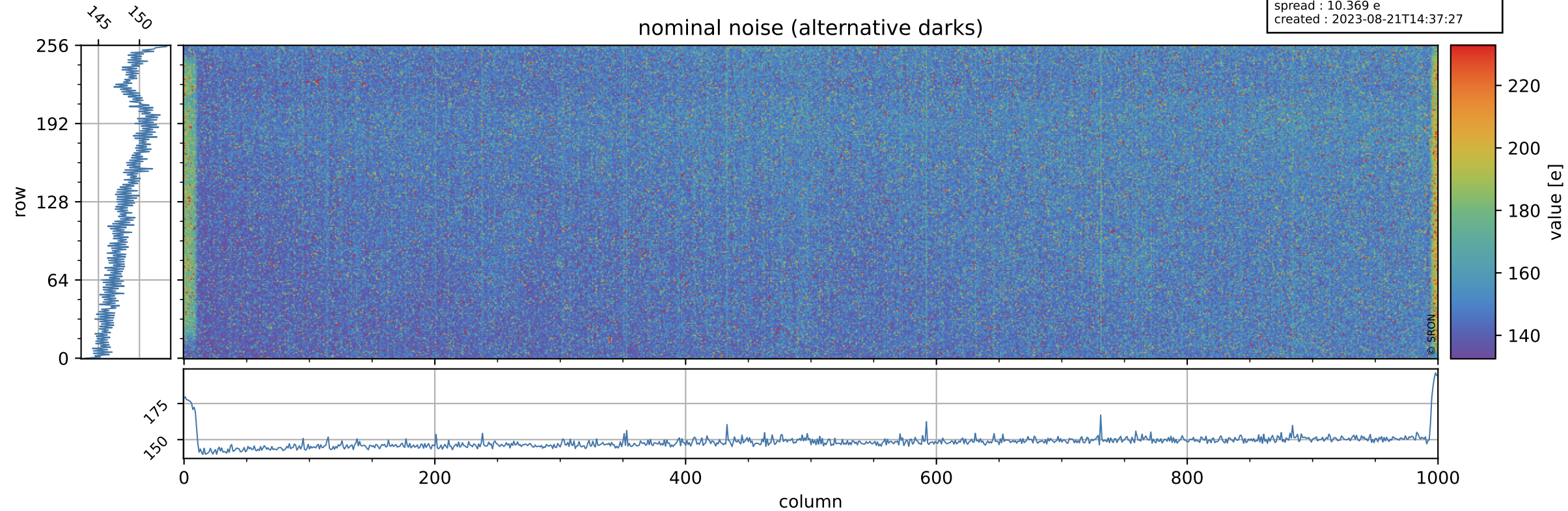


# Tropomi SWIR background noise (swir)

orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.3 e  
spread : 10.369 e  
created : 2023-08-21T14:37:27

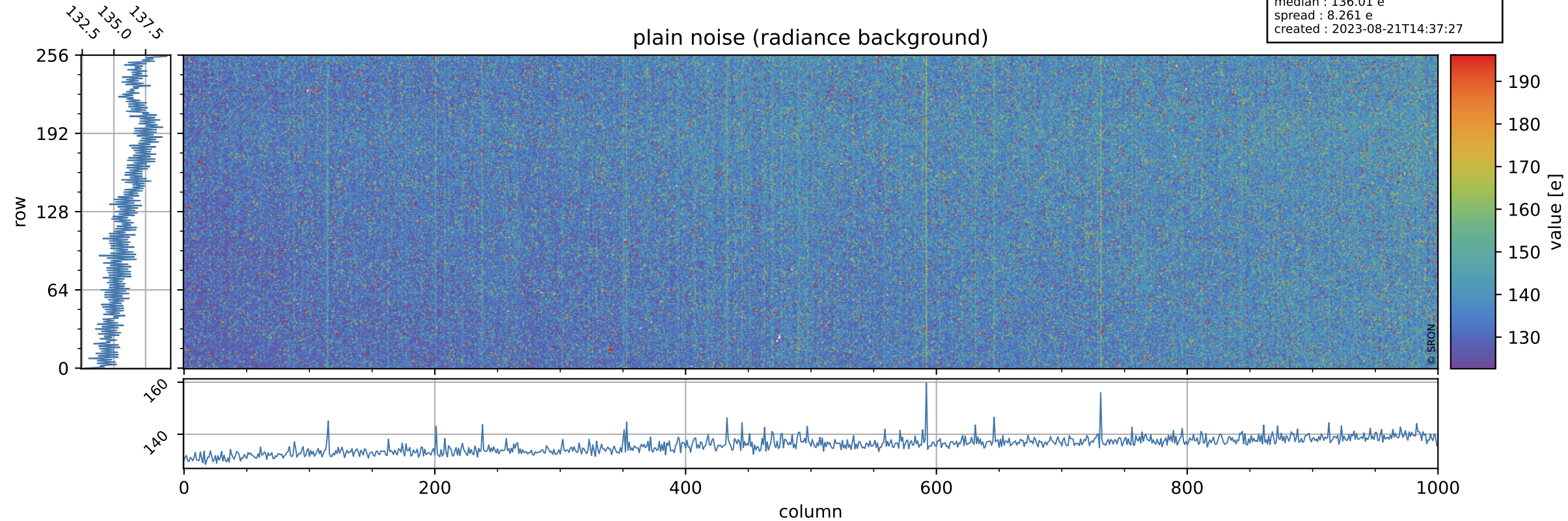
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
n\_coad, t\_exp : 2, 0.5383  
median : 136.01 e  
spread : 8.261 e  
created : 2023-08-21T14:37:27

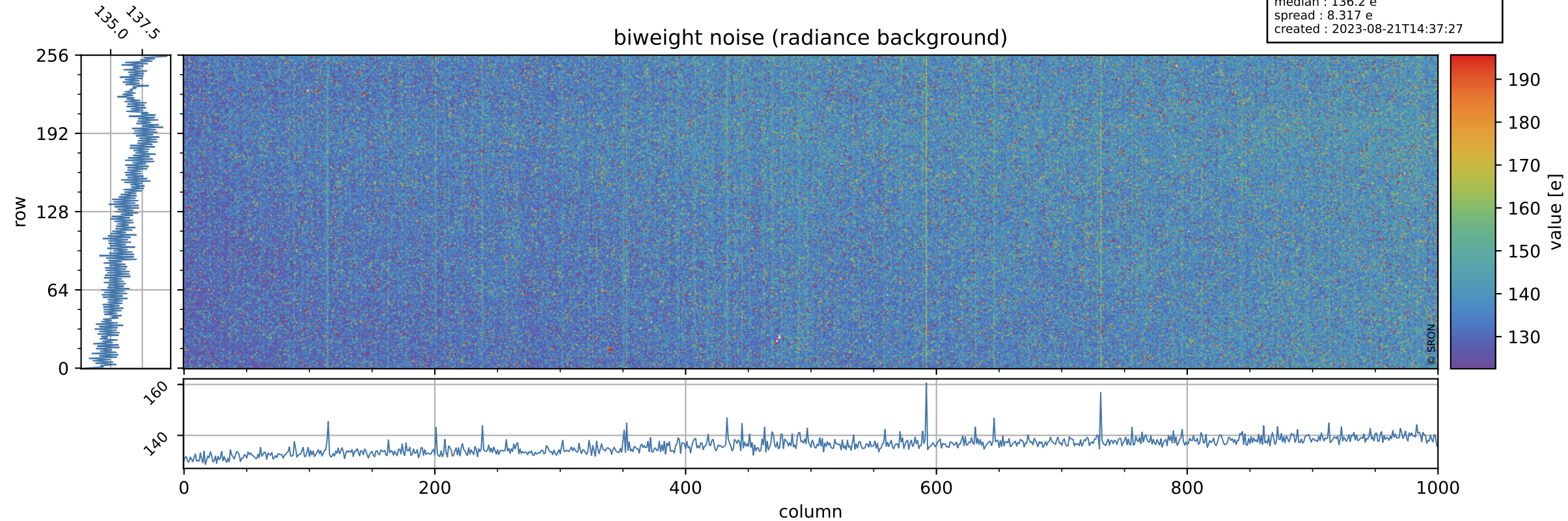
plain noise (radiance background)





# Tropomi SWIR background noise (swir)

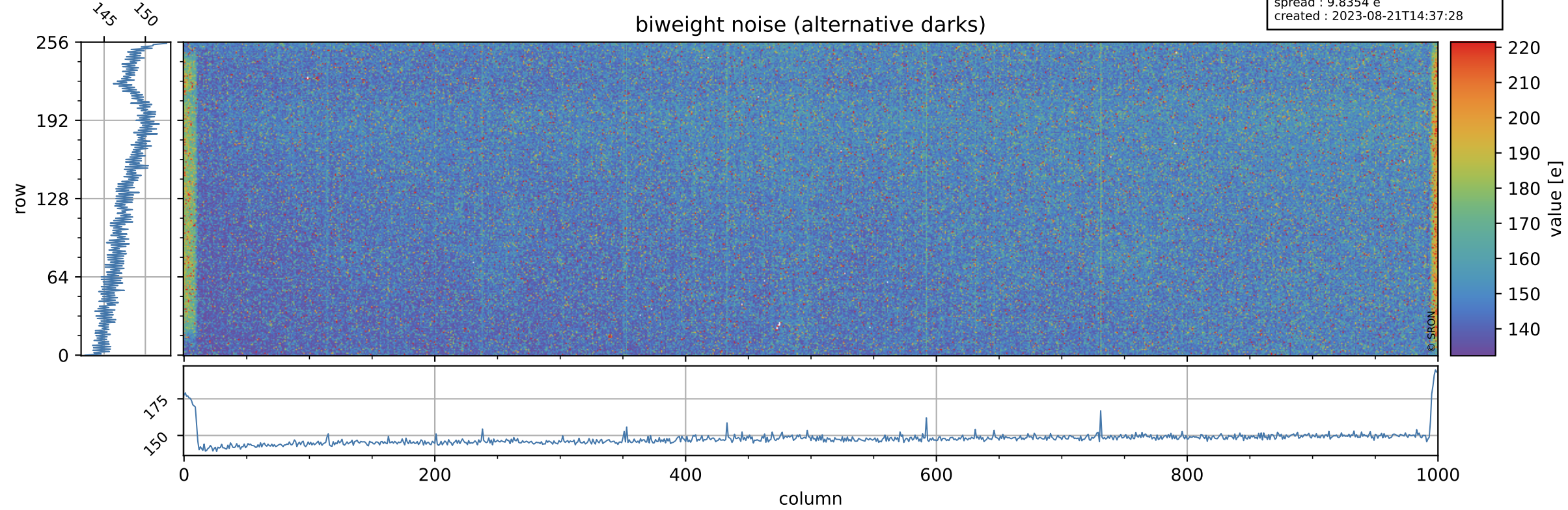
biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.8354 e  
created : 2023-08-21T14:37:28

biweight noise (alternative darks)

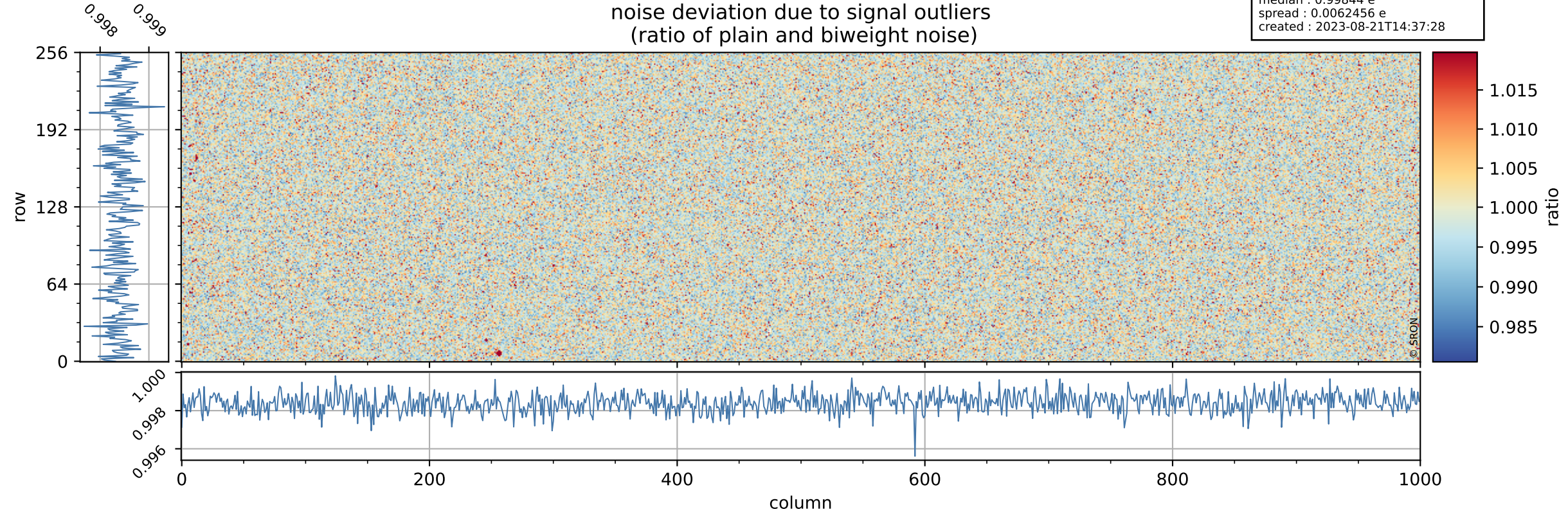




# Tropomi SWIR background noise (swir)

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

orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
median : 0.99844 e  
spread : 0.0062456 e  
created : 2023-08-21T14:37:28

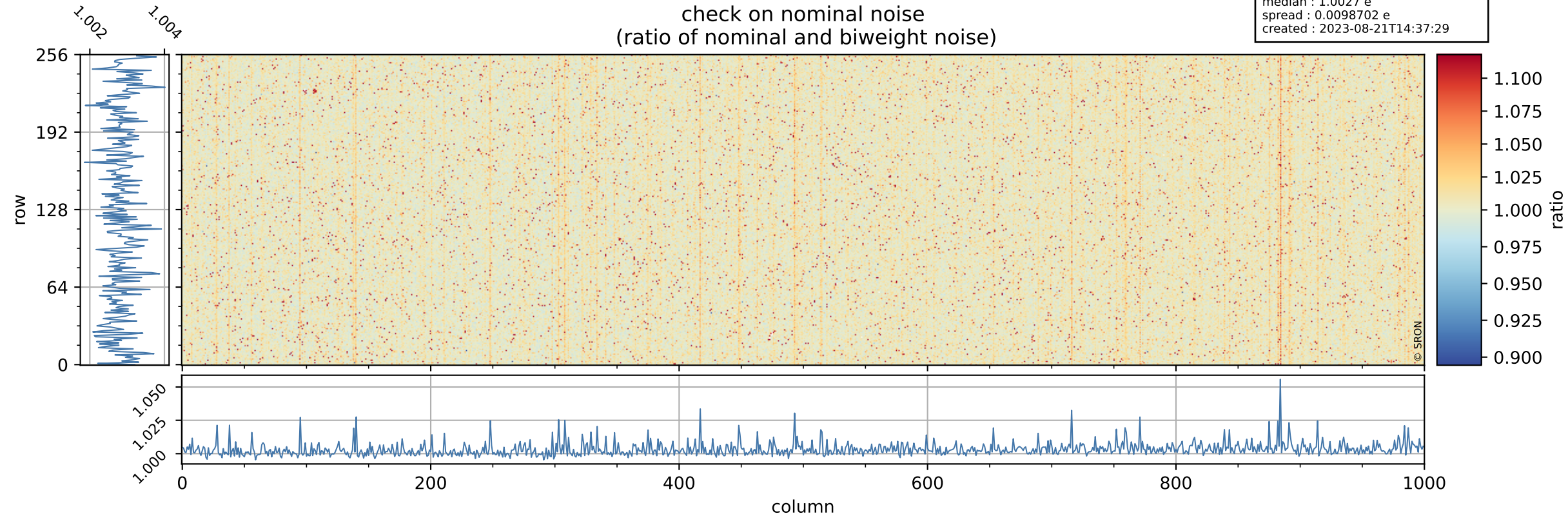




# Tropomi SWIR background noise (swir)

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

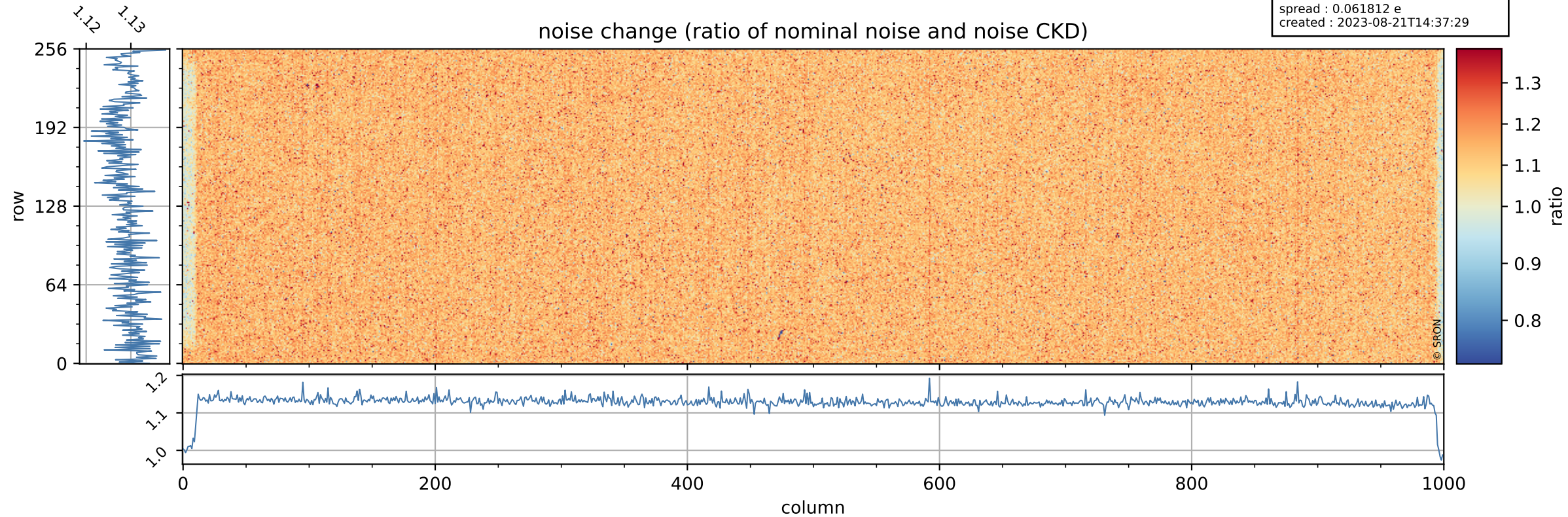
orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
median : 1.0027 e  
spread : 0.0098702 e  
created : 2023-08-21T14:37:29



# Tropomi SWIR background noise (swir)

orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
median : 1.1286 e  
spread : 0.061812 e  
created : 2023-08-21T14:37:29

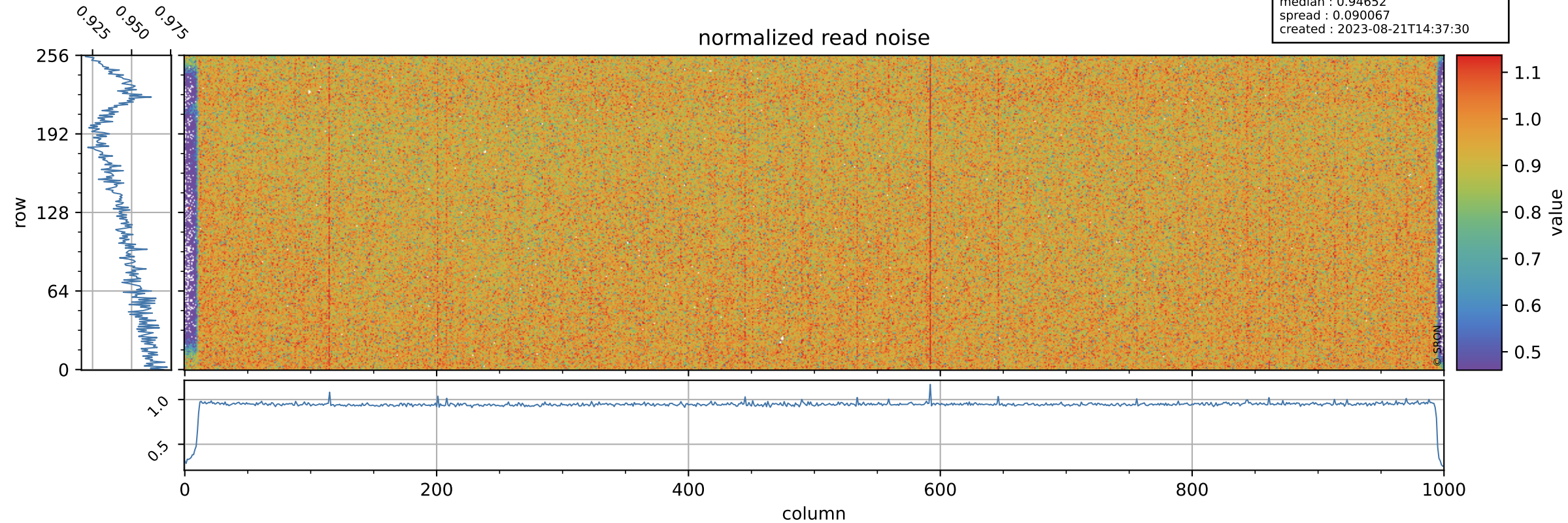
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

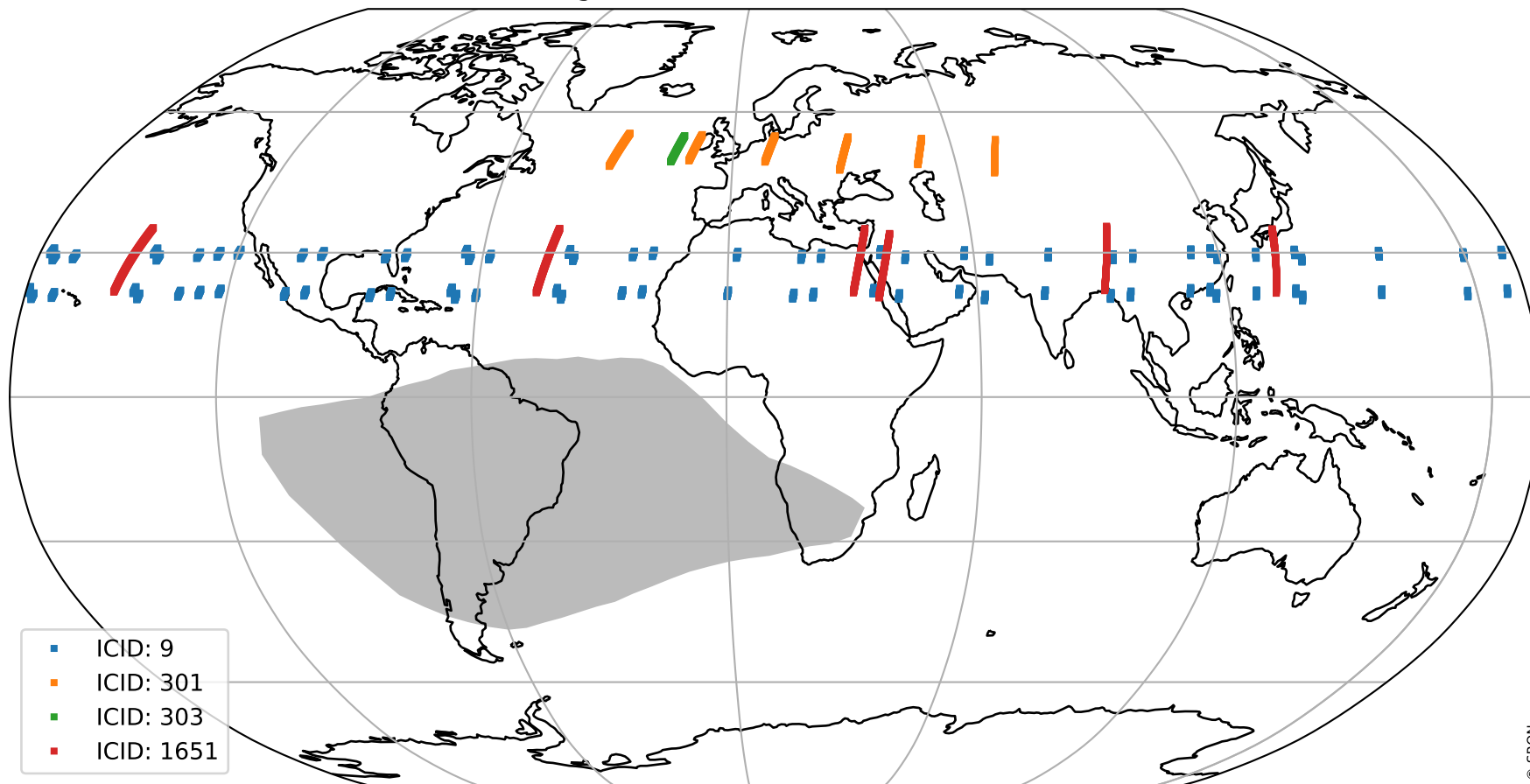
orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
median : 0.94652  
spread : 0.090067  
created : 2023-08-21T14:37:30





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

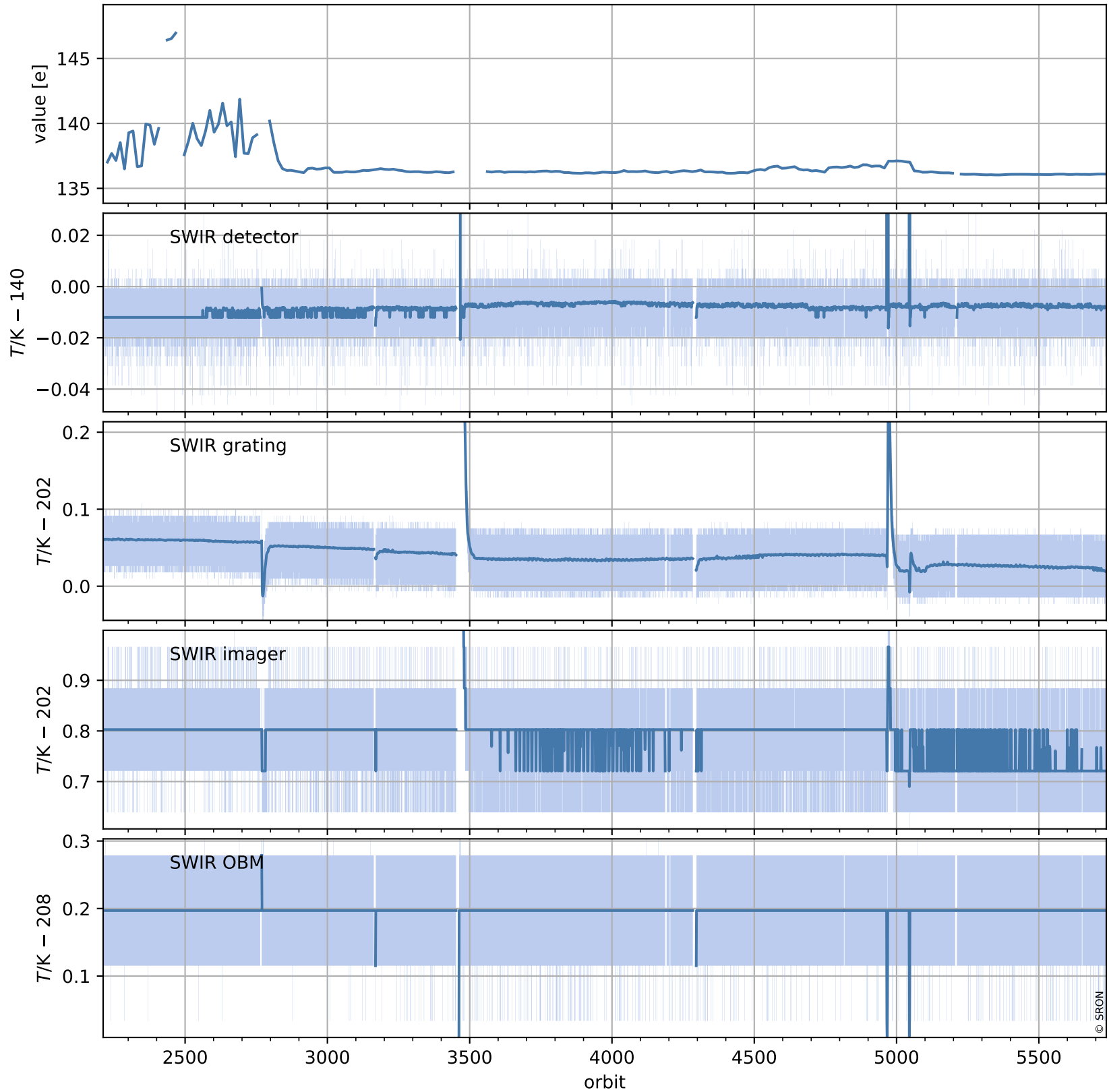
orbits : 13 in [5647, 5737]  
coverage : 2018-11-15 / 2018-11-21  
created : 2023-08-21T14:37:30



# Tropomi SWIR background noise (swir)

orbits : [2212, 5737]  
coverage : 2018-03-18 / 2018-11-21  
created : 2023-08-21T14:37:31

trend of detector median of plain noise & temperatures

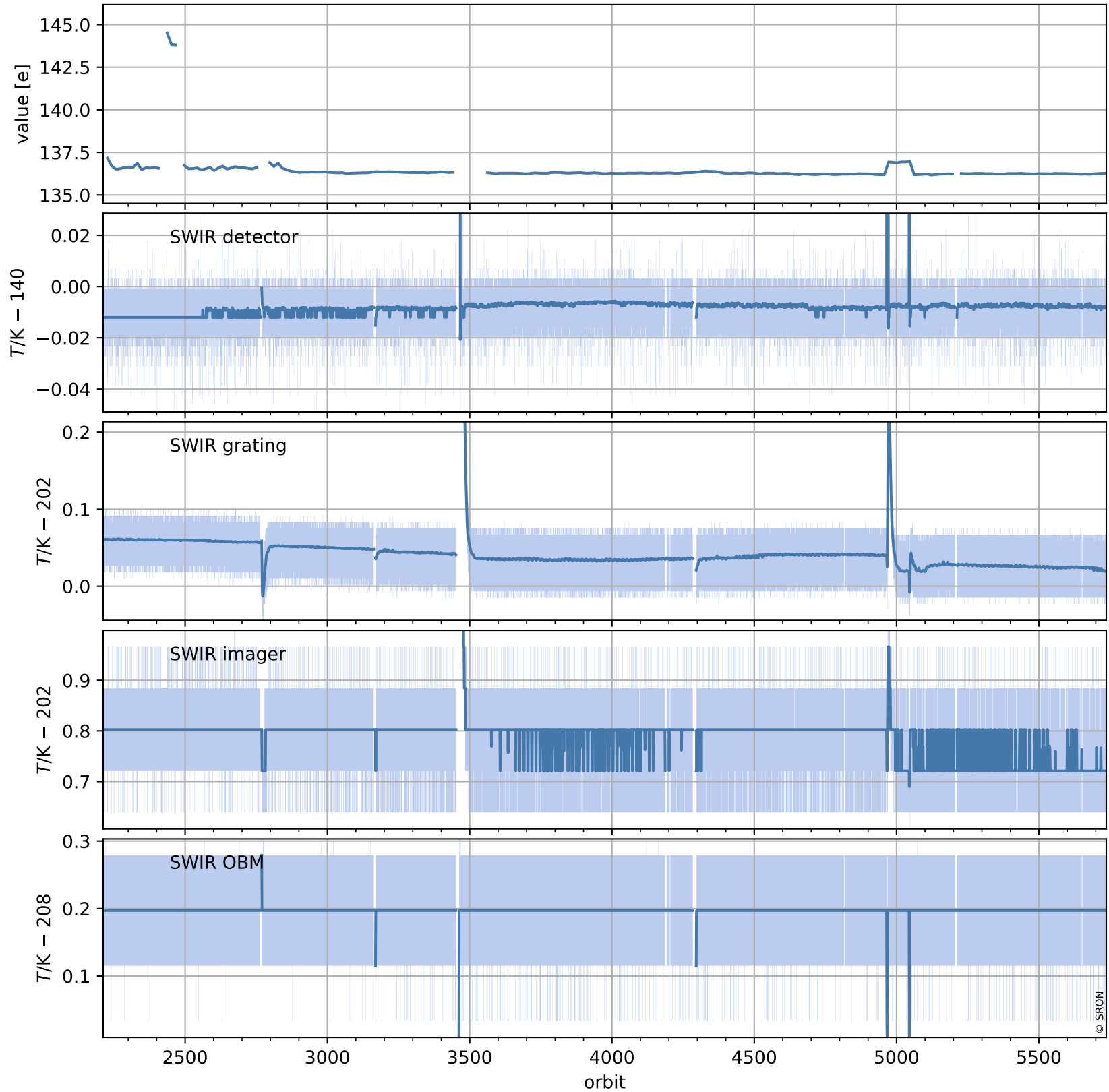




# Tropomi SWIR background noise (swir)

orbits : [2212, 5737]  
coverage : 2018-03-18 / 2018-11-21  
created : 2023-08-21T14:37:32

trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5737]  
coverage : 2018-03-18 / 2018-11-21  
created : 2023-08-21T14:37:33

trend of normalized read-noise & temperatures

