SRG / eROSITA Early Data Release:

Observation report eRO_MPE_RP_EDR_300003-1

Observation	Target	Type	Mode
300003-1	1H0707	MPE	Pointing

R.A.	Dec	α	δ	1	b
$7^h 8^m 41^s$	-49°33′6″	107.1704°	-49.5517°	260.1684°	-17.6738°

Purpose of observation:

PV observation. Title: eROSITA PV Studies using Ultrasoft Narrow-Line Seyfert 1 Galaxies.

Related Observations:

none

Notes:

This observation has been executed as a Pointing.

TM1 and TM2 have much shorter exposure time than TM5, TM6 and TM7, thus TM1 and TM2 data are not used by Boller et al. 2021 and Liu et al. (submitted).

Liu et al. (submitted) adopted gti="624110600 624160715" 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
TM1	2019-10-11T09:05:14	43342.02	2019-10-11T22:58:34	43345.49
TM2	2019-10-11T09:05:14	43342.02	2019-10-11T22:58:34	43345.49
TM5	2019-10-11T09:05:14	43342.02	2019-10-11T22:58:34	43345.49
TM6	2019-10-11T09:05:14	43342.02	2019-10-11T22:58:34	43345.49
TM7	2019-10-11T09:05:14	43342.02	2019-10-11T22:58:34	43345.49

Camera	Exposure [s]	Filter	Processing	Set-up
TM1	50000.0	FILTER	PMWORK	working
TM2	50000.0	FILTER	PMWORK	working
TM3	_	CLOSED	PMWORK	not processing
TM4	_	CLOSED	PMWORK	not processing
TM5	50000.0	FILTER	PMWORK	working
TM6	50000.0	FILTER	PMWORK	working
TM7	50000.0	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)

Boller et al., Extreme ultra-soft X-ray variability in an eROSITA observation of the narrow-line Seyfert 1 galaxy 1H 0707-495, A&A, vol. 647, 6, 12pp. (2021) Liu et al. (submitted)