Exeter-FCRAO Carbon Monoxide Survey of the Northern Galactic Plane

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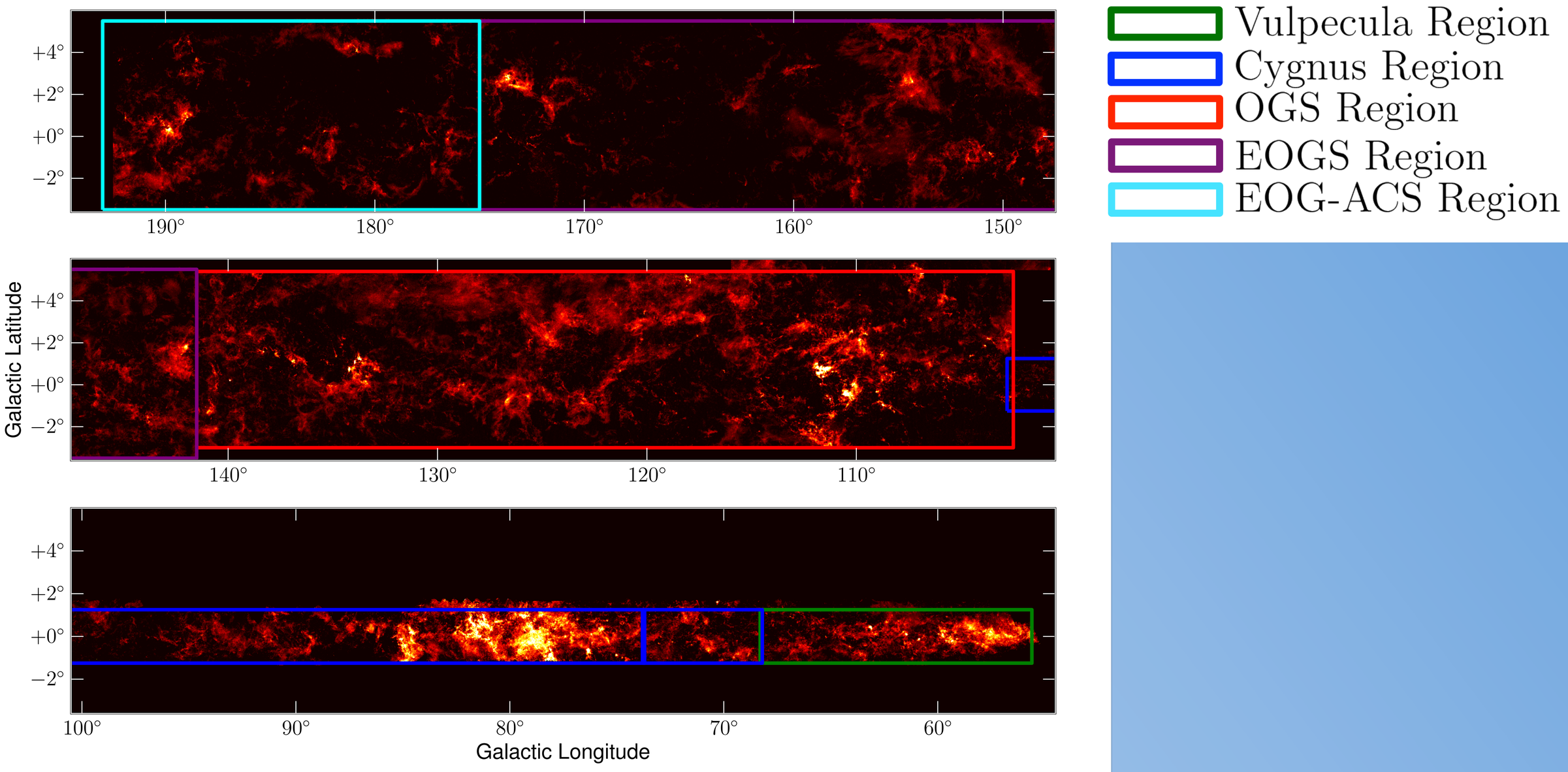
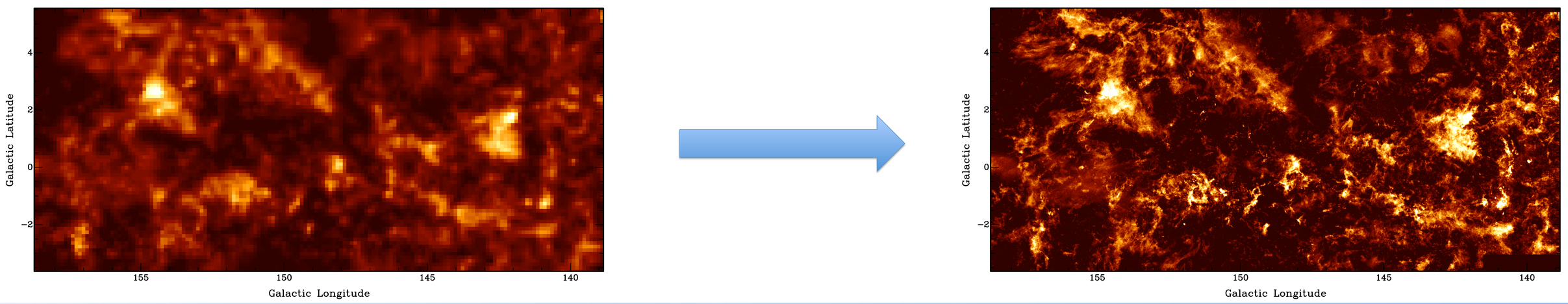
Abstract

Large scale Carbon Monoxide (CO) observations define the distribution, structure and dynamics of the mass reservoir available for star formation in the Galaxy. We present survey observations of publicly available data of the J=1-0 transition of ^{12}CO (rest frequency of 115.3GHz, corresponding to ~2.6mm). There are three survey regions; the Anti-Centre Survey (ACS) with longitude coverage of l (194-165); the Extended-Outer Galaxy Survey (EOGS) with longitude converge of l (165-135) and the Cygnus & Vulpecula surveys with longitude range of l (104-54). The complete survey release also includes the Outer galaxy Survey (OGS) region; Heyer et al. (1998).



These data are a factor of ten improvement in resolution on previous works by Dame et al. (2001), see below.



These are public data, the paper for which is currently in prep, and can be requested from Chris Brunt (brunt@astro.ex.ac.uk).

For current work using of the data, see the poster presented in the GAL session by **Summers & Brunt**: *Mapping The Outer Galaxy in CO & HI*.

References

Brunt, Heyer, Mottram & Summers (*in prep*)
Dame et al. (2001) , ApJ, **547**, 792;
Heyer et al. (1998), ApJS, **115**, 241