

# Manual for “XUELONG Online” website

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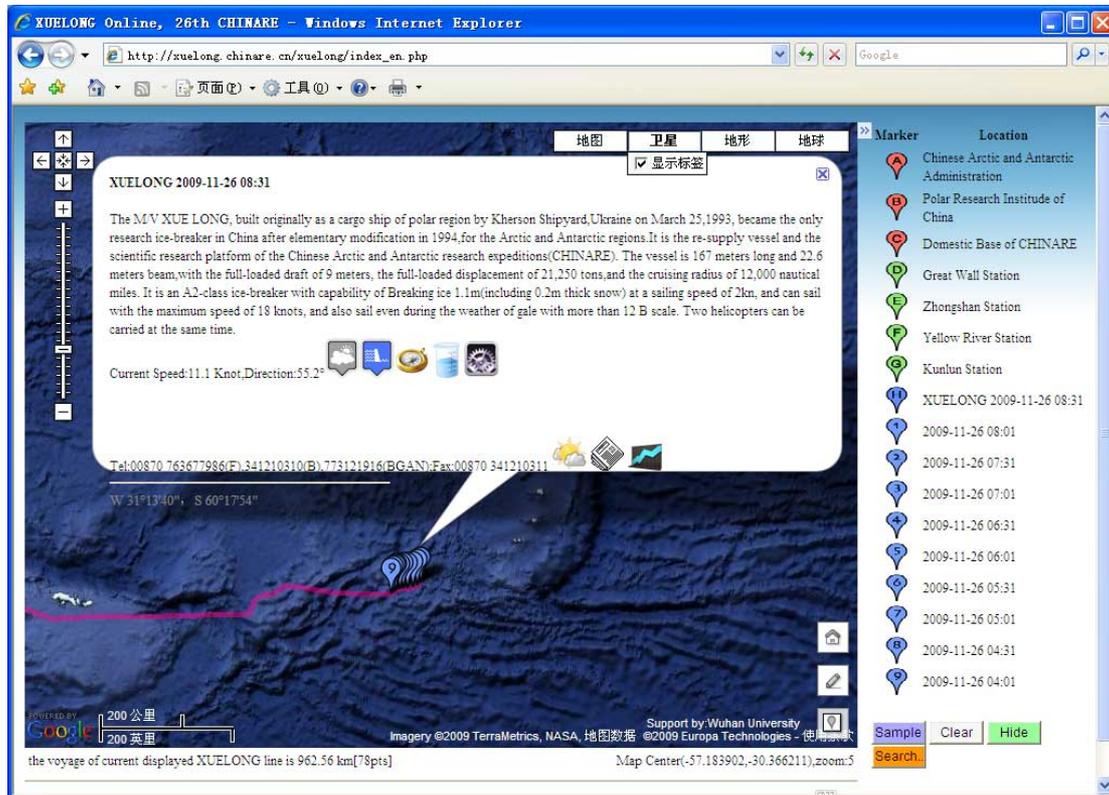
## 1. introduction



“XUELONG Online” is a information platform which connect M/V XUELONG and the domestic via internet with inmarsat BGAN. “XUELONG Online” presents a window for the polar affair administration, polar researchers and their families, and the public to find out the latest status of XUELONG and CHINARE.

## 2. functions

### 1) display the real time location of XUELONG



 is the current location of XUELONG, and the red line is the recent real voyage line. And there're many sensor data at one XUELONG navigation location, click the

maker and then you can view:  meteorological data,  water depth,  compass,  SBE,  engine status.

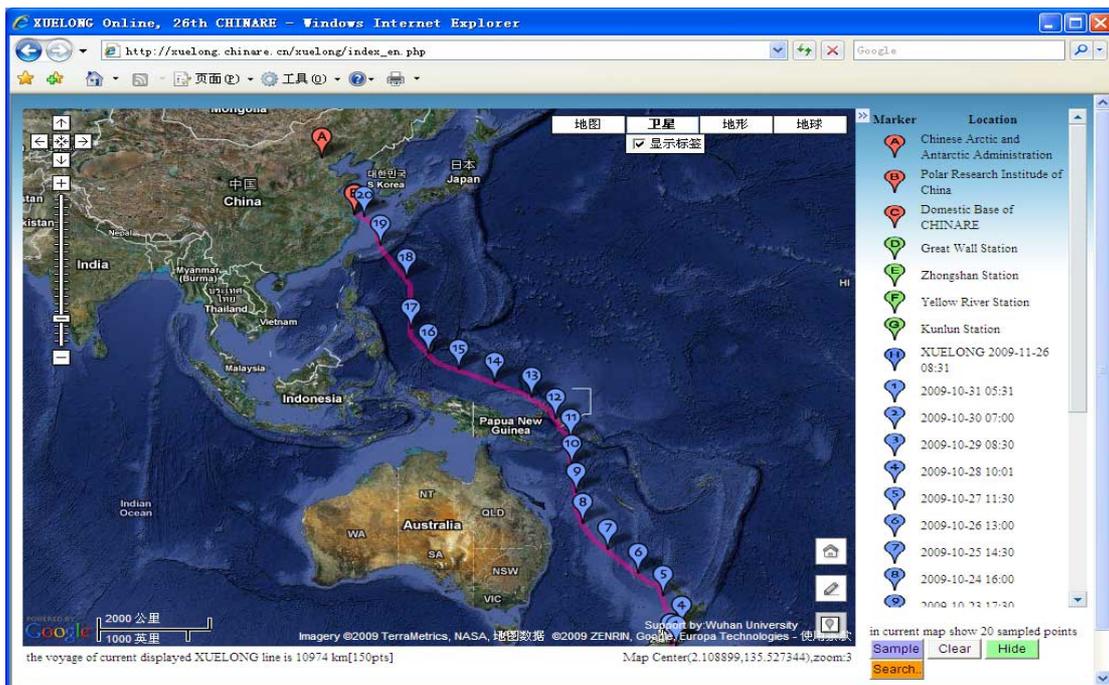
### 2) planned voyage line of XUELONG

With the layer of planned voyage line, we can find the variety between the real line and the planned line. Which can let us know the current progress of CHINARE.



And you can cancel the checkbox , then the markers on the planned voyage line can be hidden.

### 3) show the sampled real voyage line in current map



Sample: show the sampled real voyage navigation line in current map; Hide: hide the

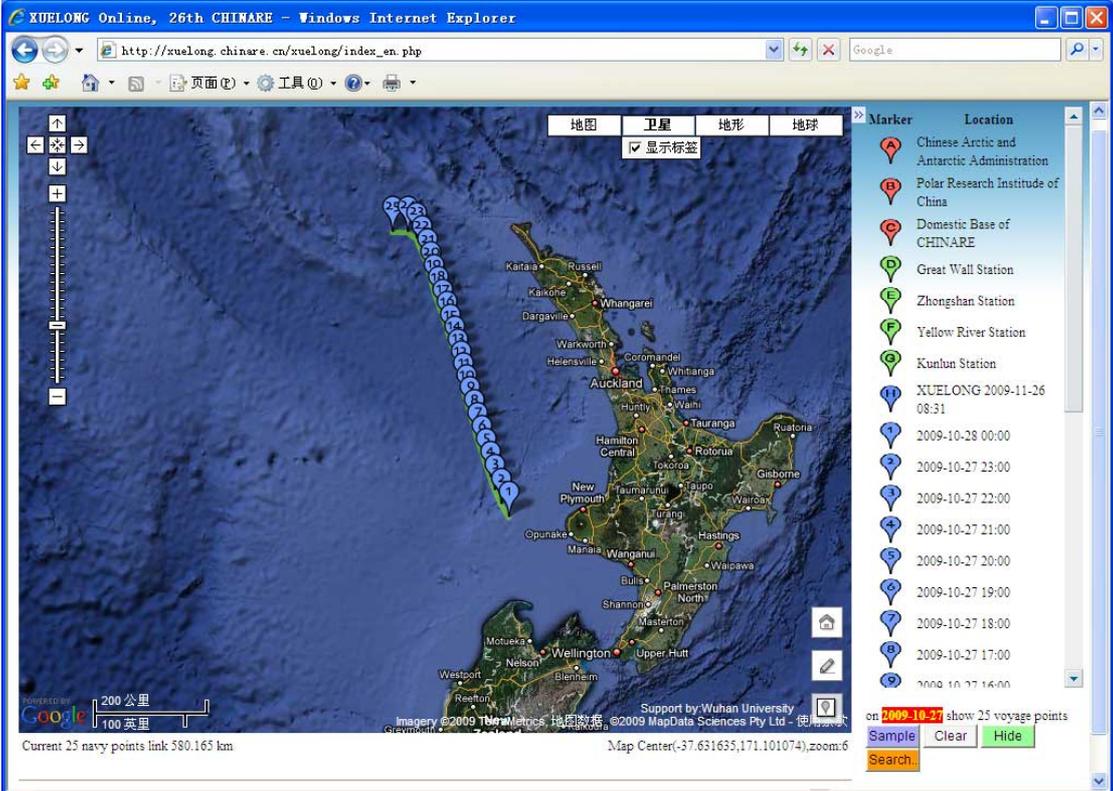
markers on the line. Clear: clear the markers and the marker list; if you click the marker, such as , then this location will be displayed centrally and toggle(hide/show) the marker.

#### 4)search one day's real voyage line

input date(YYYY-MM-DD):

2009-11-06

Click button , then input one date: , then press button OK, you can view the day's voyage line, markers and the length as below:



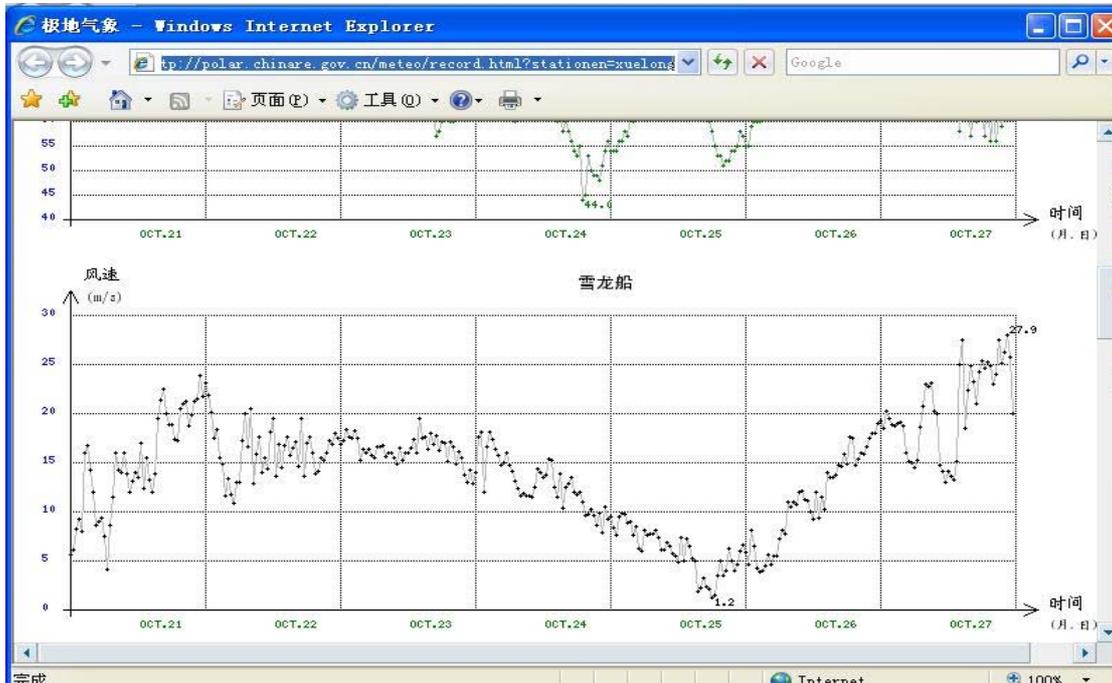
The screenshot shows the XUELONG Online web application interface. The main map displays a satellite view of New Zealand with a blue line representing a voyage route. The route starts in the southern ocean and moves north along the coast, ending near Auckland. A scale bar indicates 200 kilometers and 100 miles. The map center is at (-37.631635, 171.101074) with a zoom level of 6. The current 25 navy points link is 580.165 km.

The right sidebar contains a marker list with the following entries:

Marker	Location
A	Chinese Arctic and Antarctic Administration
B	Polar Research Institute of China
C	Domestic Base of CHINARE
D	Great Wall Station
E	Zhongshan Station
F	Yellow River Station
G	Kuunlun Station
H	XUELONG 2009-11-26 08:31
I	2009-10-28 00:00
J	2009-10-27 23:00
K	2009-10-27 22:00
L	2009-10-27 21:00
M	2009-10-27 20:00
N	2009-10-27 19:00
O	2009-10-27 18:00
P	2009-10-27 17:00
Q	2009-10-27 16:00

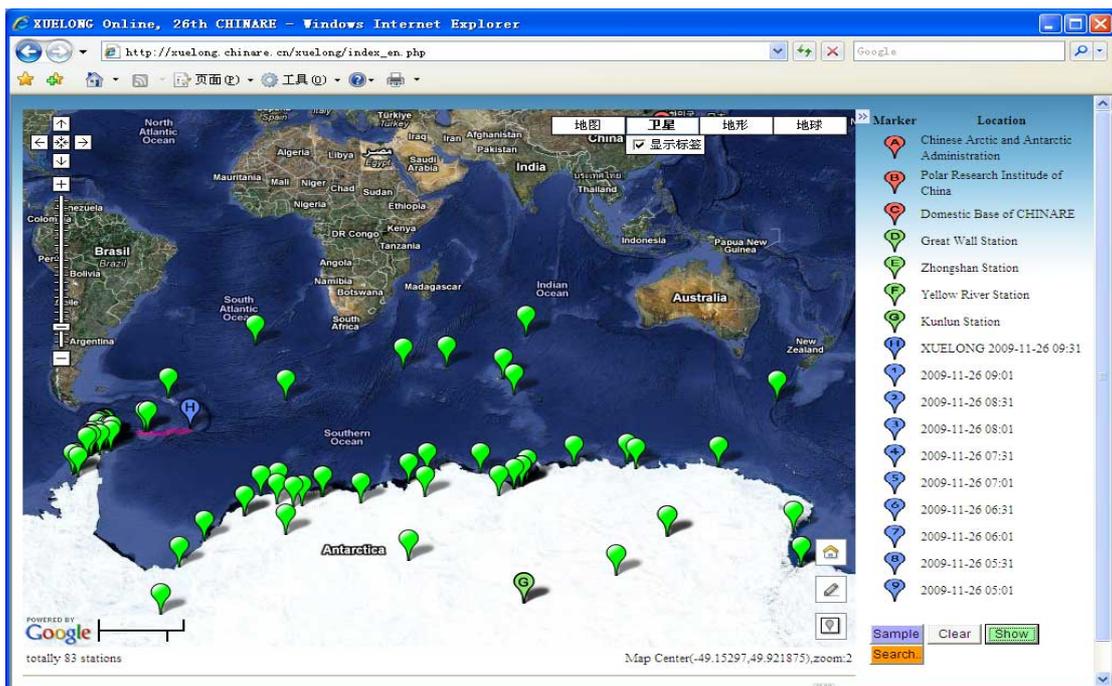
At the bottom of the sidebar, there are buttons for "Sample", "Clear", "Hide", and "Search..". A status bar at the bottom indicates "on 2009-10-27 show 25 voyage points".

## 5) view the figures of the data from XUELONG



For example, click the image , you can view the figure of the current meteorological data tendency.

## 6) view all the Antarctic stations



Click the button  on the right bottom corner of the map, to show/hide the stations .

## 7) distance and area measurement



Click the button on the map, then you can click on the map(where no marker), in which we can get the ruler line markers and the distance appeared. If you get 3 or more markers in the ruler line, click the button and the markers will disappear and the

area will be showed out. 

## 8) view relative polar news of CHINARE

The screenshot shows a web browser window displaying a map of the Xuelong station in Antarctica. A pop-up window provides technical details about the station, including its location, current speed, and communication equipment. A news window titled 'Polar News - Windows Internet Explorer' is open, showing a list of news items related to the station and the CHINARE mission.

ID	From	News	Time
1	雪龙船	极地之声091019(611 K) 中国第26次南极考察队主办, 极地之声第一期	2009-10-27 09:17
2	雪龙船	雪龙船BGAN卫星通讯恢复! (73 K) 2009-10-22T02:00中断 2009-10-22T18:10恢复雪龙船航行动态数据更新中...	2009-10-23 09:03
3	雪龙船	雪龙船BGAN卫星通讯暂时中断, 数据更新暂停(105 K) 由于受到海事卫星通讯调整的影响, 雪龙船BGAN终端目前暂不能使用, 需要等待升级, 因此雪龙船航行状态数据回传目前也停滞了. 请大家点击航行计划查看本次考察雪龙船的完整路线	2009-10-22 15:49
4	雪龙船	中国第26次南极考察队穿越赤道进入南半球(243 K) 新华社“雪龙”号10月19日电(记者崔静)经过8天的昼夜航行, 中国第26次南极考察队乘坐的“雪龙”号极地考察船于19日10时(北京时间19日8时)穿越赤道, 进入南半球。	2009-10-19 17:33

Click the image  on the pop-up window of stations or XUELONG, then you can view the relative news from the station or XUELONG.

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