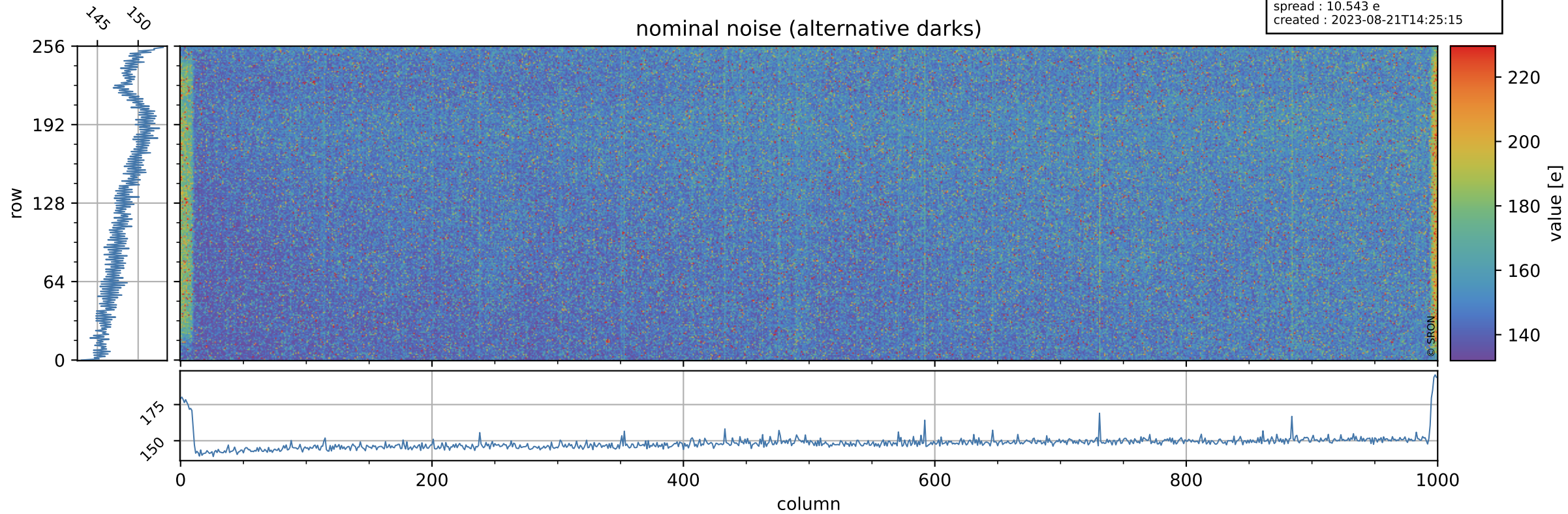


# Tropomi SWIR background noise (swir)

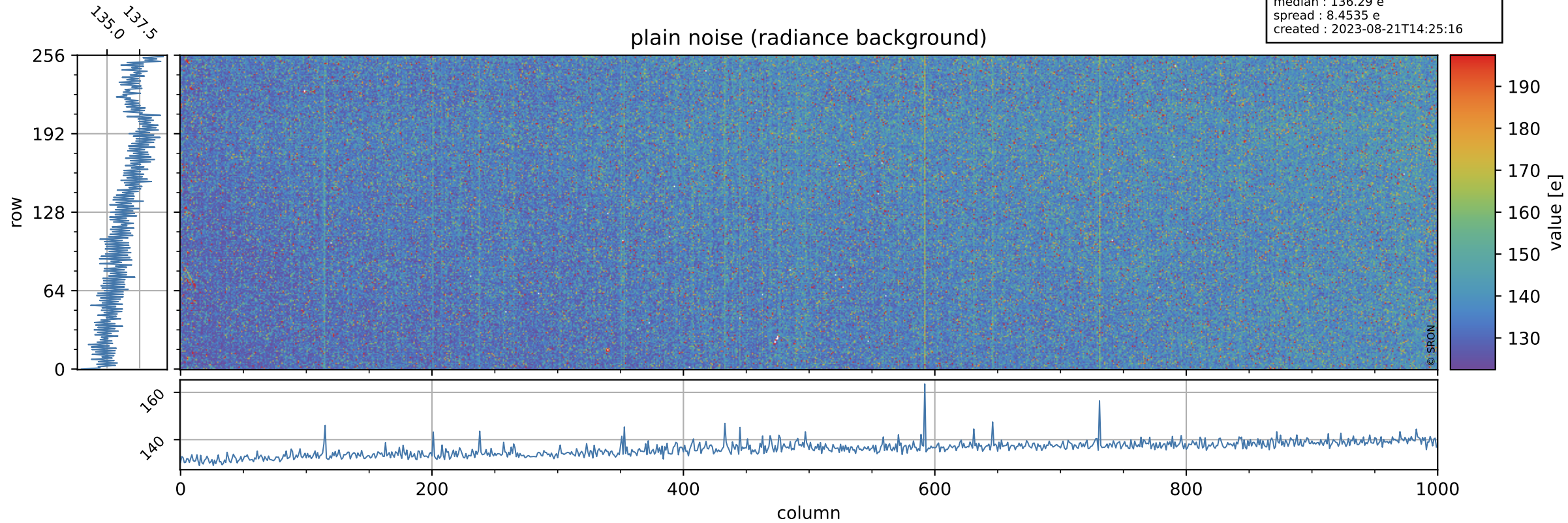
orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.25 e  
spread : 10.543 e  
created : 2023-08-21T14:25:15



# Tropomi SWIR background noise (swir)

orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
n\_coad, t\_exp : 2, 0.5383  
median : 136.29 e  
spread : 8.4535 e  
created : 2023-08-21T14:25:16

## plain noise (radiance background)

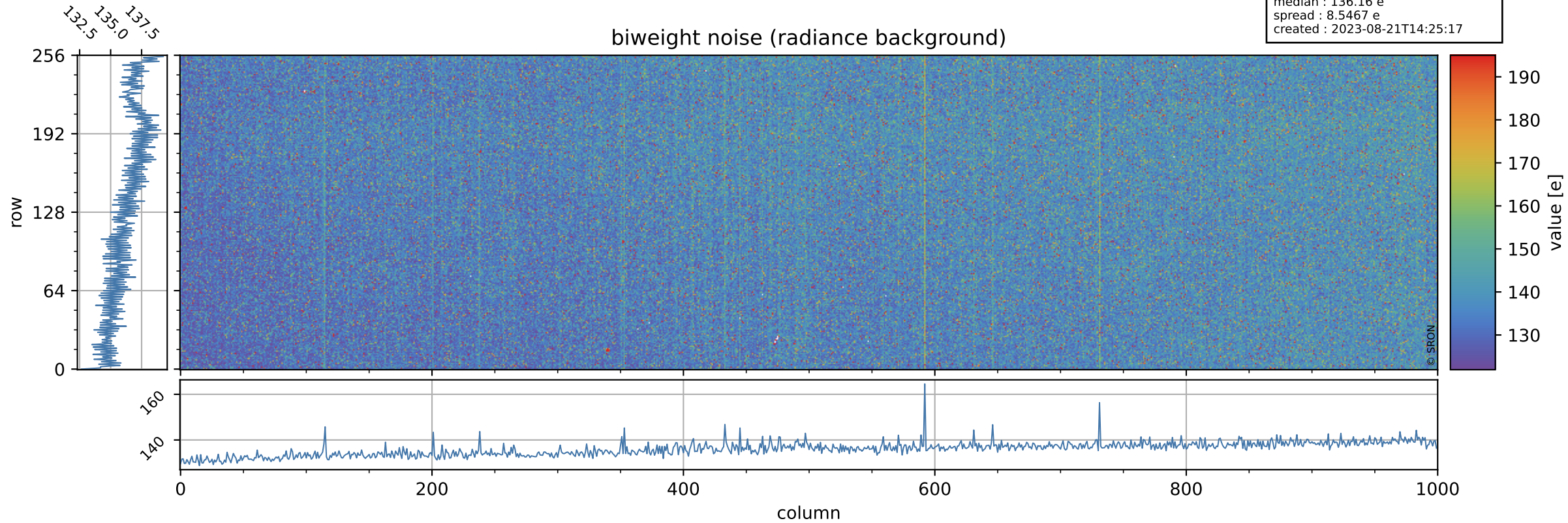




# Tropomi SWIR background noise (swir)

orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.5467 e  
created : 2023-08-21T14:25:17

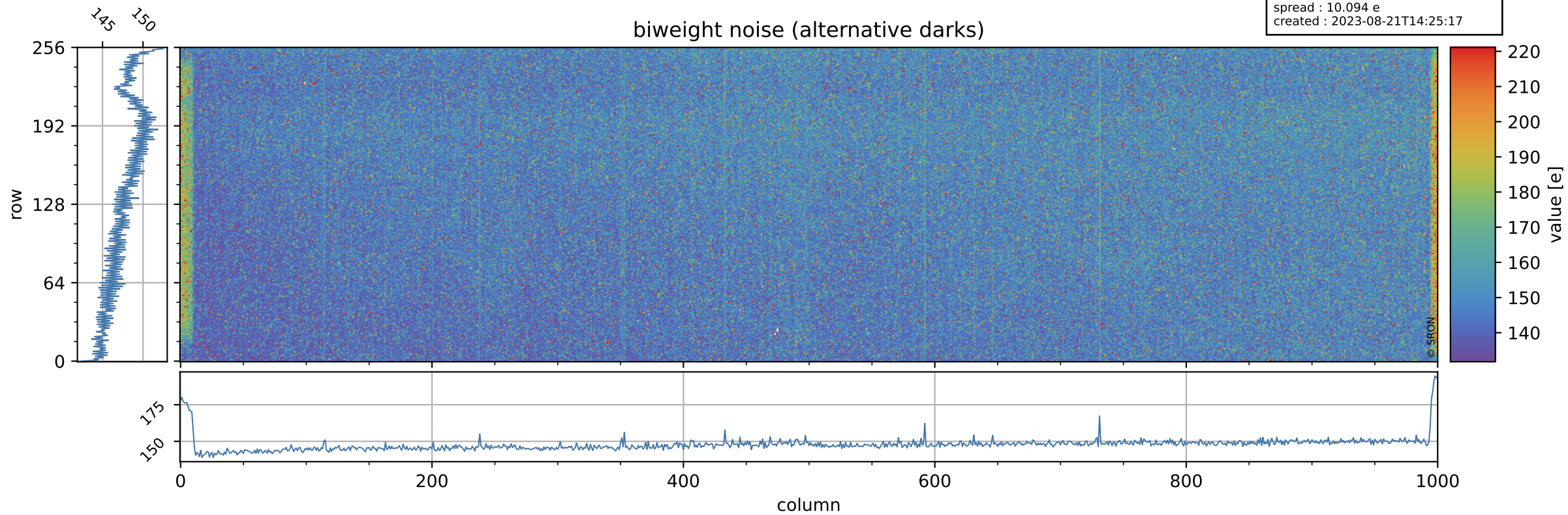
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 10.094 e  
created : 2023-08-21T14:25:17

## biweight noise (alternative darks)

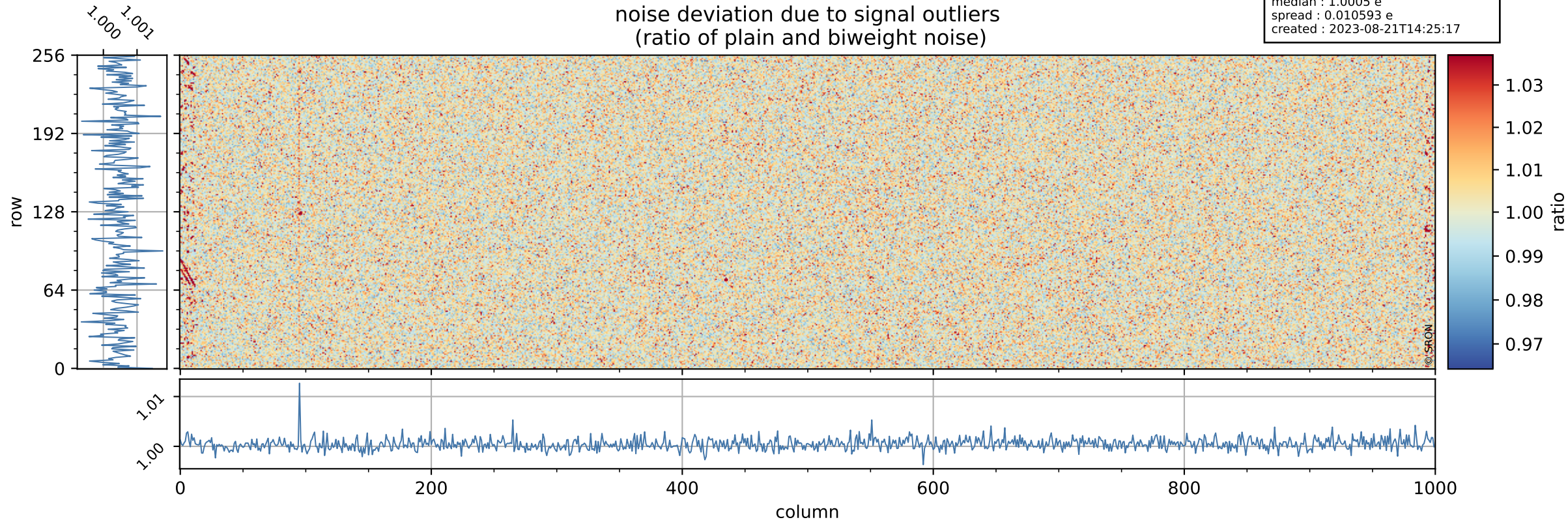




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
median : 1.0005 e  
spread : 0.010593 e  
created : 2023-08-21T14:25:17

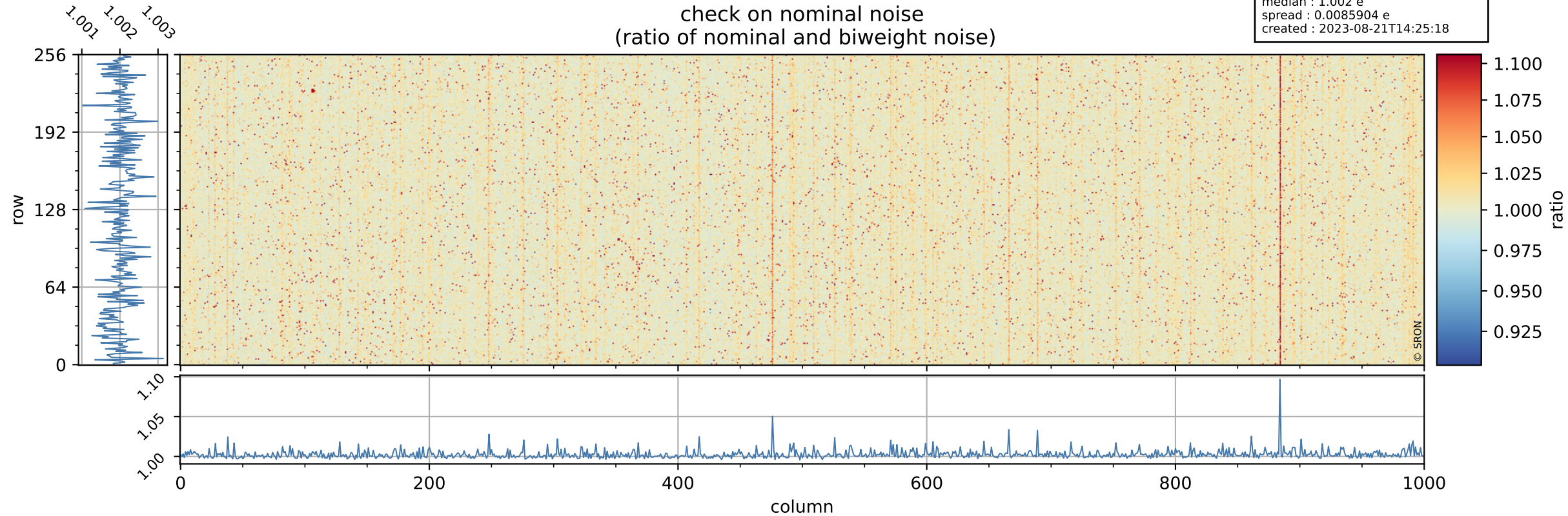




# Tropomi SWIR background noise (swir)

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

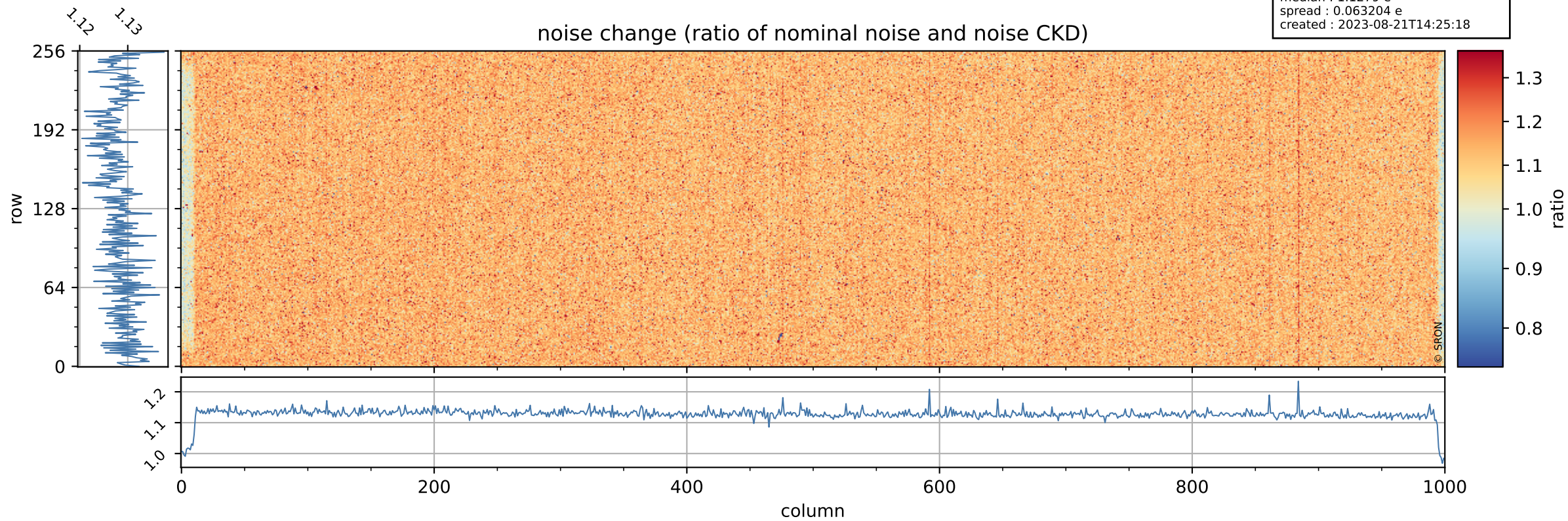
orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
median : 1.002 e  
spread : 0.0085904 e  
created : 2023-08-21T14:25:18



# Tropomi SWIR background noise (swir)

orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
median : 1.1279 e  
spread : 0.063204 e  
created : 2023-08-21T14:25:18

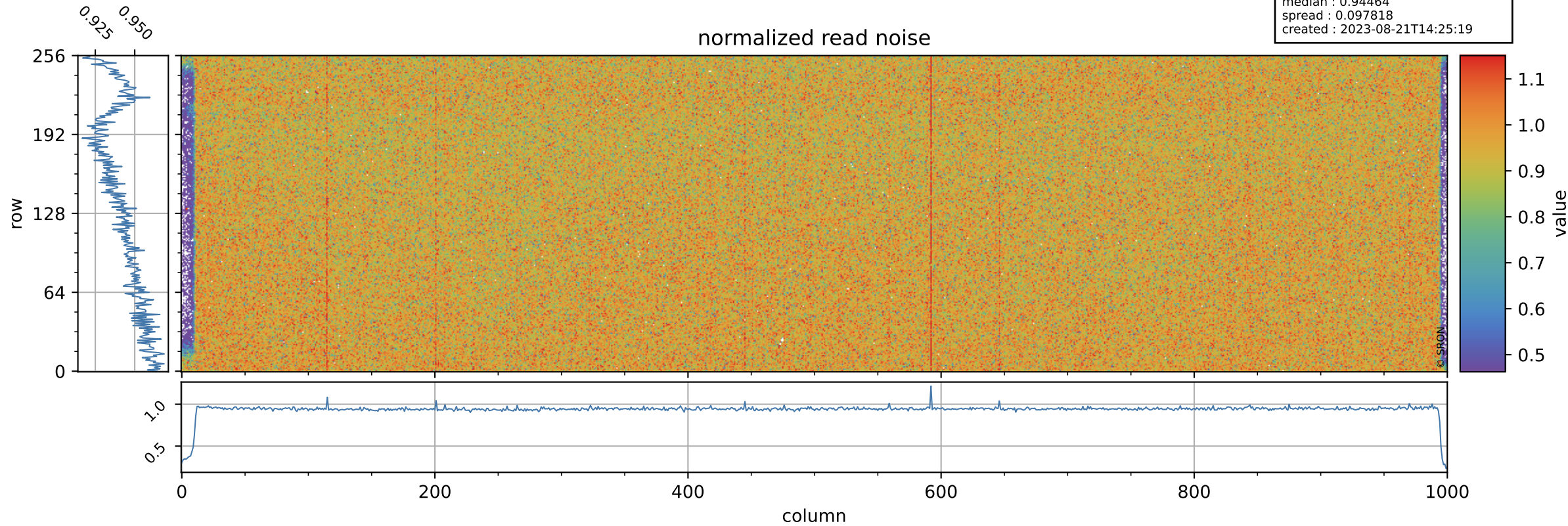
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

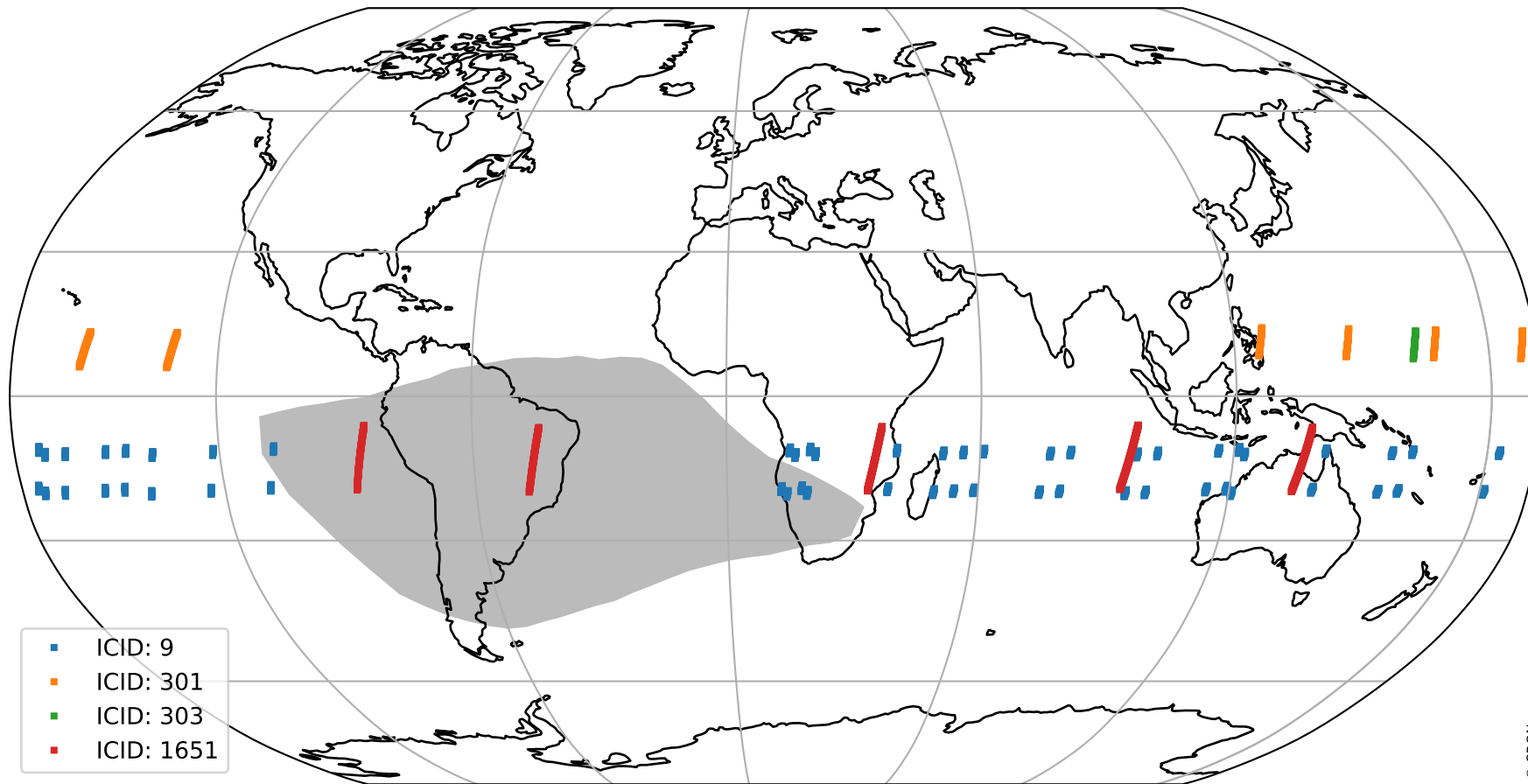
orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
median : 0.94464  
spread : 0.097818  
created : 2023-08-21T14:25:19





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

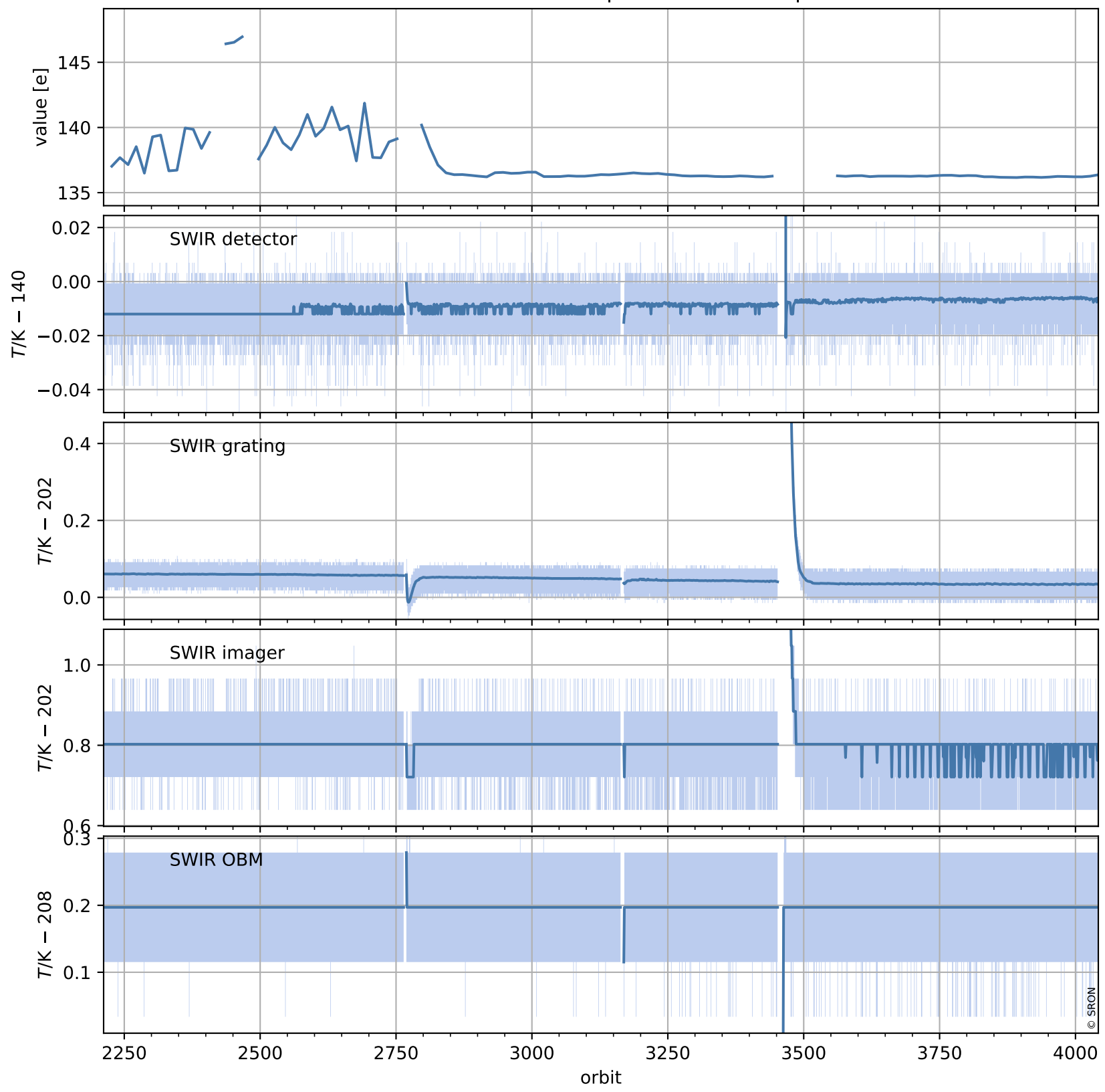
orbits : 12 in [3952, 4042]  
coverage : 2018-07-19 / 2018-07-24  
created : 2023-08-21T14:25:19



# Tropomi SWIR background noise (swir)

orbits : [2212, 4042]  
coverage : 2018-03-18 / 2018-07-24  
created : 2023-08-21T14:25:20

## trend of detector median of plain noise & temperatures

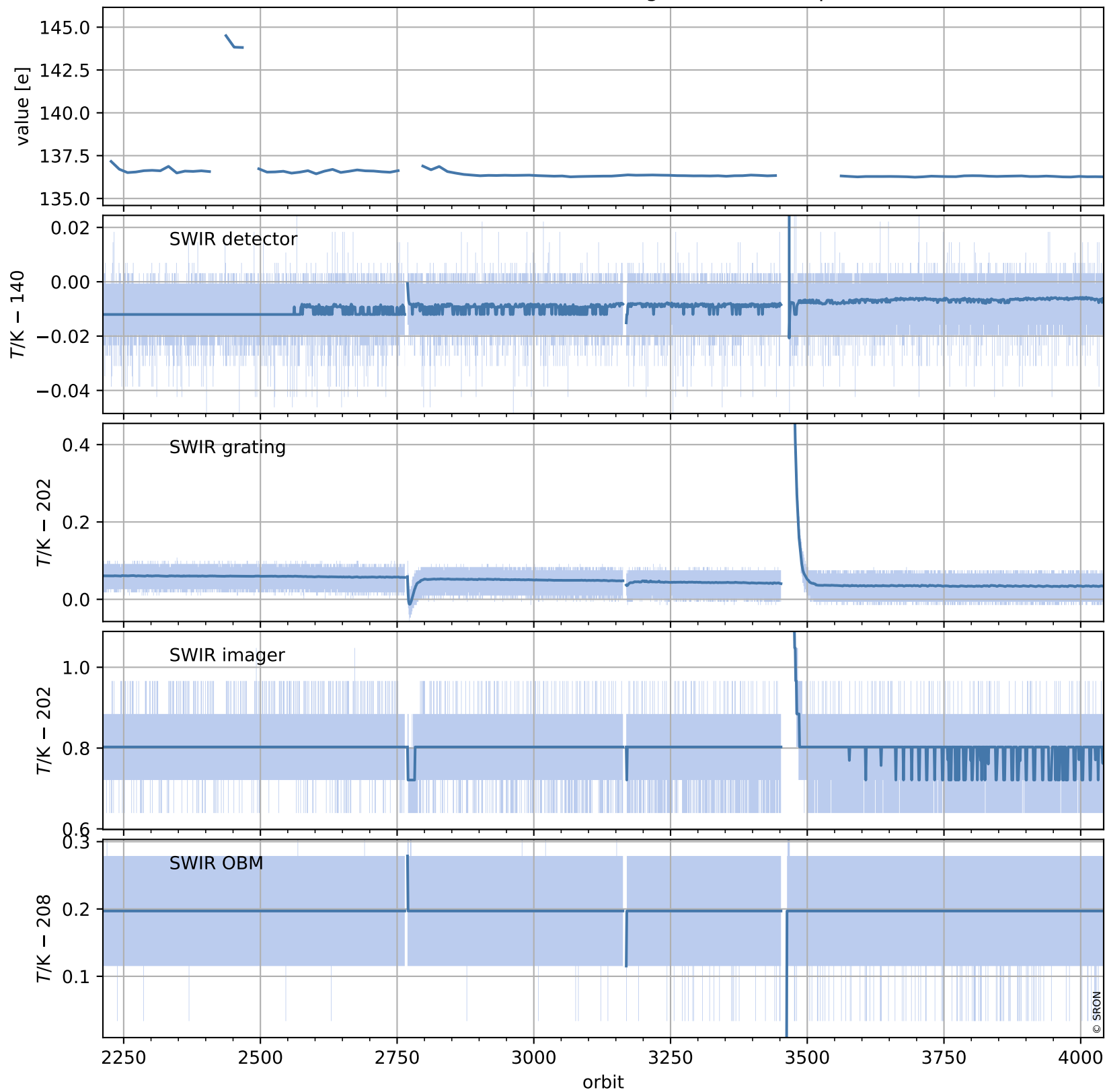




# Tropomi SWIR background noise (swir)

orbits : [2212, 4042]  
coverage : 2018-03-18 / 2018-07-24  
created : 2023-08-21T14:25:20

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4042]  
coverage : 2018-03-18 / 2018-07-24  
created : 2023-08-21T14:25:21

## trend of normalized read-noise & temperatures

