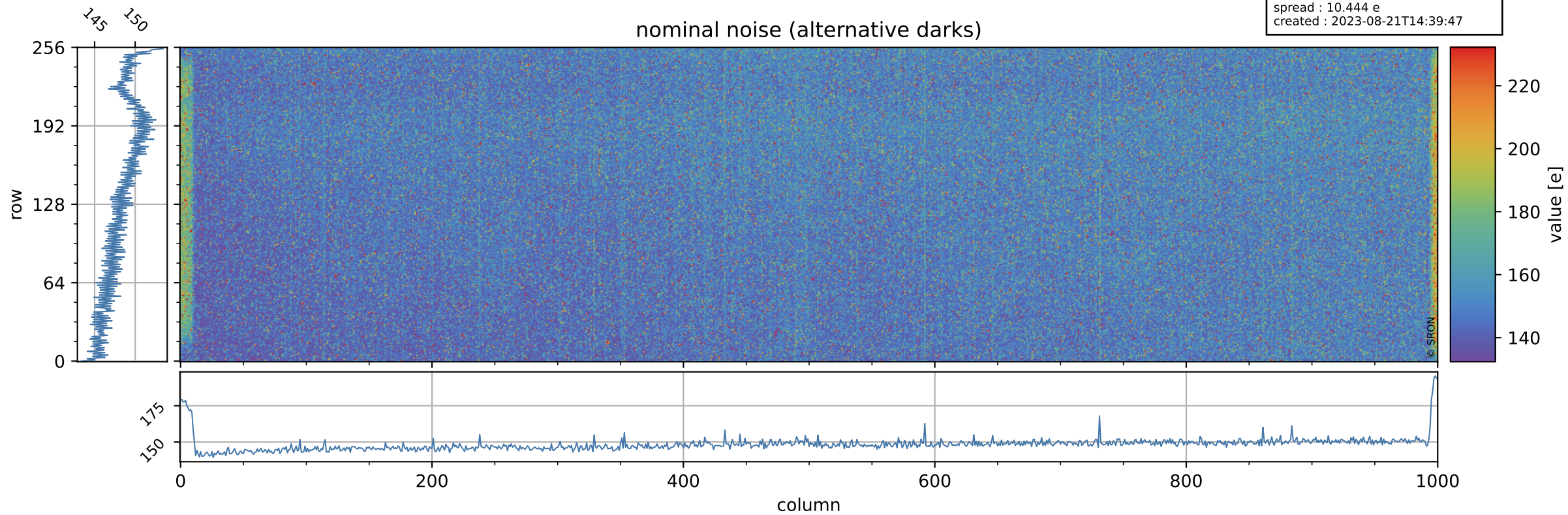


# Tropomi SWIR background noise (swir)

orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.23 e  
spread : 10.444 e  
created : 2023-08-21T14:39:47

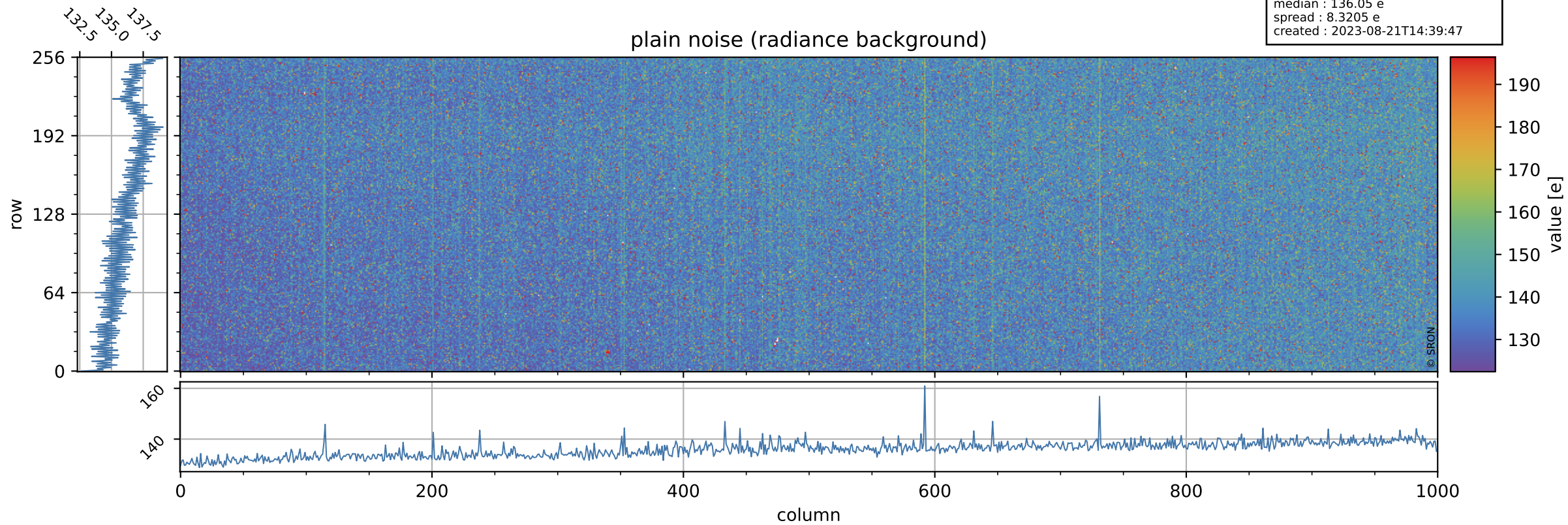
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.05 e  
spread : 8.3205 e  
created : 2023-08-21T14:39:47

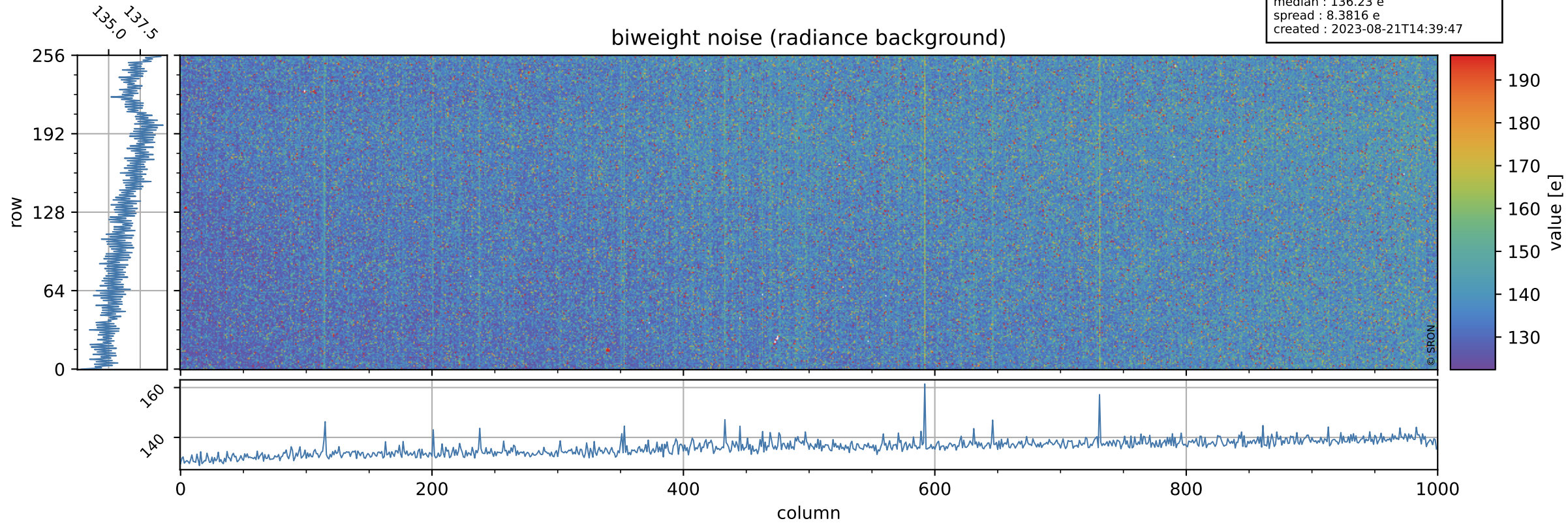
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.3816 e  
created : 2023-08-21T14:39:47

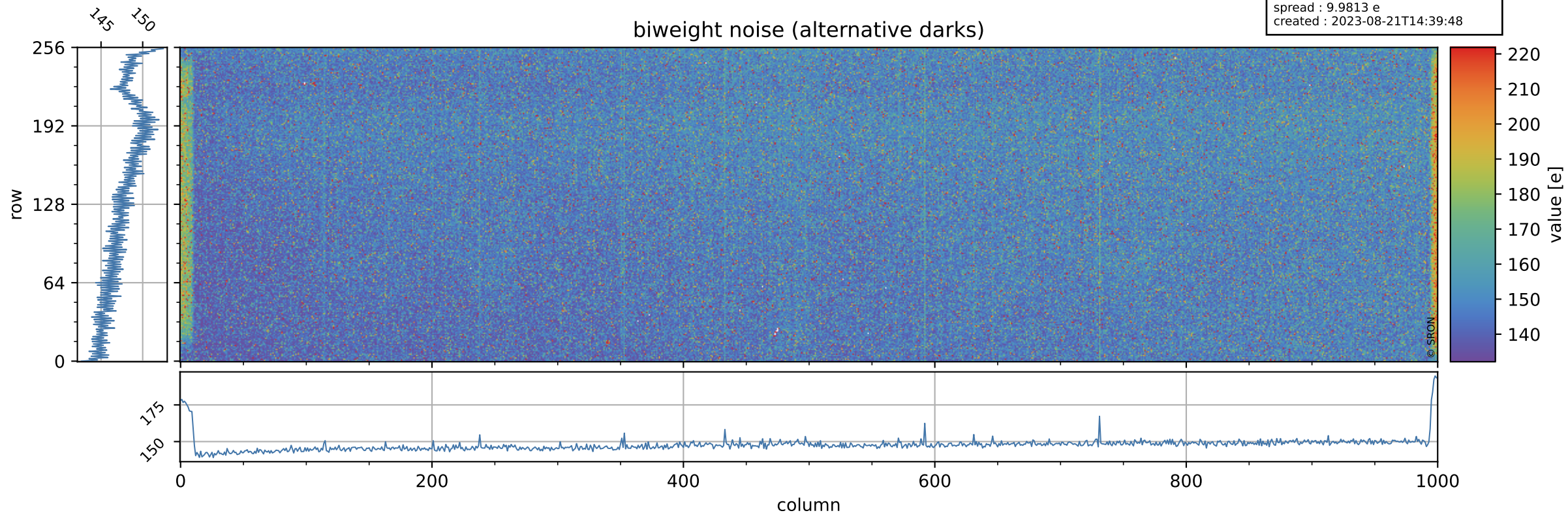
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 9.9813 e  
created : 2023-08-21T14:39:48

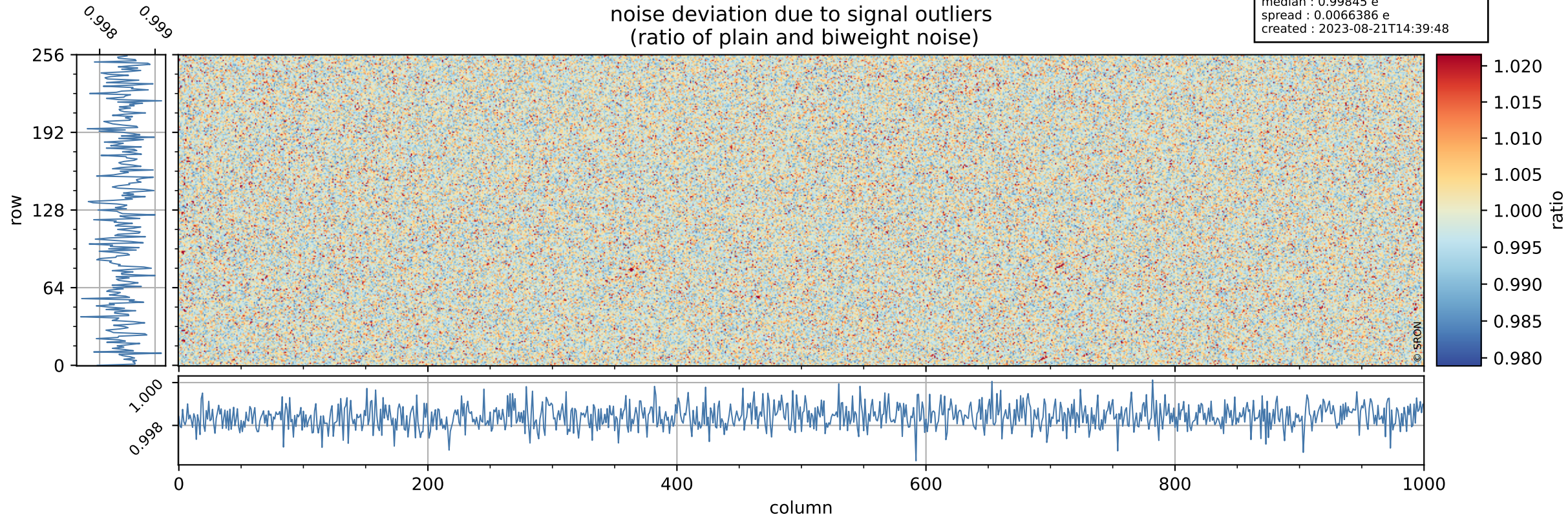
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

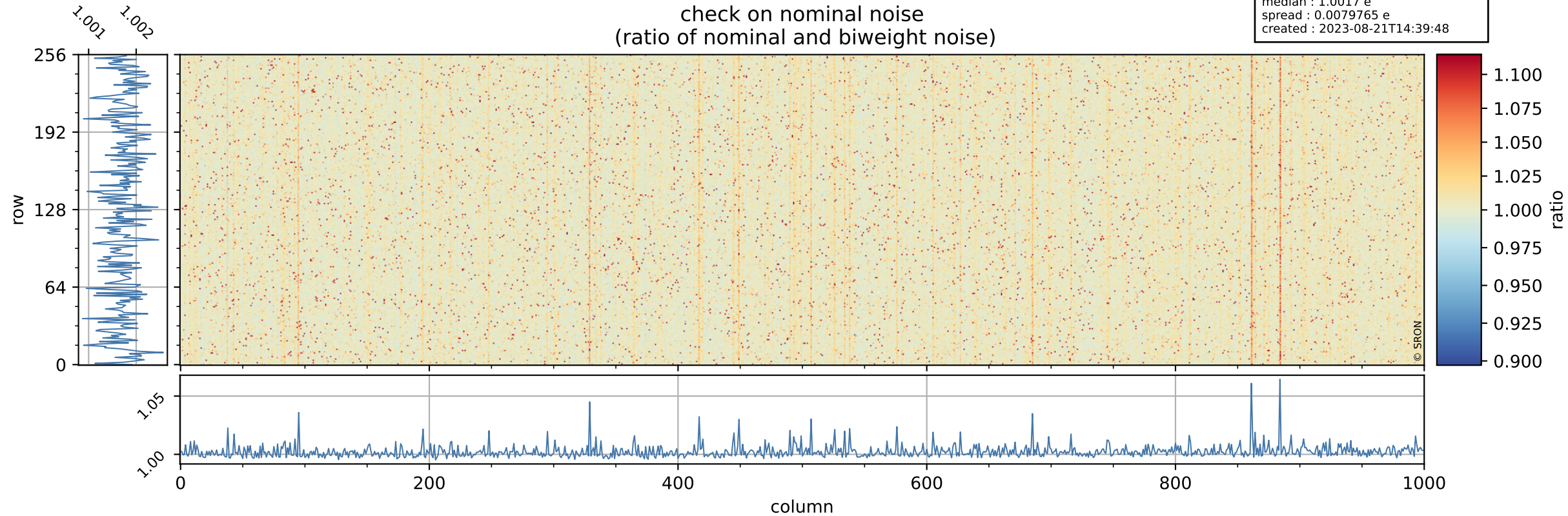
orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
median : 0.99845 e  
spread : 0.0066386 e  
created : 2023-08-21T14:39:48



# Tropomi SWIR background noise (swir)

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

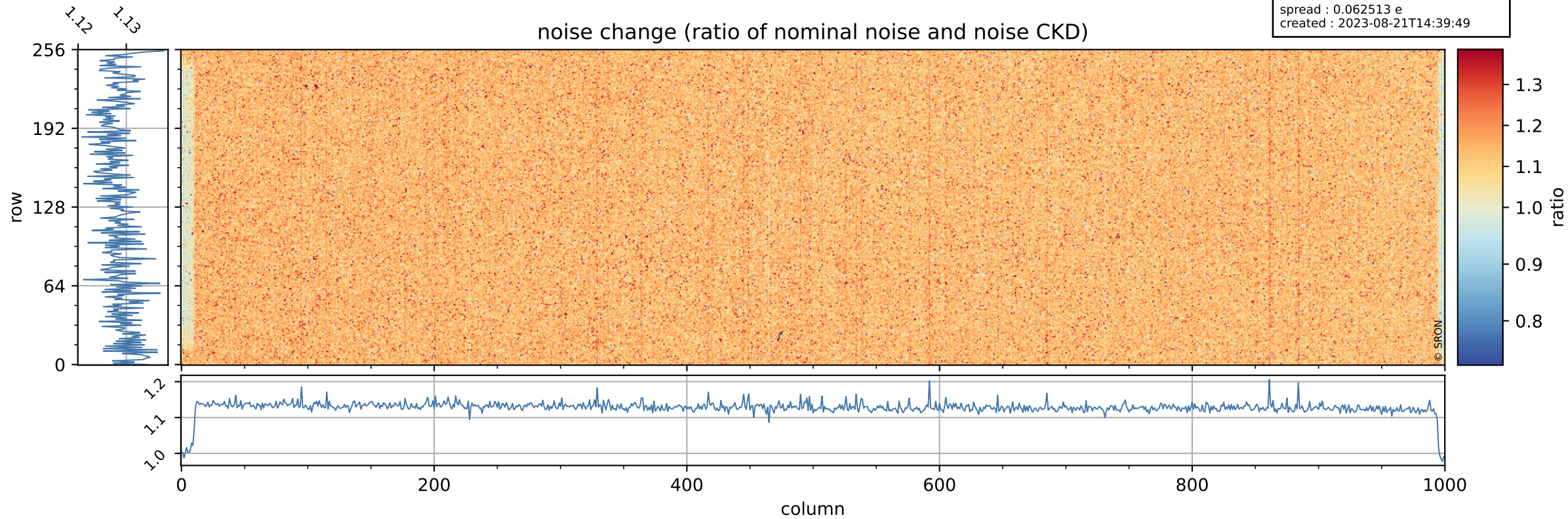
orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
median : 1.0017 e  
spread : 0.0079765 e  
created : 2023-08-21T14:39:48



# Tropomi SWIR background noise (swir)

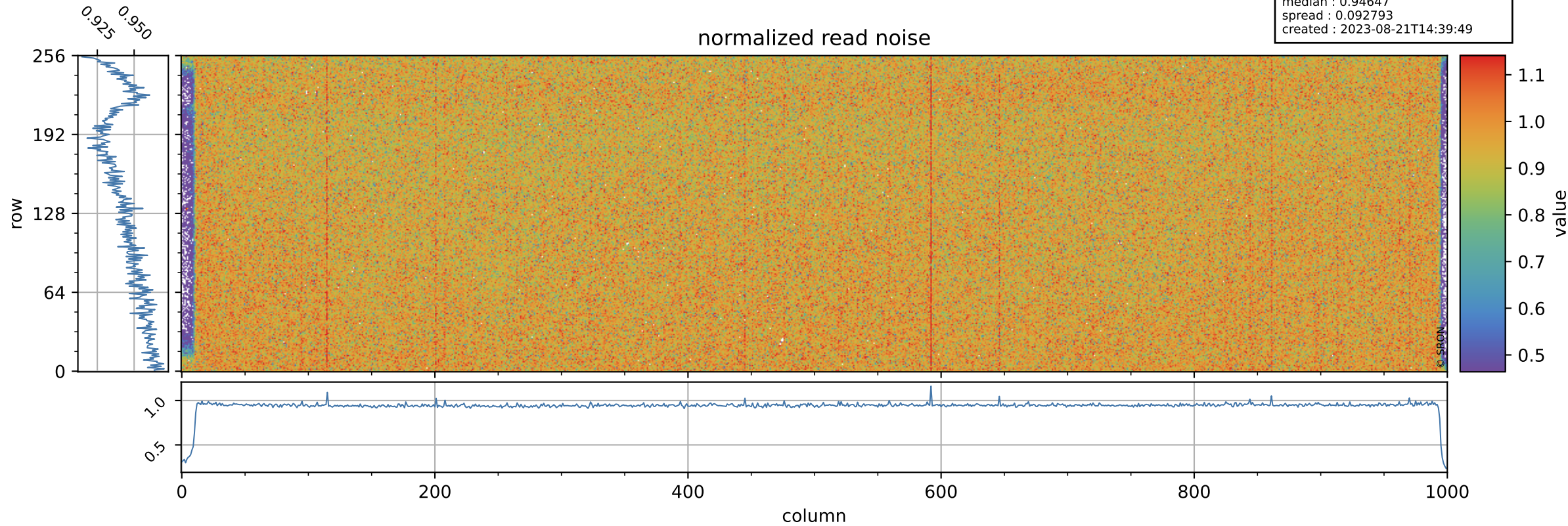
orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
median : 1.1279 e  
spread : 0.062513 e  
created : 2023-08-21T14:39:49

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

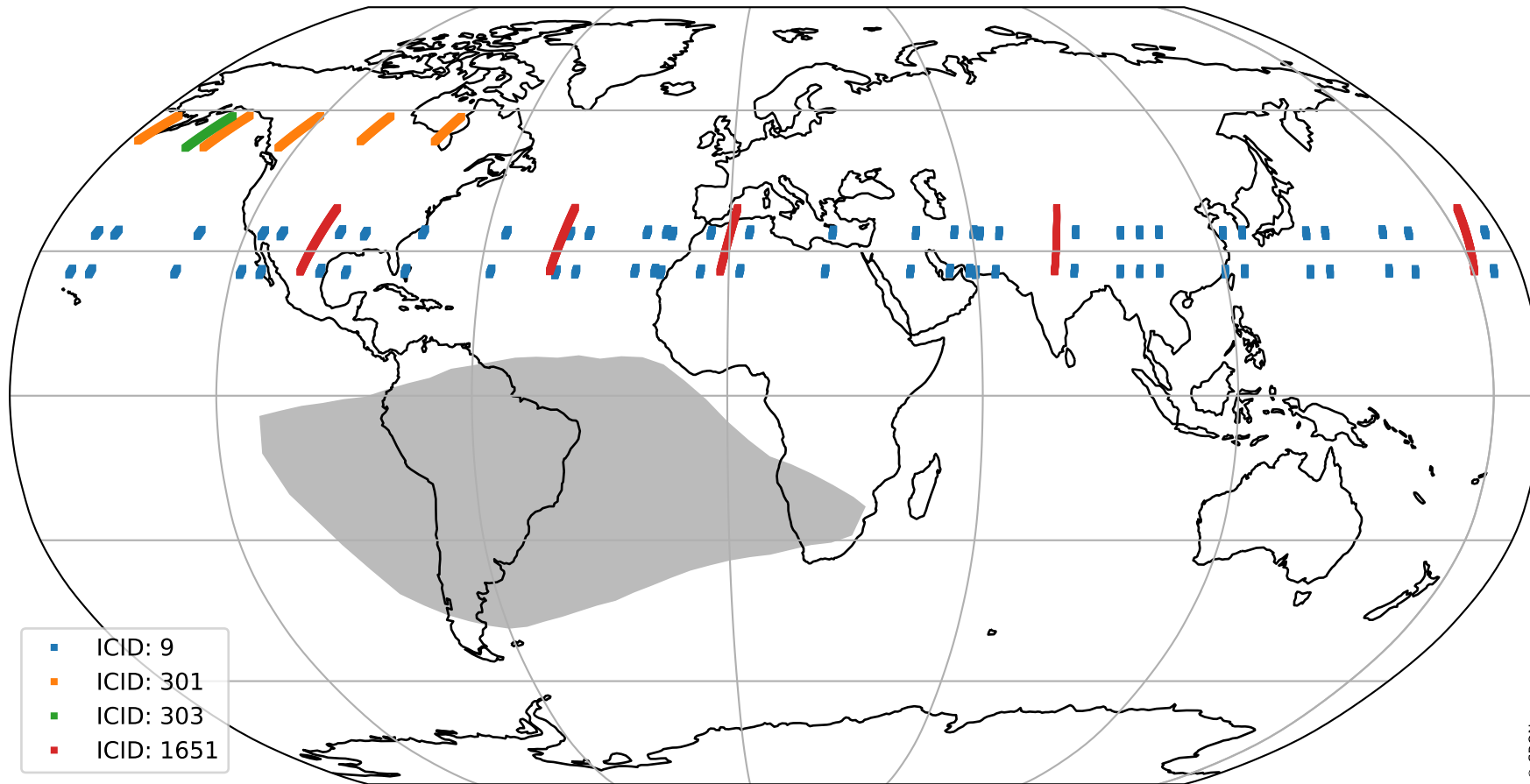
orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
median : 0.94647  
spread : 0.092793  
created : 2023-08-21T14:39:49





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

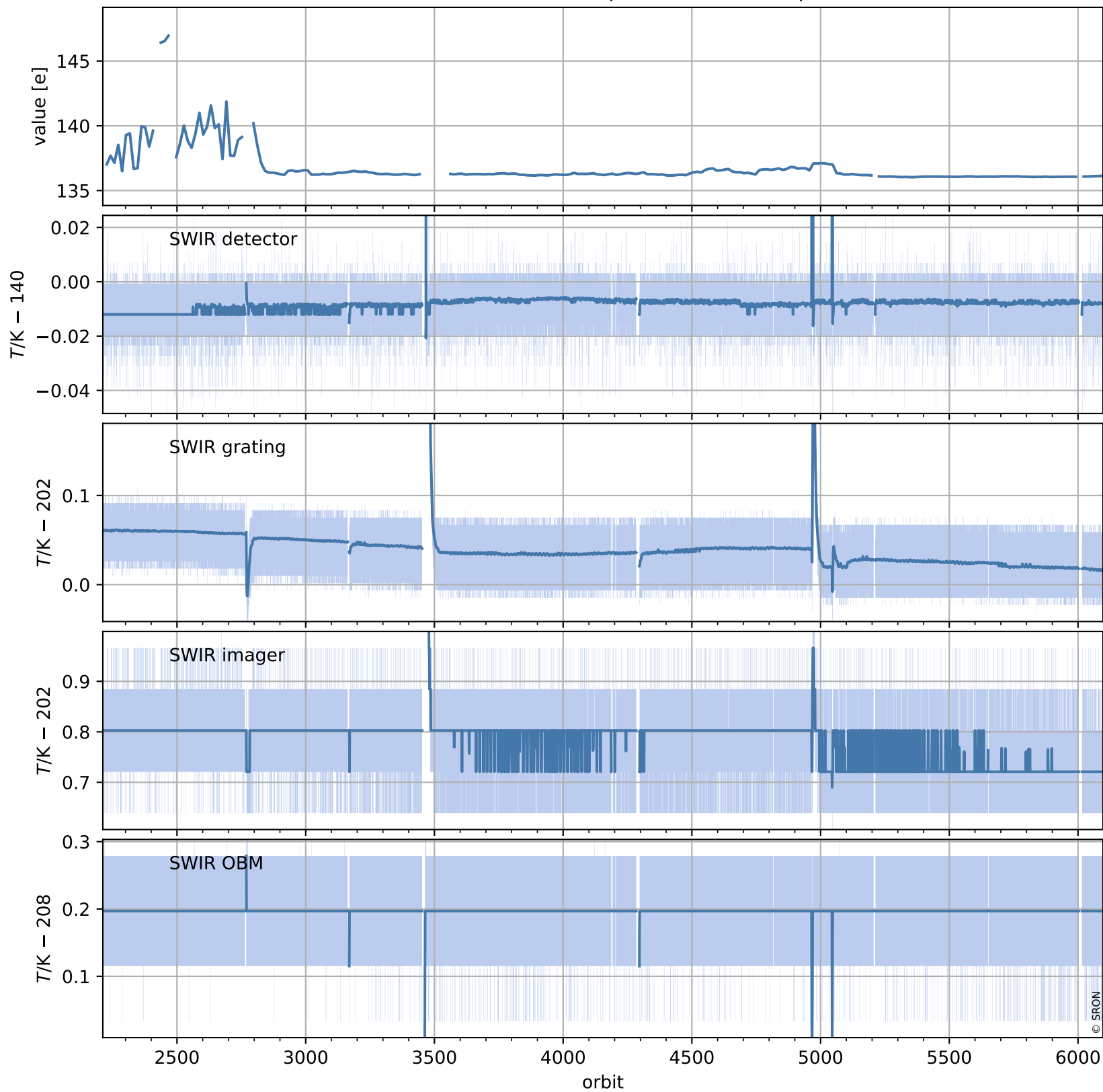
orbits : 11 in [6022, 6097]  
coverage : 2018-12-12 / 2018-12-17  
created : 2023-08-21T14:39:49



# Tropomi SWIR background noise (swir)

orbits : [2212, 6097]  
coverage : 2018-03-18 / 2018-12-17  
created : 2023-08-21T14:39:49

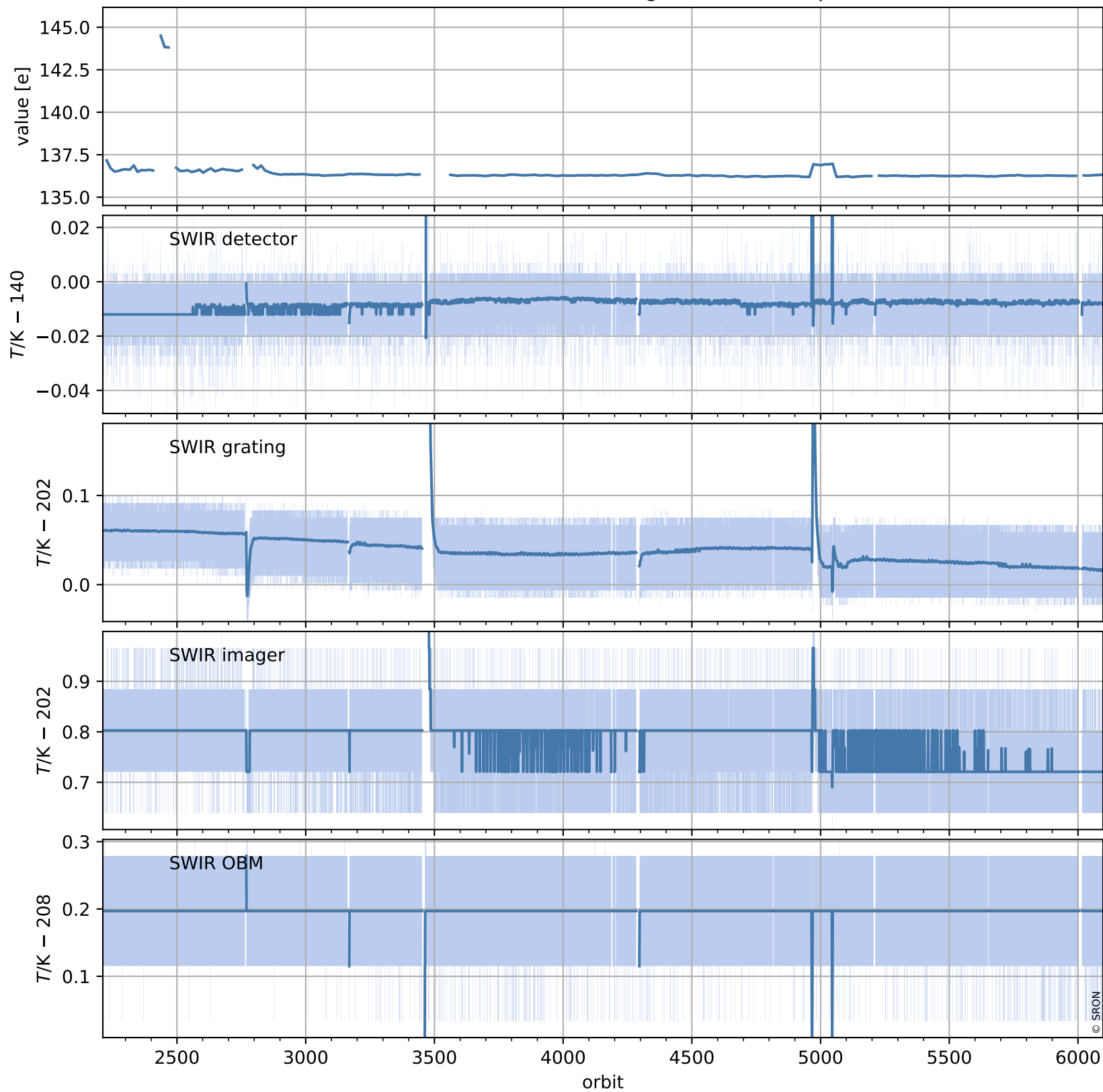
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6097]  
coverage : 2018-03-18 / 2018-12-17  
created : 2023-08-21T14:39:50

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6097]  
coverage : 2018-03-18 / 2018-12-17  
created : 2023-08-21T14:39:51

## trend of normalized read-noise & temperatures

