

# SRG / eROSITA Early Data Release:

## Observation report eRO\_MPE\_RP\_EDR\_900062-1

| Observation | Target          | Type | Mode     |
|-------------|-----------------|------|----------|
| 900062-1    | IGR J16318-4848 | COM  | Pointing |

| R.A.           | Dec                | $\alpha$         | $\delta$         | l         | b         |
|----------------|--------------------|------------------|------------------|-----------|-----------|
| $16^h32^m58^s$ | $-48^\circ44'29''$ | $248.2400^\circ$ | $-48.7413^\circ$ | not calc. | not calc. |

### Purpose of observation:

eROSITA commissioning.

### Related Observations:

none

### Notes:

This observation has been executed as a Pointing.

The event file contains only data from camera TM6.

### Some information on the status of the cameras:

**T<sub>start</sub>, T<sub>stop</sub>:** 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 <sub>start</sub> [UTC] | eROday   | T <sub>stop</sub> [UTC] | eROday   |
|--------|--------------------------|----------|-------------------------|----------|
| TM5    | 2019-09-25T15:40:00      | 43247.67 | 2019-09-25T21:30:00     | 43249.13 |
| TM6    | 2019-09-25T15:40:00      | 43247.67 | 2019-09-25T21:30:00     | 43249.13 |
| TM7    | 2019-09-25T15:40:00      | 43247.67 | 2019-09-25T21:30:00     | 43249.13 |

| 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      | CLOSED | PMWORK     | working        |
| TM6    | 21000.0      | FILTER | PMWORK     | working        |
| TM7    | 21000.0      | CLOSED | 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)