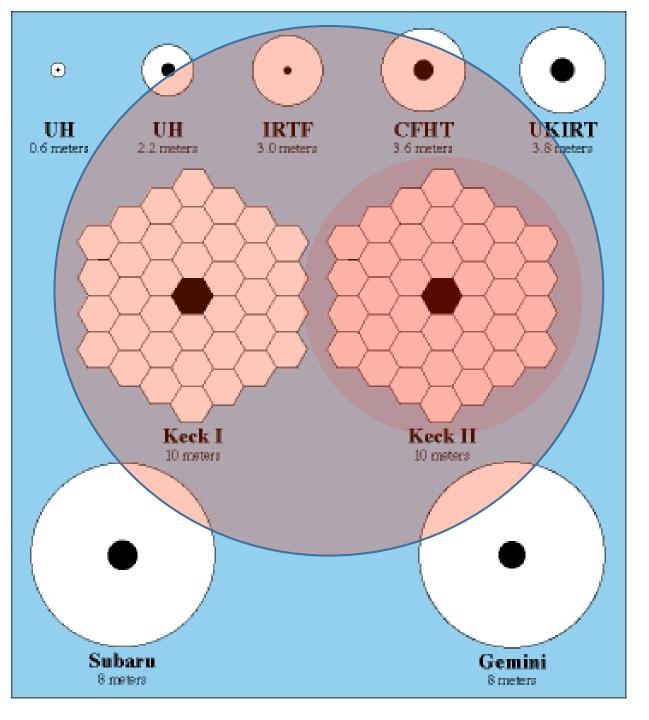
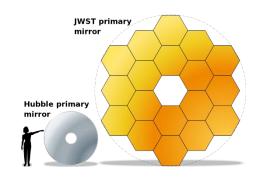
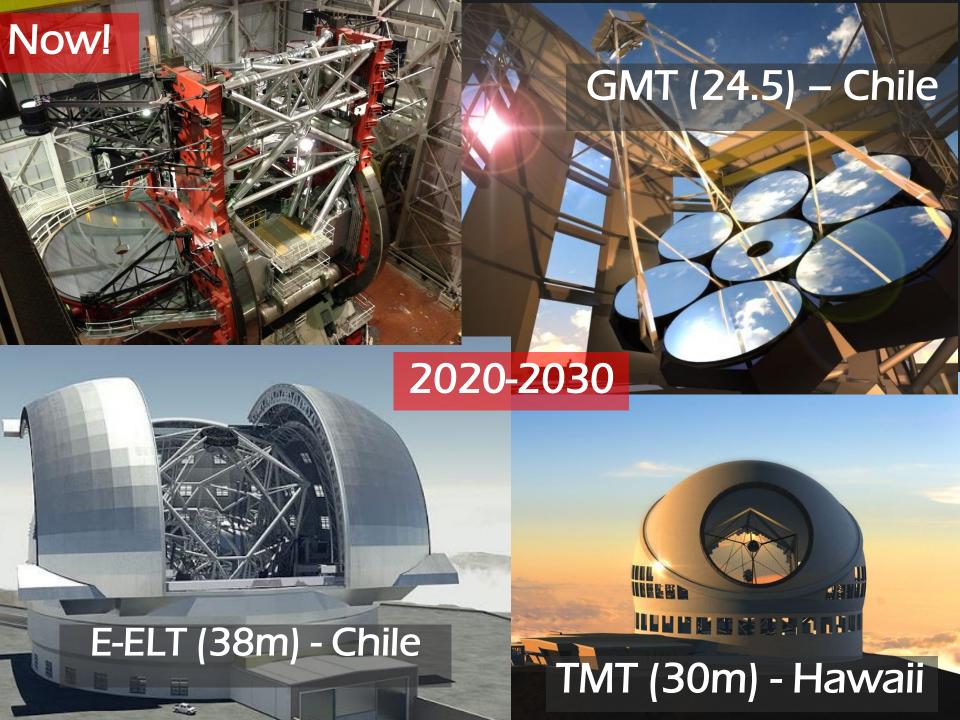


LBTO 11.8 meters Light Gathering Power





LBTO 23 meters Resolving Power



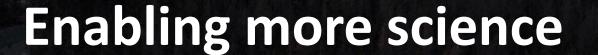


A six-year development plan for LBTO [2014-2019]



A six-year development plan for LBTO [2014-2019]





- Better data
 - IQ mirror ventilation collimation ...



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Enabling more science

- Better data
 - IQ mirror ventilation collimation ...
- LBT2020
 A six-year development plan for LBTO [2014-2019]

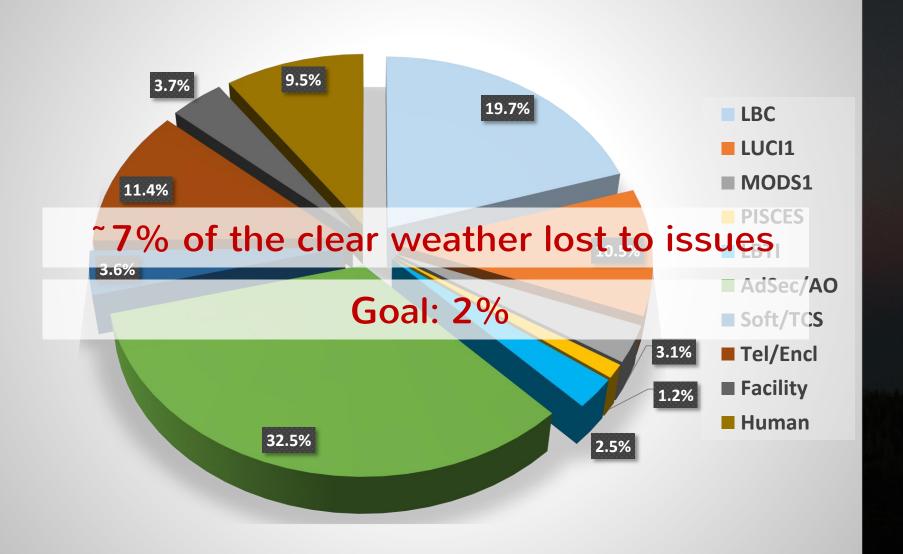
- More data
 - Less downtime, less overheads, better observers, binocular...

214 38arc

RABILTO157633843345669/

Efficiency... (13B)

2013 B - Downtime Sources



Enabling more science

- Better data
 - IQ mirror ventilation collimation ...
- LBT2020
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- More data
 - Less downtime, less overheads, better observers, binocular...
- Pre-processed data, public quickly
 - Pipelines Proprietary time Public archive

Enabling more science

- Better data
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- More data
 - Less downtime, less overheads, better observers, binocular...
- Pre-processed data, public quickly
 - Pipelines Proprietary time Public archive
- Observatory-run queue
 - Better data High priority programs completed first –
 Programs selected according to conditions +...



A six-year development plan for LBTO [2014-2019]

Strengths of LBTO

Excellent AO...

- We must build on it!
 - 1. AO instruments LUCIs... asap!

2. Going down to shorter wavelengths



LBT2020

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A six-year development plan for LBTO [2014-2019]

Excellent AO...

- We must build on it!
 - 1. Ao instruments Proposals for upgrades
 - and new instruments
 - 2. Going down to shorter wavelengths



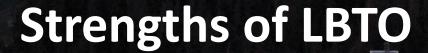


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ELT forerunner!

Interferometry is key...

- LBTI
 - Going down to near-IR and visible?
- LINC-NIRVANA
 - Get the full LN!





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ELT forerunner!

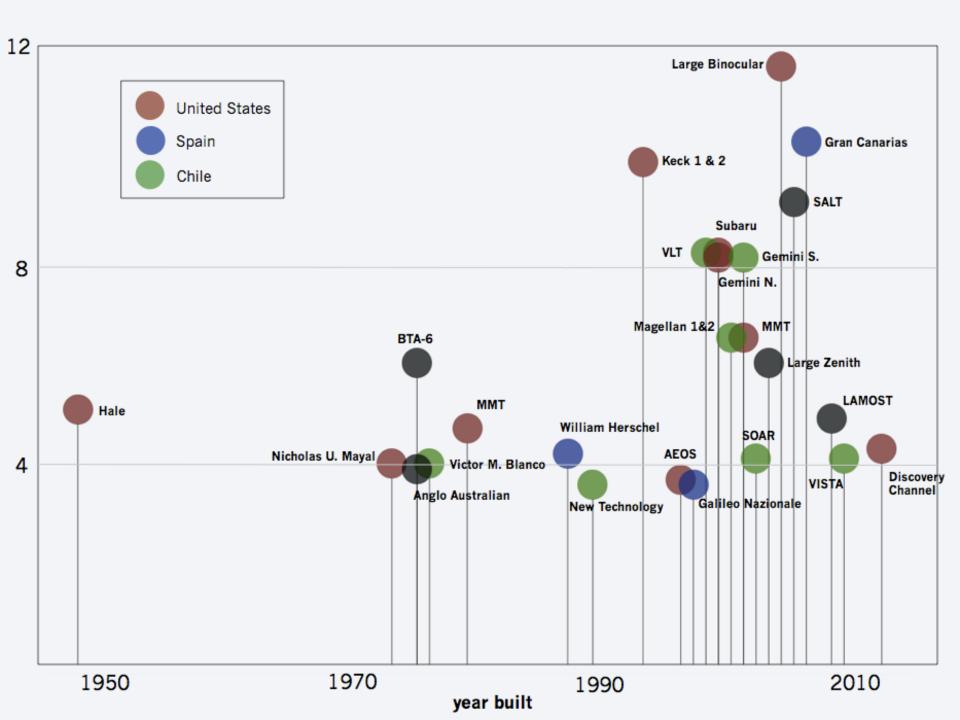
Interferometry is key...

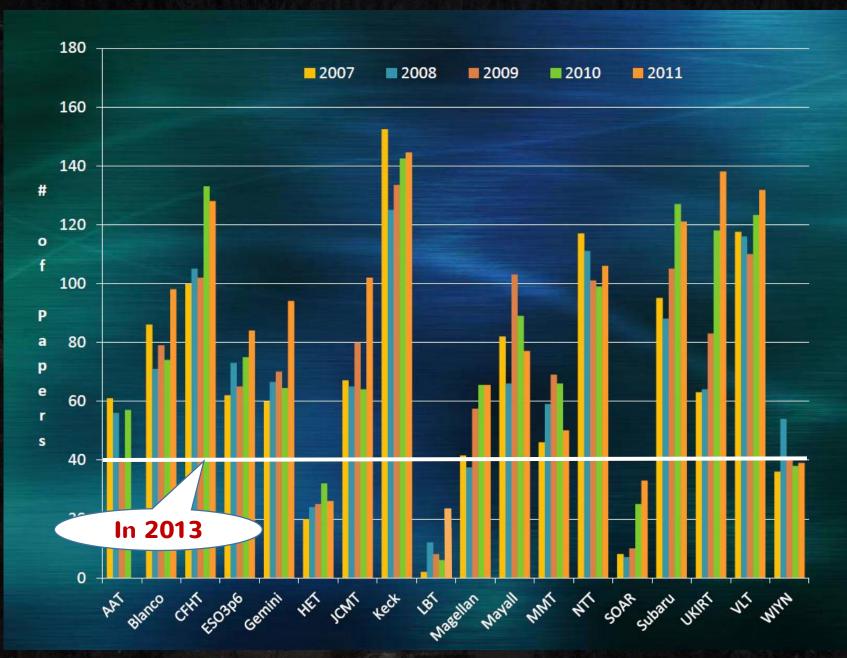
LBTI

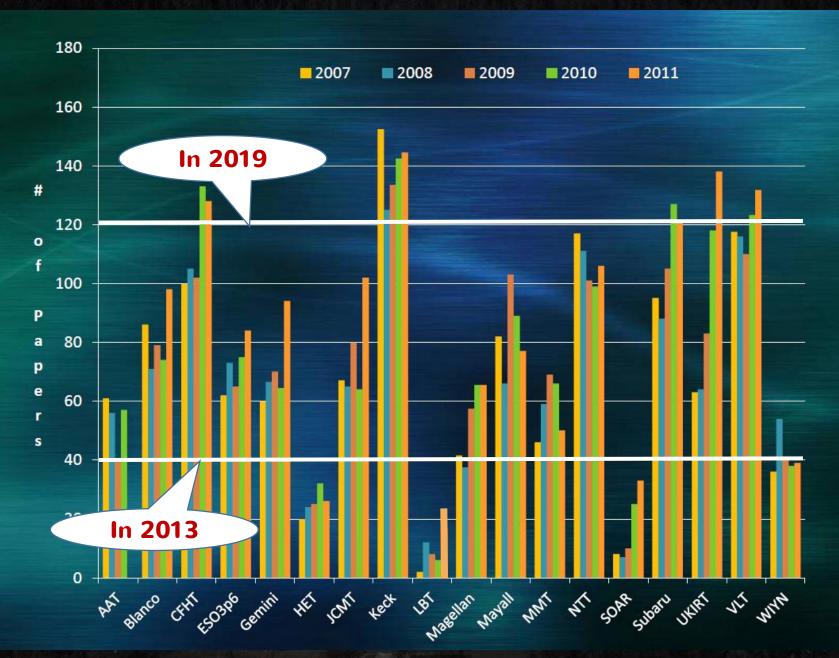
- Going down to near-IR and visible?
 LINC-NIRVAN Challenge:
 - Get t Routine operation...



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LBT2020

A six-year development plan for LBTO [2014-2019]

Mt Graham is not Mauna Kea or Chile

- Good seeing not so frequent
- More nights lost to weather



A six-year development plan for LBTO [2014-2019]

Mt Graham is not Mauna Kea or Chile

- Good seeing not so frequent We must be ready to make the best of the best conditions...

Don't let luck decide!



LBT2020

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Observatory on Mt Graham has limited space for offices, lodging, auxiliary equipment...



Observatory on Mt Graham has limited space for offices, lodging, auxiliary equipment...

- Remote observing room in Tucson
 - Increased bandwidth?
- Is it worth building close to the site?
 - Future of the permit...



Observatory on Mt Graham has limited space for offices and lodging

- Remote observing room in Tucson
 - Increased bandwidth?
- Is it worth building close to the site?



