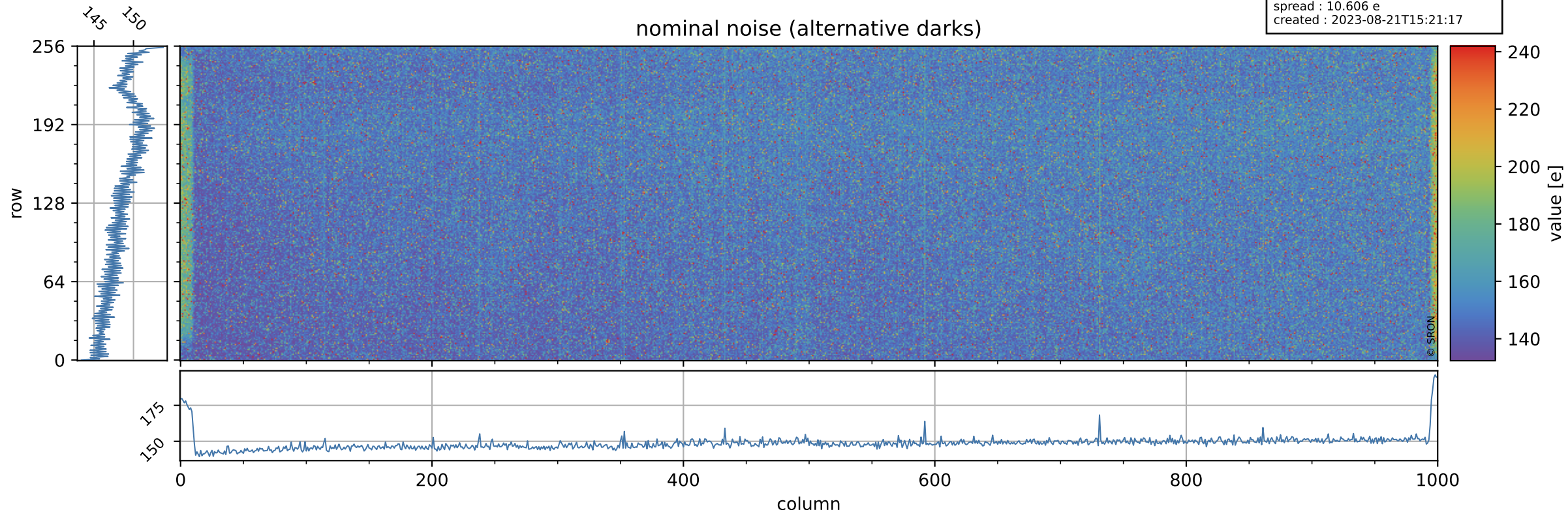


# Tropomi SWIR background noise (swir)

orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.48 e  
spread : 10.606 e  
created : 2023-08-21T15:21:17

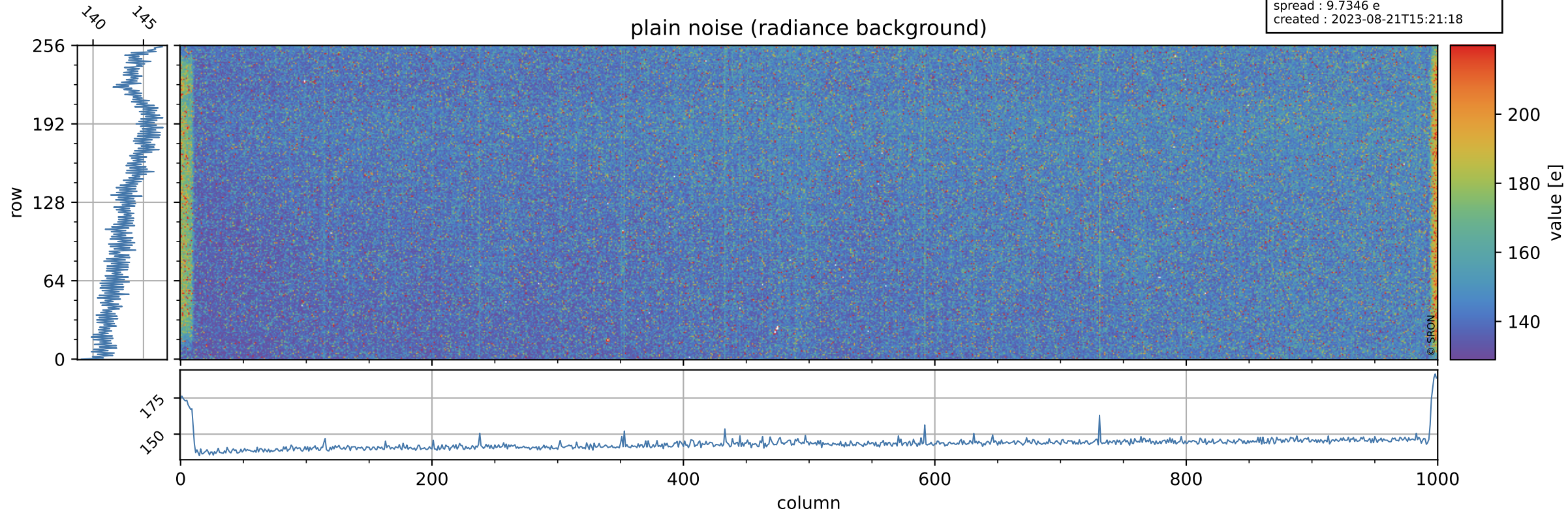
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.35 e  
spread : 9.7346 e  
created : 2023-08-21T15:21:18

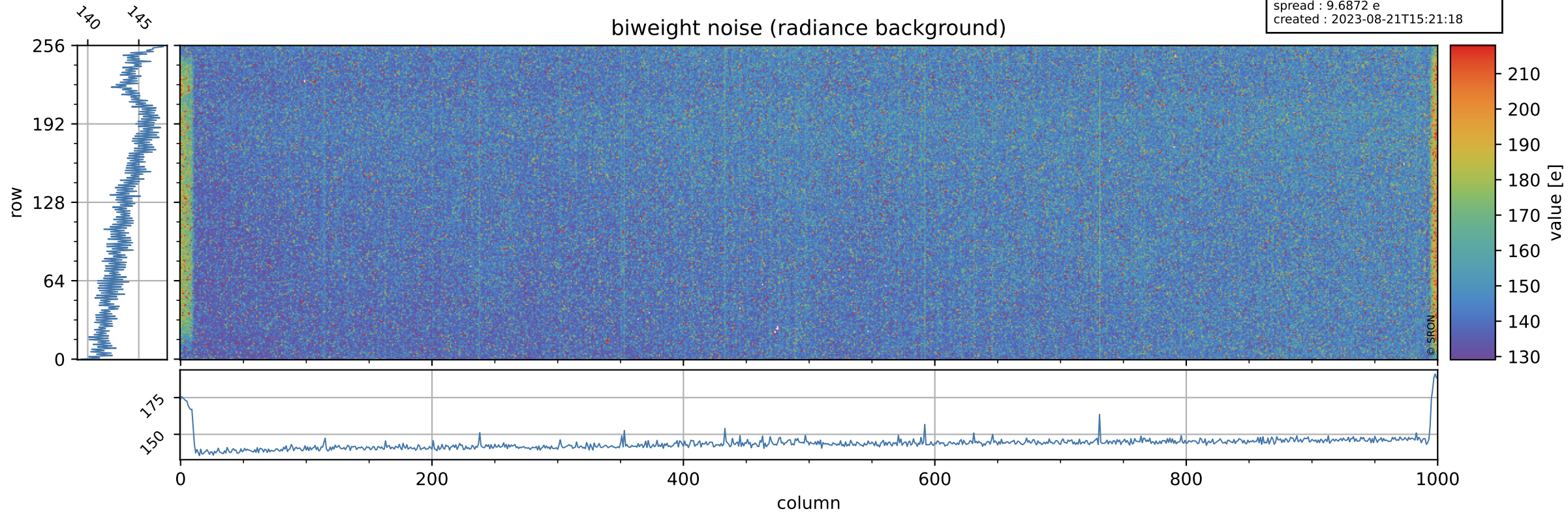
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.6872 e  
created : 2023-08-21T15:21:18

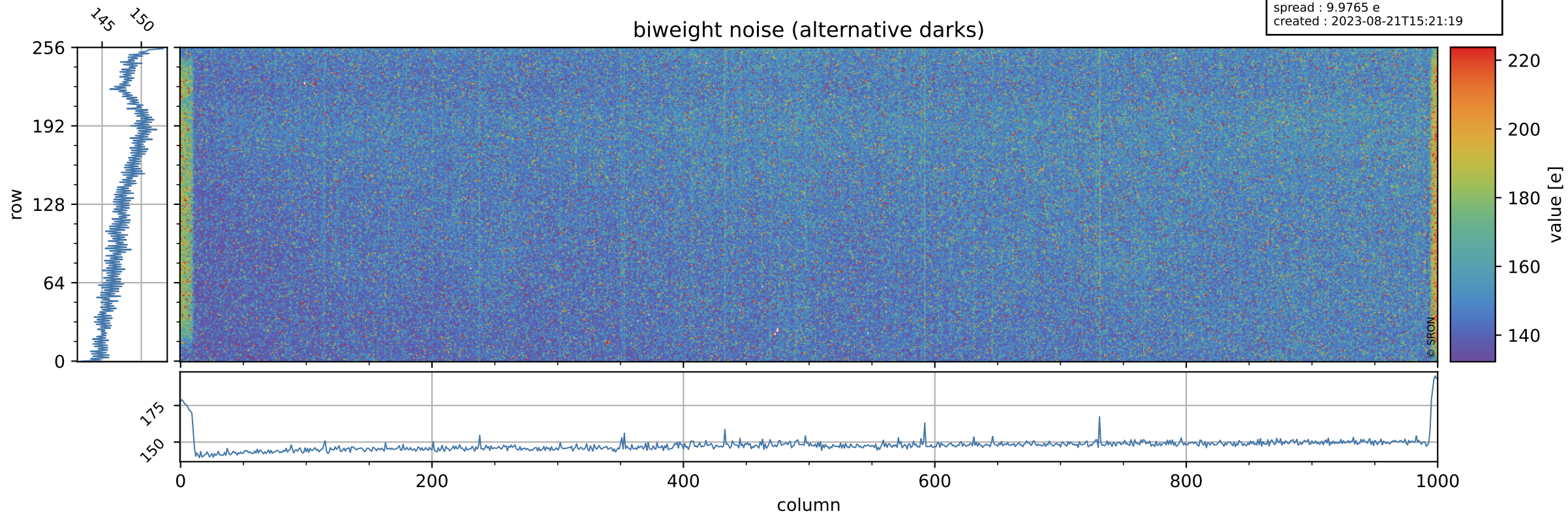
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 9.9765 e  
created : 2023-08-21T15:21:19

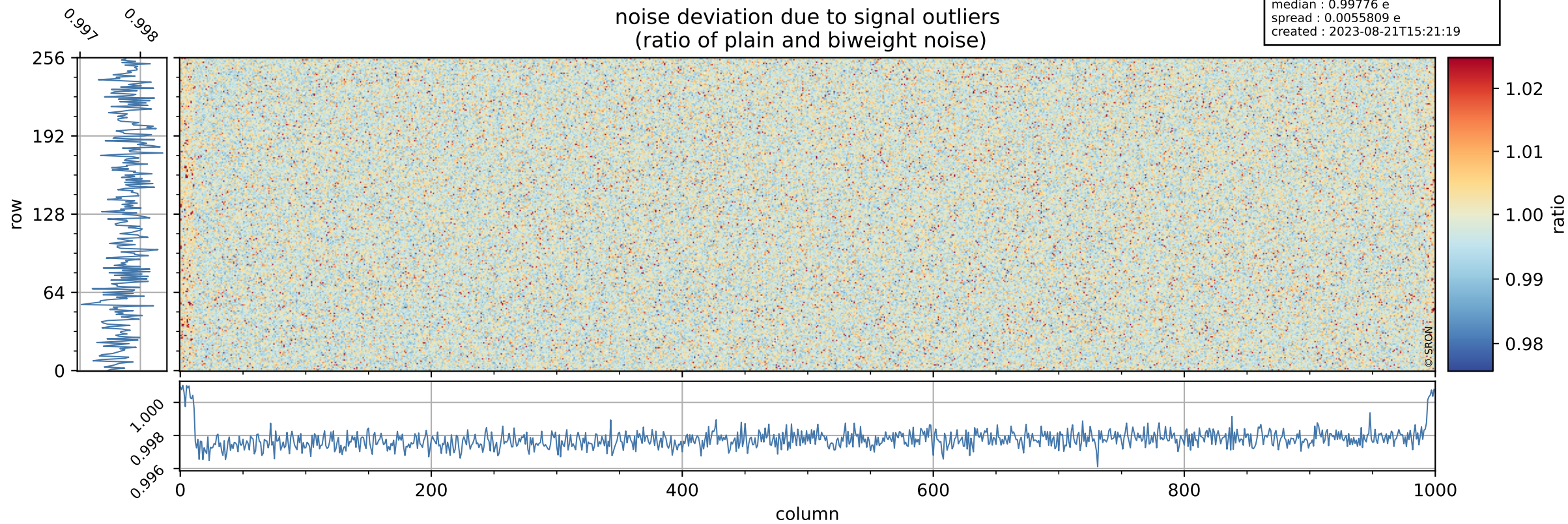
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

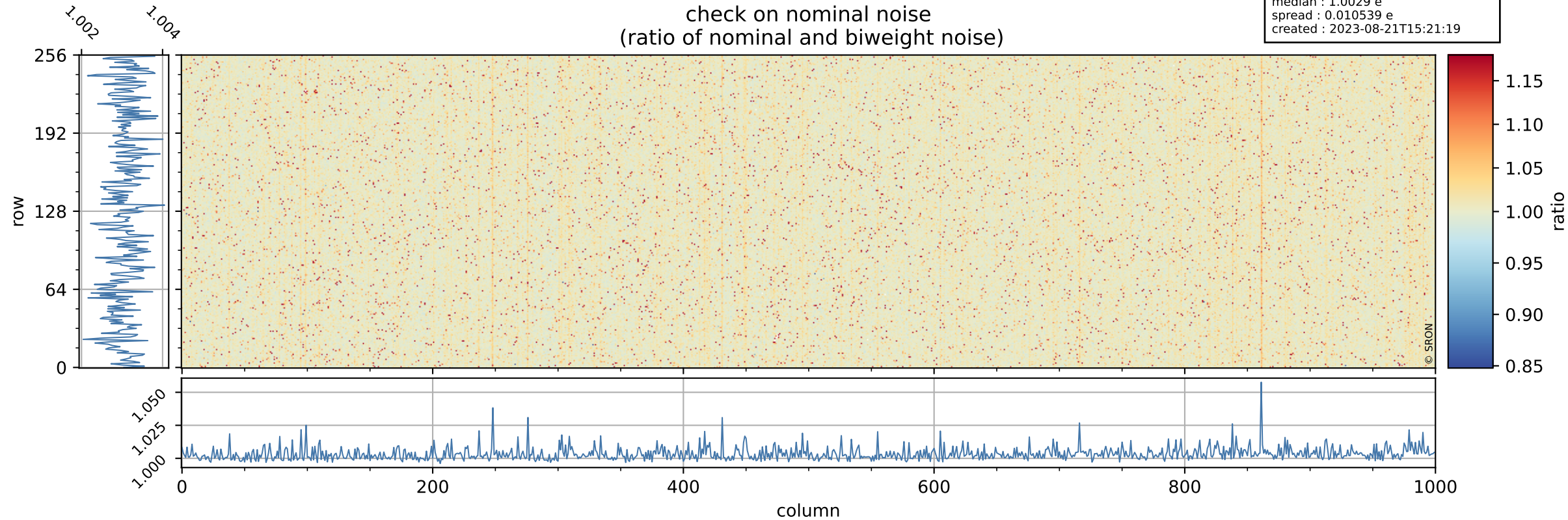
orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
median : 0.99776 e  
spread : 0.0055809 e  
created : 2023-08-21T15:21:19



# Tropomi SWIR background noise (swir)

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

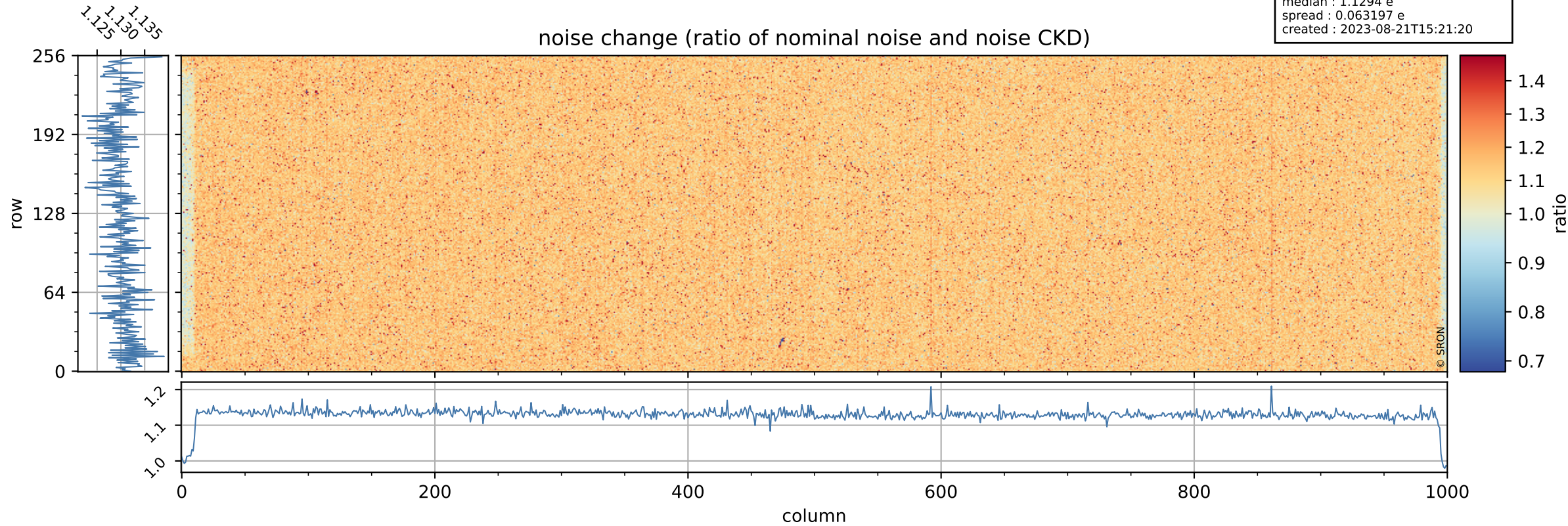
orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
median : 1.0029 e  
spread : 0.010539 e  
created : 2023-08-21T15:21:19



# Tropomi SWIR background noise (swir)

orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
median : 1.1294 e  
spread : 0.063197 e  
created : 2023-08-21T15:21:20

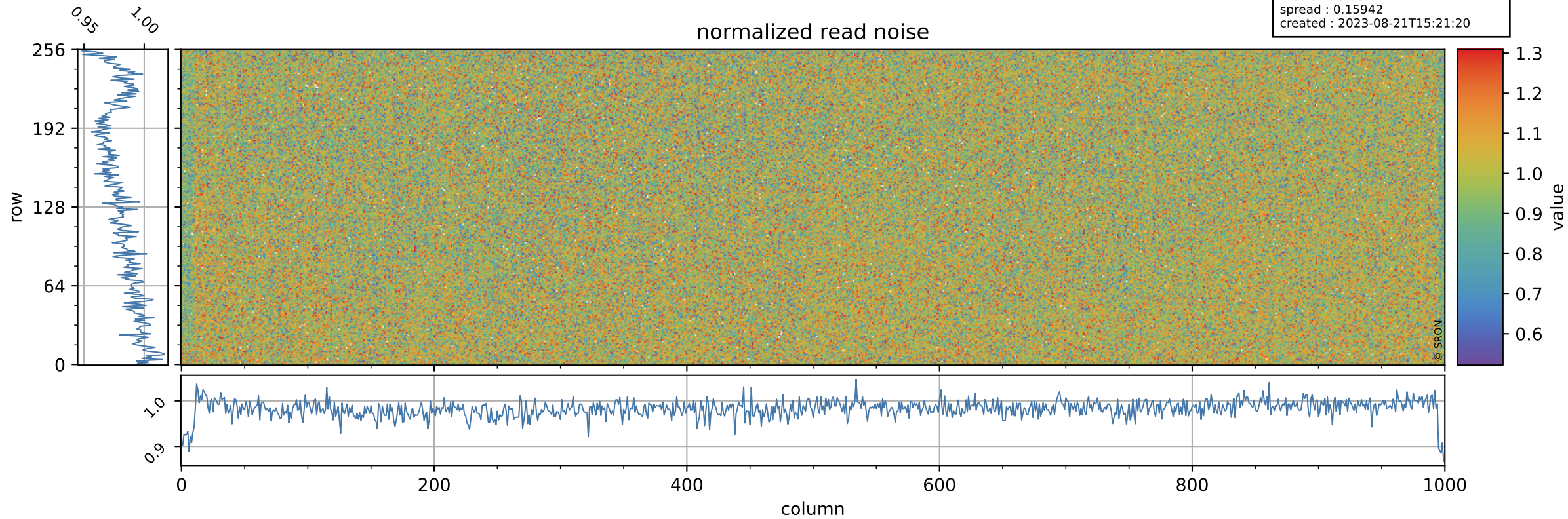
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
median : 0.98142  
spread : 0.15942  
created : 2023-08-21T15:21:20

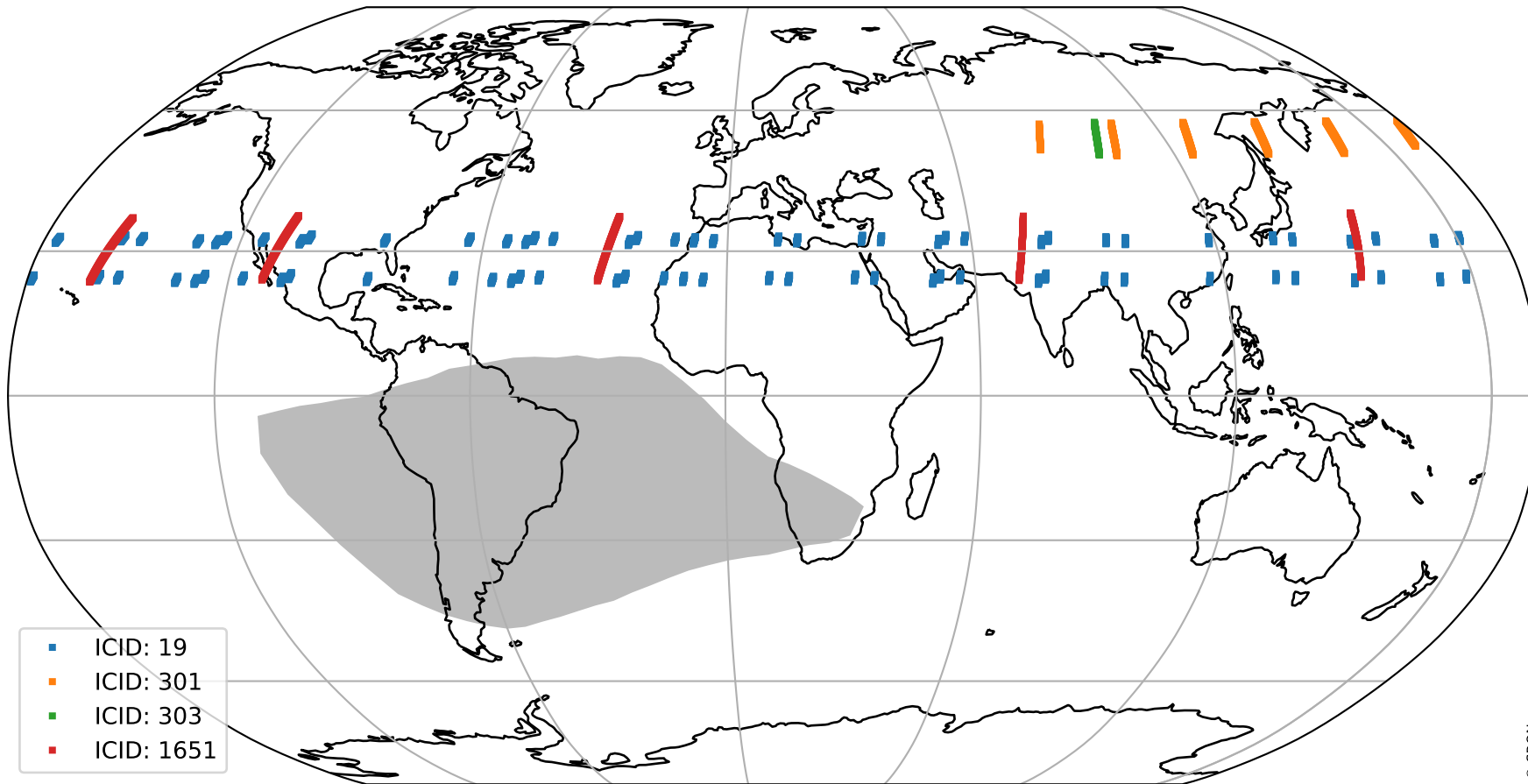
normalized read noise





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

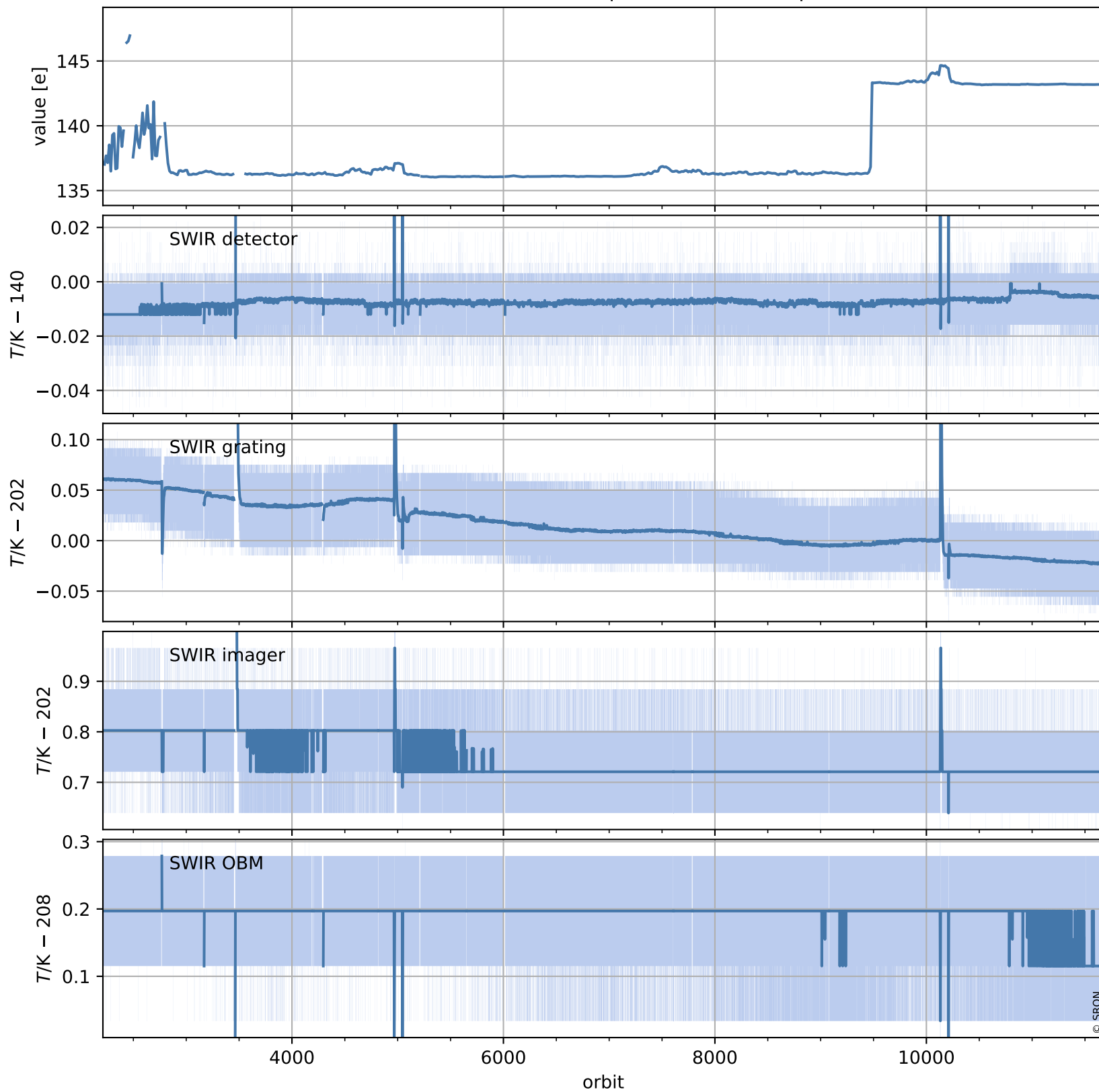
orbits : 12 in [11587, 11677]  
coverage : 2020-01-08 / 2020-01-14  
created : 2023-08-21T15:21:20



# Tropomi SWIR background noise (swir)

orbits : [2212, 11677]  
coverage : 2018-03-18 / 2020-01-14  
created : 2023-08-21T15:21:21

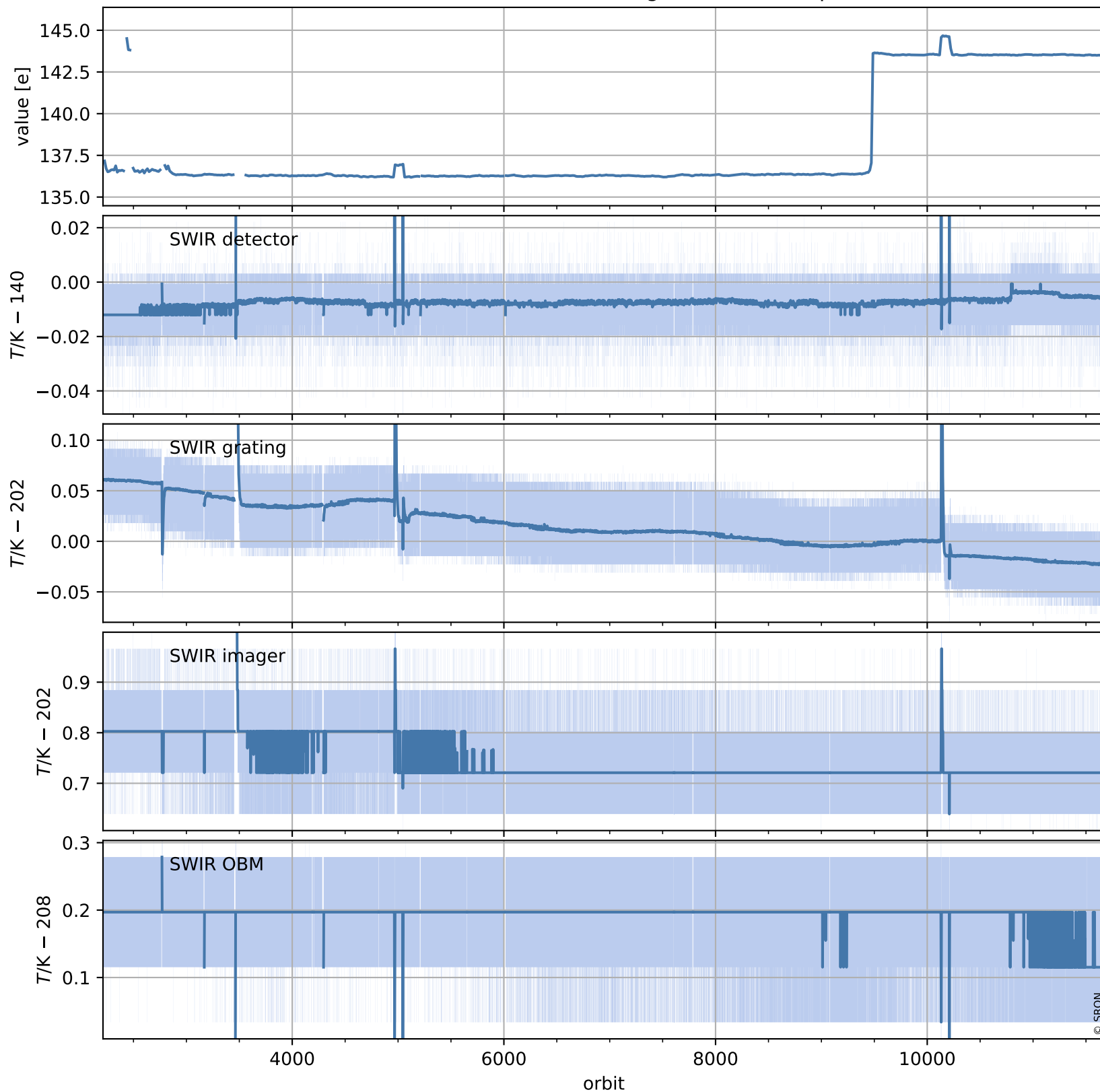
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11677]  
coverage : 2018-03-18 / 2020-01-14  
created : 2023-08-21T15:21:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11677]  
coverage : 2018-03-18 / 2020-01-14  
created : 2023-08-21T15:21:22

## trend of normalized read-noise & temperatures

