

**The 4th XBT Workshop:
XBT Science and the Way Forward
Beijing, China
11-13 November 2014**

Organizers: Jiang Zhu (朱江, IAP/CAS), Lijing Cheng (成里京, IAP/CAS); (chenglij@mail.iap.ac.cn), Gustavo Goni (NOAA/AOML), Tim Boyer (NOAA/NODC), and Rebecca Cowley (CSIRO).

This Workshop will be held during 11-13 November, 2014, at the Yuanchenxin International Hotel in Beijing. The meeting will be hosted by the Institute of Atmospheric Physics, Chinese Academy of Sciences.

Schedule

- Application for financial support deadline is **31 Aug 2014**.
- The registration deadline is **31 August 2014**.
- The abstract submission deadline is **20 Sep 2014**.
- A draft agenda will be available no later than **10 Oct 2014**.

Objectives

The main objective of this meeting is to bring together scientists working on XBT data. Presentations and discussions will include scientific and operational uses of XBT observations, such as Meridional Overturning Circulation, ocean currents, and ocean heat budgets; and the synergy of XBT data with data from other observational platforms, such as Argo floats, satellites, surface drifters, etc. This meeting will also focus on discussing recent advances in assessing XBT biases and their impact in ocean heat content studies, and on reaching a consensus to recommend a unique XBT bias correction to the global XBT data set. Abstracts on the above topics are encouraged.

The topics of this meeting include:

1. XBT scientific and operational applications.

Presentations are encouraged on the main use of XBT data, geared to estimate, monitor, and analyze global ocean heat content, transport and location of ocean currents, and Meridional Heat Transport. This meeting will highlight how XBT observations supplement and are supplemented by other hydrographic and remote sensing observations. We encourage the participation of non-XBT

specific experts, to encourage understanding and support of multiplatform and multidisciplinary studies.

2. Reaching a consensus on recommended XBT corrections.

Participants will make presentations and hold discussions on XBT bias correction methods and results with the objective of providing recommendations towards correcting XBT biases for climate research (eg. ocean heat content) and physical oceanography studies. Attendees will discuss:

- The biases in XBTs and how they contribute to the uncertainty in the historical ocean temperature dataset.
- Identification of barriers that prevent further refinements (or improved convergence) of XBT bias corrections.
- Recommendations of how to reduce XBT biases in the future.
- The role that programs, such as IQUOD, may play in enhancing our understanding and quantification of XBT bias corrections.

Projected Meeting Outcomes.

- A white paper summarizing the meeting outcomes.
- A manuscript discussing the recommendations for correcting XBT biases, focusing on the various XBT bias correction methods and schemes.

Registration.

The registration for this workshop is now open. To register please go to the website (<http://2014xbtworkshop.csp.escience.cn/>). You will need to register to attend this meeting. The registration deadline is 31 August 2014.

Abstract Submission.

Please submit one-page abstracts in Word or text format through the page: (<http://2014xbtworkshop.csp.escience.cn/>). Participants not making presentations are also welcome.

The deadline for abstract submission is **20 Sep 2014**. Please limit the abstract length to 200-500 words and no more than one figure. Font should be in 12 point Times New Roman. For questions about abstracts, send an email to Lijing Cheng (chenglij@mail.iap.ac.cn). Authors of accepted presentations will be notified on the website.

Financial Support.

There is limited financial support available for participants that wish to attend this meeting. If you wish to apply for financial support, please contact Dr. Lijing Cheng (chenglij@mail.iap.ac.cn) and include your name, affiliation, address, telephone number, and your CV in the email. The financial support includes travel and accommodations.

The deadline to apply for financial support is **August 31, 2014**.

Agenda, Abstracts, and Presentations

Nov.10	Registration
Nov.11	9:00am to 12:00am noon XBT science
	12:00am to 1:00pm Lunch
	1:00pm to 3:30pm XBT science
	3:30pm to 5:00pm Discussions (XBT Science)
	5:30pm to 7:00pm Dinner
Nov.12	9:00am to 12:00am noon XBT Fall Rate: Reaching a consensus and recommending XBT bias correction to the user community.
	1:00pm to 2:00pm Lunch
	2:00pm to 4:00pm Discussions (XBT Fall Rate)
Nov.13	9:00am to 12:30pm Ocean heat content
	12:30am to 1:30pm Lunch
	2:30pm to 4:00pm Discussions (Ocean Heat Content)

Lunches will be provided on November 11, 12, and 13; and dinner on November 11. The detailed and final agenda will be available before 10 October, 2014.

Additional Information

Venue and Accommodations.

The Yuanchenxin International Hotel is located at No. 12 Yumin Road in Chaoyang District, near the Olympic Village and Beijing Zhongguancun High Technology Area.

Hotel Webpage: <http://www.ycxhotel.com/>

Hotel Phone Number: 86-010-82024488



The hosts will not arrange for airport pick-up or see-off service for your visit.

The hosts will provide you with:

- * Taxi fee / shuttle bus fee reimbursement (200 CNY Maximum in total)
- * Breakfast Buffet (7:00 a.m. – 9:00 a.m.)
- * High speed Internet access

LOC will not cover:

- * Alcoholic beverages
- * Mini-bar and international calls

Check-out:

2:00 p.m. (NOTE: for late check-out, there is a 50% additional daily fee)

Transportation from Airport to Hotel

Taxi:

The Yuanchenxin International Hotel is approximately 20 kilometers away from the Beijing Capital International Airport. It takes approximately 40-50 minutes and the ride costs about CNY 100 (about USD 15). Please follow the taxi



signage of the airport to take the official taxi of Beijing. The genuine taxi invoice is enclosed herewith for your reference. Please print the following cards when you are taking the taxi to the hotel and airport:

Please take me to the Beijing Capital International Airport.

Terminal_____

Thank you!

Please take me to the Yuanchenxin International Hotel

Thank You!

请送我去元辰鑫国际酒店! 谢谢!

酒店电话(Hotel Phone Number): 86-10-82024488

酒店地址(Address): 北京市朝阳区裕民路 12 号

北 京

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Money

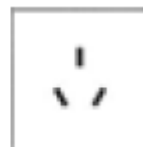
In China, only Chinese Yuan (CNY, or say Renminbi, RMB) is used. Currency exchange can be made at banks or exchange agencies at airports, hotels and large shopping centers. At present, the exchange rate is about CNY 6.2 for 1 US Dollar. We advise you to keep your receipt in case you wish to change RMB back to foreign currency. Major international credit cards such as Visa, Master Card, American Express, Diners Club, JCB are accepted in many department stores and hotels. However, it might be difficult to draw cash by using credit cards.

Weather

November is the late autumn season in Beijing. There is usually no rain, and the outdoor temperature ranges from about 10°C high to 0°C low. The temperature in the hotel is about 16 to 20°C.

Power supply

The power supply in China is 220-240V, 50Hz. In hotels the power supply for shavers is 110V or 220V. We suggest you bring transforming sockets.



Beijing Tourism

Beijing is a modern city with profound history and marvelous culture. Places to visit in Beijing include: The Forbidden City, the most magnificent palace in China; Ming Tombs, an imperial tomb cluster for thirteen emperors of the Ming Dynasty (1368-1644); Great Wall, one of the seven wonders of the world; Temple of

Heaven, the worshipping site for the emperors; Summer Palace, the grandest imperial garden in China etc. For more tour information, please visit:
<http://english.visitbeijing.com.cn>