

in-situ Calibration System: status

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*DESI Spectrograph Telecon
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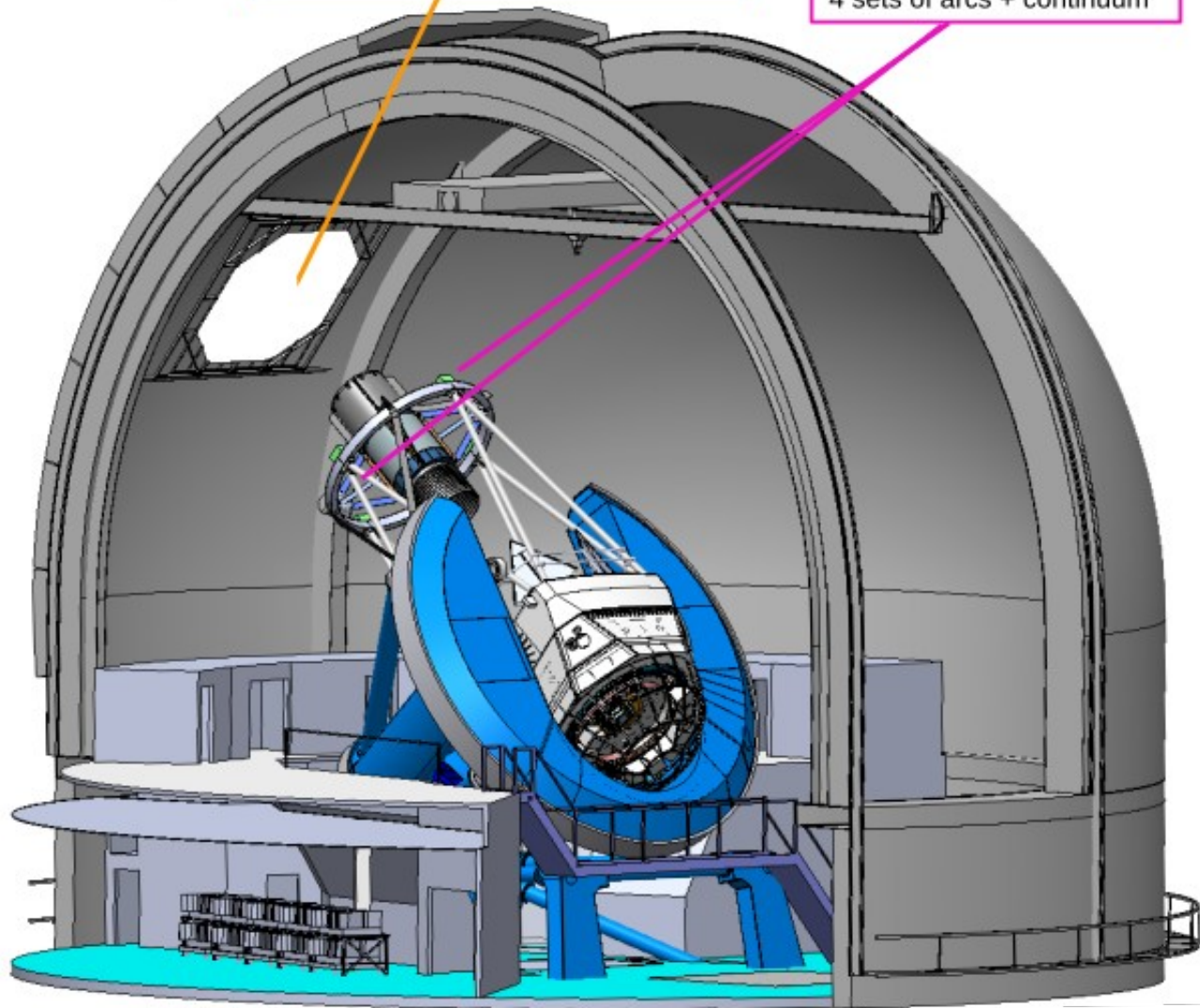


Dome Flat Screen

Screen used to project light onto
Slight modification of current screen

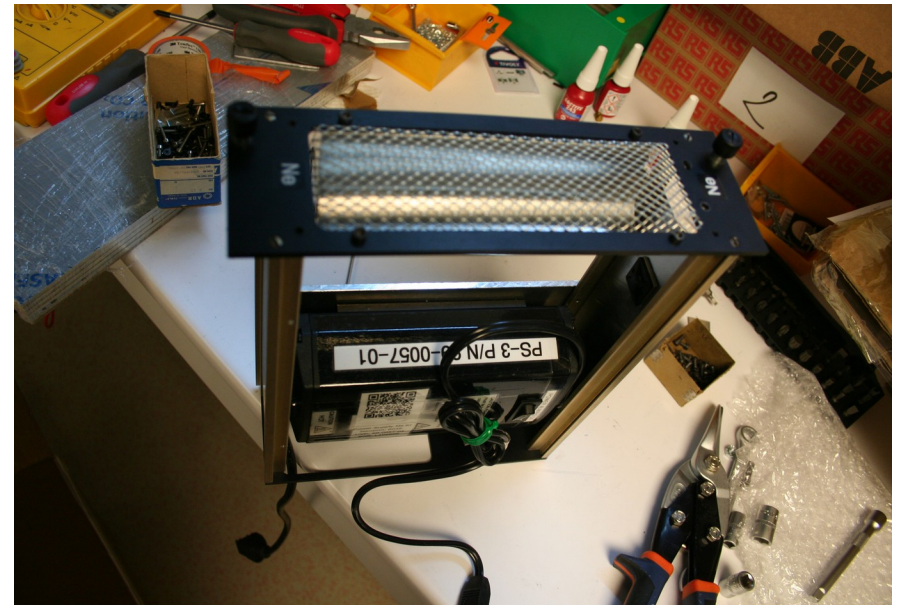
Calibration Lamps

4 sets of arcs + continuum



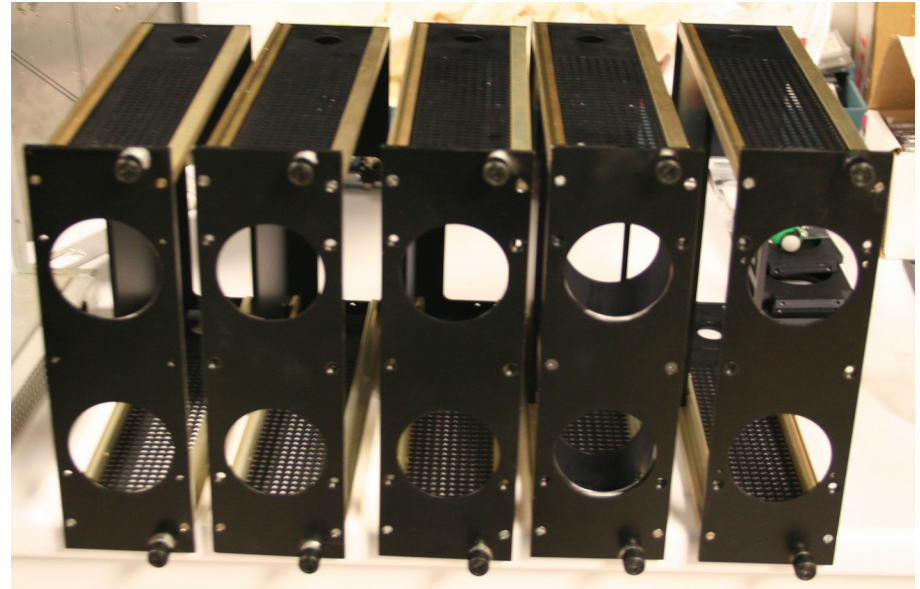
Already delivered

- 4 racks with a 8-slot PDU, validated on the new ring
- 25 drawers with HgAr, Xe, Kr, Ne spectral lamps HV power



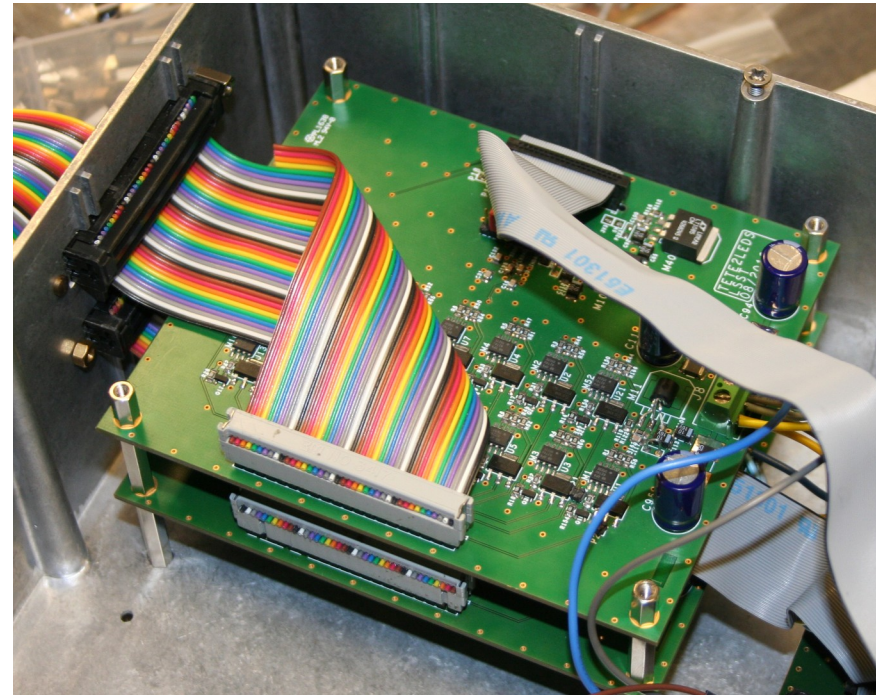
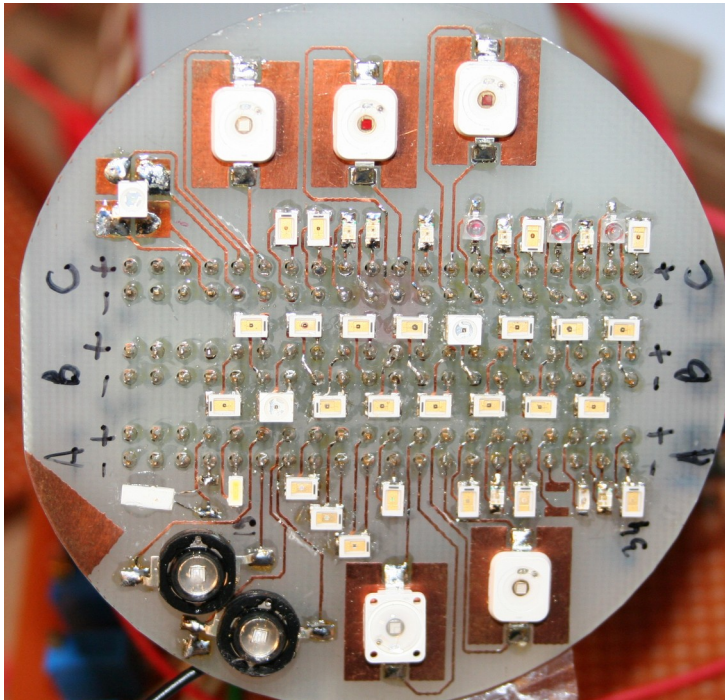
Continuum: halogens lamps

- **Halogen lamps + color balancing filter** (less red)
- **Final assembly ongoing**, we will finish in the coming days
- To be sent **next week with DHL**
- **4 boxes to be sent, with spares**
- 1 box stays for extra tests
to be sent later (spare rack)

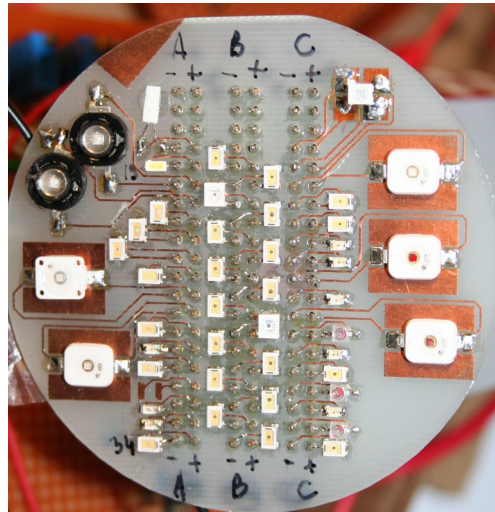


Continuum: extra drawers with LEDs

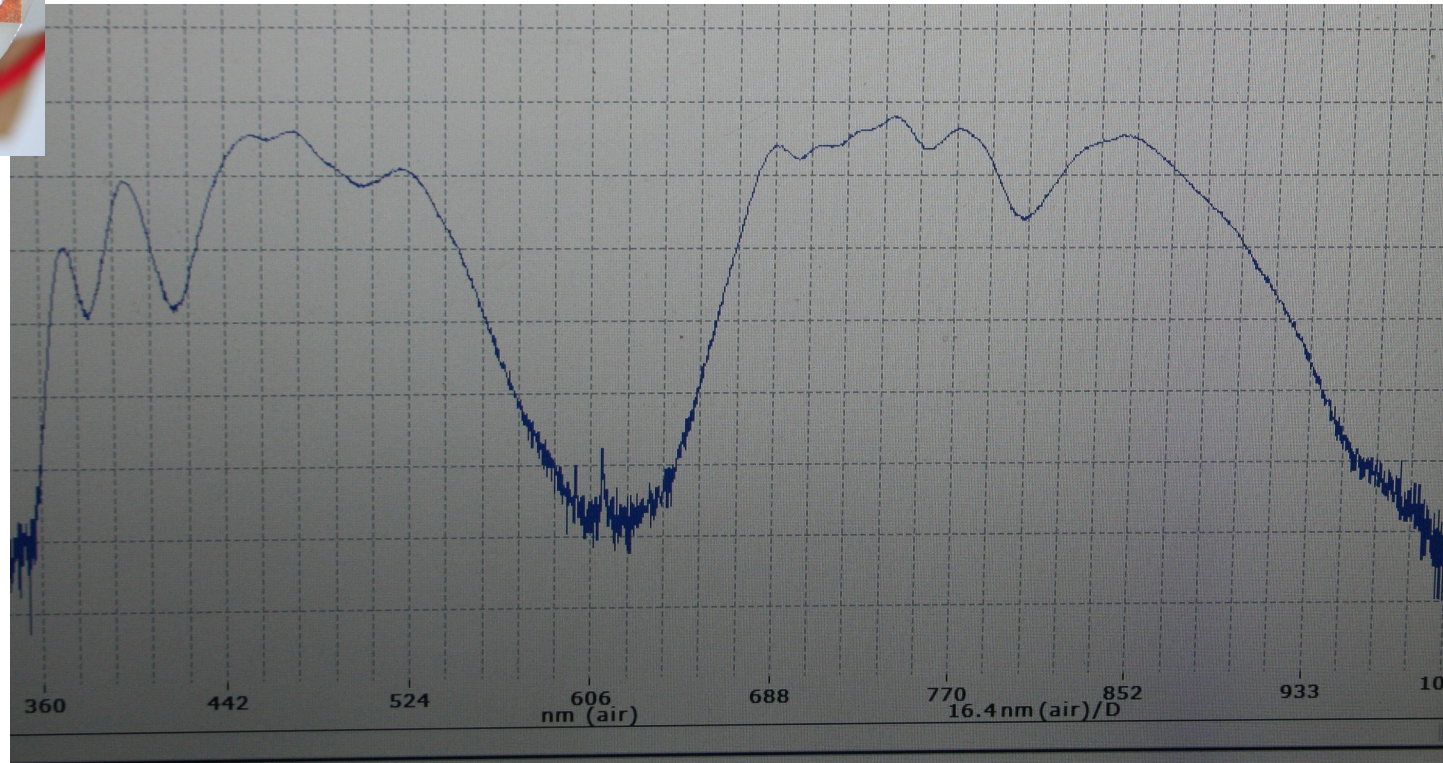
- Concept : produce a **flat continuum** using a **combination of LEDs from 355 to 1050 nm**.
- Prototypes developed for StarDICE



Continuum: extra drawers with LEDs



Below : Connected : Only from 360 to 540
and from 660 to 900 nm



Dark Energy Spectroscopic Instrument

Laurent Le Guillou (UPMC/LPNHE)
DESI Spectrograph Telecon – Nov 21st, 2017

Continuum: extra drawers with LEDs

Developping the final version with around 60 LEDs to cover from 350 nm to 1050 nm
→ Extra drawer of half width

