SRG / eROSITA Early Data Release:

Observation report
eRO_MPE_RP_EDR_900070-1

Observation	Target	Type	Mode
900070-1	3C390.3	COM	Pointing

R.A.	Dec	α	δ	l	b
$18^h45^m55^s$	$79°53'28''$	281.4783°	79.8910°	not calc.	not calc.

Purpose of observation:
ART-XC calibration observation

Related Observations:
900060-1
900068-1
900069-1

Notes:
This observation has been executed as a Pointing.
The chopper setting changes from 1 to 64 for the different cameras active during this observation:

1. TM5 has chopper 64.
2. TM6 has chopper 1.
3. TM7 has chopper 64.

Data with chopper values 64 can be used, but users need to be aware that the eSASS version used to create this data did not account properly for chopper values > 1. All data products that include exposure times are affected (count rates from source detection and light curves, fluxes from spectra, upper limits from sensitivity maps). For example, the generated exposure map for data with chopper 64 should be multiplied by 64. Please have a look at the Frequently Asked Question (FAQ) section in the eROSITA-DE Early Data Release (EDR) site for further information. T. Liu et al. (submitted) adopted gti="623182995 623205003" to select the time of stable pointing.

Some information on the status of the cameras:

T_{start}, T_{stop}: values are taken from the eROSITA mission planning files and should be considered as approximate values. Please refer to the time header keywords in the event file for the more accurate value which takes into account the Good Time Intervals (GTI).

Exposure: exposure times are calculated from start and stop times given in the eROSITA mission planning files, however, observations could have slightly shorter exposures due to IDLE periods of the cameras which are not considered

Filter wheel and camera status are given per observation, but changes during an observation are not documented, instead the best value according to the following ranking is applied:

Filter wheel: filter, open, calibration, closed

Camera status: working, not processing

Camera	T_{start} [UTC]	eROday	T_{stop} [UTC]	eROday
TM5	2019-09-30T15:40:00	43277.67	2019-09-30T21:30:00	43279.13
TM6	2019-09-30T15:40:00	43277.67	2019-09-30T21:30:00	43279.13
TM7	2019-09-30T15:40:00	43277.67	2019-09-30T21:30:00	43279.13

Camera	Exposure [s]	Filter	Processing	Set-up
TM1	–	CLOSED	PMWORK	not processing
TM2	–	CLOSED	PMWORK	not processing
TM3	–	CLOSED	PMWORK	not processing
TM4	–	CLOSED	PMWORK	not processing
TM5	21000.0	FILTER	PMWORK	working
TM6	21000.0	FILTER	PMWORK	working
TM7	21000.0	FILTER	PMWORK	working

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References:

Predehl, P. et al., The eROSITA X-ray telescope on SRG, A&A, vol. 647, 16 pp. (2021)

Liu et al. (submitted)