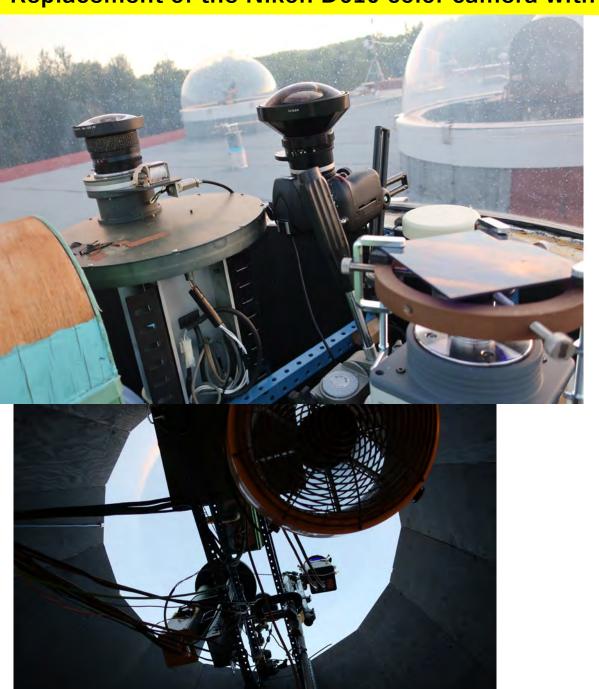
August 30-September 6, 2022, Athabasca report (Kazuo Shiokawa, Takuma Tsuboi, and Yuto Kato)

- NIKON D40 camera (C001) was replaced to a new one. The shutter of the old one was broken after ~3 year operation.
- We installed a WATEC camera (W005, OH-band, 1-s exposure), a ZWO camera (Z007, OH-band, 50-s exposure), and a Nikon D610 (C001, visible color) at AUGO-I in the Athabasca University Campus to make triangulation measurement of aurora during the 5-day stay. We have succeeded to observe STEVE and active pulsating auroras on September 3.
- We repaired the riometer antenna at AUGO-II (AUGSO). The antenna pole was bent due to animal hit (moose?). The antenna element was not cut. So we re-tied the stay wire of the antenna.
- We repaired the two stay wires of the LF antenna of Tohoku University at AUGO-II (AUGSO).

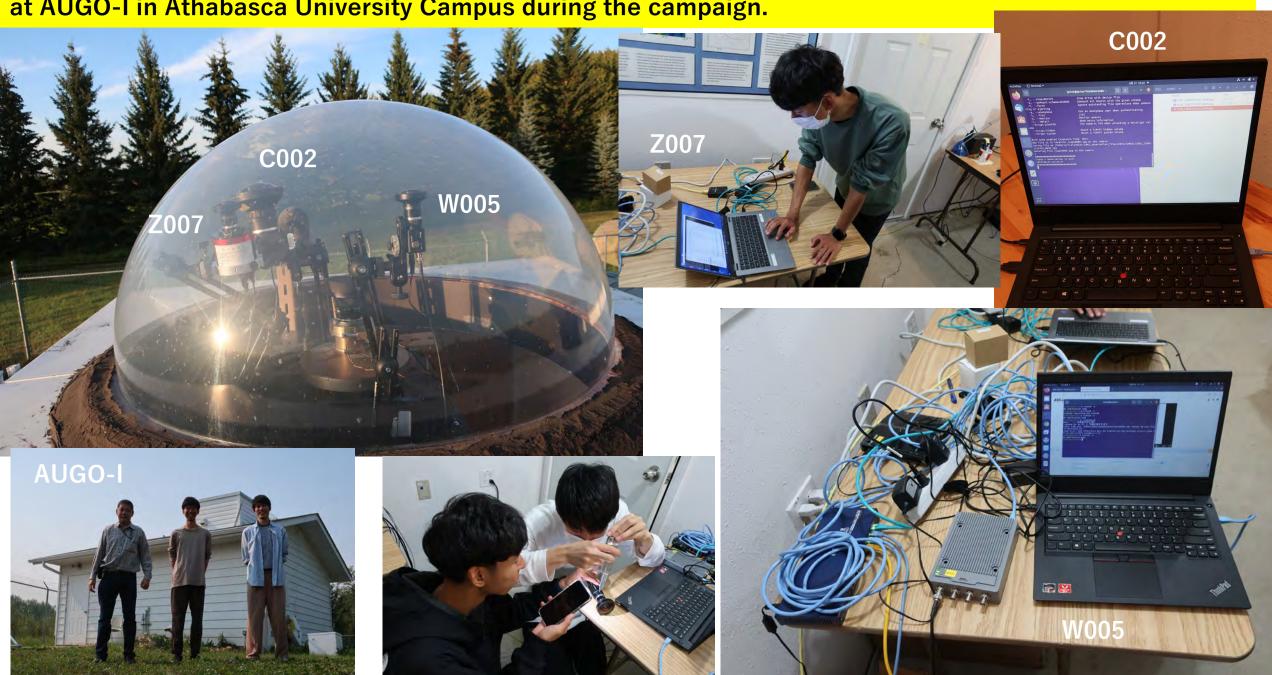
Replacement of the Nikon D610 color camera with fish-eye lens (C001)

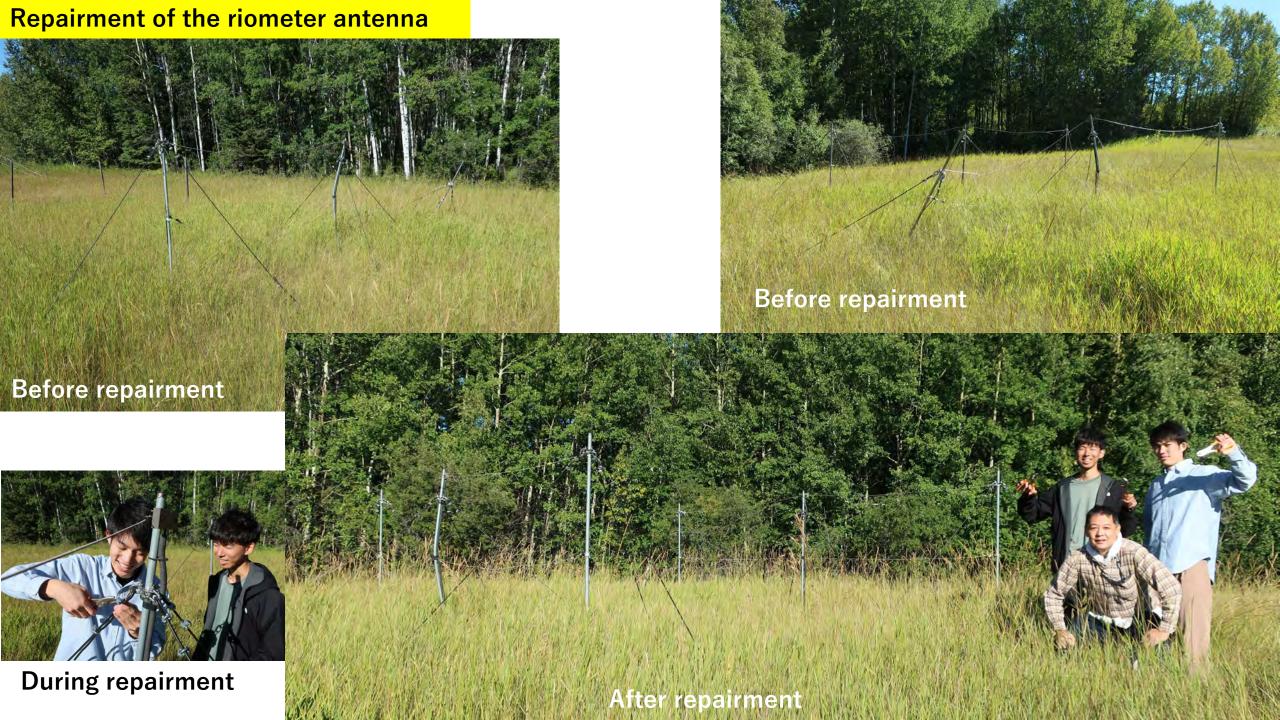


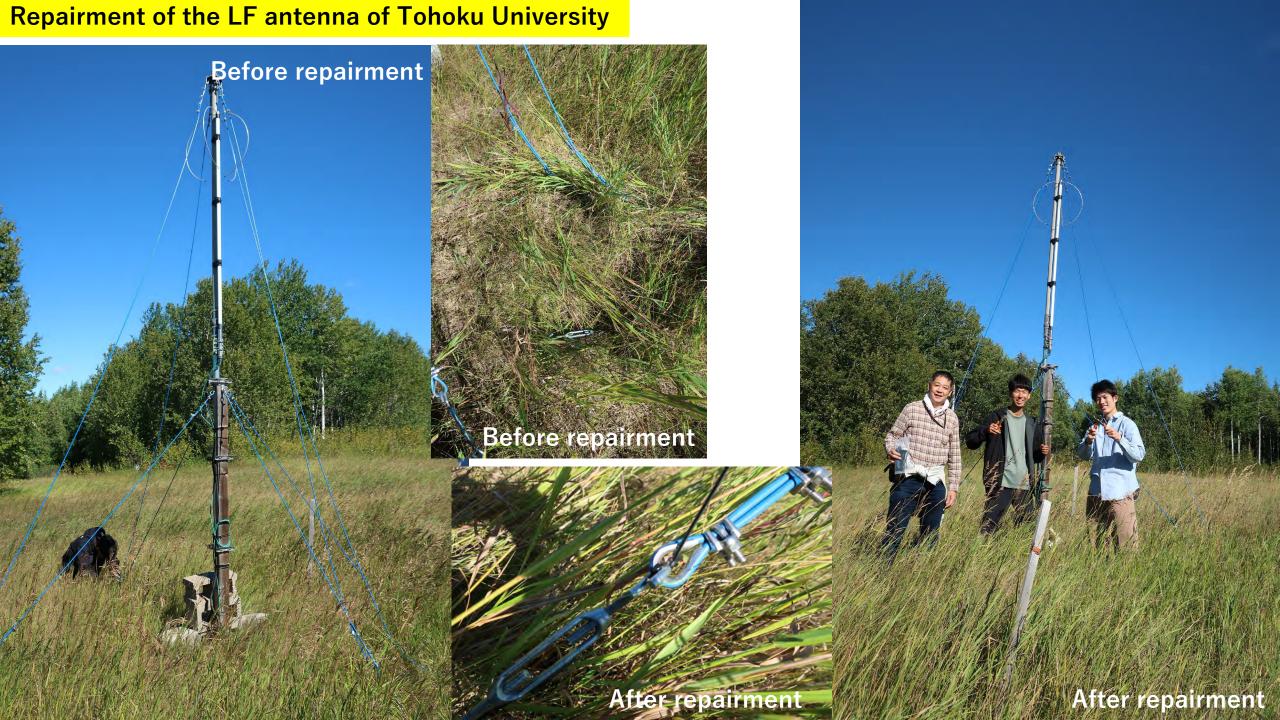




W005(OH-band, 1 sec exposure), Z007 (OH-band, 50 sec exposure), Nikon D610 (C002, 30 sec exposure) at AUGO-I in Athabasca University Campus during the campaign.













NIKON D40, fish-eye lens 8mm/F2.8, exposure 30s, ISO: 1600, size: L





F2.0, exposure: 15 sec, ISO:

1600, size: M

Morning purple auroras (Sept. 3, 2022, 10:00-11:20UT)



Canon G9X, F2.0, exposure: 15 sec, ISO: 1600, size: M

NIKON D40, fisheye lens 8mm/F2.8, exposure 30s, ISO: 1600, size: L



