



NOBEYAMA STATUS 2

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1. Paper **citation** statistics
2. **SAM45** (spectrometer) problem
3. Change of the **observing room**
4. **Water leakage** problem

(1) CITATIONS OF NOBEYAMA 45-M PAPERS

- **Historical** papers

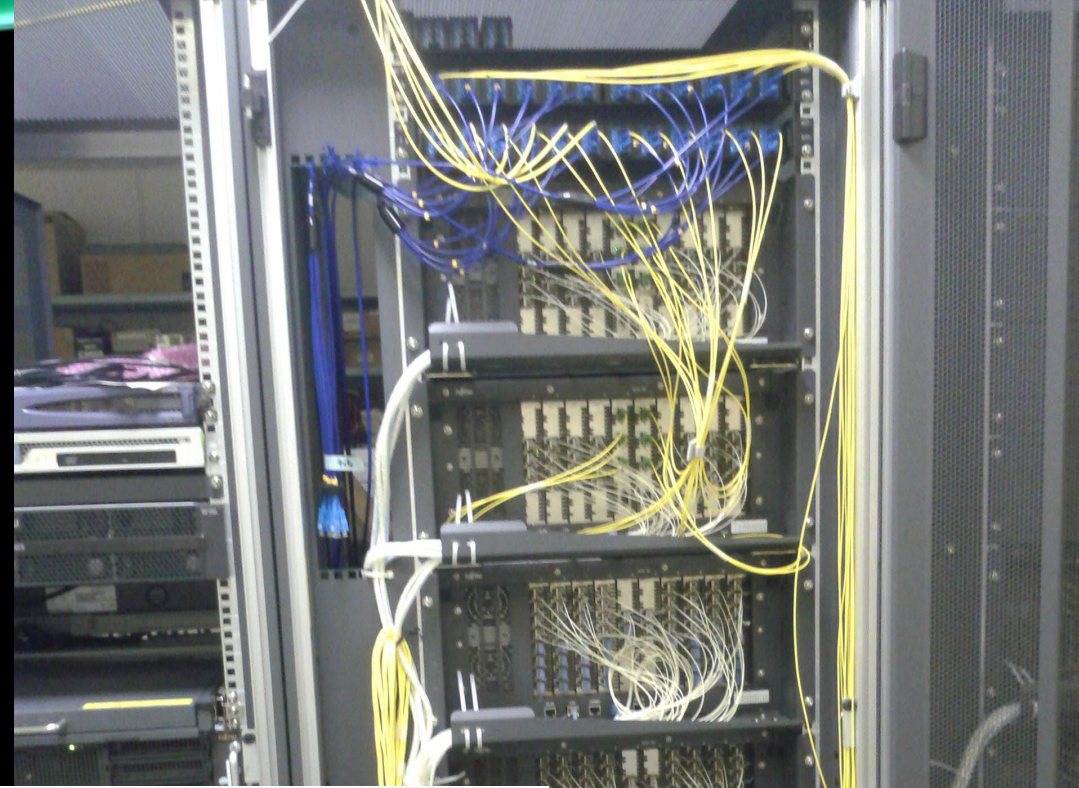
• Hiroko Suzuki (1992)	319
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(1) CITATIONS OF NOBEYAMA 45-M PAPERS

- Papers published in **2007-2016**
 - Nario Kuno (2007, Legacy) 165
 - Nami Sakai (2008) 156
 - Jin Koda (2009, CARMA+45) 151
 - Sachiko Onodera (2010, Legacy) 148
- Papers published in **2017-**
 - **Tomofumi Umemoto (2017, Legacy) 107**
 - Shu Kong (2018, Legacy, CARMA+45) 59, 5yr_expected=64
 - Kazuo Sorai (2019, Legacy) 30, 5yr_expected=49
 - Atsushi Nishimura (2018, Legacy) 38, 5yr_expected=40
 - Fumitaka Nakamura (2019, Legacy) 26, 5yr_expected=40
 - Ken'ichi Tatematsu (2017) 36

(2) SAM45 (SPECTROMETER) PROBLEM

- **Unstable**
- We tried
 - software update
 - power supply replacement
 - optical fiber connector cleaningbut have not fixed problems yet.
- It is the single-point-of-failure, and our biggest concern



国立天文台野辺山 @NAOJ_Nobeyama · 11月21日

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土曜の夜から発生していた #45m望遠鏡 の障害は解消し、今晚より観測を再開します。観測者の方にはご迷惑をおかけし申し訳ありません。電波分光計SAM45の故障が原因でしたが、電源モジュールの交換等により、現在は復旧しています。

#国立天文台野辺山



(3) Change of the Observing Room

←45-m Building

(office + observing room)

45m電波望遠鏡

筑波大学 山岳
科学センター 八ヶ岳・...

自然科学研究
機構 野辺山展示室

カナディアンロッキー

天理教 本...

国立天文台 野辺山
宇宙電波観測所

←Main Building (closed in 2019)

国立天文台
野辺山 守衛所

三重海軍航空隊

野辺山派遣隊駐屯地

Google

OLD OBSERVING TERMINALS

OVERLAPPING OF OBSERVERS AND THE STAFF



**NOW 45-M BLDG. IS USED
ALSO FOR THE **STAFF OFFICE****





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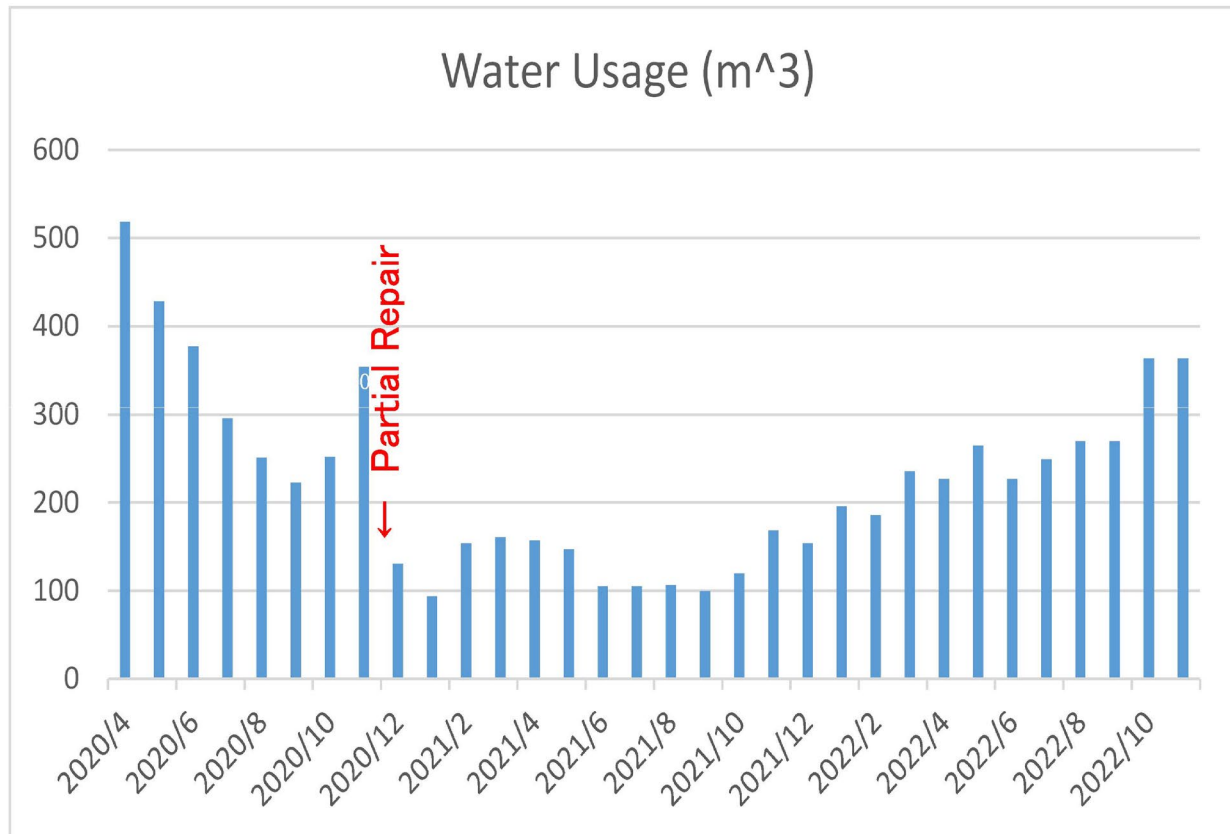
2F of 45-m Building

2階 479㎡

NEW OBSERVING ROOM: MUCH SMALLER!



(4) WATER LEAKAGE PROBLEM



We are **asking** the NAOJ top management **for the budget** to fully repair the water supply line.



END