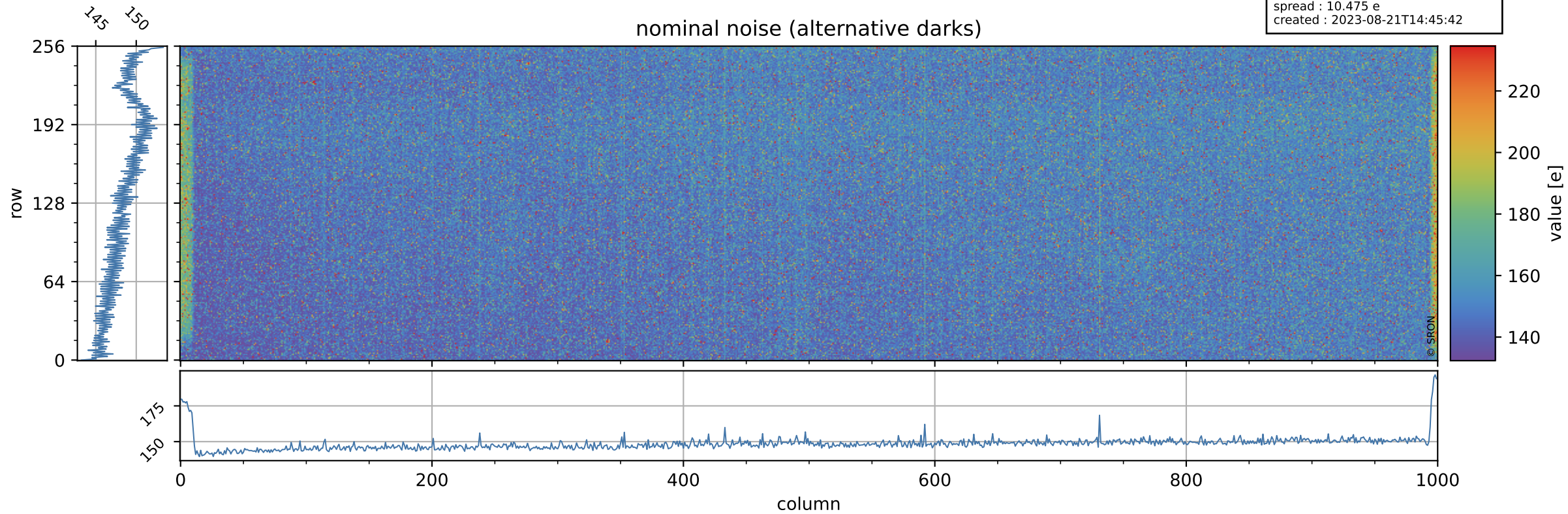


# Tropomi SWIR background noise (swir)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.34 e  
spread : 10.475 e  
created : 2023-08-21T14:45:42

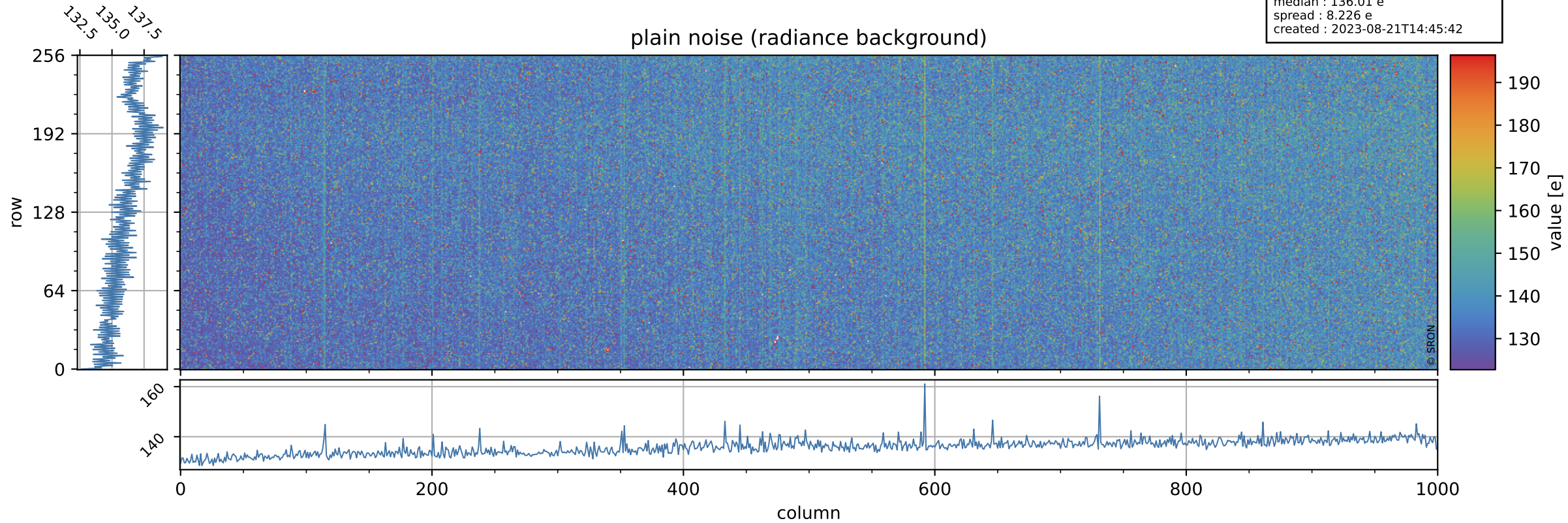
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.01 e  
spread : 8.226 e  
created : 2023-08-21T14:45:42

## plain noise (radiance background)

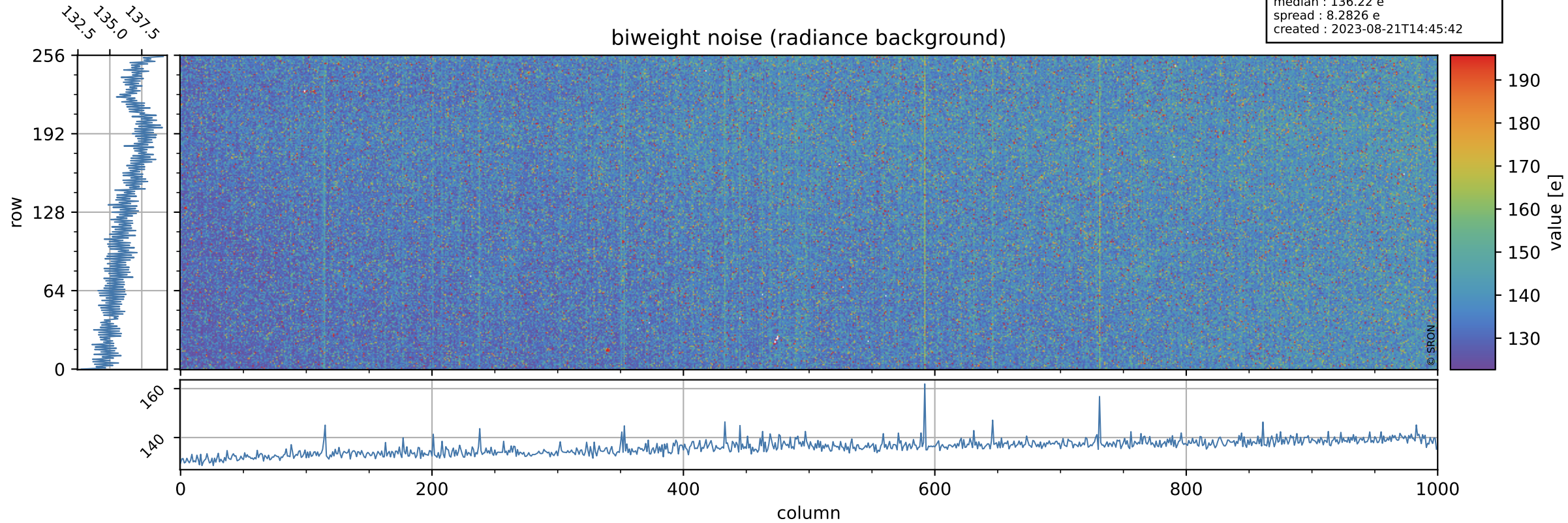




# Tropomi SWIR background noise (swir)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.22 e  
spread : 8.2826 e  
created : 2023-08-21T14:45:42

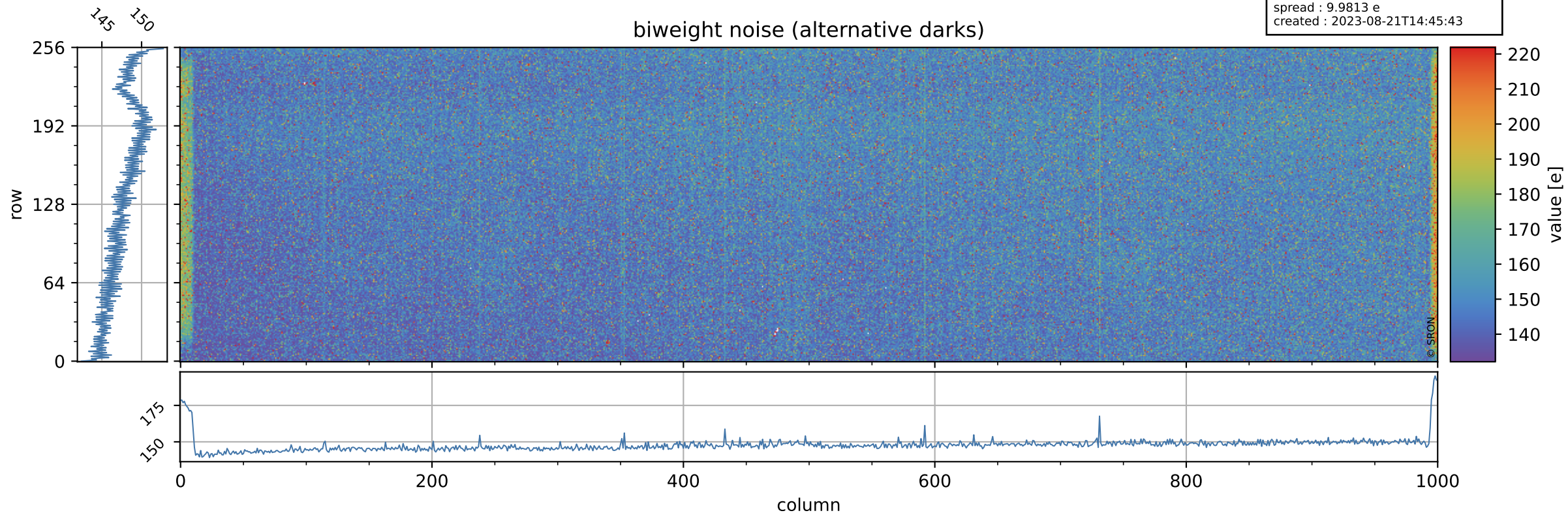
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 9.9813 e  
created : 2023-08-21T14:45:43

## biweight noise (alternative darks)

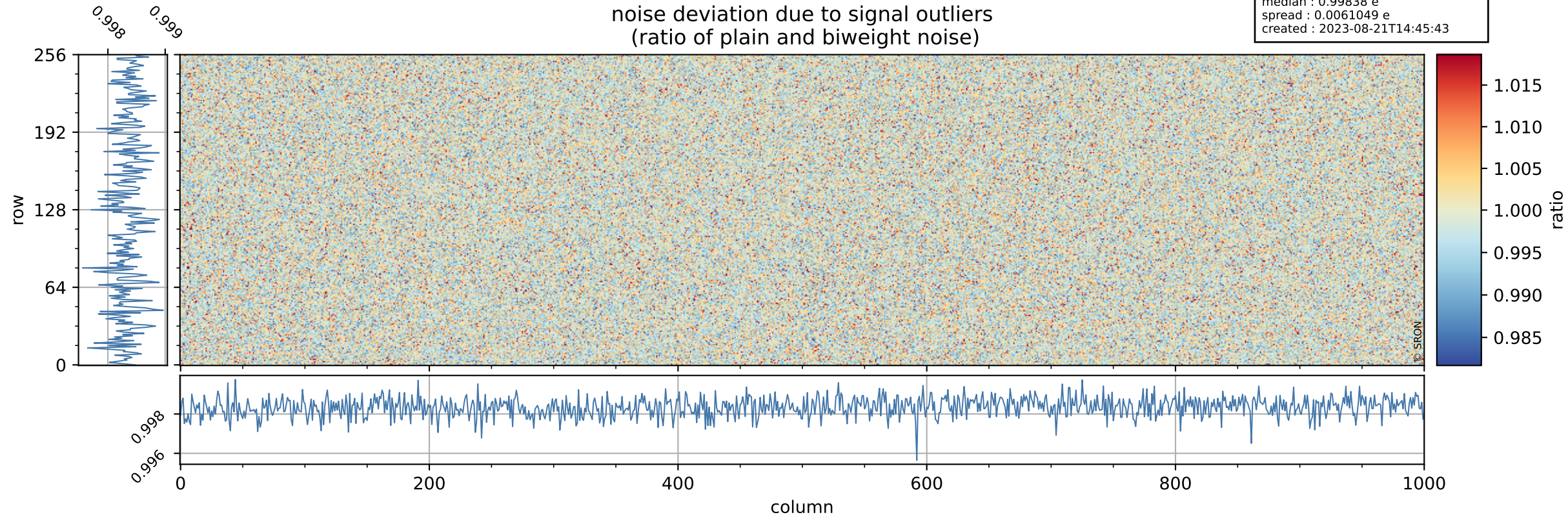




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
median : 0.99838 e  
spread : 0.0061049 e  
created : 2023-08-21T14:45:43

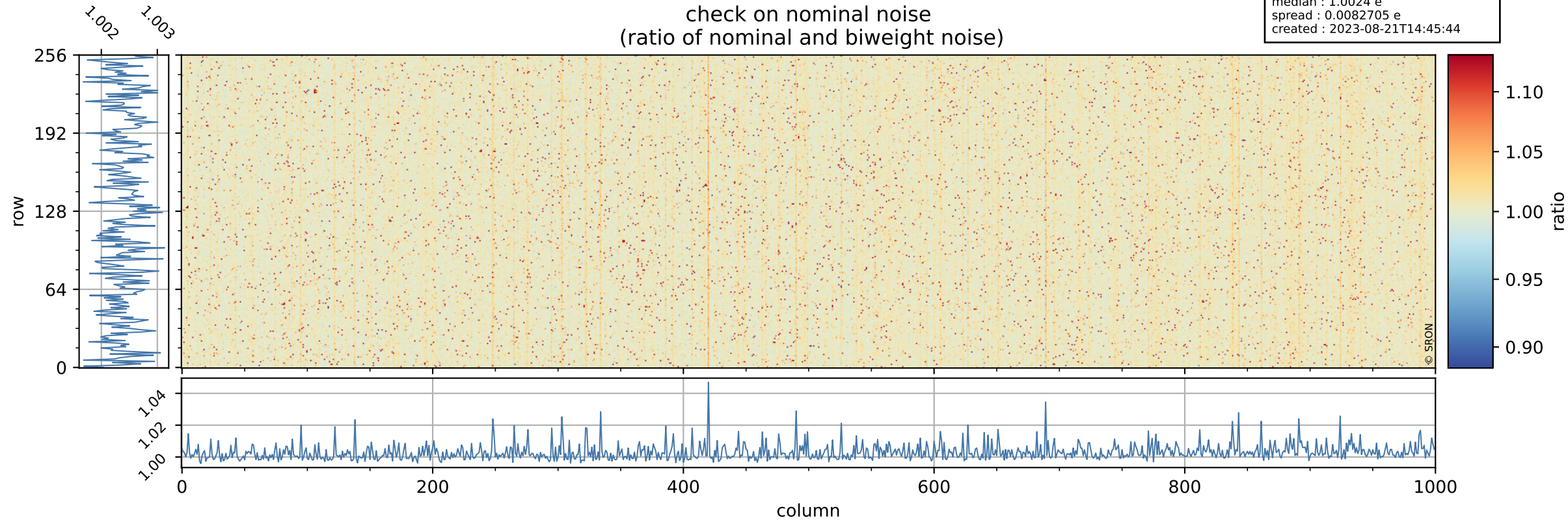




# Tropomi SWIR background noise (swir)

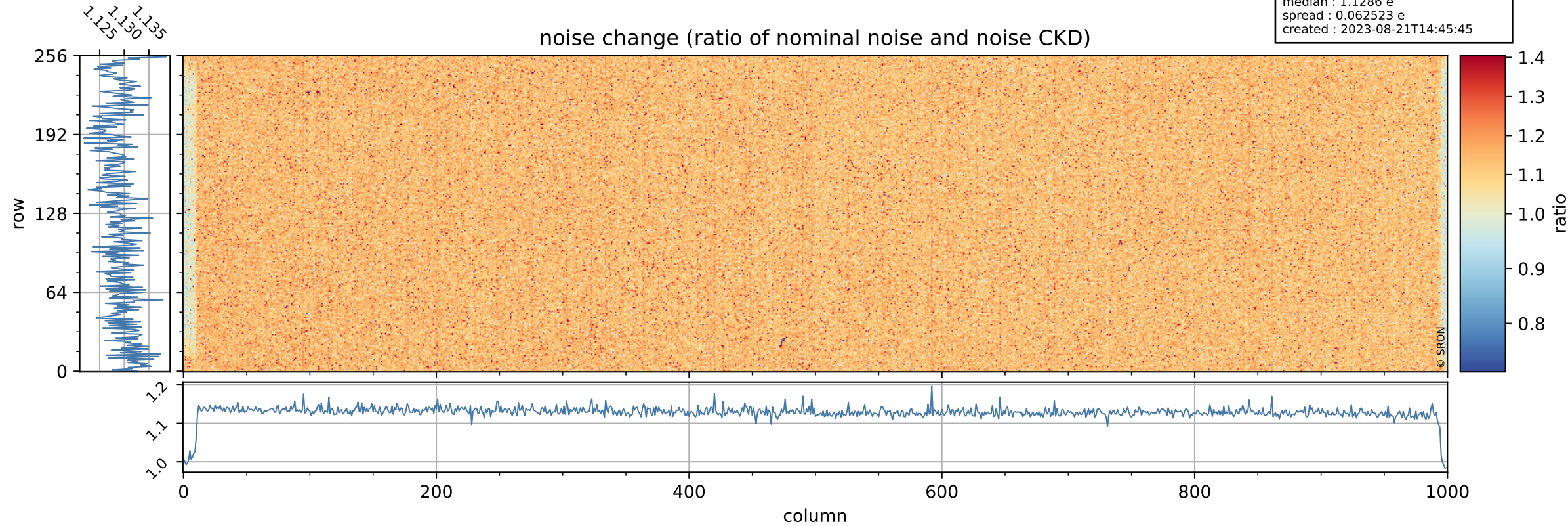
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
median : 1.0024 e  
spread : 0.0082705 e  
created : 2023-08-21T14:45:44



# Tropomi SWIR background noise (swir)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
median : 1.1286 e  
spread : 0.062523 e  
created : 2023-08-21T14:45:45

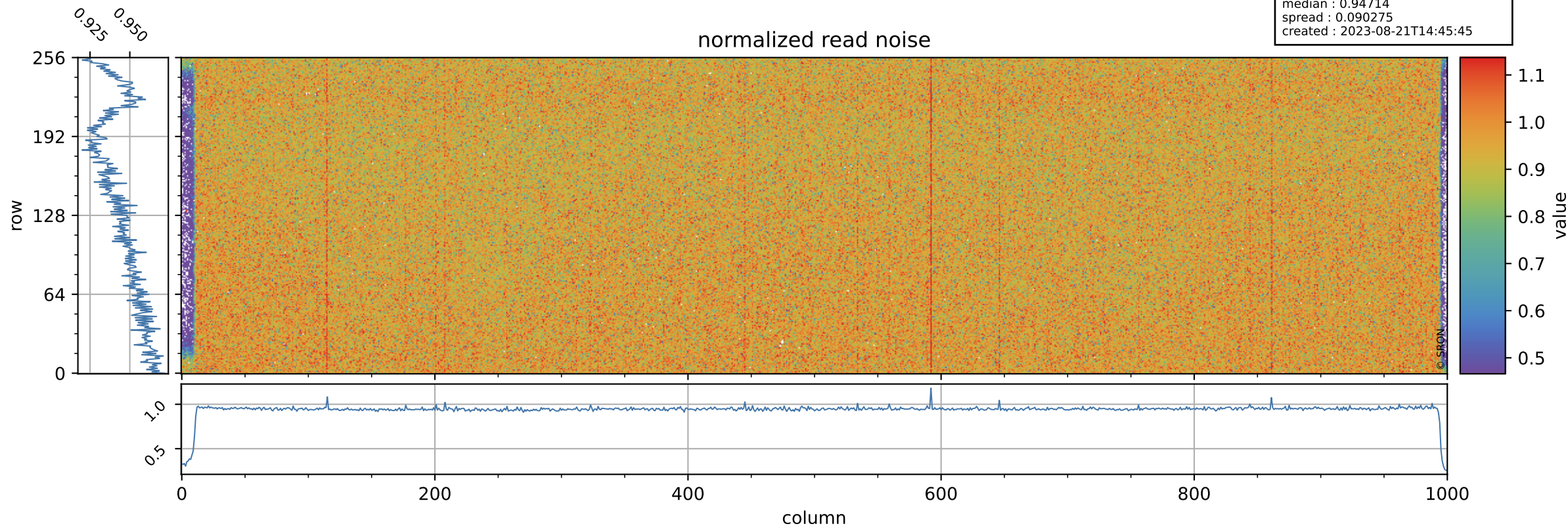




# Tropomi SWIR background noise (swir)

orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
median : 0.94714  
spread : 0.090275  
created : 2023-08-21T14:45:45

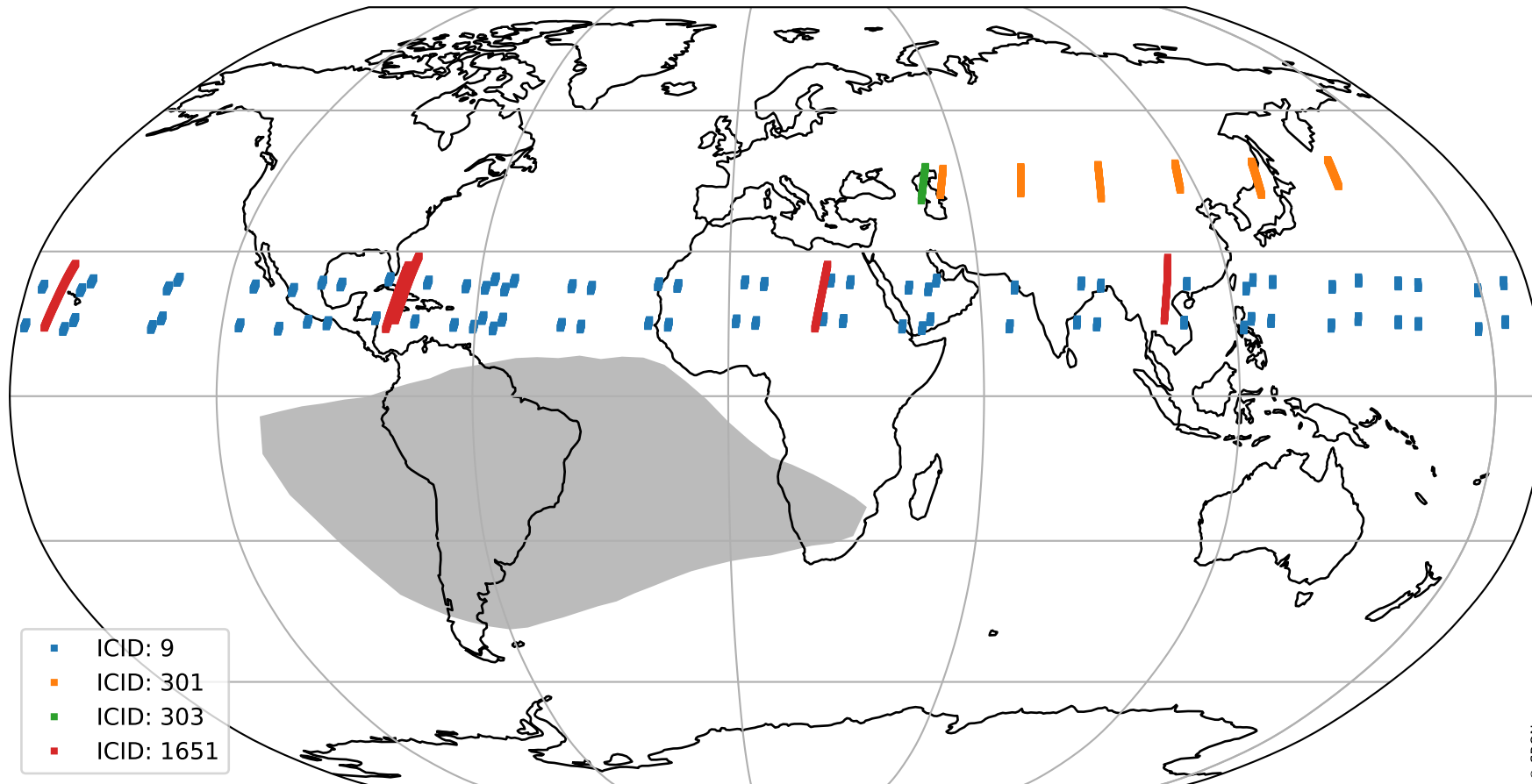
## normalized read noise





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

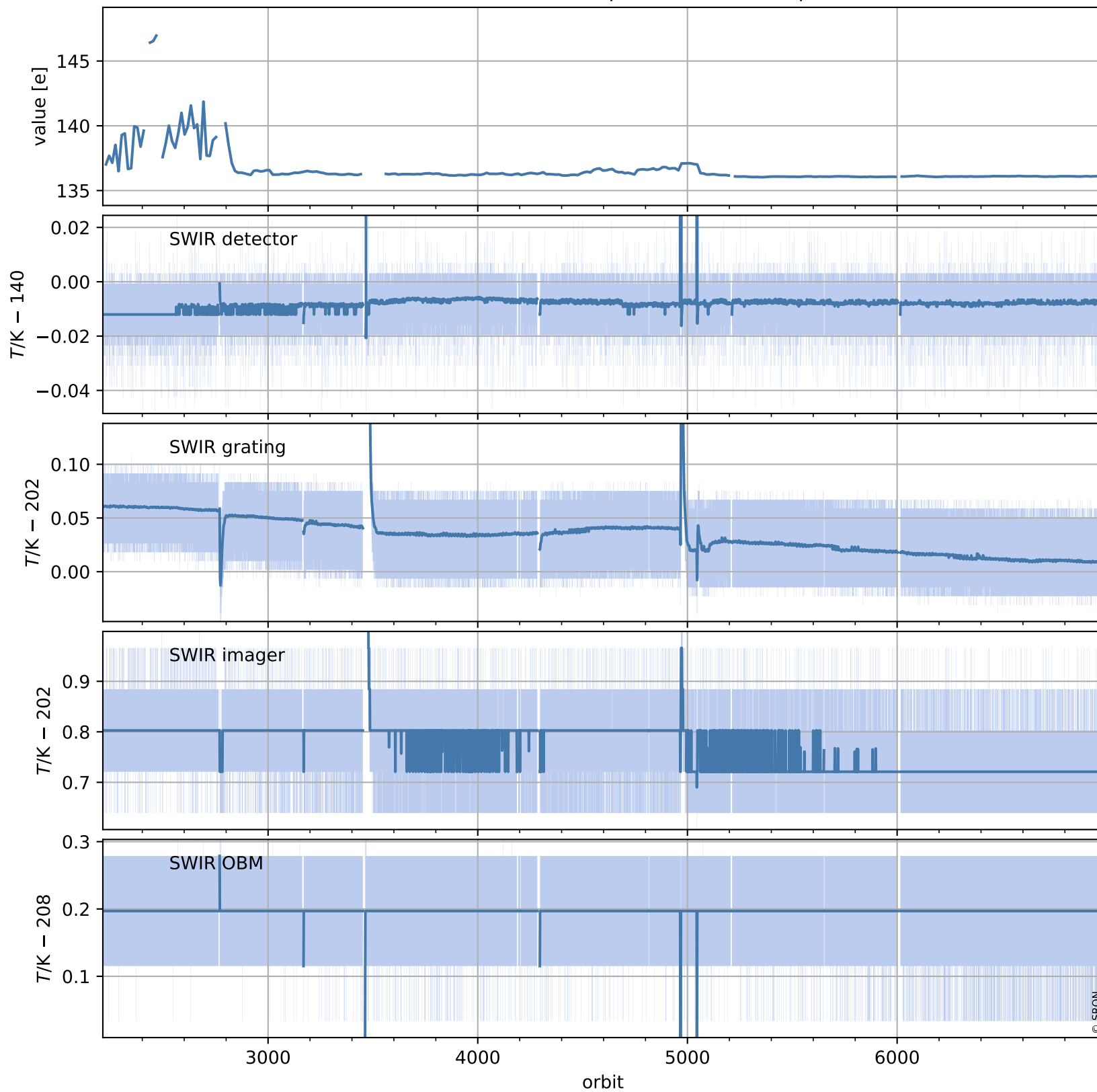
orbits : 12 in [6892, 6982]  
coverage : 2019-02-11 / 2019-02-17  
created : 2023-08-21T14:45:45



# Tropomi SWIR background noise (swir)

orbits : [2212, 6982]  
coverage : 2018-03-18 / 2019-02-17  
created : 2023-08-21T14:45:46

## trend of detector median of plain noise & temperatures

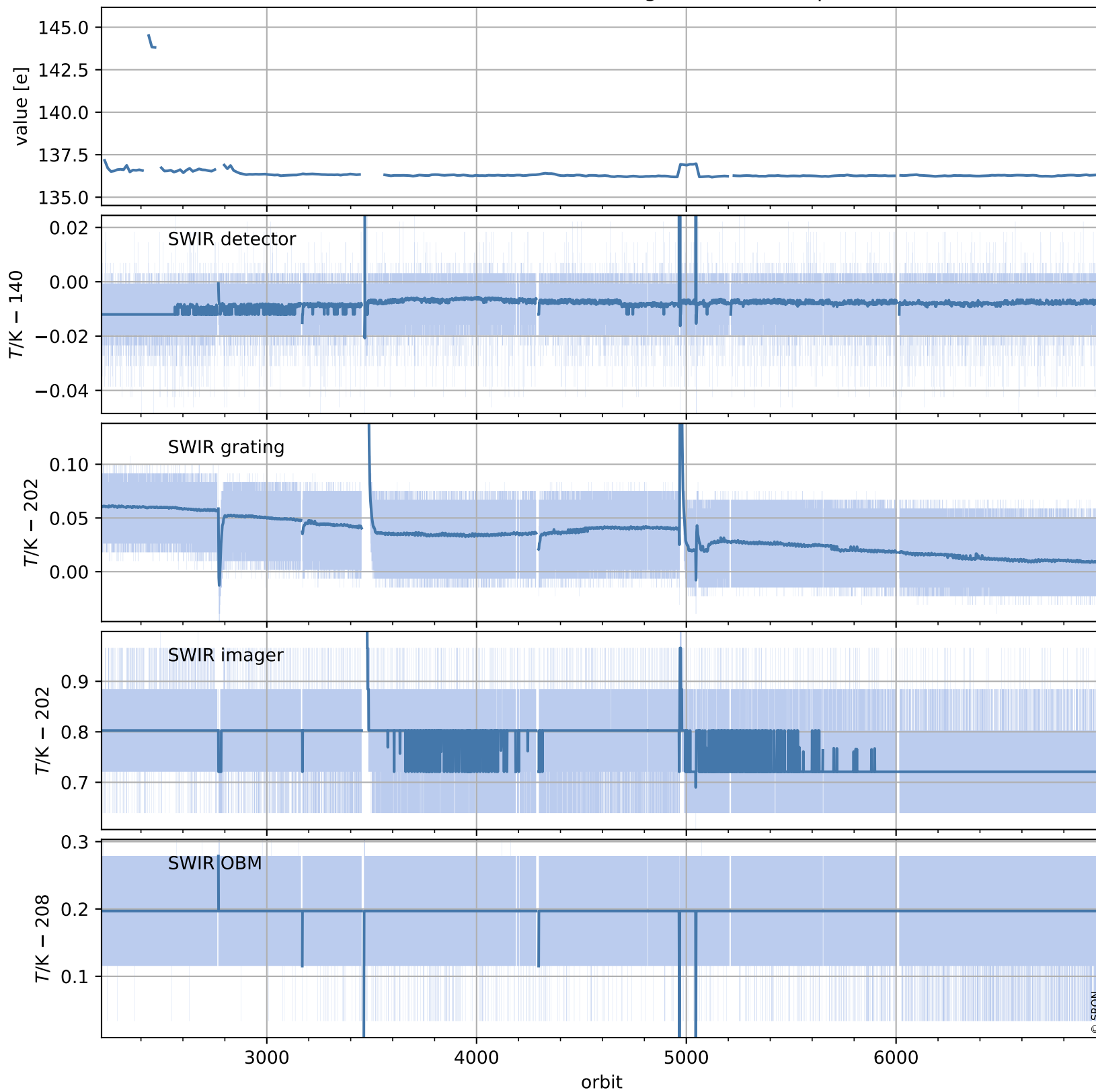




# Tropomi SWIR background noise (swir)

orbits : [2212, 6982]  
coverage : 2018-03-18 / 2019-02-17  
created : 2023-08-21T14:45:47

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6982]  
coverage : 2018-03-18 / 2019-02-17  
created : 2023-08-21T14:45:47

## trend of normalized read-noise & temperatures

