

The background of the cover is a photograph of a sunset over the ocean. The sky is a mix of light blue, white, and orange, with soft, wispy clouds. The sun is low on the horizon, creating a bright glow. The ocean in the foreground is dark blue with gentle ripples. A faint rainbow is visible in the distance, arching over the water.

***OBSJMA for WIN Version 3.00  
OPERATION MANUAL***

***February 2014***

***Global Environment and Marine Department  
Japan Meteorological Agency***

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## Introduction

Marine meteorological observation is indispensable in the provision of weather warnings/information and in monitoring/research relating to global warming and other aspects of climate change. In this context, the Japan Meteorological Agency appreciates the efforts of ship crews in submitting marine meteorological observations and reports.

OBSJMA for WIN software was developed to help observers easily and accurately encode a weather report and a marine meteorological logbook. The 2014 release of Version 3.00 brings new areas of functionality including compatibility with Windows 7/8.

This is the OBSJMA for WIN Version 3.00 instruction manual.

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## 1. OBSJMA

OBSJMA software is designed to help encode observational data (a weather report and a marine meteorological logbook) on PCs. It has the following features:

- 1) To facilitate encoding, the user can display various auxiliary input screens while inputting observational data in another window. This makes input easier because the software calculates some required data (true wind direction, wind speed, sea level pressure, etc.) automatically from other input information.
- 2) Observational data are automatically saved in the designated folder with the specified weather report and marine meteorological logbook formats for easy dispatch to JMA as follows:
  - Weather report (*yymmddhh.tlx*) is ready for transmission via INMARSAT. Before being sent, file needs to be copied to the INMARSAT terminal.
  - Marine meteorological logbook (*immt5.log*) can be sent by e-mail or regular mail (on a floppy disk or CD-R) in lieu of paper versions during calls at Japanese ports (see 4-5 Sending a marine meteorological logbook).
- 3) The software's checking of weather reports greatly reduces the incidence of encoding errors.

## 2. Requirements

OS

Microsoft® Windows® XP/Vista/7/8 Japanese version

Microsoft® Windows® XP/Vista/7/8 English version

CPU: Pentium® III 500 MHz or higher

Memory: 128 MB or more

Disk space: 50 MB of free drive space required for installation

Display:

Japanese OS: 800 x 600 pixels or higher, 16-bit color or higher

English OS: 1,024 x 768 pixels or higher, 16-bit color or higher

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Pentium® is a registered trademark of Intel Corporation.

### 3. Installation and settings

OBSJMA for WIN Version 3.00 can be installed using a CD-ROM from JMA or files downloaded from JMA's Ships' Weather Observations/Reports web page at <http://marine.kishou.go.jp/en/index-en.html>.

This section describes installation and startup using the English installer. For details of the Japanese installer, see the Japanese operation manual.

Note: Any previous versions should be uninstalled before OBSJMA for WIN Version 3.00 is installed.

The software can be used in one of two ways:

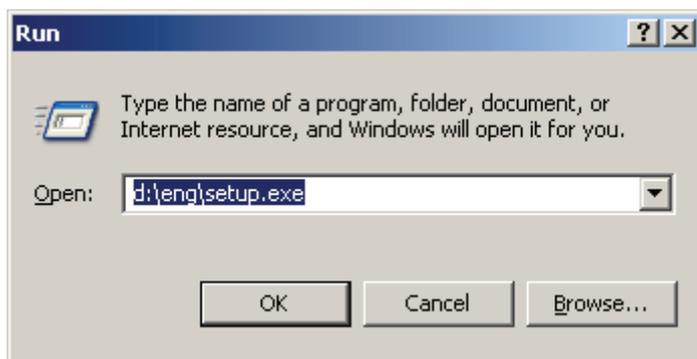
- Installation on a hard disk drive (3-1)
- Directly from a CD-ROM without installation (3-2)

When OBSJMA is run for the first time, input the fixed data as required (see Section 3-3) and select "Observation items" (3-4).

#### 3-1 Installing and running OBSJMA on a hard disk drive

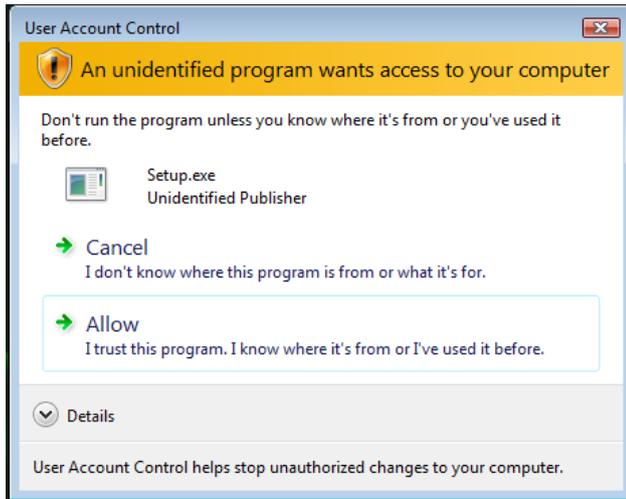
To run OBSJMA from a hard disk drive, it must first be installed by a logged-in administrator as described below.

- (1) Insert the CD-ROM into the PC's drive or download the program files from JMA's website.
- (2) Click on the Start button in Windows and select "Run."
- (3) In the Run dialog box, select setup.exe in the eng folder on the CD-ROM **d:\eng\setup.exe** (where "d" is the CD-ROM drive) and click "OK."

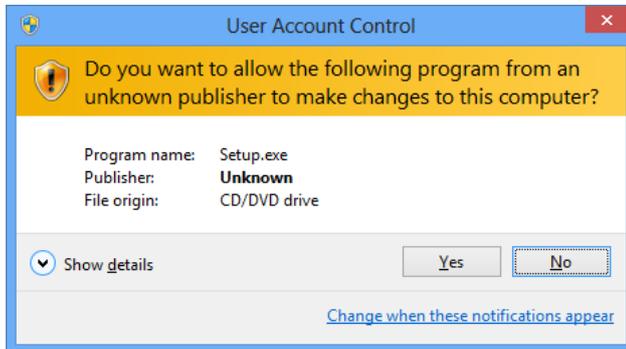


Note: If Run does not appear on the start menu, double-click setup.exe in the eng folder.

Click "Allow" on the following message in Windows Vista/7:



Click "Yes" on the following message in Windows 8:



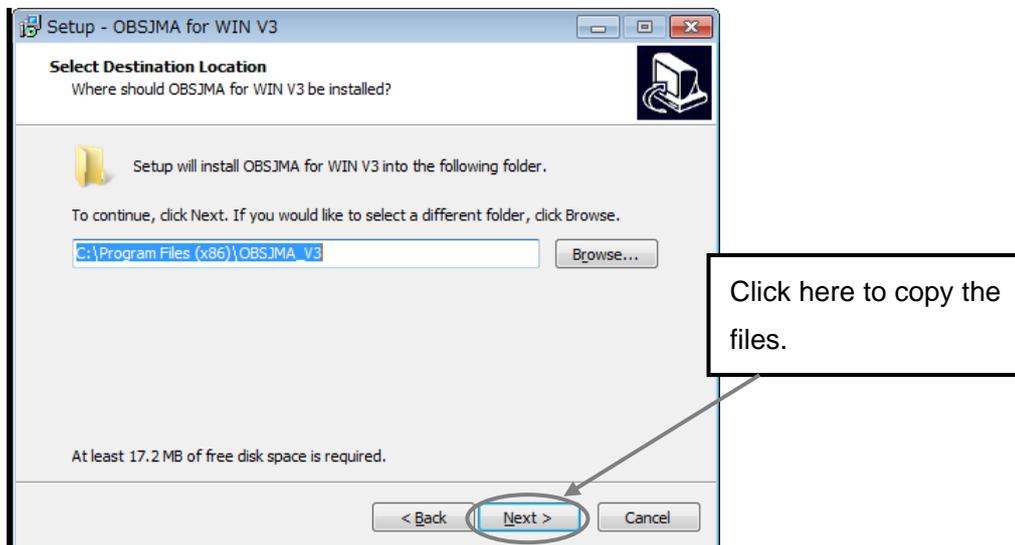
(4) The Setup dialog box will appear. Click "Next" to continue or "Cancel" to exit.



[Setup dialog box]

(5) Specify the folder for software installation.

Program files will be copied to the OBSJMA\_V3 folder in C:\Program Files by default. Click "Browse" to select a different folder, then click "Install" to copy the files or "Cancel" to exit.



[Folder selection dialog box]

(6) Click "Finish" in the dialog box shown below to finish installation.



[Final dialog box]

Check "Run OBSJMA for WIN V3" to automatically start the program and proceed to input fixed data (3-3) and select observations (3-4).

There is no need to reboot before running OBSJMA after installation.

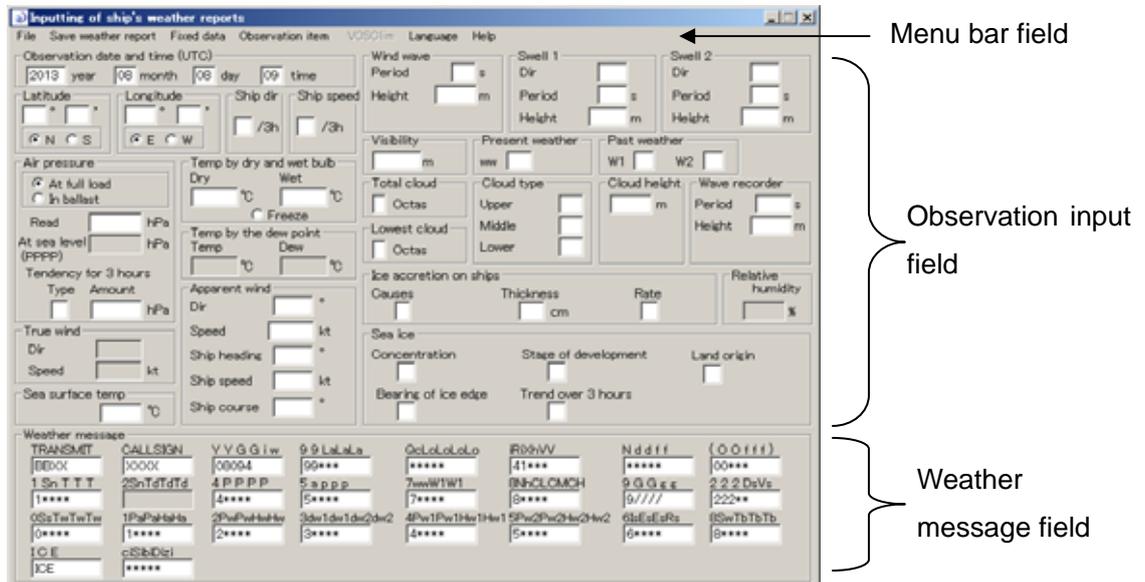
(7) A shortcut icon to the program will be created on the desktop, and a startup item will be added to All Programs in the Windows Start menu.



[Added menu items and desktop shortcut icon]

To run OBSJMA for WIN V3, double-click the icon on the desktop or click on OBSJMA

for WIN V3 under All Programs in the Start menu.

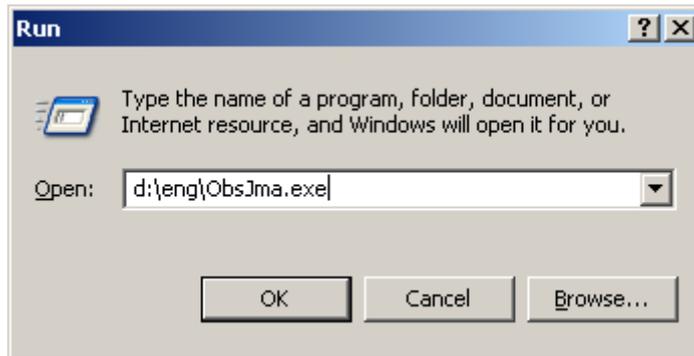


[Main input screen]

Note: Fixed data (3-3) and Select observation items (3-4) information not entered during installation must be input the first time the program is started.

### 3-2 Running OBSJMA from a CD-ROM without installation

- (1) Click on the Start button in Windows and select "Run."
- (2) In the Run dialog box, enter d:\eng\ObsJma.exe (where "d" is the CD-ROM drive) and click "OK."



Note: If Run does not appear on the start menu, double-click setup.exe in the eng folder.

- (3) The weather report input screen will be displayed.

### 3-3 Inputting fixed-value data

Follow the instructions outlined in sections 3-3 and 3-4 to record the callsign,

barometer check results and observation methods of the ship as well as other data in the configuration file. Fixed data input is performed when OBSJMA is used for the first time and at any time when there are changes in recorded data such as barometer check results.

[Fixed-value data input window]

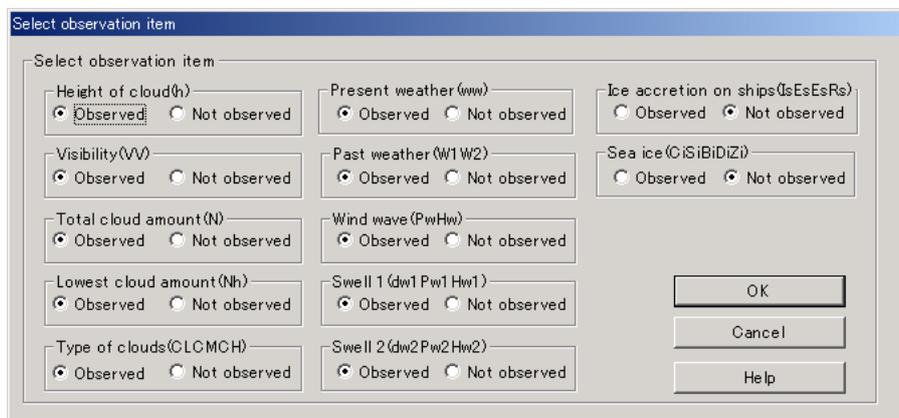
- (1) Click "Fixed data" in the menu bar field. The fixed-value data input/correction window will appear.
- (2) Input fixed-value data such as the ship's callsign, information on instruments on board and barometer check results. OBSJMA automatically calculates air pressure at sea level using barometer check results. Result input should be based on the barometer correction card attached to the unit as provided by Port Meteorological Officers (barometer height must be indicated with an integer value).
- (3) Change the folder to which weather reports and a marine meteorological logbook are saved if necessary.
- (4) Click "OK" once input is finished.

### 3-4 Selecting observation items

- (1) Click "Observation item" in the menu bar. The Select observation item window will appear.
- (2) Either "Observed" or "Not observed" needs to be selected for each observation item when the program is run for the first time and when observation items are changed.

If "Not observed" is selected, the input field for the item on the main input screen will be greyed out and data input for the item will not be possible. The corresponding item in the weather message field will also show slashes.

- (3) Click "OK" once input is finished.



[Observation item selection window]

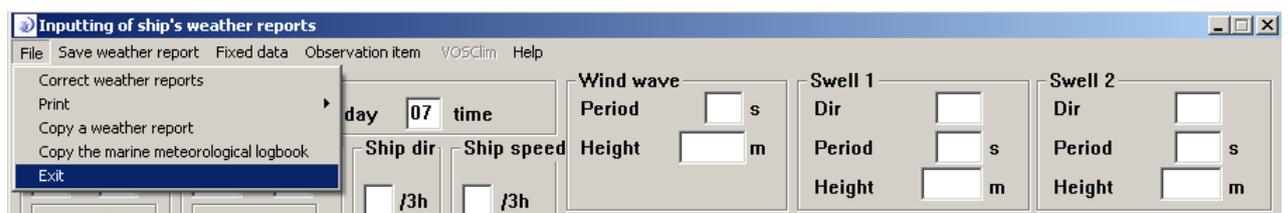
### 3-5 Choosing the display language

When OBSJMA is run on a Japanese OS, either Japanese or English can be selected as the display language by clicking "Language" in the menu bar.

The language selected will be used the next time the program is run.

### 3-6 Exiting

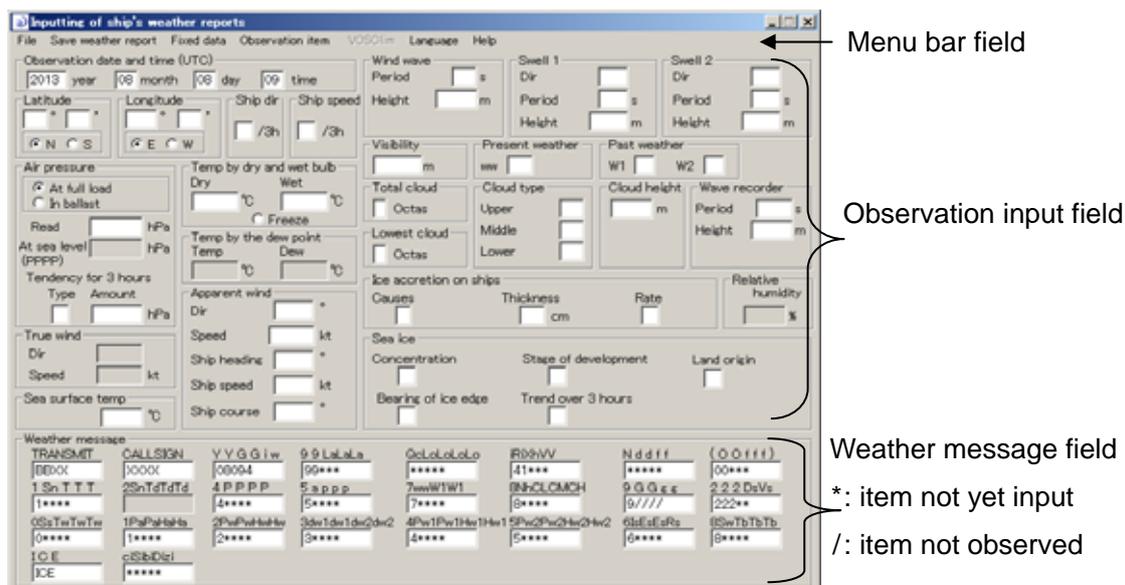
- (1) Click "File" in the menu bar on the main input screen of OBSJMA for WIN V3.
- (2) Select "Exit."



## 4. Encoding and submission of weather report/marine meteorological logbook

### 4-1 OBSJMA main input screen

The main input screen of OBSJMA for WIN V3, Input of ship's weather reports has three fields for the menu bar, observation input and weather message.



[Main input screen of OBSJMA for WIN V3]

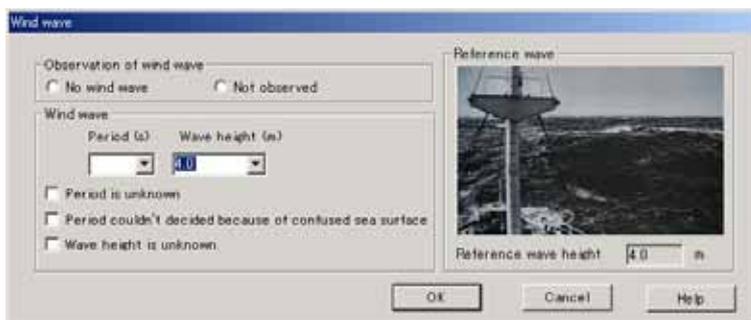
#### (1) Menu bar field

The major functions are listed in the menu bar, and can be chosen by clicking. Selecting "File", "Language" and "Help" will show a pull-down menu for each. ("Language" appears only on a Japanese OS.)

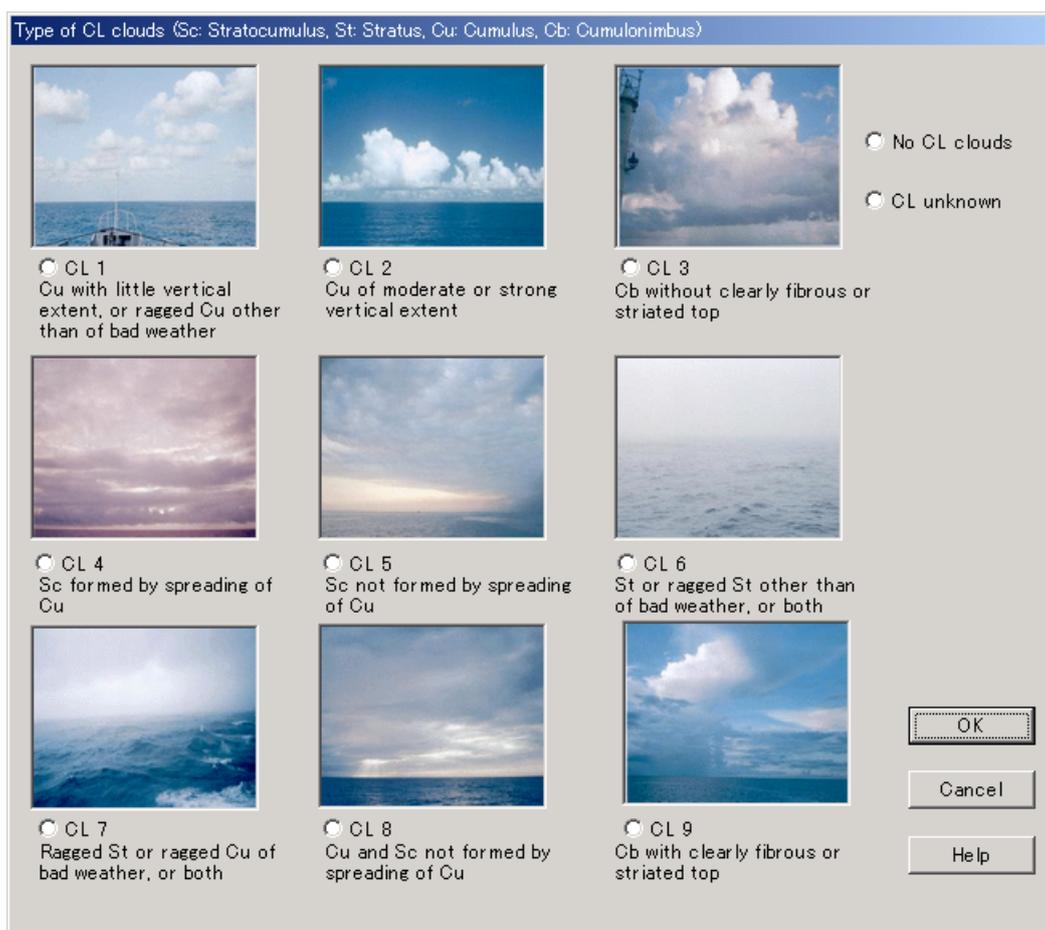
#### (2) Observation input field

If observed values are entered in the observation input field, weather message will be automatically encoded.

Clicking on an item's name or pressing the "F1" key brings up the corresponding auxiliary input screen showing figures and commentary for the item to simplify observation input. Examples of auxiliary input screens are shown below.



[Wind wave auxiliary input screen]



[CL cloud type auxiliary input screen]

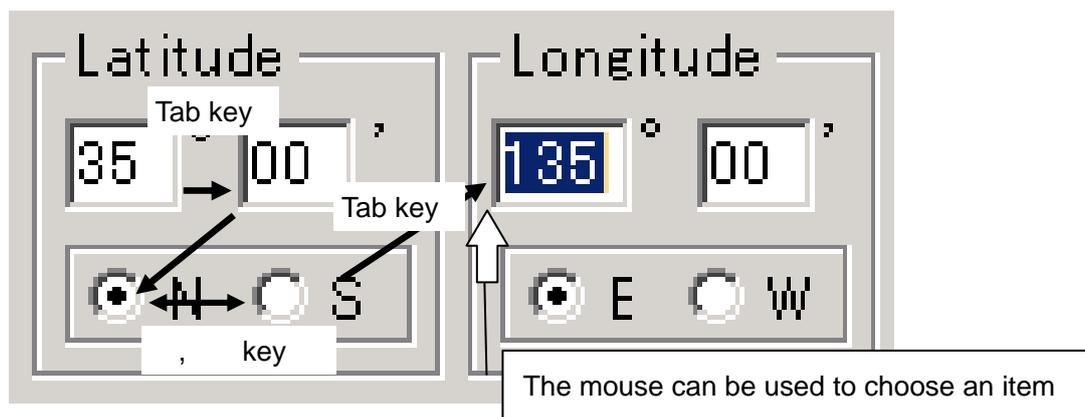
There is no auxiliary input screen for Wave recorder. This information should be input directly on the main screen.

### (3) Weather message field

Data entered in the observation input fields is displayed in the telegraph form of the ship's weather report. Observation data can be input directly in the weather message field in line with the content of the weather report form.

#### 4-2 Keyboard and mouse operations

The "Tab" key is used to move the cursor to the next item, and "Shift" + "Tab" is used to move to the previous item. Item can also be selected using the mouse. The text of selected item is displayed in reversed color. The " " and " " keys or the mouse can be used to choose an item.



#### 4-3 Saving observation data

After inputting all the necessary items, click "Save weather report" in the menu bar to encode and save the weather report (*yymmddhh.tlx*; *yymmddhh* represents the observation year, month, day and hour) and the marine meteorological logbook (*immt5.log*).

#### 4-4 Sending a weather report

Click "File" in the menu bar and select "Exit" to terminate the program.



Copy the file (*yymmddhh.tlx*) to the INMARSAT terminal and transmit it.

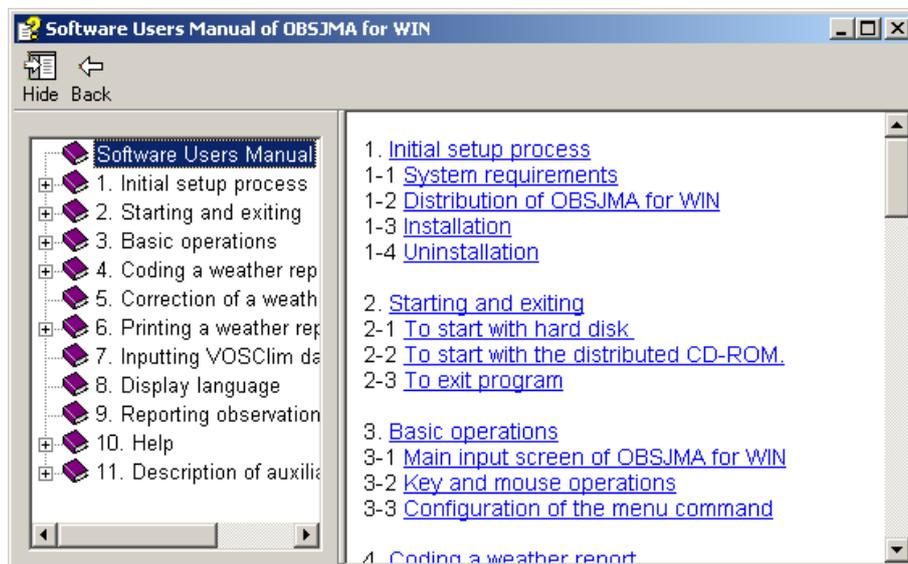
#### 4-5 Sending a marine meteorological logbook

Send a floppy disk or CD-R containing the marine meteorological logbook file (*immt5.log*) to JMA as soon as the ship arrives at a port in Japan, or simply e-mail the file to [obsjma@climar.kishou.go.jp](mailto:obsjma@climar.kishou.go.jp).

Note: JMA can provide disks on request.

## 5. Online manual

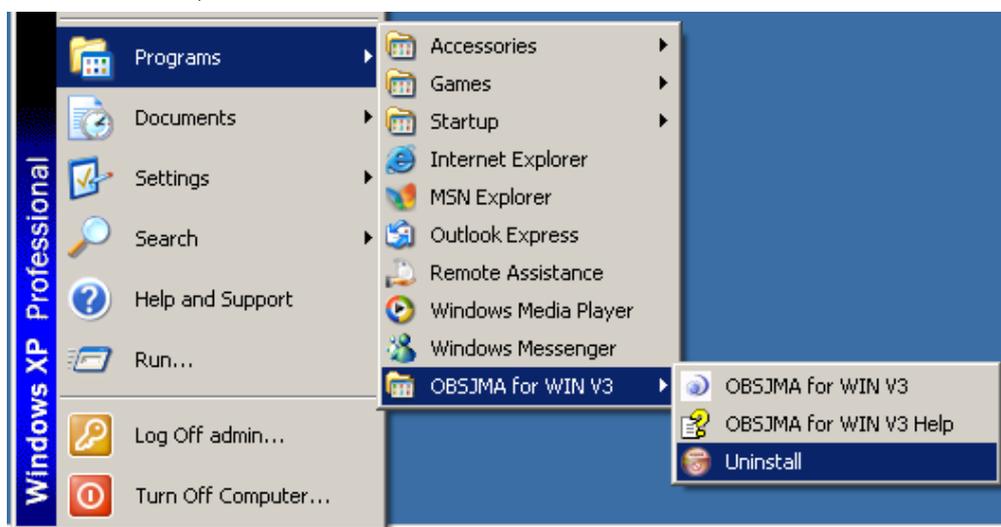
The online manual provides more detailed operation instructions and extra information on OBSJMA for WIN V3's functions (click "Help" in the menu bar).



## 6. Miscellaneous

### 6-1 Uninstalling

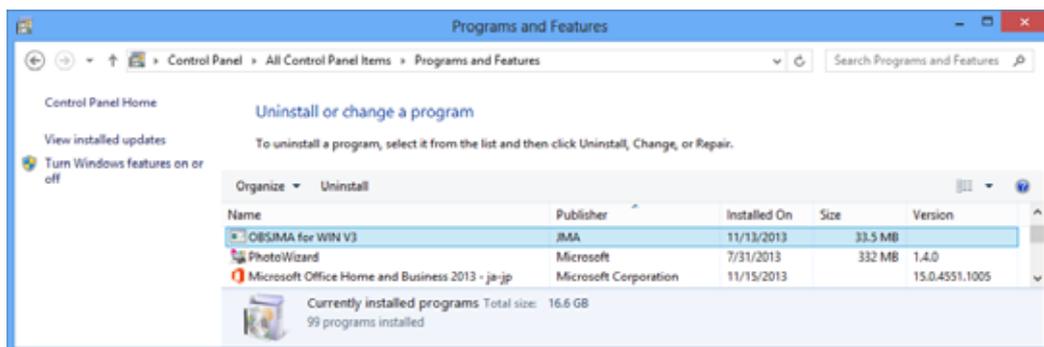
For Windows XP/Vista/7, Select "OBSJMA for WIN V3" from All Programs in the Windows Start menu, then click "Uninstall."



In Windows 8, press the Windows key to display the Start screen. Right-click OBSJMA for WIN V3 and select “Uninstall” from the menu at the bottom of the screen.



Select OBSJMA for WIN V3 on the screen that appears and click “Uninstall.”



Click "Yes."



[Uninstallation dialog box]

Note: The folders and files to which weather reports and a marine meteorological logbook are saved are not automatically deleted in the uninstallation, and must be deleted manually as needed.

#### 6-2 Version information

- March 2002 OBSJMA for WIN Version 1.00
- March 2004 OBSJMA for WIN Version 1.01
- March 2009 OBSJMA for WIN Version 2.00
- February 2014 OBSJMA for WIN Version 3.00

It is advisable to use the latest version of the program. Version information can be found by clicking on "Help" in the menu bar (as described in 4-1). To use OBSJMA for WIN, contact JMA at the address shown on the inside front cover.

