

Fig. 1: The Tianlai cylinder array configuration. (a): The cylinder array seen from East (feed units visible). (b): The cylinder array seen from South. (c): three-dimensional schematic diagram of one cylinder reflector. (d): feed unit configuration and naming convention.

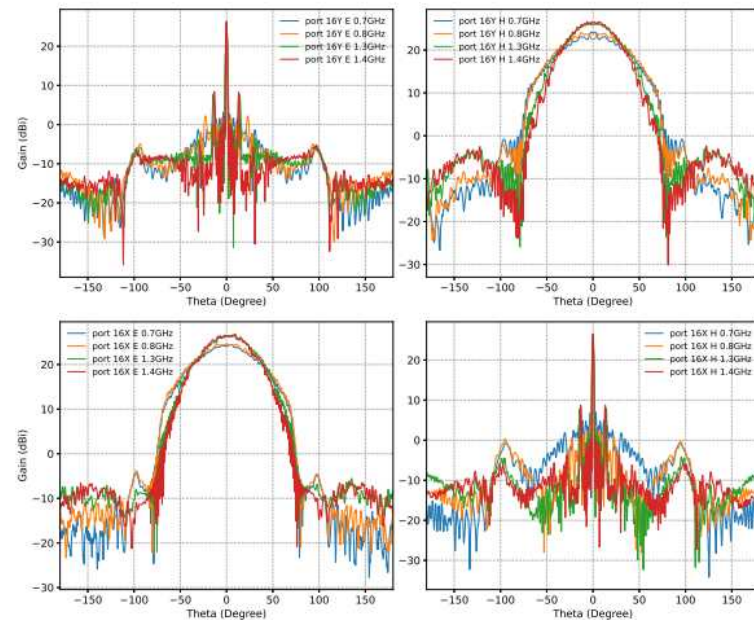


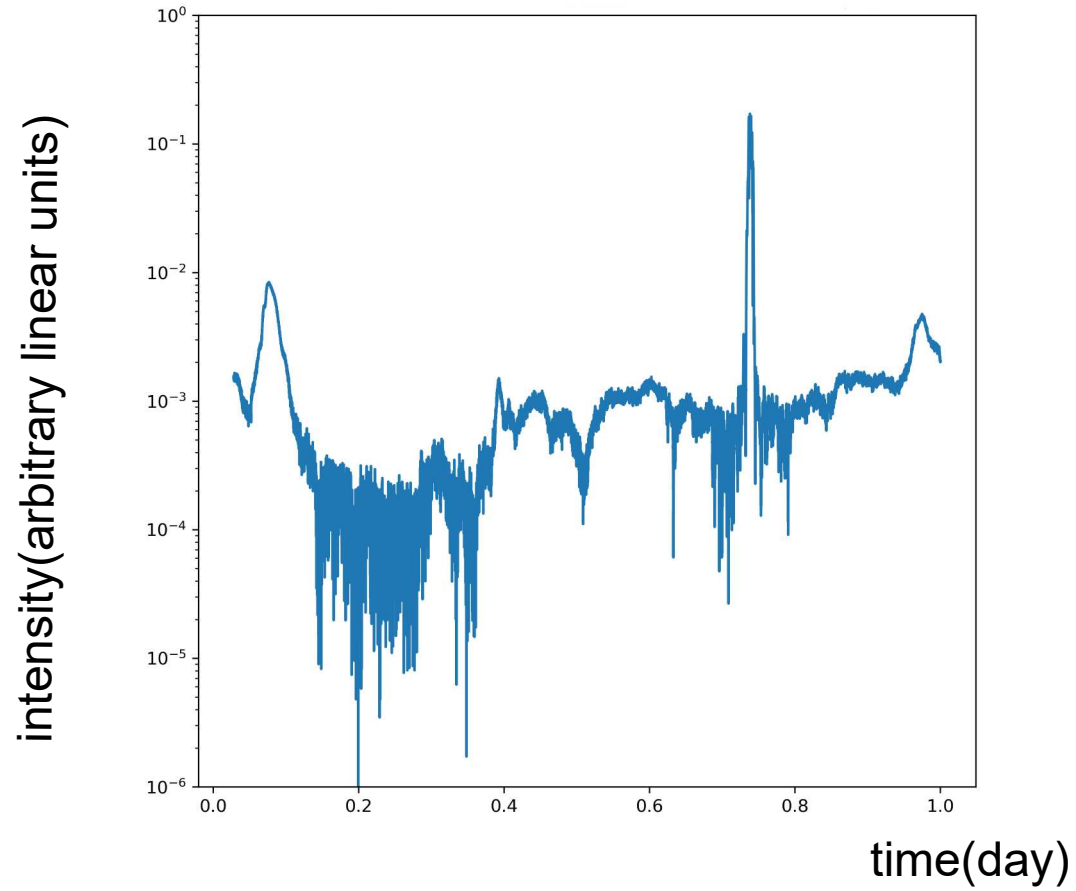
Fig. 13: Simulated radiation pattern for the center feed Y-polarization (top panels) and X-polarization (bottom panels). Left: E plane. Right: H plane.

(Shijie Sun et al.2022)

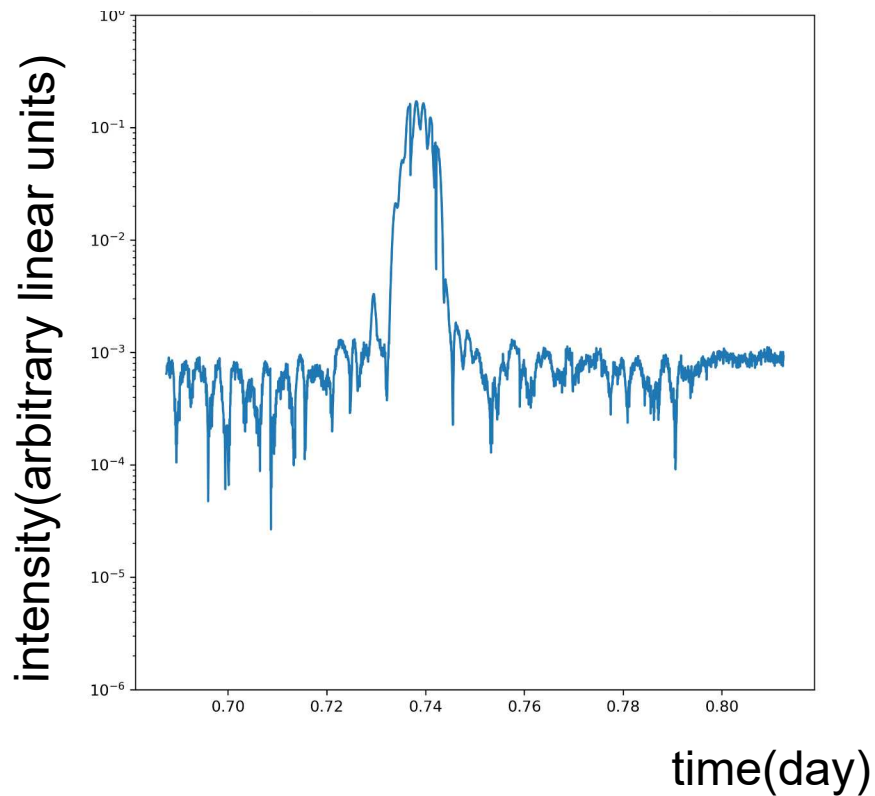
Measure the beam of the Tianlai Cylindrical by using Sun

1. The sun is one of the brightest sources in the sky
2. The Sun moves between the Tropic of Cancer and Tropic of Capricorn

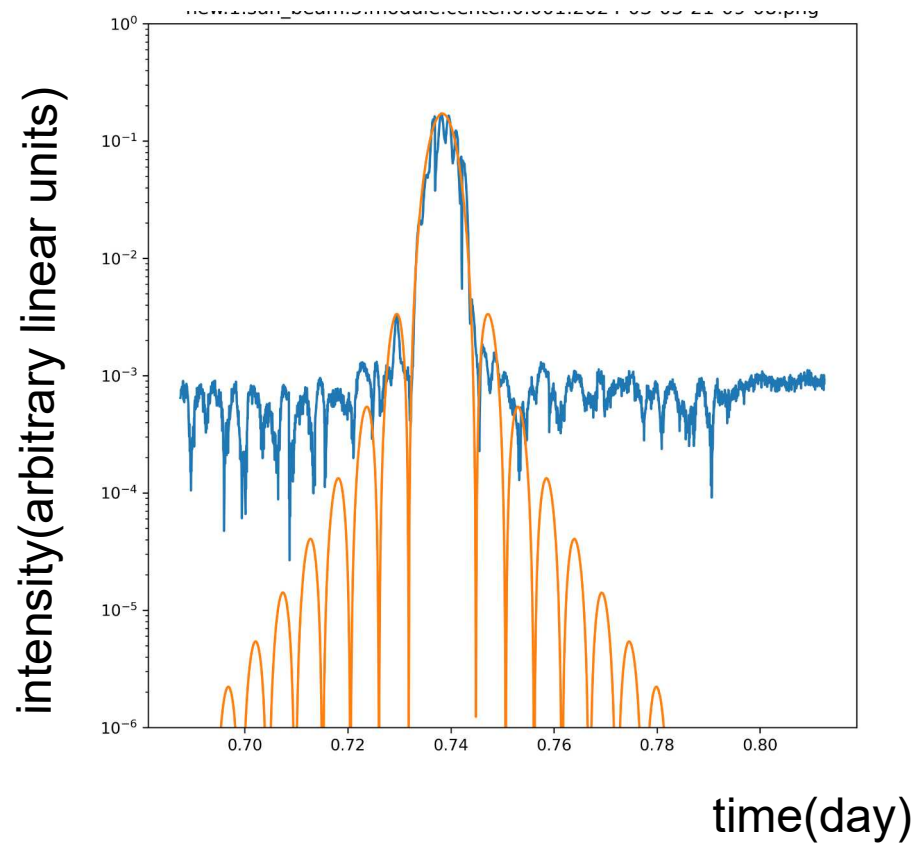
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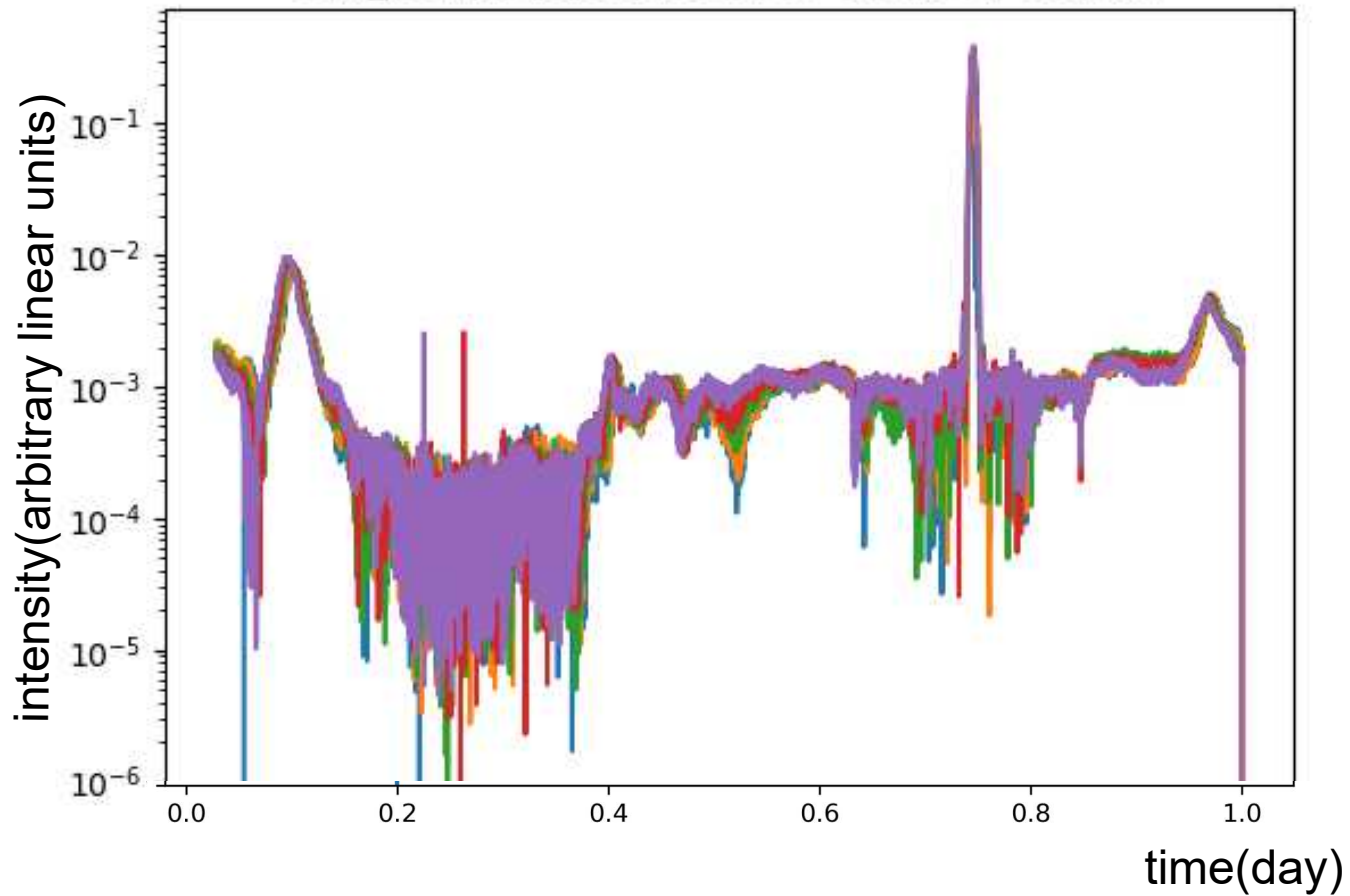
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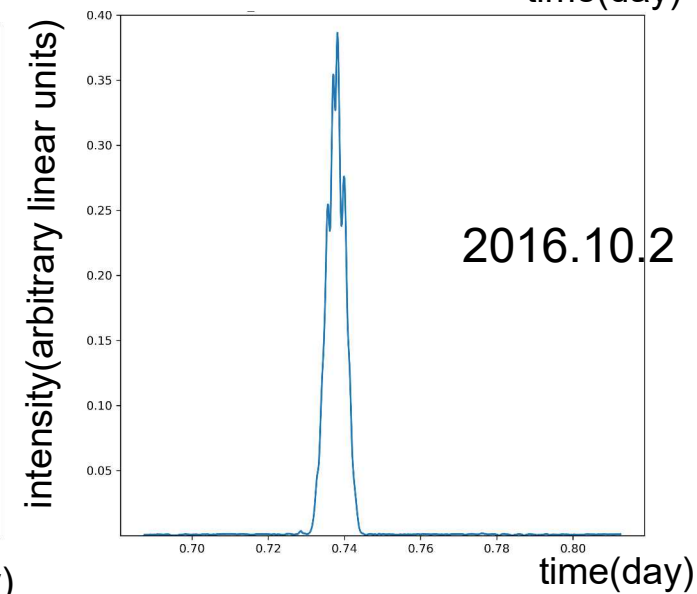
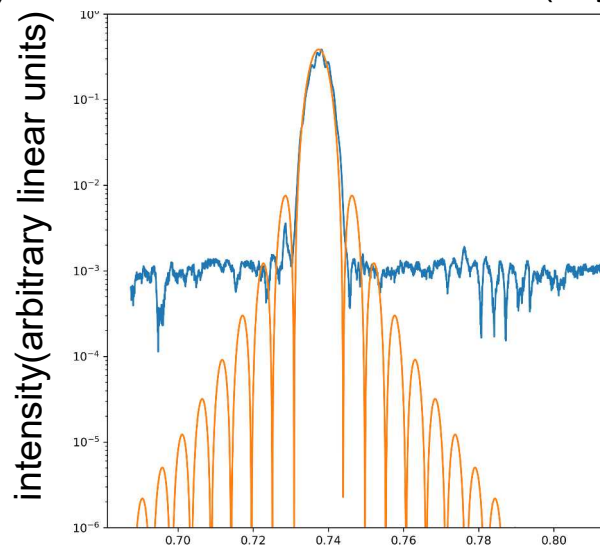
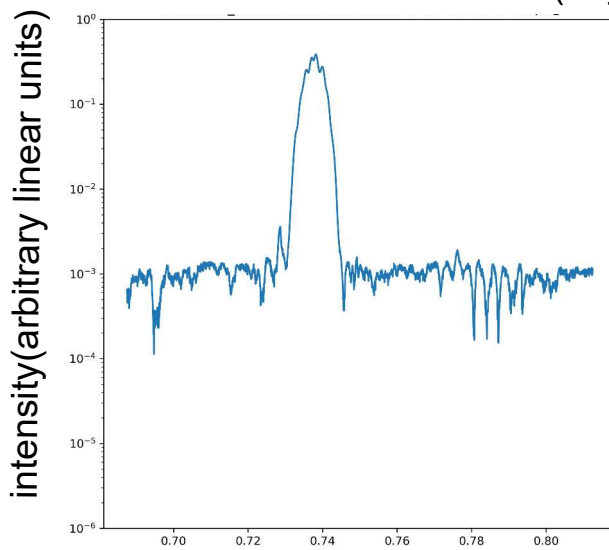
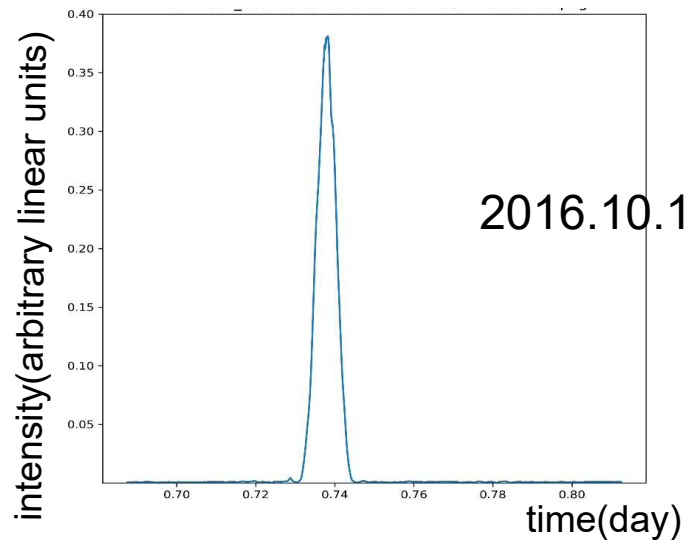
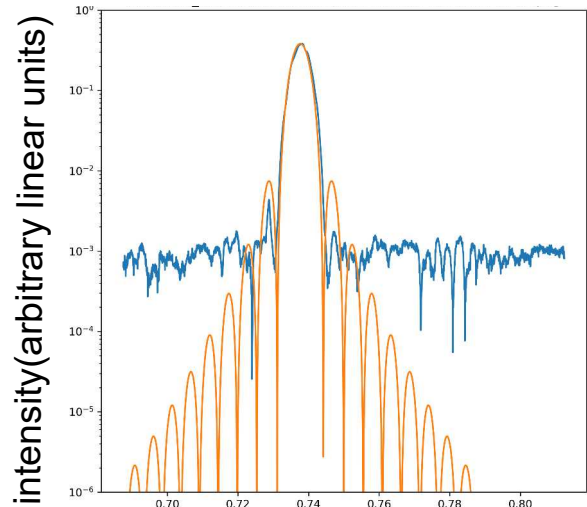
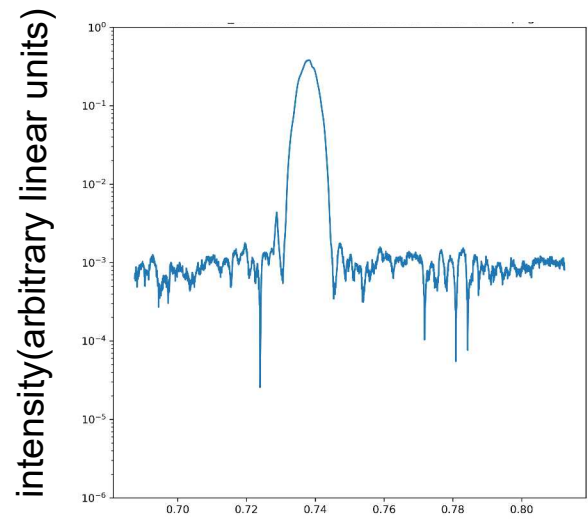


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2016.9.27-2016.10.2





# Mean of the beam of the 5 days

