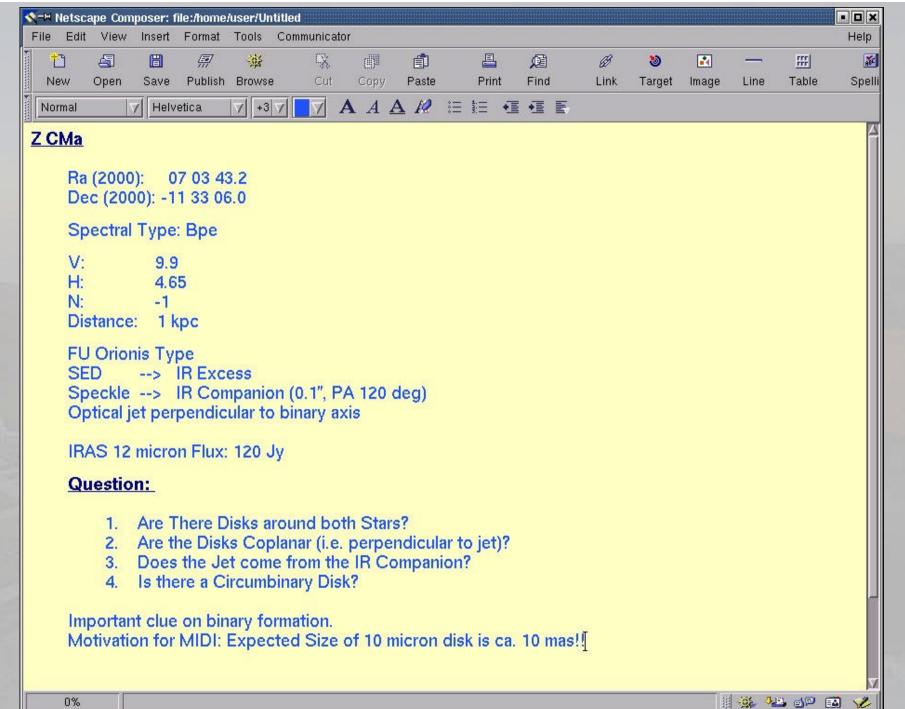
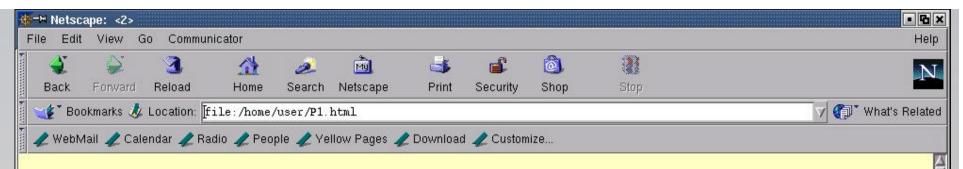
Binary stars with component disks The case of Z CMa

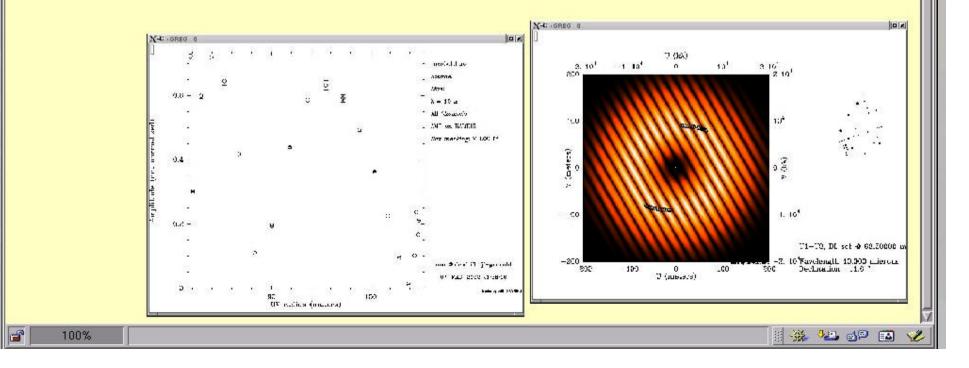
By D. Apai, I. Pascucci, H. Zinnecker





Observational Strategy

MIDI: UT1 + UT3 with baseline of 104 meters (resolution of 20 mas) External Fringe tracking on the Source in H Observations planned in January Prism is applied (R=30) in order to enhance visibility contrast Total Observation Time: 5 hrs Fixed Delay Line: 63.5 meters 15 minutes for each point, 5% on-source time



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Interpretation

Our model consists of two Gaussian disks with equal fluxes and diameters of 12 milliarcsec separated by 0.1"

Conclusion

Based on the Aspro Error Analyses:

- The visibility can constrain the flux ratio of the two stars to a few percent
- The extension of the dust disks cannot be derived using the UT1-UT3 (orientation and length)
- Object bright enough for ATs
- The longest baseline is recommended