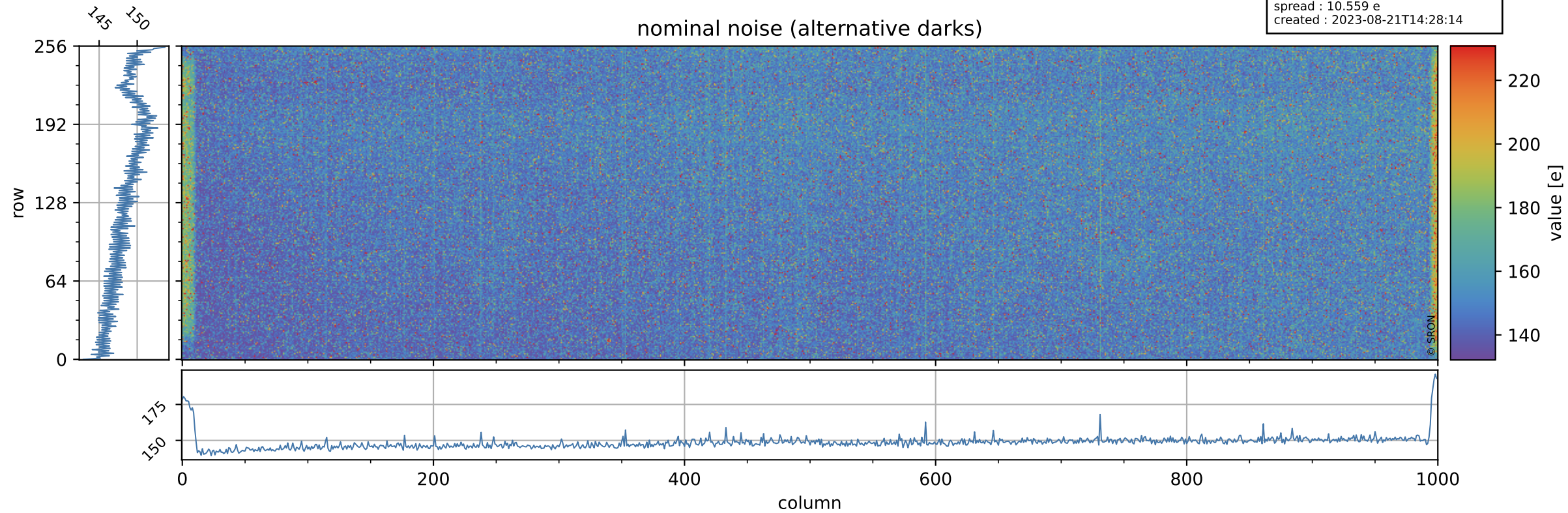


# Tropomi SWIR background noise (swir)

orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.38 e  
spread : 10.559 e  
created : 2023-08-21T14:28:14

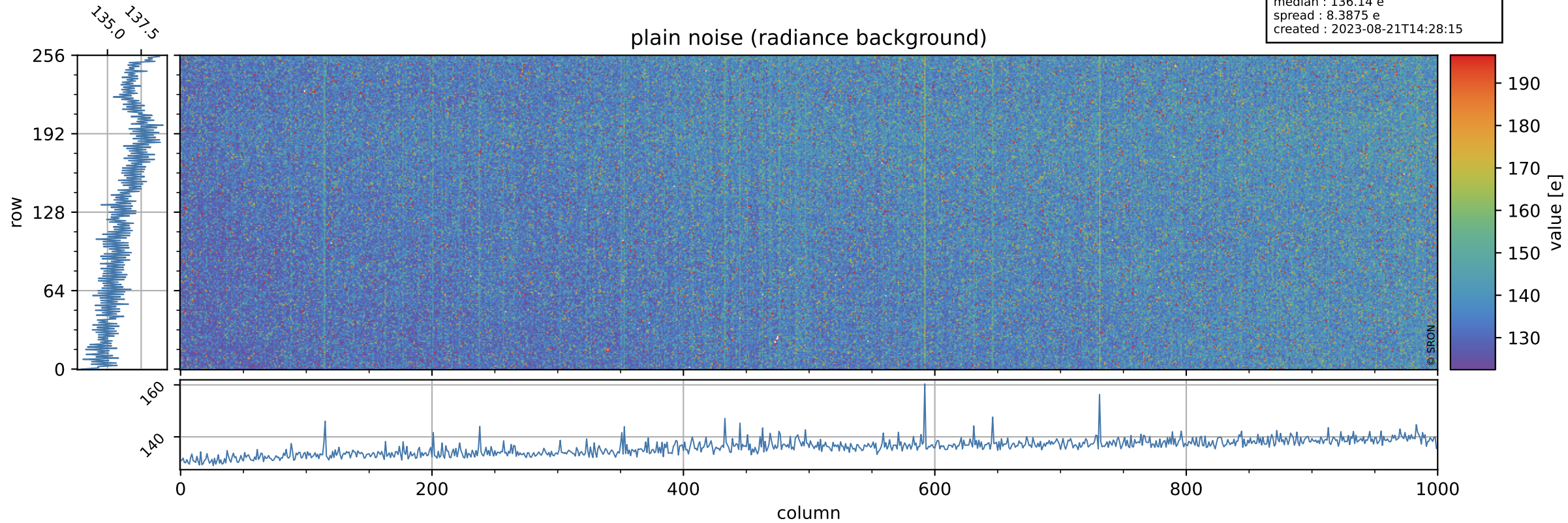
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.14 e  
spread : 8.3875 e  
created : 2023-08-21T14:28:15

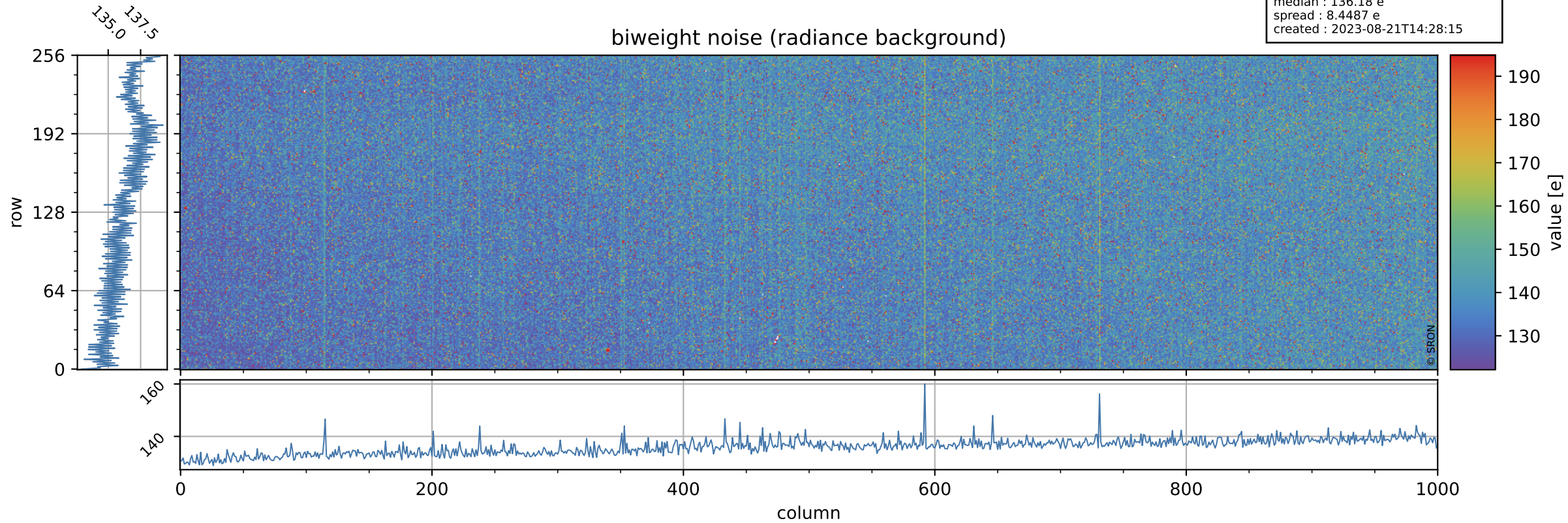
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.4487 e  
created : 2023-08-21T14:28:15

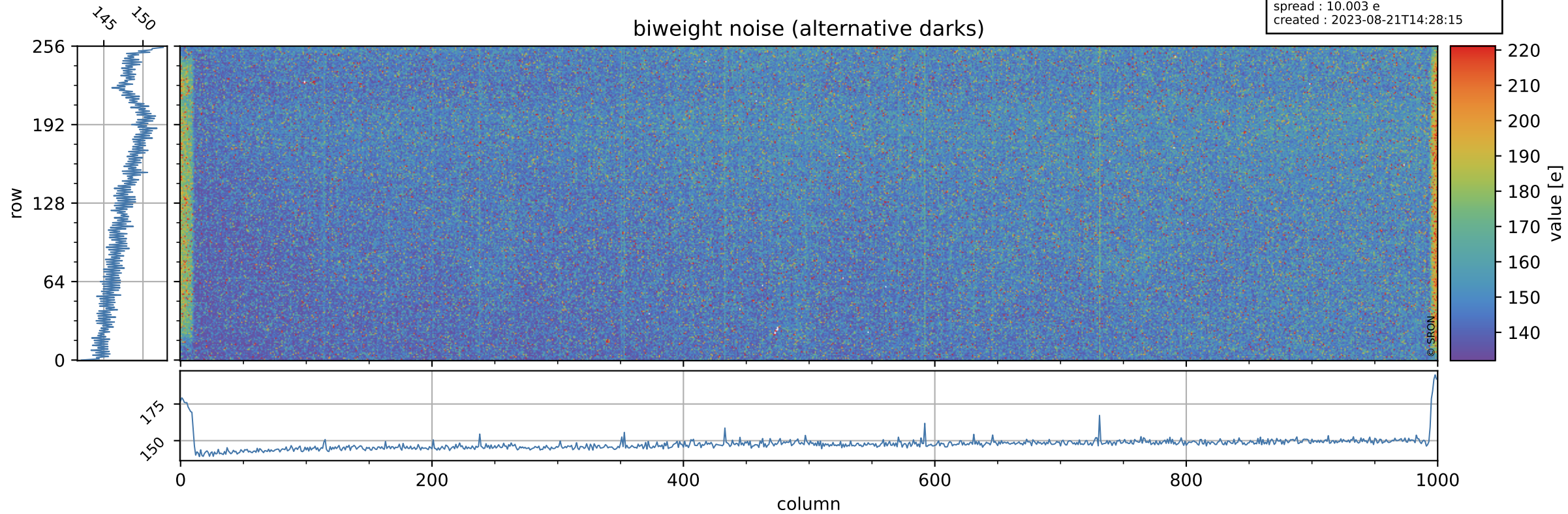
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.48 e  
spread : 10.003 e  
created : 2023-08-21T14:28:15

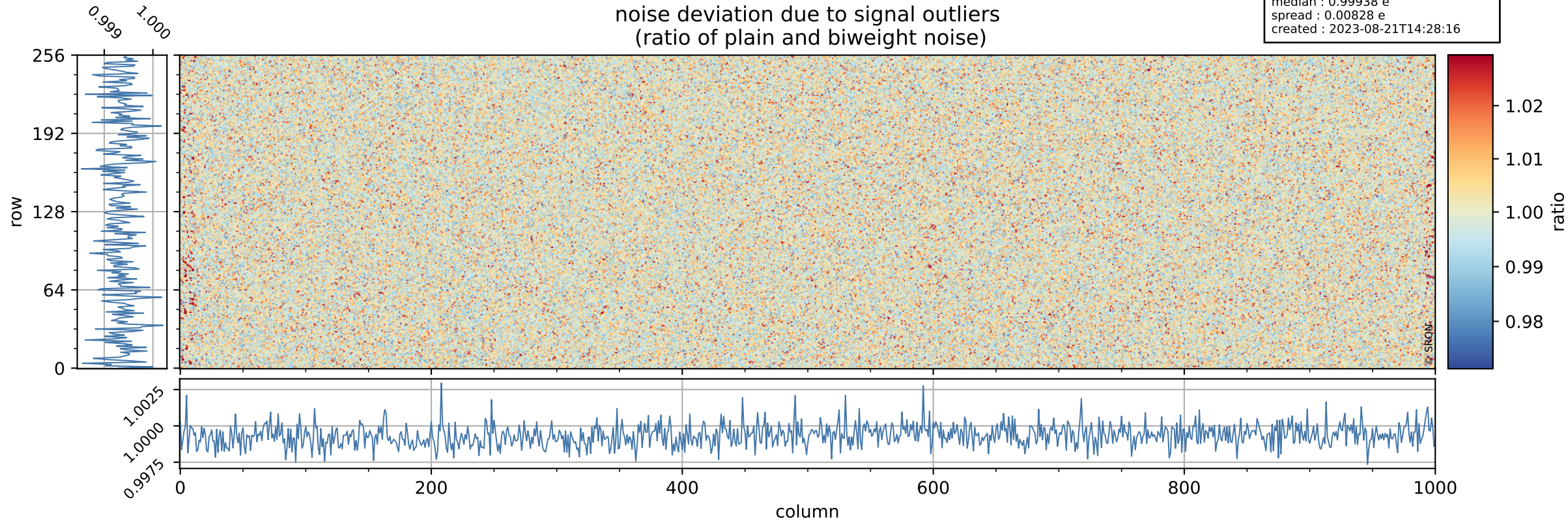
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

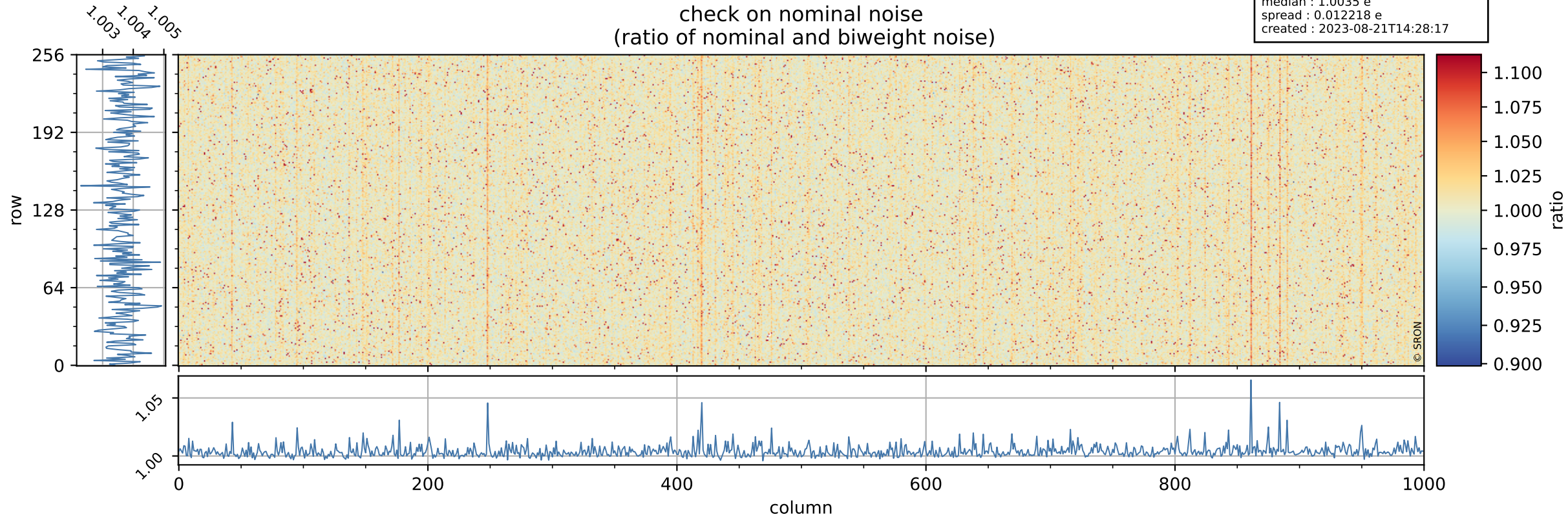
orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
median : 0.99938 e  
spread : 0.00828 e  
created : 2023-08-21T14:28:16



# Tropomi SWIR background noise (swir)

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

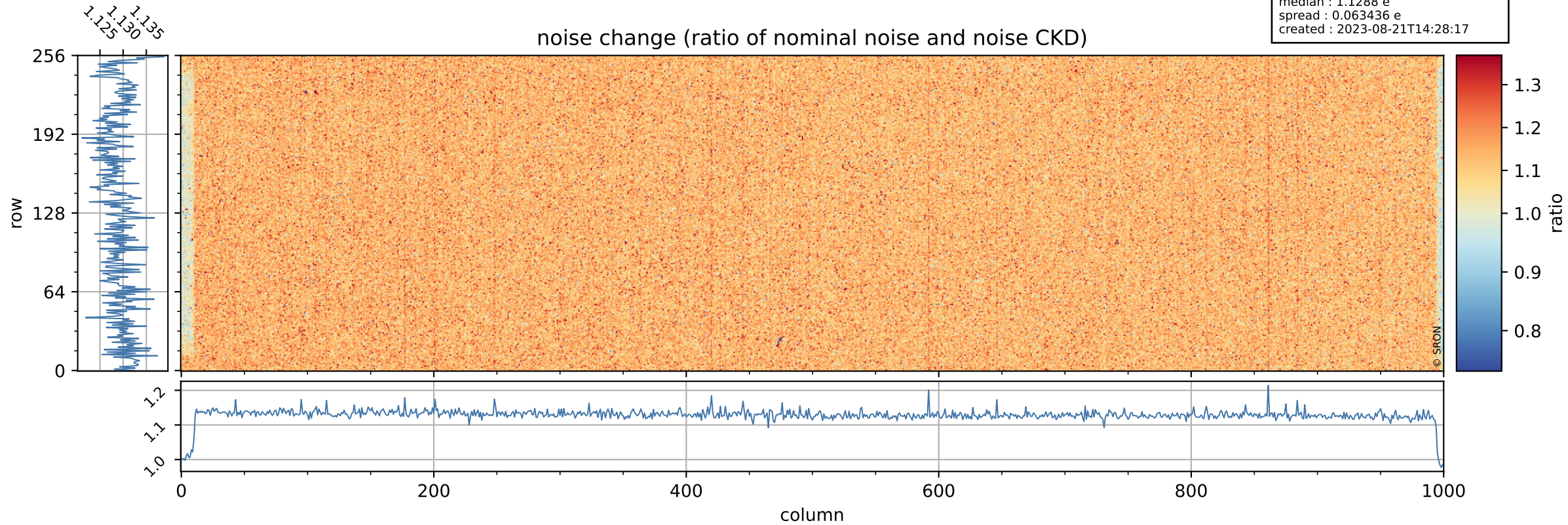
orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
median : 1.0035 e  
spread : 0.012218 e  
created : 2023-08-21T14:28:17



# Tropomi SWIR background noise (swir)

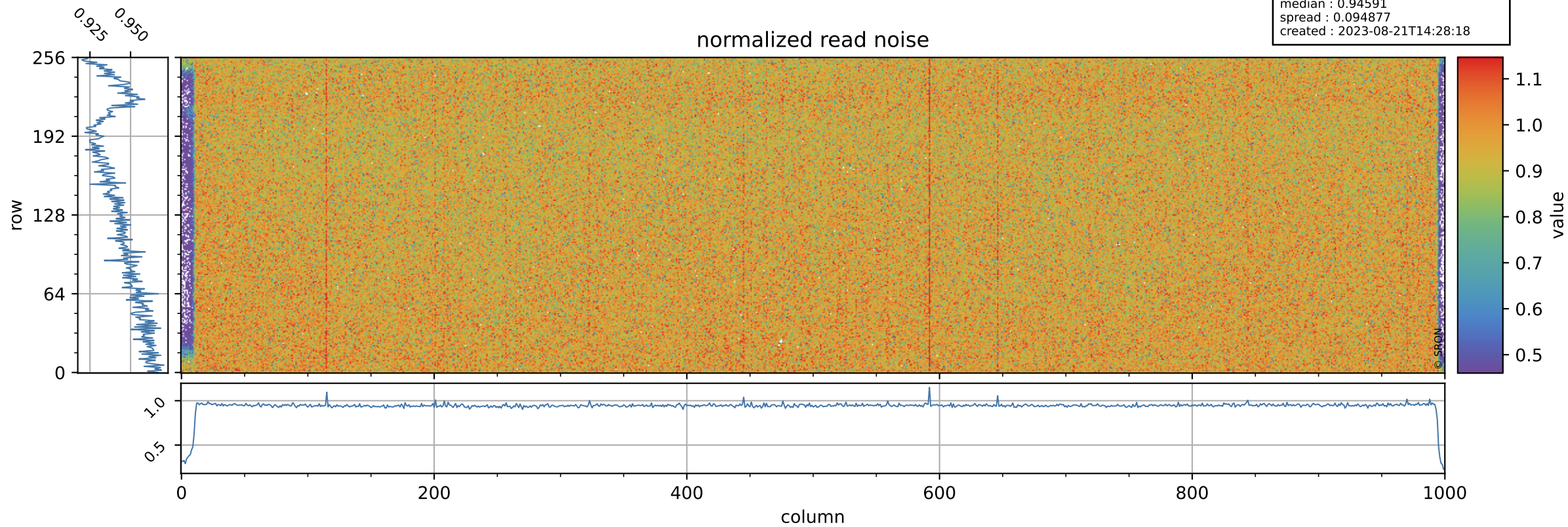
orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
median : 1.1288 e  
spread : 0.063436 e  
created : 2023-08-21T14:28:17

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

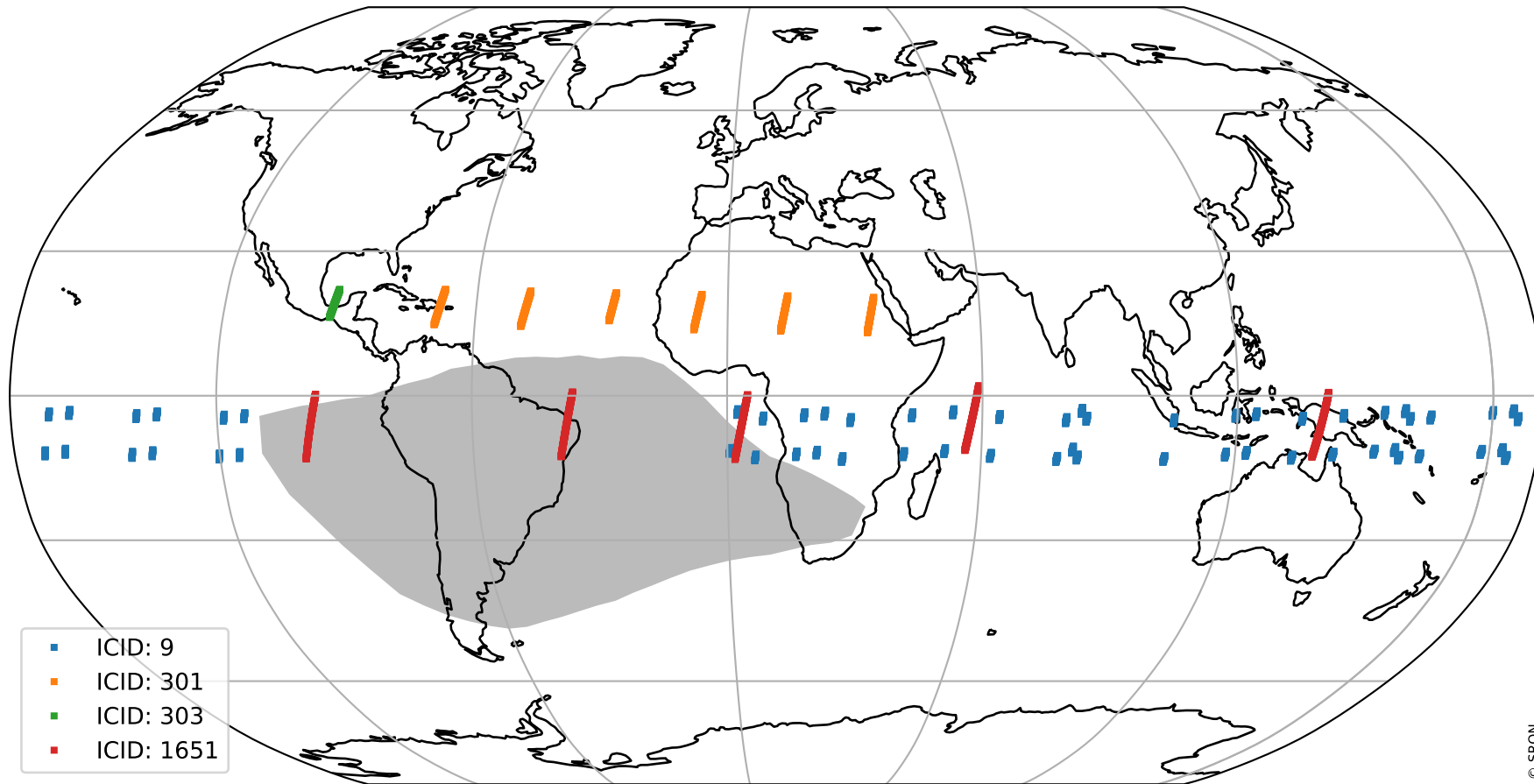
orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
median : 0.94591  
spread : 0.094877  
created : 2023-08-21T14:28:18





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

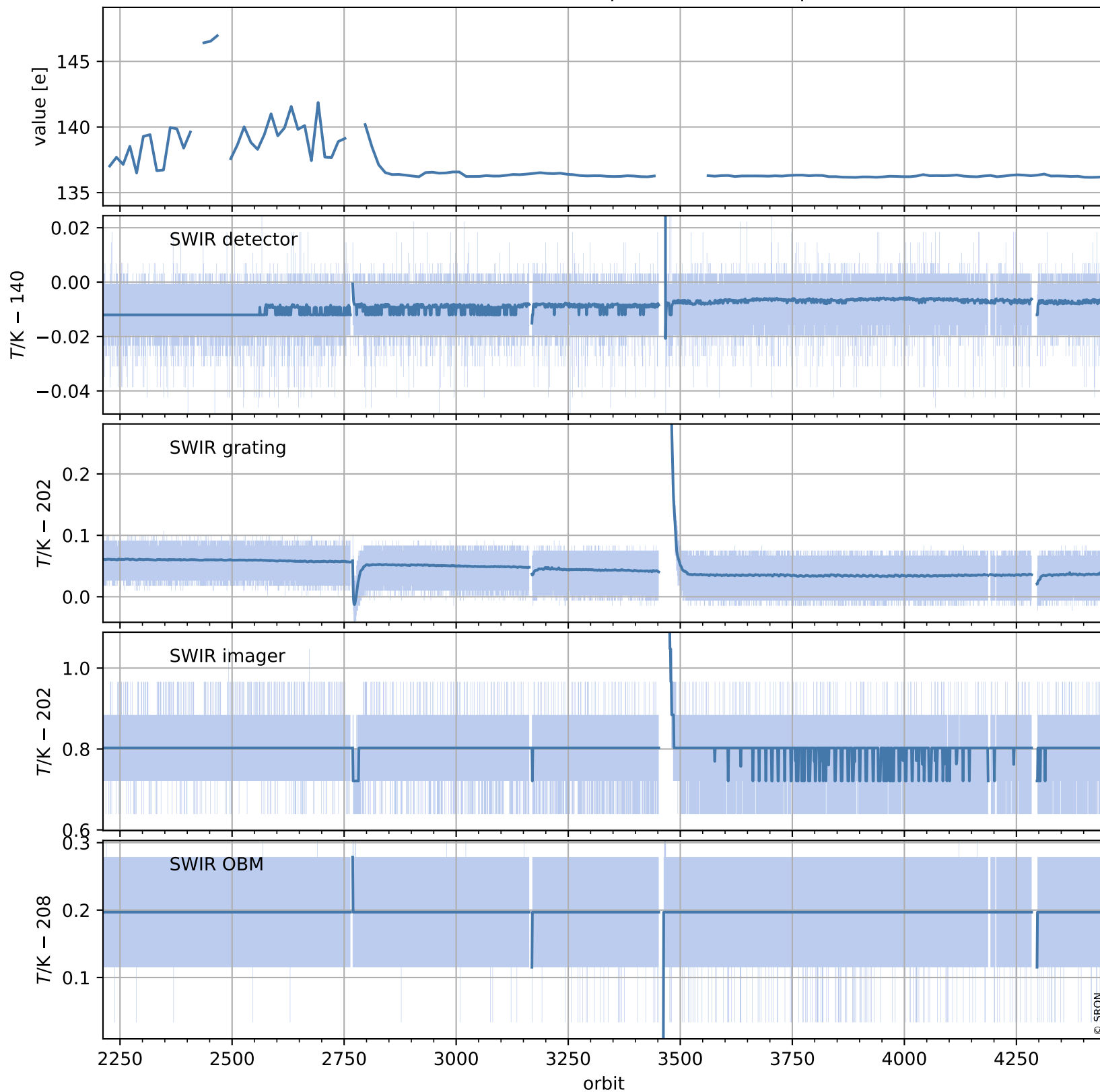
orbits : 12 in [4357, 4447]  
coverage : 2018-08-16 / 2018-08-22  
created : 2023-08-21T14:28:18



# Tropomi SWIR background noise (swir)

orbits : [2212, 4447]  
coverage : 2018-03-18 / 2018-08-22  
created : 2023-08-21T14:28:19

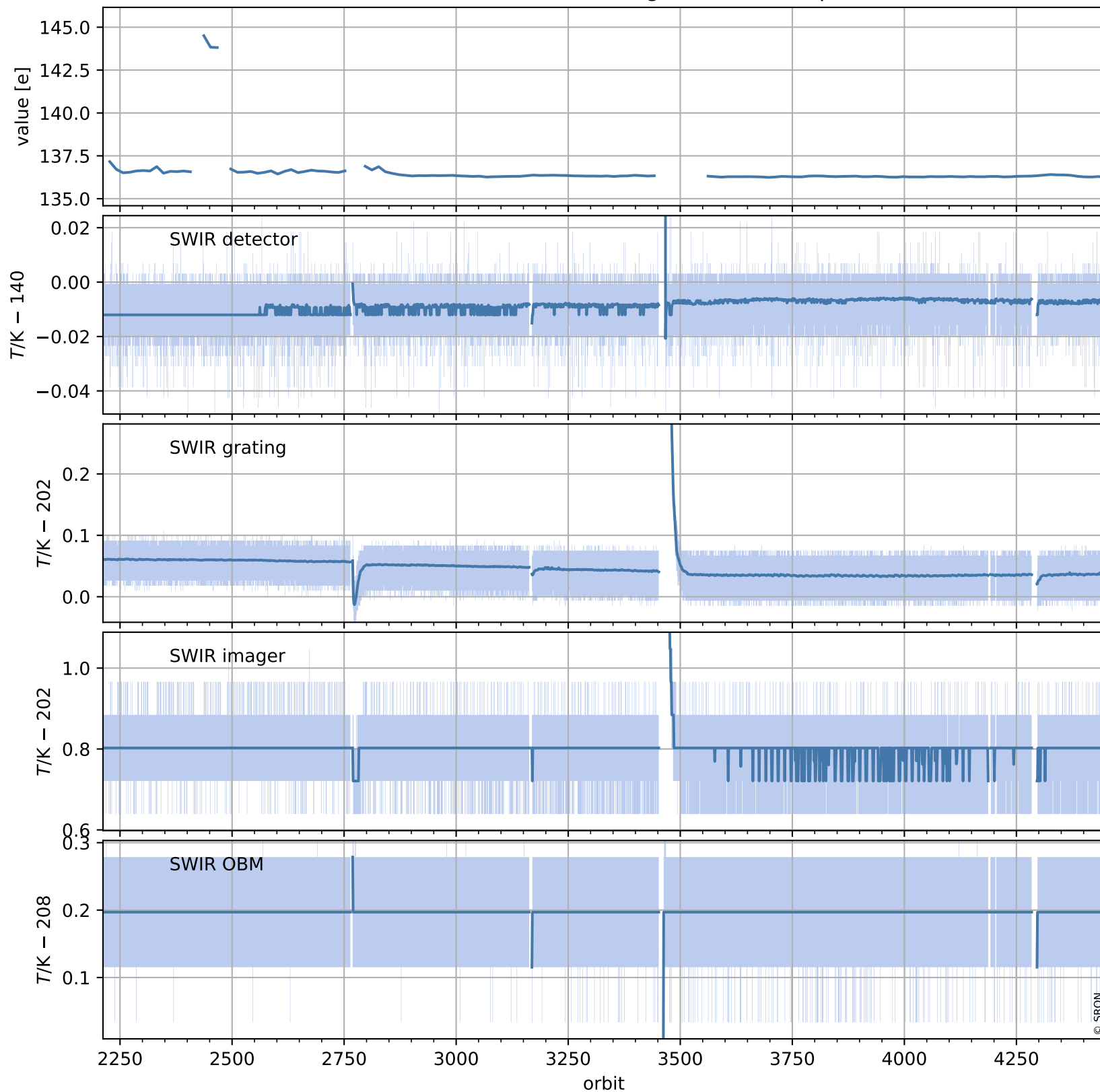
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4447]  
coverage : 2018-03-18 / 2018-08-22  
created : 2023-08-21T14:28:19

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4447]  
coverage : 2018-03-18 / 2018-08-22  
created : 2023-08-21T14:28:20

## trend of normalized read-noise & temperatures

