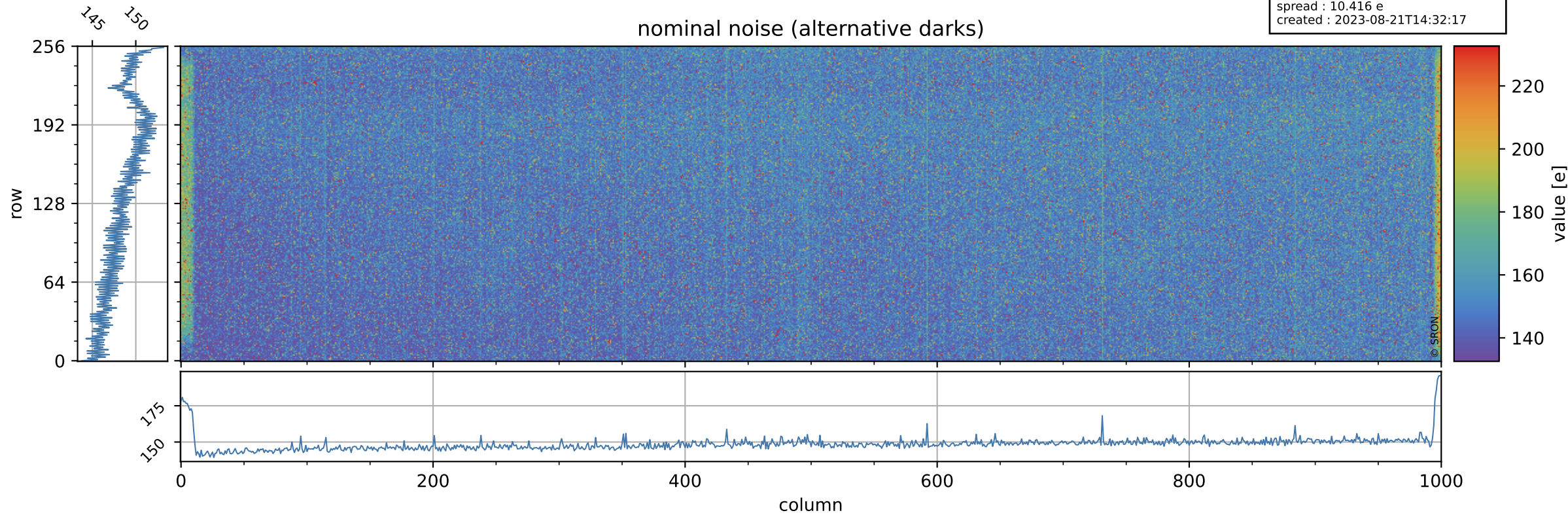


# Tropomi SWIR background noise (swir)

orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.416 e  
created : 2023-08-21T14:32:17

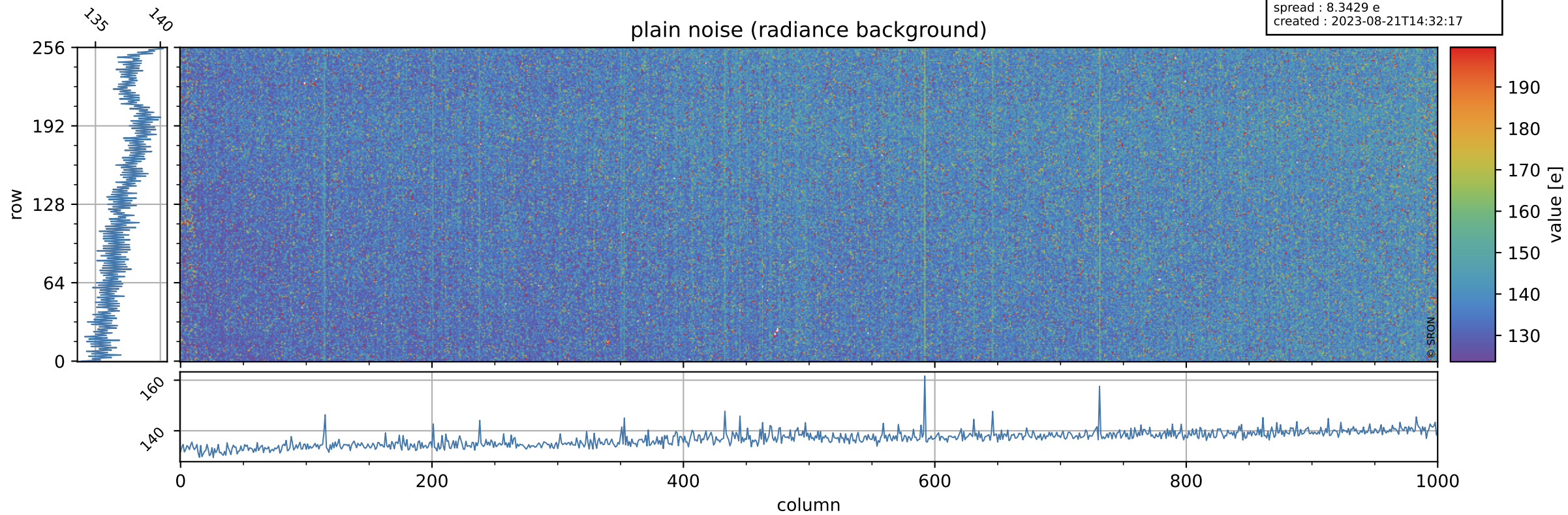
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
n\_coad, t\_exp : 2, 0.5383  
median : 137.05 e  
spread : 8.3429 e  
created : 2023-08-21T14:32:17

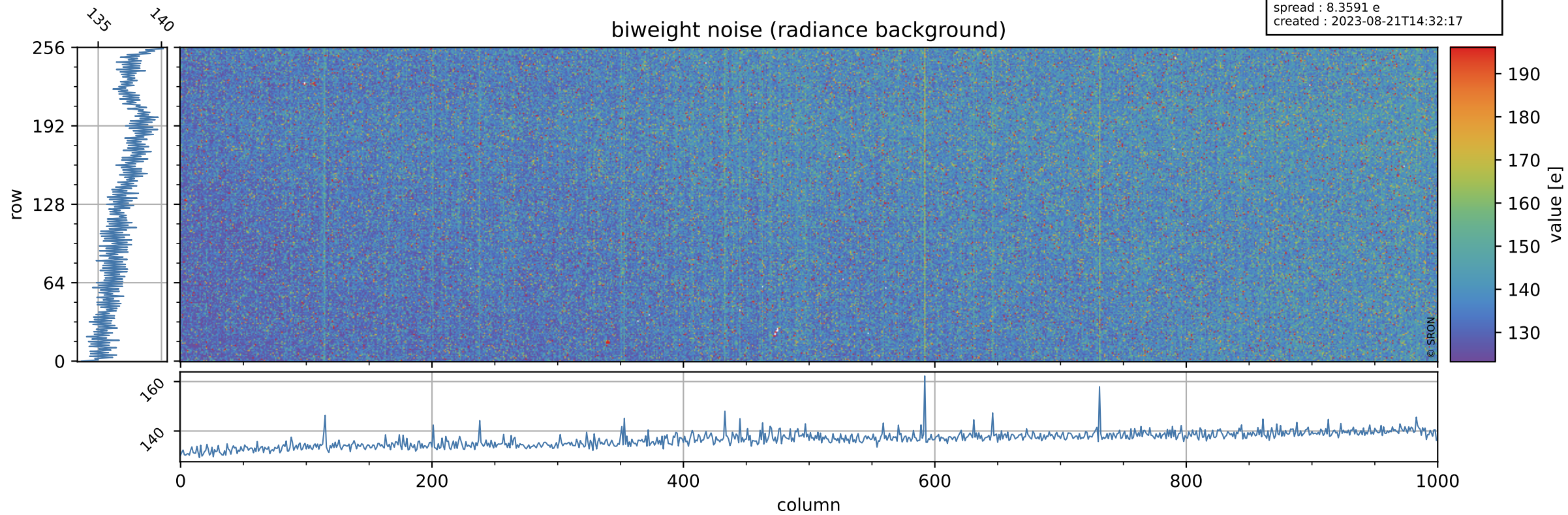
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
n\_coad, t\_exp : 2, 0.5383  
median : 136.86 e  
spread : 8.3591 e  
created : 2023-08-21T14:32:17

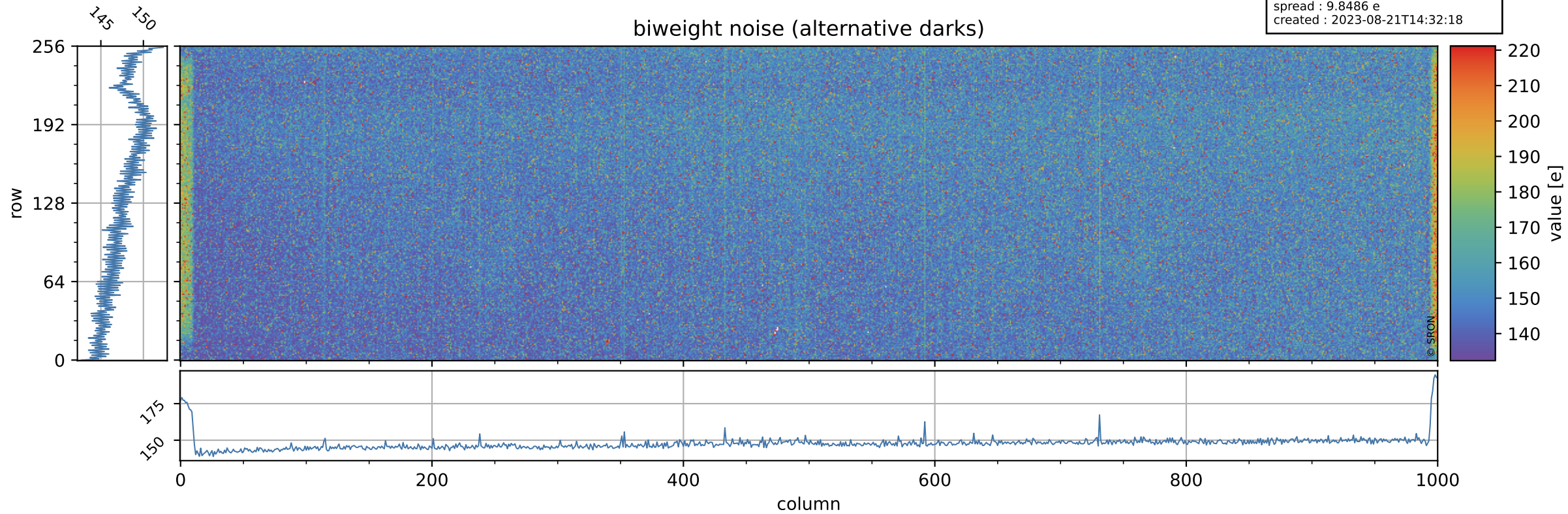
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.51 e  
spread : 9.8486 e  
created : 2023-08-21T14:32:18

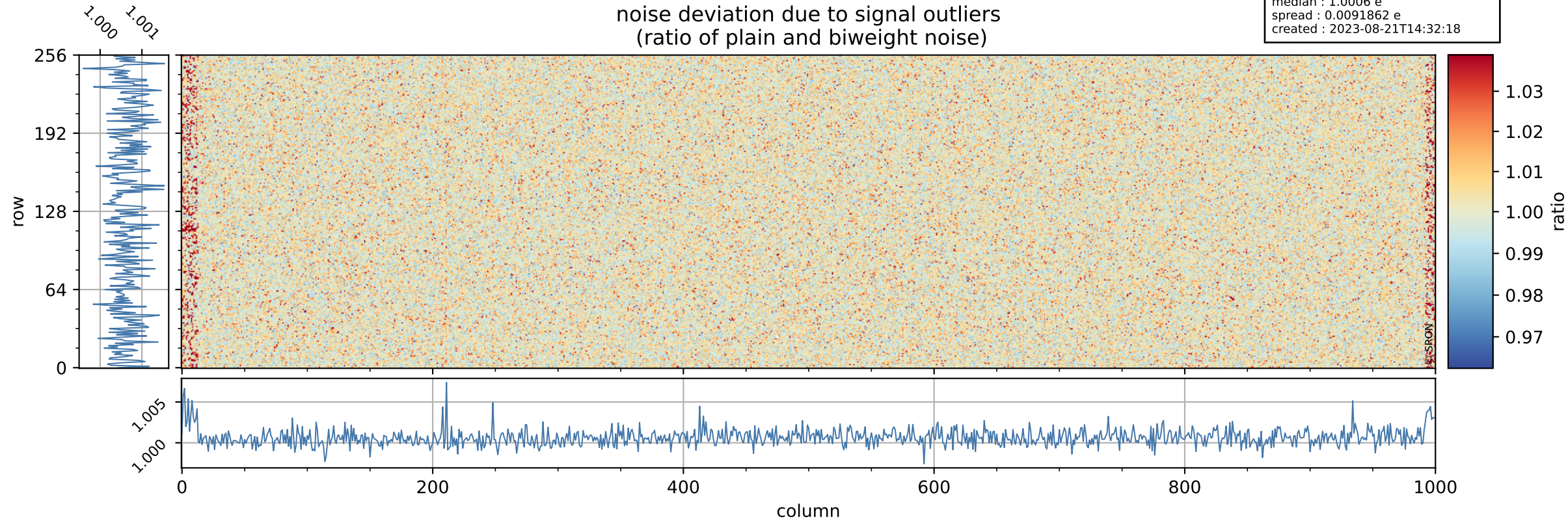
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

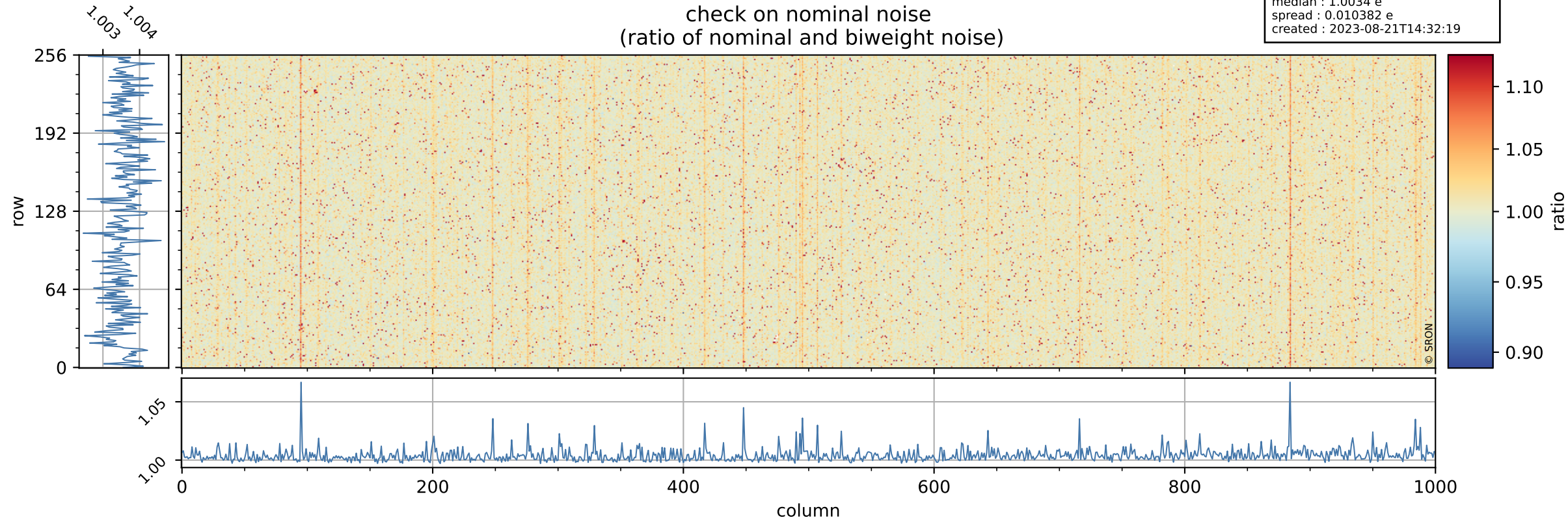
orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
median : 1.0006 e  
spread : 0.0091862 e  
created : 2023-08-21T14:32:18



# Tropomi SWIR background noise (swir)

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

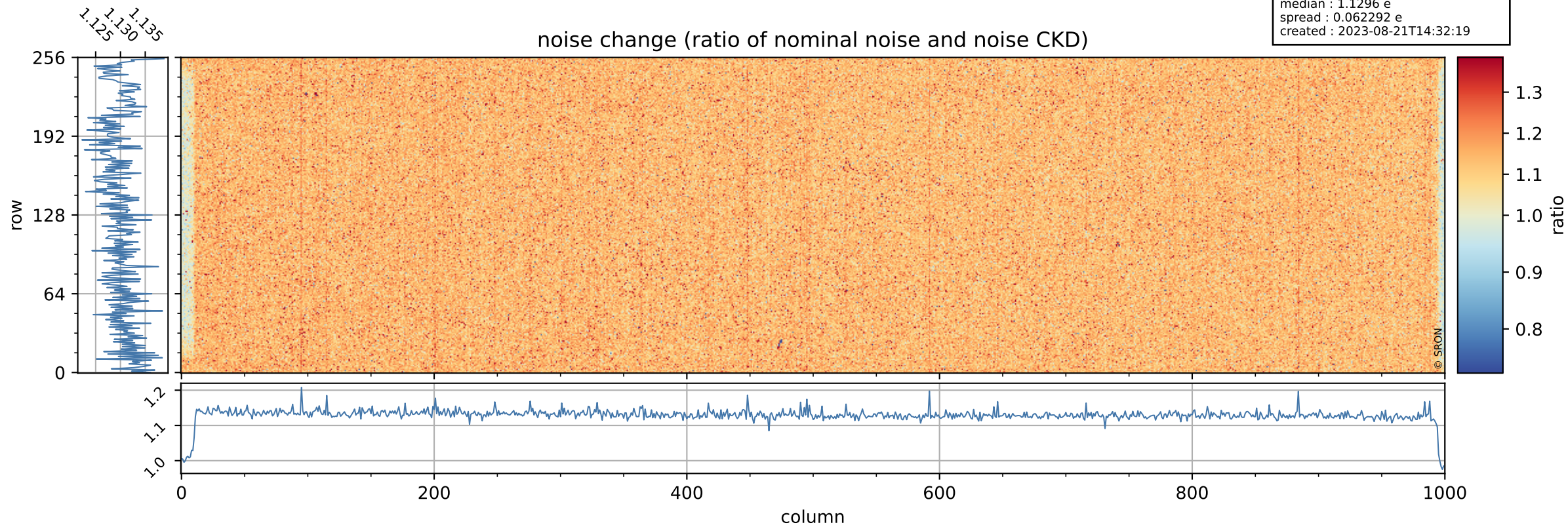
orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
median : 1.0034 e  
spread : 0.010382 e  
created : 2023-08-21T14:32:19



# Tropomi SWIR background noise (swir)

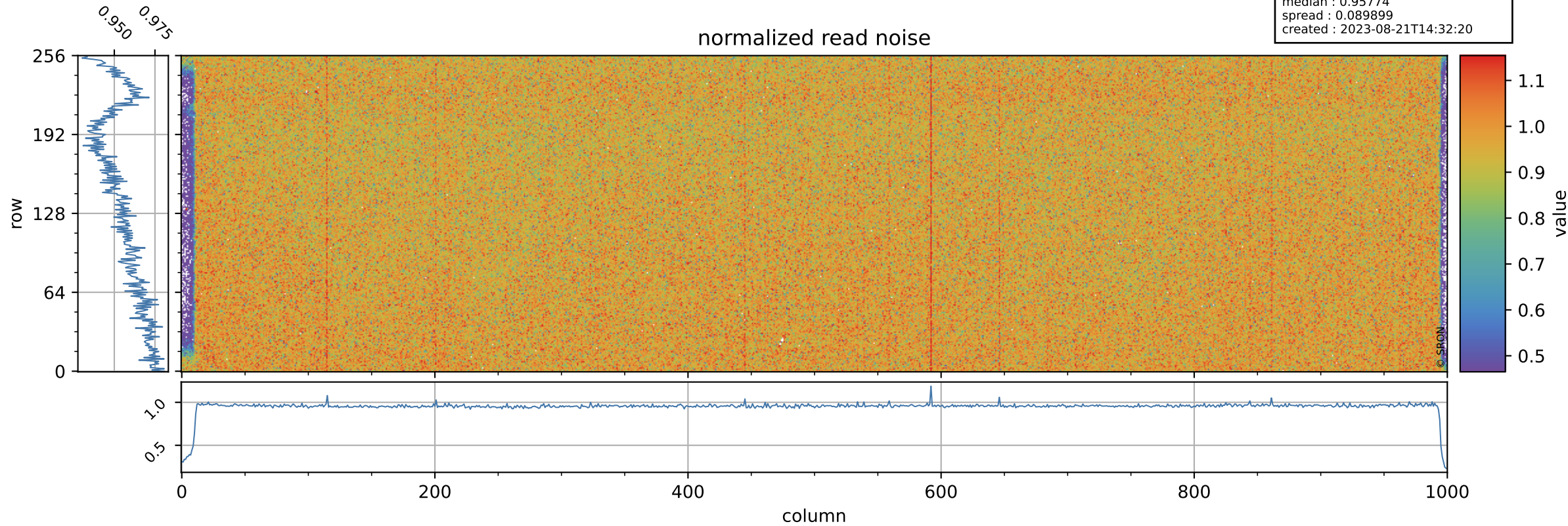
orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
median : 1.1296 e  
spread : 0.062292 e  
created : 2023-08-21T14:32:19

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

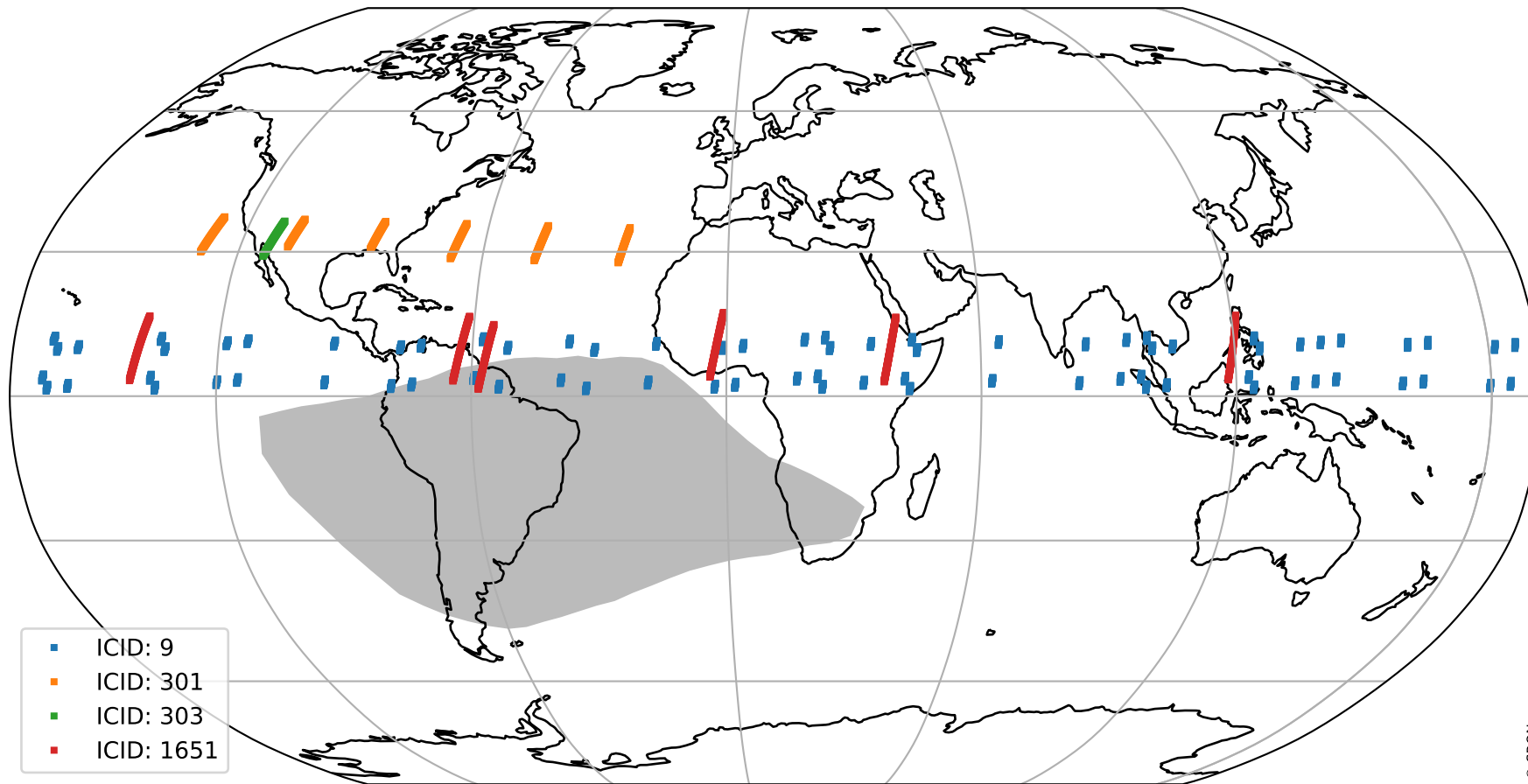
orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
median : 0.95774  
spread : 0.089899  
created : 2023-08-21T14:32:20





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

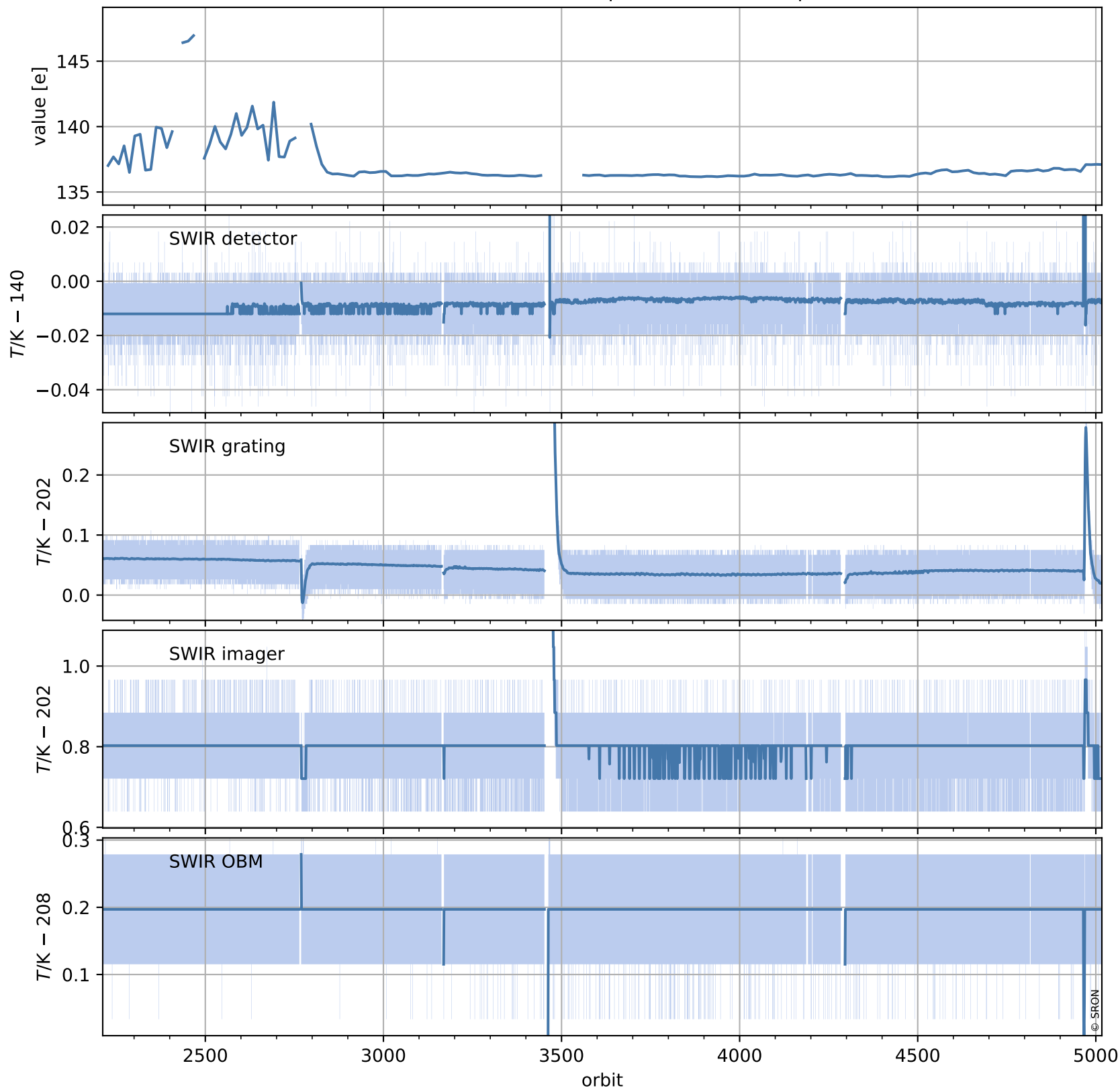
orbits : 13 in [4927, 5017]  
coverage : 2018-09-26 / 2018-10-02  
created : 2023-08-21T14:32:20



# Tropomi SWIR background noise (swir)

orbits : [2212, 5017]  
coverage : 2018-03-18 / 2018-10-02  
created : 2023-08-21T14:32:20

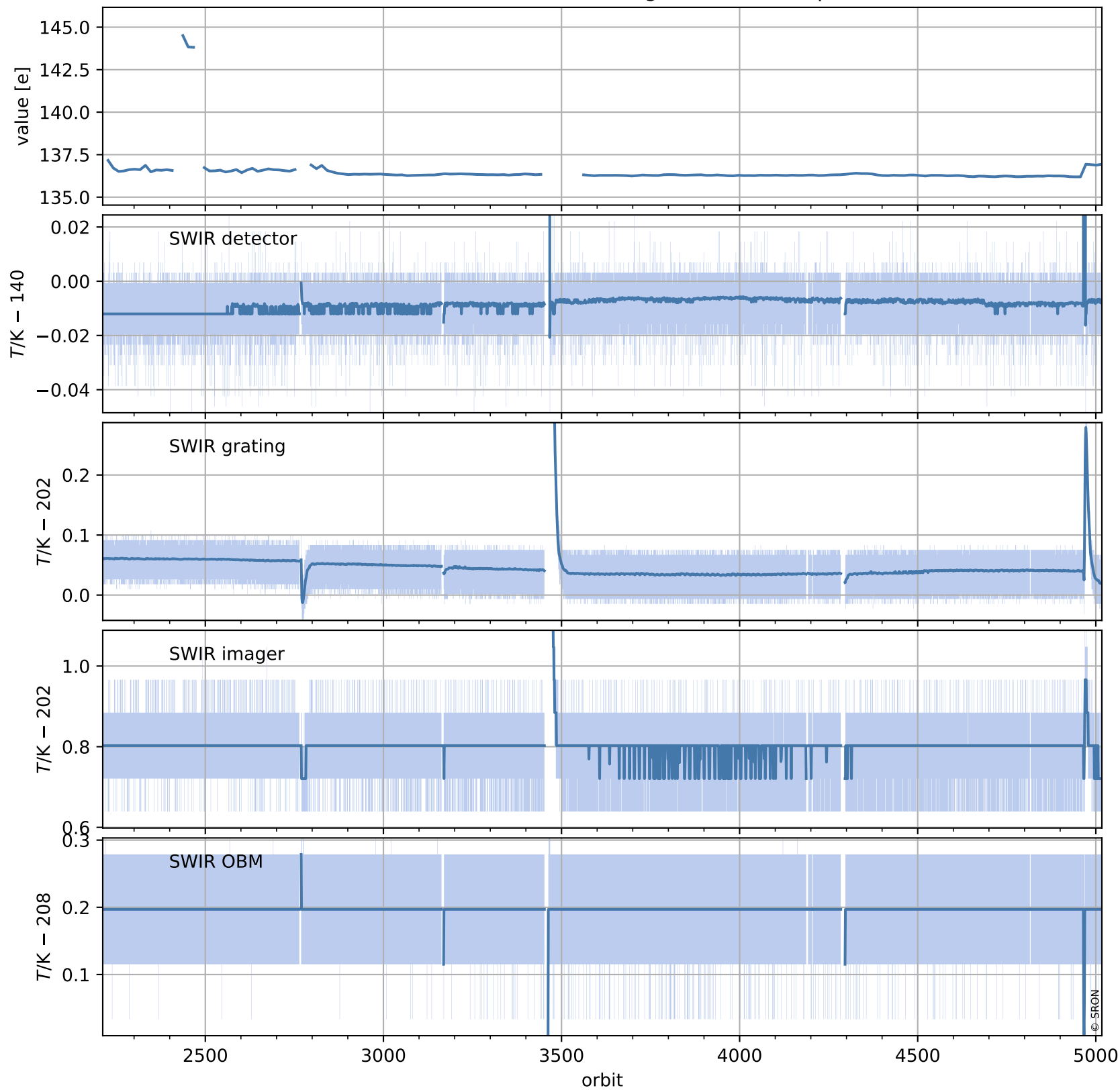
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5017]  
coverage : 2018-03-18 / 2018-10-02  
created : 2023-08-21T14:32:21

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5017]  
coverage : 2018-03-18 / 2018-10-02  
created : 2023-08-21T14:32:22

## trend of normalized read-noise & temperatures

