

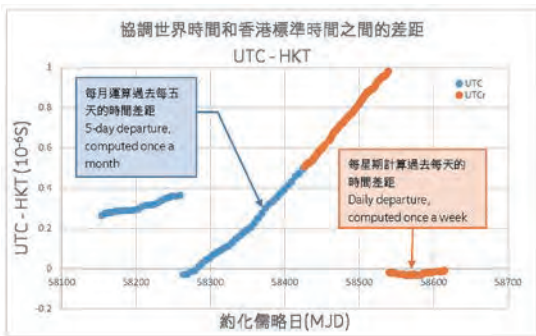


### Milestones

## The Observatory joined Rapid Coordinated Universal Time Project

Chan Sai-tick

The Hong Kong Observatory has been contributing to the determination of Coordinated Universal Time (UTC) since 2004, computing differences between Hong Kong Standard Time and UTC once a month. During the fourth quarter of 2018, the Observatory also joined the Rapid Coordinated Universal Time Experiment of the Bureau International des Poids et Mesures, to facilitate more efficient monitoring of Hong Kong Standard Time.



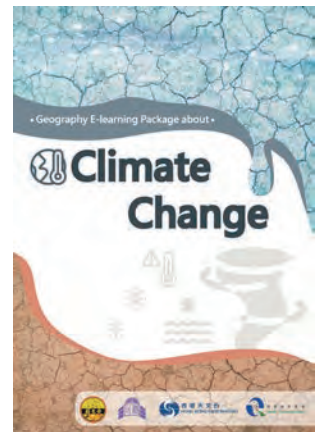
Note: The Modified Julian Date (MJD) is a count of days without specifying the year or month, in which 58484 is equivalent to 1 January 2019.

## Education Package on Climate Change

Sham Fu-cheung

The Hong Kong Observatory collaborated with the Ho Koon Nature Education cum Astronomical Centre to compile the "Geography E-learning Package about Climate Change", enhancing teachers' and students' awareness of climate change and its impacts, while debunking some common climate myths. The education package consolidates the latest scientific information, and was compiled based on the latest version of Geography Curriculum and Assessment Guide (Secondary 4-6) published by the Curriculum Development Institute of the Education Bureau.

The education package can be downloaded from the HKO website: [https://www.weather.gov.hk/climate\\_change/ed\\_package/CCpackage\\_e.pdf](https://www.weather.gov.hk/climate_change/ed_package/CCpackage_e.pdf).



The cover of "Geography E-learning Package about Climate Change"



## The Observatory joins hands with HK Electric to study the application of climate service in predicting electricity consumption

Tong Hang-wai

Against the backdrop of climate change, both energy supply and demand are increasingly exposed to the effects of weather and climate fluctuations. As part of its climate services, the Observatory produces climate forecasts for several months ahead, providing useful information to many sectors. The Hongkong Electric Company, Limited (HK Electric) made use of the Observatory's temperature forecasts for six months ahead, and incorporated the information into their model for predicting electricity consumption. It was found that the temperature information could significantly reduce errors in electricity consumption forecasts.



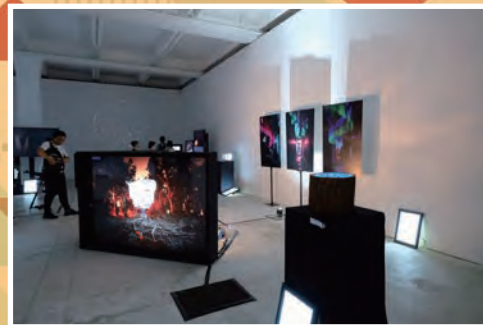
Check out study report here:



Experimental Officer of the Observatory, Mr Chan Wing-hang, presenting the results of the study at the 33rd Guangdong - Hong Kong - Macao Seminar on Meteorological Science and Technology.

## SCIENCE X ART

Lee Fung-ying



Making use of meteorological statistics provided by the Hong Kong Observatory, students from the School of Creative Media of the City University of Hong Kong created works such as sculptures, movies and animations with materials including wood from trees fallen by the ferocious winds of Typhoon Mangkhut in 2018, to highlight the power of Mangkhut and other extreme weather, and investigate the complicated relationships between human and nature. The works were showcased at F Hall Studio in Tai Kwun from 28 to 29 April 2019, in an exhibition entitled "Blown Away – Art, Science and Extreme Weather".