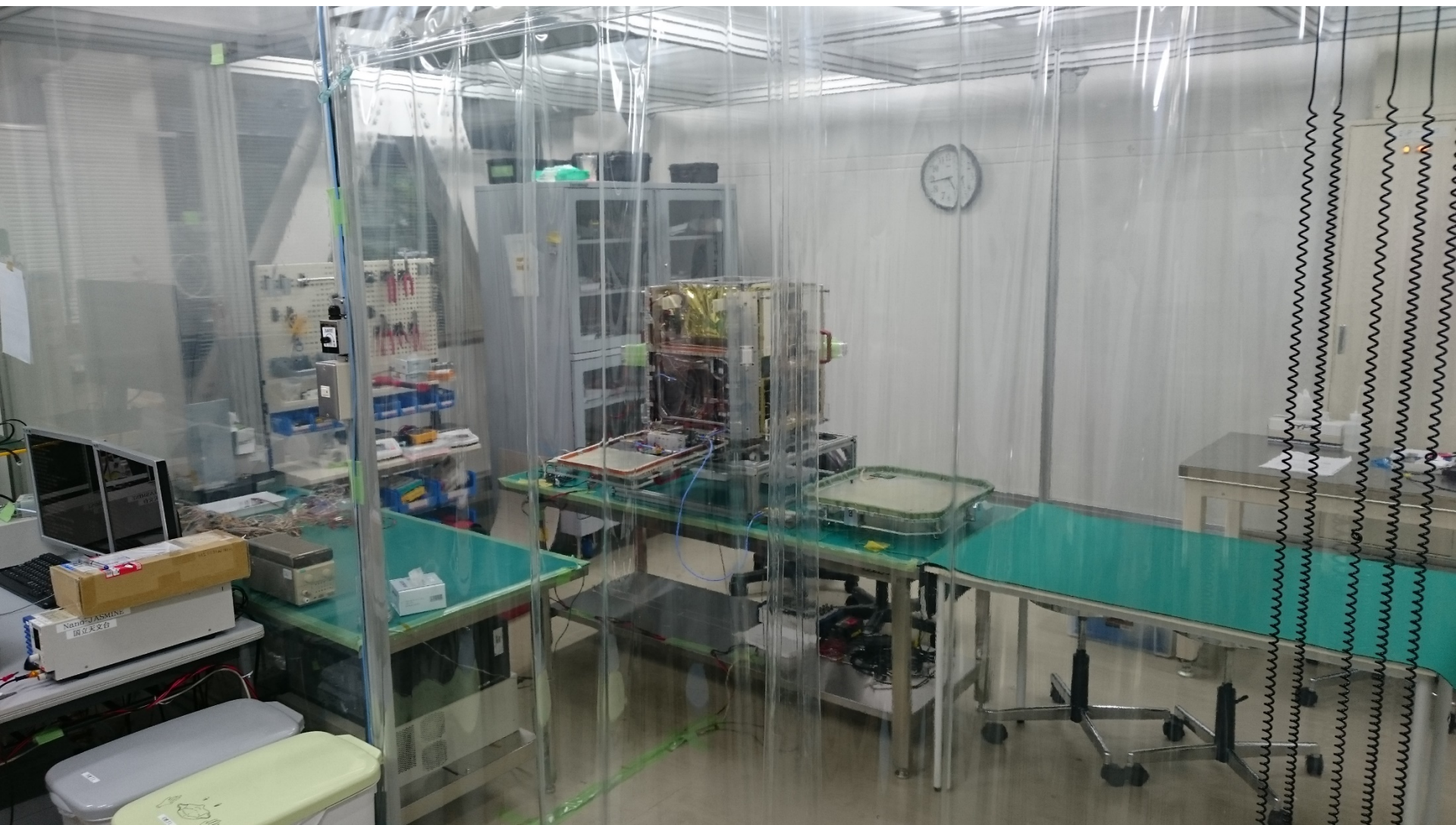


Gaia validation by Nano- JASMINE data

Yoshiyuki Yamada

Nano-JASMINE status

- Present launch date: late 2017 as piggy back of CHEOPS
 - ESA Decision will be on Feb, science program committee. All participating country should agree for getting the NJ launch opportunity. Wil and Uwe are helping us.
 - The technical discussion has almost completed with NJ Project manager (Dr. N. Sako) and CHEOPS PM (Dr. F. Safa / Dr. Nicola Rando). Remaining is launch vehicle depending part.
 - We will start discussion of contract with NAOJ – ESA. International coordination (Dr. Fabio Favata) will visit Japan in the beginning of Dec.
- Satellite is waiting for launch.

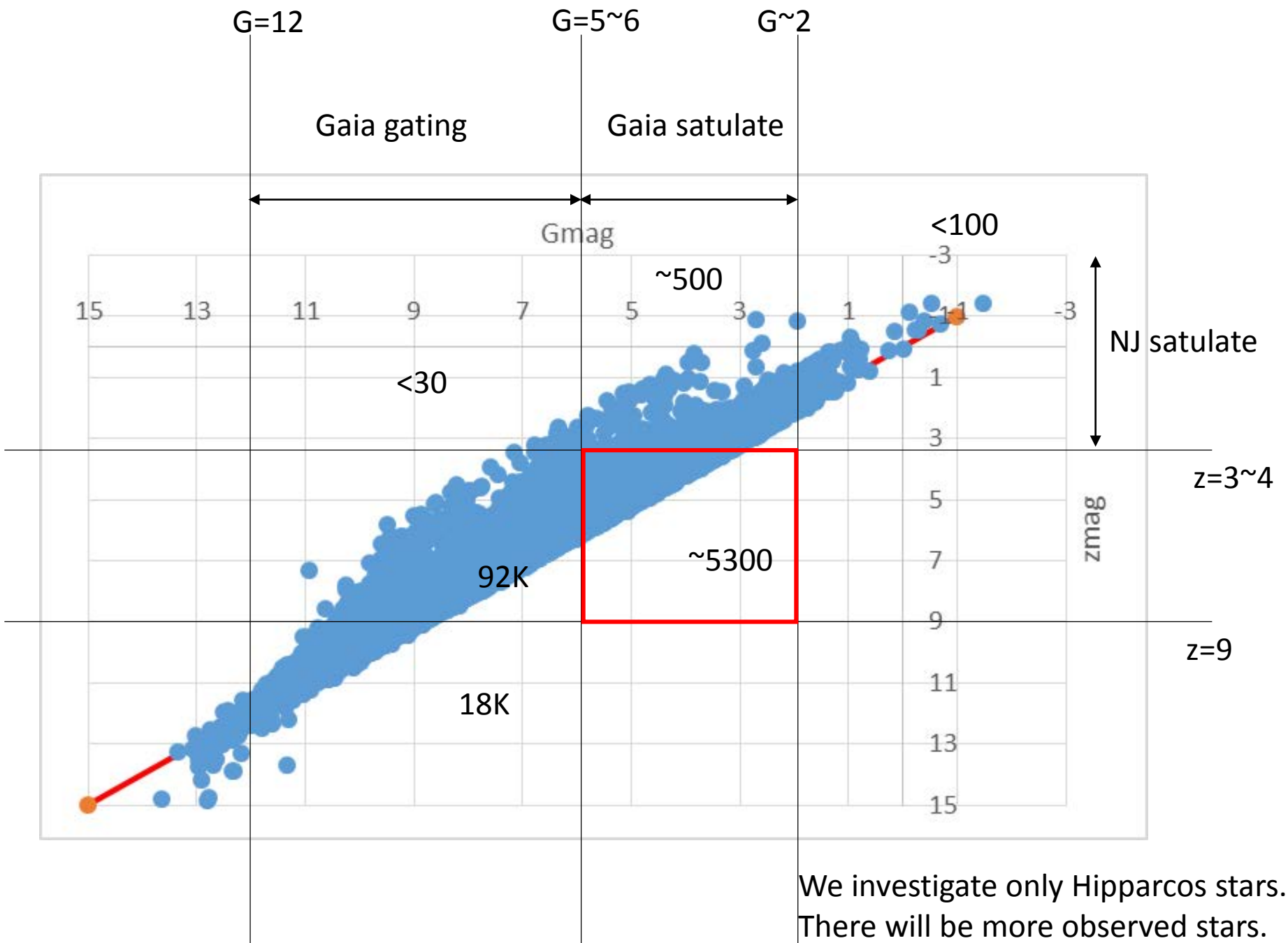


NJ-Gaia collaboration

- Collaboration starts at 2007 IAU 248.
- I attend AGIS meeting almost every time since 2010.
Also CU9 plenary twice, and CU3 plenary once.
- Kyoto University is one of the partner of GENIUS.
- AGIS application to Nano-JASMINE has been investigated mainly Lund and ESAC team.
- AGIS members continuously give us suggestions.

NJ data for Gaia validation

- Bright star
- System modeling
- All sky catalogues with less accuracy.



System modeling

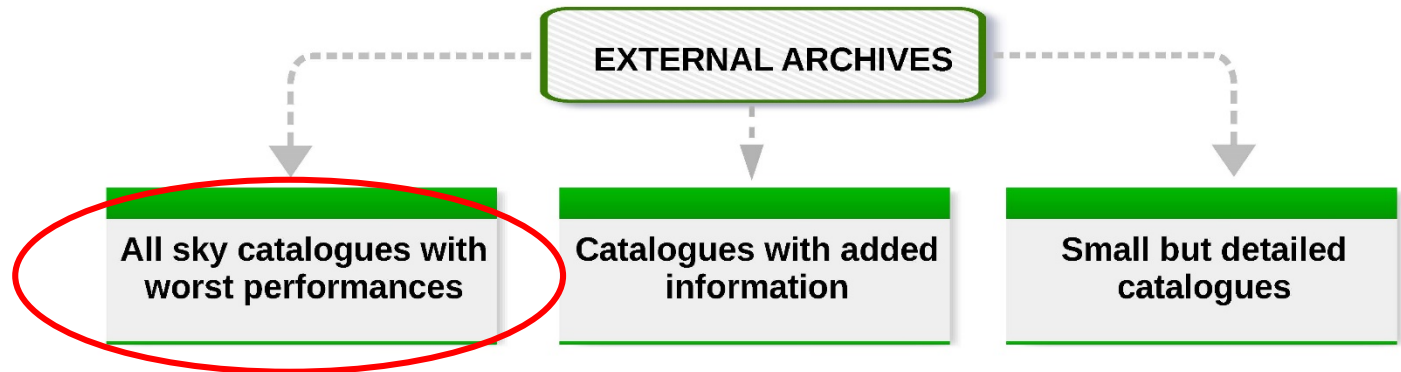
- Nano-JASMINE is the university made satellite.
- There are “no” industry restriction in design and implementation.
- If there are some troubles, we will have design and specification of the satellite system easily, which will be useful for update systems model.

As all sky catalogues

WP944 Specificity

Laura's presentation
(splinter Thursday)

Gaia has **no other comparable all-sky survey** with the same angular resolution and multiple star discovering power



! Checking both Gaia & the external catalogue

! Checking the cross-matching algorithm

Announcement 1

- Gaia-NanoJASMINE validation meeting in Japan
- Oct 2016 is planned
 - After Gaia 1st data release
 - Not so close to Nice IAU meeting.

Announcement 2

- We start NAOJ data center as a affiliate data center of Gaia.