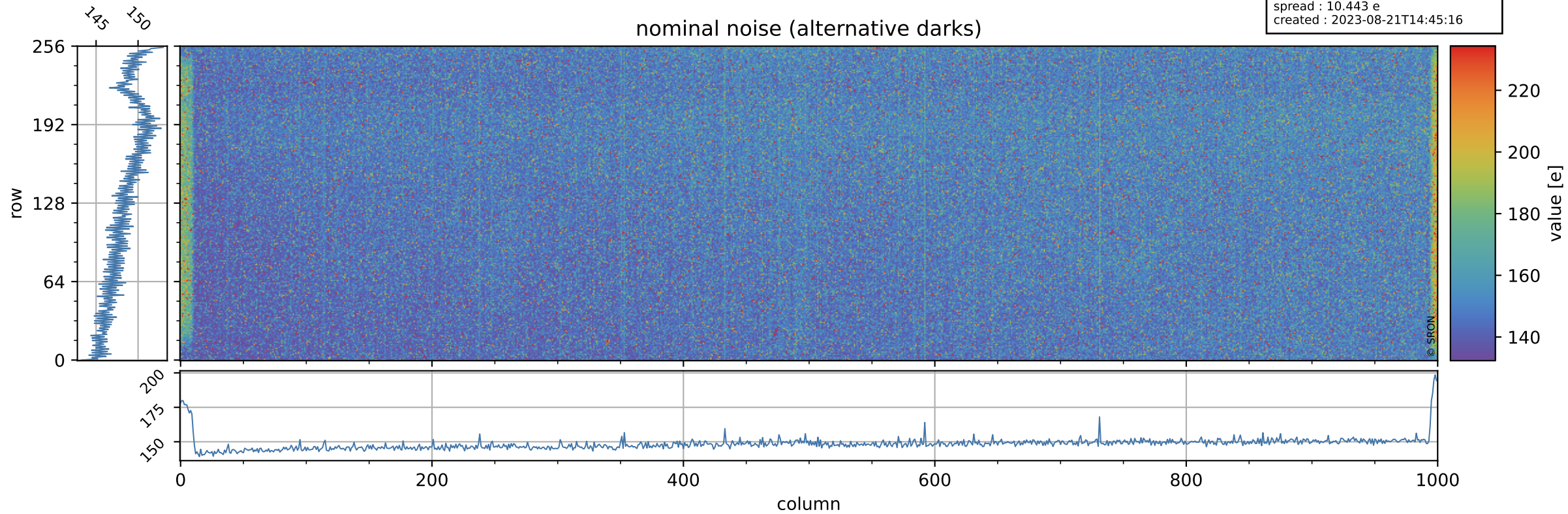


# Tropomi SWIR background noise (swir)

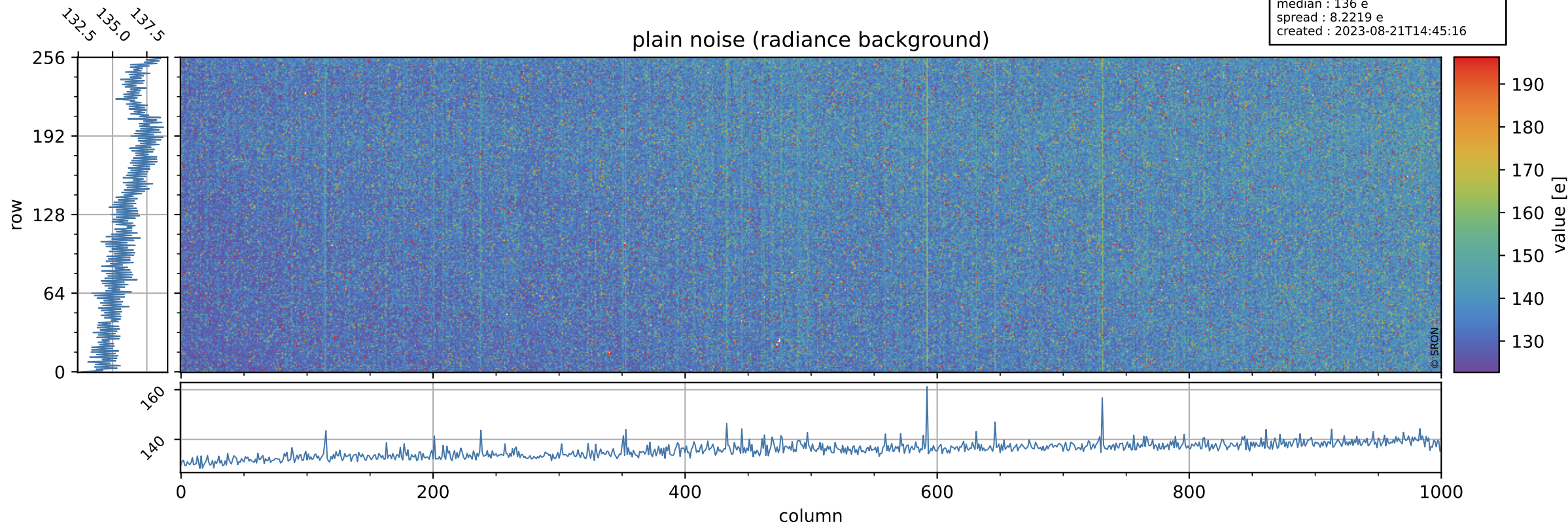
orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.443 e  
created : 2023-08-21T14:45:16



# Tropomi SWIR background noise (swir)

orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
n\_coad, t\_exp : 2, 0.5383  
median : 136 e  
spread : 8.2219 e  
created : 2023-08-21T14:45:16

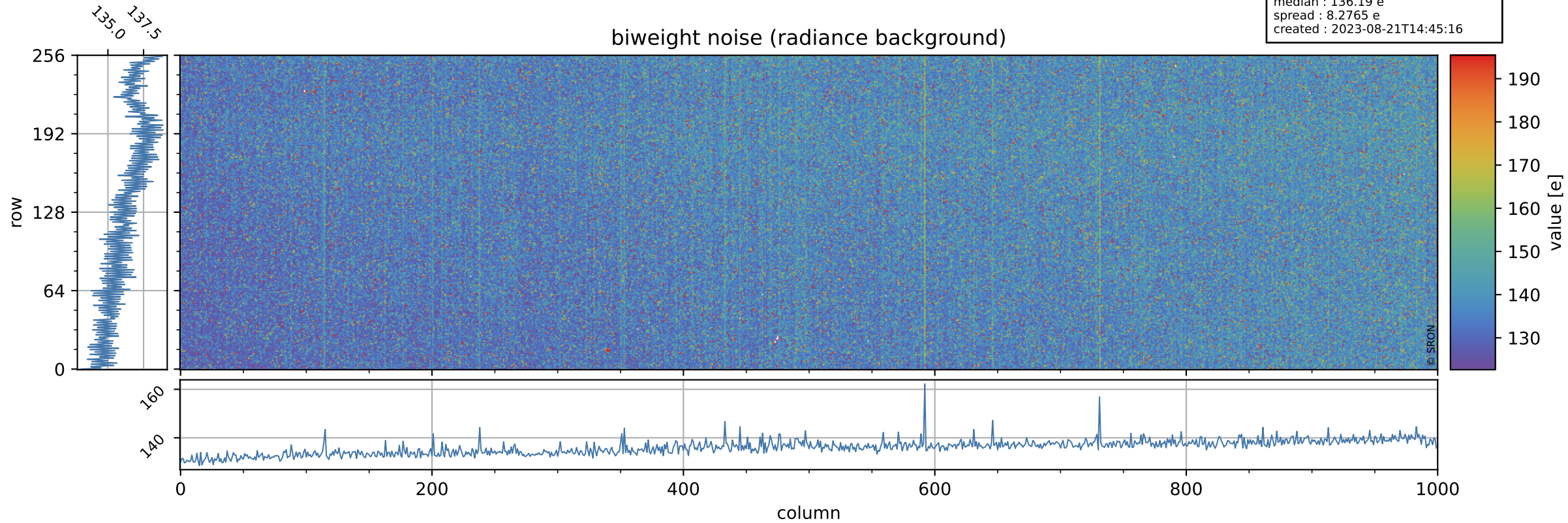
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.2765 e  
created : 2023-08-21T14:45:16

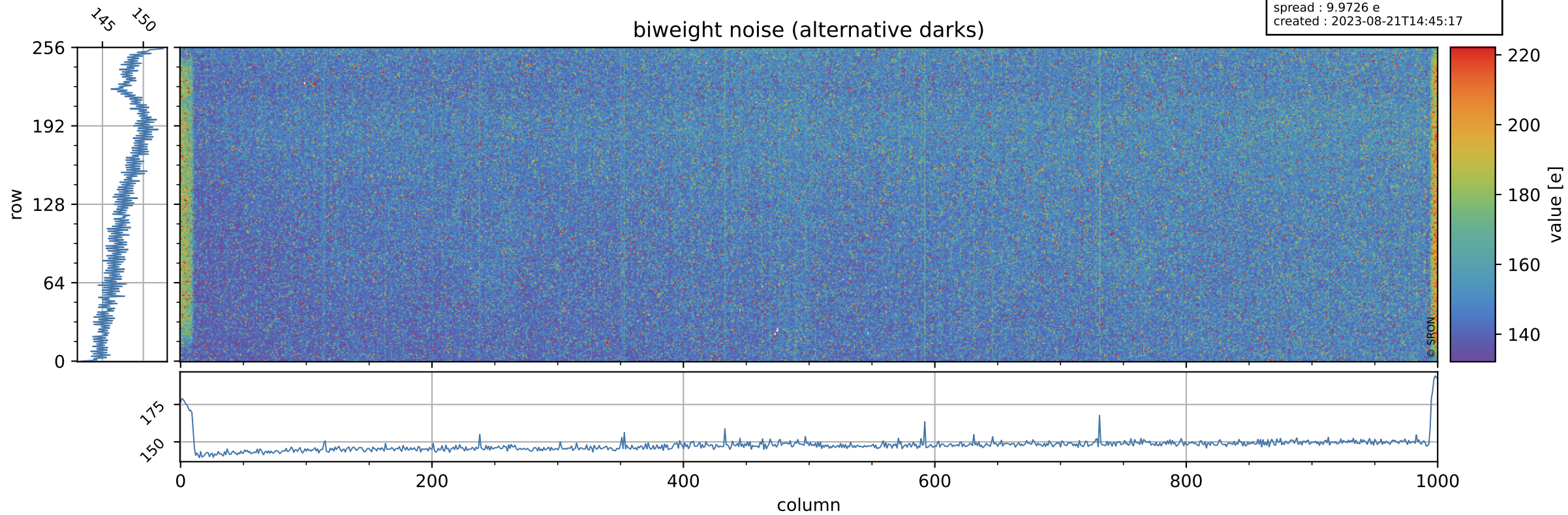
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 9.9726 e  
created : 2023-08-21T14:45:17

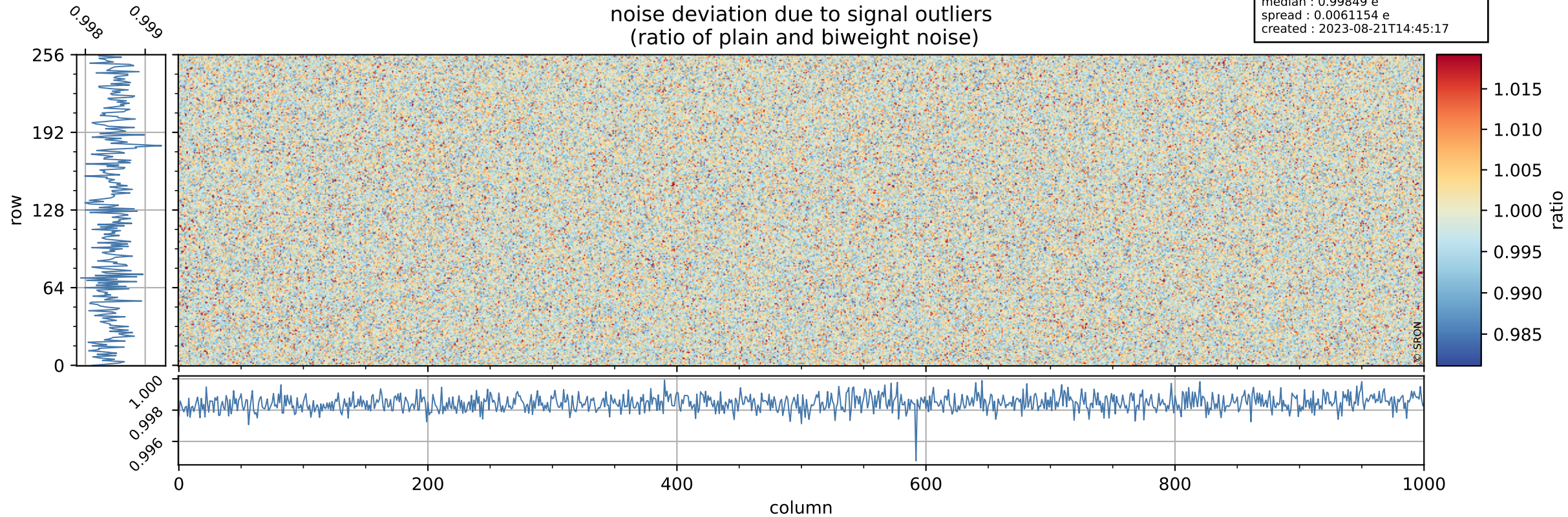
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

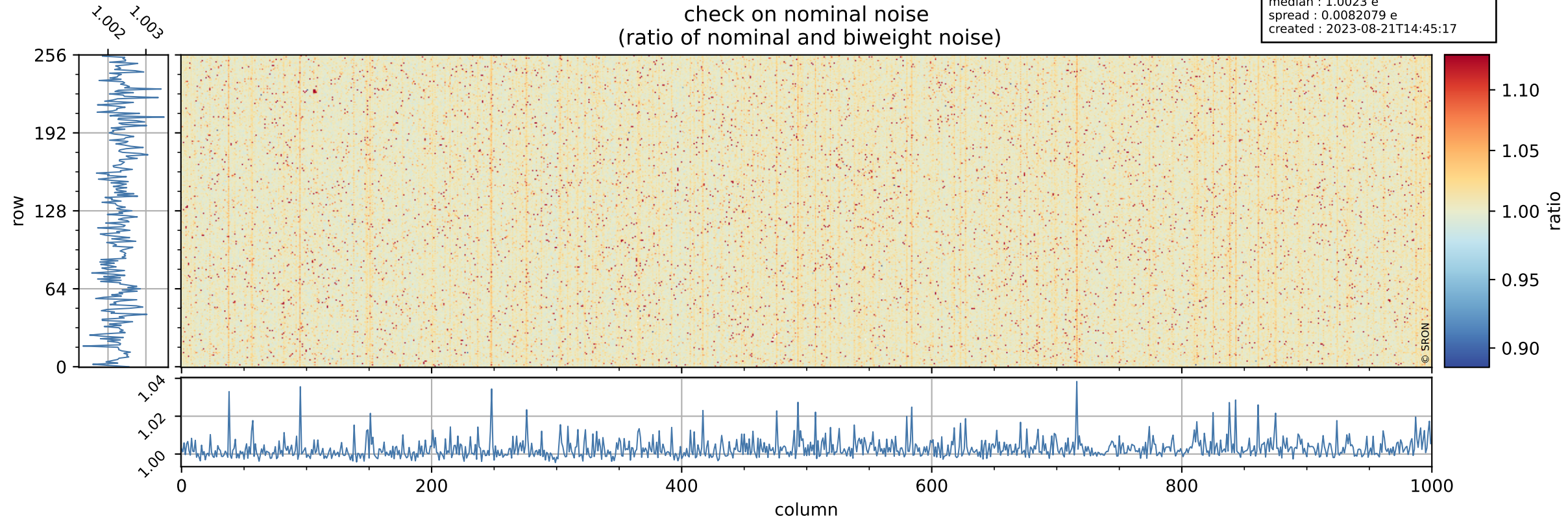
orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
median : 0.99849 e  
spread : 0.0061154 e  
created : 2023-08-21T14:45:17



# Tropomi SWIR background noise (swir)

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

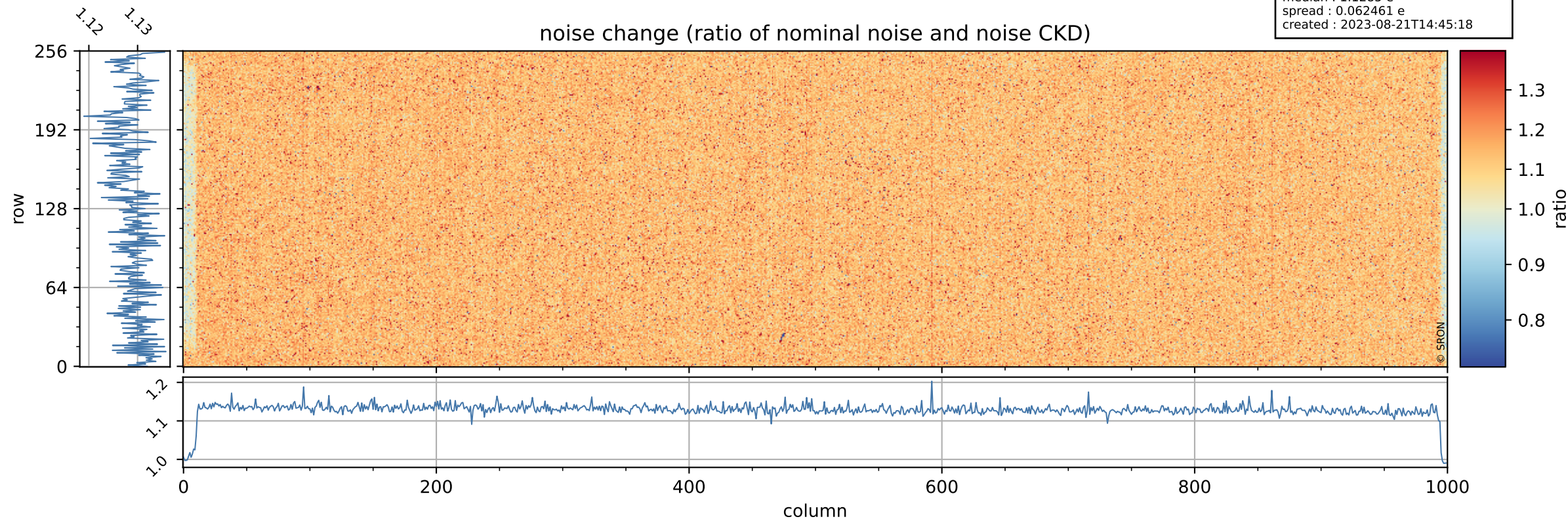
orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
median : 1.0023 e  
spread : 0.0082079 e  
created : 2023-08-21T14:45:17



# Tropomi SWIR background noise (swir)

orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
median : 1.1285 e  
spread : 0.062461 e  
created : 2023-08-21T14:45:18

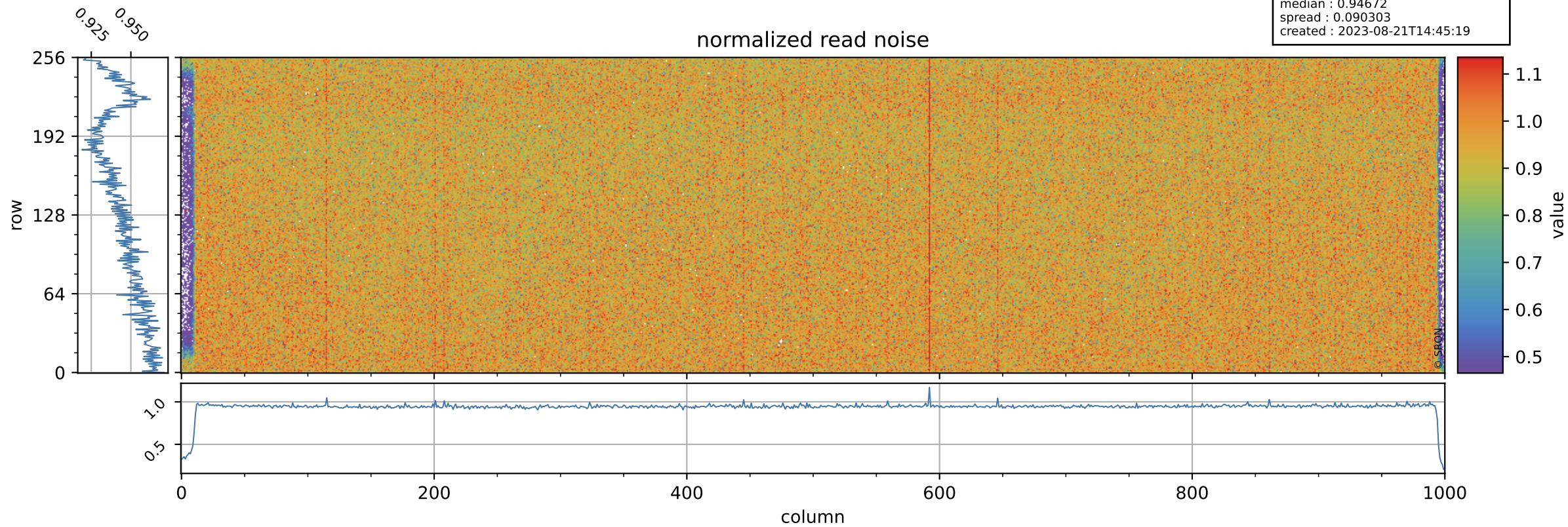
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
median : 0.94672  
spread : 0.090303  
created : 2023-08-21T14:45:19

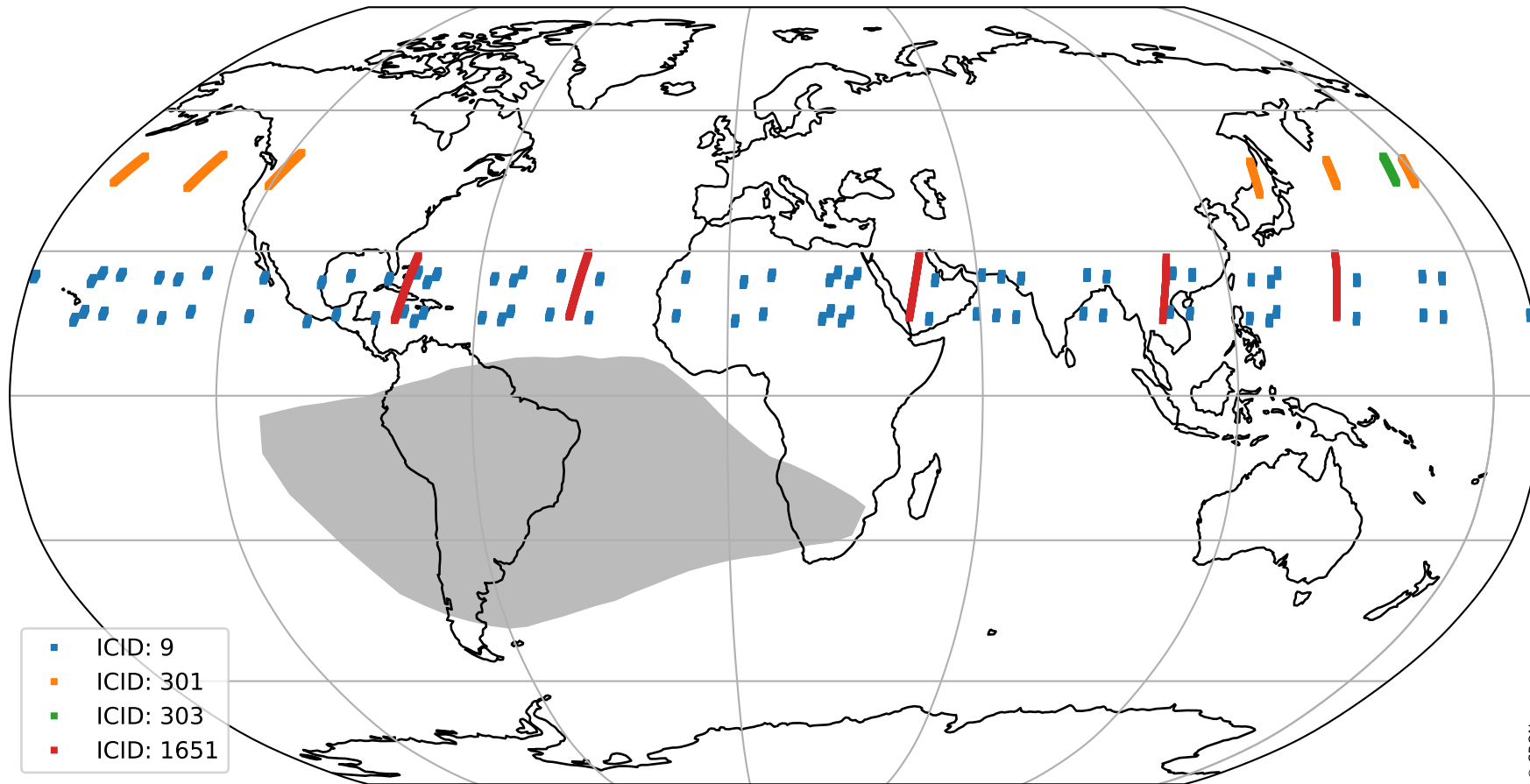
normalized read noise





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

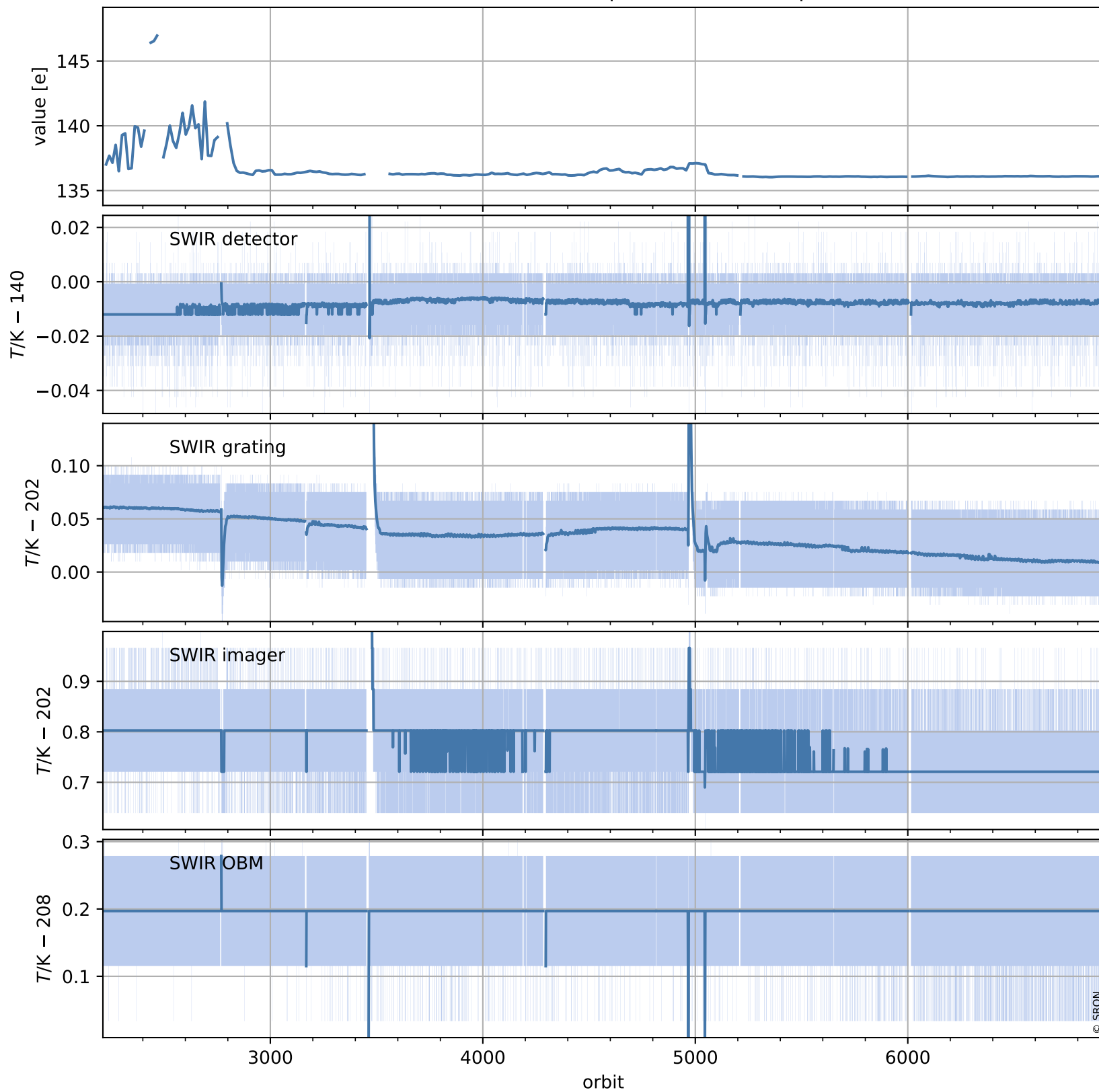
orbits : 12 in [6832, 6922]  
coverage : 2019-02-07 / 2019-02-12  
created : 2023-08-21T14:45:19



# Tropomi SWIR background noise (swir)

orbits : [2212, 6922]  
coverage : 2018-03-18 / 2019-02-12  
created : 2023-08-21T14:45:20

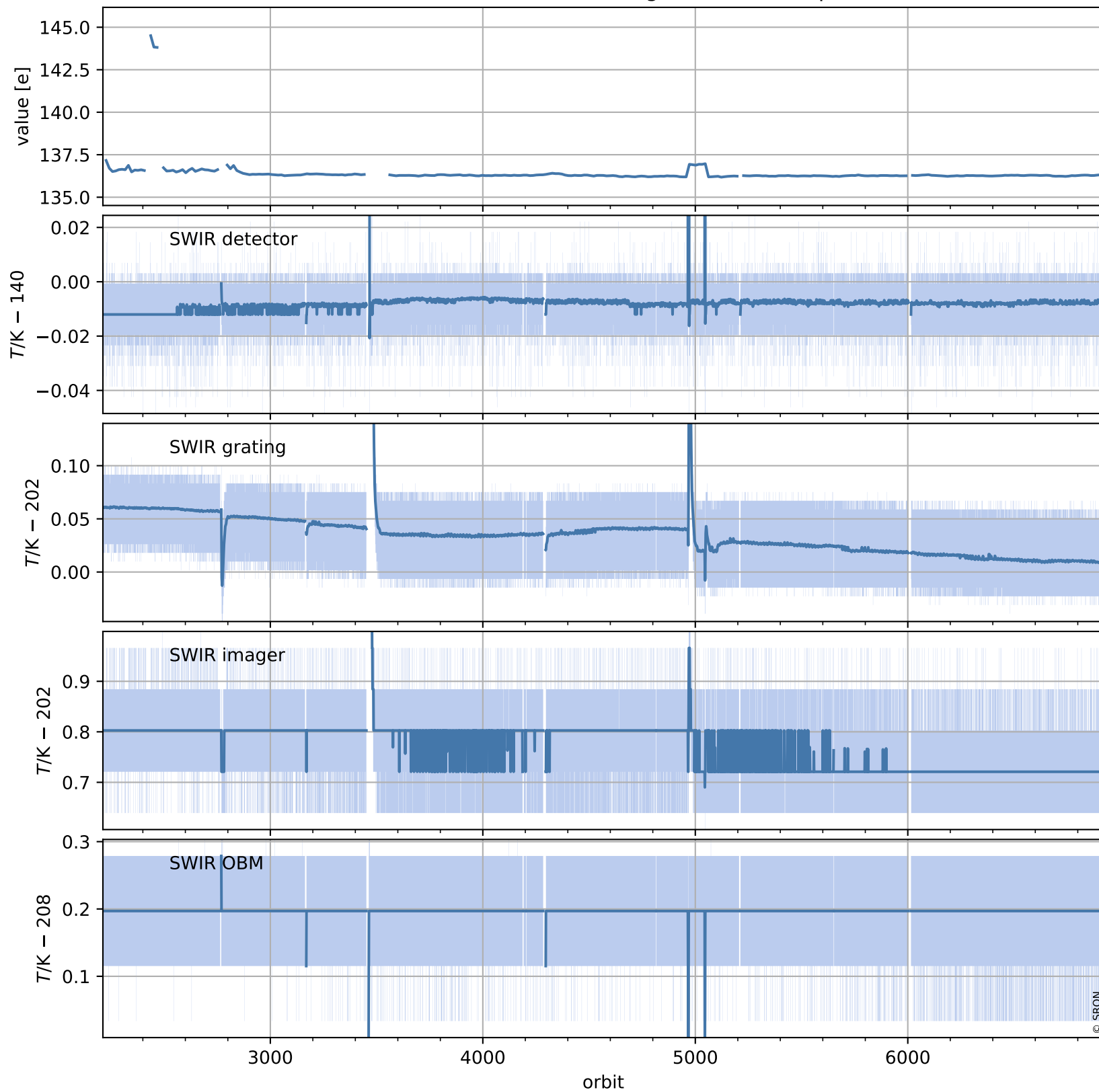
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6922]  
coverage : 2018-03-18 / 2019-02-12  
created : 2023-08-21T14:45:20

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6922]  
coverage : 2018-03-18 / 2019-02-12  
created : 2023-08-21T14:45:21

## trend of normalized read-noise & temperatures

