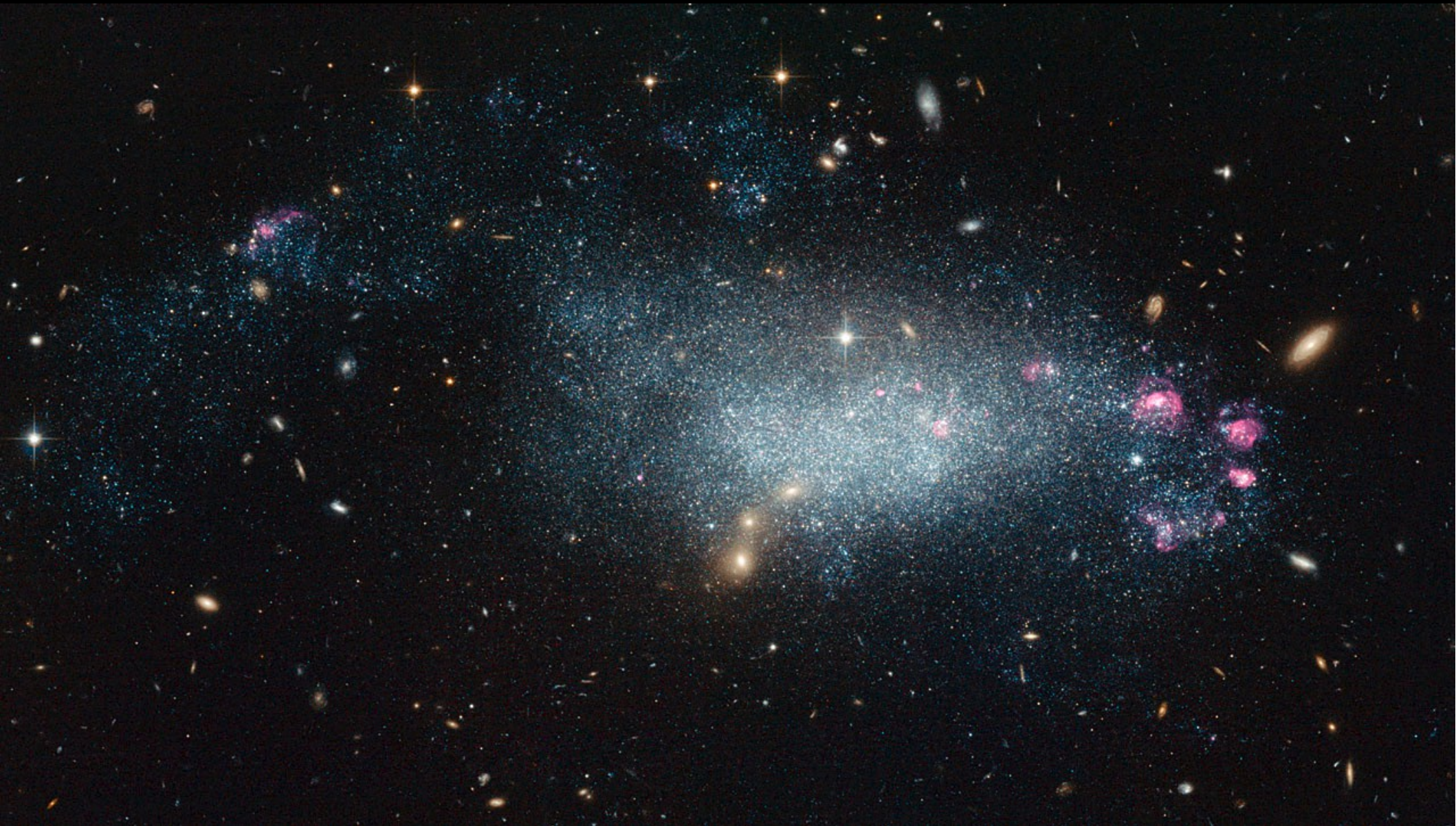
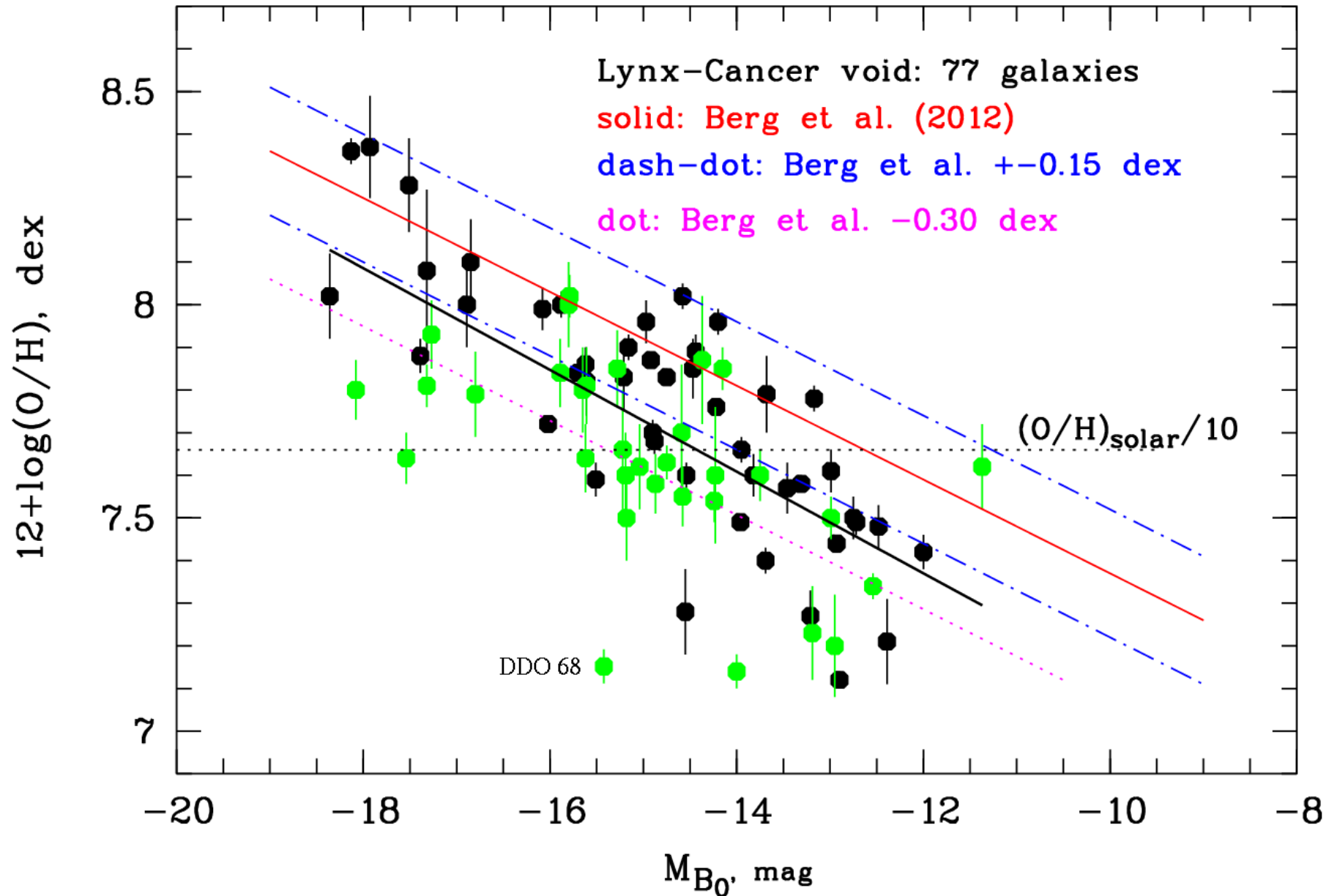


Merging in the record-low gas metallicity system DDO68

Dmitry Makarov,
Lidia Makarova, Simon Pustilnik, Svyatoslav Borisov

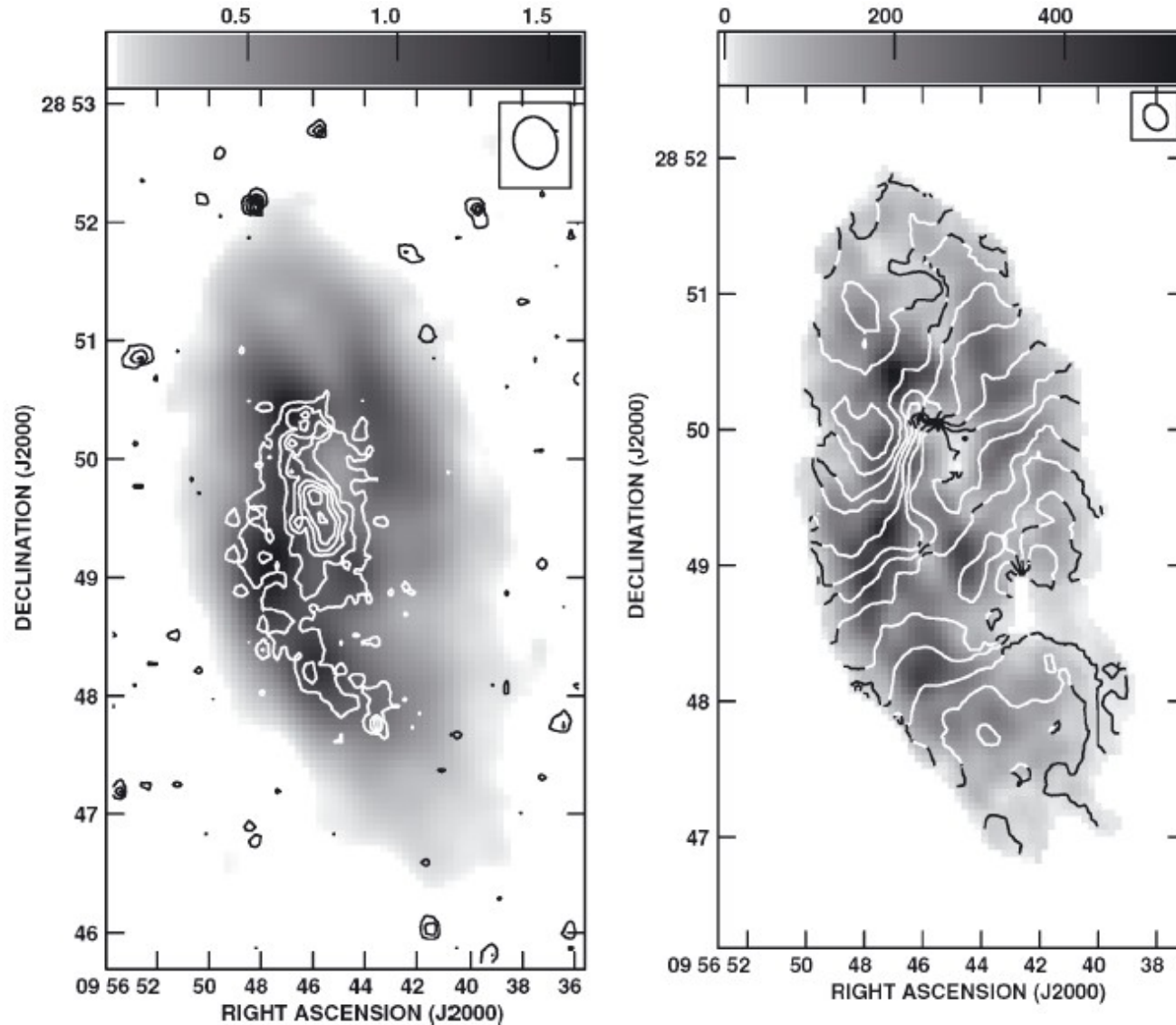


Metallicity - Luminosity relation



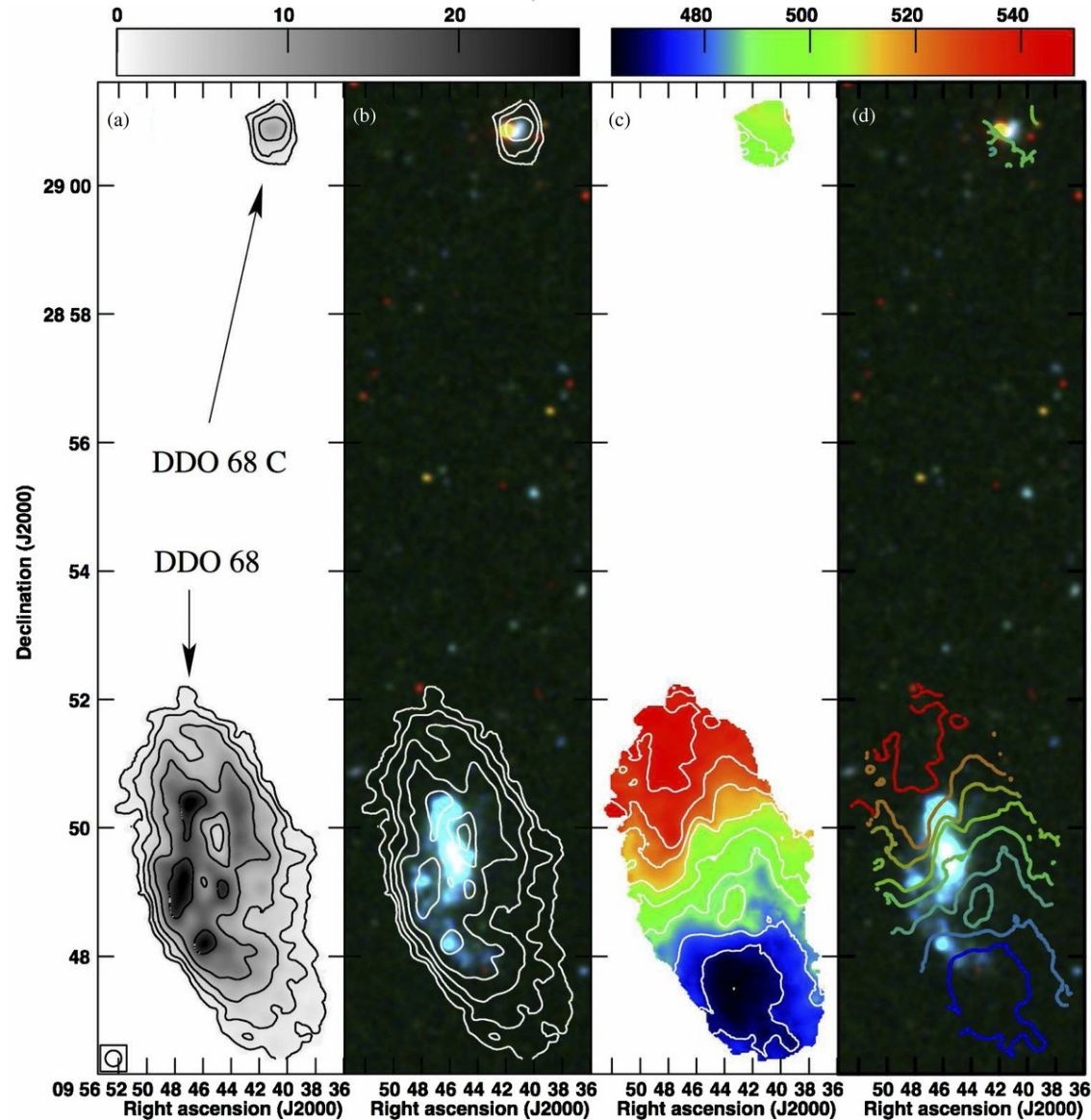
H I and star formation in the most metal-deficient galaxies

Ekta,^{1★} Jayaram N. Chengalur^{1★} and Simon A. Pustilnik^{2★}

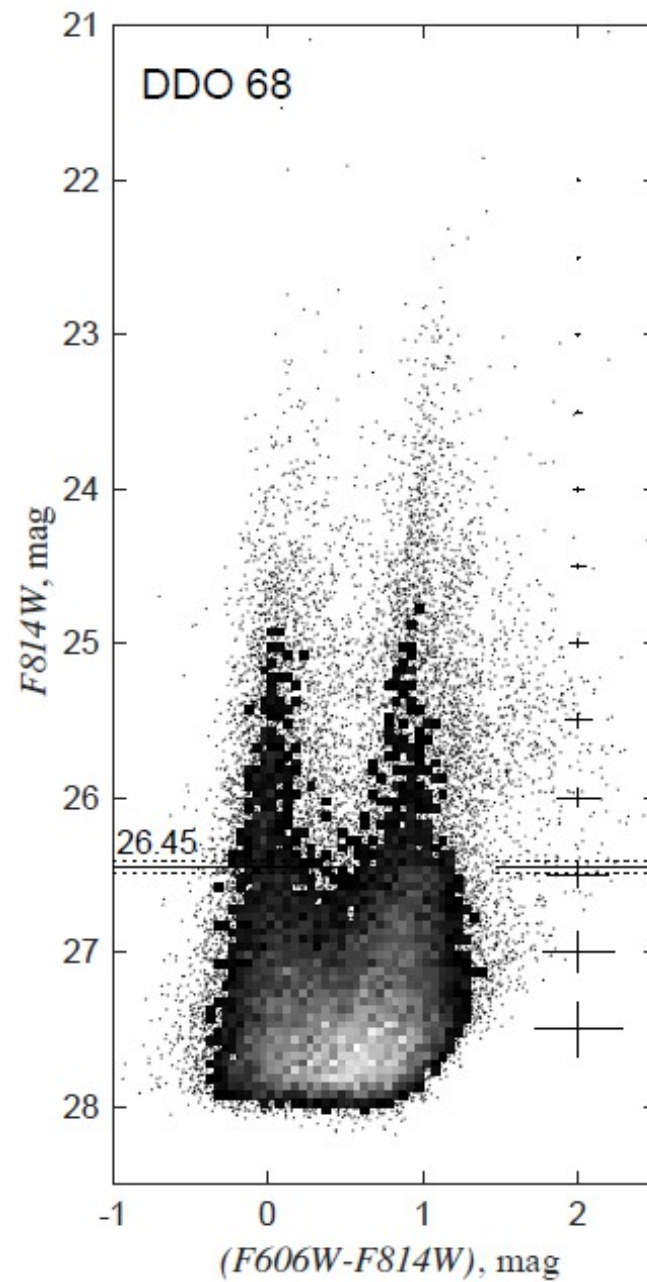


DISCOVERY OF A GAS-RICH COMPANION TO THE EXTREMELY METAL-POOR GALAXY DDO 68

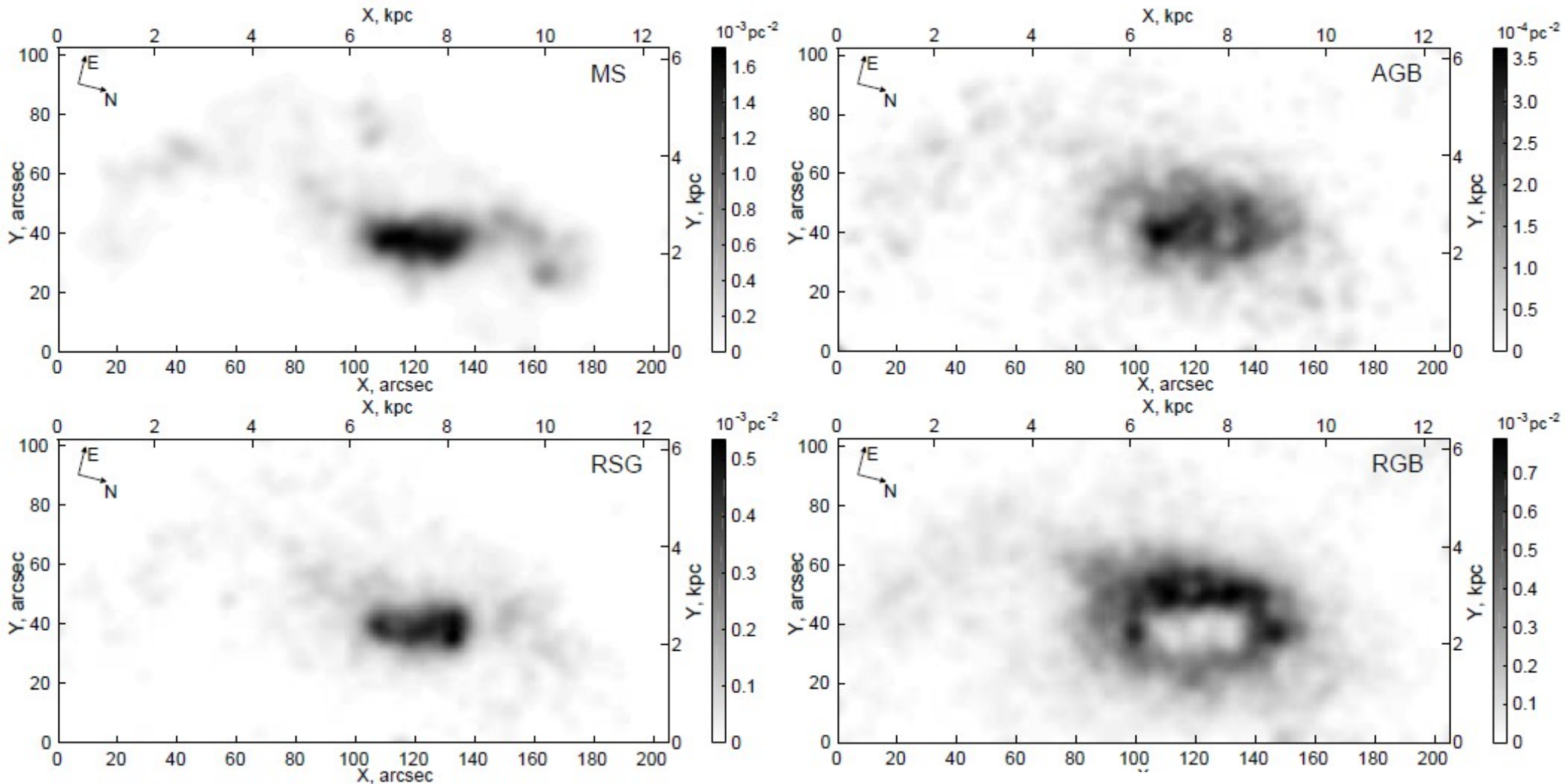
JOHN M. CANNON¹, MEGAN JOHNSON², KRISTEN B. W. MCQUINN³, ERIK D. ALFVIN¹, JEREMY BAILIN⁴, H. ALYSON FORD⁵, LÉO GIRARDI⁶, ALEC S. HIRSCHAUER⁷, STEVEN JANOWIECKI⁷, JOHN J. SALZER⁷, ANGELA VAN SISTINE⁷, ANDREW DOLPHIN⁸, E. C. ELSON⁹, BAERBEL KORIBALSKI², PAOLA MARIGO¹⁰, JESSICA L. ROSENBERG¹¹, PHILIP ROSENFELD¹⁰, EVAN D. SKILLMAN³, APARNA VENKATESAN¹², AND STEVEN R. WARREN¹³

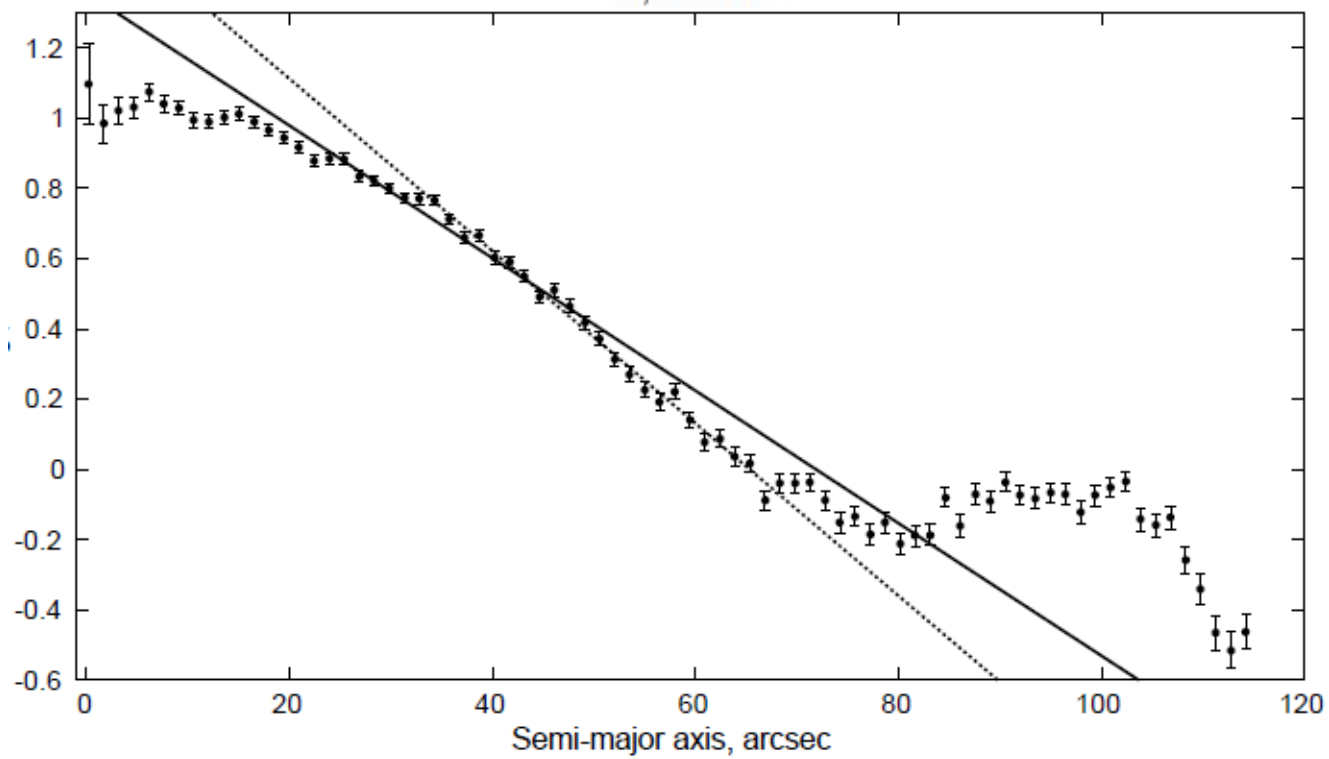
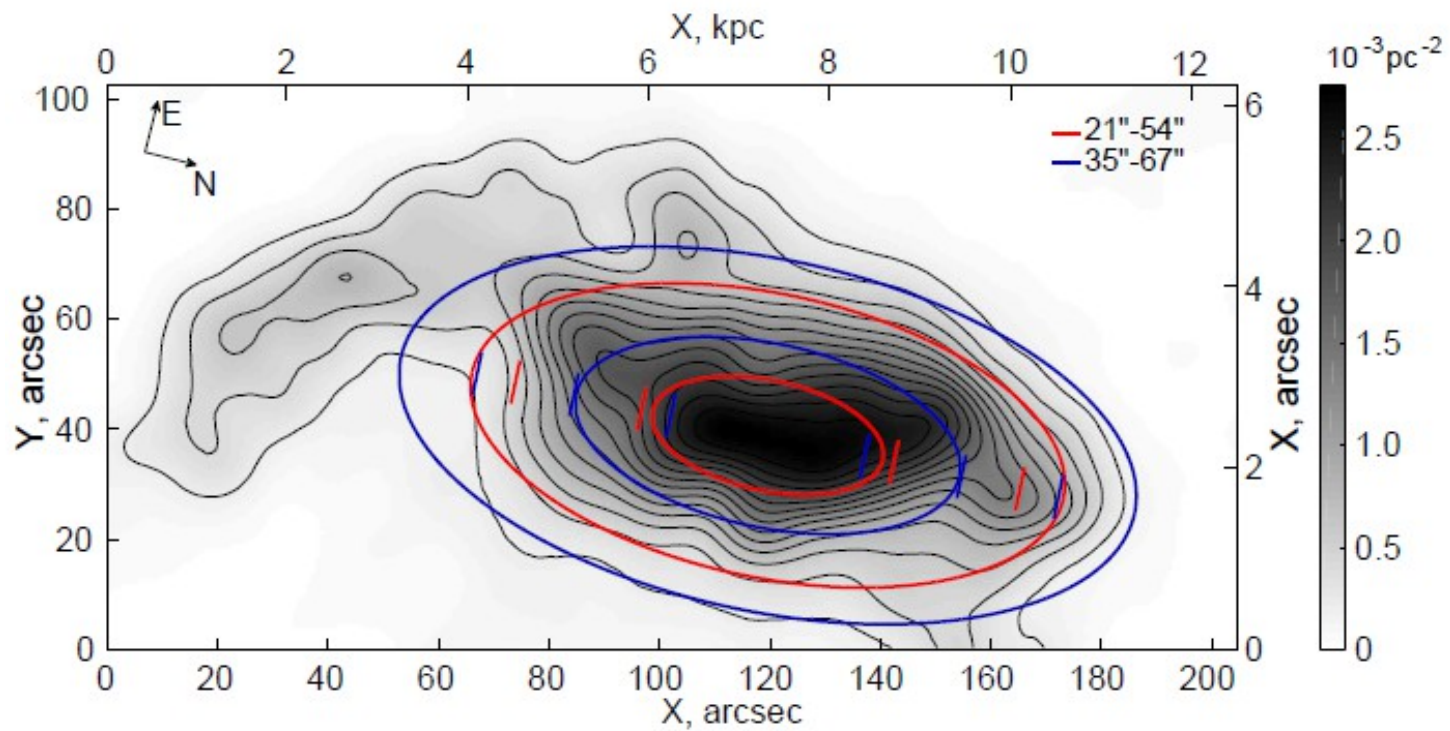


CMD and distance of DDO 68

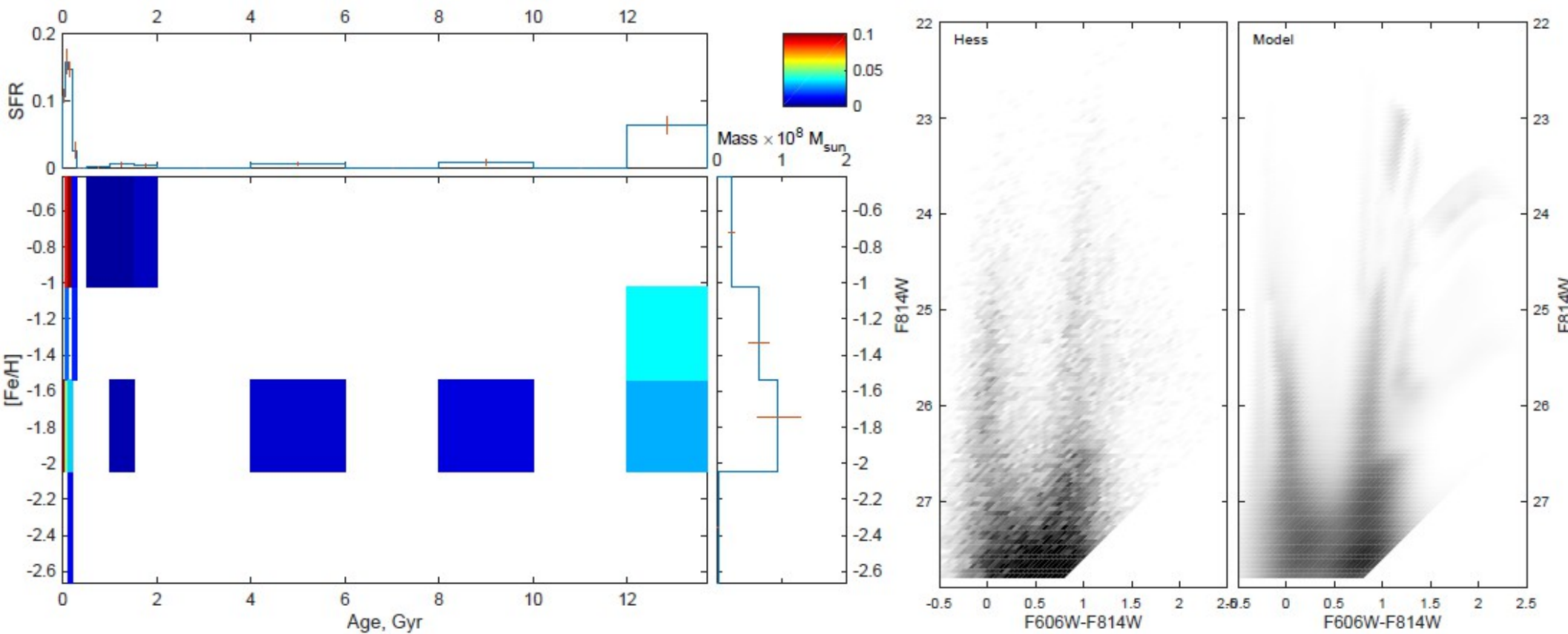


Distribution of different populations

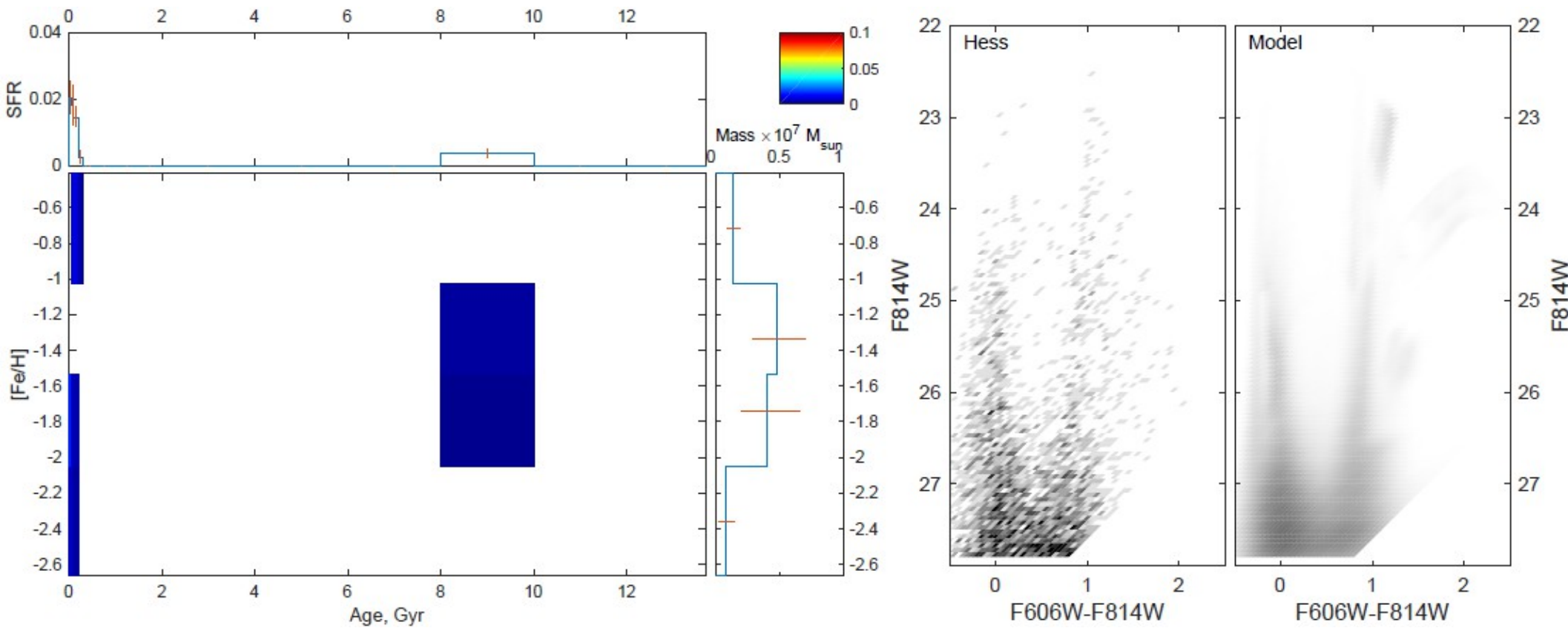




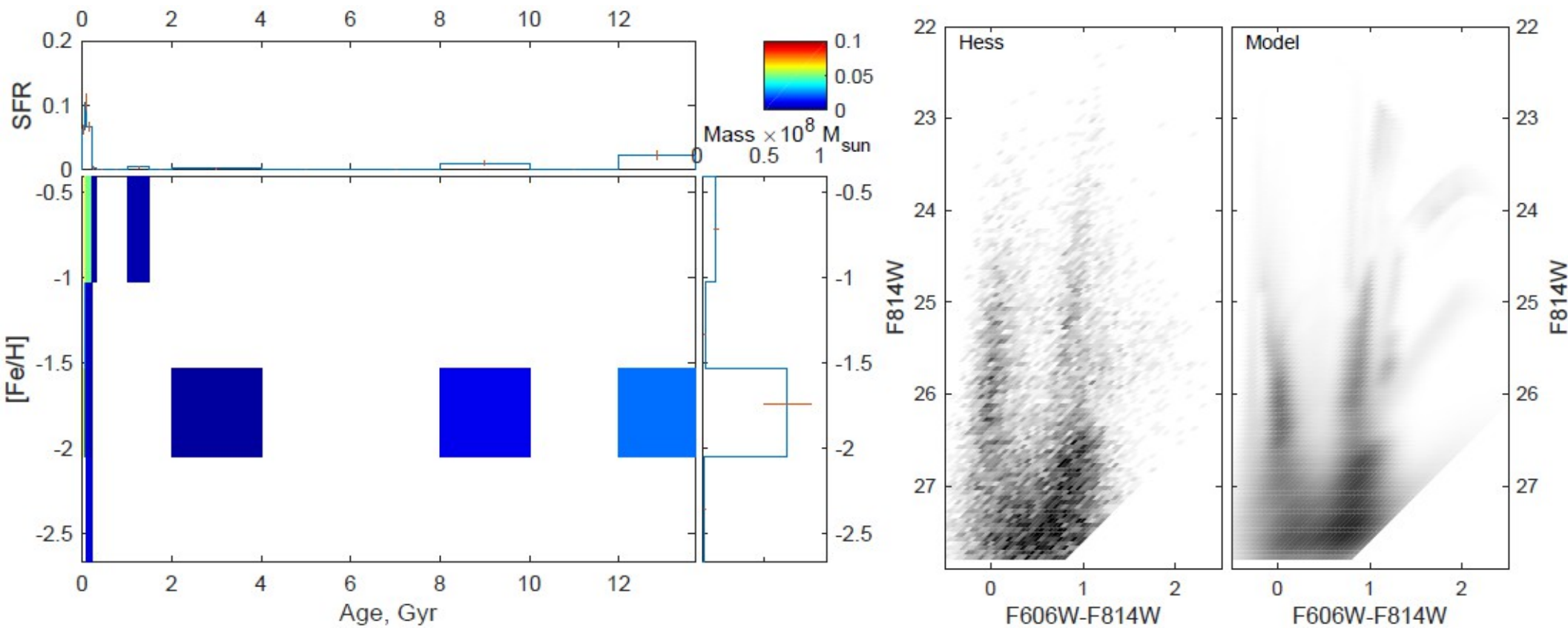
SFH of DDO 68



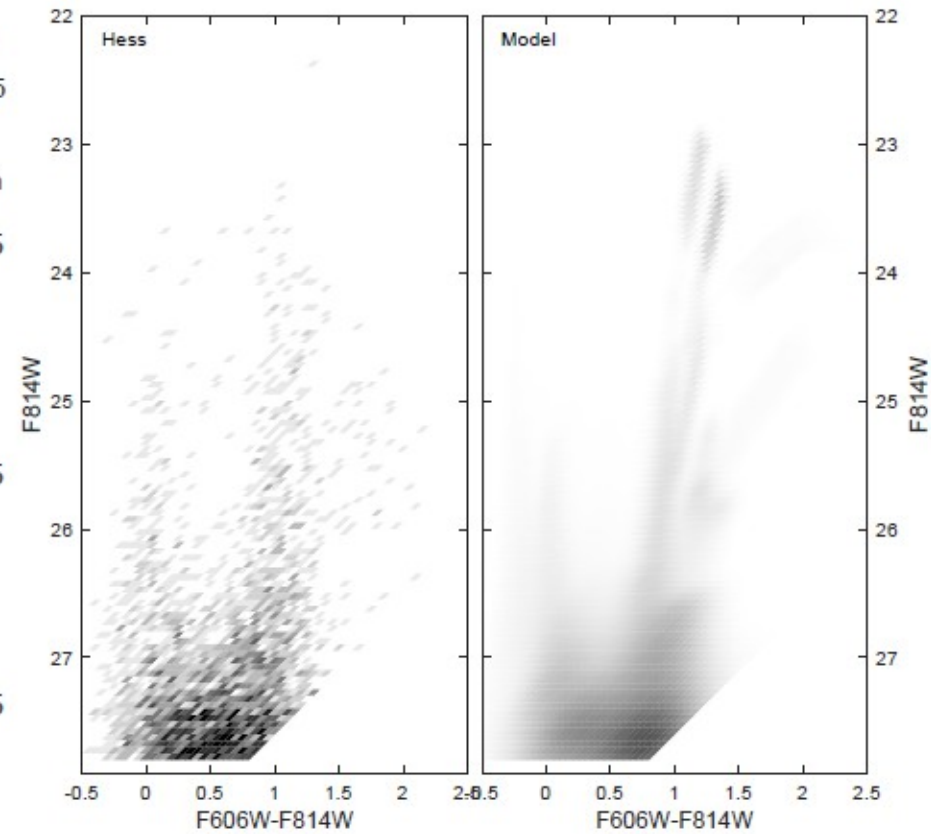
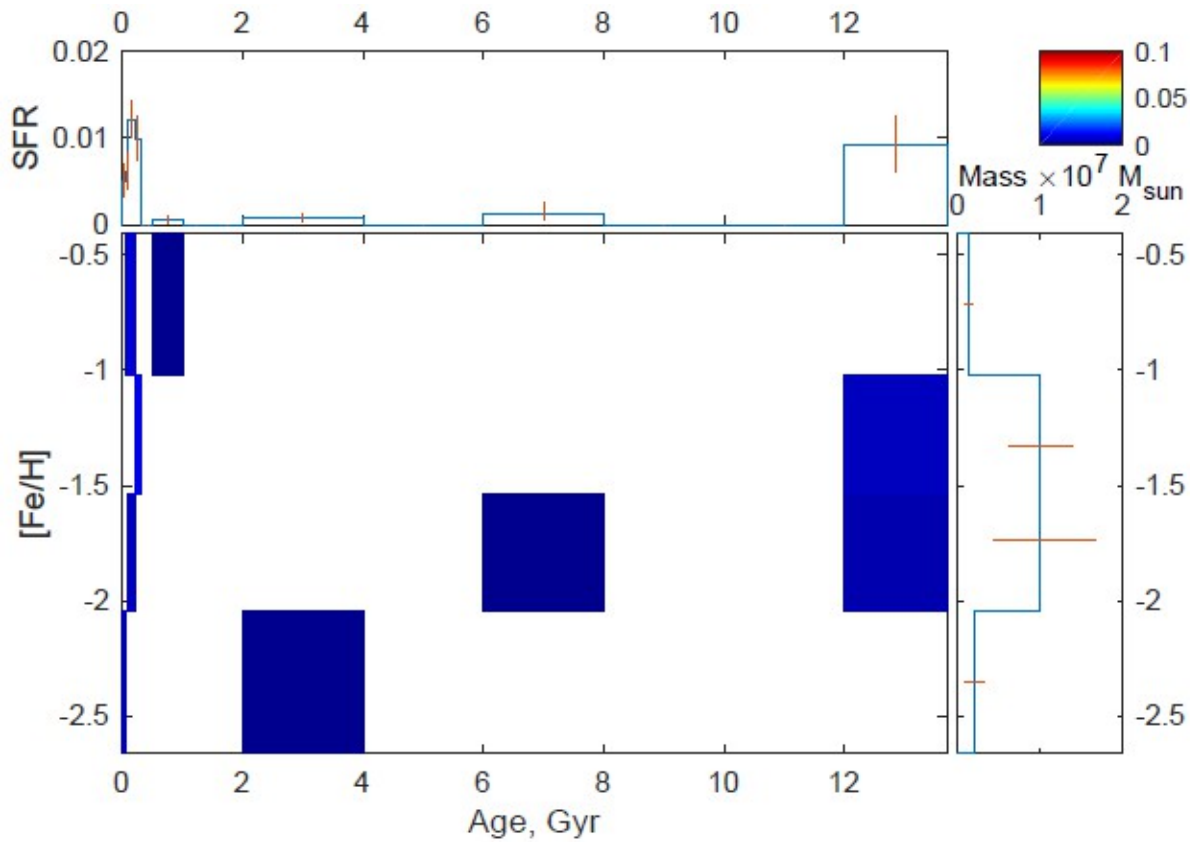
SFH in “head” of DDO 68



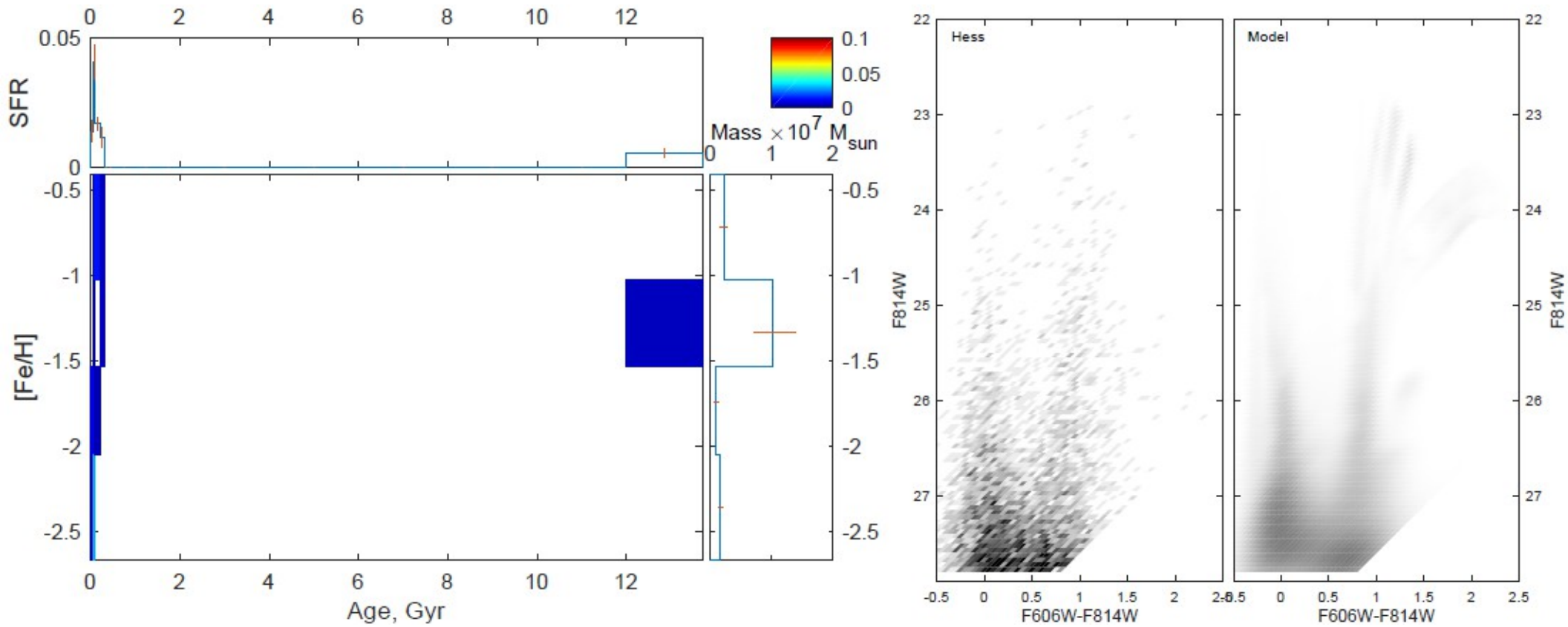
SFH in “body” of DDO 68



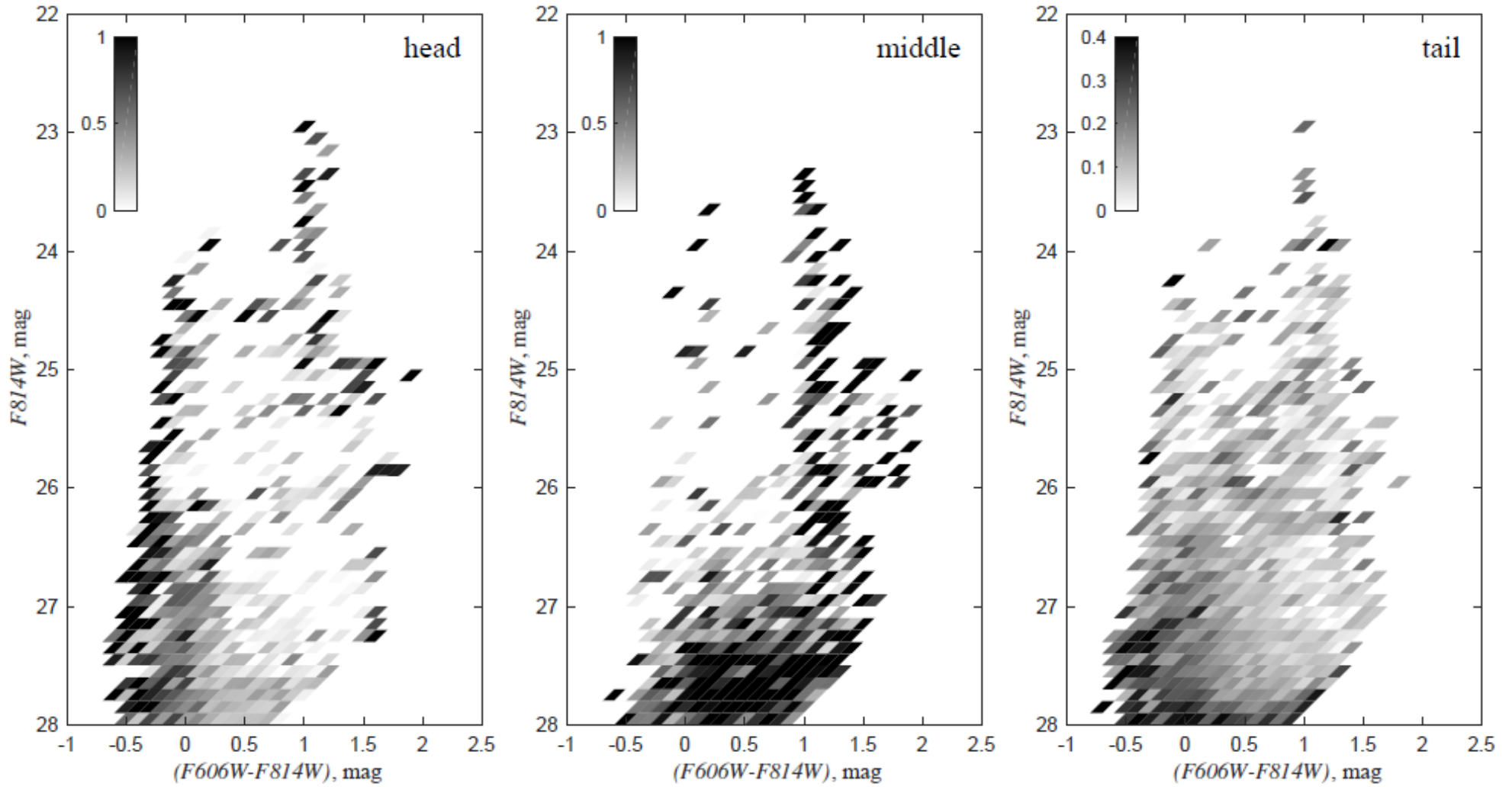
SFH in “middle” of DDO 68



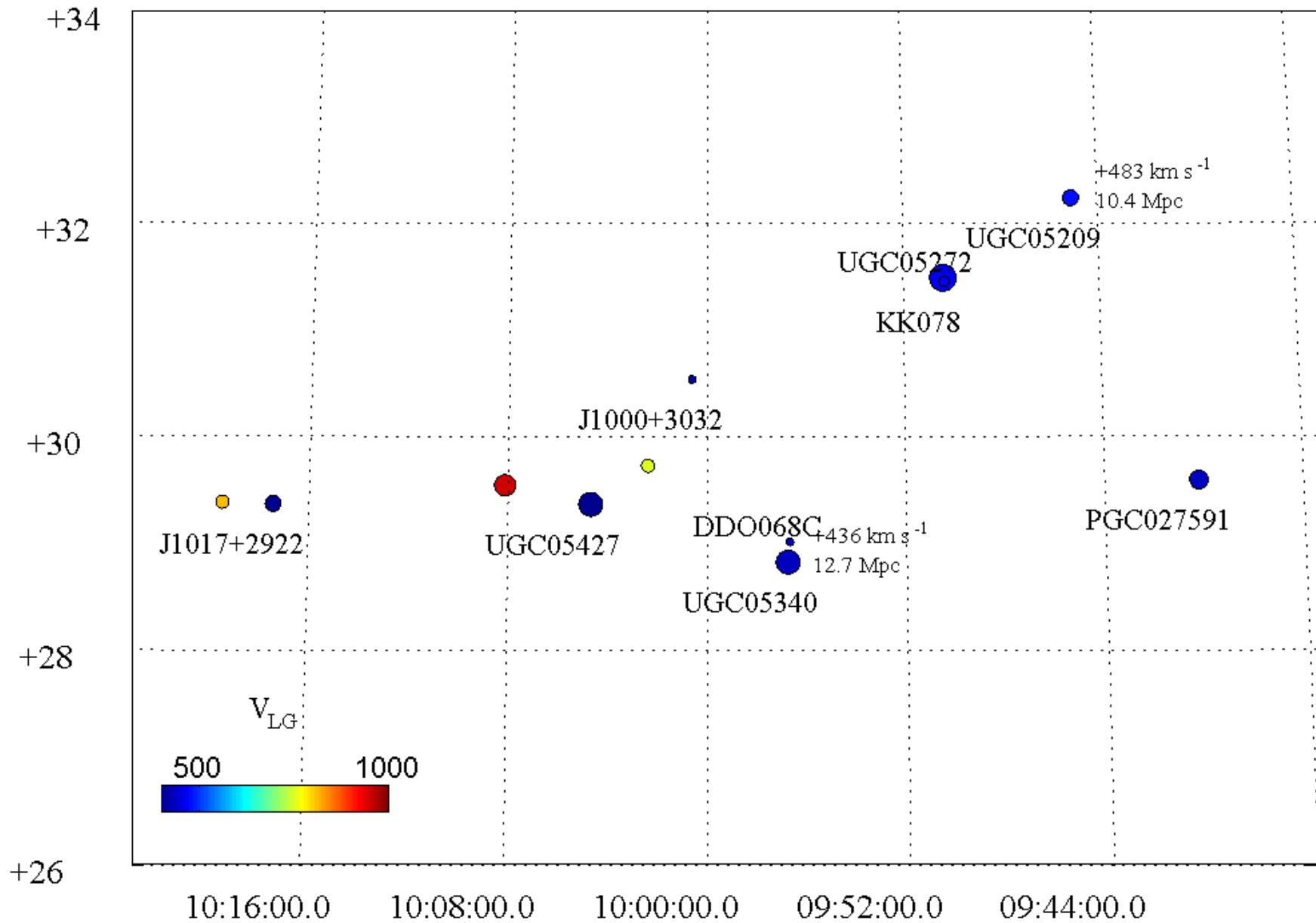
SFH in “tail” of DDO 68



Corrections for contamination from body



Sky map around DDO 68



Thank you for attention