

Frequency of Dwarf Galaxy Pairs Throughout Cosmic Time

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Gas content of dwarf pairs is non-negligible

$$M_{gas} \approx 10^9 M_{\odot}$$

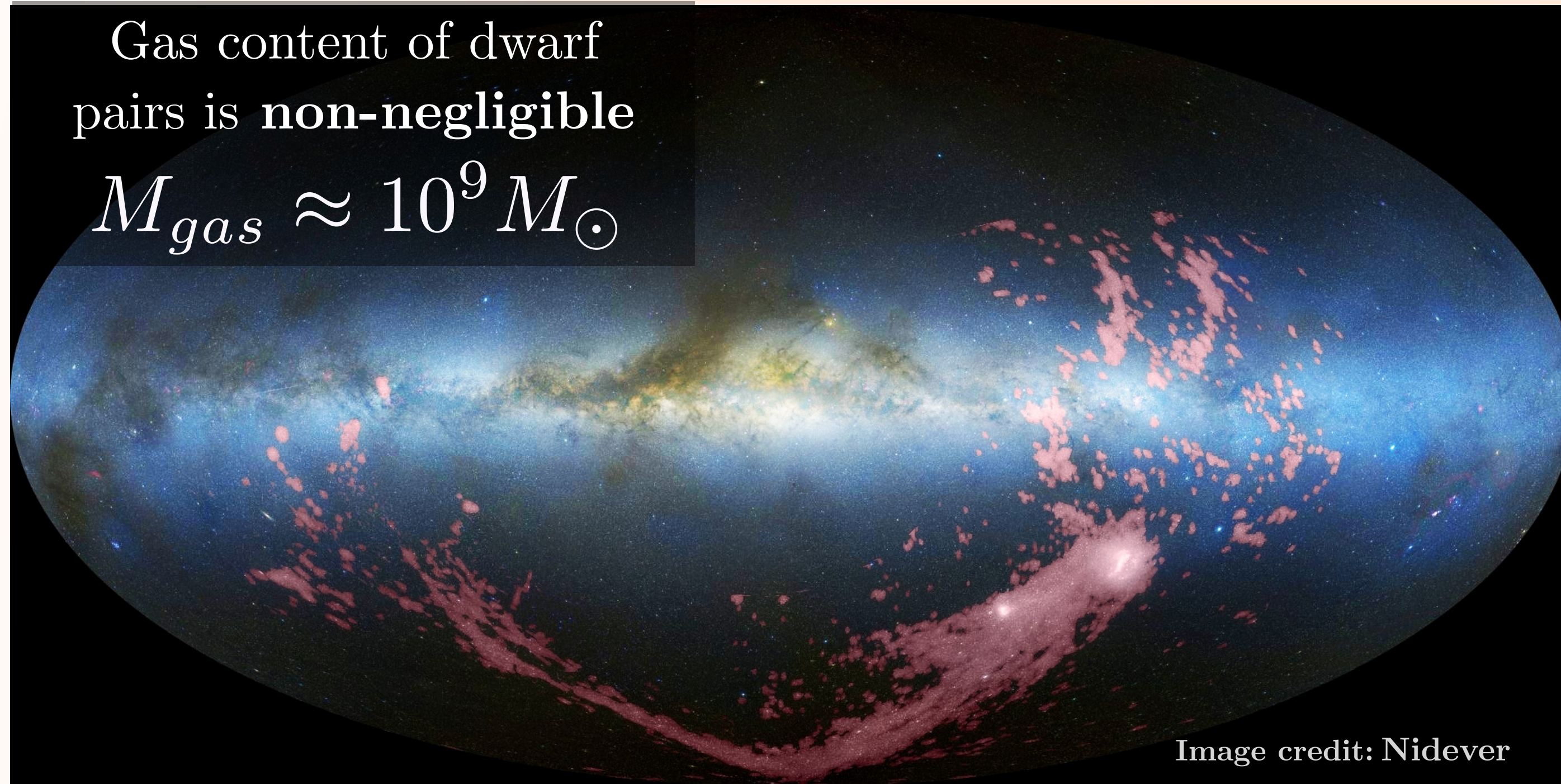
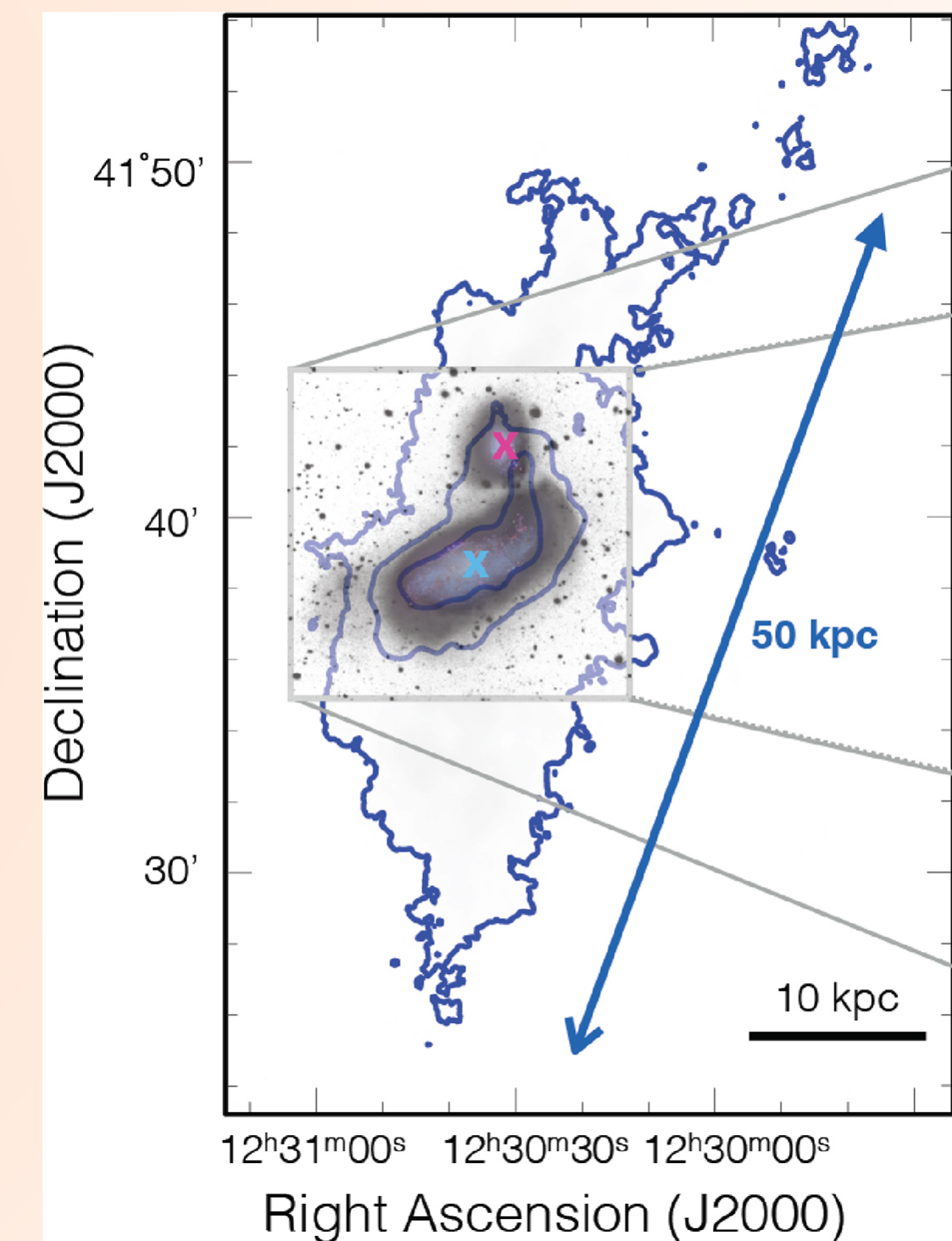


Image credit: Nidever

Found: **eccentric**
orbital histories

Pearson+ 2018



Why This Matters:

- Potential gas supply to CGM
- Impacts the baryon cycle

How often do we find dwarf pairs throughout time?

Quantifying Dwarf Pair Frequency

- ◆ Frequency of Magellanic Cloud analogs & streams over time
 - Rare at $z=0$ (Besla+ 2018). Will we see streams with SKA?
- ◆ Merger timescales for dwarf pairs
 - Observational merger rates from JWST fields?

Preliminary Conclusions:

relative abundance of
bound LMC/SMC
analogs remains
approximately constant
over time

