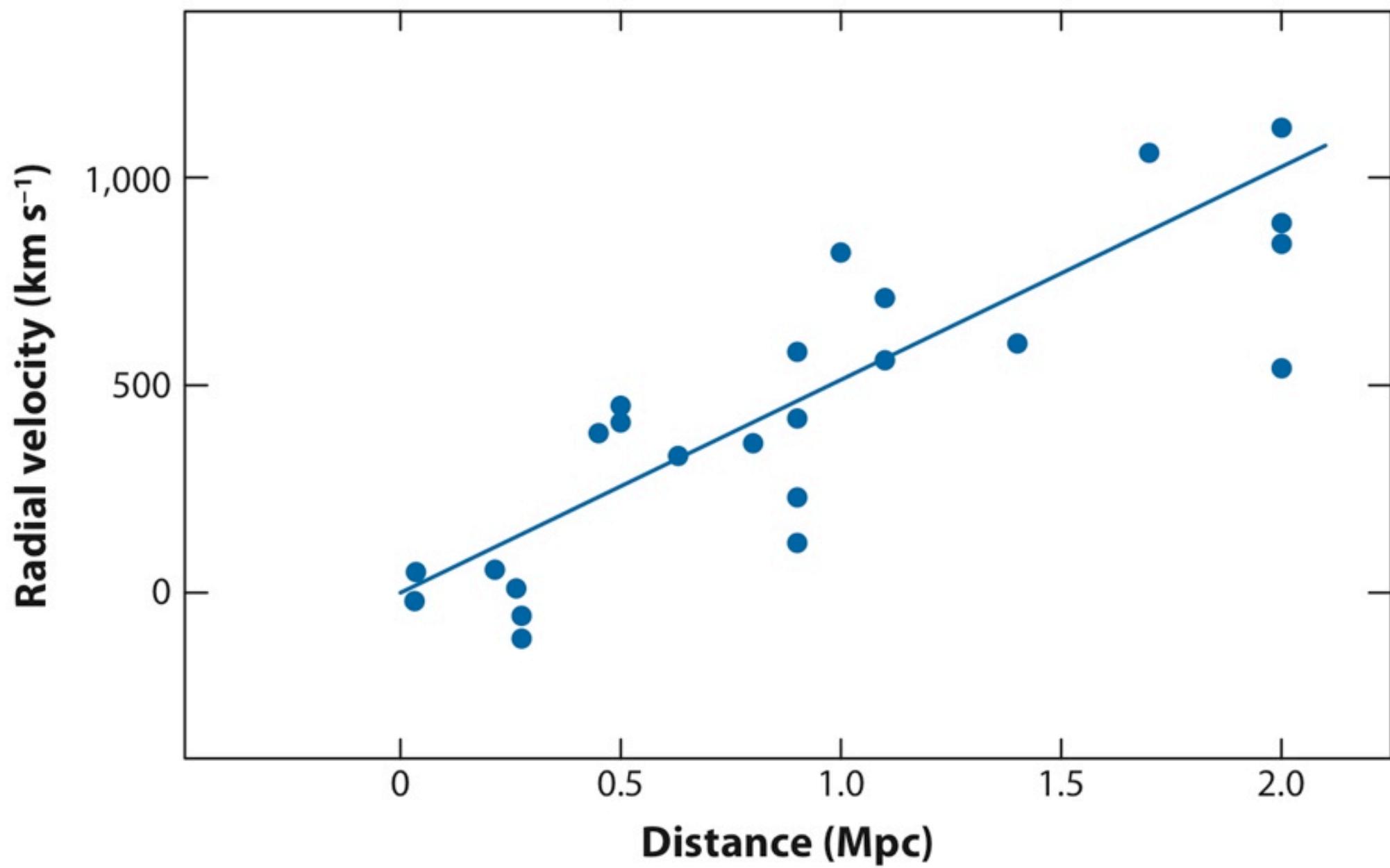
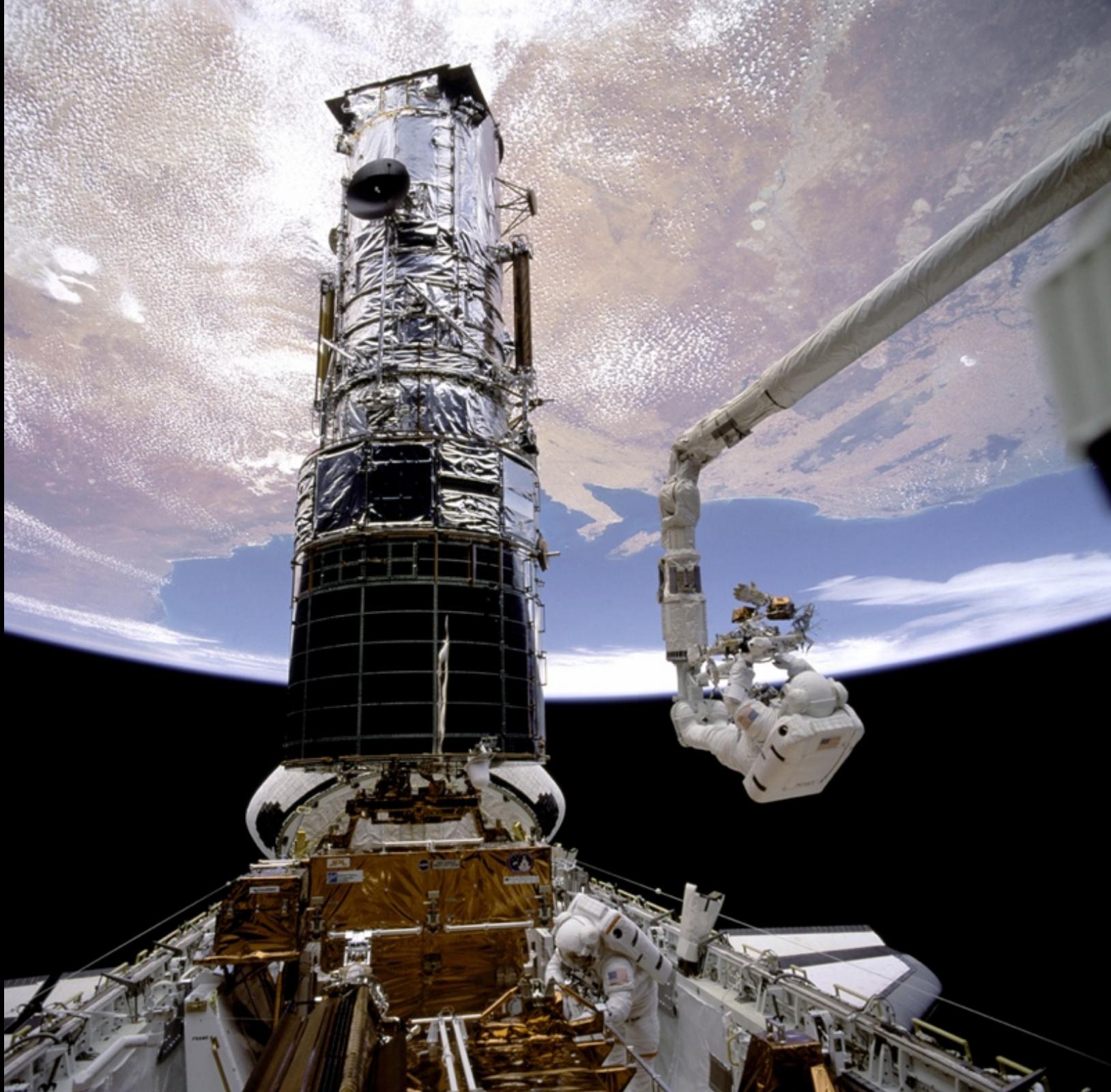


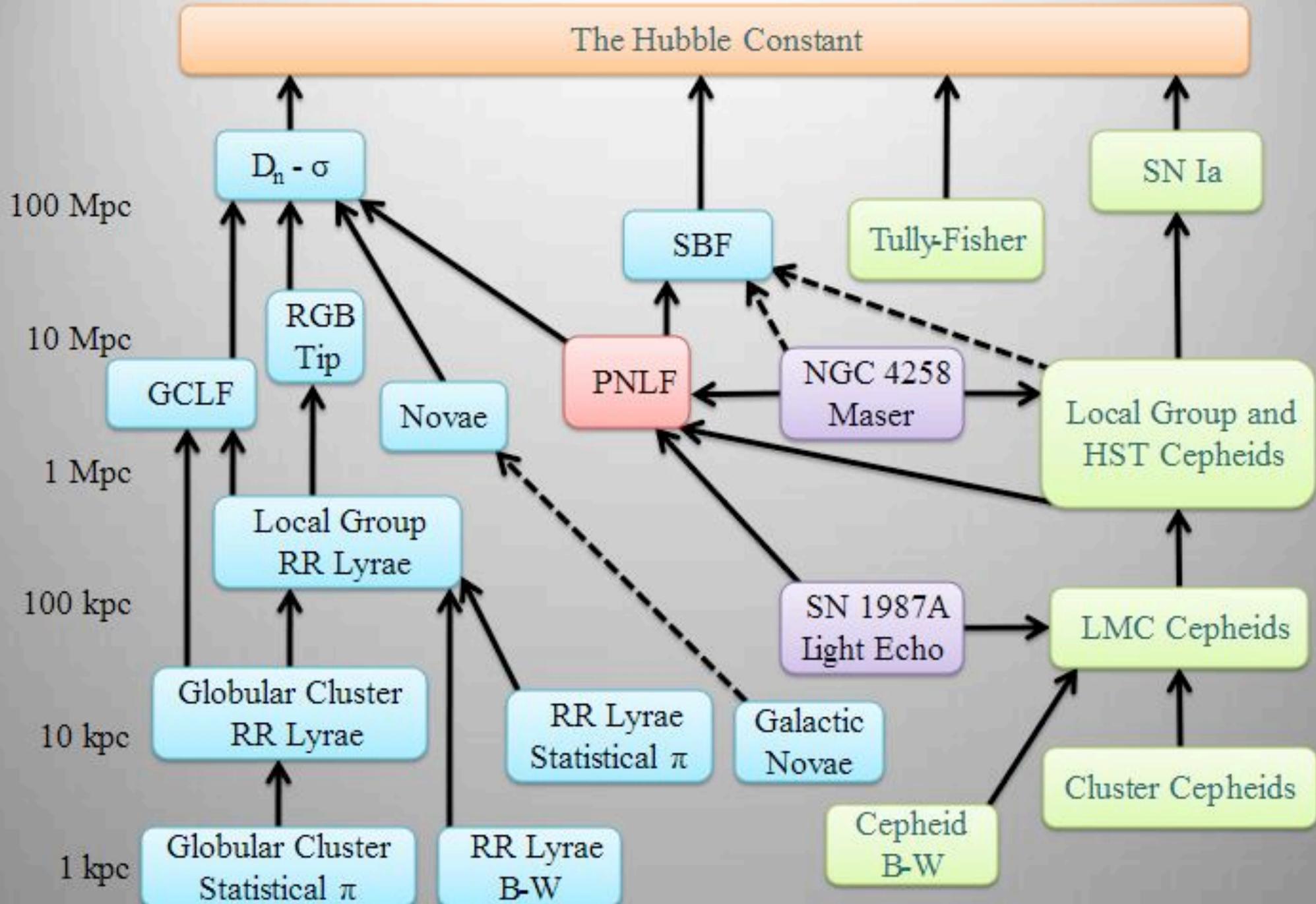
Introduction to Cosmology

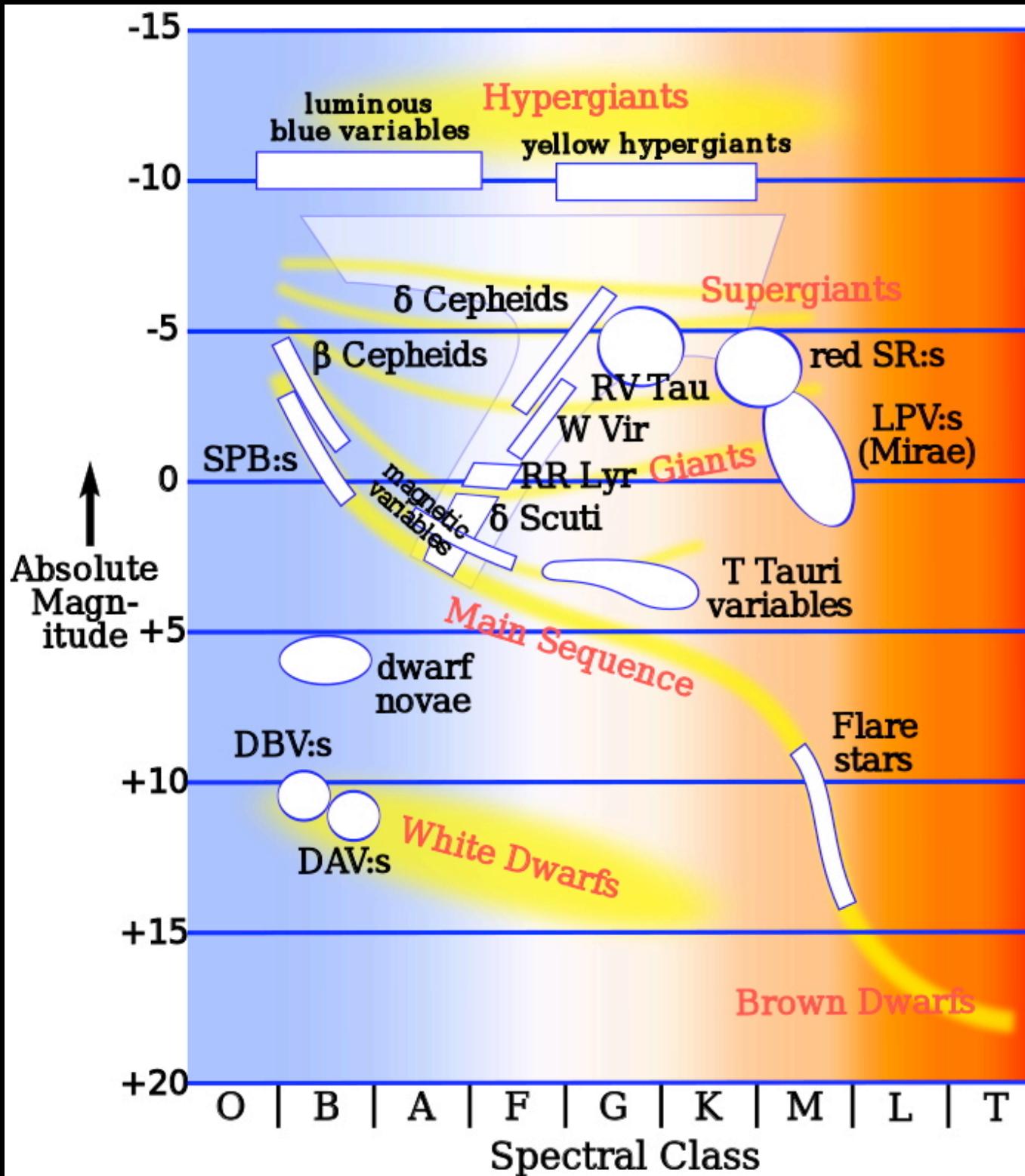
Lecture 17

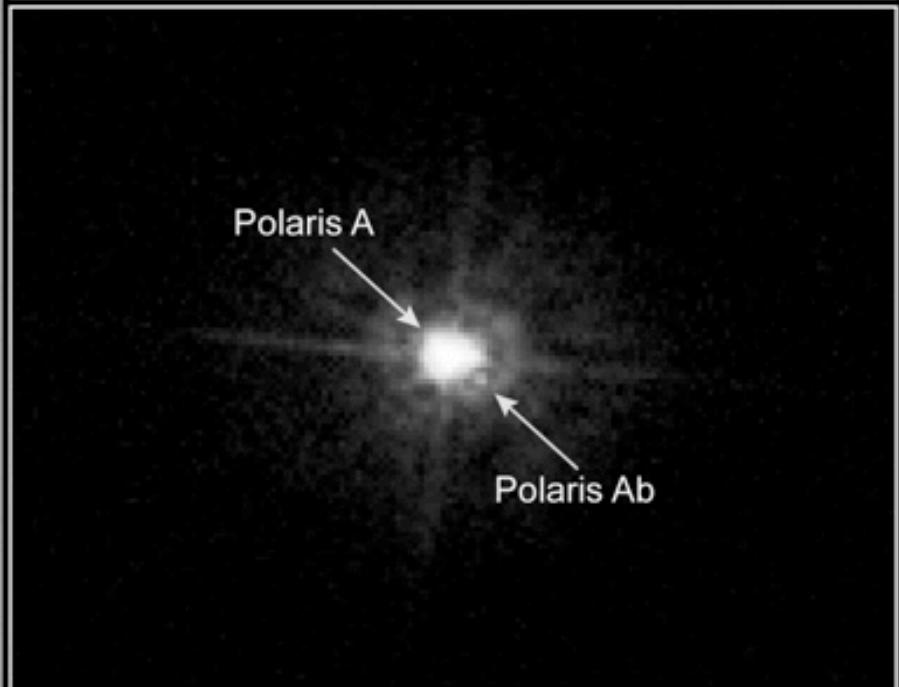
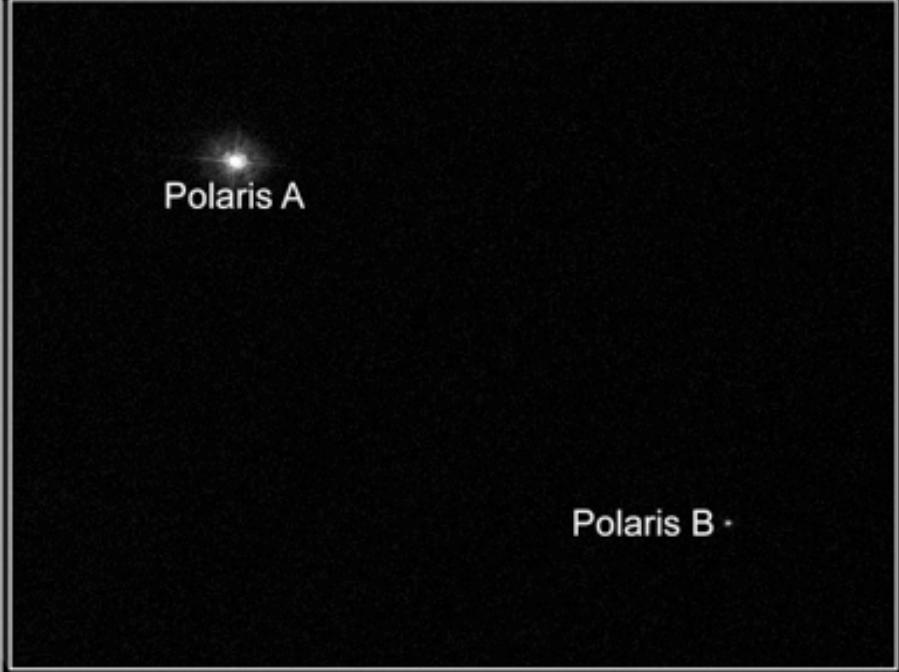
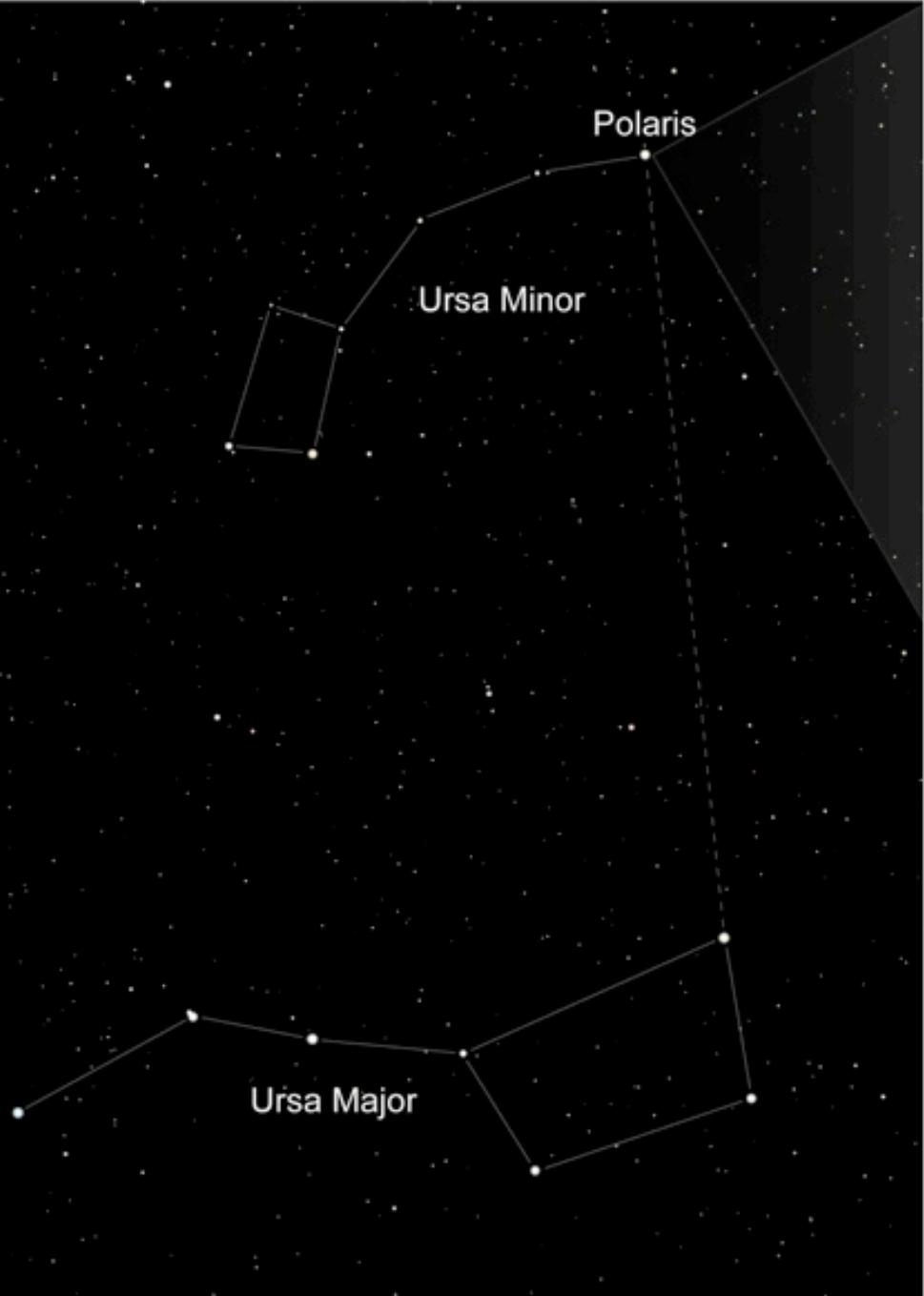




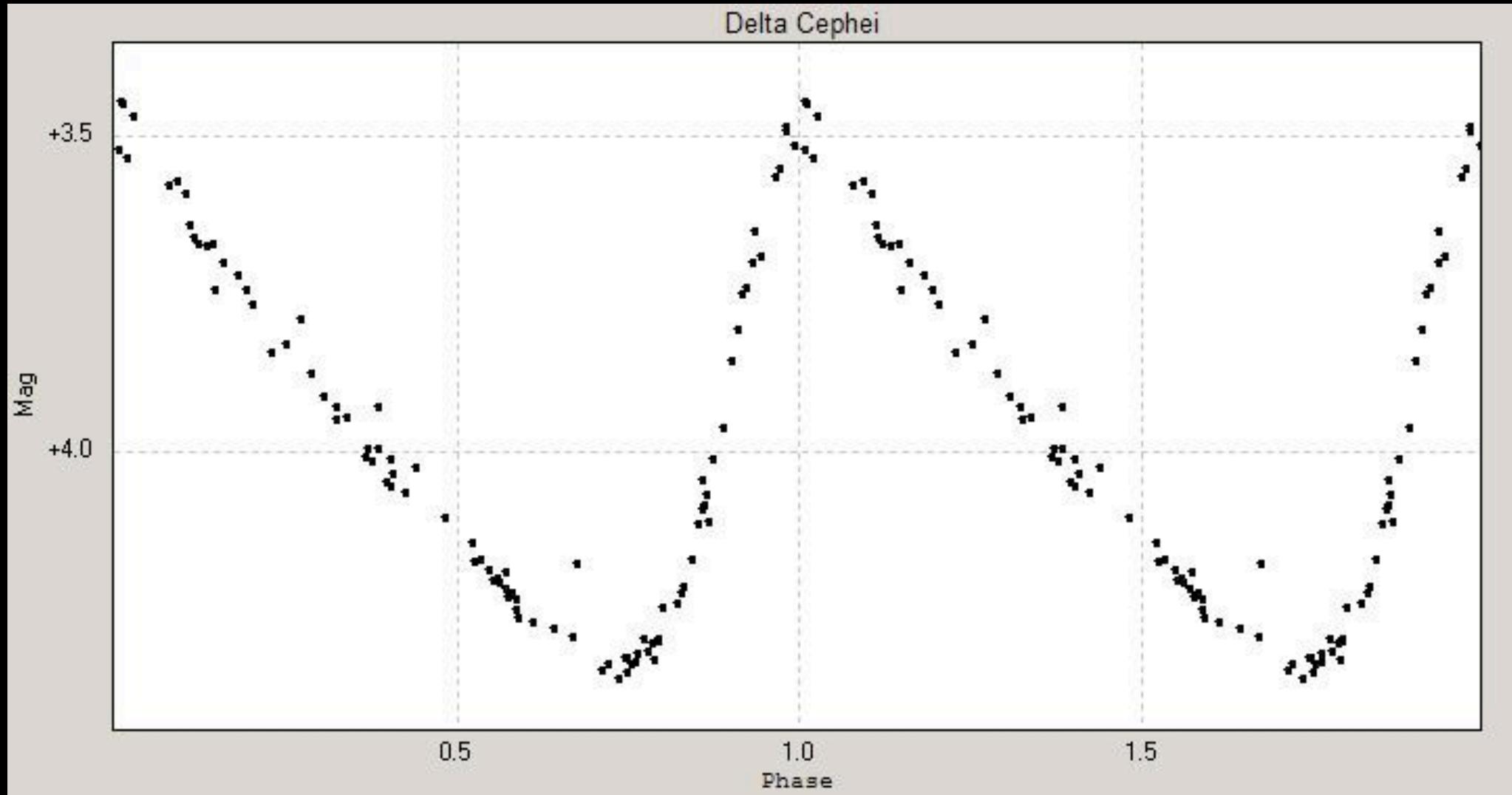
Extragalactic Distance Ladder







Delta Cephei



Period-Luminosity Relation for Cepheids

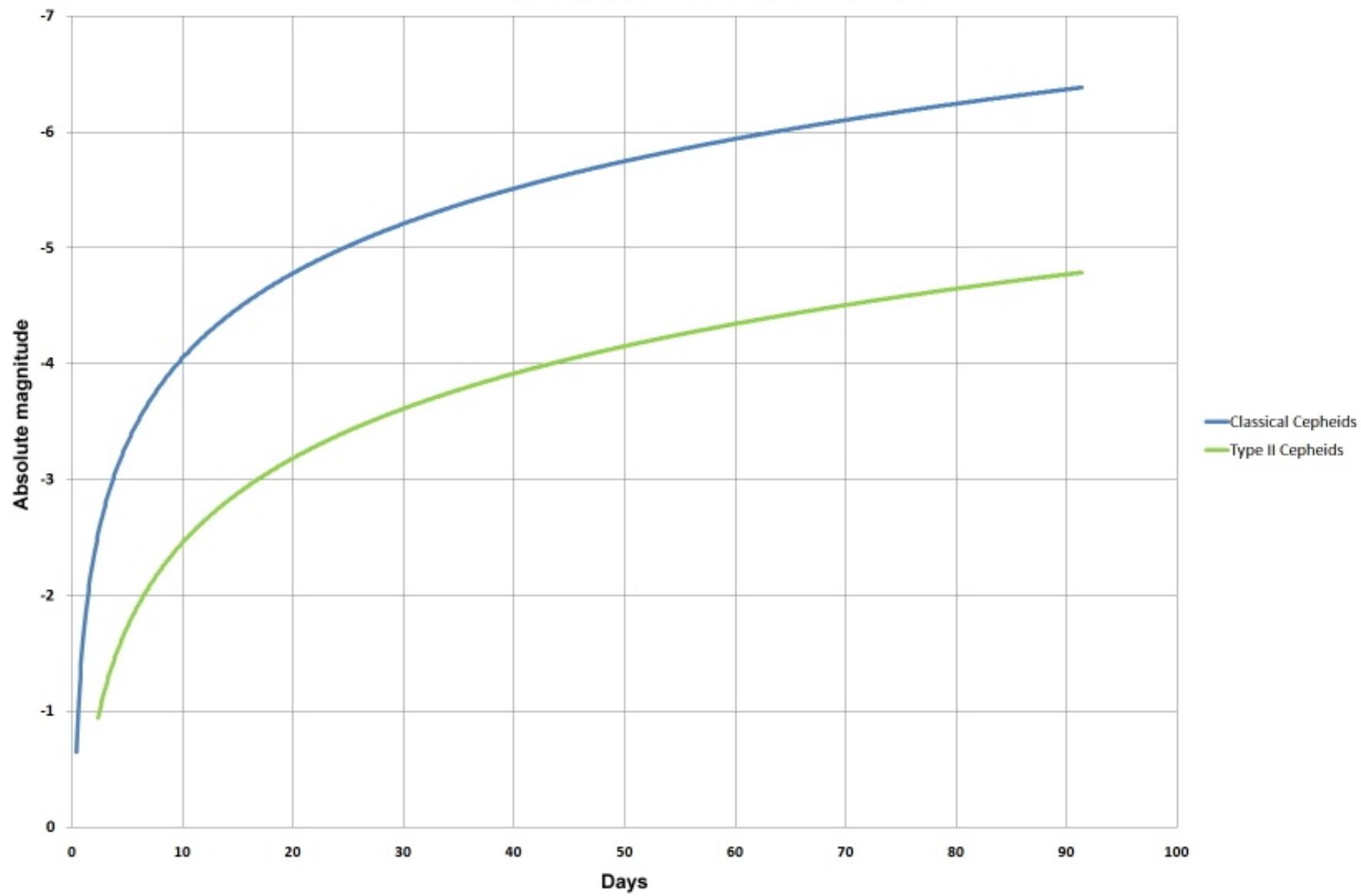
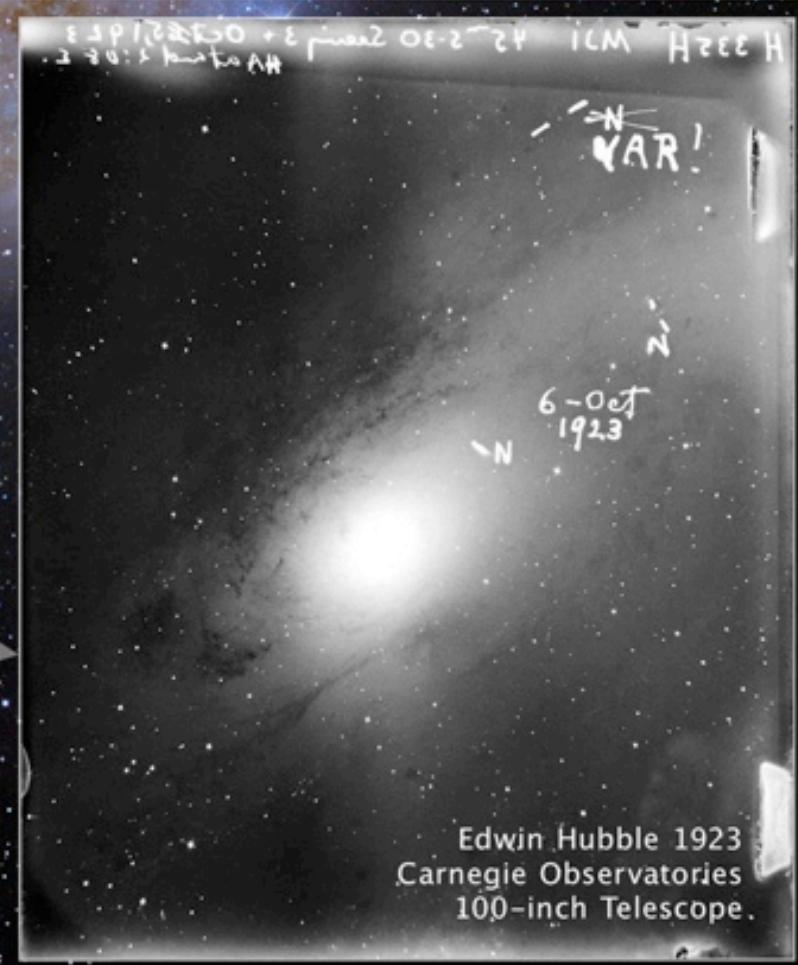




Photo: R. Gendler



Hubble Space Telescope
WFC3/UVIS

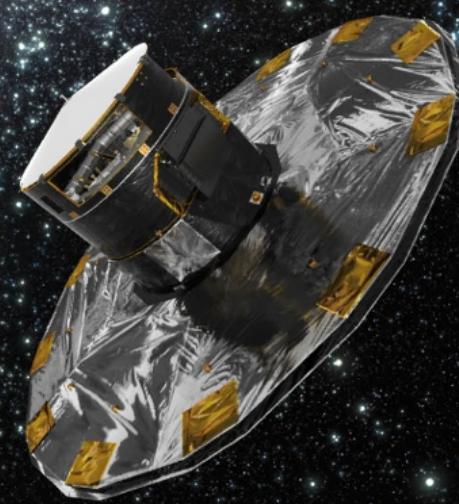


Edwin Hubble 1923
Carnegie Observatories
100-inch Telescope.



gaia

→ THE BILLION STAR SURVEYOR



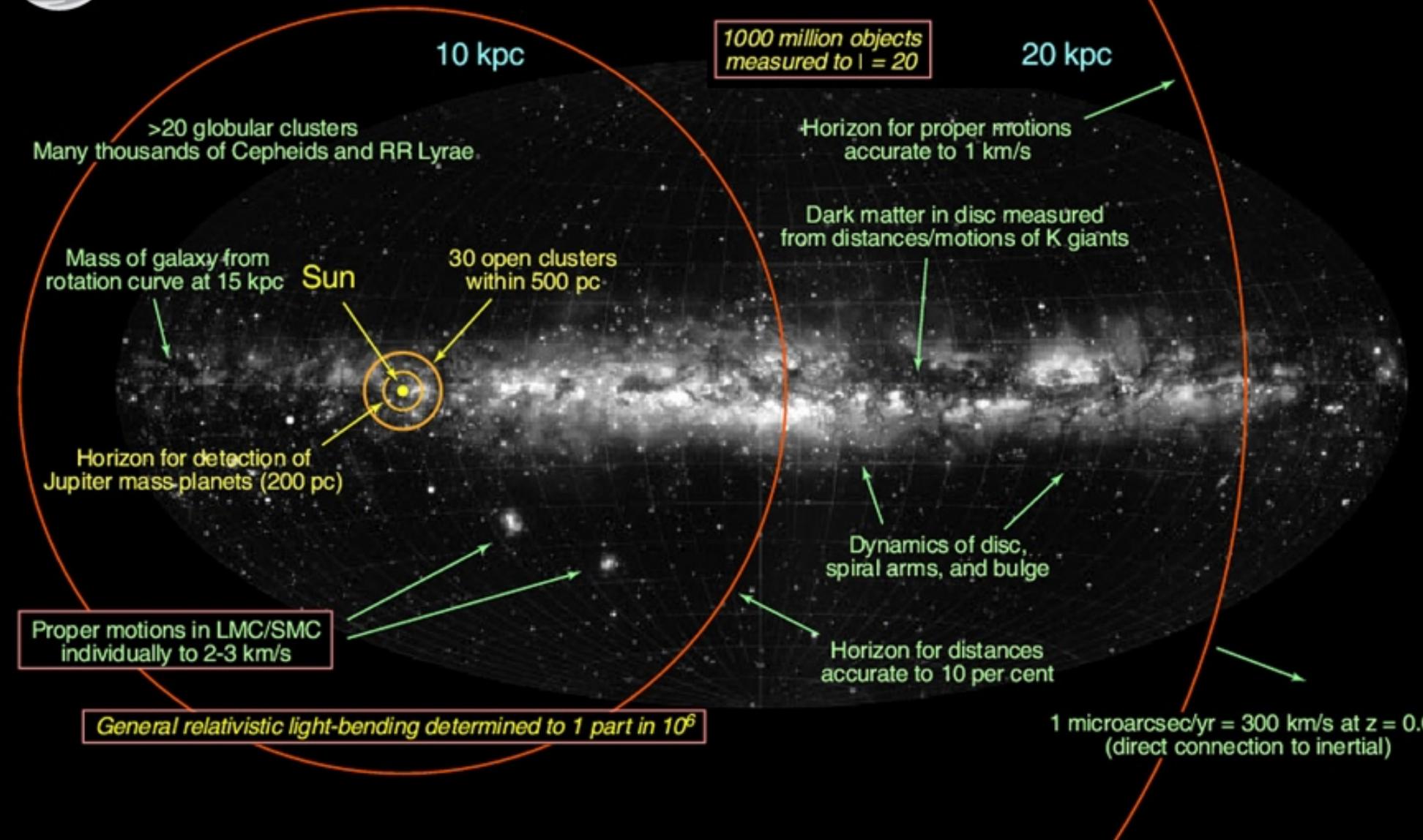
Background image: ESO/C. Butcher





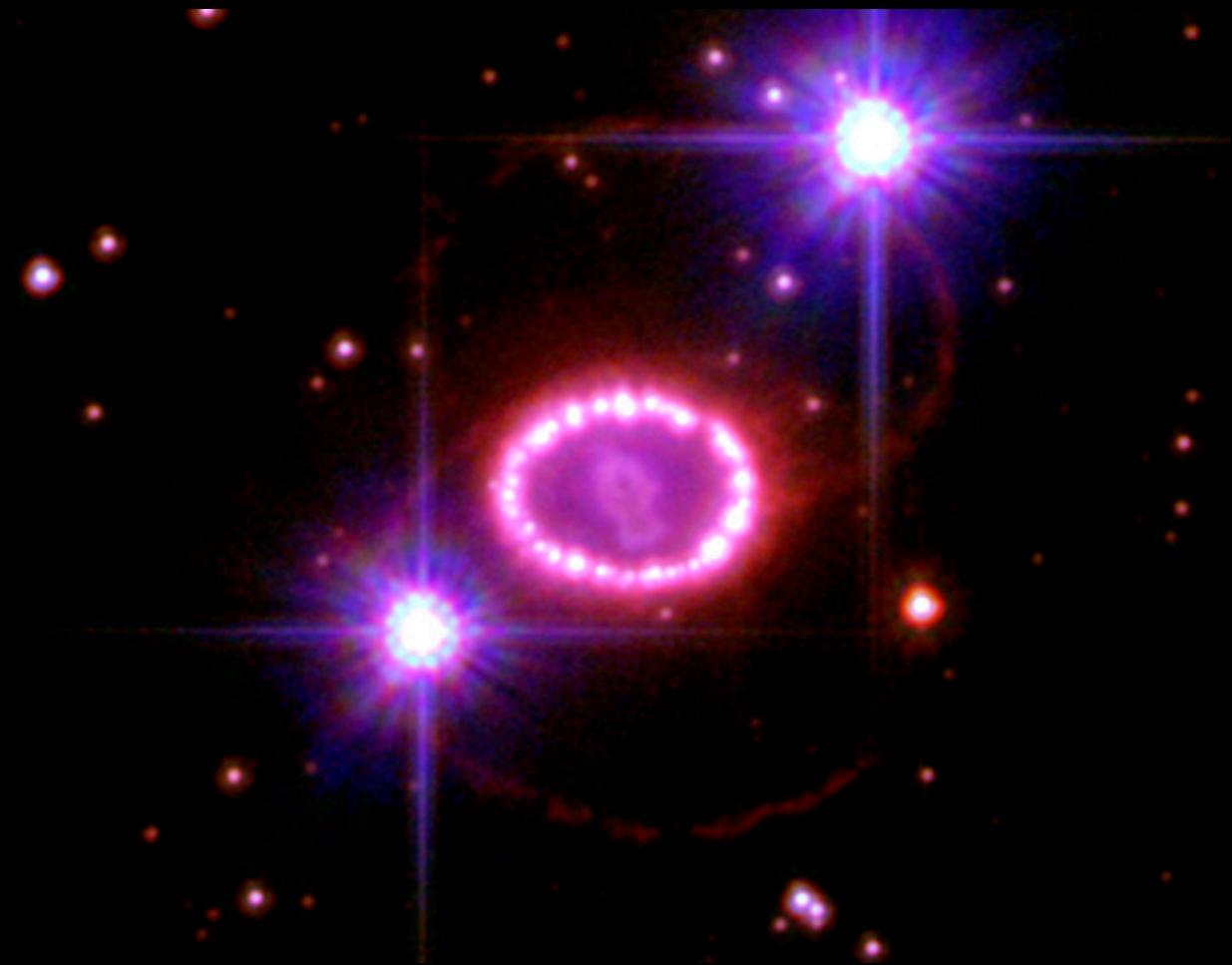
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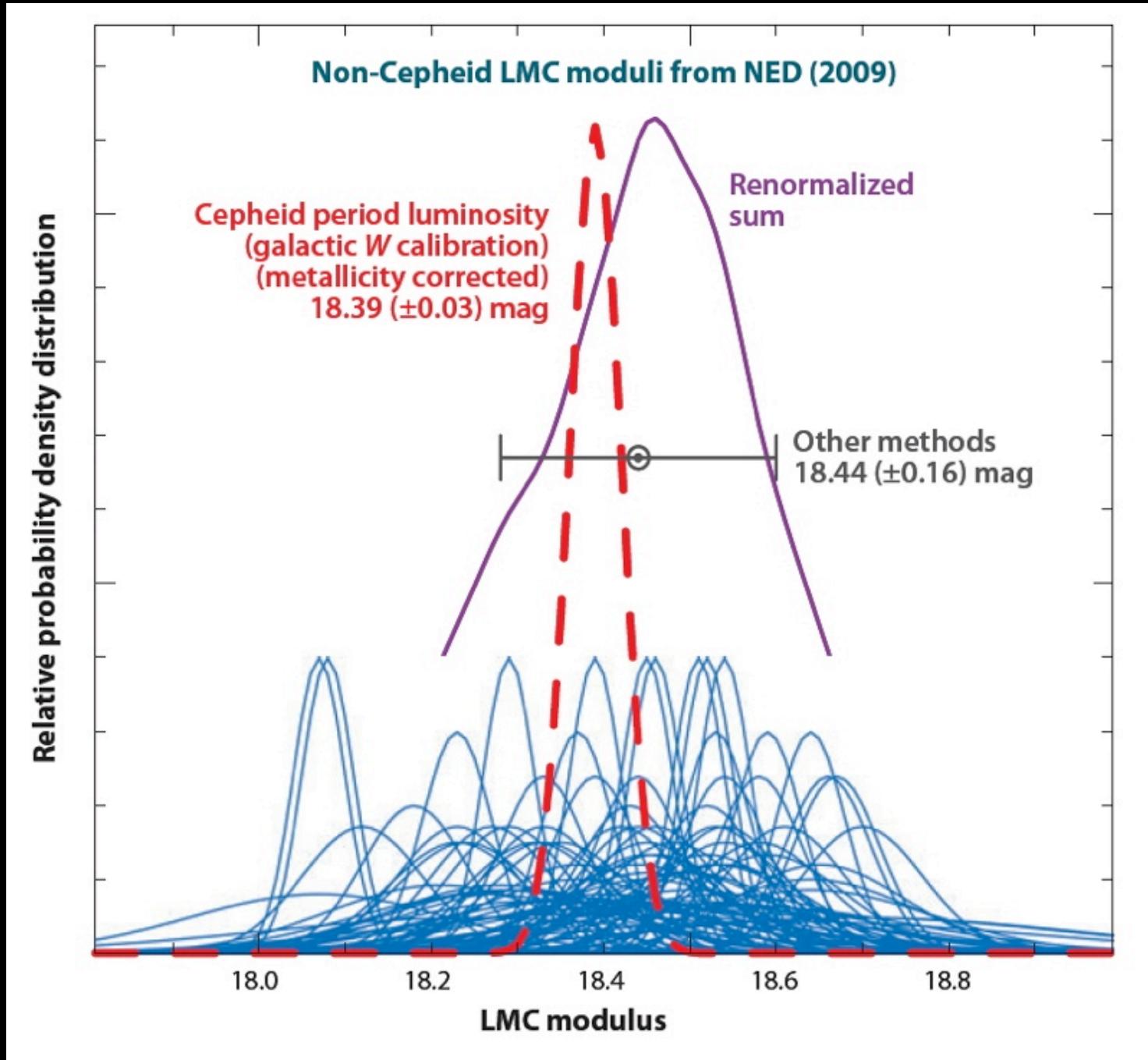
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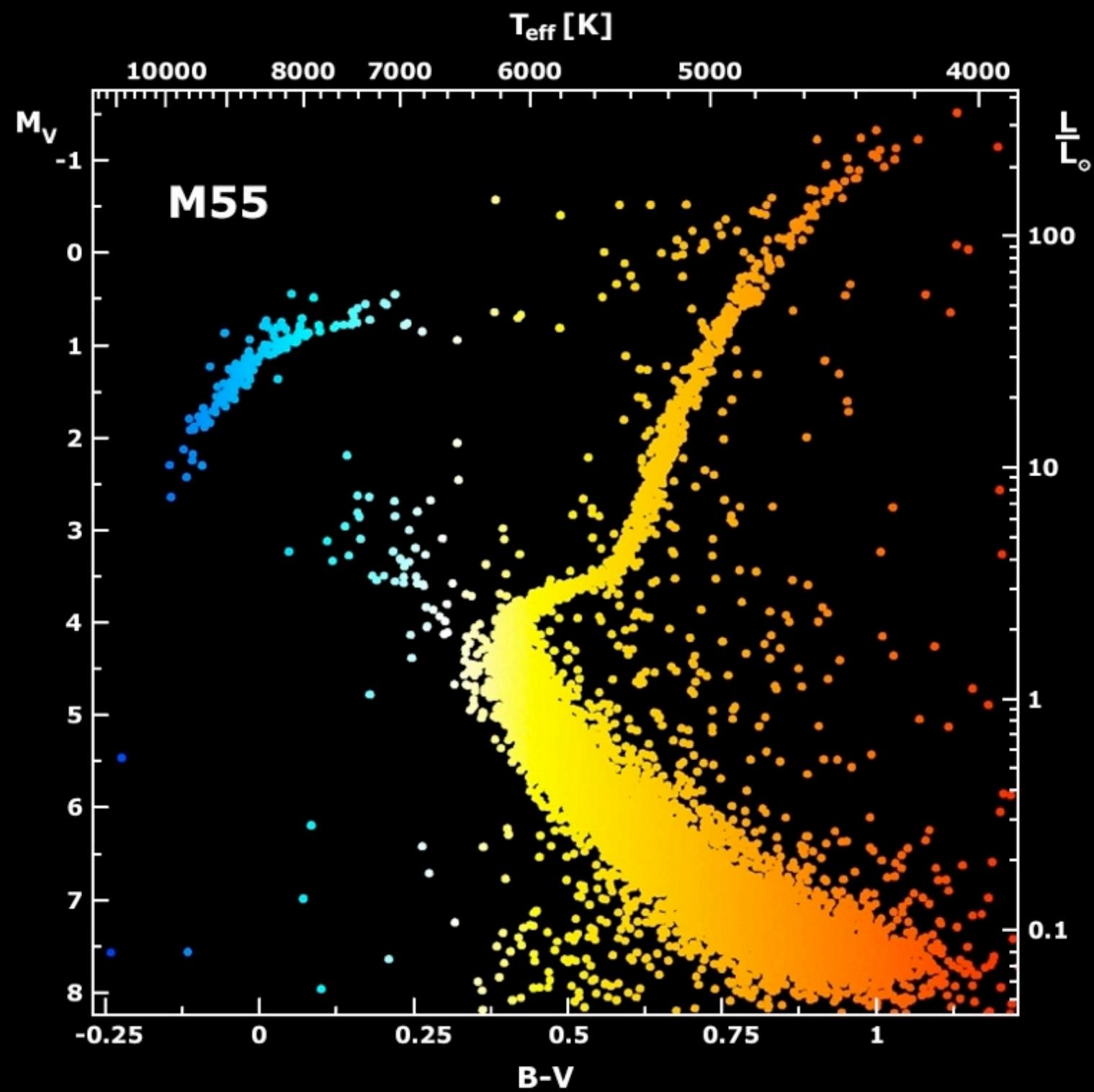
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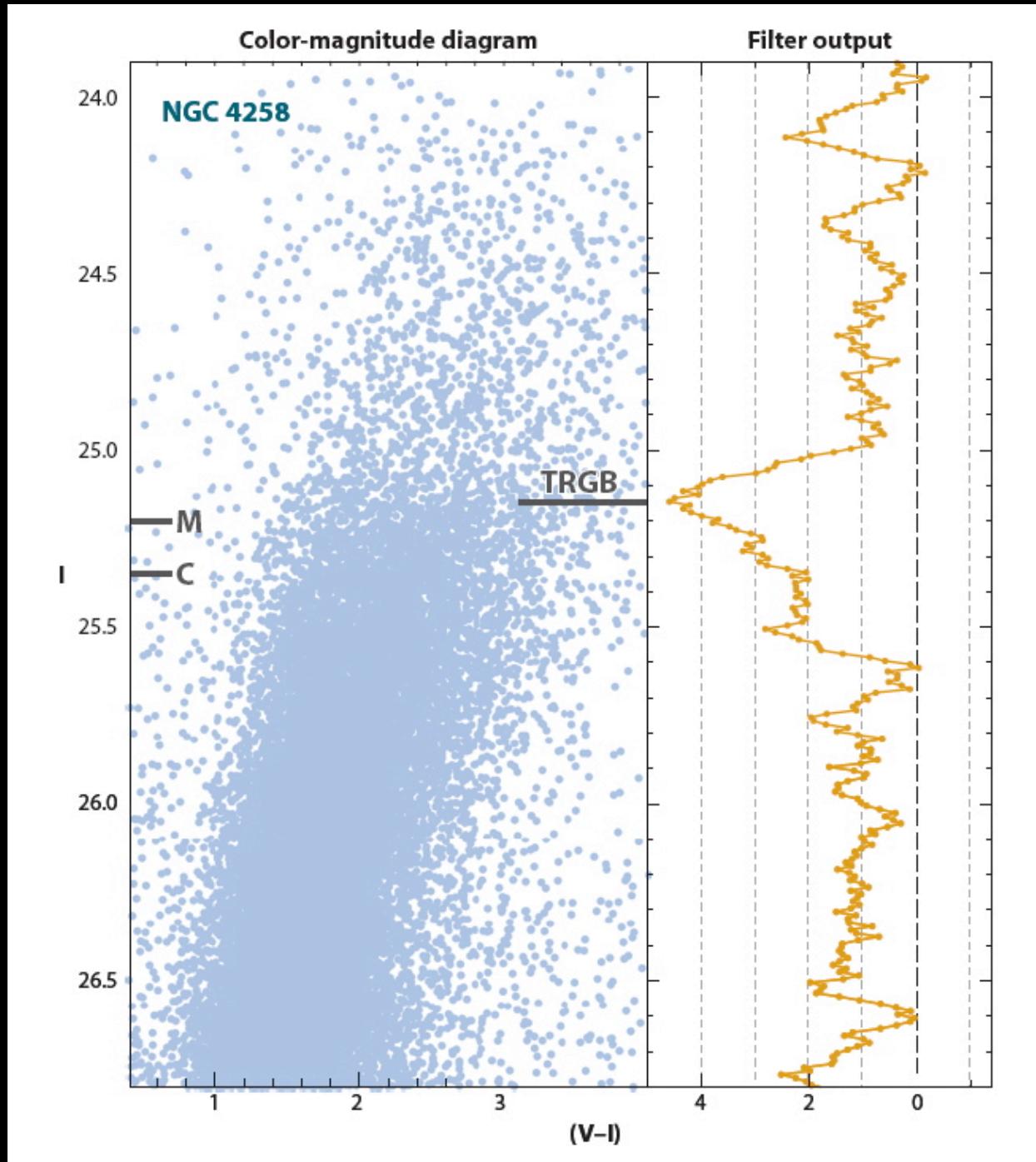
KIKO FAIRBAIRN • Luziânia, GO, Brasil, 08/2015





Freedman & Madore 2010

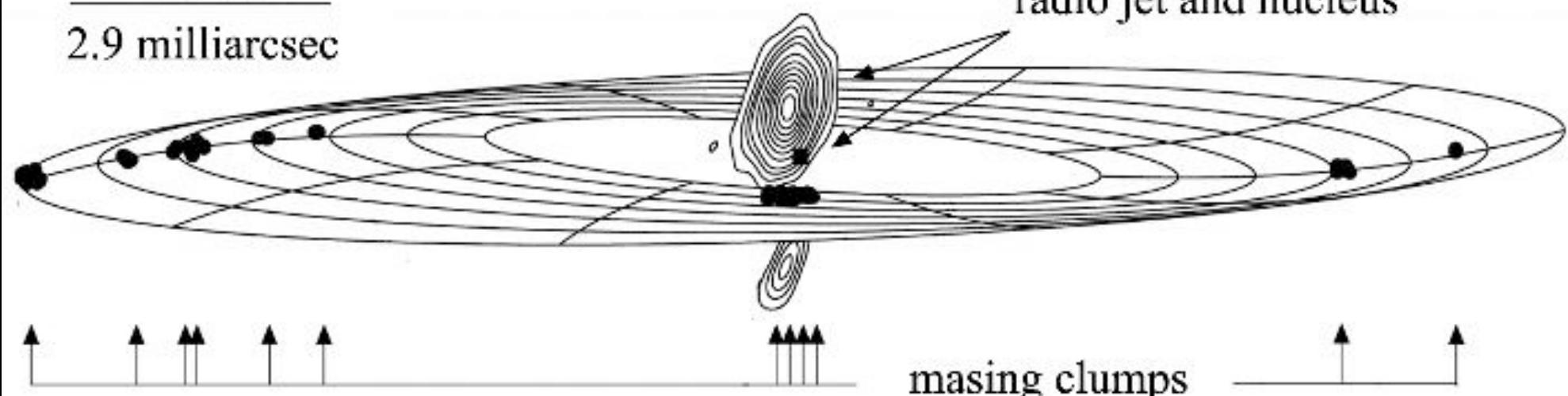




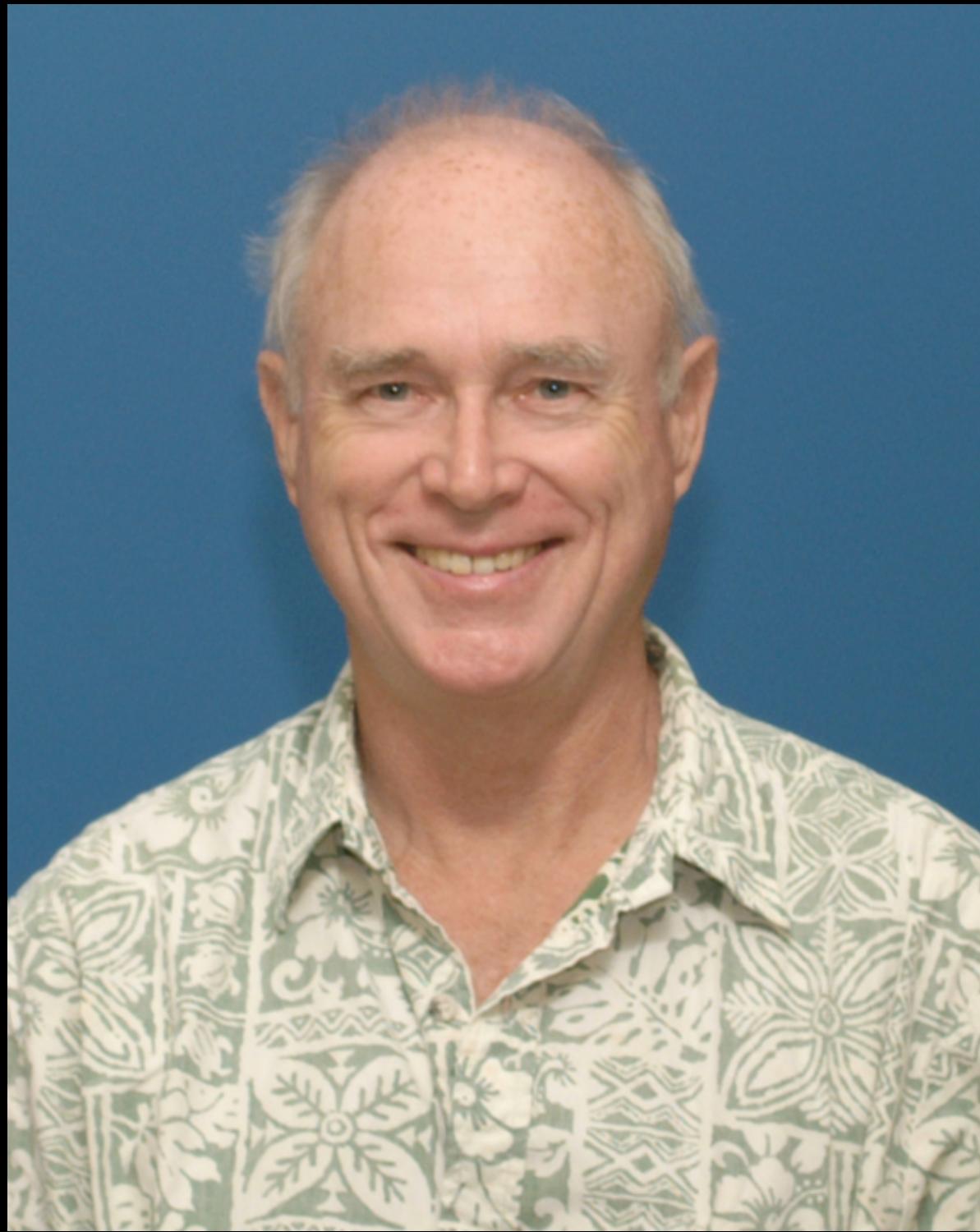
Freedman & Madore 2010

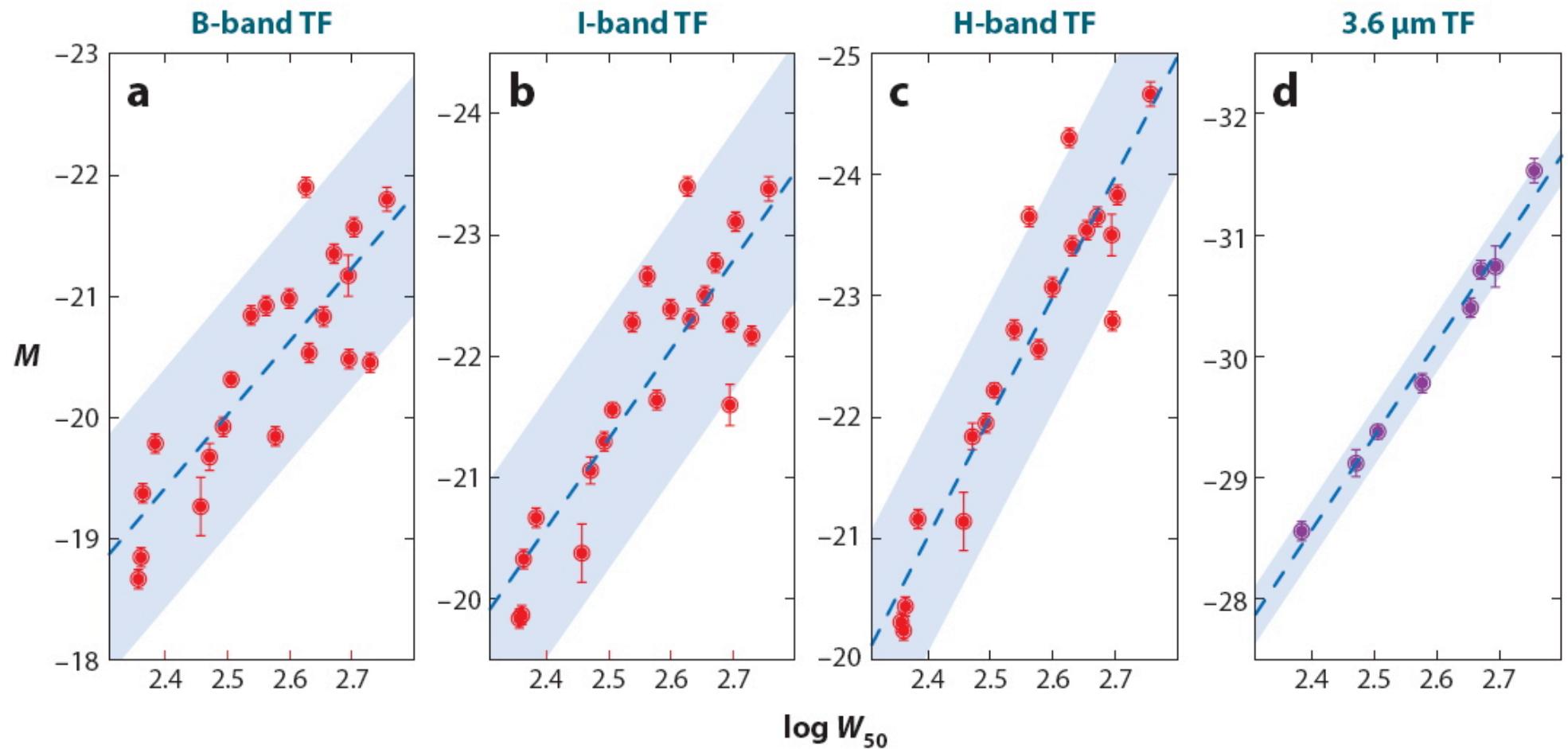


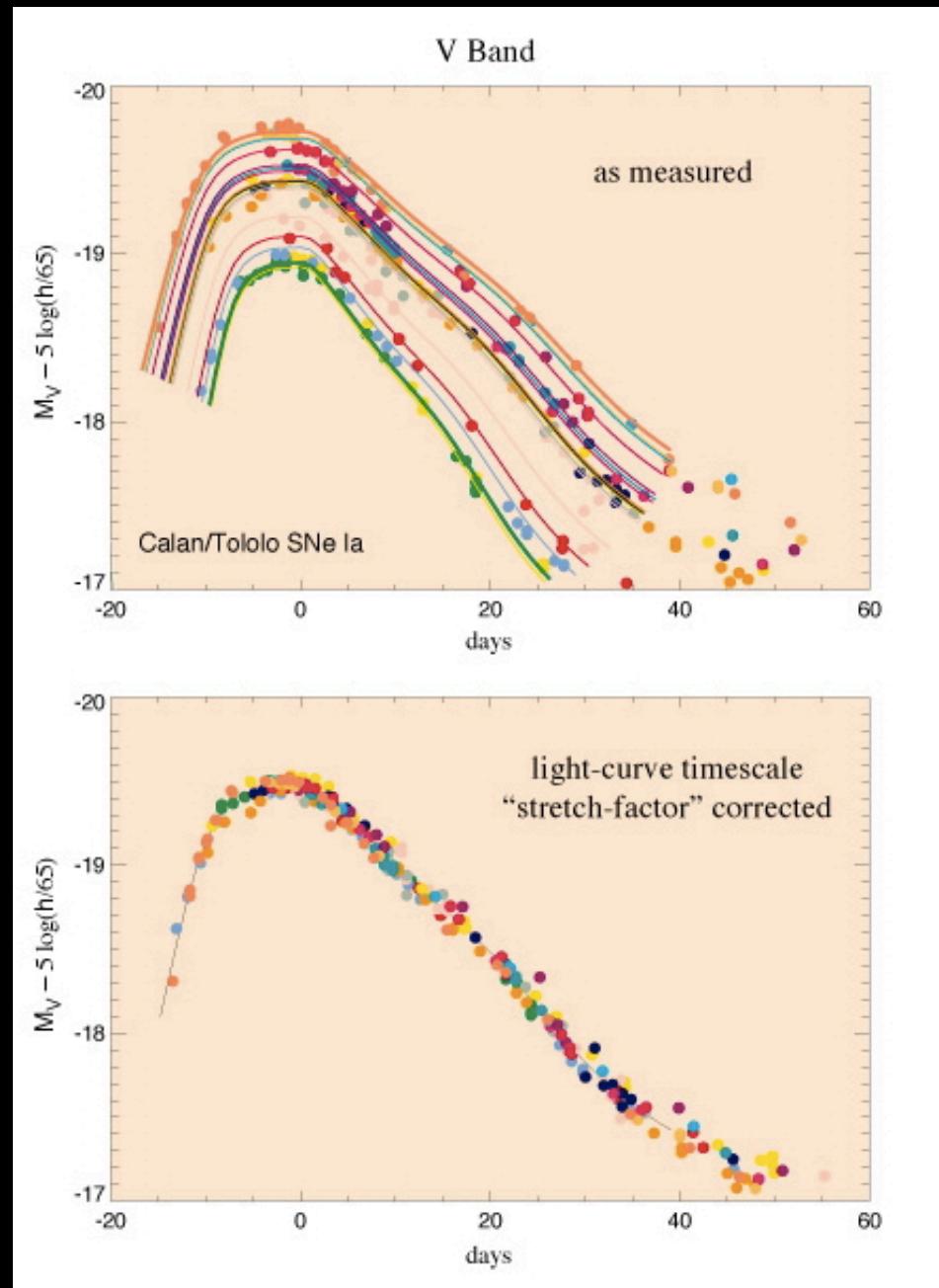
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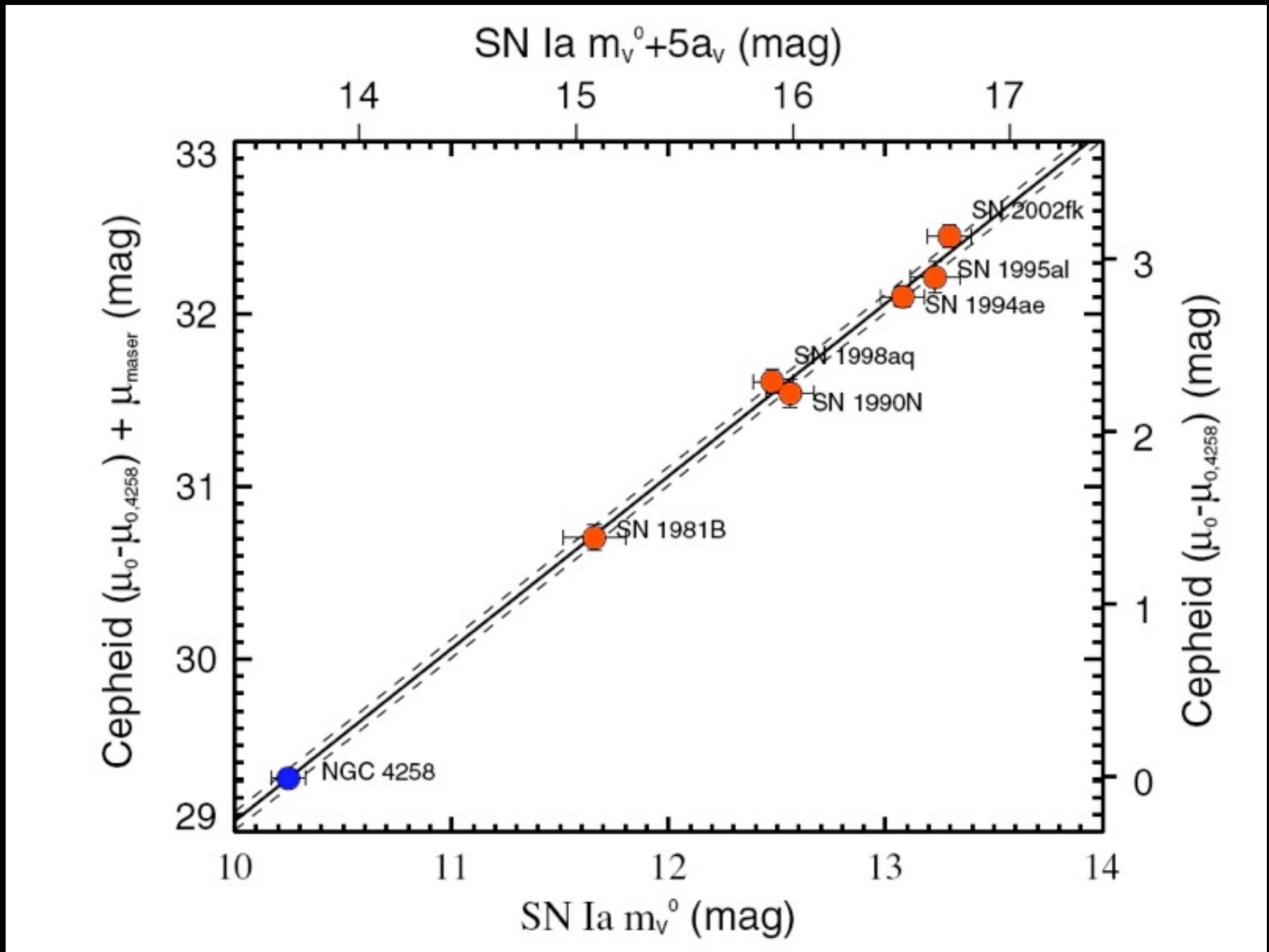


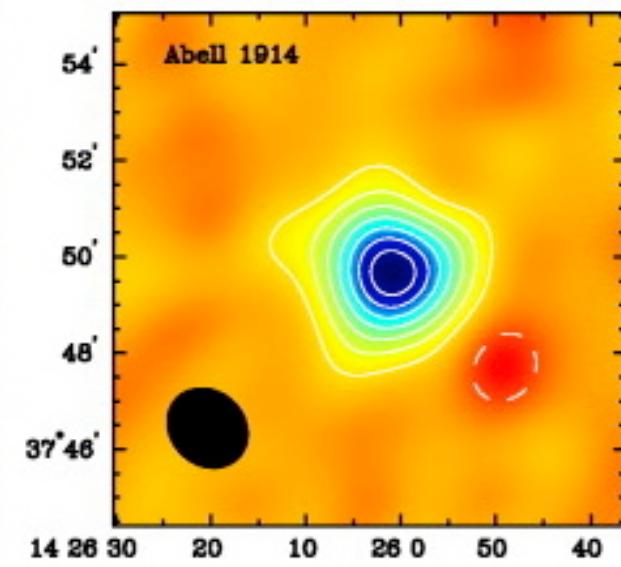
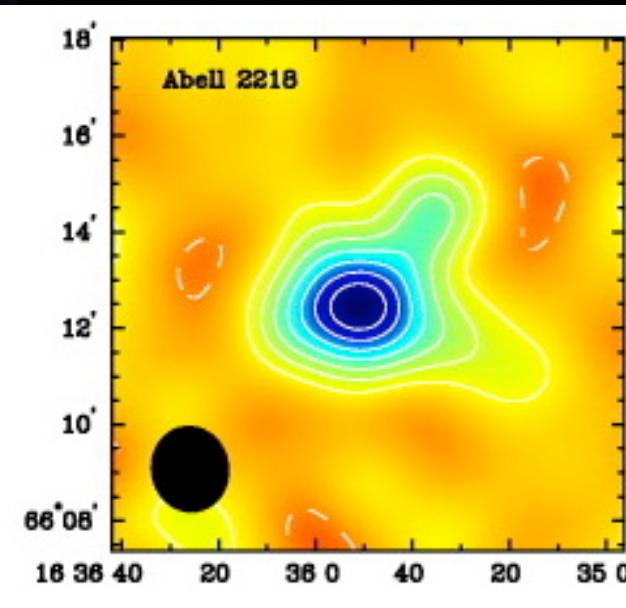
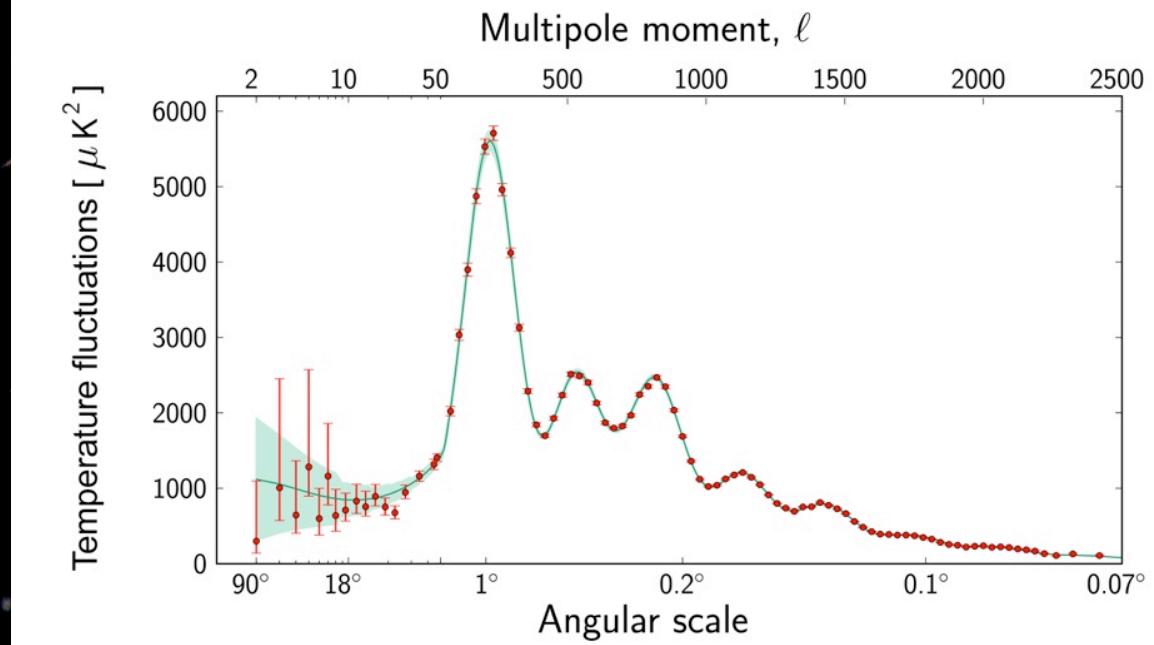
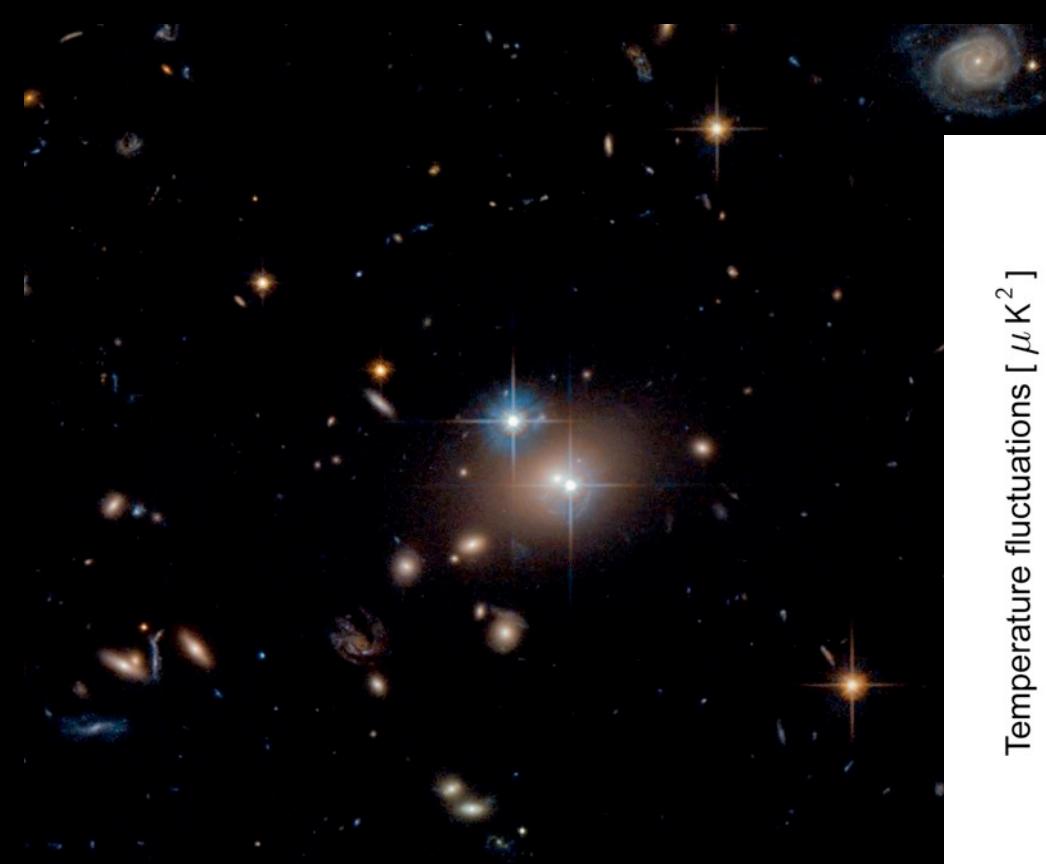


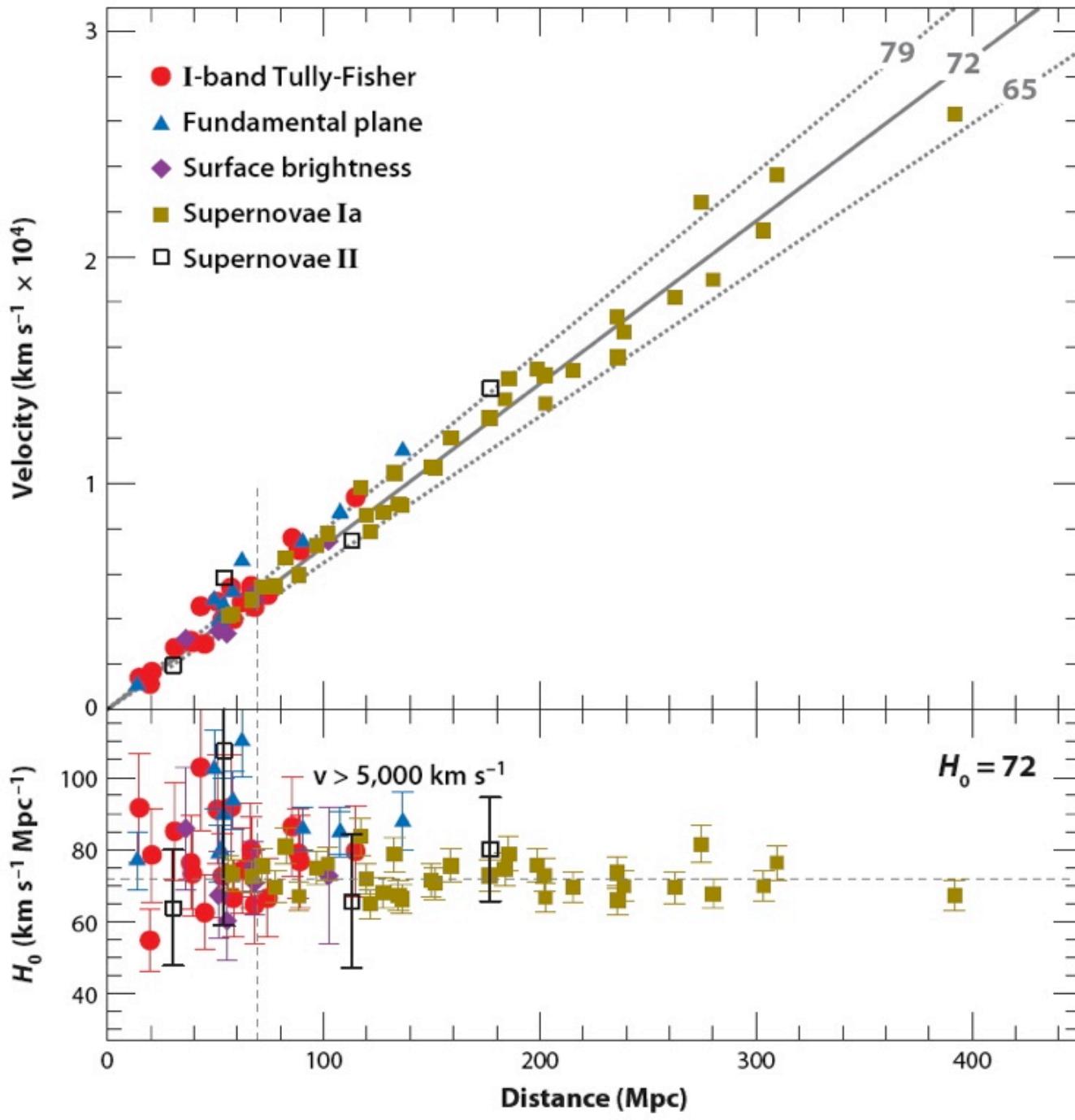












Freedman & Madore 2010