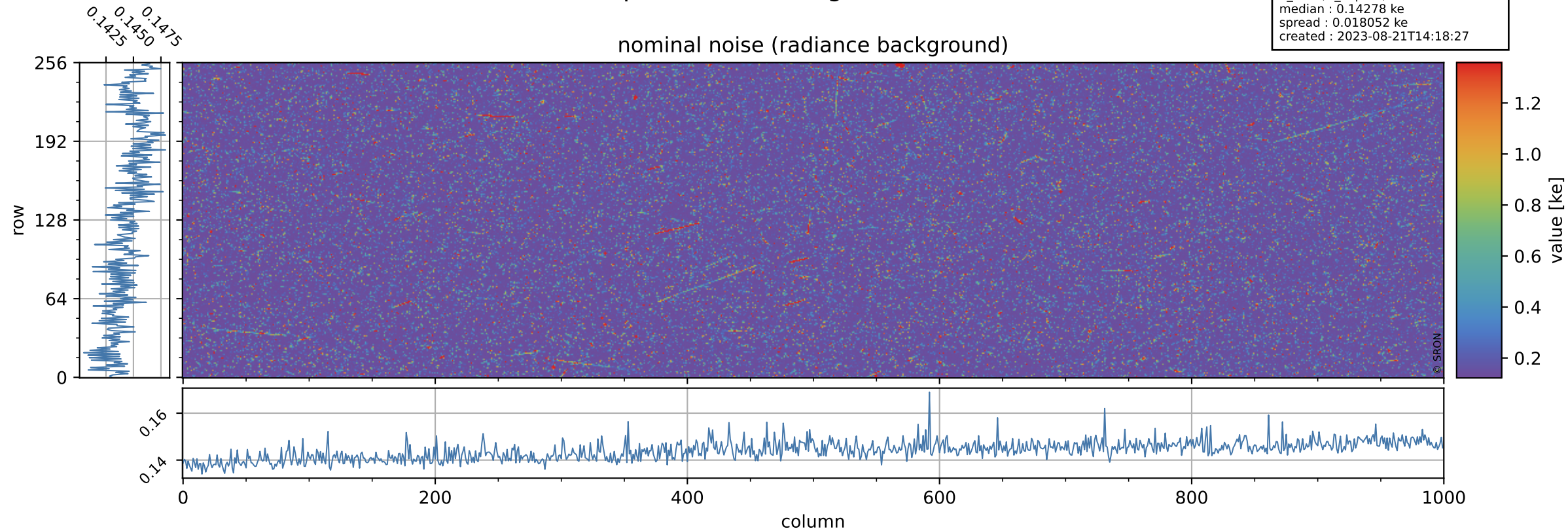


# Tropomi SWIR background noise (swir)

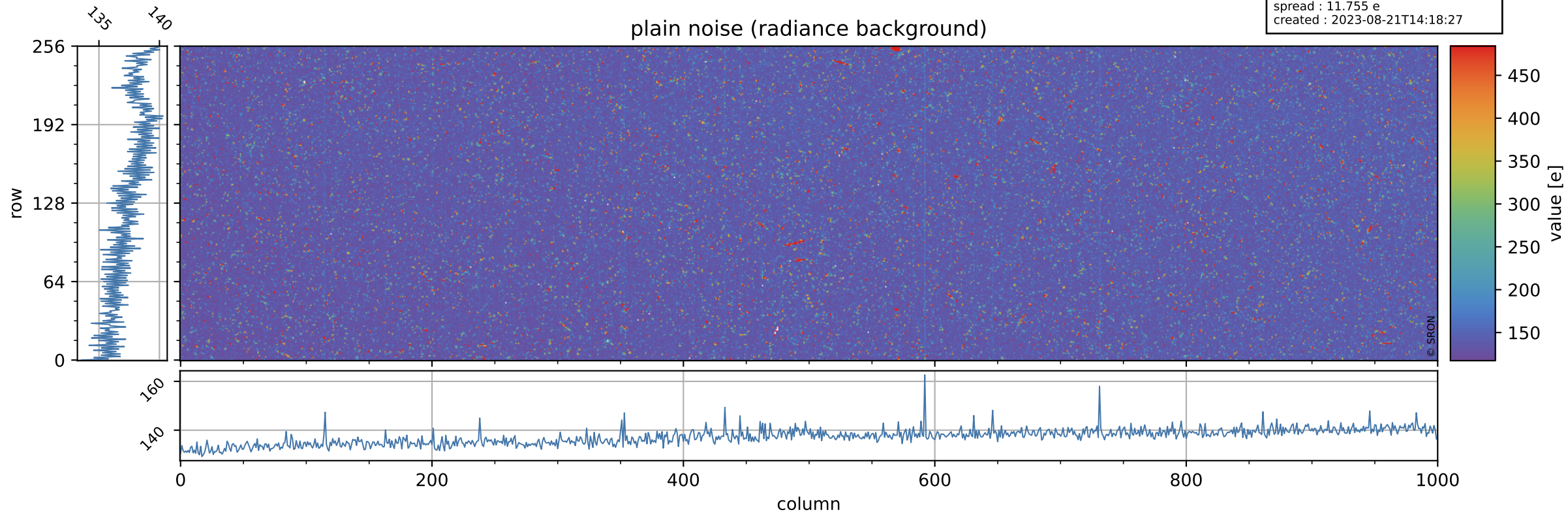
orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
n\_coad, t\_exp : 2, 0.5383  
median : 0.14278 ke  
spread : 0.018052 ke  
created : 2023-08-21T14:18:27



# Tropomi SWIR background noise (swir)

orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
n\_coad, t\_exp : 2, 0.5383  
median : 136.93 e  
spread : 11.755 e  
created : 2023-08-21T14:18:27

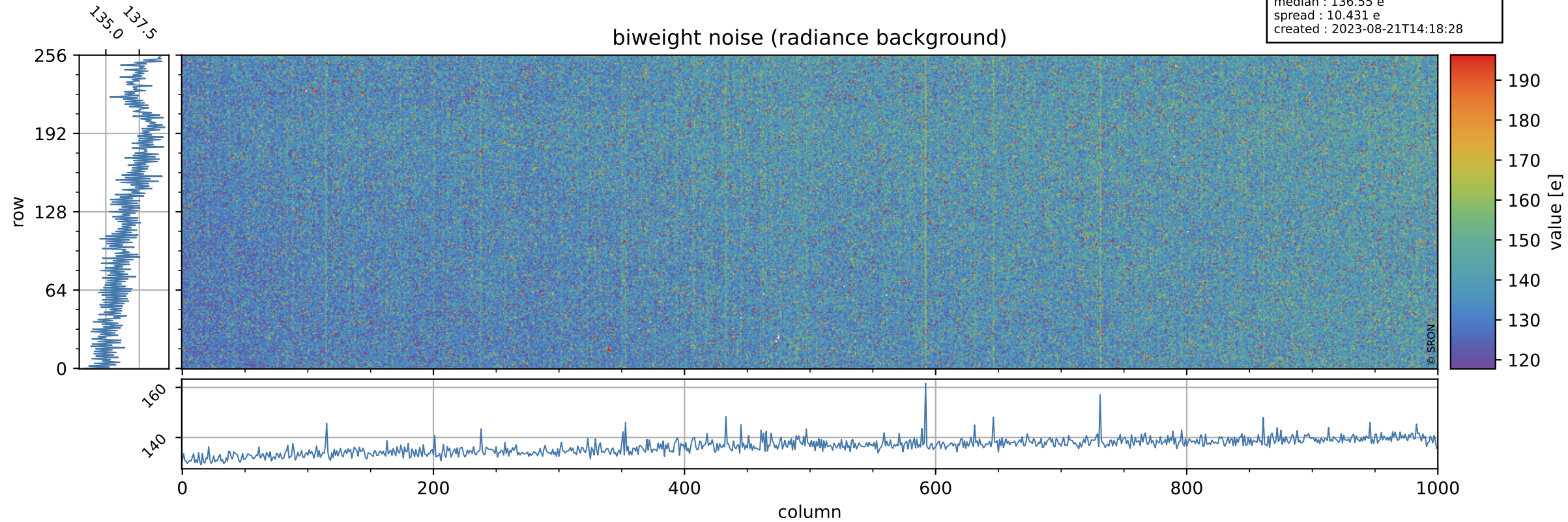
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
n\_coad, t\_exp : 2, 0.5383  
median : 136.55 e  
spread : 10.431 e  
created : 2023-08-21T14:18:28

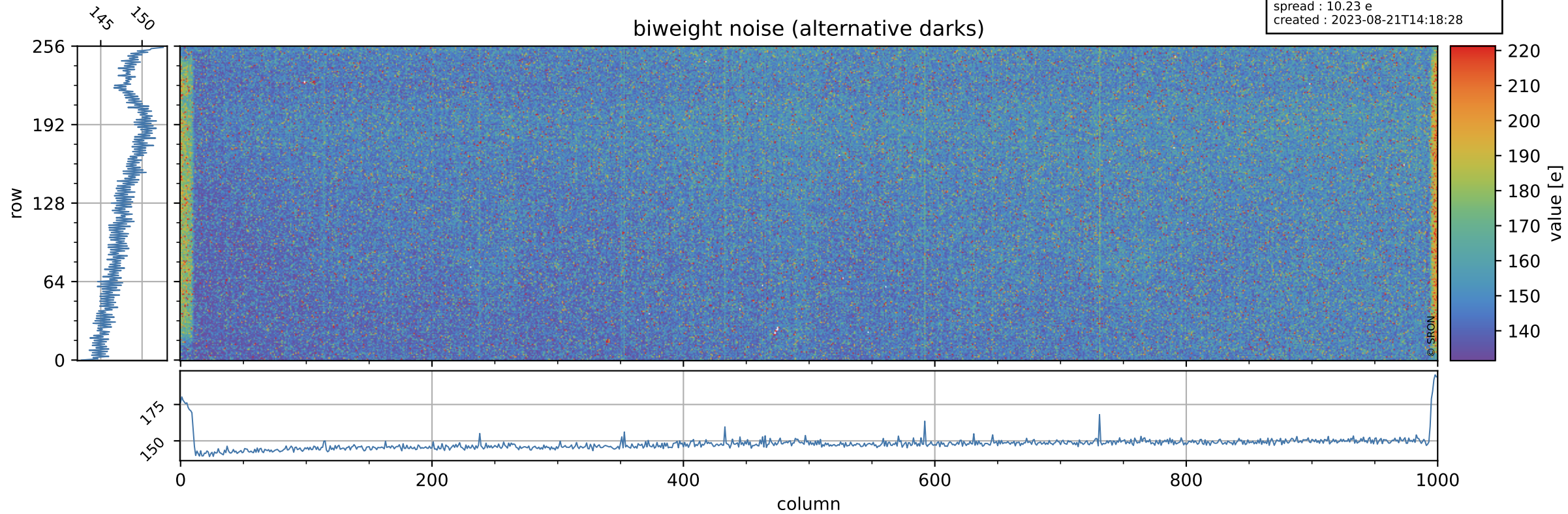
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.23 e  
created : 2023-08-21T14:18:28

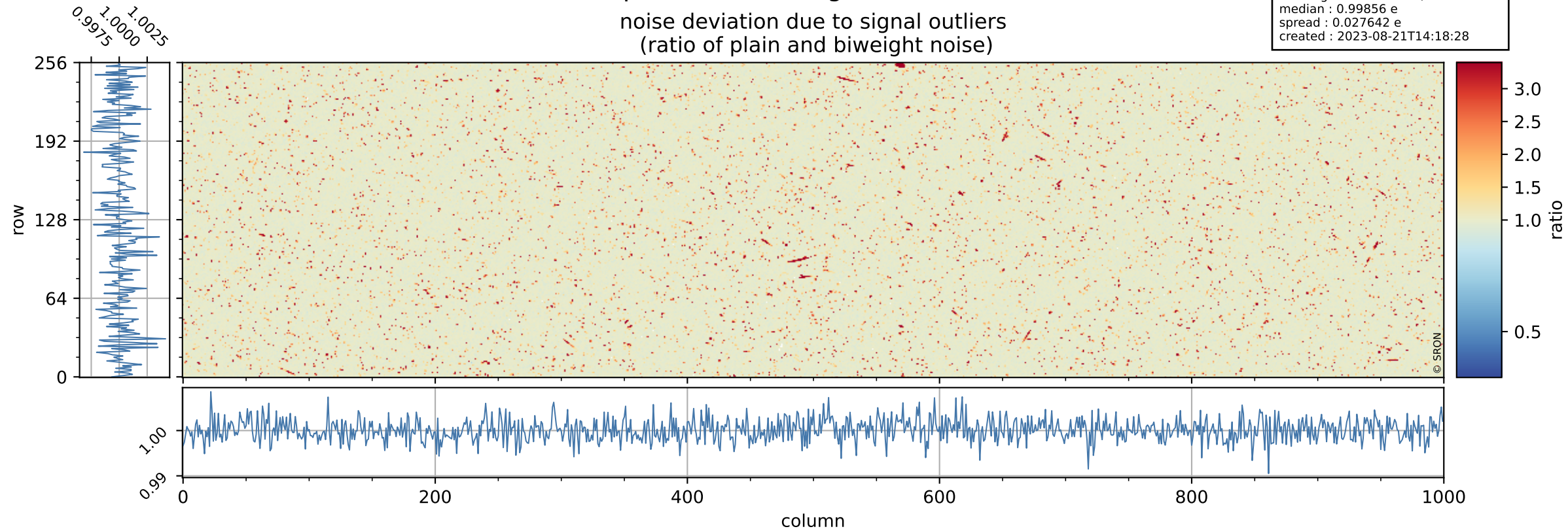
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

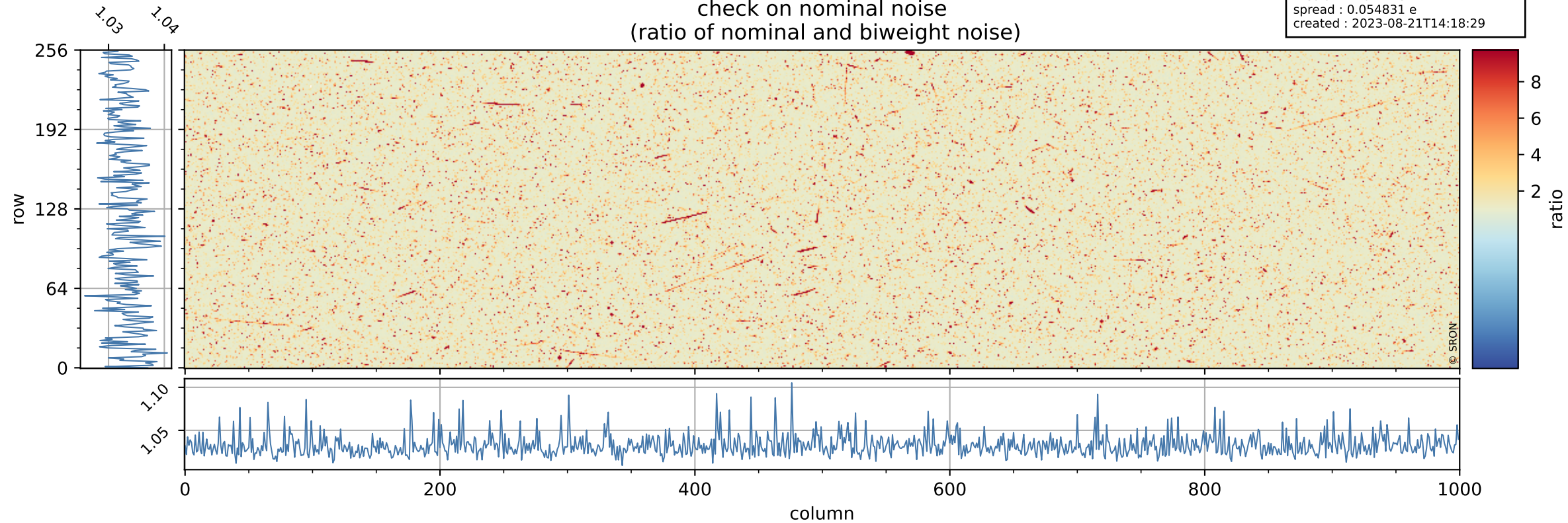
orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
median : 0.99856 e  
spread : 0.027642 e  
created : 2023-08-21T14:18:28



# Tropomi SWIR background noise (swir)

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

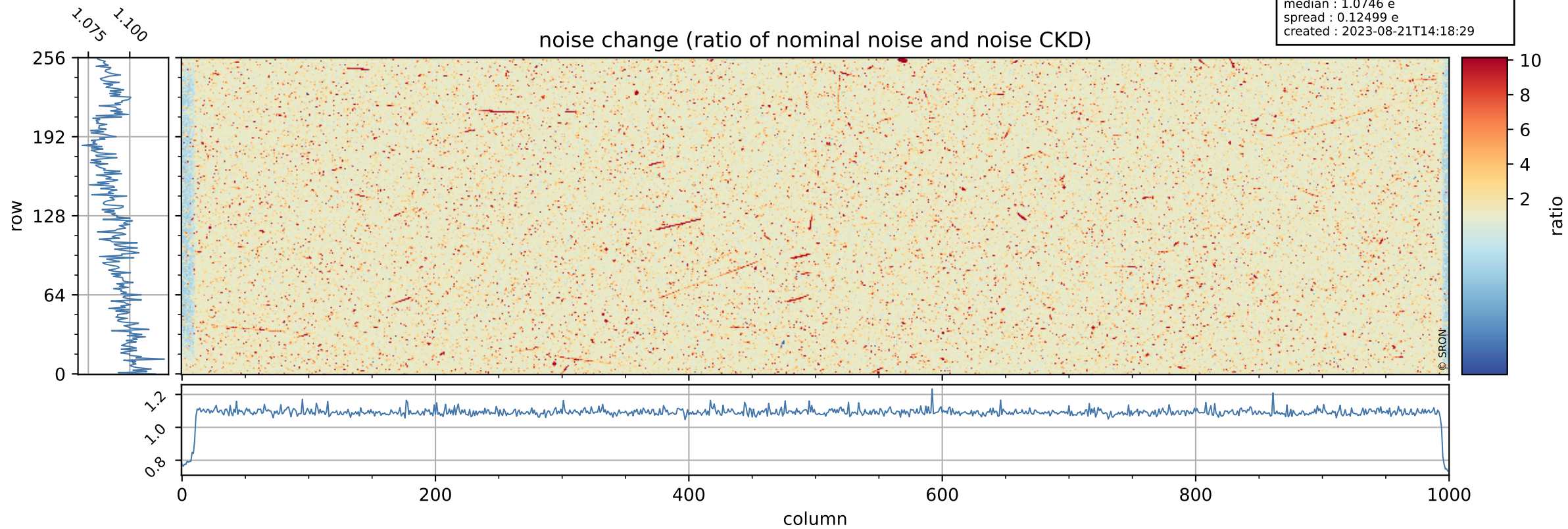
orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
median : 1.0241 e  
spread : 0.054831 e  
created : 2023-08-21T14:18:29



# Tropomi SWIR background noise (swir)

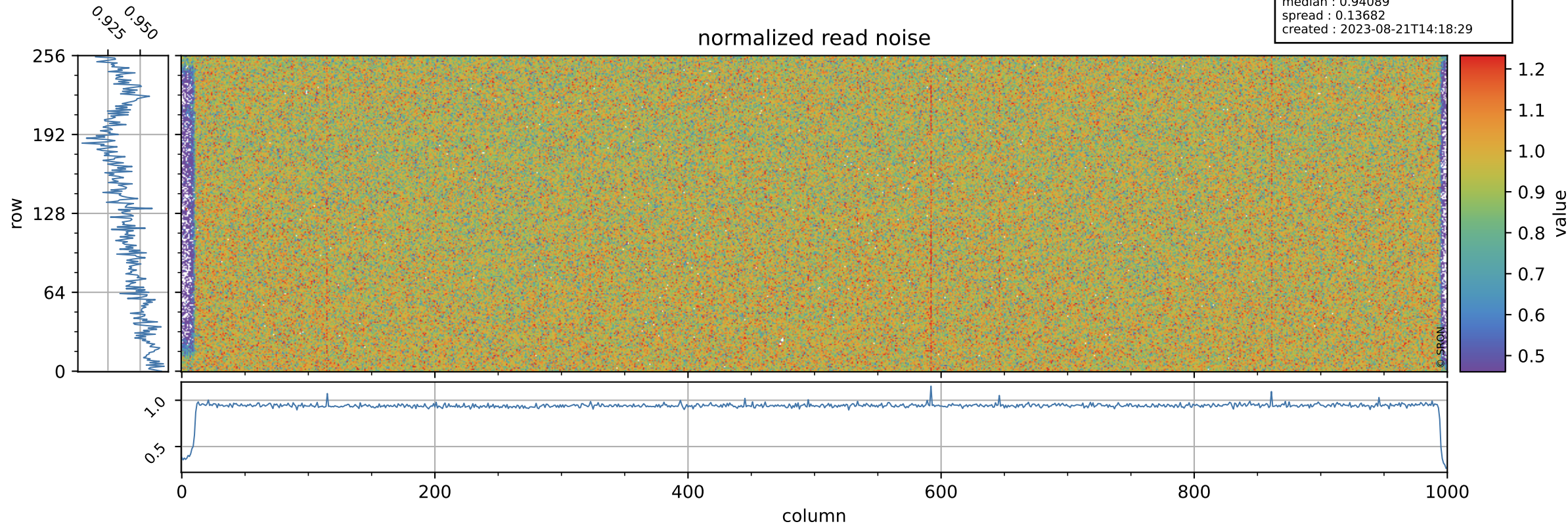
orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
median : 1.0746 e  
spread : 0.12499 e  
created : 2023-08-21T14:18:29

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

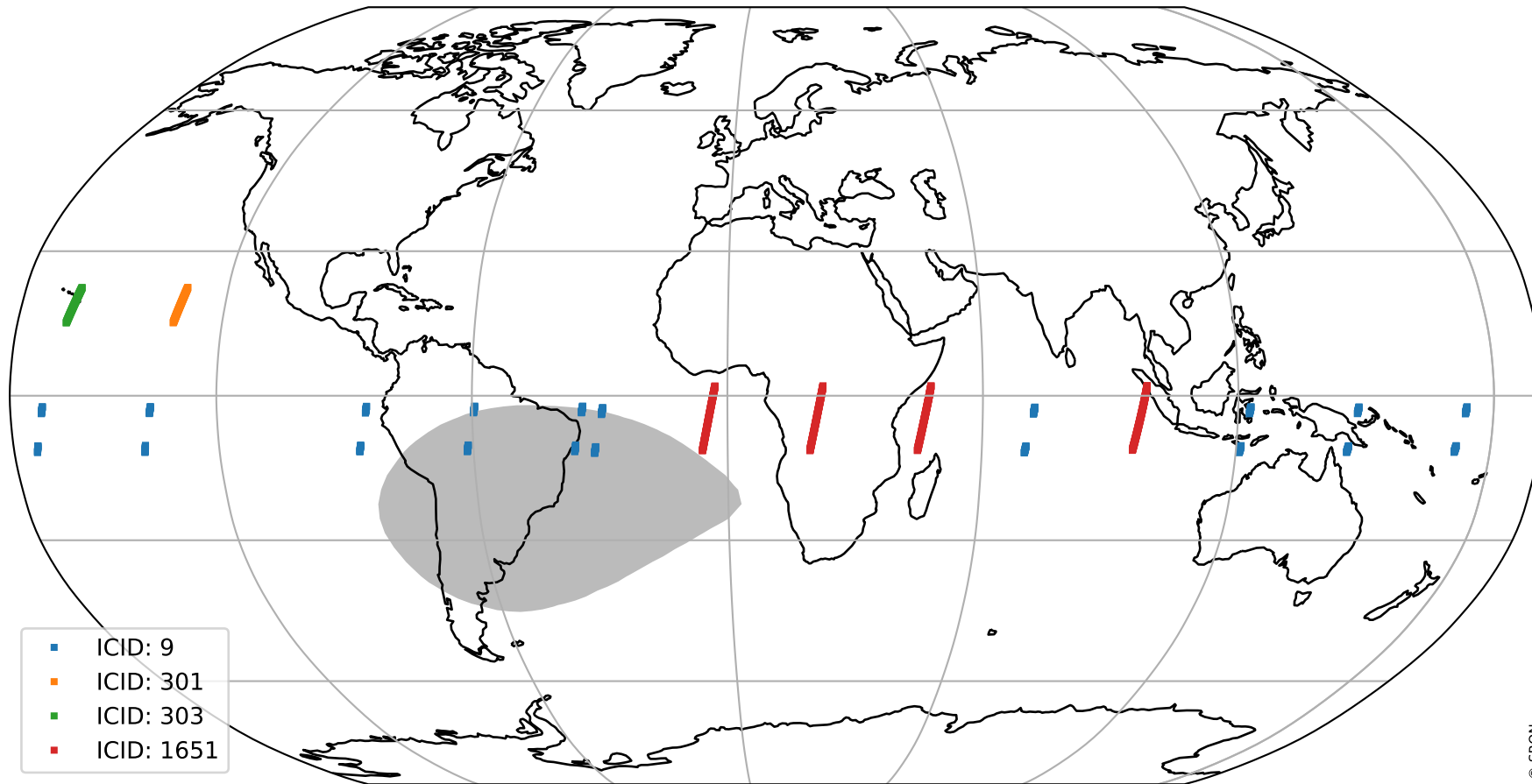
orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
median : 0.94089  
spread : 0.13682  
created : 2023-08-21T14:18:29





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

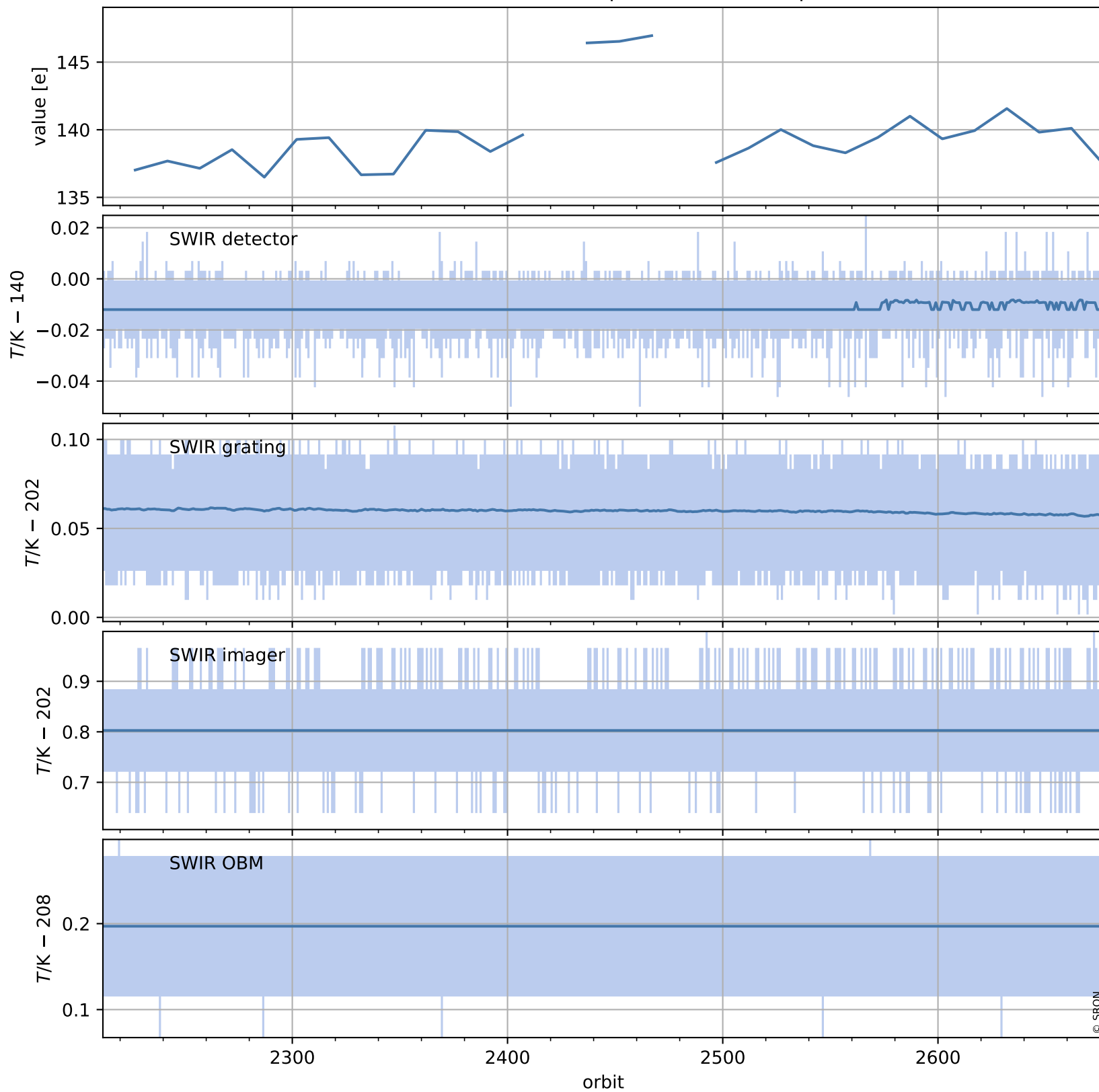
orbits : 10 in [2662, 2677]  
coverage : 2018-04-19 / 2018-04-20  
created : 2023-08-21T14:18:29



# Tropomi SWIR background noise (swir)

orbits : [2212, 2677]  
coverage : 2018-03-18 / 2018-04-20  
created : 2023-08-21T14:18:30

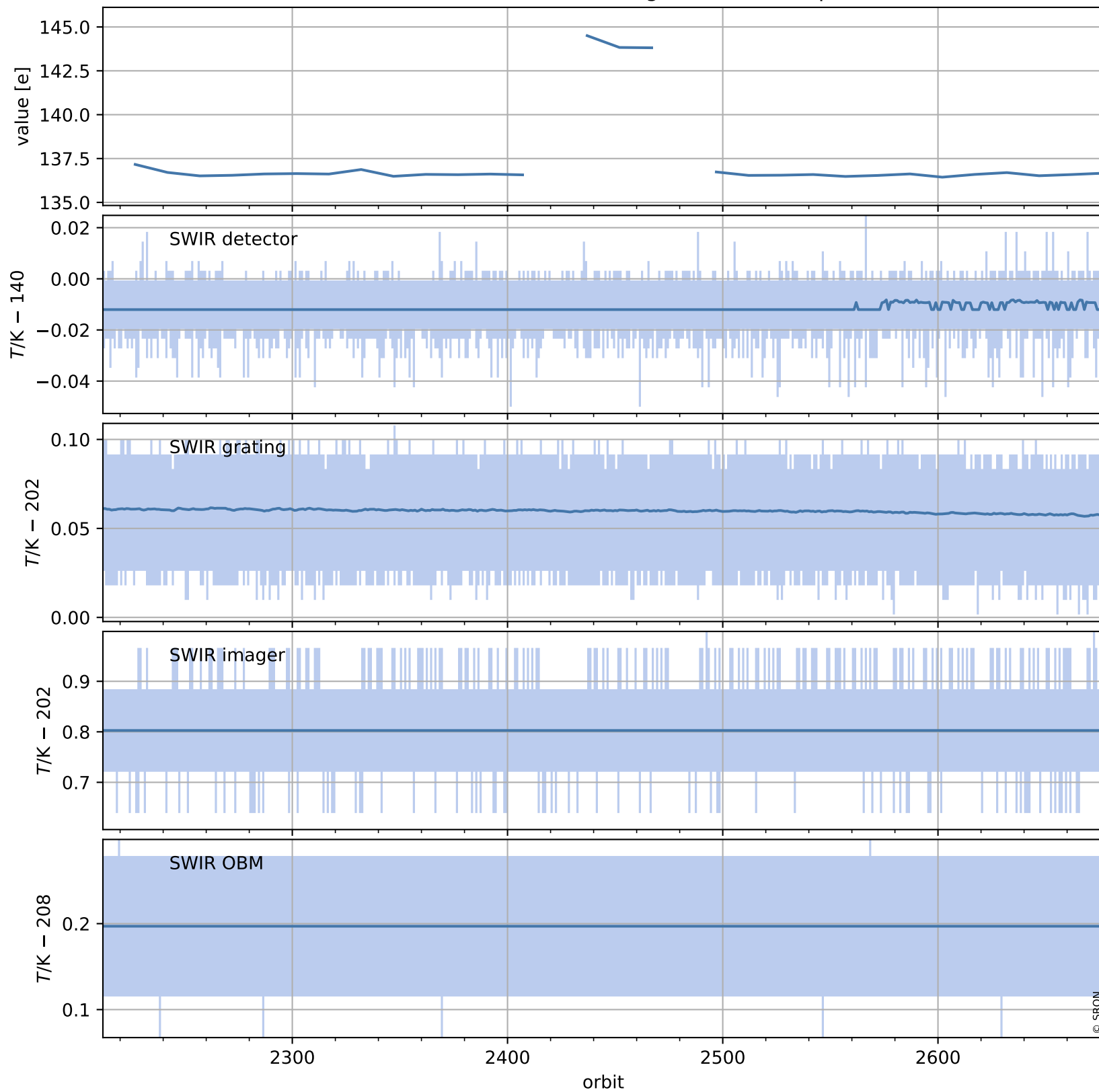
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2677]  
coverage : 2018-03-18 / 2018-04-20  
created : 2023-08-21T14:18:30

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2677]  
coverage : 2018-03-18 / 2018-04-20  
created : 2023-08-21T14:18:30

## trend of normalized read-noise & temperatures

