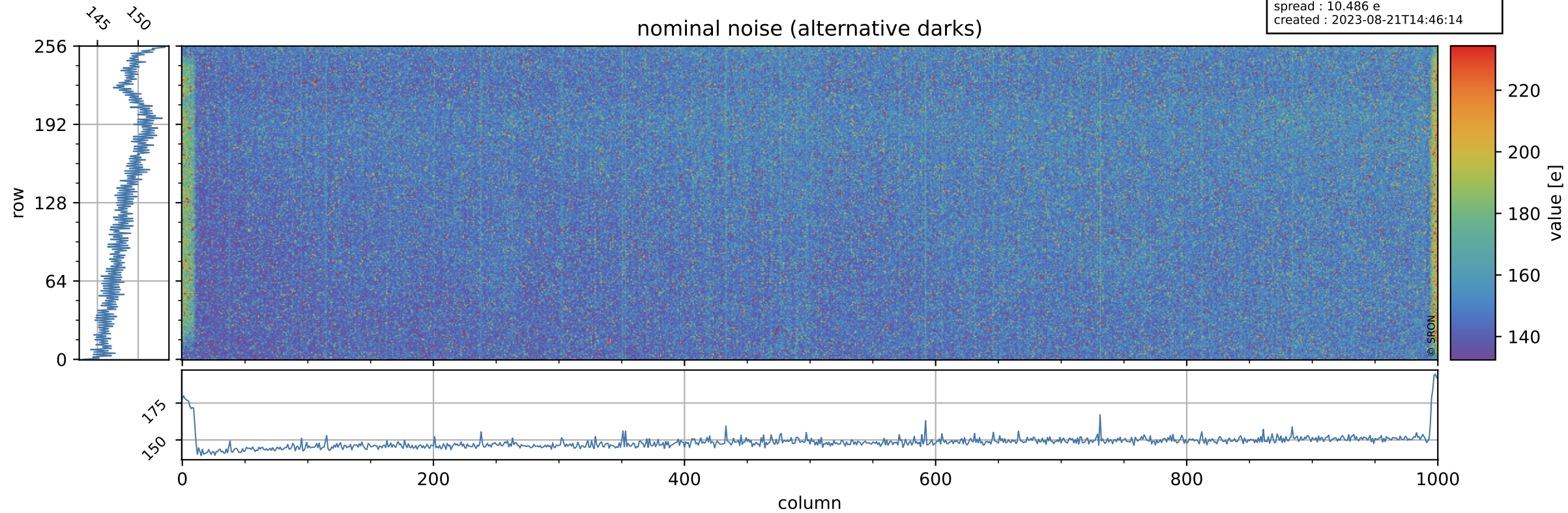


# Tropomi SWIR background noise (swir)

orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.486 e  
created : 2023-08-21T14:46:14

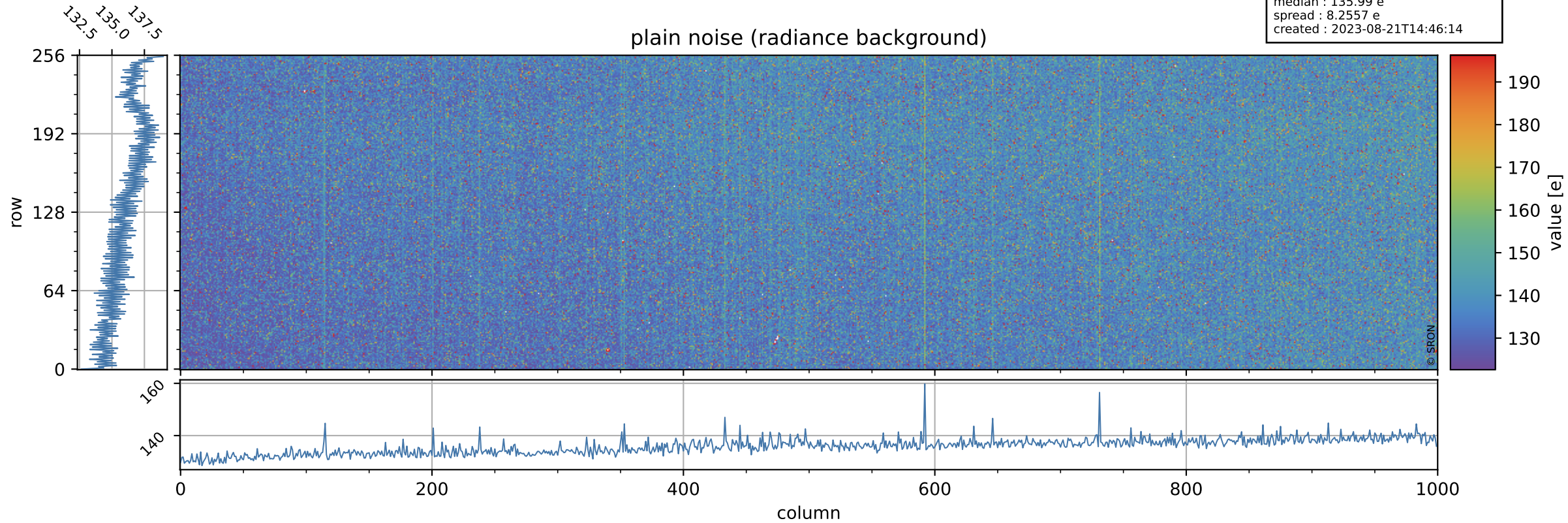
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
n\_coad, t\_exp : 2, 0.5383  
median : 135.99 e  
spread : 8.2557 e  
created : 2023-08-21T14:46:14

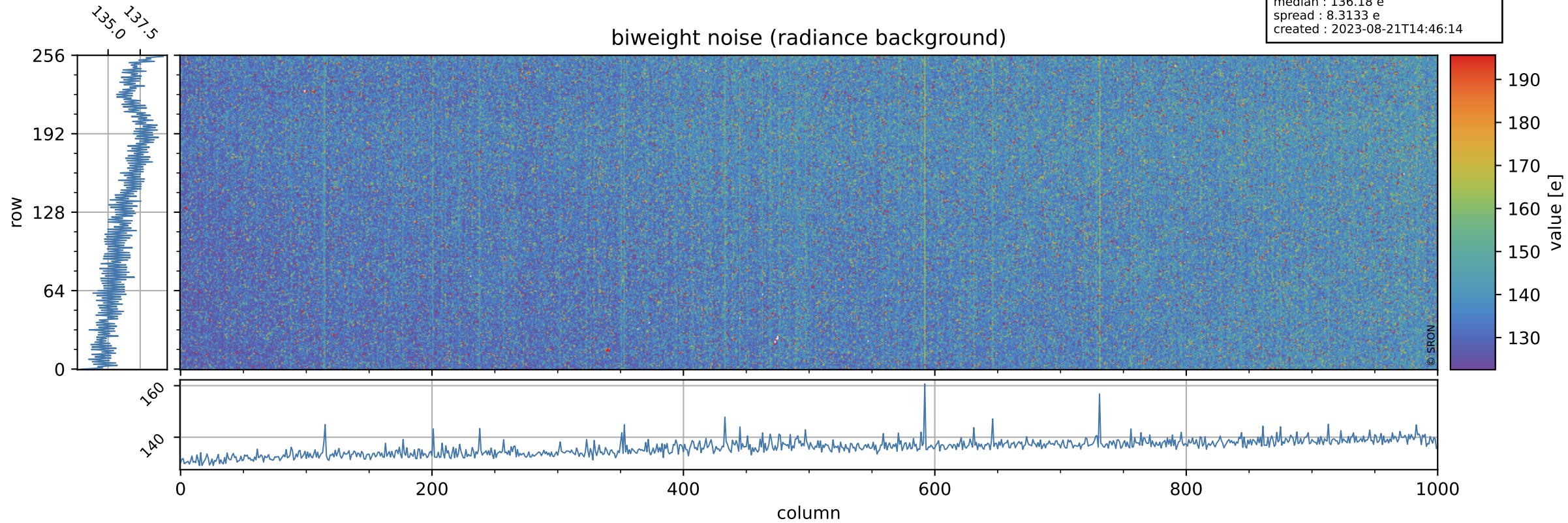
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

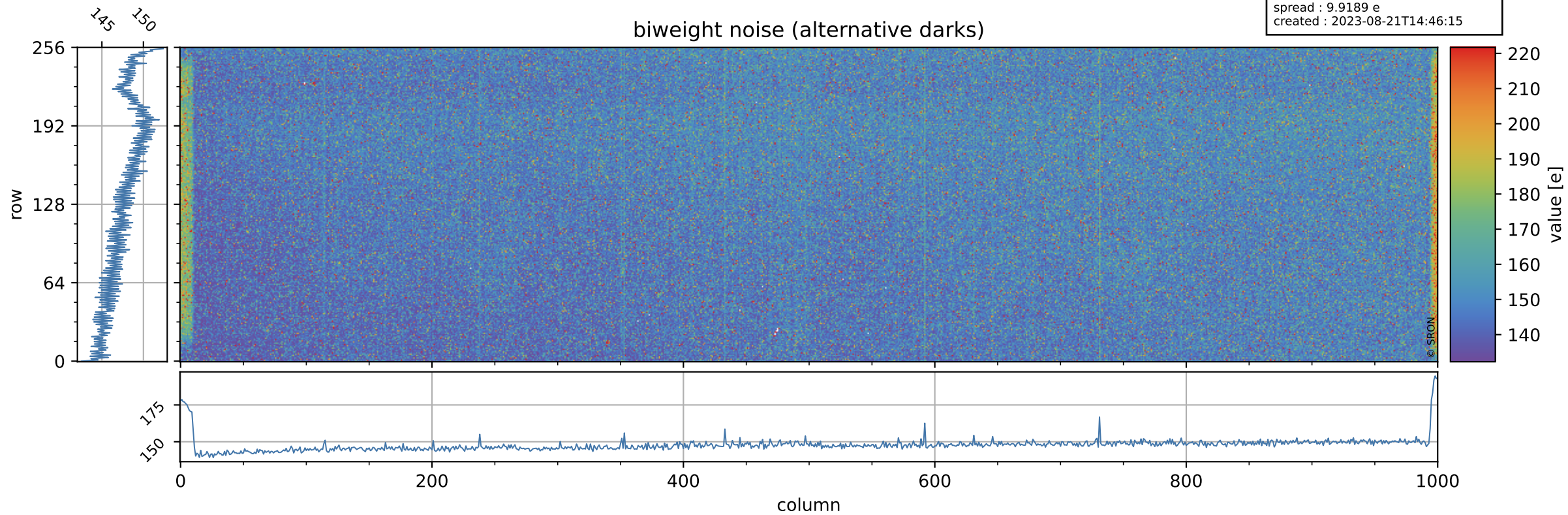
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.3133 e  
created : 2023-08-21T14:46:14

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

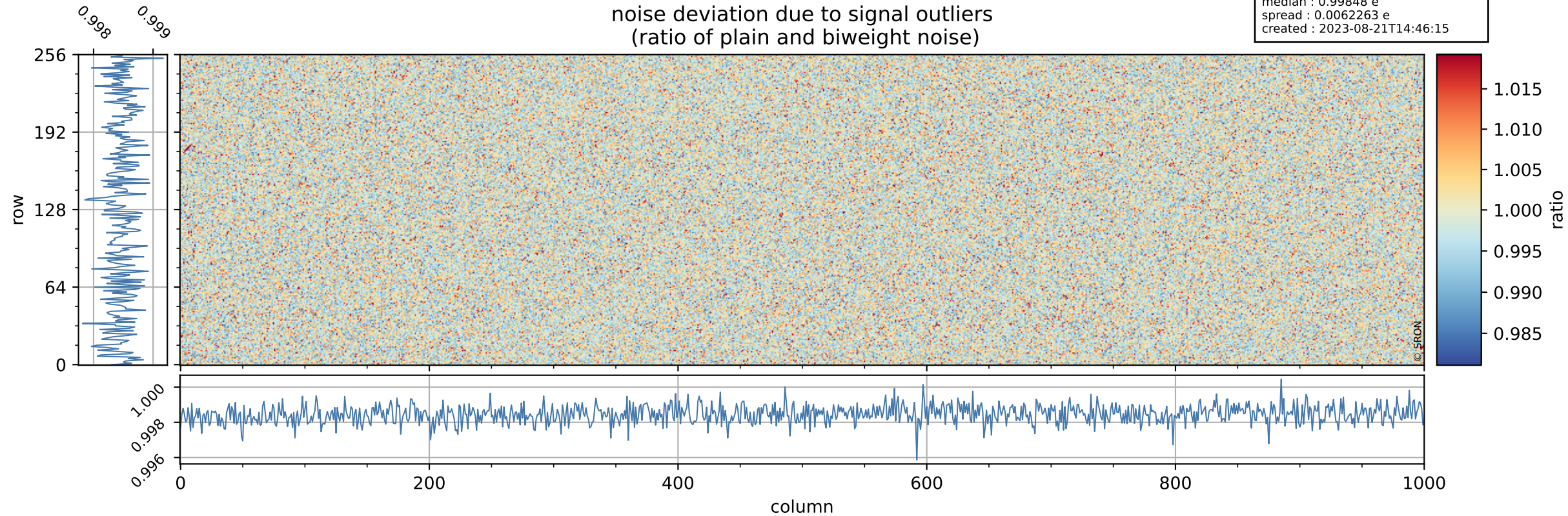
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.9189 e  
created : 2023-08-21T14:46:15



# Tropomi SWIR background noise (swir)

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

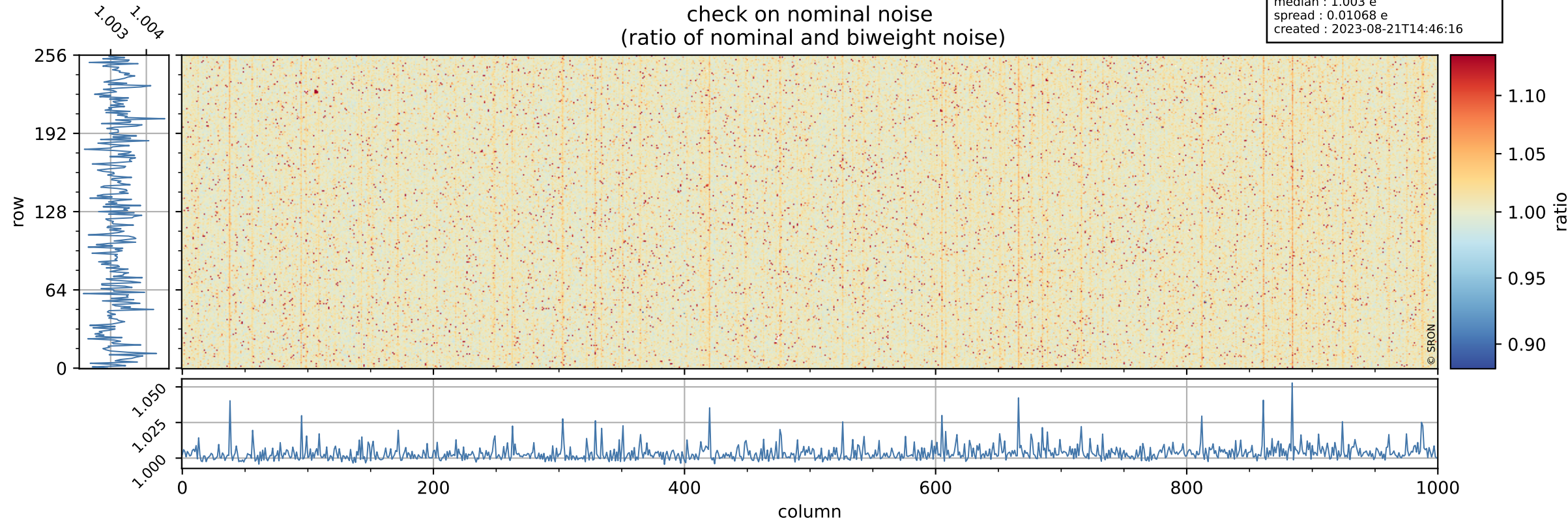
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
median : 0.99848 e  
spread : 0.0062263 e  
created : 2023-08-21T14:46:15



# Tropomi SWIR background noise (swir)

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

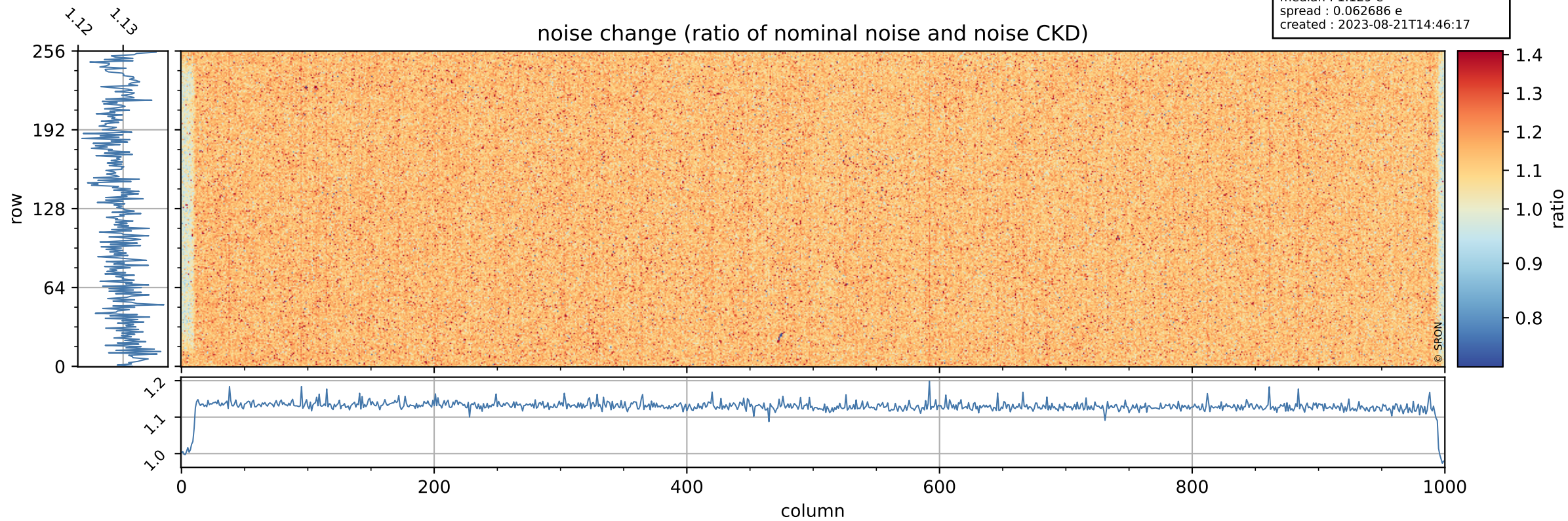
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
median : 1.003 e  
spread : 0.01068 e  
created : 2023-08-21T14:46:16



# Tropomi SWIR background noise (swir)

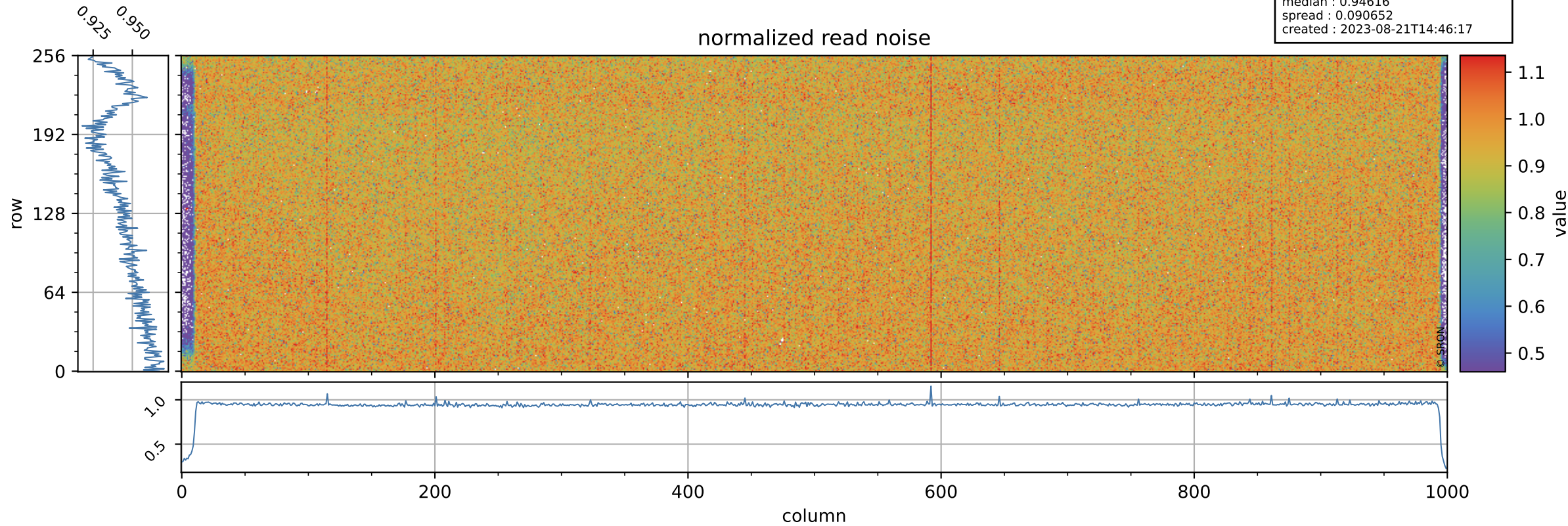
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
median : 1.129 e  
spread : 0.062686 e  
created : 2023-08-21T14:46:17

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

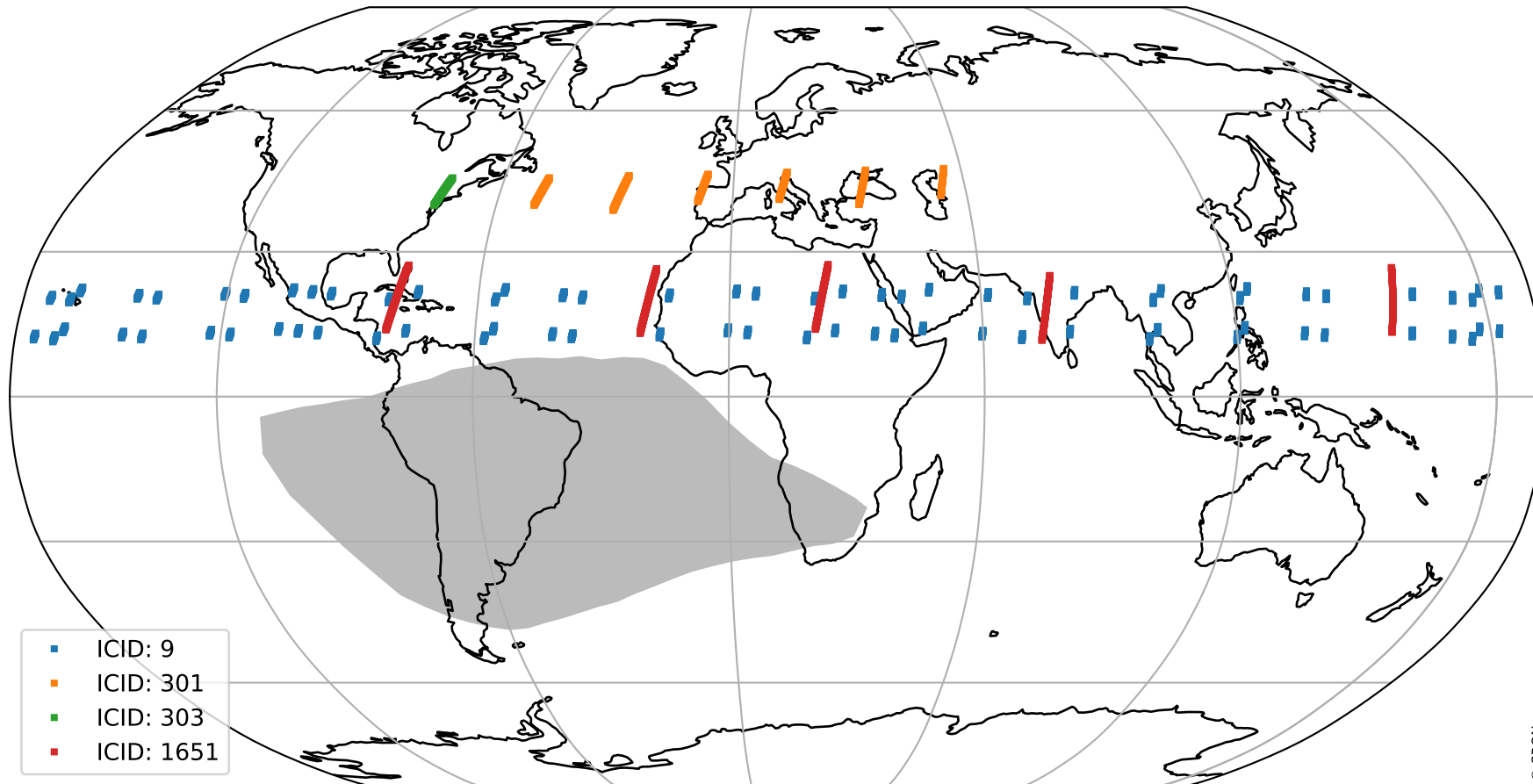
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
median : 0.94616  
spread : 0.090652  
created : 2023-08-21T14:46:17





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

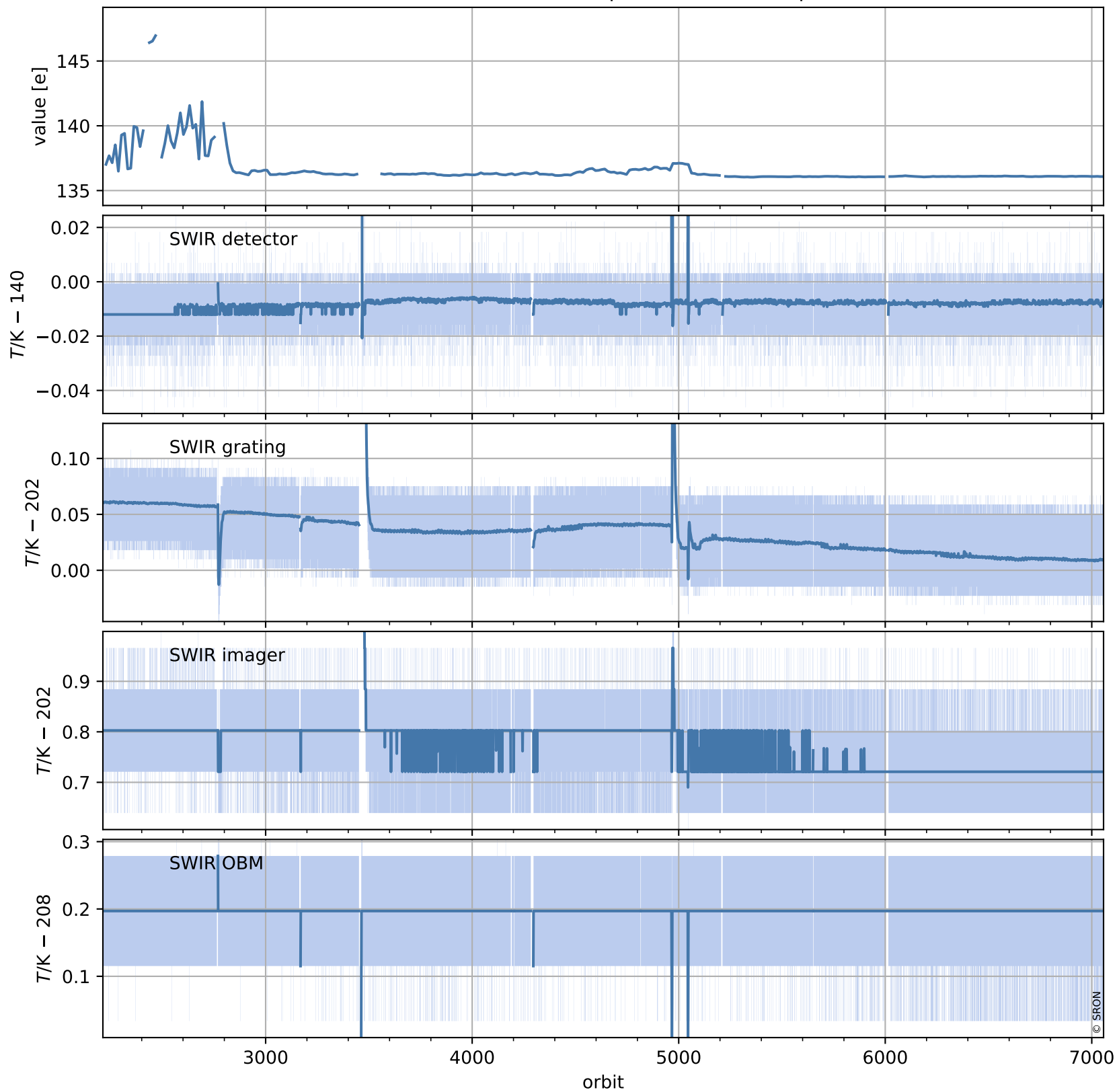
orbits : 12 in [6967, 7057]  
coverage : 2019-02-16 / 2019-02-22  
created : 2023-08-21T14:46:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 7057]  
coverage : 2018-03-18 / 2019-02-22  
created : 2023-08-21T14:46:18

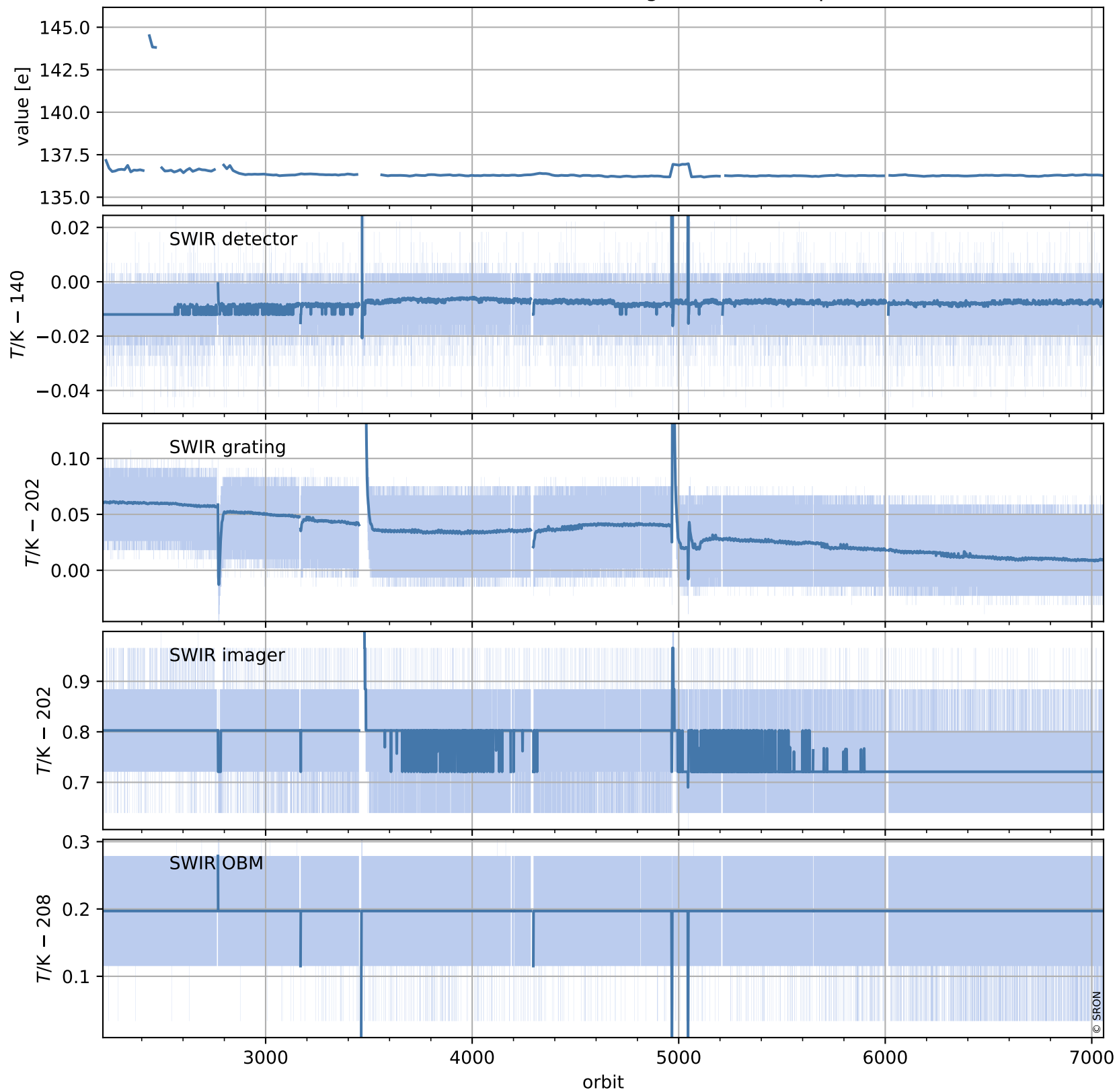
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7057]  
coverage : 2018-03-18 / 2019-02-22  
created : 2023-08-21T14:46:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7057]  
coverage : 2018-03-18 / 2019-02-22  
created : 2023-08-21T14:46:19

## trend of normalized read-noise & temperatures

