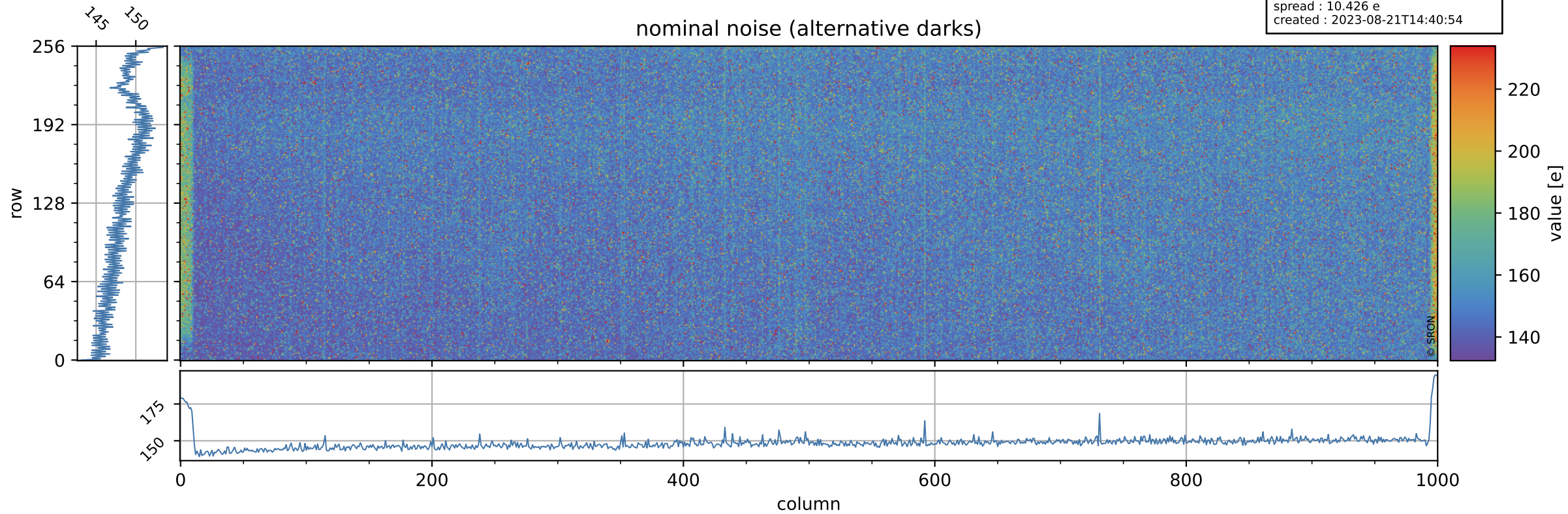


# Tropomi SWIR background noise (swir)

orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.29 e  
spread : 10.426 e  
created : 2023-08-21T14:40:54

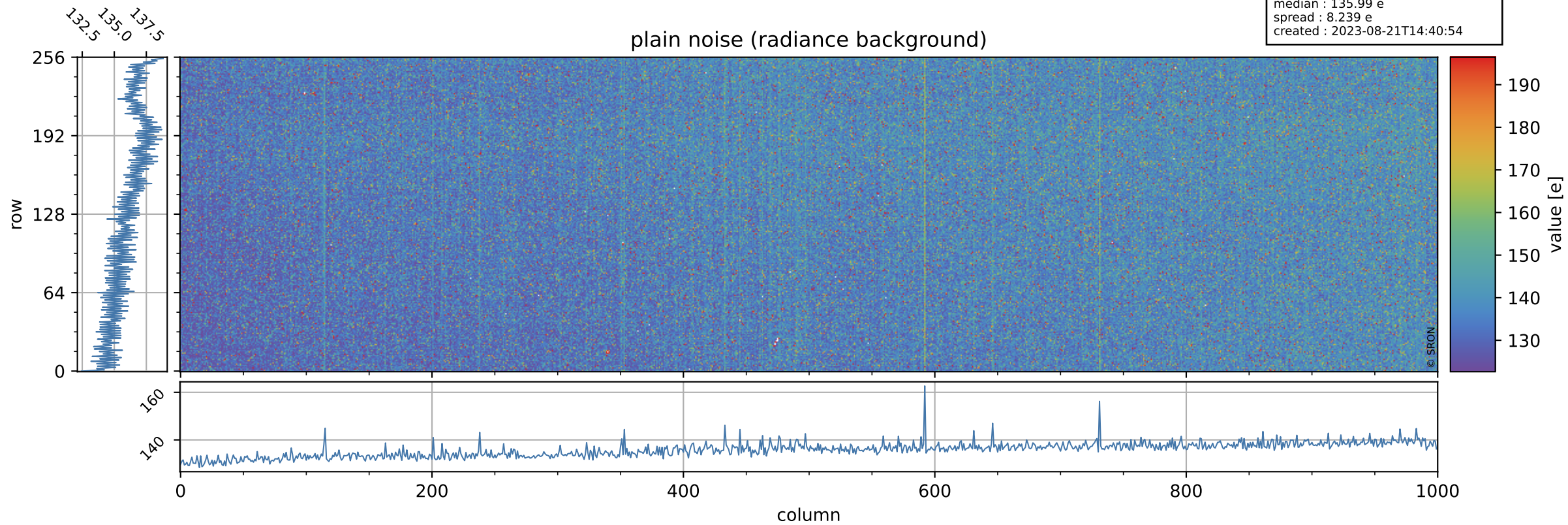
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
n\_coad, t\_exp : 2, 0.5383  
median : 135.99 e  
spread : 8.239 e  
created : 2023-08-21T14:40:54

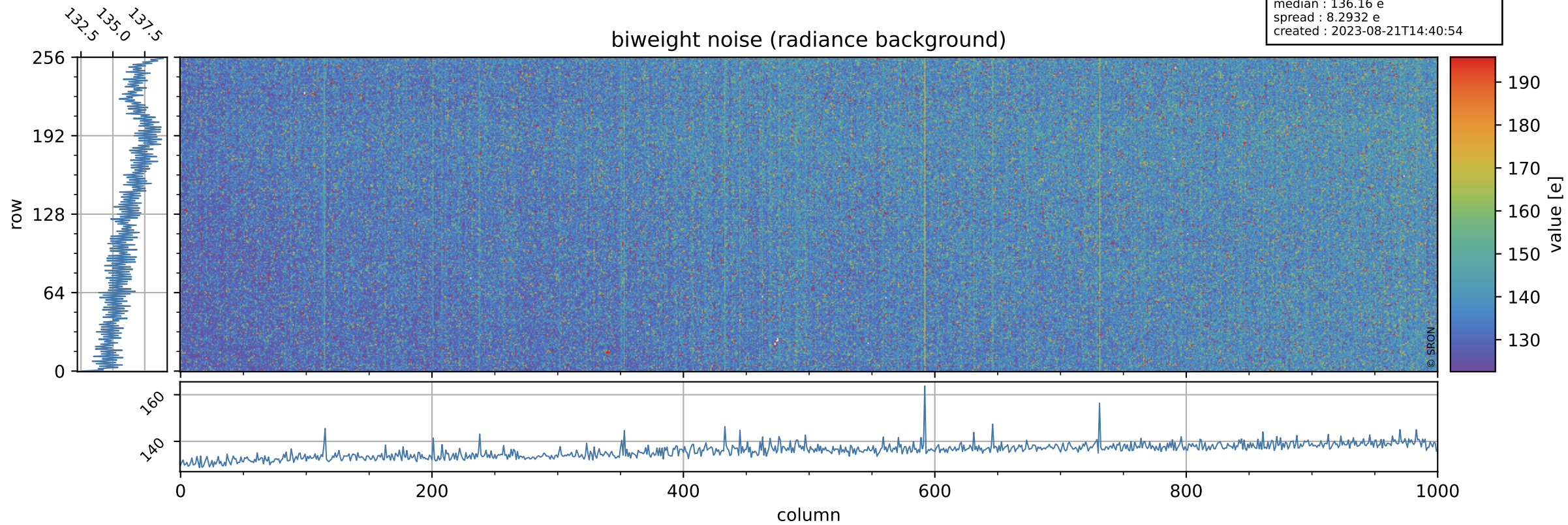
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.2932 e  
created : 2023-08-21T14:40:54

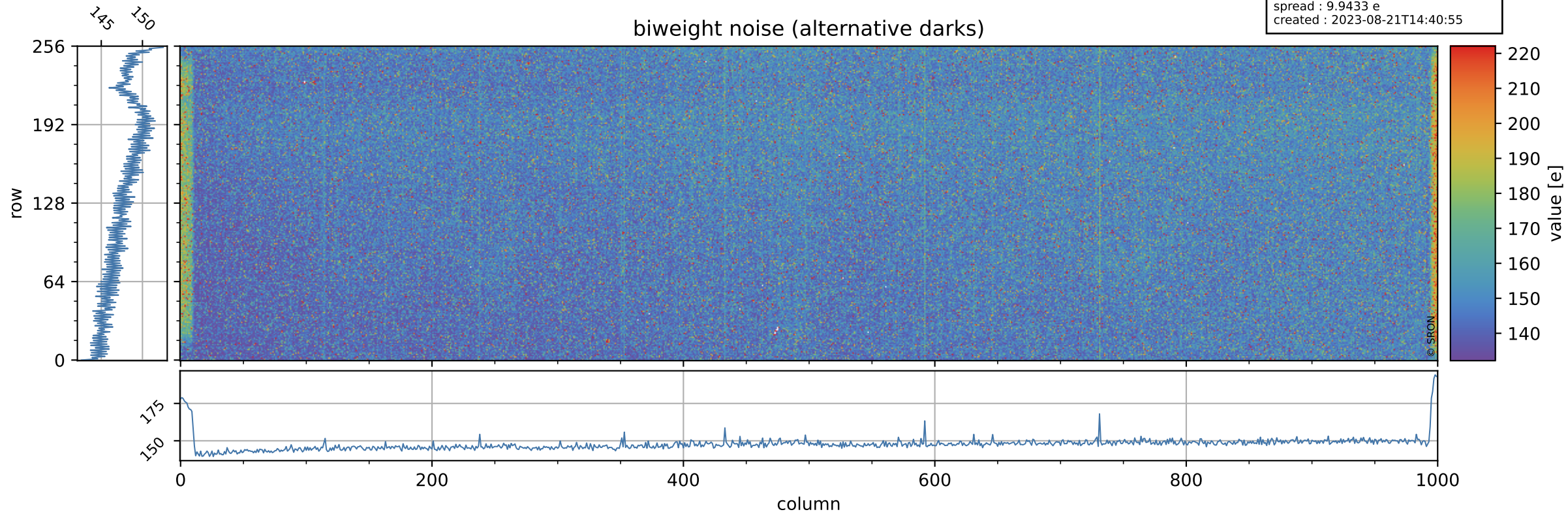
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 9.9433 e  
created : 2023-08-21T14:40:55

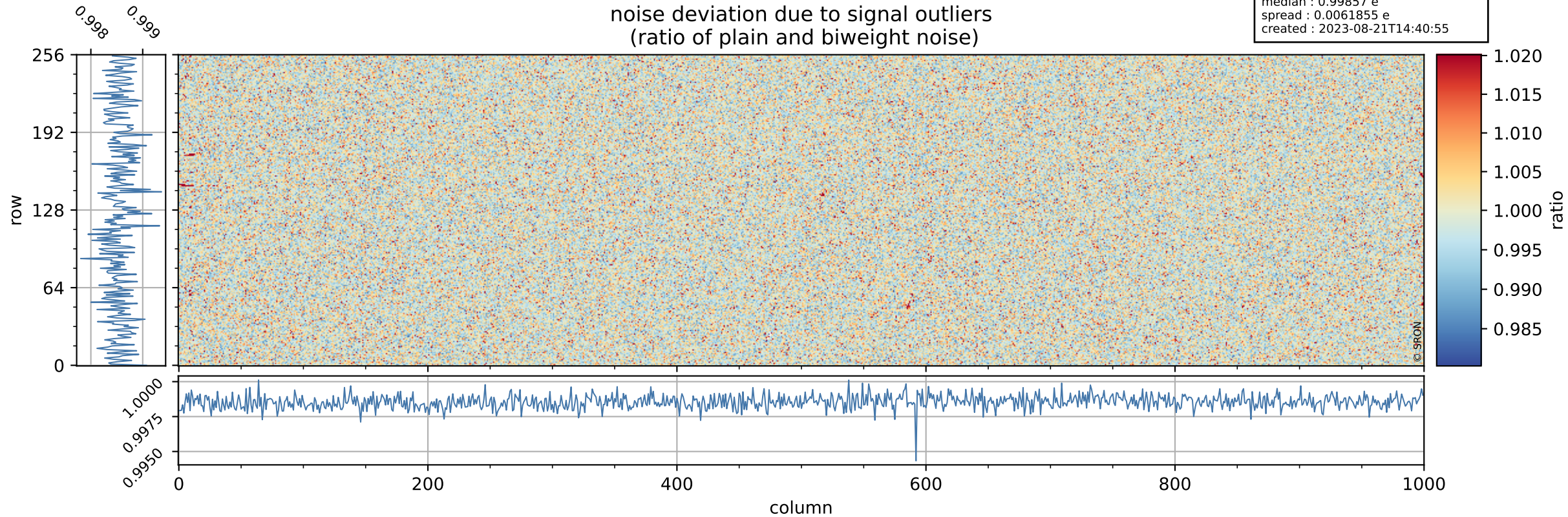
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

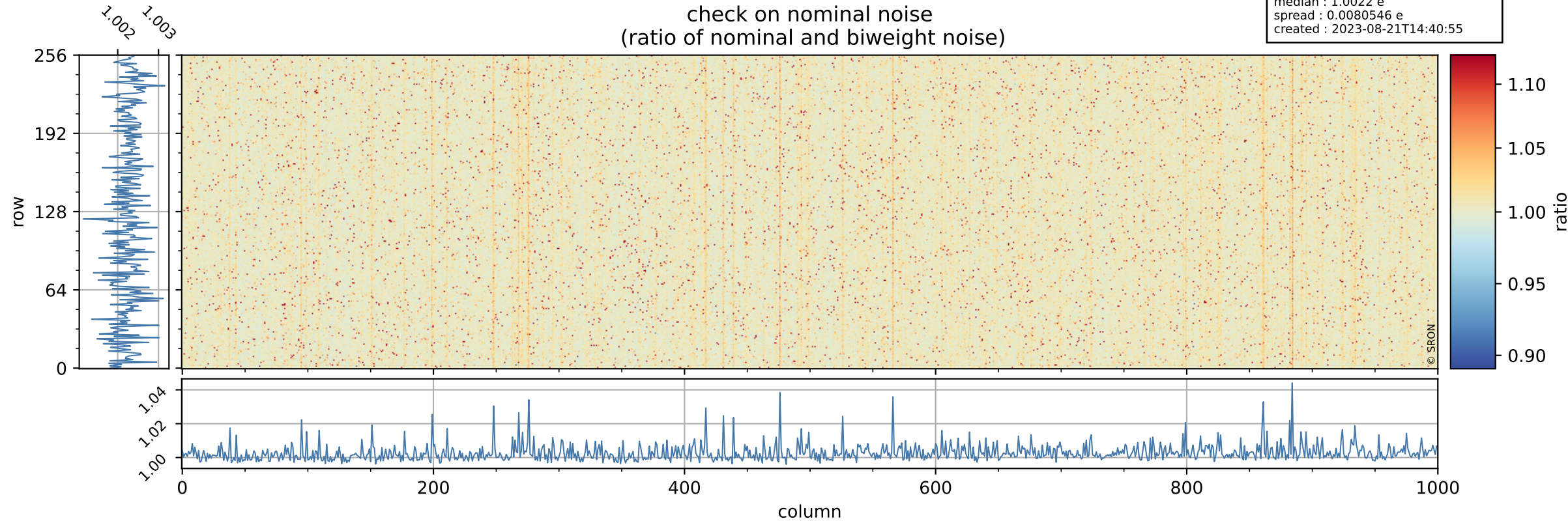
orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
median : 0.99857 e  
spread : 0.0061855 e  
created : 2023-08-21T14:40:55



# Tropomi SWIR background noise (swir)

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

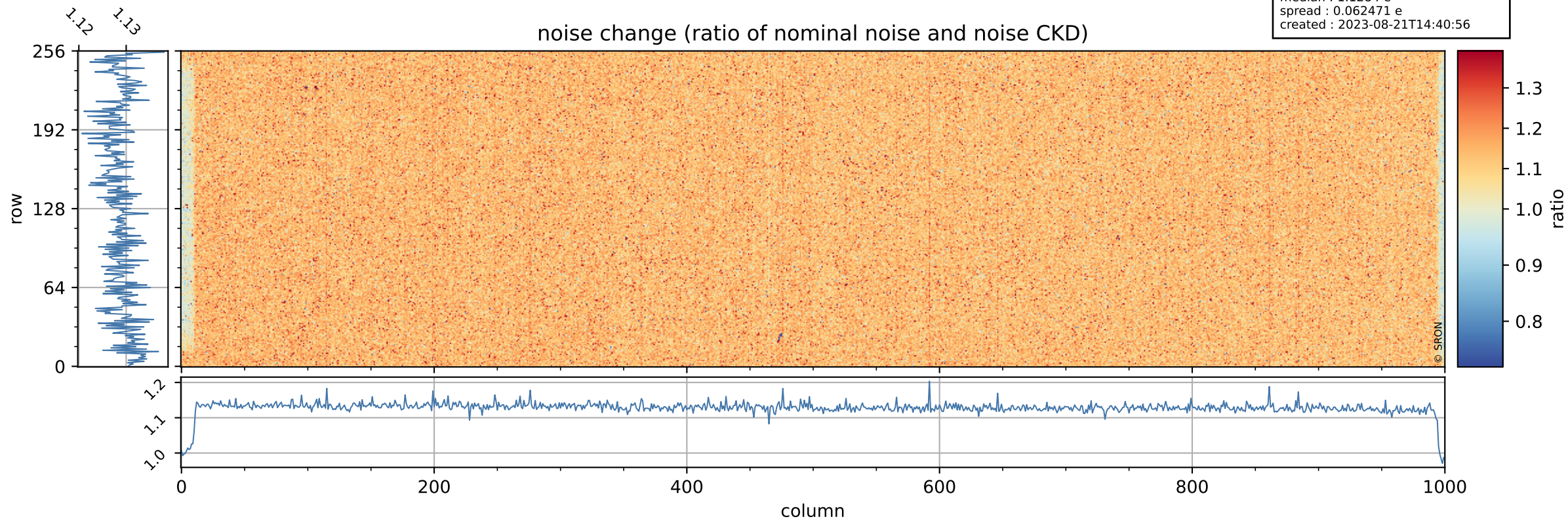
orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
median : 1.0022 e  
spread : 0.0080546 e  
created : 2023-08-21T14:40:55



# Tropomi SWIR background noise (swir)

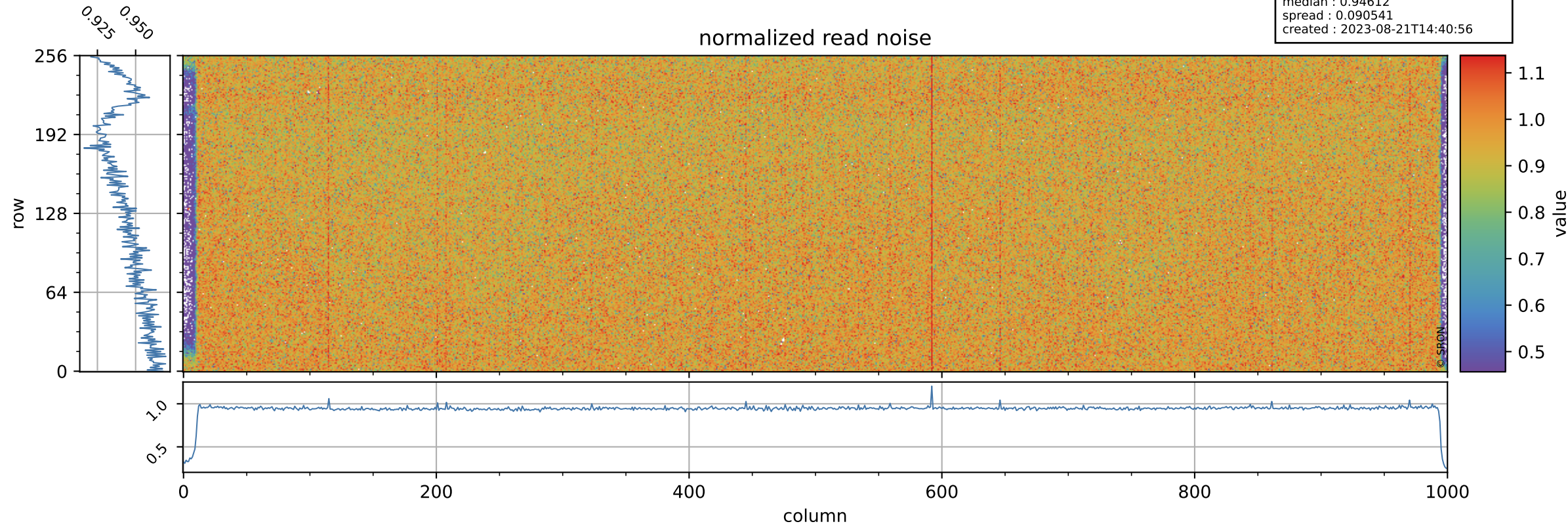
orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
median : 1.1284 e  
spread : 0.062471 e  
created : 2023-08-21T14:40:56

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

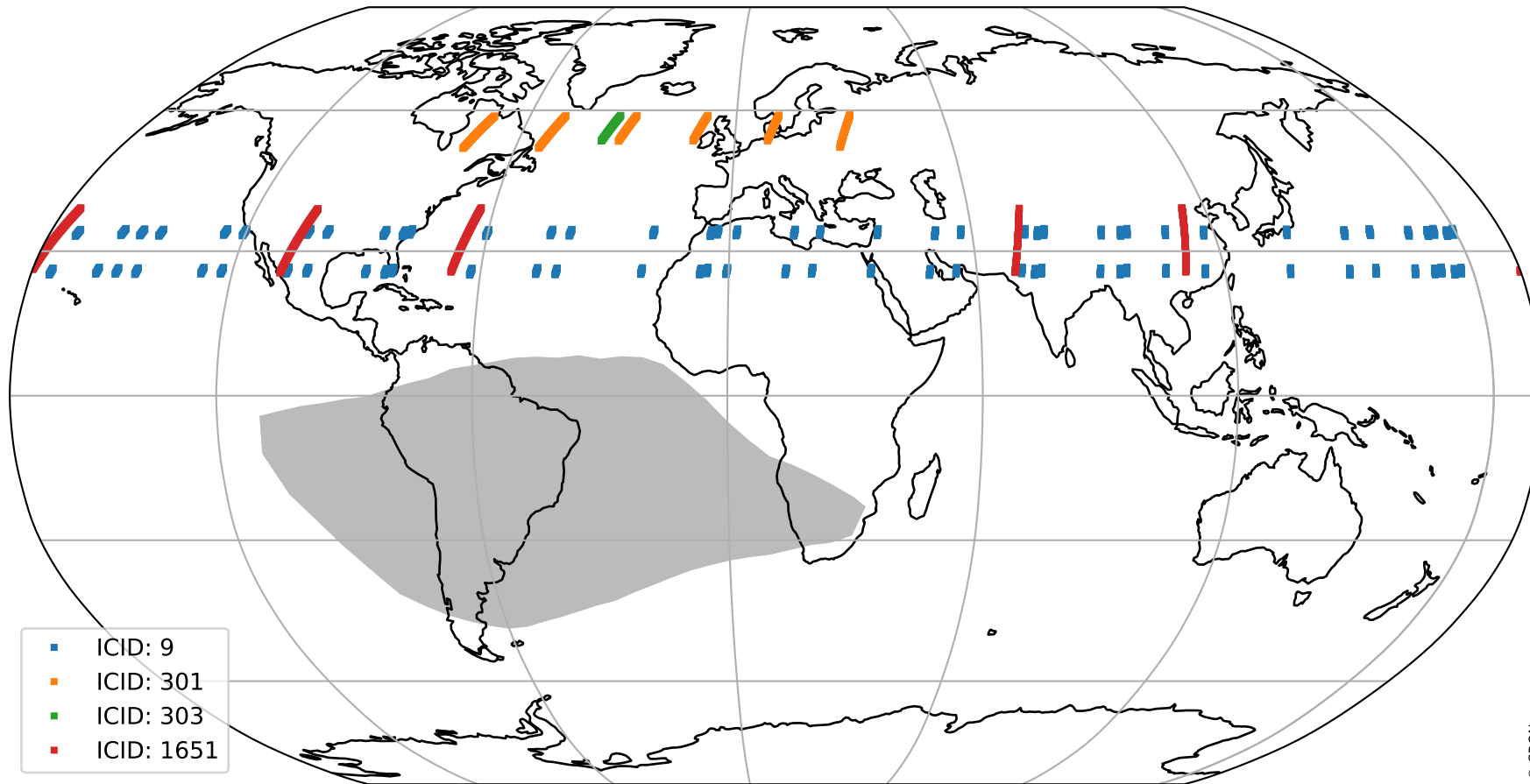
orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
median : 0.94612  
spread : 0.090541  
created : 2023-08-21T14:40:56





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

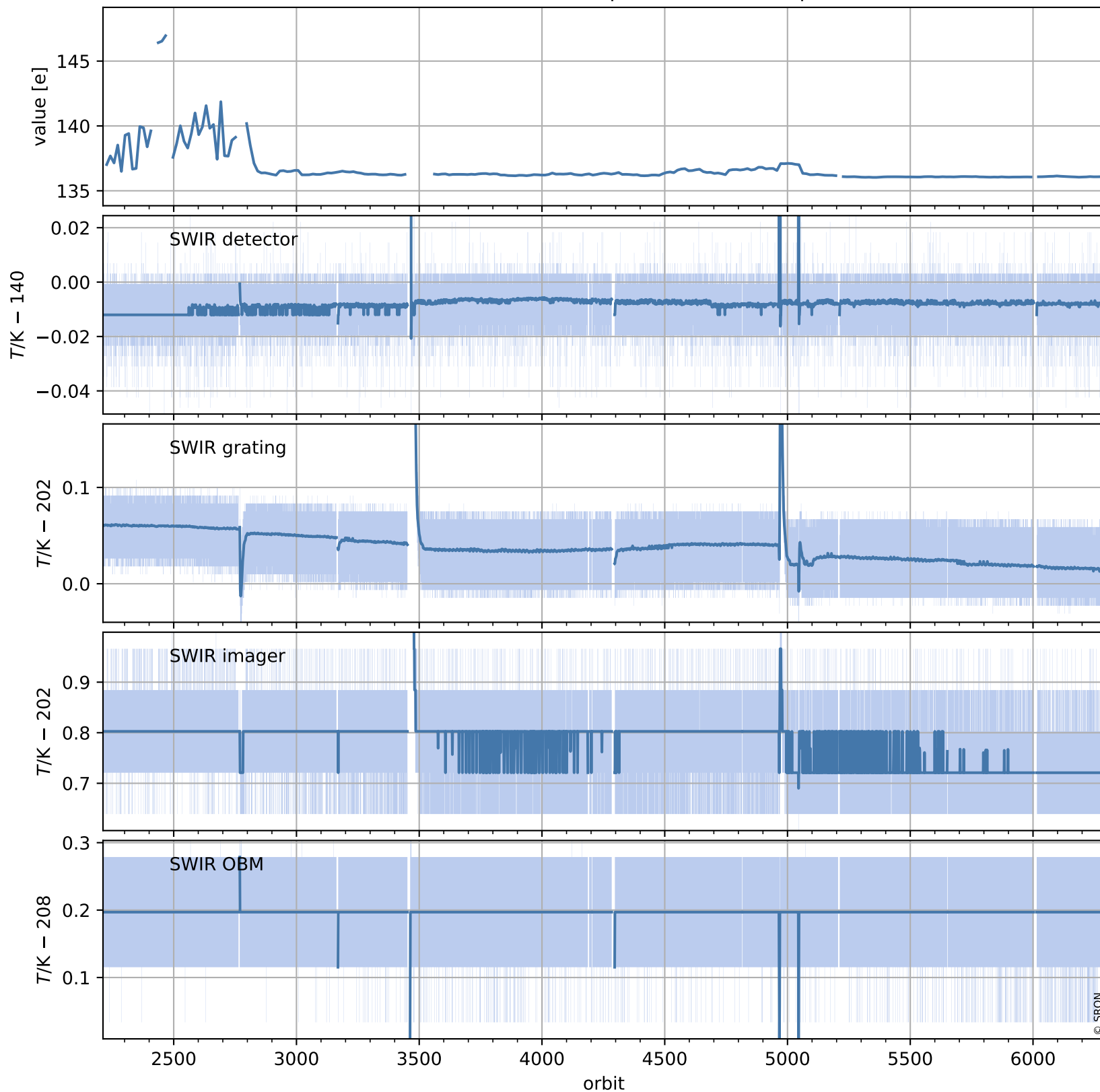
orbits : 12 in [6202, 6292]  
coverage : 2018-12-24 / 2018-12-30  
created : 2023-08-21T14:40:56



# Tropomi SWIR background noise (swir)

orbits : [2212, 6292]  
coverage : 2018-03-18 / 2018-12-30  
created : 2023-08-21T14:40:56

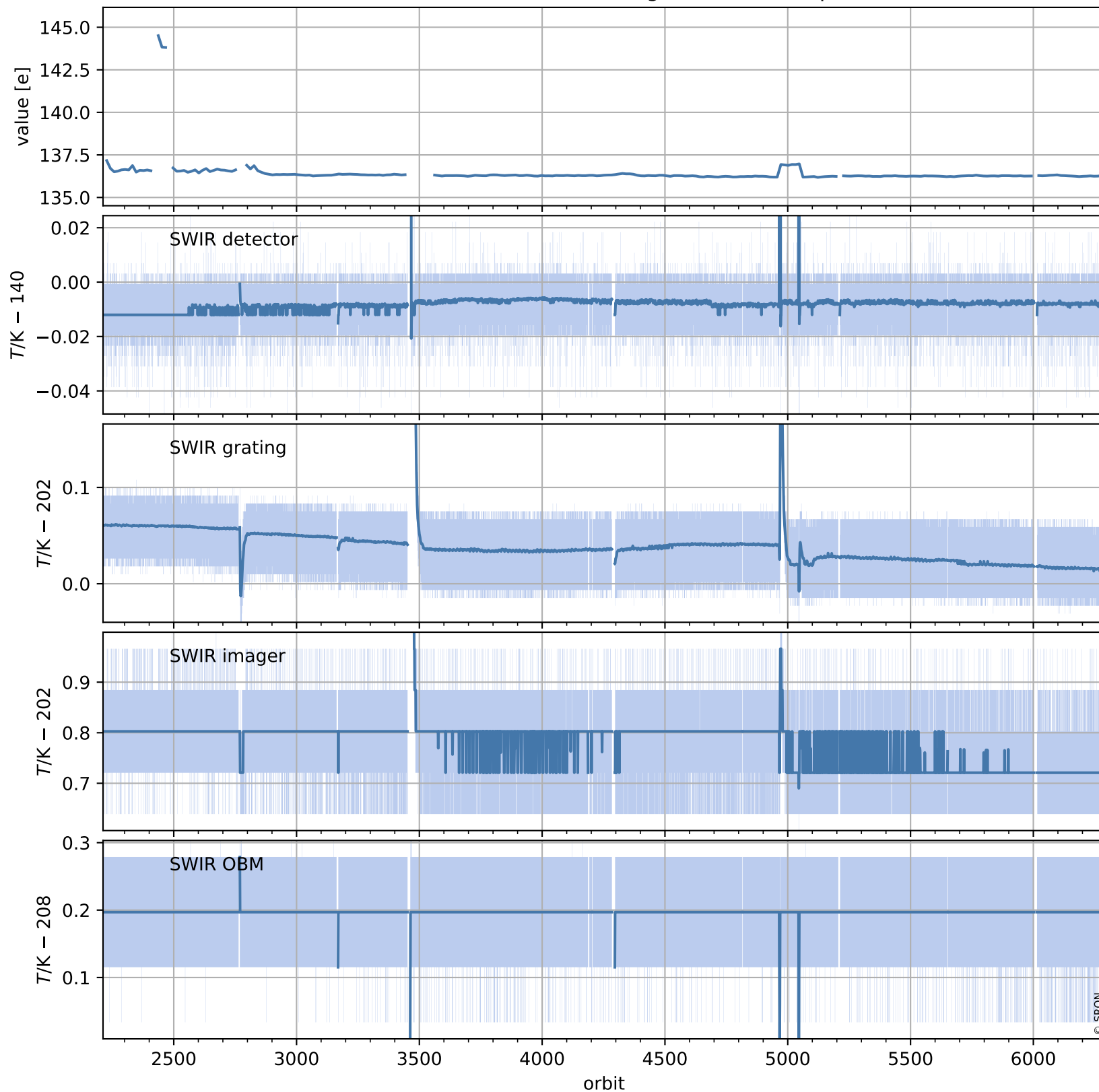
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6292]  
coverage : 2018-03-18 / 2018-12-30  
created : 2023-08-21T14:40:57

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6292]  
coverage : 2018-03-18 / 2018-12-30  
created : 2023-08-21T14:40:58

## trend of normalized read-noise & temperatures

