

## Exposure and Binning Help

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

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### 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.

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### 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.

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### 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

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### SPIRIT 6

Beginners: start with exposures of 60 seconds or less.

Advanced use: The maximum recommended exposure is 300 seconds.

Always use Binning 1 for SPIRIT 6.

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#### 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.*