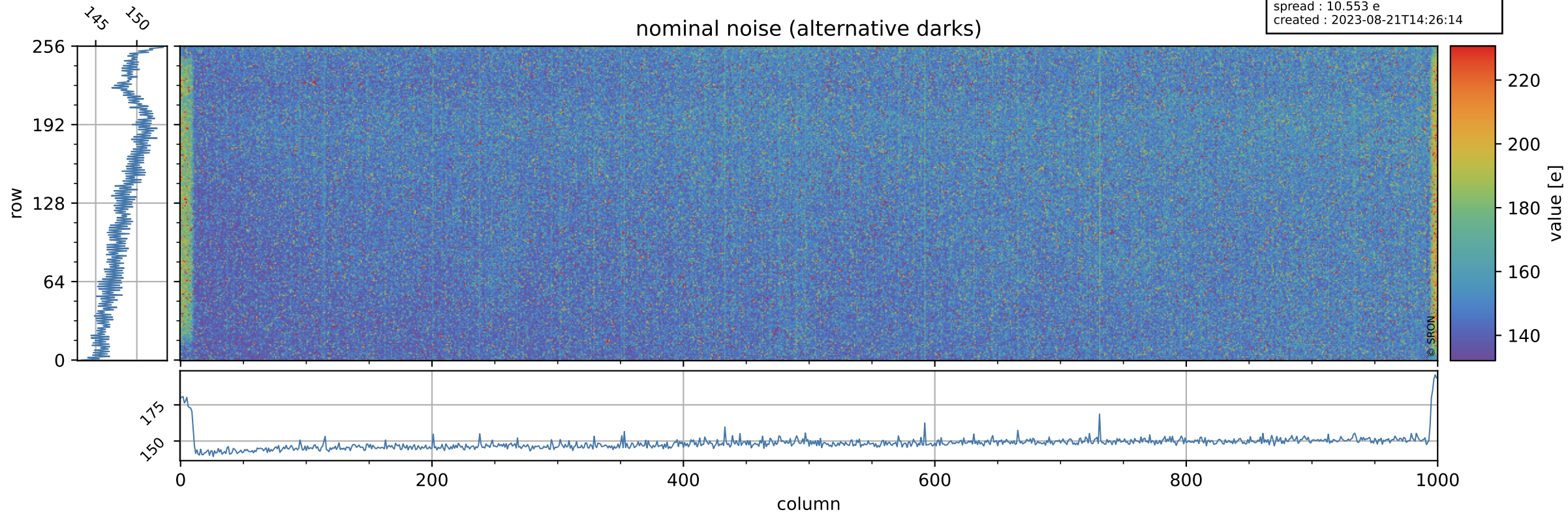


# Tropomi SWIR background noise (swir)

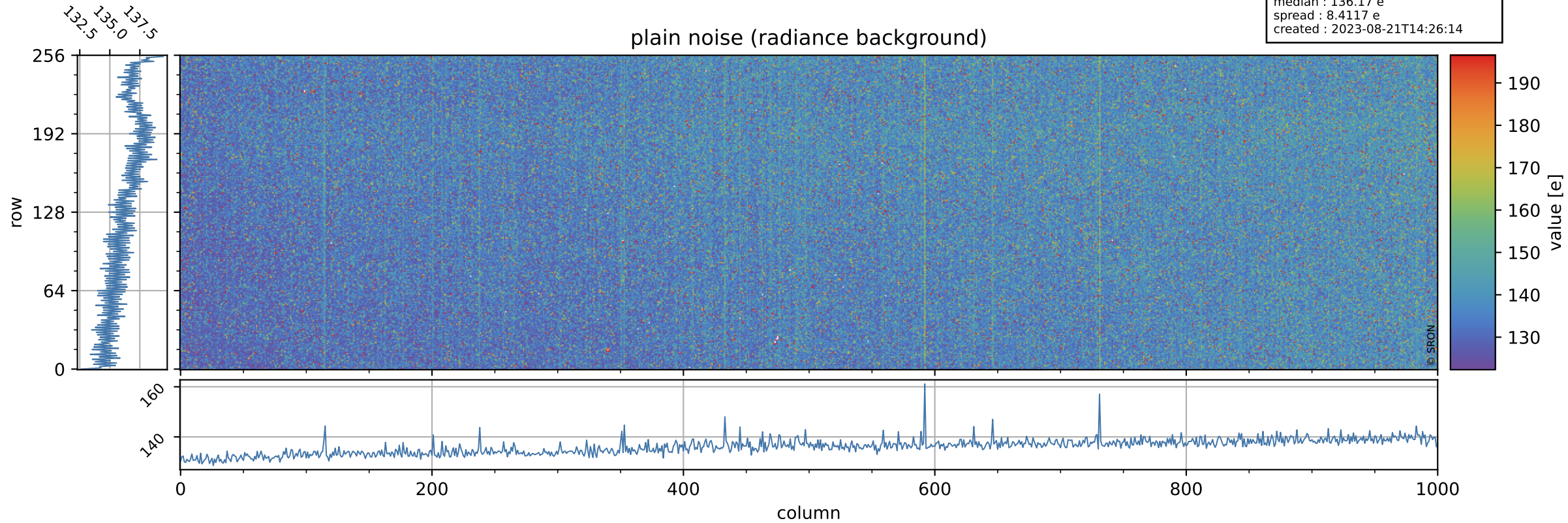
orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.553 e  
created : 2023-08-21T14:26:14



# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4117 e  
created : 2023-08-21T14:26:14

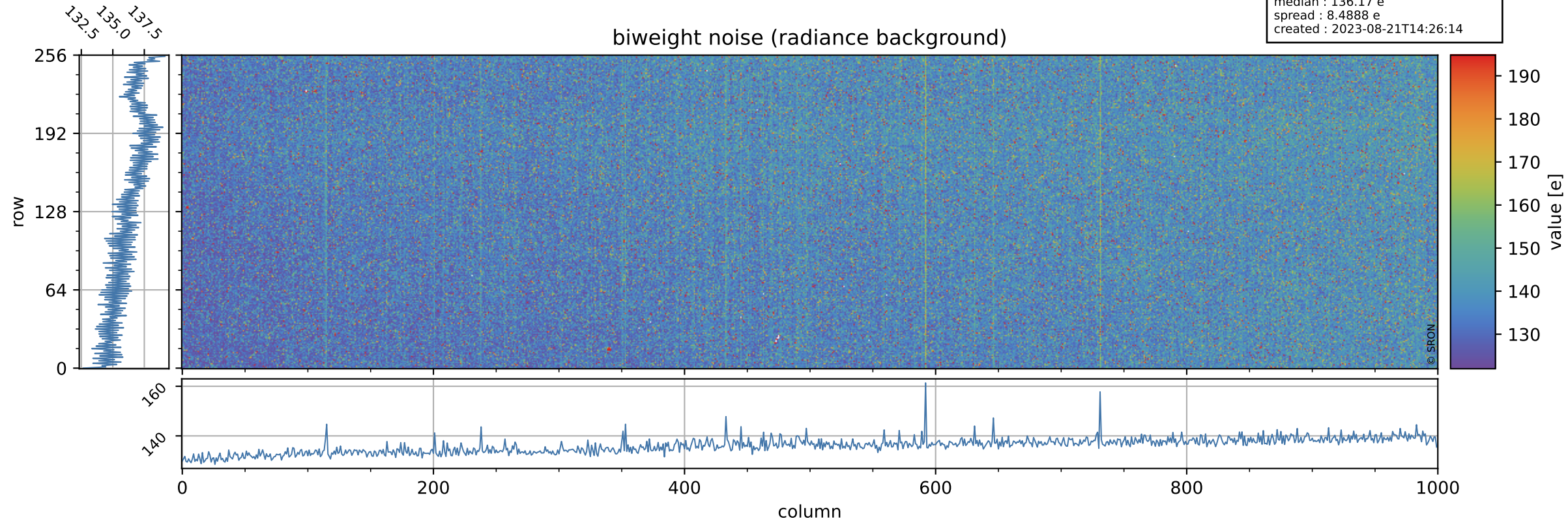
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4888 e  
created : 2023-08-21T14:26:14

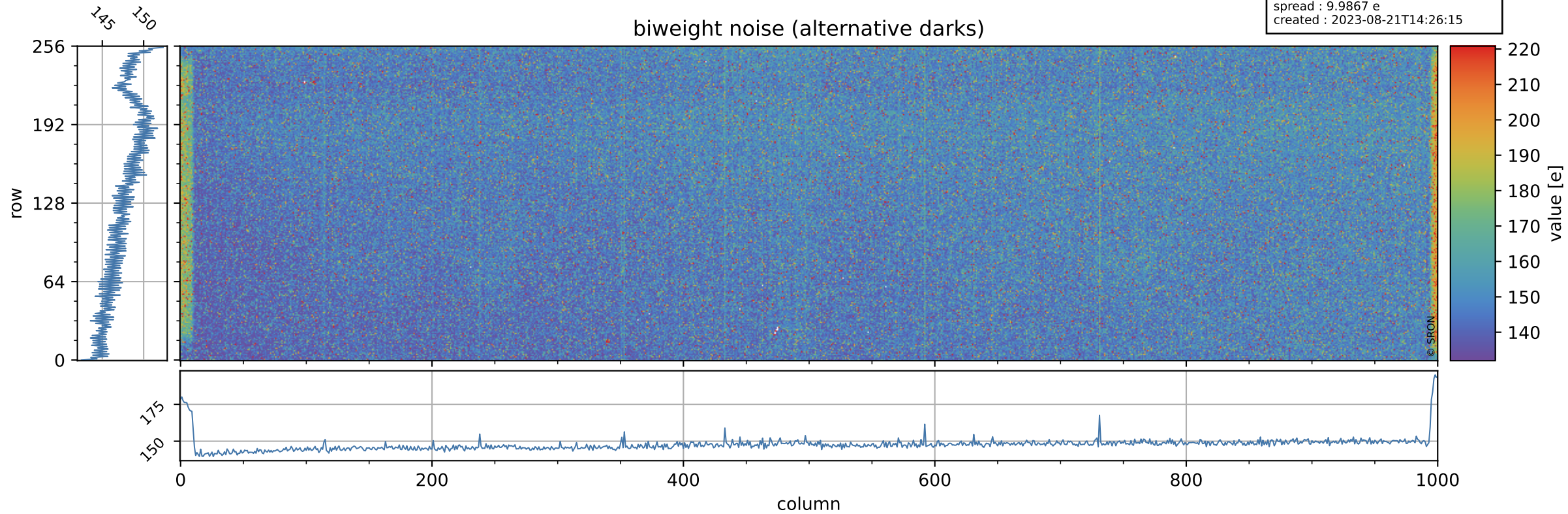
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.49 e  
spread : 9.9867 e  
created : 2023-08-21T14:26:15

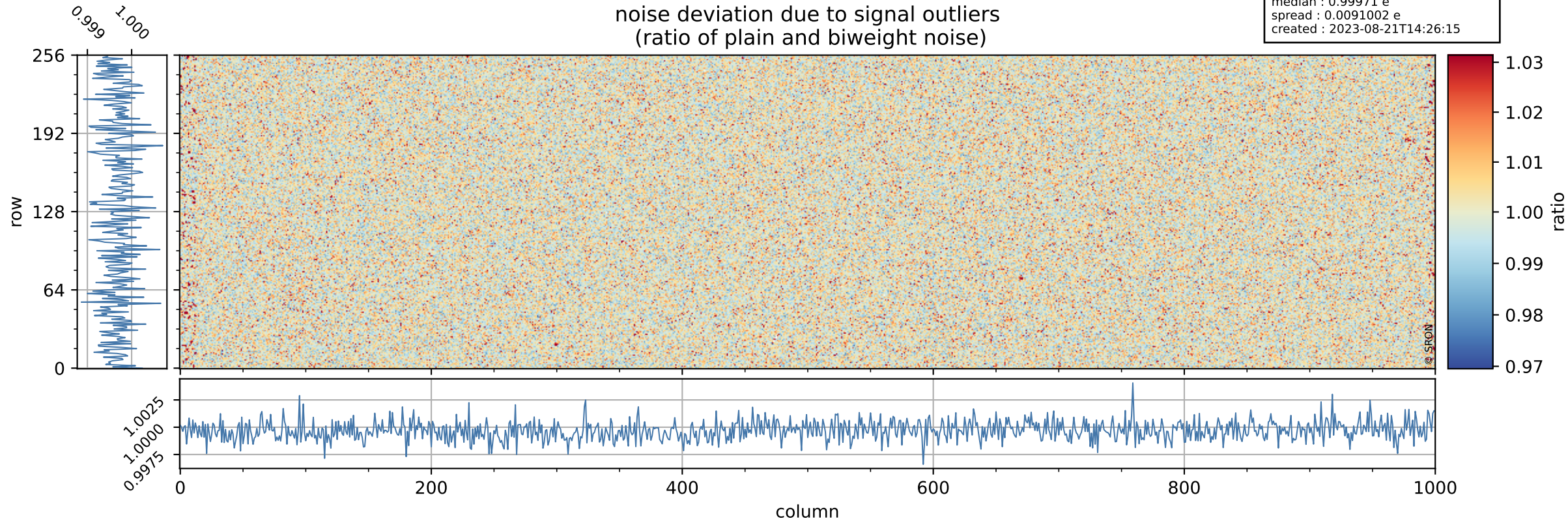
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

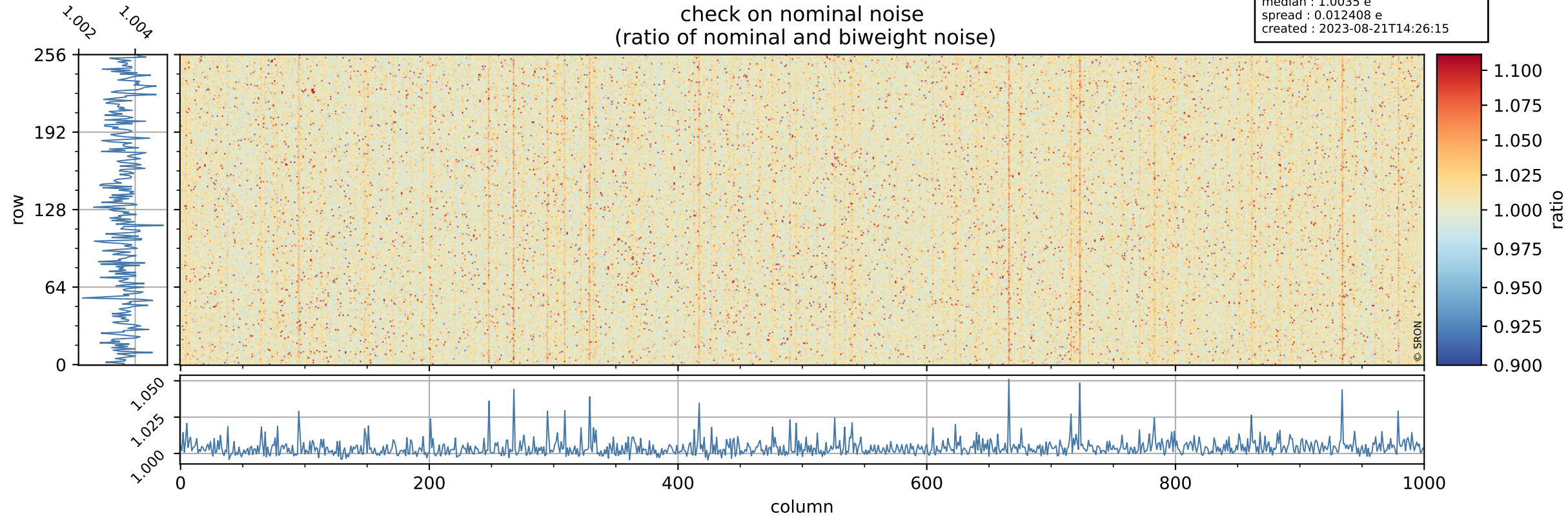
orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
median : 0.99971 e  
spread : 0.0091002 e  
created : 2023-08-21T14:26:15



# Tropomi SWIR background noise (swir)

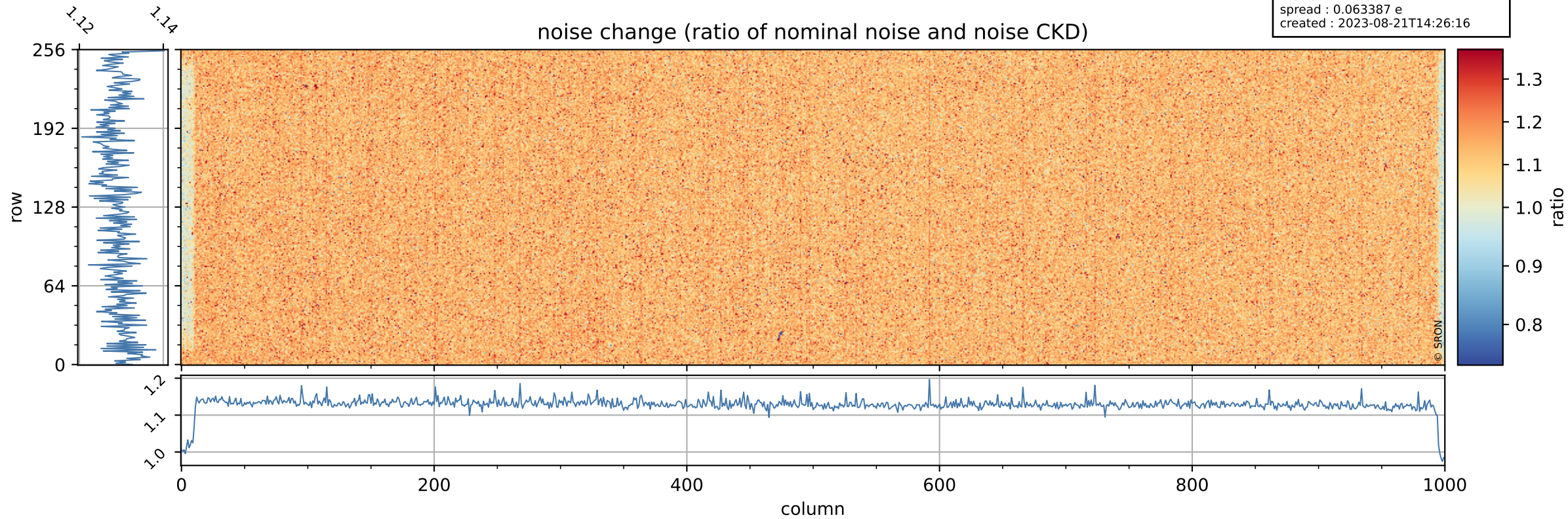
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
median : 1.0035 e  
spread : 0.012408 e  
created : 2023-08-21T14:26:15



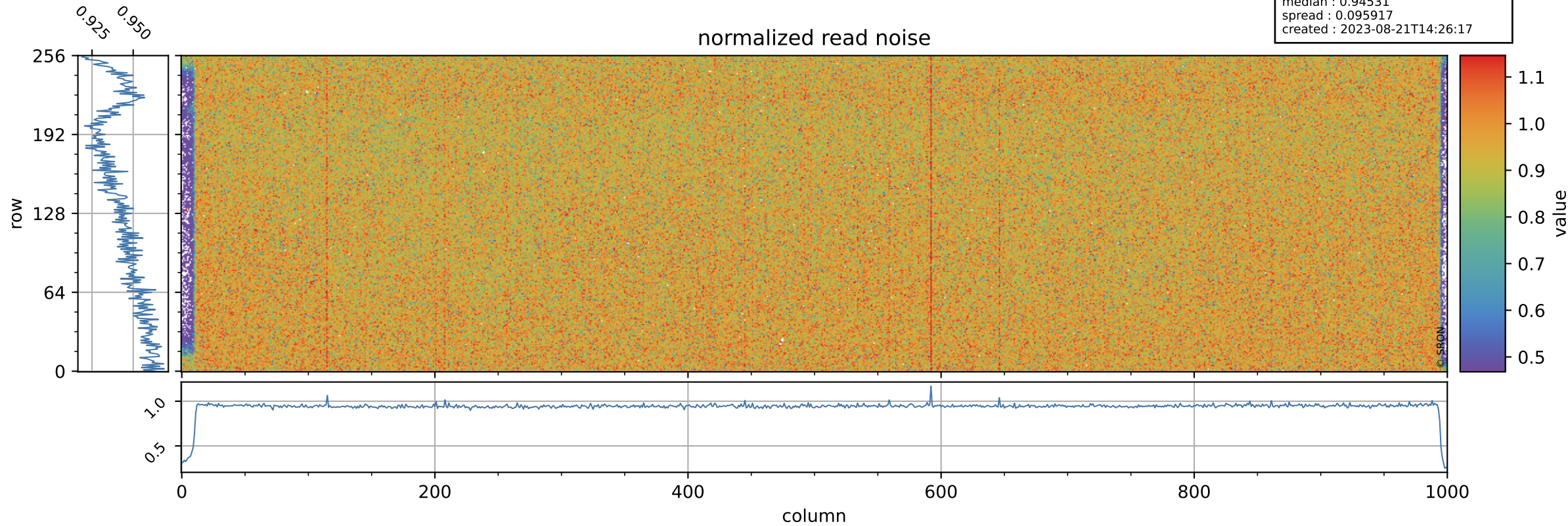
# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
median : 1.1288 e  
spread : 0.063387 e  
created : 2023-08-21T14:26:16



# Tropomi SWIR background noise (swir)

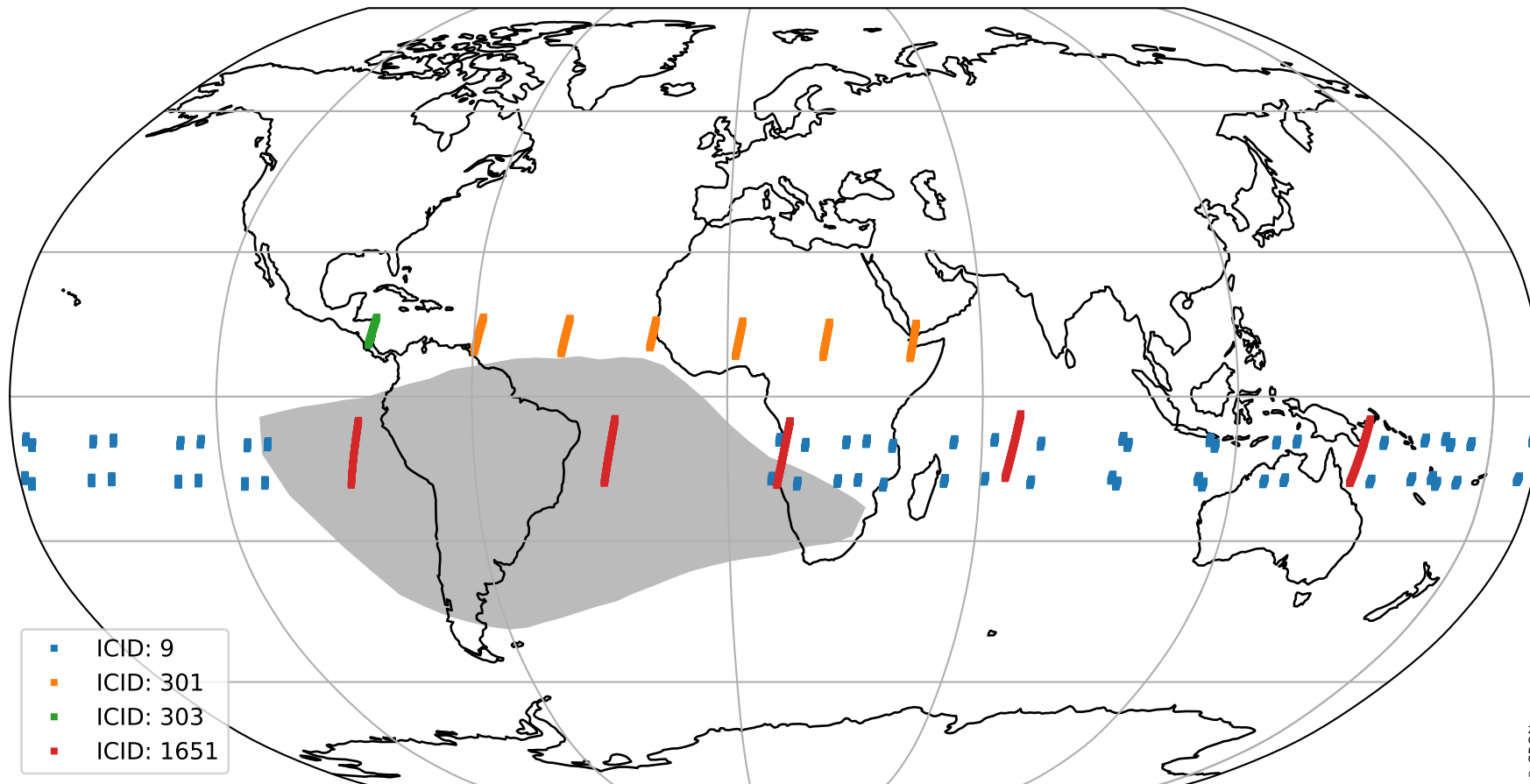
orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
median : 0.94531  
spread : 0.095917  
created : 2023-08-21T14:26:17





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

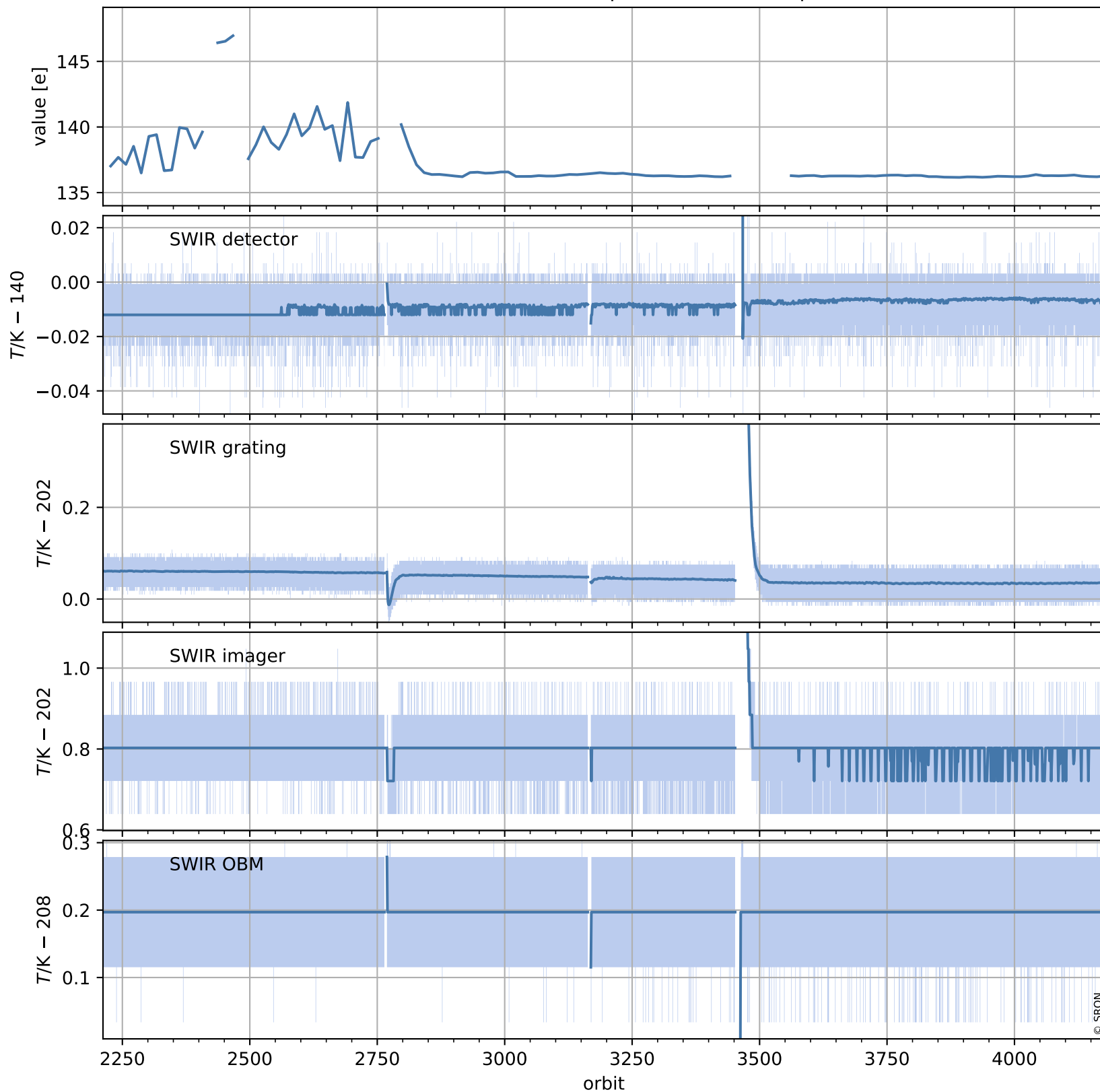
orbits : 12 in [4087, 4177]  
coverage : 2018-07-28 / 2018-08-03  
created : 2023-08-21T14:26:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 4177]  
coverage : 2018-03-18 / 2018-08-03  
created : 2023-08-21T14:26:18

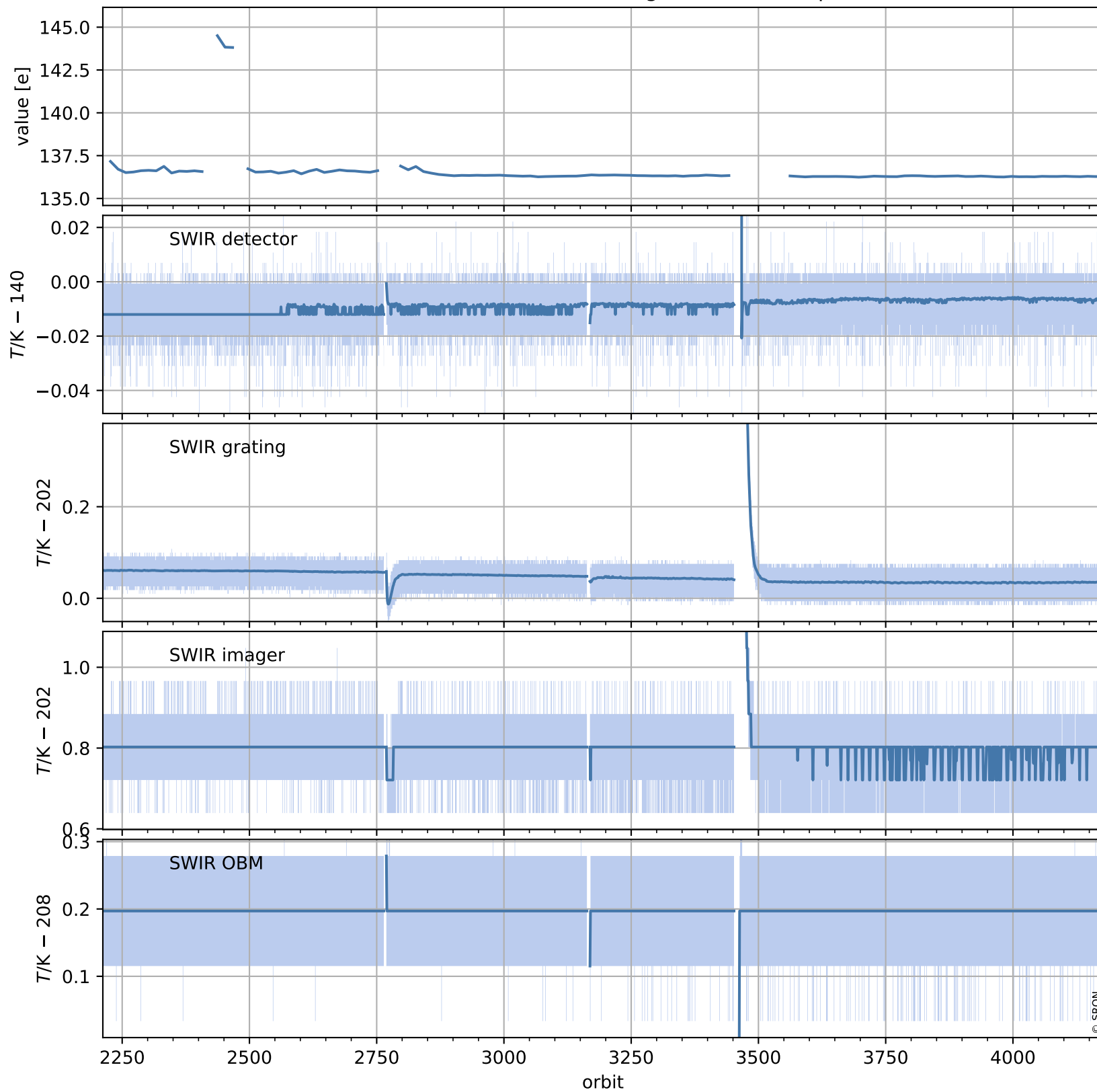
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4177]  
coverage : 2018-03-18 / 2018-08-03  
created : 2023-08-21T14:26:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4177]  
coverage : 2018-03-18 / 2018-08-03  
created : 2023-08-21T14:26:19

## trend of normalized read-noise & temperatures

