LUVOIR TELECON, JUNE 12

COR PERSPECTIVES

WHAT WE MUST AVOID

SETTLE FOR
INCREMENTAL
THINGS

Incremental science at 8-12 billion dollars is not going to win. And it shouldn't.

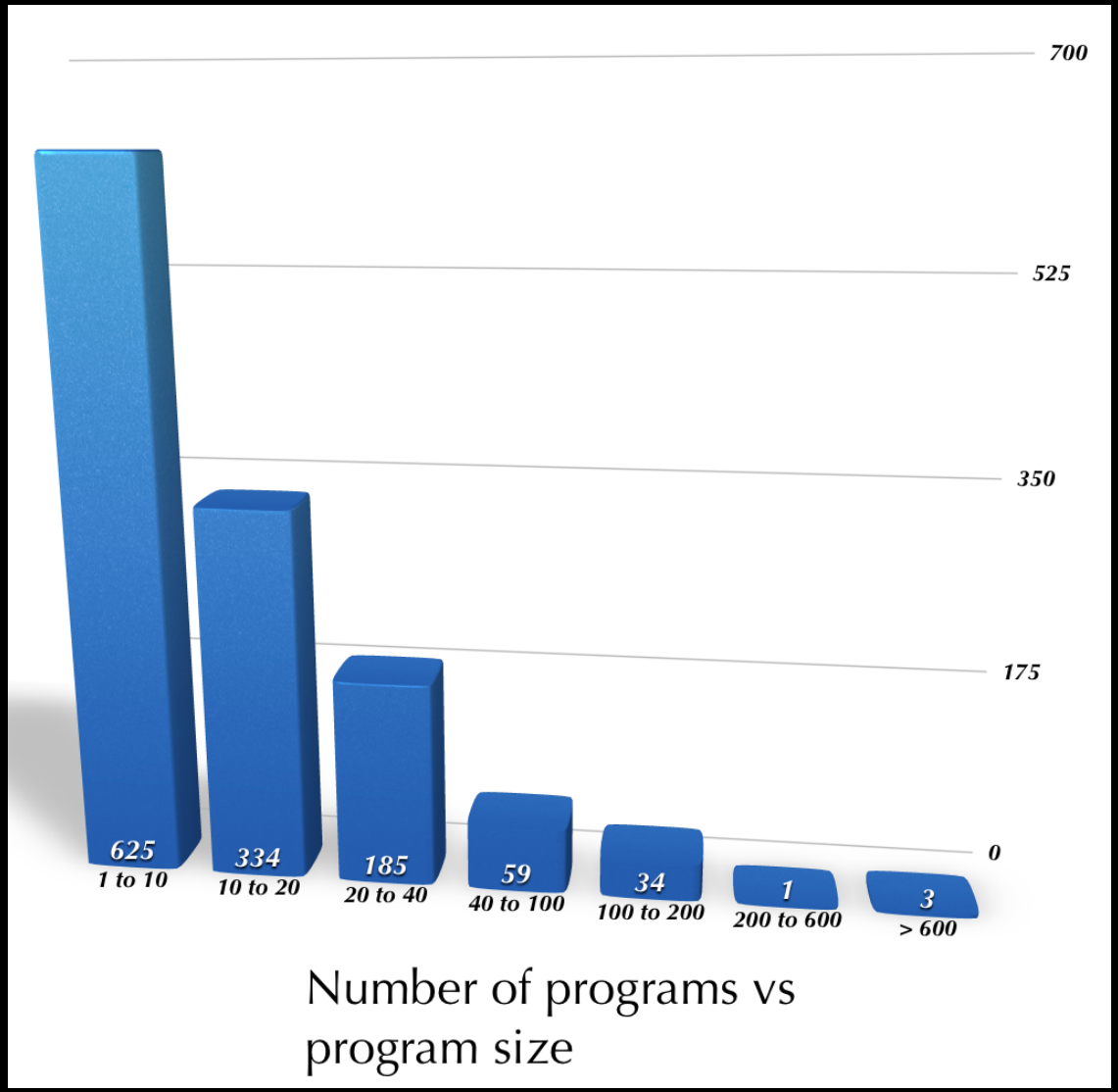
BEFORE WE JUMP INTO DETAILS

- The interim report Signature Science was *designed* with architecture A in mind
- Thus, simply filling in a matrix may do B a disservice
- That said, a checkbox in a matrix will almost *always* mean "can do, but at diminished (sometimes significantly) returns"
- In fewer cases: same returns, longer time
- In very few cases: luminosity functions give cliffs at ~4 meters, not 8 (e.g. UV bright QSOs?)

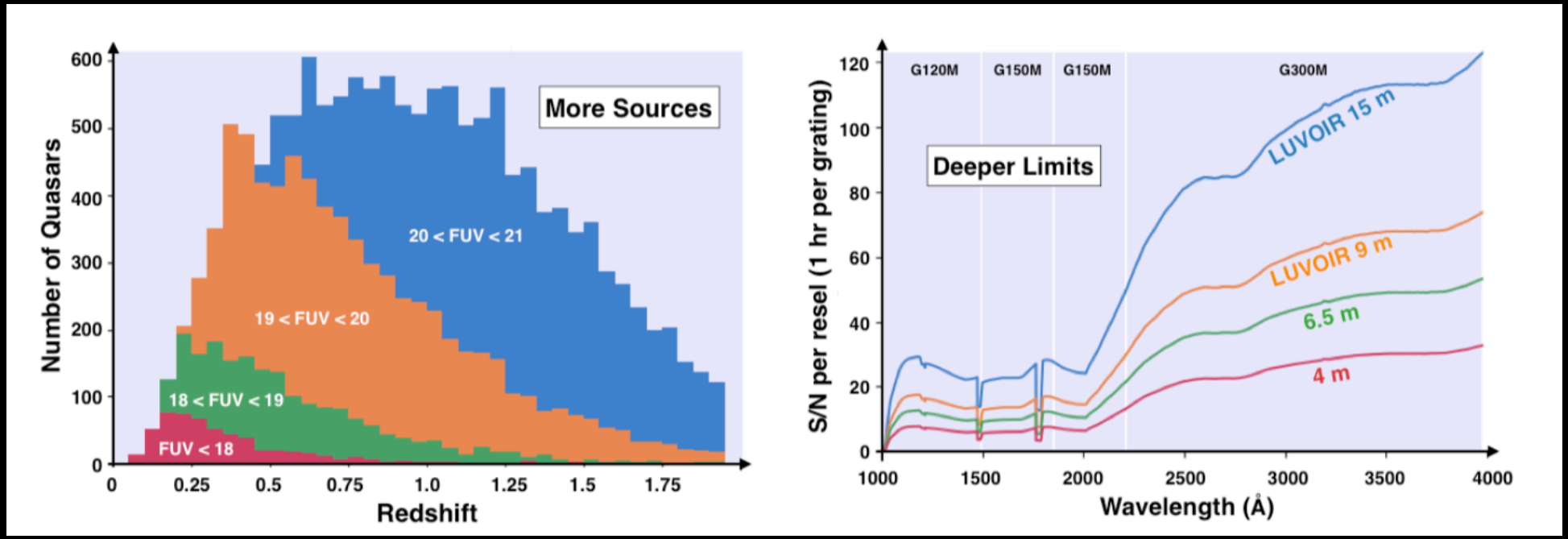
BEFORE WE JUMP INTO DETAILS

- We *must* do the DRMs for A and B, no matter which we cost, and we must do them on time (August 1)
- If possible, scale your codes appropriately to allow for late-game B changes
- How we write the narrative for B, and how we sell it depends critically on what we can do in 'year 1' without killing community science
- HabEx's philosophy of ~25% time is deadly to a flagship mission at flagship costs.

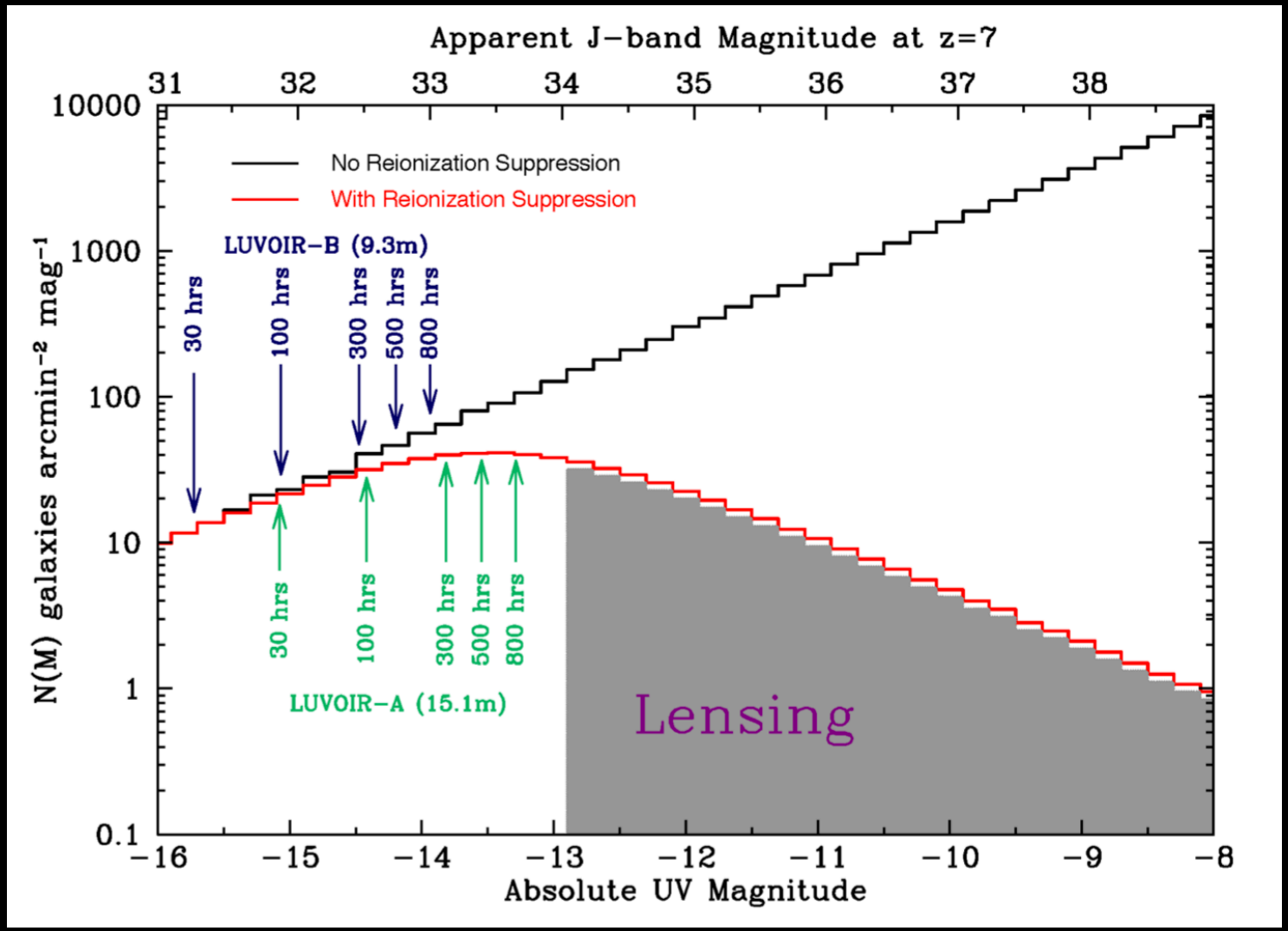
REMEMBER: THIS CURVE DOESN'T CARE HOW BIG THE MIRROR IS, AND THAT CUTS BOTH WAYS



EXAMPLE OF "GOOD NEWS" FOR B



EXAMPLE OF "BAD NEWS" FOR B



NOT GONNA HAPPEN WITH B