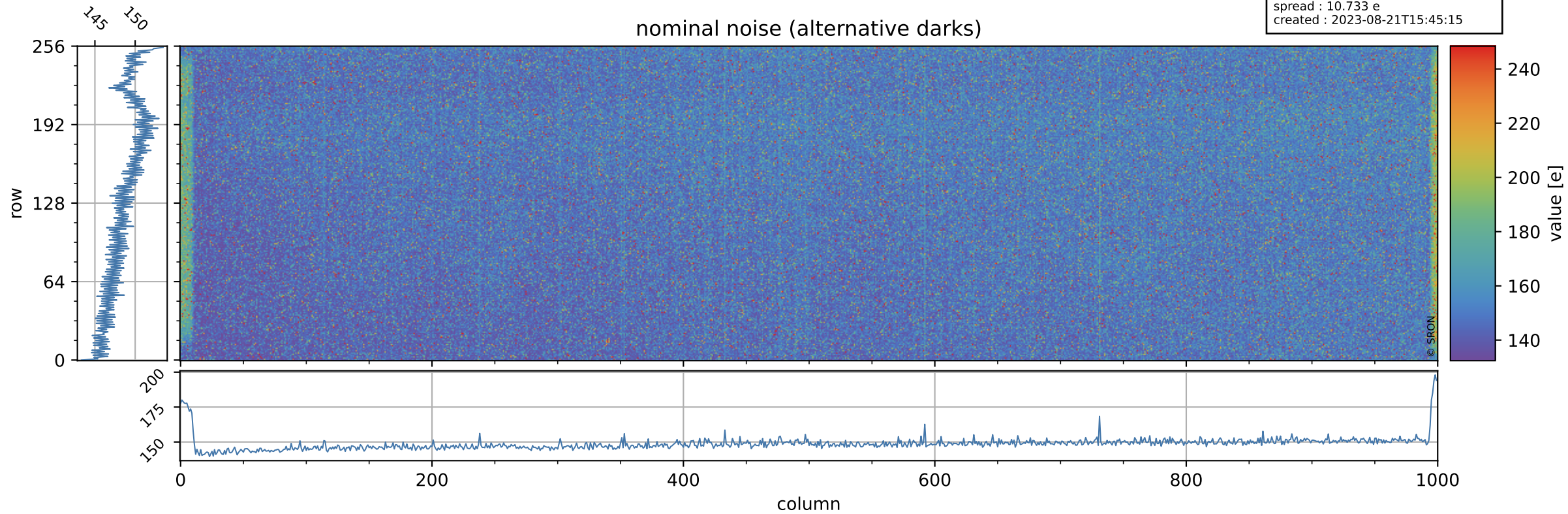


# Tropomi SWIR background noise (swir)

orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.56 e  
spread : 10.733 e  
created : 2023-08-21T15:45:15

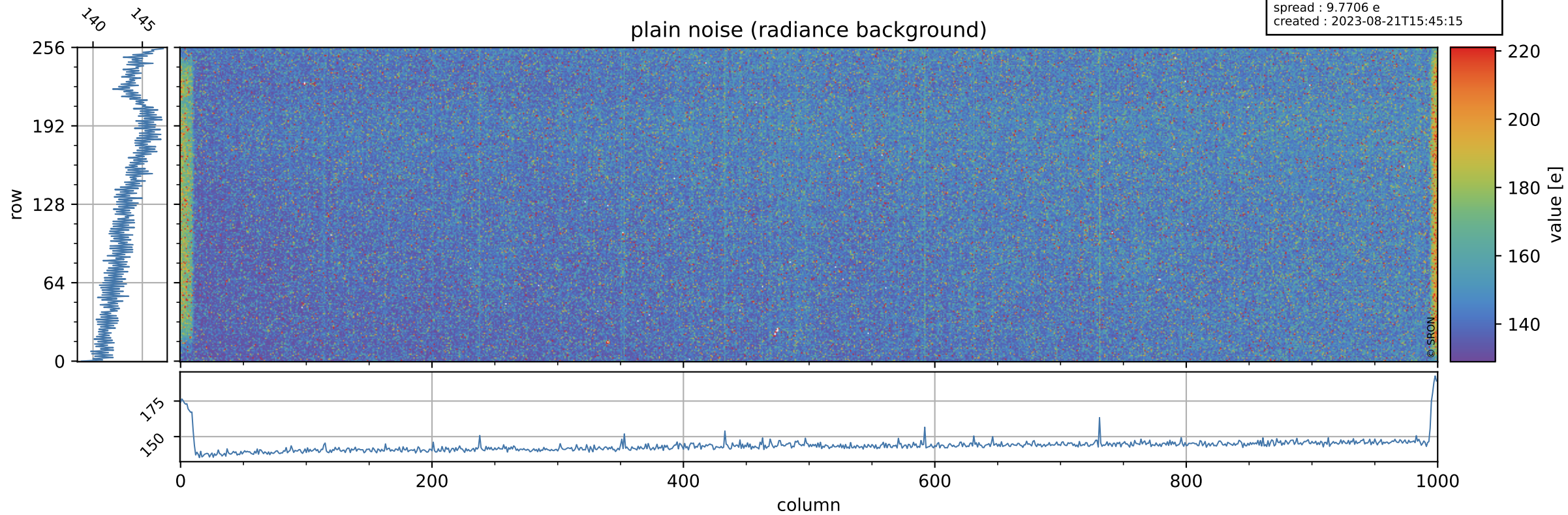
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7706 e  
created : 2023-08-21T15:45:15

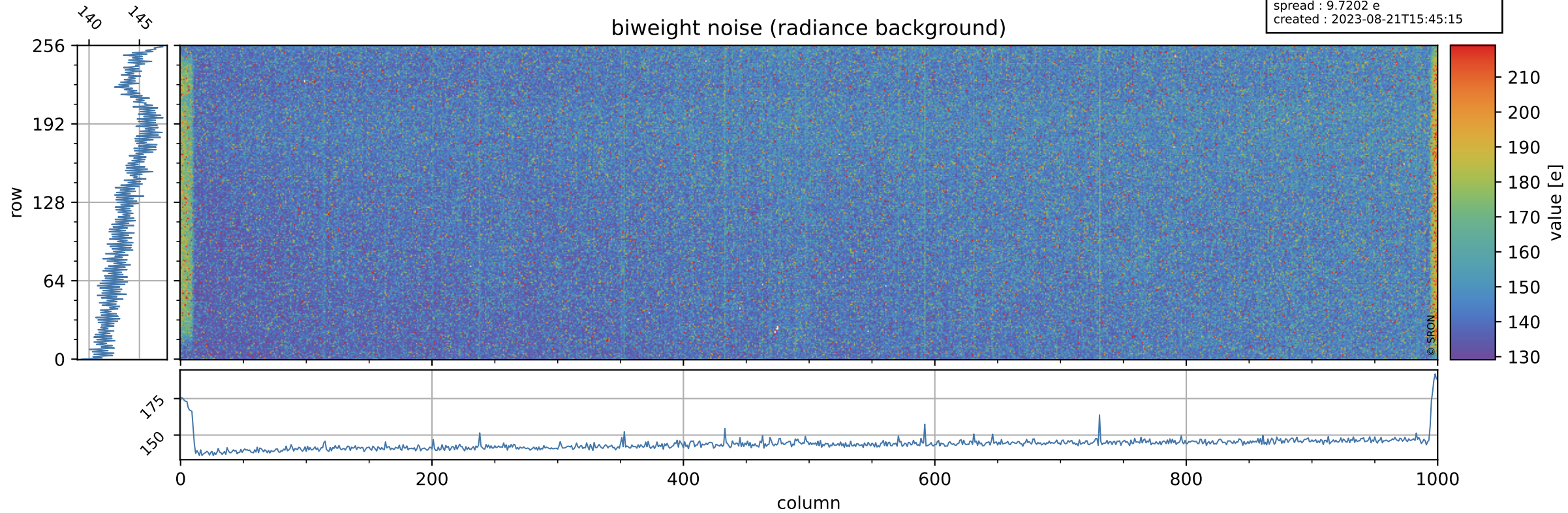
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7202 e  
created : 2023-08-21T15:45:15

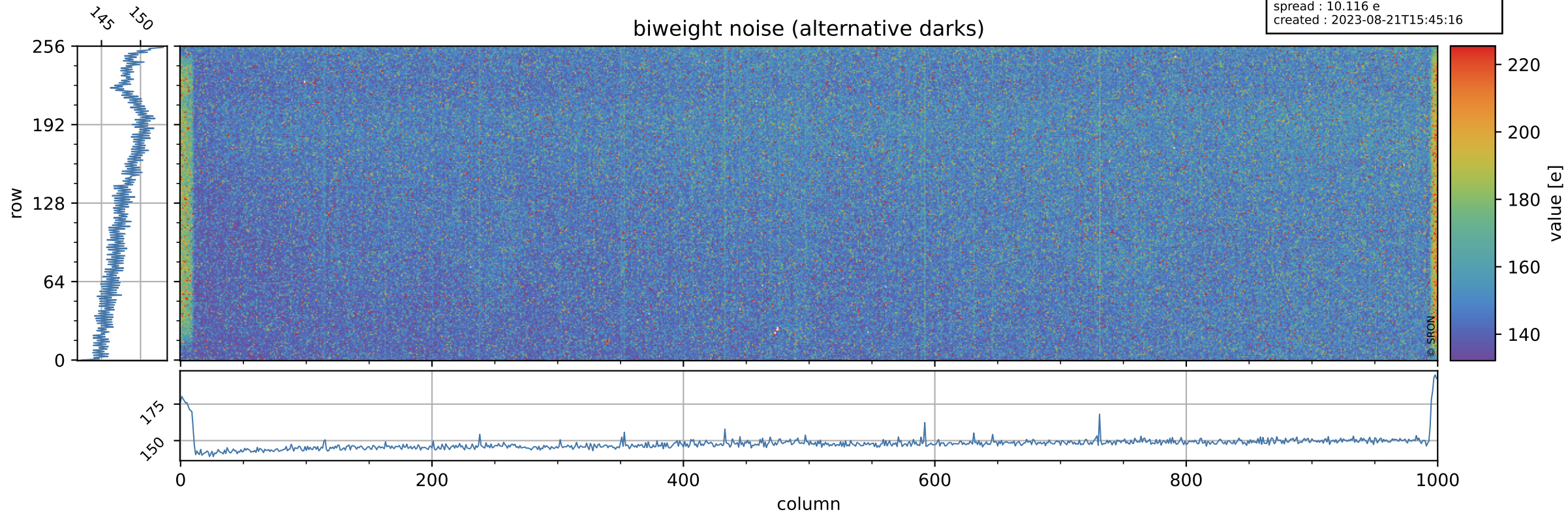
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.116 e  
created : 2023-08-21T15:45:16

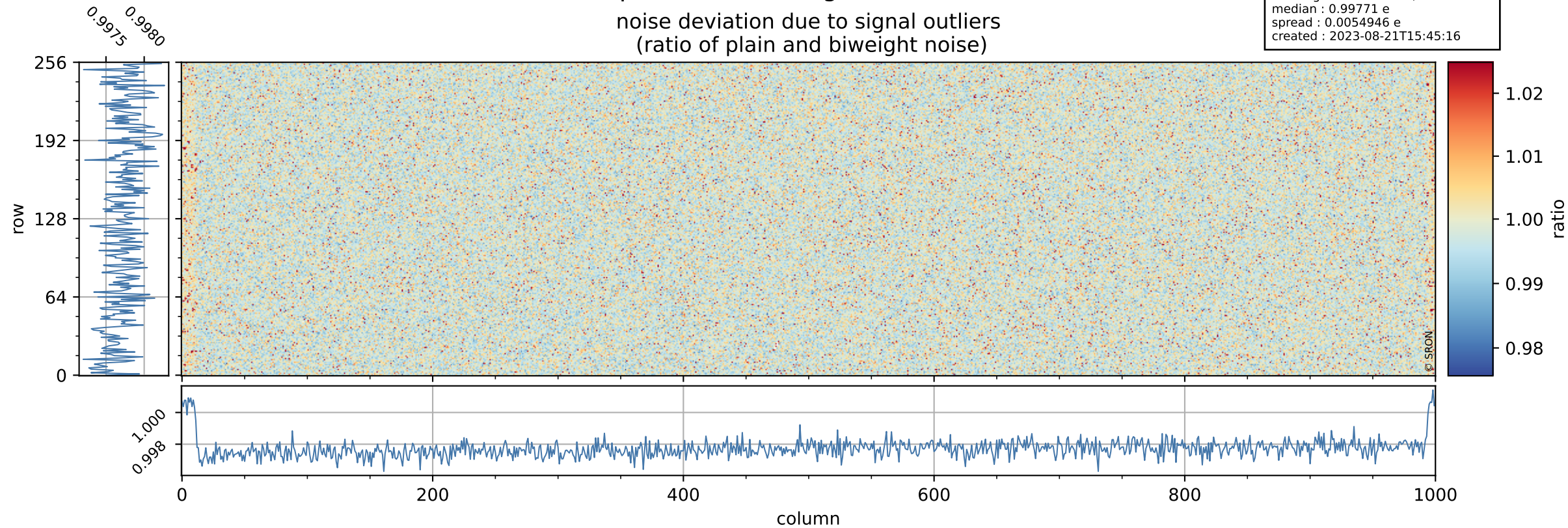
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

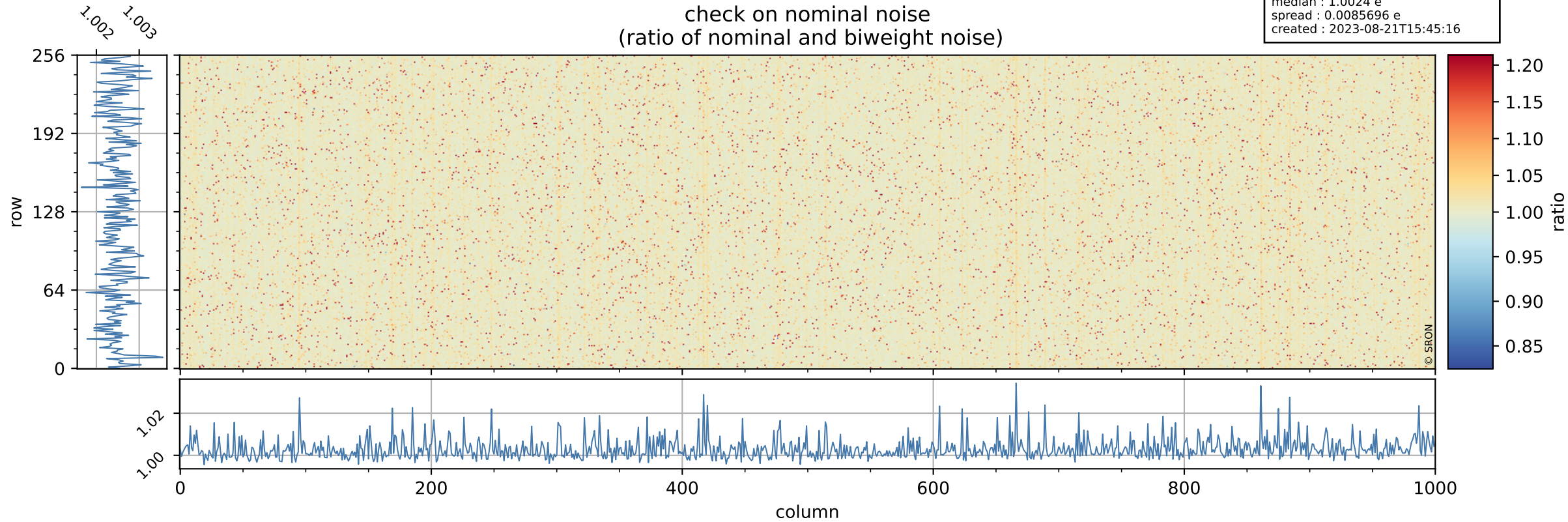
orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
median : 0.99771 e  
spread : 0.0054946 e  
created : 2023-08-21T15:45:16



# Tropomi SWIR background noise (swir)

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

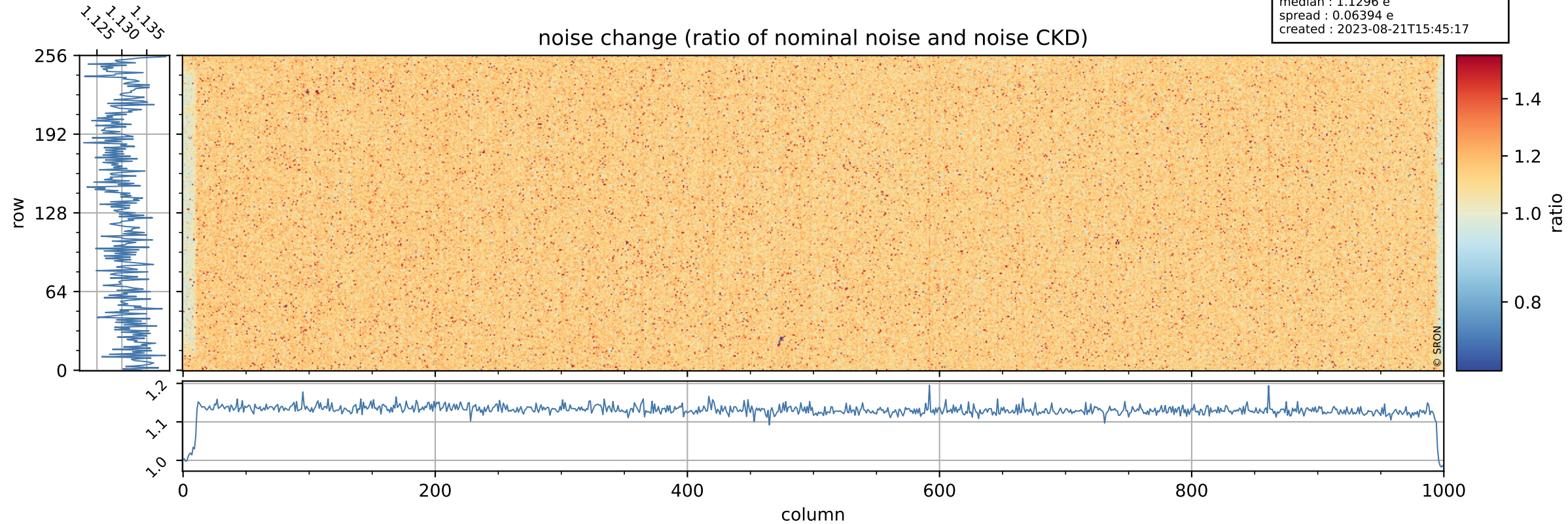
orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
median : 1.0024 e  
spread : 0.0085696 e  
created : 2023-08-21T15:45:16



# Tropomi SWIR background noise (swir)

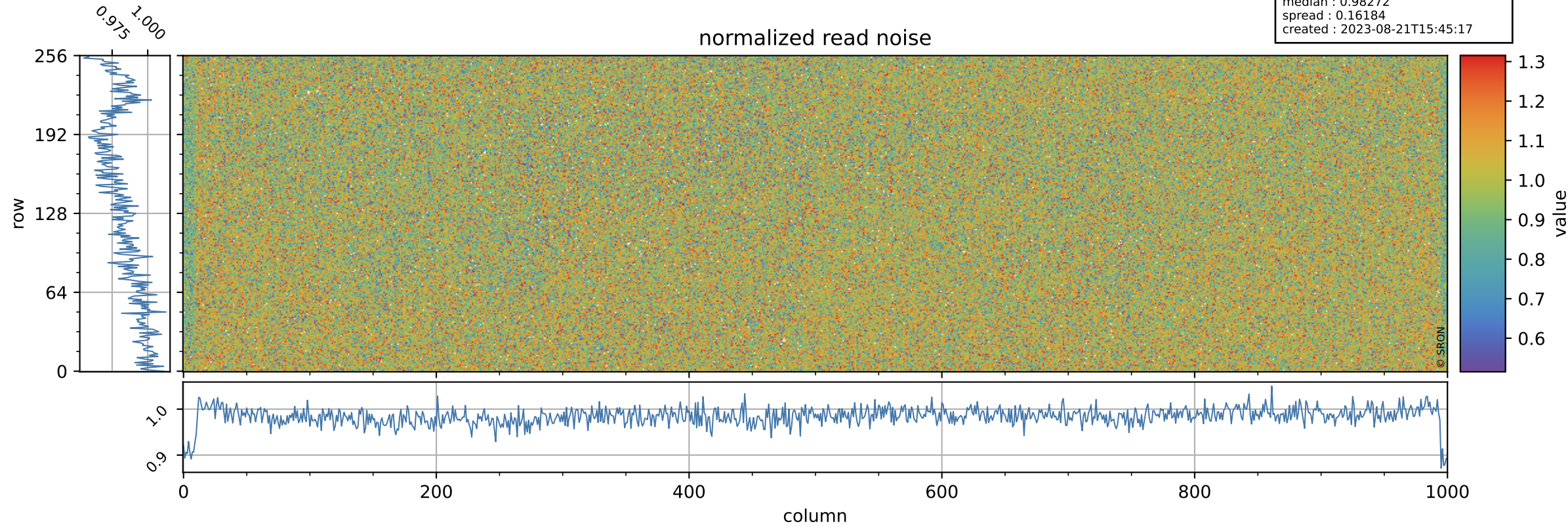
orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
median : 1.1296 e  
spread : 0.06394 e  
created : 2023-08-21T15:45:17

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

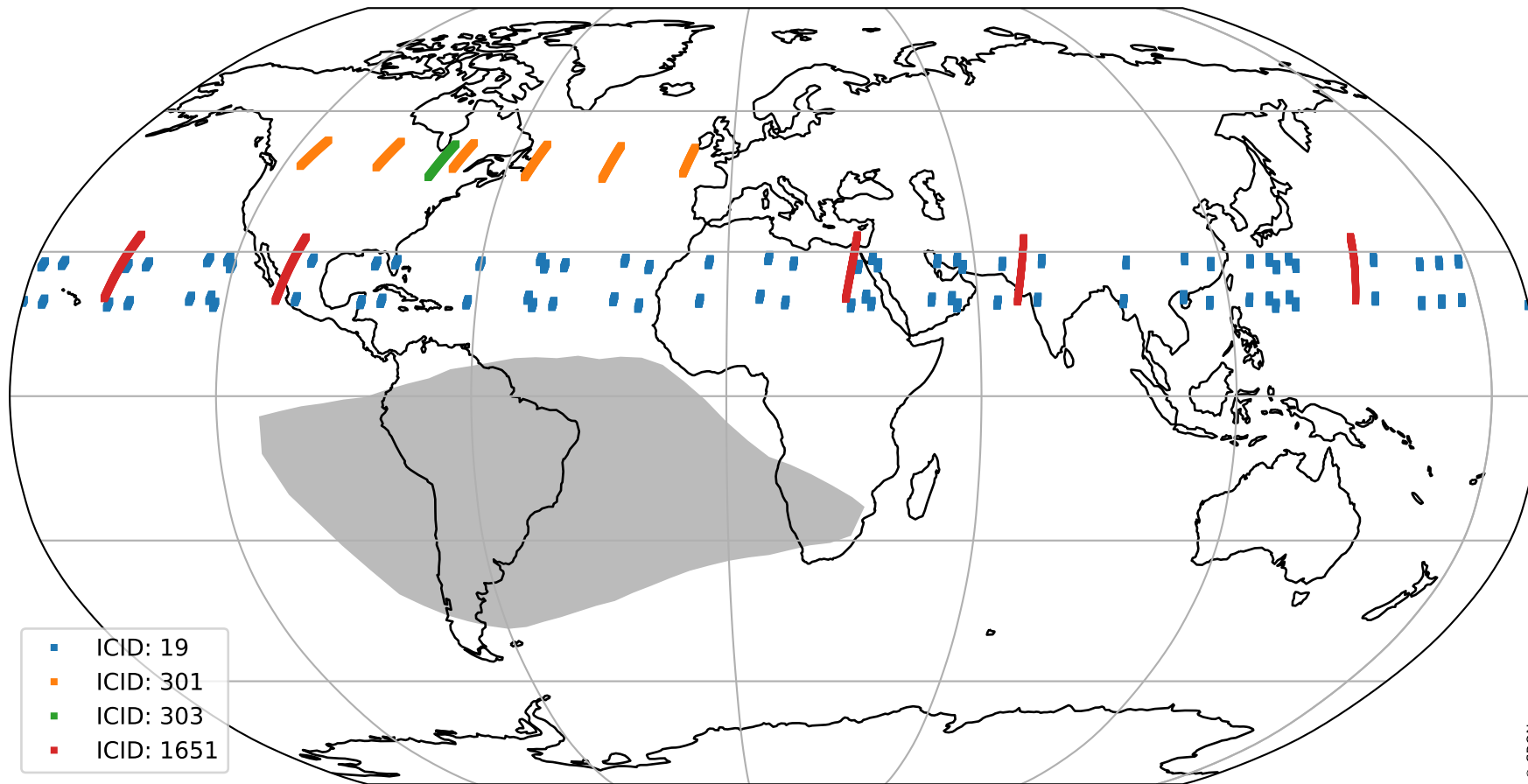
orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
median : 0.98272  
spread : 0.16184  
created : 2023-08-21T15:45:17





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

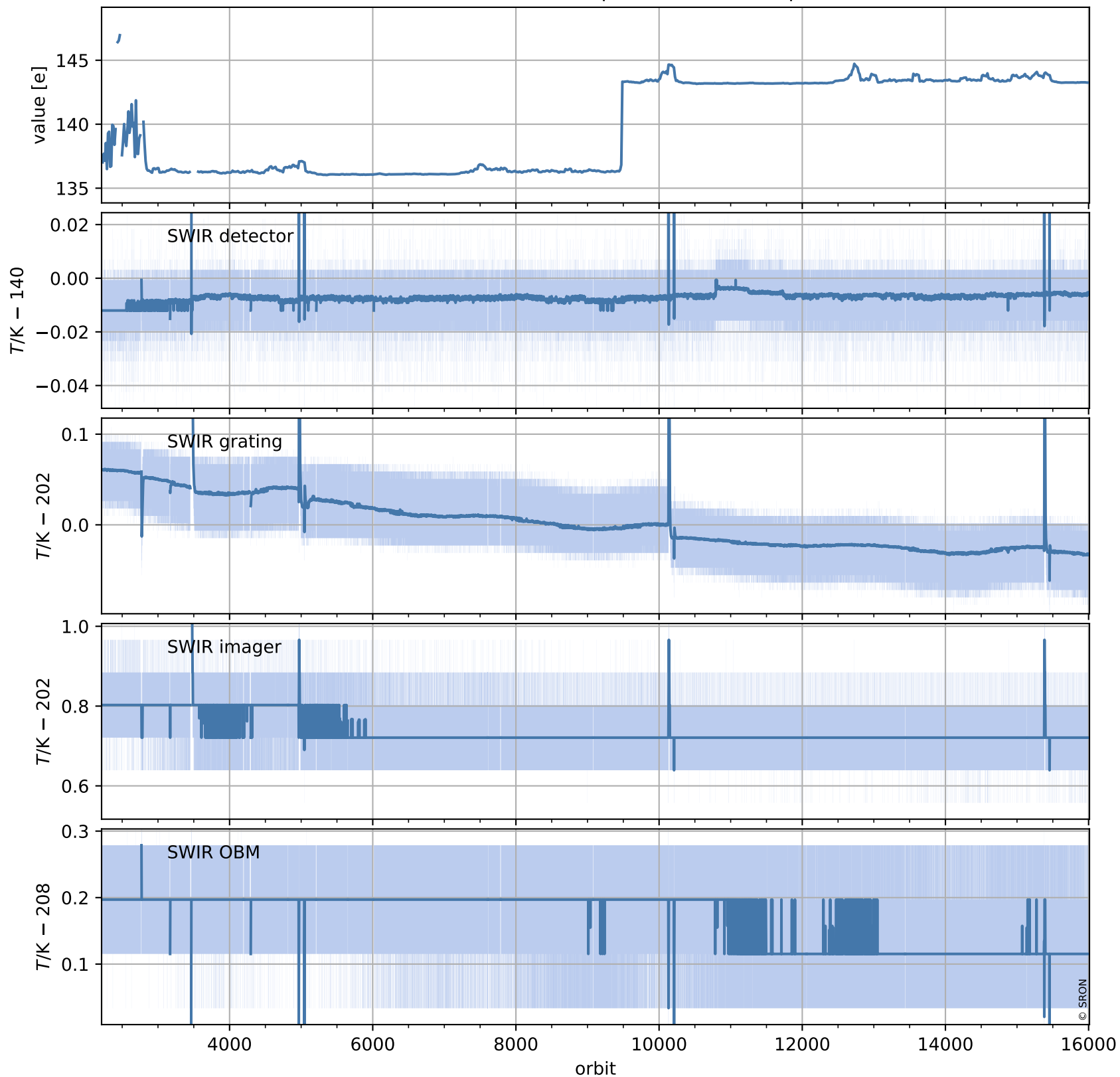
orbits : 12 in [15922, 16012]  
coverage : 2020-11-09 / 2020-11-14  
created : 2023-08-21T15:45:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 16012]  
coverage : 2018-03-18 / 2020-11-14  
created : 2023-08-21T15:45:18

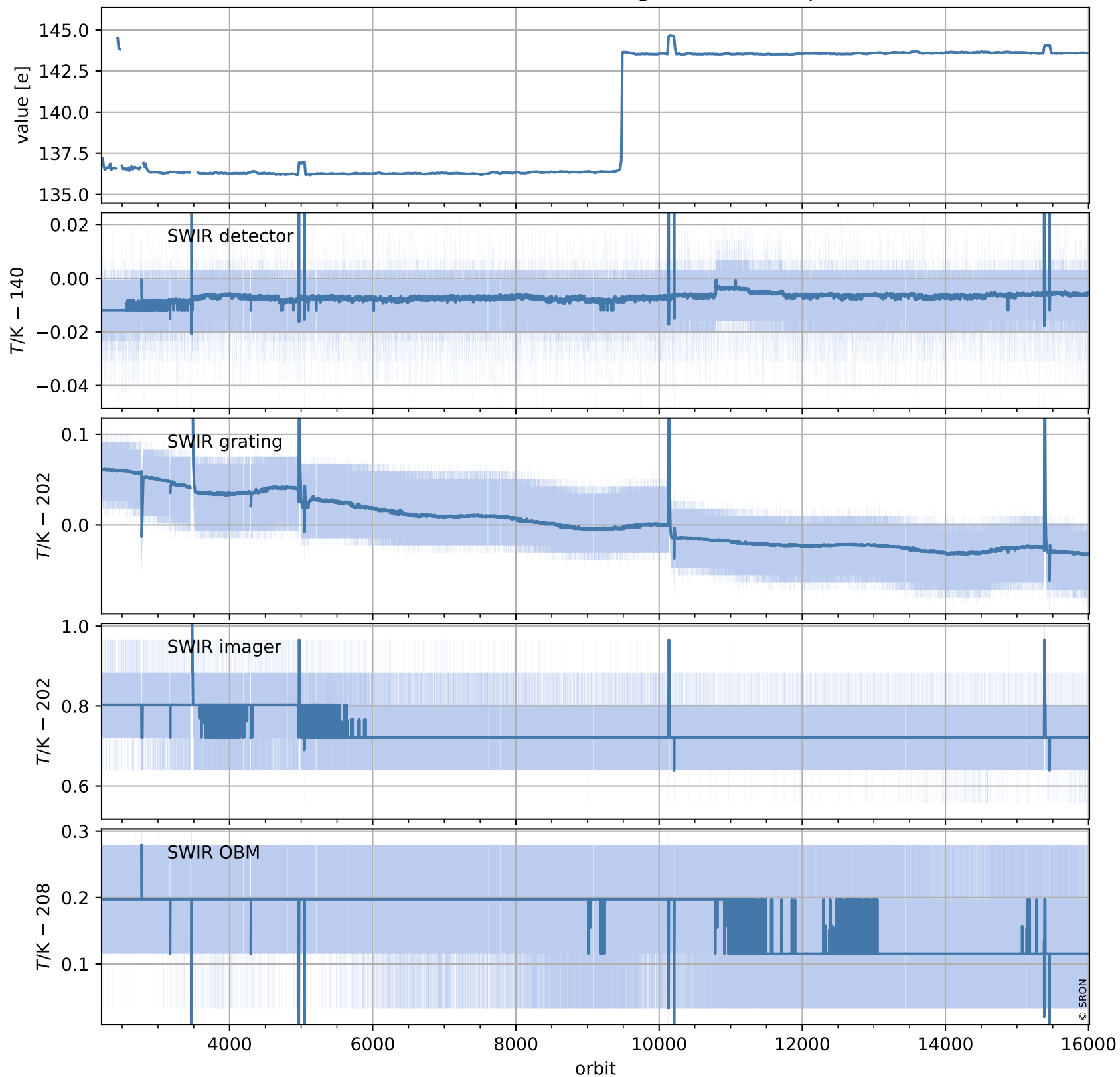
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16012]  
coverage : 2018-03-18 / 2020-11-14  
created : 2023-08-21T15:45:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16012]  
coverage : 2018-03-18 / 2020-11-14  
created : 2023-08-21T15:45:19

## trend of normalized read-noise & temperatures

