



P  
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F  
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S  
pectrograph

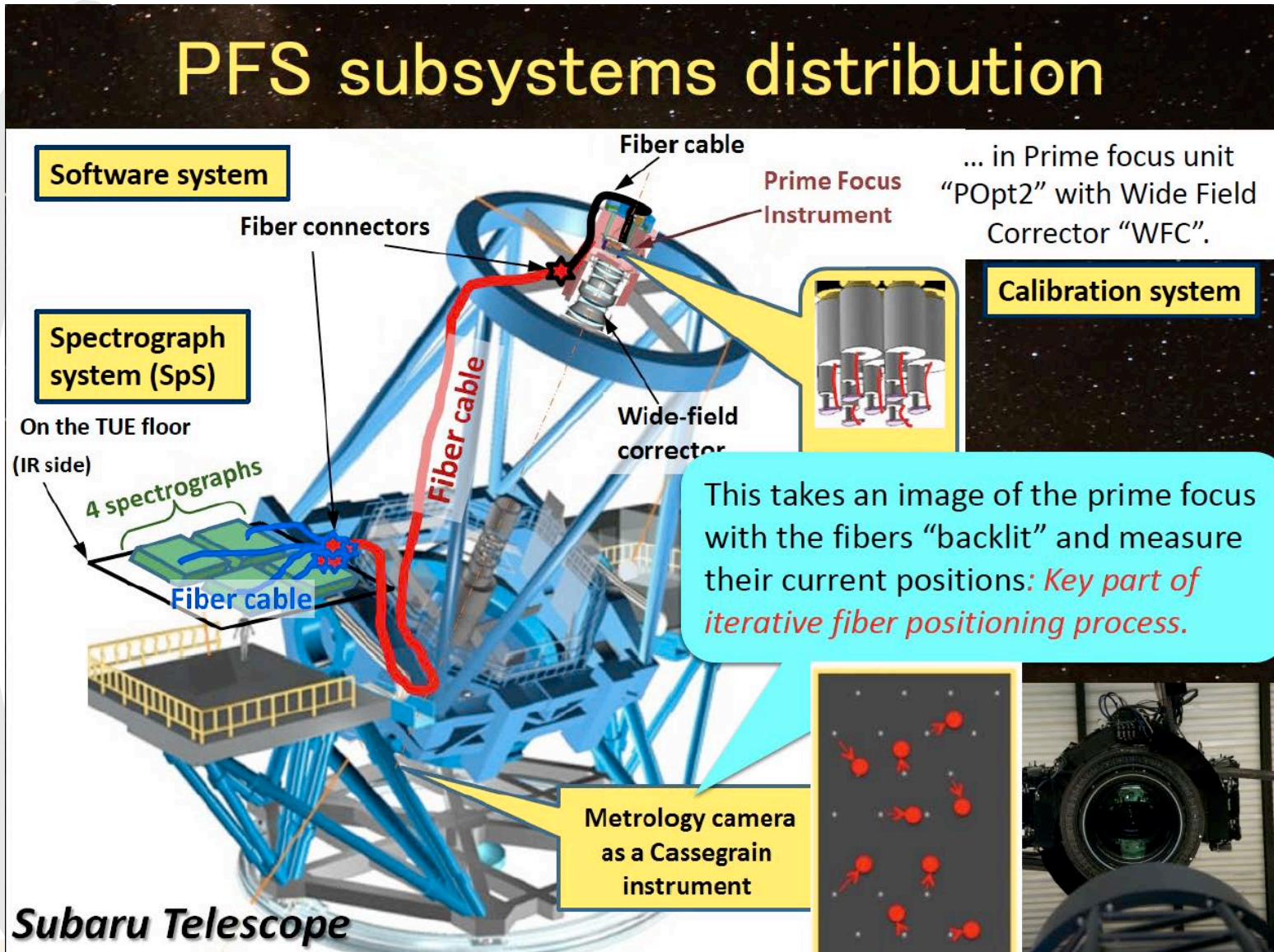


# PFS SpS activities and schedule

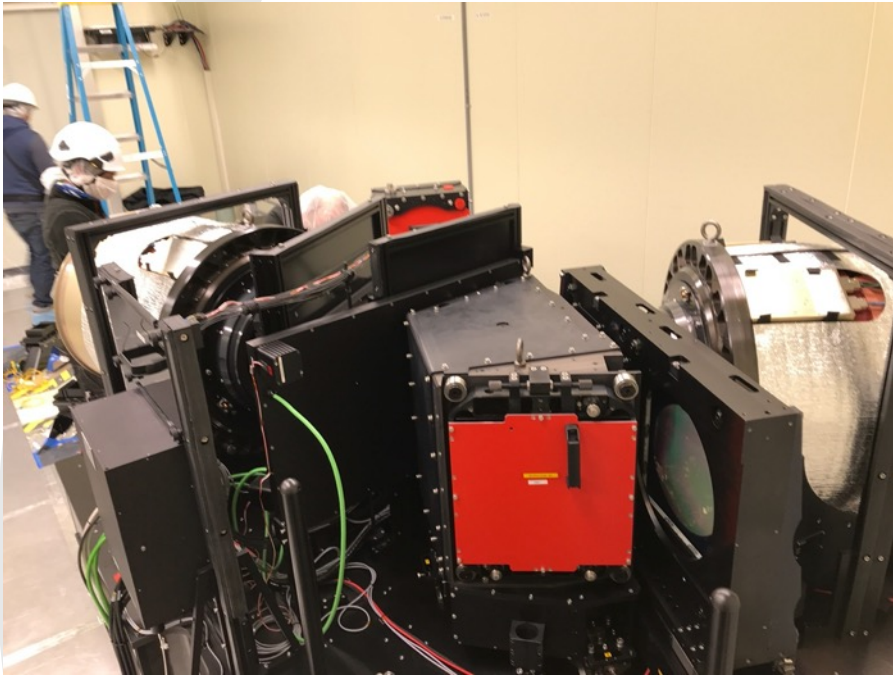
<https://pfs.ipmu.jp/>

[https://www.instagram.com/pfs\\_collaboration/](https://www.instagram.com/pfs_collaboration/)

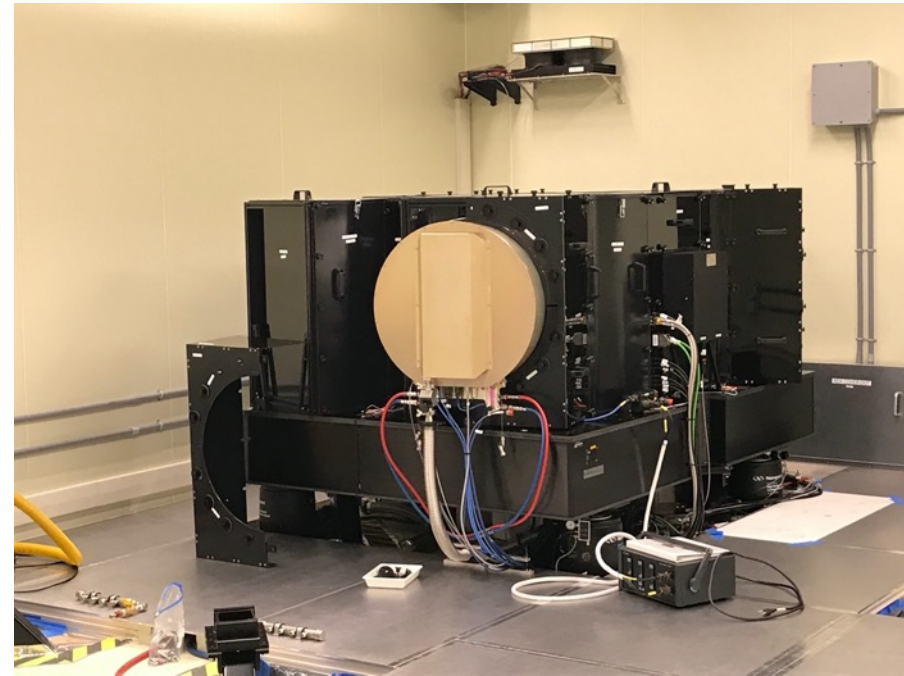
2020/09/23



# SM1(B+R) is in Hawaii



<https://www.youtube.com/watch?v=S4NzpPkiJ-k>



# SM1(B+R) was checked at LAM

F. Madec  
R. Barette  
T. Crauchet  
P. Blanchard  
K. Dohlen  
M. Jaquet  
Ph. Balard  
JA Benedetti  
D. Le Mignant

+

F. Roman

+

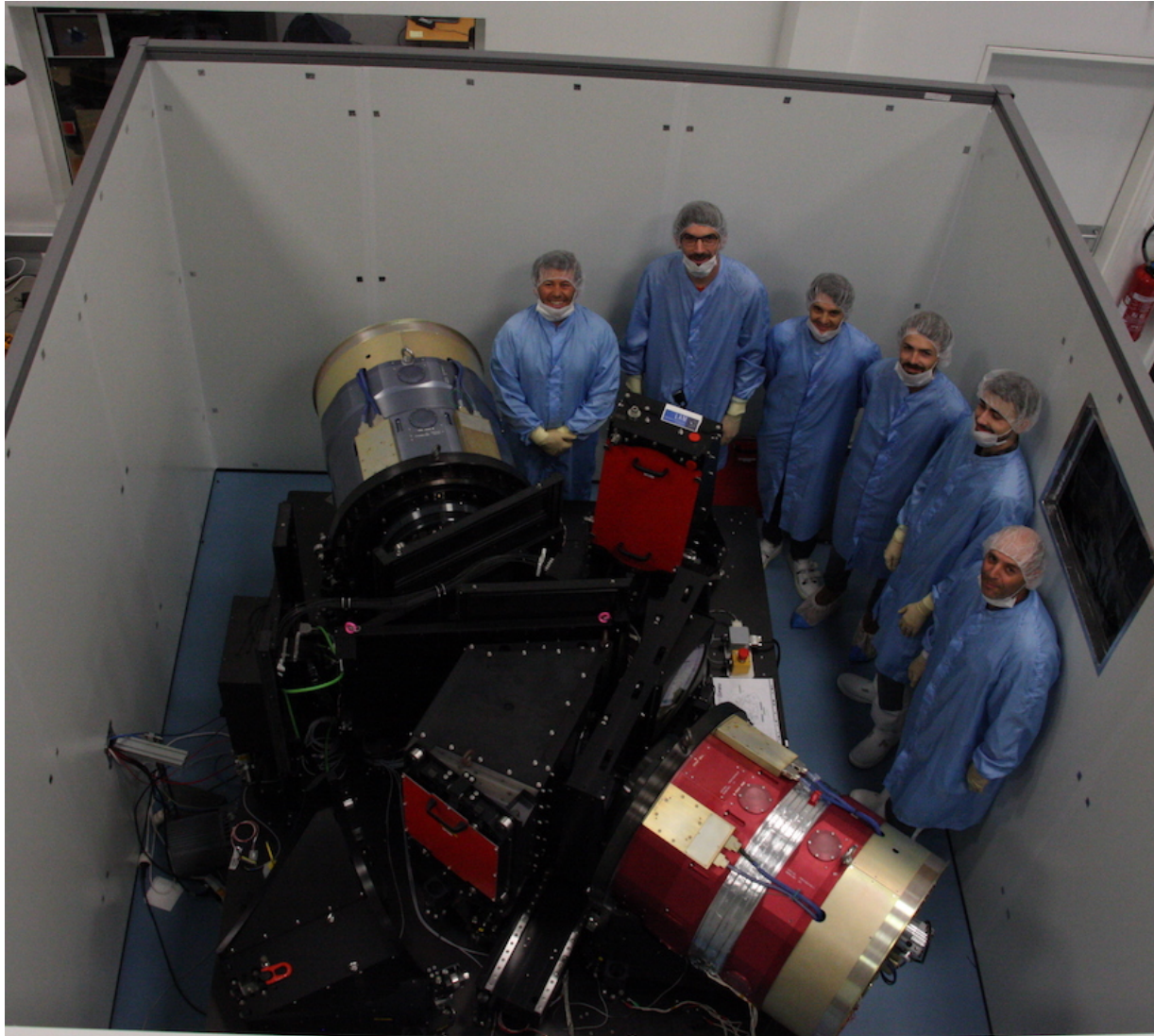
H. Dubois

+

A. Le Fur

And

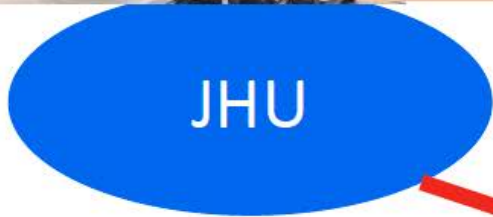
many other contributors





N1-4  
B3-4, R4

# SpS – Logistics



JHU

- Dewar
- Detector
- Electronics
- Software
- Documents

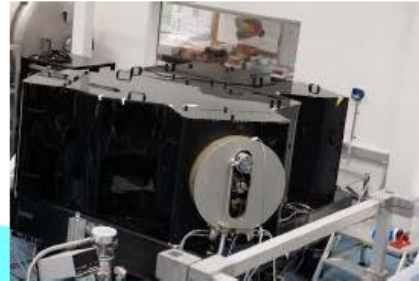


Subcontractor  
(FRA)

- Opto-mechanics subassembly
- Documents

SM4

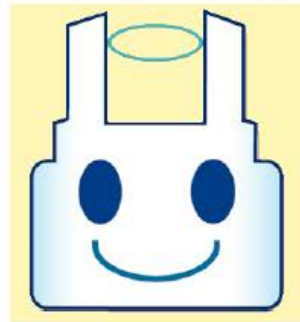
SM2  
SM3



LAM

- Spectrograph Modules (SM)
- Documents

SM1 BR

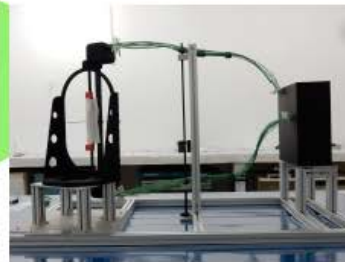


Subaru

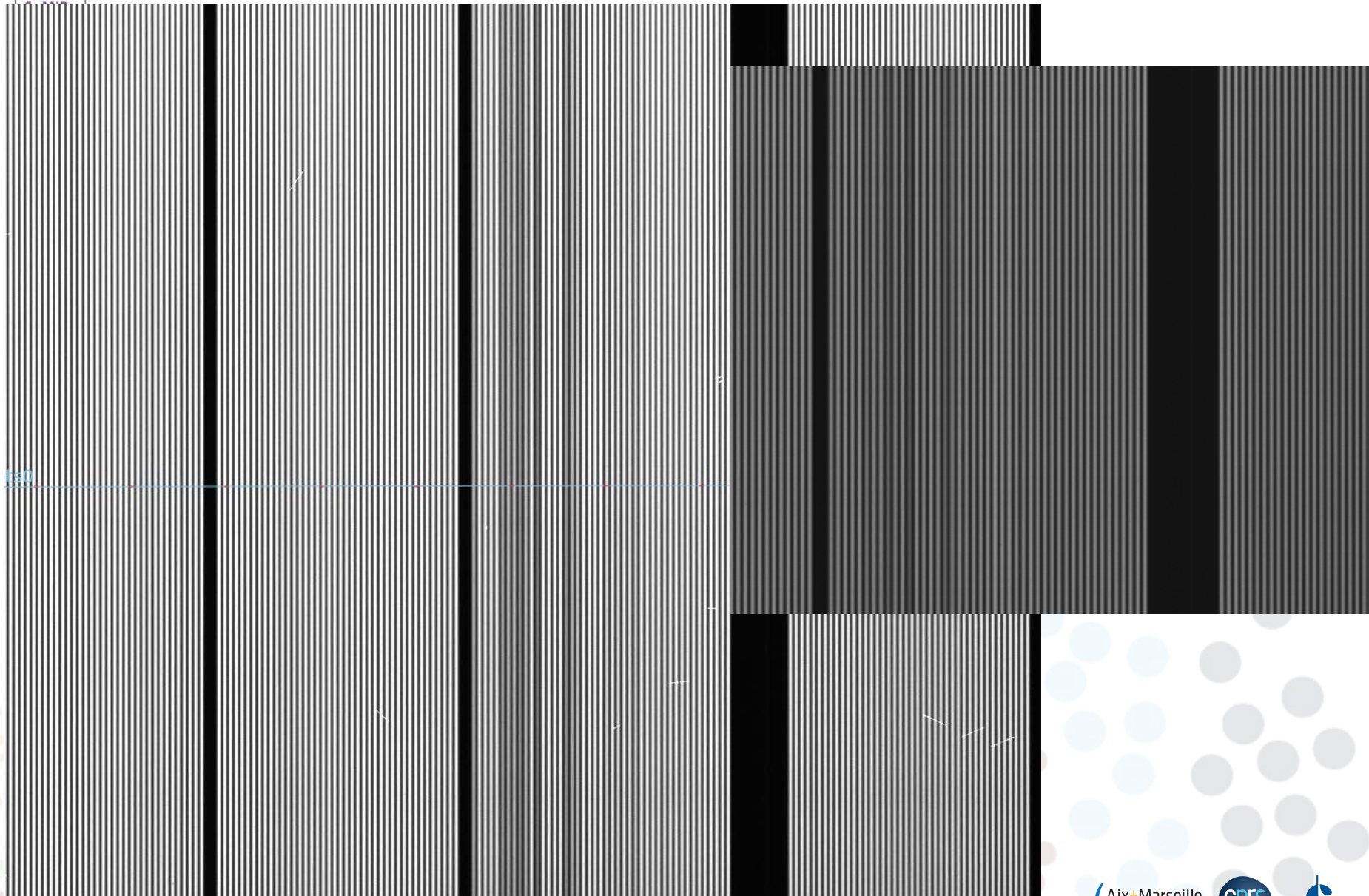


LNA

- Fiber Cable A
- Documents



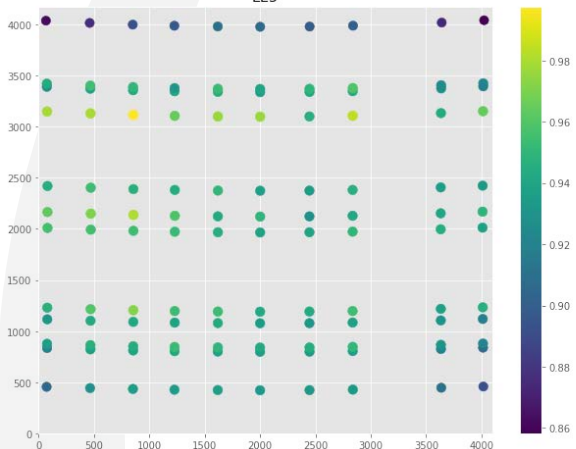
FCAs for SM3 & SM4



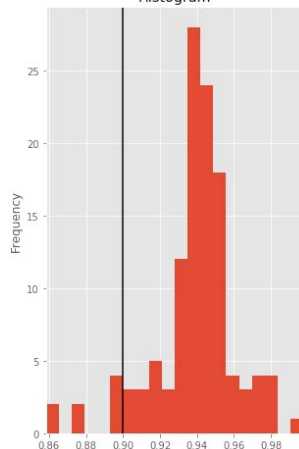
# SM1 Red LowRes and MedRes

SM1 Subaru r1 Expls 2605 2606 argon neon  
doBckTrue best  
93.3% of peak have a EE5 > 0.9

EE5

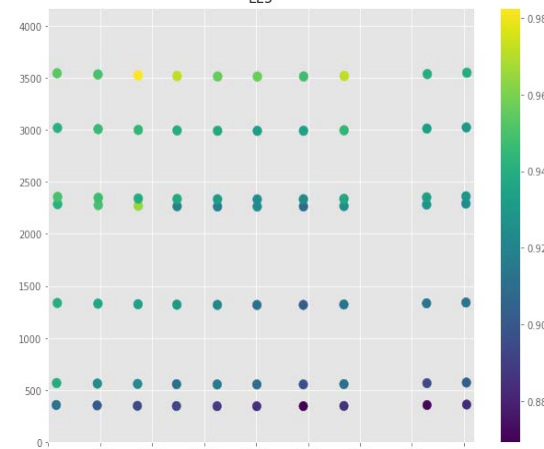


Histogram

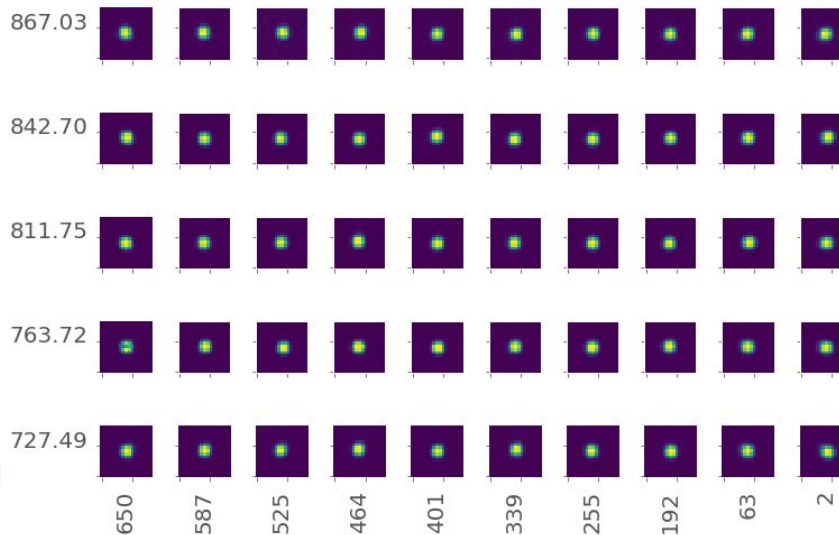
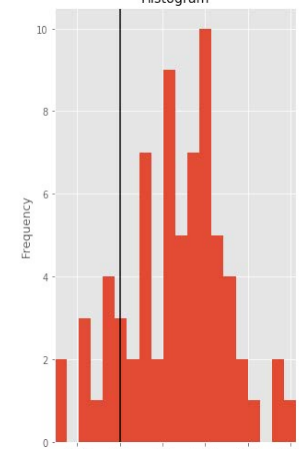


SM1 Subaru m1 Expls 2595 2596 argon neon  
doBckTrue best  
85.7% of peak have a EE5 > 0.9

EE5



Histogram



Subsystem delivery to Subaru and re-integration & test

Operation for scientific use

“SM-N”: Nth Spectrograph Module  
“MCS”: Metrology Camera System  
“PFI”: Prime Focus Instrument  
“CAB-N”: Nth Fiber Cable on Telescope

MCS  
(Apr)

SM-1-Vis  
DEL&AIT  
(Dec-Apr)

CAB-1  
DEL&AIT

SM2-Vis  
DEL&AIT

CAB-2,3,4  
DEL&AIT

PFI  
DEL&AIT

SM-3  
DEL&AIT

SM-1-NIR  
DEL

SM-4-Vis  
DEL&AIT

SM-2-NIR  
DEL

SM-4-NIR  
DEL

2018

2019

2020

2021

2022

2023

E-run 1  
(Oct)

E-run 2  
(Aug)

Construction, integration & test  
of the subsystems

System integration & test

Commissioning &  
stabilization