
Ap Summary: COROT Be star group

J. Fabregat, on behalf of the Be star group

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AP COROT Be star group

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- Observation of all faint Be stars (~ 40) + some B stars (~ 250) in the center and anticenter EXO fields
 - Search for signatures of rotational modulation and pulsations
 - Perform seismic modelling of the stellar interior structure
 - Statistical study to fine-tune the excitation mechanism in B stars and calibrate evolutionary models
 - Study occurrence of Be phenomenon and relation with pulsations, magnetic field and rotation
 - Link between Be outbursts and pulsation beating

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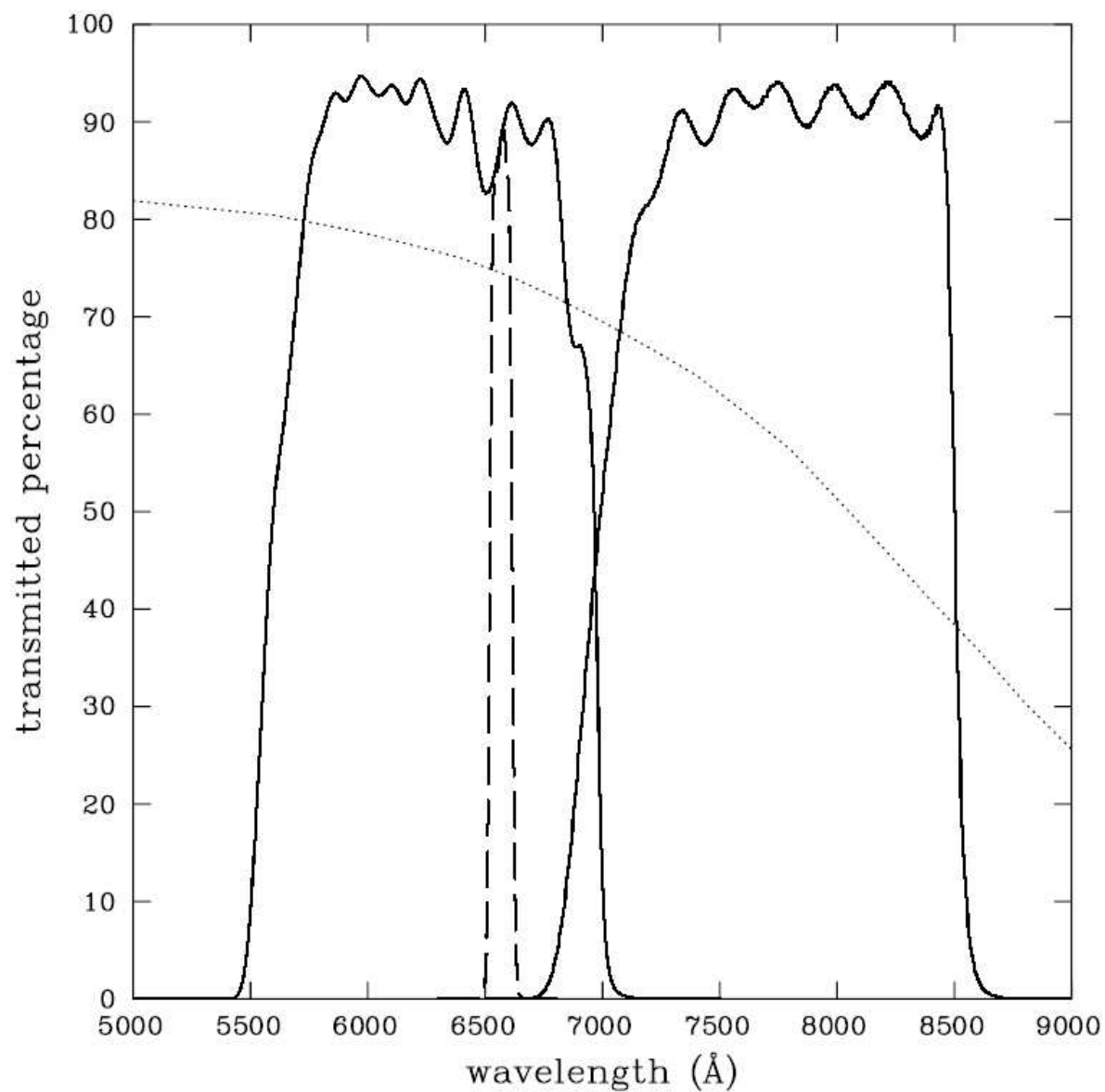
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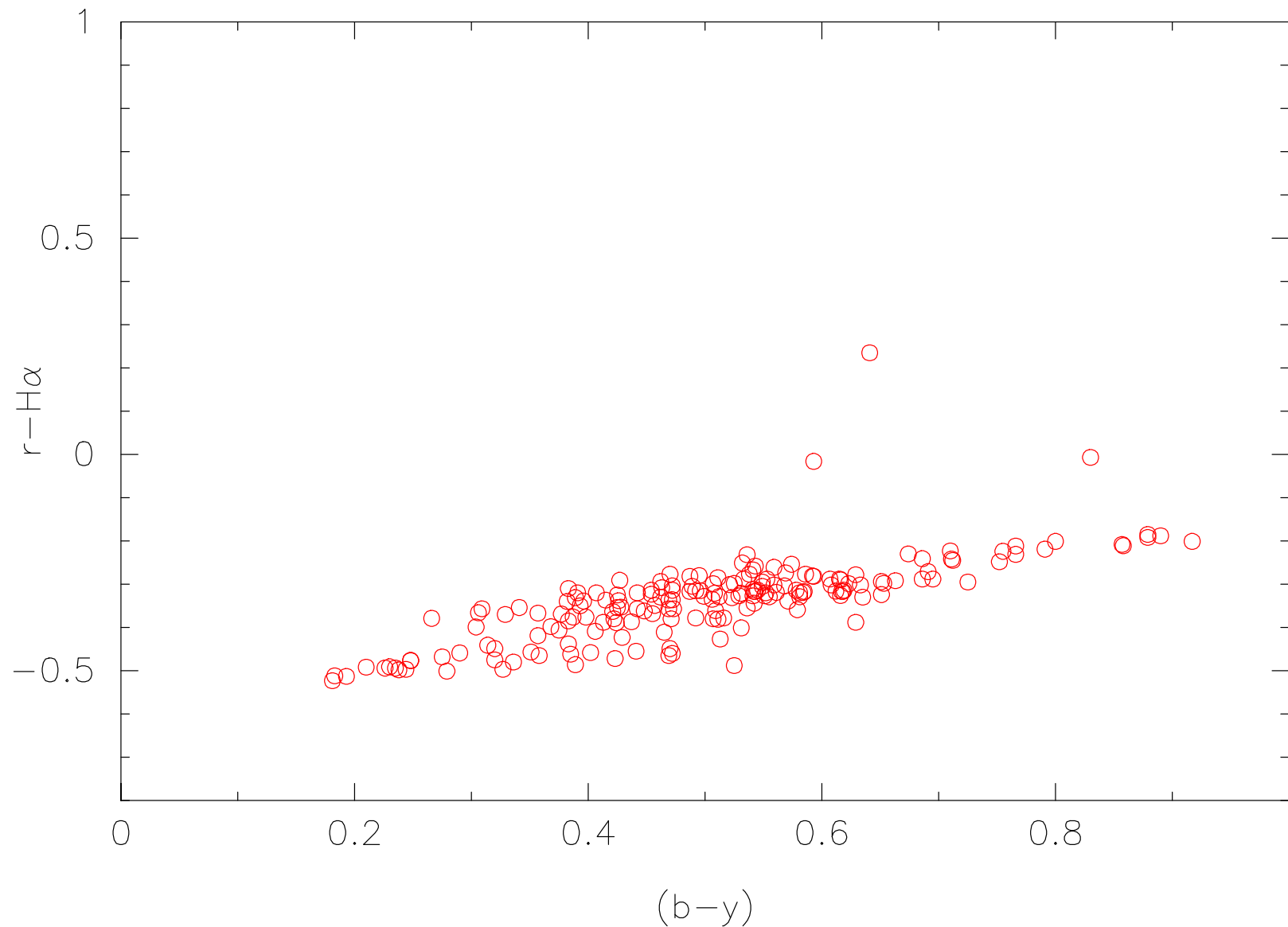
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 - $H\alpha$ + Strömgren photometric survey with the WFC at the INT, started in August 2006

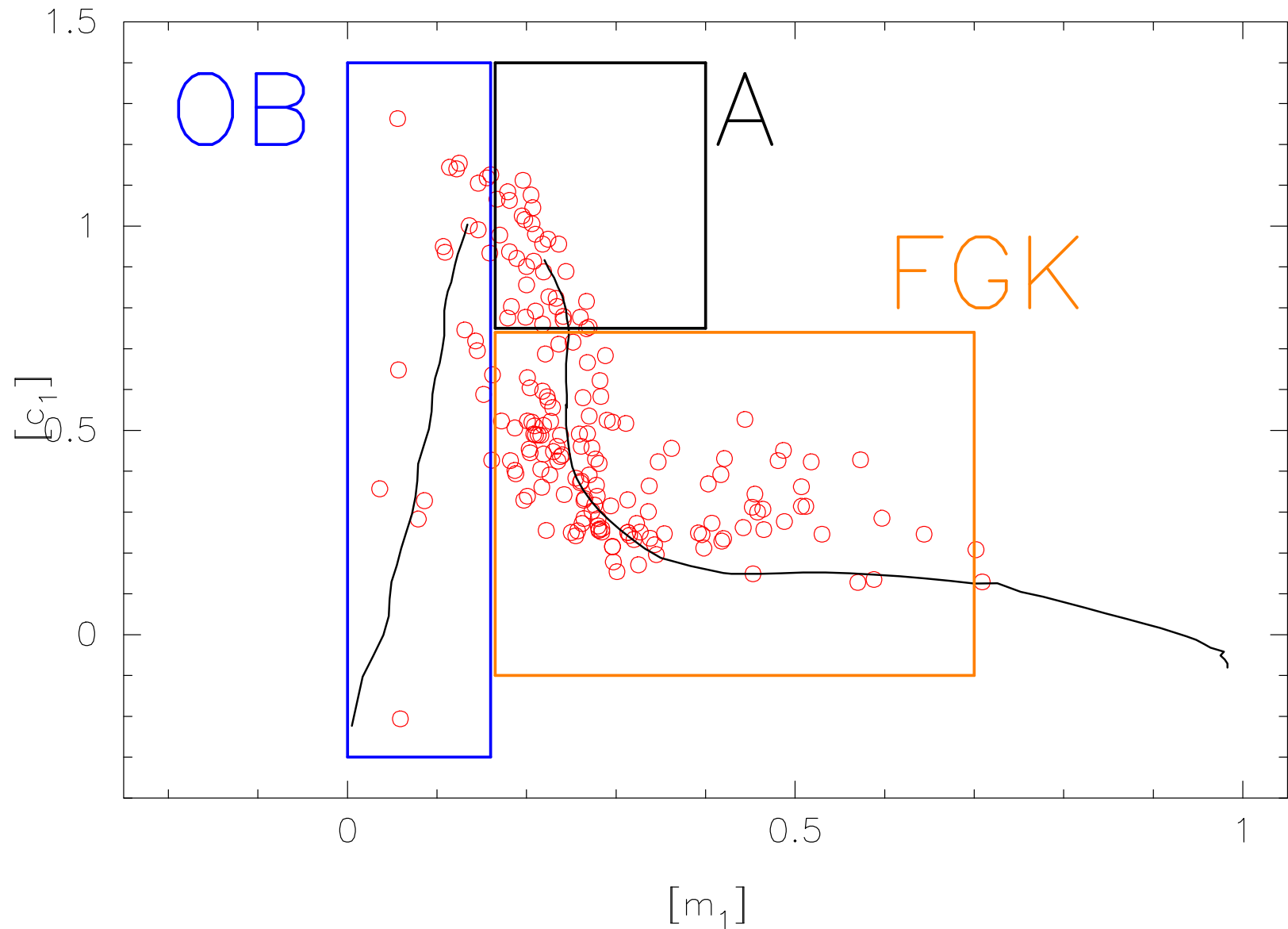
H α & Sloan r' filters



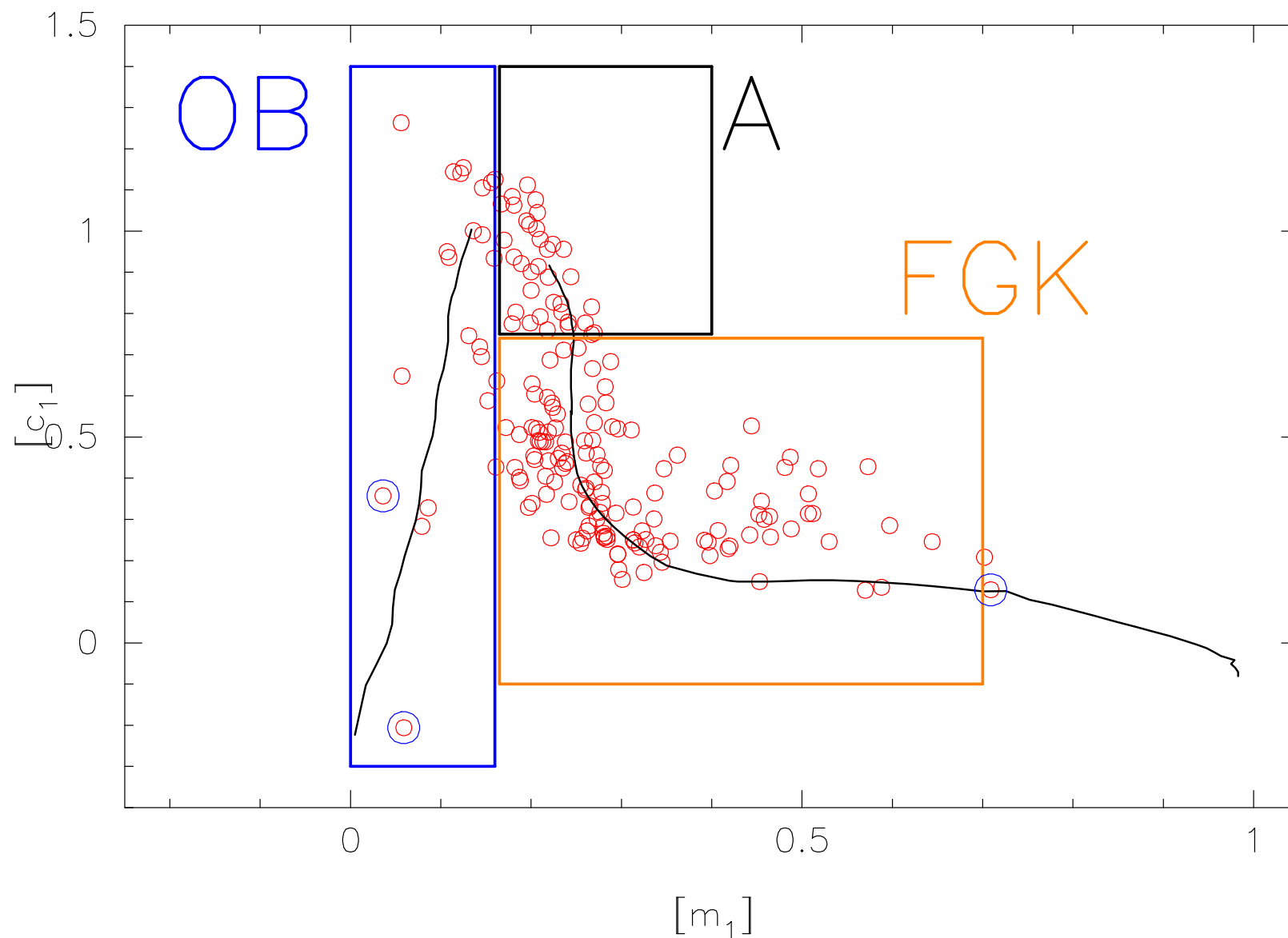
$(r' - H\alpha) - (b - y)$ plane



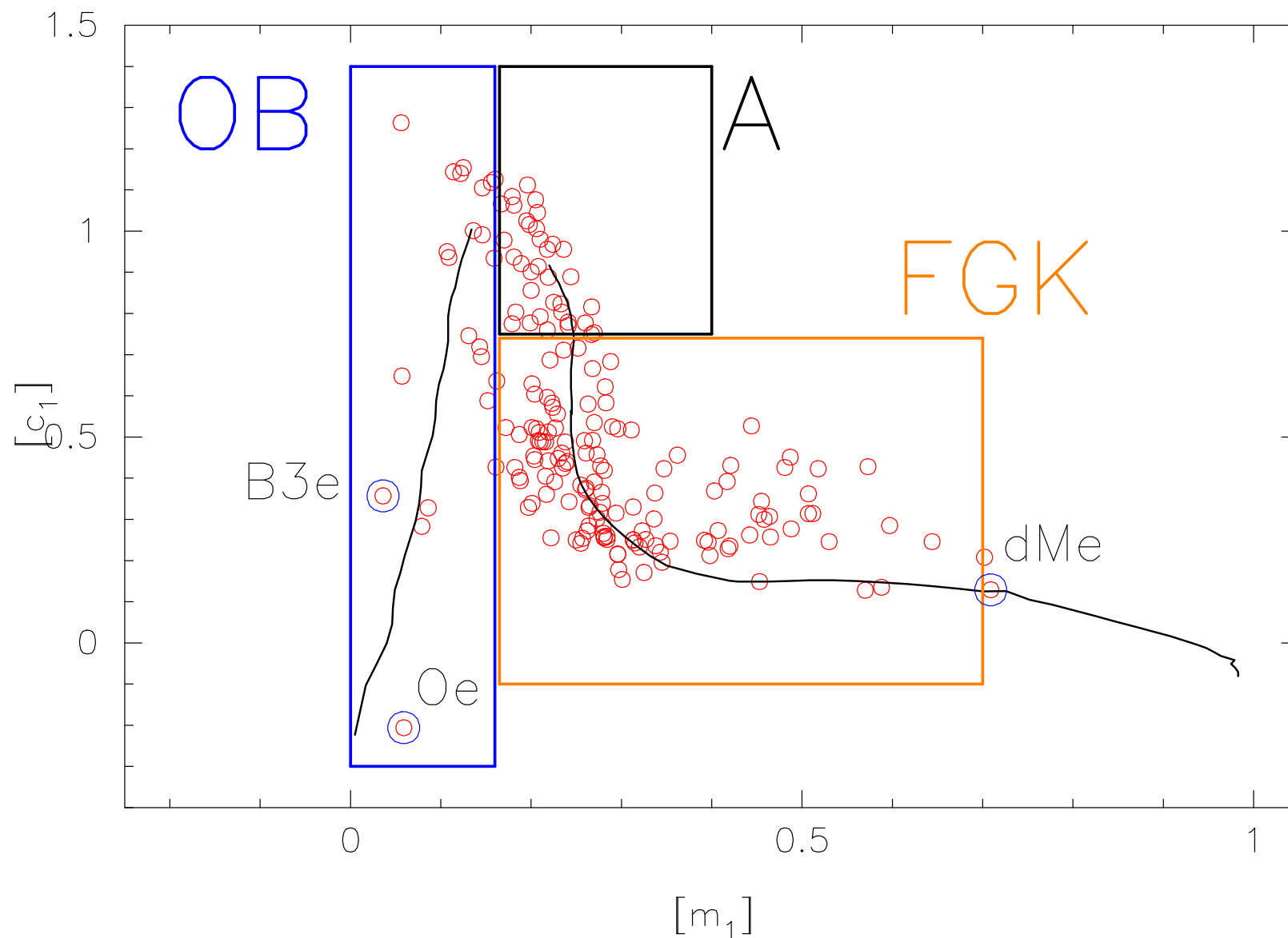
Reddening-free $[m_1] - [c_1]$ plane



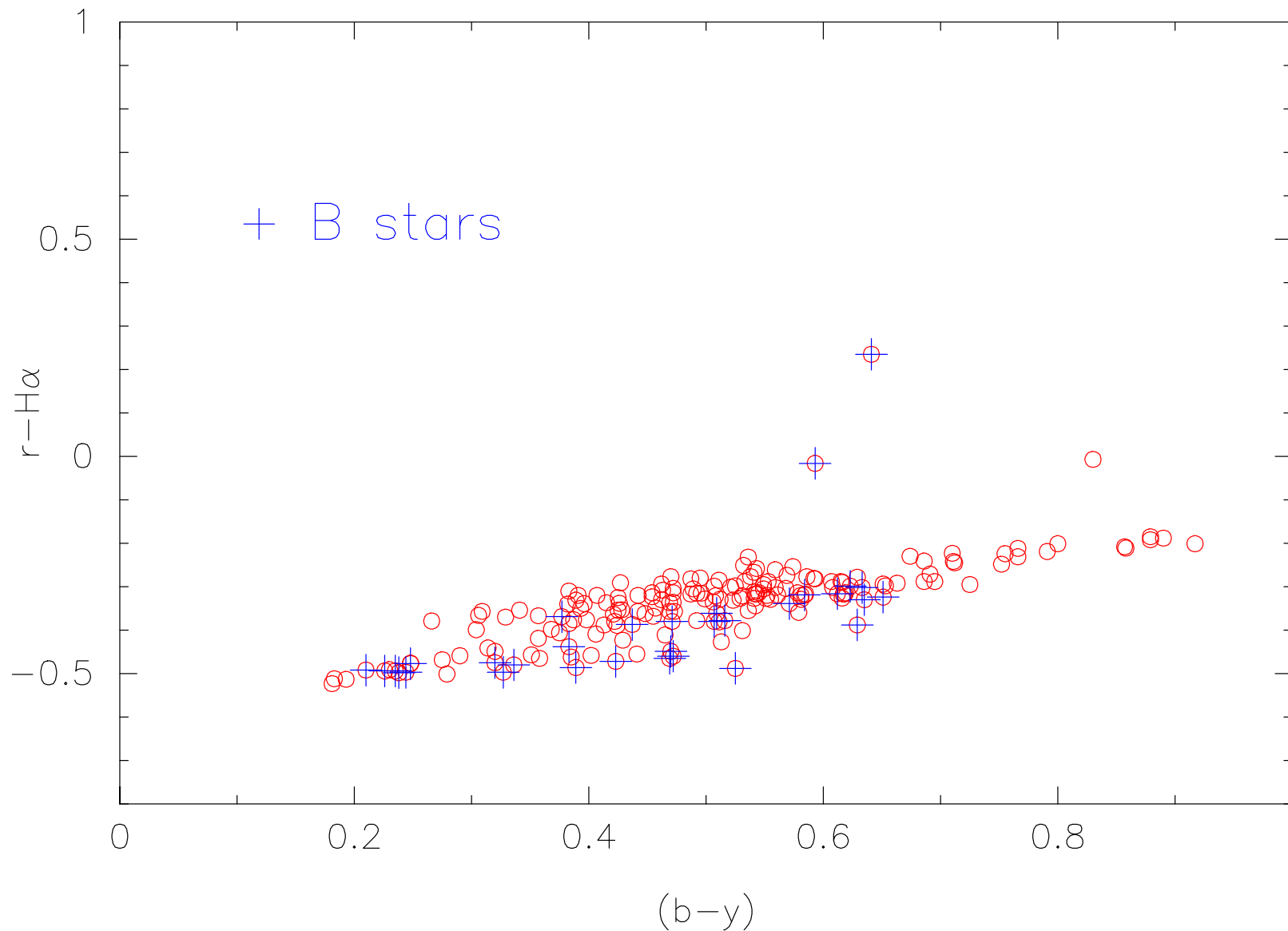
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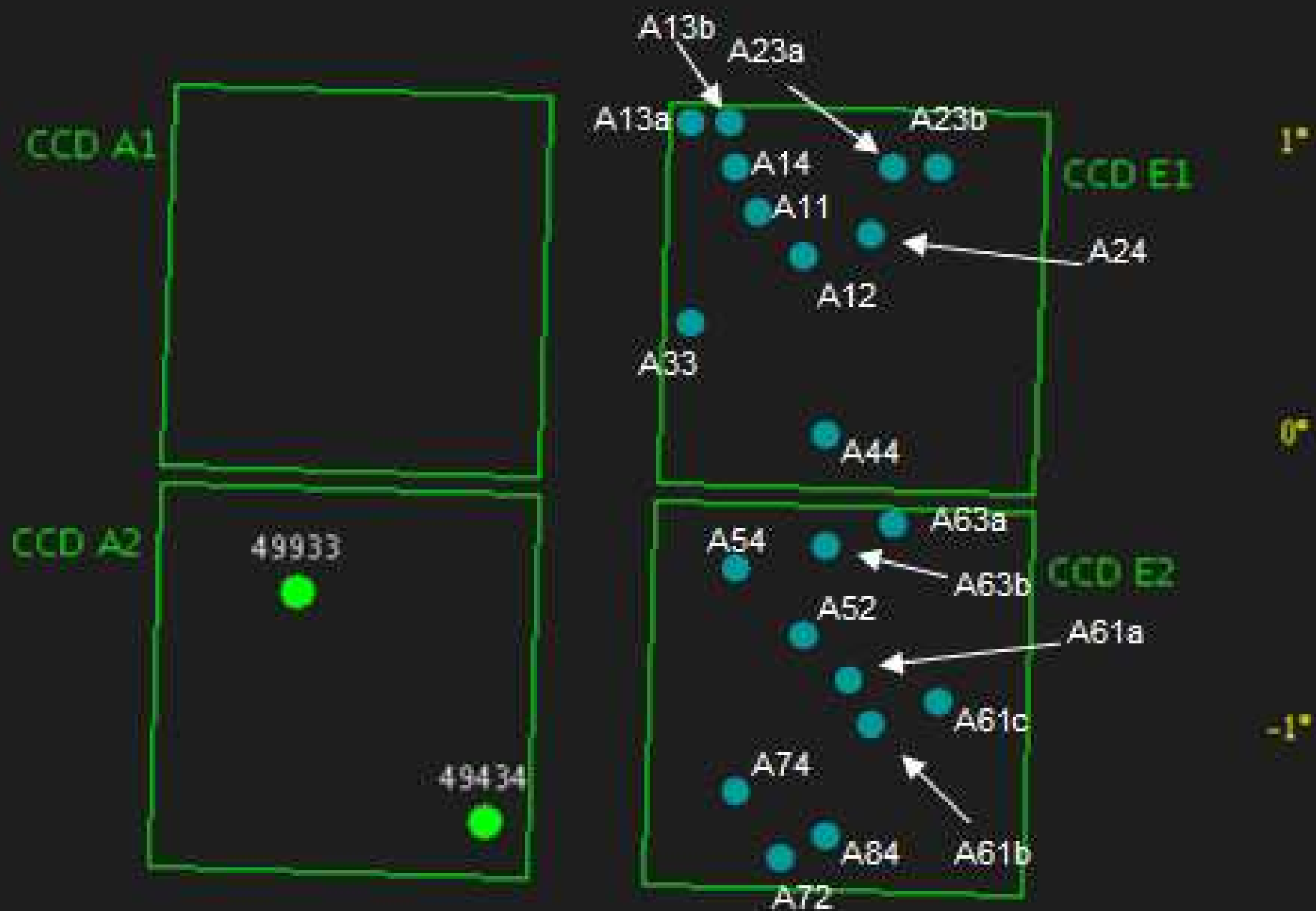
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- Application for more observing time in semester 2006B

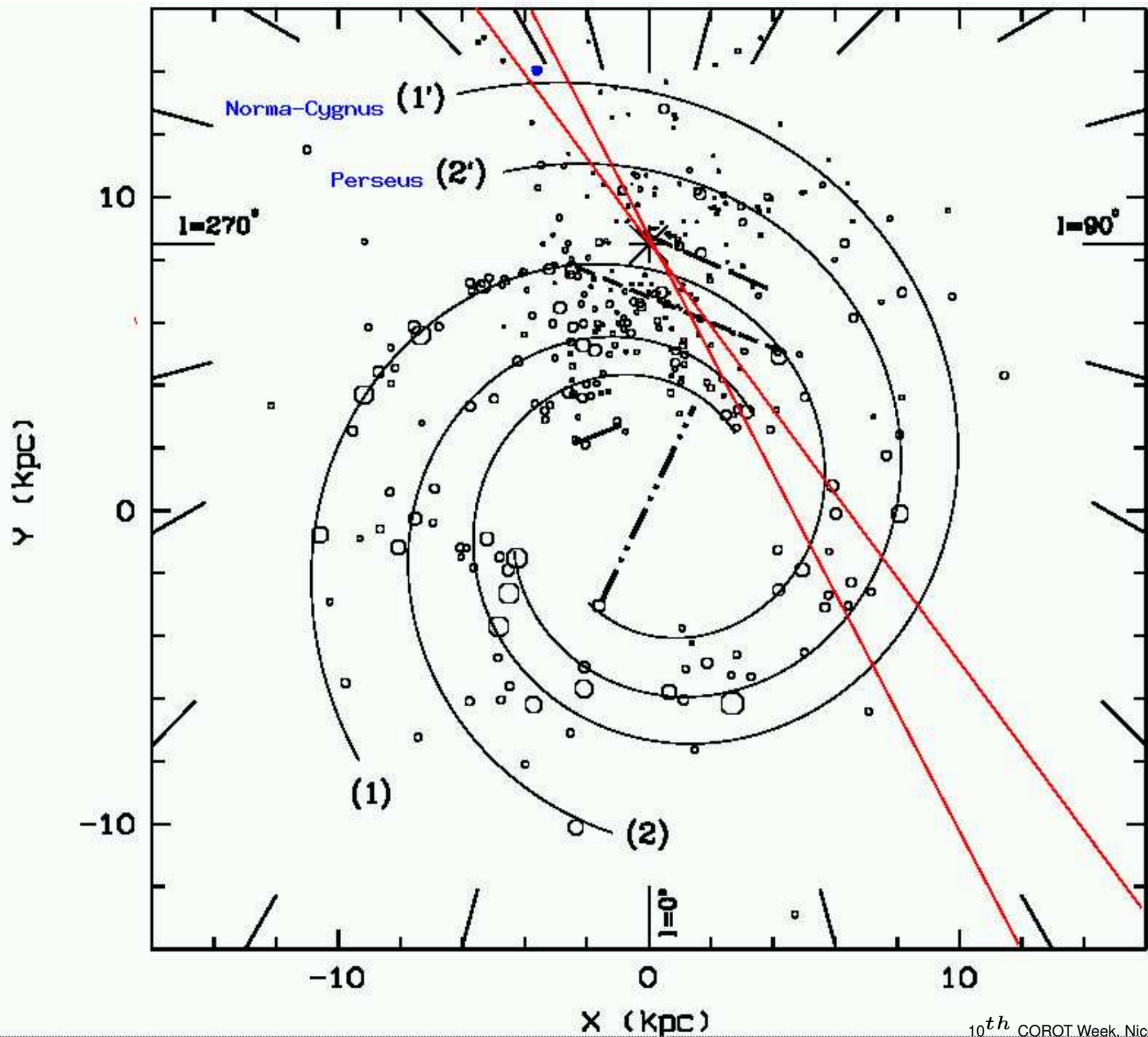


Dolidze 25

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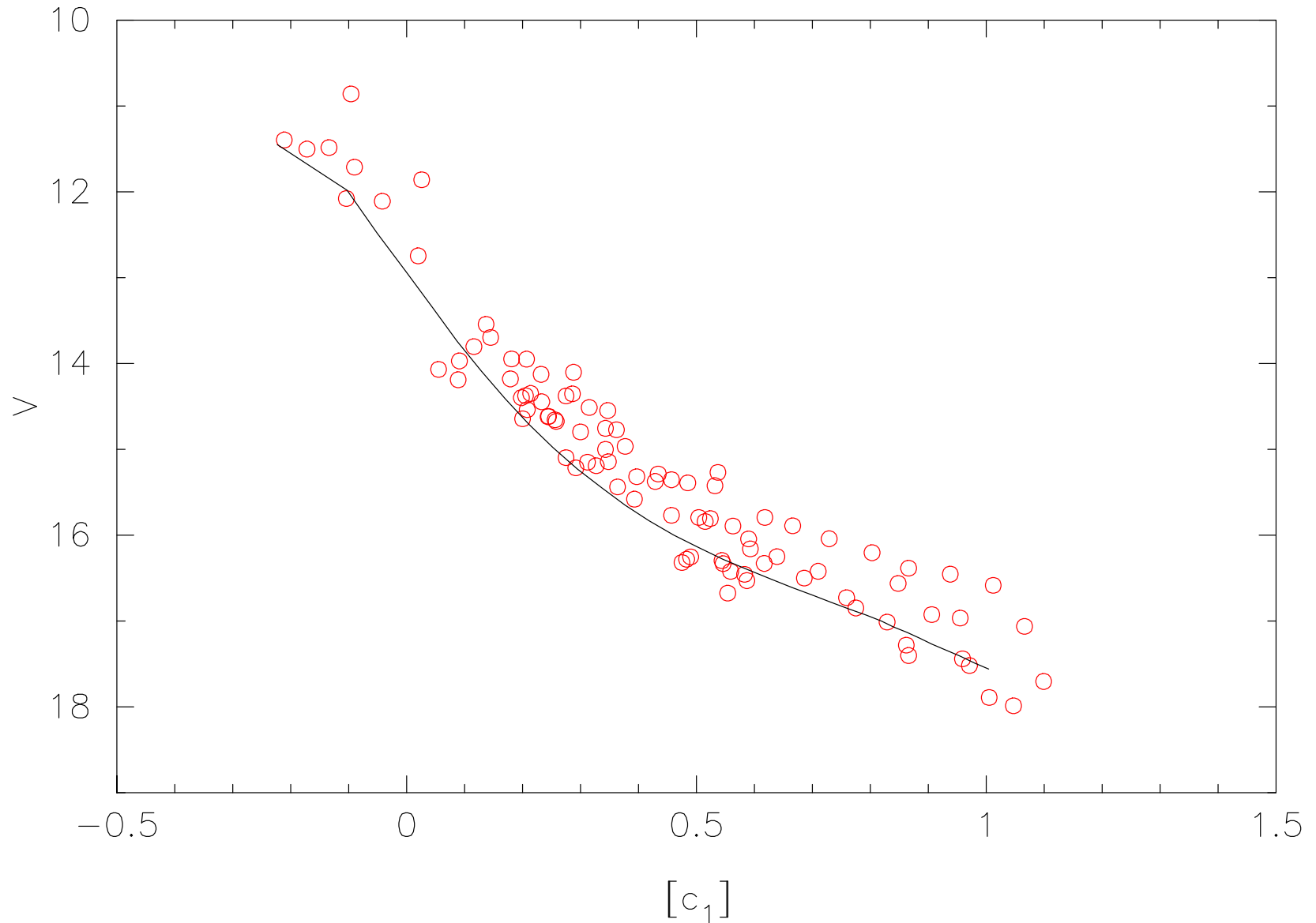
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- It is metal-deficient, with abundances lower than solar by a factor of six (Lennon et al. 1990, A&A 240, 340)

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