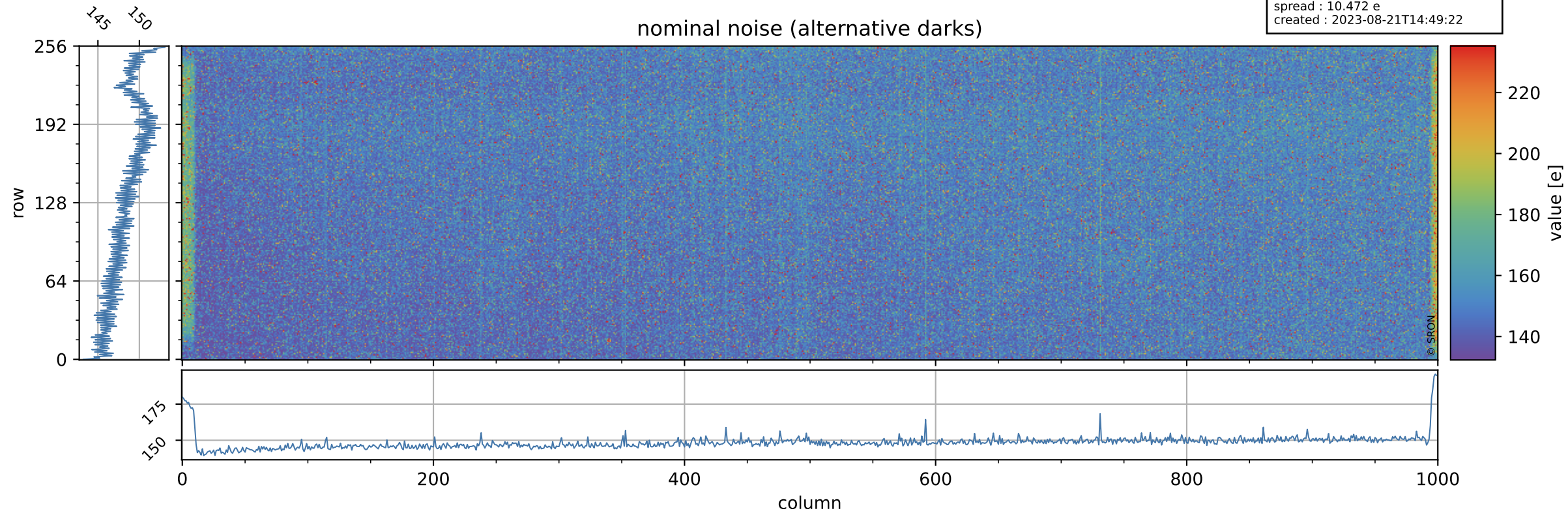


# Tropomi SWIR background noise (swir)

orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.472 e  
created : 2023-08-21T14:49:22

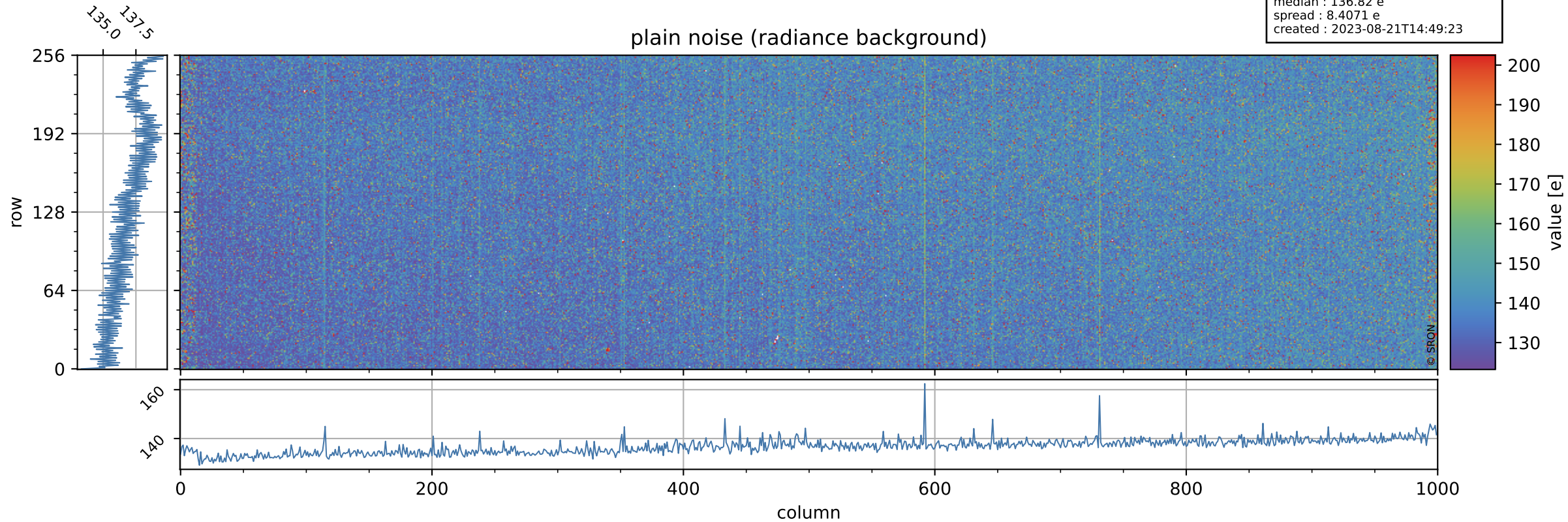
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
n\_coad, t\_exp : 2, 0.5383  
median : 136.82 e  
spread : 8.4071 e  
created : 2023-08-21T14:49:23

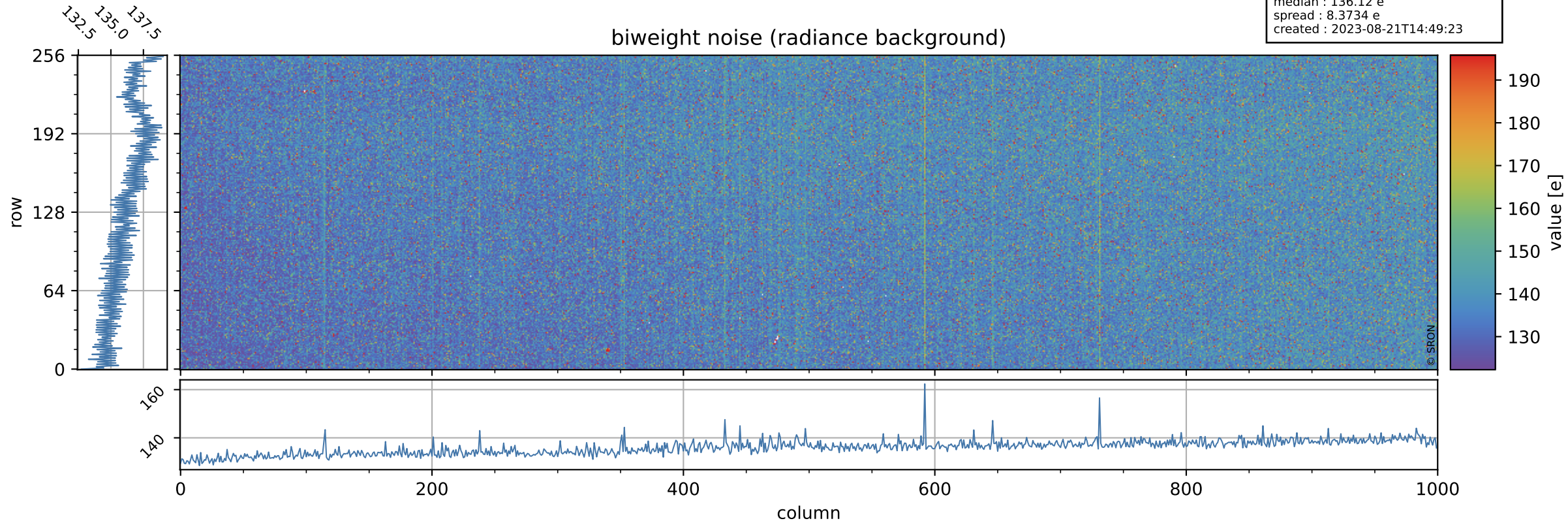
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
n\_coad, t\_exp : 2, 0.5383  
median : 136.12 e  
spread : 8.3734 e  
created : 2023-08-21T14:49:23

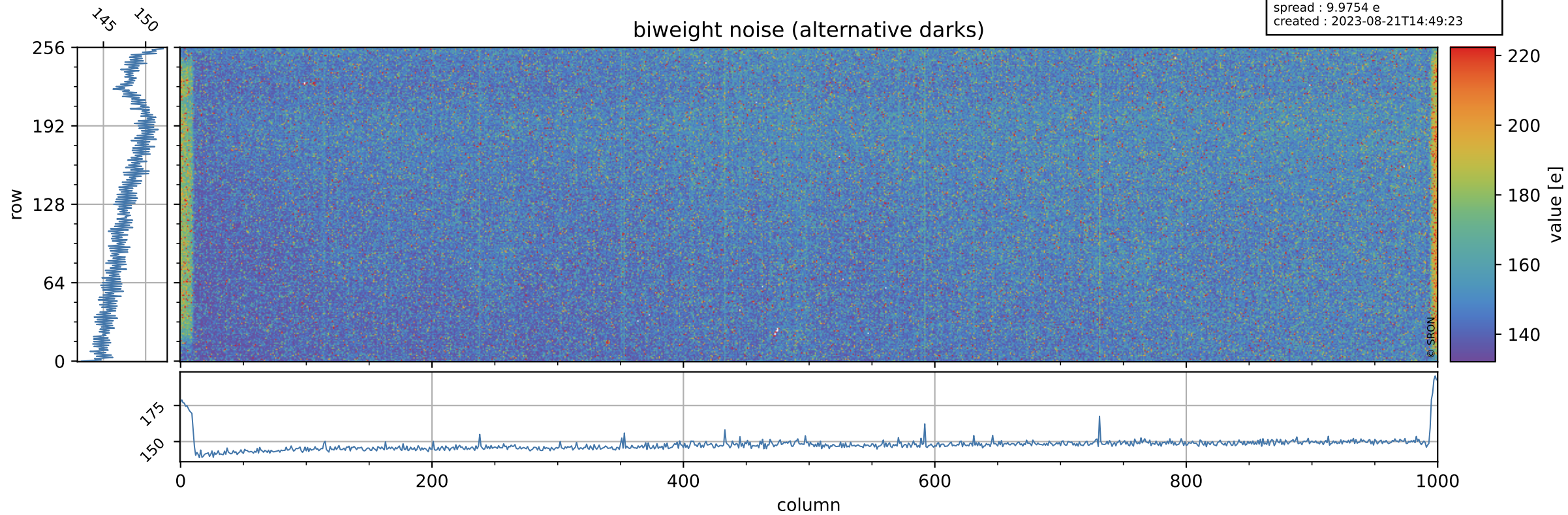
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.9754 e  
created : 2023-08-21T14:49:23

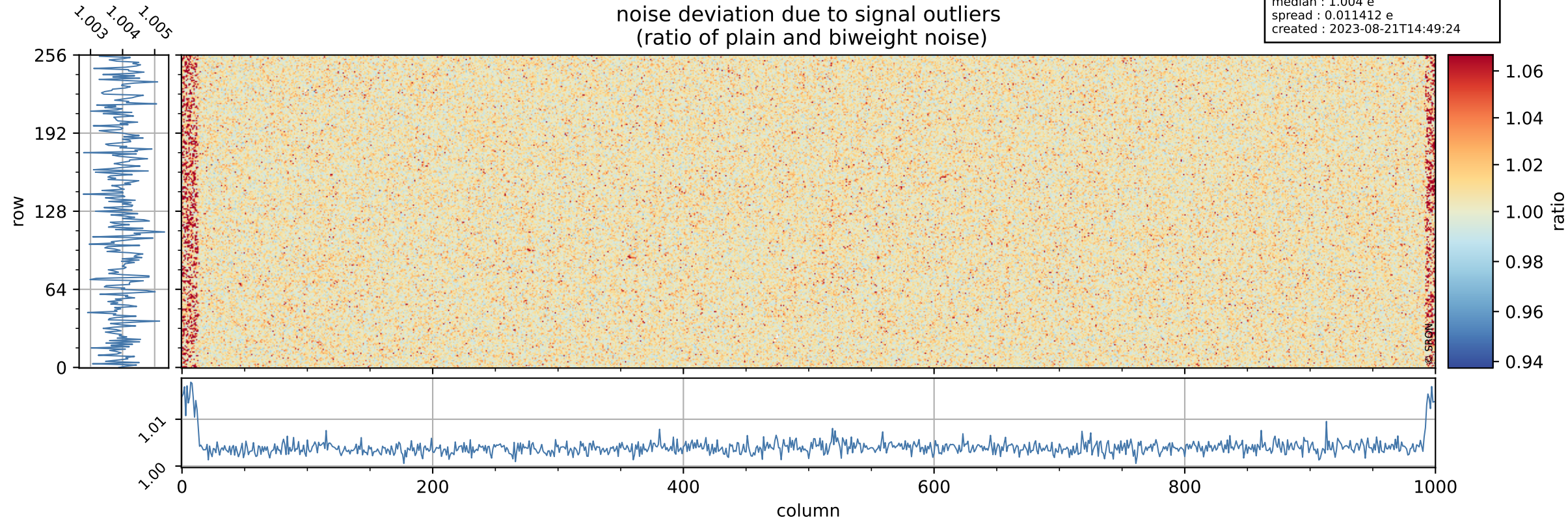
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

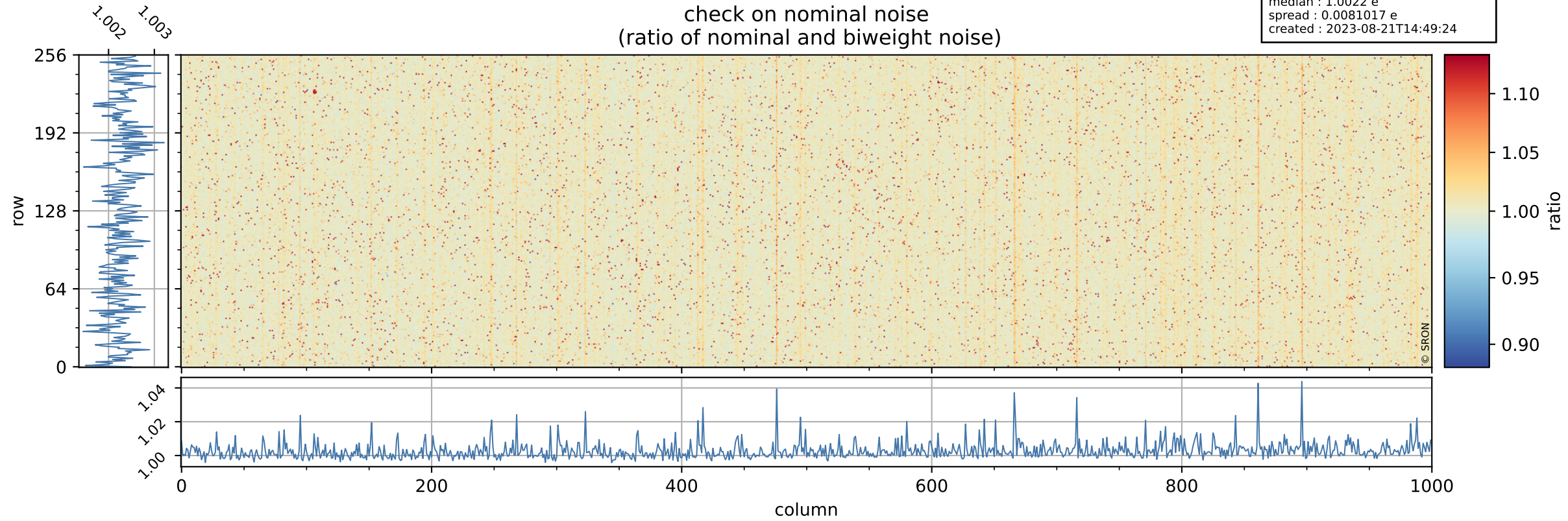
orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
median : 1.004 e  
spread : 0.011412 e  
created : 2023-08-21T14:49:24



# Tropomi SWIR background noise (swir)

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

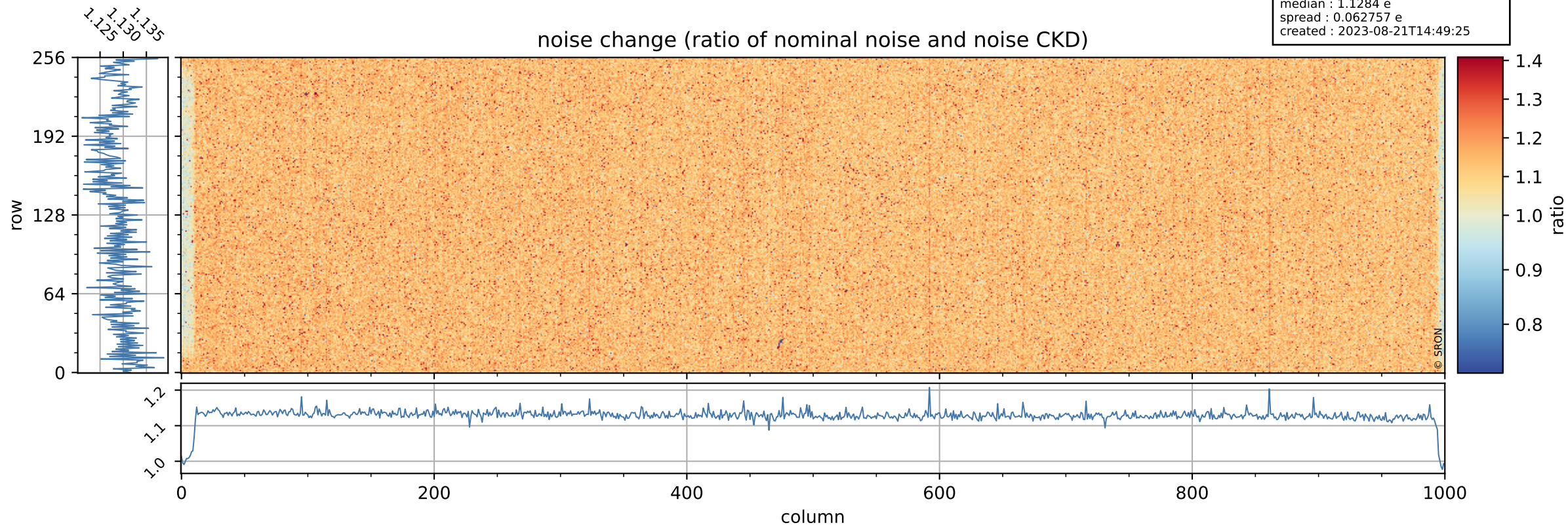
orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
median : 1.0022 e  
spread : 0.0081017 e  
created : 2023-08-21T14:49:24



# Tropomi SWIR background noise (swir)

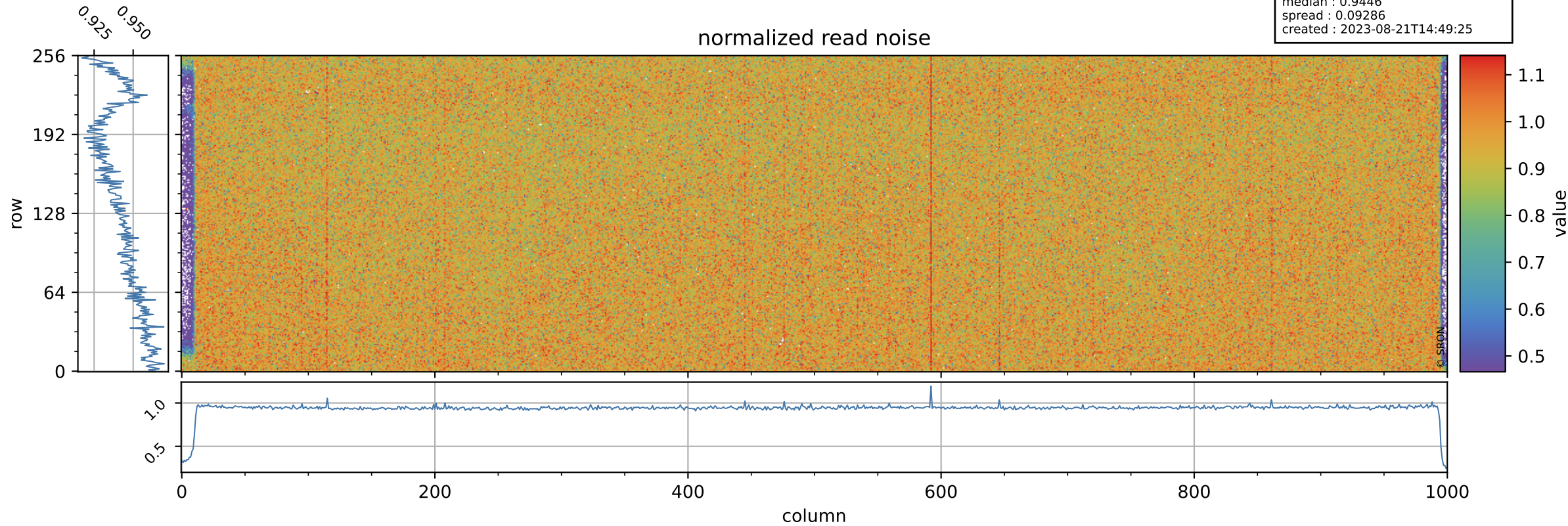
orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
median : 1.1284 e  
spread : 0.062757 e  
created : 2023-08-21T14:49:25

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

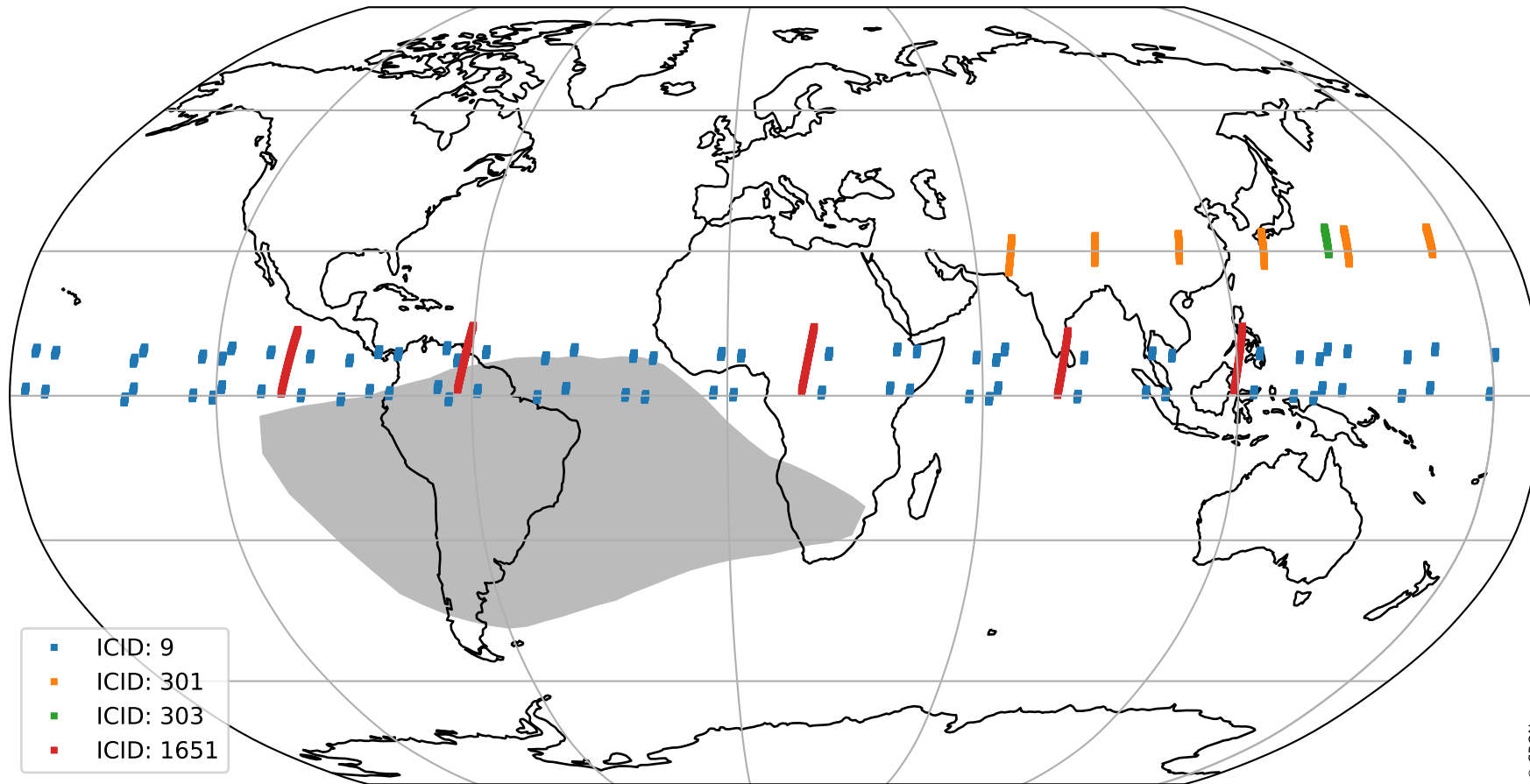
orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
median : 0.9446  
spread : 0.09286  
created : 2023-08-21T14:49:25





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

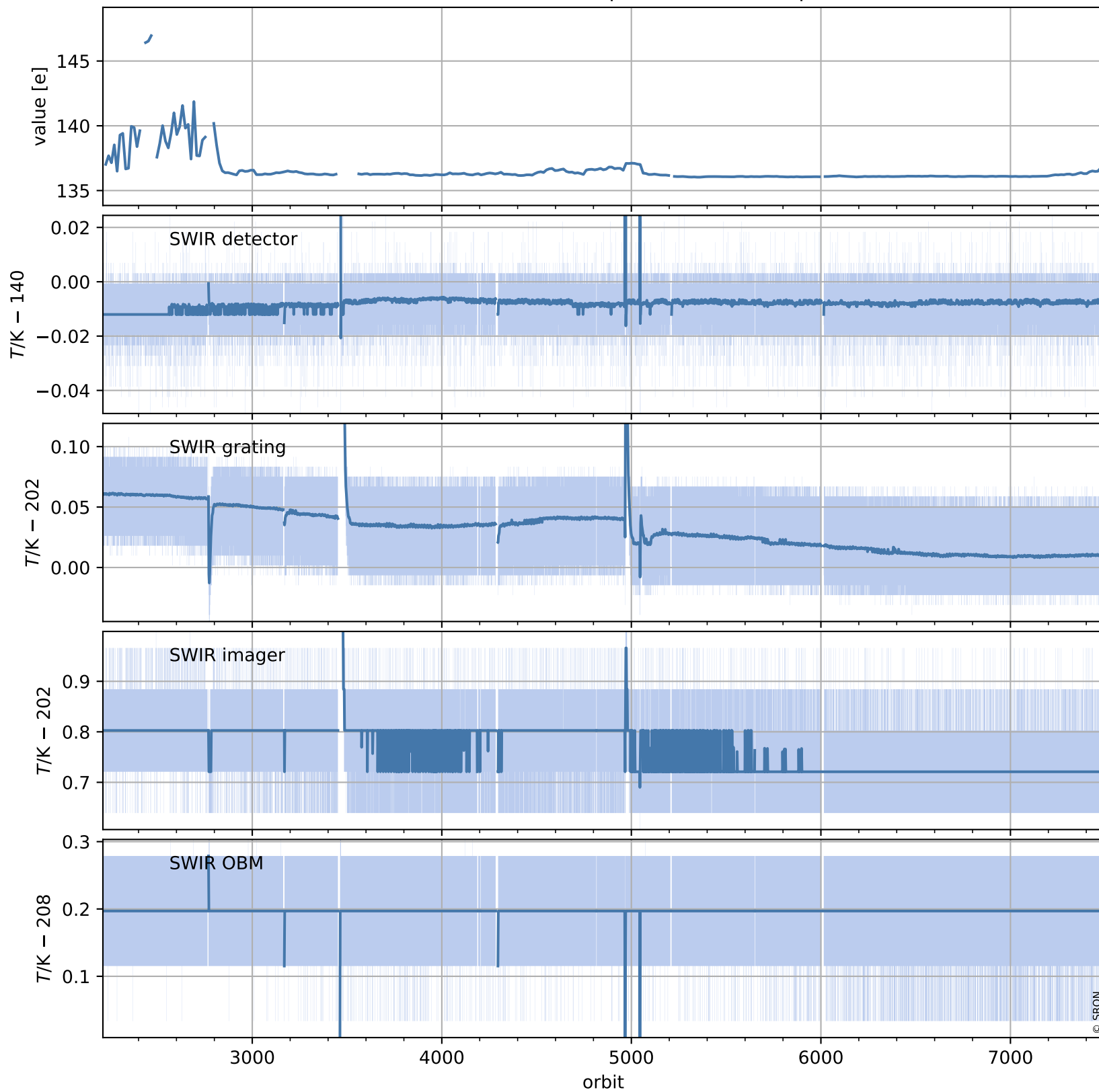
orbits : 12 in [7417, 7492]  
coverage : 2019-03-19 / 2019-03-24  
created : 2023-08-21T14:49:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 7492]  
coverage : 2018-03-18 / 2019-03-24  
created : 2023-08-21T14:49:26

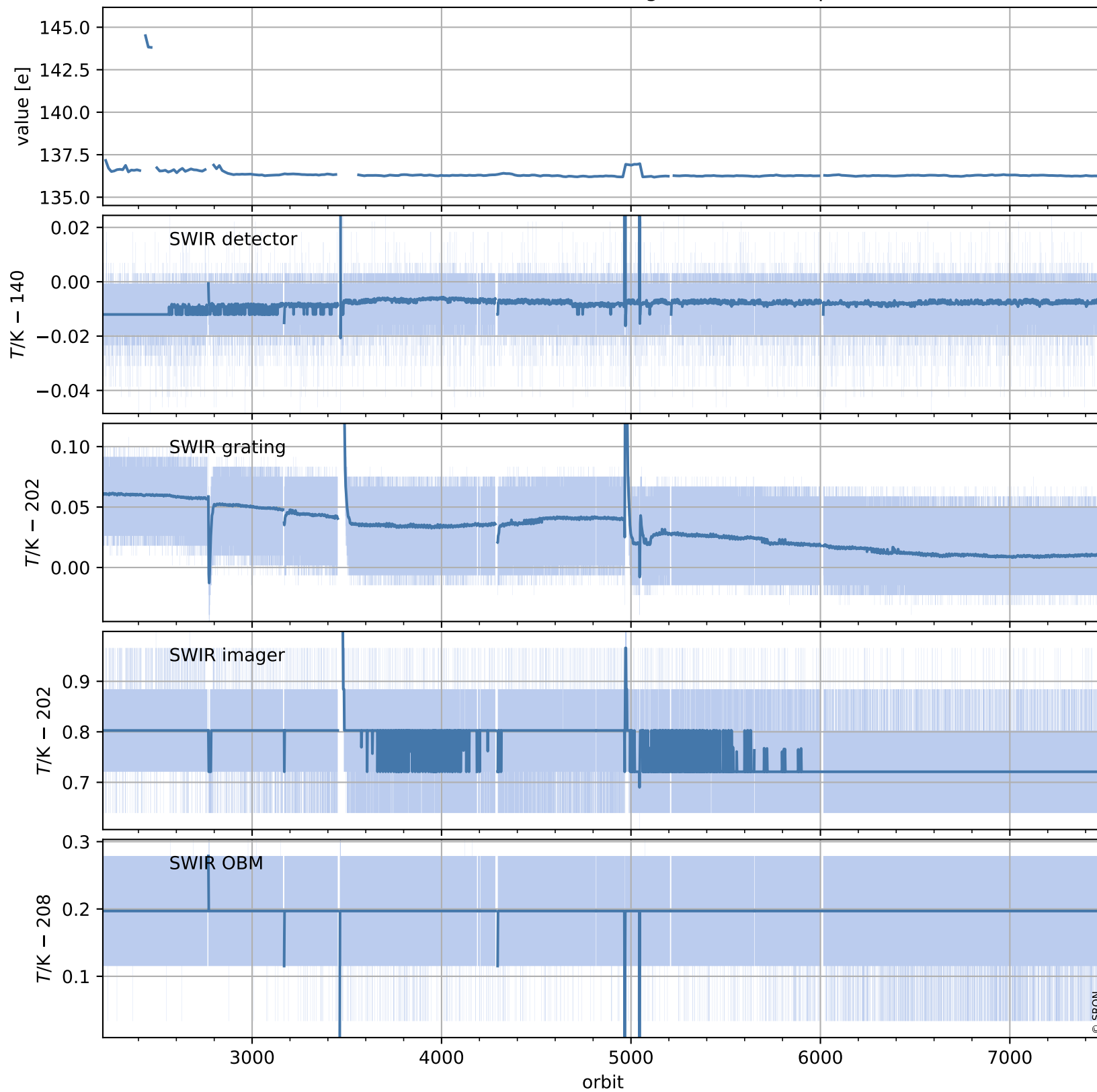
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7492]  
coverage : 2018-03-18 / 2019-03-24  
created : 2023-08-21T14:49:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7492]  
coverage : 2018-03-18 / 2019-03-24  
created : 2023-08-21T14:49:27

## trend of normalized read-noise & temperatures

