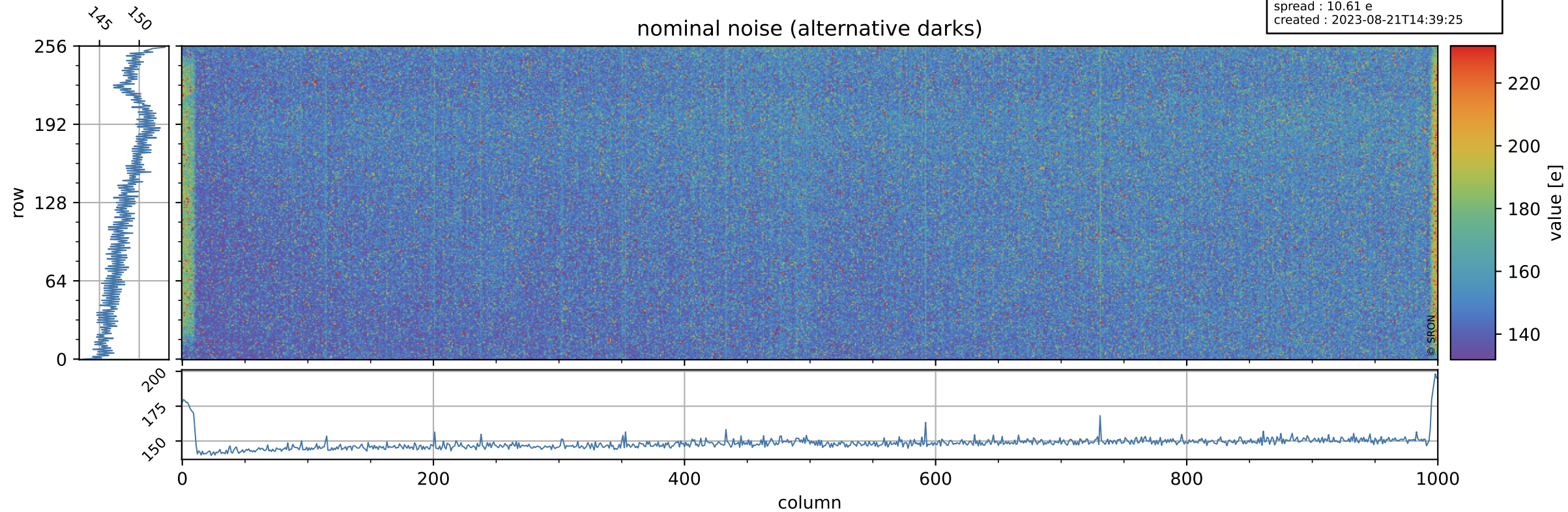


# Tropomi SWIR background noise (swir)

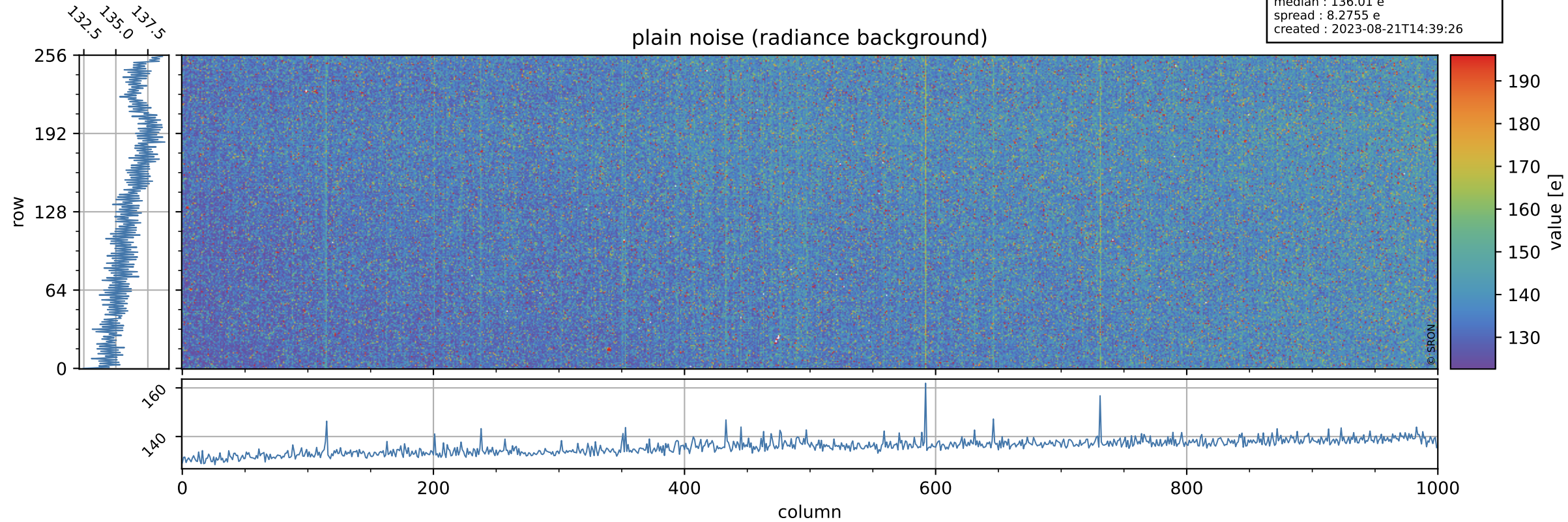
orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.26 e  
spread : 10.61 e  
created : 2023-08-21T14:39:25



# Tropomi SWIR background noise (swir)

orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
n\_coad, t\_exp : 2, 0.5383  
median : 136.01 e  
spread : 8.2755 e  
created : 2023-08-21T14:39:26

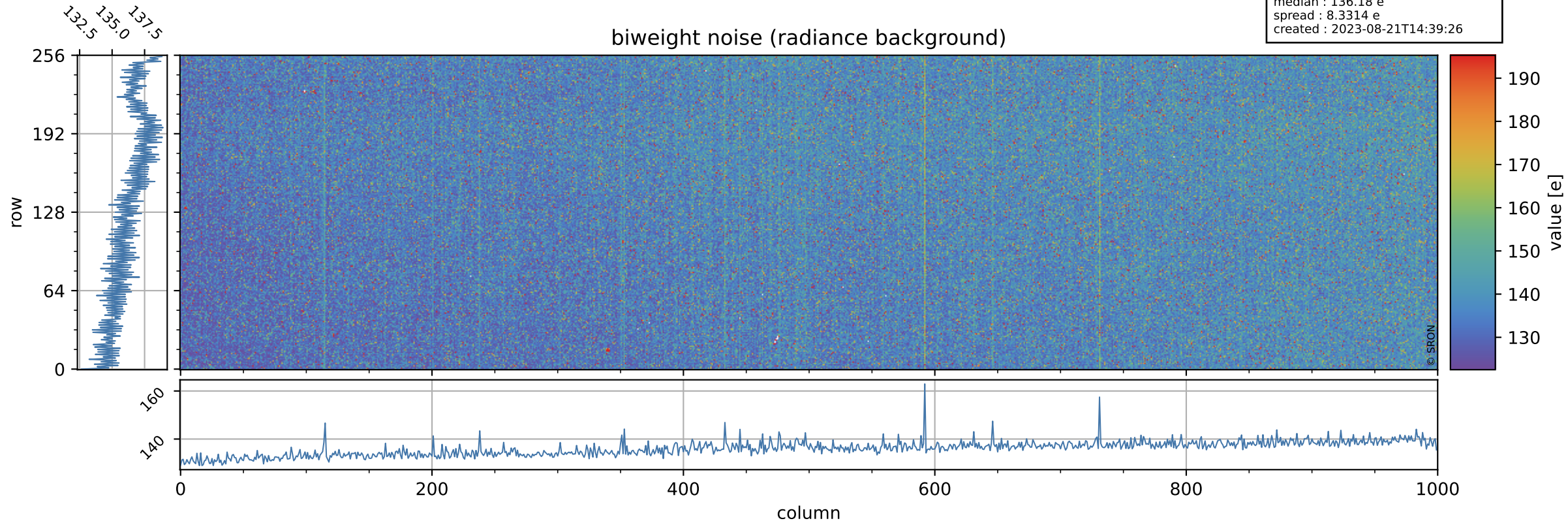
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.3314 e  
created : 2023-08-21T14:39:26

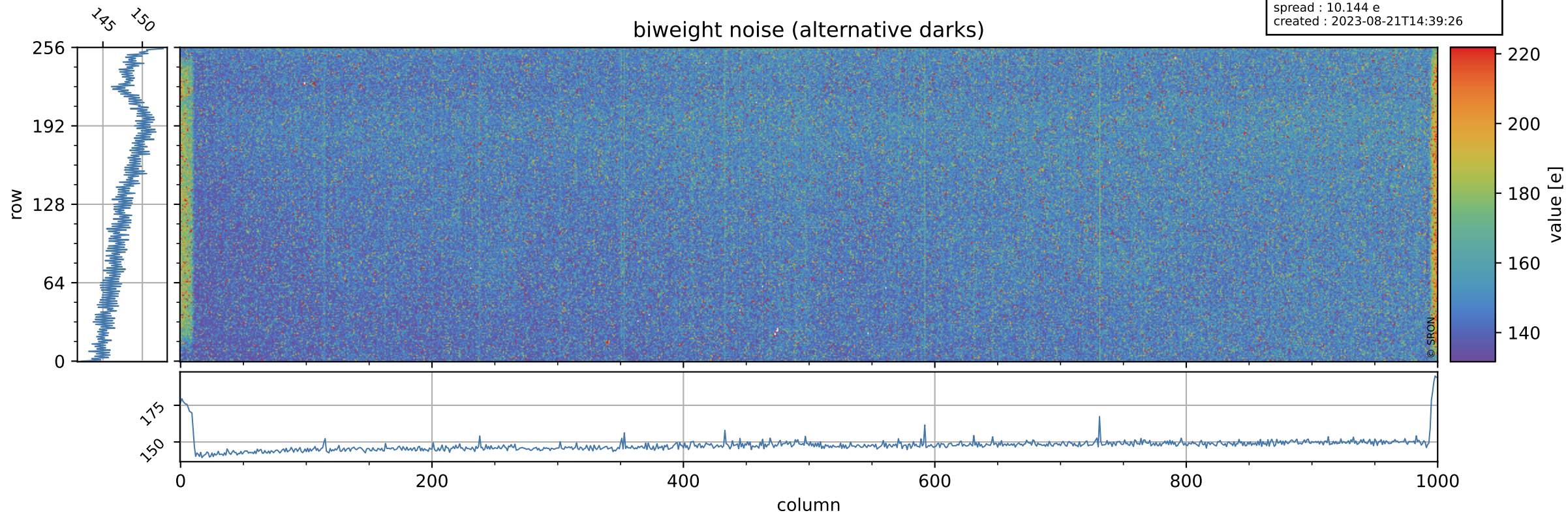
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 10.144 e  
created : 2023-08-21T14:39:26

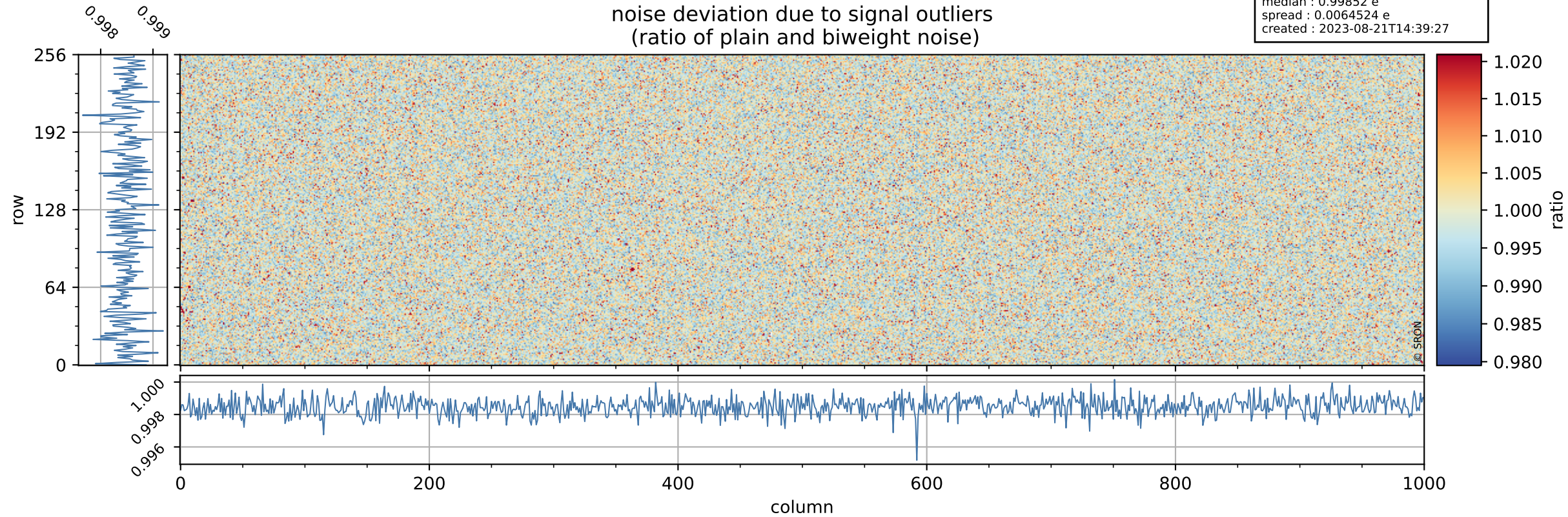
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

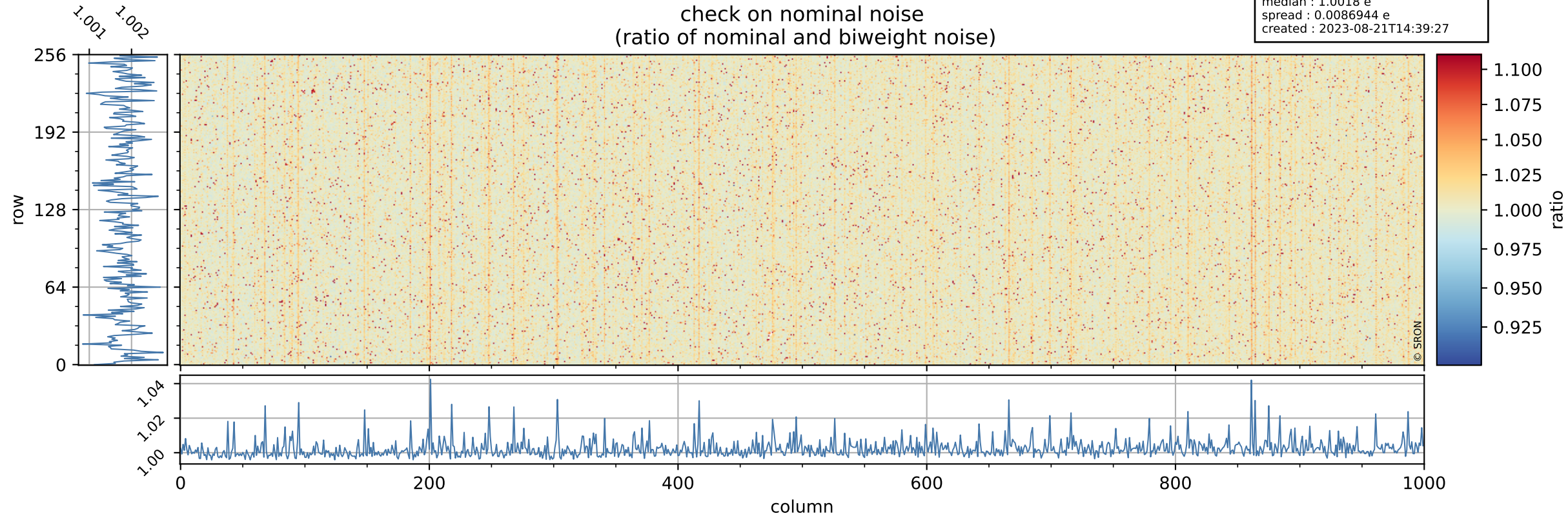
orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
median : 0.99852 e  
spread : 0.0064524 e  
created : 2023-08-21T14:39:27



# Tropomi SWIR background noise (swir)

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

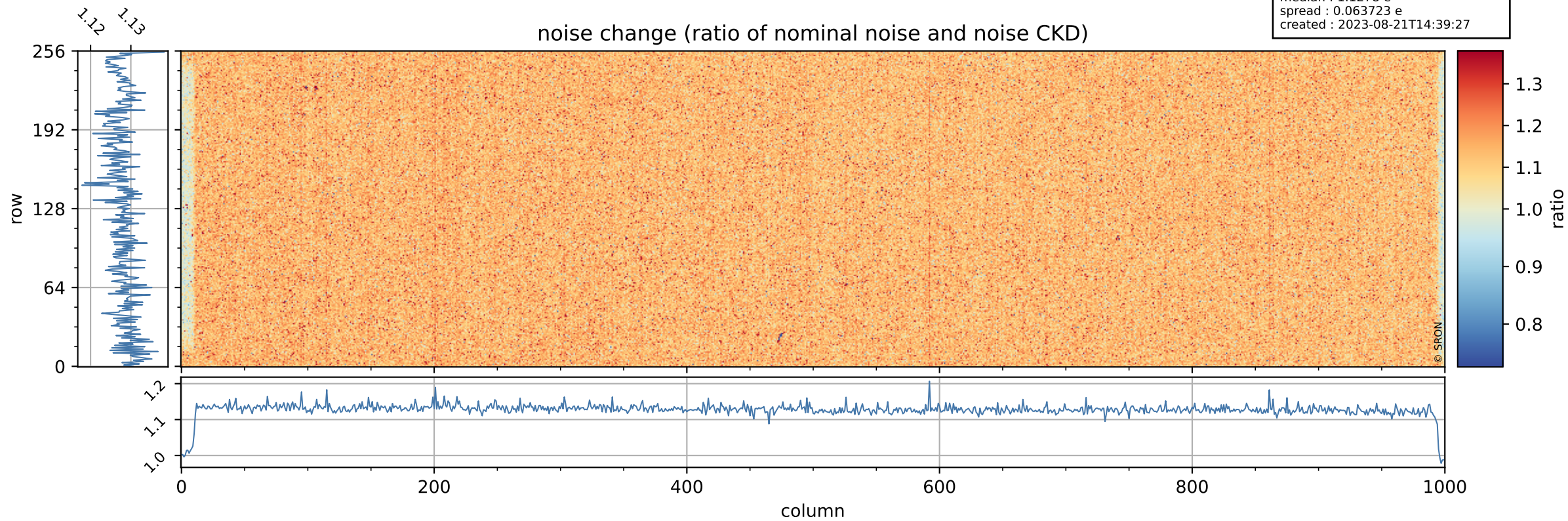
orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
median : 1.0018 e  
spread : 0.0086944 e  
created : 2023-08-21T14:39:27



# Tropomi SWIR background noise (swir)

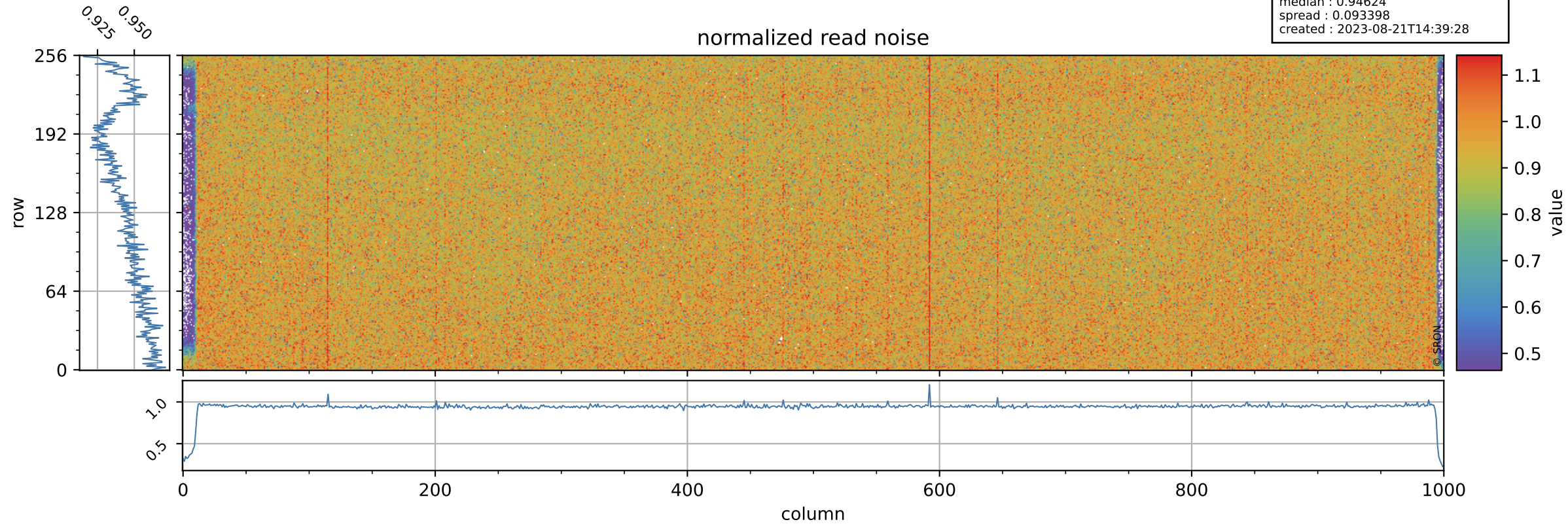
orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
median : 1.1278 e  
spread : 0.063723 e  
created : 2023-08-21T14:39:27

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

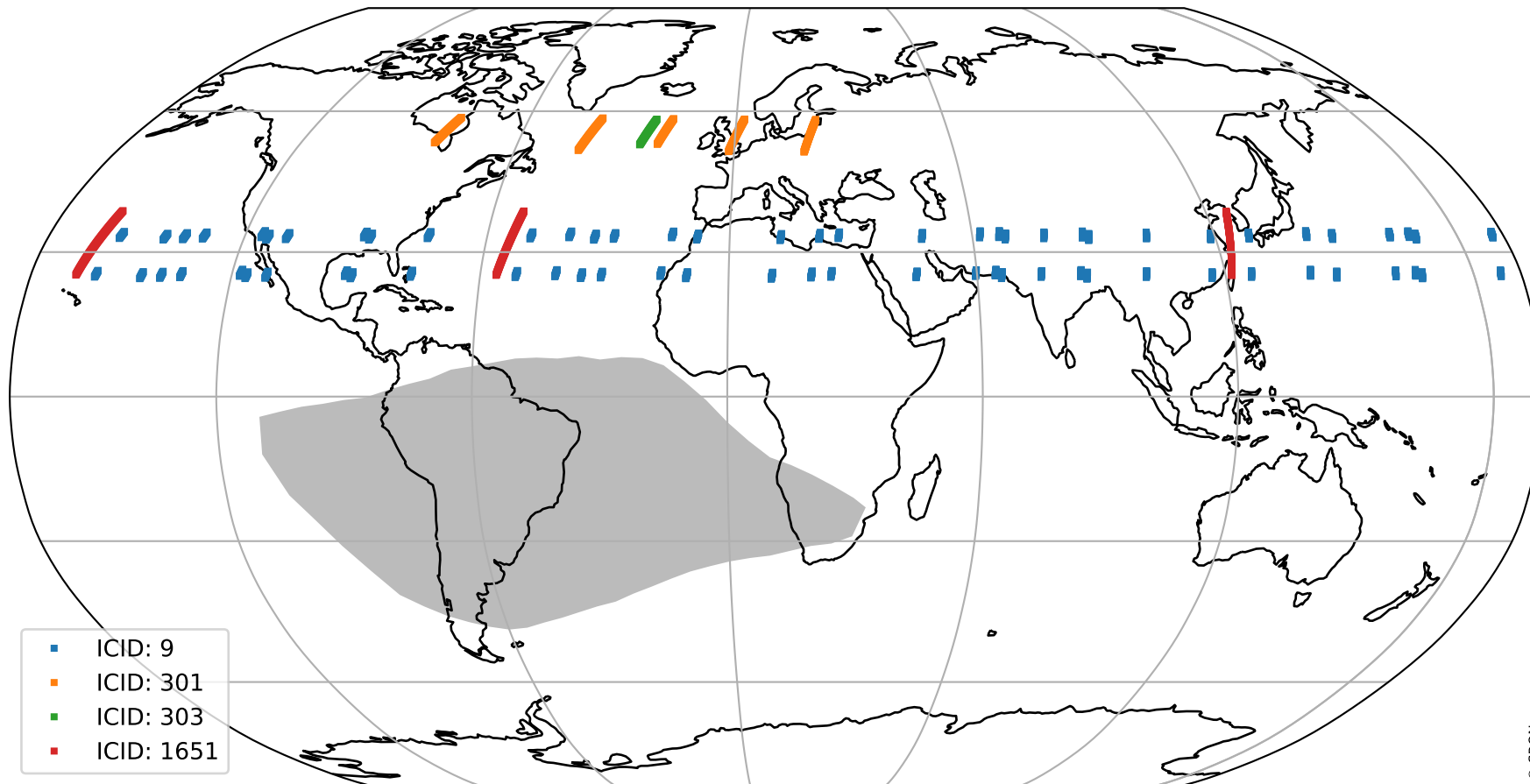
orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
median : 0.94624  
spread : 0.093398  
created : 2023-08-21T14:39:28





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

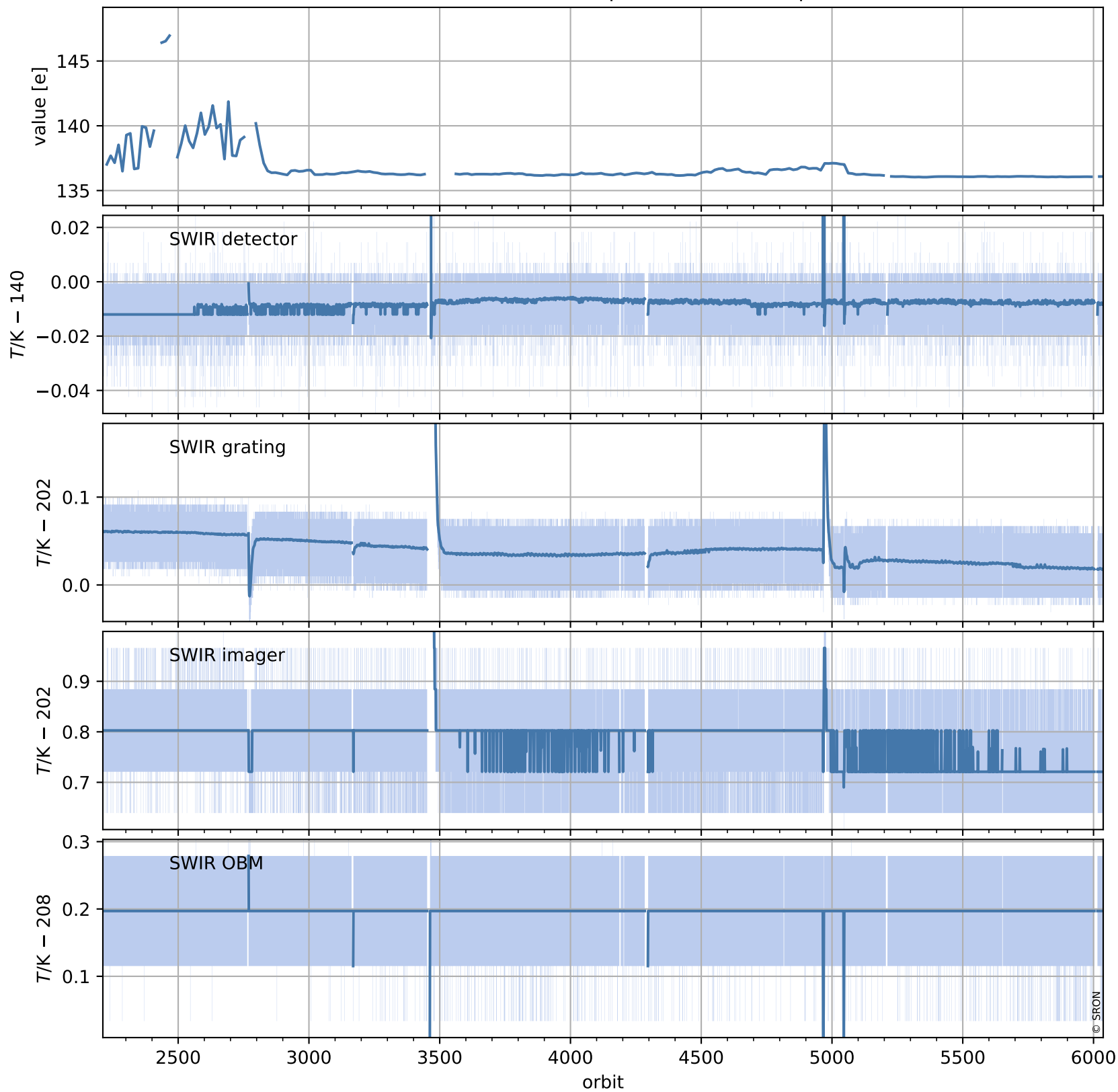
orbits : 9 in [5962, 6037]  
coverage : 2018-12-06 / 2018-12-12  
created : 2023-08-21T14:39:28



# Tropomi SWIR background noise (swir)

orbits : [2212, 6037]  
coverage : 2018-03-18 / 2018-12-12  
created : 2023-08-21T14:39:28

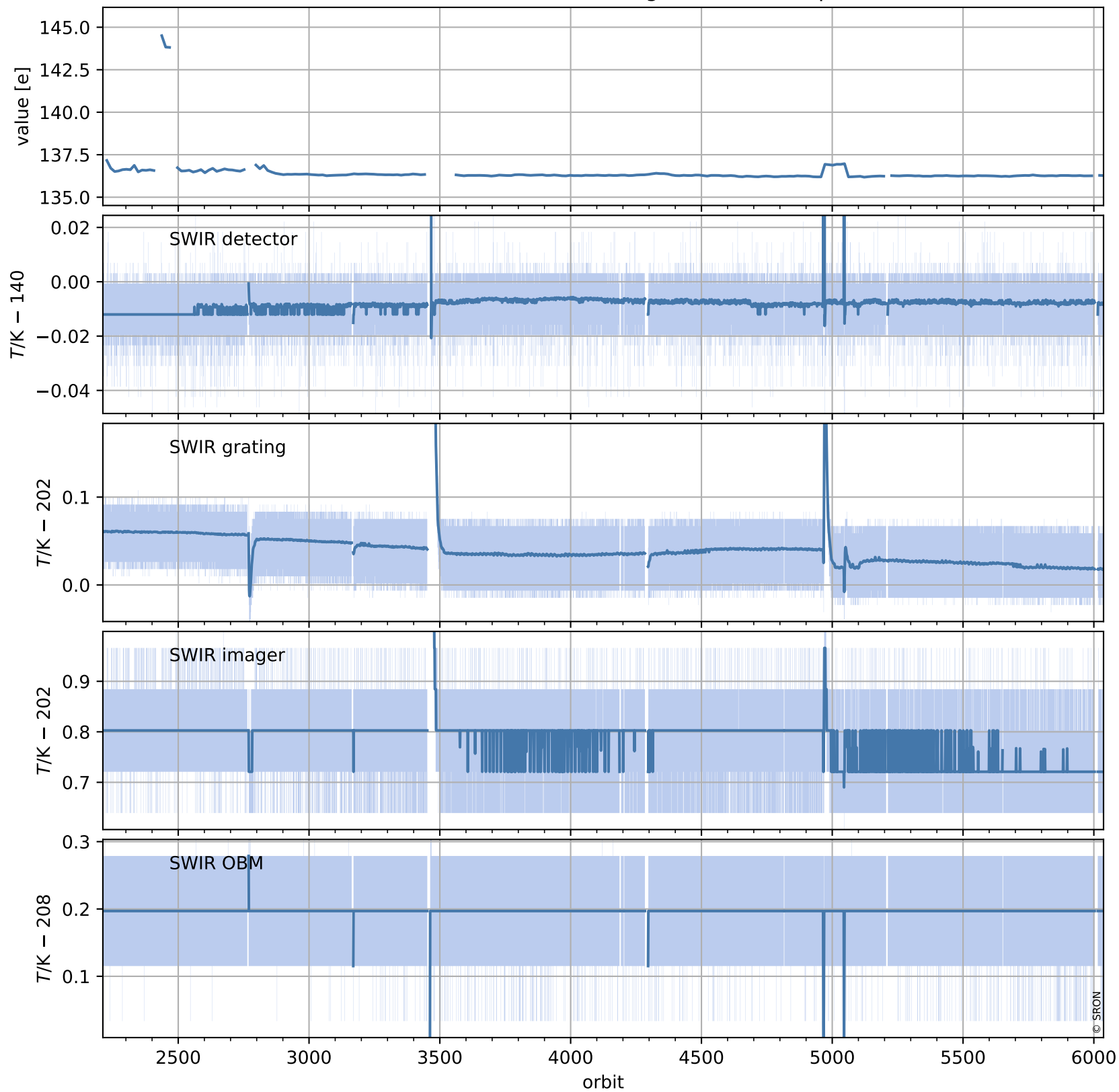
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6037]  
coverage : 2018-03-18 / 2018-12-12  
created : 2023-08-21T14:39:29

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6037]  
coverage : 2018-03-18 / 2018-12-12  
created : 2023-08-21T14:39:29

## trend of normalized read-noise & temperatures

