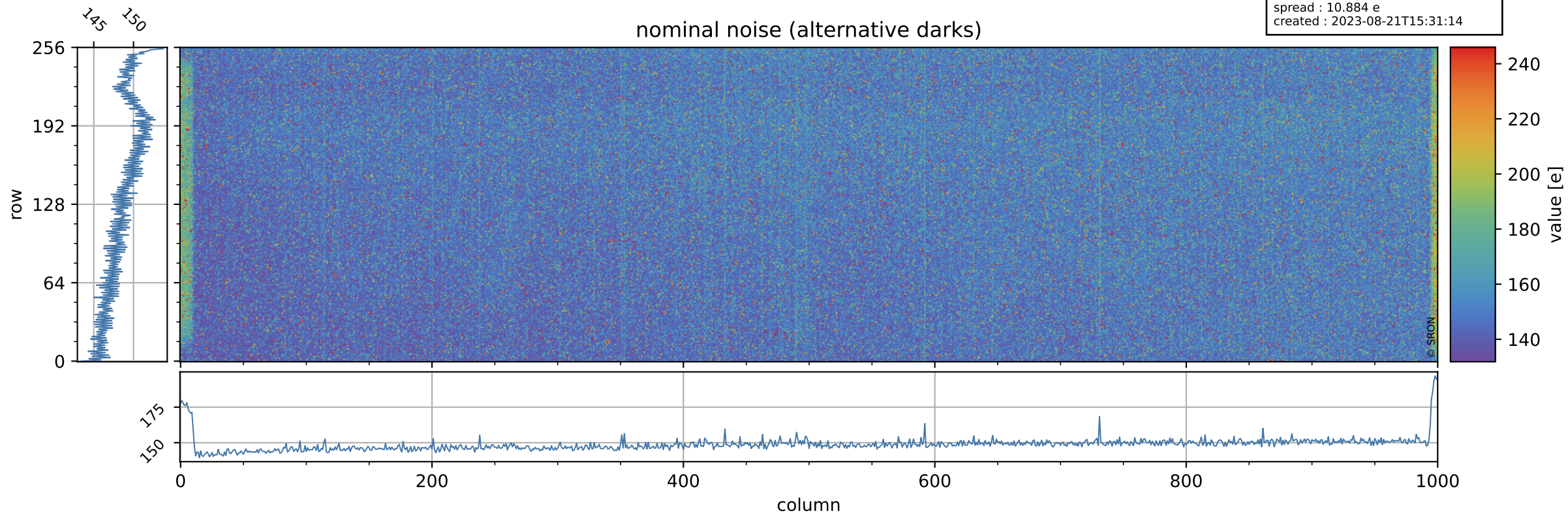


# Tropomi SWIR background noise (swir)

orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.884 e  
created : 2023-08-21T15:31:14

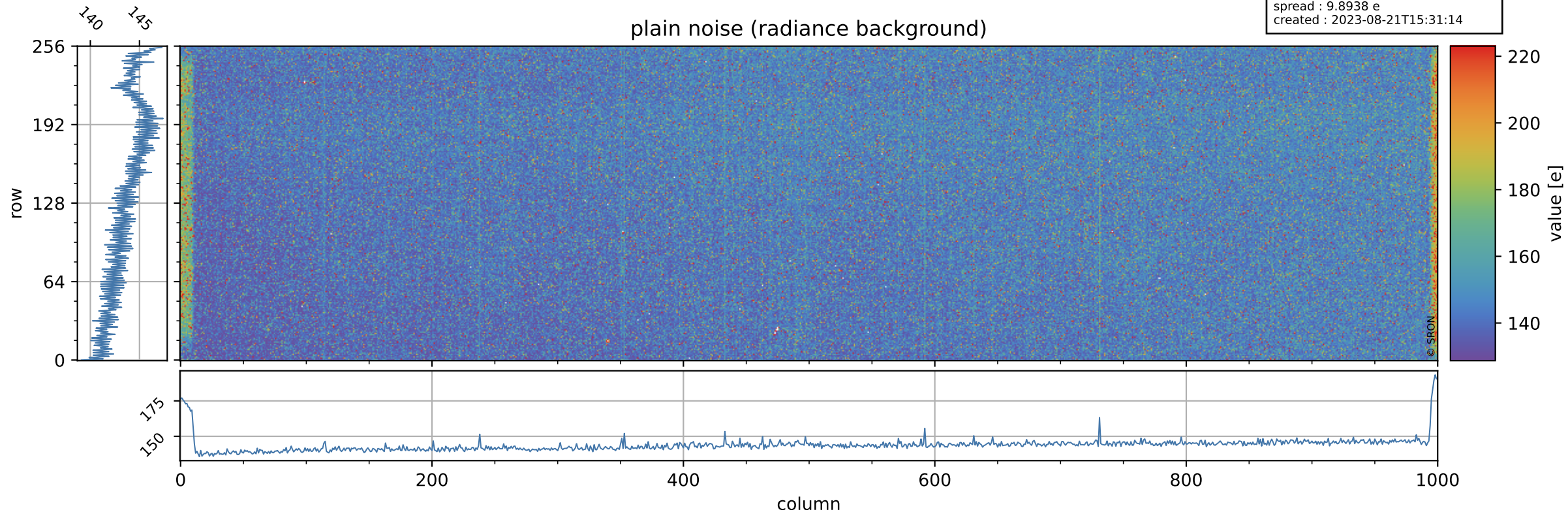
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.57 e  
spread : 9.8938 e  
created : 2023-08-21T15:31:14

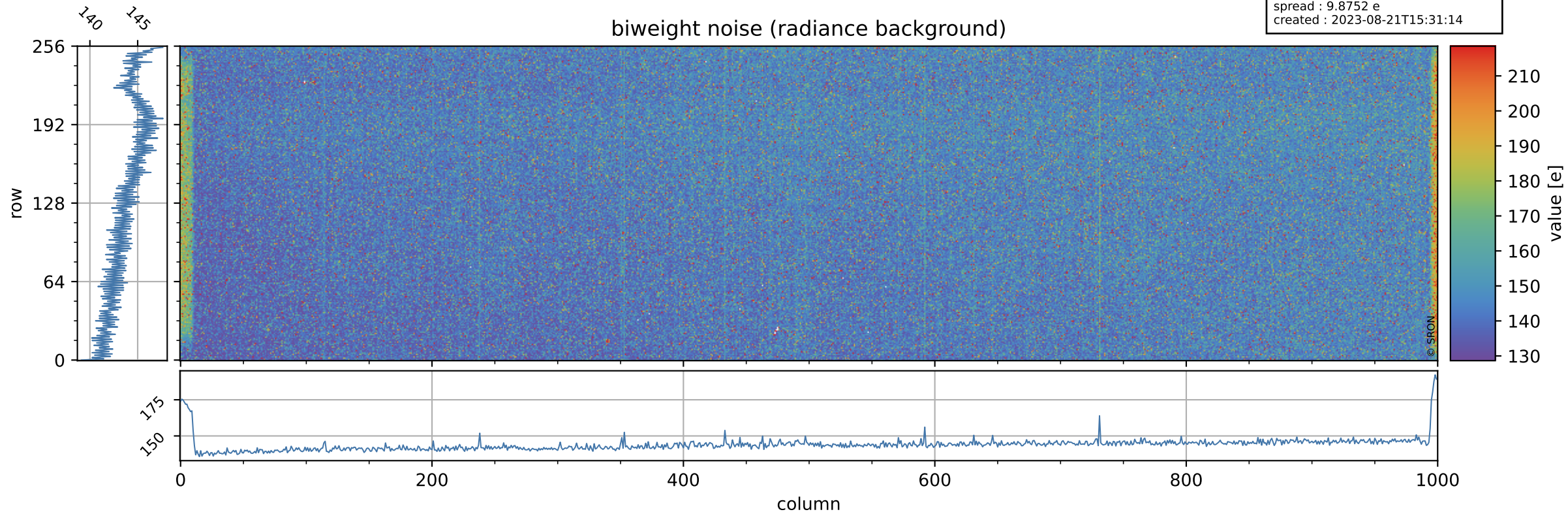
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.8752 e  
created : 2023-08-21T15:31:14

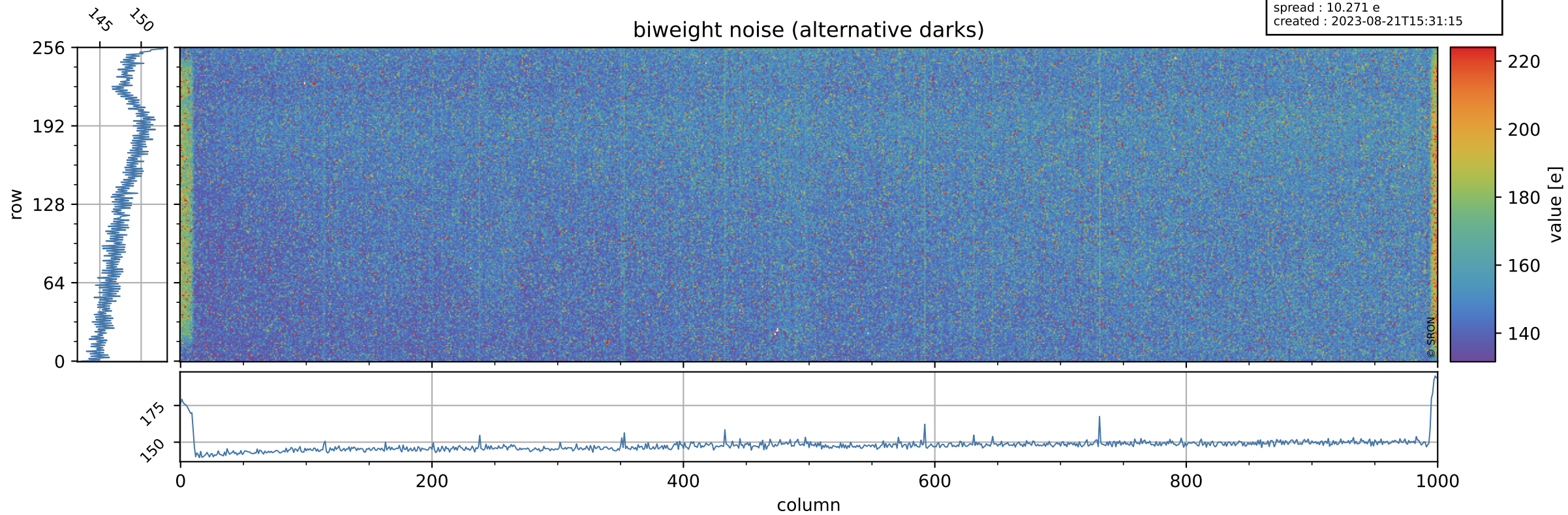
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.271 e  
created : 2023-08-21T15:31:15

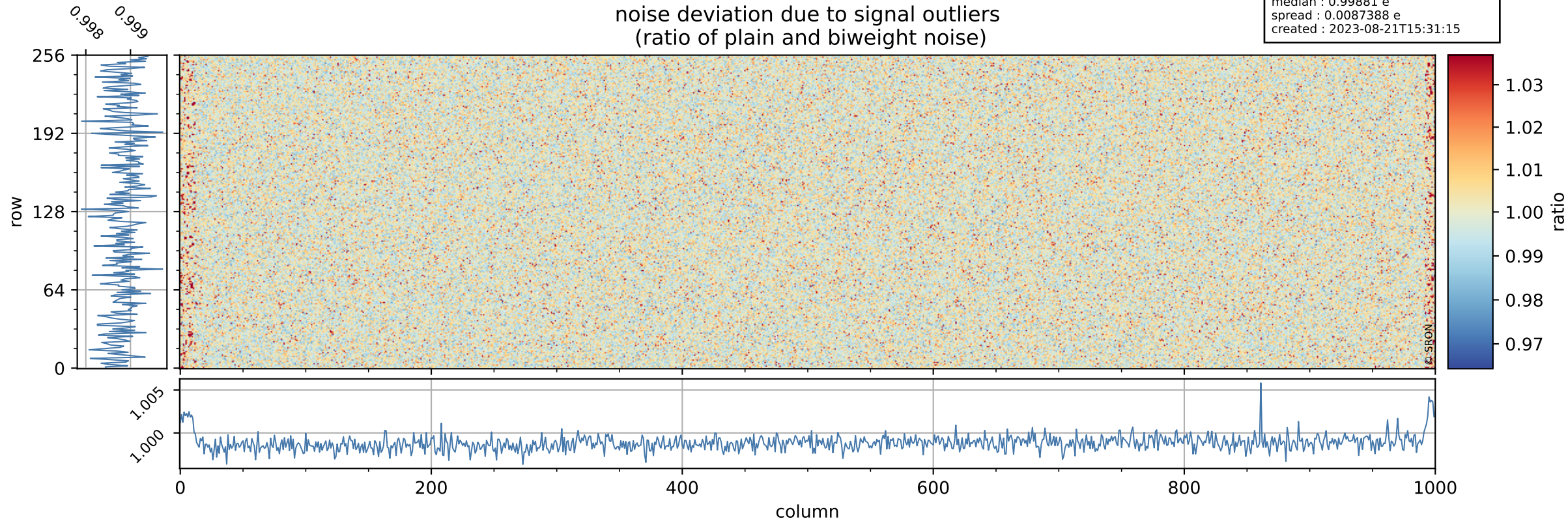
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

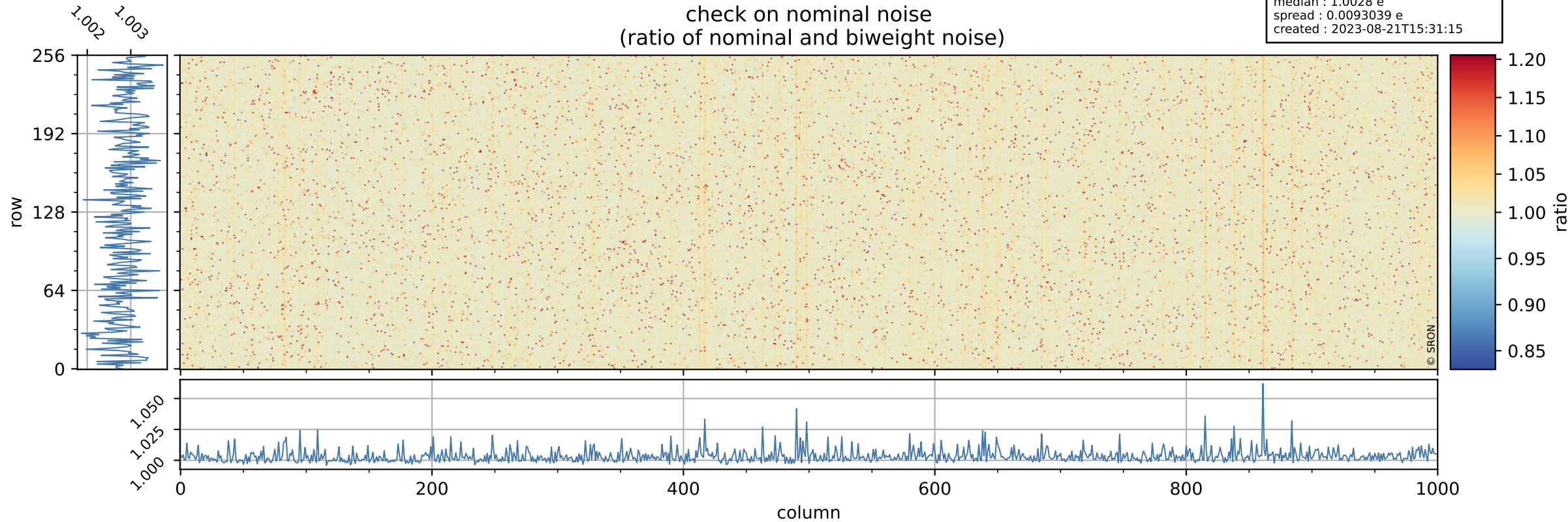
orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
median : 0.99881 e  
spread : 0.0087388 e  
created : 2023-08-21T15:31:15



# Tropomi SWIR background noise (swir)

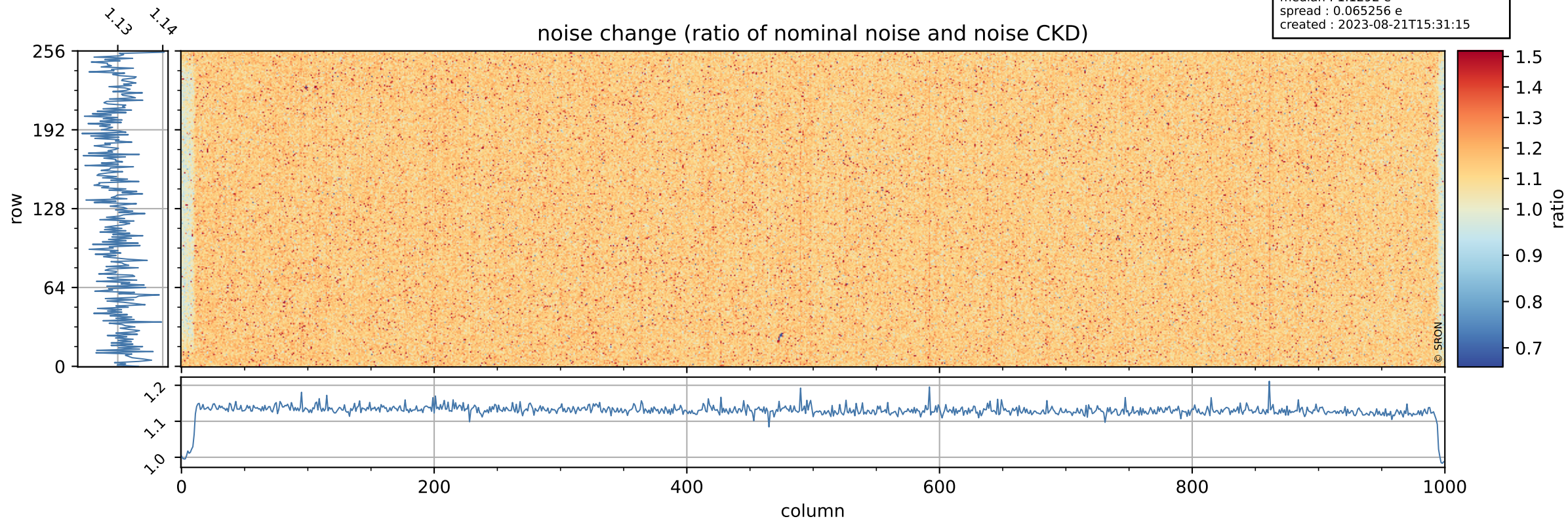
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
median : 1.0028 e  
spread : 0.0093039 e  
created : 2023-08-21T15:31:15



# Tropomi SWIR background noise (swir)

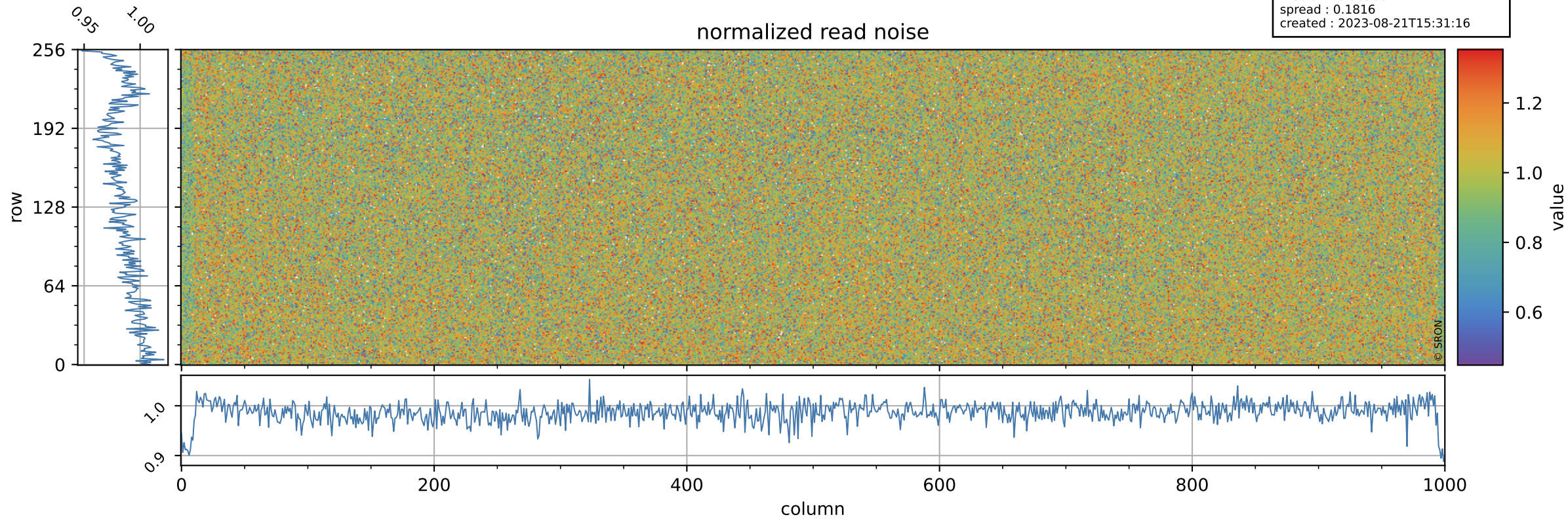
orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
median : 1.1292 e  
spread : 0.065256 e  
created : 2023-08-21T15:31:15



# Tropomi SWIR background noise (swir)

orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
median : 0.98506  
spread : 0.1816  
created : 2023-08-21T15:31:16

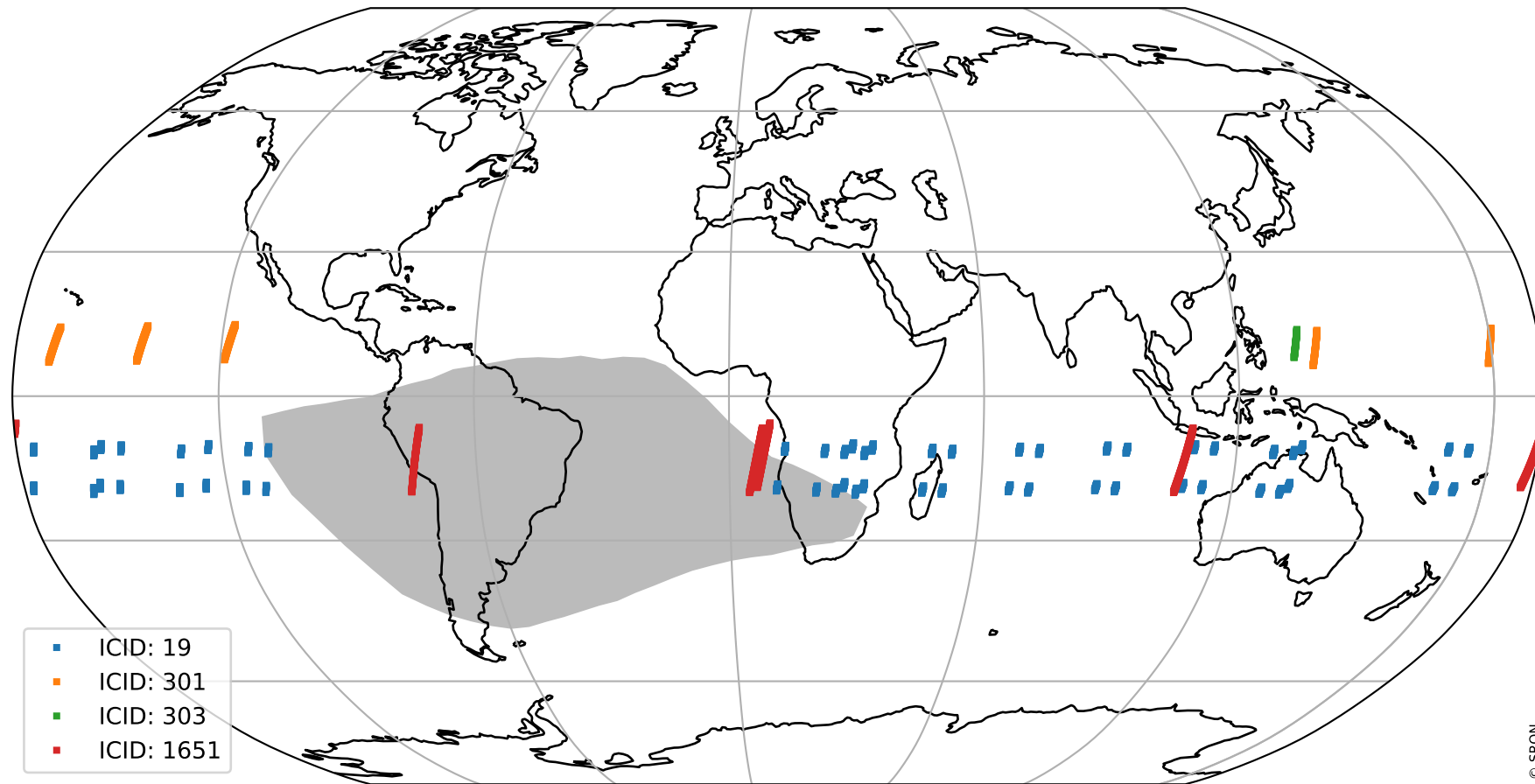
normalized read noise





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

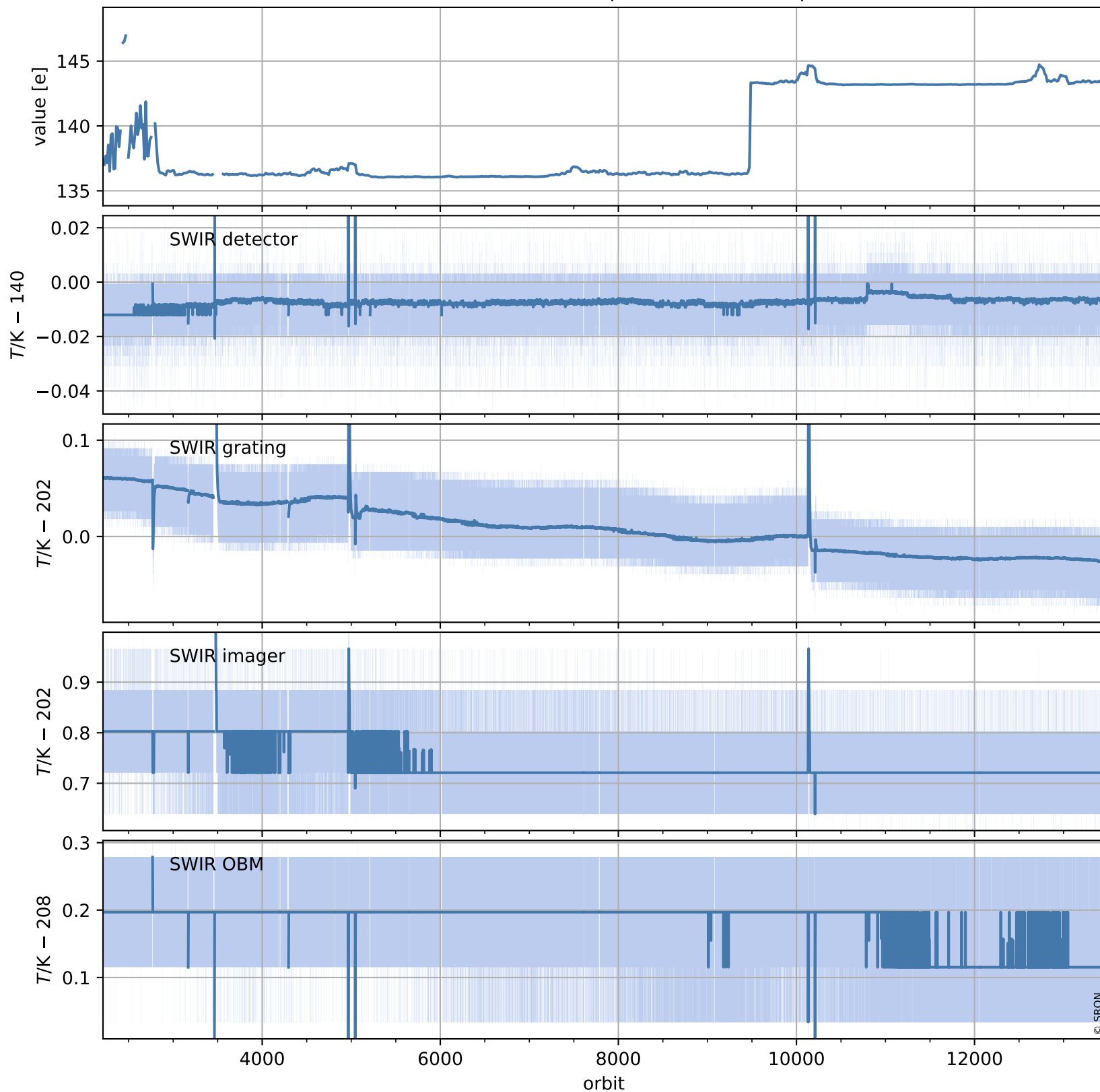
orbits : 11 in [13372, 13462]  
coverage : 2020-05-13 / 2020-05-19  
created : 2023-08-21T15:31:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 13462]  
coverage : 2018-03-18 / 2020-05-19  
created : 2023-08-21T15:31:16

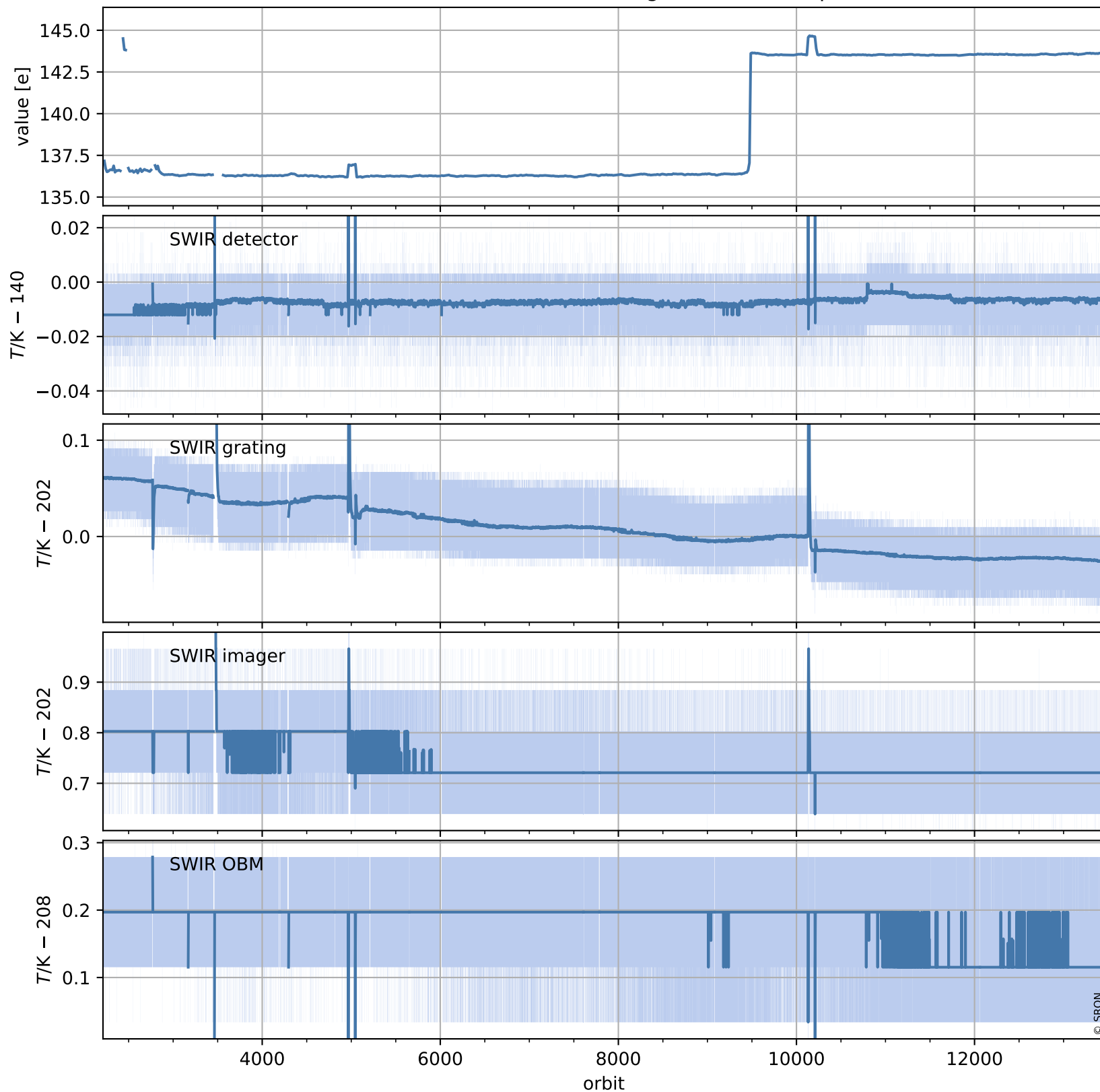
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13462]  
coverage : 2018-03-18 / 2020-05-19  
created : 2023-08-21T15:31:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13462]  
coverage : 2018-03-18 / 2020-05-19  
created : 2023-08-21T15:31:17

## trend of normalized read-noise & temperatures

