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[\[天文航太\]中研院天文所與中科院航空所共同開發第一套「東亞接收機前段次系統」完成驗收](#)

中研院天文所與中科院航空所共同開發第一套「東亞接收機前段次系統」完成驗收

由中央研究院天文及天文物理研究所和中山科學研究院航空發展研究所共同營運的「ALMA計畫東亞接收機前段整合測試中心」於2008年12月下旬將第一套「東亞接收機前段次系統」完成驗收測試，並於日前成功運抵南美智利的Atacama大型毫米及次毫米波陣列後勤支援基地。

「ALMA計畫東亞接收機前段整合中心」位於台中，其任務為組裝來自美國、加拿大、日本、法國、荷蘭及英國提供的接收機模組，成為完整的接收機前段次系統，以供給「ALMA-日本計畫」的望遠鏡使用。每一套機組在此中心完成整體驗證性能後，會送到智利的ALMA基地進行安裝。該中心的任務是台灣在「ALMA-日本計畫」中最主要的貢獻之一。

ALMA East Asia Integration Center in Taichung Delivers the First Receiver to ALMA Radio Telescope in Chile

The first receiver integrated by the East Asia Front End Integration Center (EAFEIC) for the Atacama Large Millimeter/submillimeter Array (ALMA) radio telescope project was safely delivered to the project site in Chile and passed the check and accept at the end of December.

The EAFEIC center is a collaboration between Academia Sinica's Institute of Astronomy and Astrophysics (ASIAA) and the Chung-Shan Institute of Science and Technology Aeronautical Systems Research Division (ASRD), and represents Taiwan in the ALMA-Japan partnership. The center, which is an important part of the ALMA-Japan partnership, is located in Taichung and is funded by Academia Sinica. The task of the center is to assemble various components of sensitive low-noise receivers from the US, Canada, Japan, Netherlands and the UK into individual front-end subsystems for each of the telescopes being constructed by ALMA-Japan. Each front-end subsystem is to be delivered to ALMA site in Chile after testing and verification of performance in Taiwan.

深入資訊Further Information :

1. <http://db1n.sinica.edu.tw/textdb/gatenews/showpost.php?rid=2049>
2. http://alma.asiaa.sinica.edu.tw/NEWS/Press_Release-c.html
3. <http://db1n.sinica.edu.tw/textdb/gatenews/showpost.php?rid=2026>
4. <http://www.almaobservatory.org/>

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