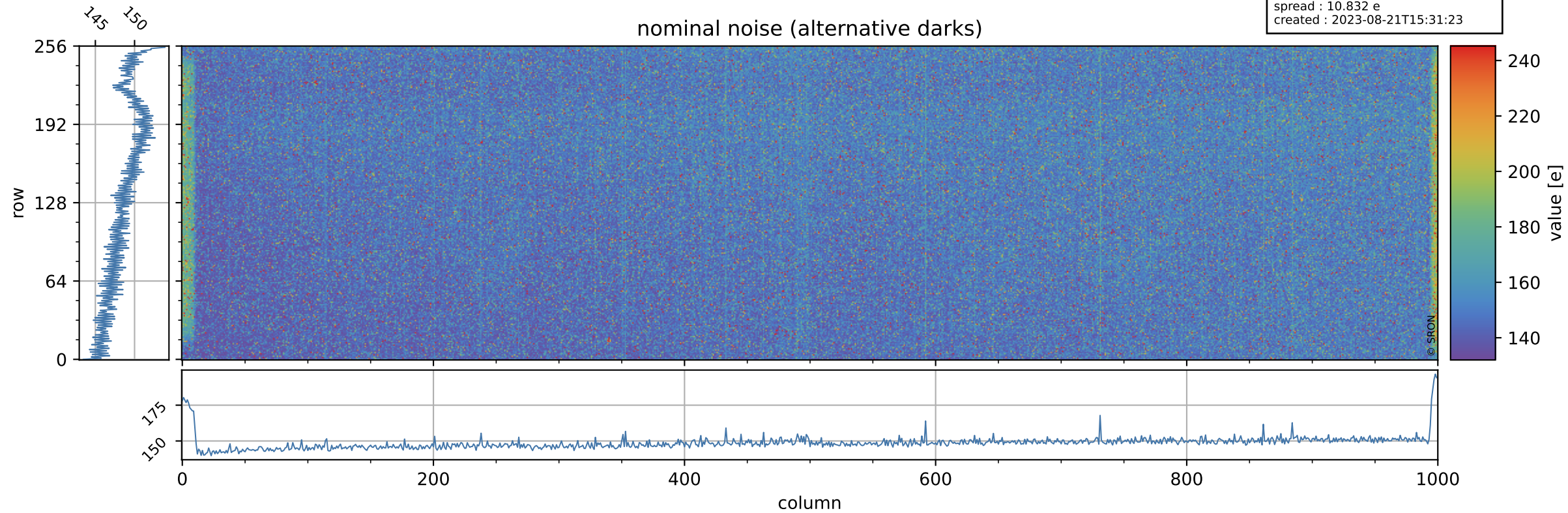


# Tropomi SWIR background noise (swir)

orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.832 e  
created : 2023-08-21T15:31:23

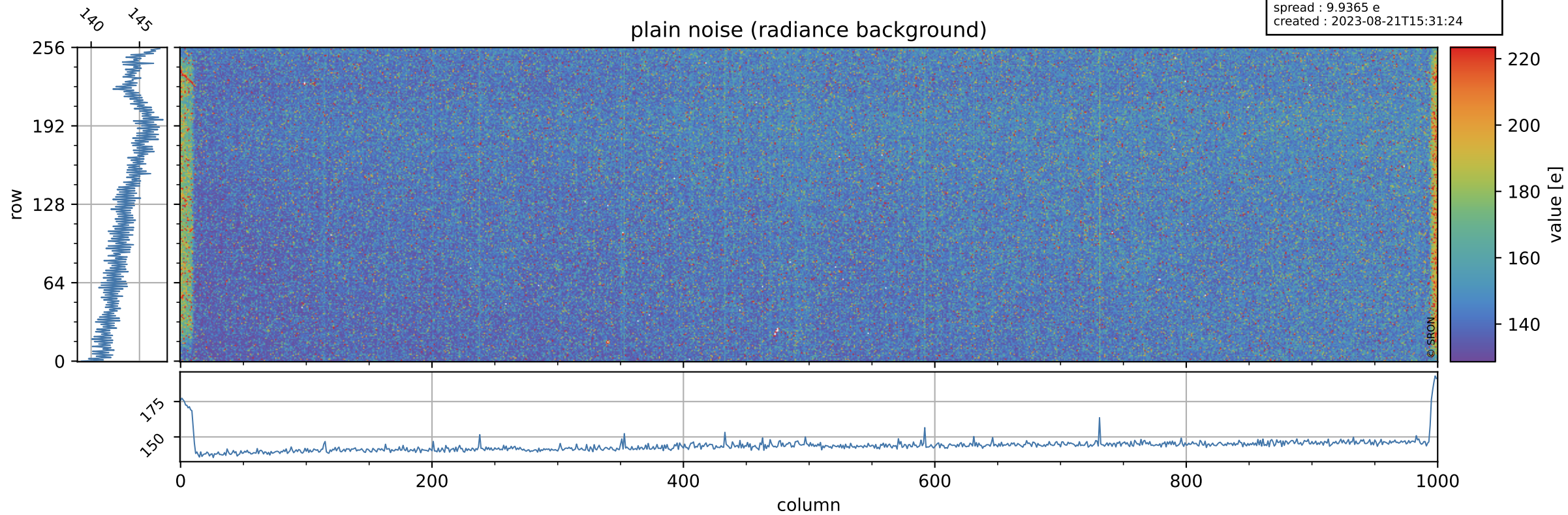
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.59 e  
spread : 9.9365 e  
created : 2023-08-21T15:31:24

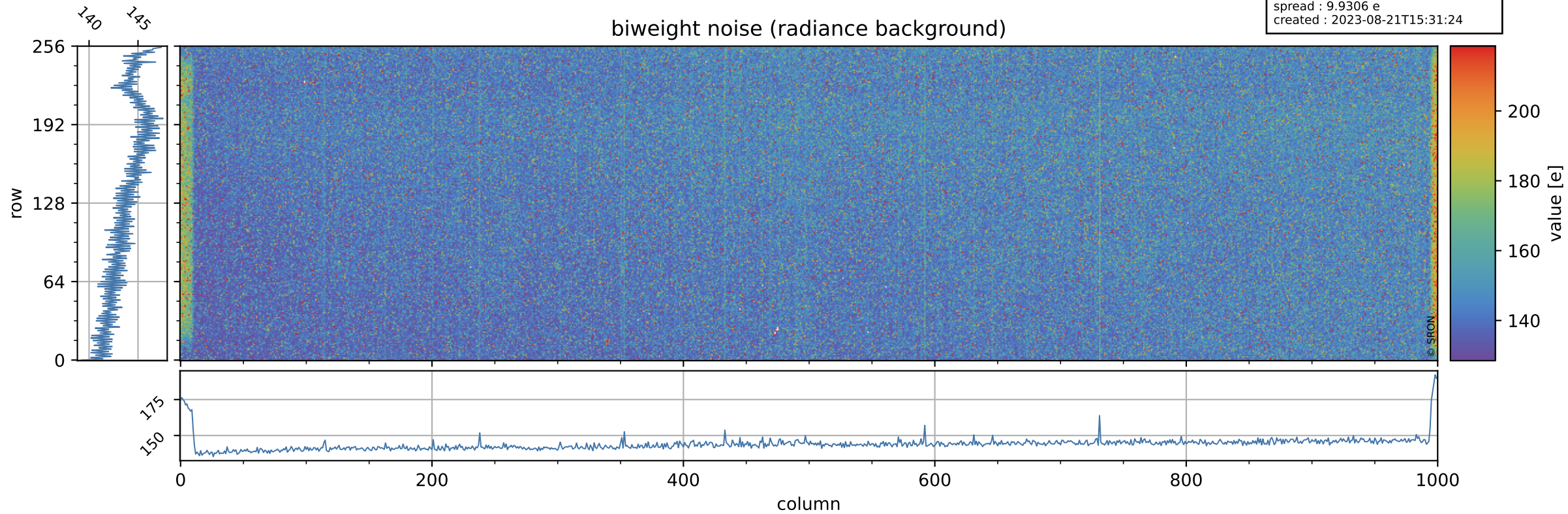
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.9306 e  
created : 2023-08-21T15:31:24

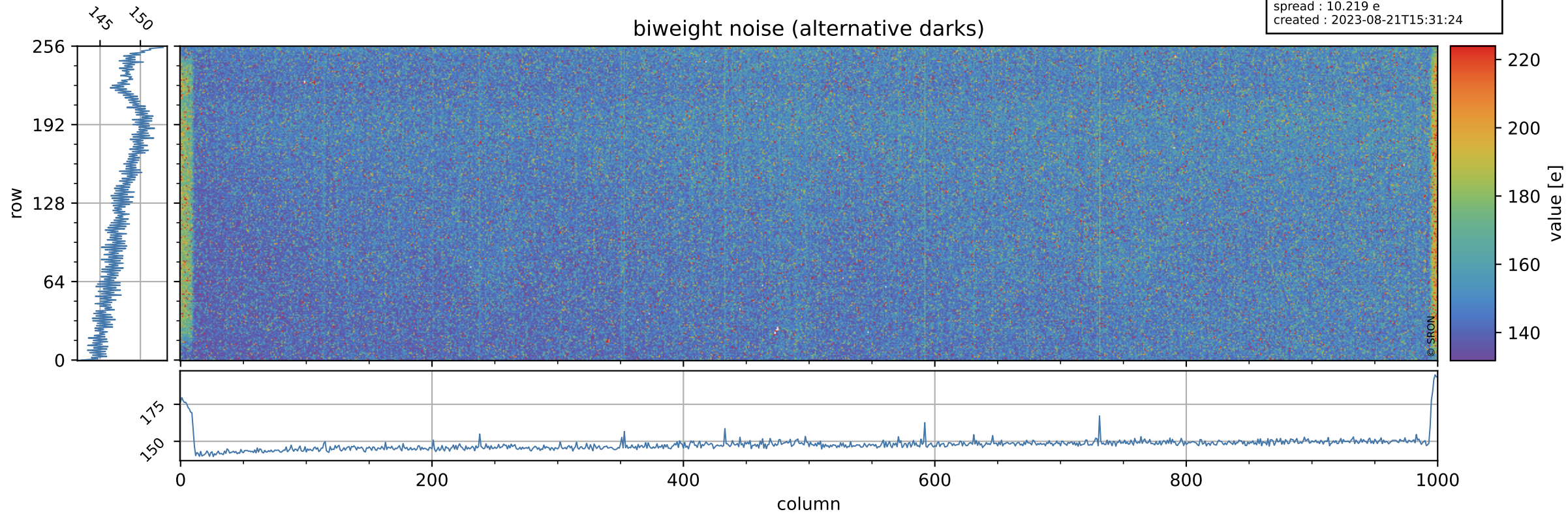
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 10.219 e  
created : 2023-08-21T15:31:24

## biweight noise (alternative darks)

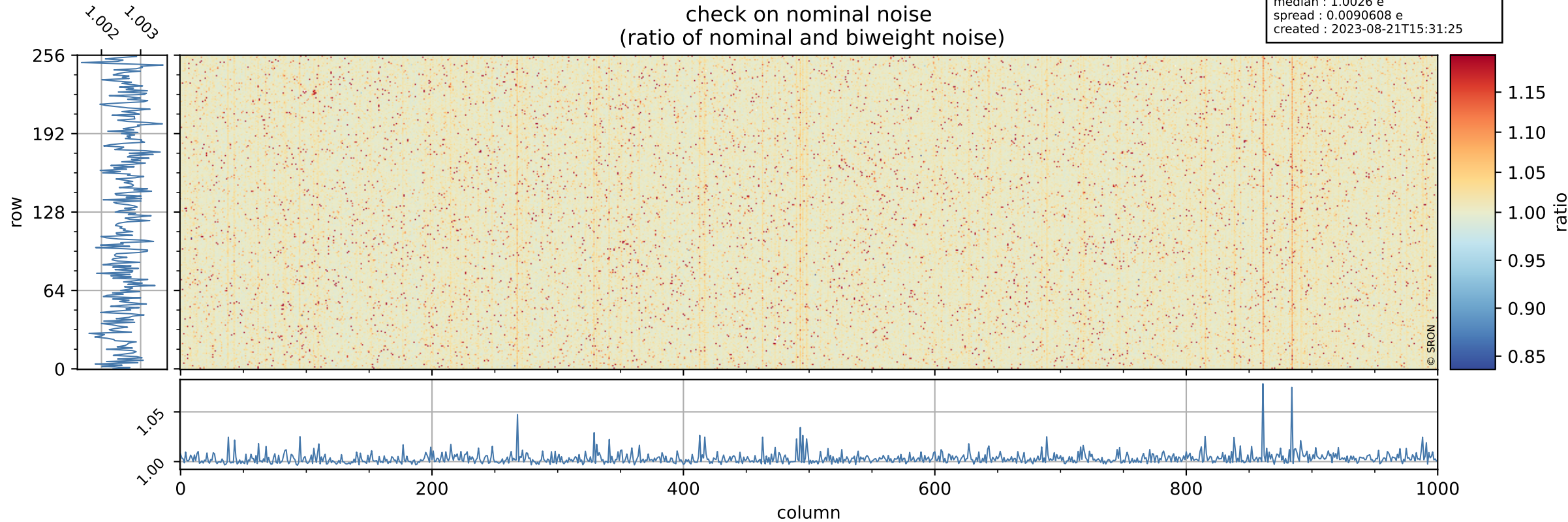




# Tropomi SWIR background noise (swir)

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

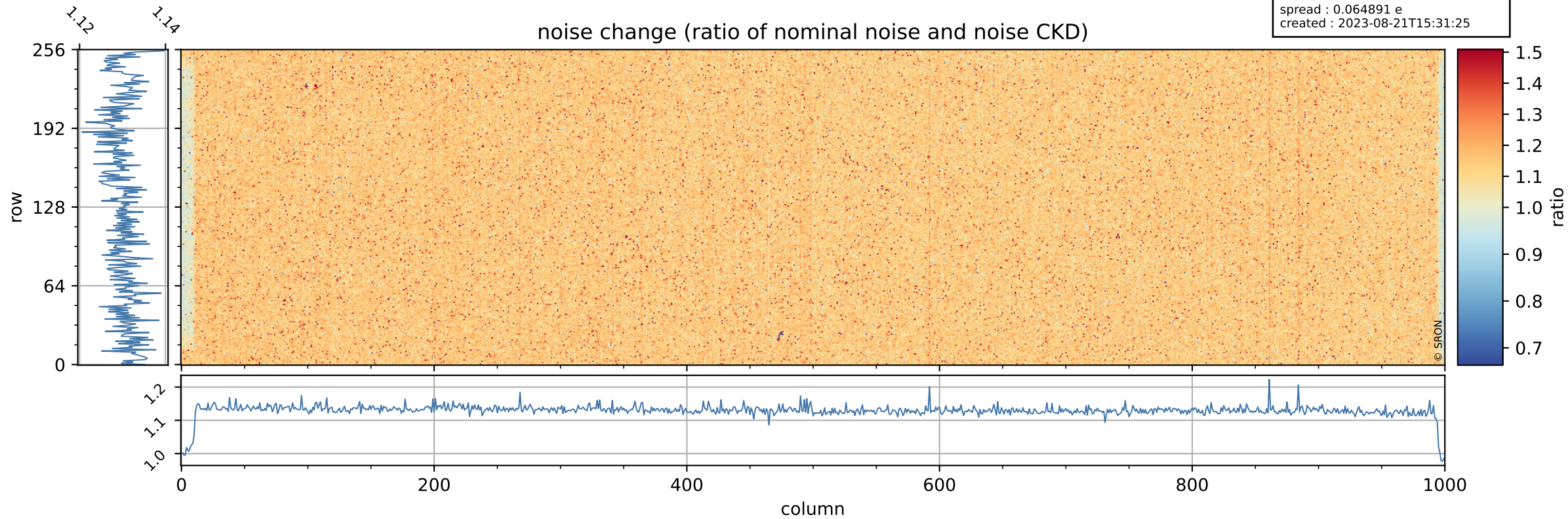
orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
median : 1.0026 e  
spread : 0.0090608 e  
created : 2023-08-21T15:31:25



# Tropomi SWIR background noise (swir)

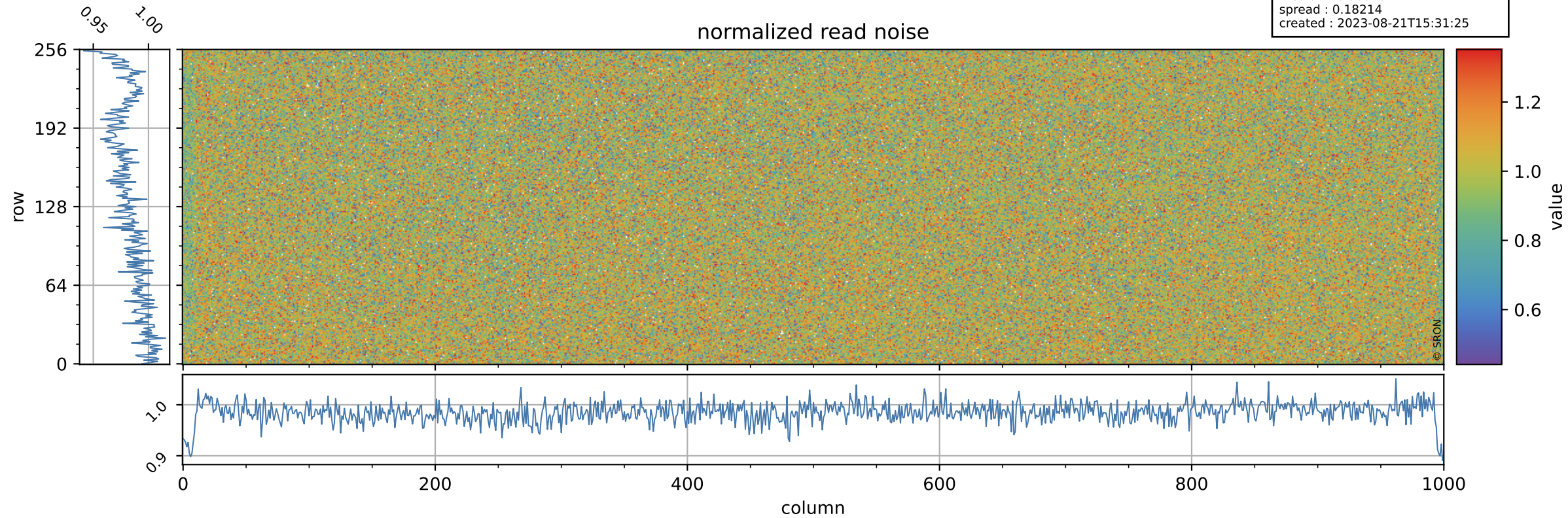
orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
median : 1.1293 e  
spread : 0.064891 e  
created : 2023-08-21T15:31:25

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

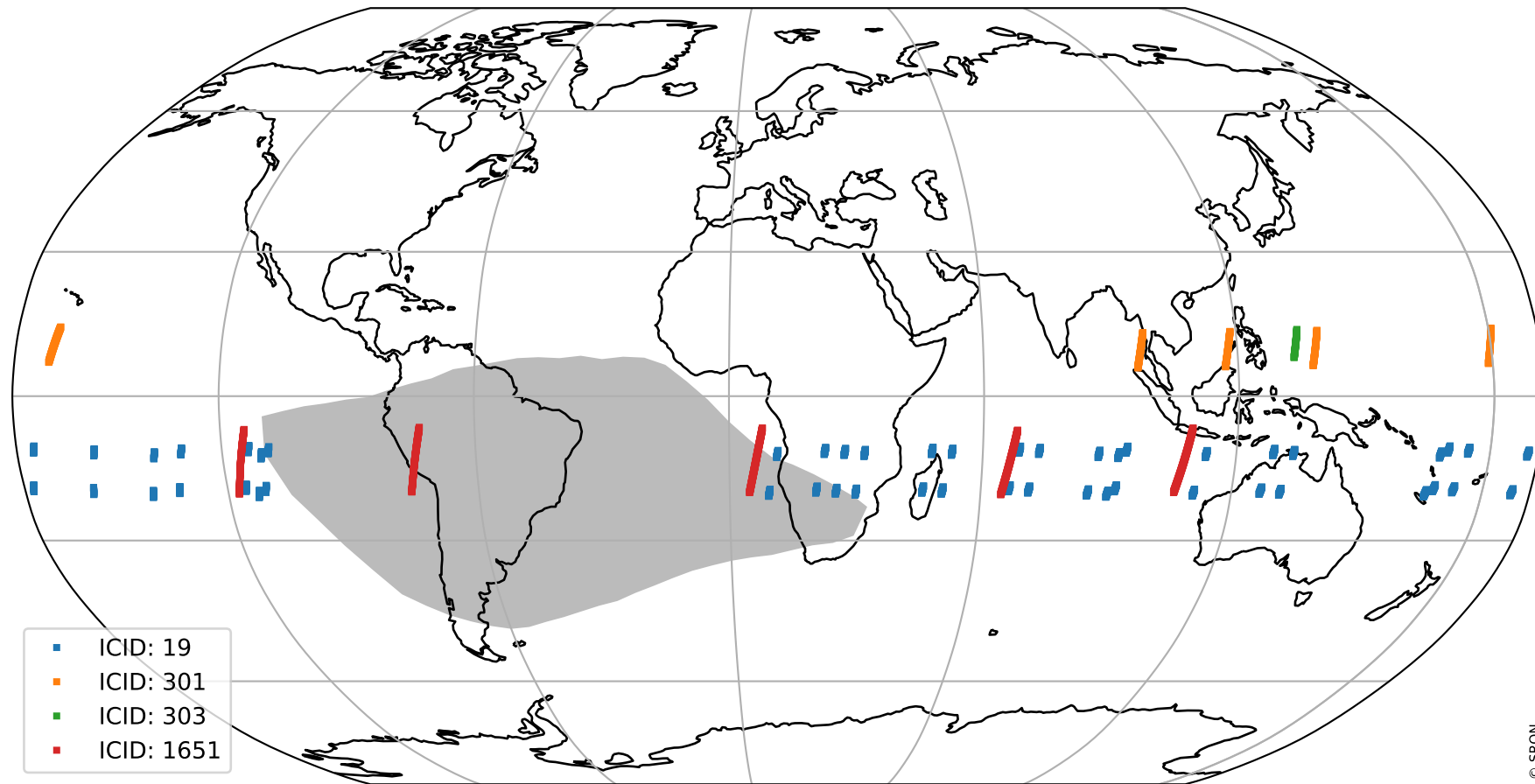
orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
median : 0.98315  
spread : 0.18214  
created : 2023-08-21T15:31:25





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

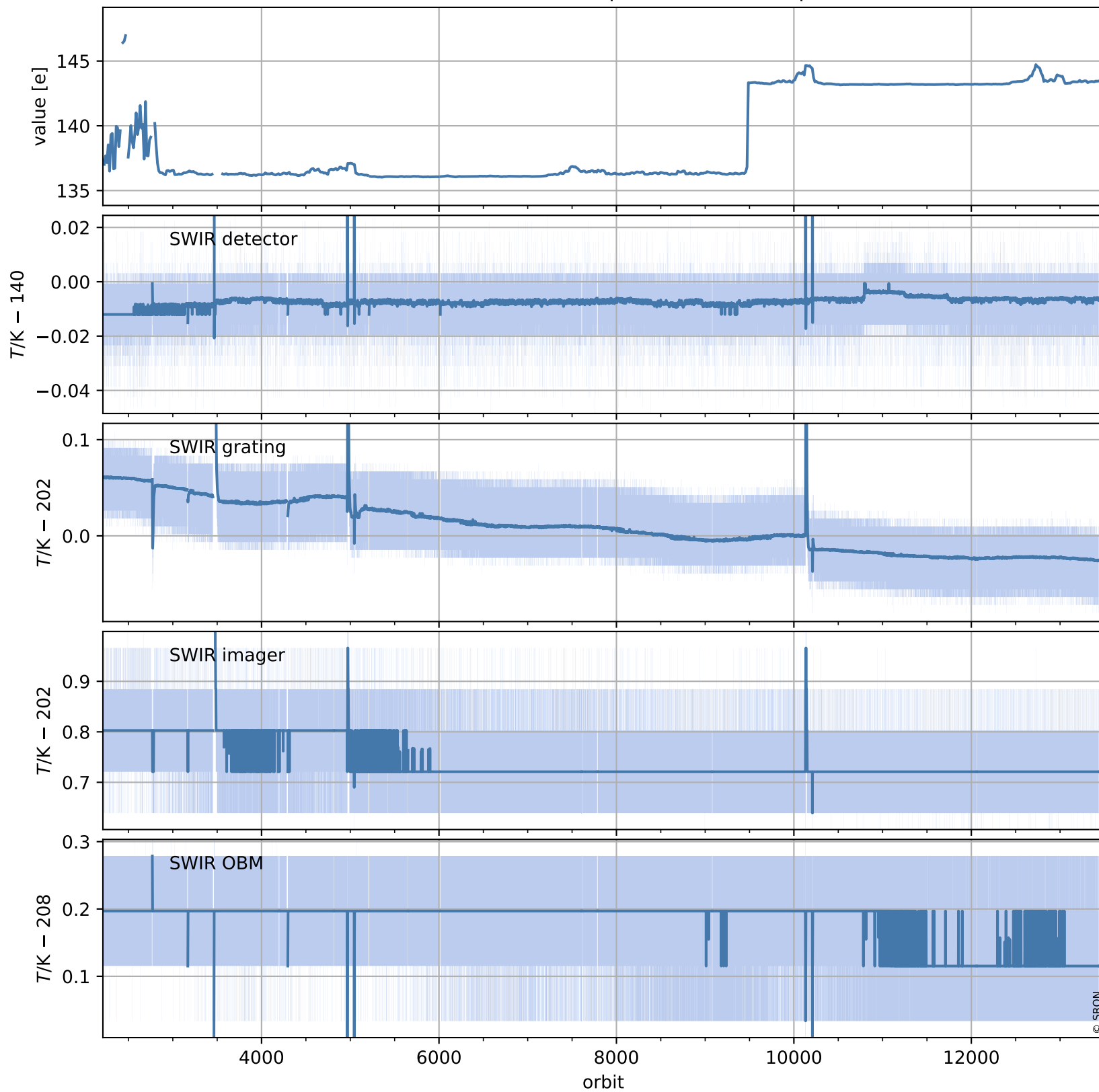
orbits : 11 in [13402, 13492]  
coverage : 2020-05-15 / 2020-05-20  
created : 2023-08-21T15:31:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 13492]  
coverage : 2018-03-18 / 2020-05-20  
created : 2023-08-21T15:31:26

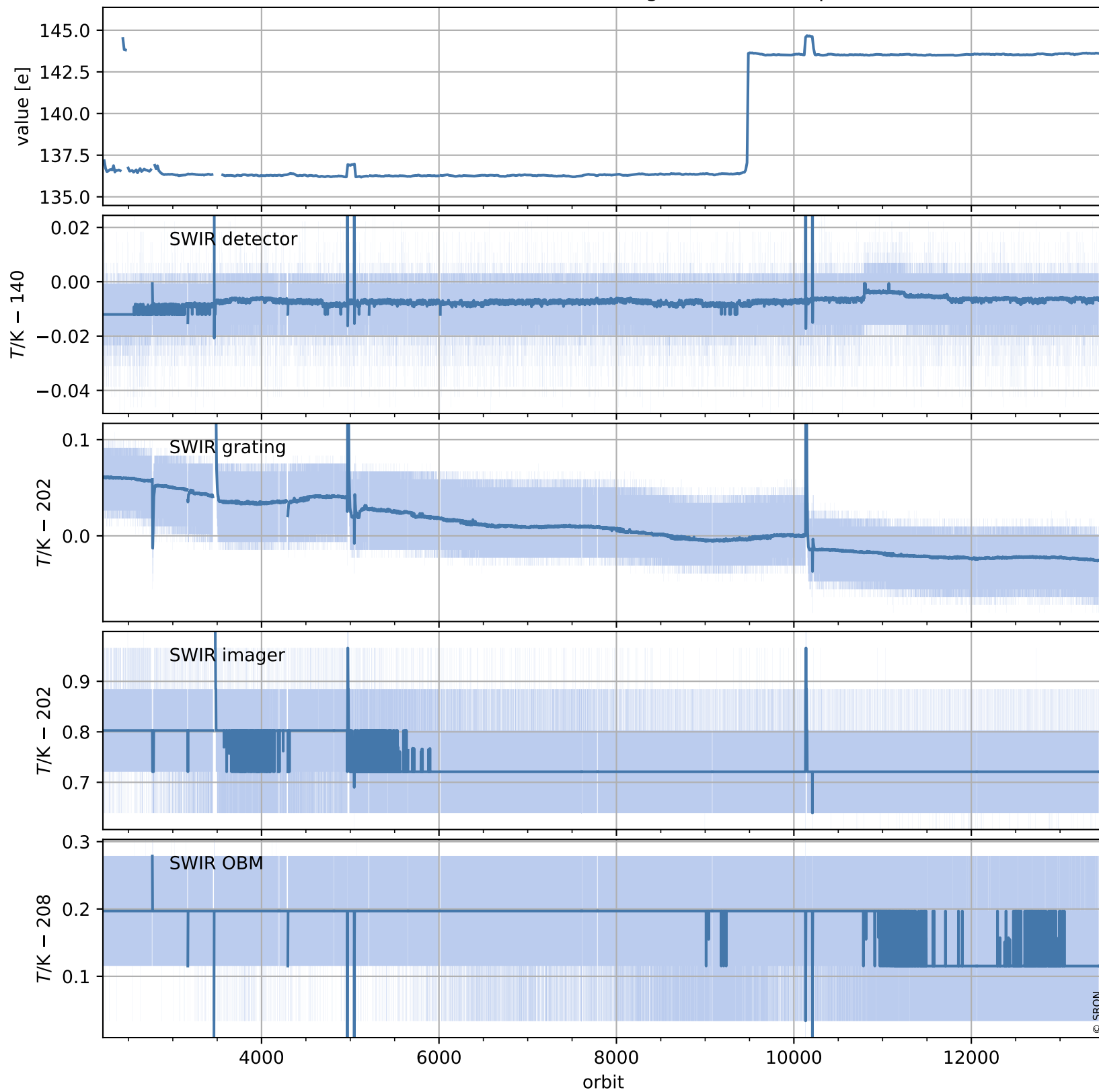
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13492]  
coverage : 2018-03-18 / 2020-05-20  
created : 2023-08-21T15:31:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13492]  
coverage : 2018-03-18 / 2020-05-20  
created : 2023-08-21T15:31:27

## trend of normalized read-noise & temperatures

