

Star formation and MCAO

Hervé Bouy

09 June 2009

Star formation and MCAO

I. Expected contribution of MCAO to the study of stellar formation

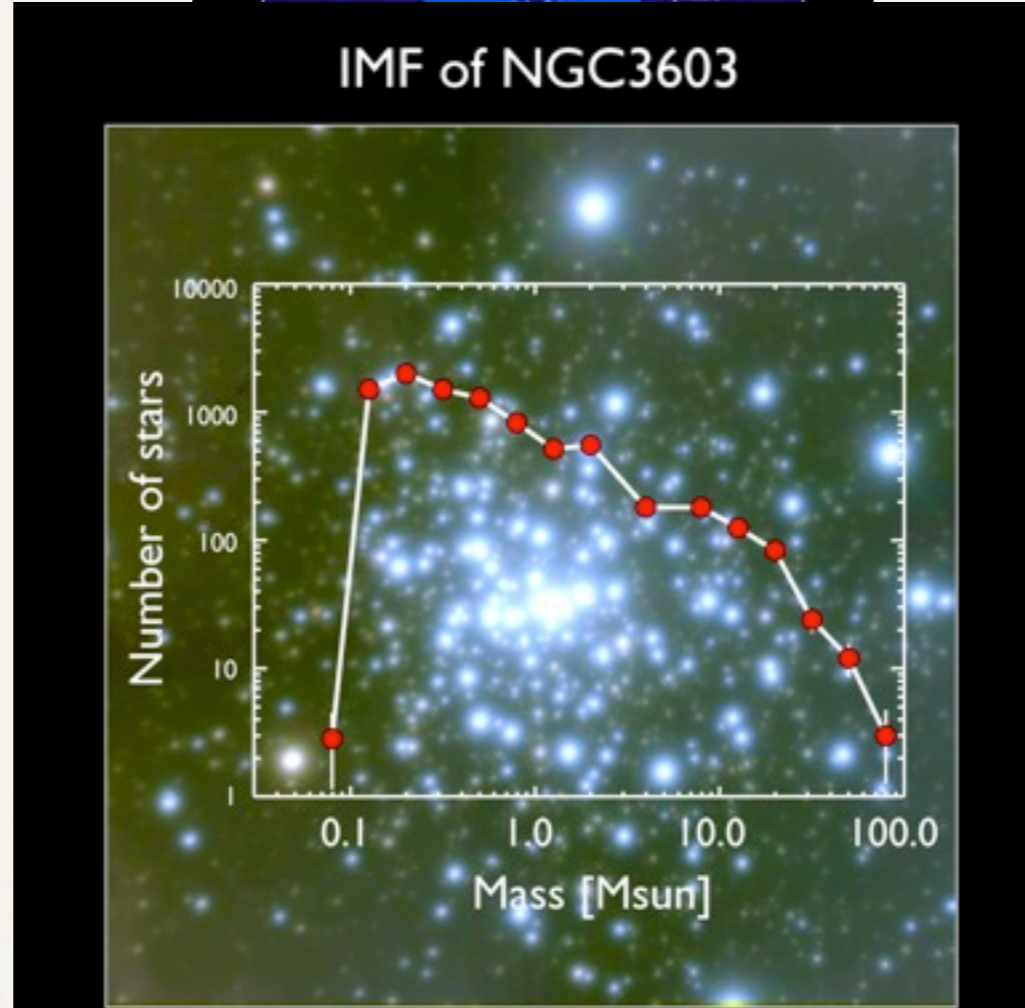
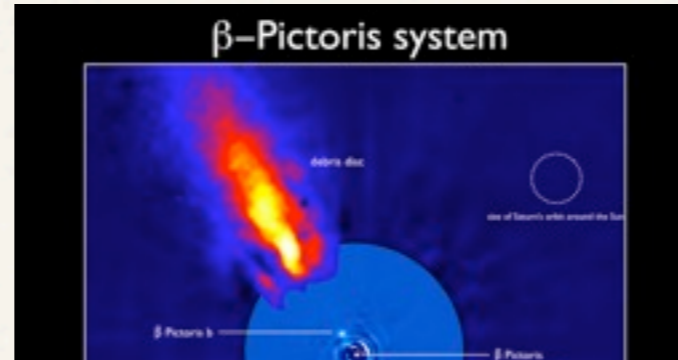
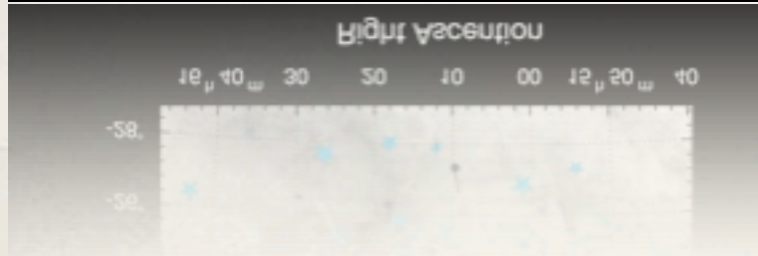
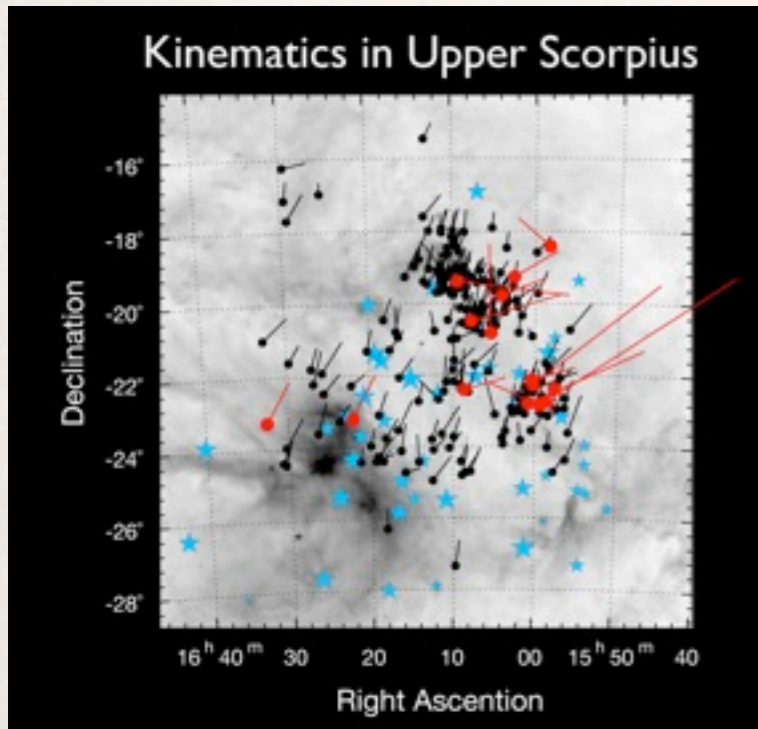
II. MAD-MAX vs MAD

Mass Function

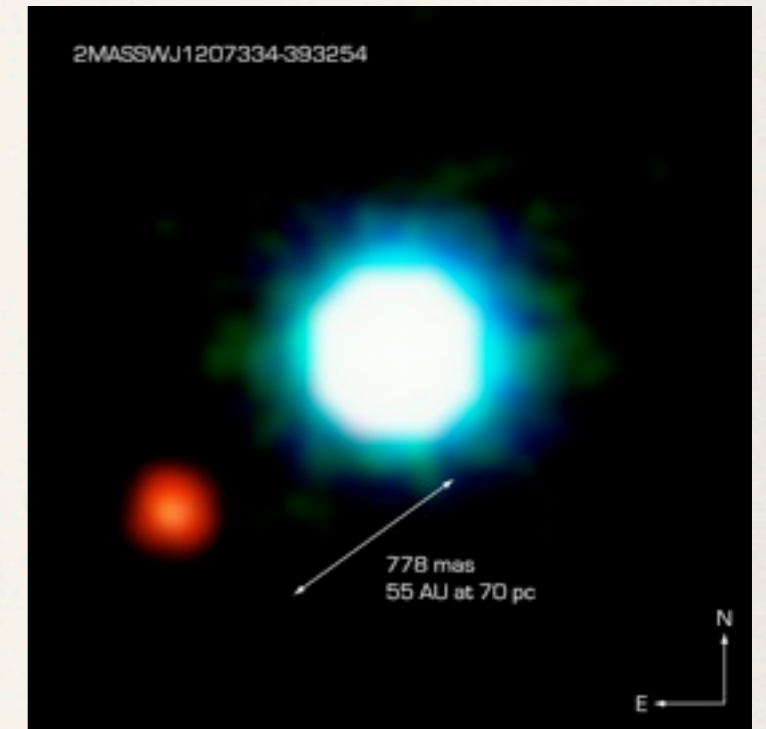
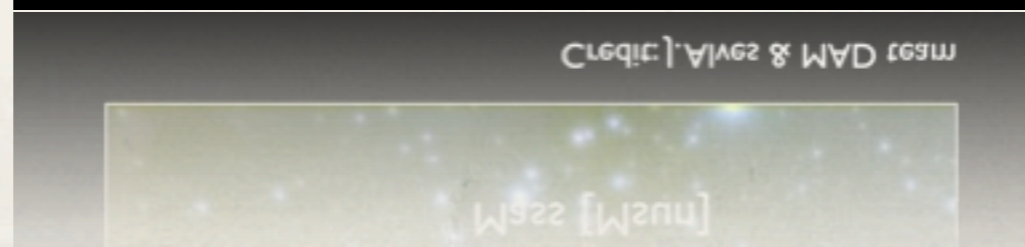
Multiplicity

Discs

Kinematics



Credit: J.Alves & MAD team

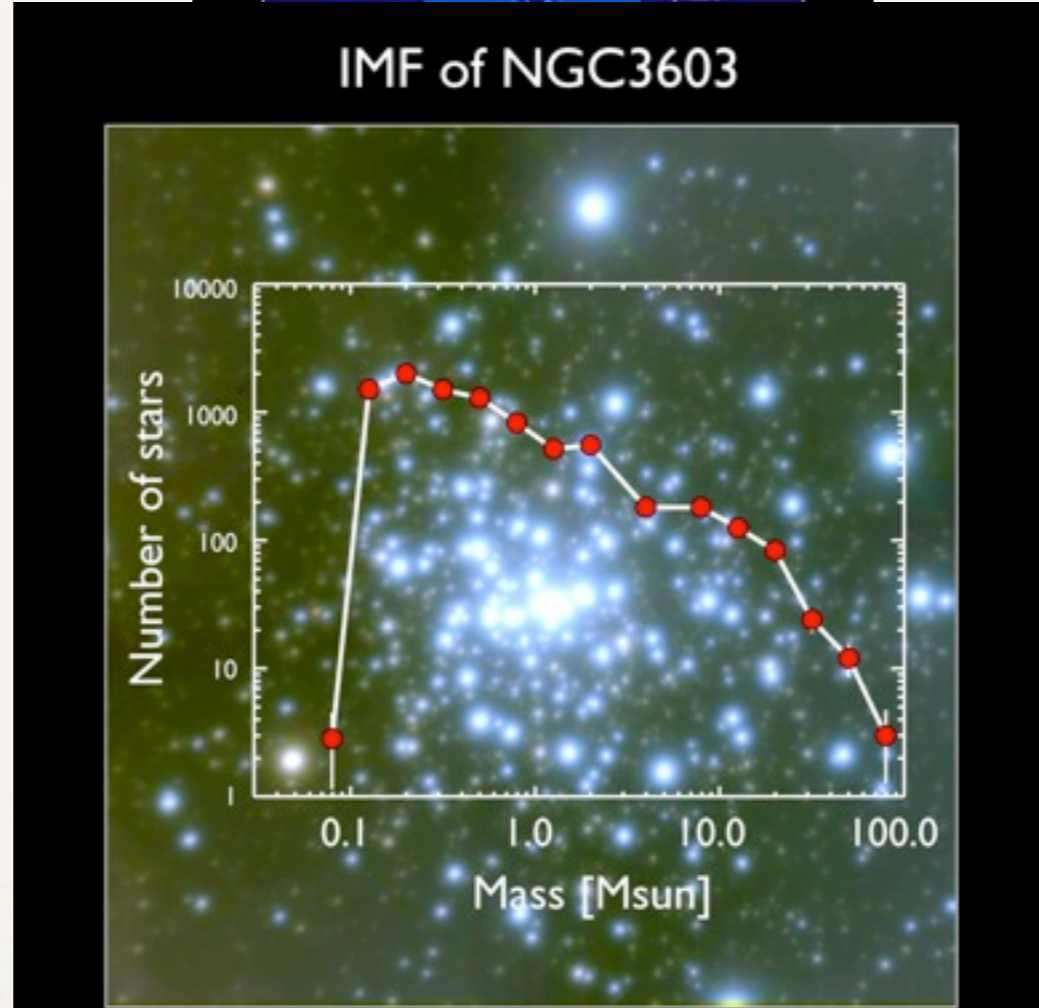
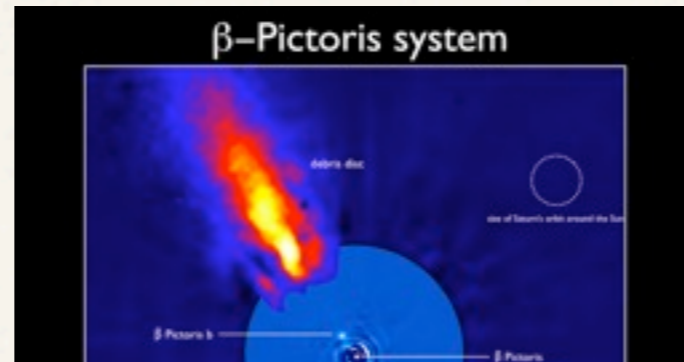
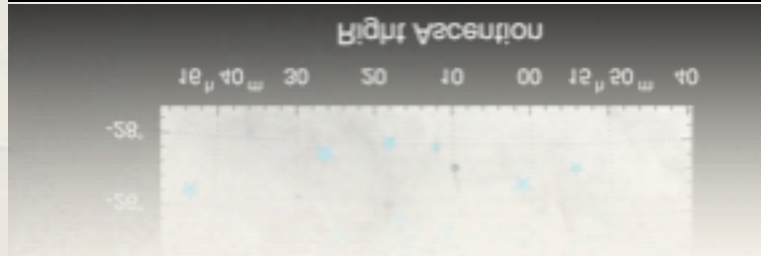
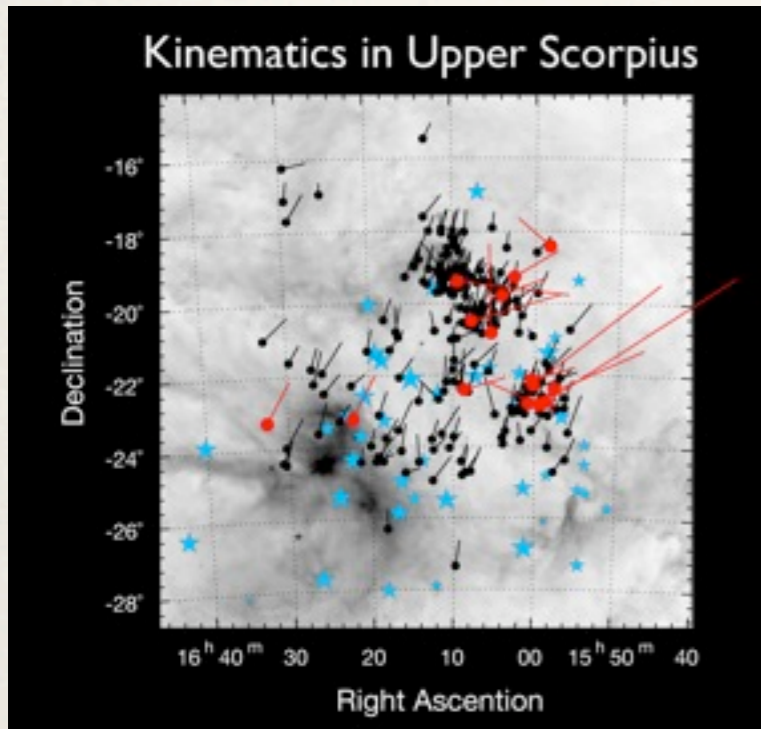


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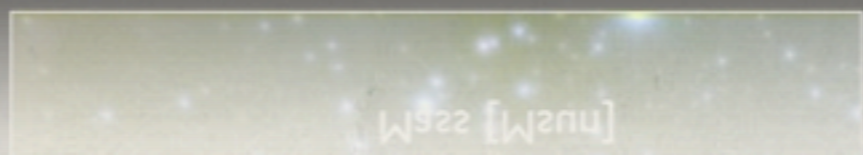
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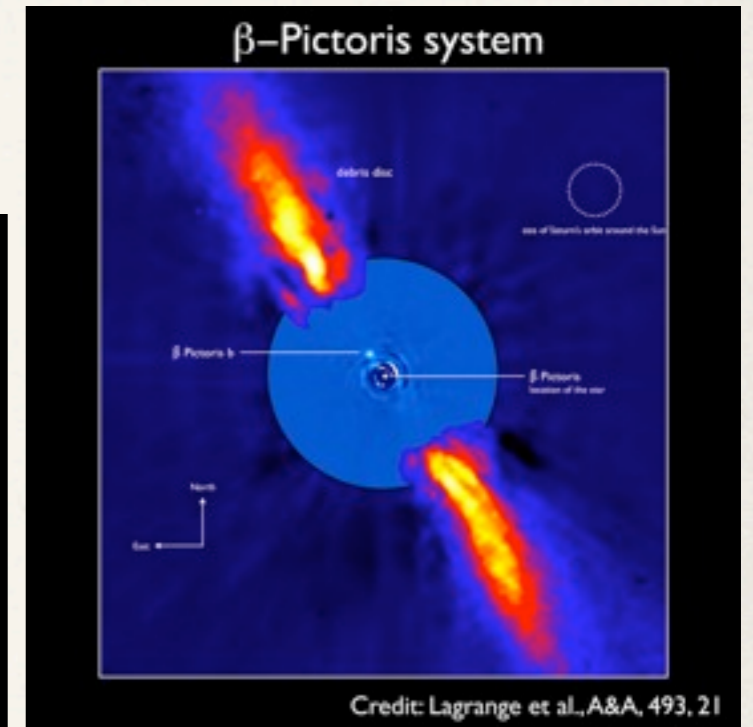
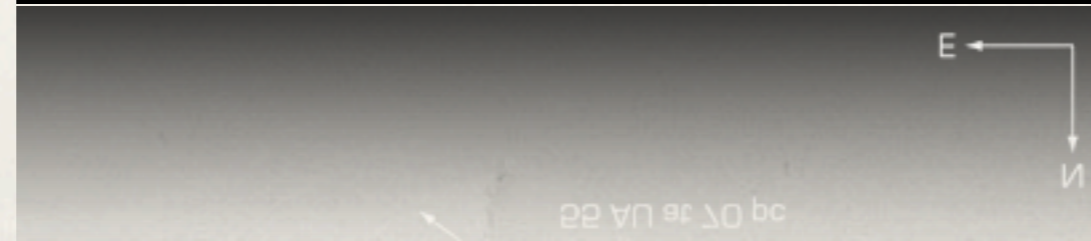
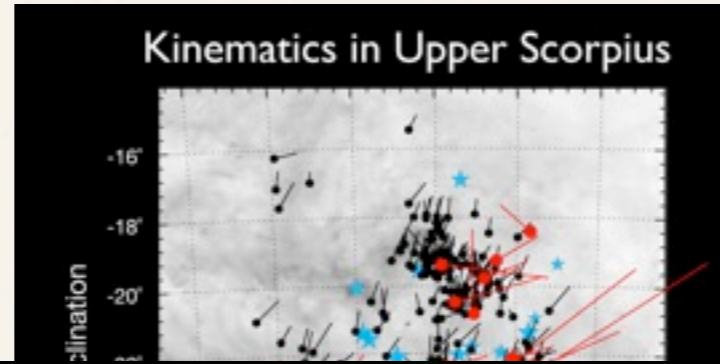
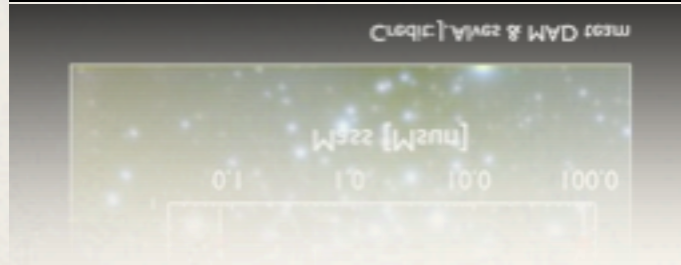
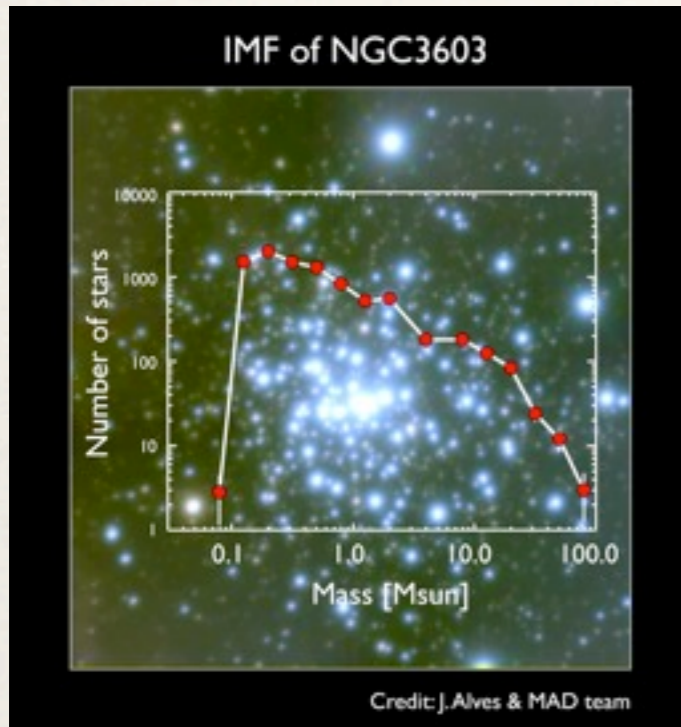


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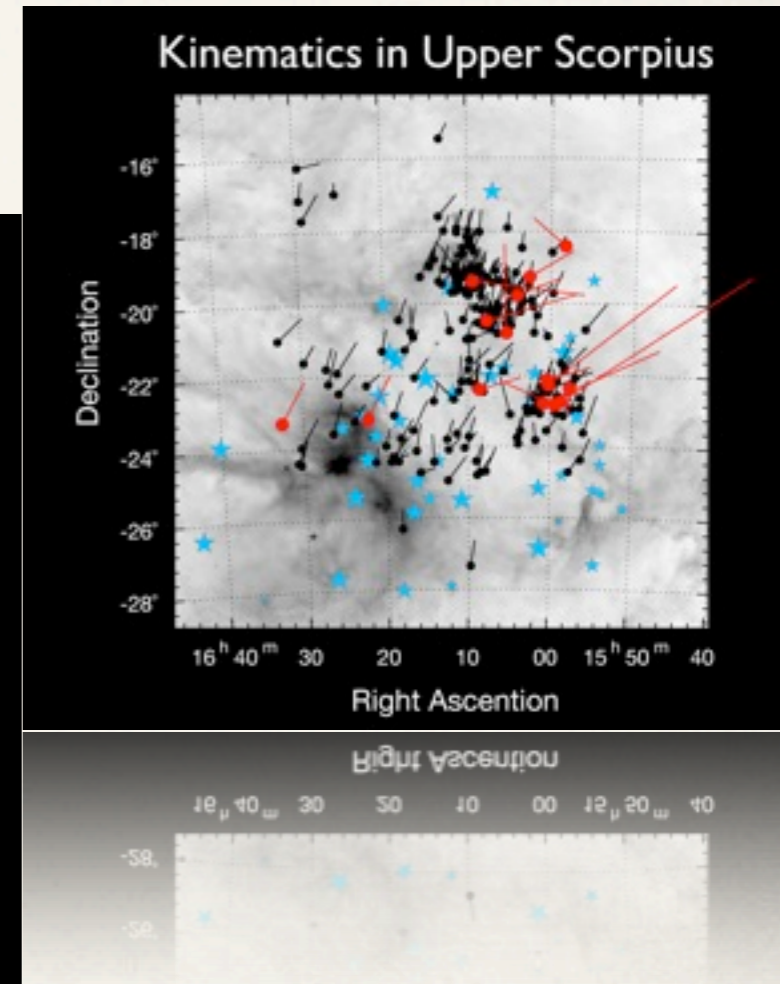
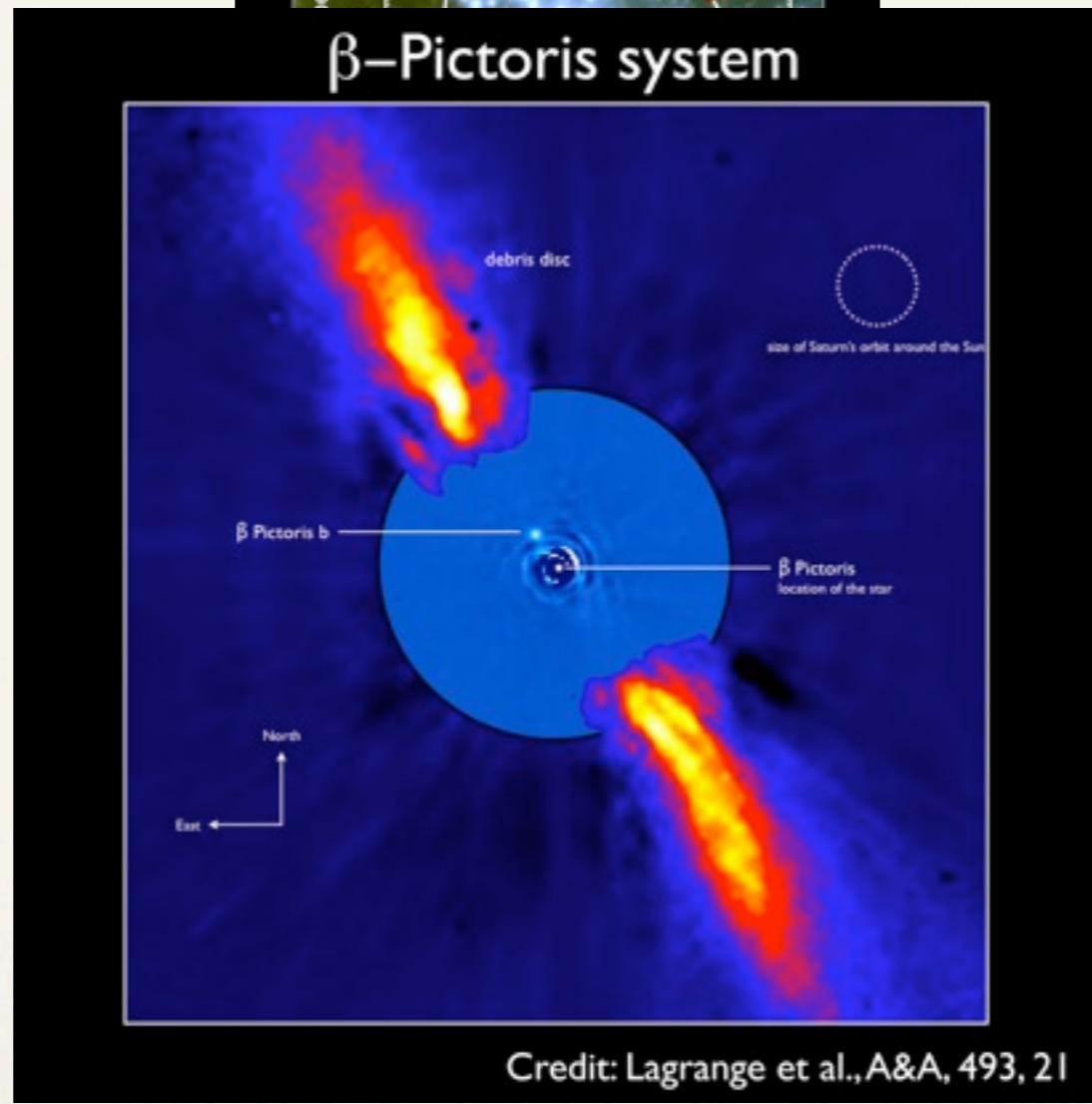
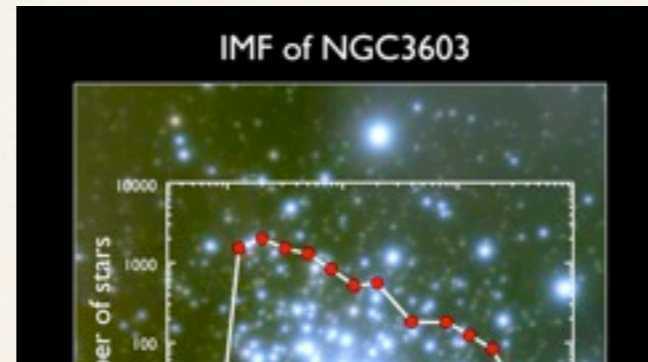
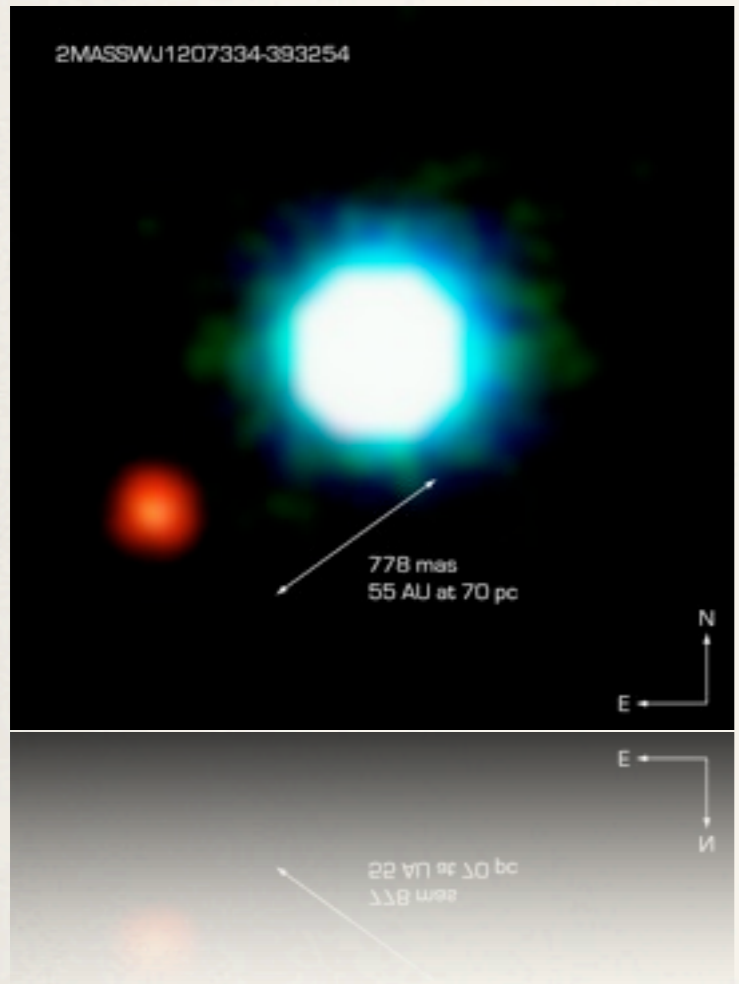


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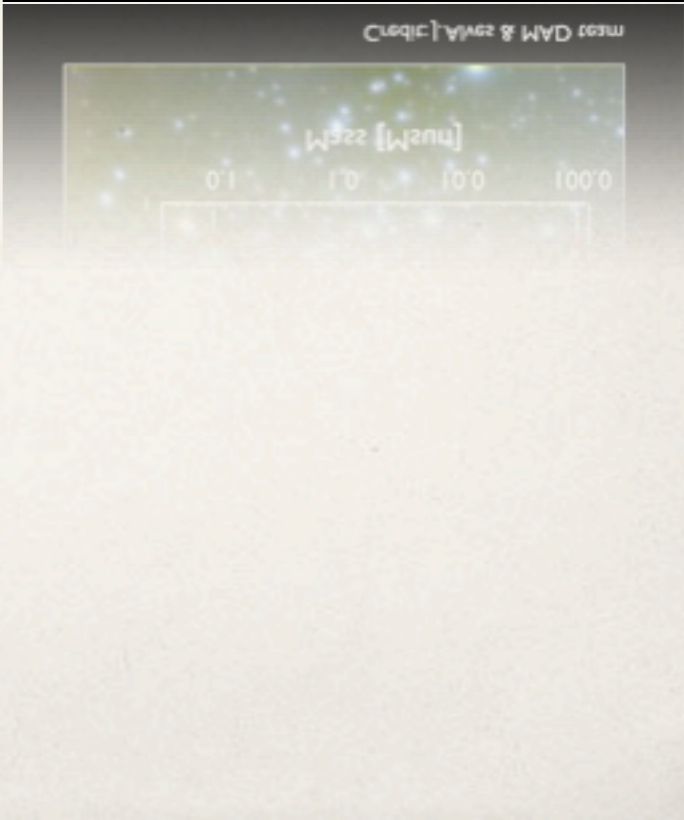
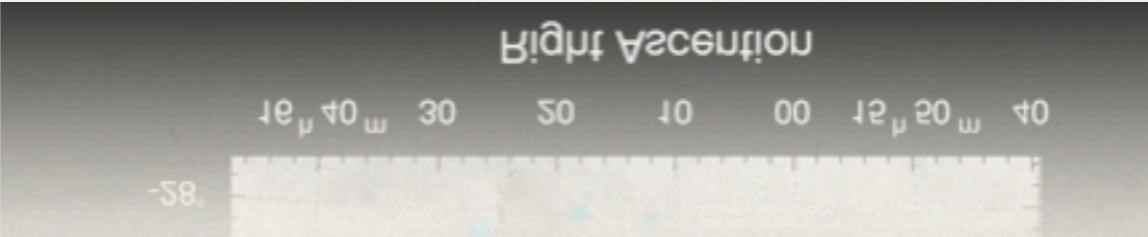
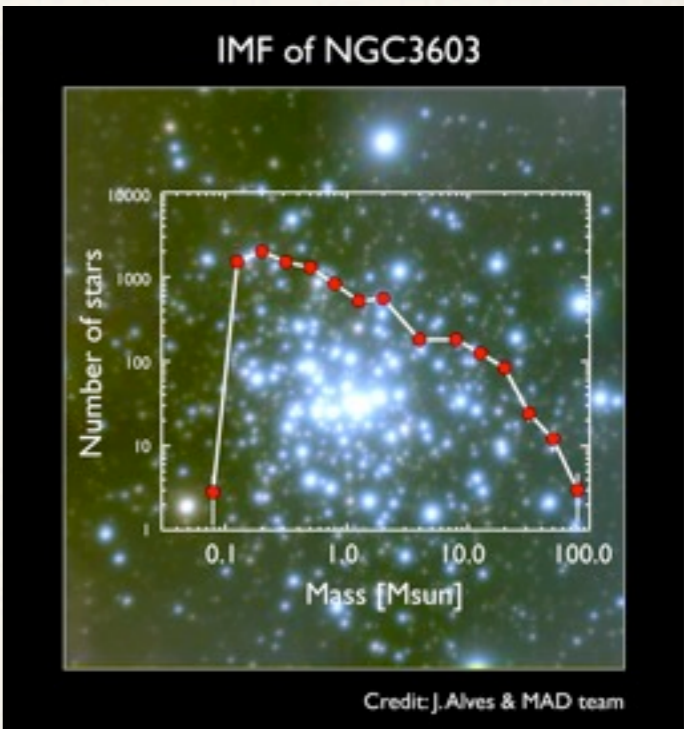
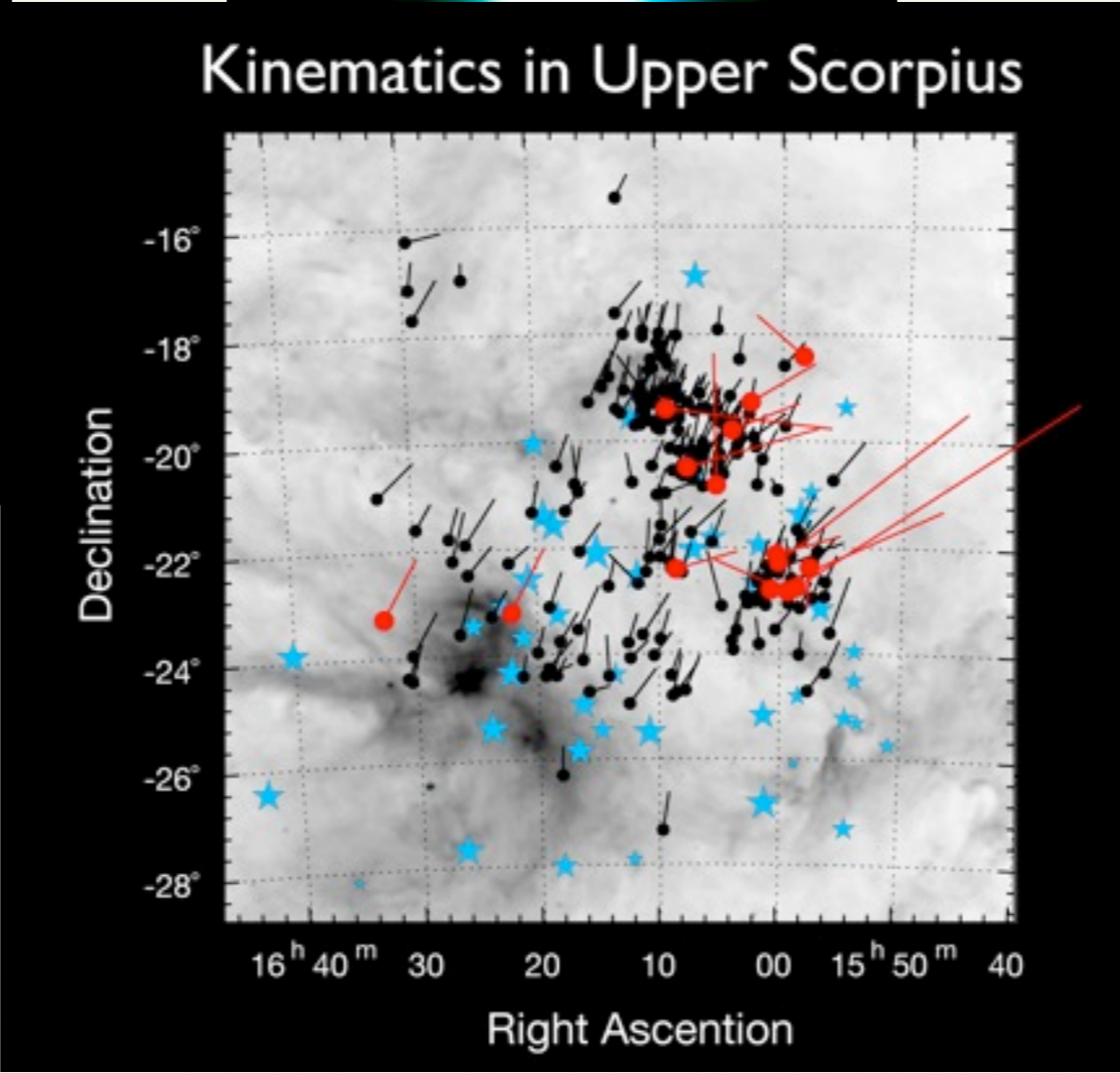
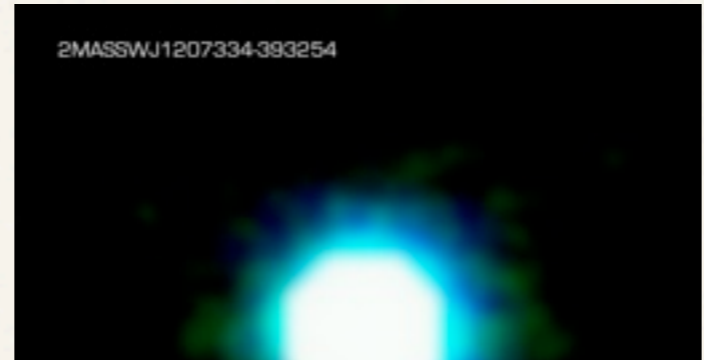
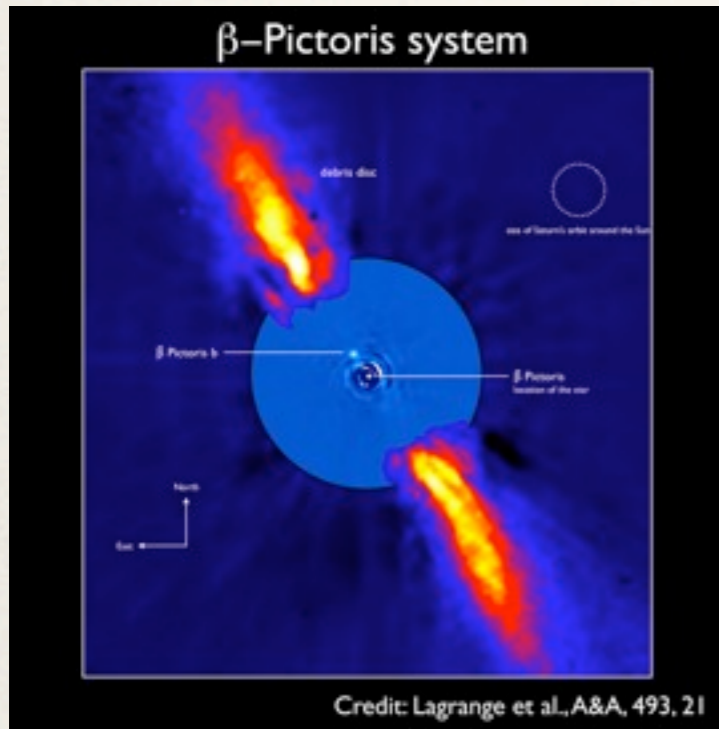


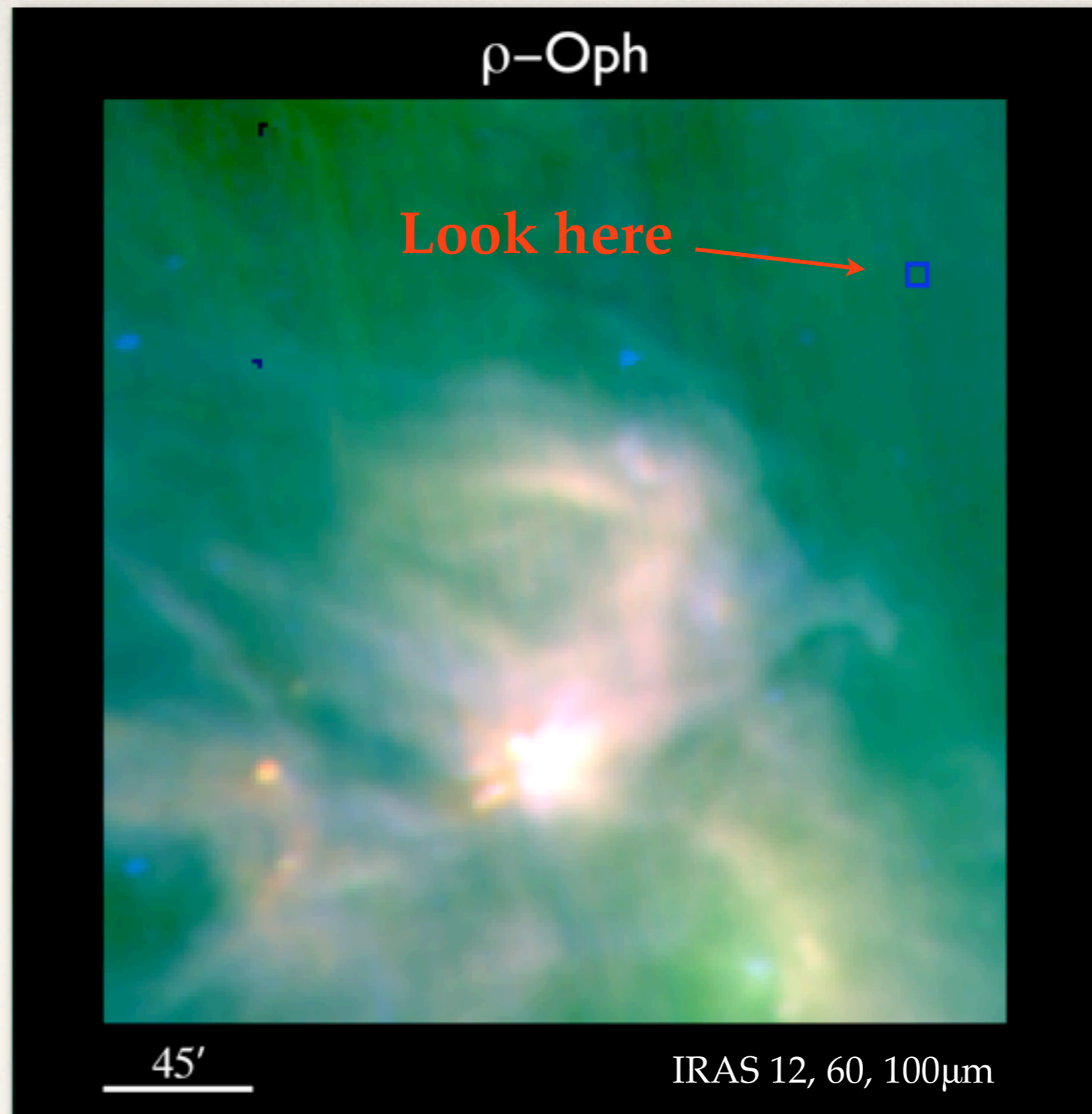
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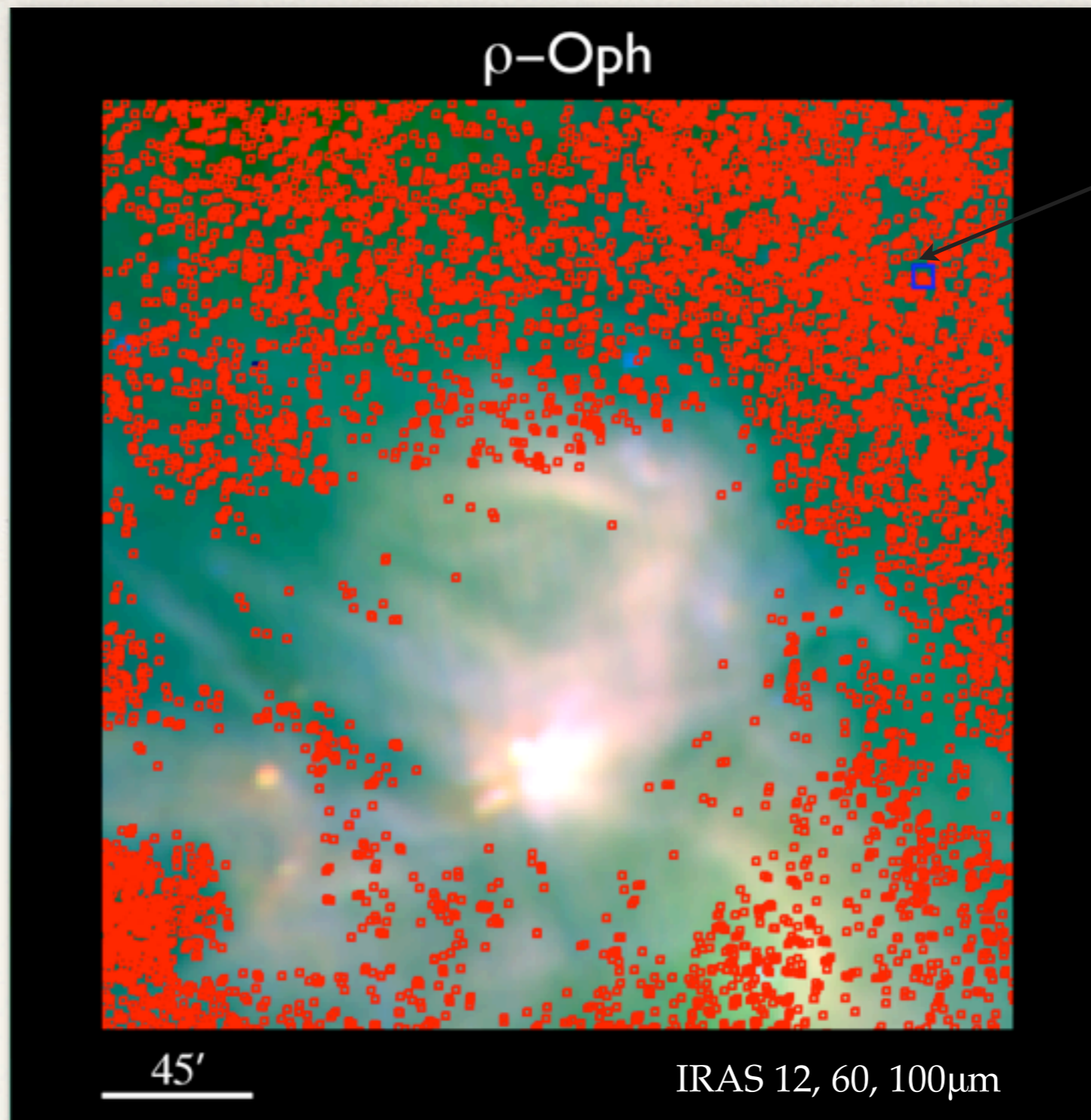
Kinematics





MAD vs MAD-MAX

in ρ -Ophiuchi (125pc, 1Myr)

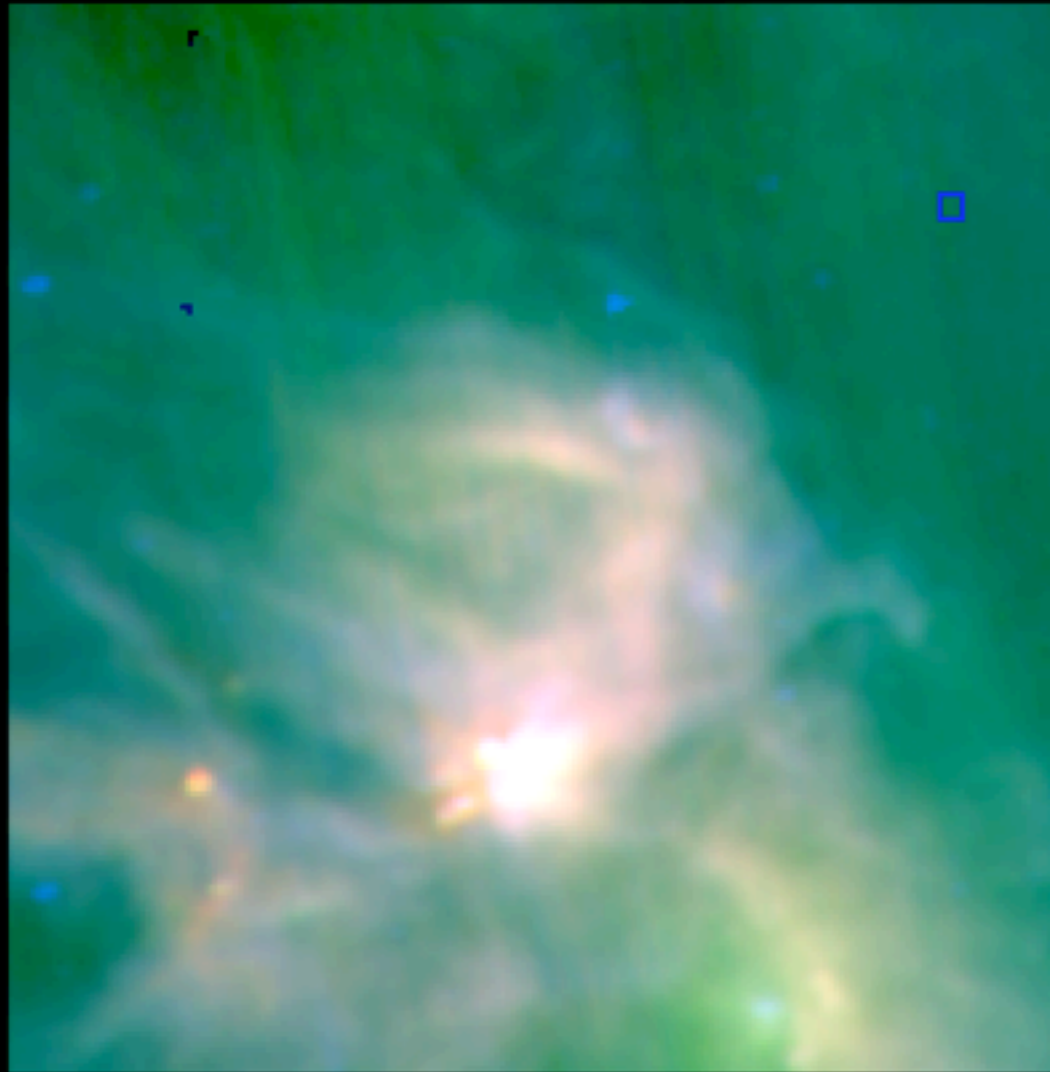


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MAD vs MAD-MAX

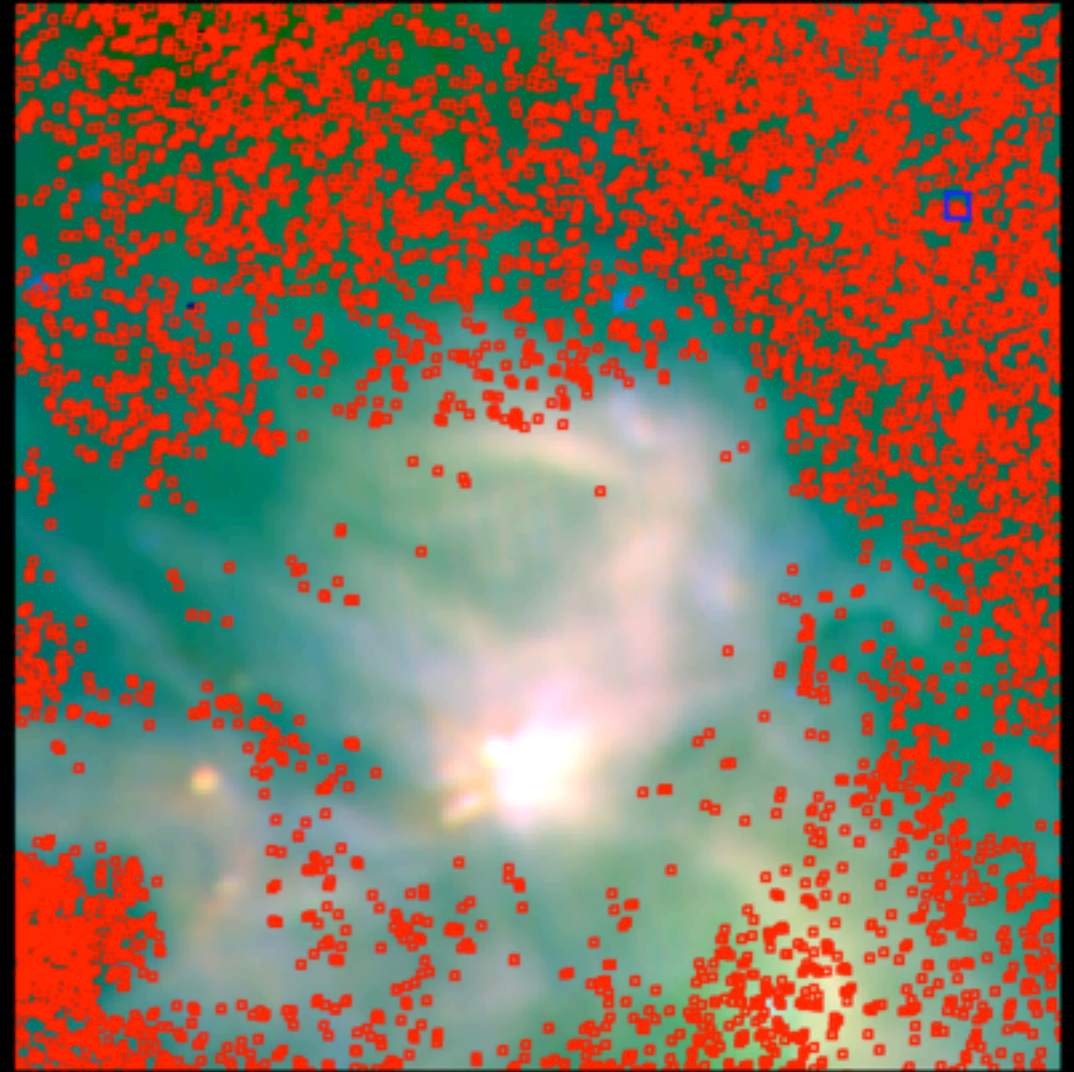
in ρ -Ophiuchi (125pc, 1Myr)

ρ -Oph



45'

ρ -Oph



45'

IRAS 12, 60, 100 μ m

MAD vs MAD-MAX

in ρ -Ophiuchi (125pc, 1Myr)



RCrA- Credit *Spitzer*/L. Allen



Serpens - Credit ESO *HAWK-I* team



Perseus - Credit *Spitzer* / c2d

ρ -Oph - Credit *Spitzer* / c2d