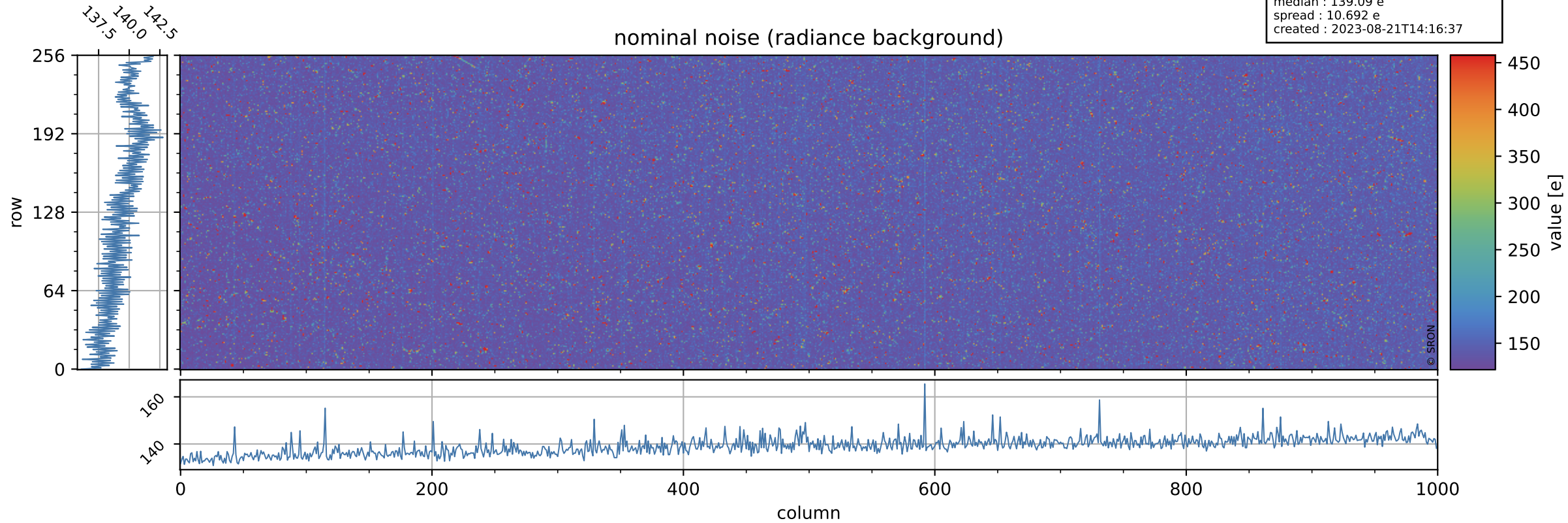


# Tropomi SWIR background noise (swir)

orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
n\_coad, t\_exp : 2, 0.5383  
median : 139.09 e  
spread : 10.692 e  
created : 2023-08-21T14:16:37

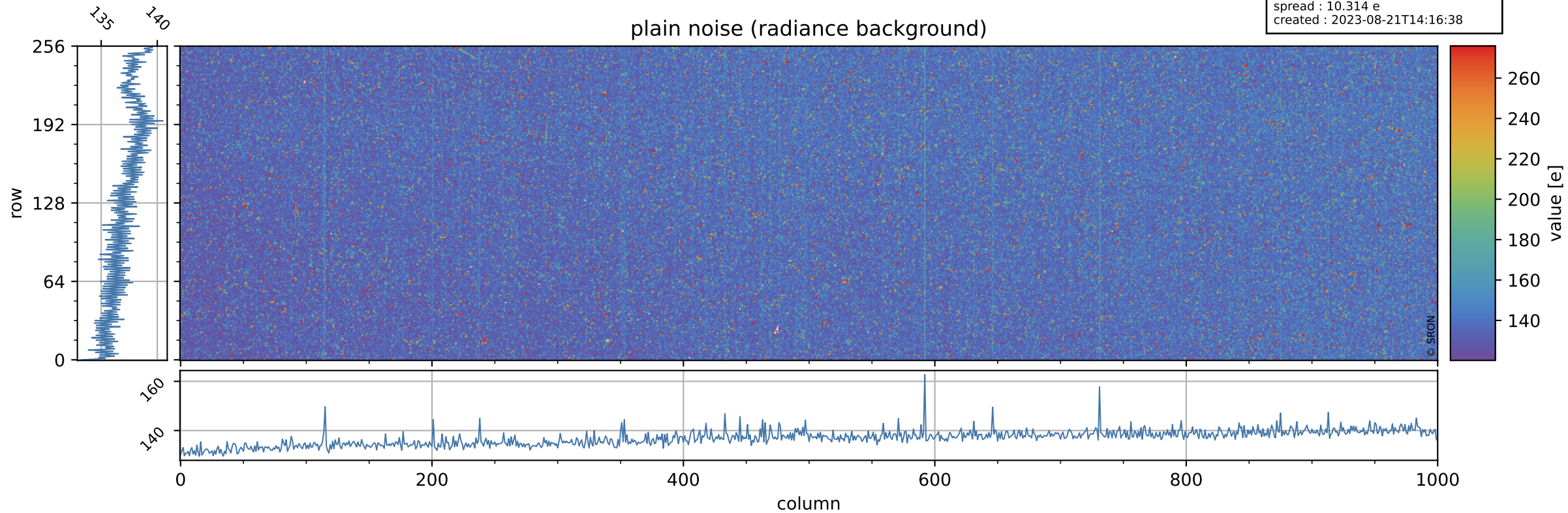
nominal noise (radiance background)



# Tropomi SWIR background noise (swir)

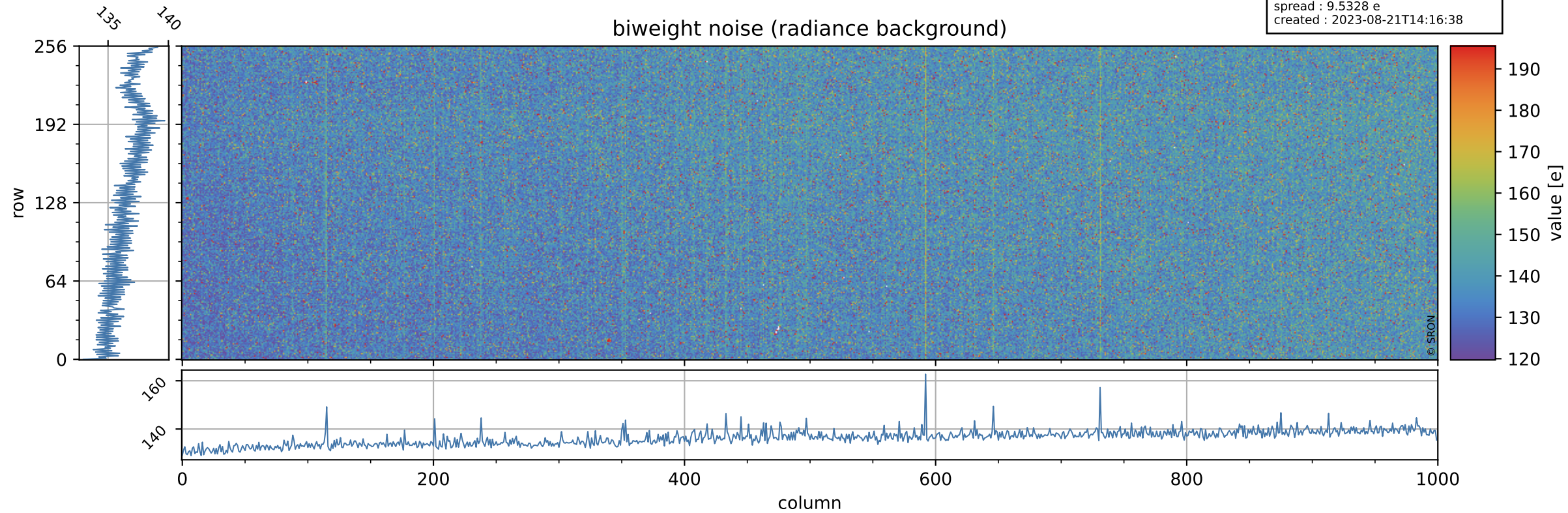
orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
n\_coad, t\_exp : 2, 0.5383  
median : 136.86 e  
spread : 10.314 e  
created : 2023-08-21T14:16:38

## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

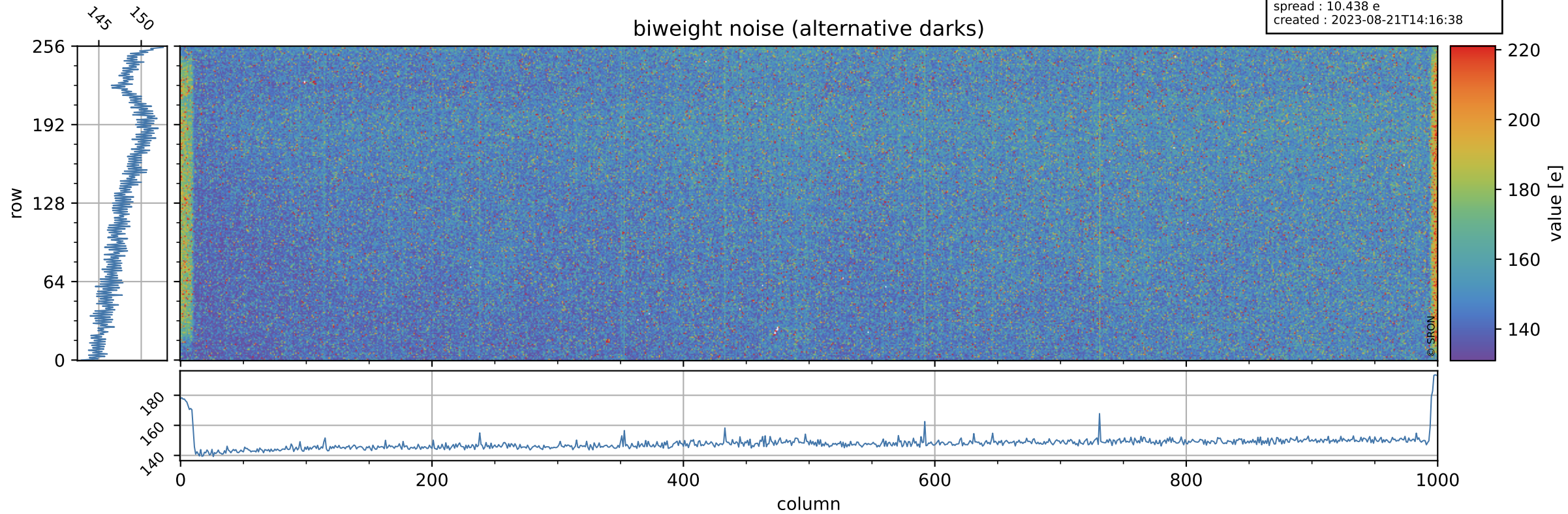
orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
n\_coad, t\_exp : 2, 0.5383  
median : 136.4 e  
spread : 9.5328 e  
created : 2023-08-21T14:16:38



# Tropomi SWIR background noise (swir)

orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.438 e  
created : 2023-08-21T14:16:38

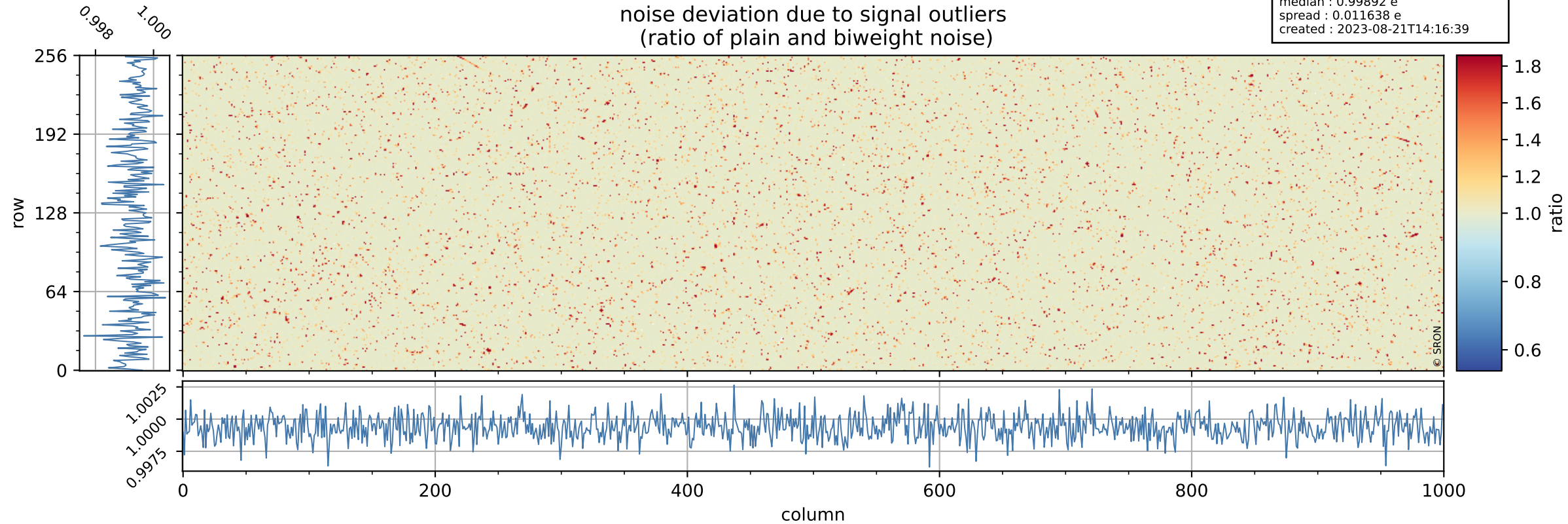
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

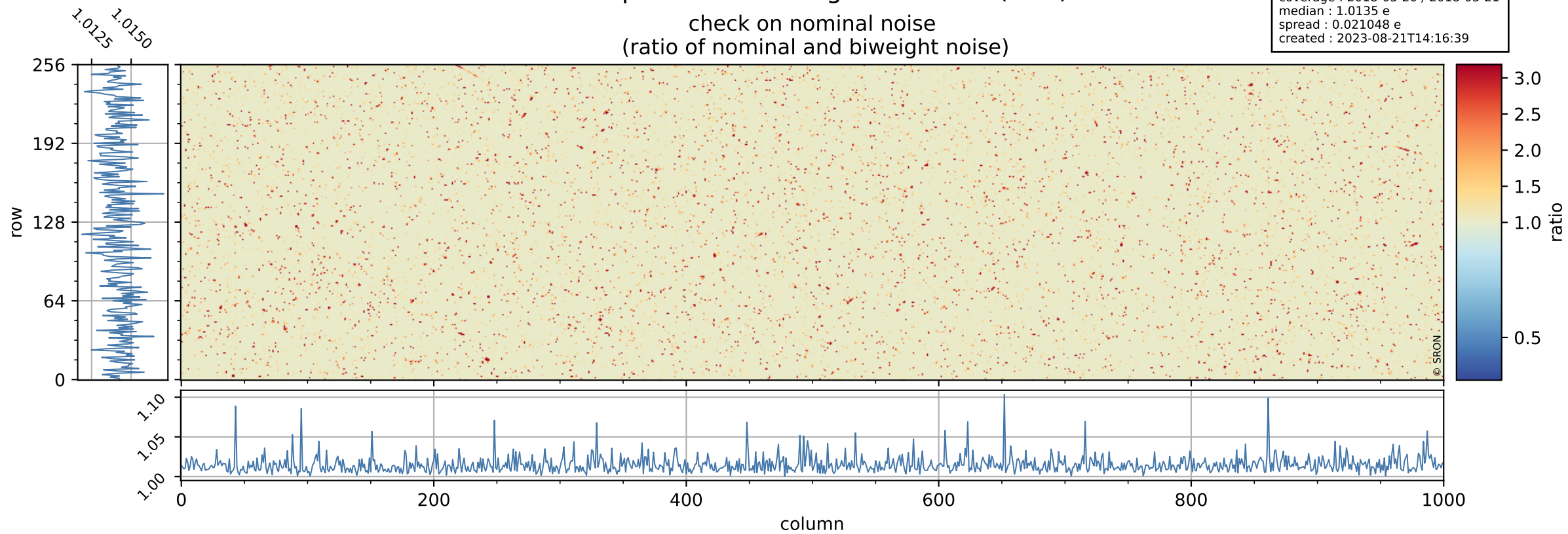
orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
median : 0.99892 e  
spread : 0.011638 e  
created : 2023-08-21T14:16:39



# Tropomi SWIR background noise (swir)

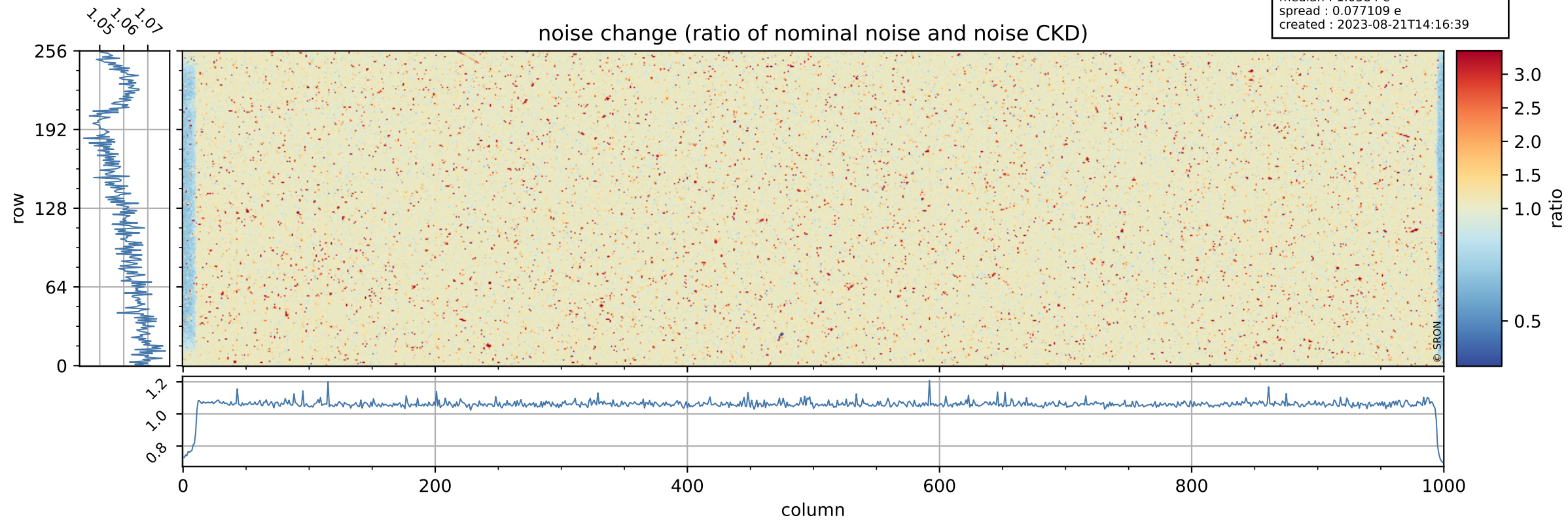
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
median : 1.0135 e  
spread : 0.021048 e  
created : 2023-08-21T14:16:39



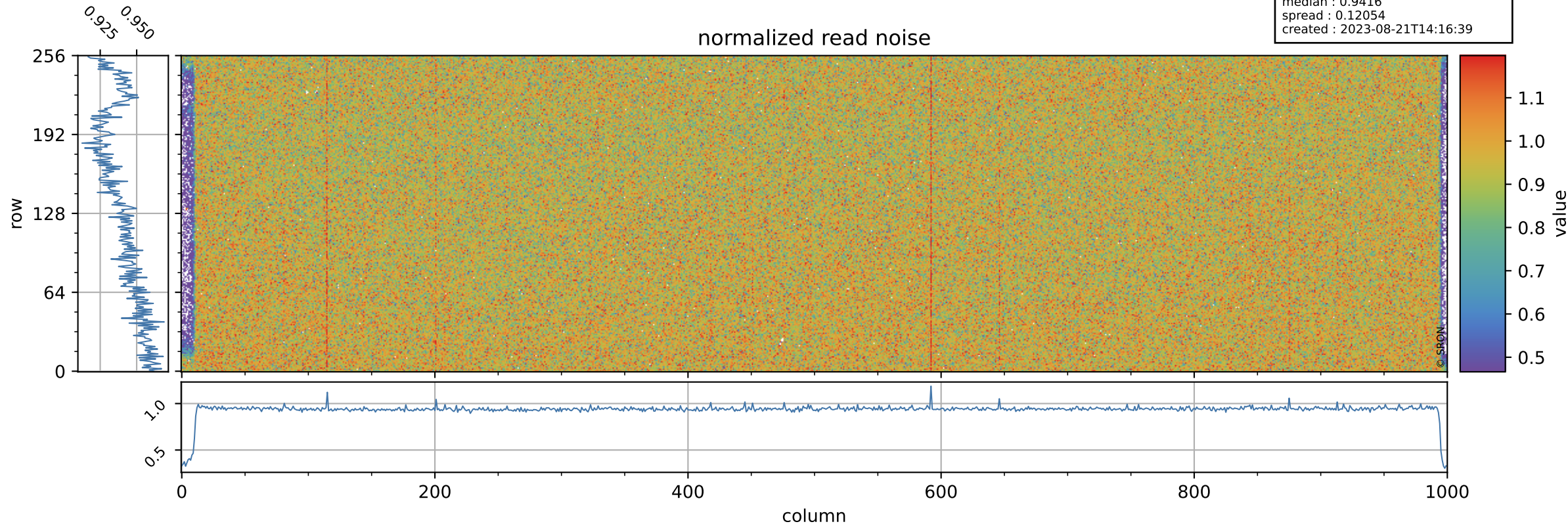
# Tropomi SWIR background noise (swir)

orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
median : 1.0584 e  
spread : 0.077109 e  
created : 2023-08-21T14:16:39



# Tropomi SWIR background noise (swir)

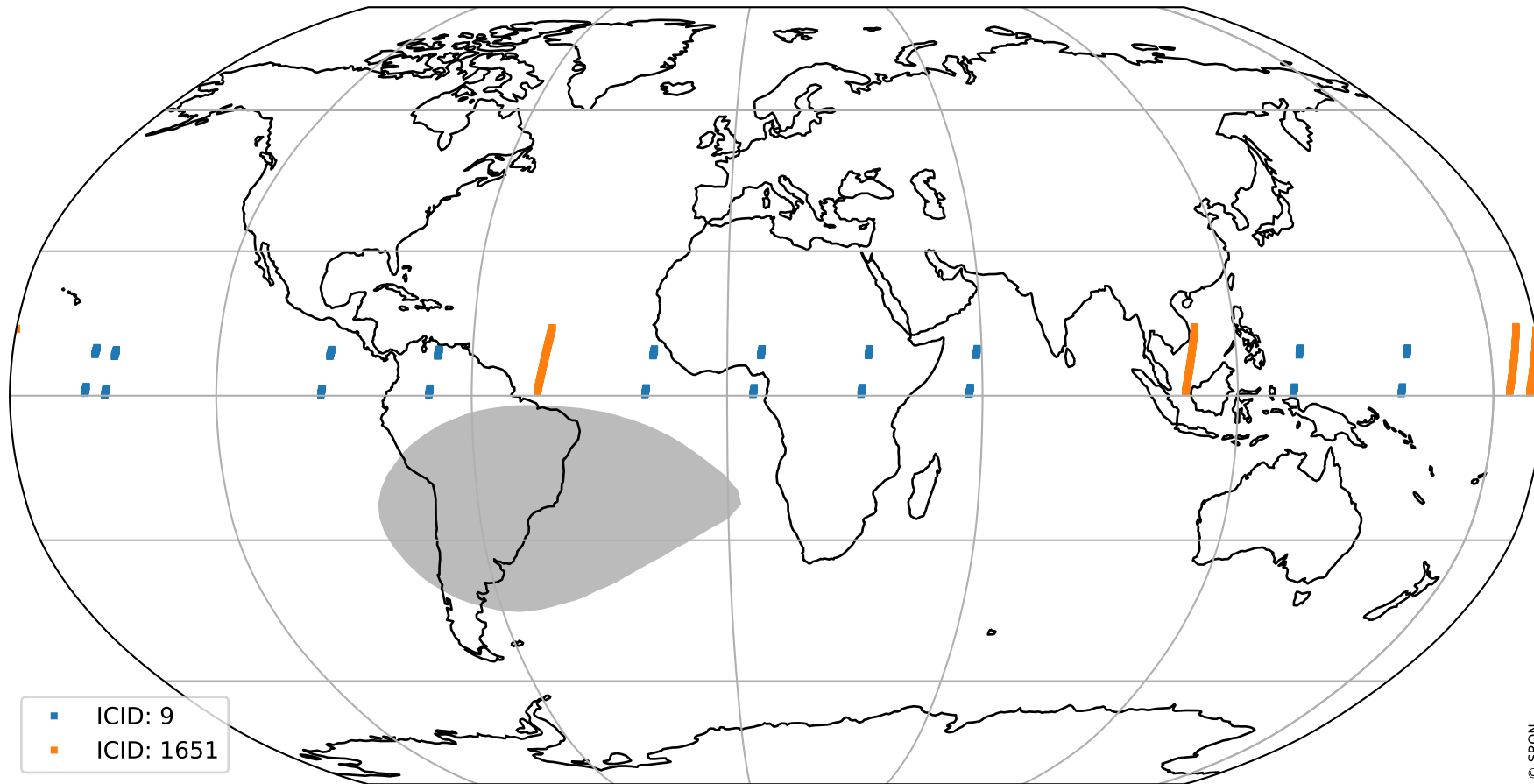
orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
median : 0.9416  
spread : 0.12054  
created : 2023-08-21T14:16:39





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

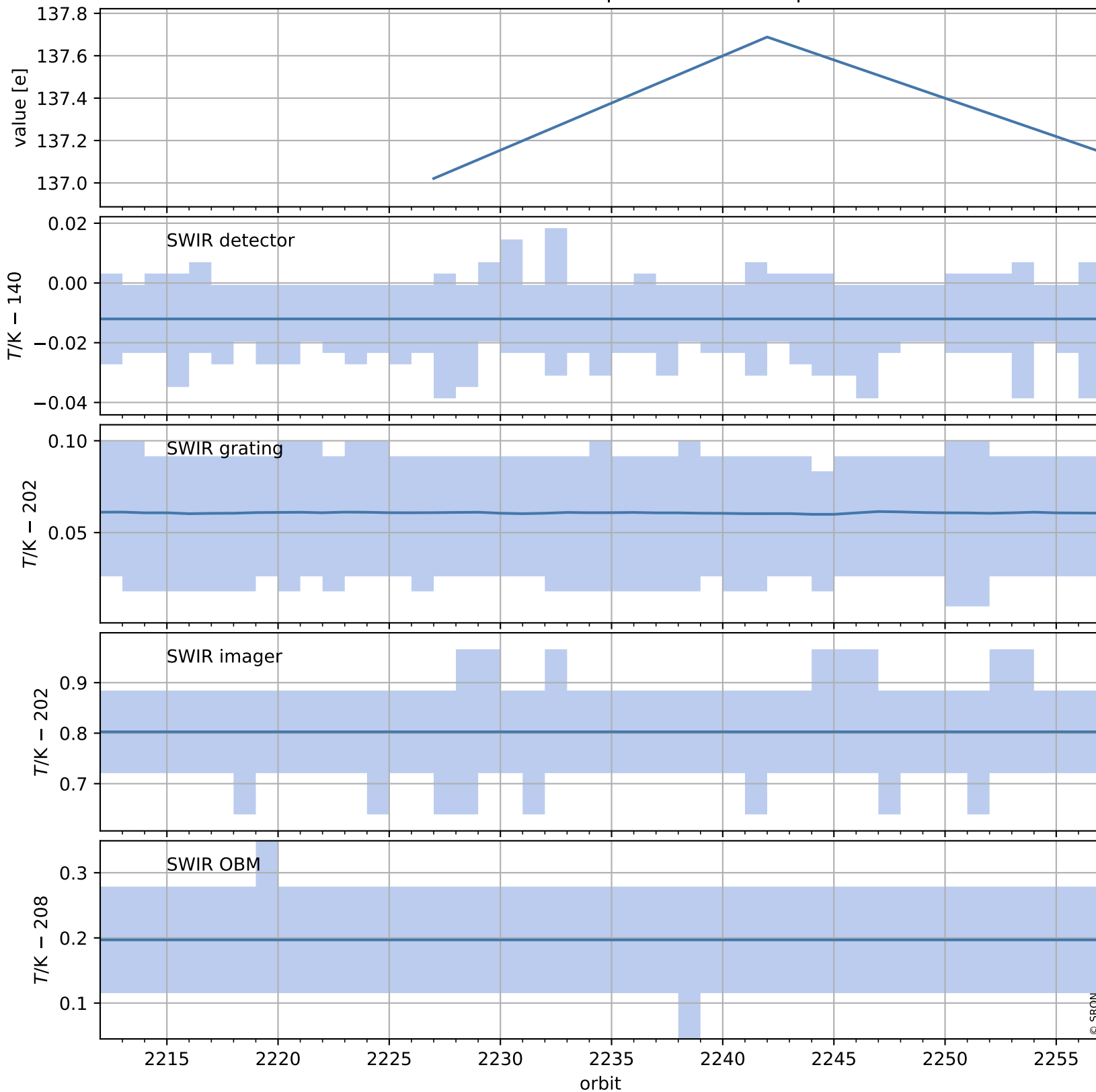
orbits : 10 in [2242, 2257]  
coverage : 2018-03-20 / 2018-03-21  
created : 2023-08-21T14:16:40



# Tropomi SWIR background noise (swir)

orbits : [2212, 2257]  
coverage : 2018-03-18 / 2018-03-21  
created : 2023-08-21T14:16:40

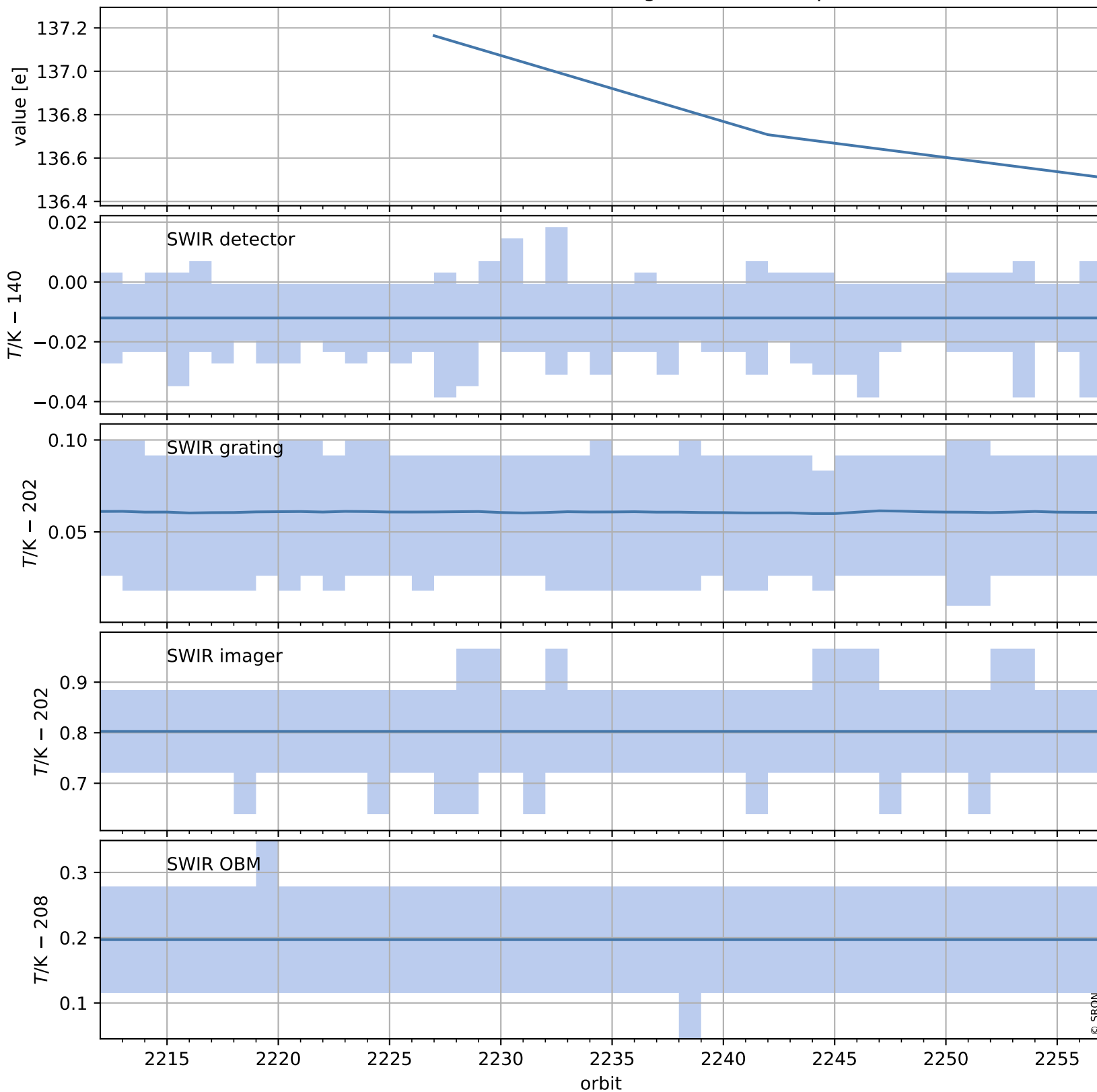
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2257]  
coverage : 2018-03-18 / 2018-03-21  
created : 2023-08-21T14:16:40

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2257]  
coverage : 2018-03-18 / 2018-03-21  
created : 2023-08-21T14:16:41

## trend of normalized read-noise & temperatures

