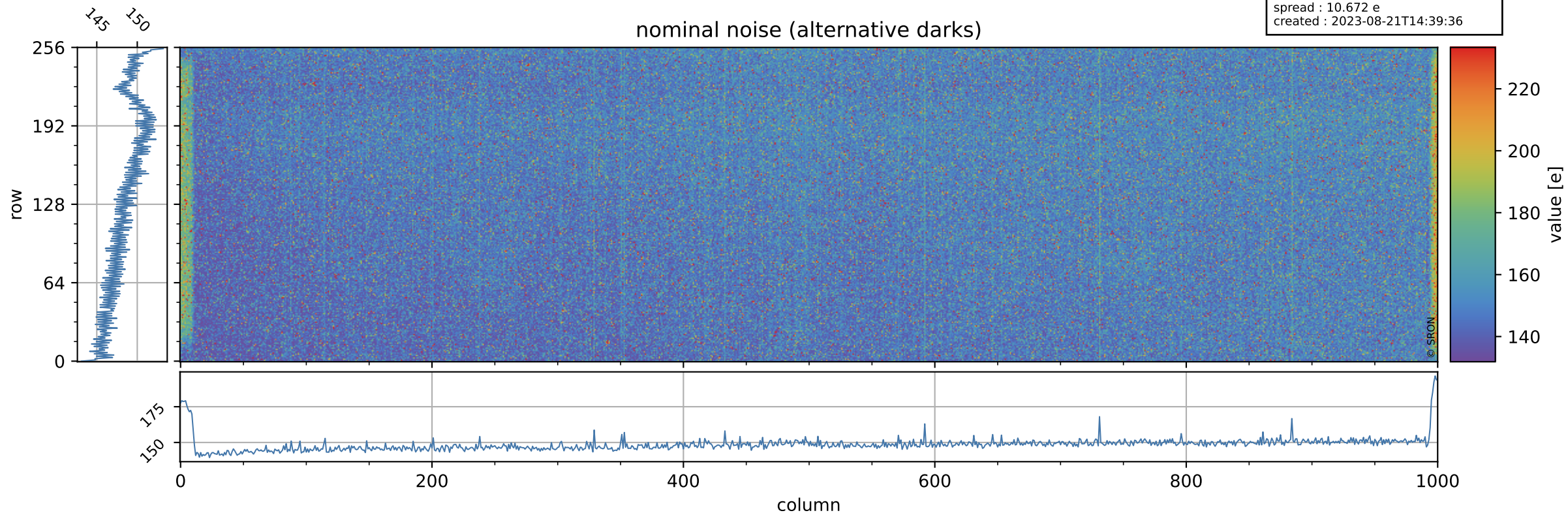


# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.672 e  
created : 2023-08-21T14:39:36

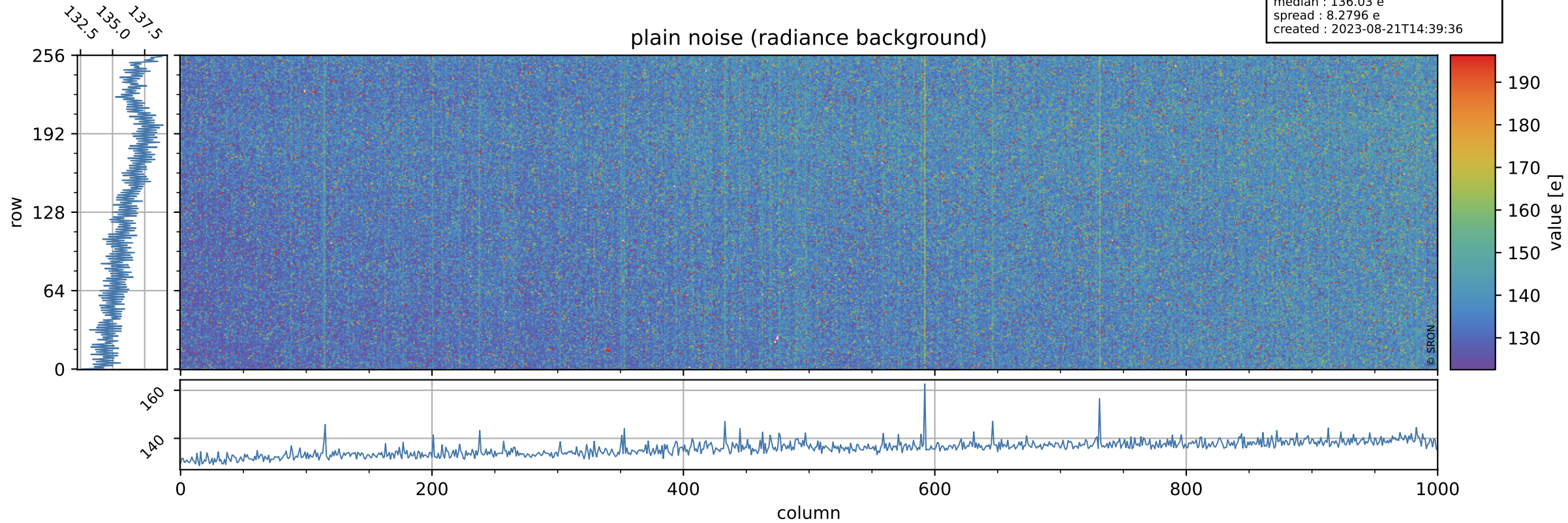
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.03 e  
spread : 8.2796 e  
created : 2023-08-21T14:39:36

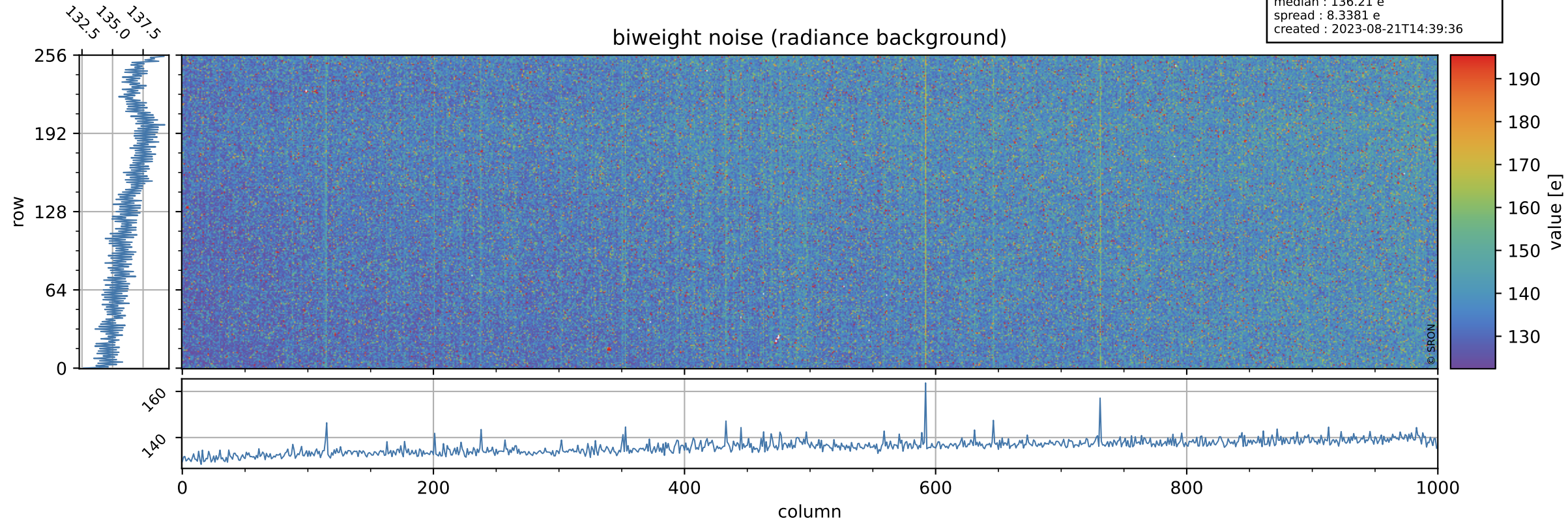
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.3381 e  
created : 2023-08-21T14:39:36

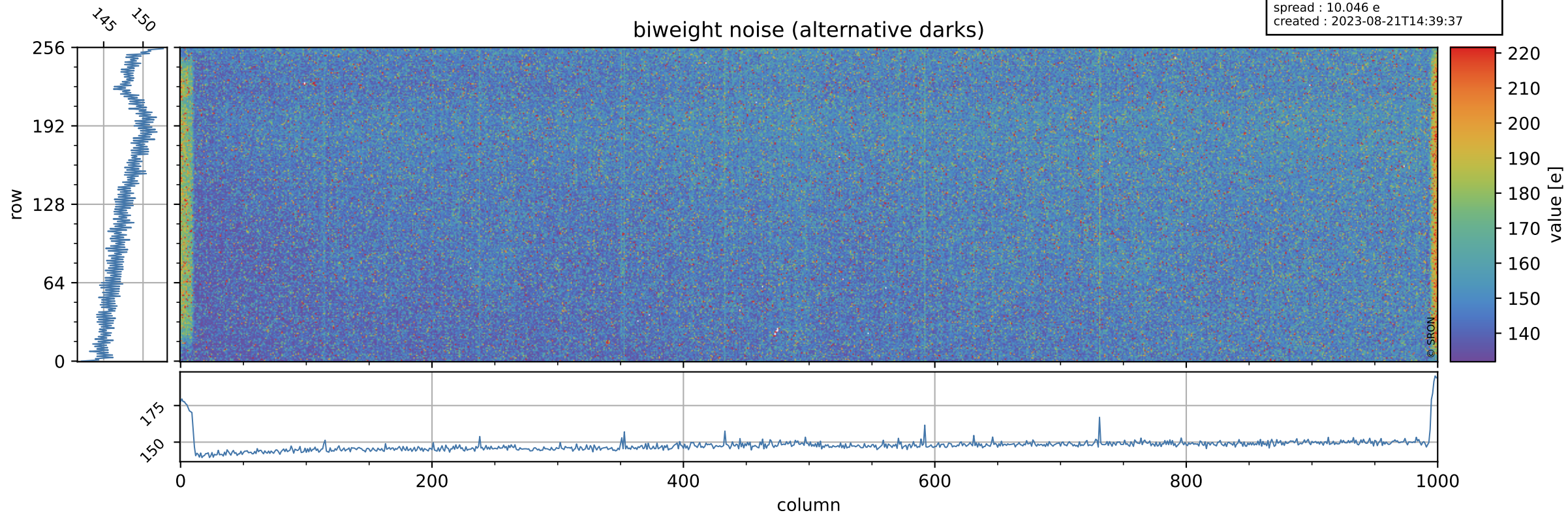
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 10.046 e  
created : 2023-08-21T14:39:37

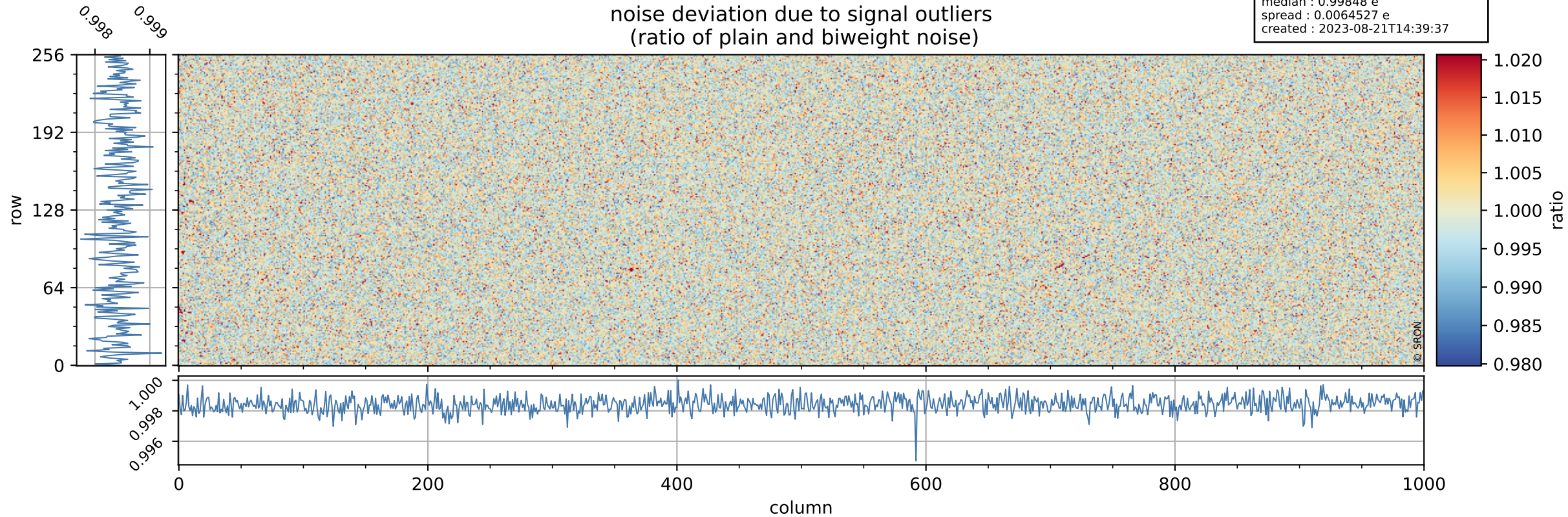
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

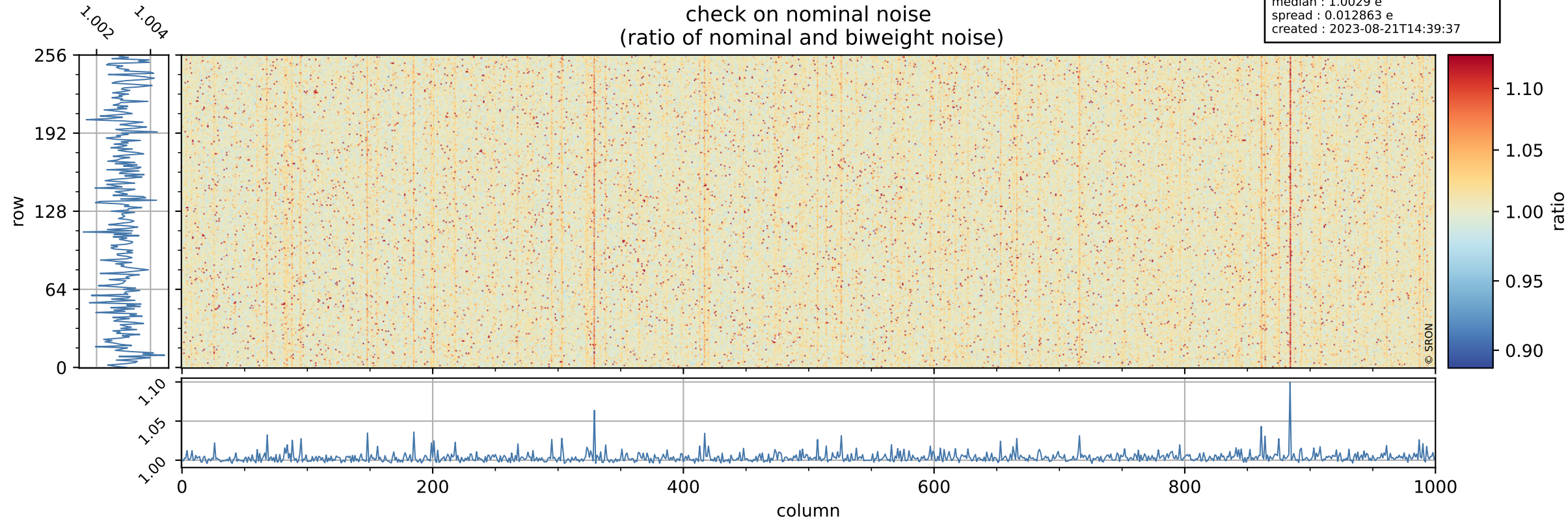
orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
median : 0.99848 e  
spread : 0.0064527 e  
created : 2023-08-21T14:39:37



# Tropomi SWIR background noise (swir)

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

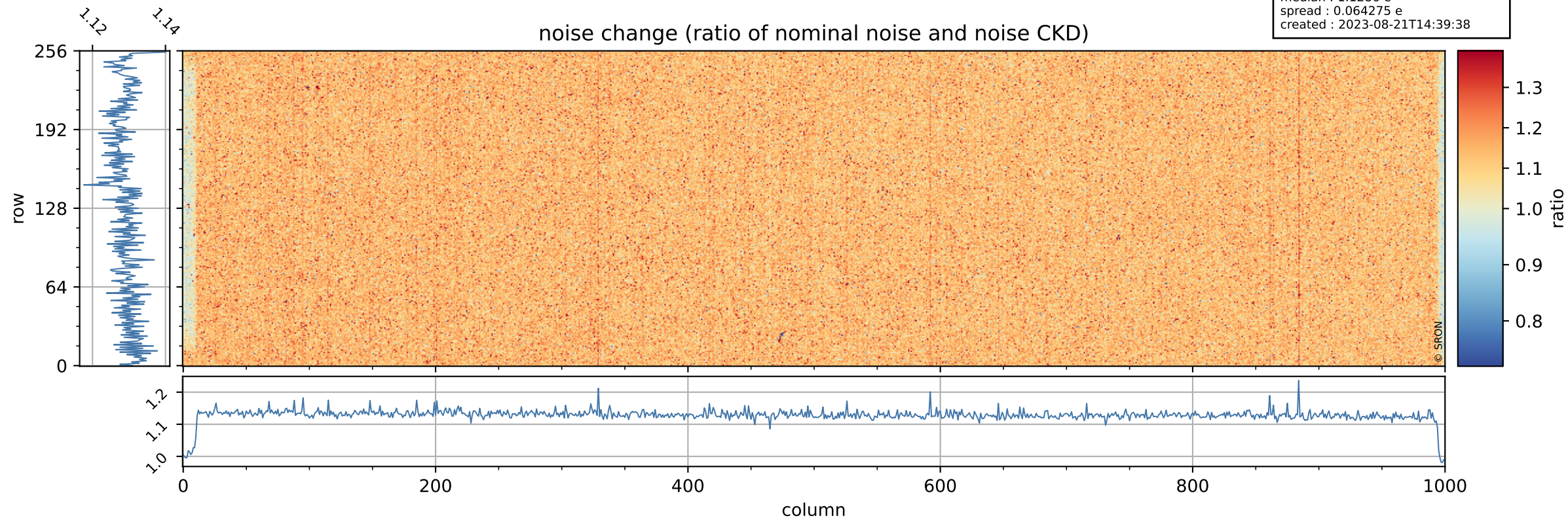
orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
median : 1.0029 e  
spread : 0.012863 e  
created : 2023-08-21T14:39:37



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
median : 1.1286 e  
spread : 0.064275 e  
created : 2023-08-21T14:39:38

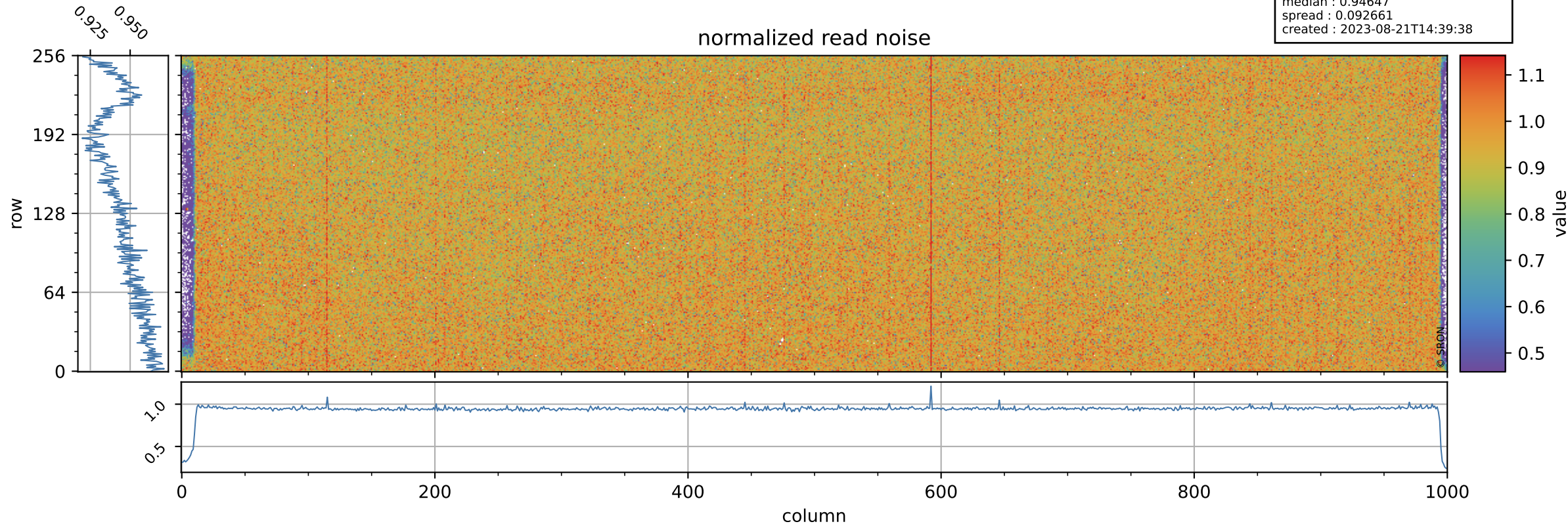
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
median : 0.94647  
spread : 0.092661  
created : 2023-08-21T14:39:38

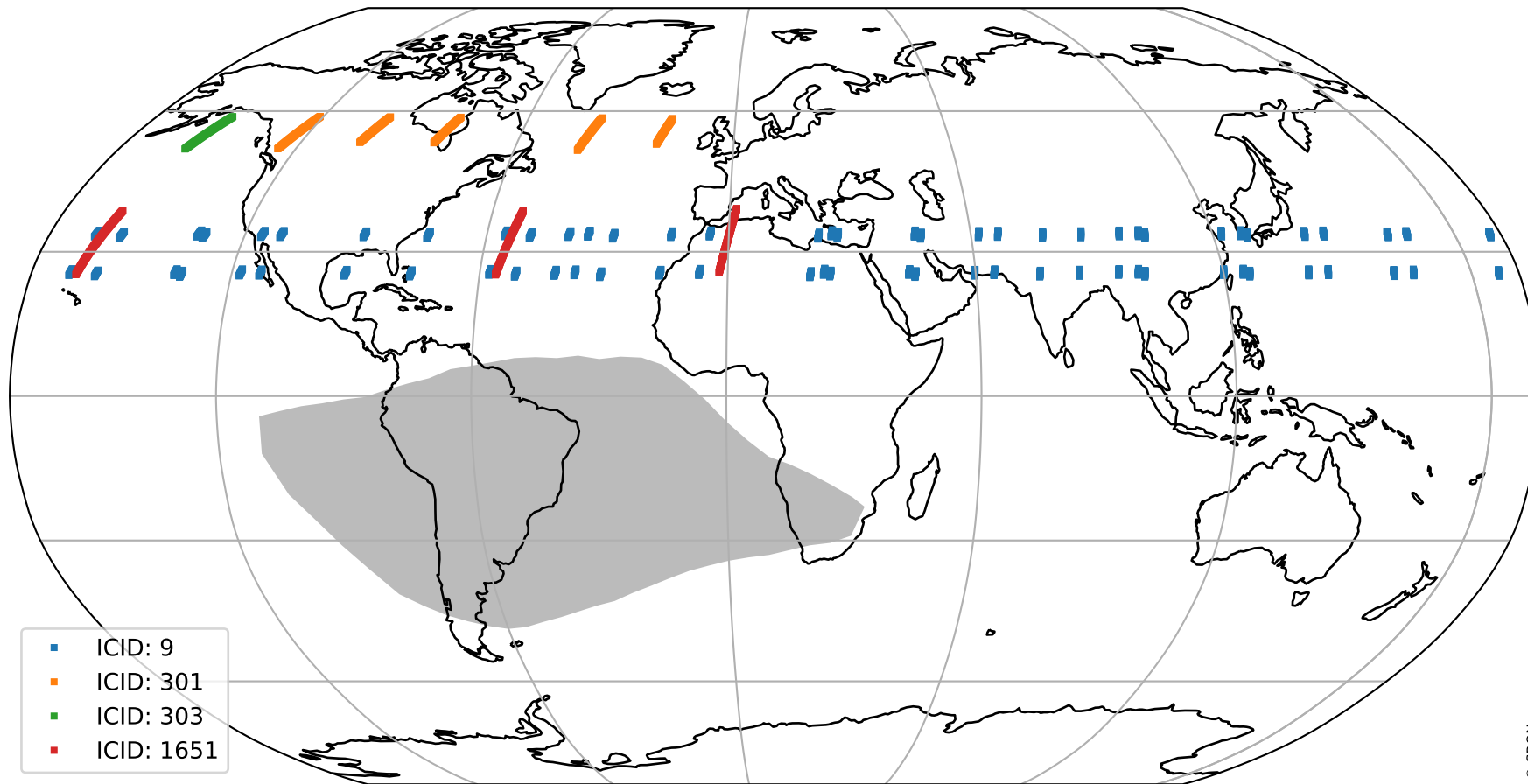
normalized read noise





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

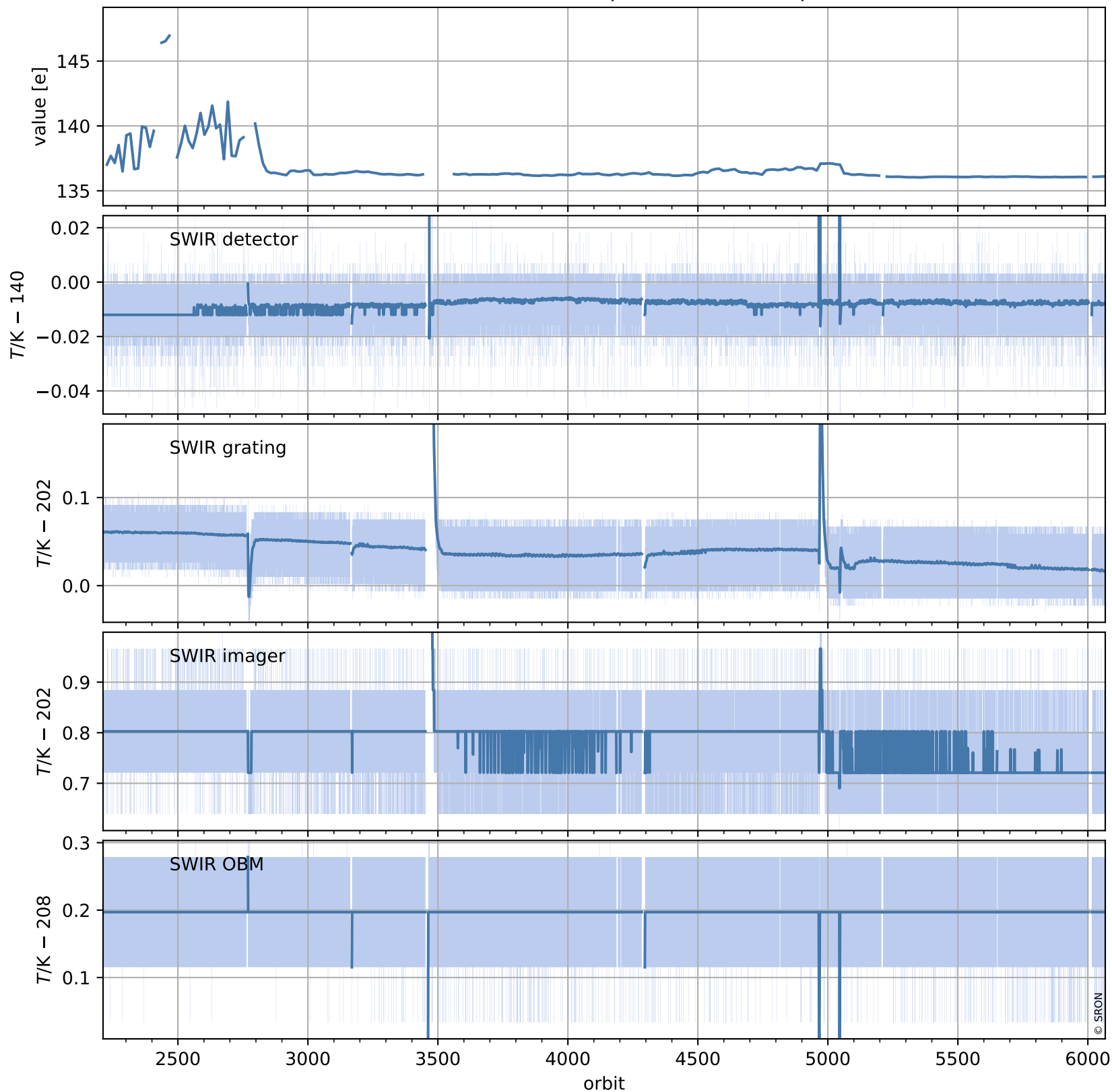
orbits : 9 in [5977, 6067]  
coverage : 2018-12-09 / 2018-12-15  
created : 2023-08-21T14:39:39



# Tropomi SWIR background noise (swir)

orbits : [2212, 6067]  
coverage : 2018-03-18 / 2018-12-15  
created : 2023-08-21T14:39:39

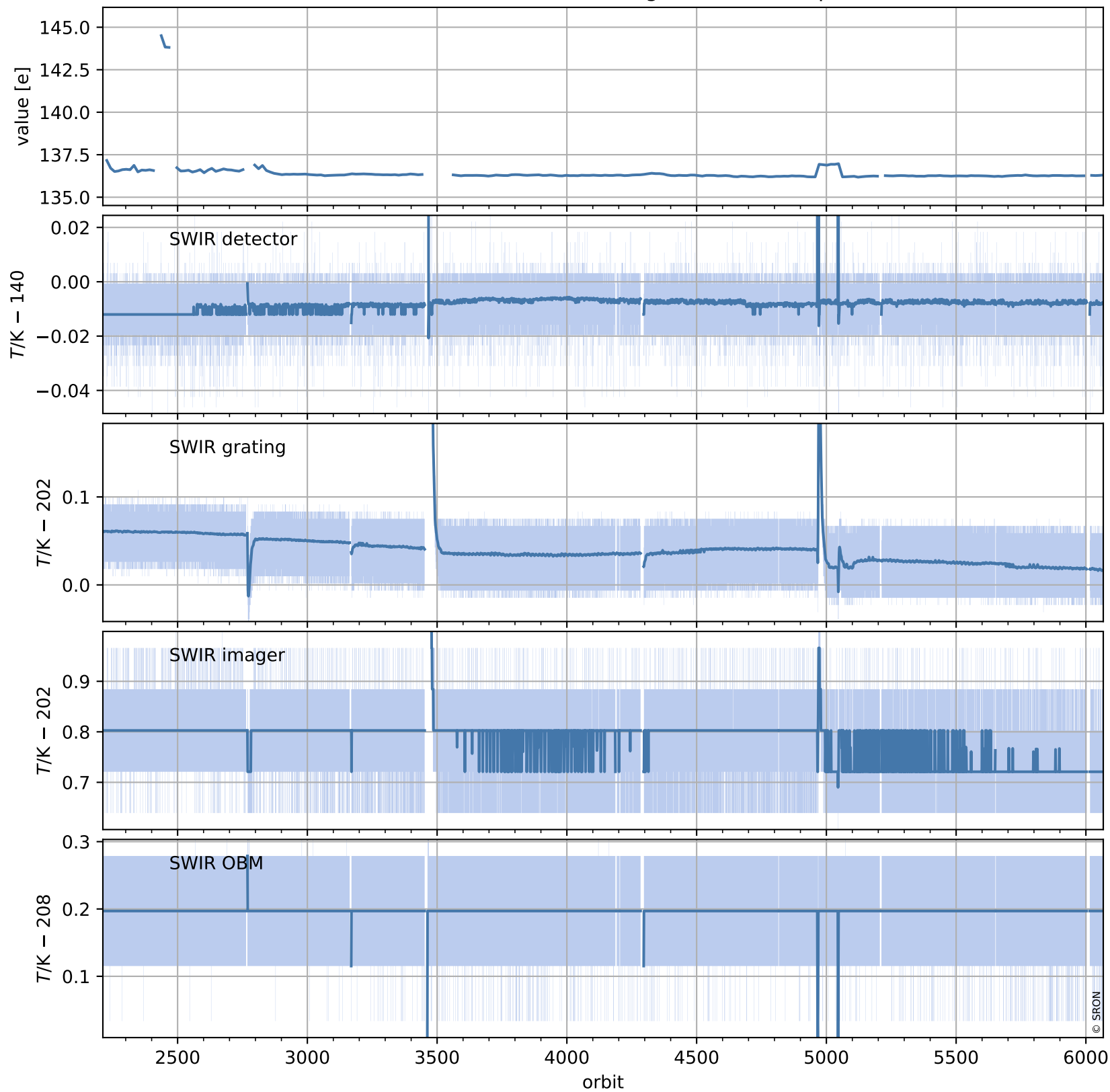
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6067]  
coverage : 2018-03-18 / 2018-12-15  
created : 2023-08-21T14:39:40

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6067]  
coverage : 2018-03-18 / 2018-12-15  
created : 2023-08-21T14:39:41

## trend of normalized read-noise & temperatures

