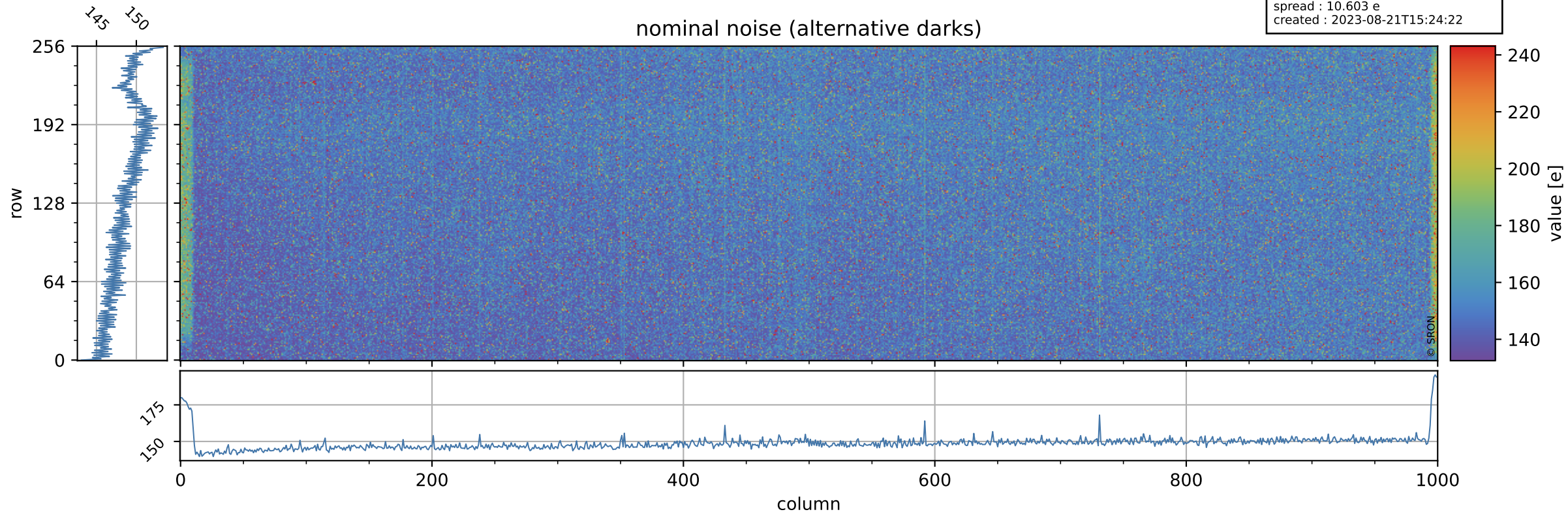


# Tropomi SWIR background noise (swir)

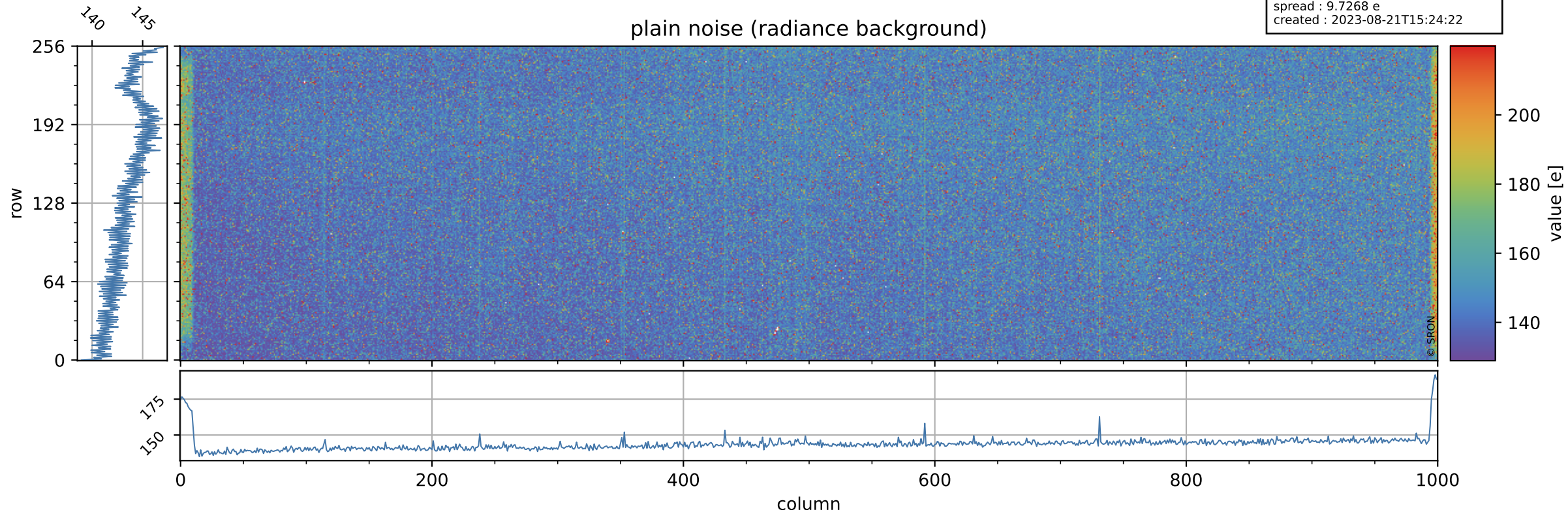
orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.5 e  
spread : 10.603 e  
created : 2023-08-21T15:24:22



# Tropomi SWIR background noise (swir)

orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.7268 e  
created : 2023-08-21T15:24:22

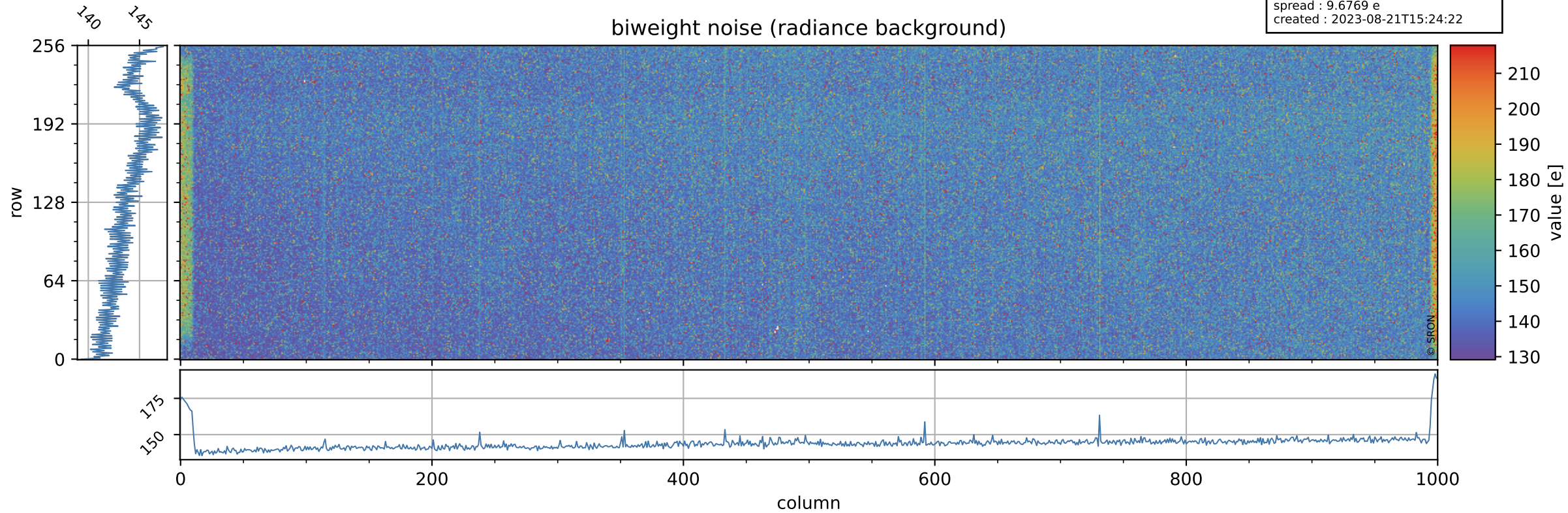
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 9.6769 e  
created : 2023-08-21T15:24:22

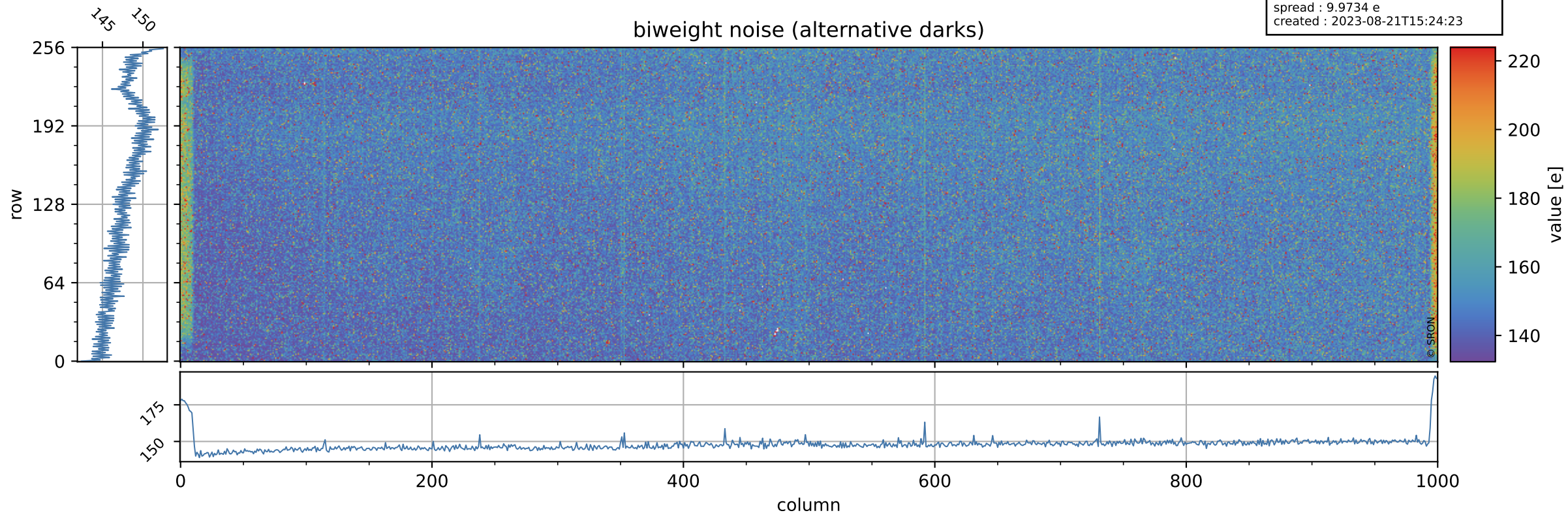
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 9.9734 e  
created : 2023-08-21T15:24:23

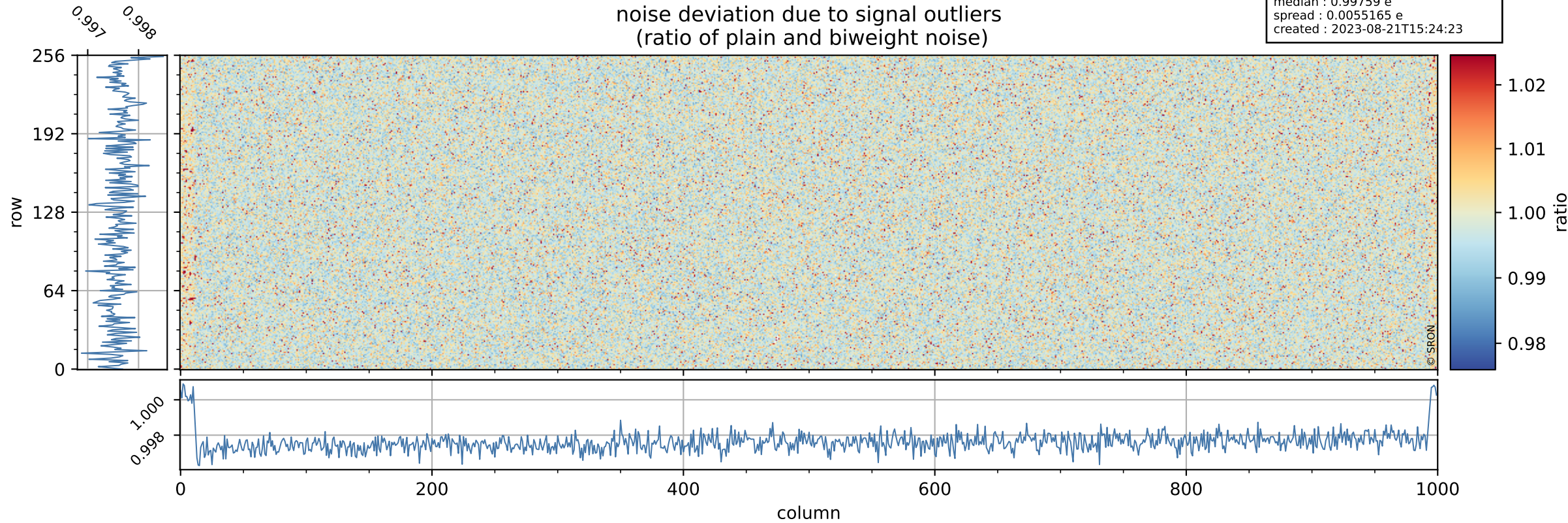
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

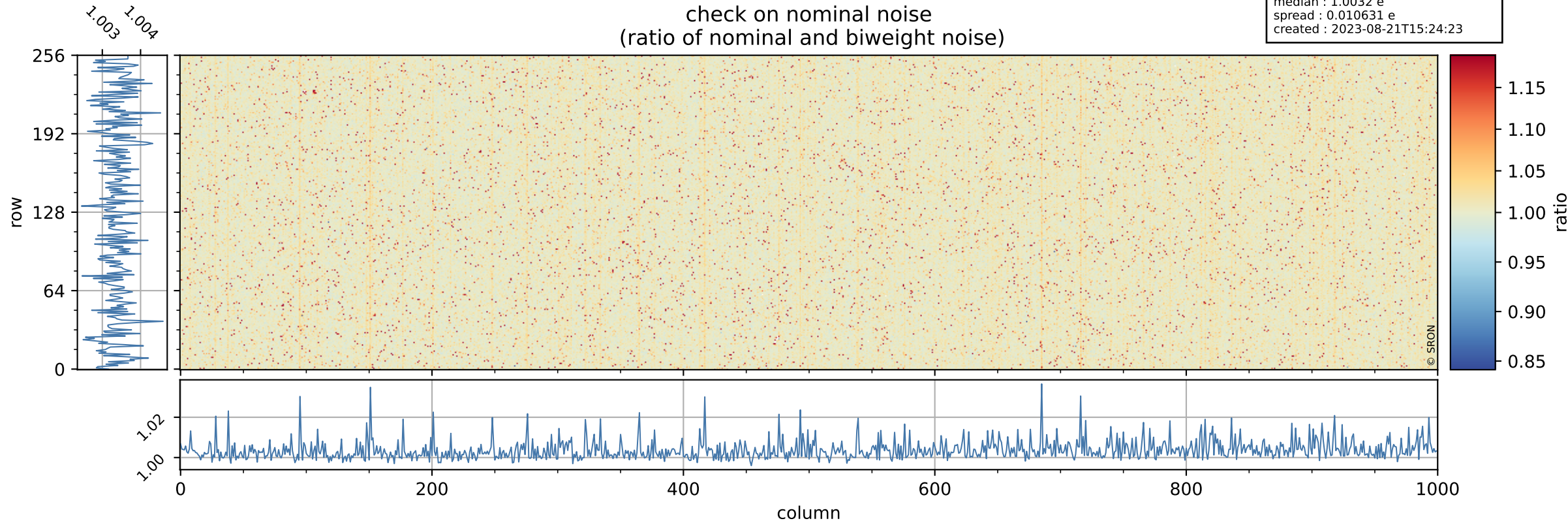
orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
median : 0.99759 e  
spread : 0.0055165 e  
created : 2023-08-21T15:24:23



# Tropomi SWIR background noise (swir)

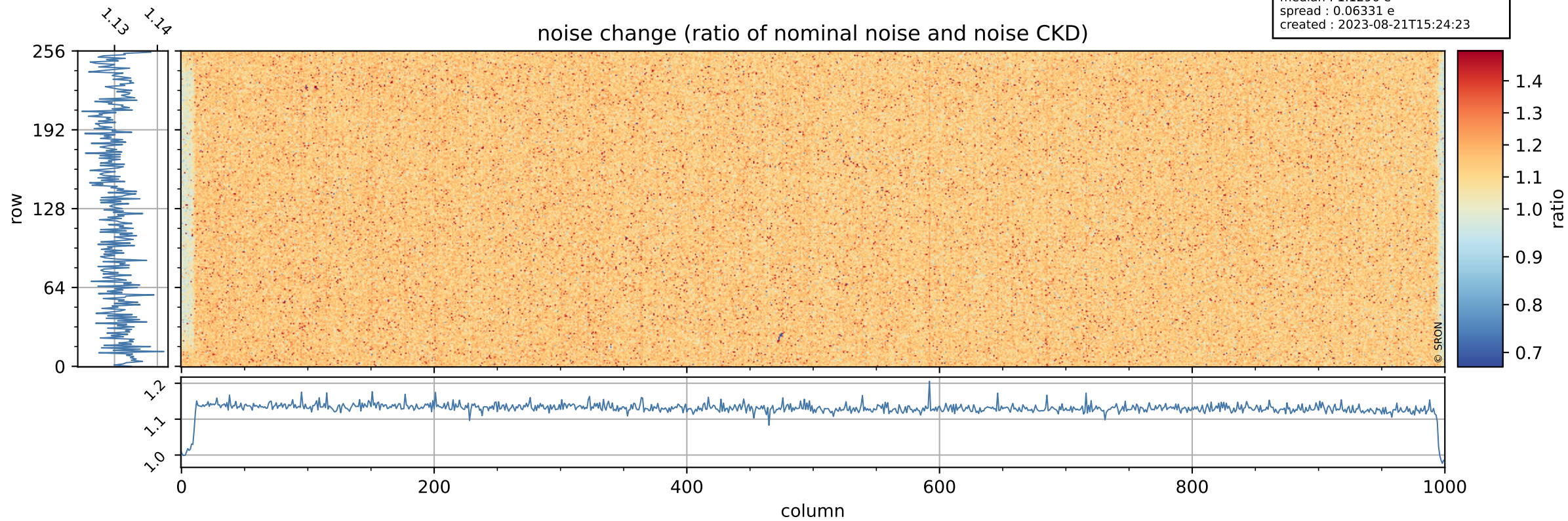
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
median : 1.0032 e  
spread : 0.010631 e  
created : 2023-08-21T15:24:23



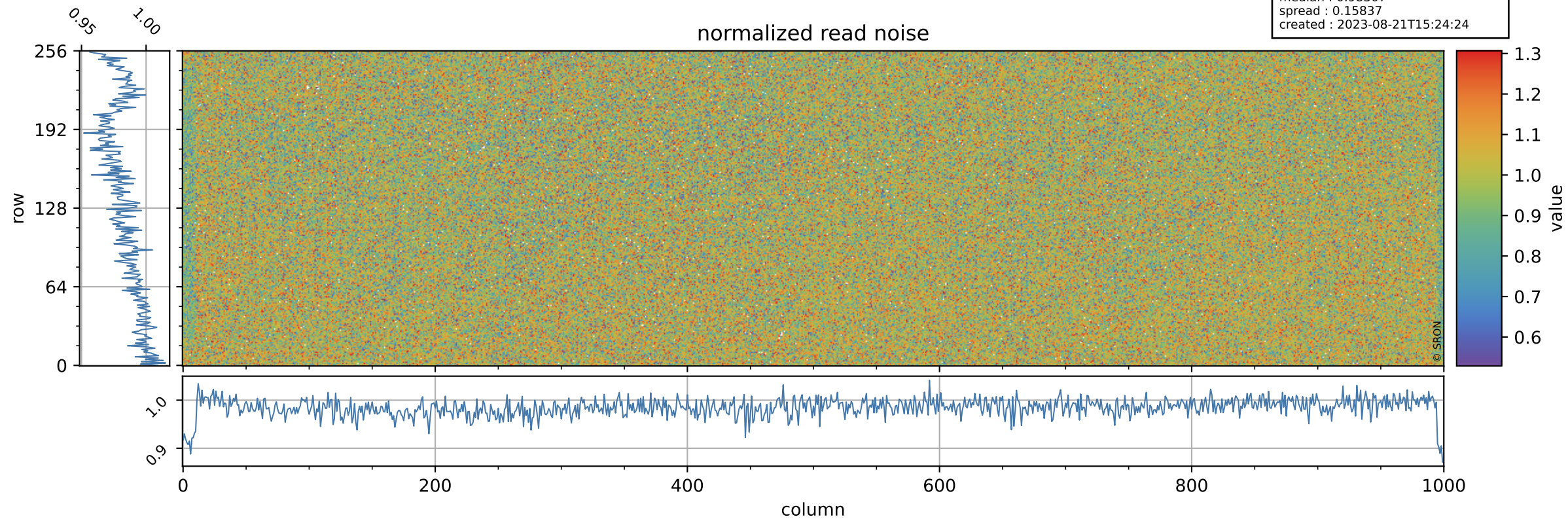
# Tropomi SWIR background noise (swir)

orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
median : 1.1296 e  
spread : 0.06331 e  
created : 2023-08-21T15:24:23



# Tropomi SWIR background noise (swir)

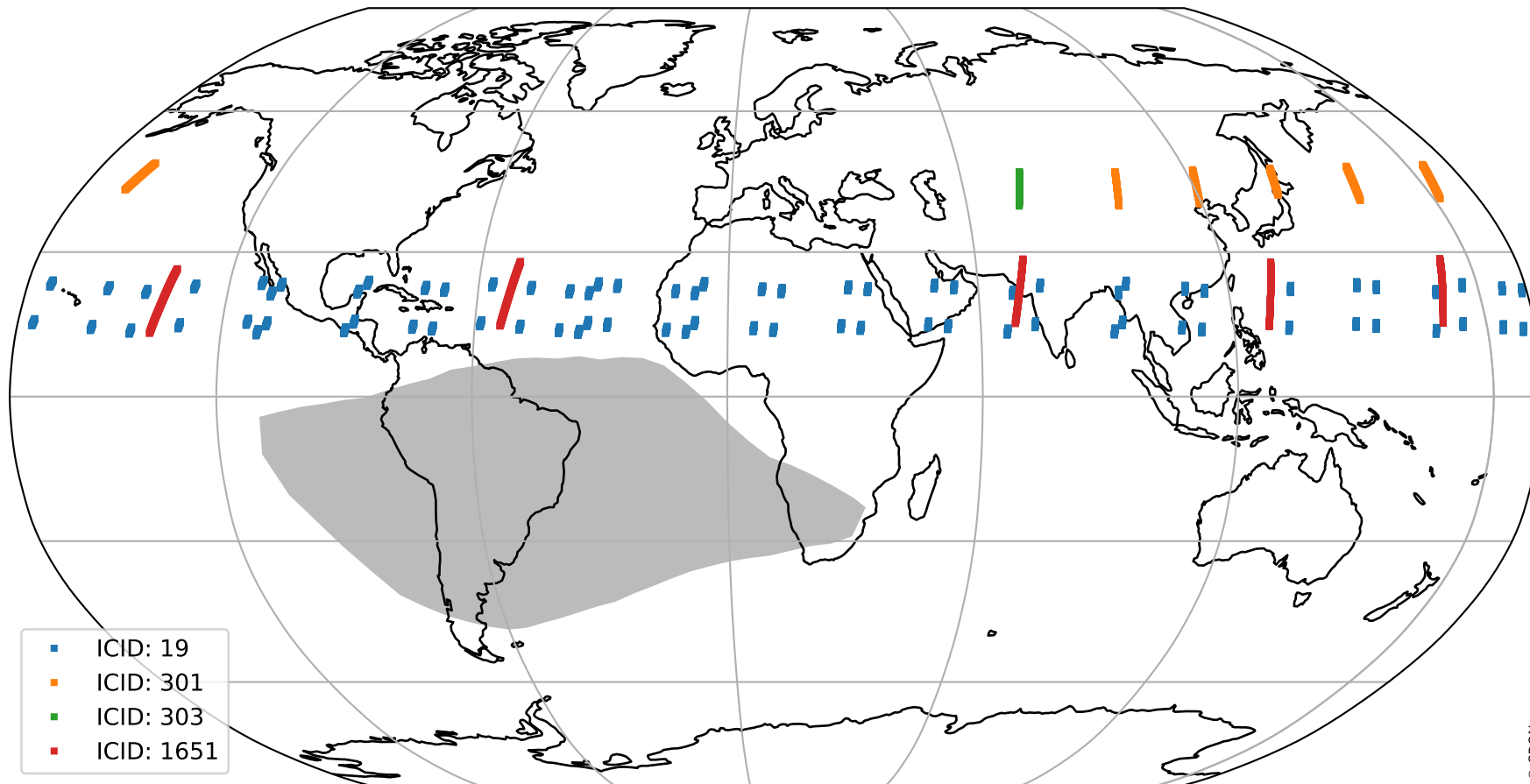
orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
median : 0.98307  
spread : 0.15837  
created : 2023-08-21T15:24:24





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

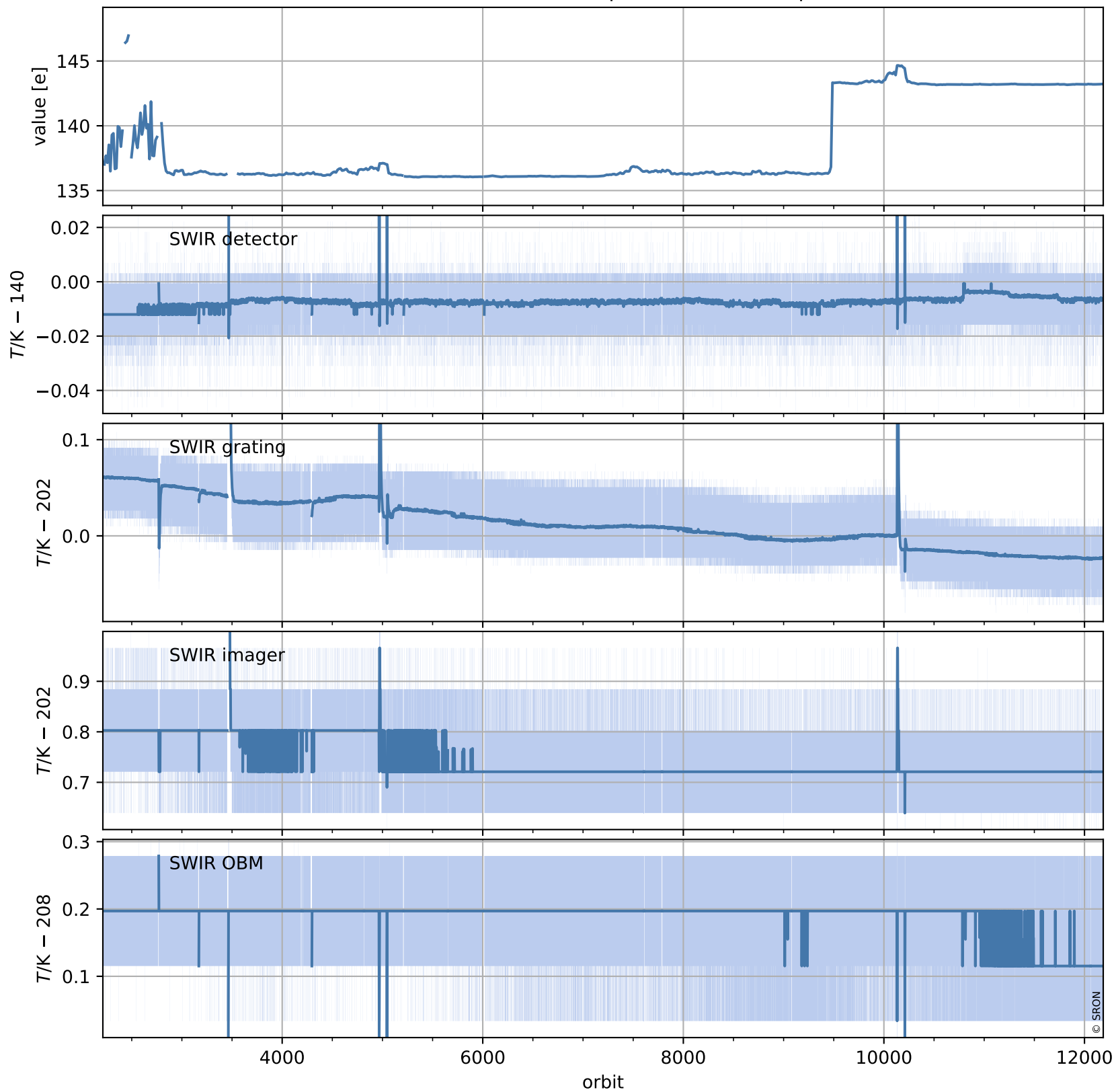
orbits : 12 in [12097, 12187]  
coverage : 2020-02-13 / 2020-02-19  
created : 2023-08-21T15:24:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 12187]  
coverage : 2018-03-18 / 2020-02-19  
created : 2023-08-21T15:24:24

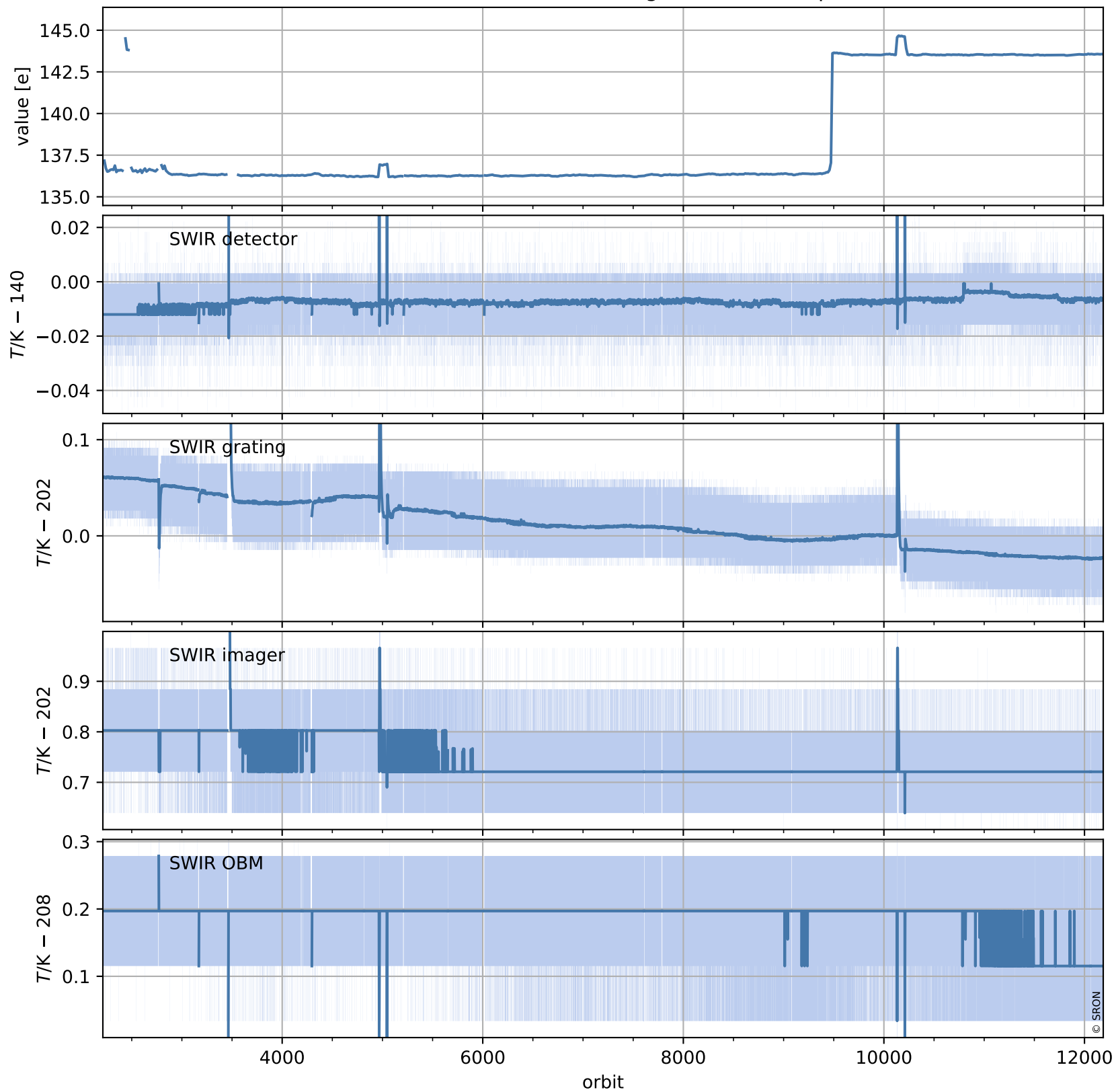
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12187]  
coverage : 2018-03-18 / 2020-02-19  
created : 2023-08-21T15:24:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12187]  
coverage : 2018-03-18 / 2020-02-19  
created : 2023-08-21T15:24:26

## trend of normalized read-noise & temperatures

