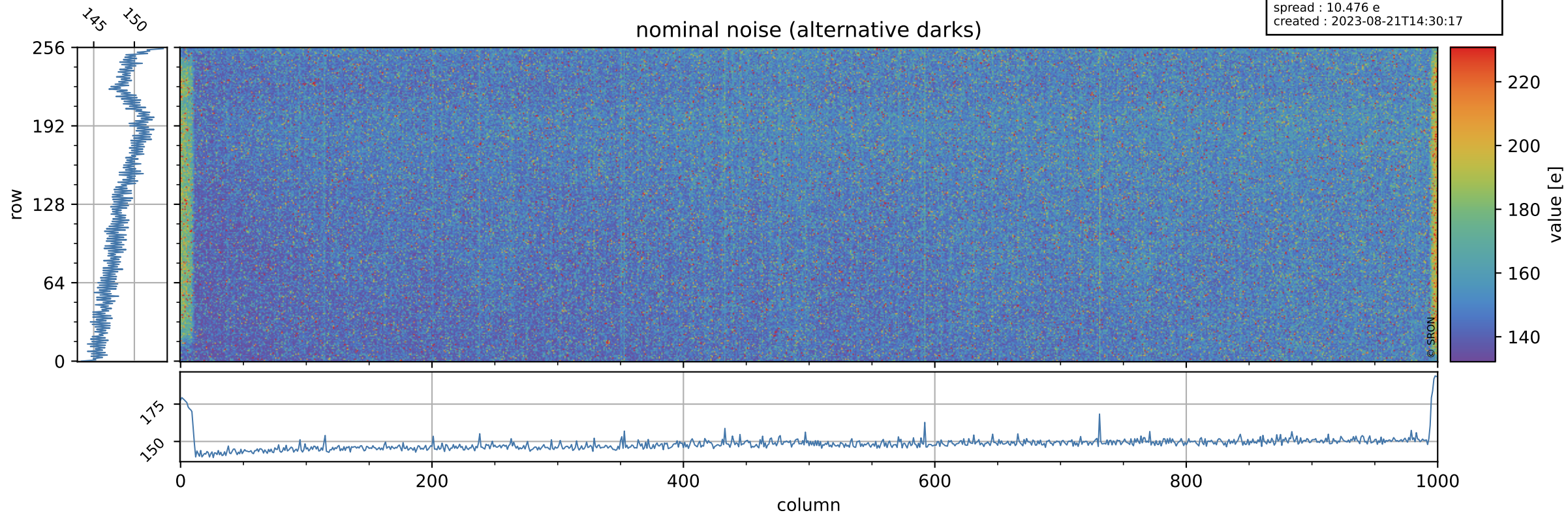


# Tropomi SWIR background noise (swir)

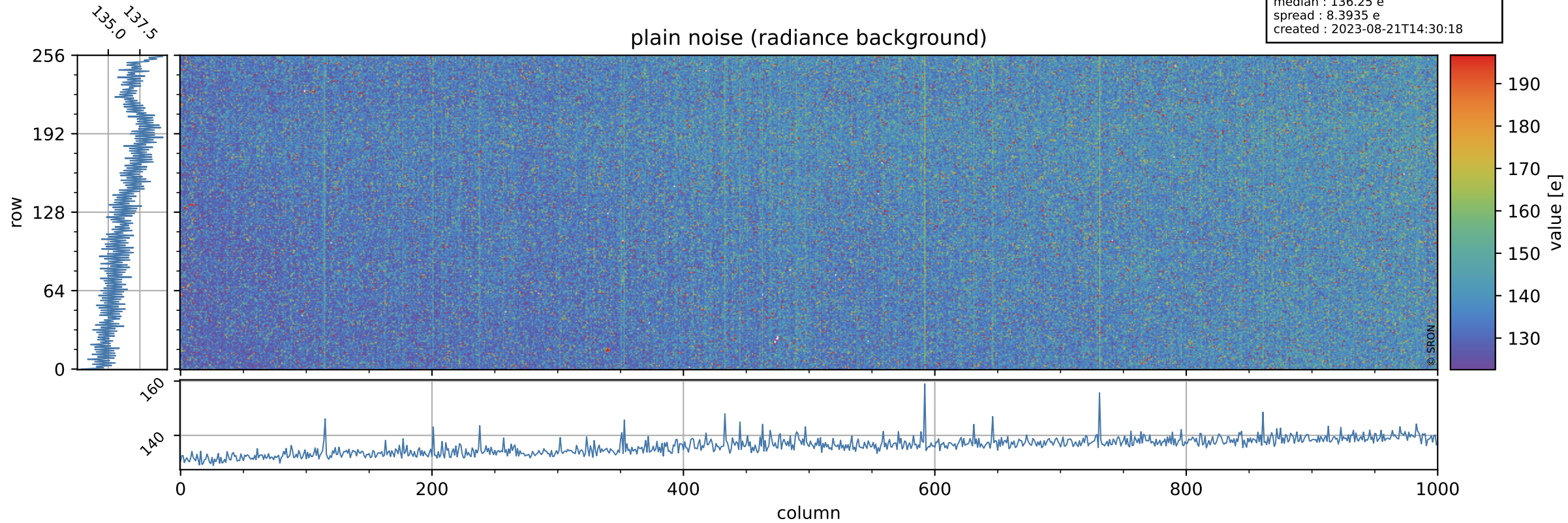
orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
n\_coad, t\_exp : 1, 1.0783  
median : 148.31 e  
spread : 10.476 e  
created : 2023-08-21T14:30:17



# Tropomi SWIR background noise (swir)

orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
n\_coad, t\_exp : 2, 0.5383  
median : 136.25 e  
spread : 8.3935 e  
created : 2023-08-21T14:30:18

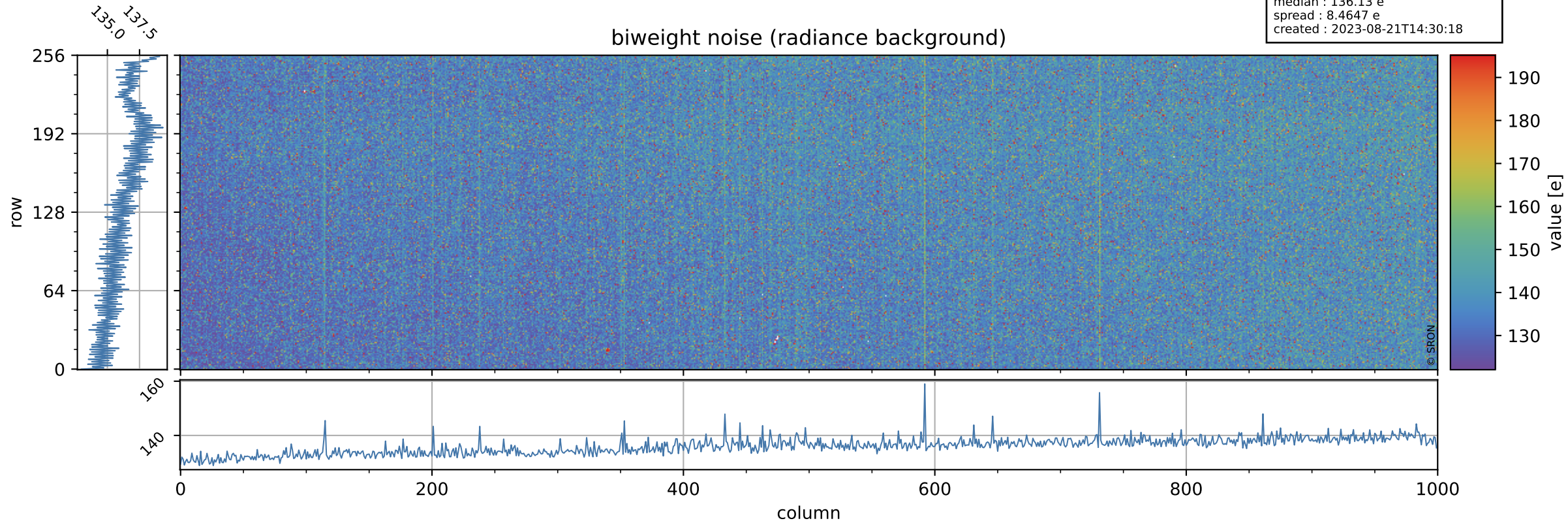
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
n\_coad, t\_exp : 2, 0.5383  
median : 136.13 e  
spread : 8.4647 e  
created : 2023-08-21T14:30:18

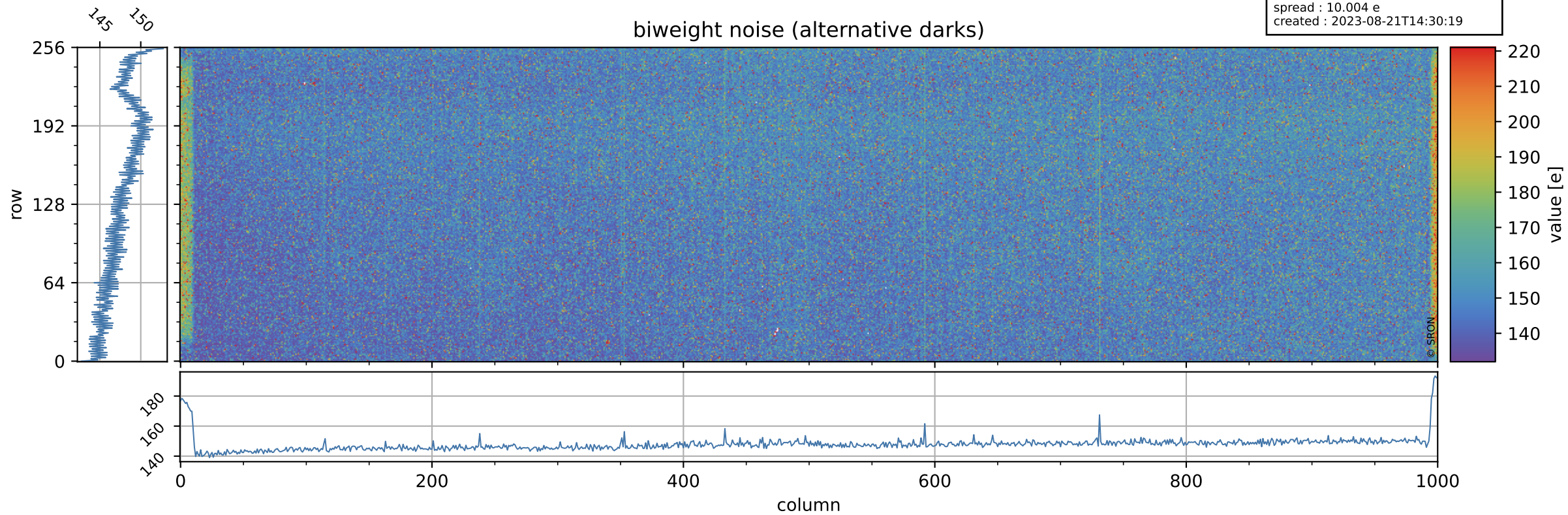
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 10.004 e  
created : 2023-08-21T14:30:19

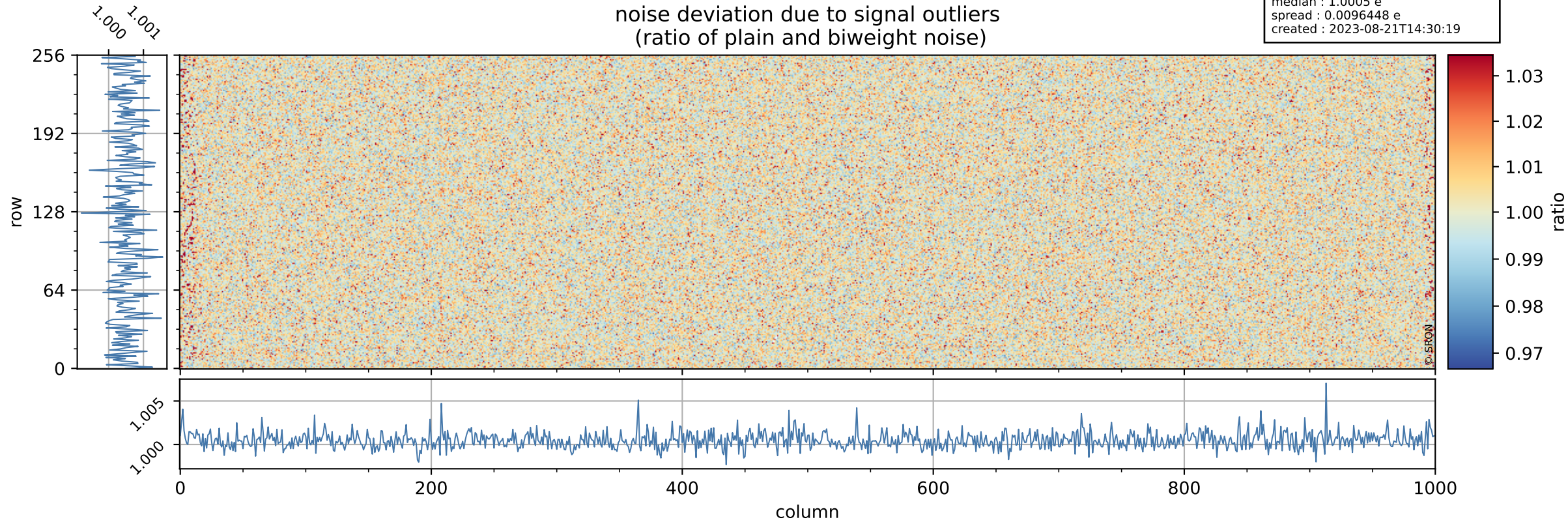
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

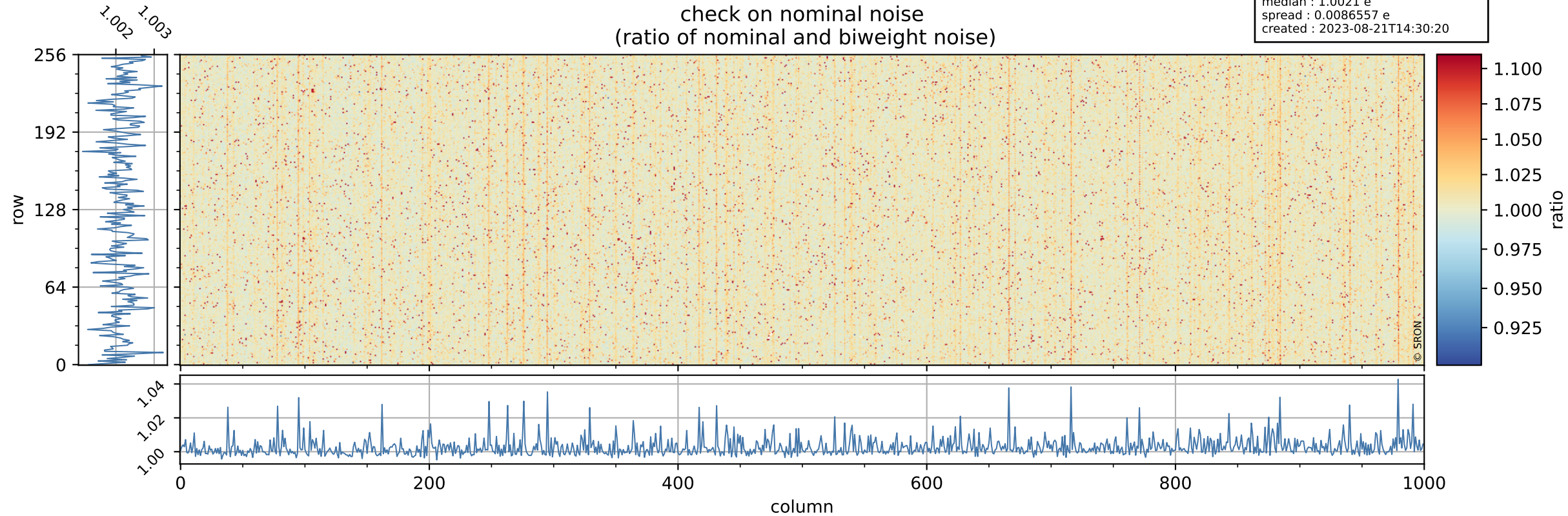
orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
median : 1.0005 e  
spread : 0.0096448 e  
created : 2023-08-21T14:30:19



# Tropomi SWIR background noise (swir)

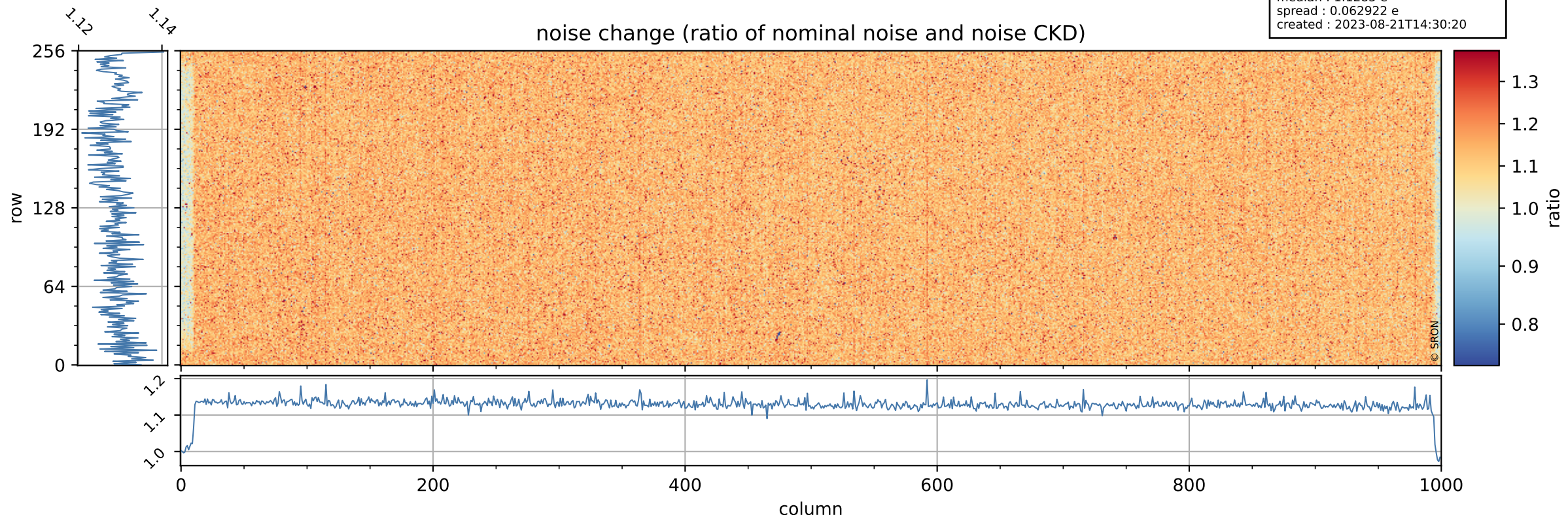
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
median : 1.0021 e  
spread : 0.0086557 e  
created : 2023-08-21T14:30:20



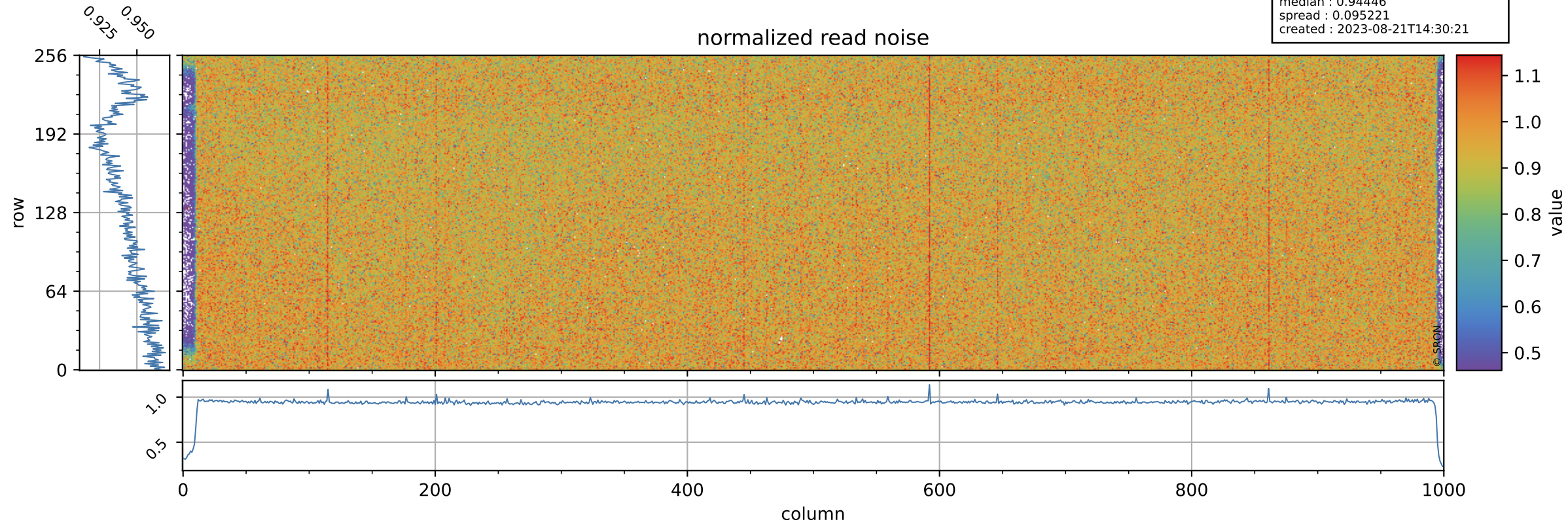
# Tropomi SWIR background noise (swir)

orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
median : 1.1285 e  
spread : 0.062922 e  
created : 2023-08-21T14:30:20



# Tropomi SWIR background noise (swir)

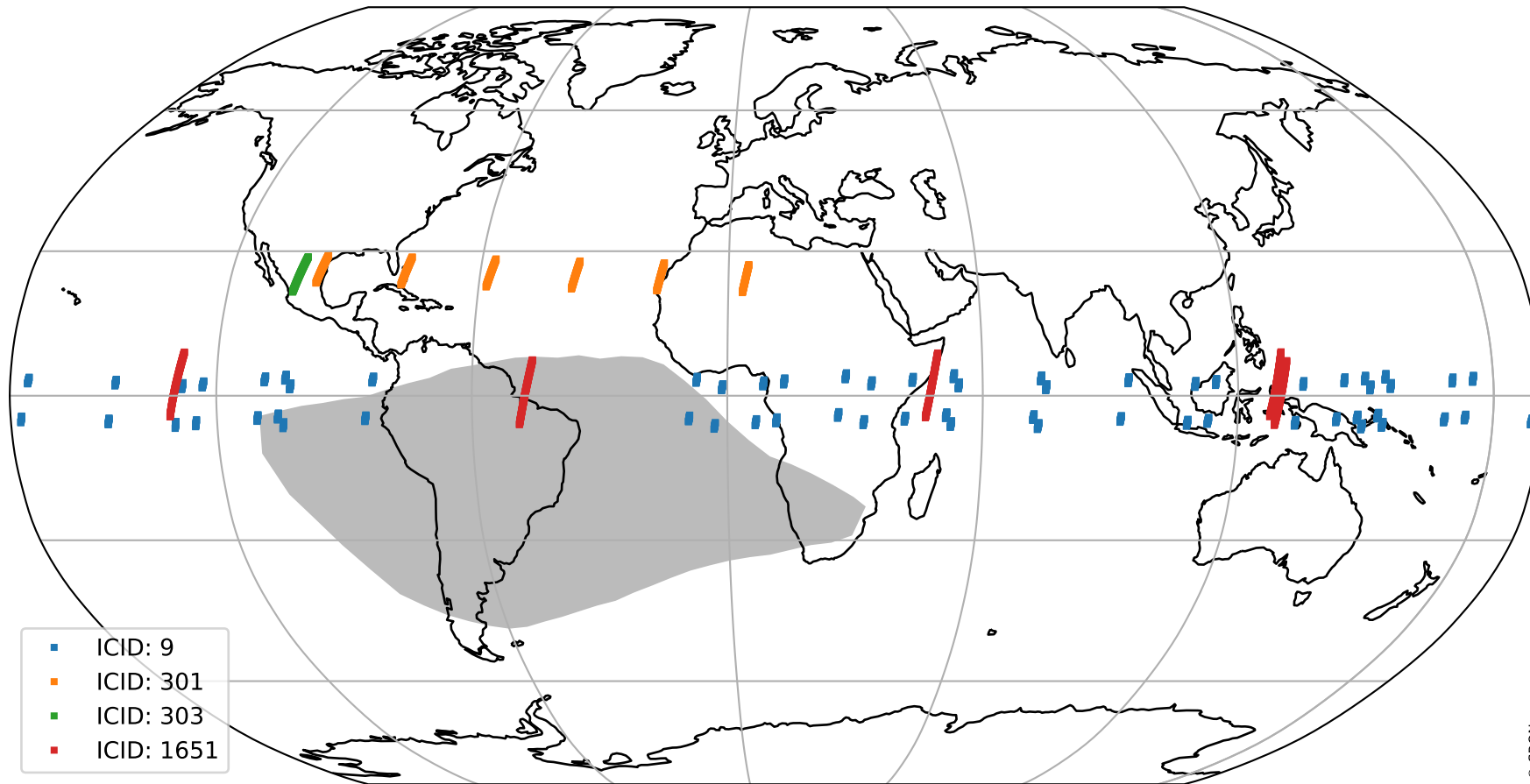
orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
median : 0.94446  
spread : 0.095221  
created : 2023-08-21T14:30:21





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

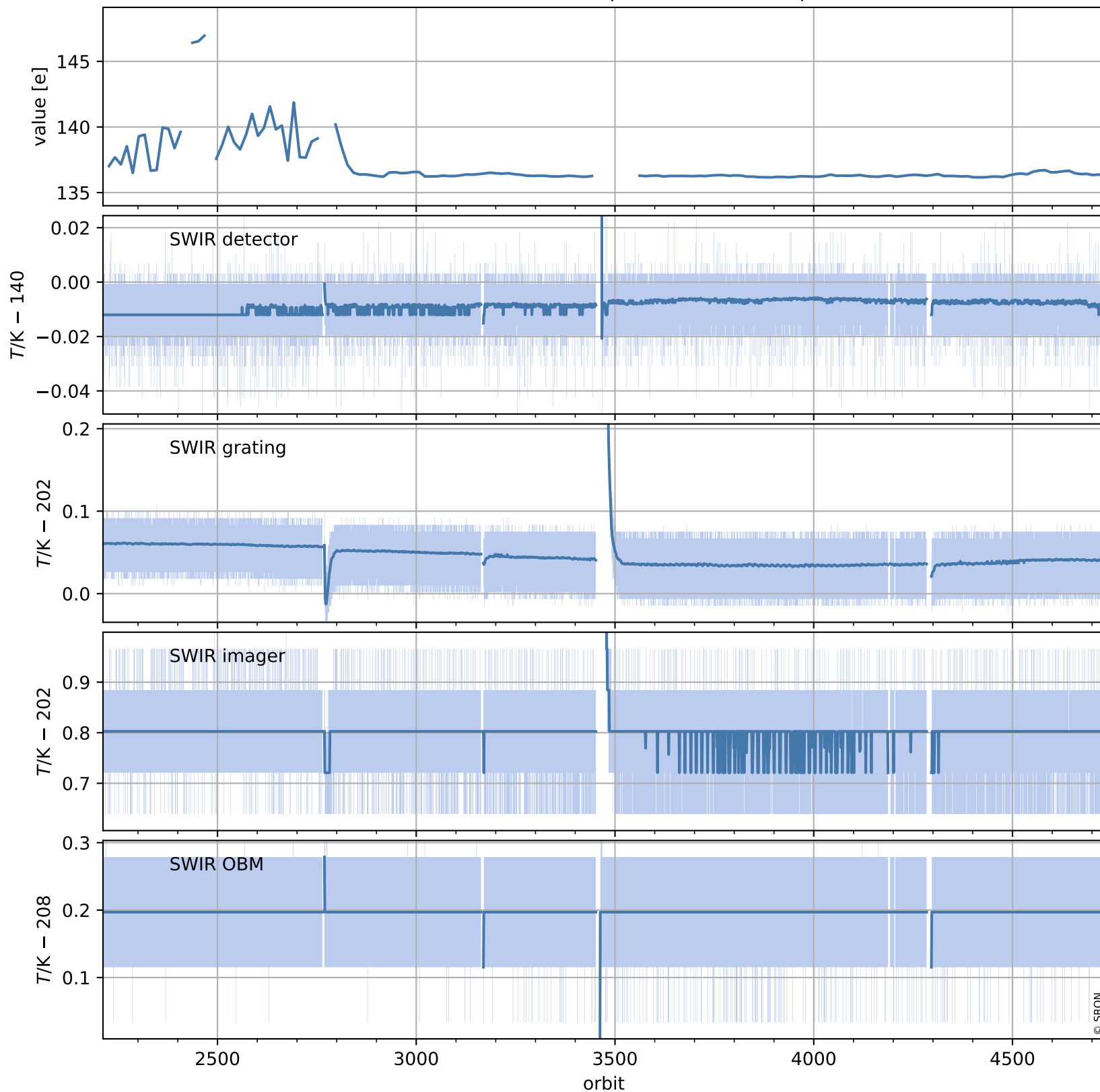
orbits : 12 in [4642, 4732]  
coverage : 2018-09-05 / 2018-09-11  
created : 2023-08-21T14:30:21



# Tropomi SWIR background noise (swir)

orbits : [2212, 4732]  
coverage : 2018-03-18 / 2018-09-11  
created : 2023-08-21T14:30:22

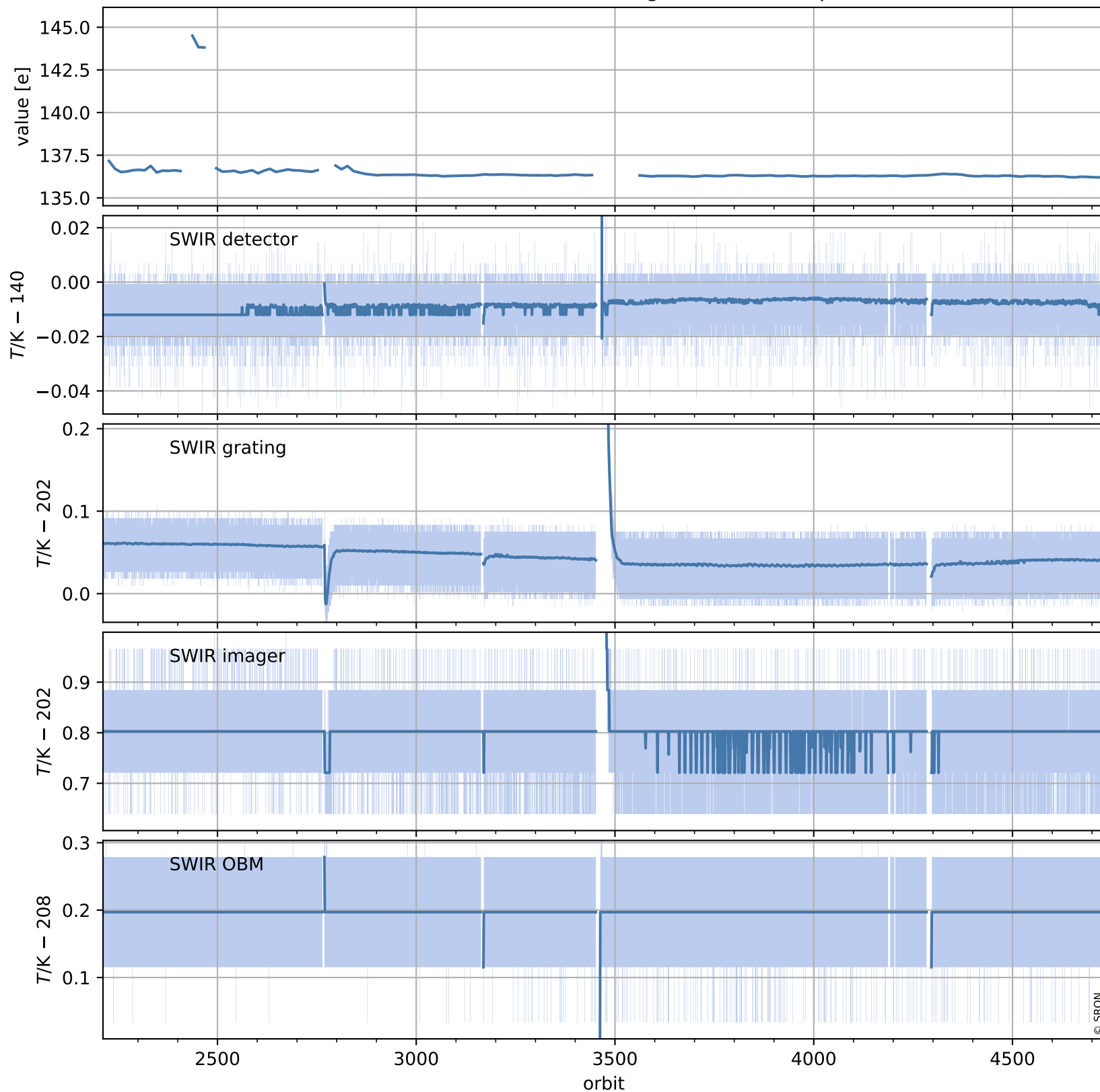
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4732]  
coverage : 2018-03-18 / 2018-09-11  
created : 2023-08-21T14:30:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4732]  
coverage : 2018-03-18 / 2018-09-11  
created : 2023-08-21T14:30:23

## trend of normalized read-noise & temperatures

