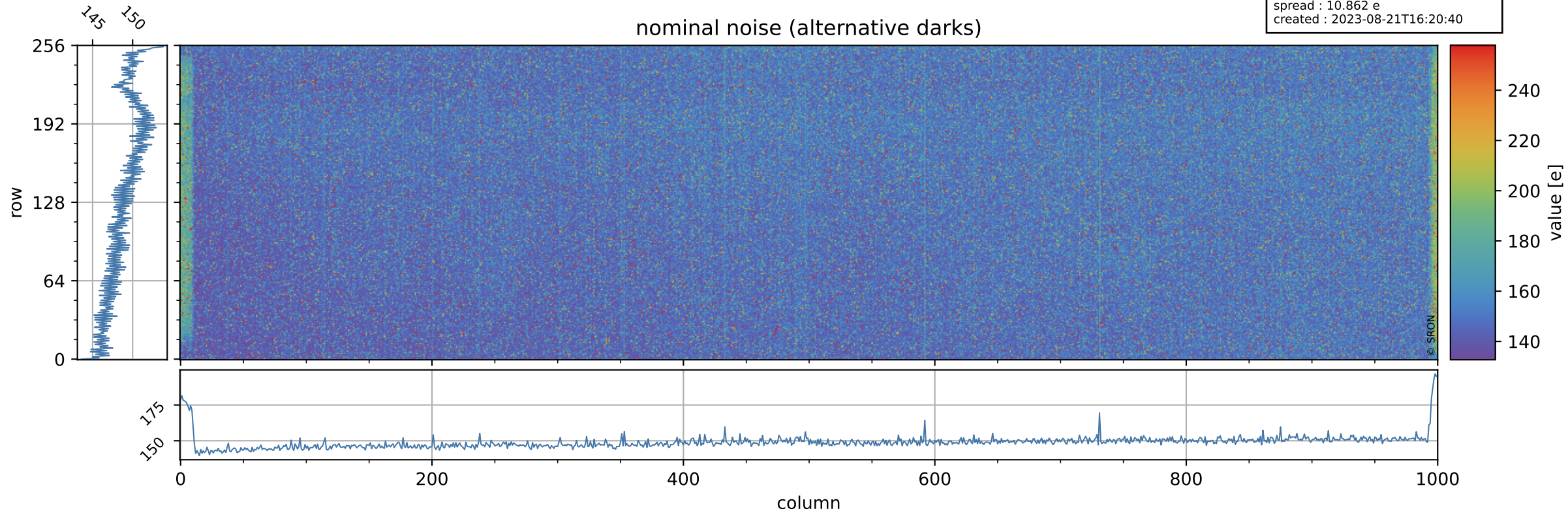


# Tropomi SWIR background noise (swir)

orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.81 e  
spread : 10.862 e  
created : 2023-08-21T16:20:40

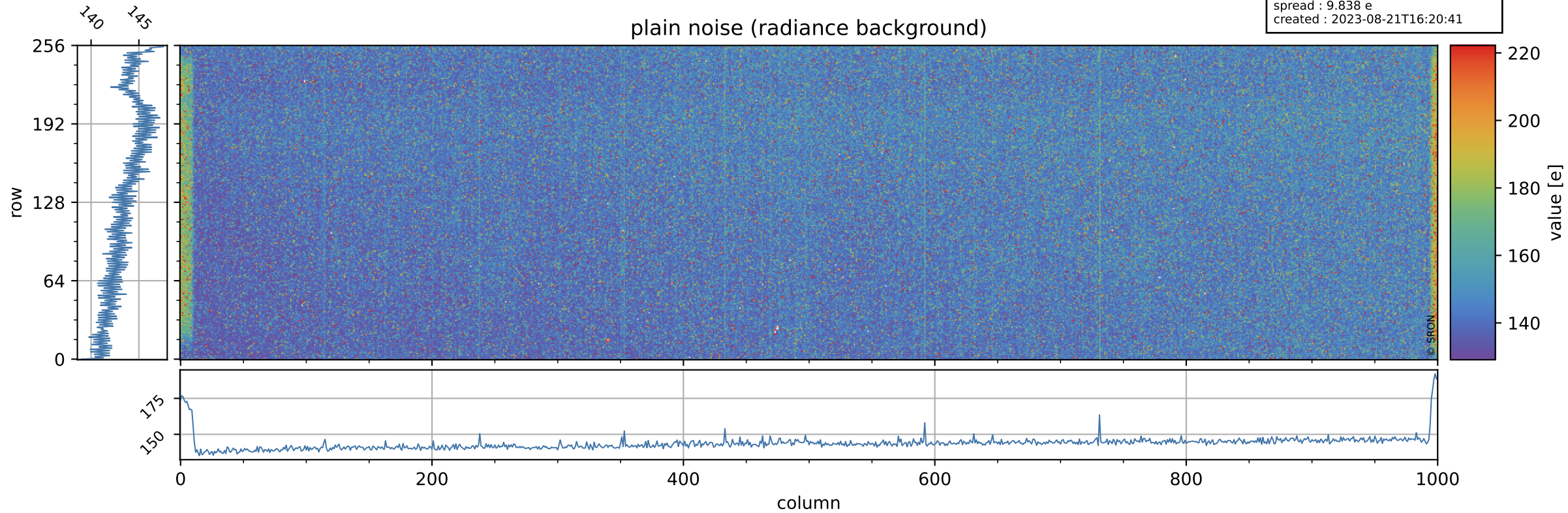
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.49 e  
spread : 9.838 e  
created : 2023-08-21T16:20:41

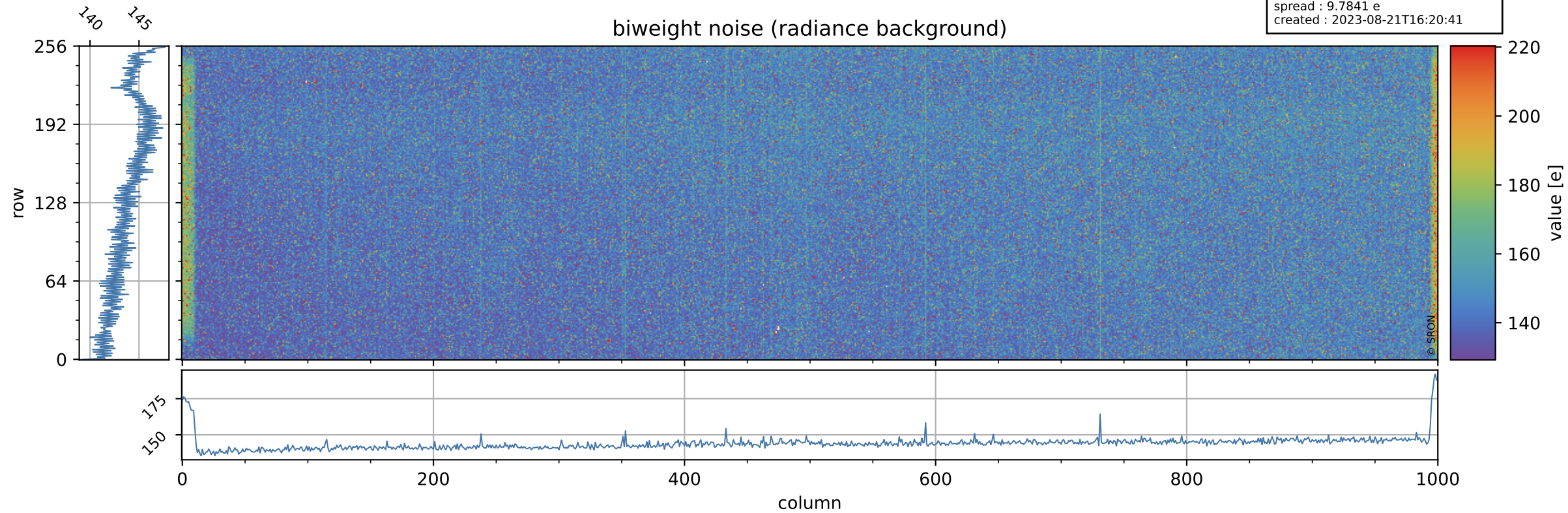
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.7841 e  
created : 2023-08-21T16:20:41

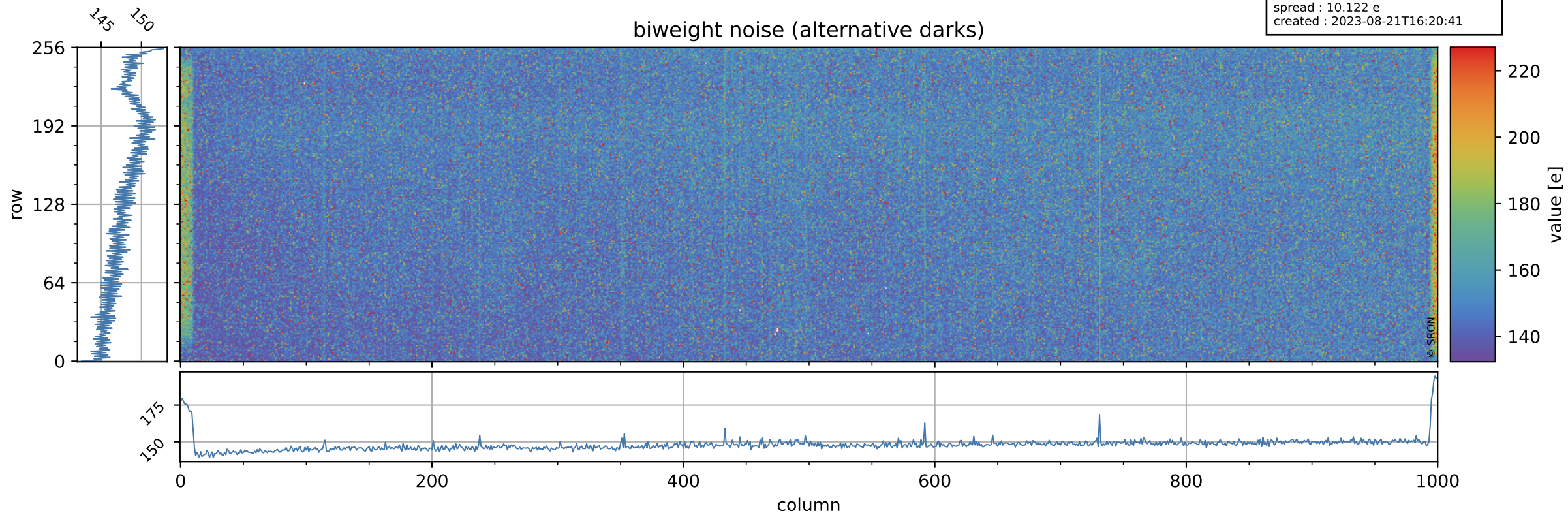
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.122 e  
created : 2023-08-21T16:20:41

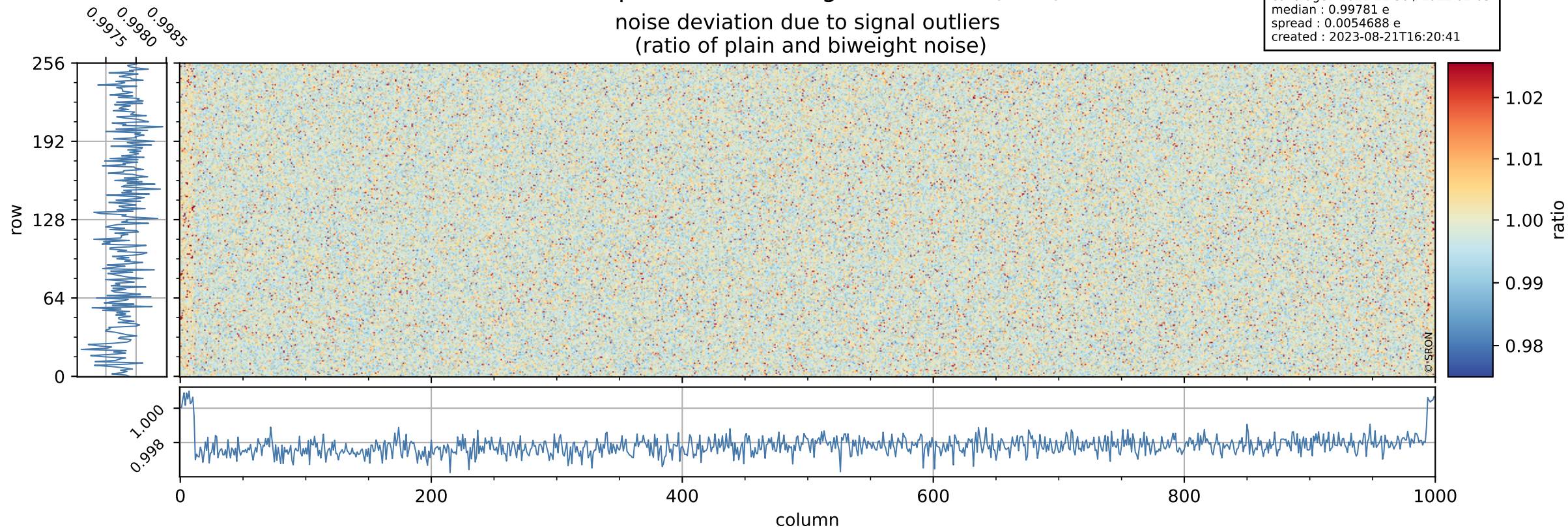
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

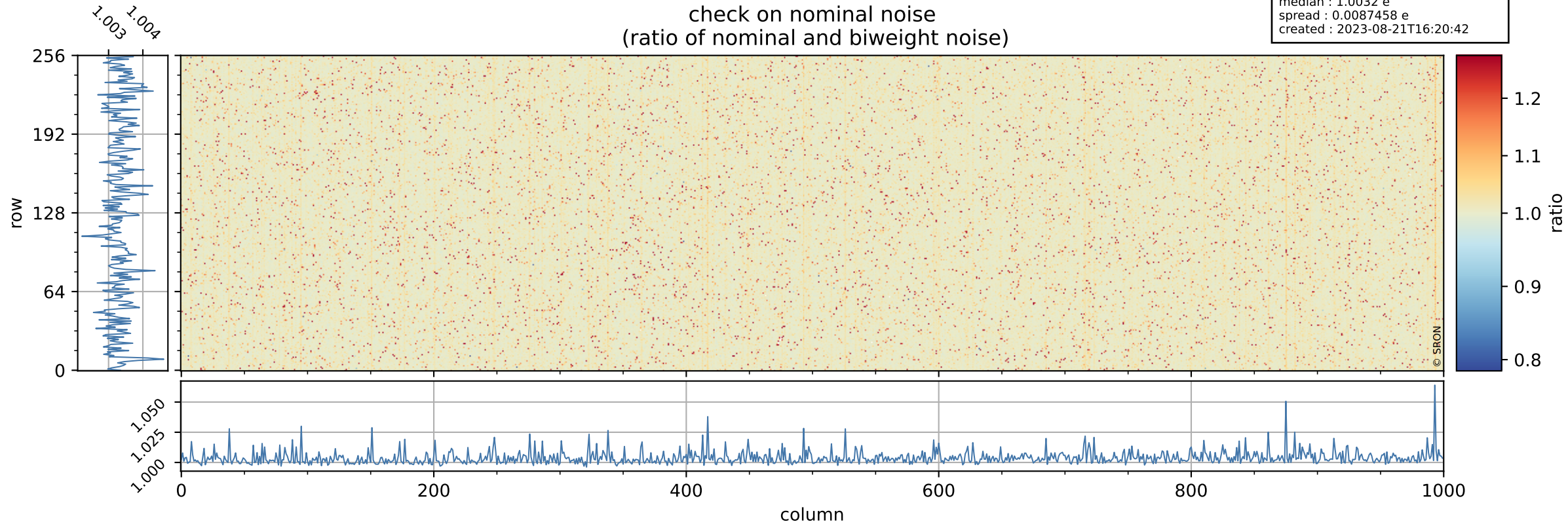
orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
median : 0.99781 e  
spread : 0.0054688 e  
created : 2023-08-21T16:20:41



# Tropomi SWIR background noise (swir)

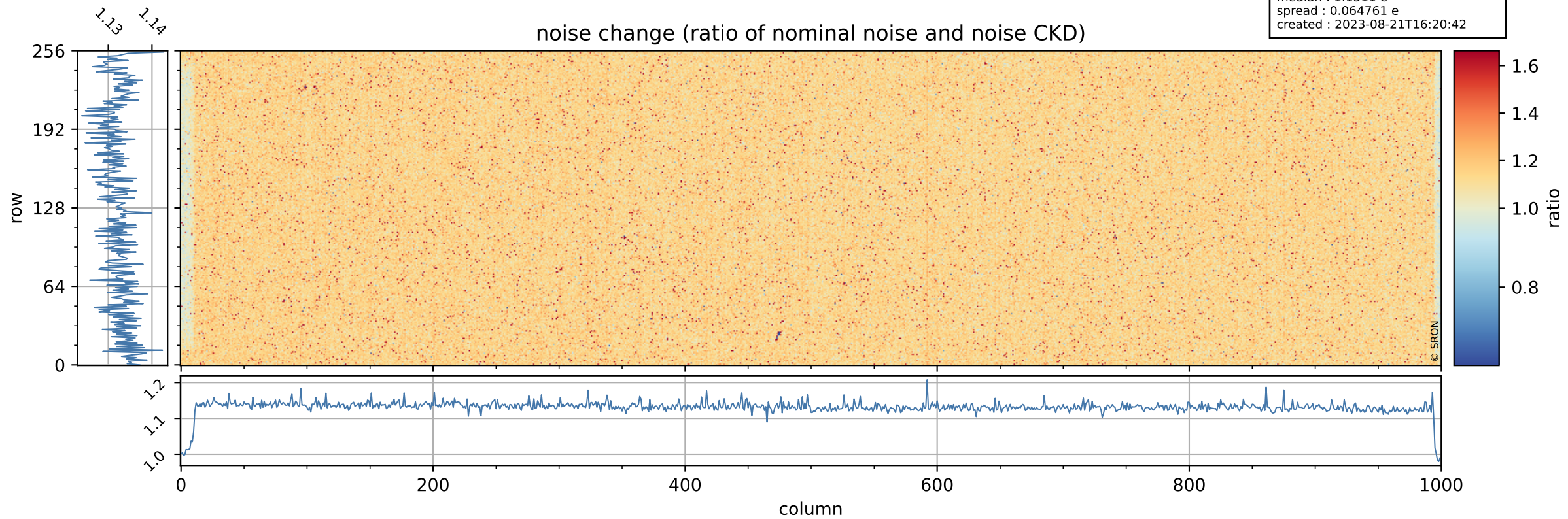
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
median : 1.0032 e  
spread : 0.0087458 e  
created : 2023-08-21T16:20:42



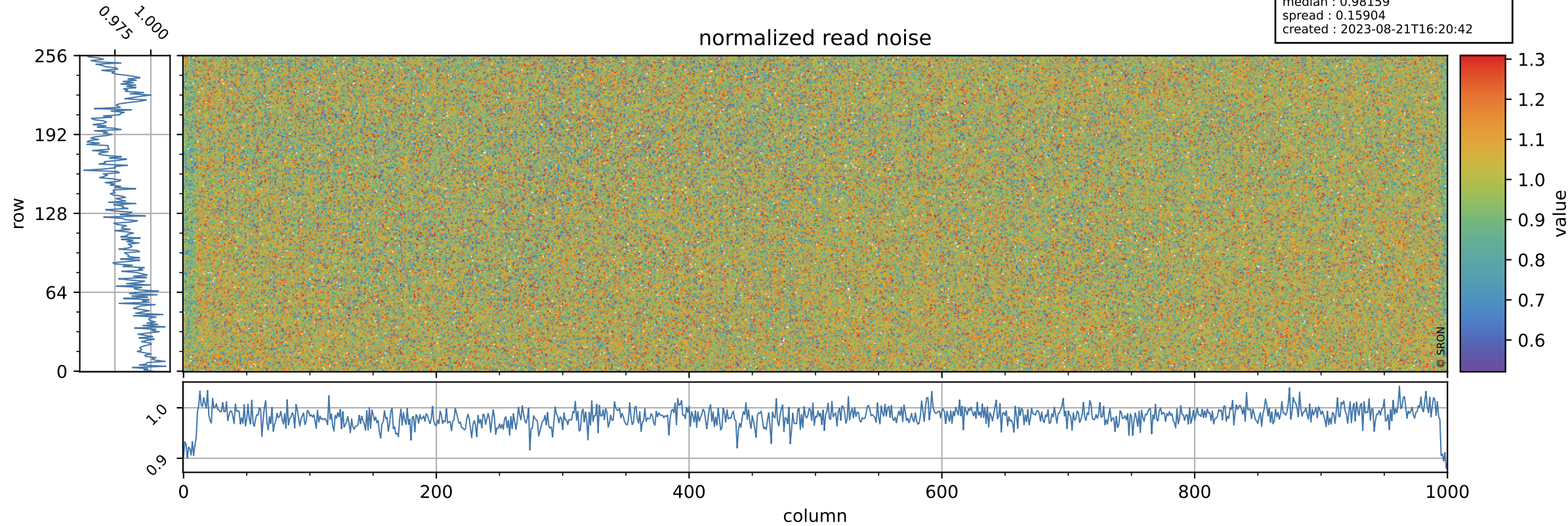
# Tropomi SWIR background noise (swir)

orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
median : 1.1311 e  
spread : 0.064761 e  
created : 2023-08-21T16:20:42



# Tropomi SWIR background noise (swir)

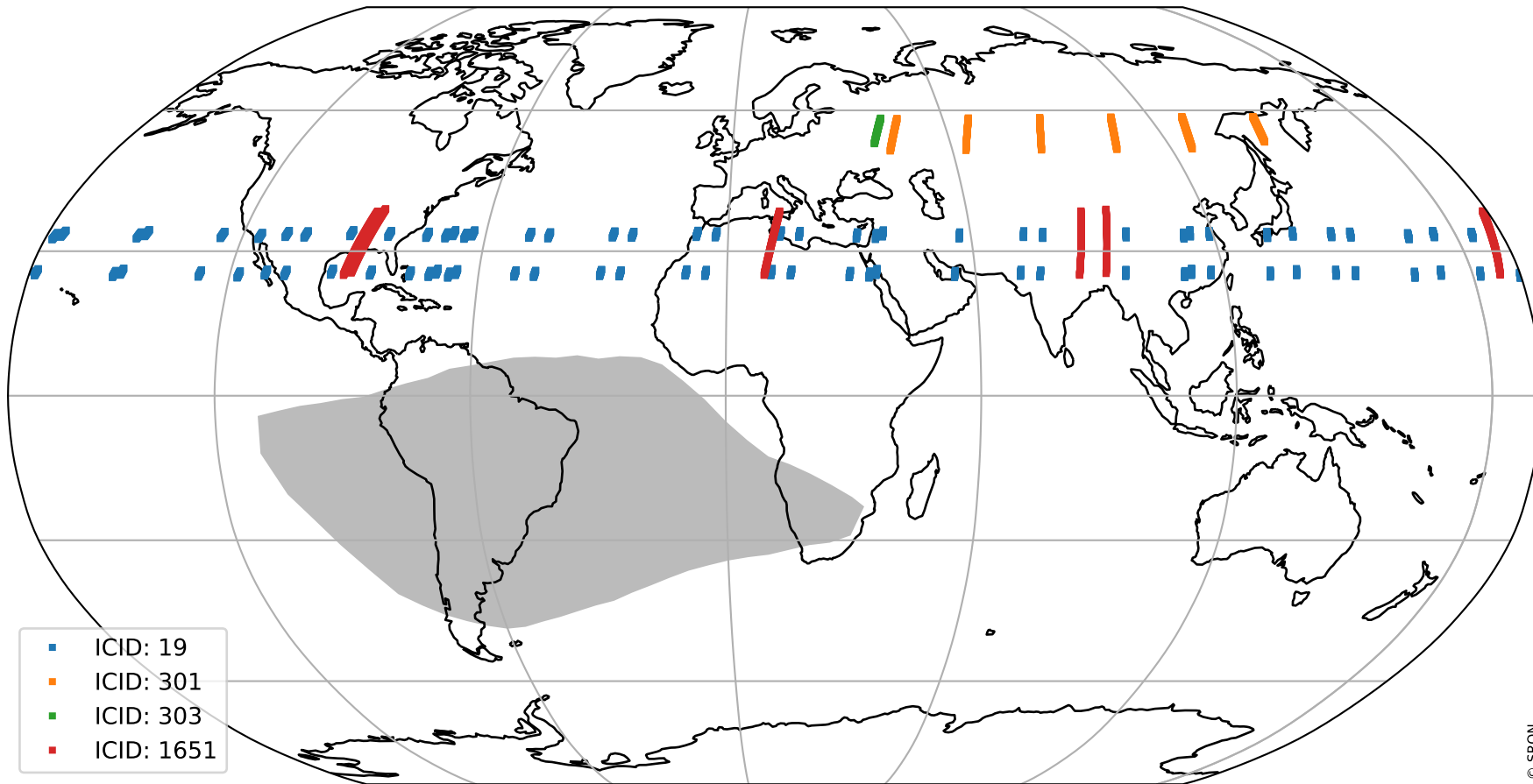
orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
median : 0.98159  
spread : 0.15904  
created : 2023-08-21T16:20:42





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

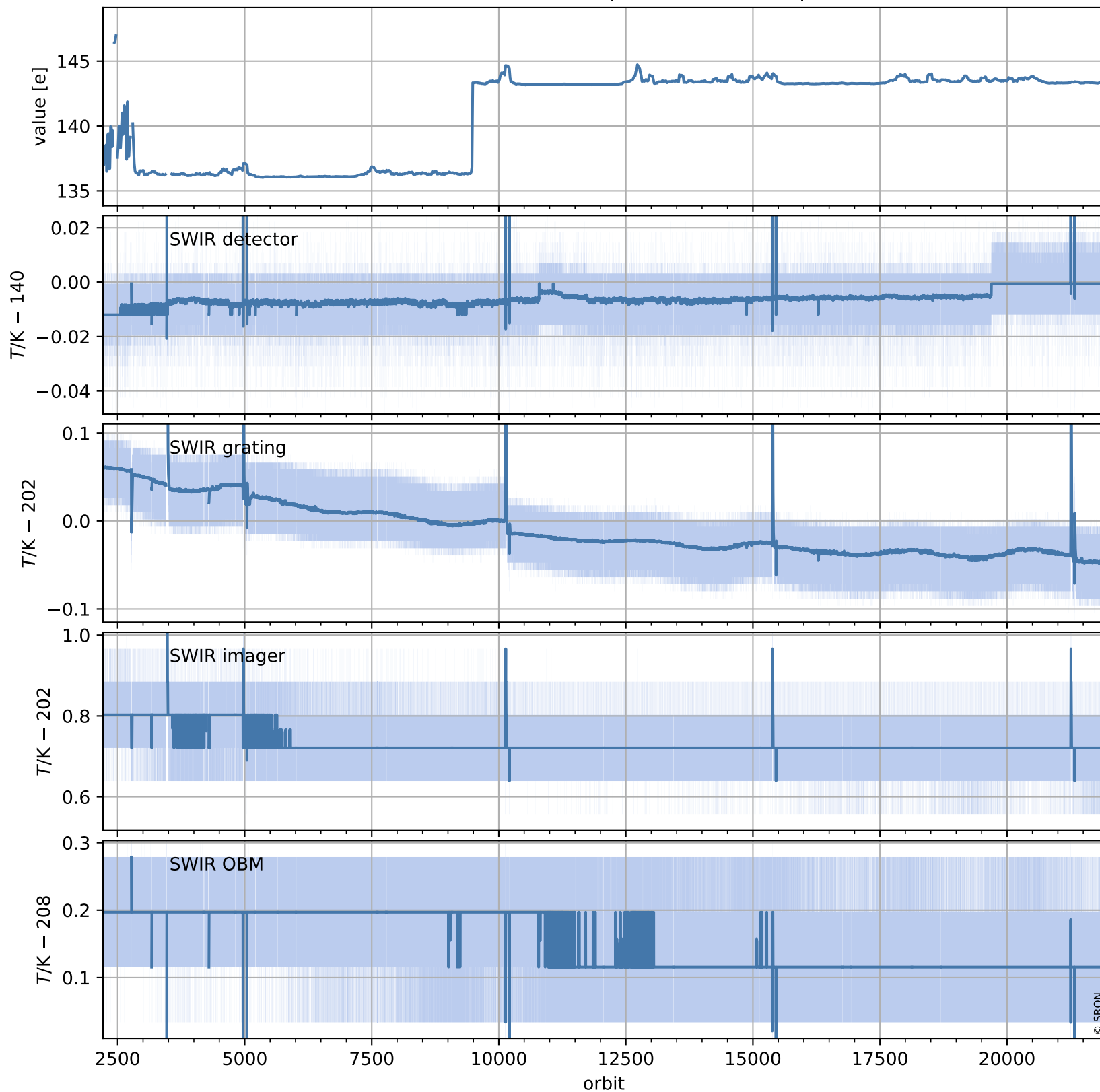
orbits : 13 in [21832, 21922]  
coverage : 2021-12-30 / 2022-01-05  
created : 2023-08-21T16:20:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 21922]  
coverage : 2018-03-18 / 2022-01-05  
created : 2023-08-21T16:20:43

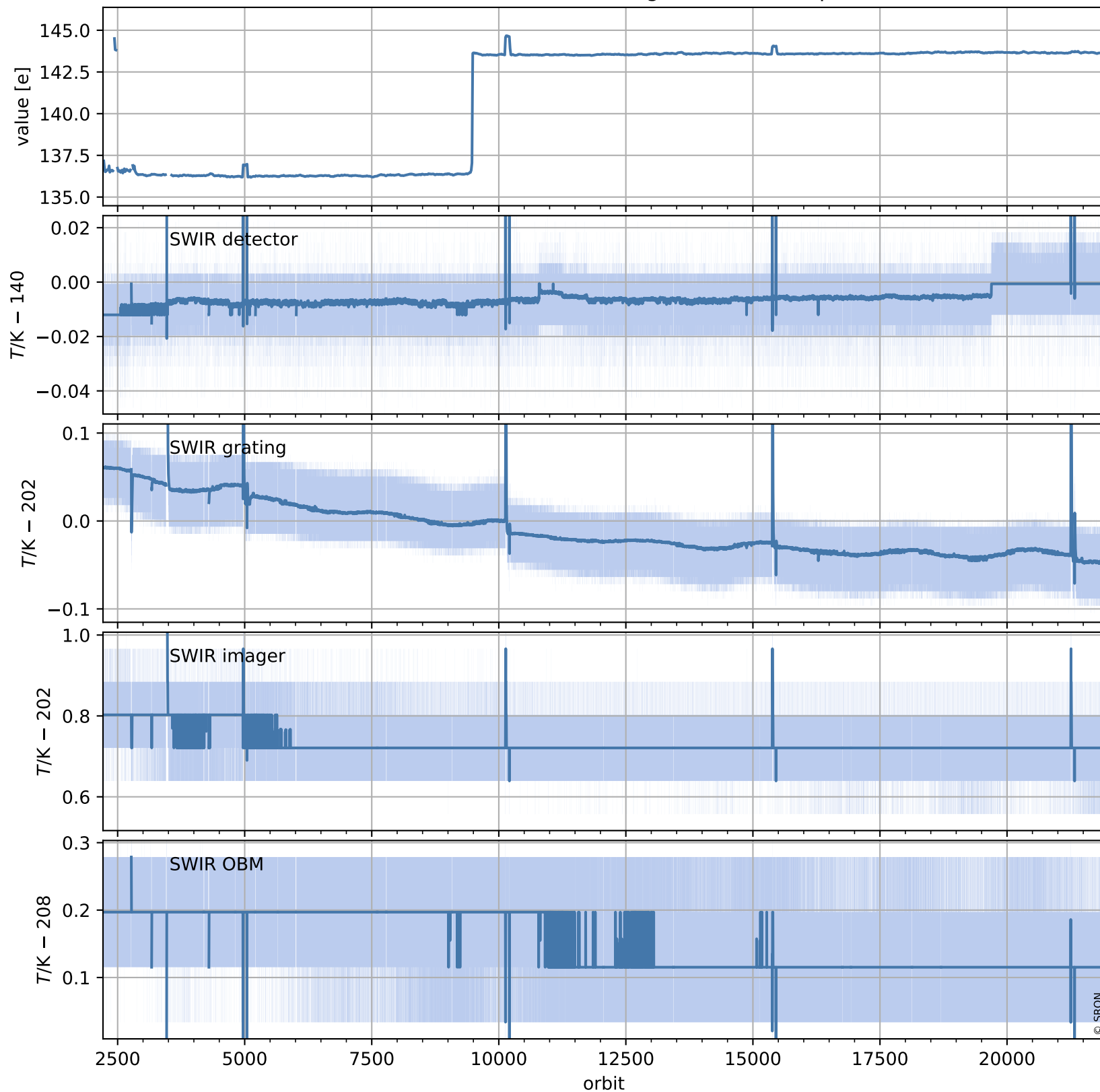
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21922]  
coverage : 2018-03-18 / 2022-01-05  
created : 2023-08-21T16:20:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21922]  
coverage : 2018-03-18 / 2022-01-05  
created : 2023-08-21T16:20:45

## trend of normalized read-noise & temperatures

