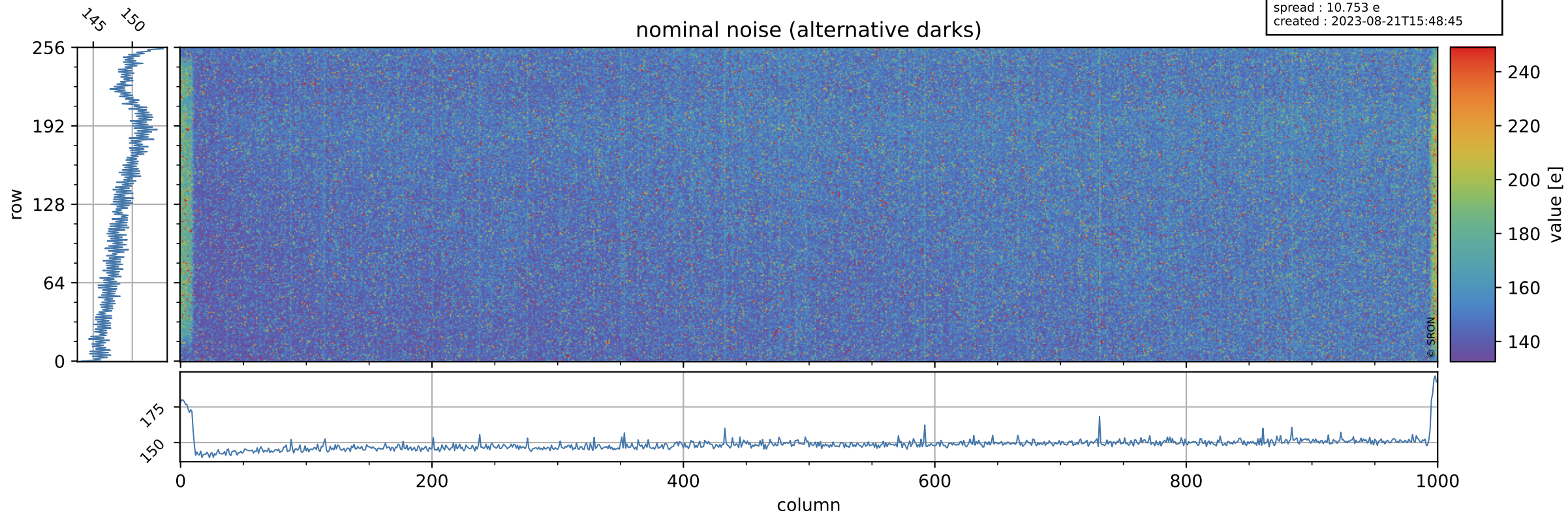


# Tropomi SWIR background noise (swir)

orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.63 e  
spread : 10.753 e  
created : 2023-08-21T15:48:45

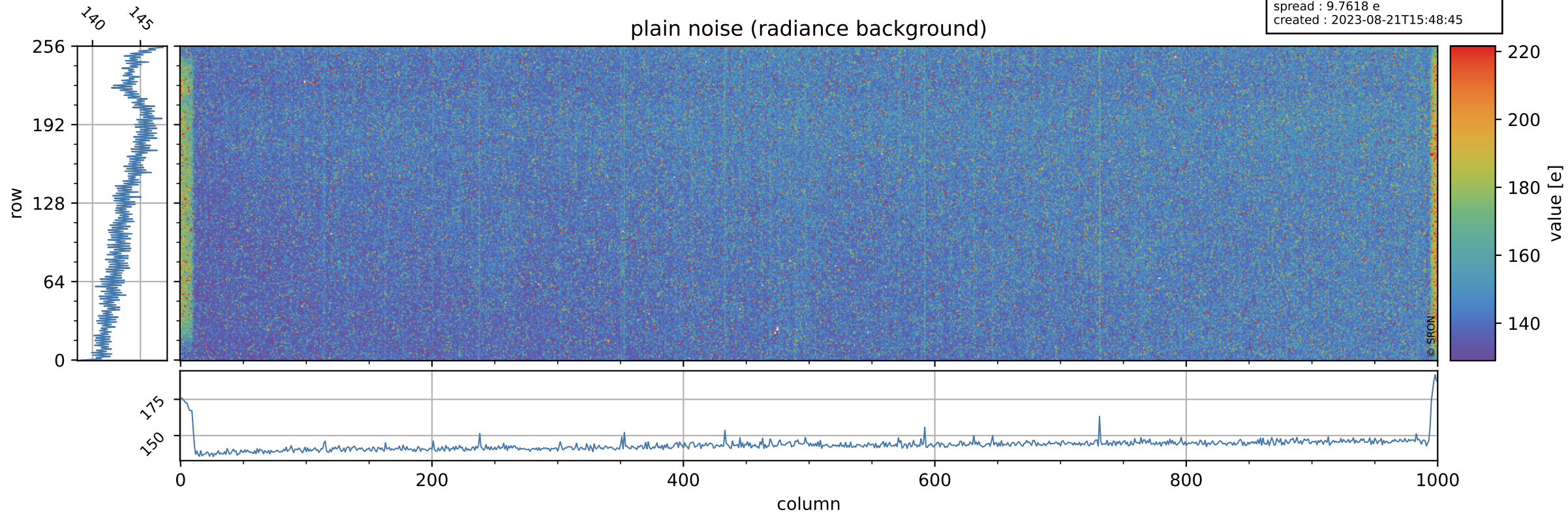
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7618 e  
created : 2023-08-21T15:48:45

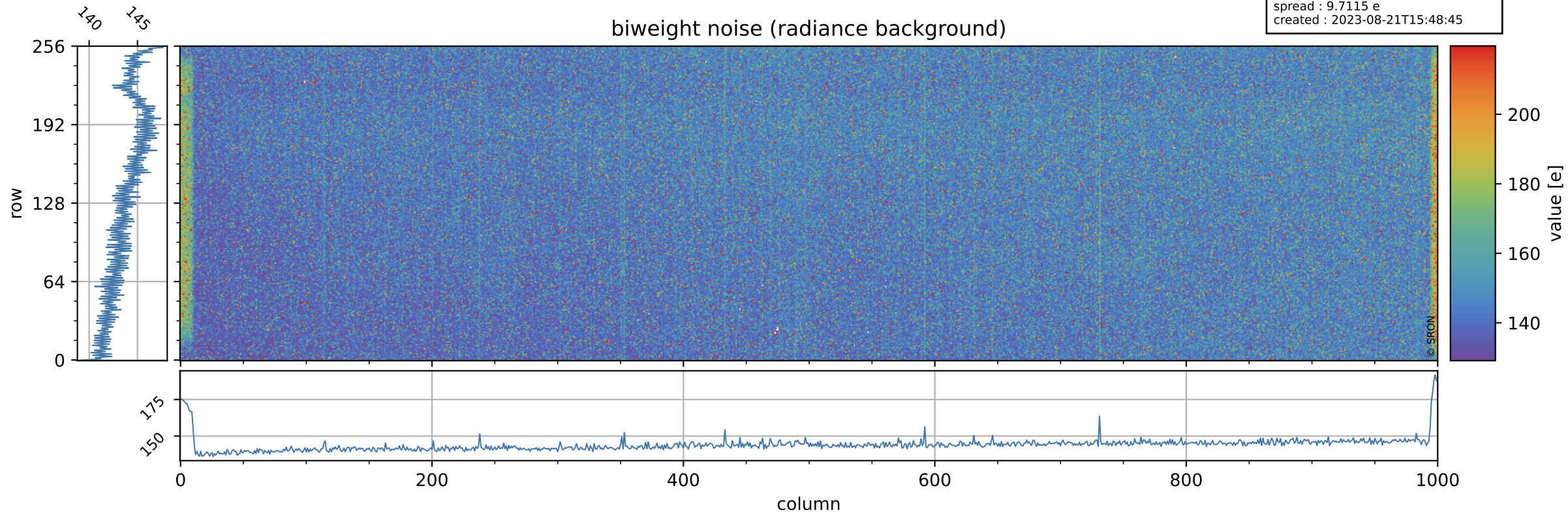
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7115 e  
created : 2023-08-21T15:48:45

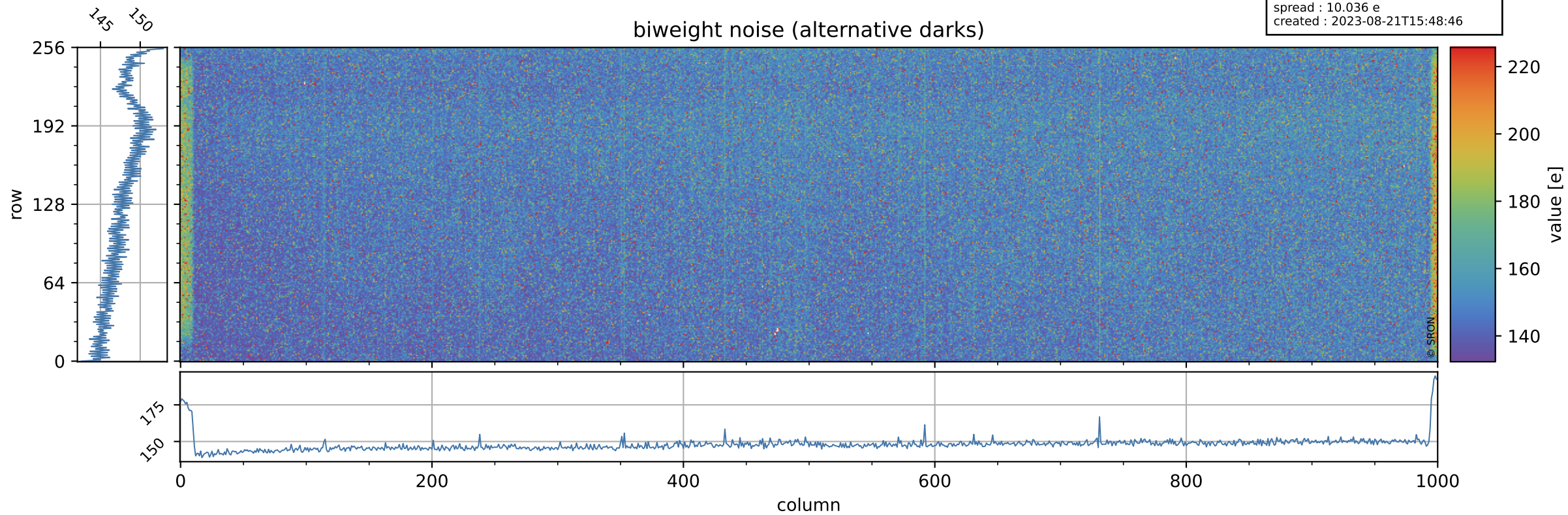
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.036 e  
created : 2023-08-21T15:48:46

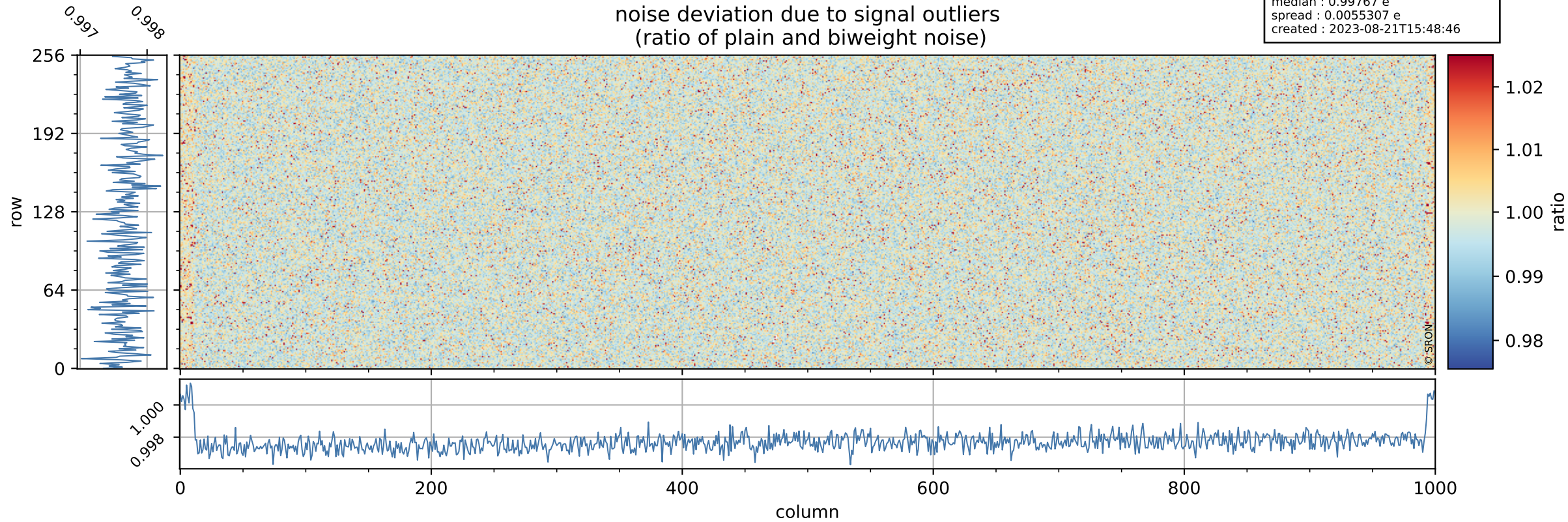
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

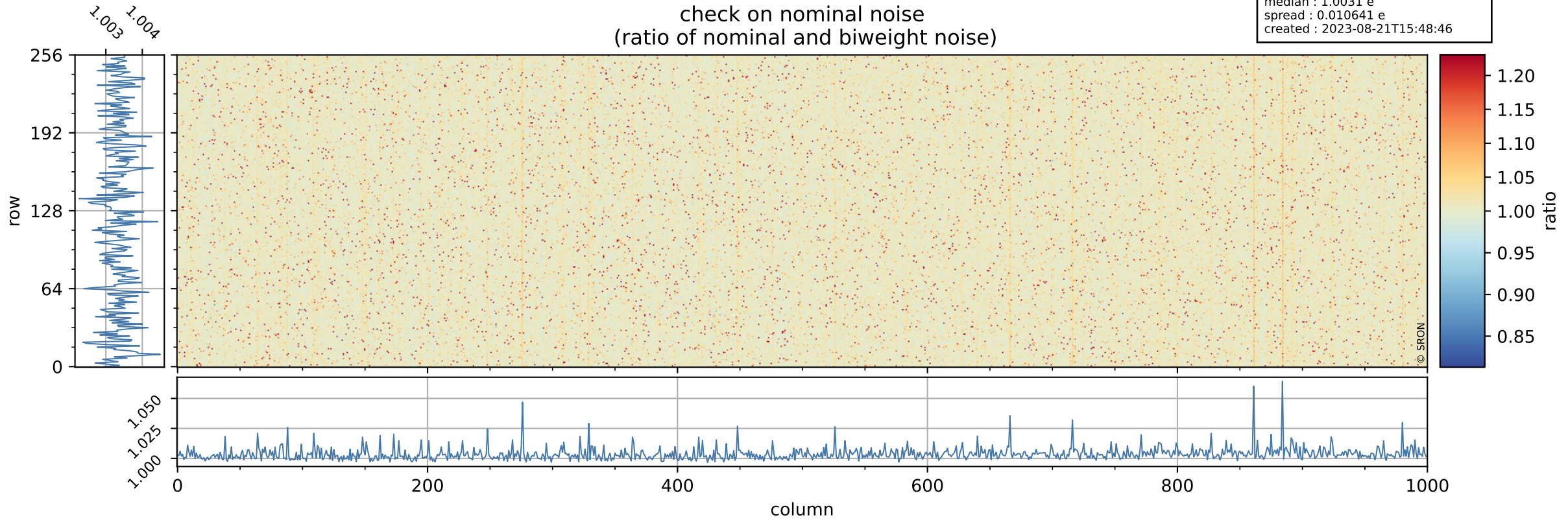
orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
median : 0.99767 e  
spread : 0.0055307 e  
created : 2023-08-21T15:48:46



# Tropomi SWIR background noise (swir)

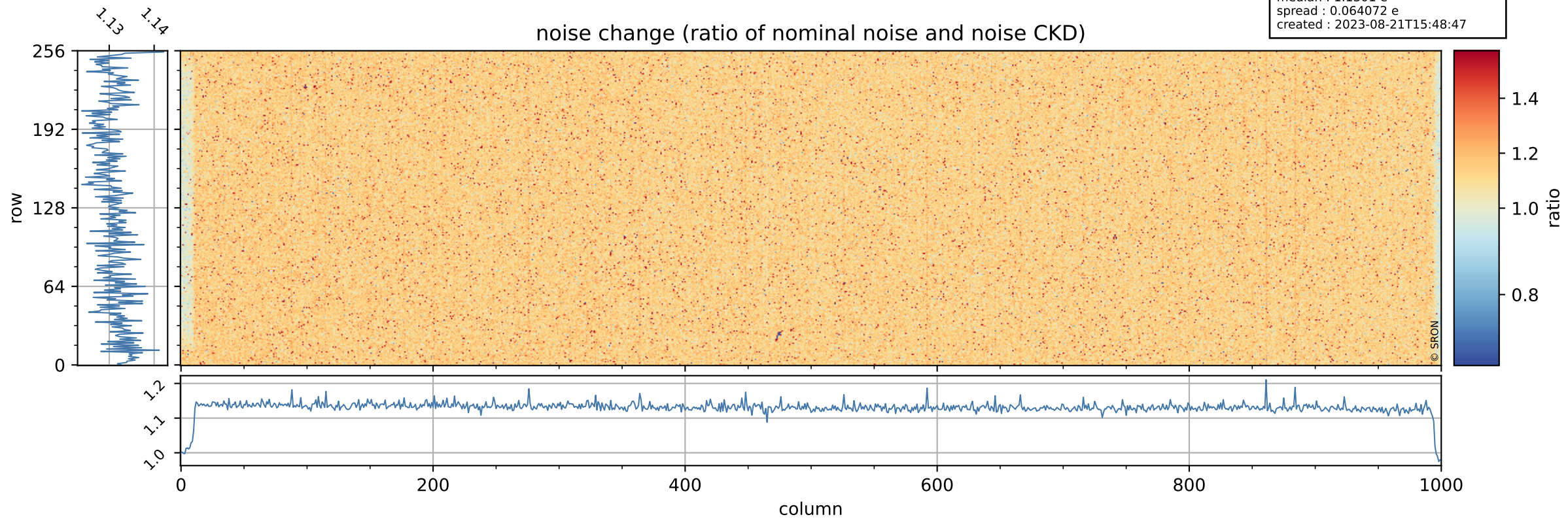
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
median : 1.0031 e  
spread : 0.010641 e  
created : 2023-08-21T15:48:46



# Tropomi SWIR background noise (swir)

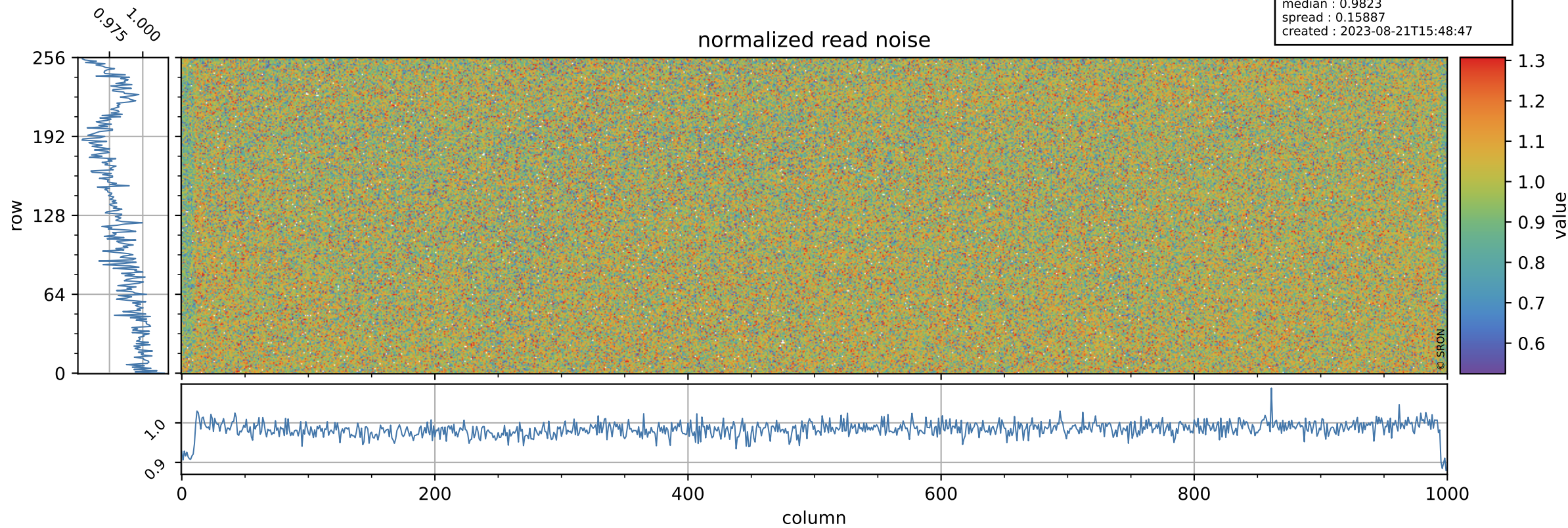
orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
median : 1.1301 e  
spread : 0.064072 e  
created : 2023-08-21T15:48:47



# Tropomi SWIR background noise (swir)

orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
median : 0.9823  
spread : 0.15887  
created : 2023-08-21T15:48:47

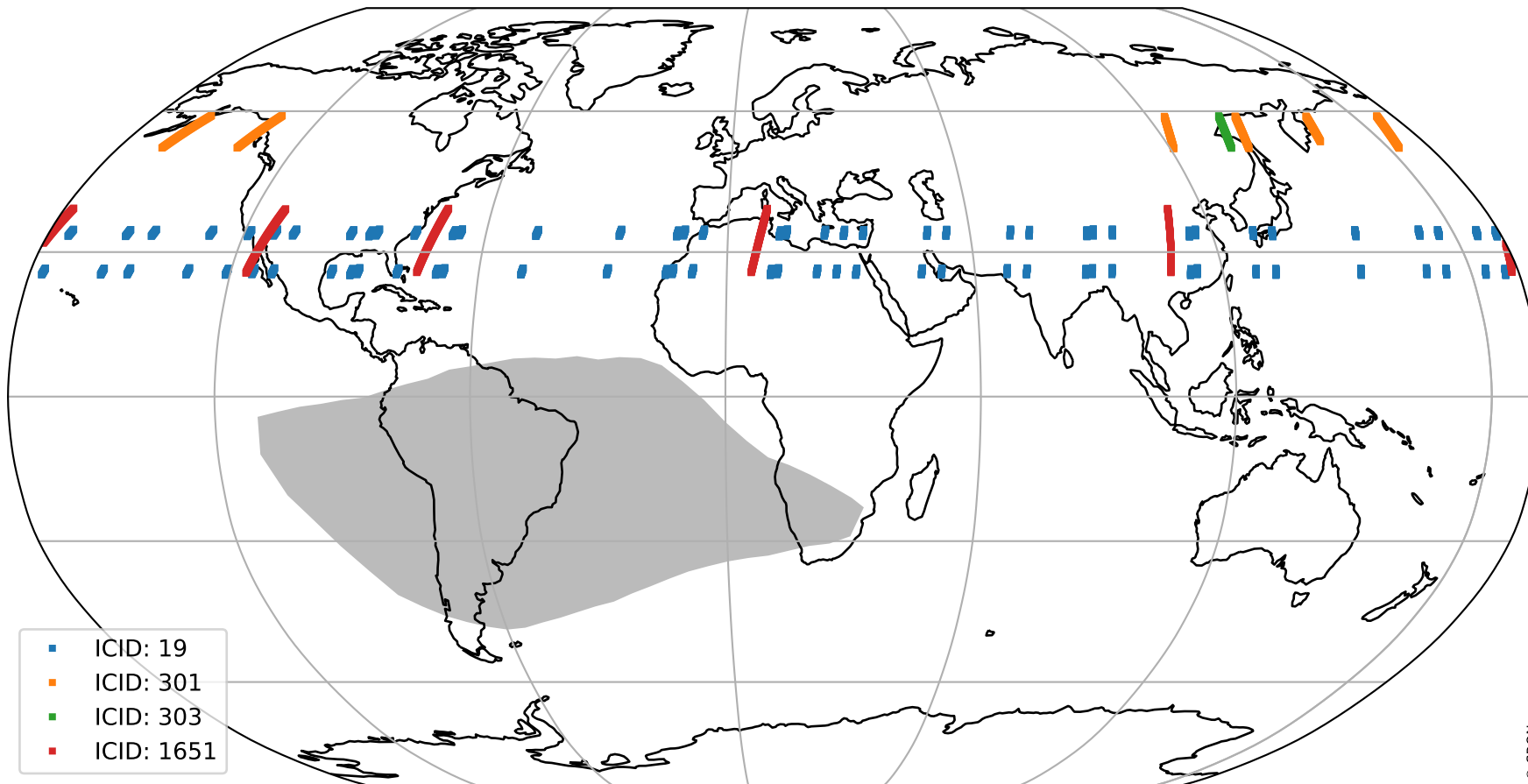
normalized read noise





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

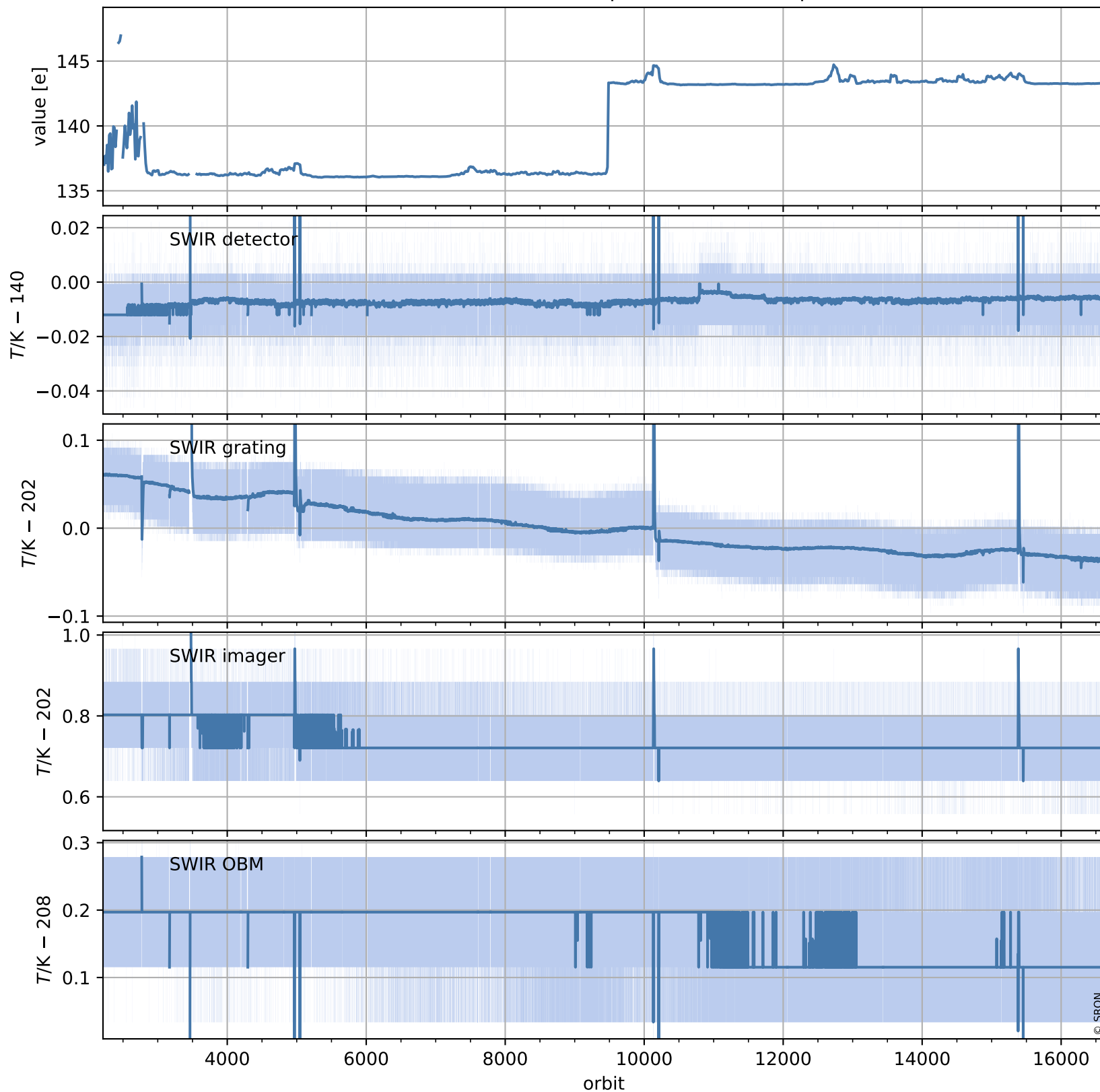
orbits : 12 in [16537, 16627]  
coverage : 2020-12-22 / 2020-12-28  
created : 2023-08-21T15:48:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 16627]  
coverage : 2018-03-18 / 2020-12-28  
created : 2023-08-21T15:48:47

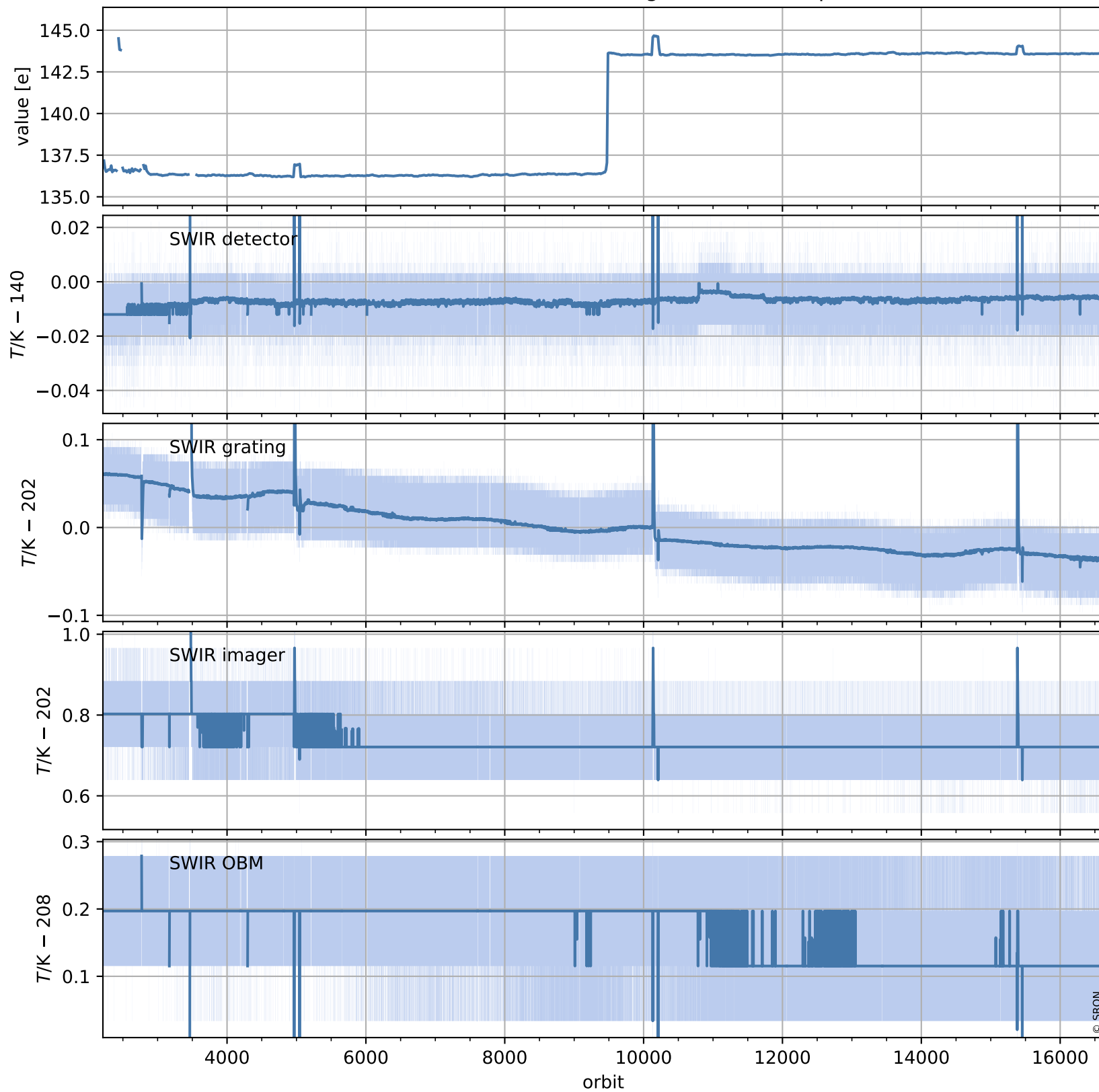
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16627]  
coverage : 2018-03-18 / 2020-12-28  
created : 2023-08-21T15:48:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16627]  
coverage : 2018-03-18 / 2020-12-28  
created : 2023-08-21T15:48:49

## trend of normalized read-noise & temperatures

