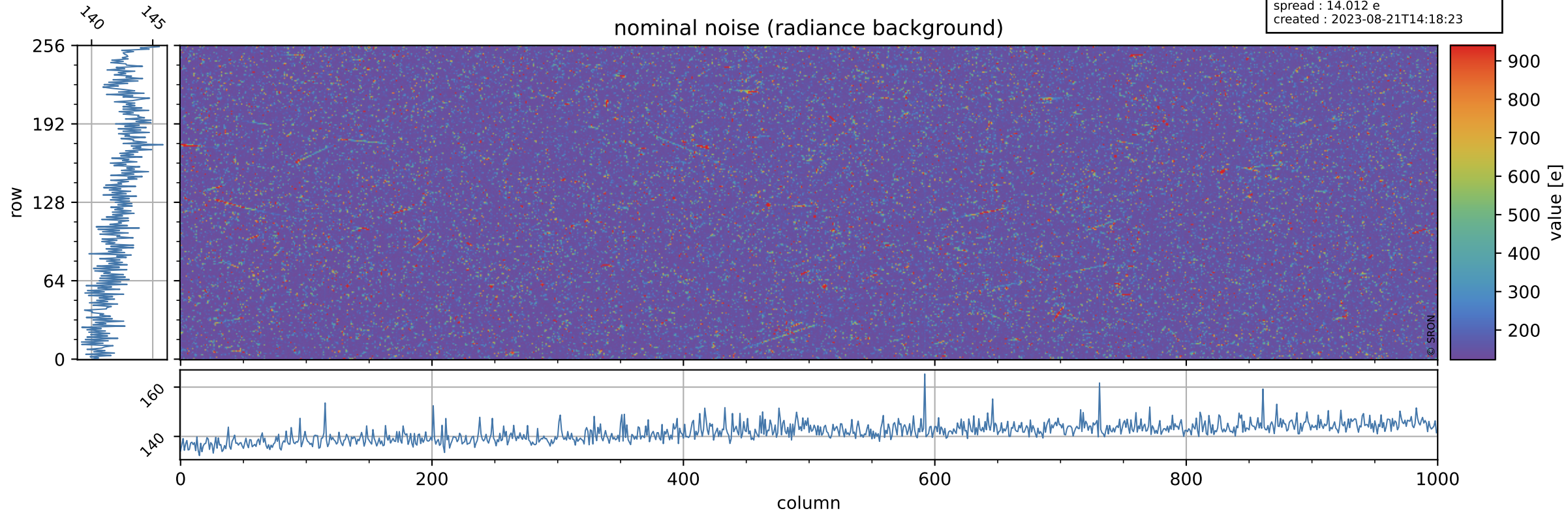


# Tropomi SWIR background noise (swir)

orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
n\_coad, t\_exp : 2, 0.5383  
median : 141.16 e  
spread : 14.012 e  
created : 2023-08-21T14:18:23

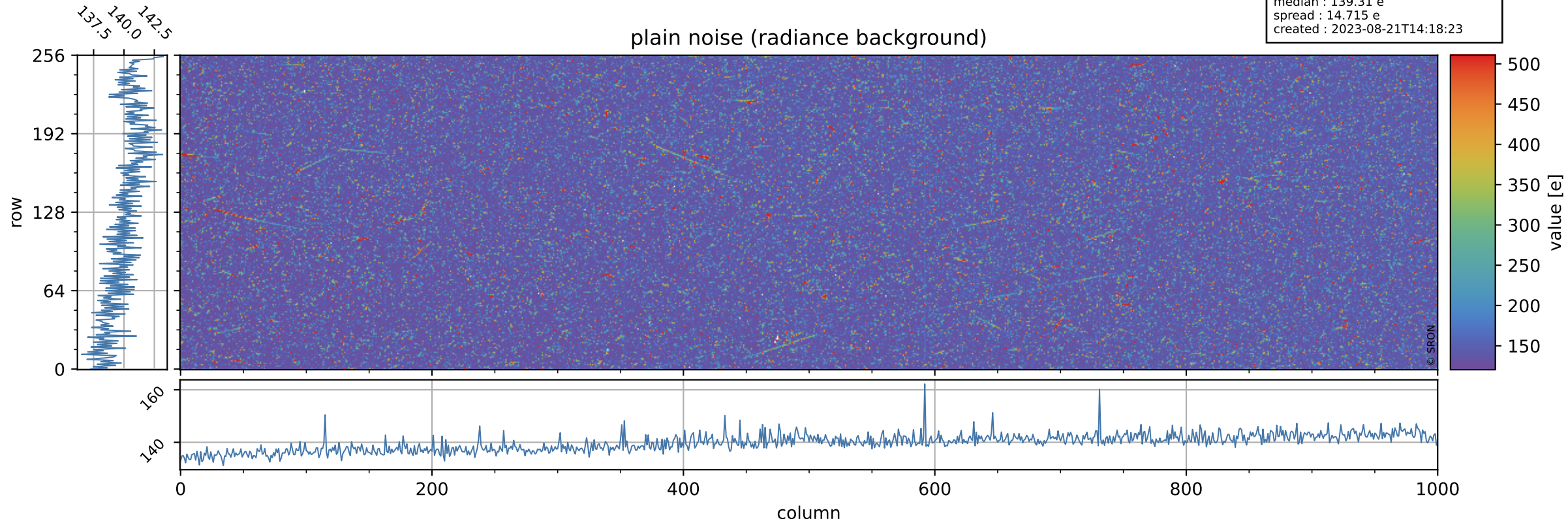
nominal noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
n\_coad, t\_exp : 2, 0.5383  
median : 139.31 e  
spread : 14.715 e  
created : 2023-08-21T14:18:23

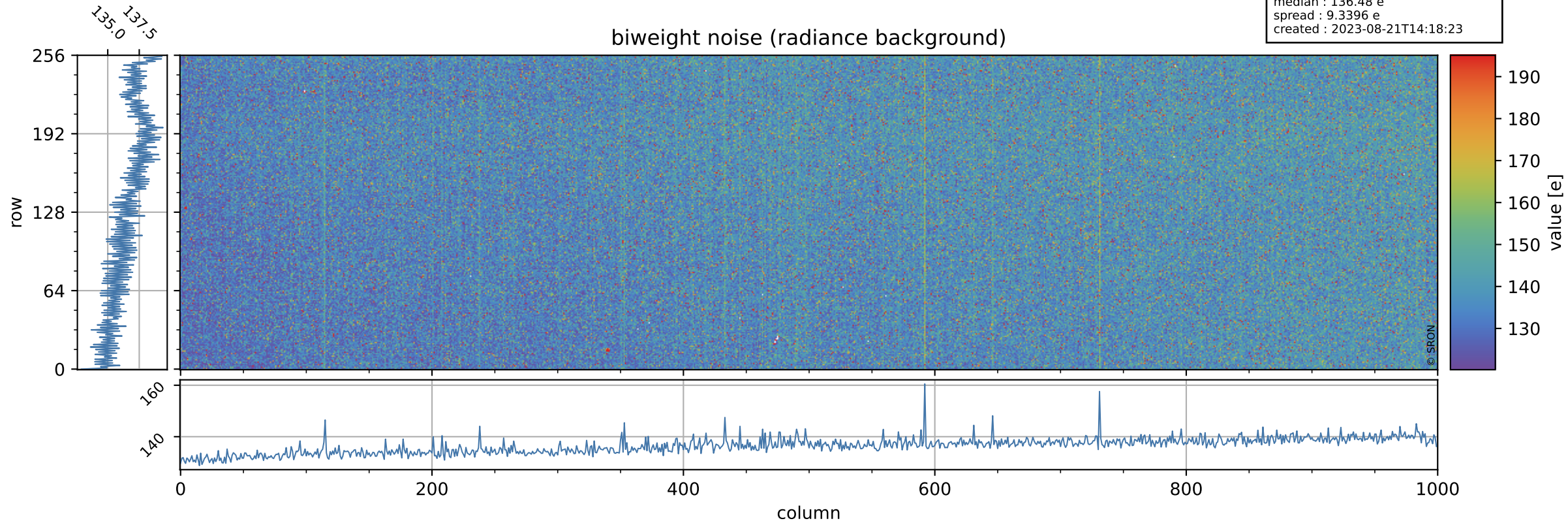
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

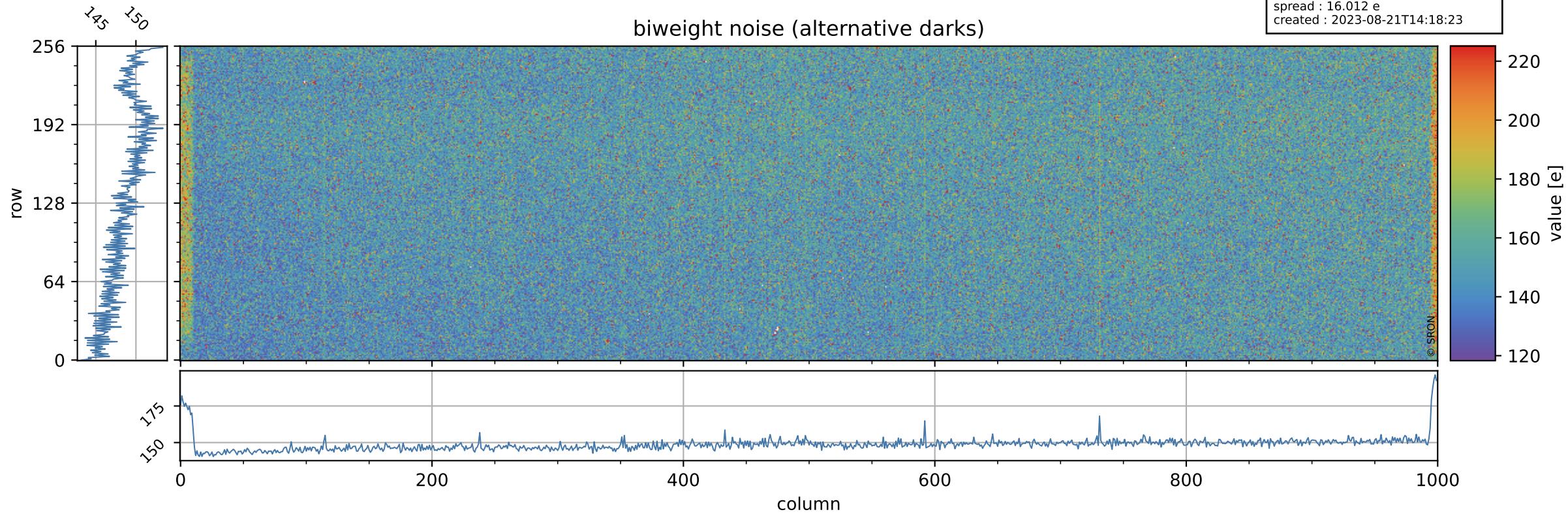
orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
n\_coad, t\_exp : 2, 0.5383  
median : 136.48 e  
spread : 9.3396 e  
created : 2023-08-21T14:18:23

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

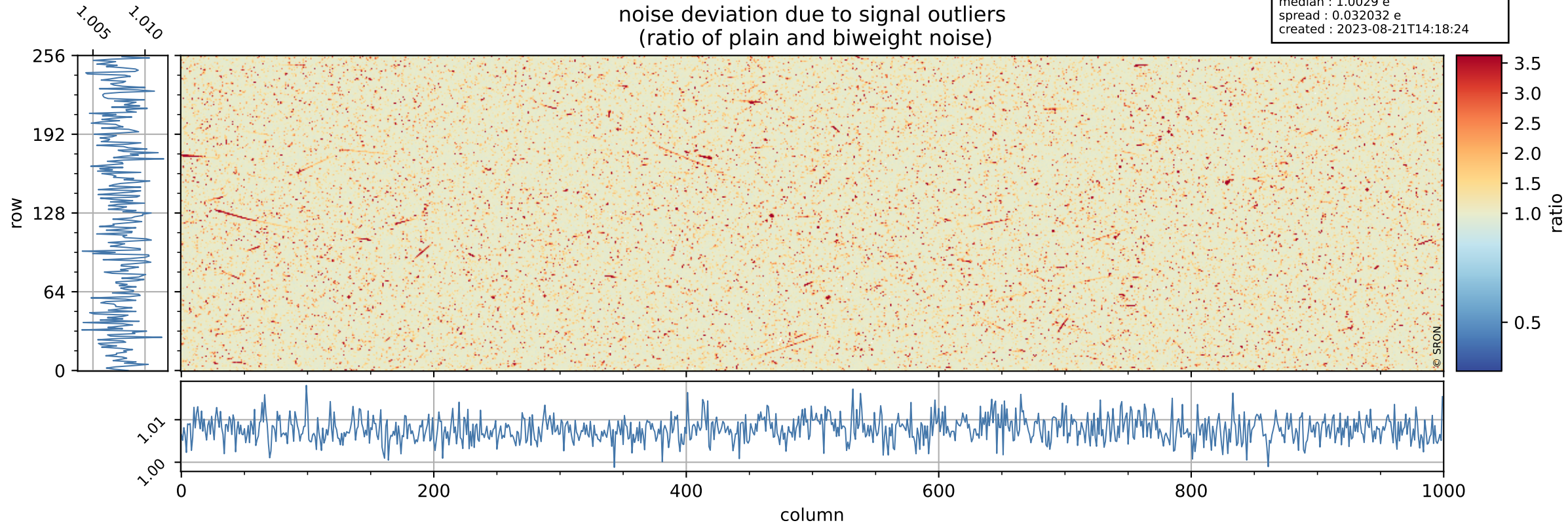
orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.4 e  
spread : 16.012 e  
created : 2023-08-21T14:18:23



# Tropomi SWIR background noise (swir)

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

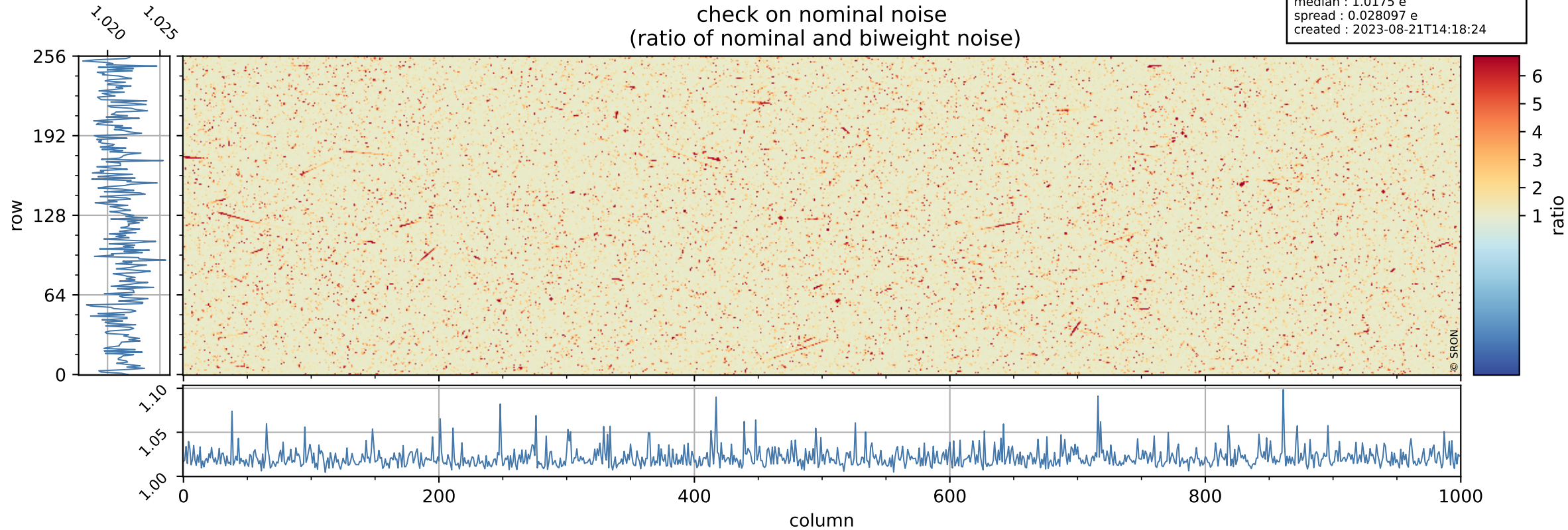
orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
median : 1.0029 e  
spread : 0.032032 e  
created : 2023-08-21T14:18:24



# Tropomi SWIR background noise (swir)

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

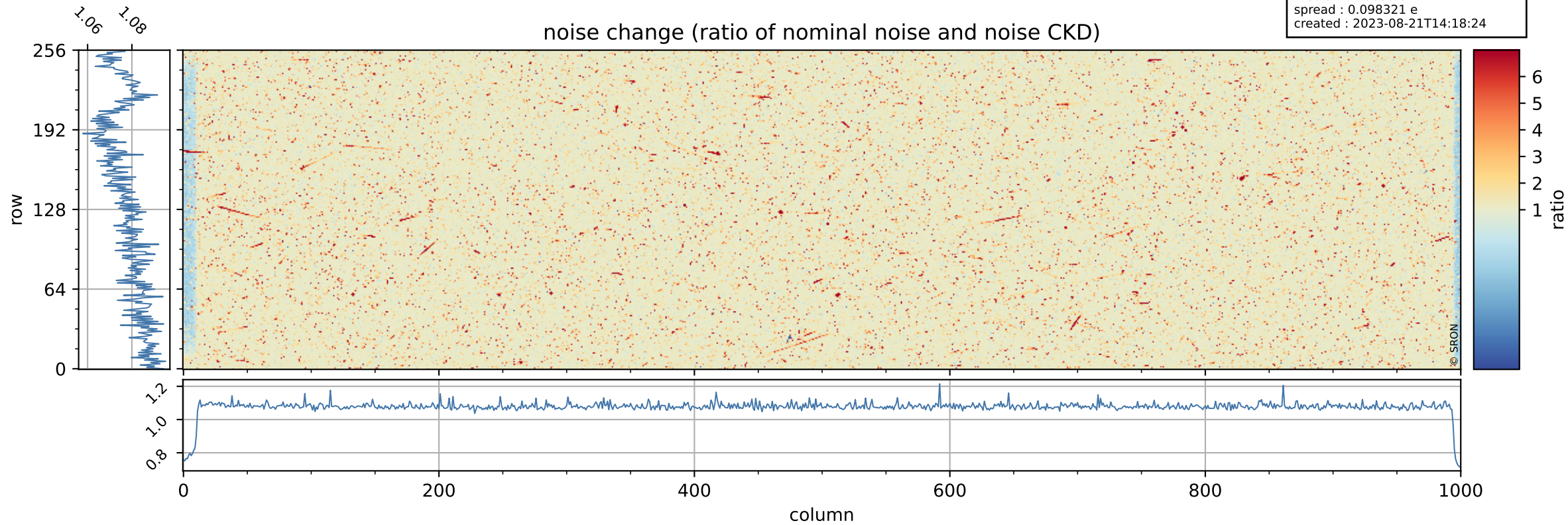
orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
median : 1.0175 e  
spread : 0.028097 e  
created : 2023-08-21T14:18:24



# Tropomi SWIR background noise (swir)

orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
median : 1.0683 e  
spread : 0.098321 e  
created : 2023-08-21T14:18:24

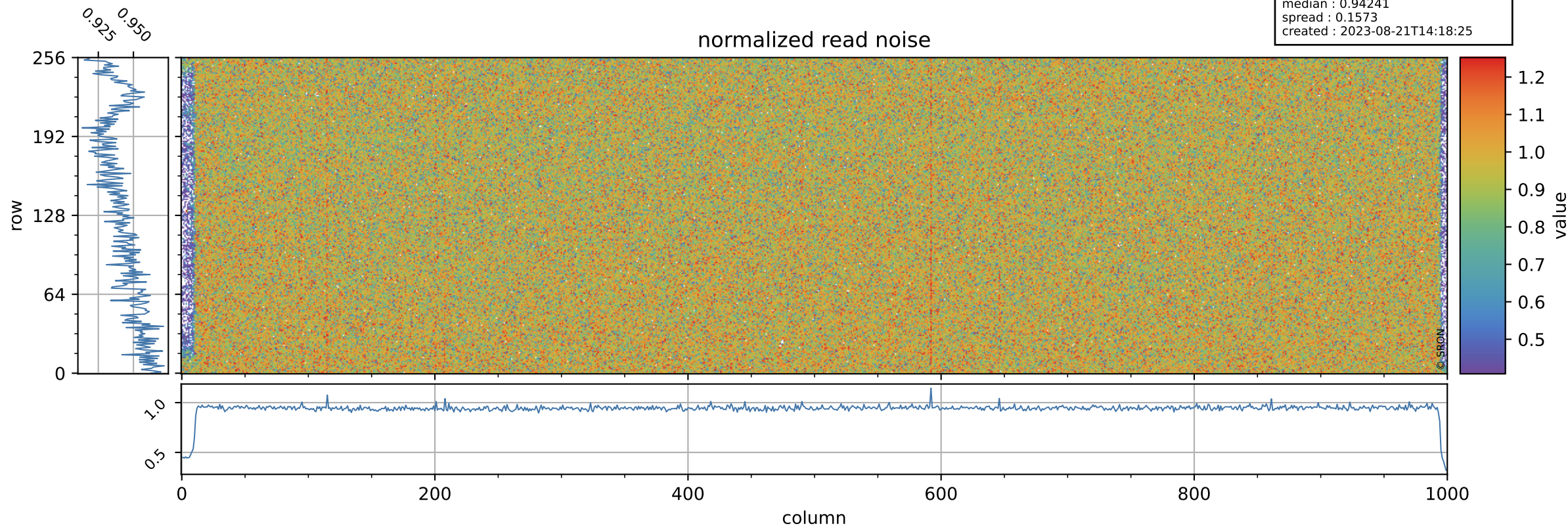
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
median : 0.94241  
spread : 0.1573  
created : 2023-08-21T14:18:25

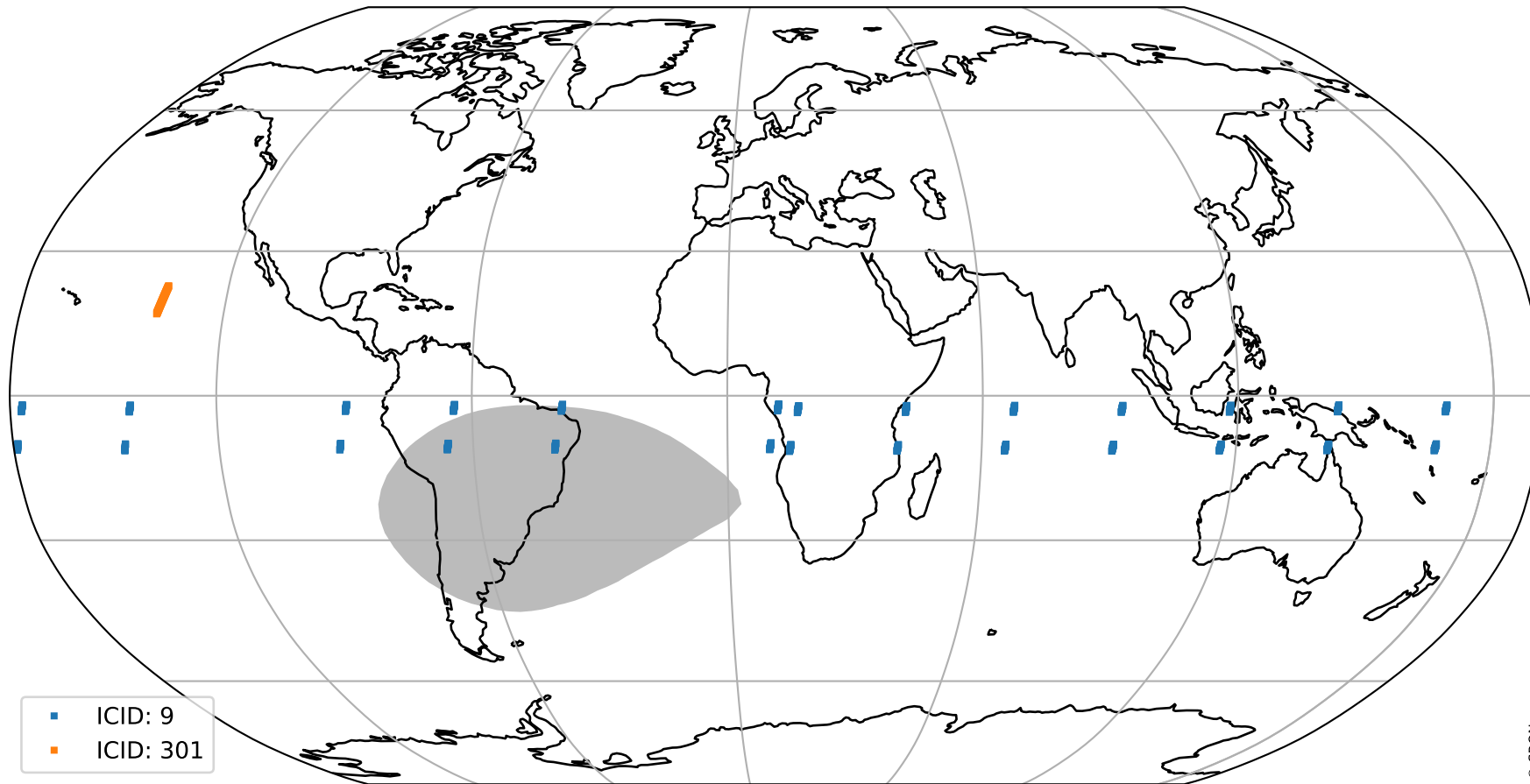
normalized read noise





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

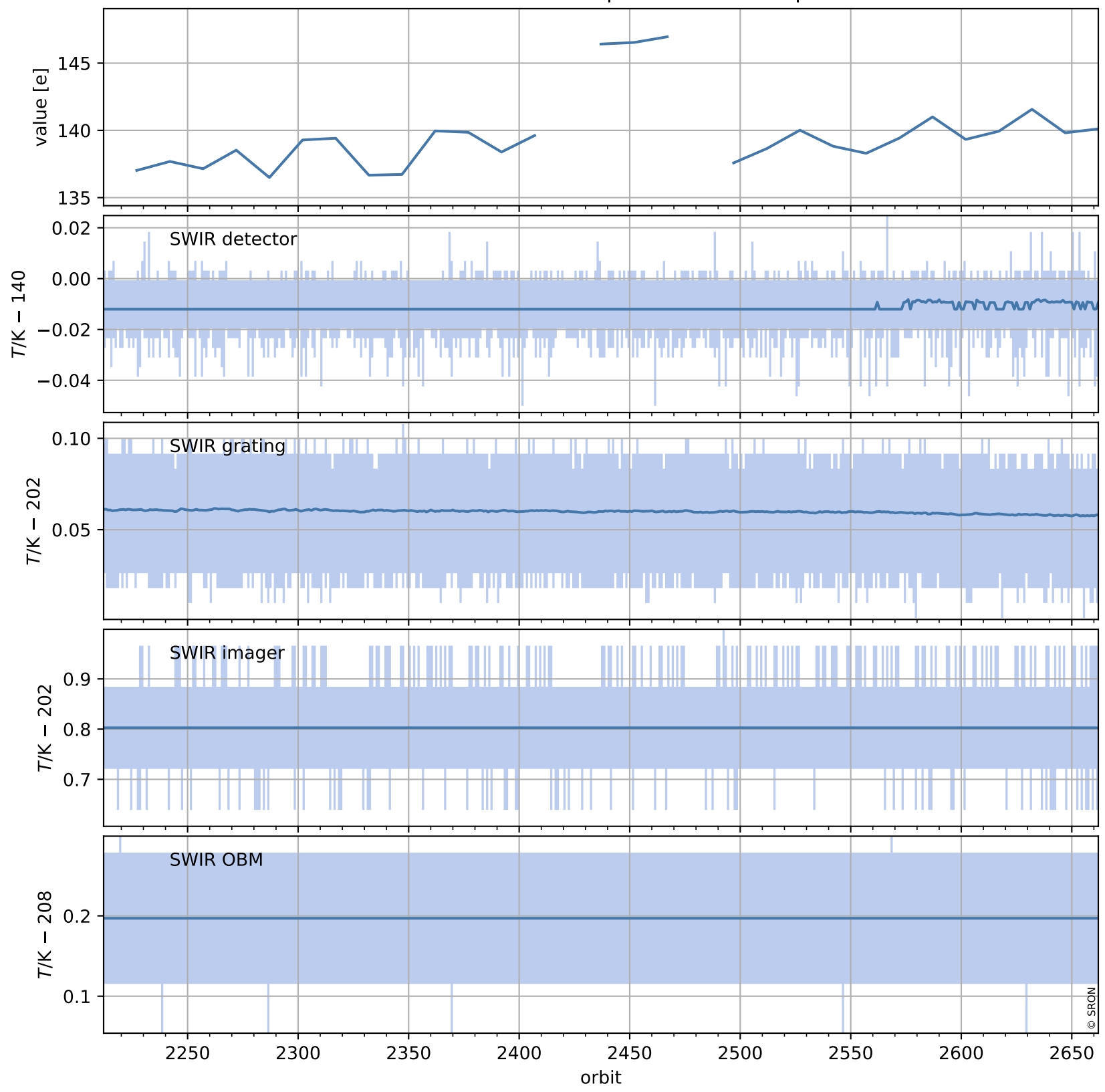
orbits : 13 in [2647, 2662]  
coverage : 2018-04-17 / 2018-04-19  
created : 2023-08-21T14:18:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 2662]  
coverage : 2018-03-18 / 2018-04-19  
created : 2023-08-21T14:18:25

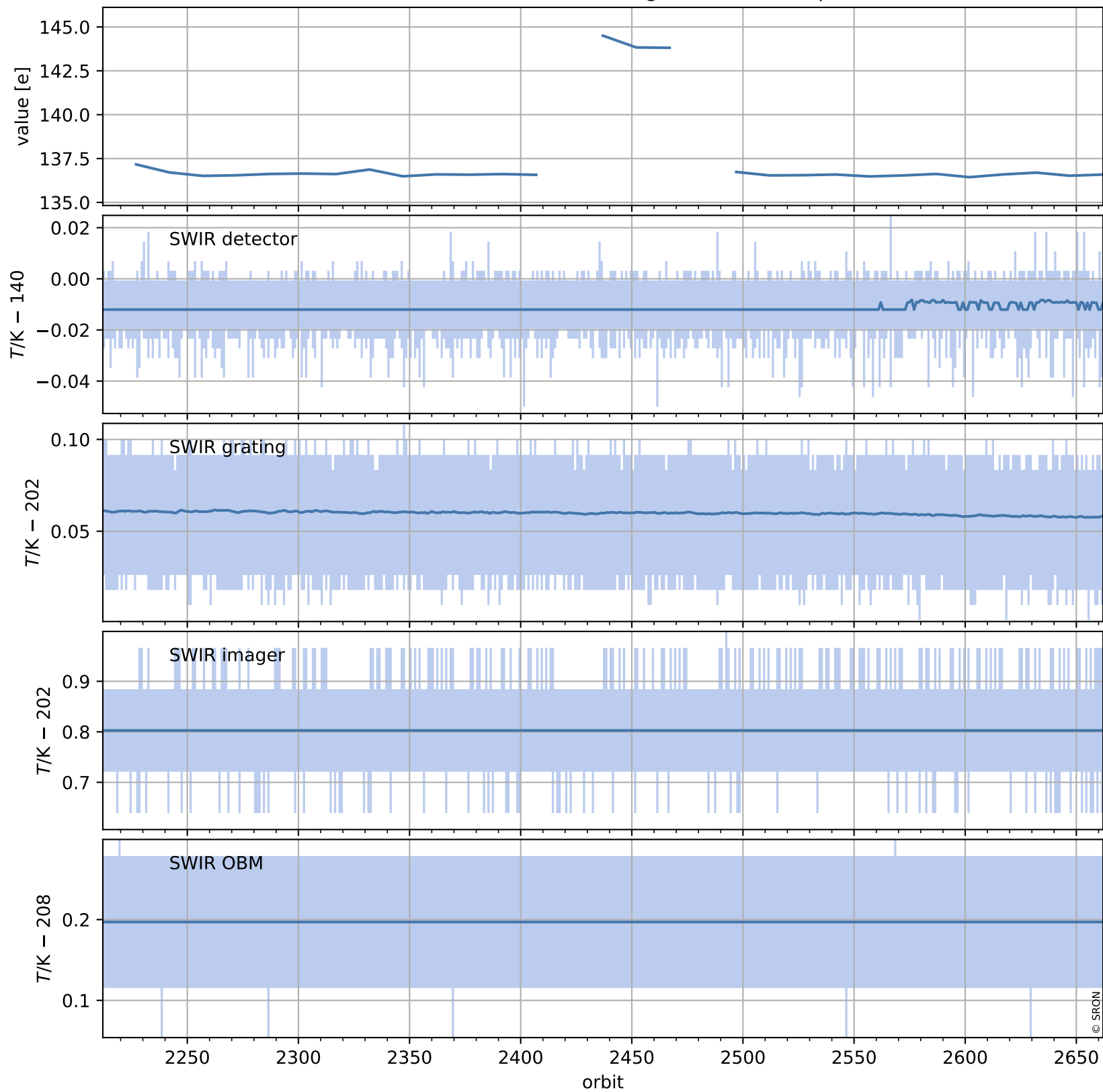
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2662]  
coverage : 2018-03-18 / 2018-04-19  
created : 2023-08-21T14:18:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2662]  
coverage : 2018-03-18 / 2018-04-19  
created : 2023-08-21T14:18:26

## trend of normalized read-noise & temperatures

