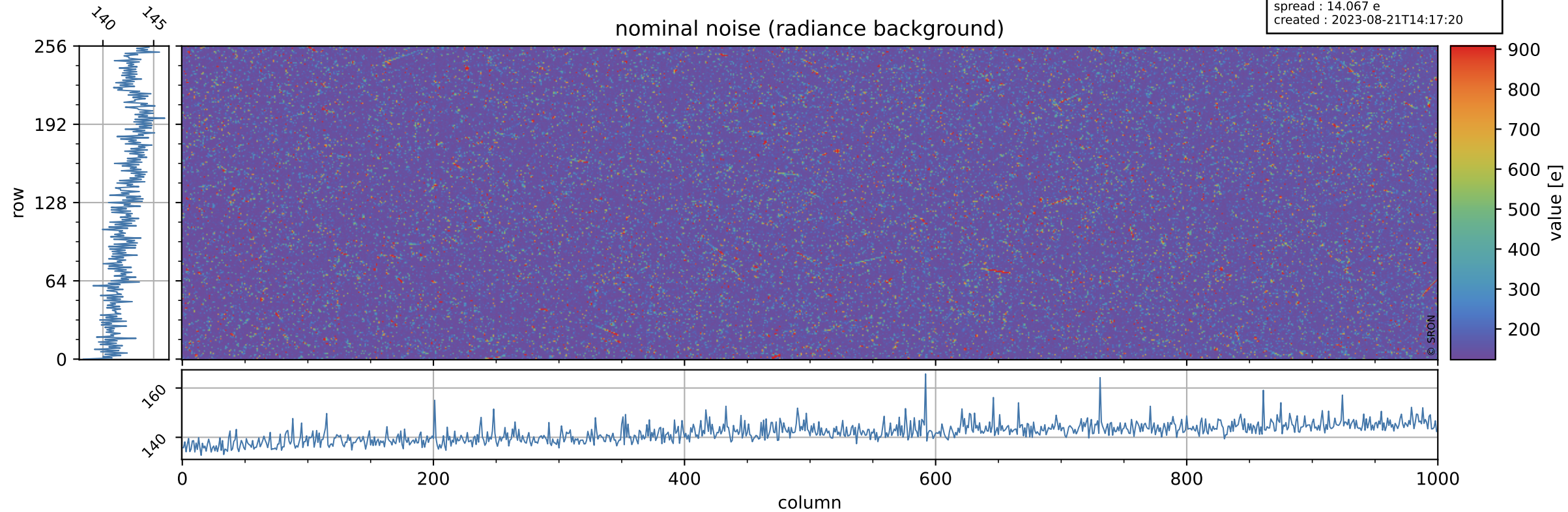


Tropomi SWIR background noise (swir)

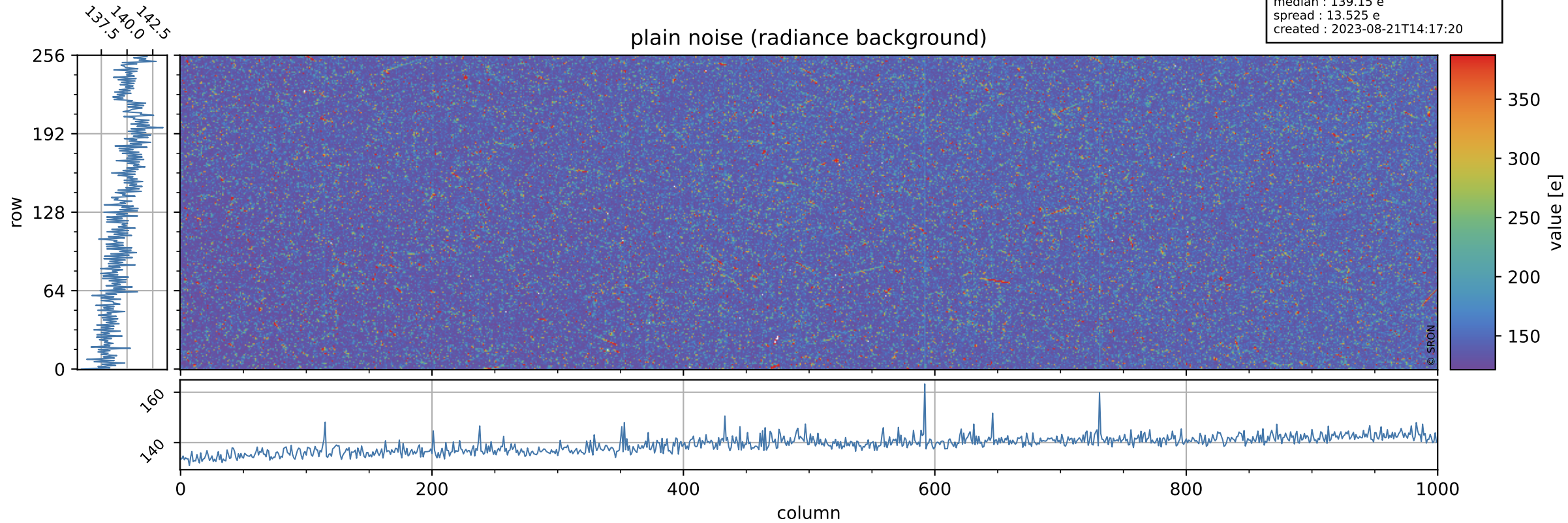
orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
n_coad, t_exp : 2, 0.5383
median : 141.38 e
spread : 14.067 e
created : 2023-08-21T14:17:20



Tropomi SWIR background noise (swir)

orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
n_coad, t_exp : 2, 0.5383
median : 139.15 e
spread : 13.525 e
created : 2023-08-21T14:17:20

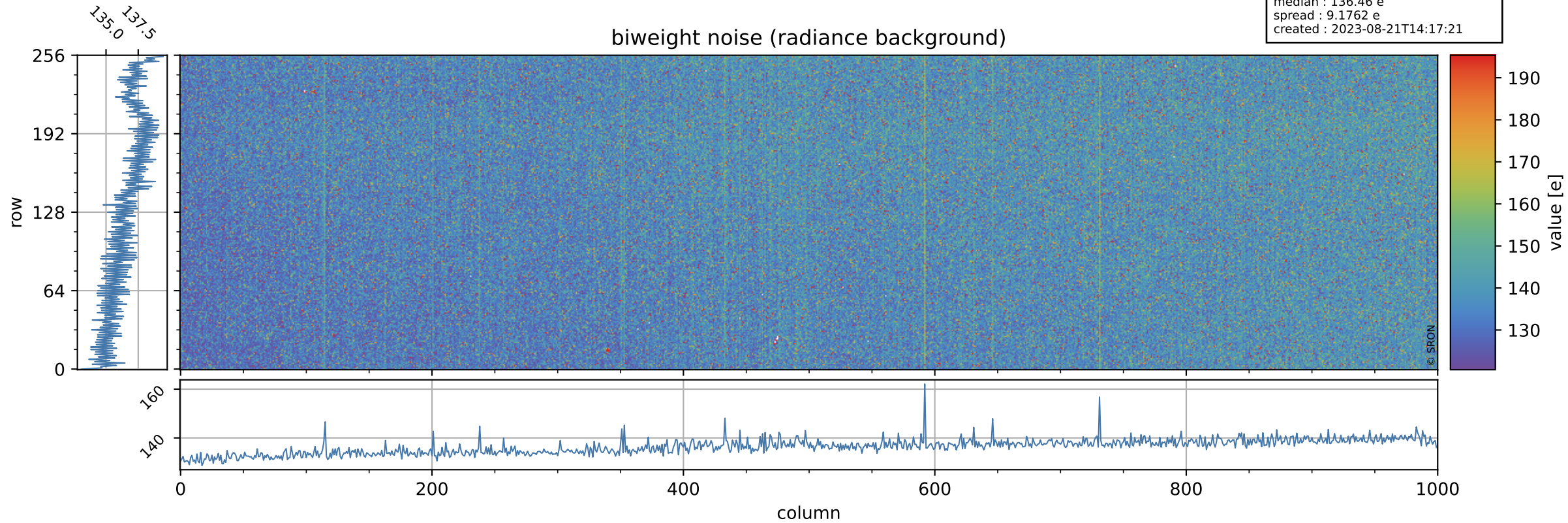
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
n_coad, t_exp : 2, 0.5383
median : 136.46 e
spread : 9.1762 e
created : 2023-08-21T14:17:21

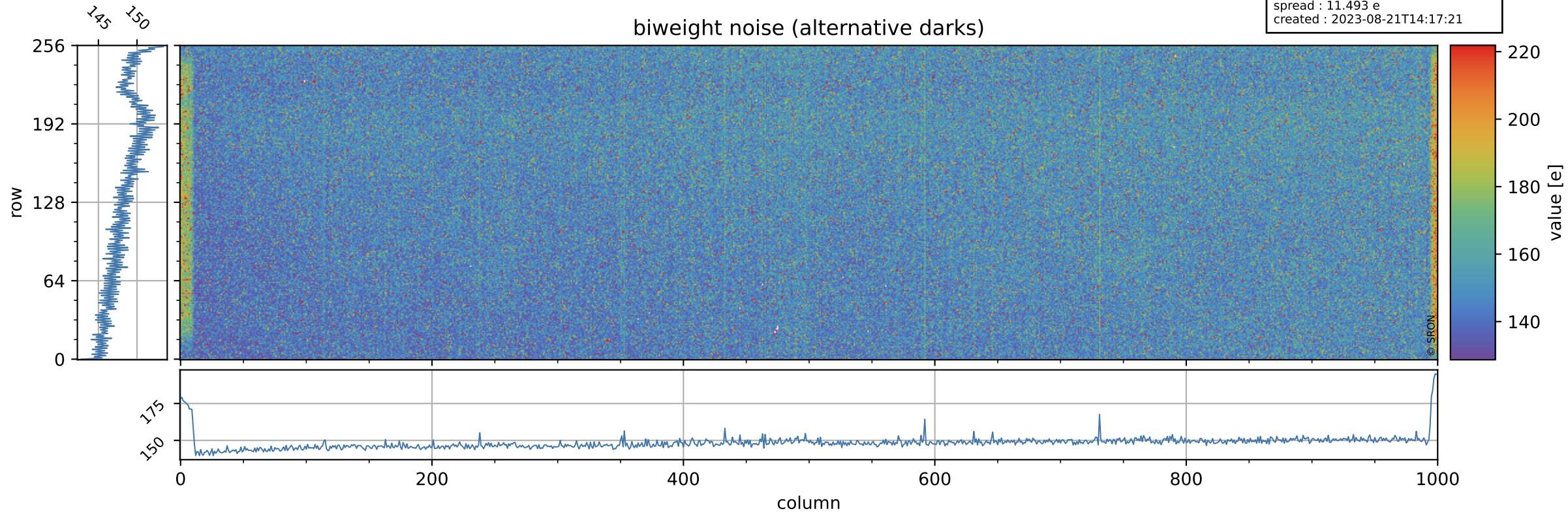
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
n_coad, t_exp : 1, 1.0783
median : 148.12 e
spread : 11.493 e
created : 2023-08-21T14:17:21

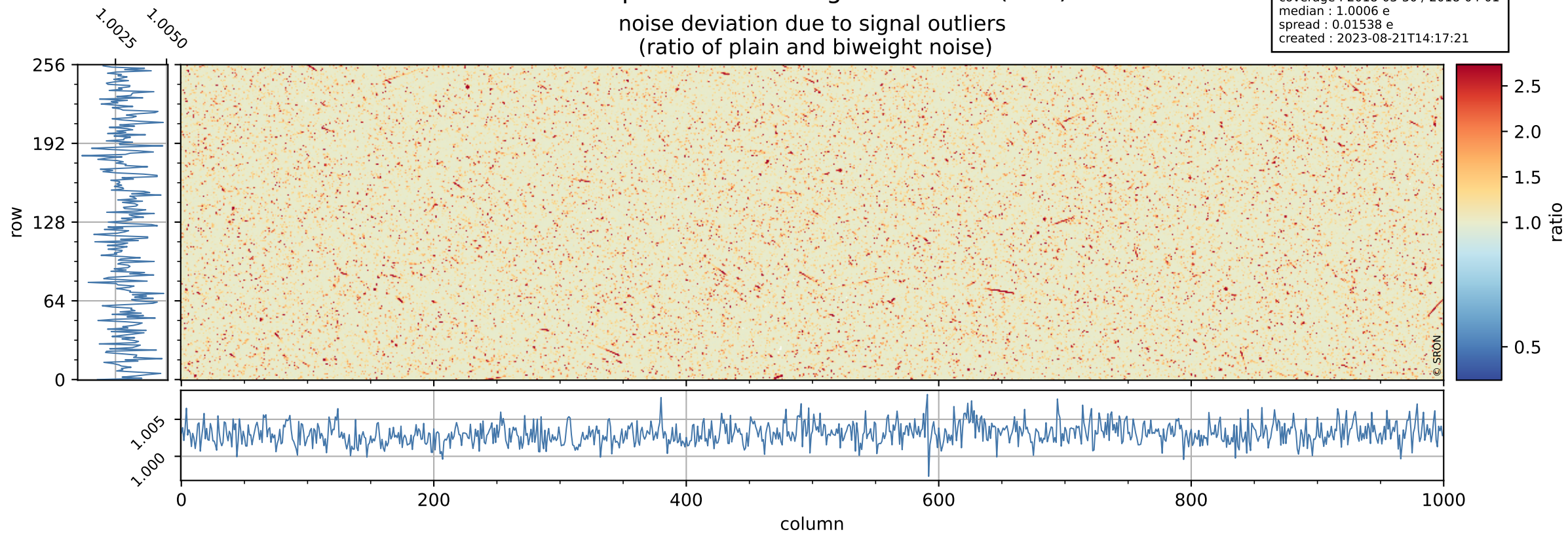
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

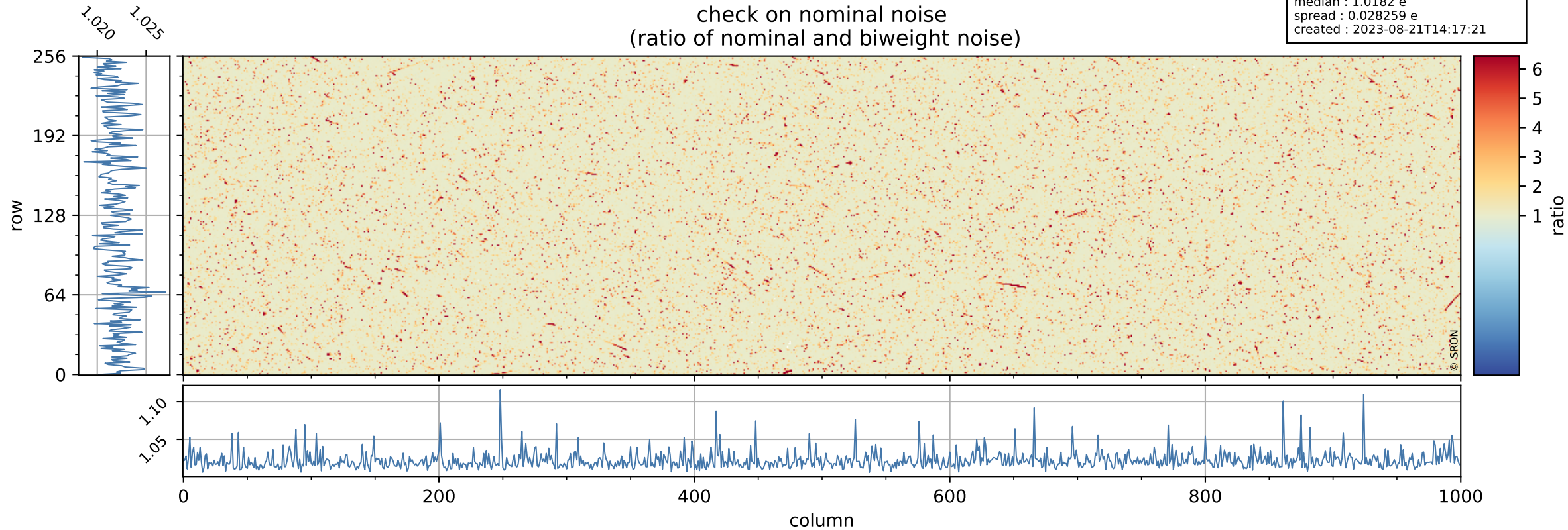
orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
median : 1.0006 e
spread : 0.01538 e
created : 2023-08-21T14:17:21



Tropomi SWIR background noise (swir)

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

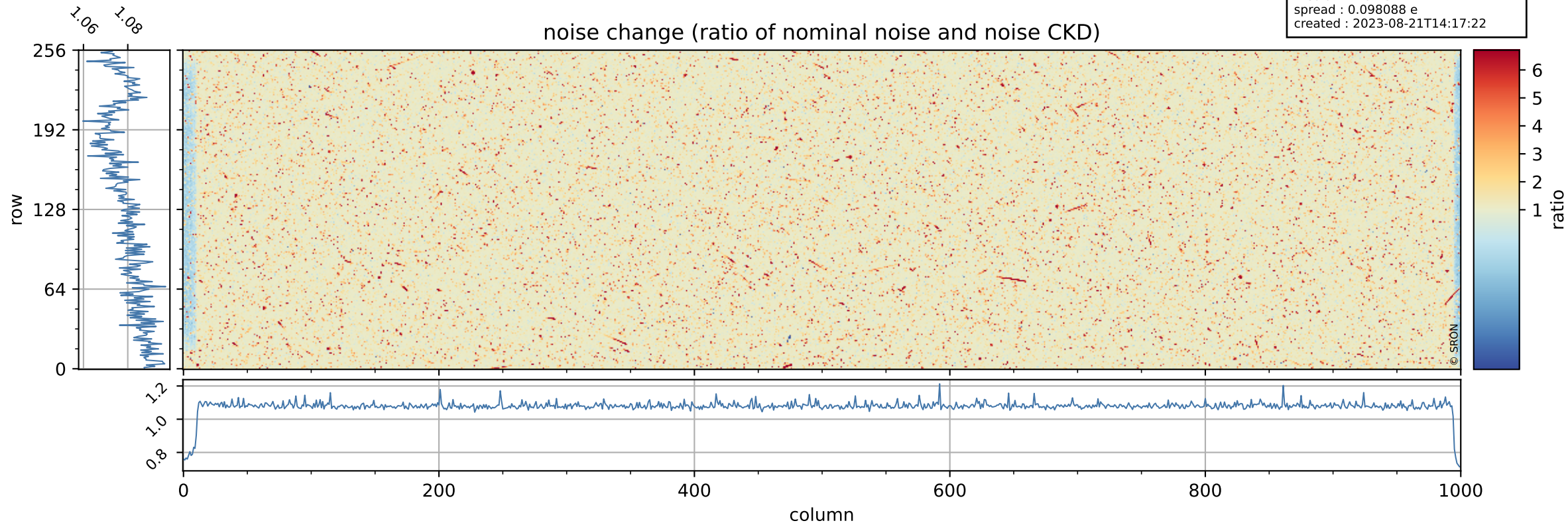
orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
median : 1.0182 e
spread : 0.028259 e
created : 2023-08-21T14:17:21



Tropomi SWIR background noise (swir)

orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
median : 1.07 e
spread : 0.098088 e
created : 2023-08-21T14:17:22

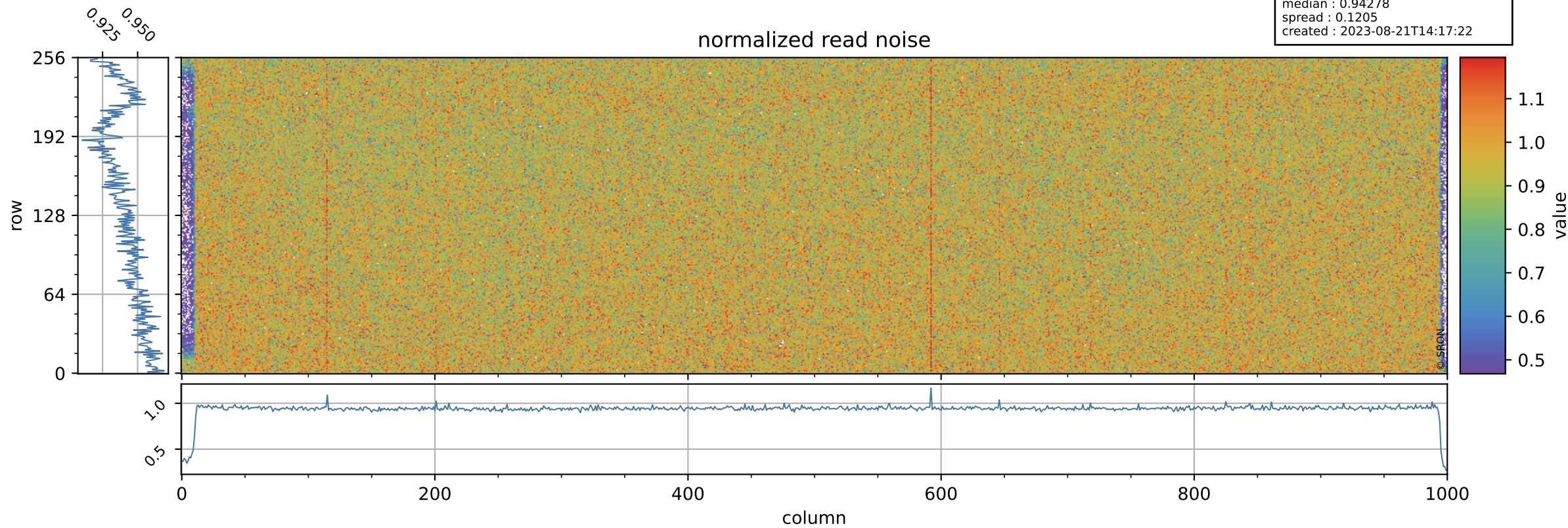
noise change (ratio of nominal noise and noise CKD)



Tropomi SWIR background noise (swir)

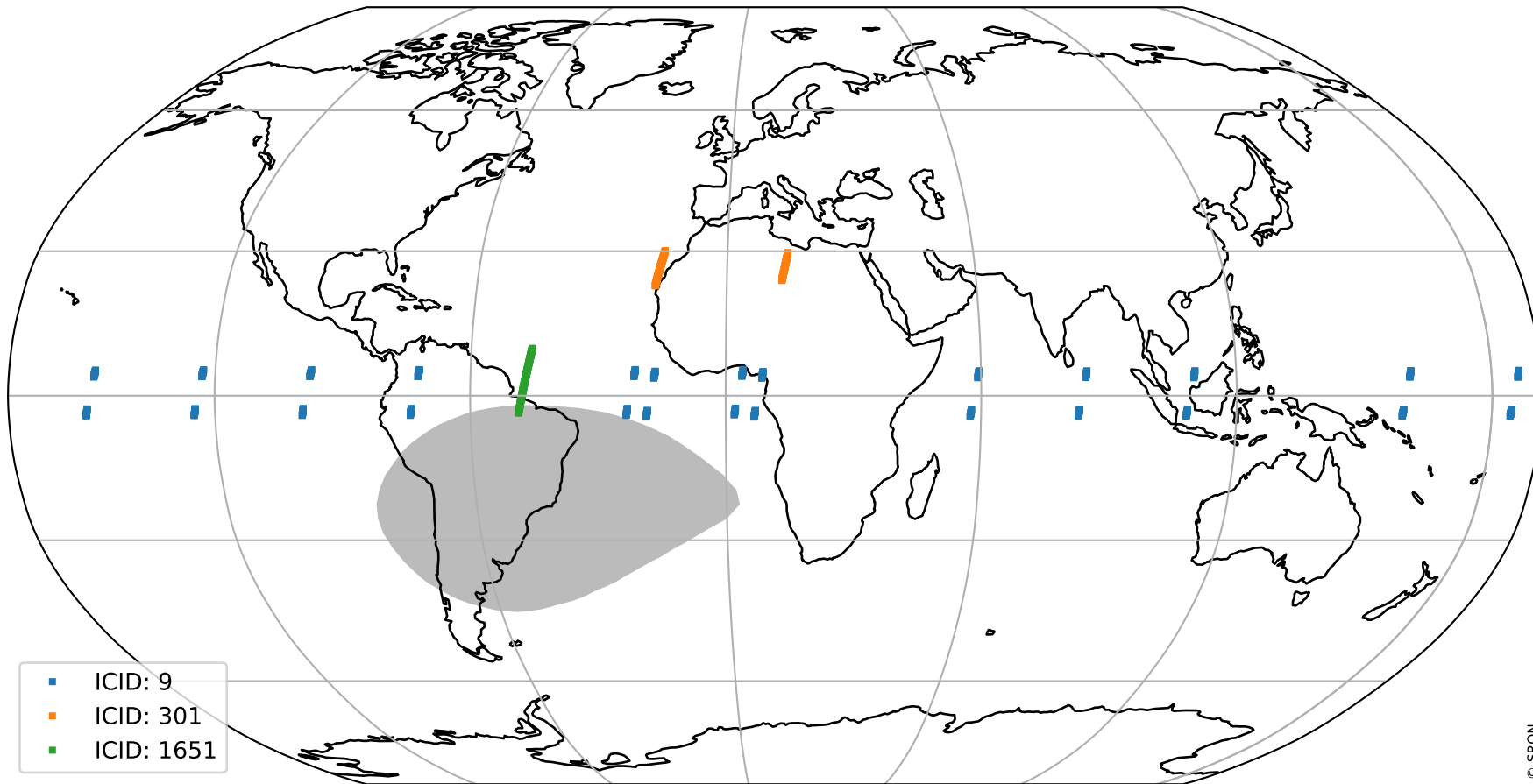
orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
median : 0.94278
spread : 0.1205
created : 2023-08-21T14:17:22

normalized read noise



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

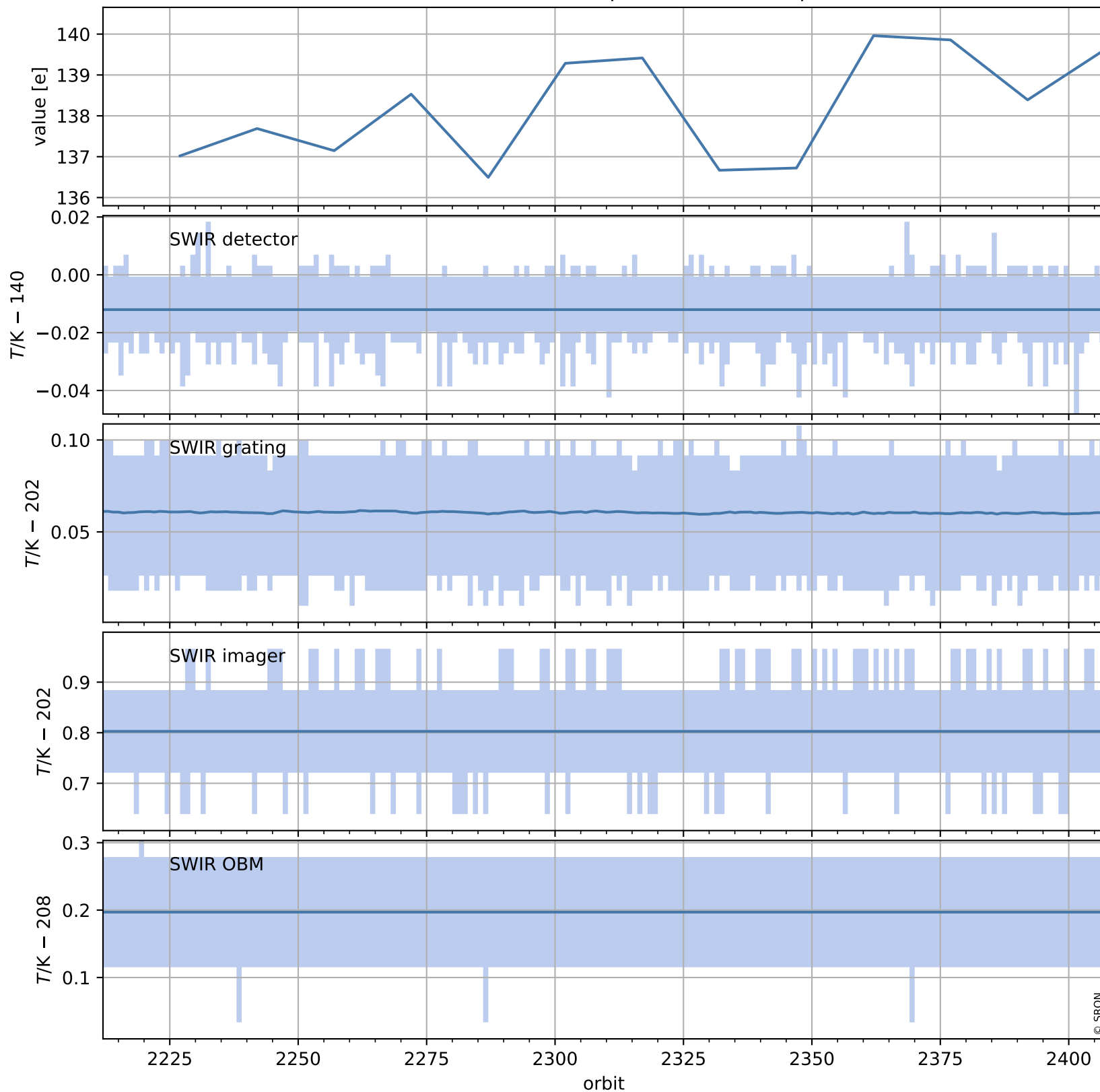
orbits : 13 in [2392, 2407]
coverage : 2018-03-30 / 2018-04-01
created : 2023-08-21T14:17:22



Tropomi SWIR background noise (swir)

orbits : [2212, 2407]
coverage : 2018-03-18 / 2018-04-01
created : 2023-08-21T14:17:22

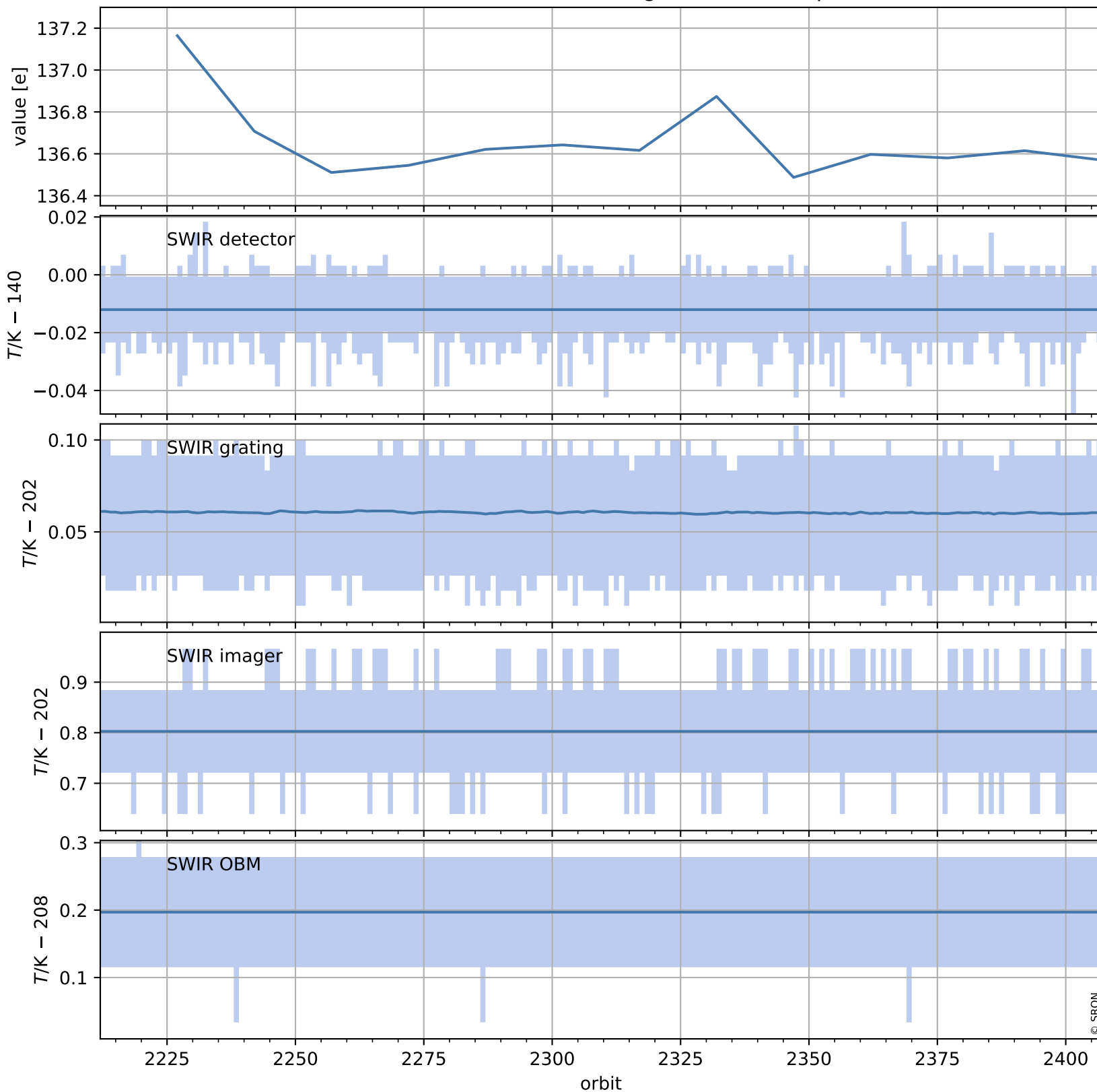
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2407]
coverage : 2018-03-18 / 2018-04-01
created : 2023-08-21T14:17:23

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2407]
coverage : 2018-03-18 / 2018-04-01
created : 2023-08-21T14:17:23

trend of normalized read-noise & temperatures

