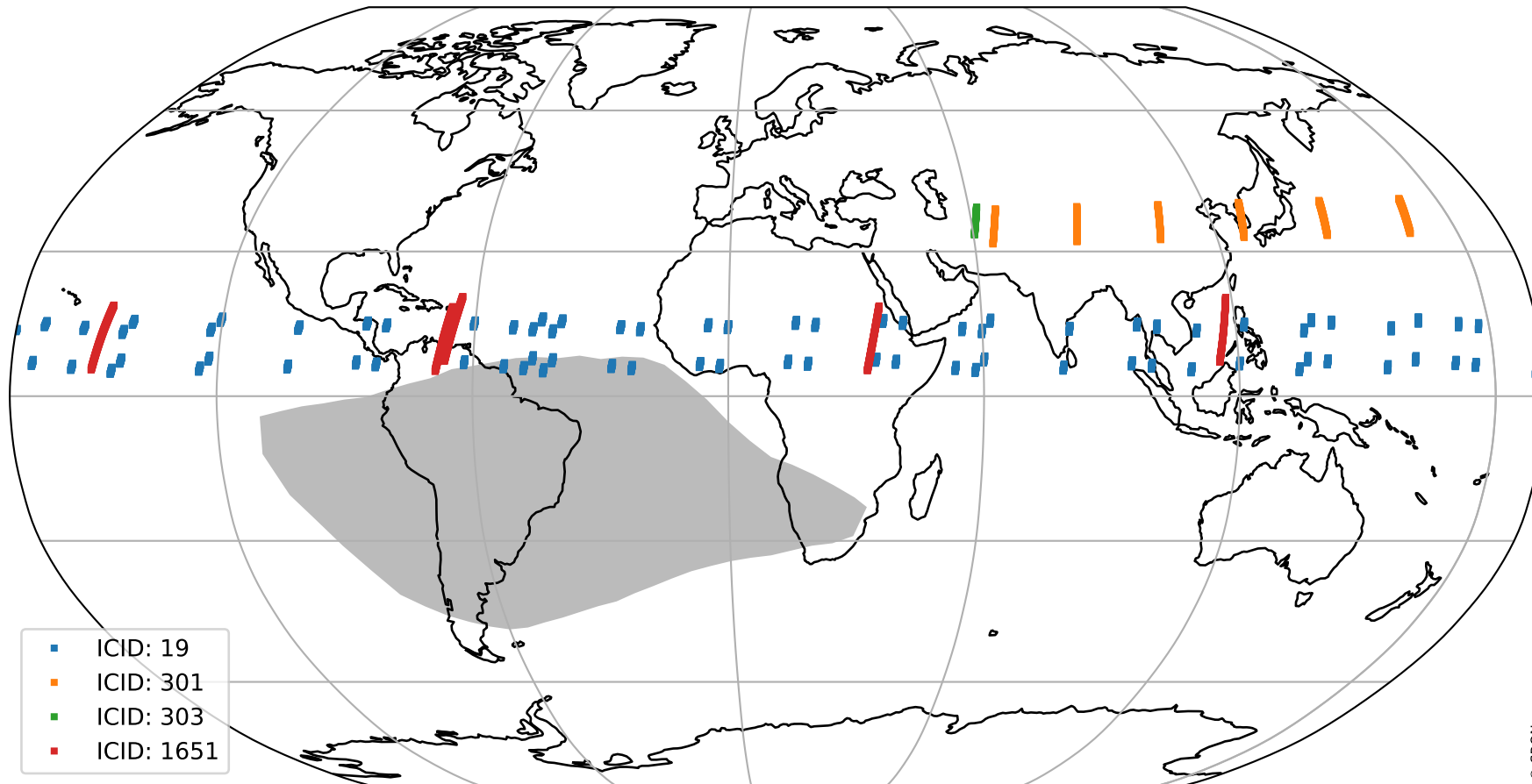
orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
median : 0.98227  
spread : 0.16316  
created : 2023-08-21T15:25:56





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

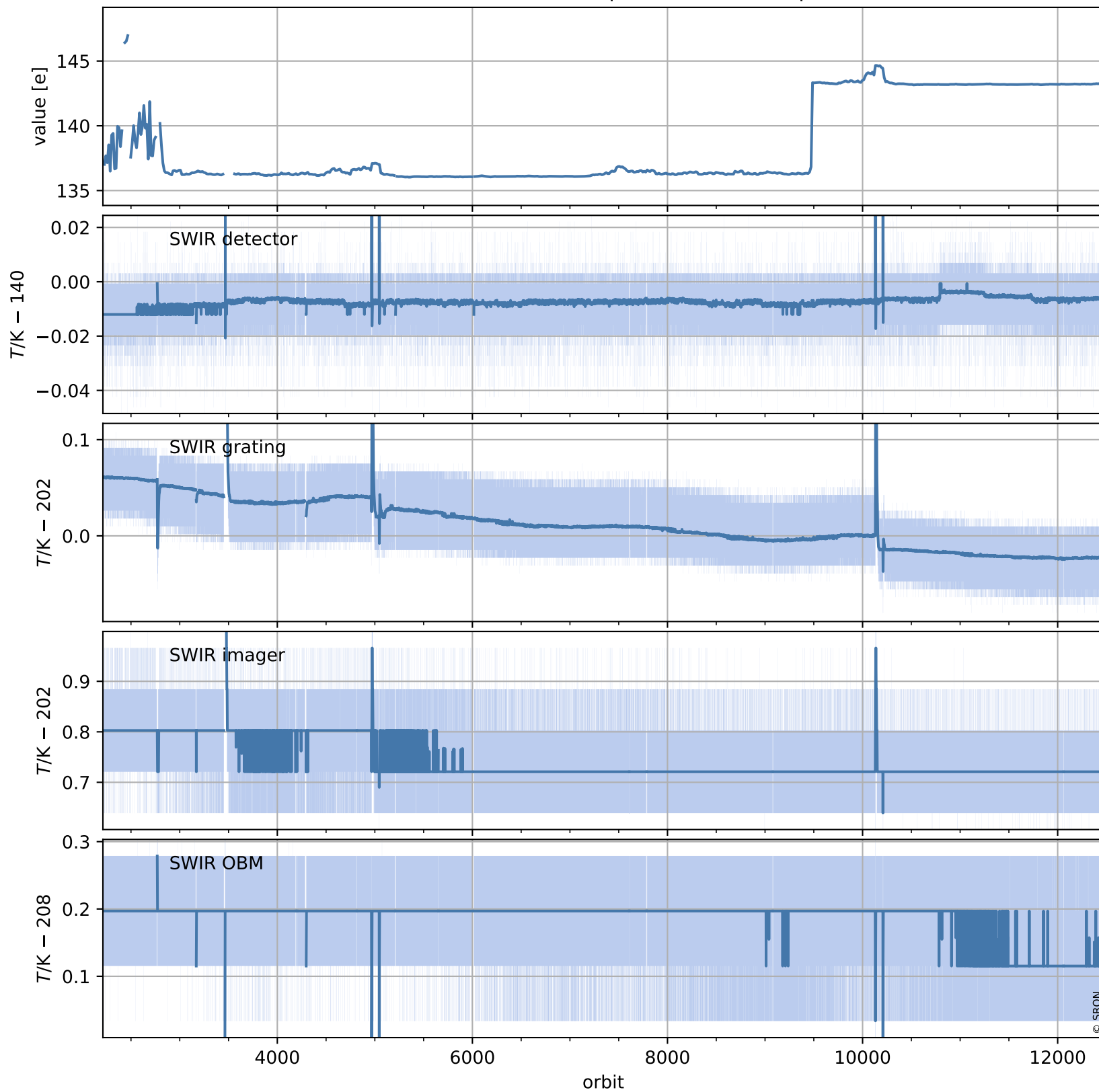
orbits : 12 in [12382, 12472]  
coverage : 2020-03-04 / 2020-03-10  
created : 2023-08-21T15:25:56



# Tropomi SWIR background noise (swir)

orbits : [2212, 12472]  
coverage : 2018-03-18 / 2020-03-10  
created : 2023-08-21T15:25:57

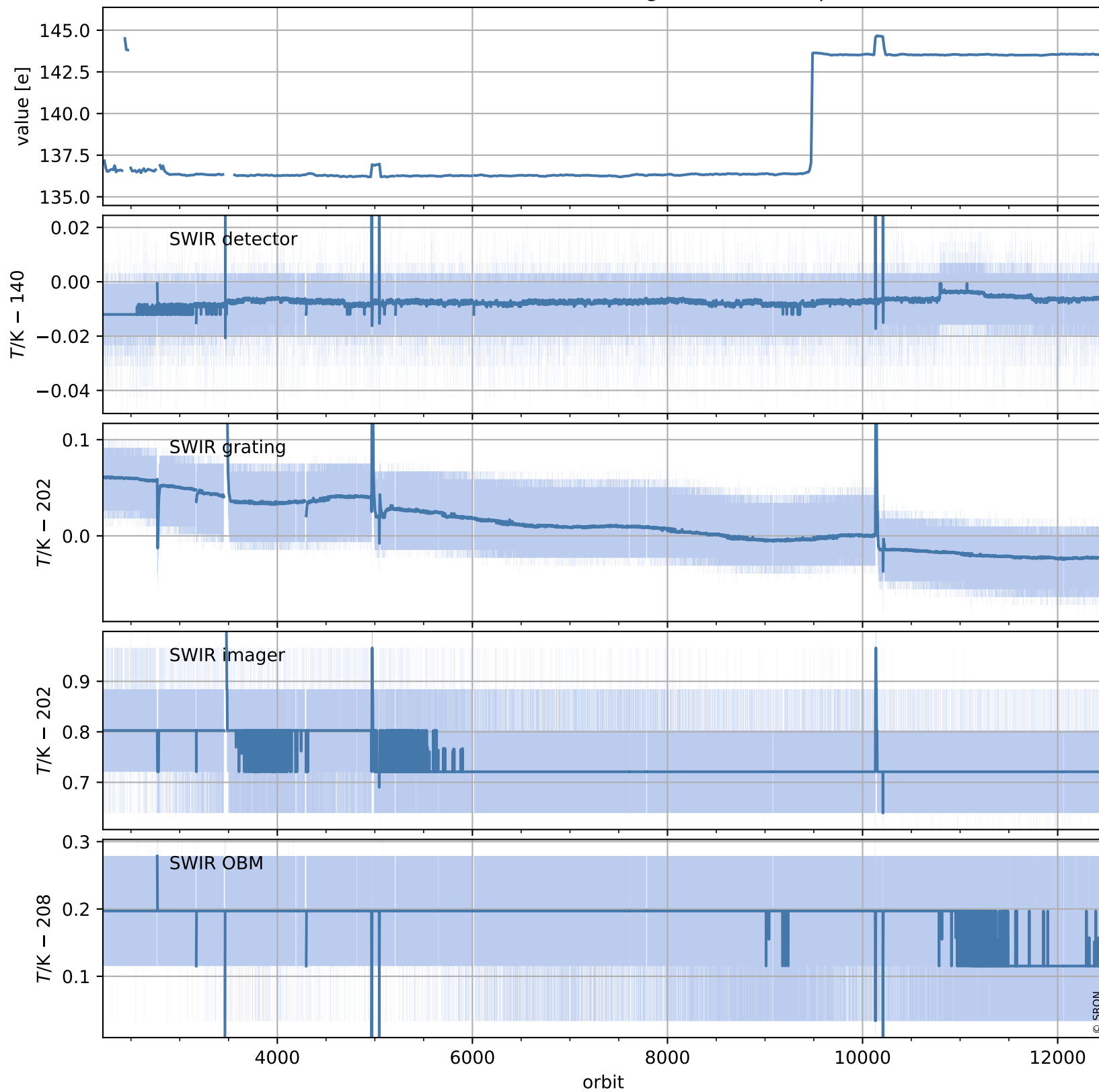
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12472]  
coverage : 2018-03-18 / 2020-03-10  
created : 2023-08-21T15:25:57

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12472]  
coverage : 2018-03-18 / 2020-03-10  
created : 2023-08-21T15:25:58

## trend of normalized read-noise & temperatures

