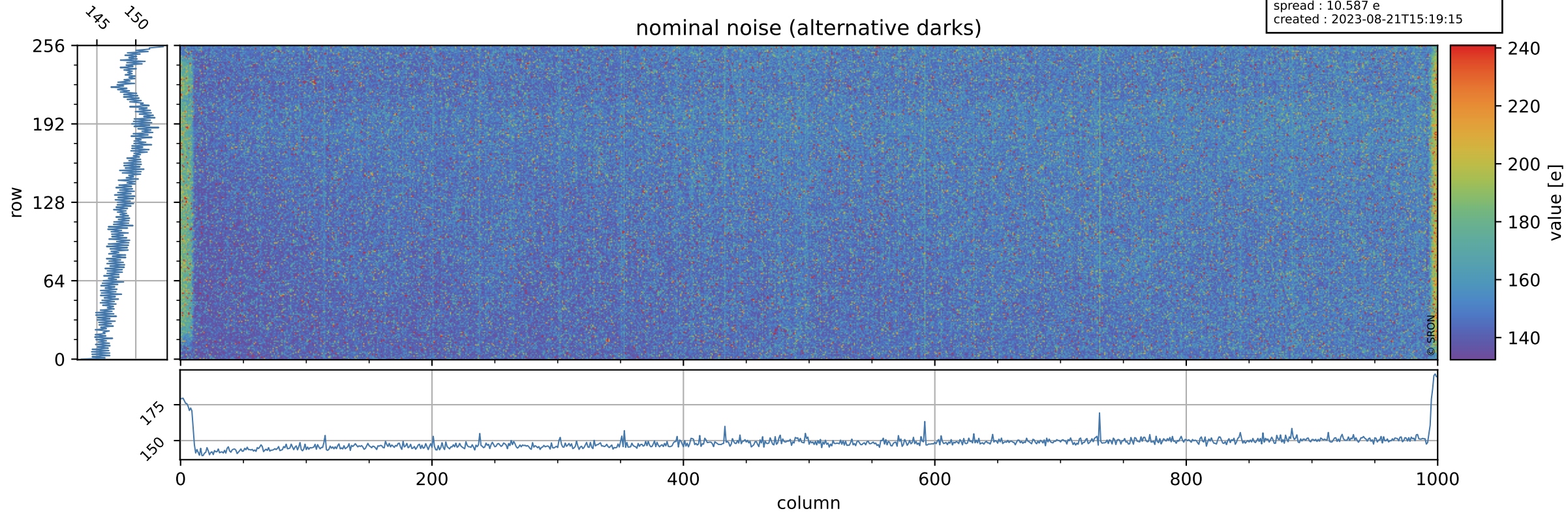


# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.587 e  
created : 2023-08-21T15:19:15

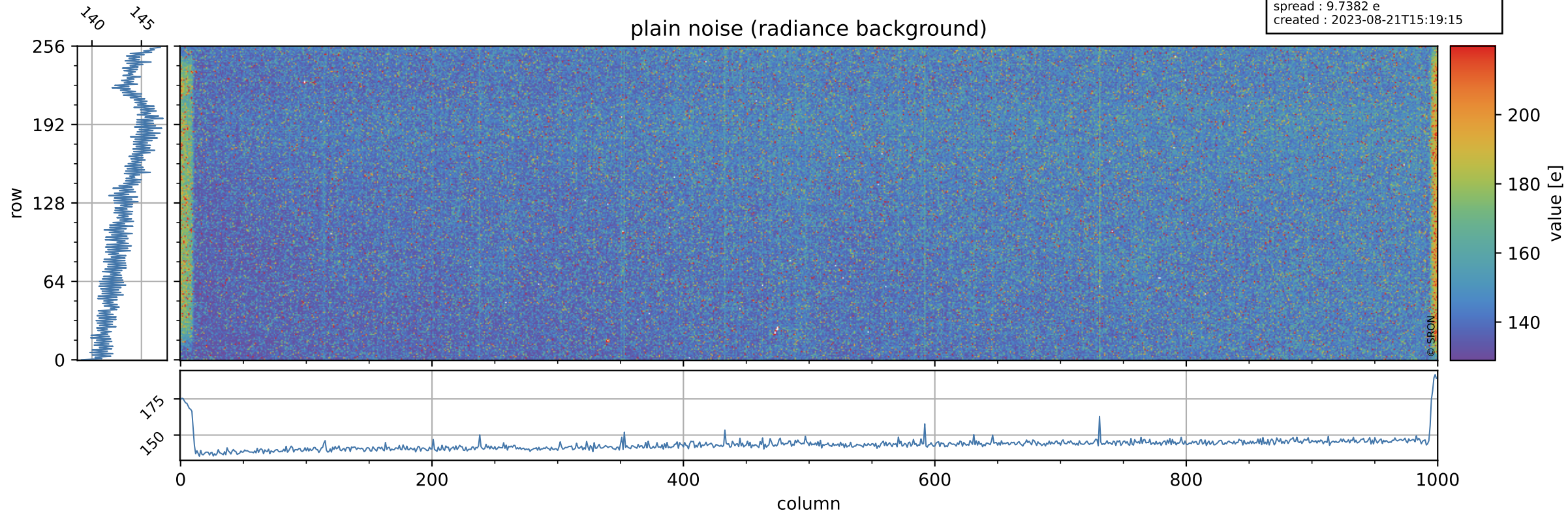
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.33 e  
spread : 9.7382 e  
created : 2023-08-21T15:19:15

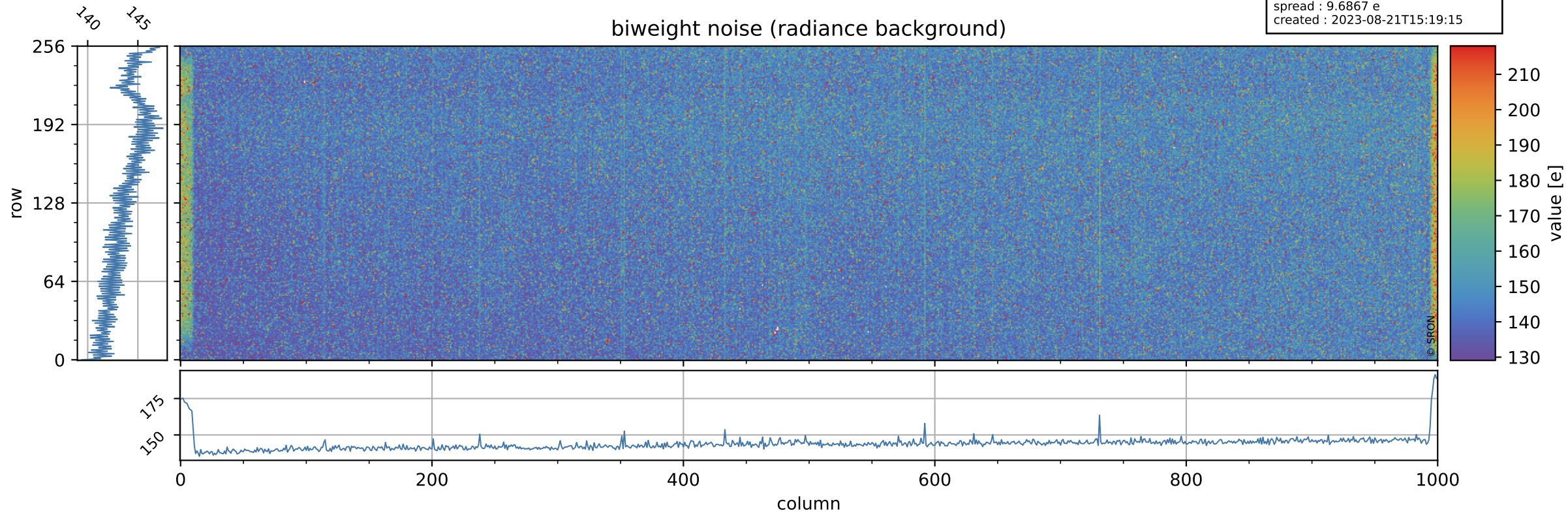
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.6867 e  
created : 2023-08-21T15:19:15

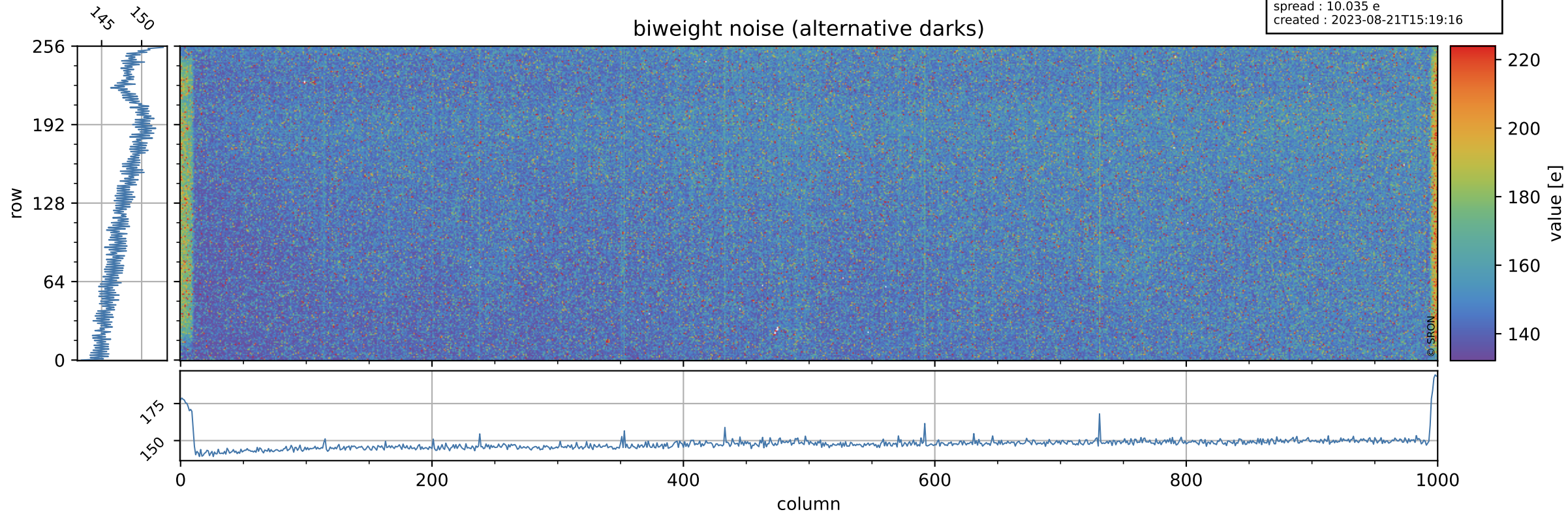
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.035 e  
created : 2023-08-21T15:19:16

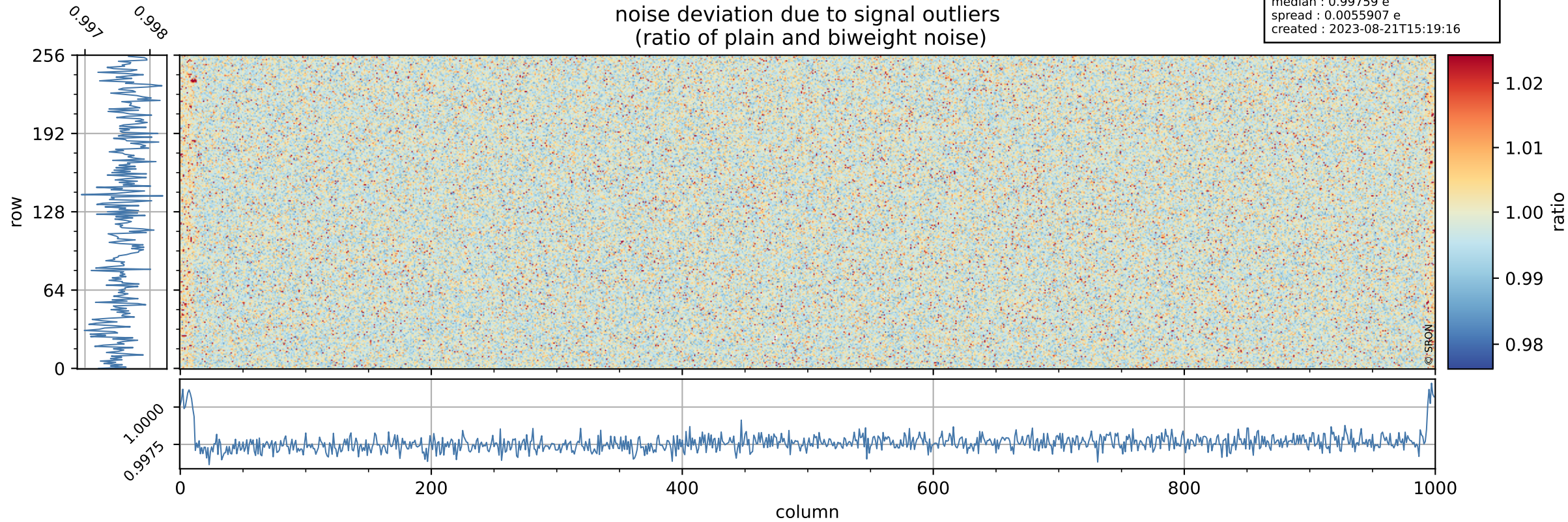
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

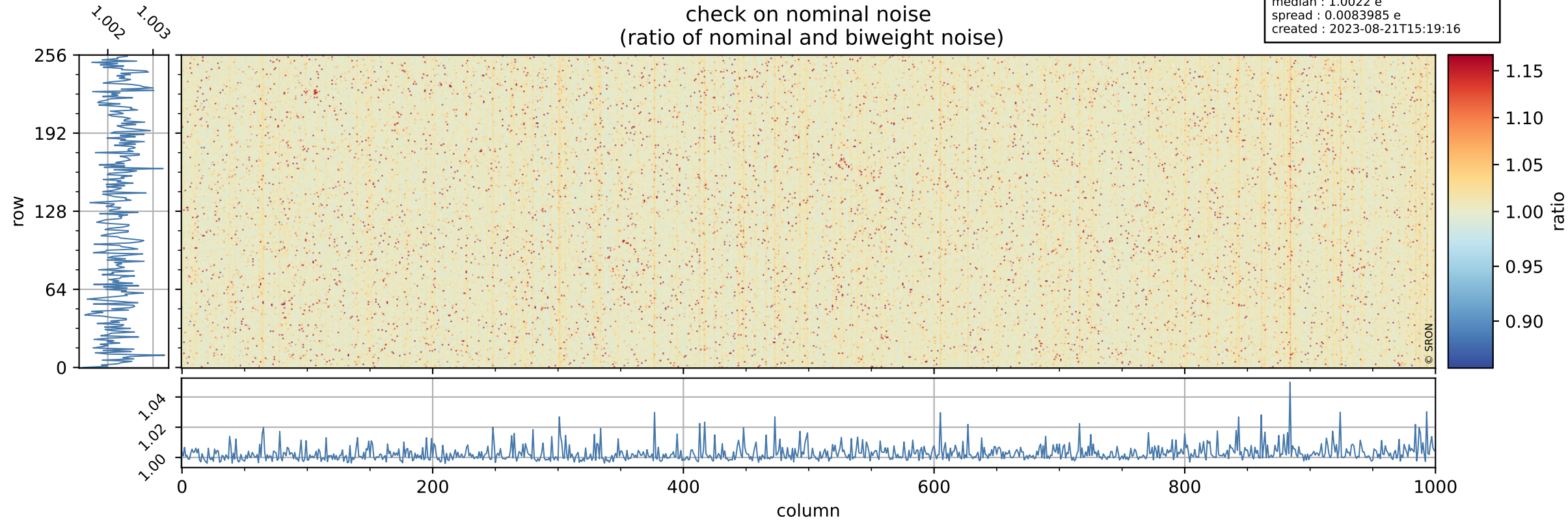
orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
median : 0.99759 e  
spread : 0.0055907 e  
created : 2023-08-21T15:19:16



# Tropomi SWIR background noise (swir)

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

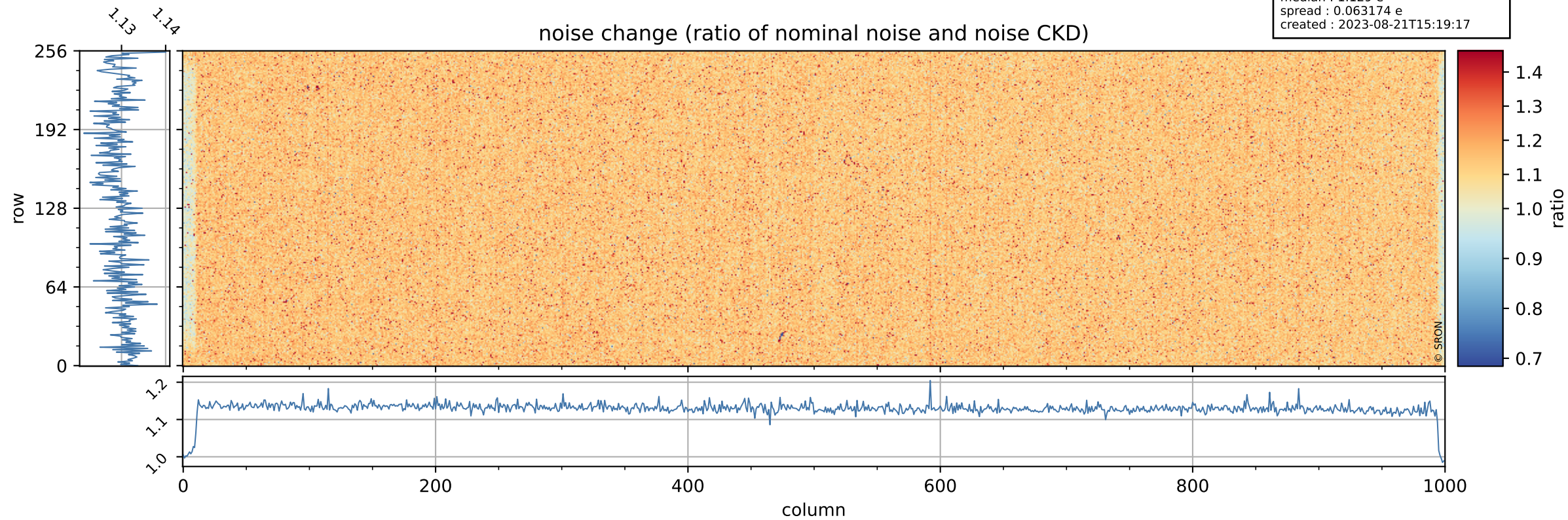
orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
median : 1.0022 e  
spread : 0.0083985 e  
created : 2023-08-21T15:19:16



# Tropomi SWIR background noise (swir)

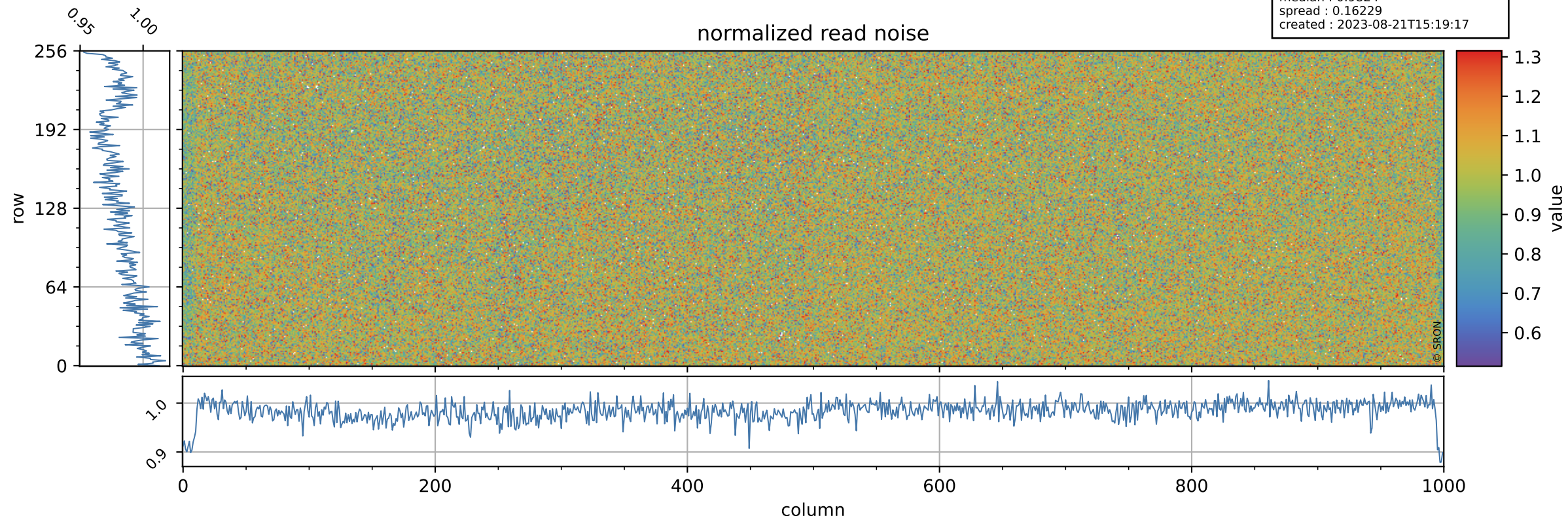
orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
median : 1.129 e  
spread : 0.063174 e  
created : 2023-08-21T15:19:17

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

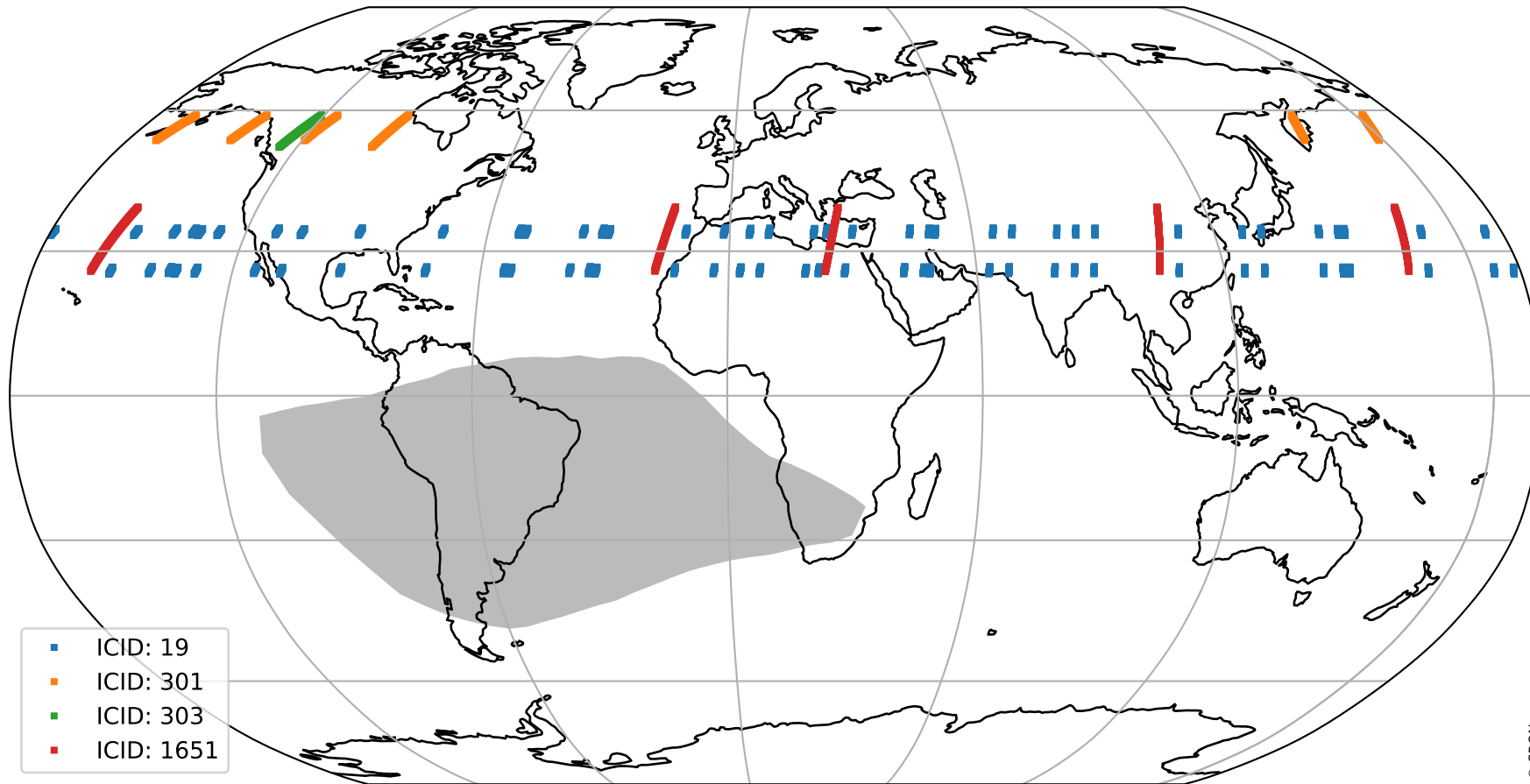
orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
median : 0.9824  
spread : 0.16229  
created : 2023-08-21T15:19:17





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

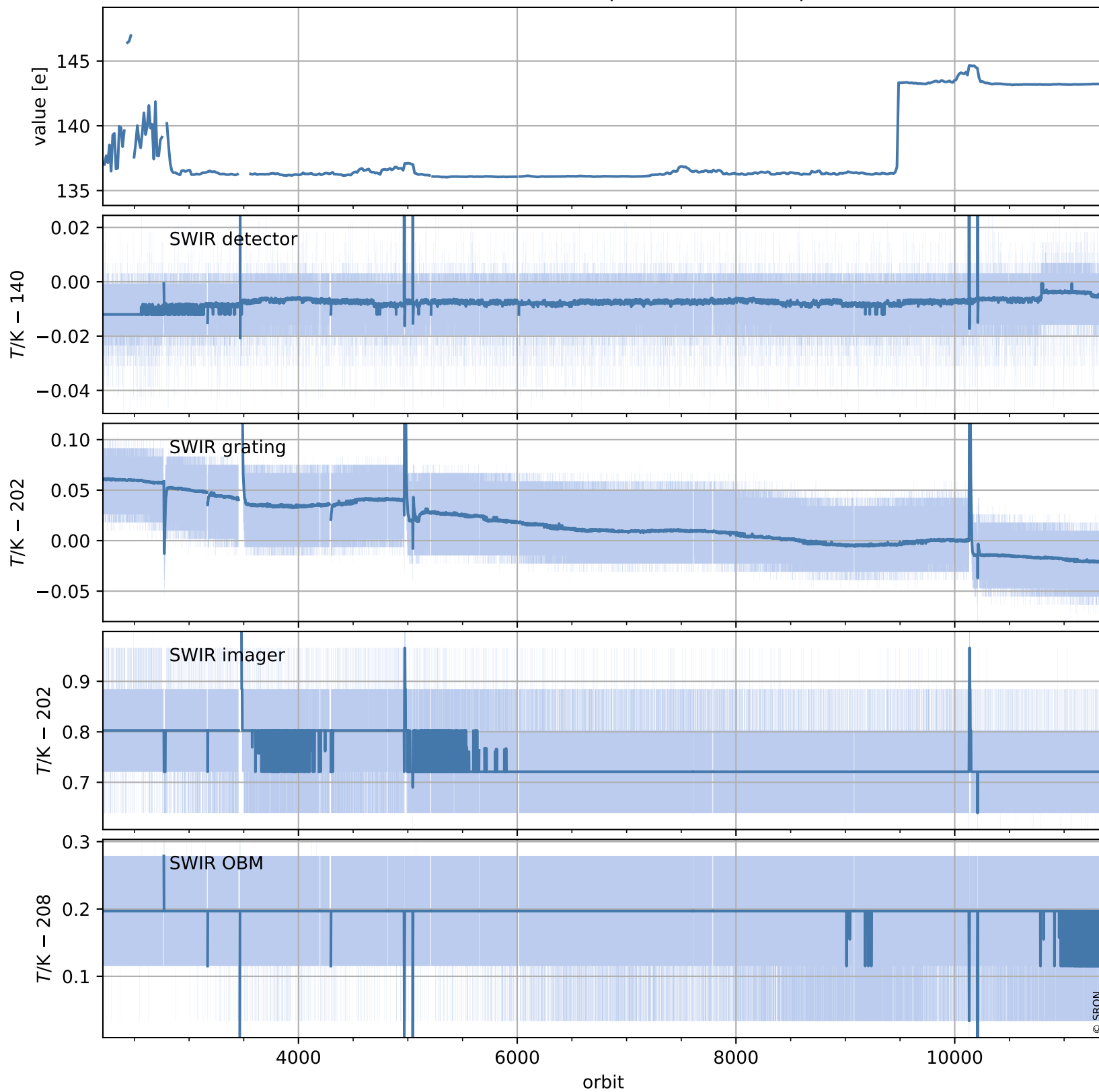
orbits : 12 in [11287, 11362]  
coverage : 2019-12-17 / 2019-12-22  
created : 2023-08-21T15:19:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 11362]  
coverage : 2018-03-18 / 2019-12-22  
created : 2023-08-21T15:19:18

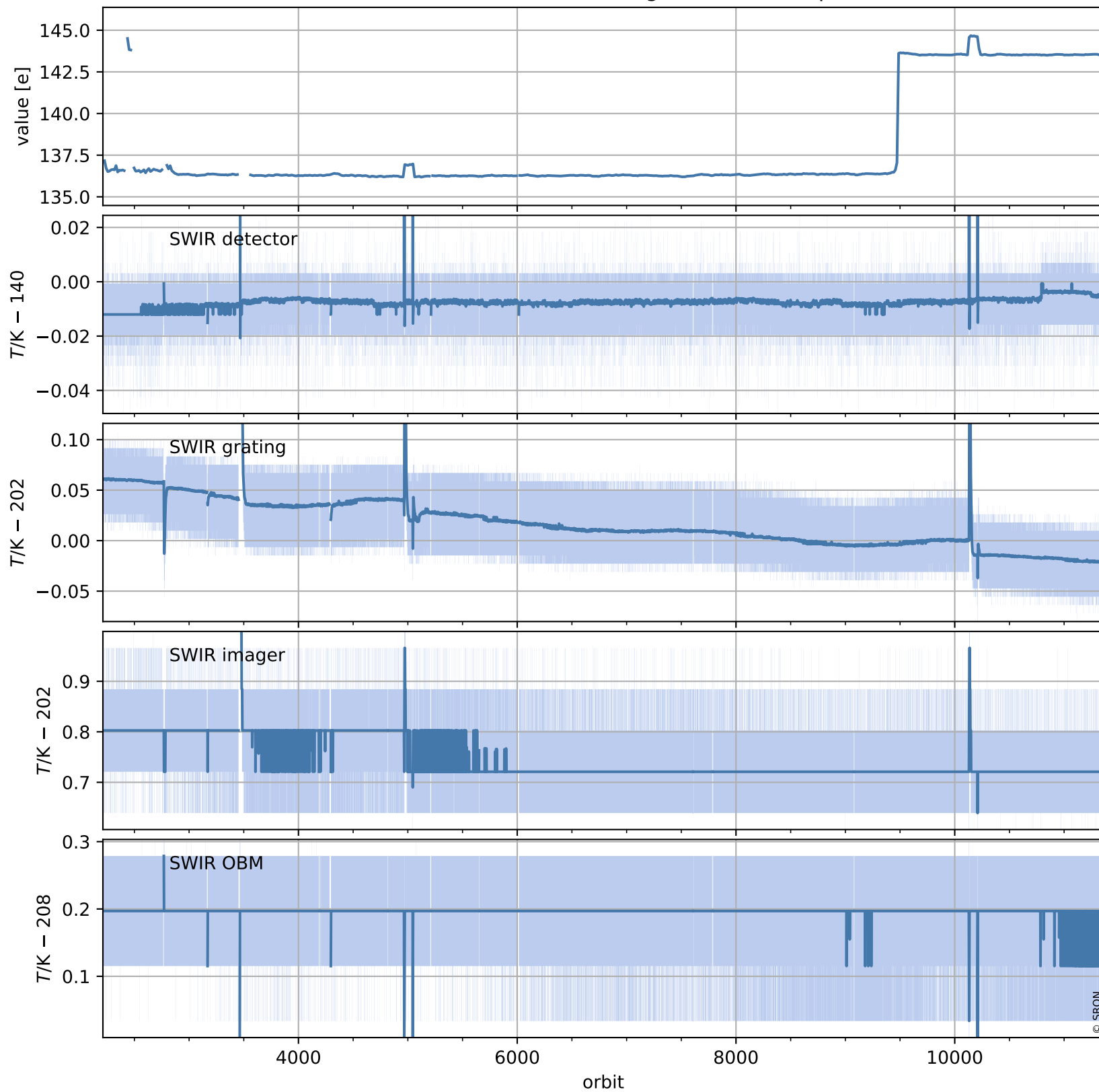
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11362]  
coverage : 2018-03-18 / 2019-12-22  
created : 2023-08-21T15:19:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11362]  
coverage : 2018-03-18 / 2019-12-22  
created : 2023-08-21T15:19:19

## trend of normalized read-noise & temperatures

