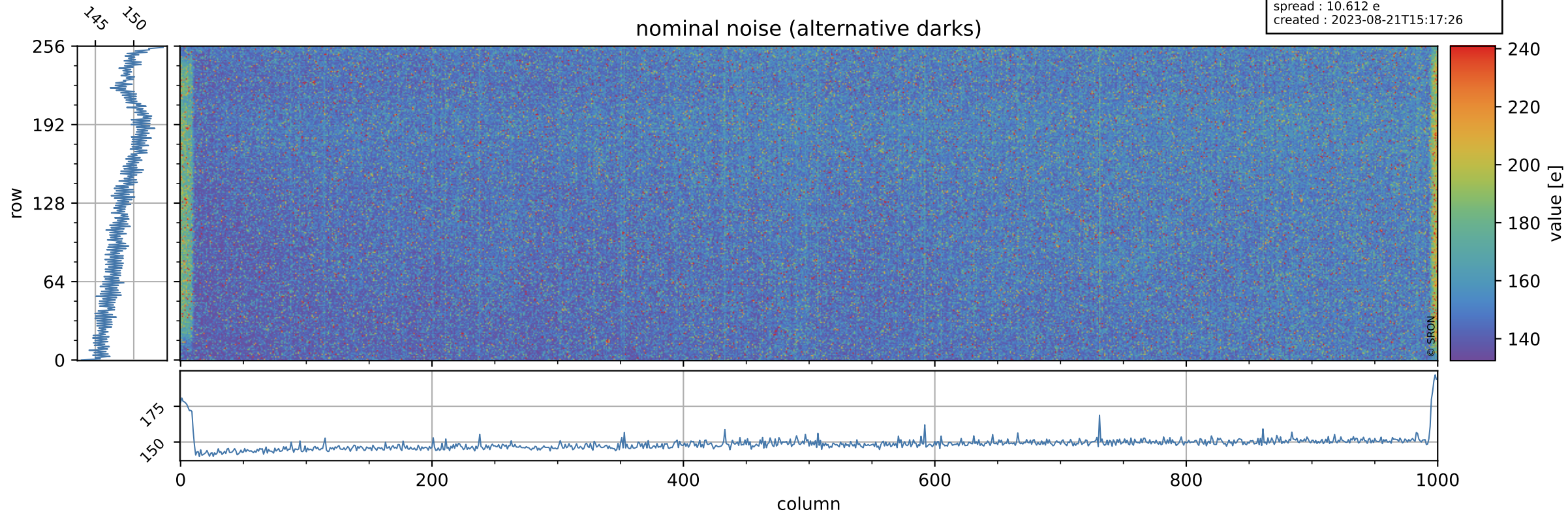


# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.51 e  
spread : 10.612 e  
created : 2023-08-21T15:17:26

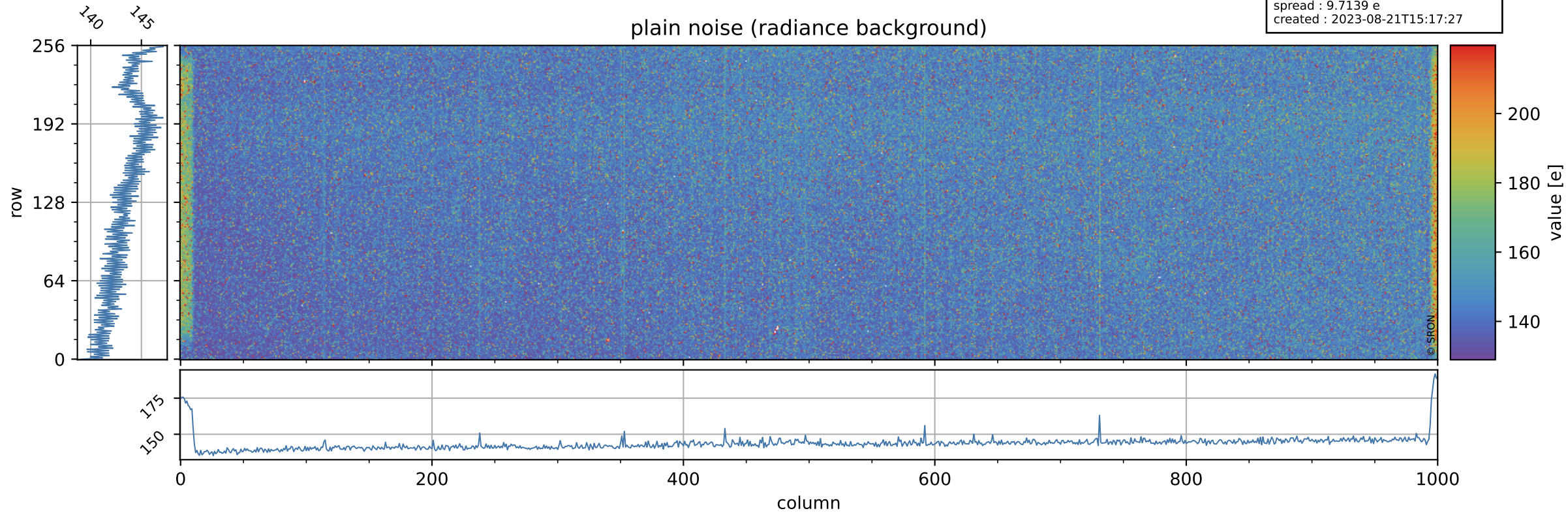
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.34 e  
spread : 9.7139 e  
created : 2023-08-21T15:17:27

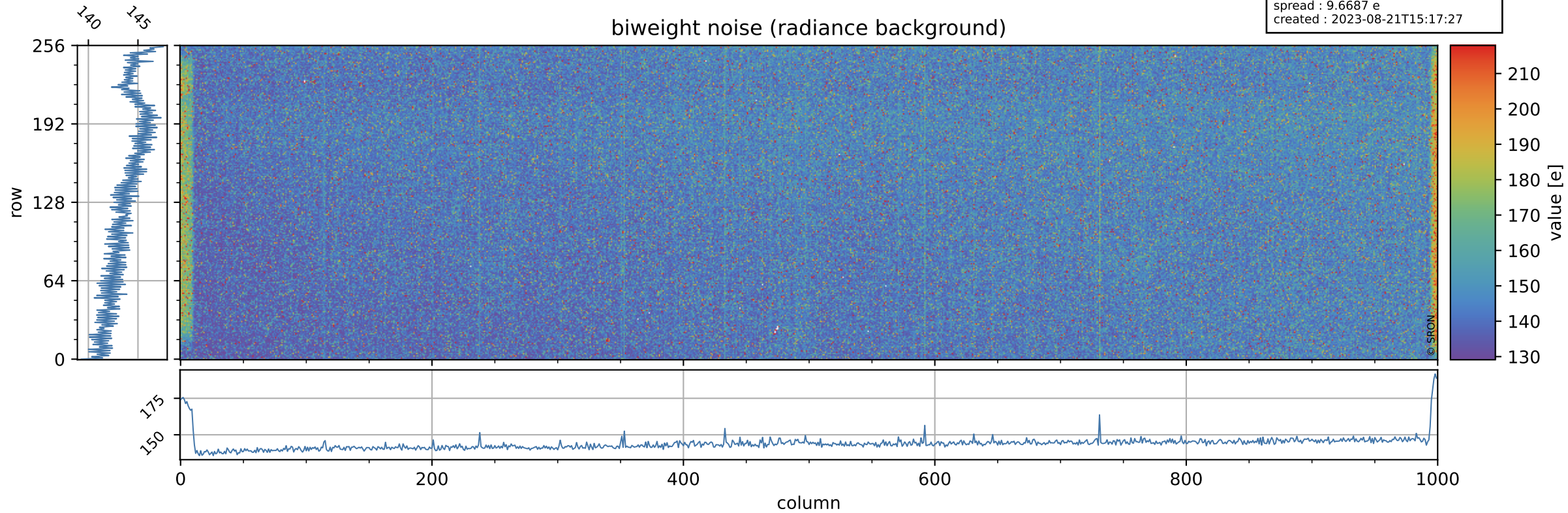
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.6687 e  
created : 2023-08-21T15:17:27

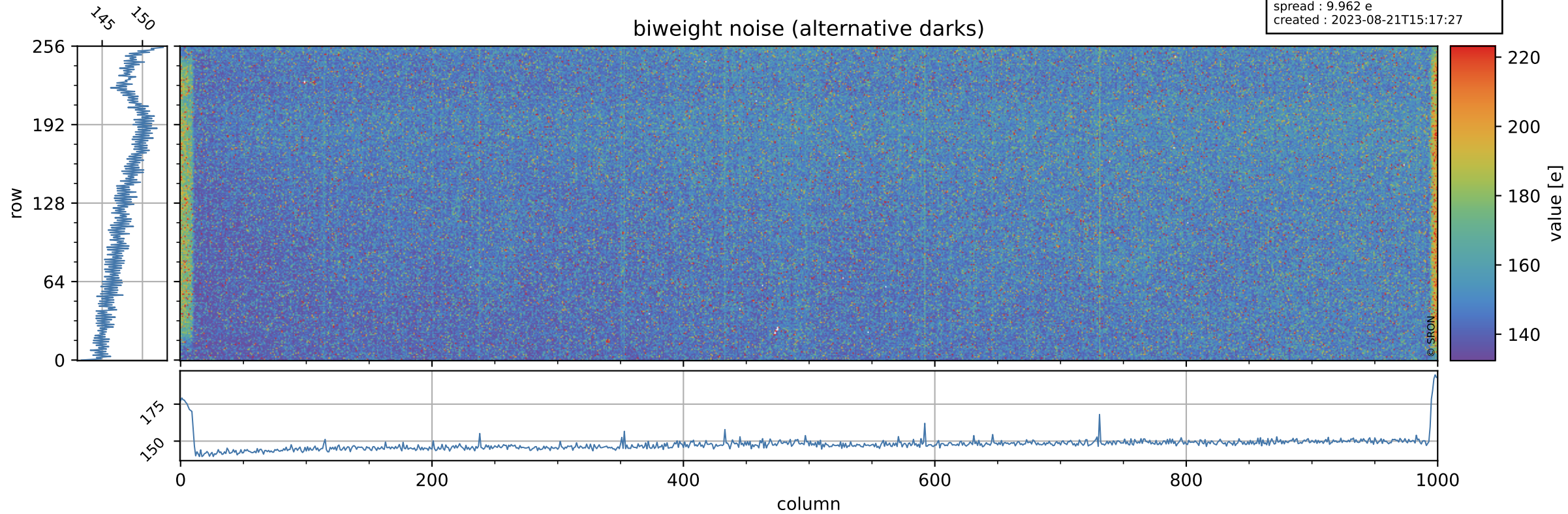
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 9.962 e  
created : 2023-08-21T15:17:27

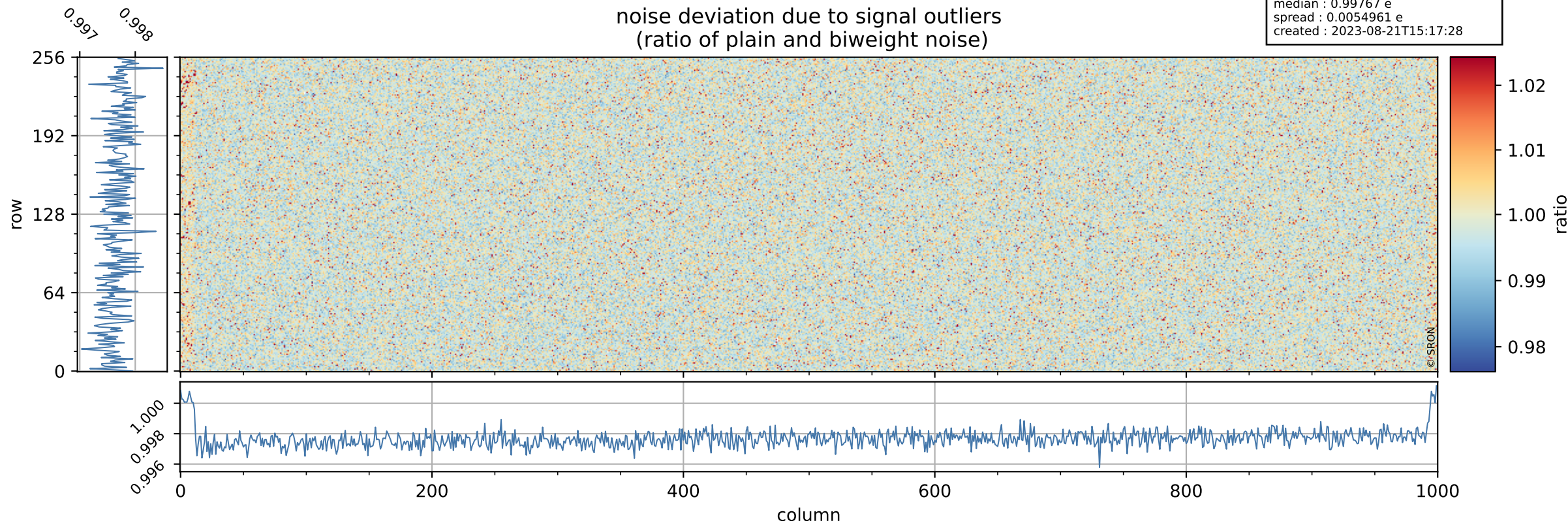
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

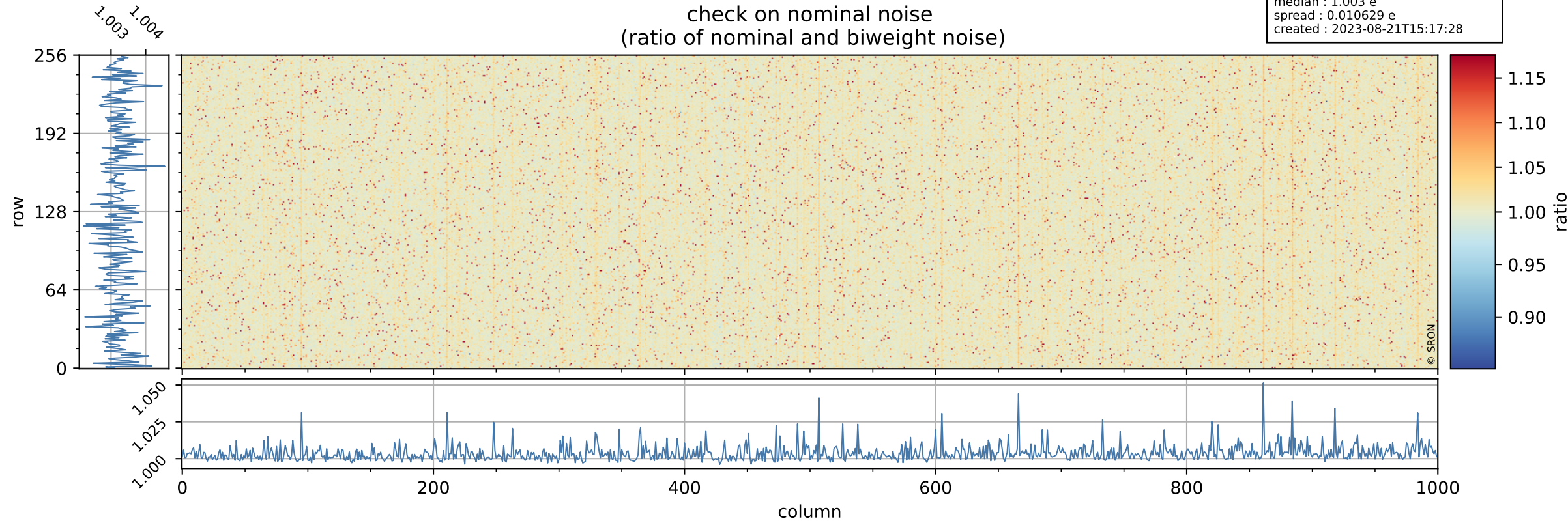
orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
median : 0.99767 e  
spread : 0.0054961 e  
created : 2023-08-21T15:17:28



# Tropomi SWIR background noise (swir)

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

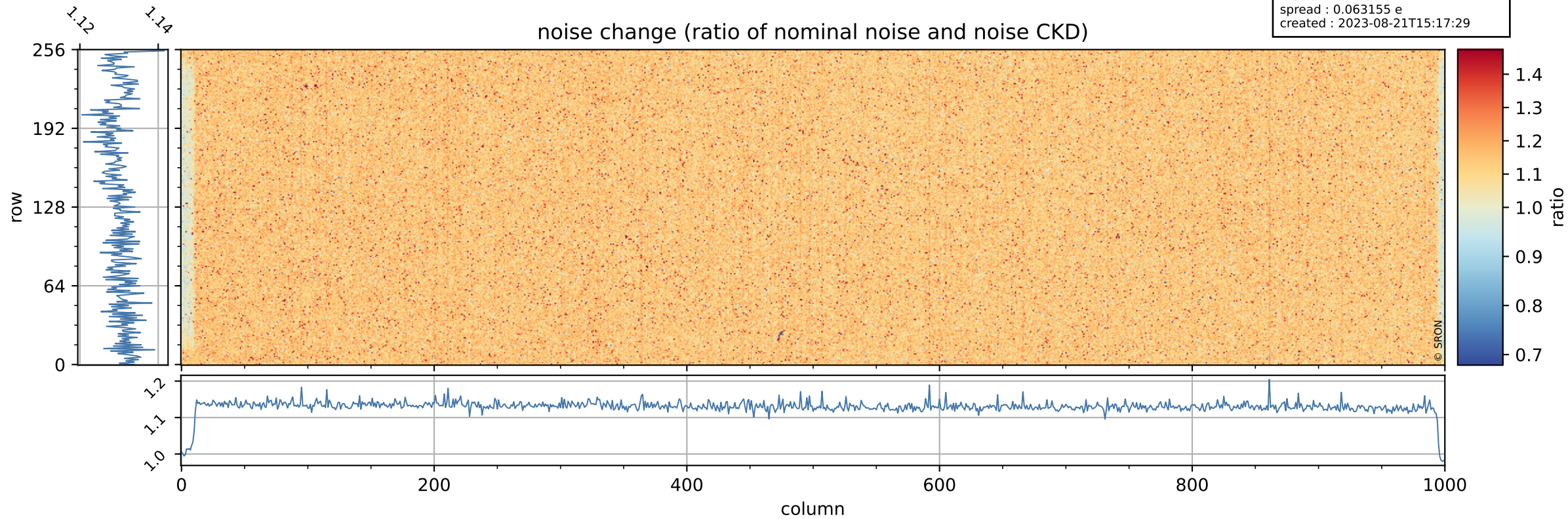
orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
median : 1.003 e  
spread : 0.010629 e  
created : 2023-08-21T15:17:28



# Tropomi SWIR background noise (swir)

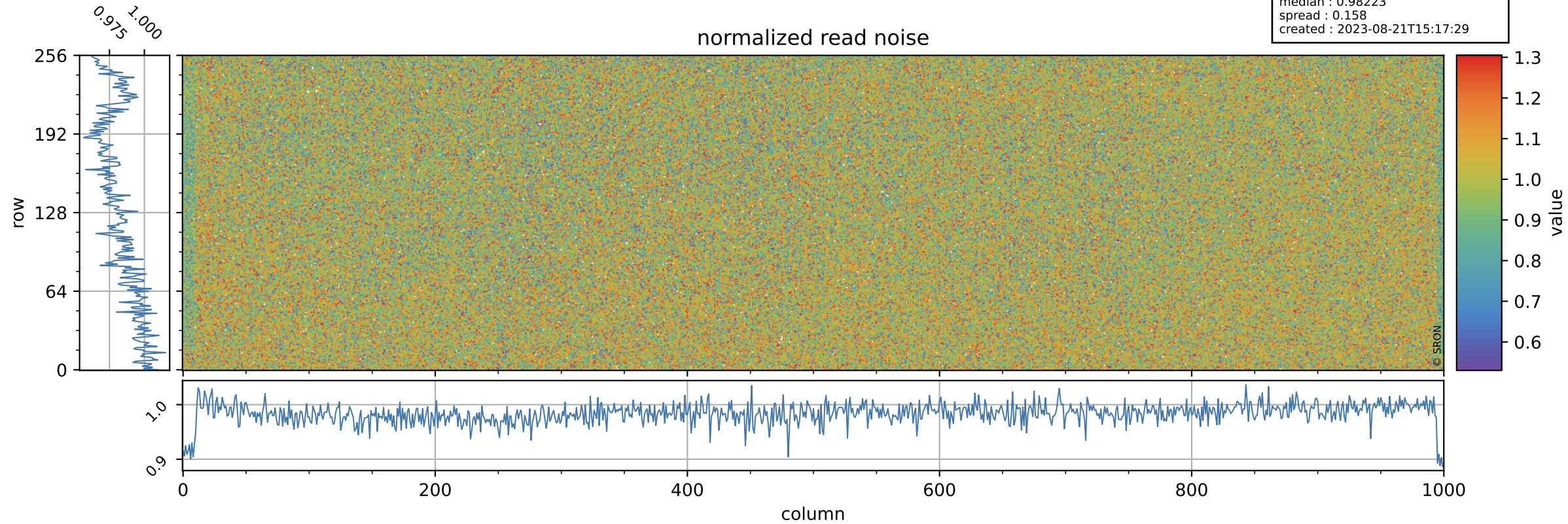
orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
median : 1.1296 e  
spread : 0.063155 e  
created : 2023-08-21T15:17:29

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

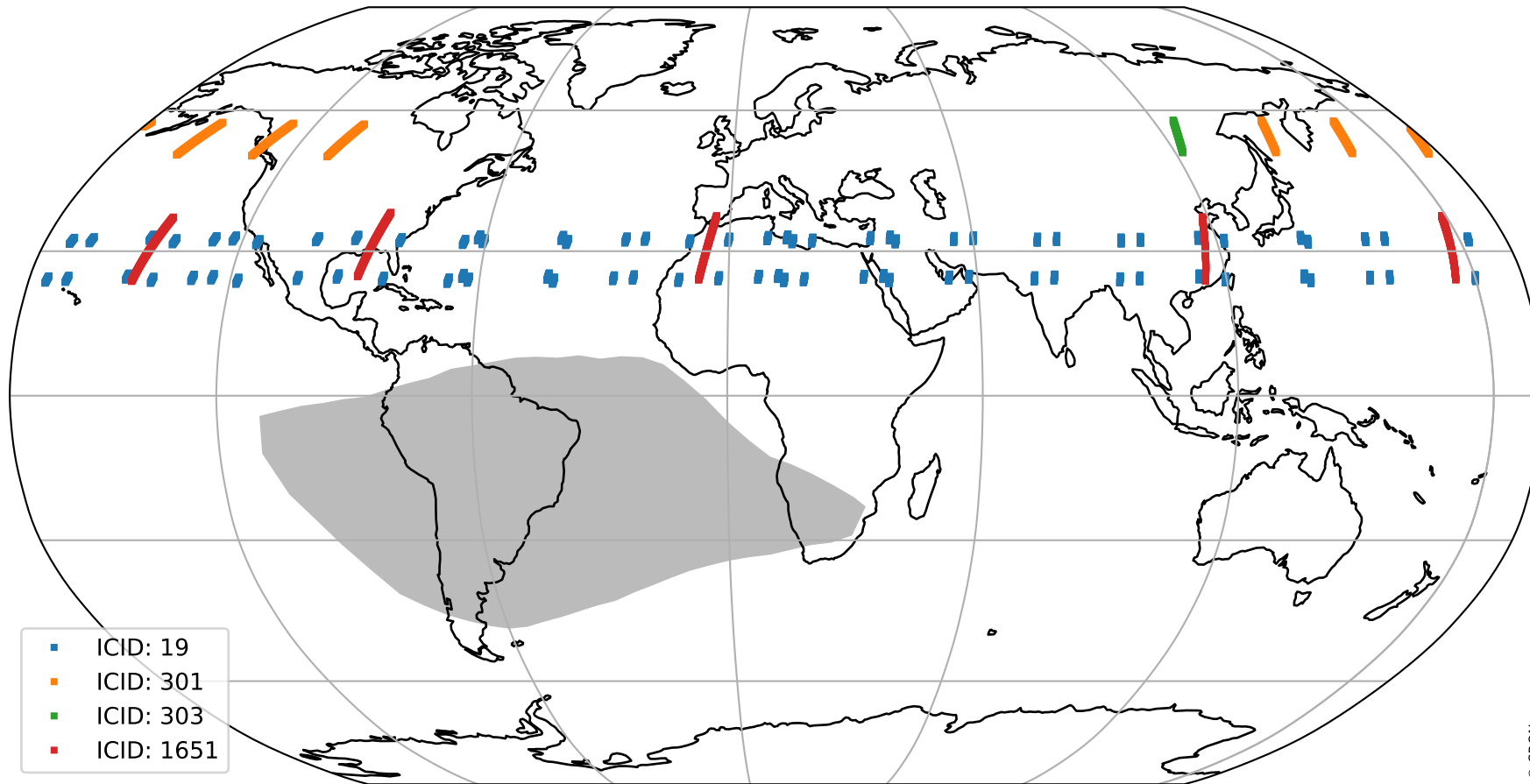
orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
median : 0.98223  
spread : 0.158  
created : 2023-08-21T15:17:29





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

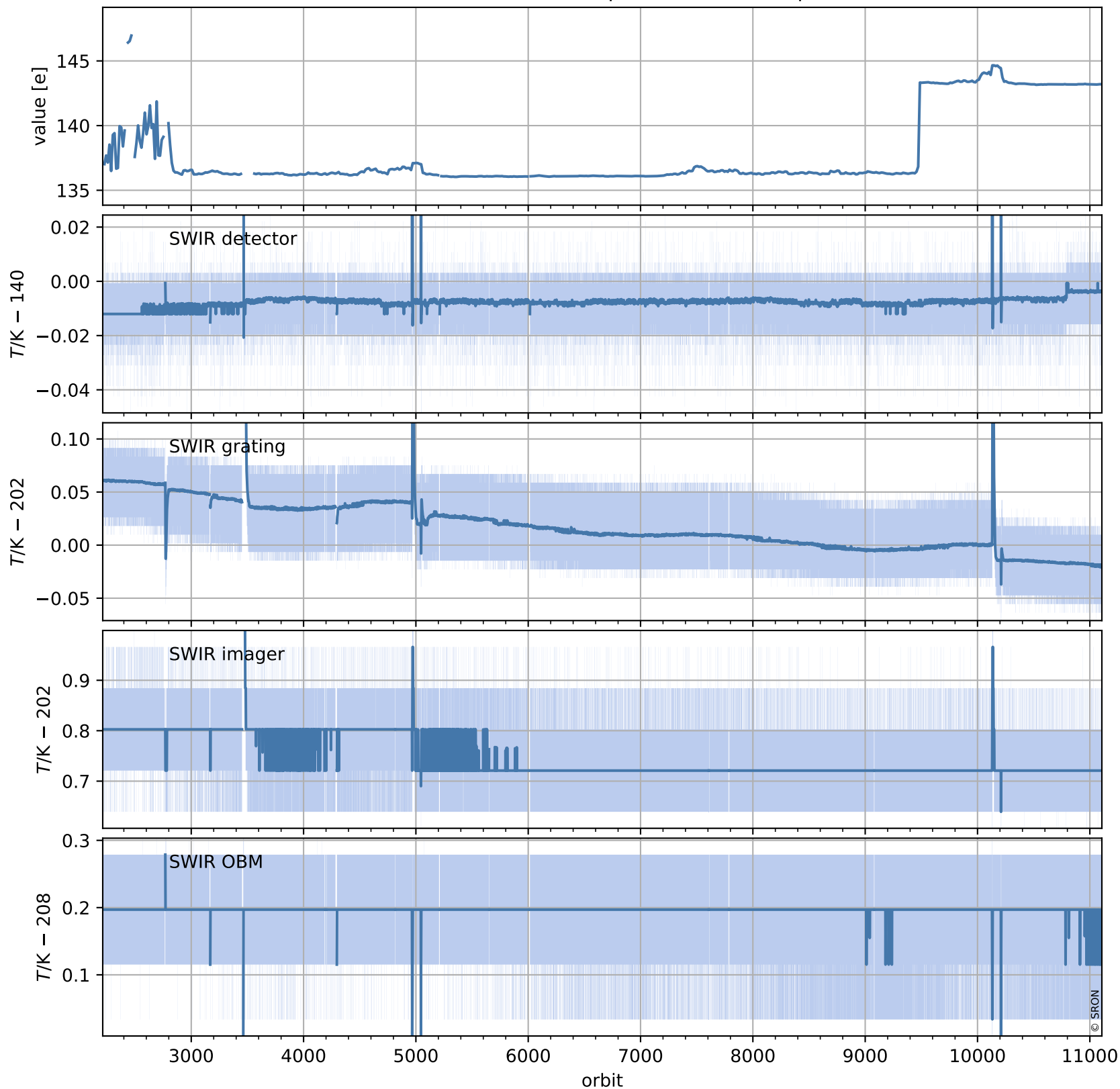
orbits : 12 in [11017, 11107]  
coverage : 2019-11-29 / 2019-12-05  
created : 2023-08-21T15:17:29



# Tropomi SWIR background noise (swir)

orbits : [2212, 11107]  
coverage : 2018-03-18 / 2019-12-05  
created : 2023-08-21T15:17:30

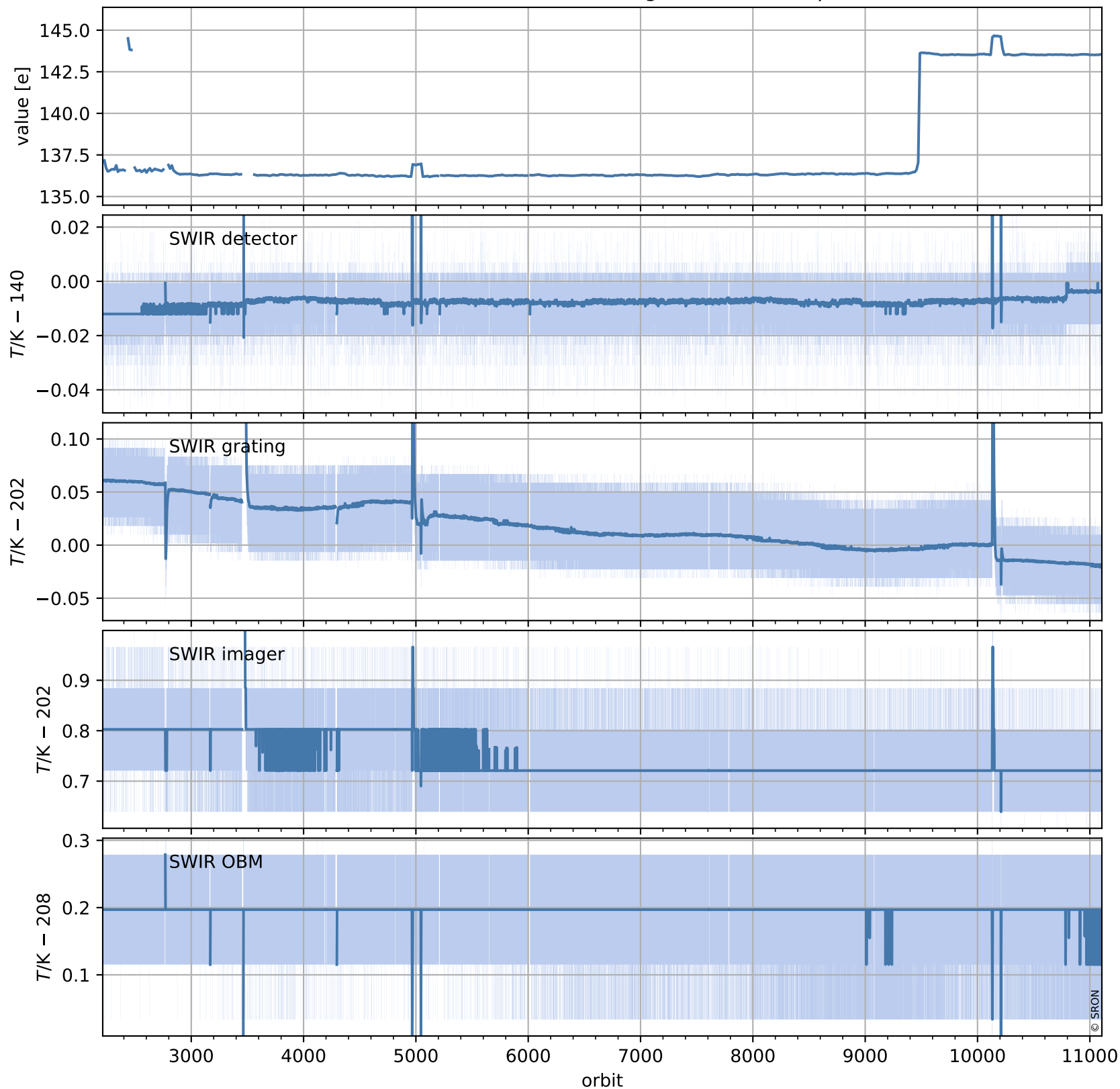
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11107]  
coverage : 2018-03-18 / 2019-12-05  
created : 2023-08-21T15:17:31

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11107]  
coverage : 2018-03-18 / 2019-12-05  
created : 2023-08-21T15:17:32

## trend of normalized read-noise & temperatures

