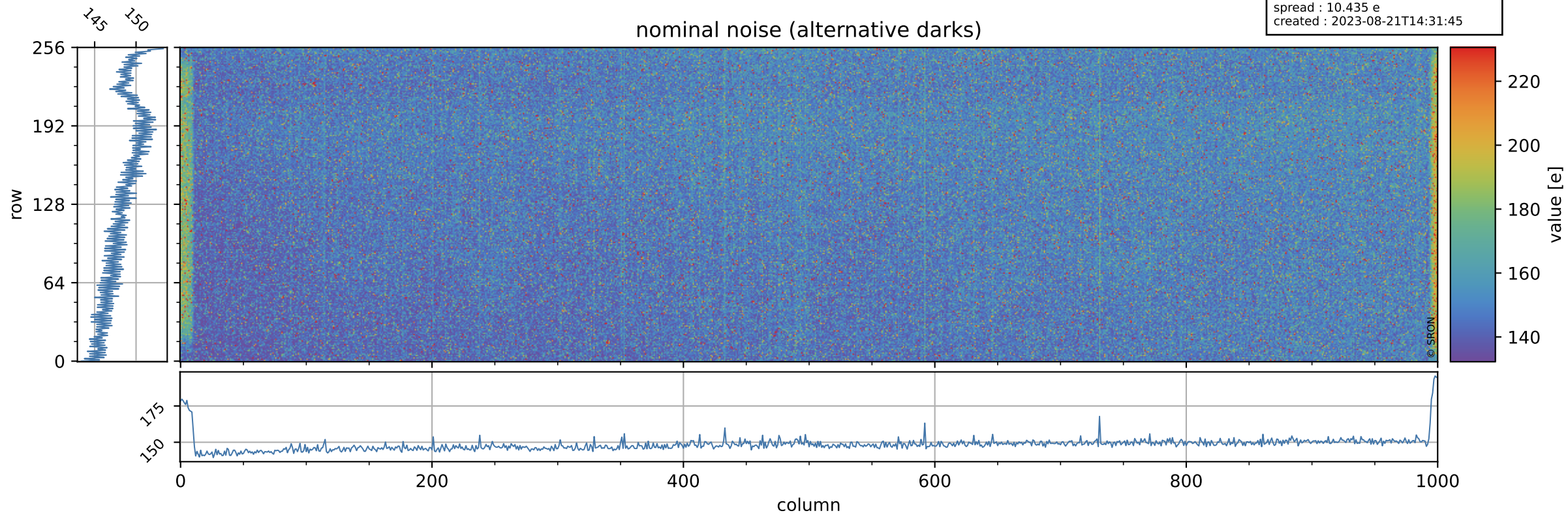


# Tropomi SWIR background noise (swir)

orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
n\_coad, t\_exp : 1, 1.0783  
median : 148.27 e  
spread : 10.435 e  
created : 2023-08-21T14:31:45

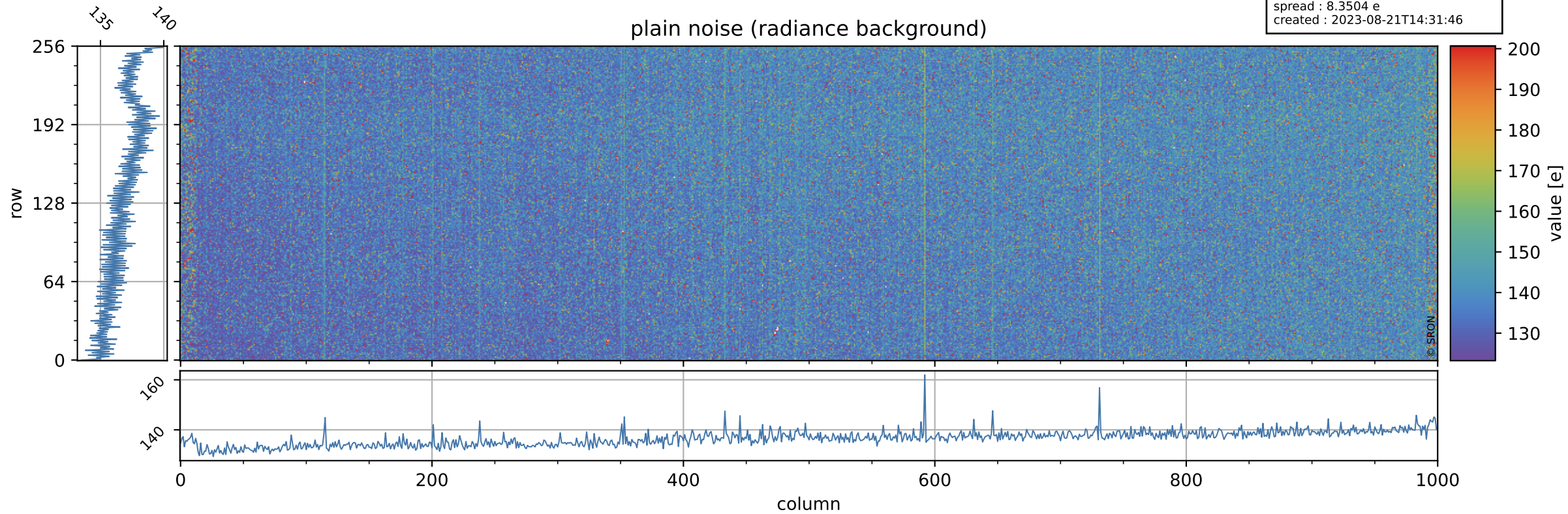
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
n\_coad, t\_exp : 2, 0.5383  
median : 136.71 e  
spread : 8.3504 e  
created : 2023-08-21T14:31:46

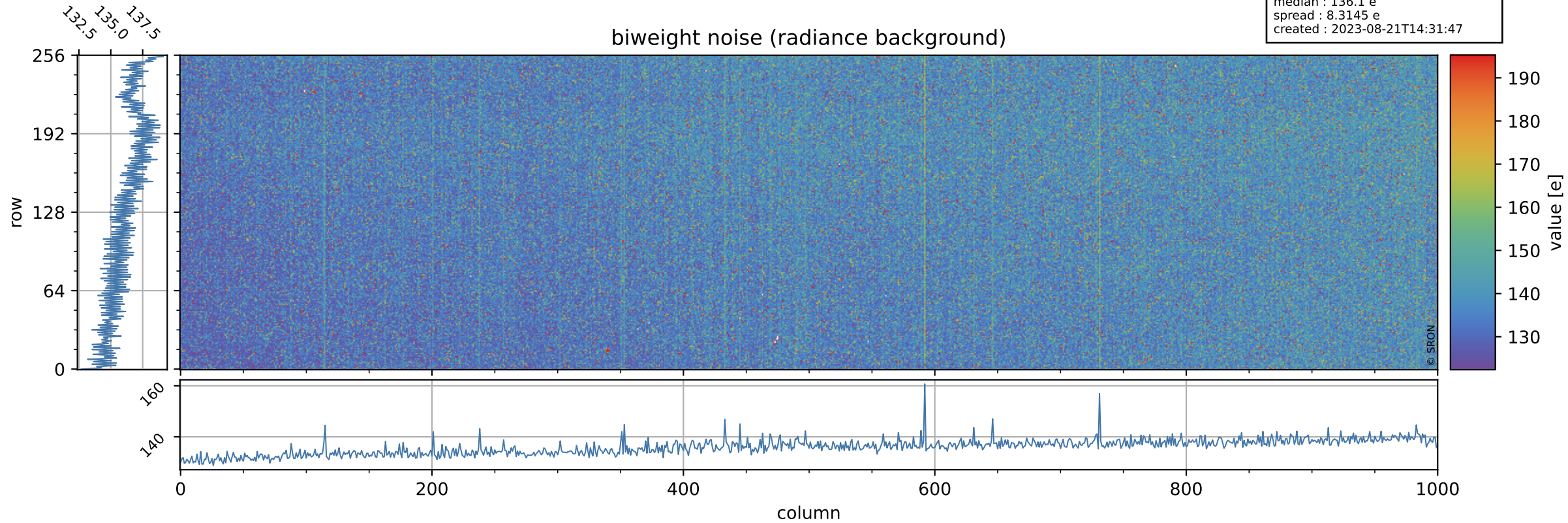
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
n\_coad, t\_exp : 2, 0.5383  
median : 136.1 e  
spread : 8.3145 e  
created : 2023-08-21T14:31:47

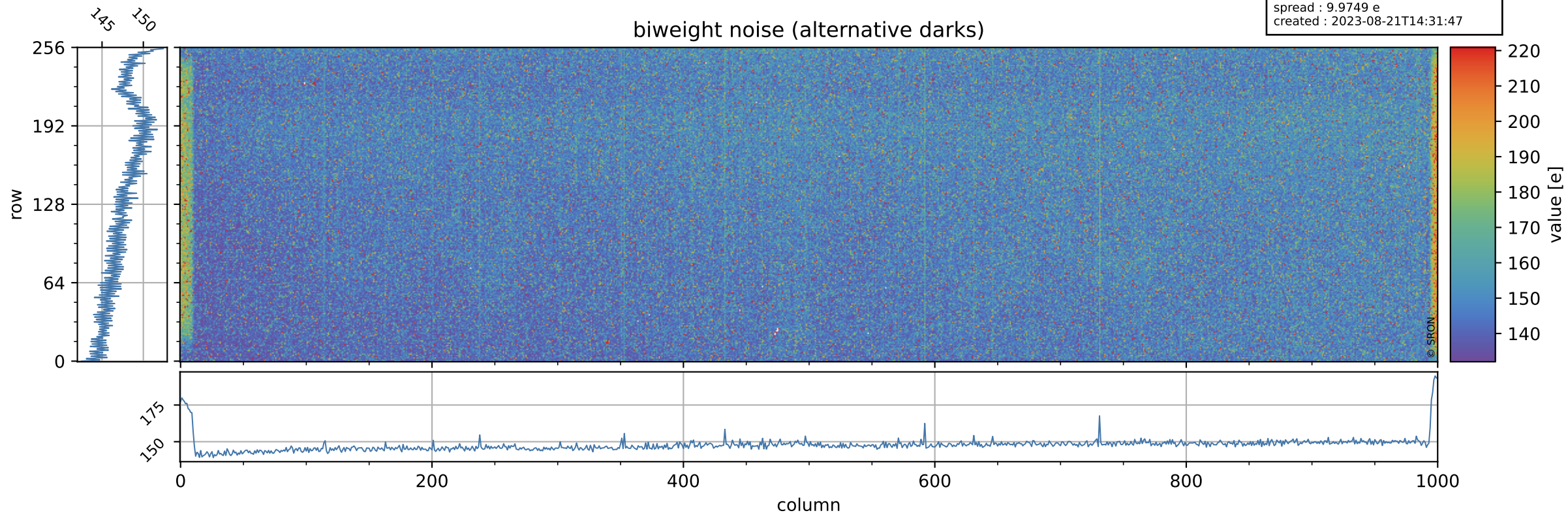
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
n\_coad, t\_exp : 1, 1.0783  
median : 147.49 e  
spread : 9.9749 e  
created : 2023-08-21T14:31:47

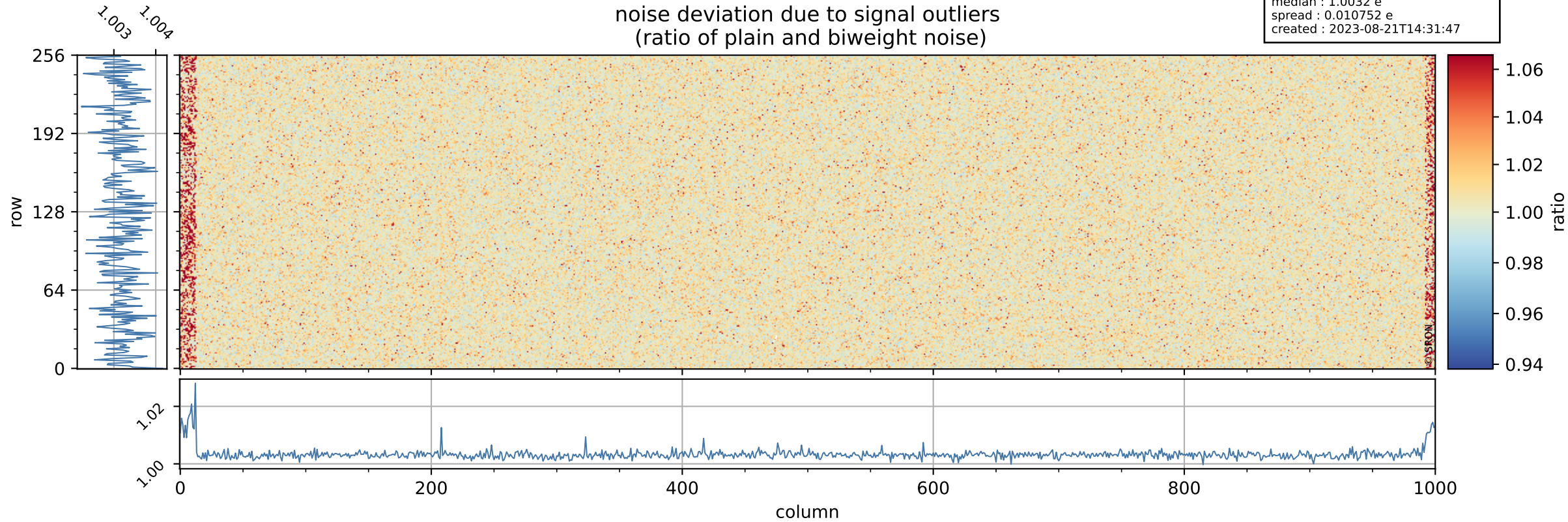
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

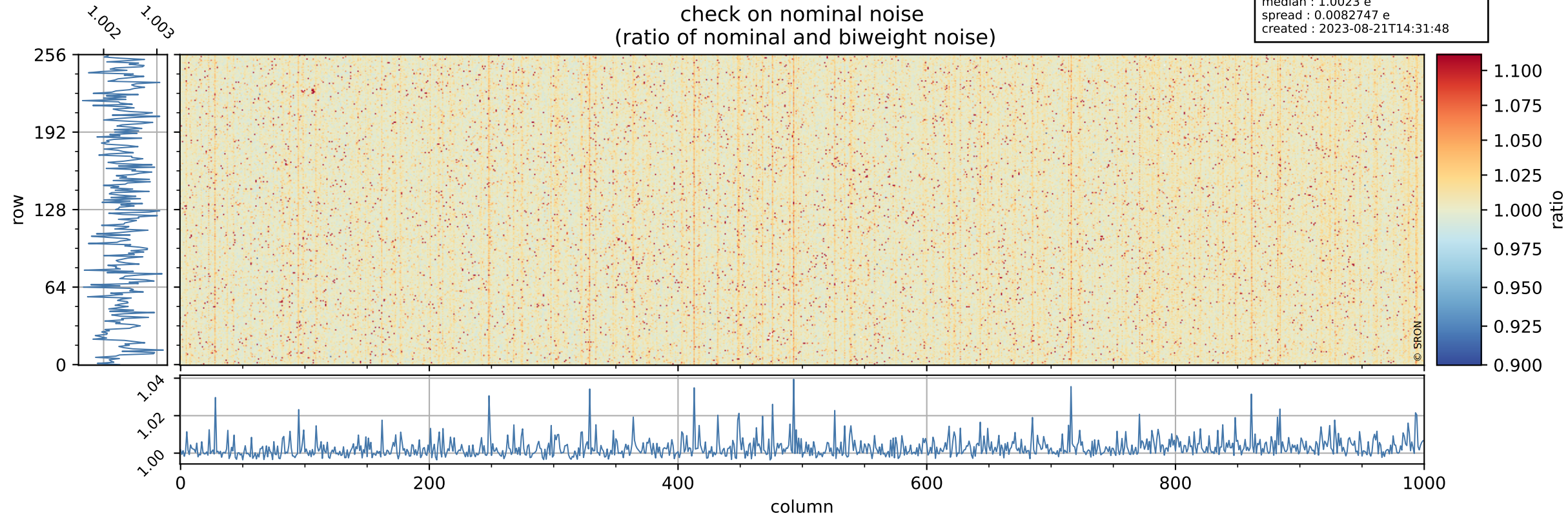
orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
median : 1.0032 e  
spread : 0.010752 e  
created : 2023-08-21T14:31:47



# Tropomi SWIR background noise (swir)

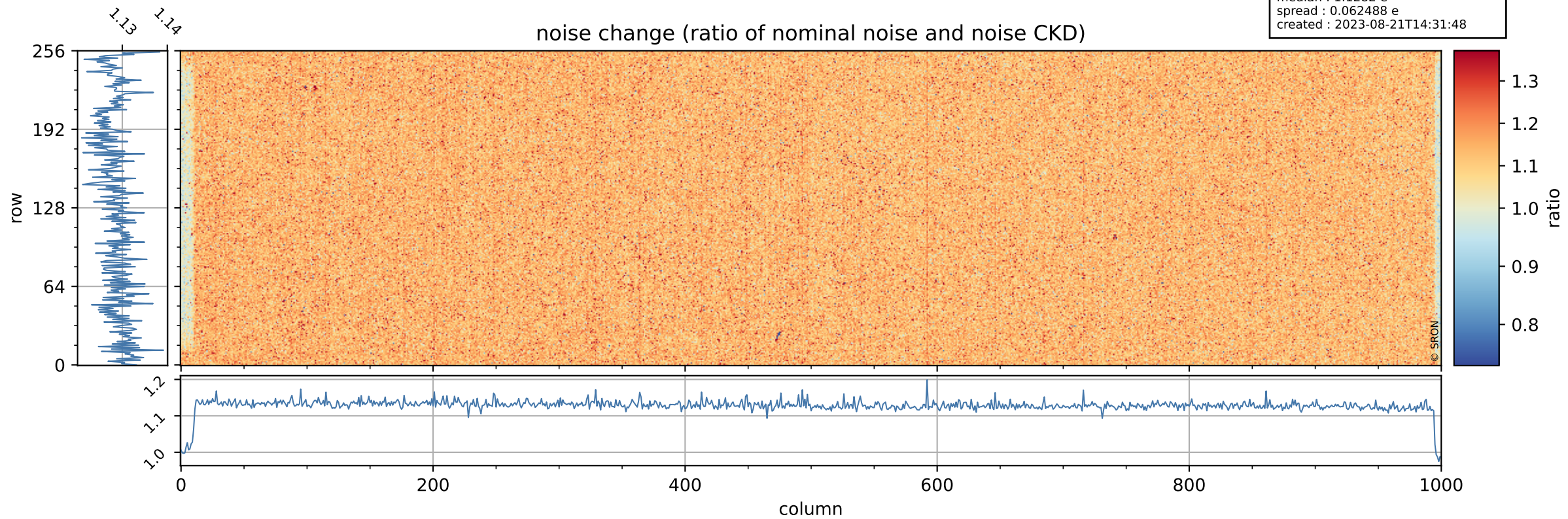
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
median : 1.0023 e  
spread : 0.0082747 e  
created : 2023-08-21T14:31:48



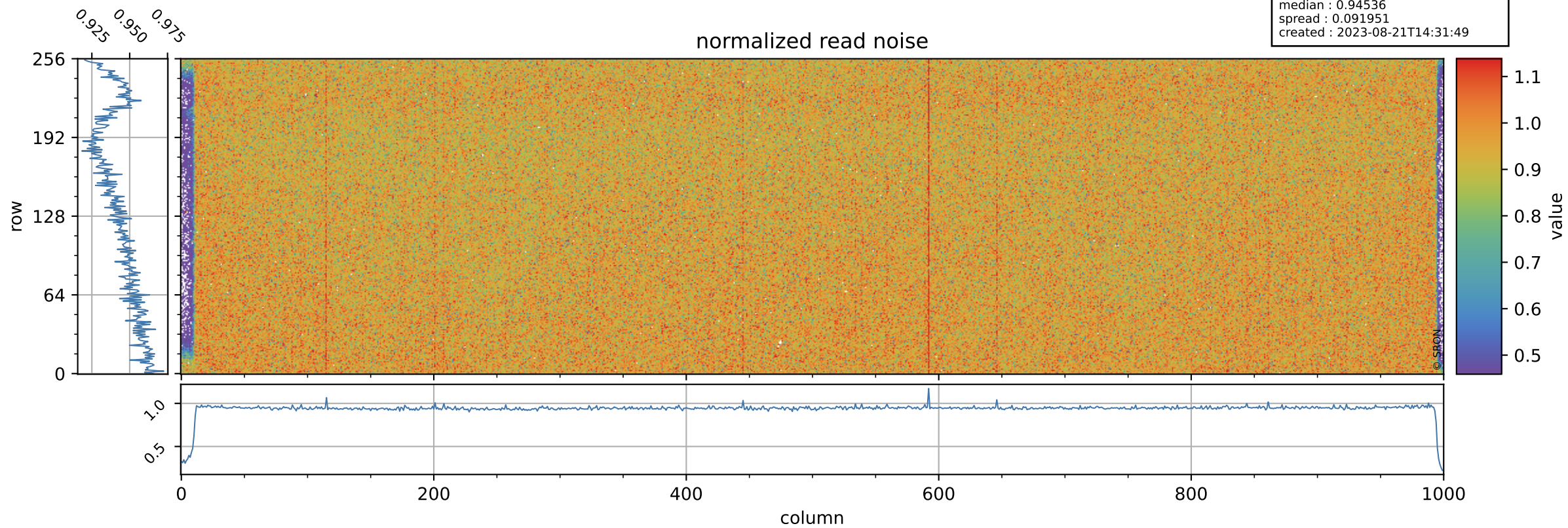
# Tropomi SWIR background noise (swir)

orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
median : 1.1282 e  
spread : 0.062488 e  
created : 2023-08-21T14:31:48



# Tropomi SWIR background noise (swir)

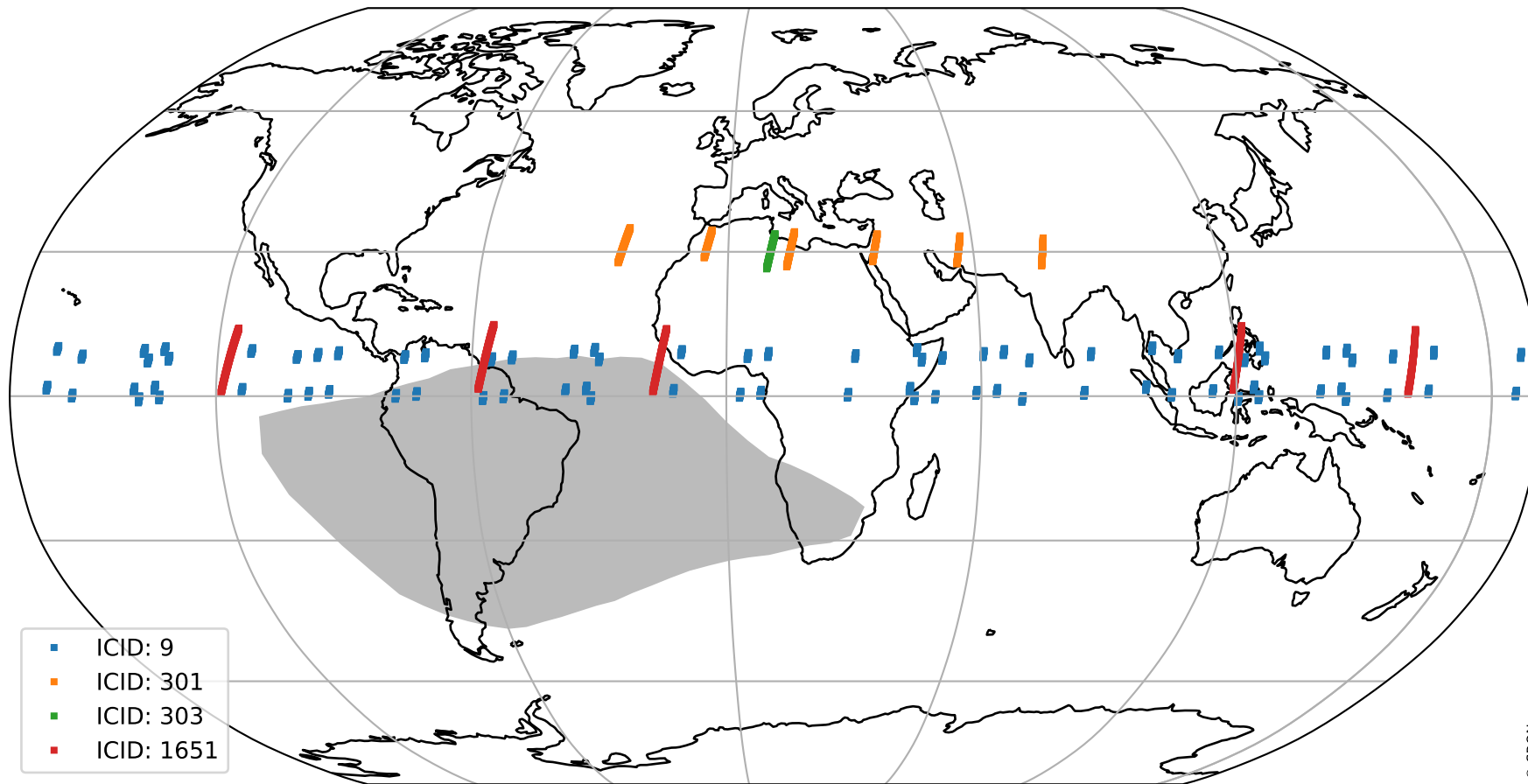
orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
median : 0.94536  
spread : 0.091951  
created : 2023-08-21T14:31:49





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

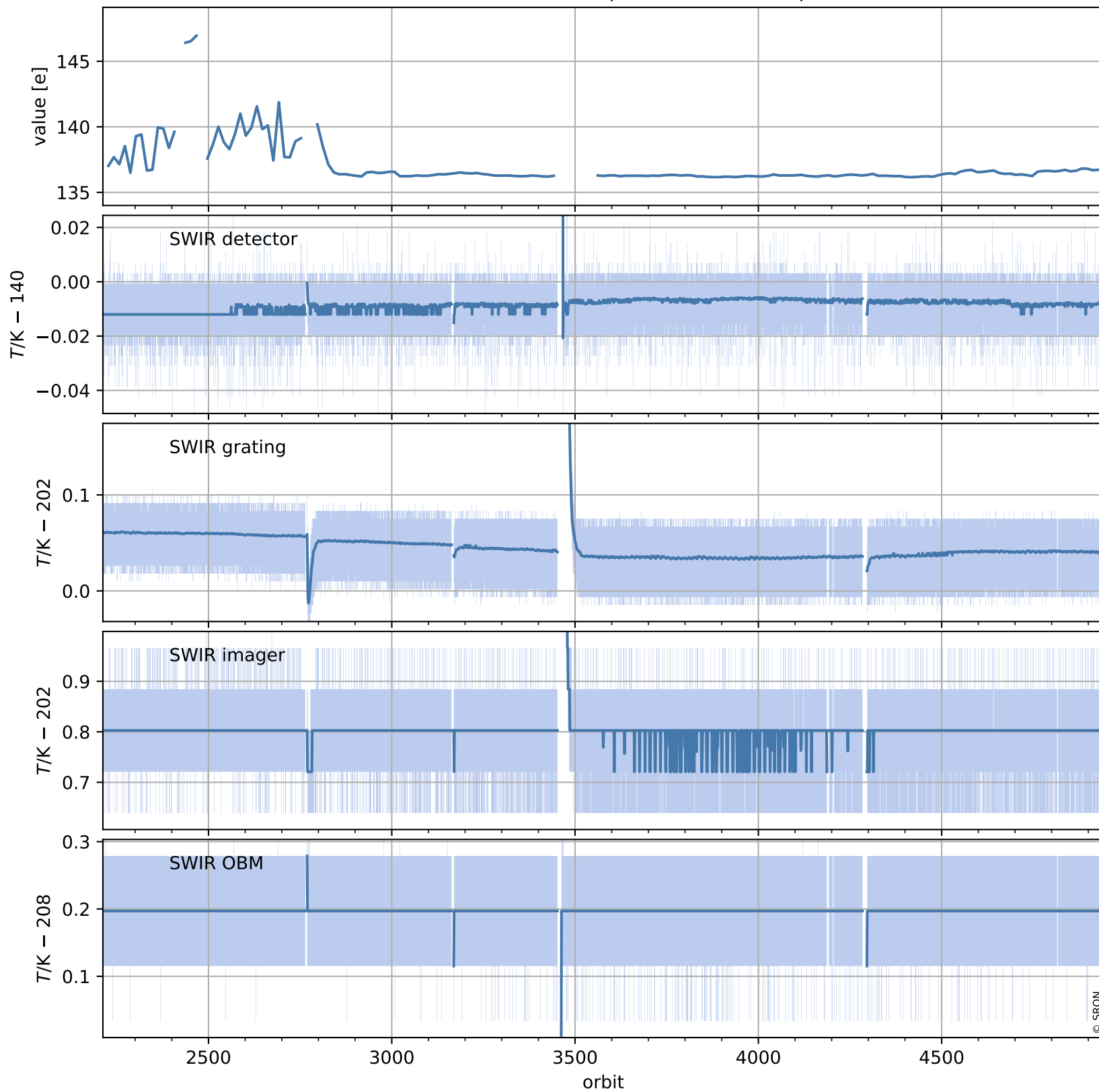
orbits : 12 in [4852, 4942]  
coverage : 2018-09-20 / 2018-09-26  
created : 2023-08-21T14:31:49



# Tropomi SWIR background noise (swir)

orbits : [2212, 4942]  
coverage : 2018-03-18 / 2018-09-26  
created : 2023-08-21T14:31:49

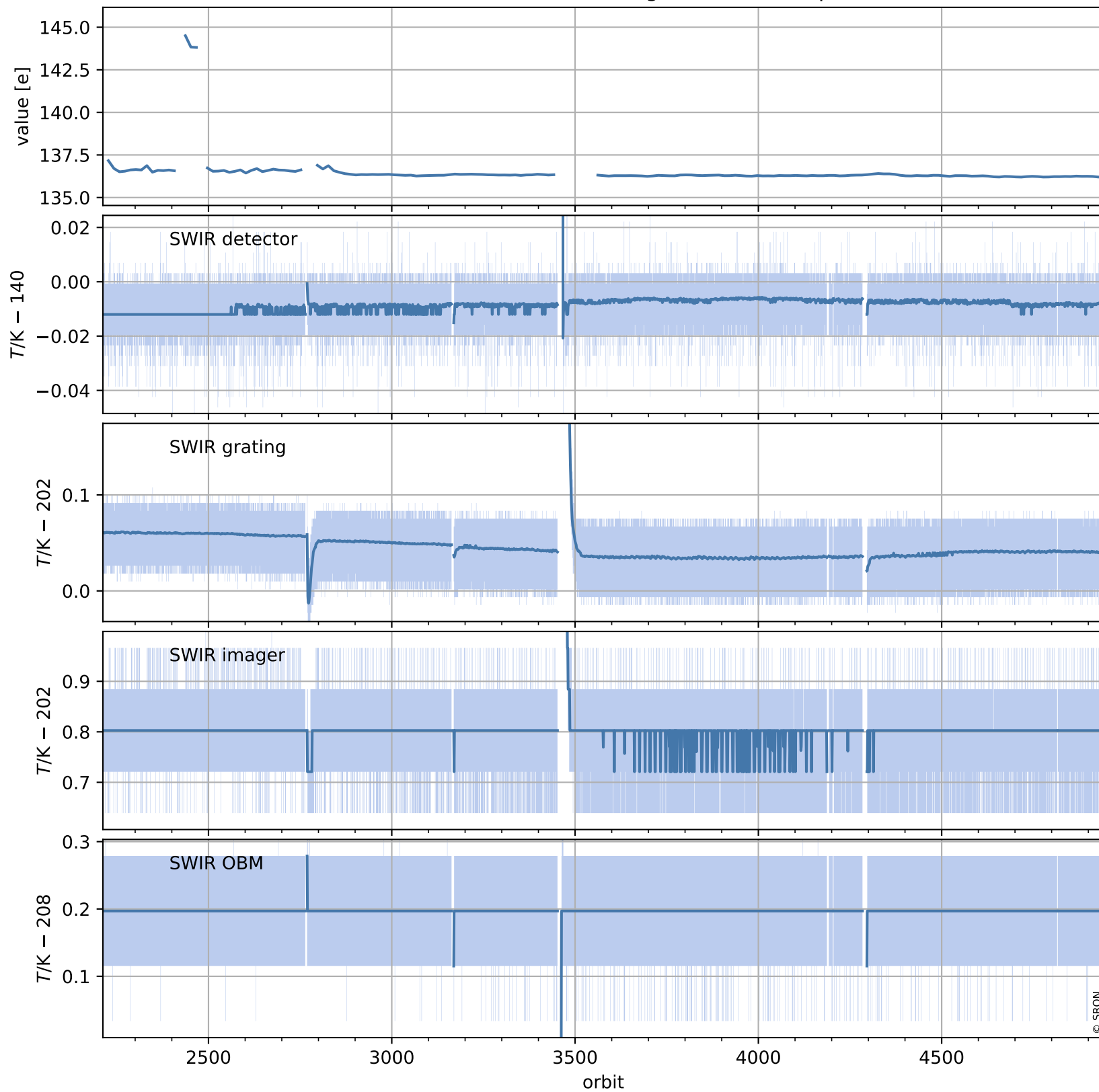
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4942]  
coverage : 2018-03-18 / 2018-09-26  
created : 2023-08-21T14:31:50

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4942]  
coverage : 2018-03-18 / 2018-09-26  
created : 2023-08-21T14:31:51

## trend of normalized read-noise & temperatures

