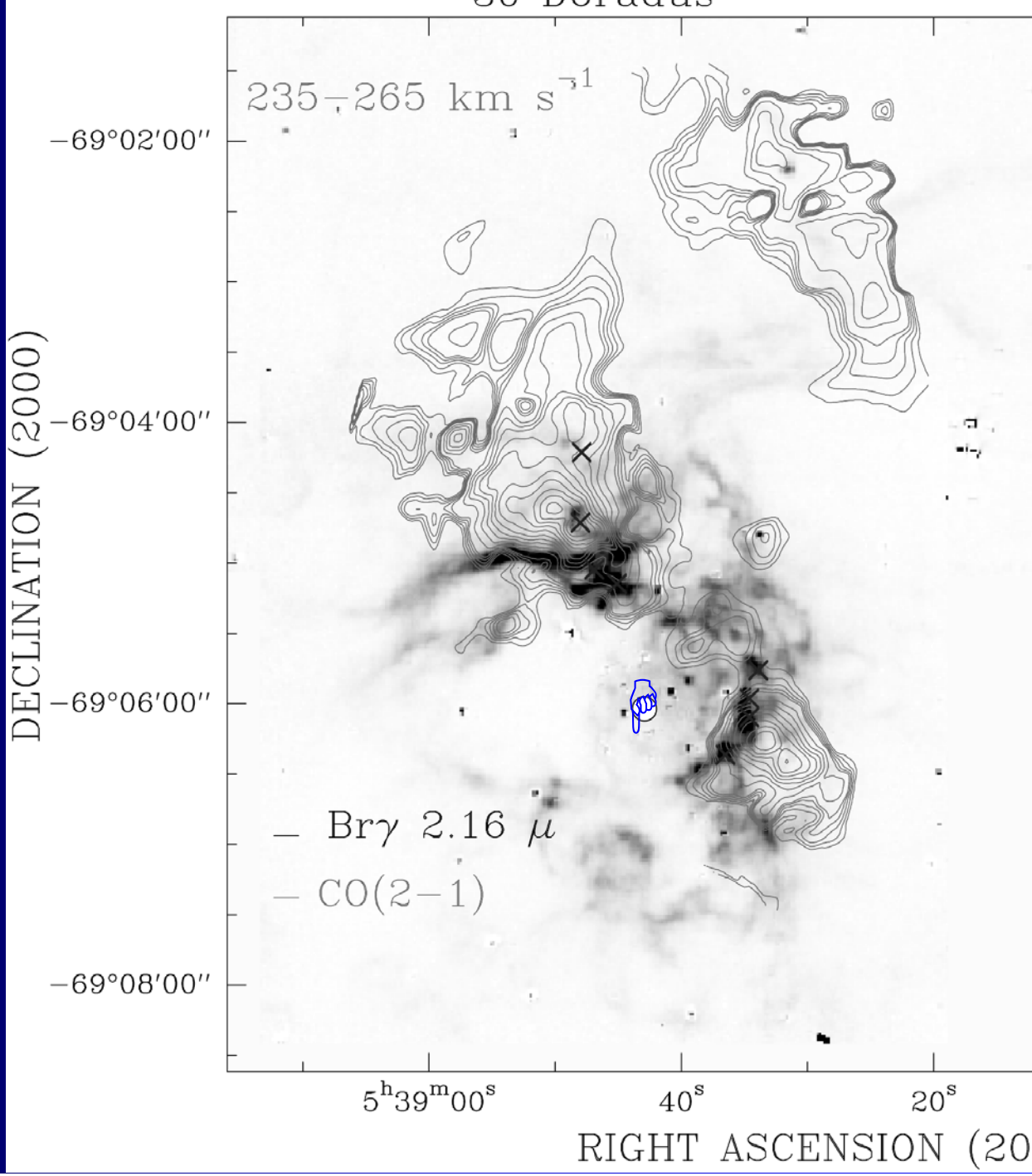
The structure of Giant H II Regions

Jesús Maíz Apellániz
(Space Telescope Science Institute)

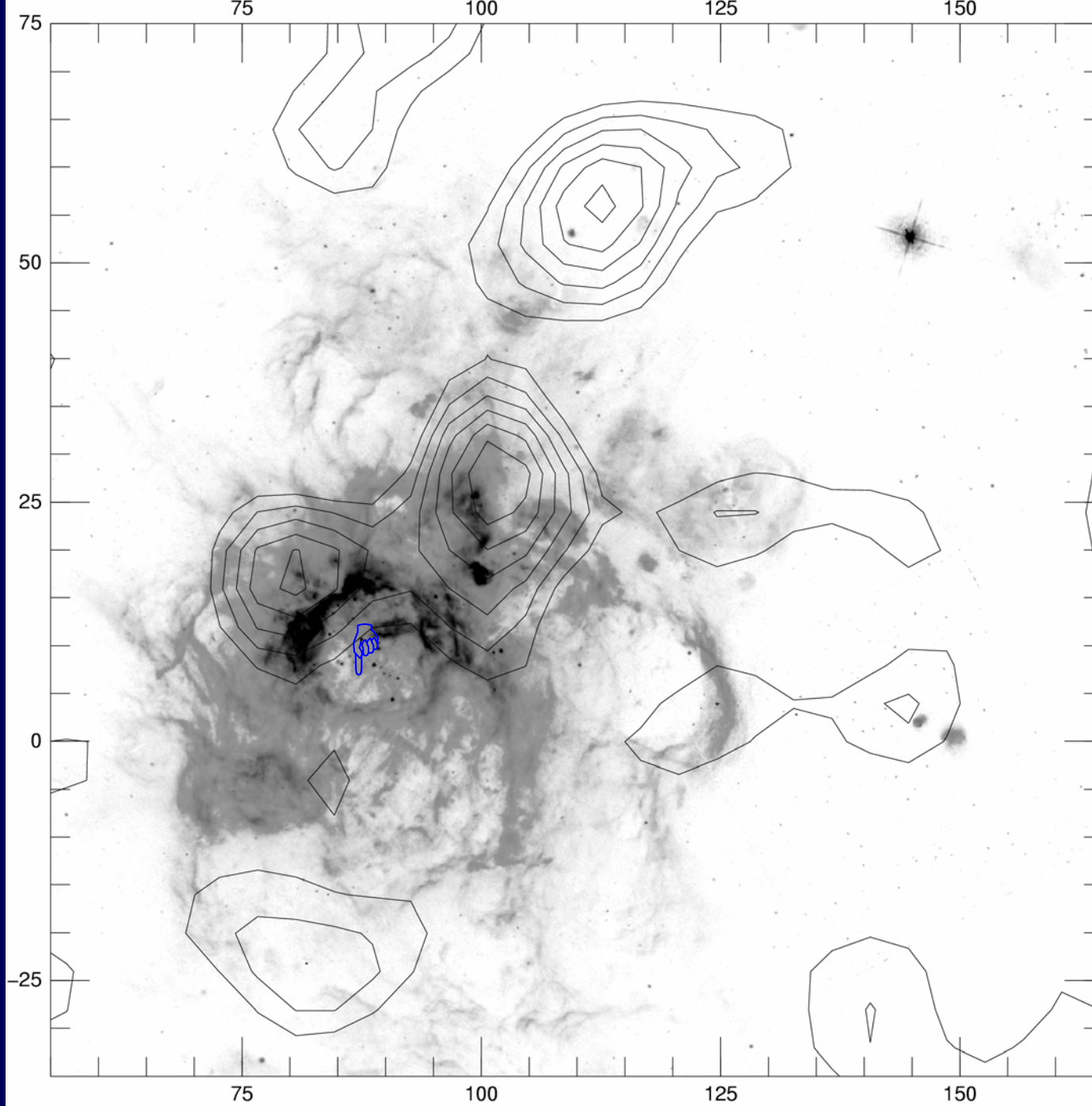
IAC, 3 December 2004

30 Doradus in Brγ + CO



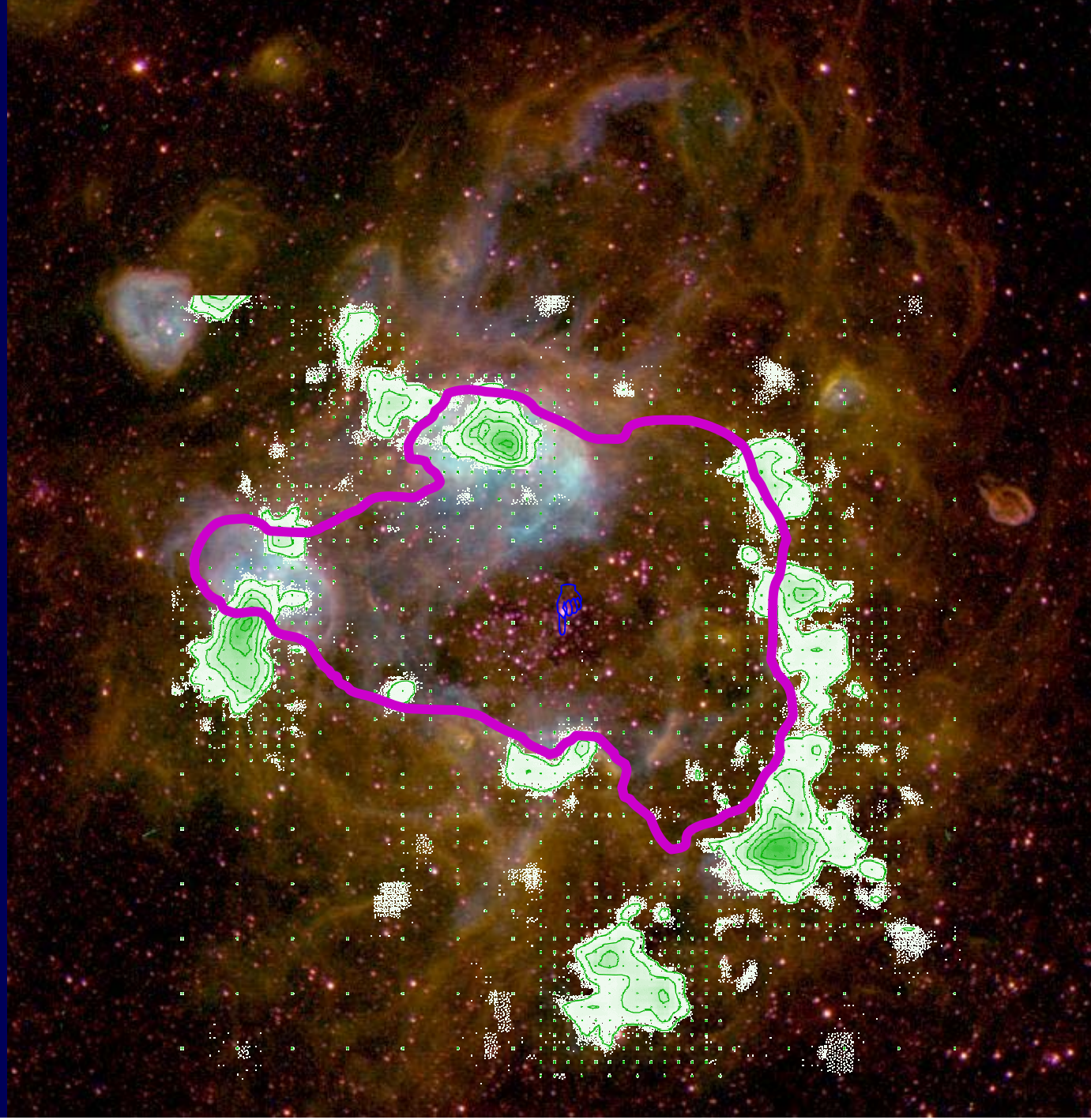
Rubio et al. 1998

NGC 604 in Hα + CO



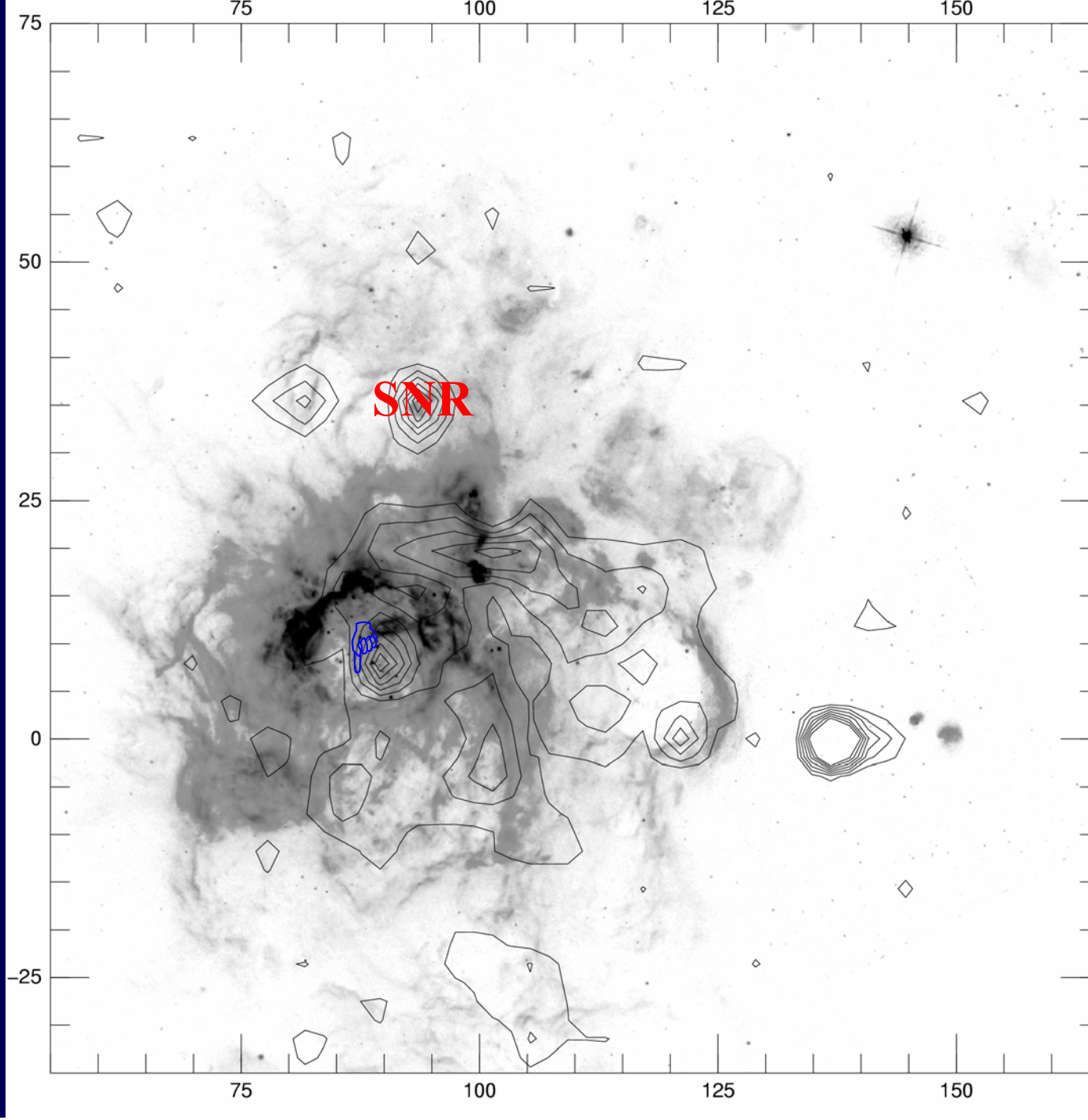
Maíz-Apellániz, Pérez & Mas-Hesse 2004

N11 in nebular lines + CO



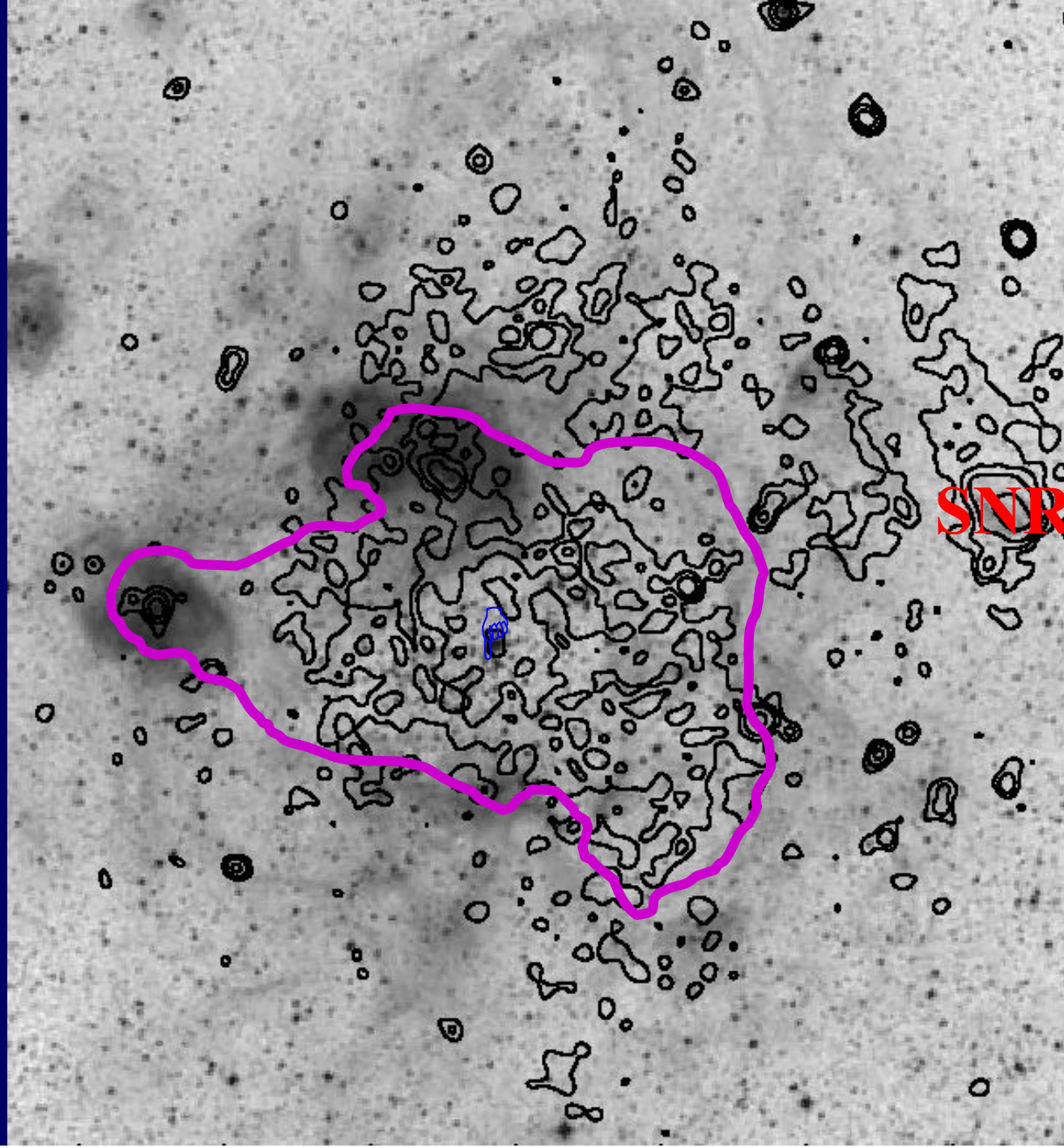
Barbá 2003
Israel et al. 2003

NGC 604 in Hα and X-rays



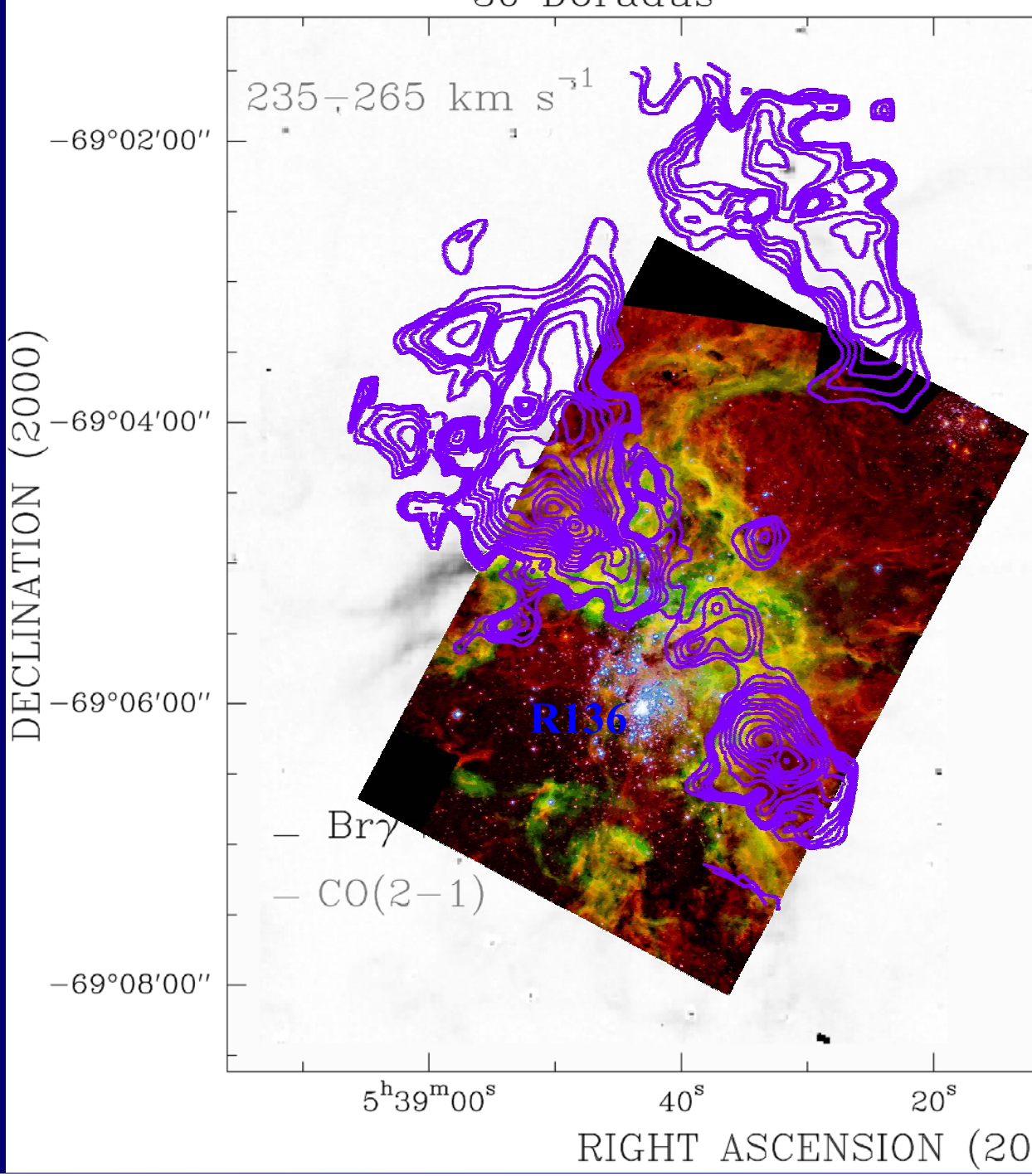
Maíz-Apellániz, Pérez & Mas-Hesse 2004

N11 in optical and X-rays



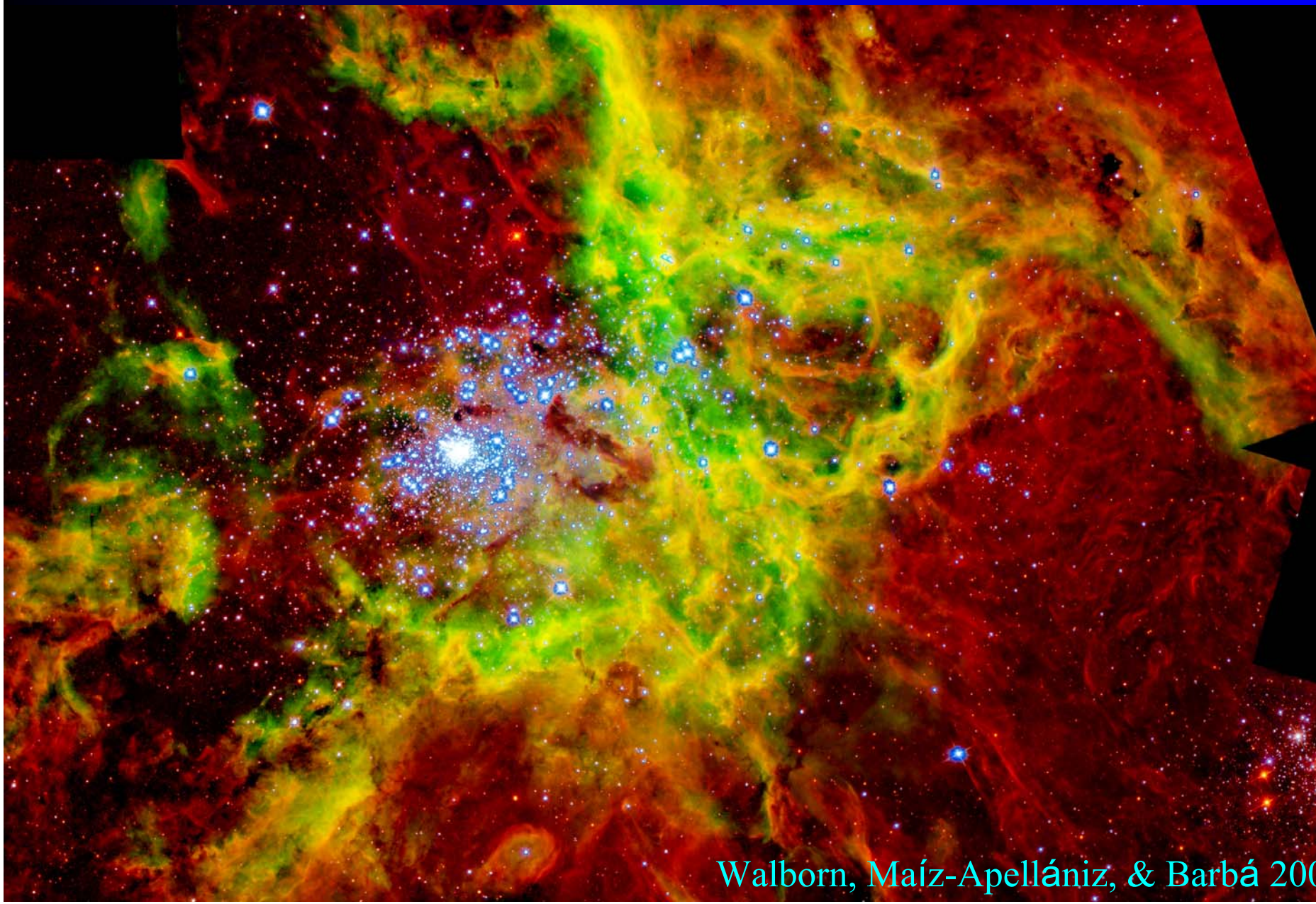
Nazé et al. 2004

30 Doradus: optical WFPC2 mosaic + CO

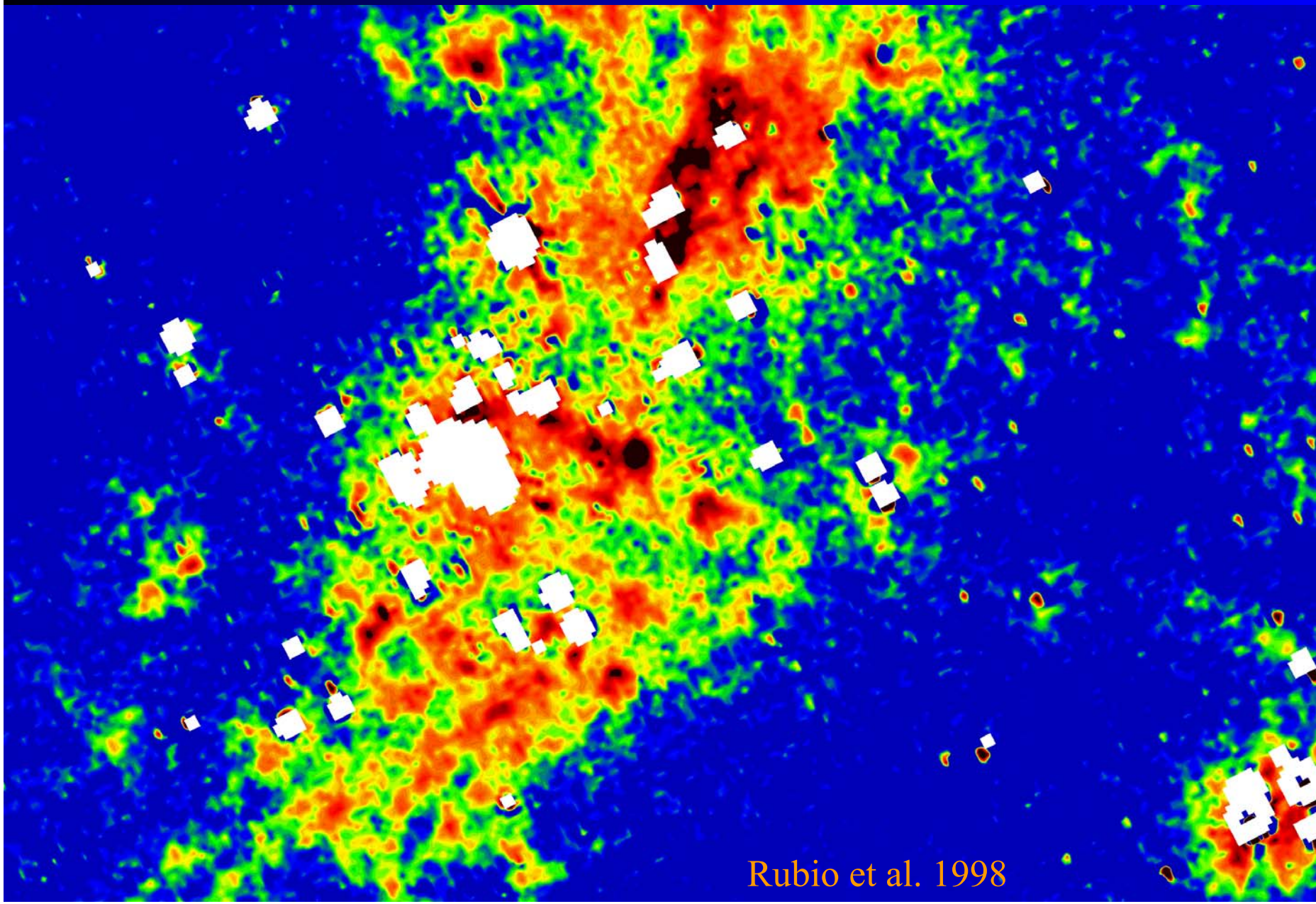


Walborn, Maíz-Apellániz, & Barbá 2002
Rubio et al. 1998

30 Doradus: optical WFPC2 mosaic



30 Doradus: the PDR in NIR H_2 emission



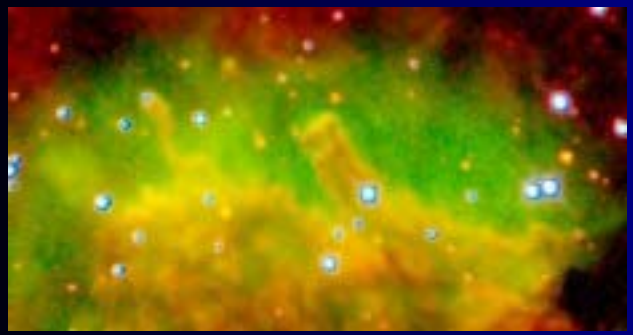
Rubio et al. 1998

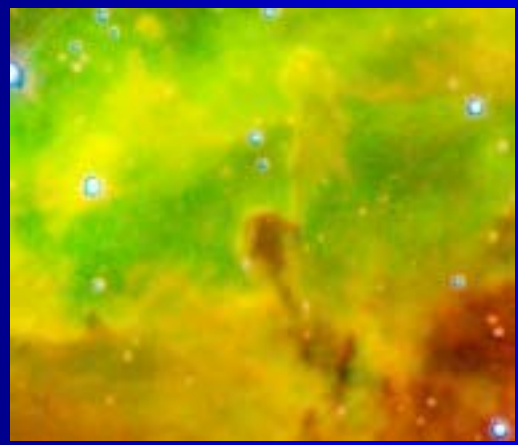
The Eagle nebula: a normal H II region

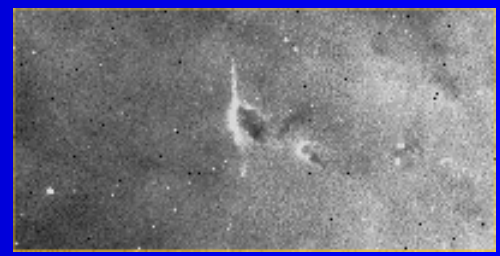


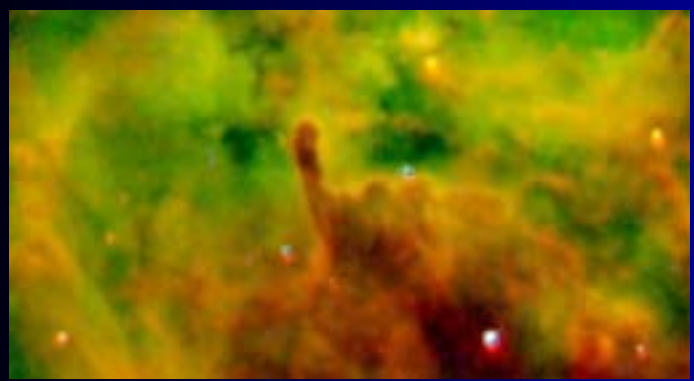
Rector & Wolpa 2002

Small-scale structures in 30 Doradus and N11



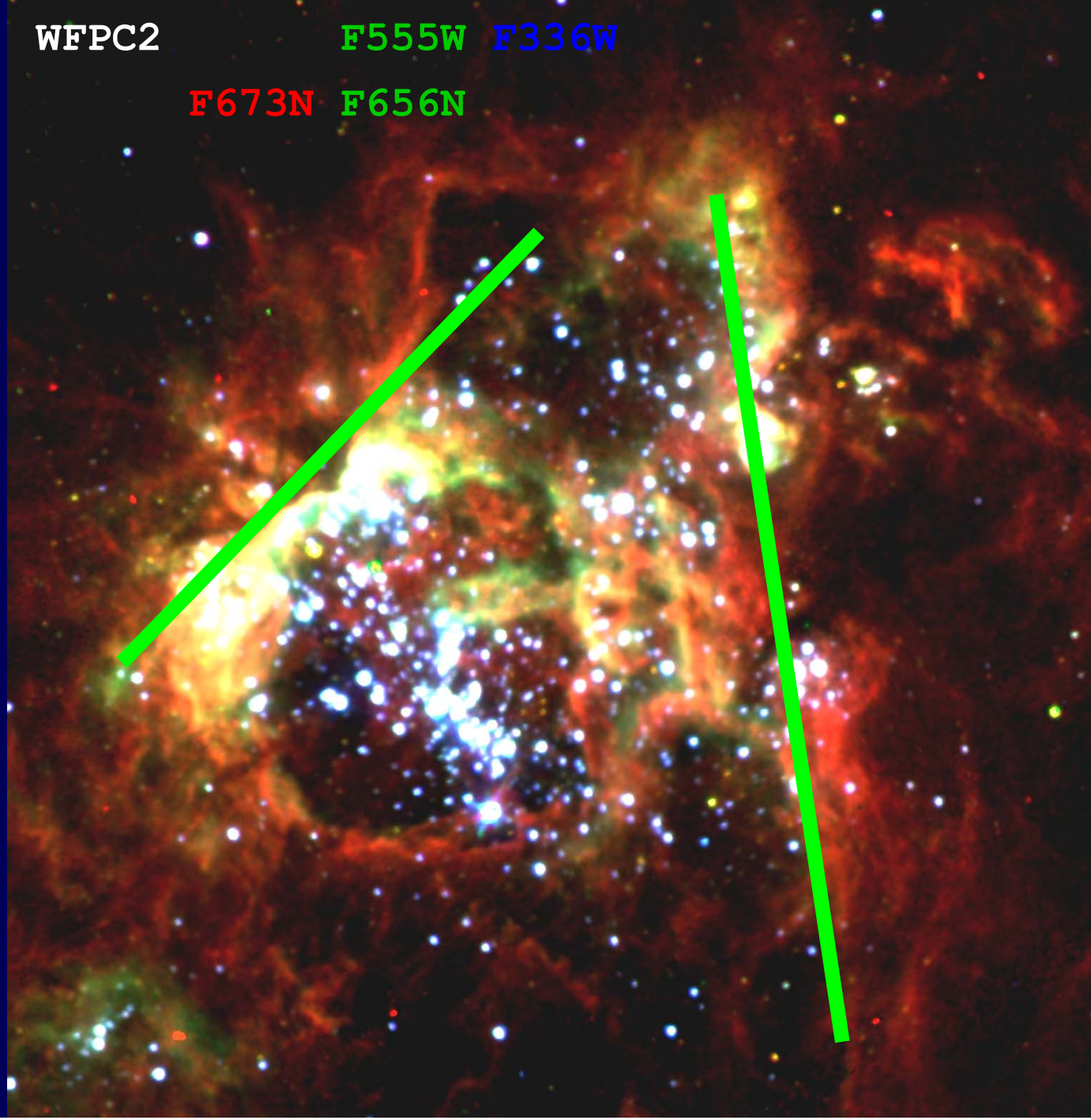






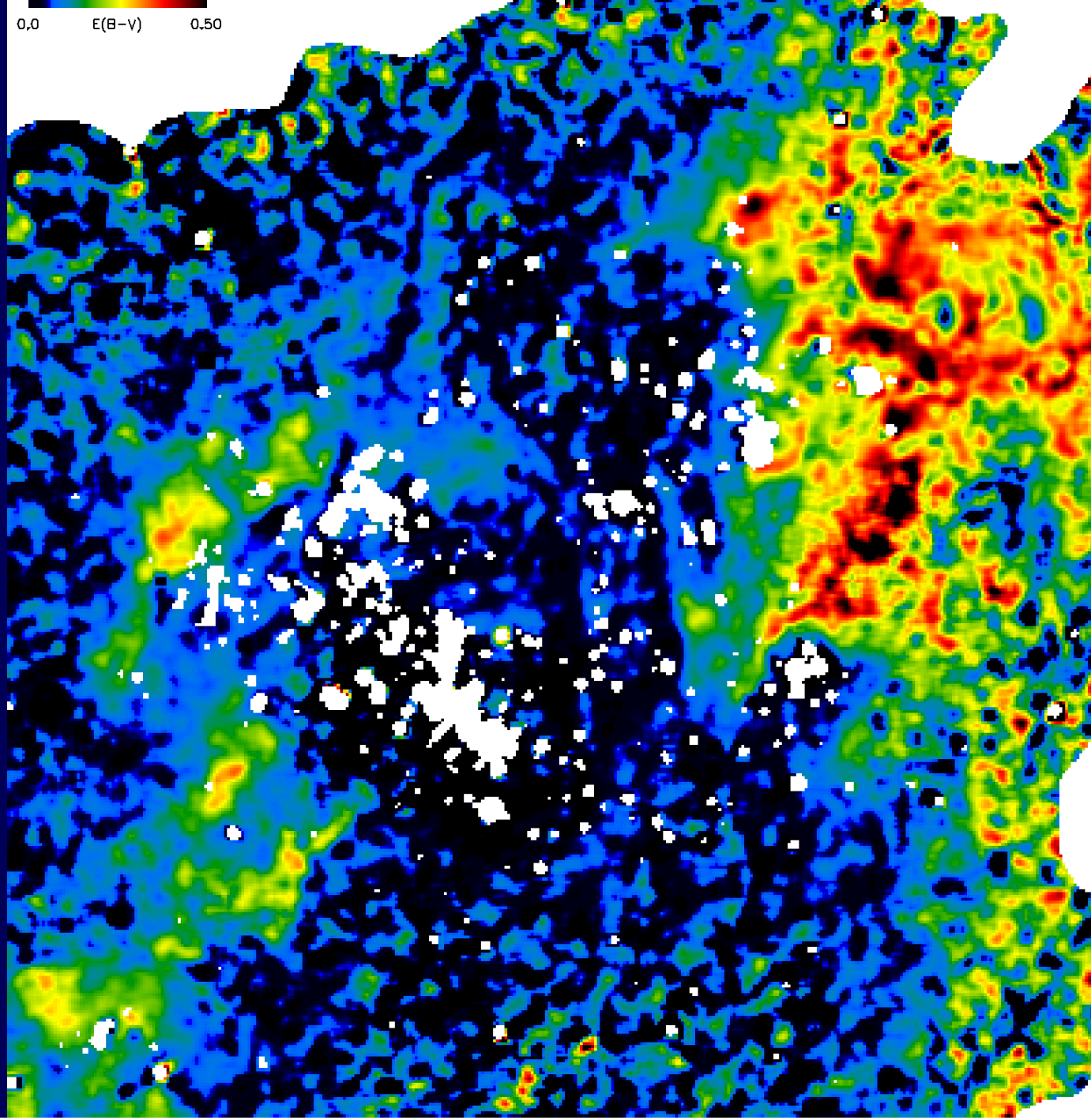


NGC 604 optical



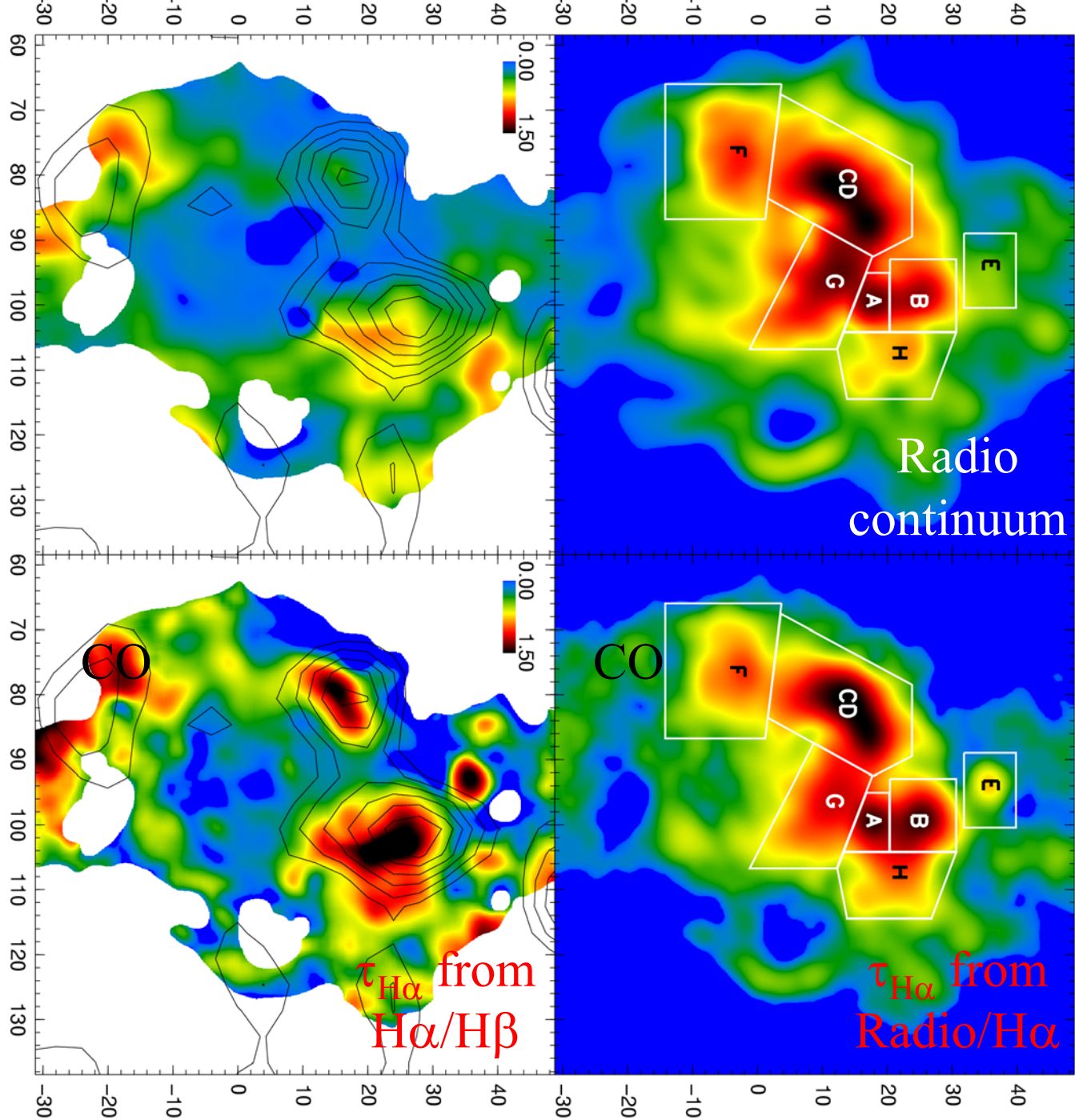
Maíz-Apellániz, Pérez & Mas-Hesse 2004

NGC 604 Hα/Hβ reddening

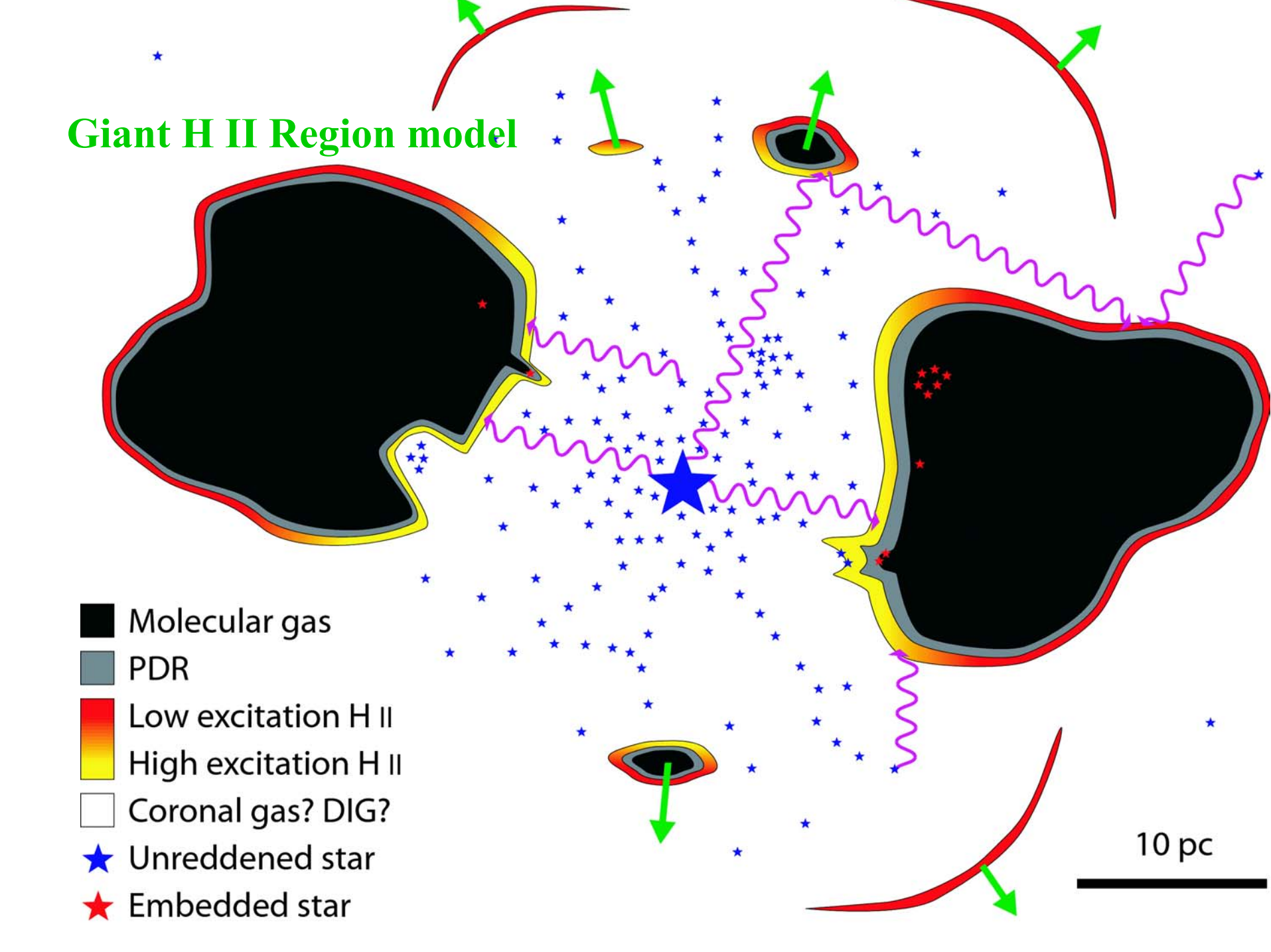


Maíz-Apellániz, Pérez & Mas-Hesse 2004

NGC 604: Hα/Hβ vs. Radio/Hα extinction + CO



Maíz-Apellániz, Pérez & Mas-Hesse 2004


Giant H II Region model
Molecular gas
PDR
Low excitation H II
High excitation H II
Coronal gas? DIG?
Unreddened star
Embedded star
10 pc