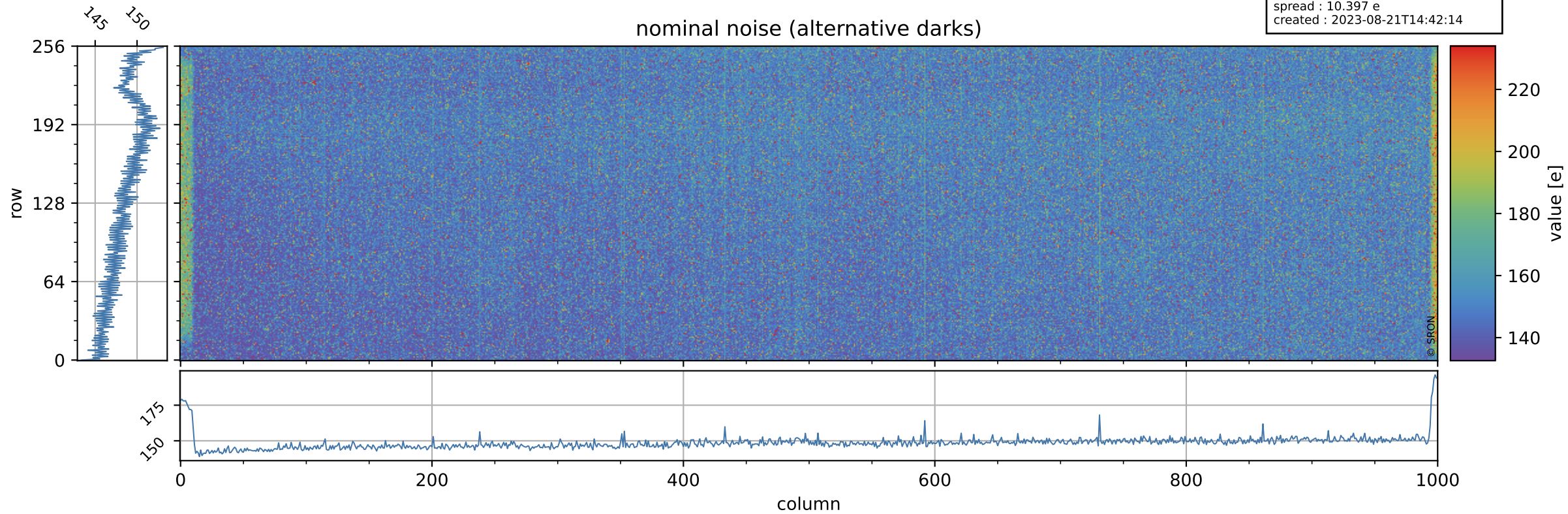


# Tropomi SWIR background noise (swir)

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.4 e  
spread : 10.397 e  
created : 2023-08-21T14:42:14

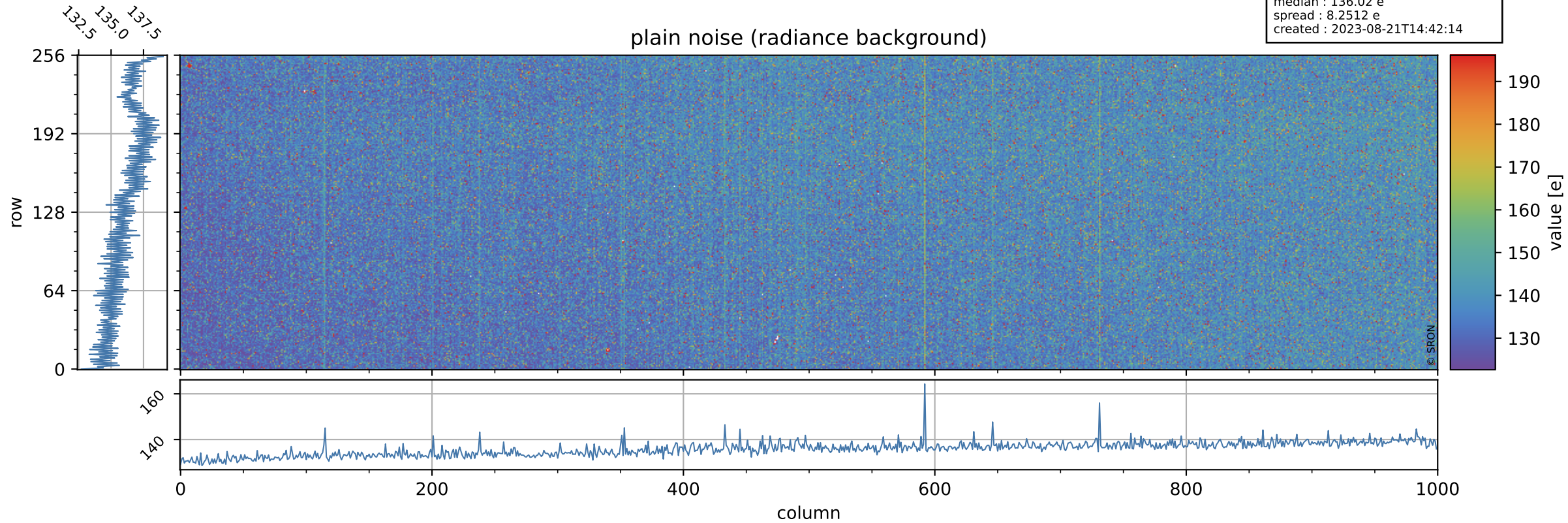
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.02 e  
spread : 8.2512 e  
created : 2023-08-21T14:42:14

## plain noise (radiance background)

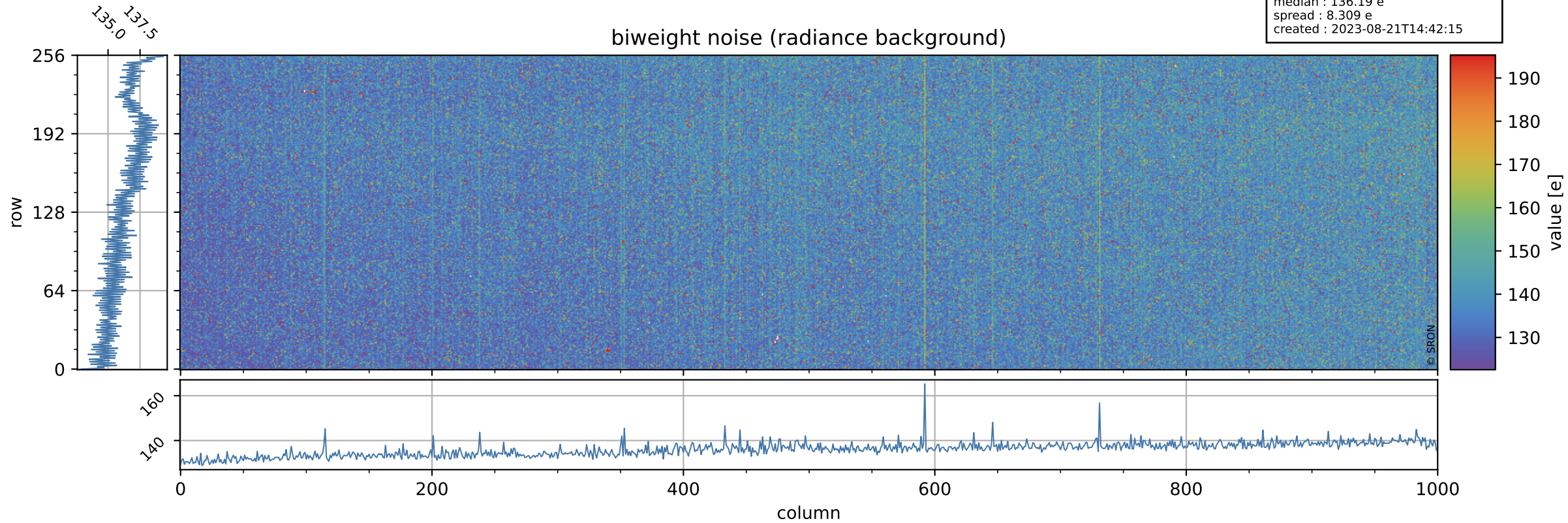




# Tropomi SWIR background noise (swir)

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.309 e  
created : 2023-08-21T14:42:15

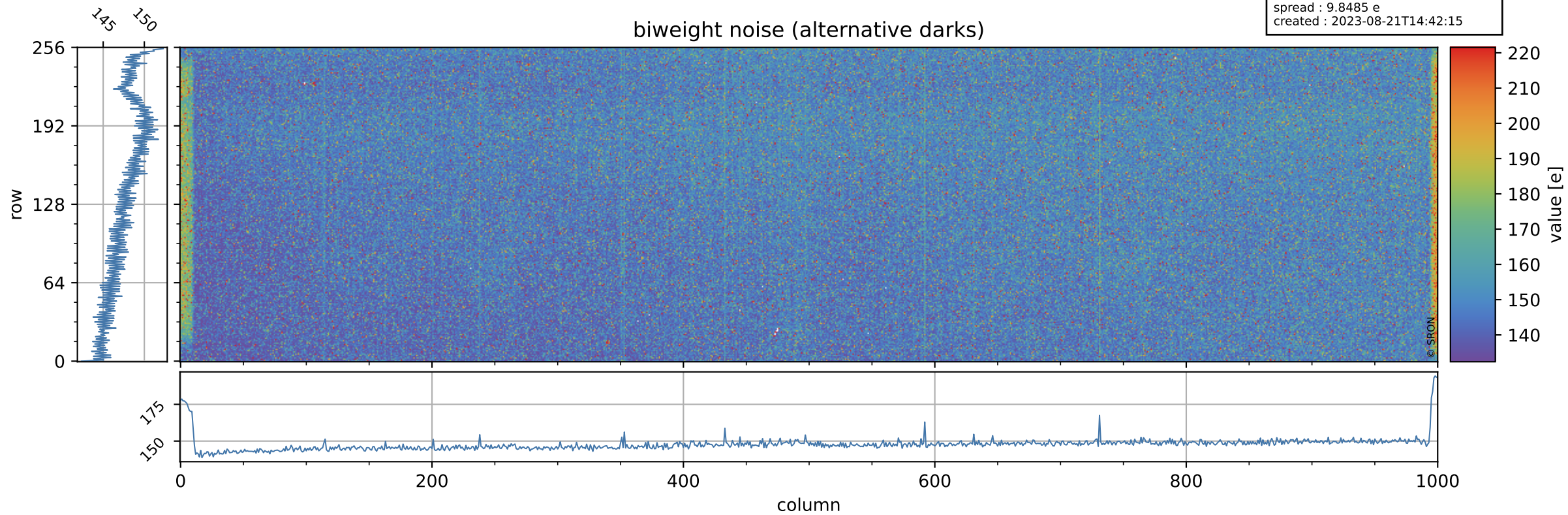
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.8485 e  
created : 2023-08-21T14:42:15

## biweight noise (alternative darks)

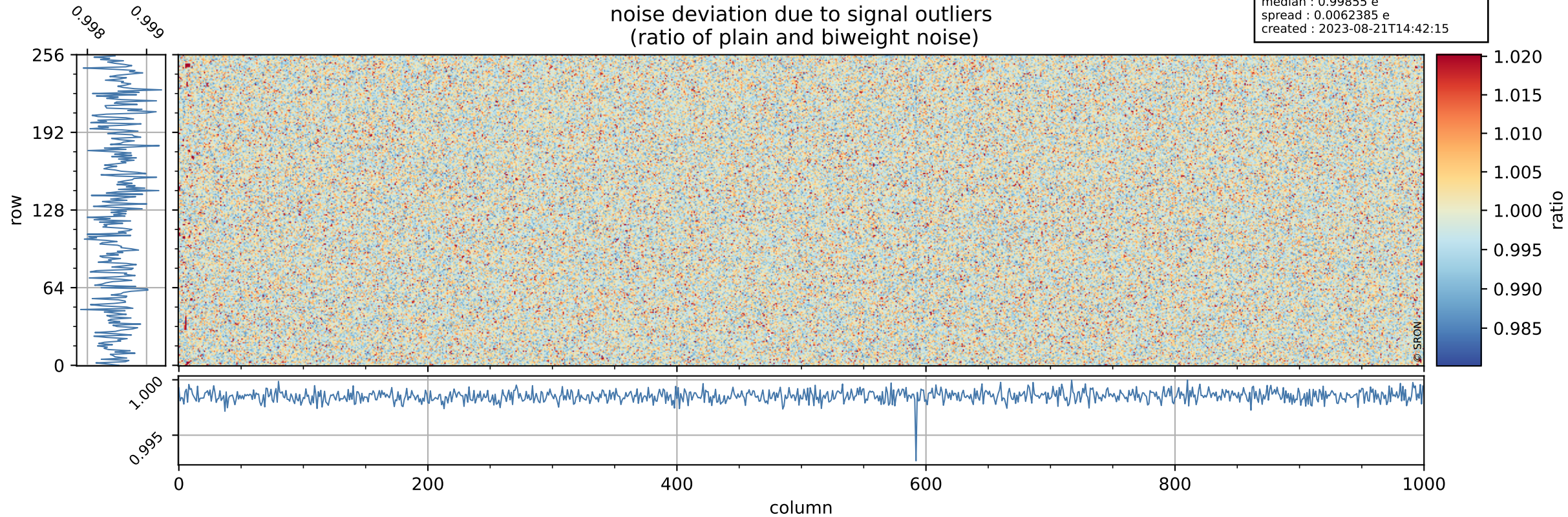




# Tropomi SWIR background noise (swir)

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

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
median : 0.99855 e  
spread : 0.0062385 e  
created : 2023-08-21T14:42:15

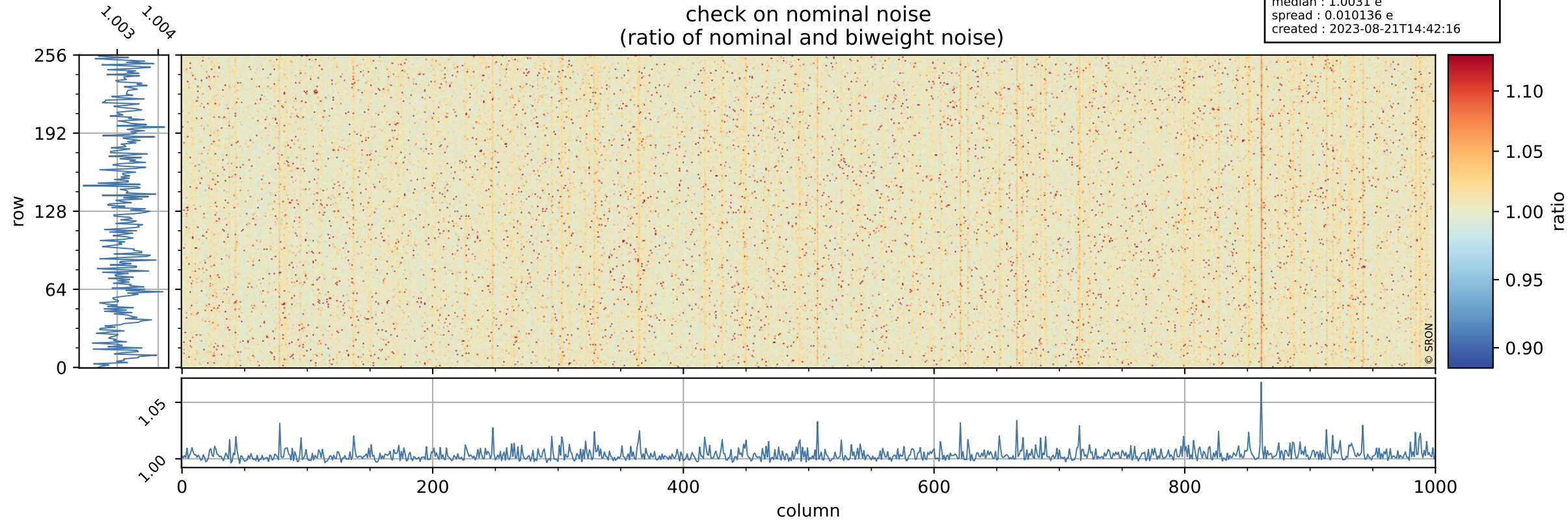




# Tropomi SWIR background noise (swir)

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

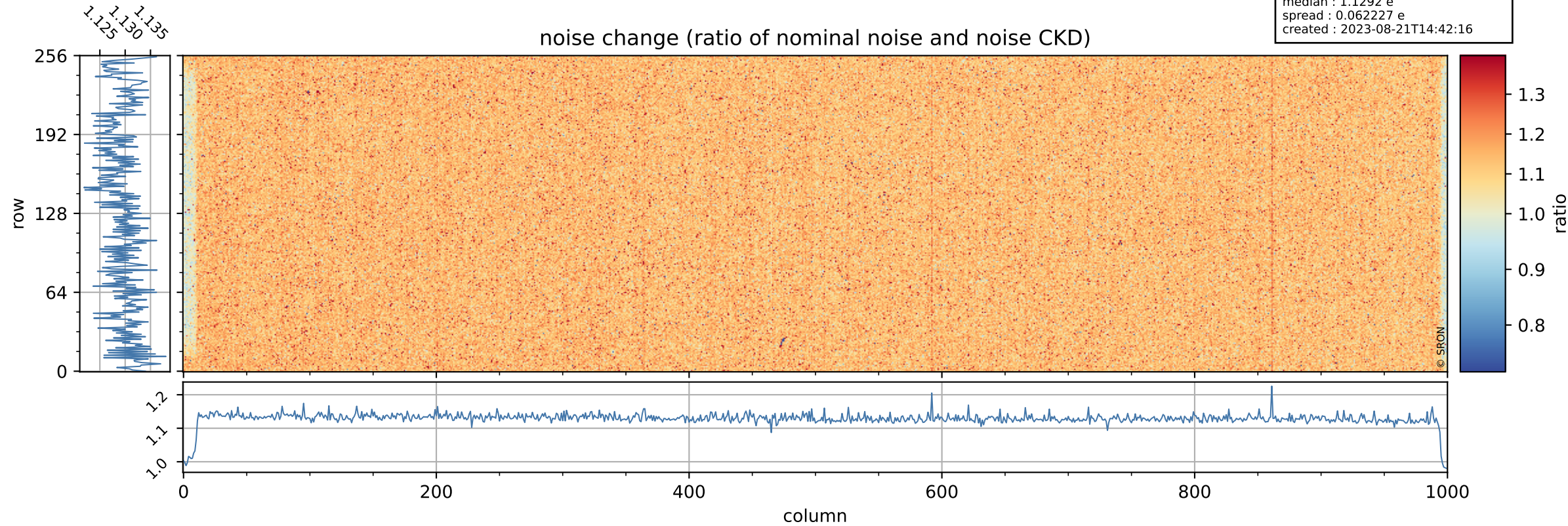
orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
median : 1.0031 e  
spread : 0.010136 e  
created : 2023-08-21T14:42:16



# Tropomi SWIR background noise (swir)

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
median : 1.1292 e  
spread : 0.062227 e  
created : 2023-08-21T14:42:16

noise change (ratio of nominal noise and noise CKD)

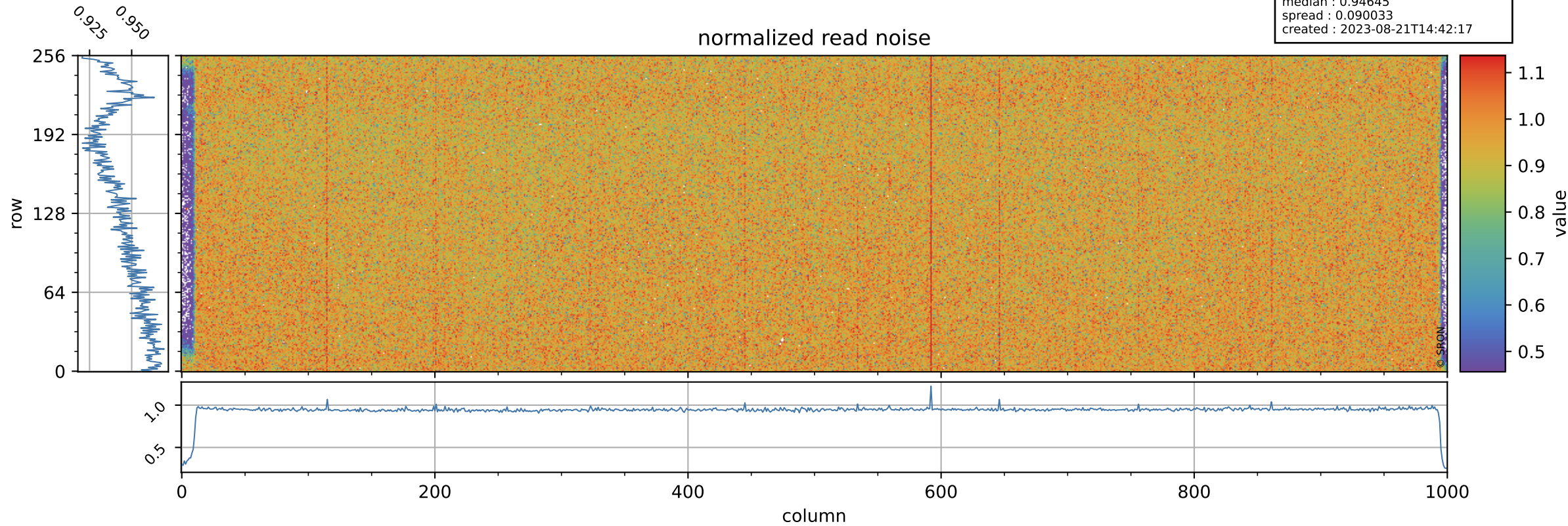




# Tropomi SWIR background noise (swir)

orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
median : 0.94645  
spread : 0.090033  
created : 2023-08-21T14:42:17

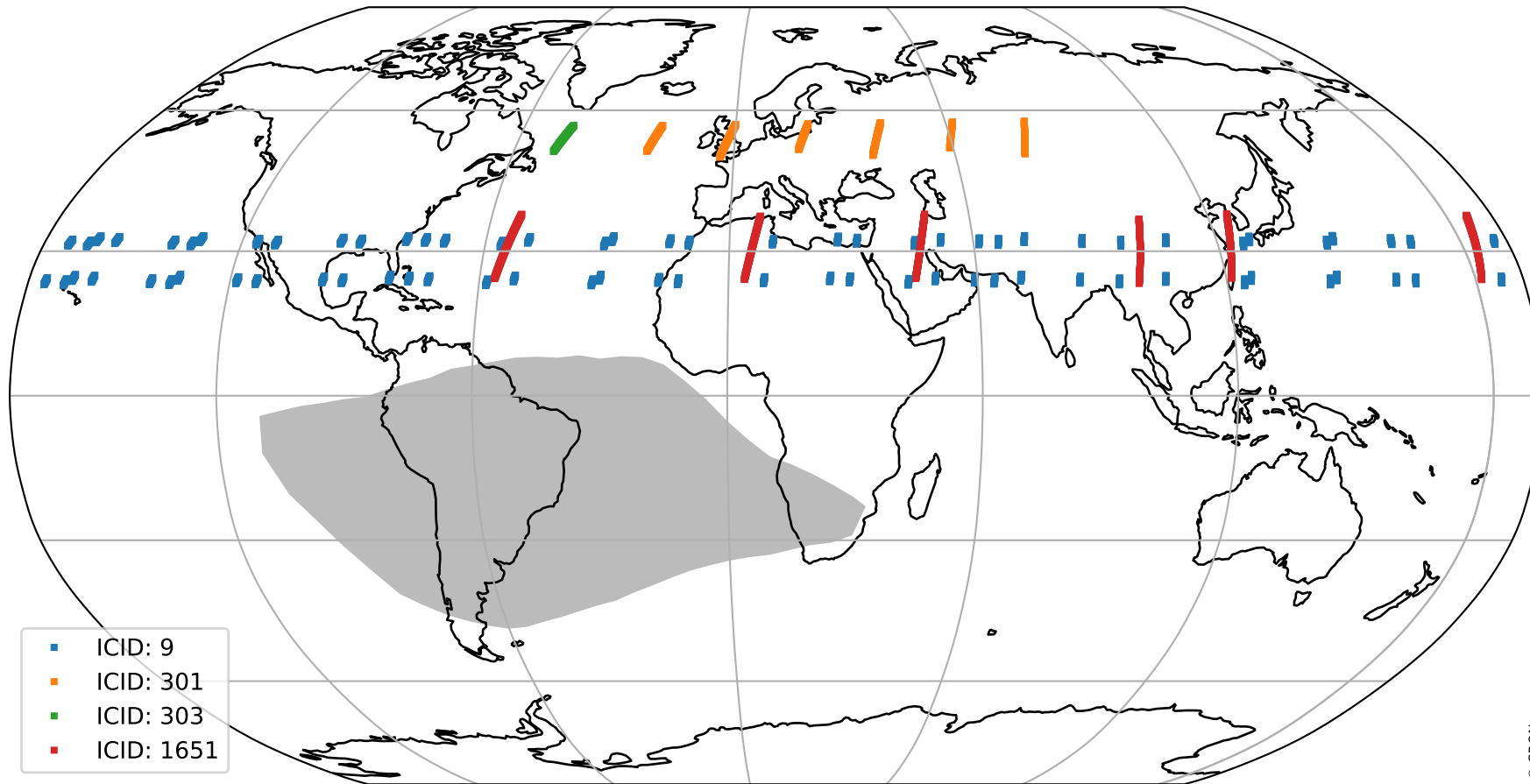
normalized read noise





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

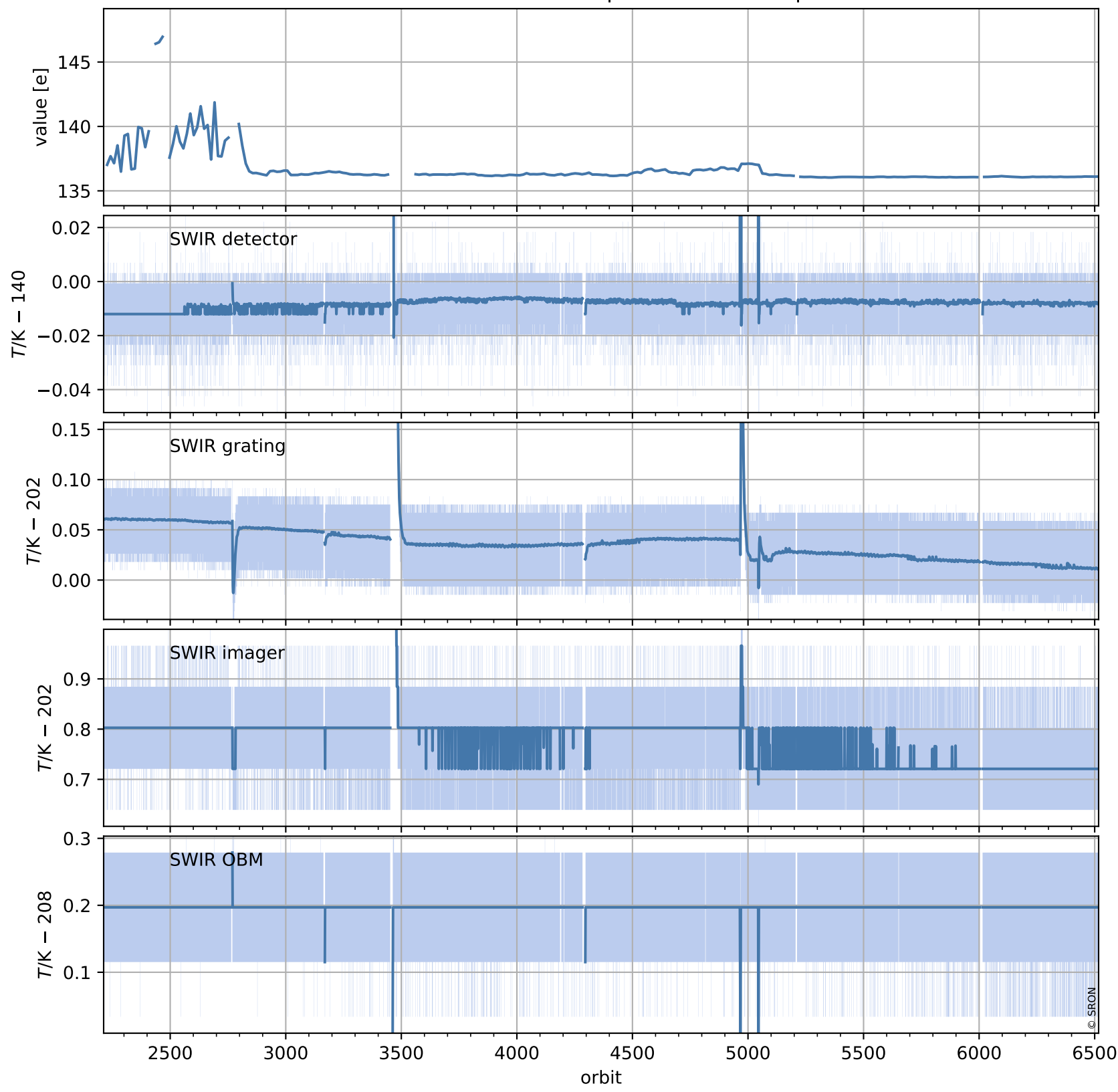
orbits : 13 in [6427, 6517]  
coverage : 2019-01-09 / 2019-01-15  
created : 2023-08-21T14:42:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 6517]  
coverage : 2018-03-18 / 2019-01-15  
created : 2023-08-21T14:42:17

## trend of detector median of plain noise & temperatures

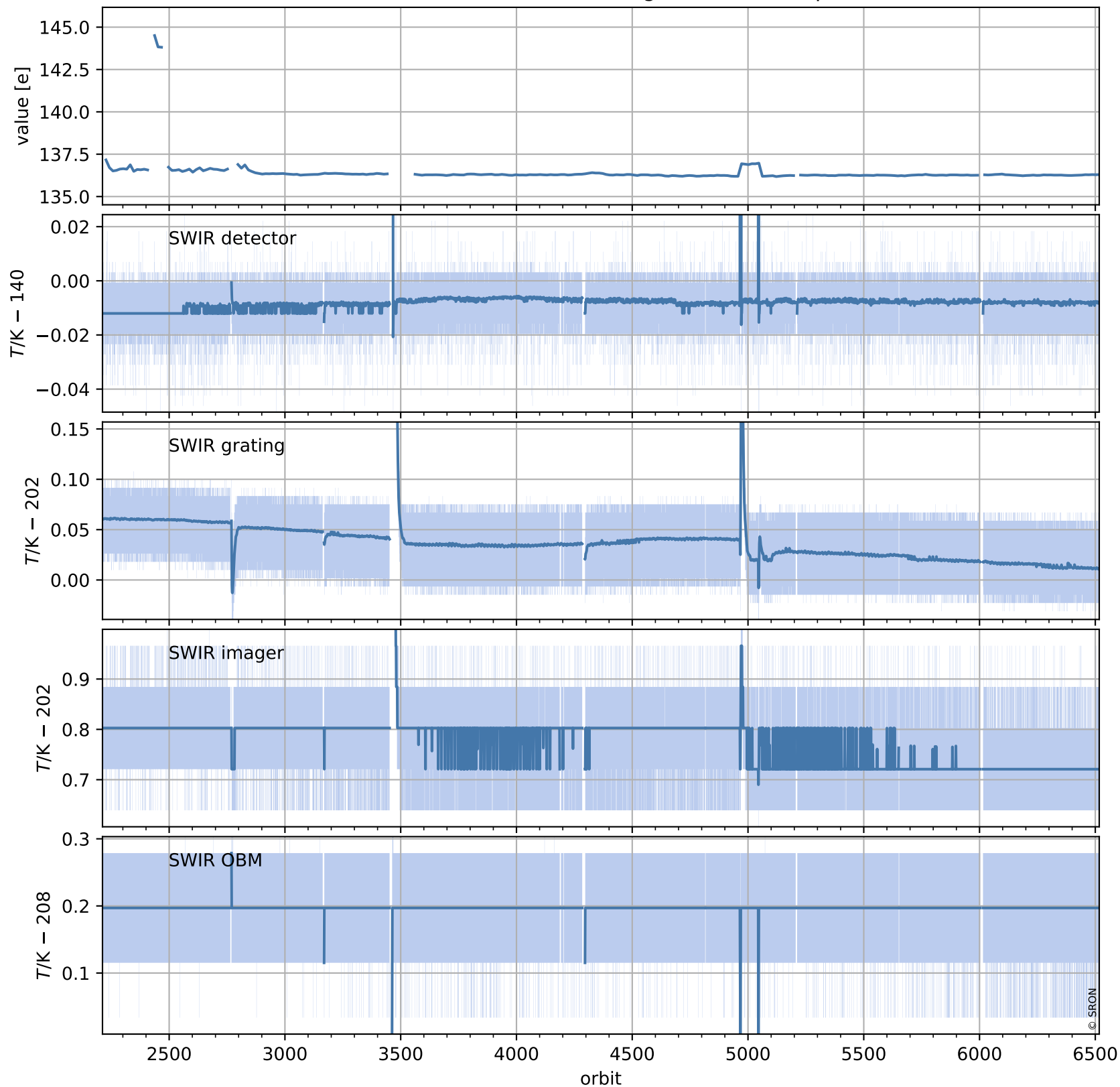




# Tropomi SWIR background noise (swir)

orbits : [2212, 6517]  
coverage : 2018-03-18 / 2019-01-15  
created : 2023-08-21T14:42:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6517]  
coverage : 2018-03-18 / 2019-01-15  
created : 2023-08-21T14:42:19

## trend of normalized read-noise & temperatures

