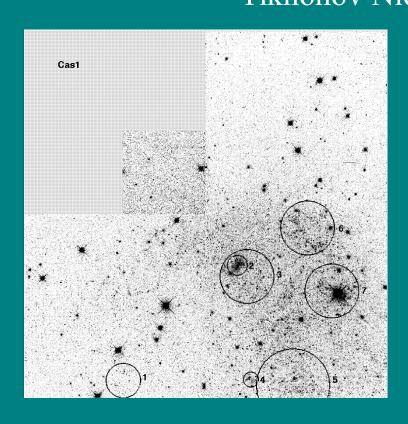
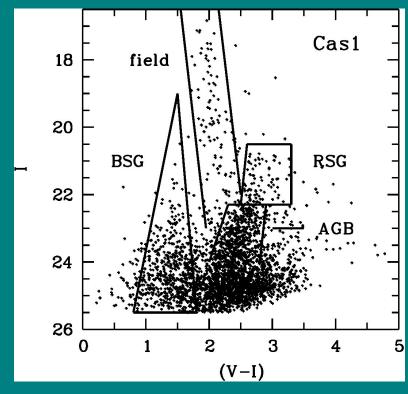
The distance to the irregular galaxy Cassiopeia-1 Tikhonov Nickolay (SAO RAS)



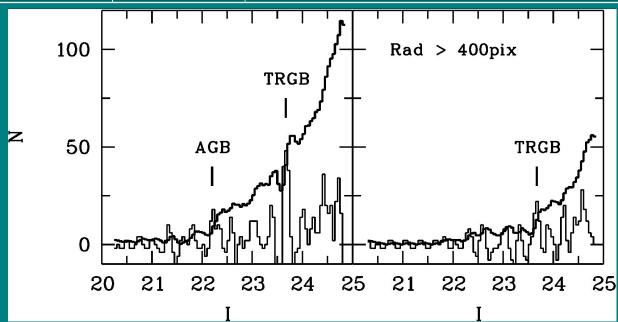
Cassiopeia 1 on the WFPC2 image of the Hubble Space Telescope. Star complexes containing young stars are marked with circles. Image size $2.5' \times 2.5'$.



CM diagram of Cas1 stars. A band of background stars is visible, as well as a branch of blue and red stars, with increased color indices due to reddening of the light on the dust-gas clouds of the Galaxy.

Distance to Cassiopeya-1

D, Mpc	$A_{ m V}$	References
0.79	4.0	Tikhonov (1996)
1.7	4.16	Karachentsev et al. (1997)
3.0	2.5	Weinberger & Saurer (1998)
4.5		Marvel & Wilcots (2000)
5.27	2.79	www.sao.ru/lv/lvgdb
1.61	2.79	Tikhonov (2019)



The luminosity function of the AGB stars and red giants Cas1 with selection by color index 2.0<(V-I)<2.8 (left) and with additional selection along the galaxy radius (right).