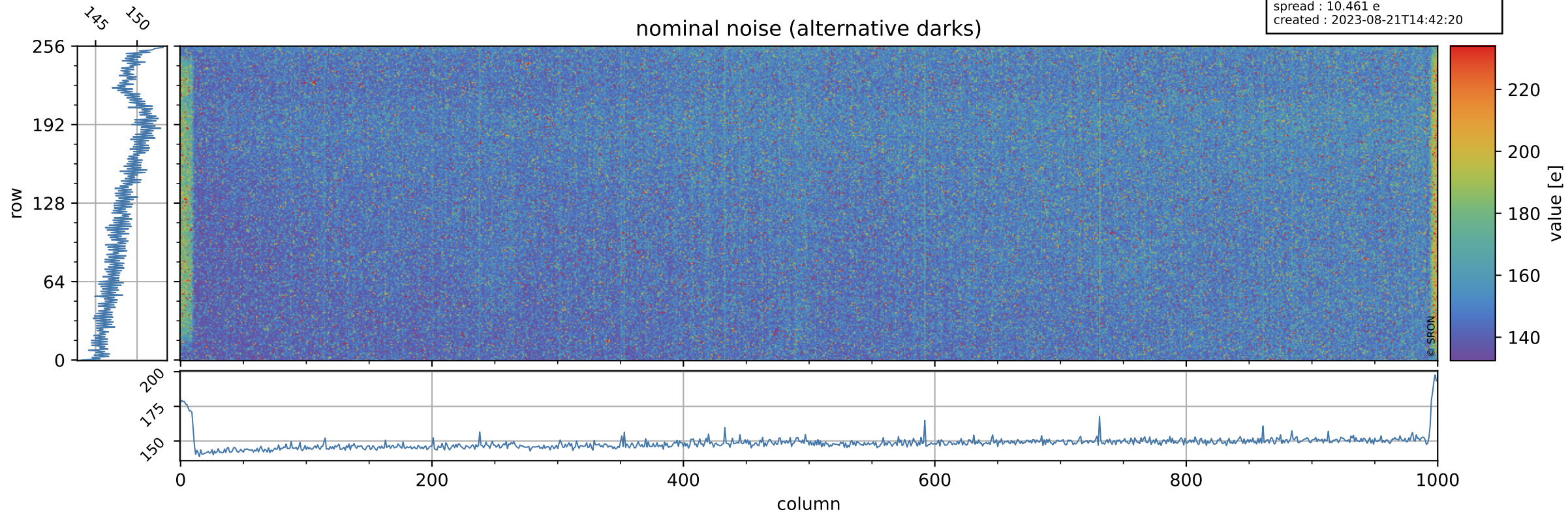


Tropomi SWIR background noise (swir)

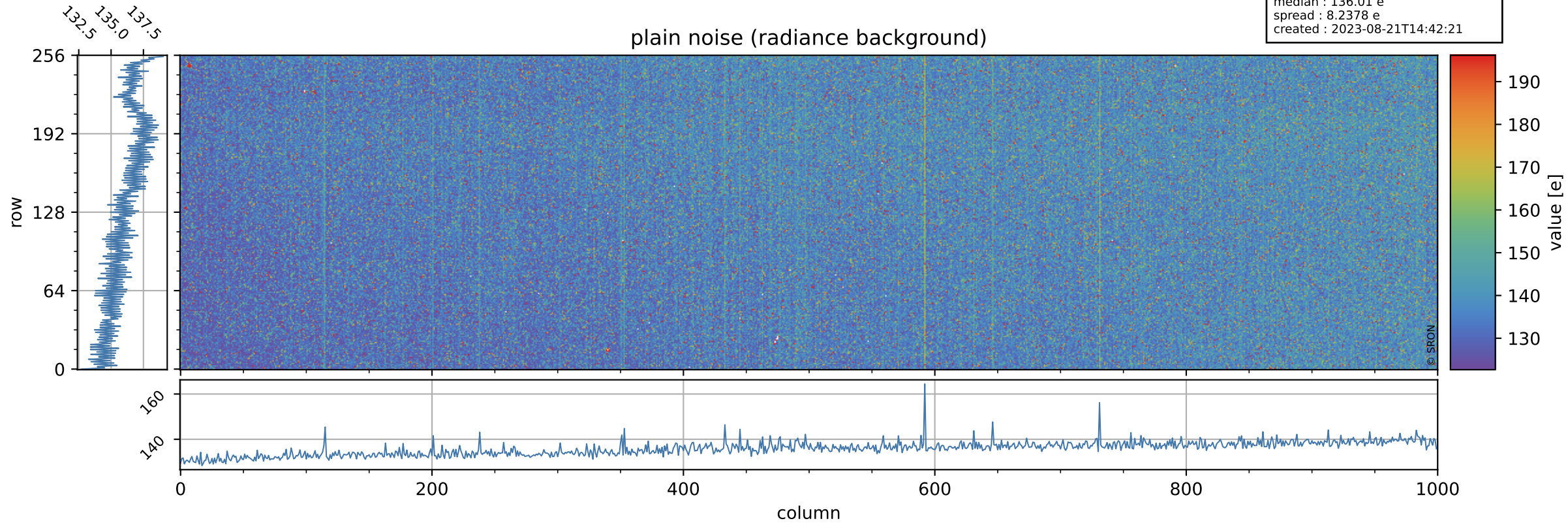
orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
n_coad, t_exp : 1, 1.0783
median : 148.36 e
spread : 10.461 e
created : 2023-08-21T14:42:20



Tropomi SWIR background noise (swir)

orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
n_coad, t_exp : 2, 0.5383
median : 136.01 e
spread : 8.2378 e
created : 2023-08-21T14:42:21

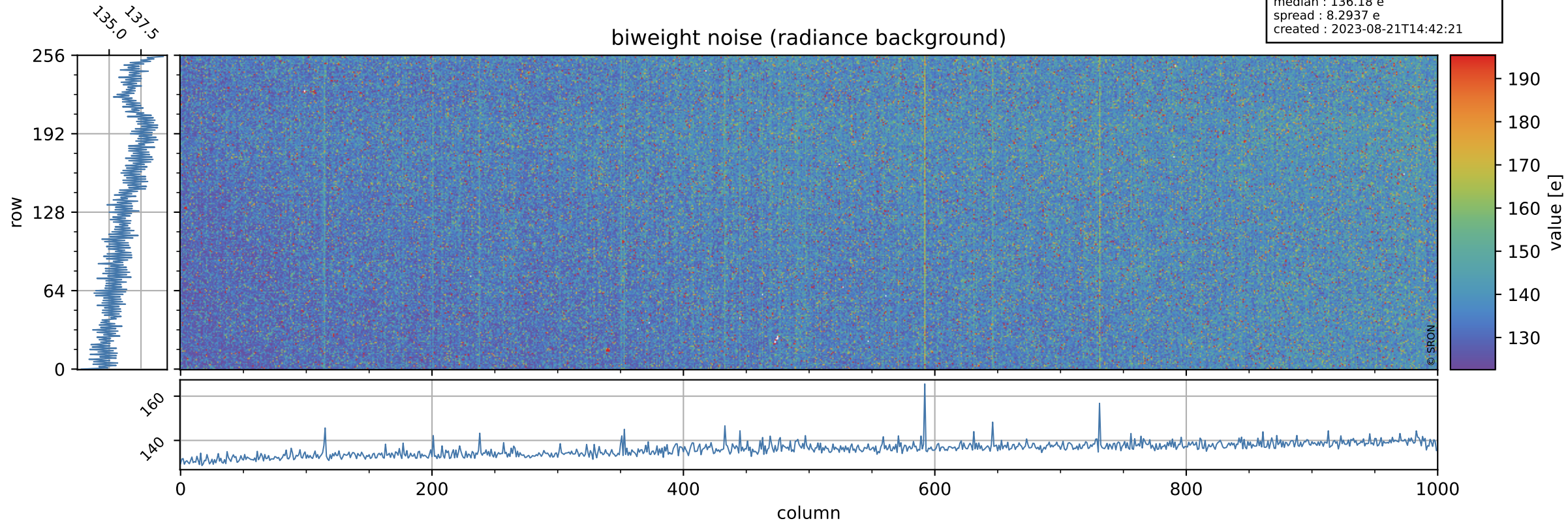
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
n_coad, t_exp : 2, 0.5383
median : 136.18 e
spread : 8.2937 e
created : 2023-08-21T14:42:21

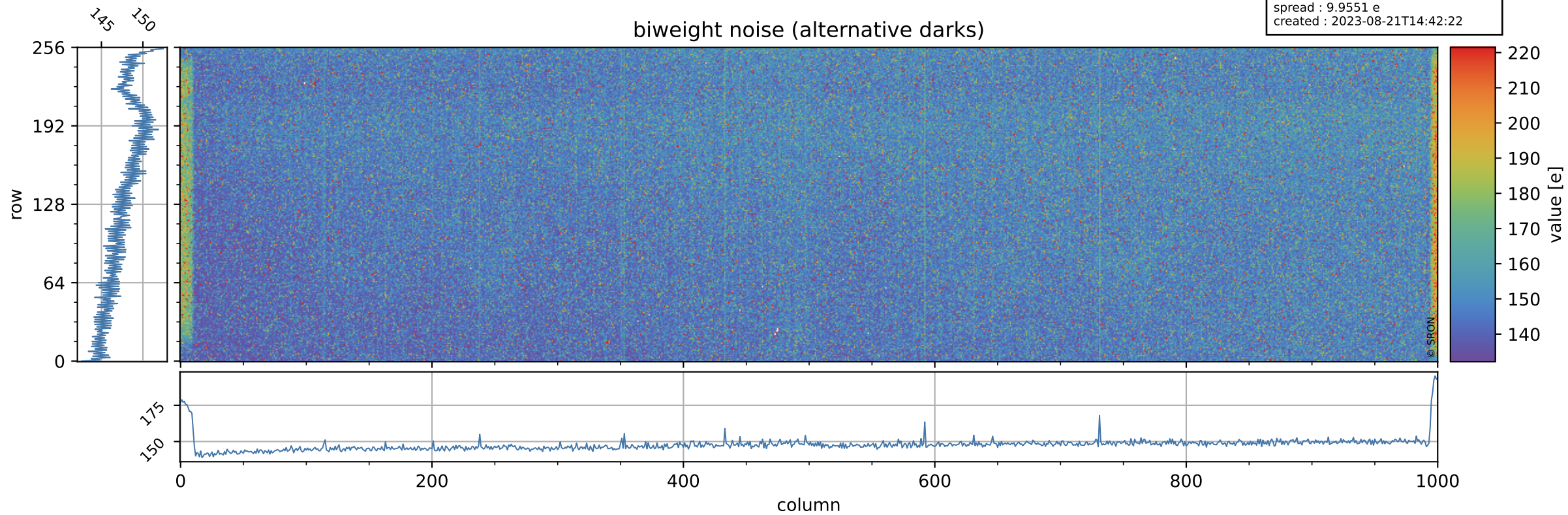
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
n_coad, t_exp : 1, 1.0783
median : 147.55 e
spread : 9.9551 e
created : 2023-08-21T14:42:22

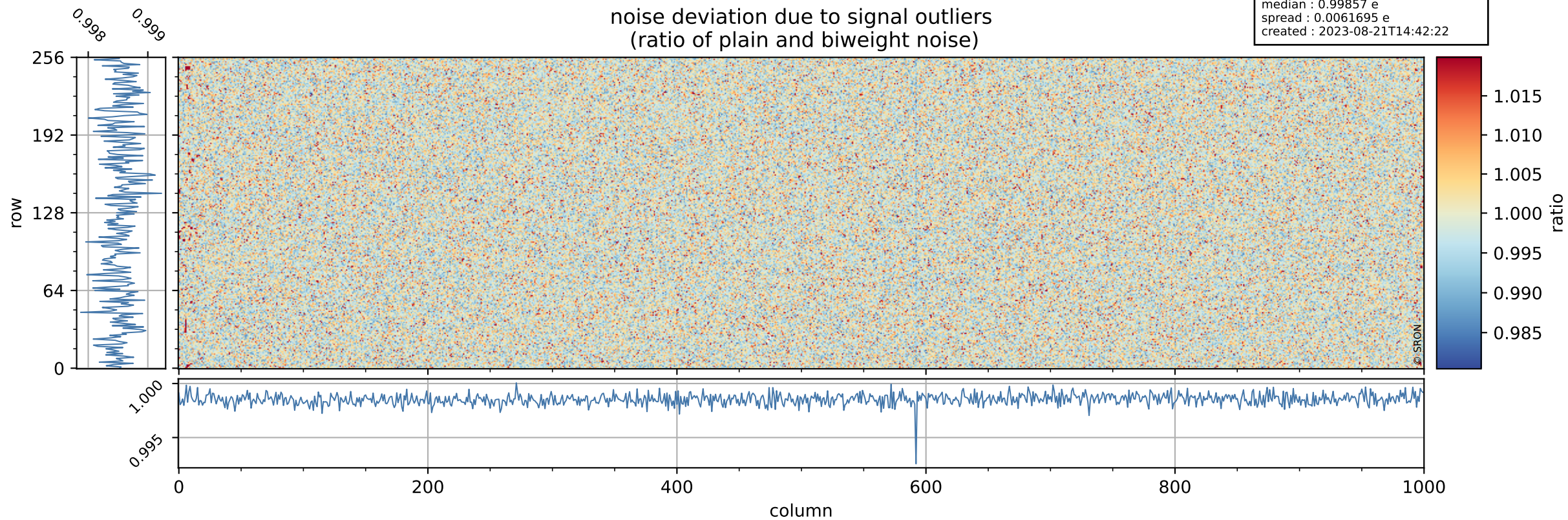
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

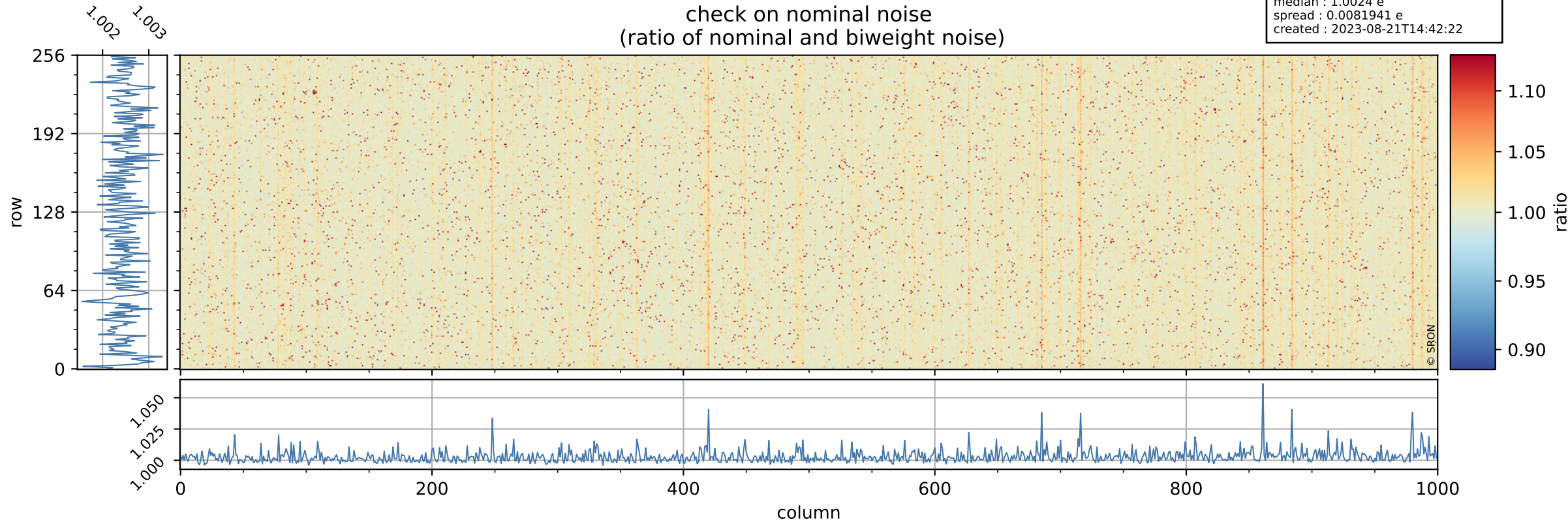
orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
median : 0.99857 e
spread : 0.0061695 e
created : 2023-08-21T14:42:22



Tropomi SWIR background noise (swir)

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

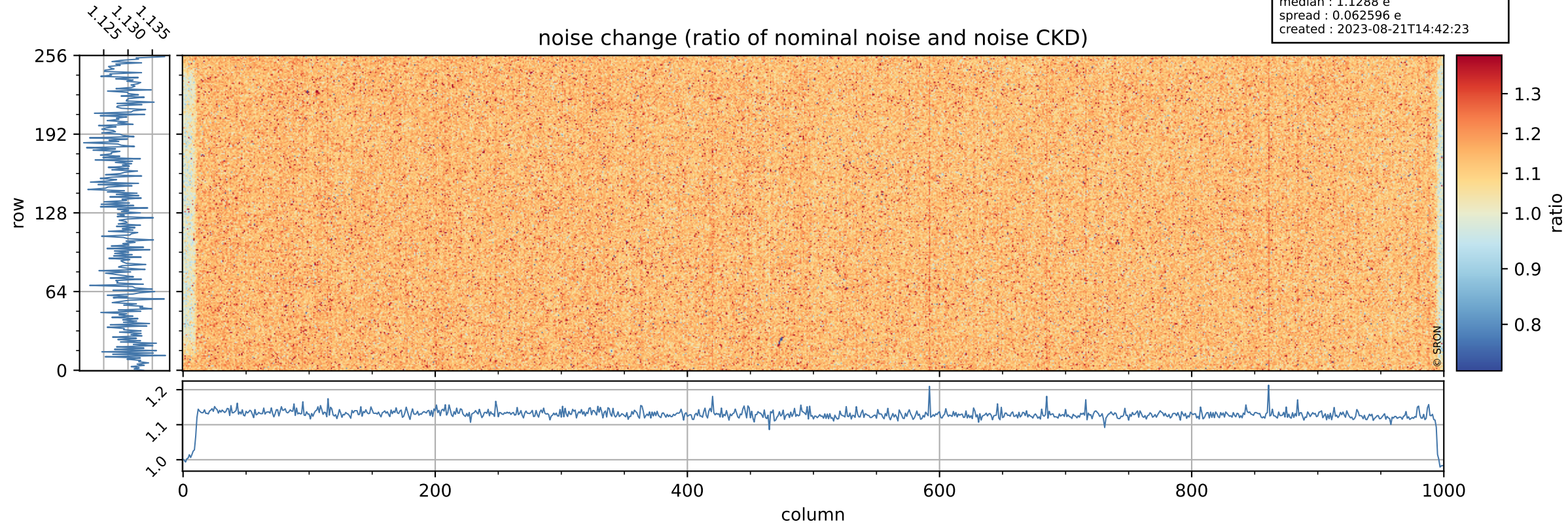
orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
median : 1.0024 e
spread : 0.0081941 e
created : 2023-08-21T14:42:22



Tropomi SWIR background noise (swir)

orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
median : 1.1288 e
spread : 0.062596 e
created : 2023-08-21T14:42:23

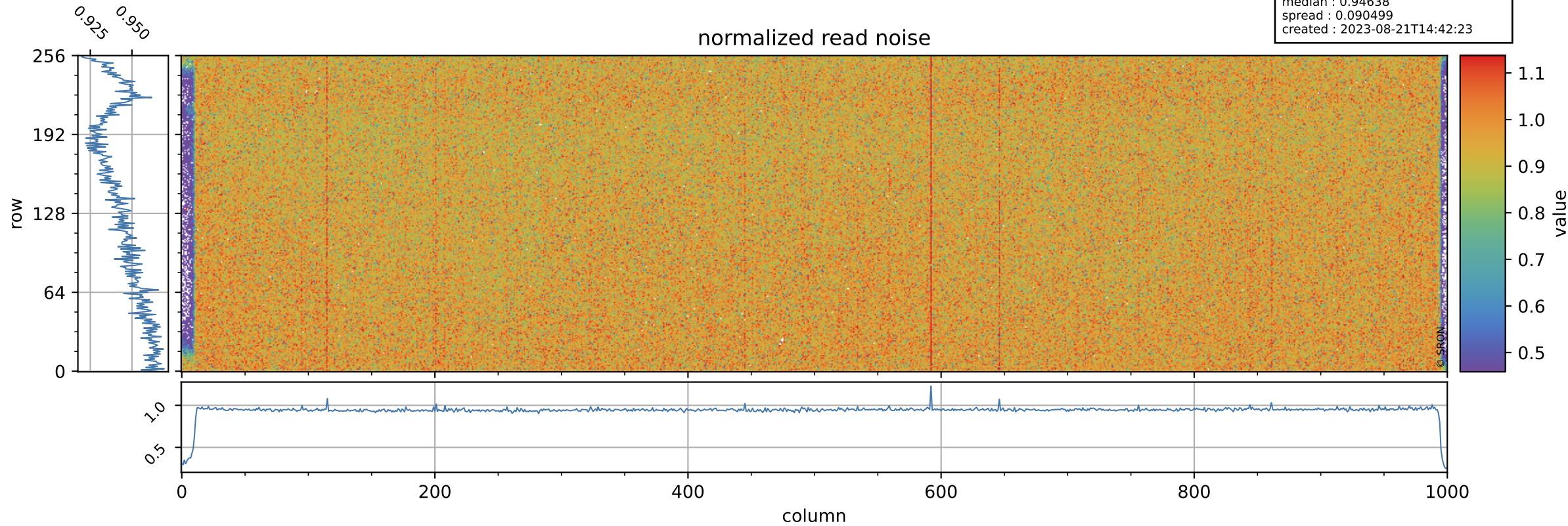
noise change (ratio of nominal noise and noise CKD)



Tropomi SWIR background noise (swir)

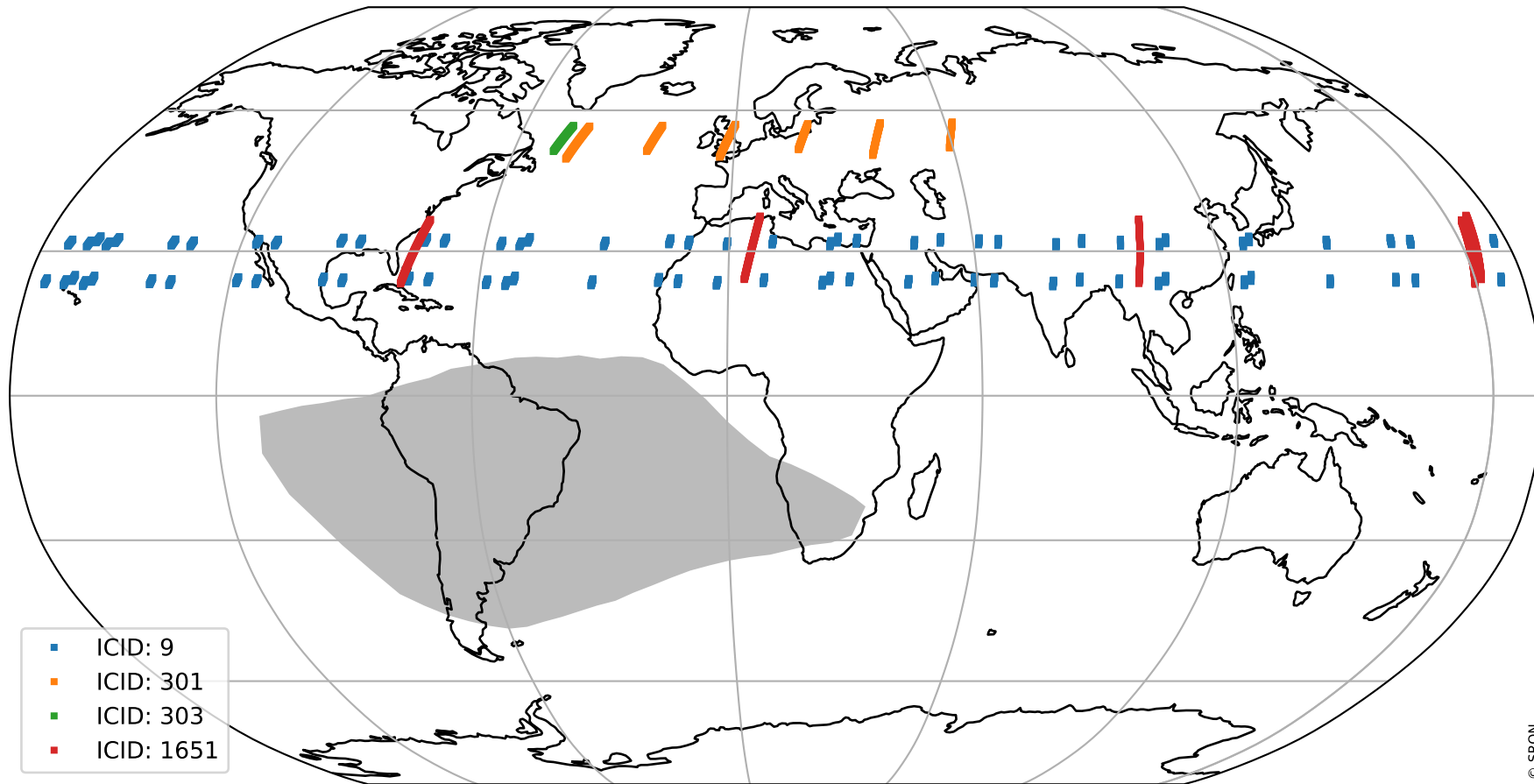
orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
median : 0.94638
spread : 0.090499
created : 2023-08-21T14:42:23

normalized read noise



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

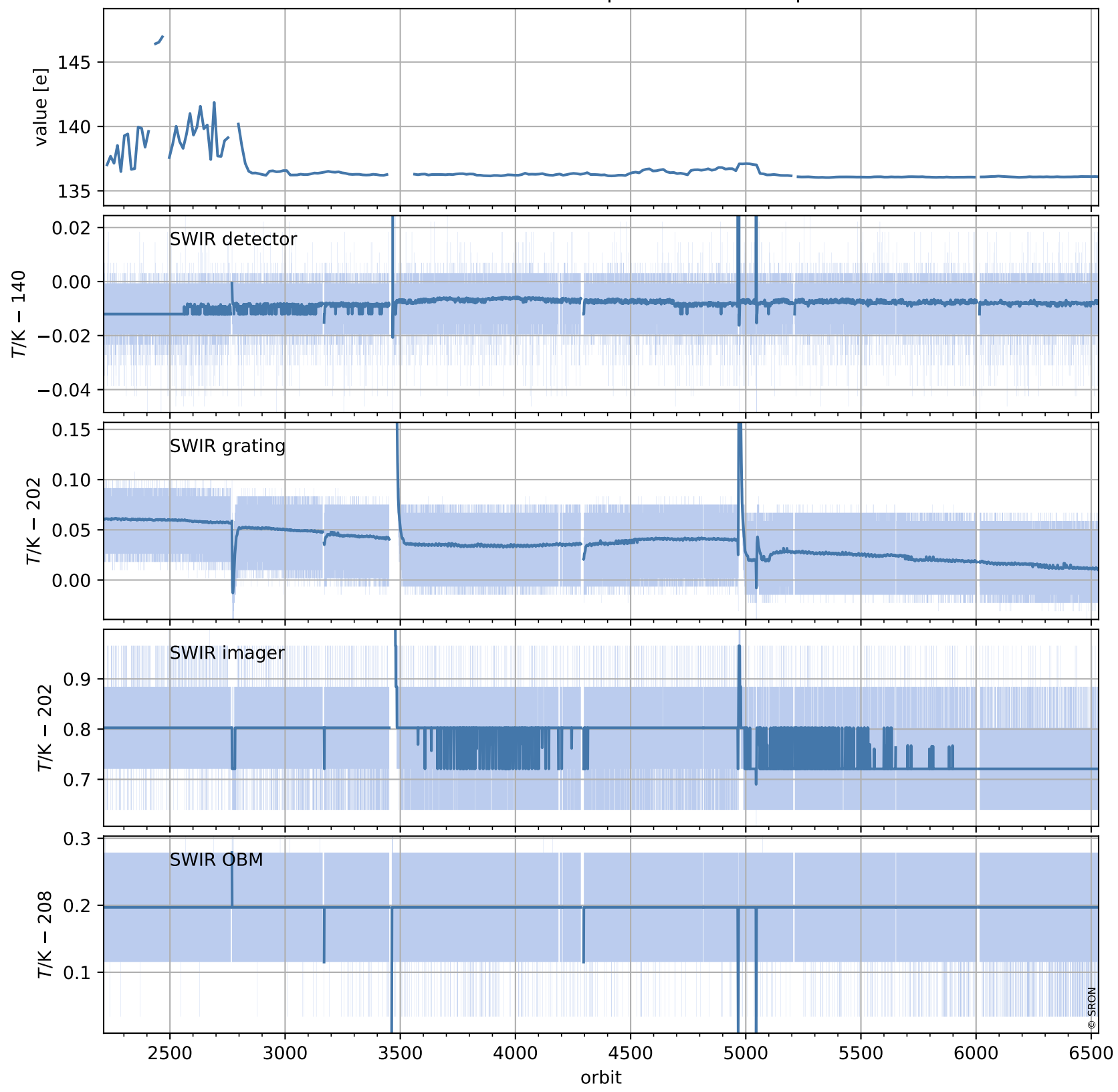
orbits : 12 in [6442, 6532]
coverage : 2019-01-10 / 2019-01-16
created : 2023-08-21T14:42:24



Tropomi SWIR background noise (swir)

orbits : [2212, 6532]
coverage : 2018-03-18 / 2019-01-16
created : 2023-08-21T14:42:24

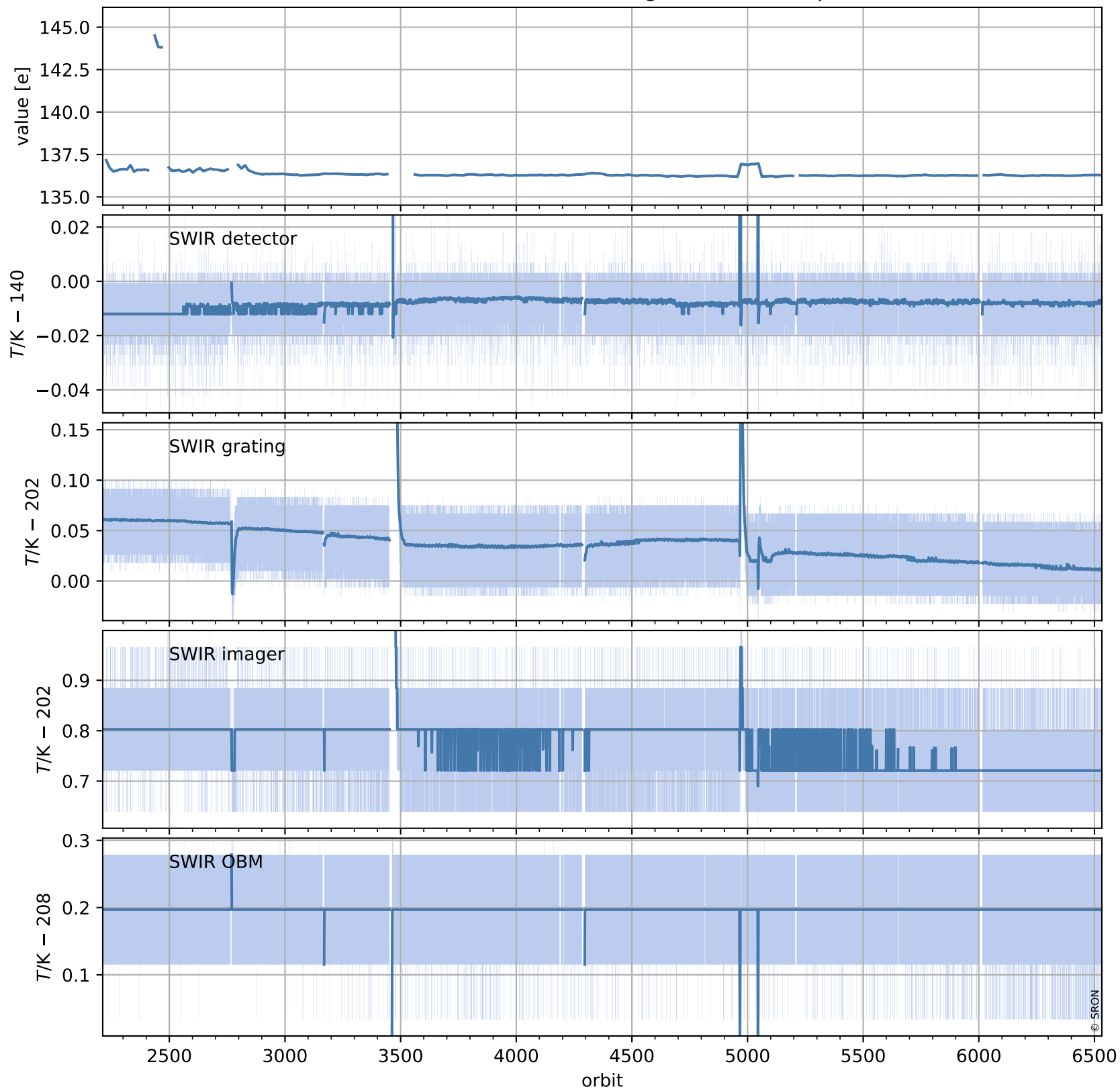
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 6532]
coverage : 2018-03-18 / 2019-01-16
created : 2023-08-21T14:42:25

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 6532]
coverage : 2018-03-18 / 2019-01-16
created : 2023-08-21T14:42:26

trend of normalized read-noise & temperatures

