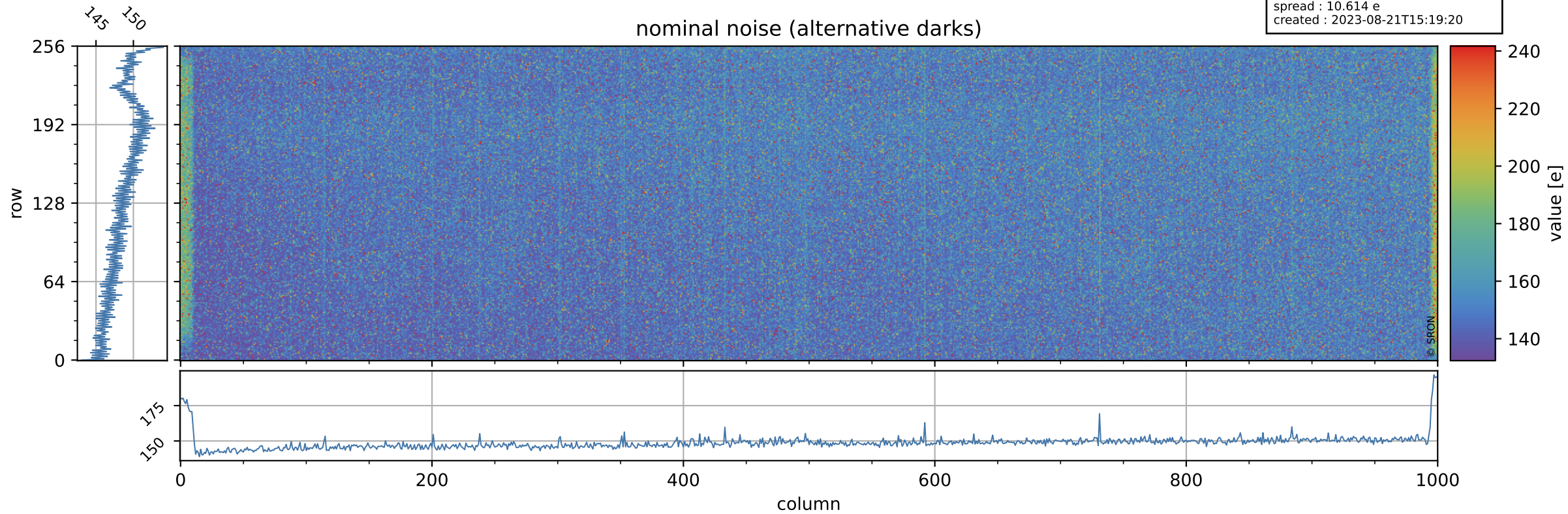


# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.5 e  
spread : 10.614 e  
created : 2023-08-21T15:19:20

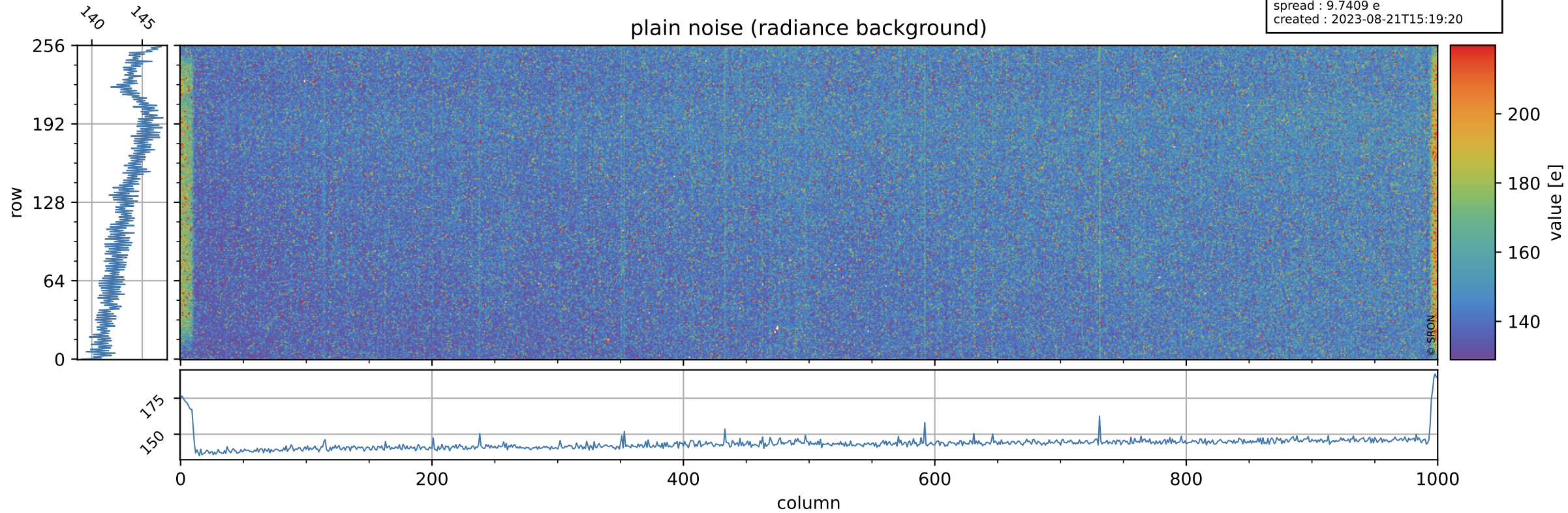
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.33 e  
spread : 9.7409 e  
created : 2023-08-21T15:19:20

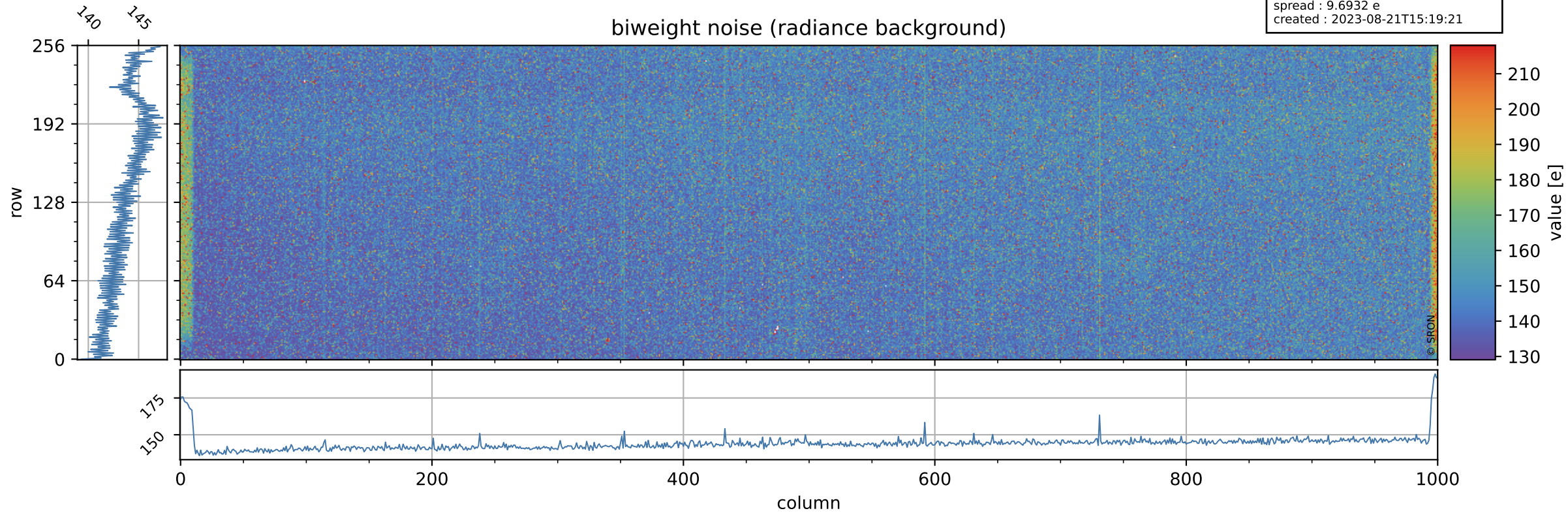
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.6932 e  
created : 2023-08-21T15:19:21

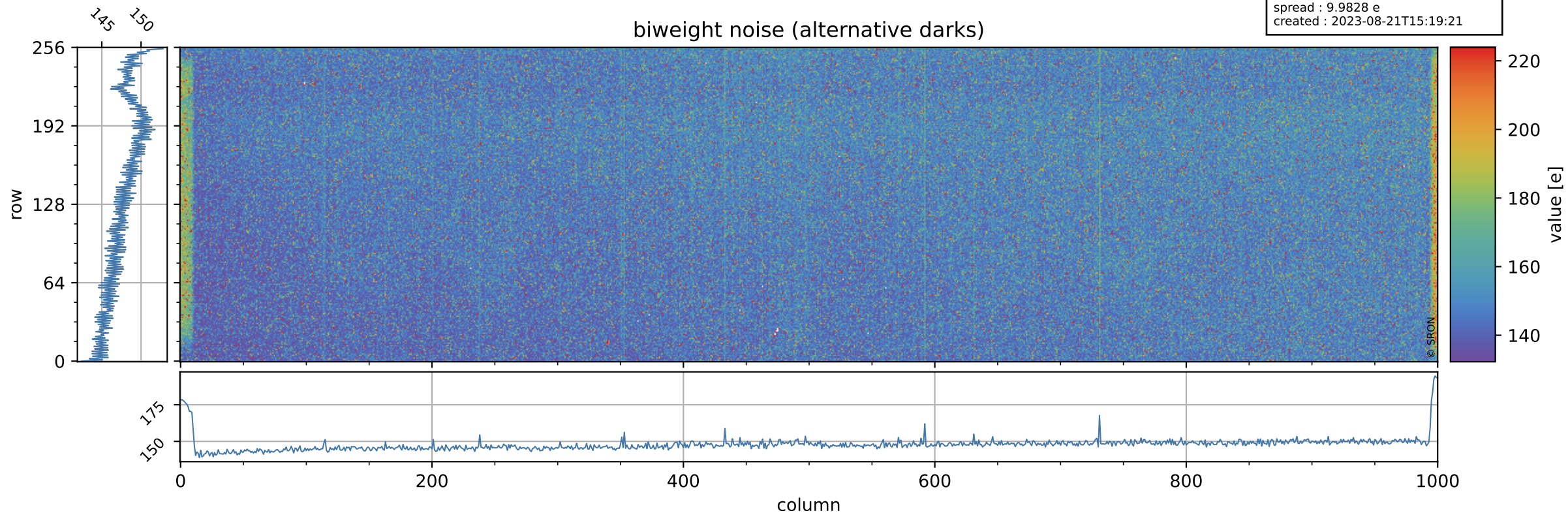
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 9.9828 e  
created : 2023-08-21T15:19:21

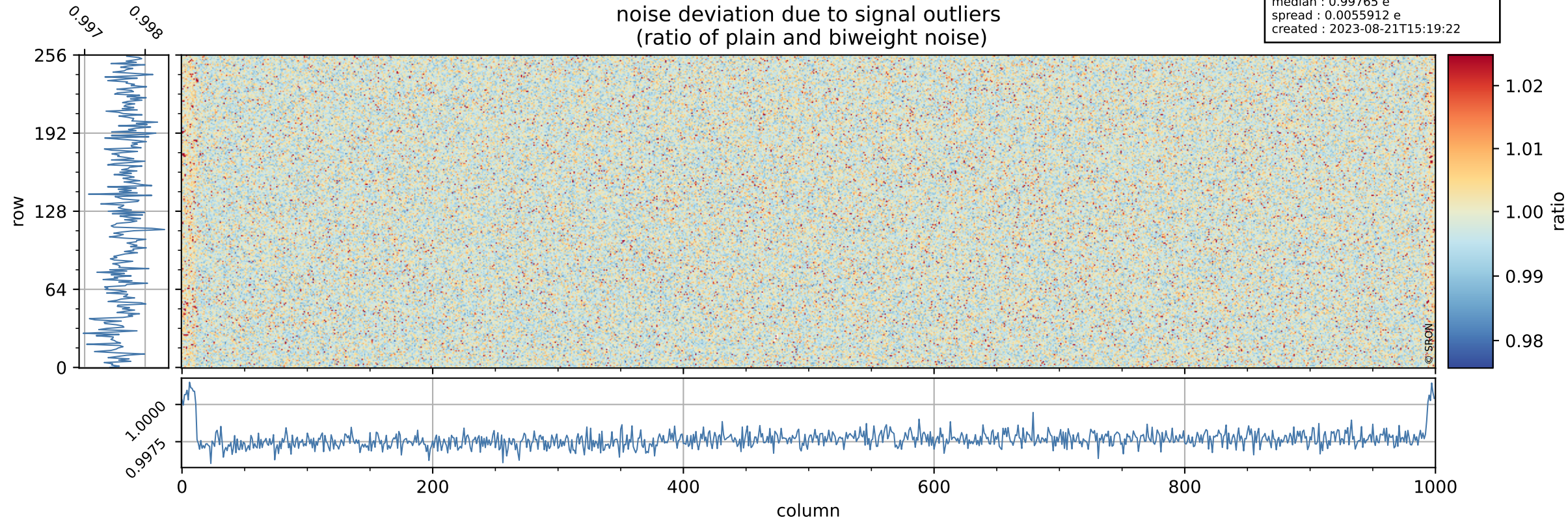
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

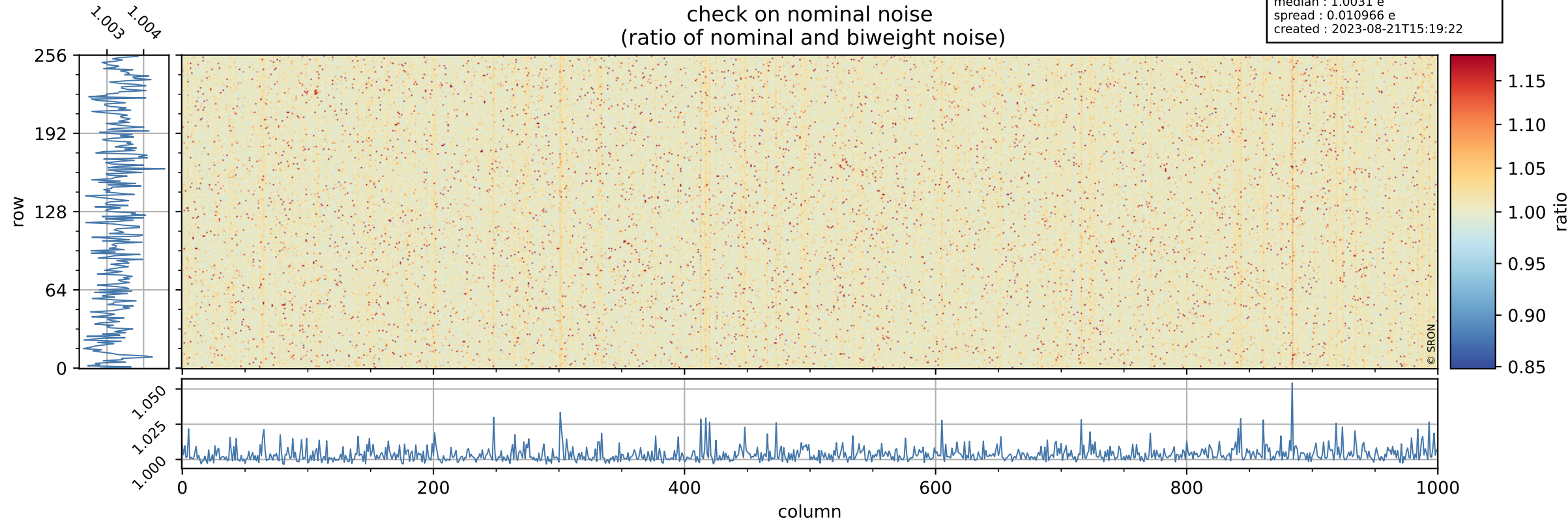
orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
median : 0.99765 e  
spread : 0.0055912 e  
created : 2023-08-21T15:19:22



# Tropomi SWIR background noise (swir)

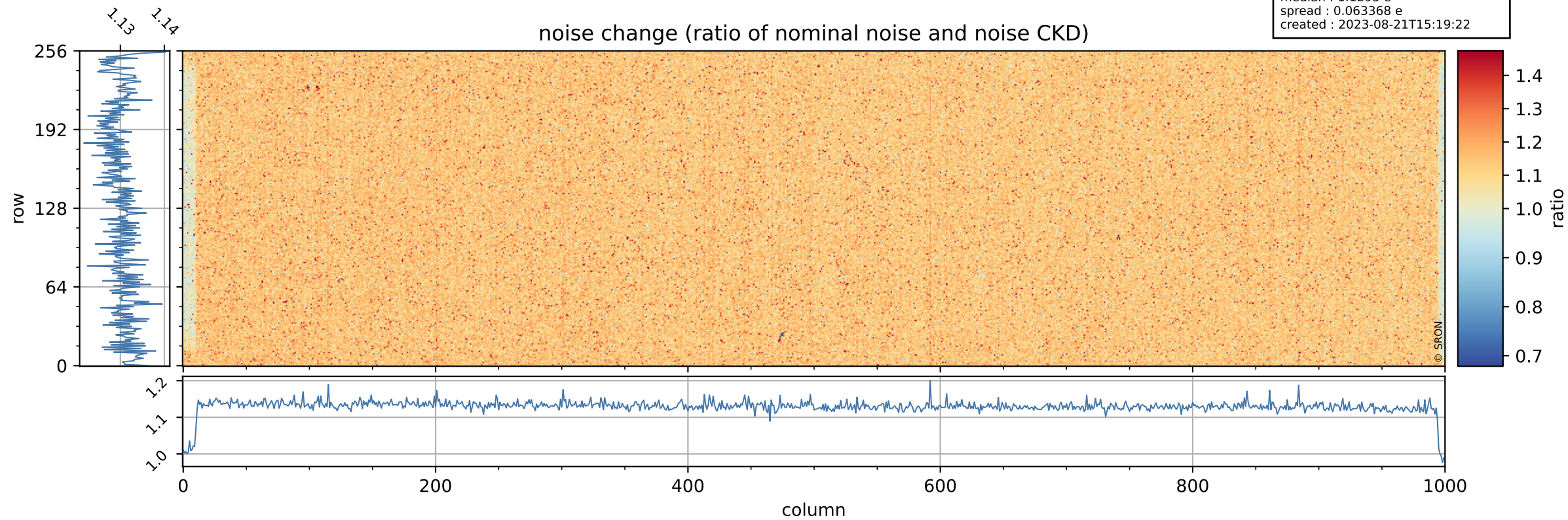
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
median : 1.0031 e  
spread : 0.010966 e  
created : 2023-08-21T15:19:22



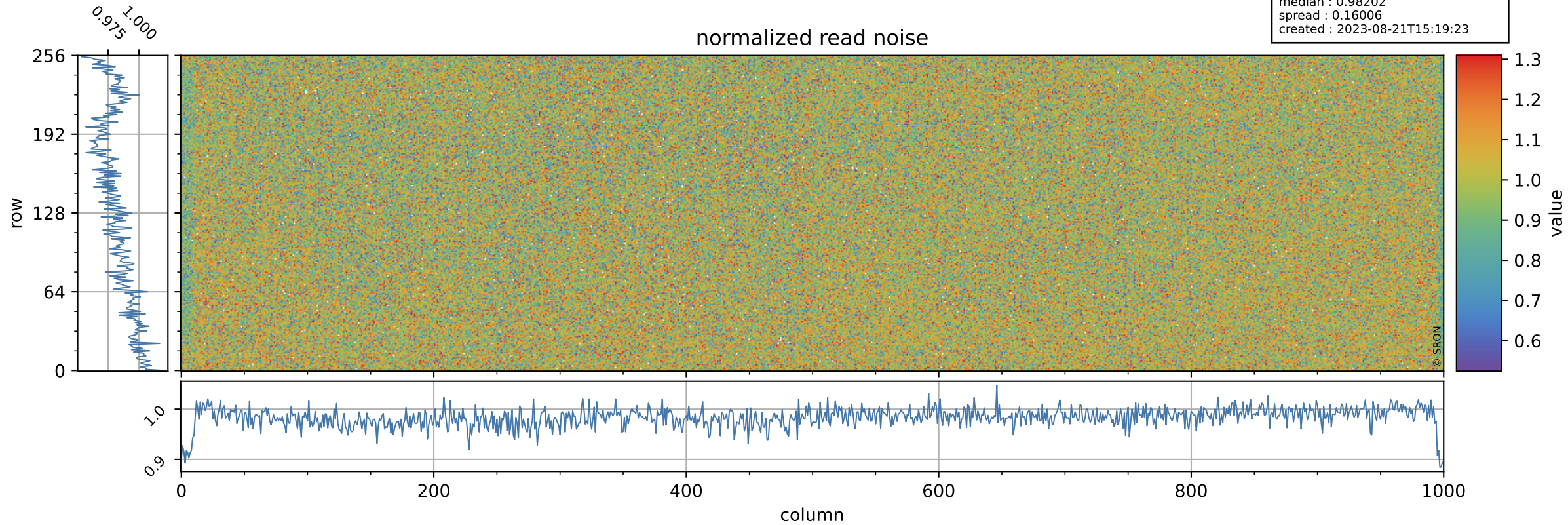
# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
median : 1.1295 e  
spread : 0.063368 e  
created : 2023-08-21T15:19:22



# Tropomi SWIR background noise (swir)

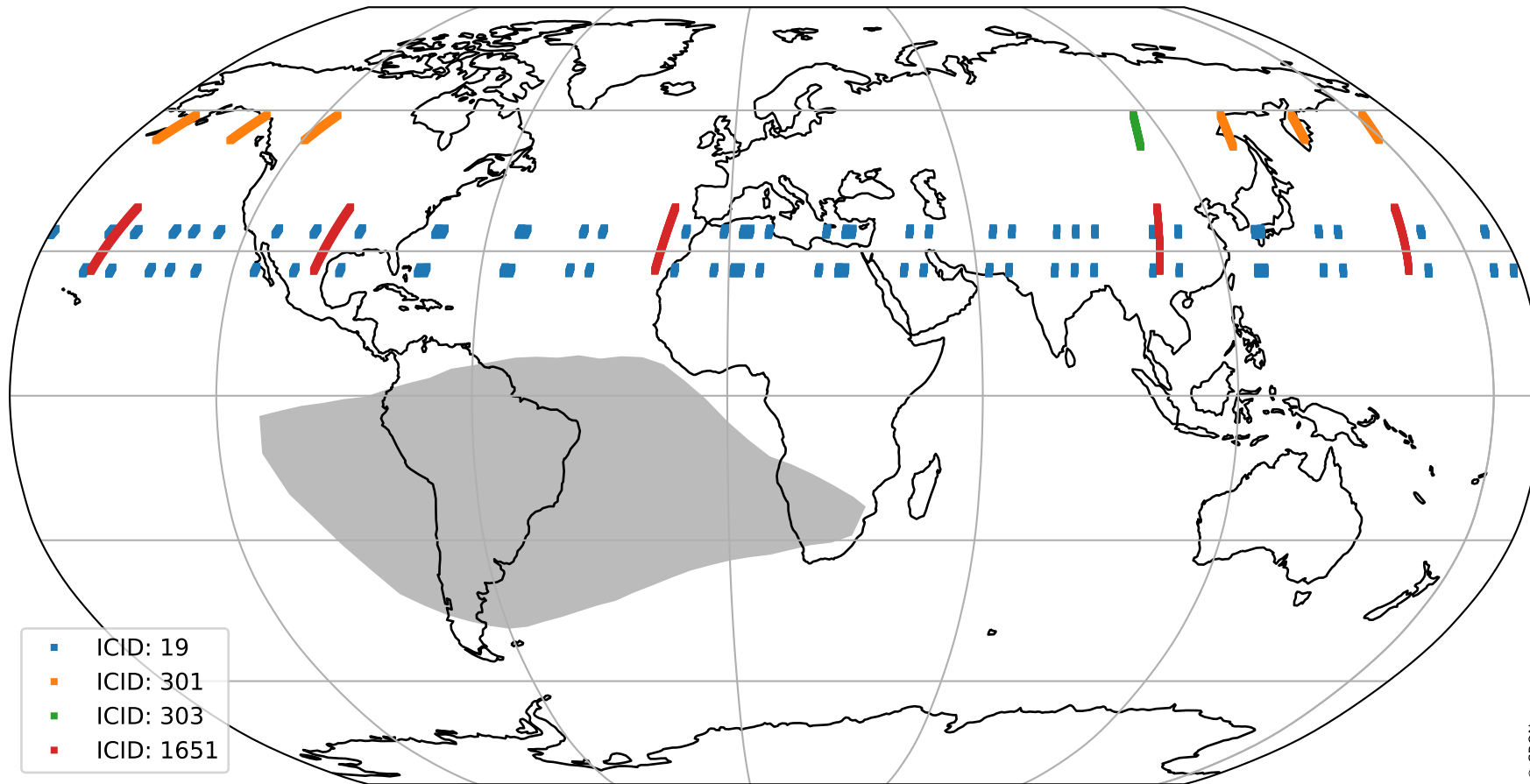
orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
median : 0.98202  
spread : 0.16006  
created : 2023-08-21T15:19:23





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

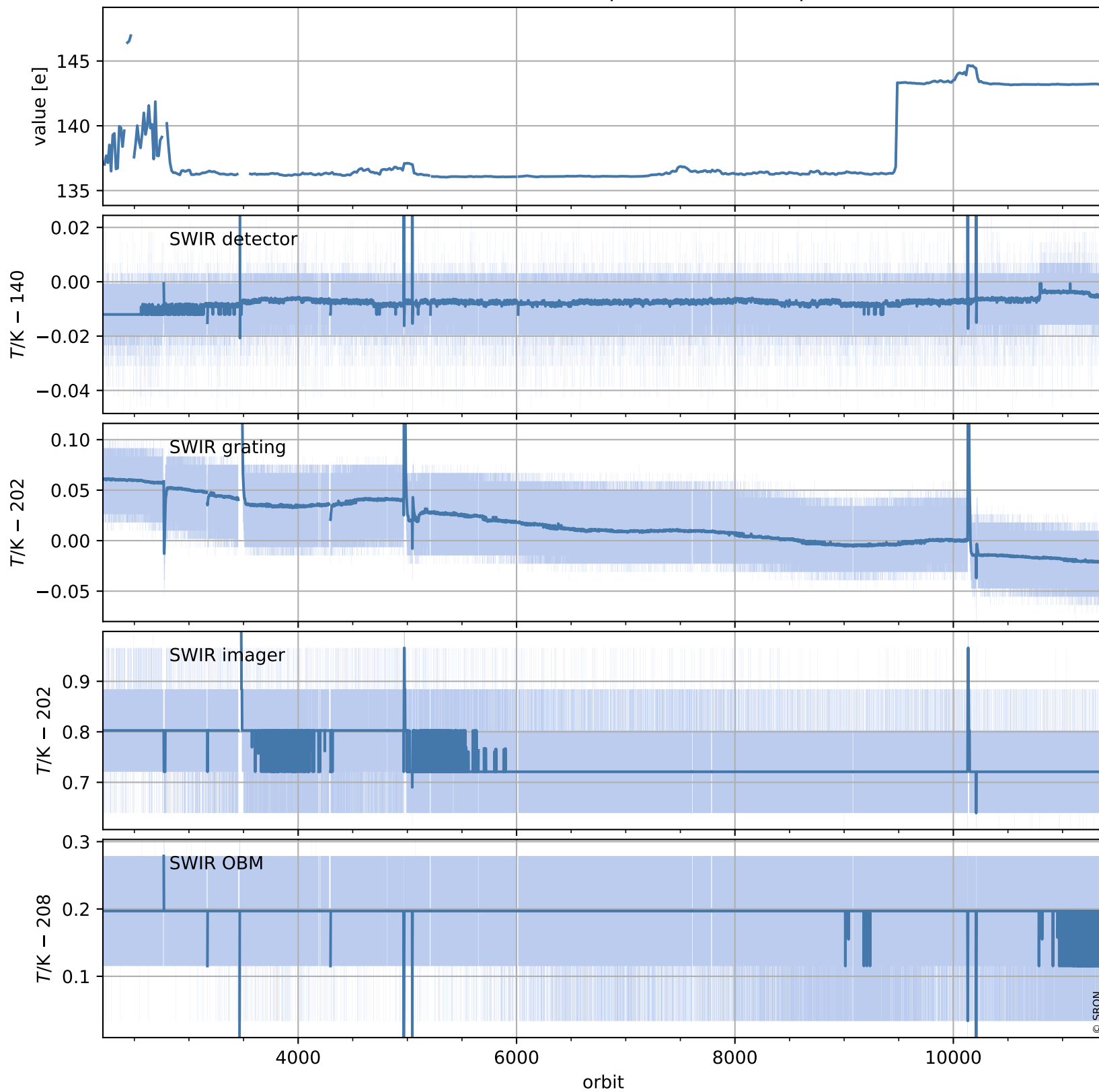
orbits : 12 in [11287, 11377]  
coverage : 2019-12-18 / 2019-12-24  
created : 2023-08-21T15:19:23



# Tropomi SWIR background noise (swir)

orbits : [2212, 11377]  
coverage : 2018-03-18 / 2019-12-24  
created : 2023-08-21T15:19:23

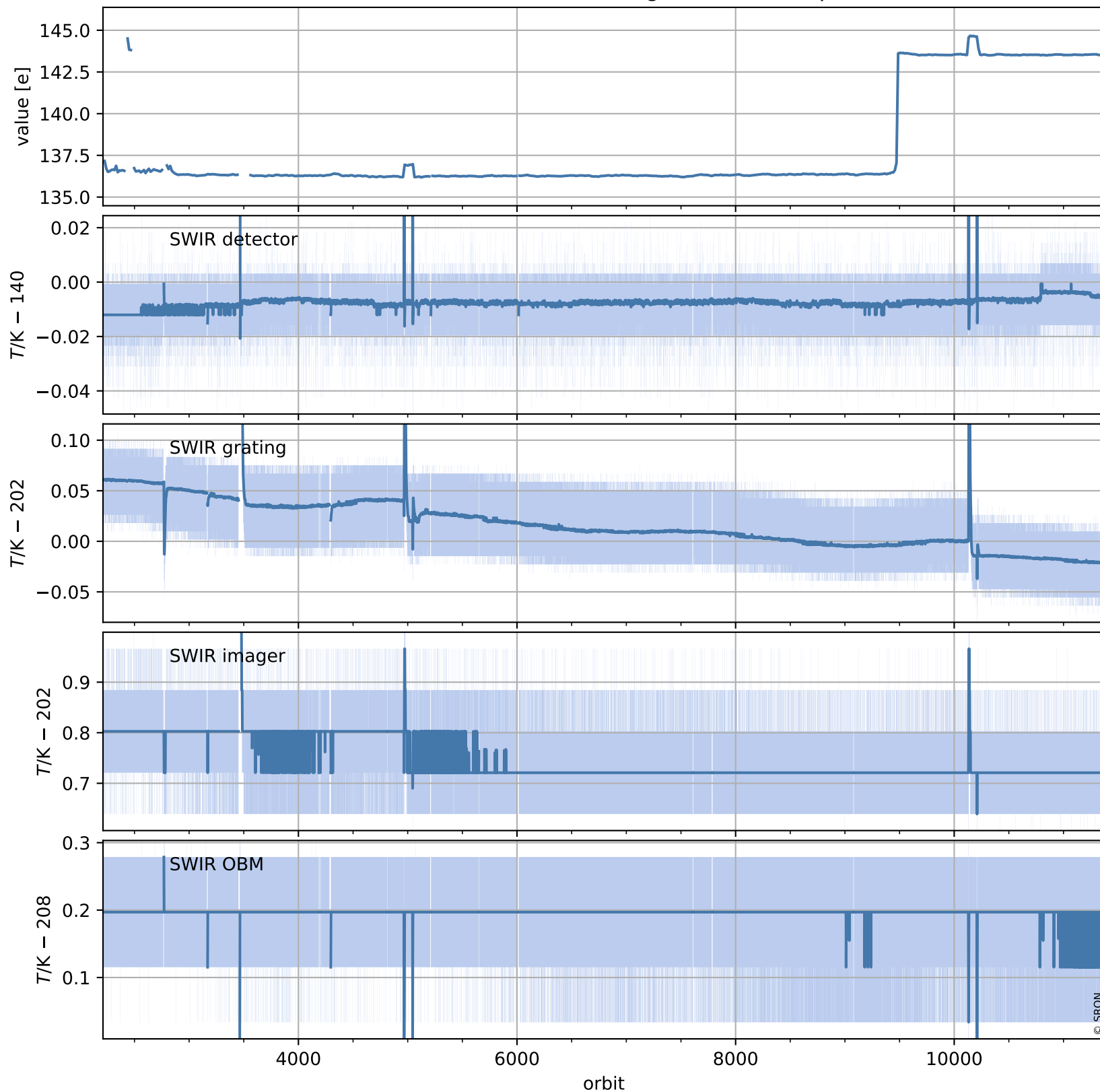
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11377]  
coverage : 2018-03-18 / 2019-12-24  
created : 2023-08-21T15:19:24

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11377]  
coverage : 2018-03-18 / 2019-12-24  
created : 2023-08-21T15:19:25

## trend of normalized read-noise & temperatures

