

# Protostellar wind observations from ALMA

A study of systems B228 and B335

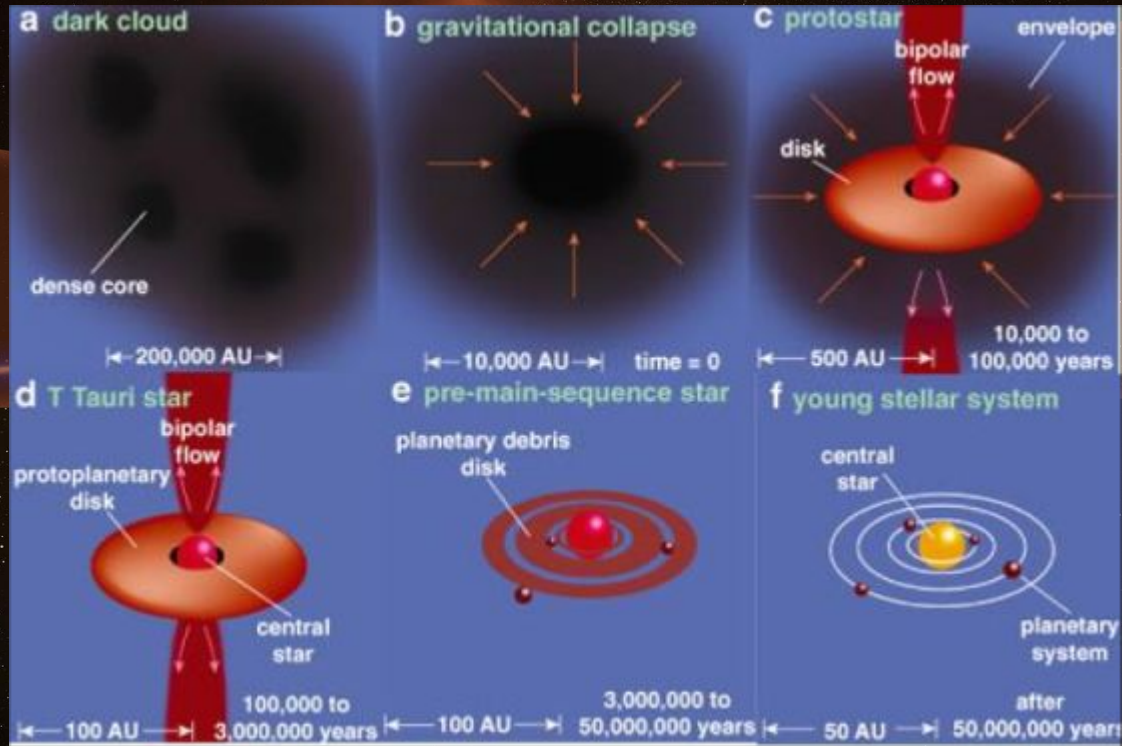
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# Research objectives

1. Find evidence of mass loss due to winds, atomic jets and molecular outflows in two protostellar systems.
2. Establish a premise of how frequent the phenomenon is amongst similar protostellar systems.
3. Visually represent the data from ALMA-telescope as a proof of a significant material ejection in young forming stars.



# Context



Cartoon from Greene, American Scientist, Jul-Aug 2001

# Experimental Data and Methodology

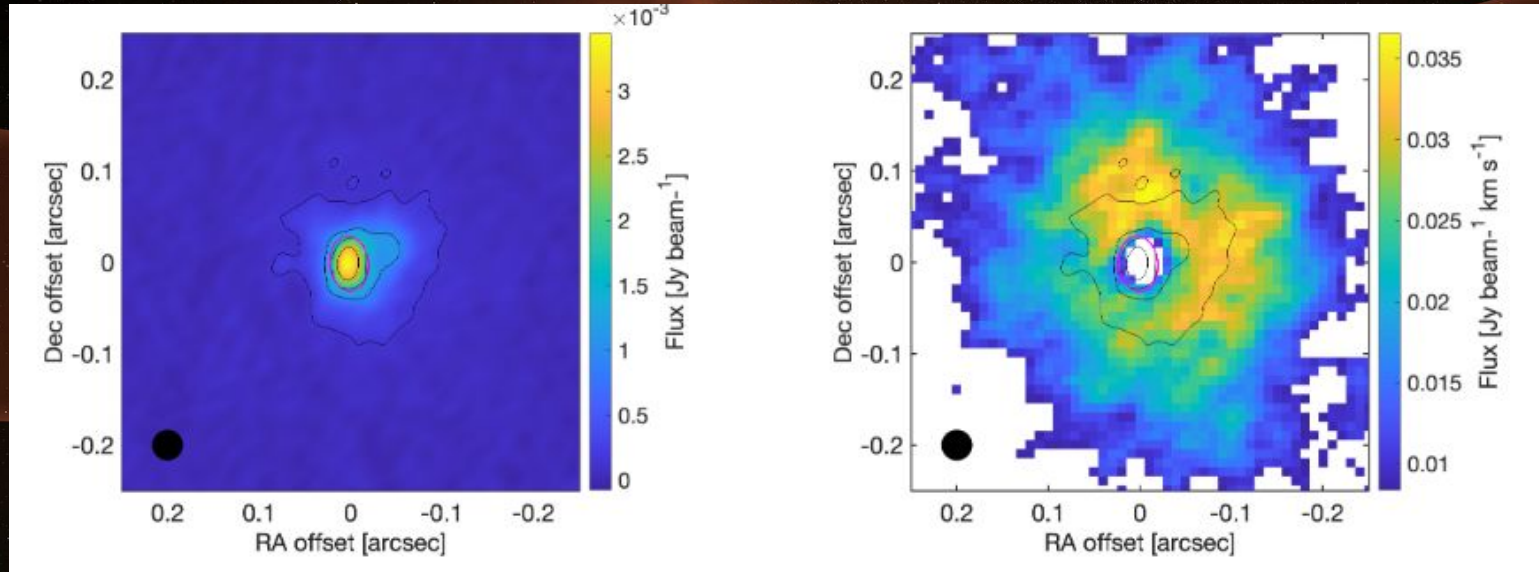


Figure 1 from Bjerkeli et al. (2023) “Episodic infall towards a compact disk in B335?”

CARTA and numerical processing of the data with Python will allow to draw conclusions.



## Next steps

1. Continue to explore the literature about observational studies of B228, B335 and HH212, winds and other mass ejection mechanisms in forming stars.
2. Review of academic documentation on protostellar processes as of current understanding.
3. Learn the efficient use of CARTA, CASA and programming languages oriented to data analysis in order to process the datasets from ALMA.