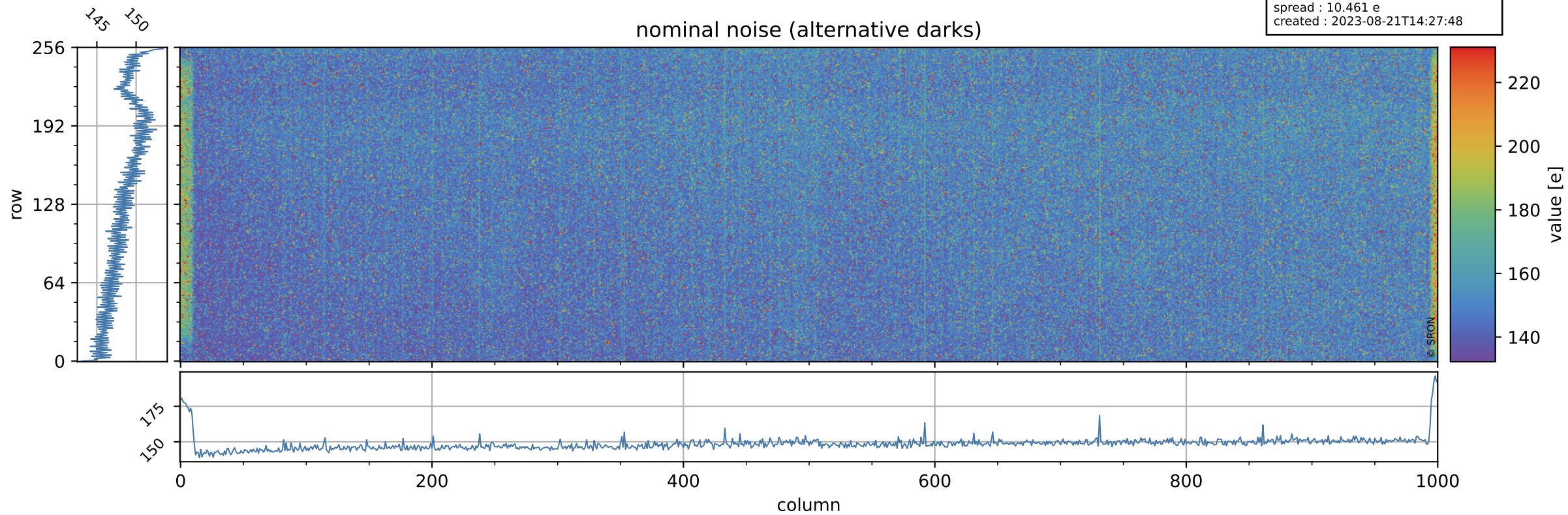


# Tropomi SWIR background noise (swir)

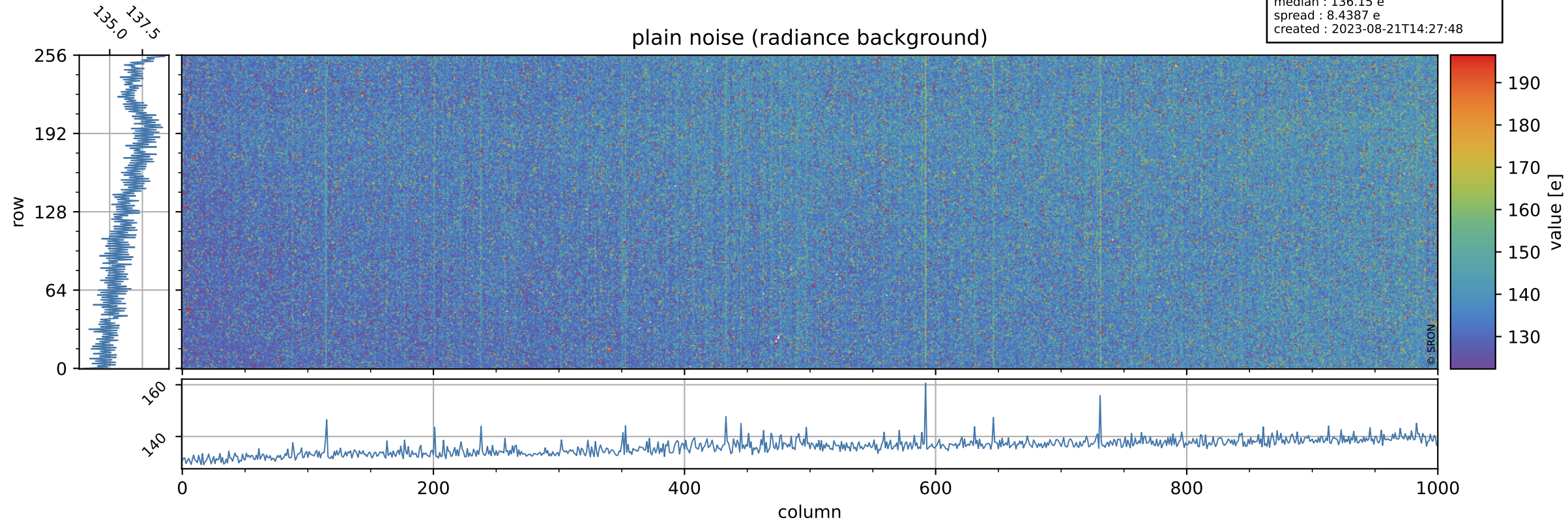
orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.36 e  
spread : 10.461 e  
created : 2023-08-21T14:27:48



# Tropomi SWIR background noise (swir)

orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
n\_coad, t\_exp : 2, 0.5383  
median : 136.15 e  
spread : 8.4387 e  
created : 2023-08-21T14:27:48

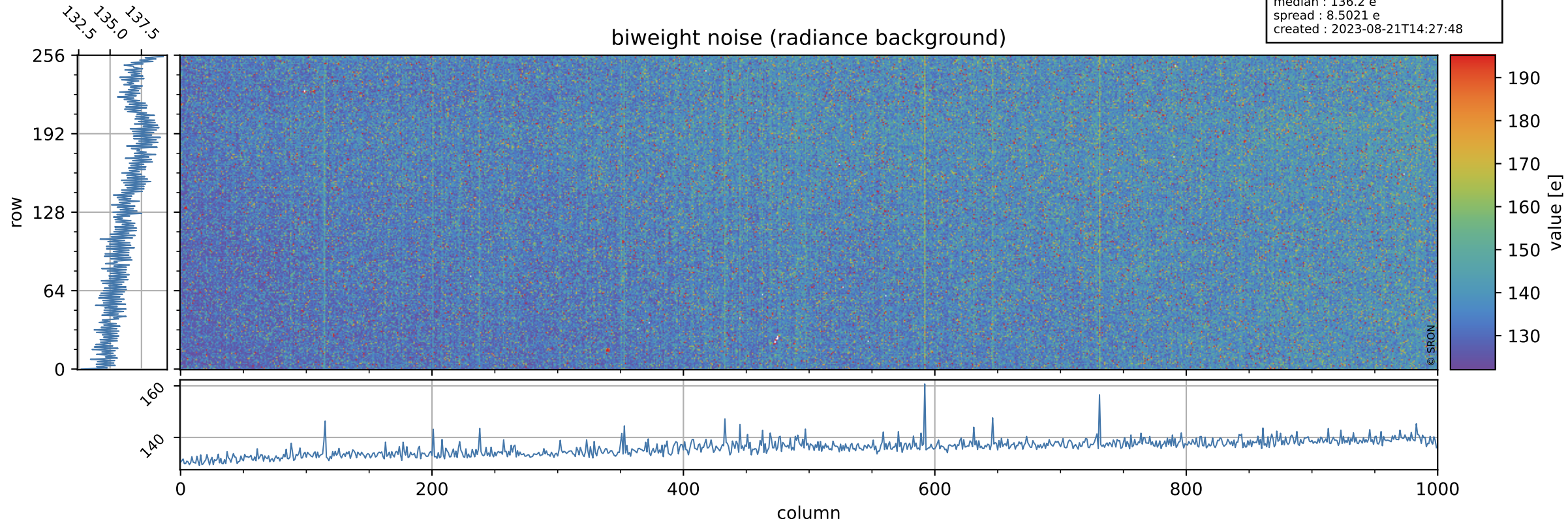
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.5021 e  
created : 2023-08-21T14:27:48

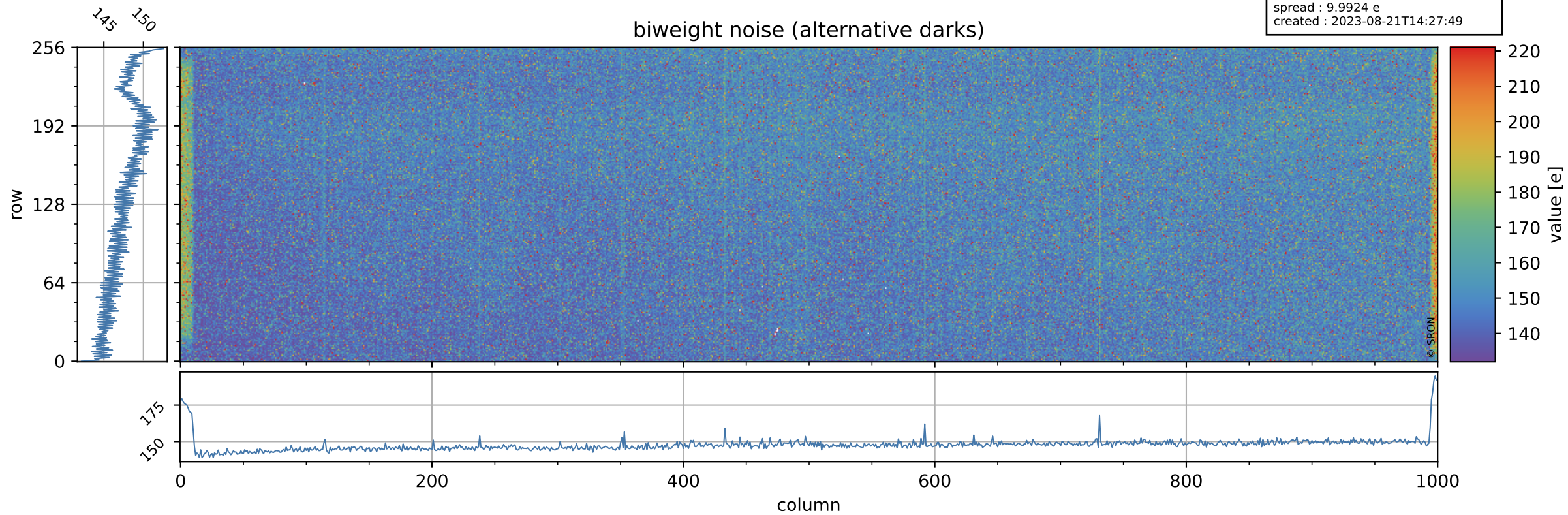
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.48 e  
spread : 9.9924 e  
created : 2023-08-21T14:27:49

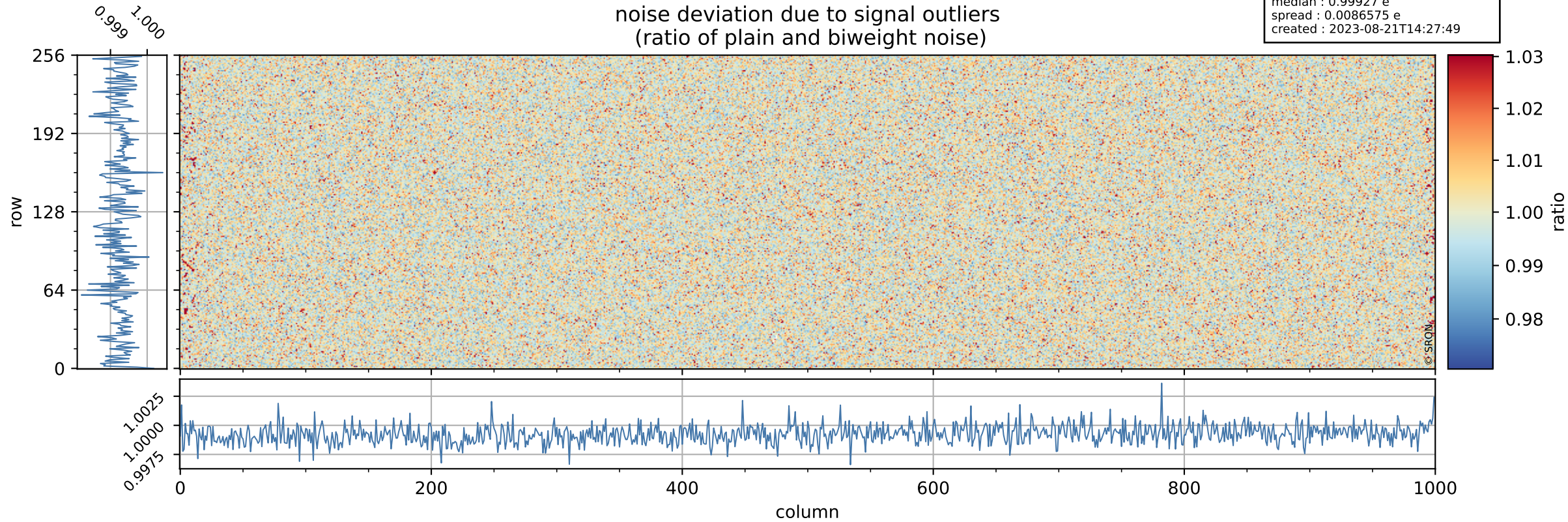
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

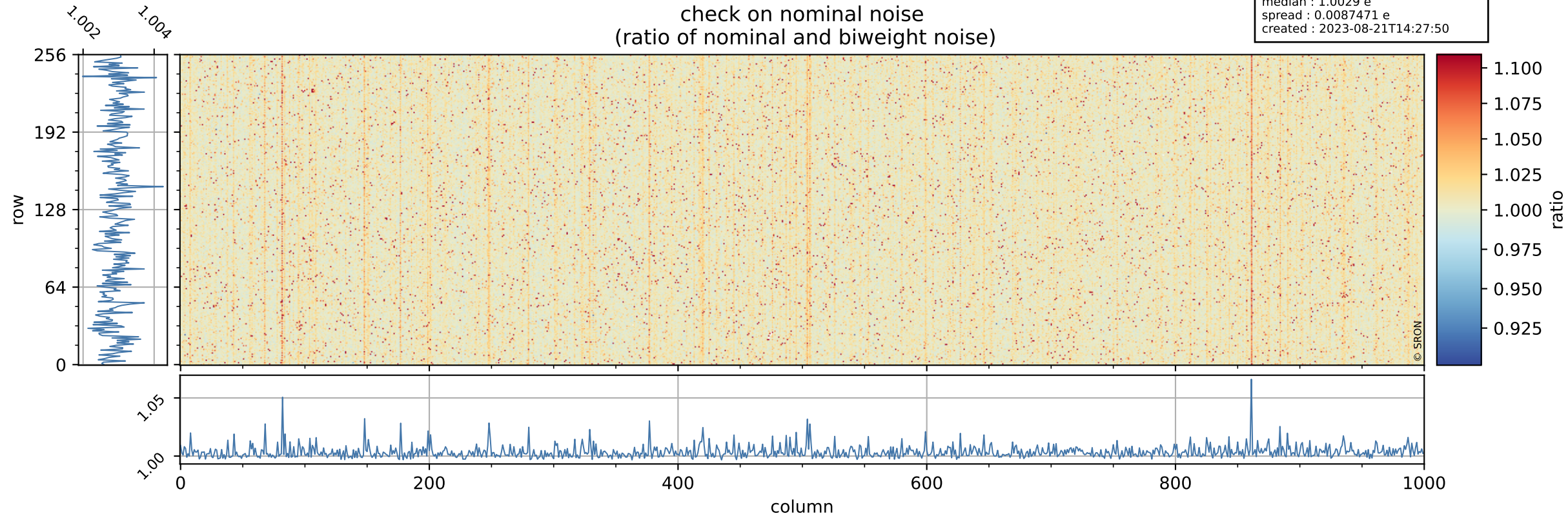
orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
median : 0.99927 e  
spread : 0.0086575 e  
created : 2023-08-21T14:27:49



# Tropomi SWIR background noise (swir)

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

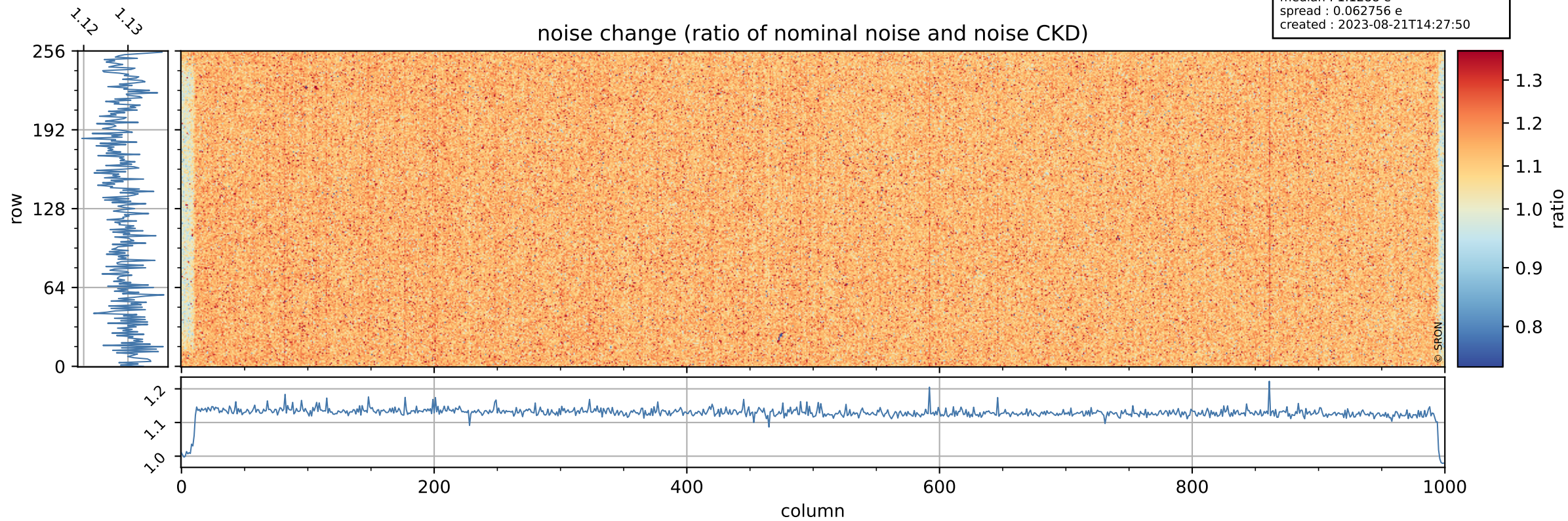
orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
median : 1.0029 e  
spread : 0.0087471 e  
created : 2023-08-21T14:27:50



# Tropomi SWIR background noise (swir)

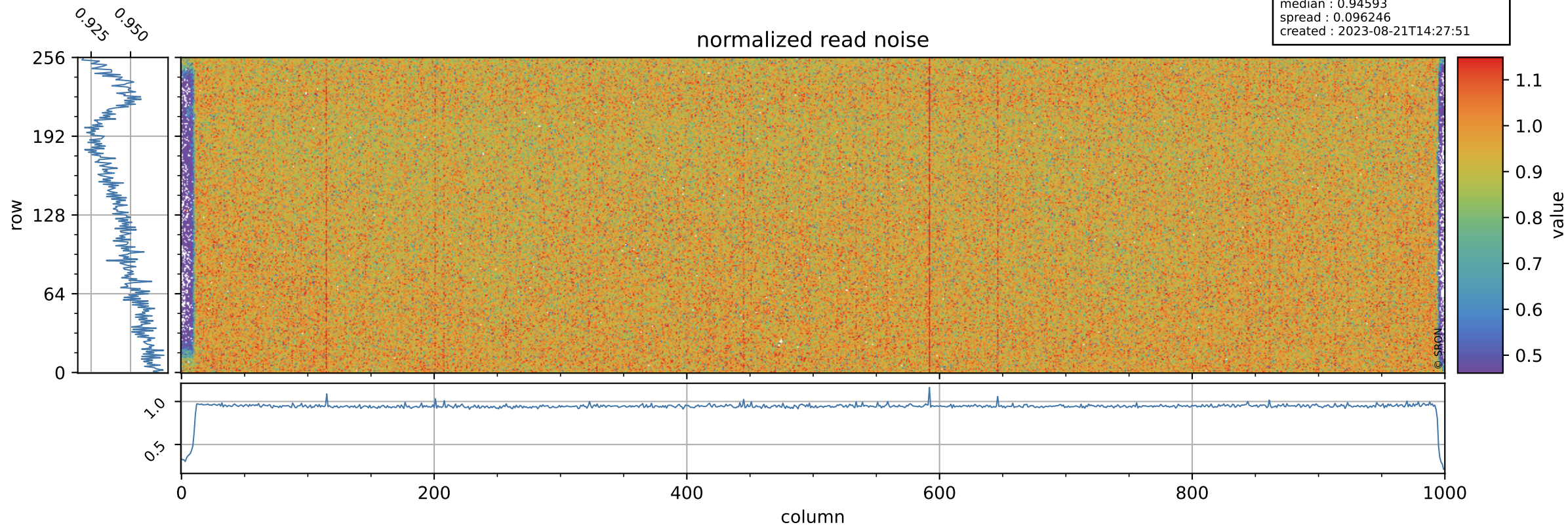
orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
median : 1.1288 e  
spread : 0.062756 e  
created : 2023-08-21T14:27:50

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

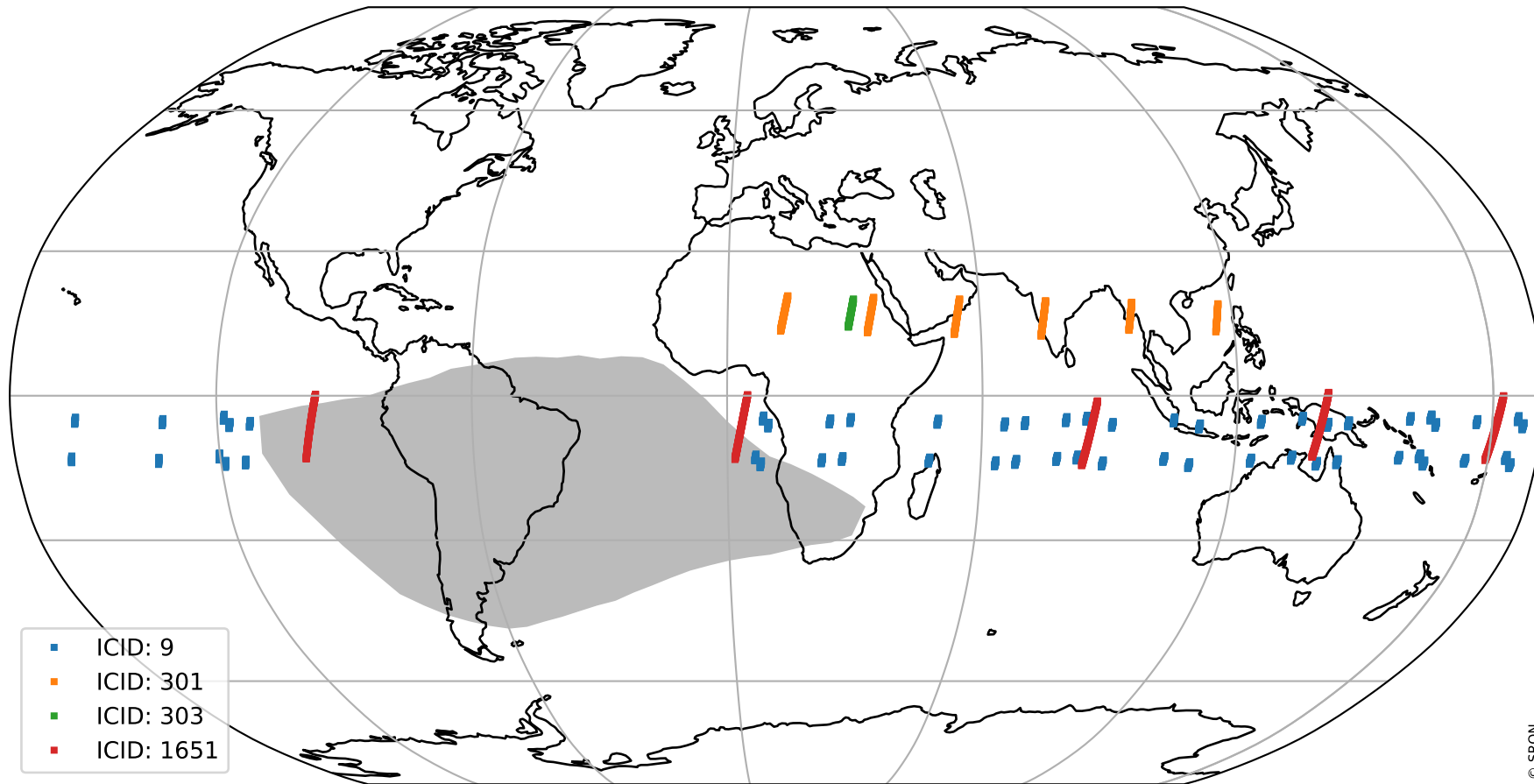
orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
median : 0.94593  
spread : 0.096246  
created : 2023-08-21T14:27:51





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

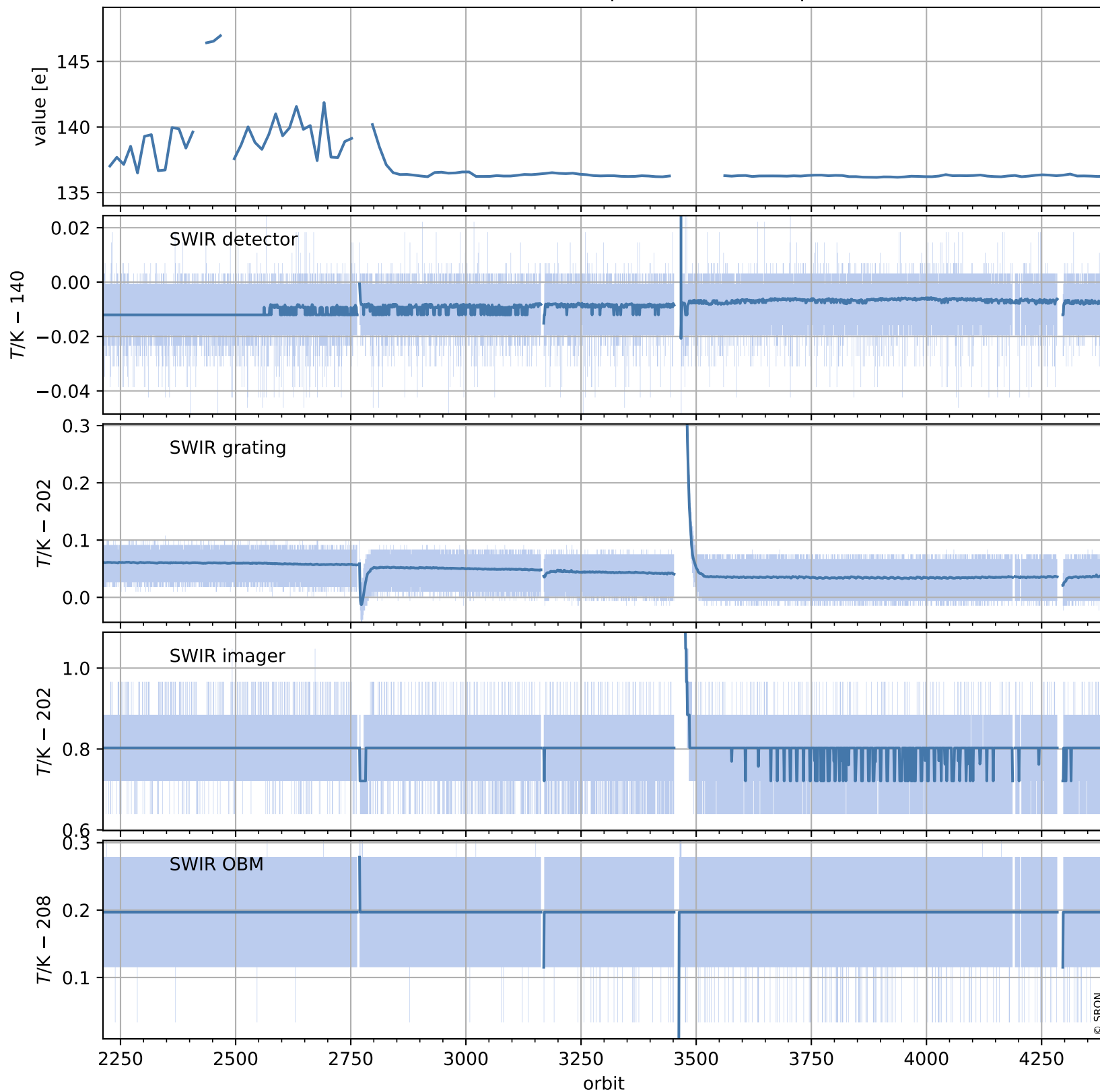
orbits : 12 in [4297, 4387]  
coverage : 2018-08-12 / 2018-08-18  
created : 2023-08-21T14:27:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 4387]  
coverage : 2018-03-18 / 2018-08-18  
created : 2023-08-21T14:27:52

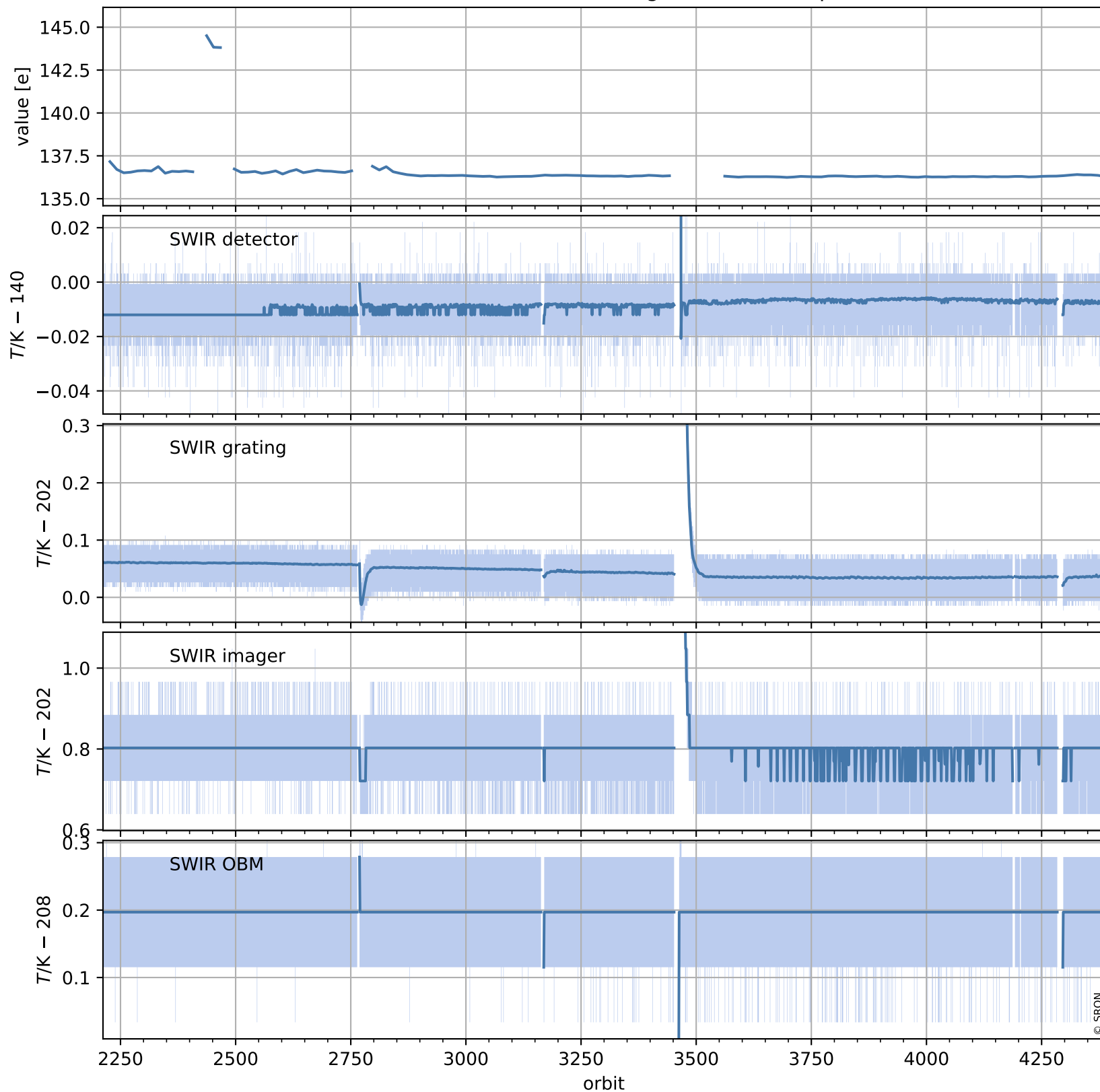
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4387]  
coverage : 2018-03-18 / 2018-08-18  
created : 2023-08-21T14:27:52

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4387]  
coverage : 2018-03-18 / 2018-08-18  
created : 2023-08-21T14:27:53

## trend of normalized read-noise & temperatures

