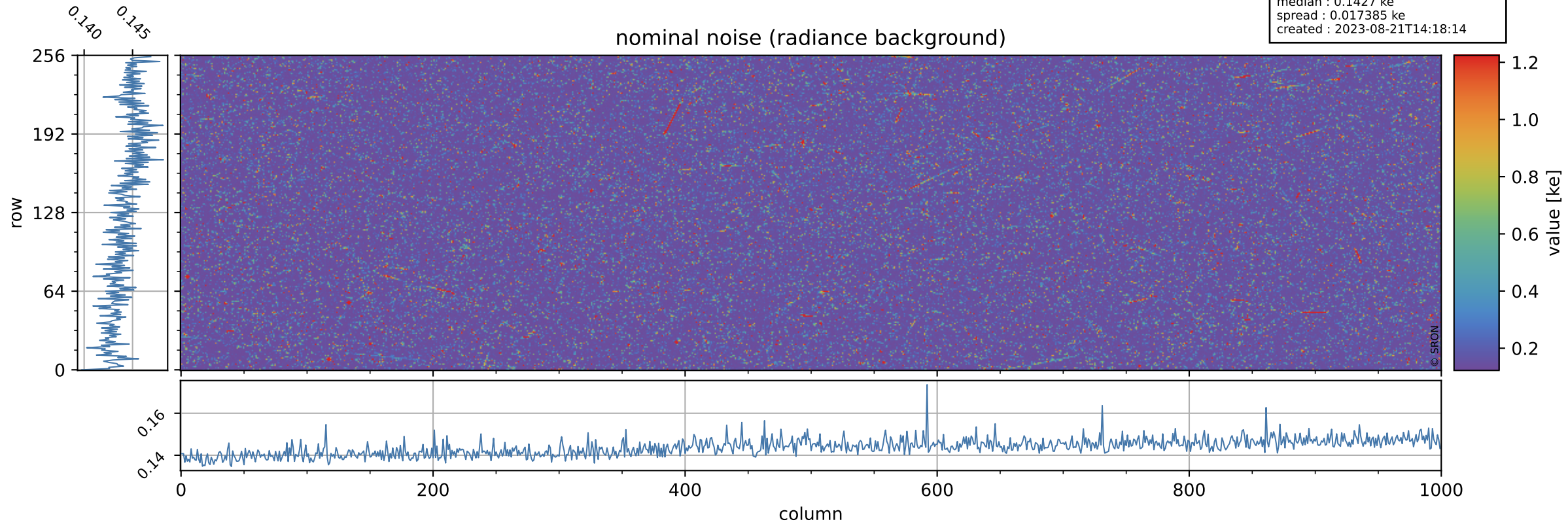


# Tropomi SWIR background noise (swir)

orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
n\_coad, t\_exp : 2, 0.5383  
median : 0.1427 ke  
spread : 0.017385 ke  
created : 2023-08-21T14:18:14

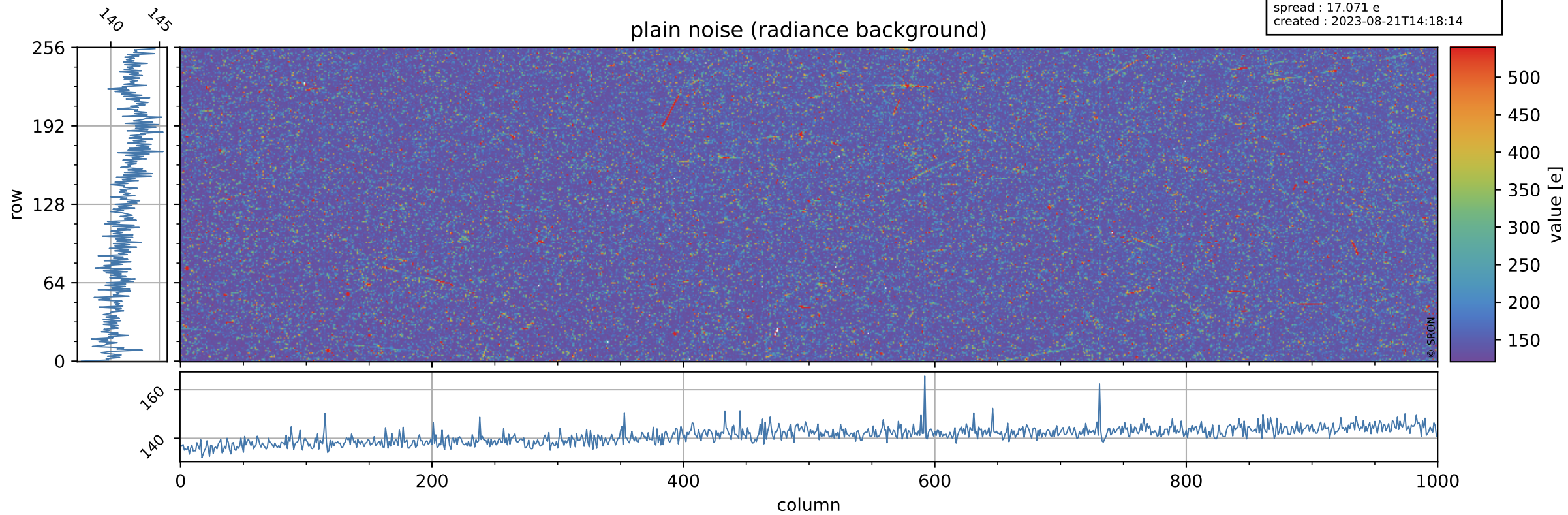
nominal noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
n\_coad, t\_exp : 2, 0.5383  
median : 140.8 e  
spread : 17.071 e  
created : 2023-08-21T14:18:14

plain noise (radiance background)

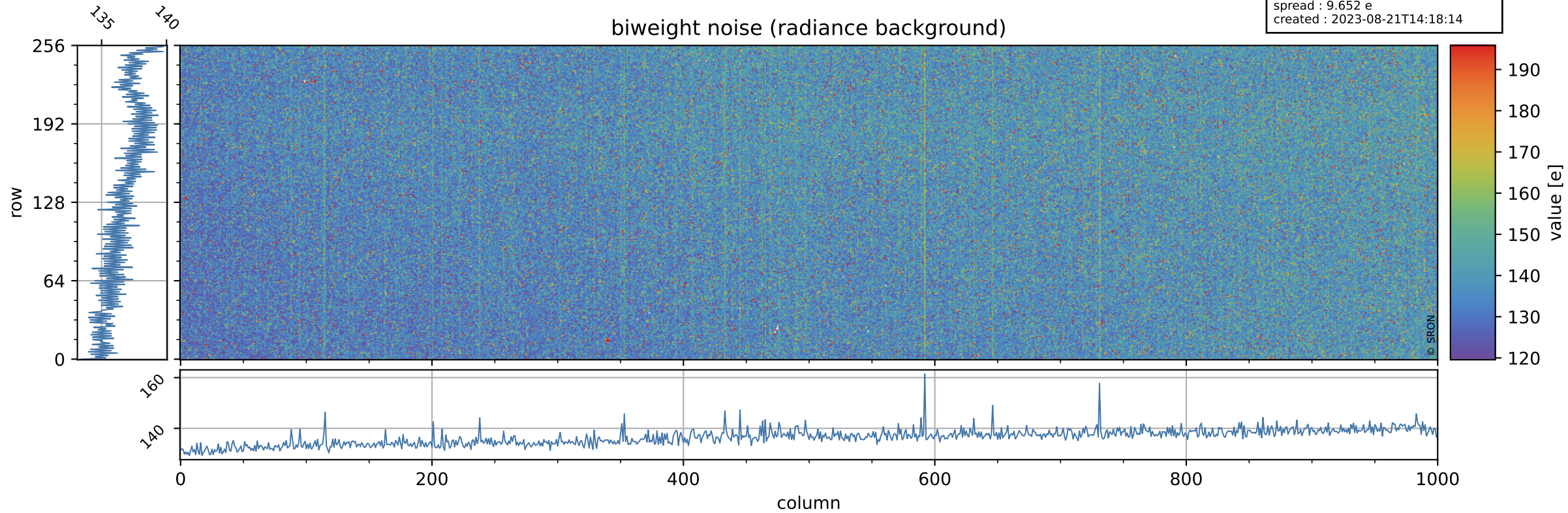




# Tropomi SWIR background noise (swir)

orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.59 e  
spread : 9.652 e  
created : 2023-08-21T14:18:14

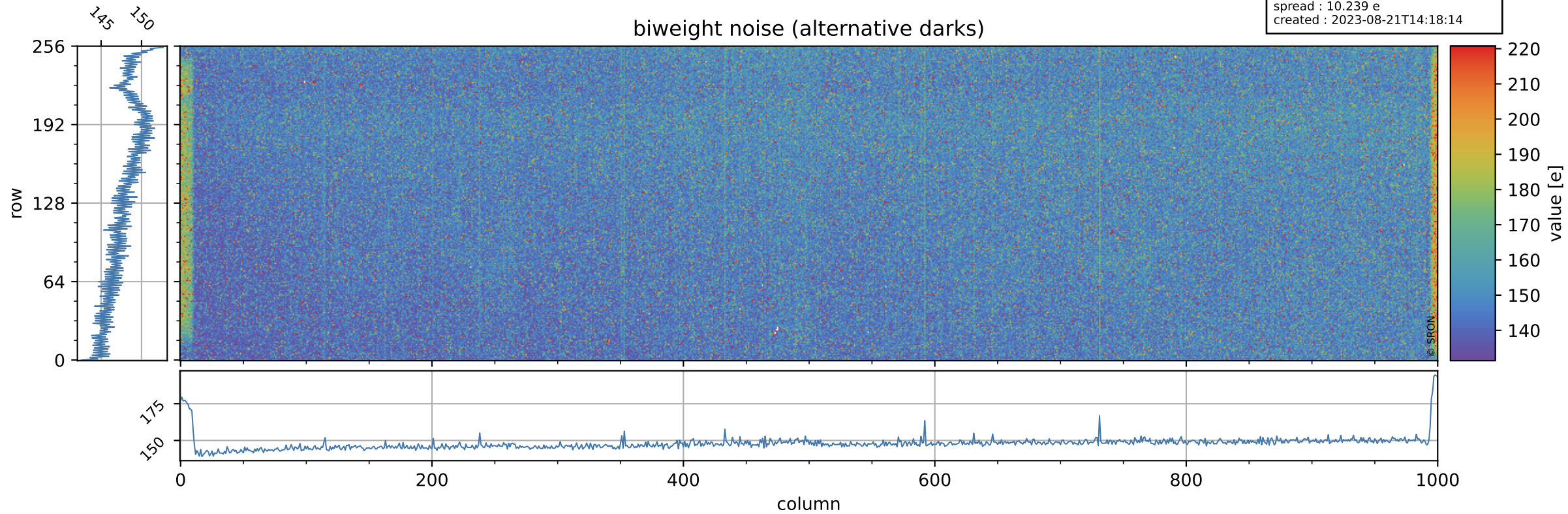
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.239 e  
created : 2023-08-21T14:18:14

## biweight noise (alternative darks)

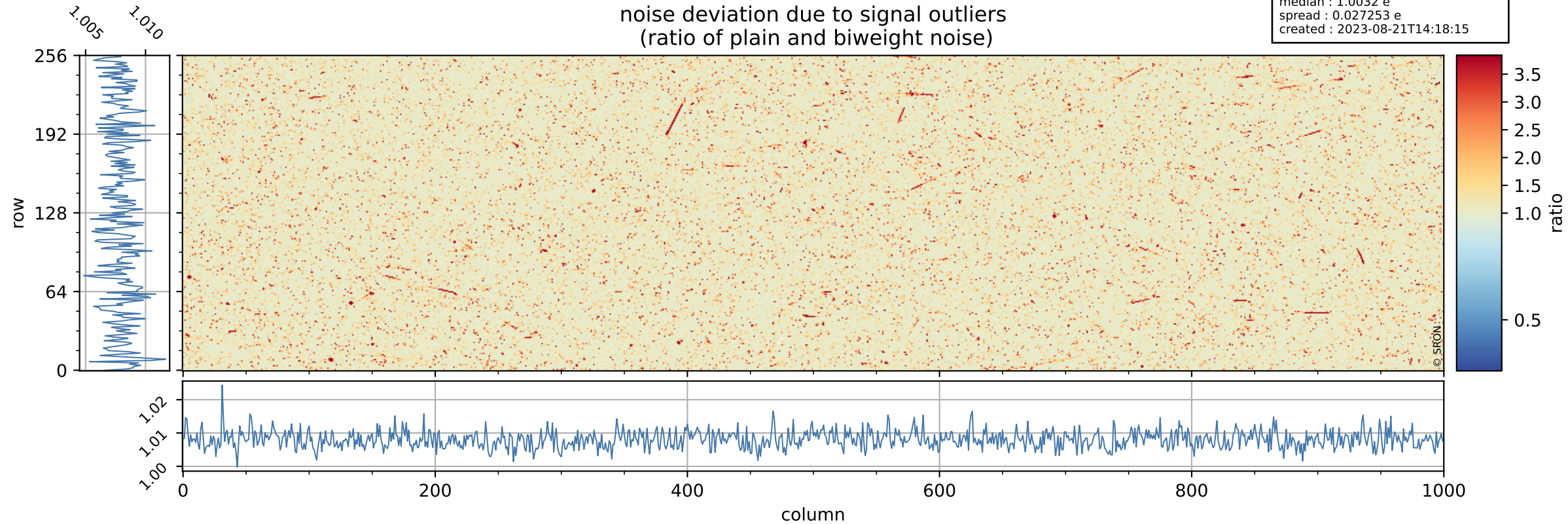




# Tropomi SWIR background noise (swir)

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

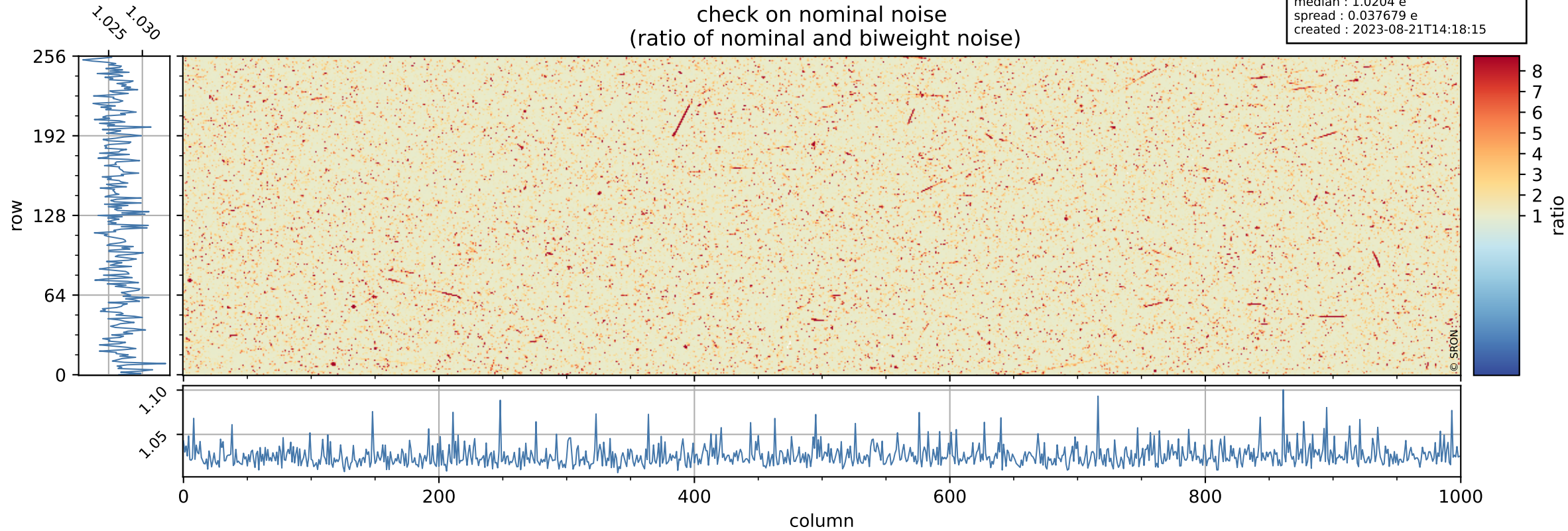
orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
median : 1.0032 e  
spread : 0.027253 e  
created : 2023-08-21T14:18:15



# Tropomi SWIR background noise (swir)

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

orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
median : 1.0204 e  
spread : 0.037679 e  
created : 2023-08-21T14:18:15

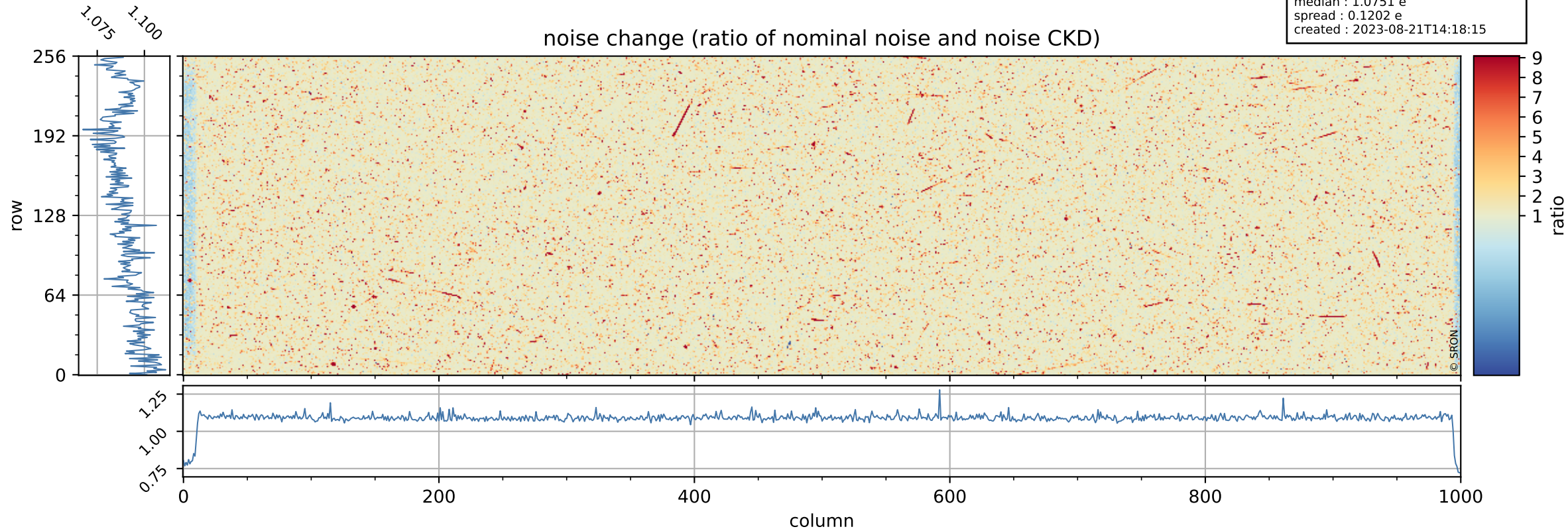




# Tropomi SWIR background noise (swir)

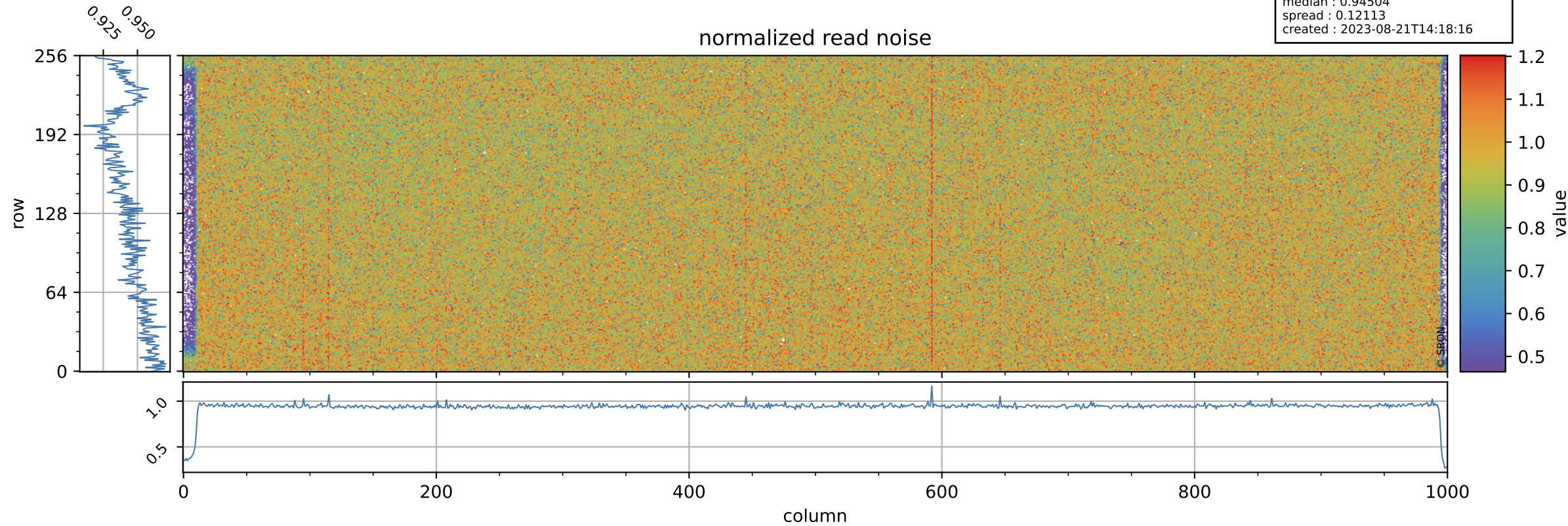
orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
median : 1.0751 e  
spread : 0.1202 e  
created : 2023-08-21T14:18:15

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

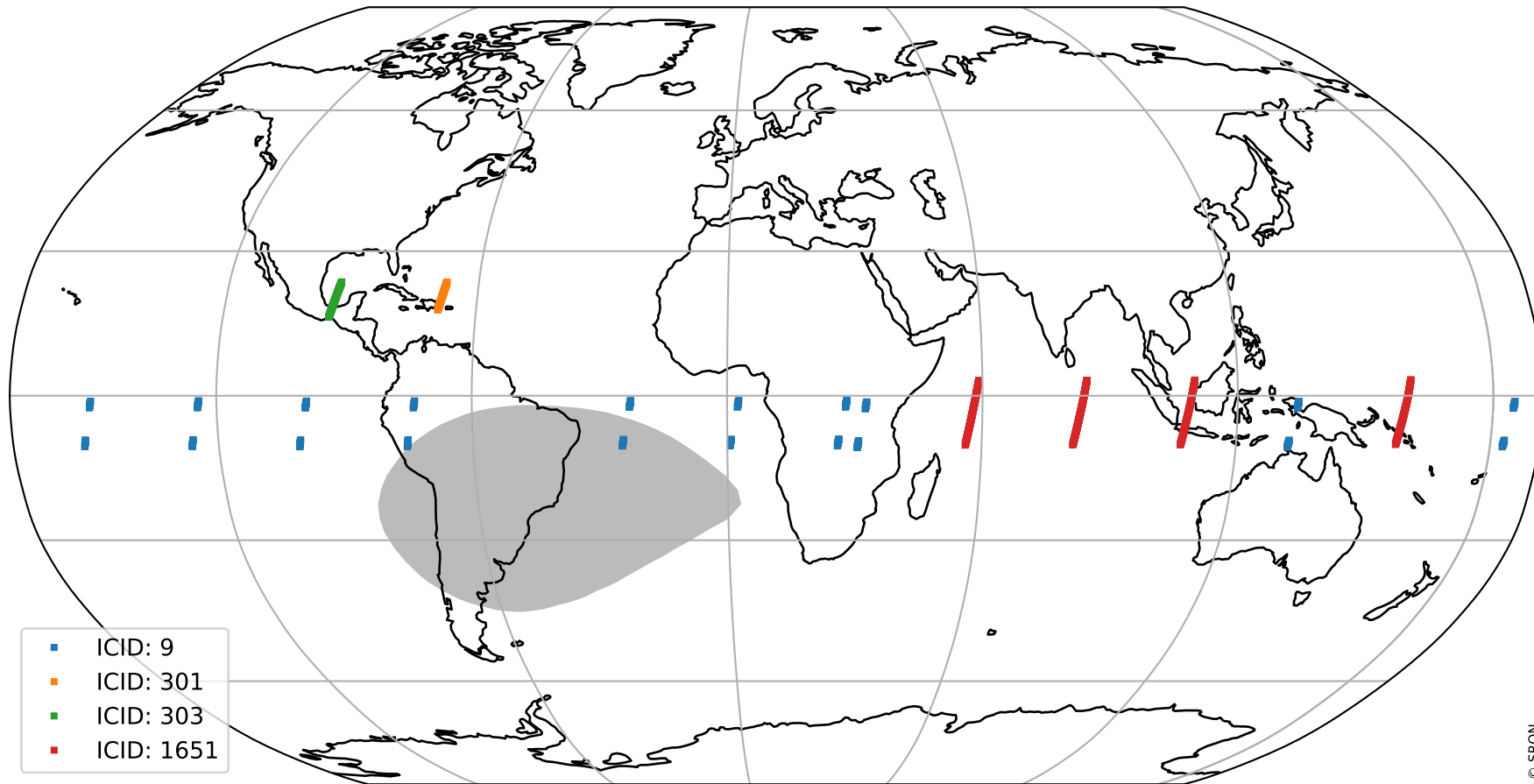
orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
median : 0.94504  
spread : 0.12113  
created : 2023-08-21T14:18:16





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

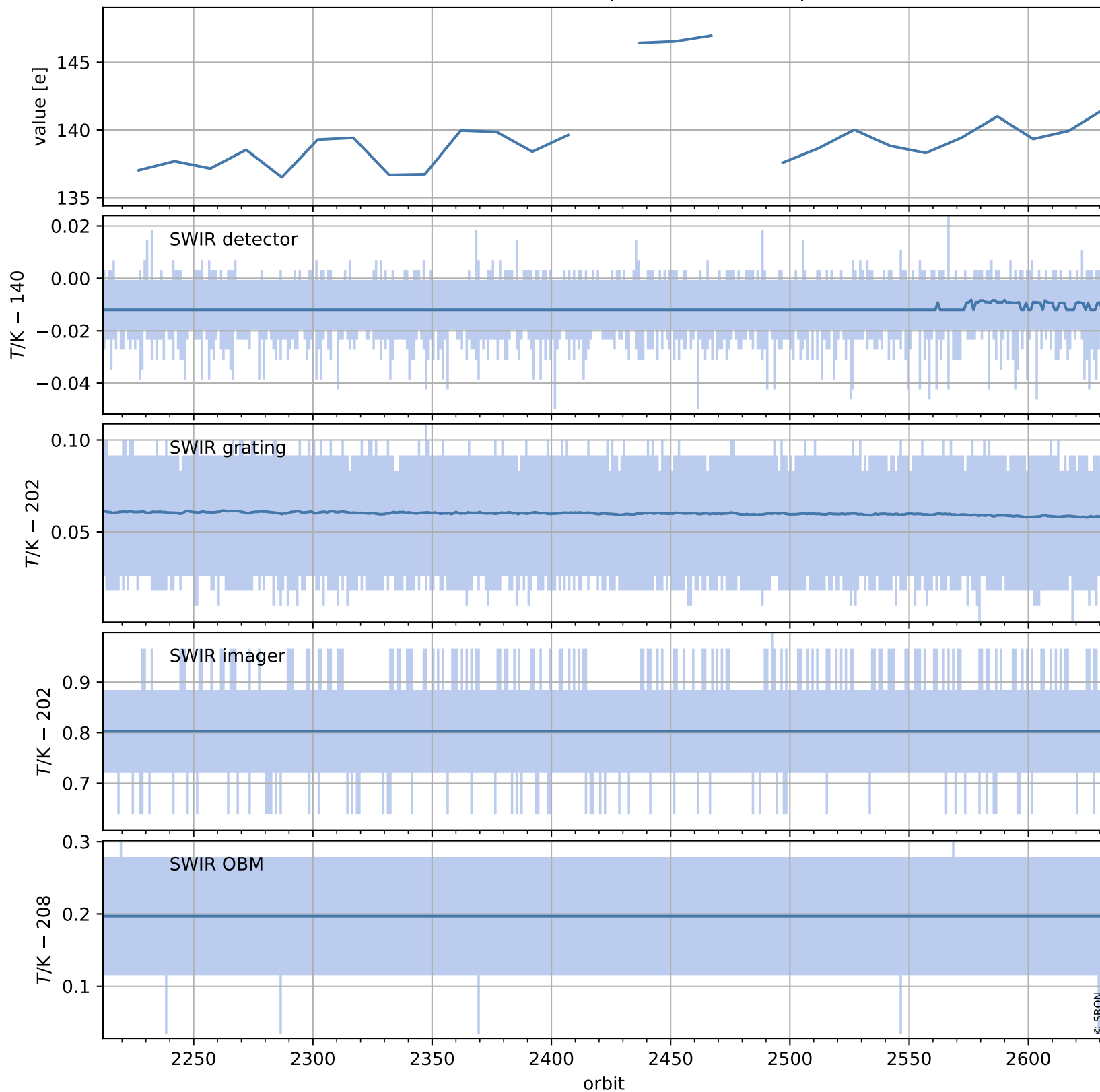
orbits : 10 in [2617, 2632]  
coverage : 2018-04-15 / 2018-04-16  
created : 2023-08-21T14:18:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 2632]  
coverage : 2018-03-18 / 2018-04-16  
created : 2023-08-21T14:18:16

## trend of detector median of plain noise & temperatures

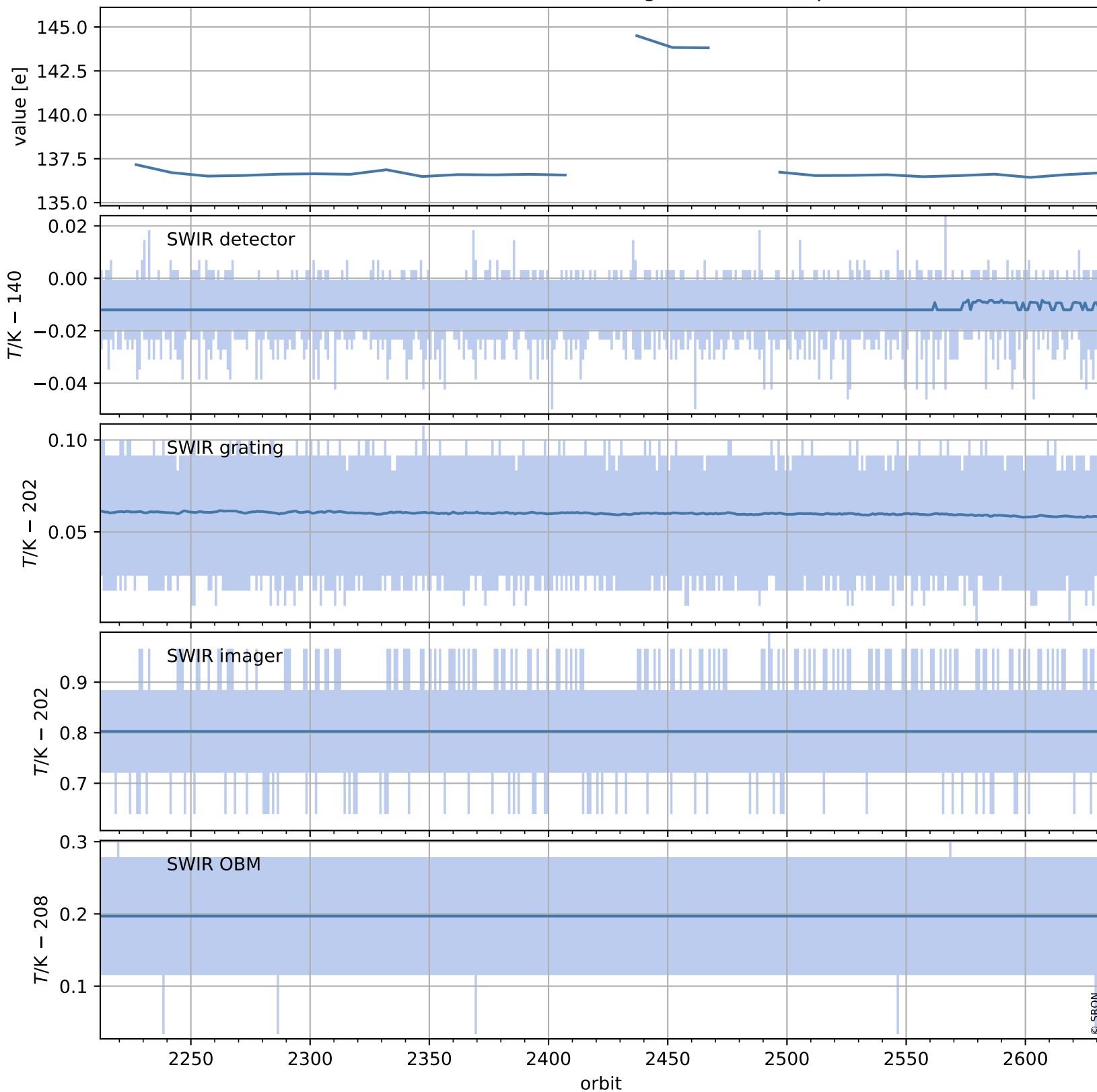




# Tropomi SWIR background noise (swir)

orbits : [2212, 2632]  
coverage : 2018-03-18 / 2018-04-16  
created : 2023-08-21T14:18:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2632]  
coverage : 2018-03-18 / 2018-04-16  
created : 2023-08-21T14:18:17

## trend of normalized read-noise & temperatures

