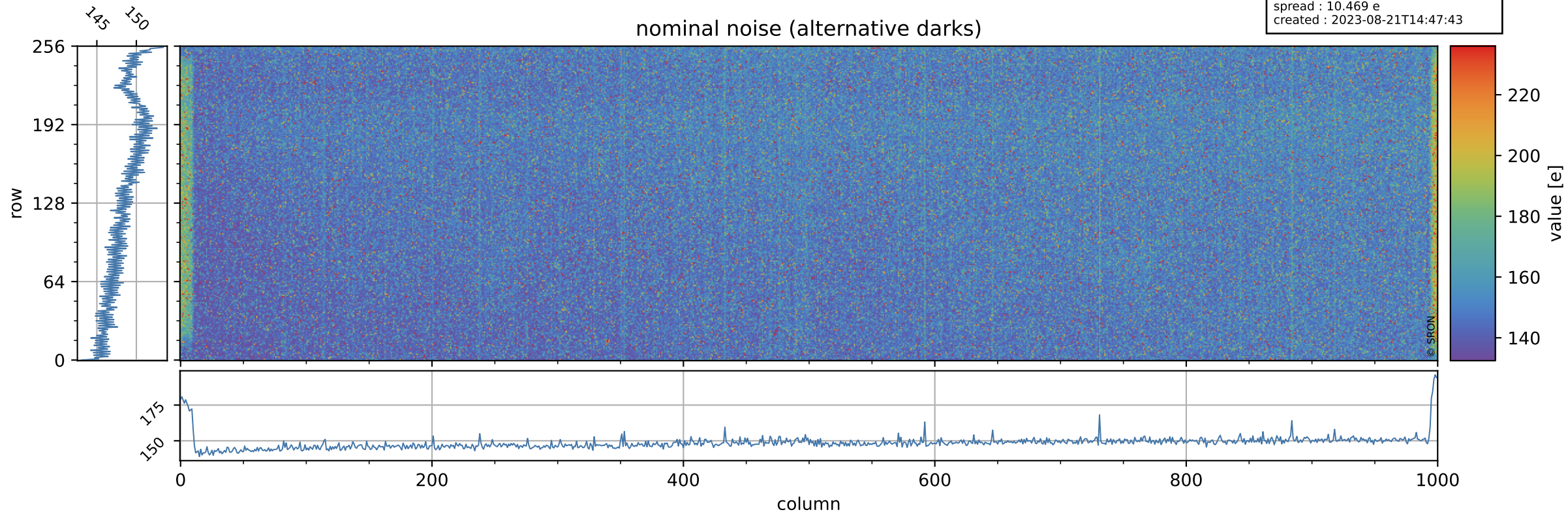


# Tropomi SWIR background noise (swir)

orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.469 e  
created : 2023-08-21T14:47:43

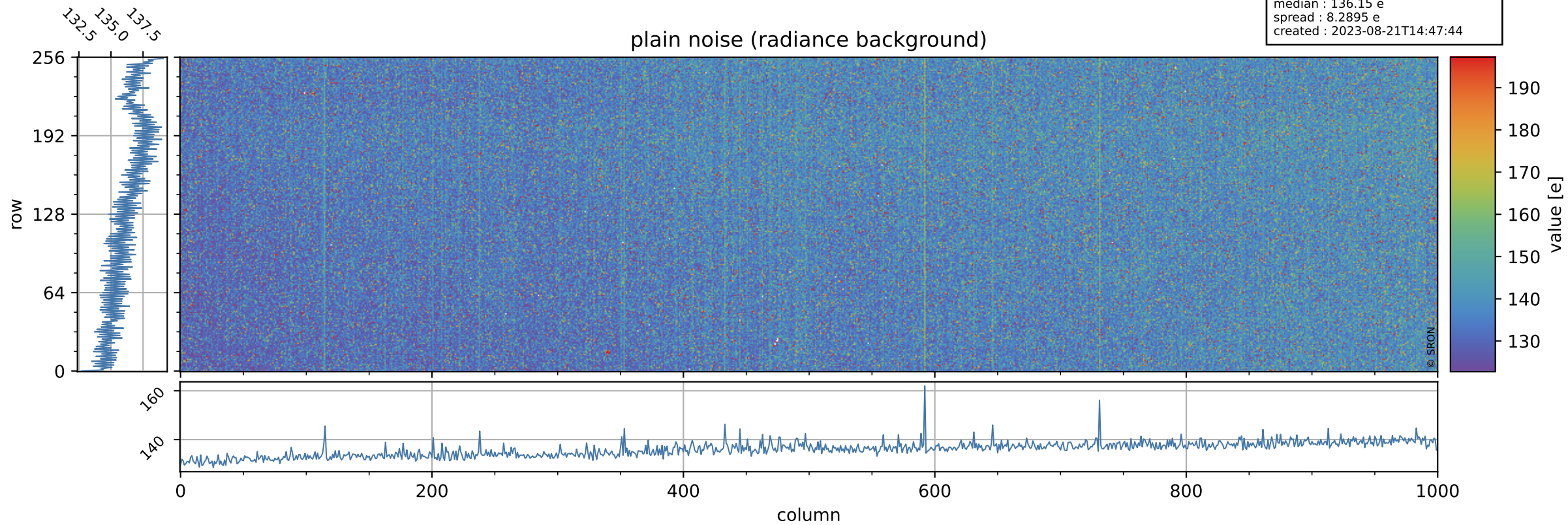
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
n\_coad, t\_exp : 2, 0.5383  
median : 136.15 e  
spread : 8.2895 e  
created : 2023-08-21T14:47:44

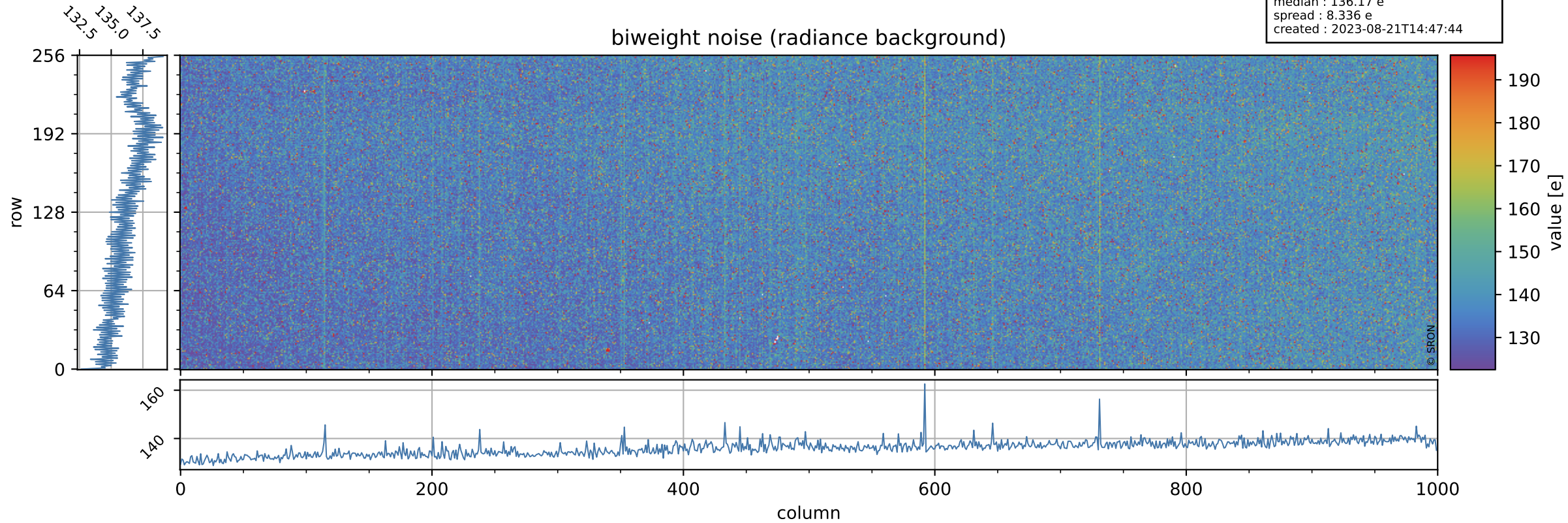
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.336 e  
created : 2023-08-21T14:47:44

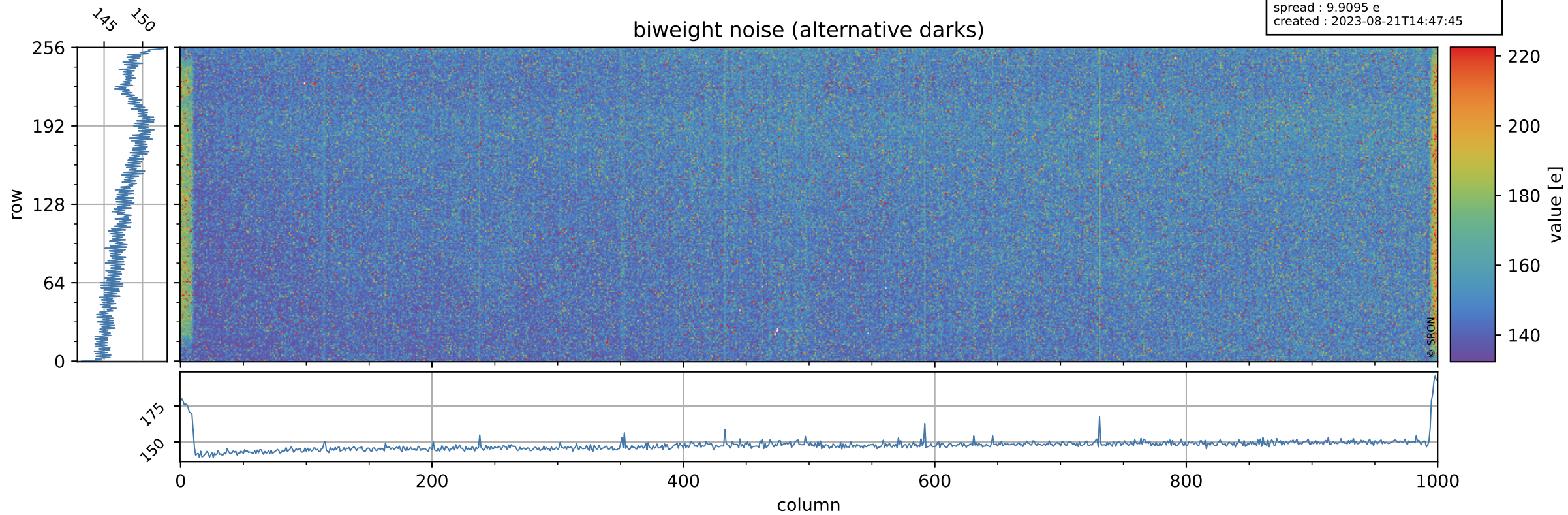
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 9.9095 e  
created : 2023-08-21T14:47:45

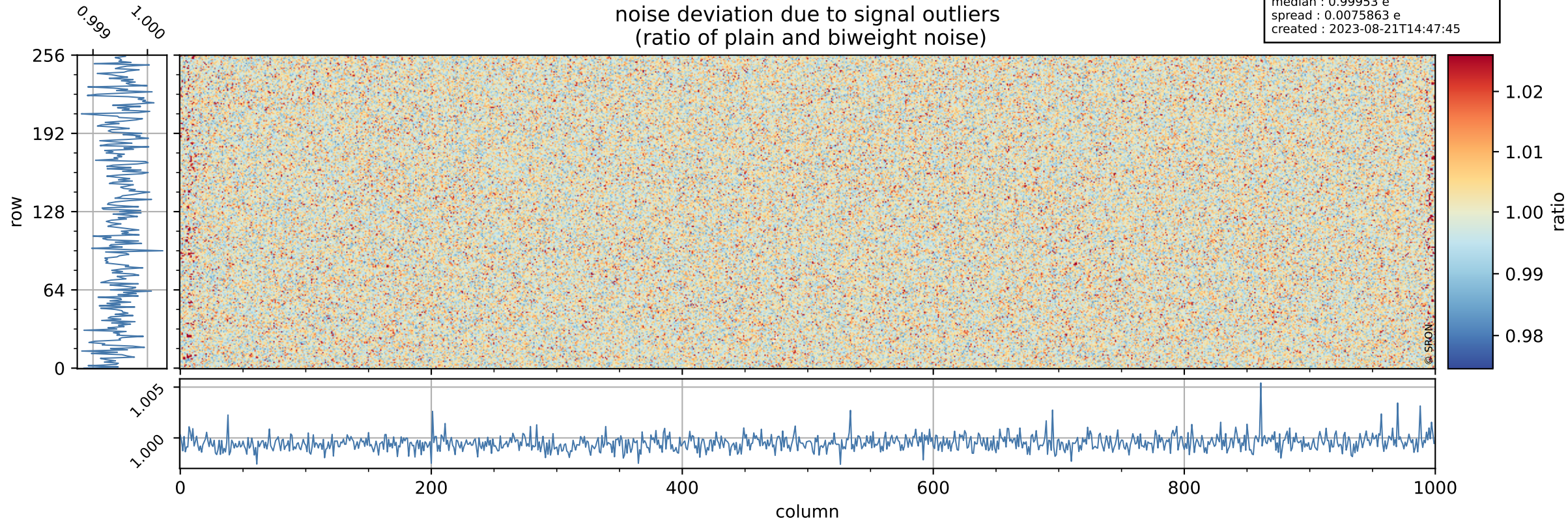
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

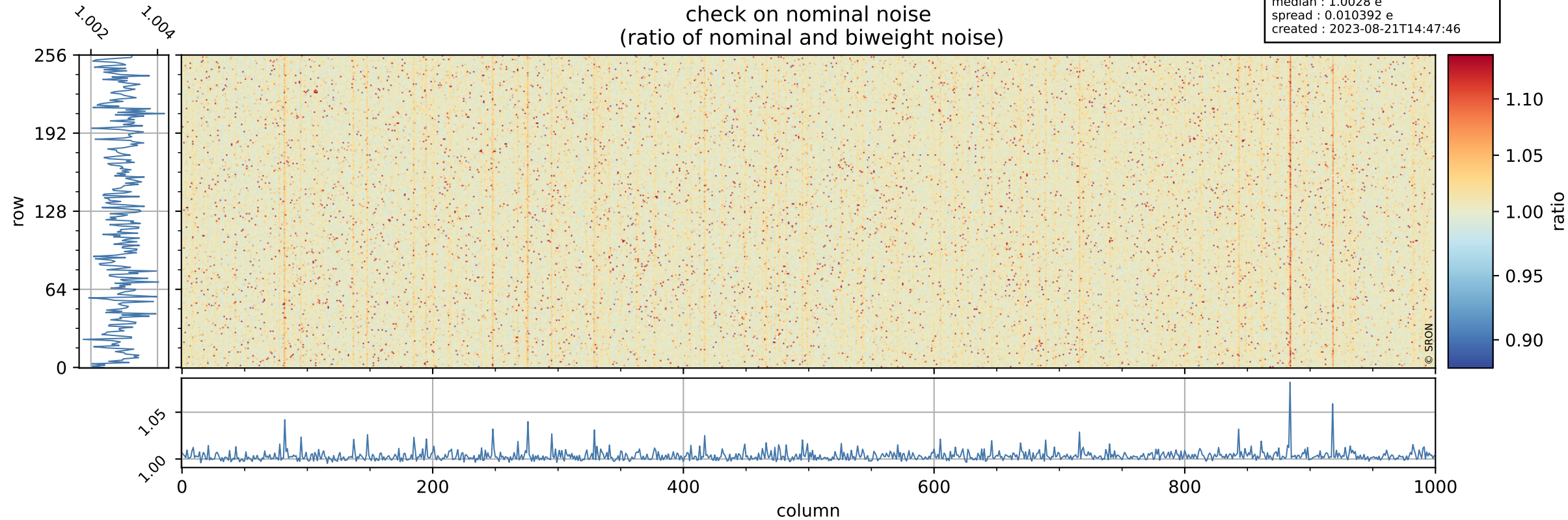
orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
median : 0.99953 e  
spread : 0.0075863 e  
created : 2023-08-21T14:47:45



# Tropomi SWIR background noise (swir)

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

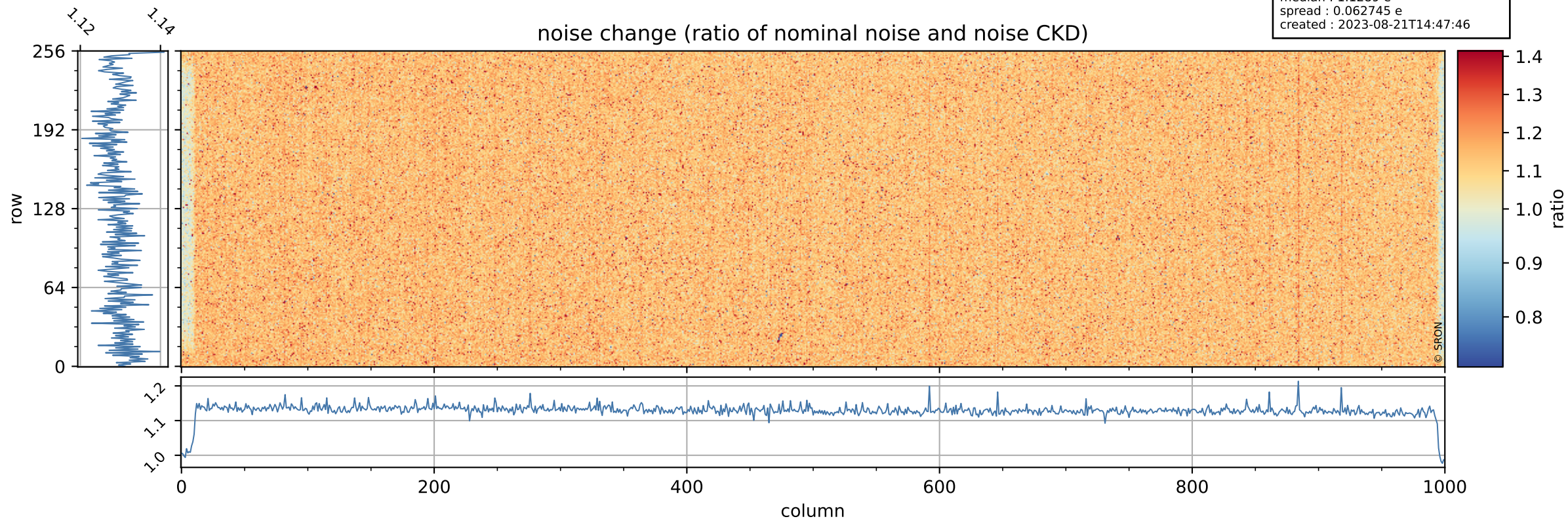
orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
median : 1.0028 e  
spread : 0.010392 e  
created : 2023-08-21T14:47:46



# Tropomi SWIR background noise (swir)

orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
median : 1.1289 e  
spread : 0.062745 e  
created : 2023-08-21T14:47:46

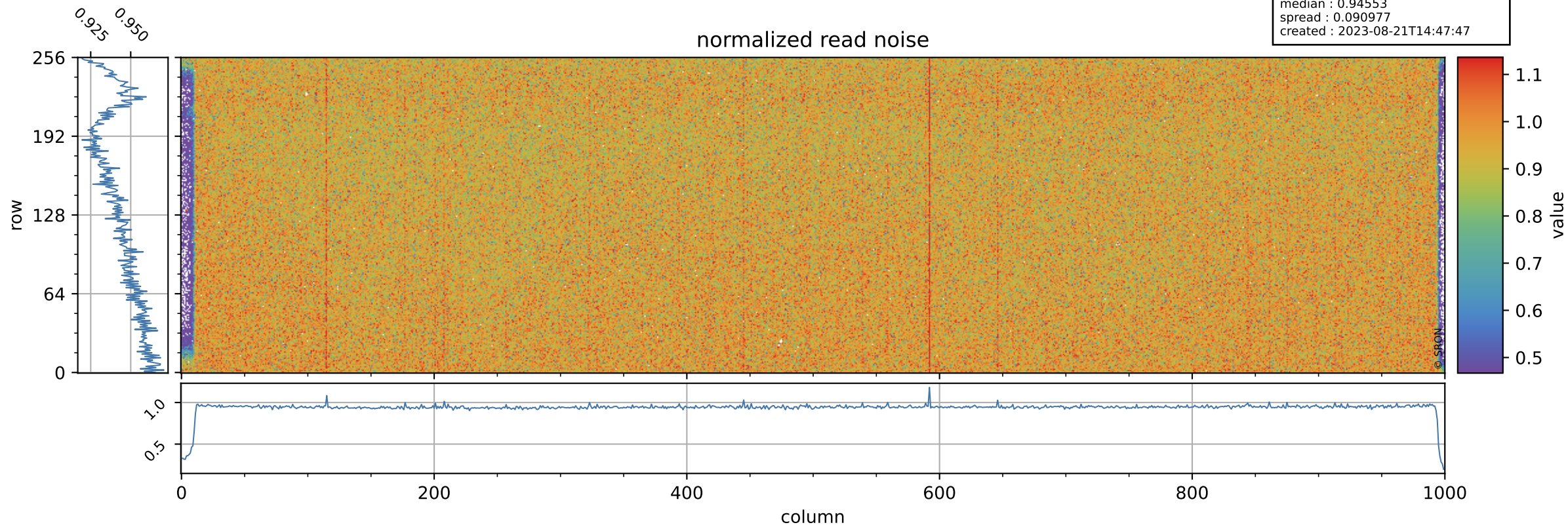
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
median : 0.94553  
spread : 0.090977  
created : 2023-08-21T14:47:47

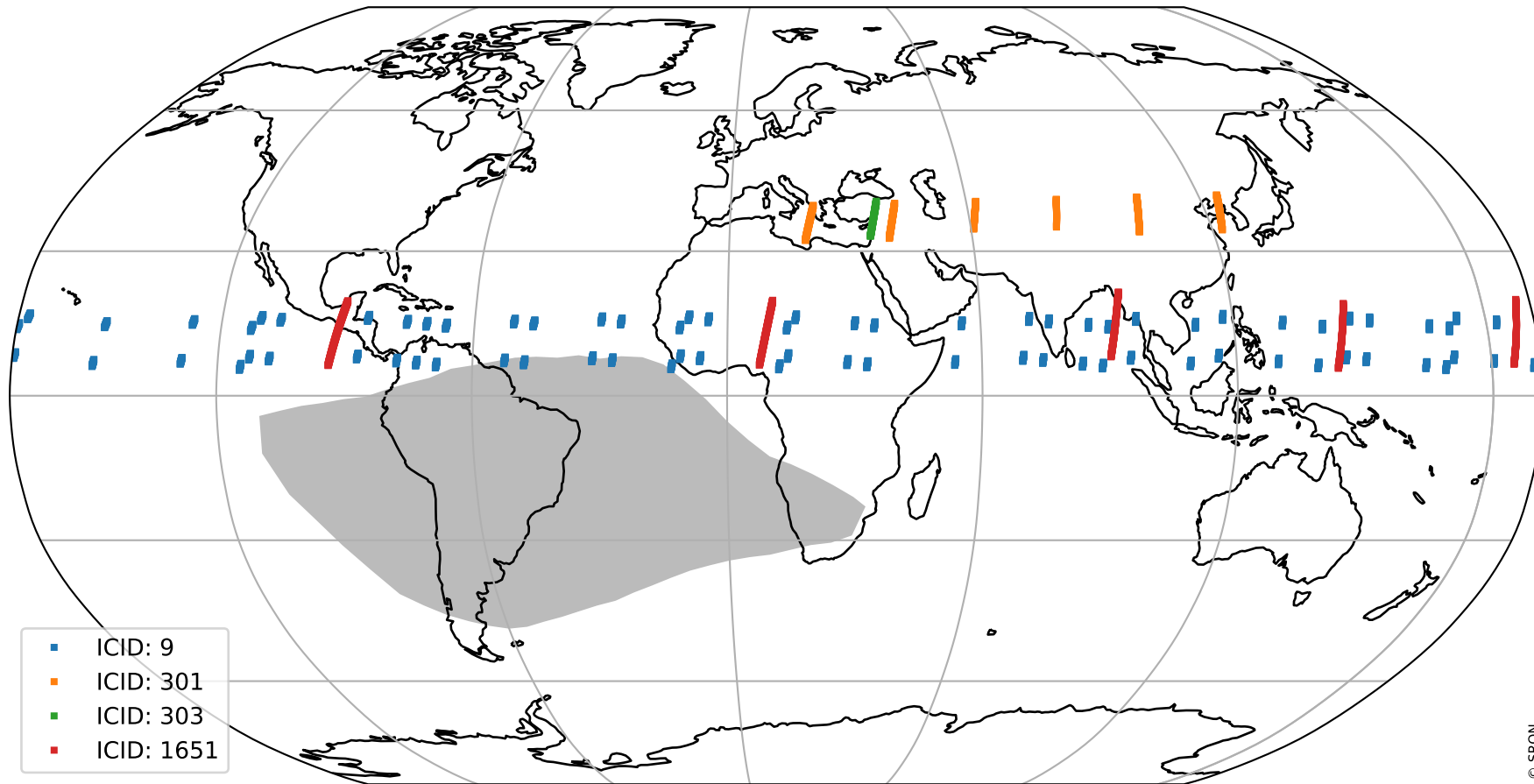
normalized read noise





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

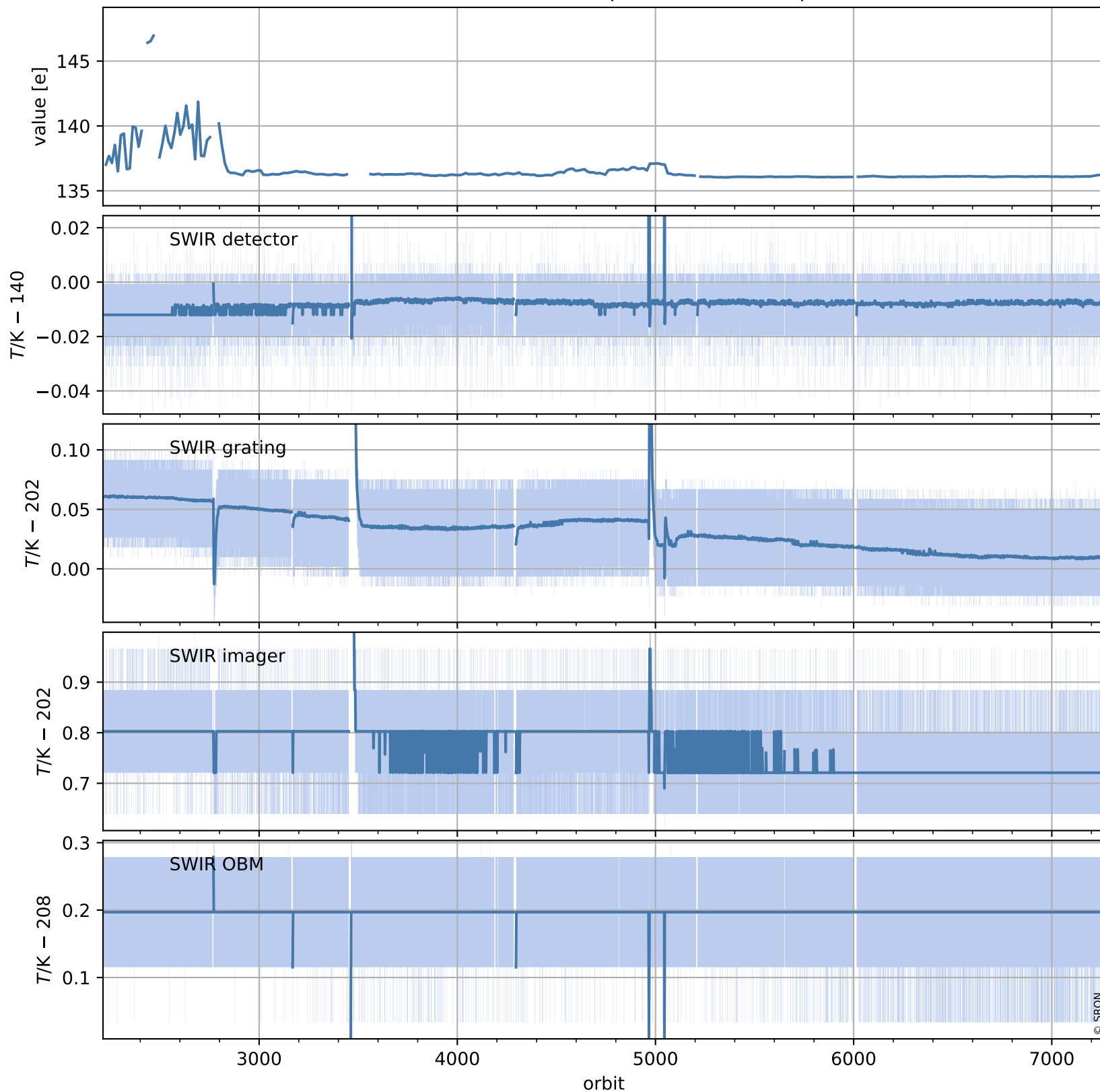
orbits : 12 in [7177, 7267]  
coverage : 2019-03-03 / 2019-03-09  
created : 2023-08-21T14:47:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 7267]  
coverage : 2018-03-18 / 2019-03-09  
created : 2023-08-21T14:47:48

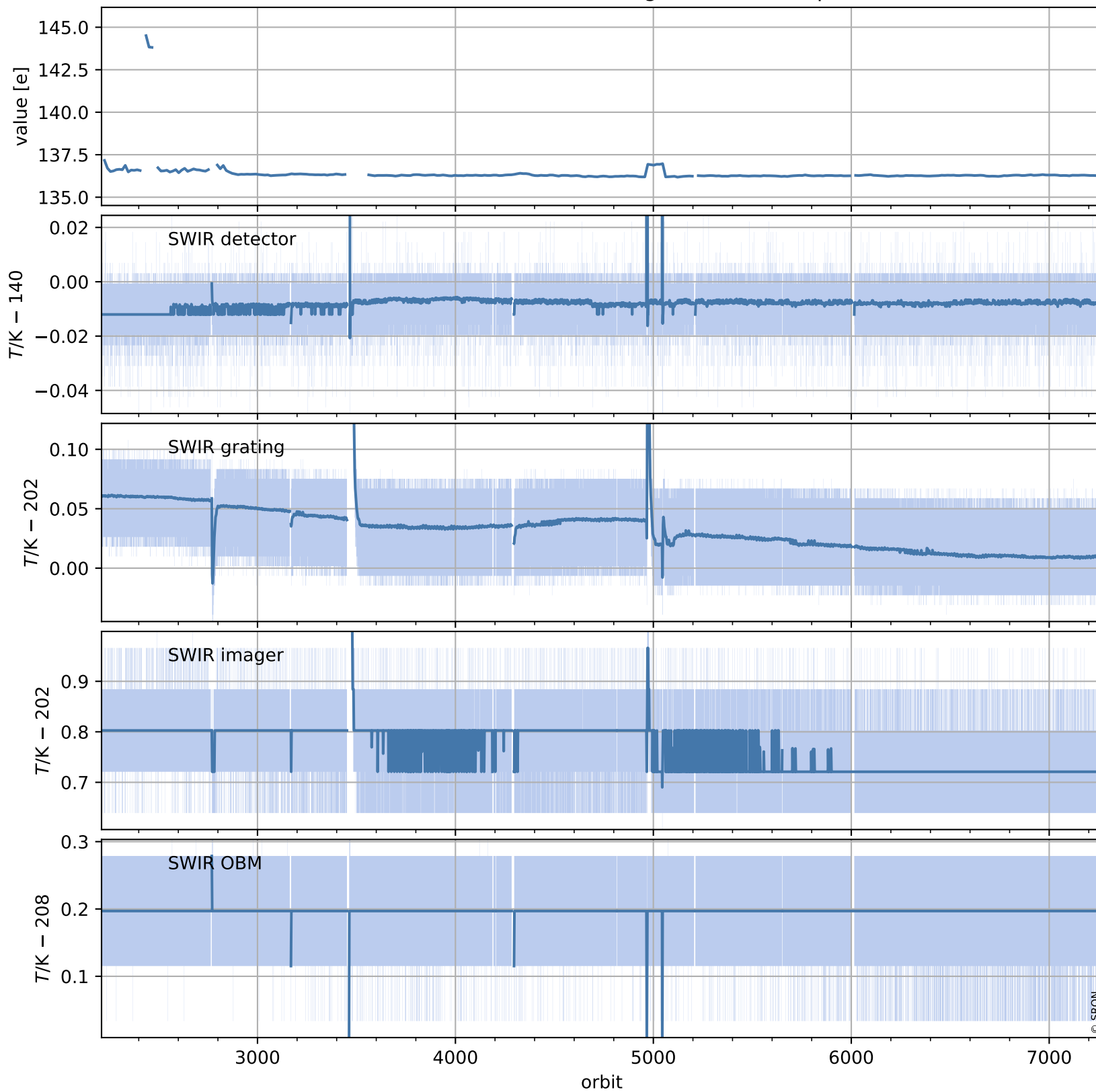
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7267]  
coverage : 2018-03-18 / 2019-03-09  
created : 2023-08-21T14:47:49

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7267]  
coverage : 2018-03-18 / 2019-03-09  
created : 2023-08-21T14:47:49

## trend of normalized read-noise & temperatures

