

Questions, Comments and Answers following the presentation

Challenges of calibrations in the mid-infrared with VISIR

Konrad Tristram

Osip:

1. *Why is the telescope contribution different for high and low sites? Is this just assumed temperature?*
 2. *Can you operate chop and nodding while the telescope tracks at non-sidereal rates?*
1. Yes, the difference is the assumed temperature of the telescope. For Paranal at ~2600m altitude, $T = 286\text{K}$ is assumed in this model; for a high site at 5000m altitude, $T = 270\text{K}$ is assumed.
 2. Yes, this is possible without problems. Only for very high speeds (> 0.05 arcsec/s) the guiding starts to become problematic. Several solar system sources (planets & comets) have been observed with VISIR successfully.

Ramsay: *VISIR calibration: for the modes that are only offered in visitor mode, are there specific challenges with the calibration?*

No there are no specific challenges with the calibrations for the modes only offered in visitor mode. Depending on the science, the users will have to select the required calibrations. In the case of coronagraphy, we do however suggest the user to observe a standard star, which can be used both as PSF calibrator as well as flux calibrator and will be helpful for archive users.