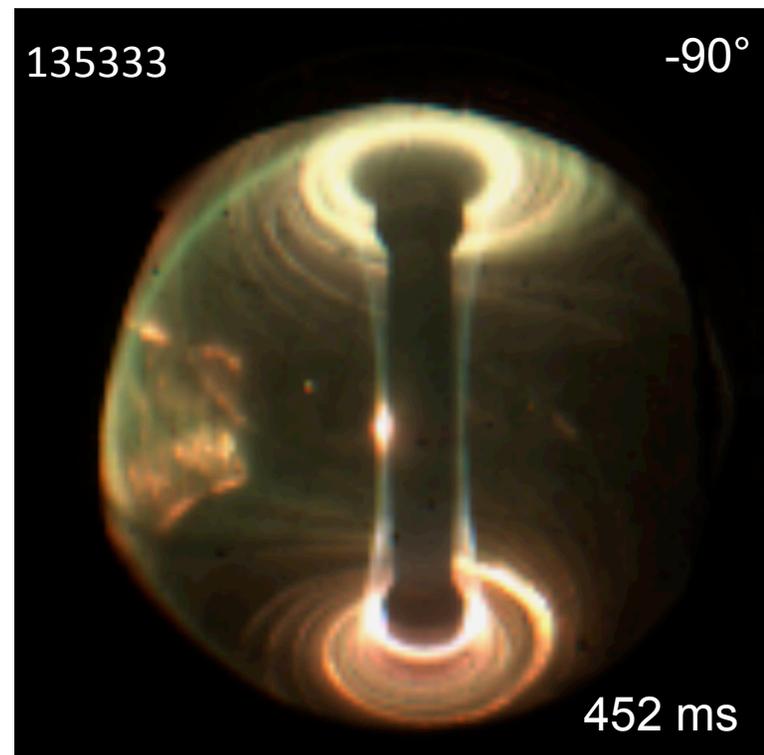


RF edge heating

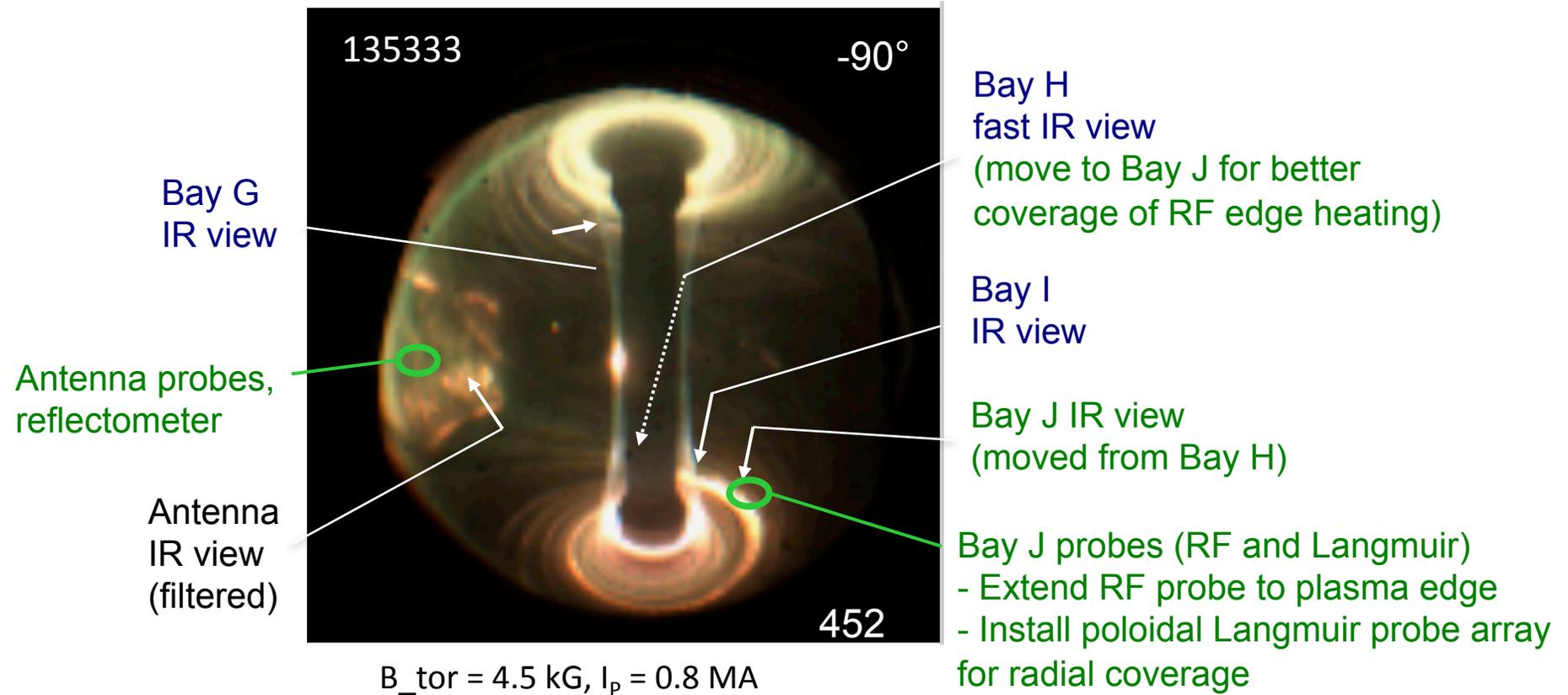
- RF operation can deposit a spiral of heat on outer divertor
- Fast IR cameras have been critical in this study
- Langmuir and RF probes needed to distinguish wave effects from particle effects
- Want to optimize the locations of these diagnostics

RF Heat Deposition



$B_{\text{tor}} = 4.5 \text{ kG}$, $I_p = 0.8 \text{ MA}$

IR camera and probe upgrade: critical for documenting RF edge heating



- *Relocate diagnostics:* to “see” hot streak over wide range of field pitch
- *New IR views:* both at Bay J bottom and antenna
- *Better probes:* Langmuir, energy analyzer, RF probe