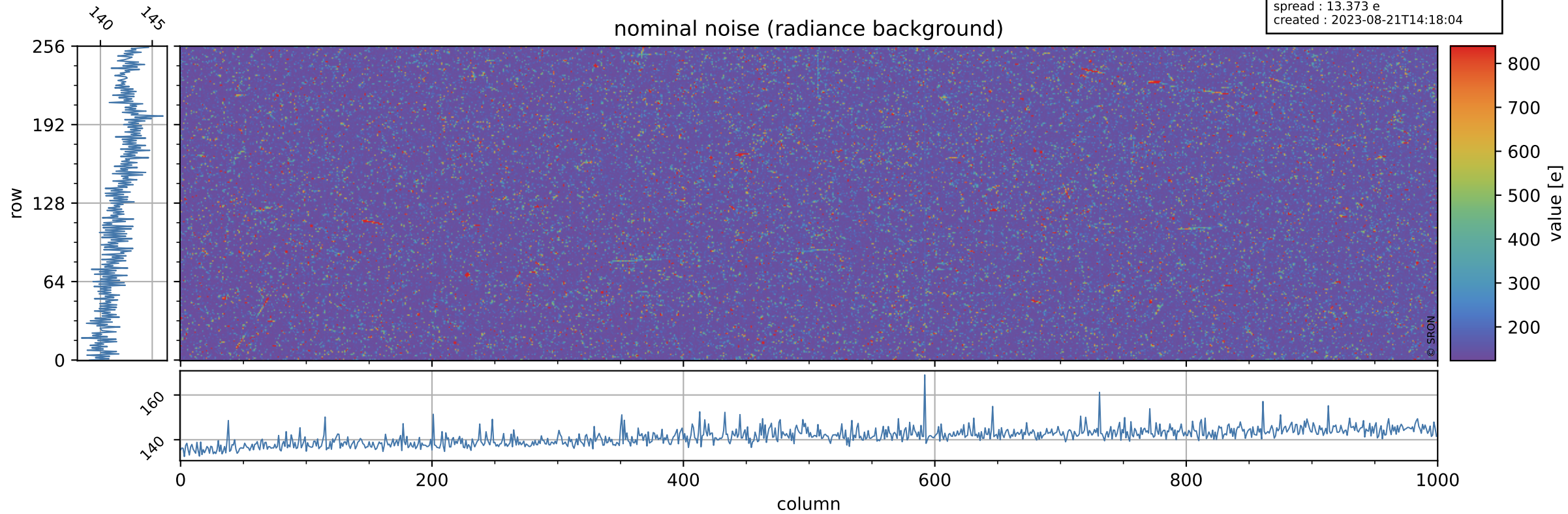


Tropomi SWIR background noise (swir)

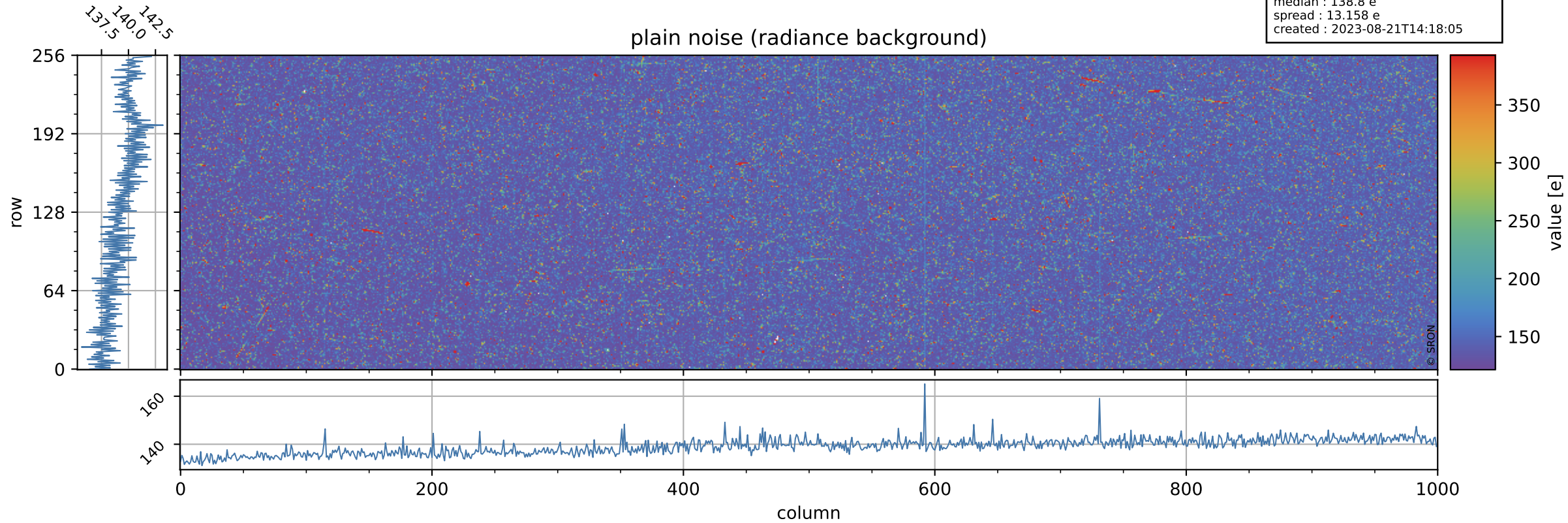
orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
n_coad, t_exp : 2, 0.5383
median : 140.96 e
spread : 13.373 e
created : 2023-08-21T14:18:04



Tropomi SWIR background noise (swir)

orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
n_coad, t_exp : 2, 0.5383
median : 138.8 e
spread : 13.158 e
created : 2023-08-21T14:18:05

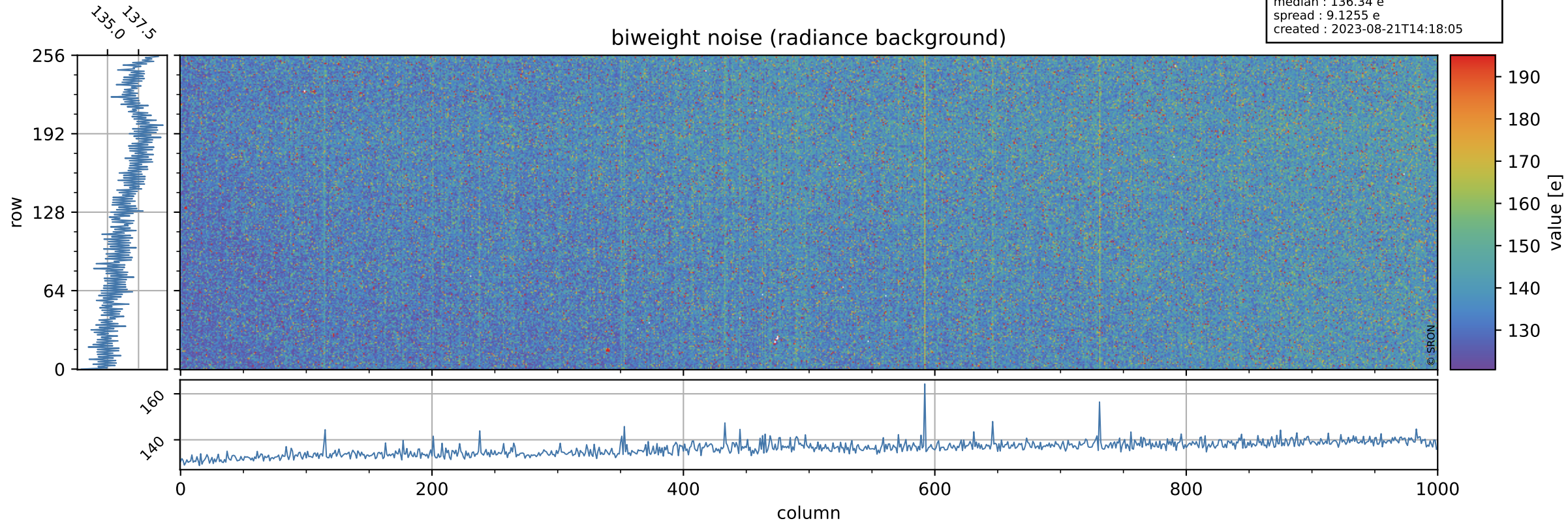
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
n_coad, t_exp : 2, 0.5383
median : 136.34 e
spread : 9.1255 e
created : 2023-08-21T14:18:05

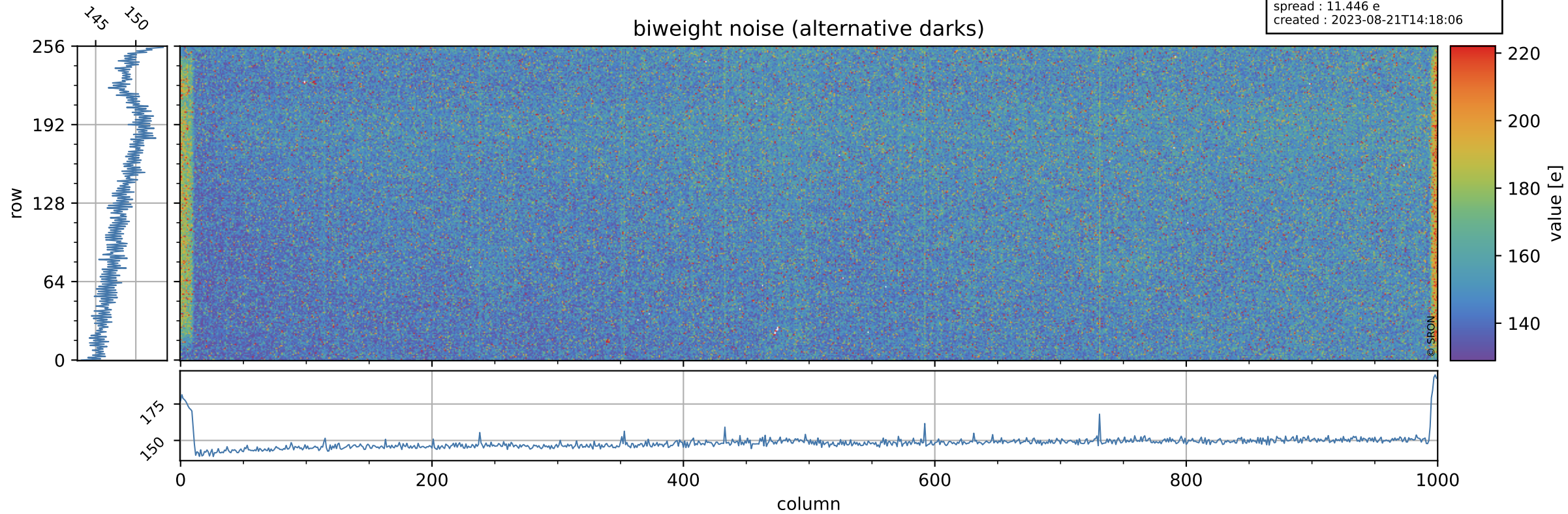
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
n_coad, t_exp : 1, 1.0783
median : 148.12 e
spread : 11.446 e
created : 2023-08-21T14:18:06

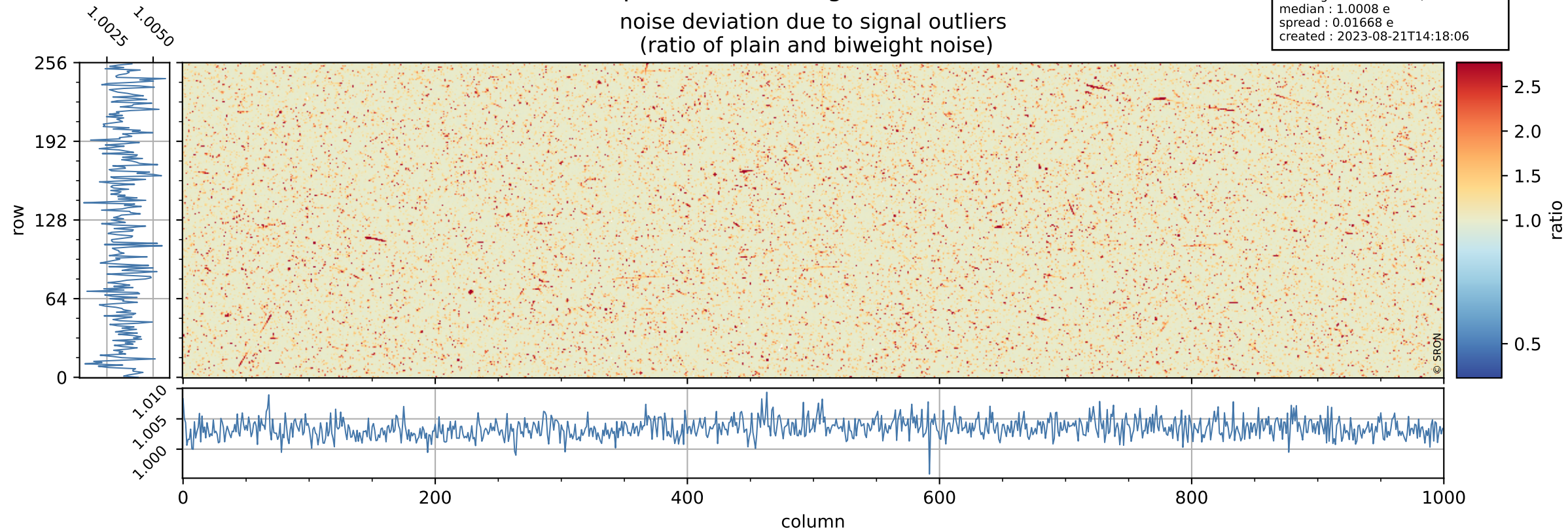
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

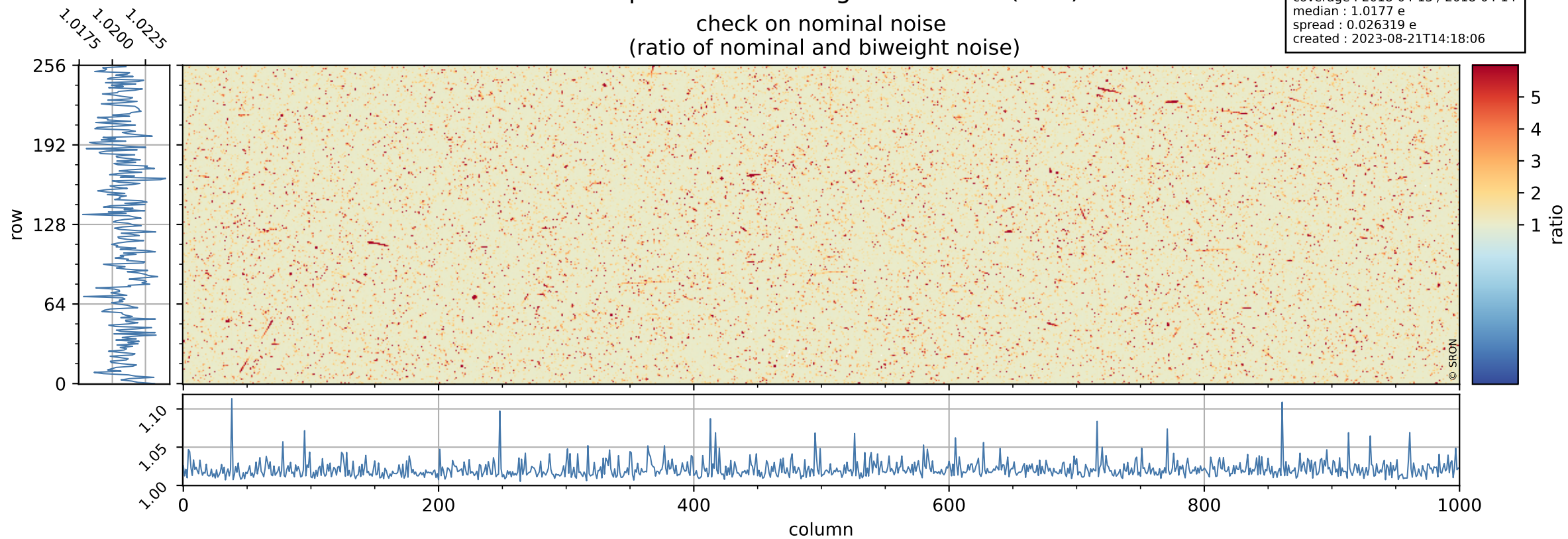
orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
median : 1.0008 e
spread : 0.01668 e
created : 2023-08-21T14:18:06



Tropomi SWIR background noise (swir)

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

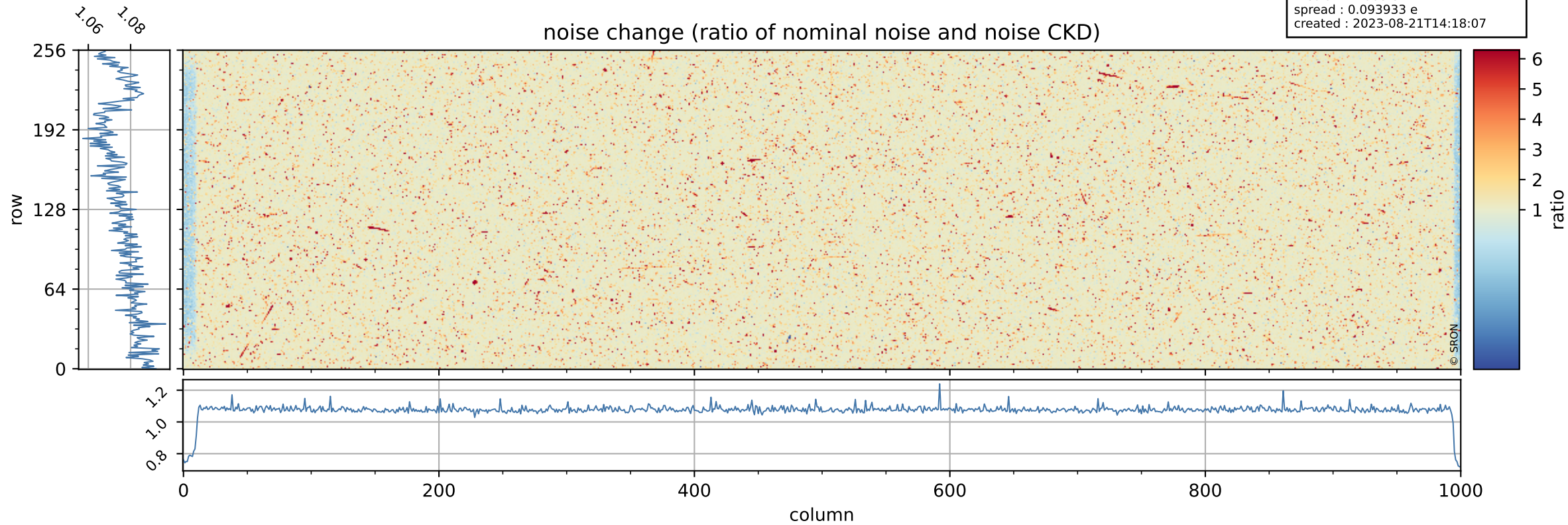
orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
median : 1.0177 e
spread : 0.026319 e
created : 2023-08-21T14:18:06



Tropomi SWIR background noise (swir)

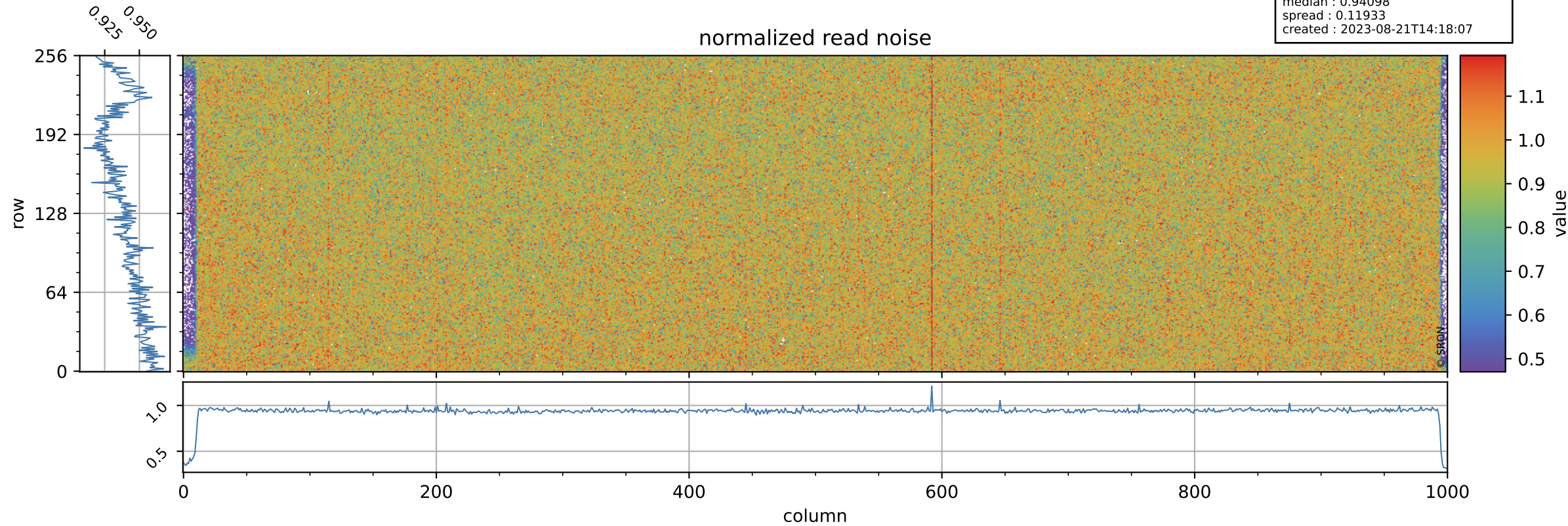
orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
median : 1.068 e
spread : 0.093933 e
created : 2023-08-21T14:18:07

noise change (ratio of nominal noise and noise CKD)



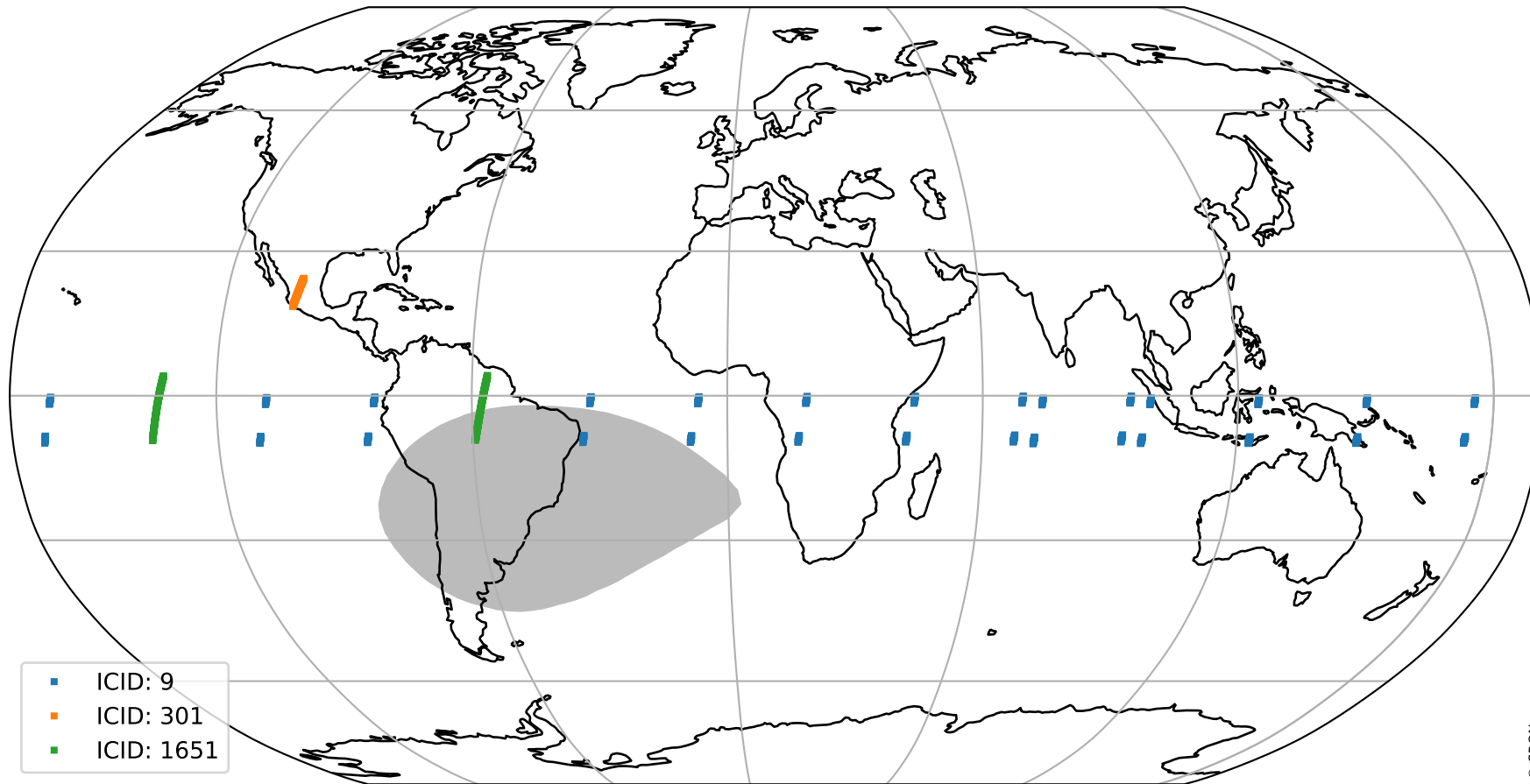
Tropomi SWIR background noise (swir)

orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
median : 0.94098
spread : 0.11933
created : 2023-08-21T14:18:07



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

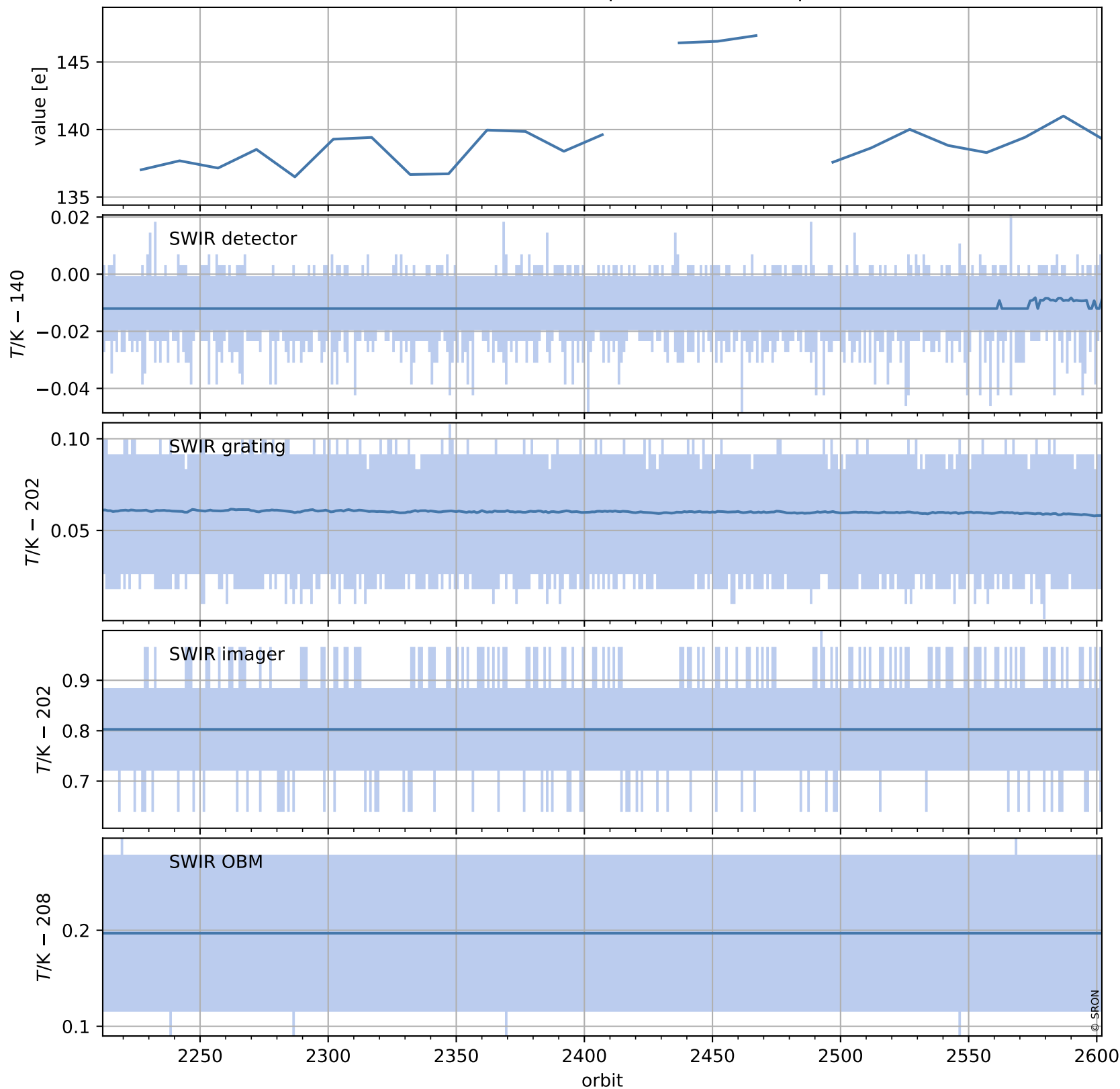
orbits : 14 in [2587, 2602]
coverage : 2018-04-13 / 2018-04-14
created : 2023-08-21T14:18:07



Tropomi SWIR background noise (swir)

orbits : [2212, 2602]
coverage : 2018-03-18 / 2018-04-14
created : 2023-08-21T14:18:07

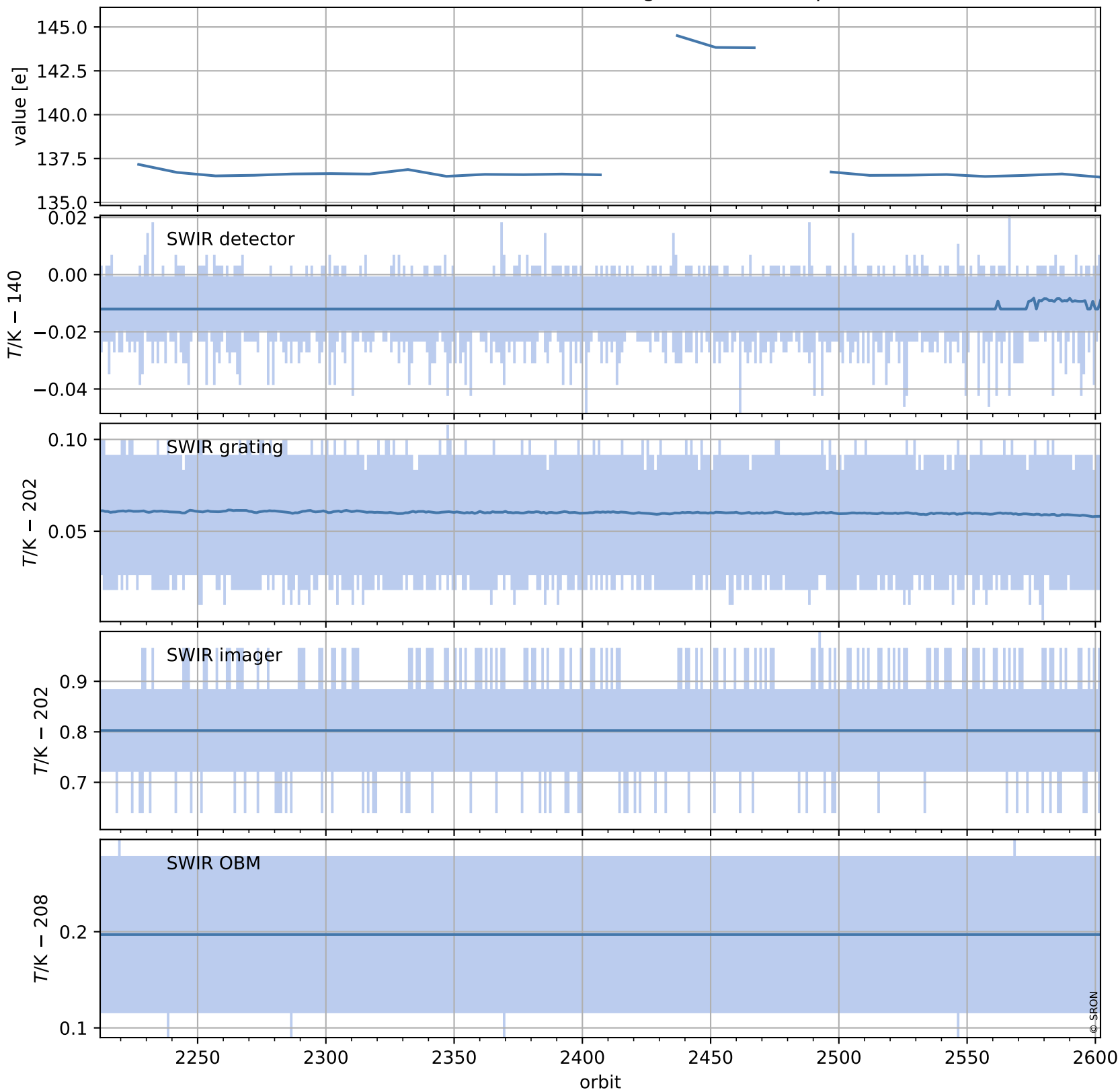
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2602]
coverage : 2018-03-18 / 2018-04-14
created : 2023-08-21T14:18:08

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2602]
coverage : 2018-03-18 / 2018-04-14
created : 2023-08-21T14:18:08

trend of normalized read-noise & temperatures

