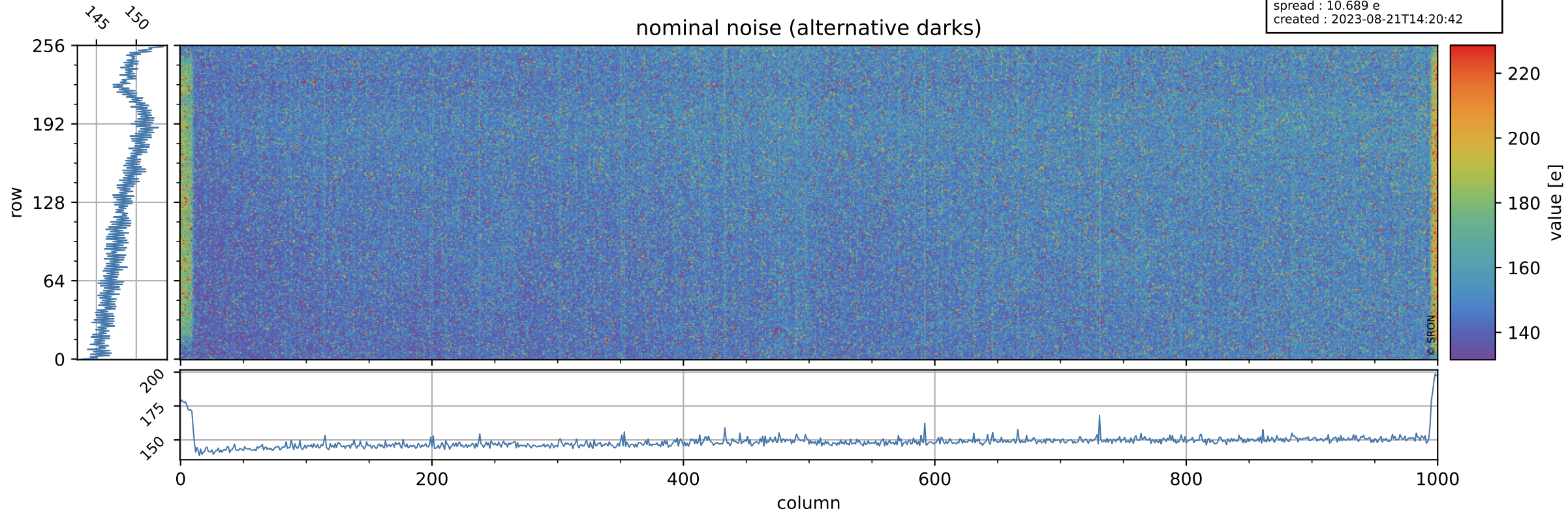


# Tropomi SWIR background noise (swir)

orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.33 e  
spread : 10.689 e  
created : 2023-08-21T14:20:42

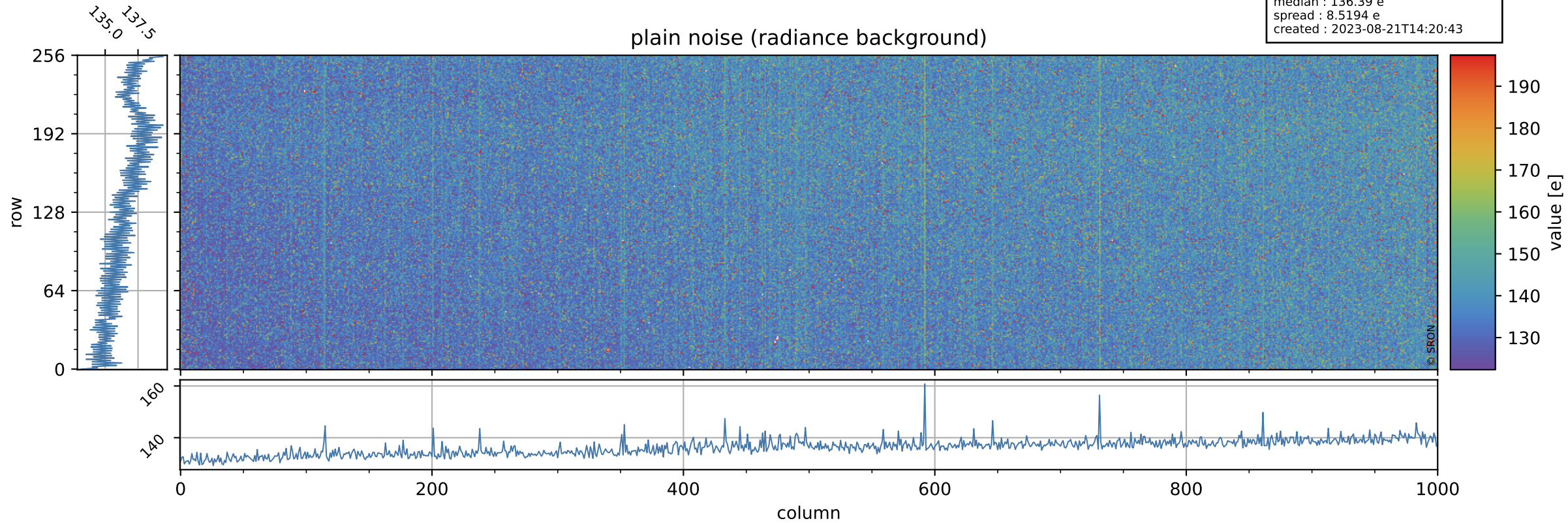
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.39 e  
spread : 8.5194 e  
created : 2023-08-21T14:20:43

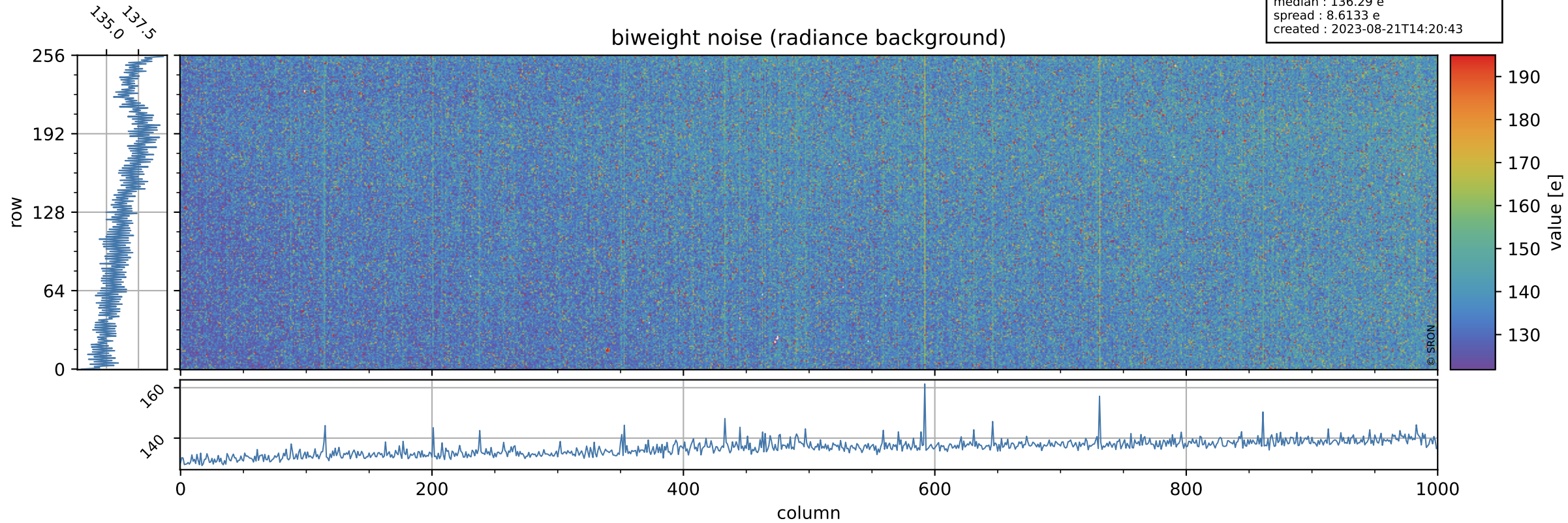
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.29 e  
spread : 8.6133 e  
created : 2023-08-21T14:20:43

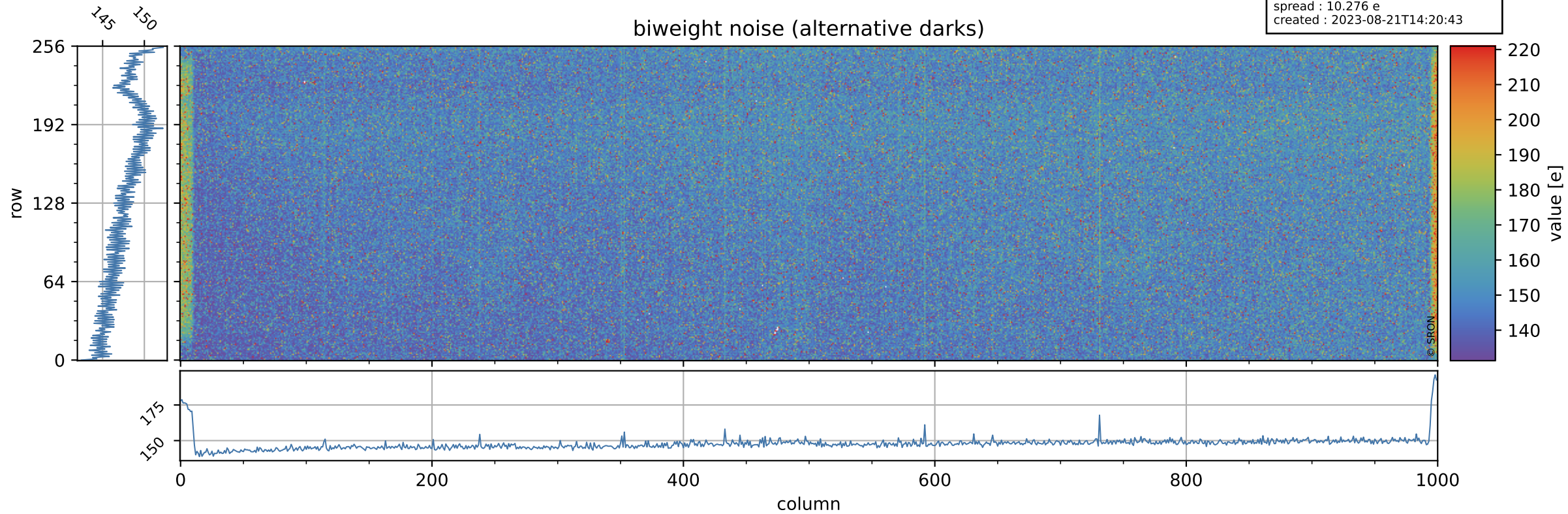
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 10.276 e  
created : 2023-08-21T14:20:43

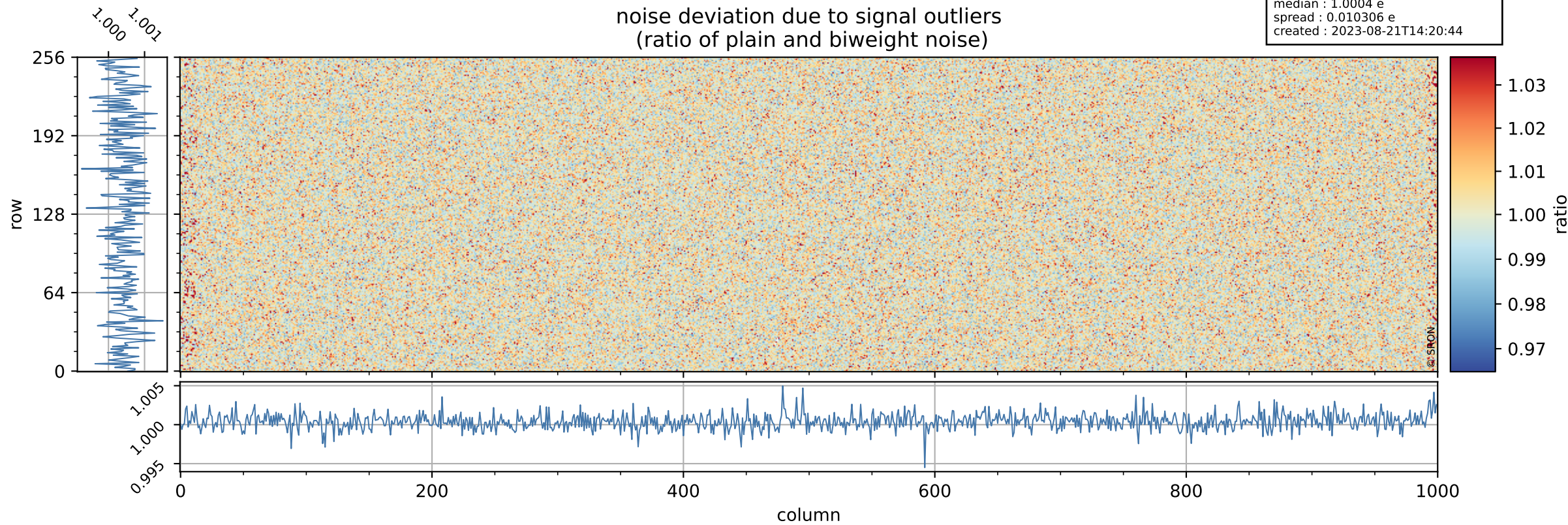
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

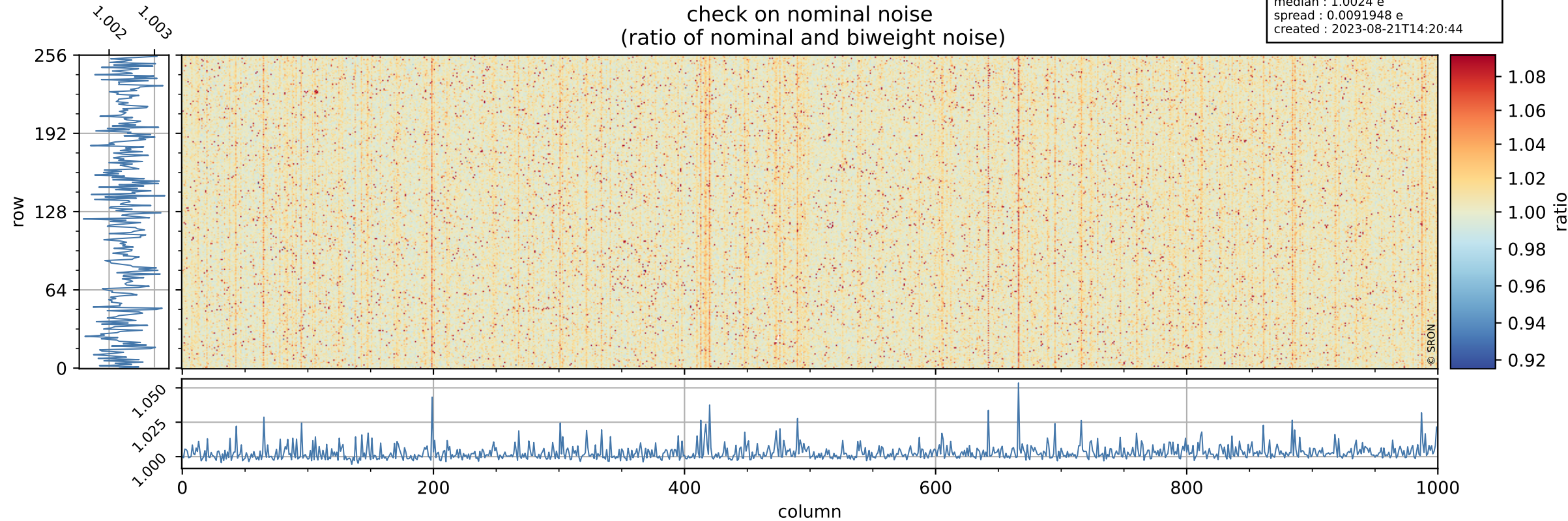
orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
median : 1.0004 e  
spread : 0.010306 e  
created : 2023-08-21T14:20:44



# Tropomi SWIR background noise (swir)

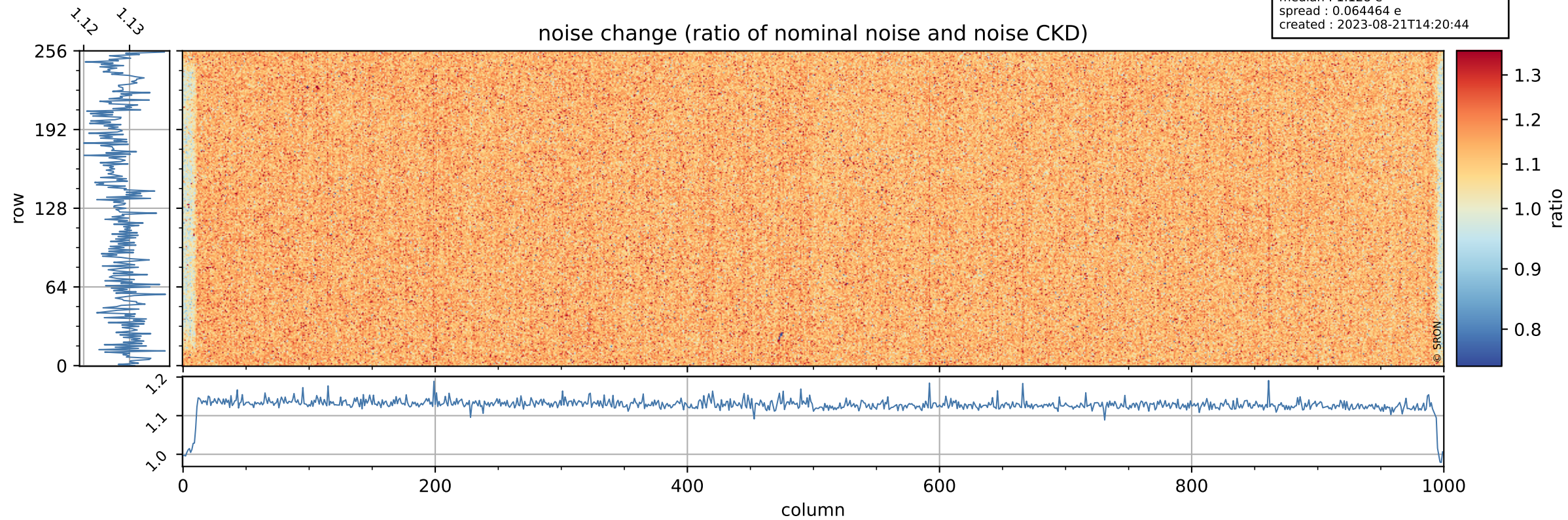
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
median : 1.0024 e  
spread : 0.0091948 e  
created : 2023-08-21T14:20:44



# Tropomi SWIR background noise (swir)

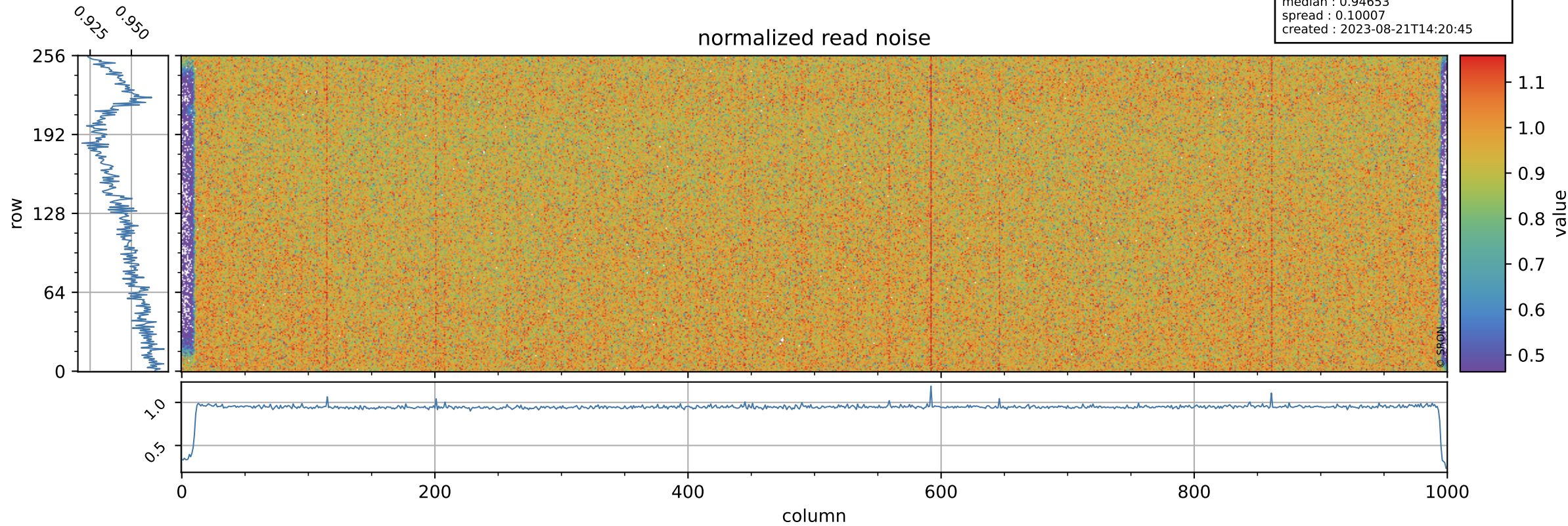
orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
median : 1.128 e  
spread : 0.064464 e  
created : 2023-08-21T14:20:44



# Tropomi SWIR background noise (swir)

orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
median : 0.94653  
spread : 0.10007  
created : 2023-08-21T14:20:45

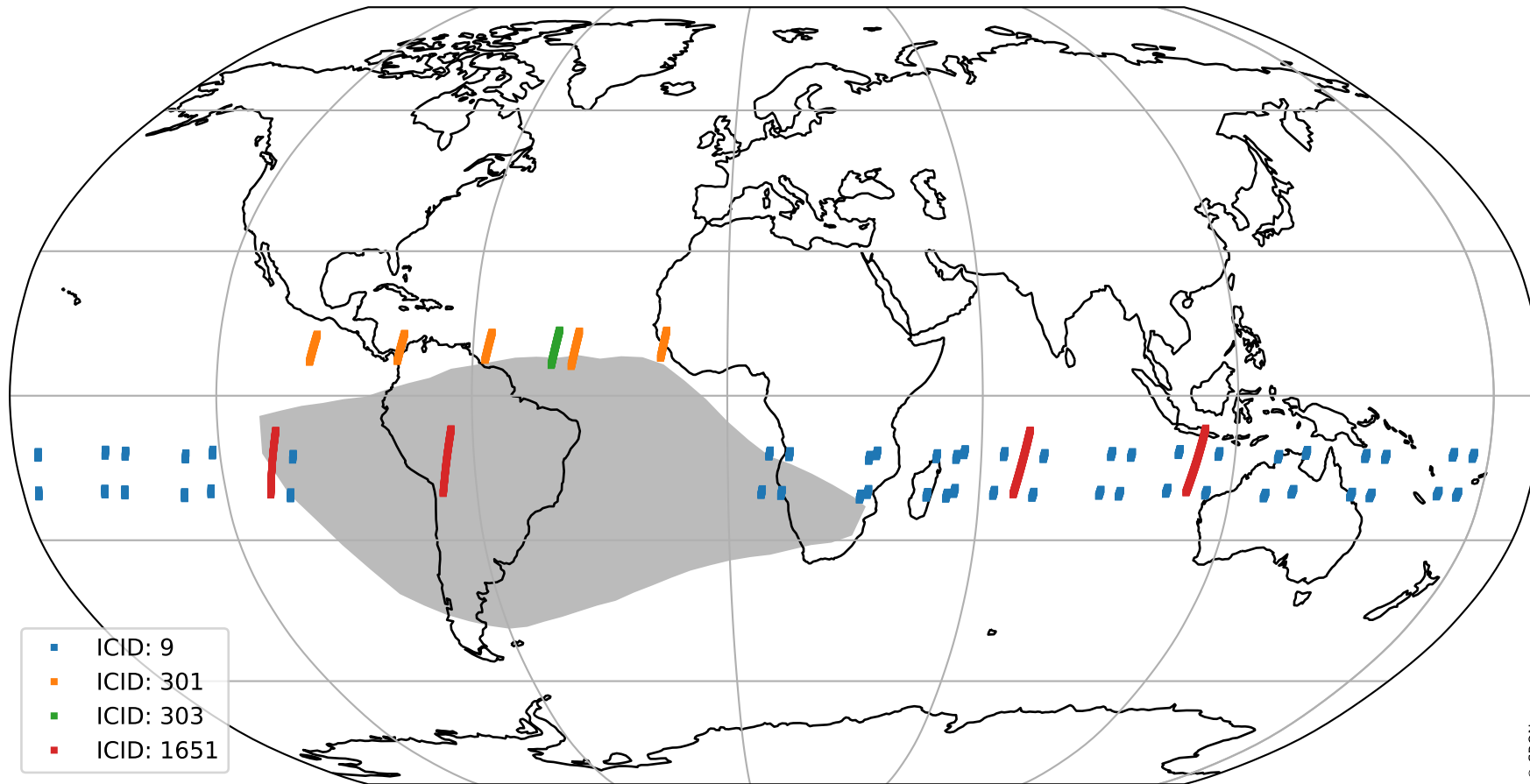
normalized read noise





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

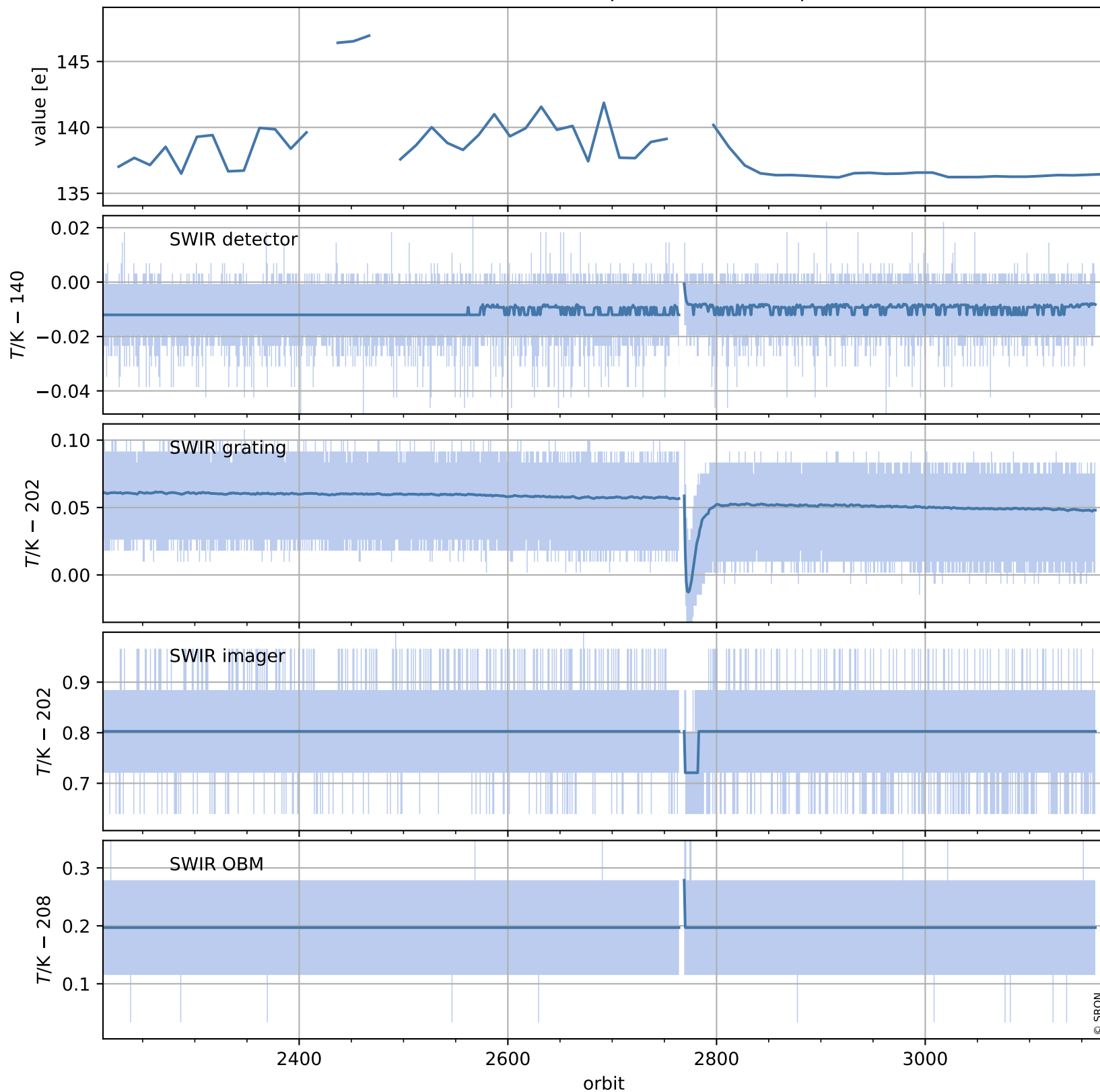
orbits : 10 in [3112, 3172]  
coverage : 2018-05-19 / 2018-05-23  
created : 2023-08-21T14:20:45



# Tropomi SWIR background noise (swir)

orbits : [2212, 3172]  
coverage : 2018-03-18 / 2018-05-23  
created : 2023-08-21T14:20:45

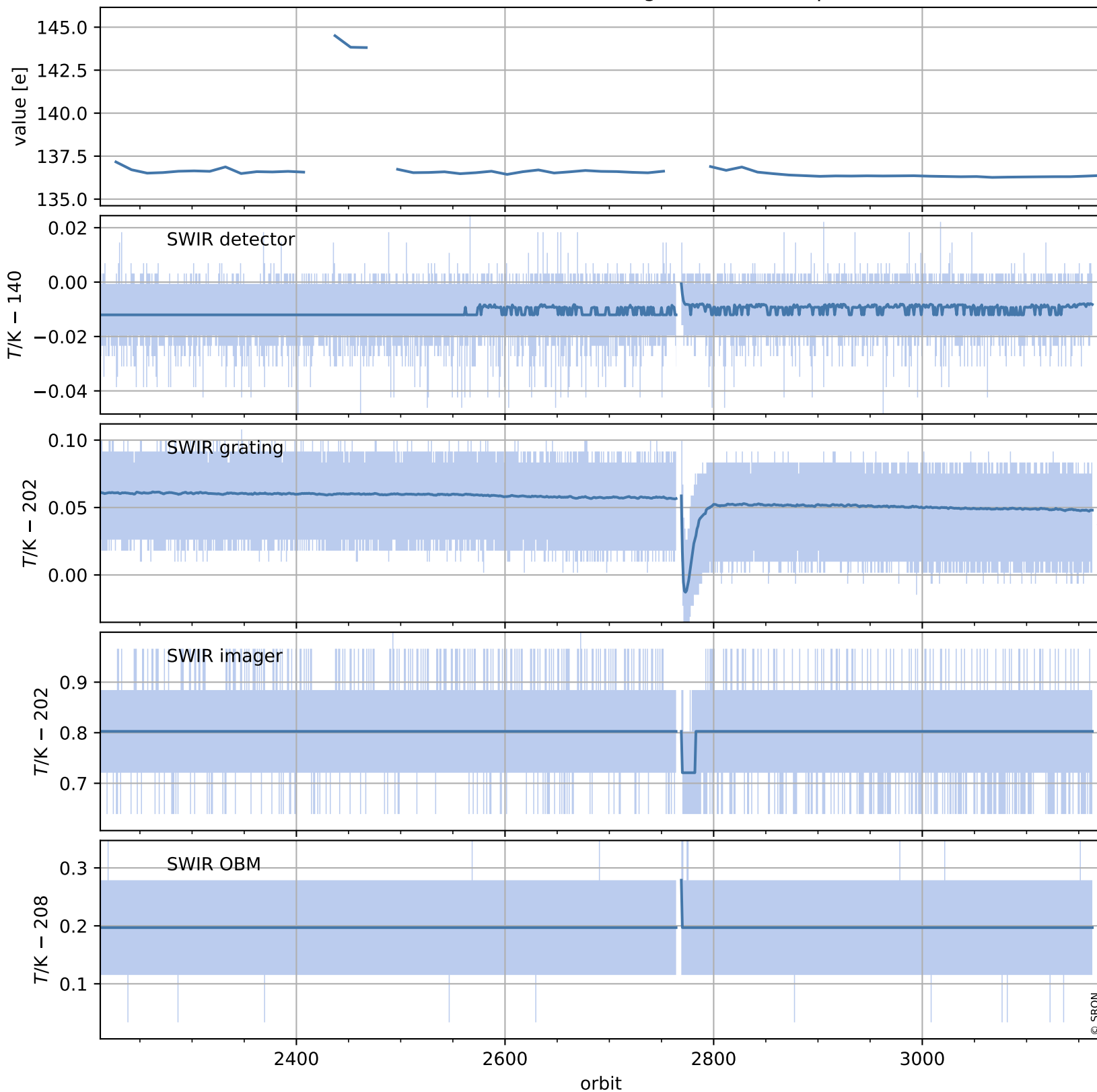
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3172]  
coverage : 2018-03-18 / 2018-05-23  
created : 2023-08-21T14:20:45

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3172]  
coverage : 2018-03-18 / 2018-05-23  
created : 2023-08-21T14:20:46

## trend of normalized read-noise & temperatures

