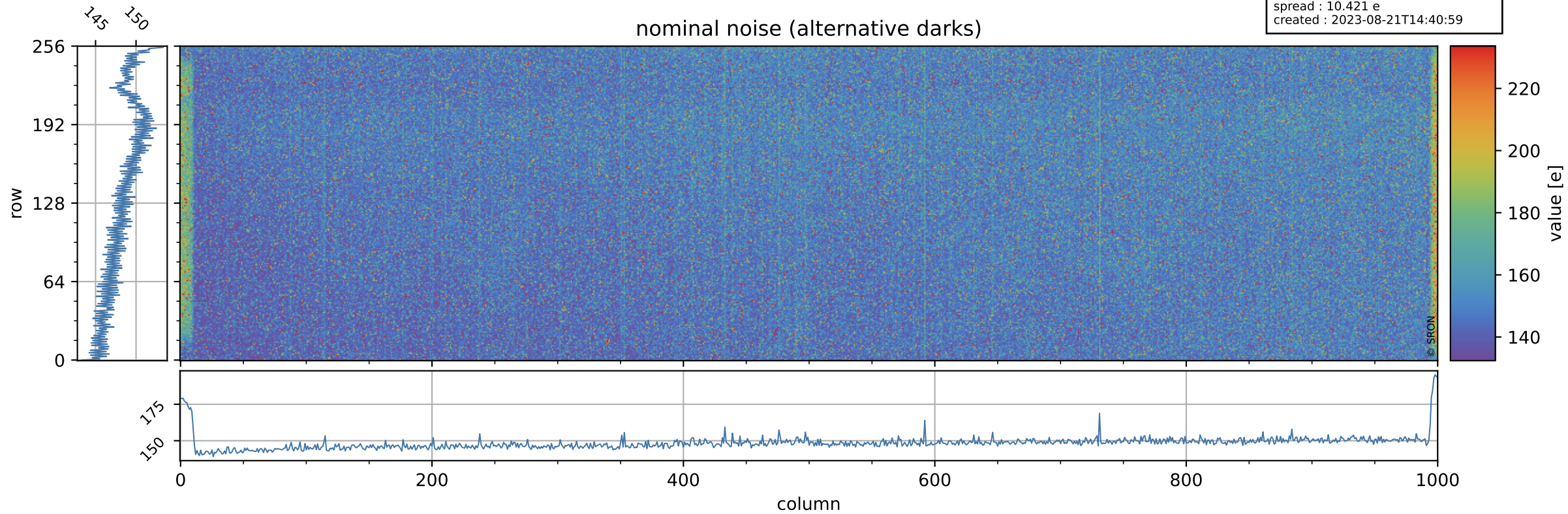


# Tropomi SWIR background noise (swir)

orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
n\_coad, t\_exp : 1, 1.0783  
median : 148.27 e  
spread : 10.421 e  
created : 2023-08-21T14:40:59

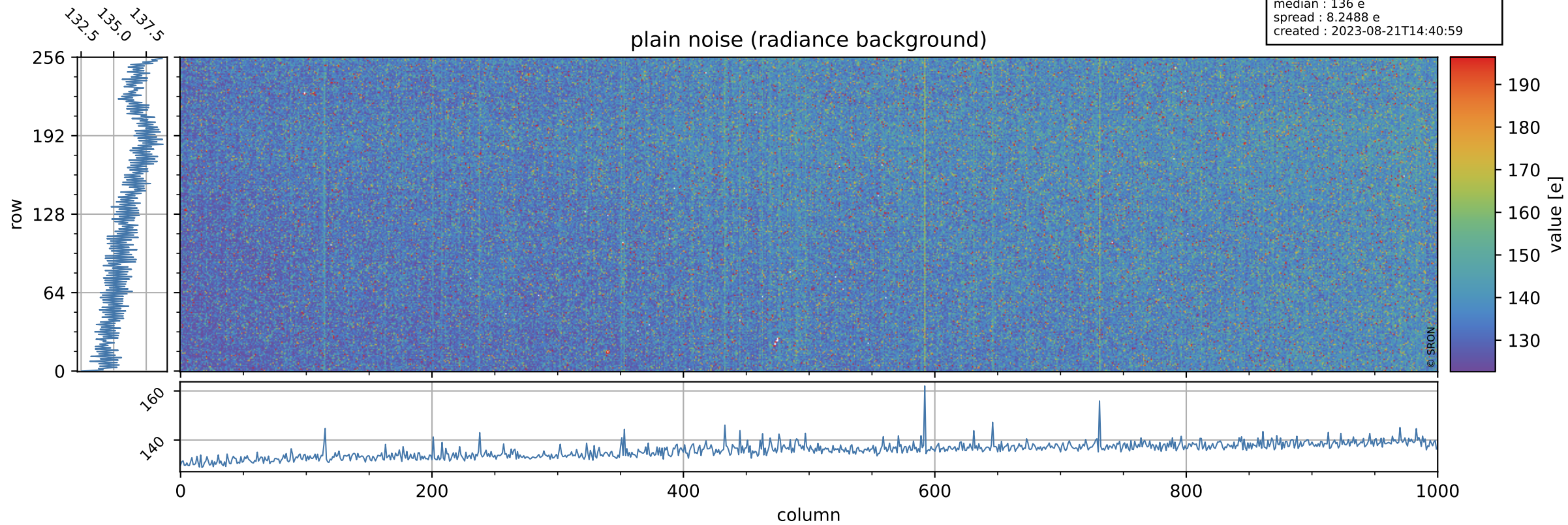
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
n\_coad, t\_exp : 2, 0.5383  
median : 136 e  
spread : 8.2488 e  
created : 2023-08-21T14:40:59

## plain noise (radiance background)

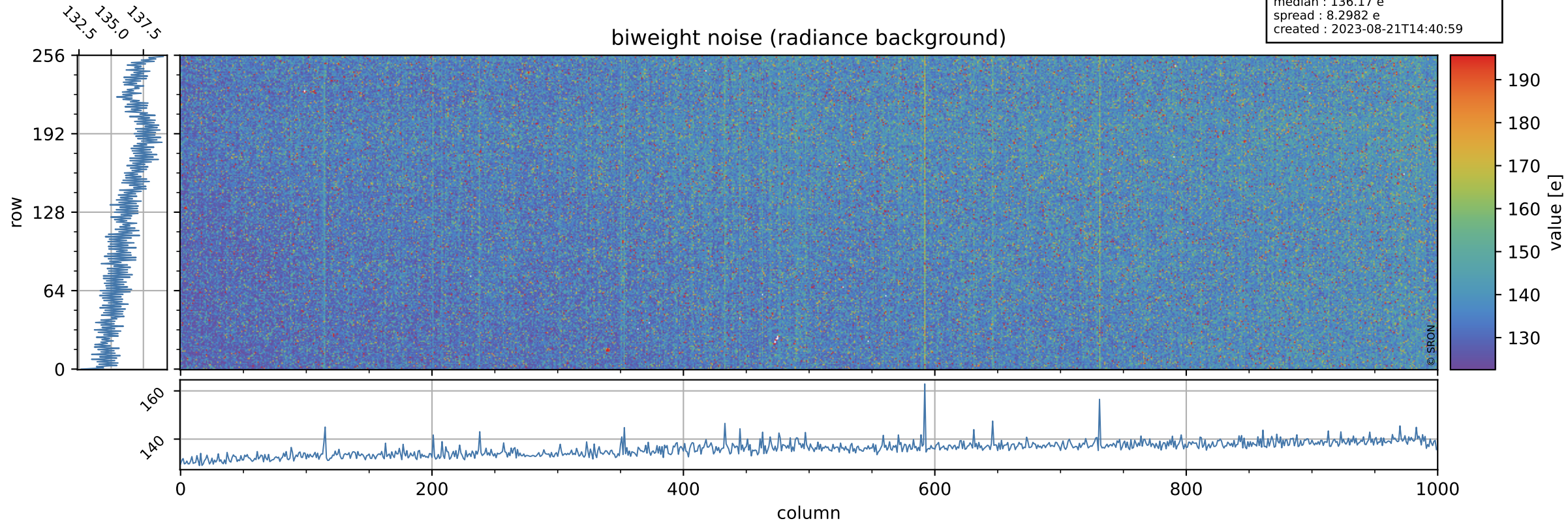




# Tropomi SWIR background noise (swir)

orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.2982 e  
created : 2023-08-21T14:40:59

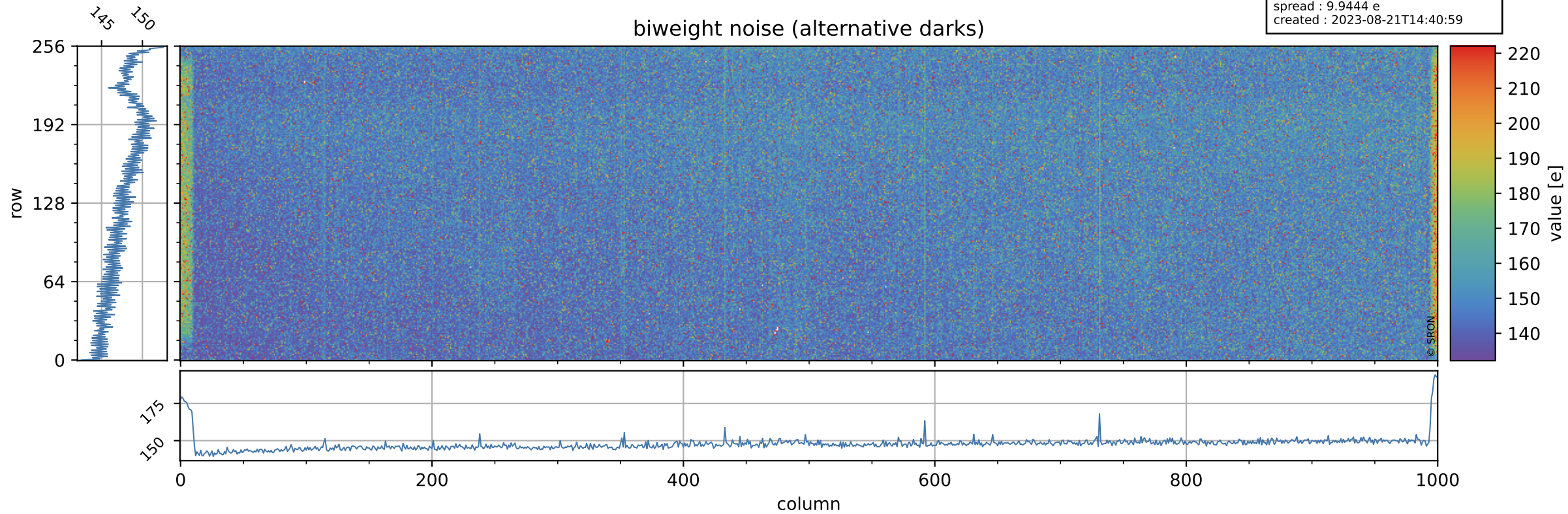
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.9444 e  
created : 2023-08-21T14:40:59

## biweight noise (alternative darks)

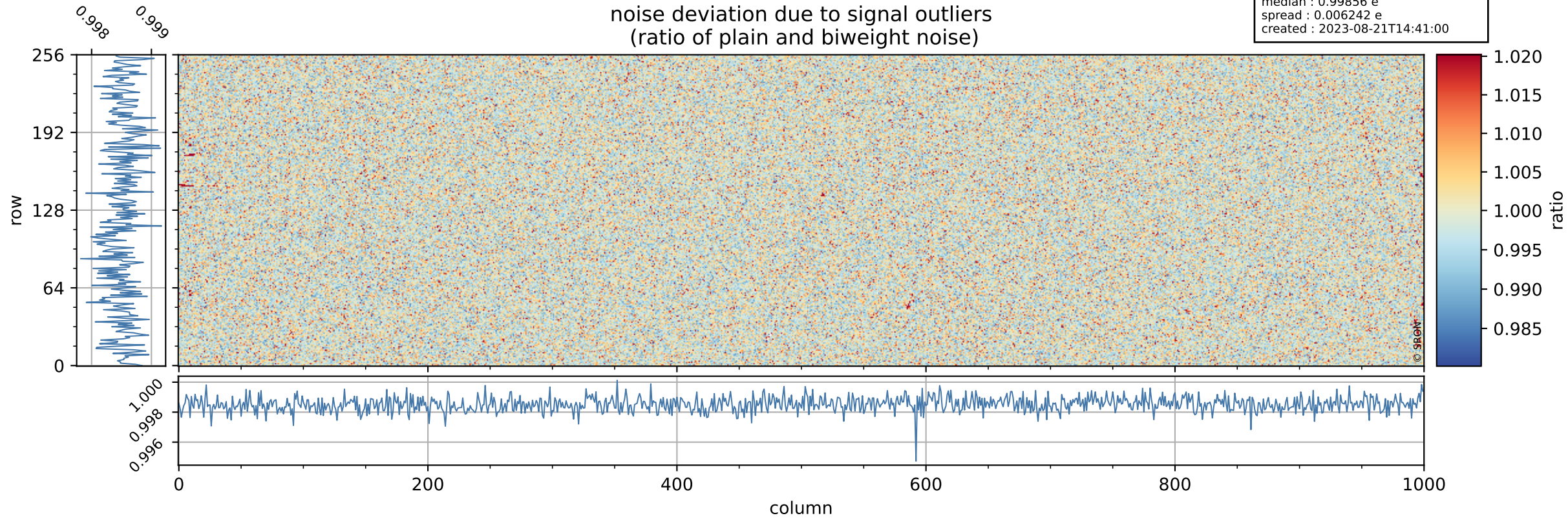




# Tropomi SWIR background noise (swir)

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

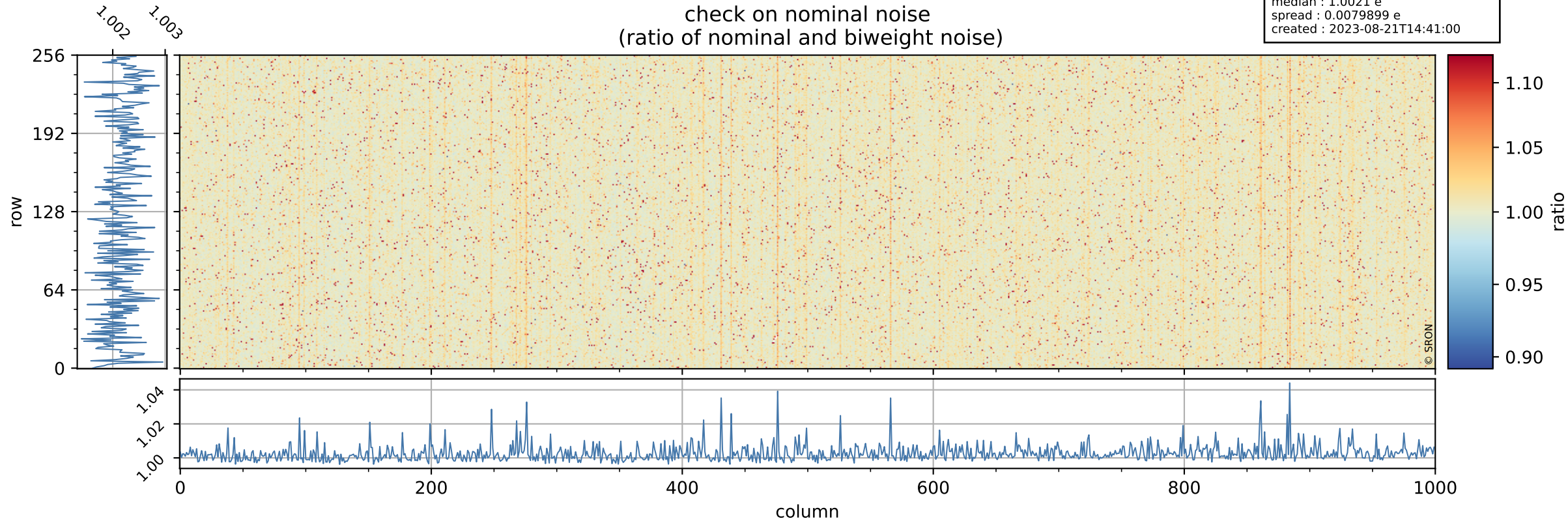
orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
median : 0.99856 e  
spread : 0.006242 e  
created : 2023-08-21T14:41:00



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
median : 1.0021 e  
spread : 0.0079899 e  
created : 2023-08-21T14:41:00

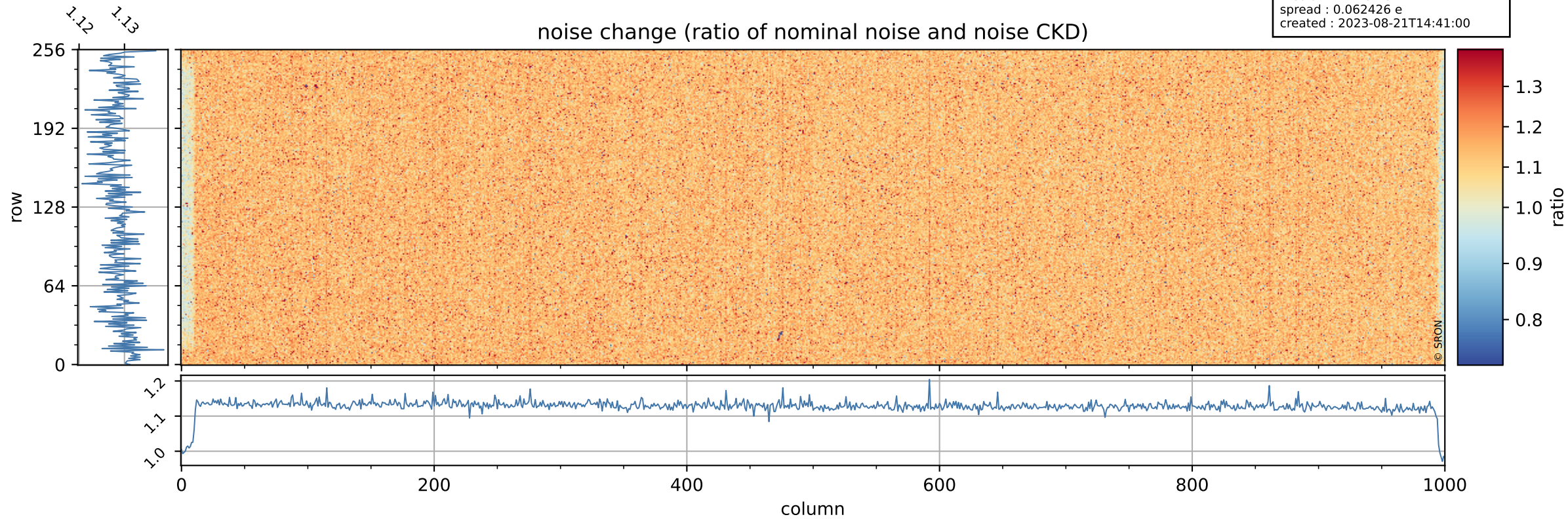




# Tropomi SWIR background noise (swir)

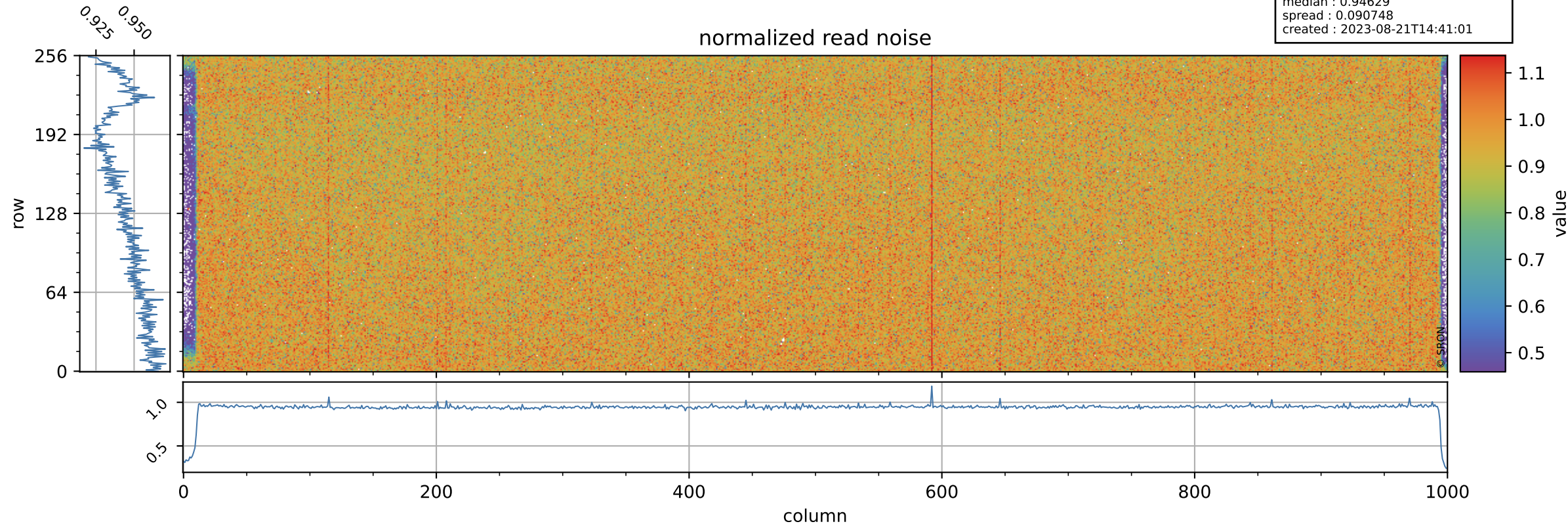
orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
median : 1.1282 e  
spread : 0.062426 e  
created : 2023-08-21T14:41:00

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

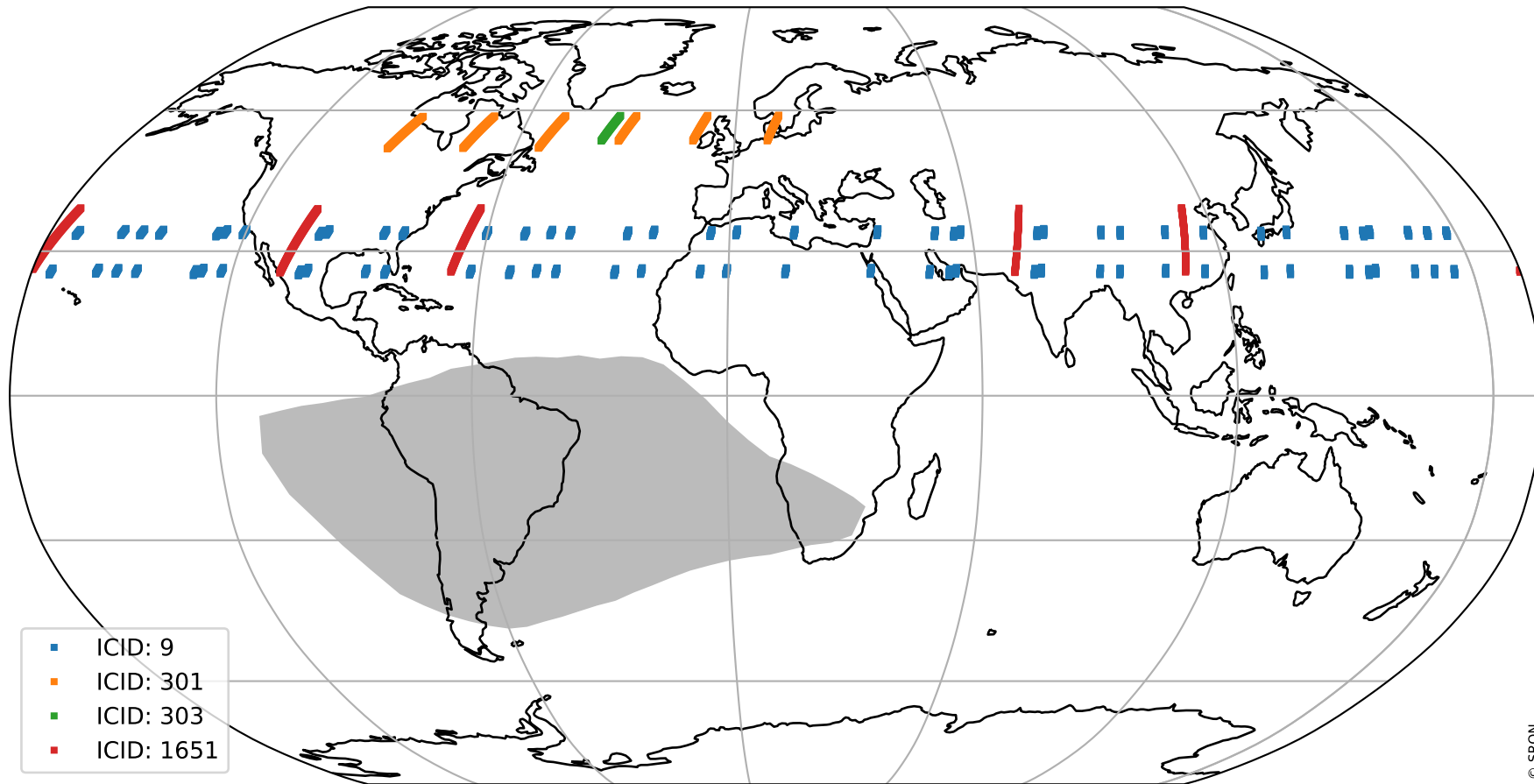
orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
median : 0.94629  
spread : 0.090748  
created : 2023-08-21T14:41:01





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

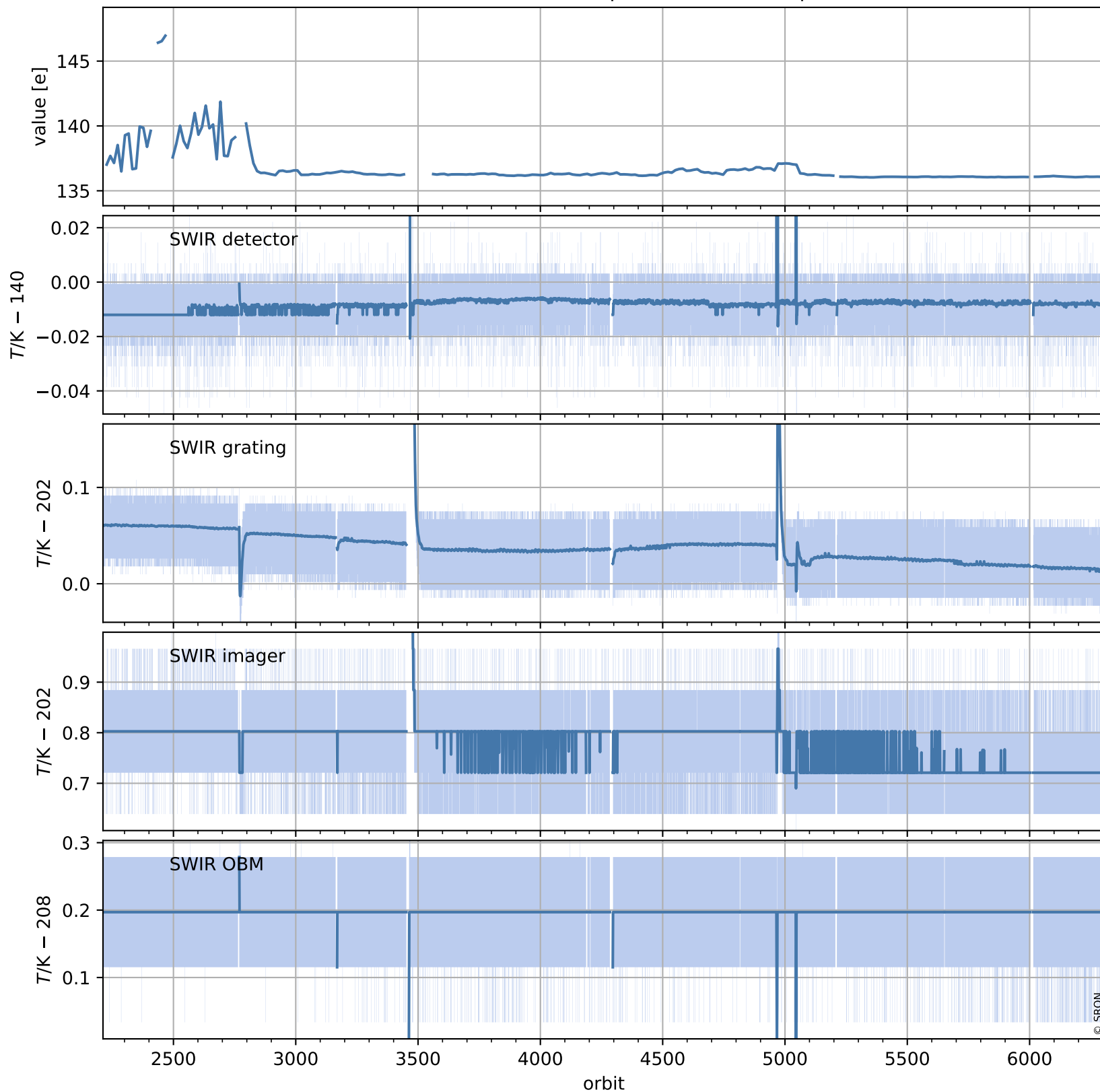
orbits : 12 in [6232, 6307]  
coverage : 2018-12-26 / 2018-12-31  
created : 2023-08-21T14:41:01



# Tropomi SWIR background noise (swir)

orbits : [2212, 6307]  
coverage : 2018-03-18 / 2018-12-31  
created : 2023-08-21T14:41:01

## trend of detector median of plain noise & temperatures





# Tropomi SWIR background noise (swir)

orbits : [2212, 6307]  
coverage : 2018-03-18 / 2018-12-31  
created : 2023-08-21T14:41:02

## trend of detector median of biweight noise & temperatures

