

Exposure and Binning Help

SPIRIT telescopes have exposure and Binning limitations. Please read before submitting image requests.

SPIRIT 1

Beginners: start with exposures of 60 seconds or less.

Advanced use: The maximum recommended exposure is 300 seconds.

Always use Binning 1 for SPIRIT 1.

SPIRIT 2

Beginners: start with exposures of 60 seconds or less.

Advanced use: The maximum recommended exposure is 300 seconds.

A default Binning of 3 is recommended for all imaging.

Binning 2 can be used for advanced photometry of bright objects under excellent seeing.

SPIRIT 3

Beginners: start with exposures of 60 seconds or less.

Advanced use: The maximum recommended exposure is 300 seconds.

Always use Binning 1 for SPIRIT 3

SPIRIT 4

Beginners: start with exposures of 60 seconds or less.

Advanced use: The maximum recommended exposure is 600 seconds.

Always use Binning 2 for SPIRIT 4.

Additional Notes:

Images taken with non-recommended Binning modes may not be calibrated.

Maximum exposure time is limited by mount accuracy and light pollution (SPIRIT 1 & 2).

Dark frames are acquired at the maximum recommended exposure, and scaled for shorter exposures as part of automated calibration.