

# **AMVERSEAS** AUTO IMET

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## **Installation Manual for NOAA Vessels Using SCS and Internet**

**June, 2010**

**SEAS**

**NOTE:** An in-depth help manual for the entire AUTOIMET utilities is found in the HELP tab of the AMVER/SEAS program. This particular Manual will be *specific* for the NOAA Vessels who utilize the SCS for data collection and have 24/7 internet capabilities.

The latest AMVERSEAS version for AUTOIMET will need to be downloaded from an FTP site.

This guide has been produced for the use of the PMO and the ship's ET/IT, but it needs to be noted that the majority of the duties on installation will be the responsibility of the ET/IT on the ship due to administrative rights on the NOAA Ships computer/server/SCS. The PMO should be familiar with the setup as to assist the ET/IT with this process. The PMO's should also have enough working knowledge to assist the NOAA Corps officers in trouble shooting and/or general quality assurance. As a guideline for a timeline, this entire process of setting up a NOAA Ship with SEAS AutoIMET should take about two hours.

PM Rychtar

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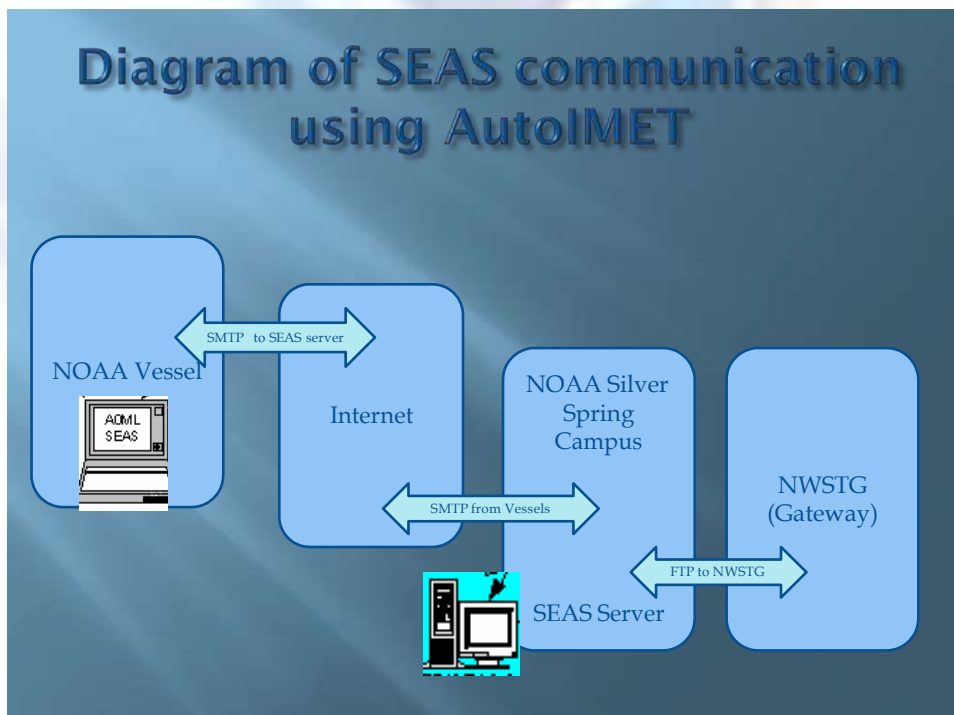
## Introduction to the AUTOIMET Program for VOS

- ▣ The AutoIMET program collects data from automated weather sources once every 3 minutes, and then the data is transmitted on a user determined schedule; typically this is hourly. Instantaneous data received closest to the transmit time is transmitted.
- ▣ The AutoIMET program is enabled, setup and started from the AMVER/SEAS 'MET | Automated | Auto IMET Logger ->Start' menu. It can also start automatically when Amver/SEAS is started if it was previously enabled. For SCS systems using Email (NOAA Vessels), the AutoIMET can run independently of AmverSeas if so desired.
- ▣ This program automatically transmits the MET data using the Meteorological Observation (BBXX) format.
- ▣ AutoIMET has the ability to be augmented. It also gives the observer the ability to toggle on/off any sensor that appears to be erroneous or suspect.

## Communications:

–**SMTP using ship internet.** (NOAA Vessels) It will be necessary to set up and install the Mailer for transmitting the Met Observations. The link to the Mail Service originates in the *Auto IMET program* (not in AMVERSEAS main program). Thus when using ship internet, AMVERSEAS does not need to be operating.

NOTE: While Iridium is the *name* of this Mailer Service, this service is an SMTP service that can configure an internet connection via Iridium modem or LAN connection.



# Requirements:

## Computer Hardware requirements:

Operating System - Windows 2000, Windows NT, Windows 98, Windows 95.

Works best with 200 MHz Pentium or better

Video card that supports 800 x 600 pixels with 65K colors or better.

10 MB of free hard disk space

(These are the same requirements as for any previous installation of AMVERSEAS)

## Meteorological data collection requirements:

SCS (scientific computer system)

R M Young programmable translator model 26-800\*

SEAS with updated AUTOIMET

## Communications requirements:

24/7 internet capabilities

\*This new programmable translator enables the process of obtaining the Sea Level Pressure to be read to the hundredth, rather than the tenth, thus giving a more accurate reading after applying the height correction. It also provides the ability to obtain derived data such as wet bulb and dew point for a complete marine observation.

# Time Setup

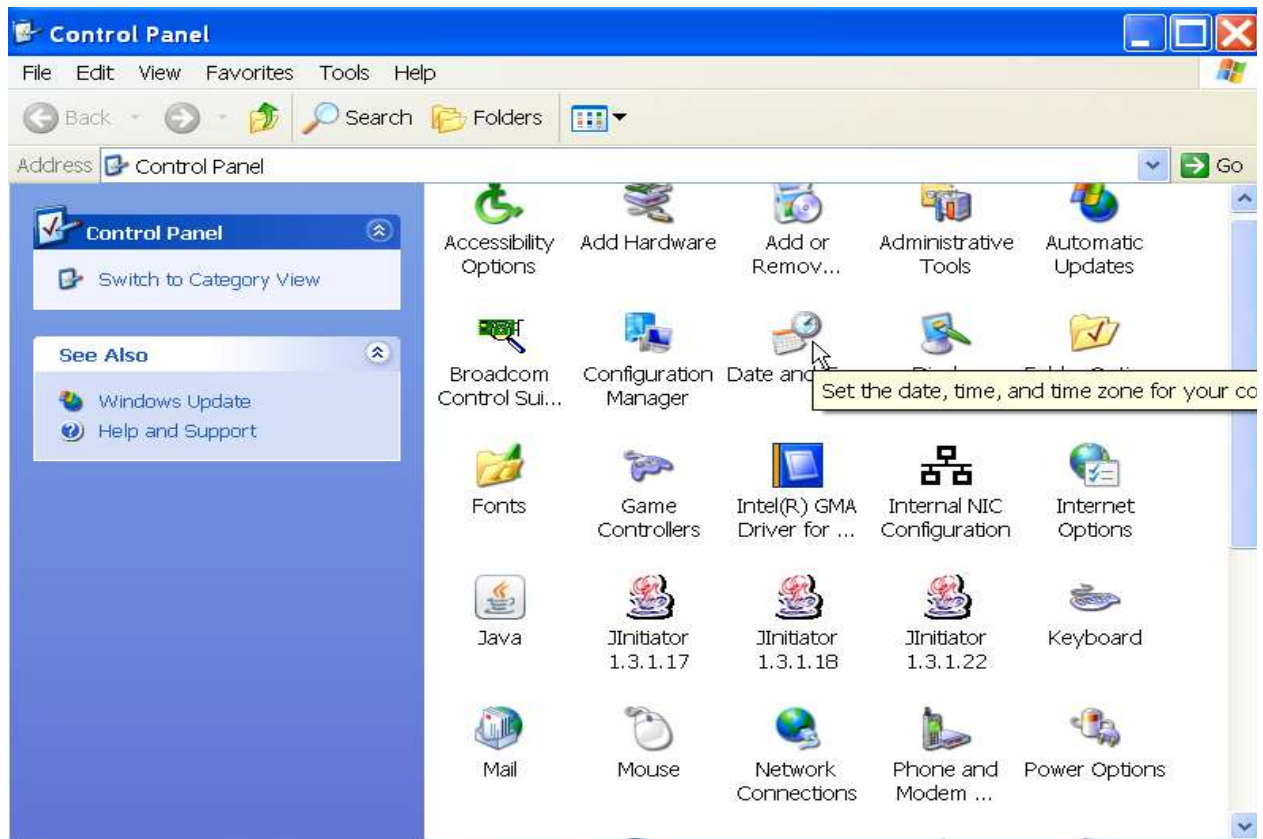
For proper operation of AMVER/SEAS, the computer time and time zone must be set correctly to (GMT) Casablanca Monrovia time. Once the computer time zone is set correctly, it should not be changed. If the time zone changes the (GMT) Casablanca Monrovia time is not affected, so do not do anything.



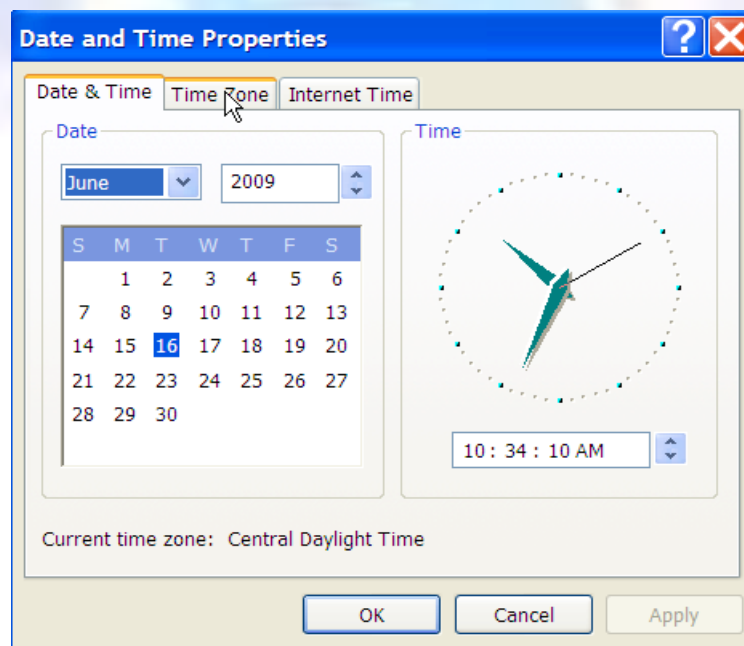
The procedure for setting the time and time zone is to select the 'Start' button on the lower left corner of your computer screen as shown above.



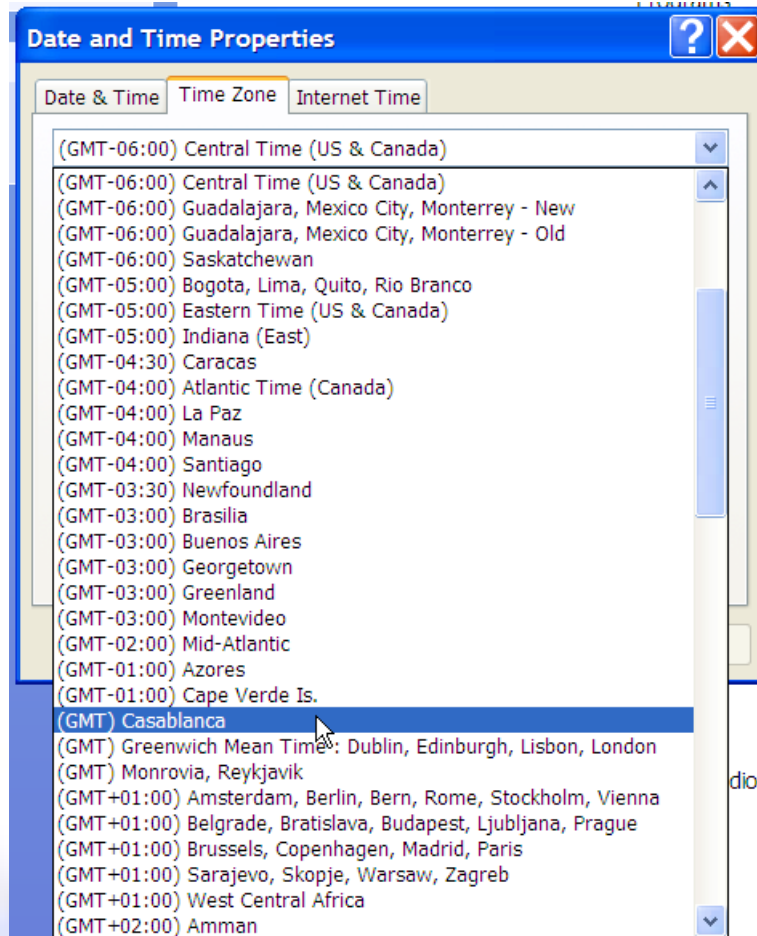
From there, scroll up to the right and select “Control Panel” as shown above.



When the Control Panel window opens up double click on the “Date and Time”.

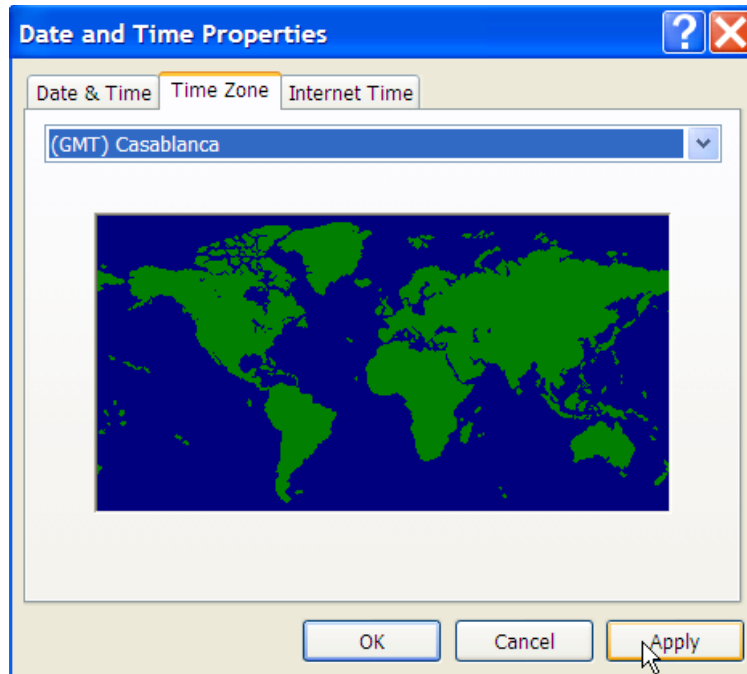


Once you are at the Date and Time Properties, choose “Time Zone” and double click.



From there select 'Time Zone' tab. Now select (GMT) Casablanca Monrovia time zone from pull down list.



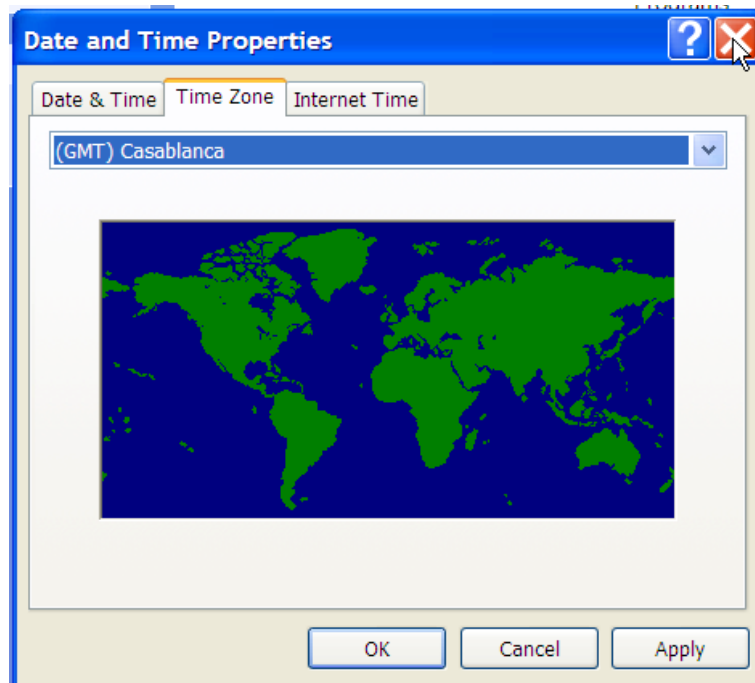


Once this time zone has been selected, click the 'Apply' button. The date and time shown, should be correct for (GMT) Casablanca Monrovia time. This may be different from your local time.

**Note:** Do Not select Greenwich Mean Time: Dublin ... because it uses daylight savings time which causes Amver Seas problems.



Press "OK"



Exit out as above...

## Step 1: Downloading the Current SEAS with AutoIMET

Acquiring the newest version via FTP will most likely be the normal way of obtaining the AutoIMET.

Go to: <ftp://ftp.aoml.noaa.gov/phod/pub/seas/Users/PaulaR>

To view FTP site in Windows Explorer, click “page” and then open the FTP site.

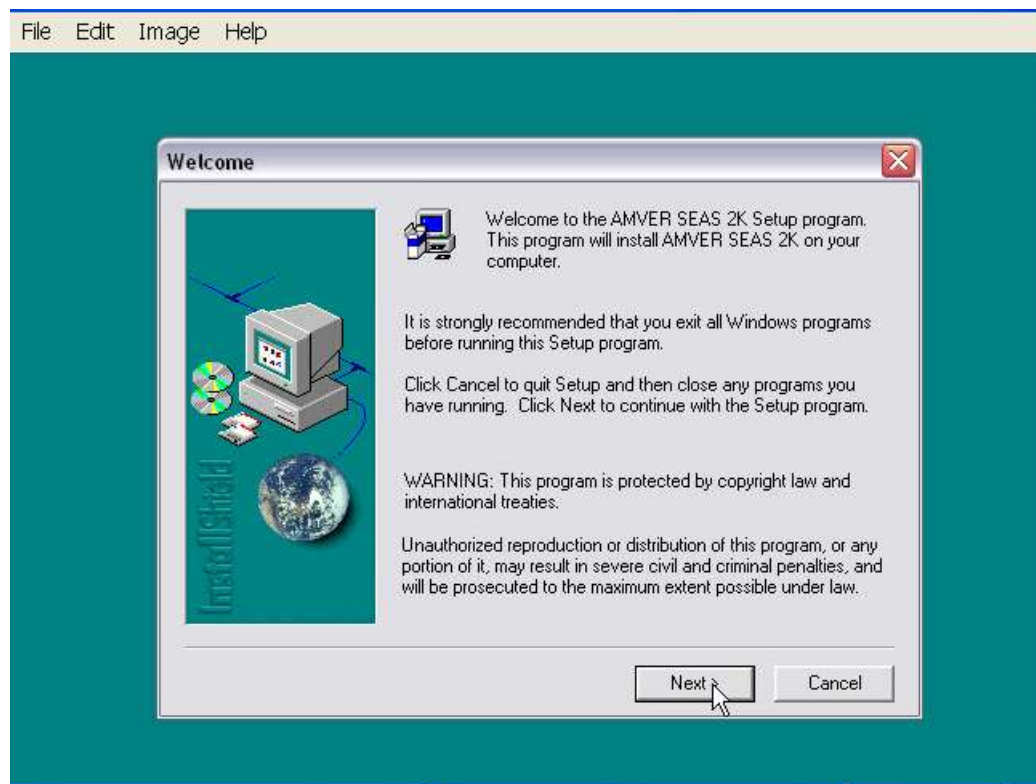
Go to the file named **ndbc\_scs\_build.exe**

After retrieving the file, save it to the desktop. Once you save it, then hit “run”. It is fully executable.

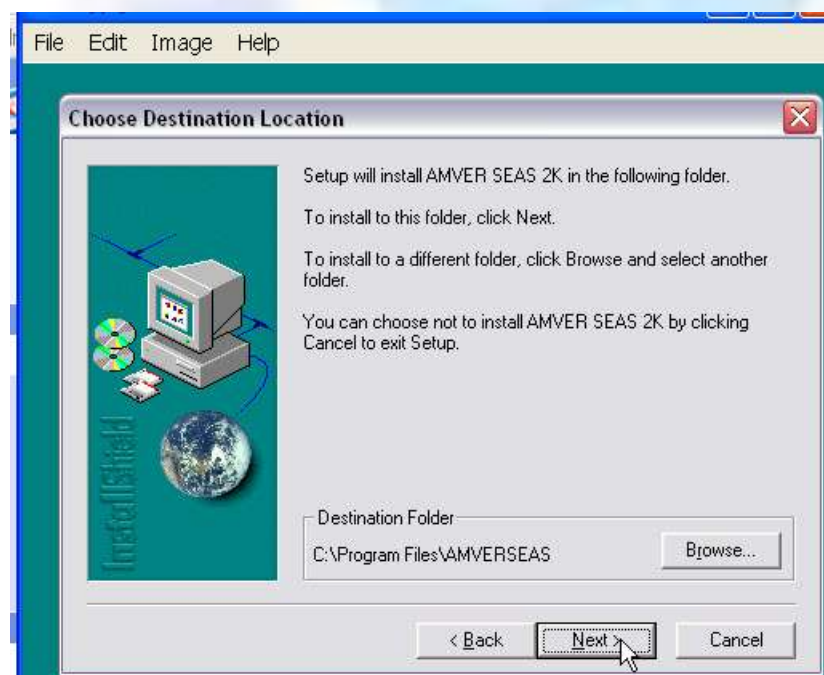
This will start the loading of the AMVERSEAS.....



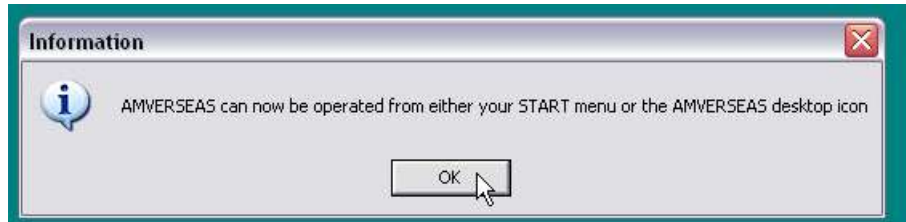
Click on “next” as shown....



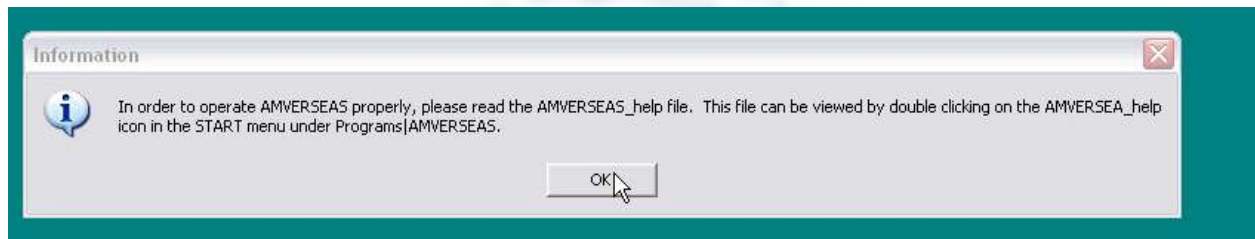
Again, Click on “next” as shown...



Click “OK” .....



Click “OK” .....



You now have the AMVERSEAS ICON on your desktop....

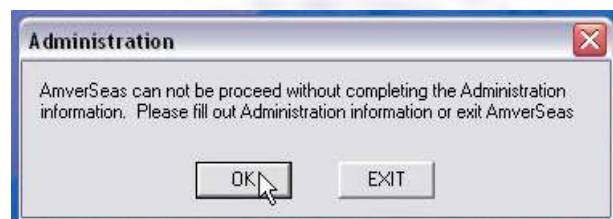
Double click on the ICON to begin the setup for AUTOIMET



**\*Reminder....**even though you will not be transmitting the Administrative Message with Ships information, you must fill out the data in the Administrative message before the software will allow you to proceed. Fill out the Administrative message with the ships particulars and save it in the default location. An example follows....



Press "OK"



Press "OK"

A large "Administration" window with a menu bar (File, Transmit, Help). It contains several sections: "Ship Information" with fields for Company Name, Call Sign\*, Maximum Speed Knots\*, Ship Name\*, IMO Number, and Sail Plan Default Navigation Method (dropdown set to GC); "Sensor Information" with fields for Thermometer Height, Anemometer Height, Barometer Height, Sea Surface Temp Depth, Sea Surface Temp Type (dropdown), Wet Bulb Temp Method (dropdown), and Anemometer Method (dropdown); "INMARSAT Data" with fields for INMARSAT-C Mobile ID\*, Emergency Watch (GMDSS) INMARSAT-C Mobile ID, and INMARSAT-A Number; "Medical Staff\*" with checkboxes for Nurse, MD, PA, and None, and a checkbox for VOSCLIM Participant; and "Forward" with checkboxes for AmVer, Marep, and Jasrep. At the bottom right are "Transmit Binary" and "Cancel" buttons, and a red asterisk note "\* Mandatory".

Proceed to fill out as much information as possible.



**Administration**

File Transmit Help

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**Ship Information**

Company Name: NOAA Call Sign\*: WTEO Maximum Speed Knots\*: 11

Ship Name\*: GORDON GUNTER IMO Number: 8835255 Sail Plan Default Navigation Method: CO

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**Sensor Information**

Thermometer Height: 10.6 meters Sea Surface Temp Type: intake measurement

Anemometer Height: 14.0 Wet Bulb Temp Method: measured

Barometer Height: 10.6 Anemometer Method: measured

Sea Surface Temp Depth: 4.0

floppy drive: A

---

**INMARSAT Data**

INMARSAT-C Mobile ID\*: 430396610

Emergency Watch (GMDSS) INMARSAT-C Mobile ID:

INMARSAT-A Number:

**Medical Staff \***

☐ Nurse ☐ MD ☐ VOSCLIM Participant

☐ PA ☒ None

**Forward**

☒ AmVer ☐ Marep

☐ Jasrep

Transmit Binary Cancel

\* Mandatory

Click on....Transmit Binary....as shown above.

**Administration**

File Transmit Help

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**Ship Information**

Company Name: NOAA Call Sign\*: WTEO Maximum Speed Knots\*: 11

Ship Name\*: GORDON GUNTER IMO Number: 8835255 Sail Plan Default Navigation Method: CO

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**Sensor Information**

Thermometer Height: 10.6 meter

Anemometer Height: 14.0

Barometer Height: 10.6

Sea Surface Temp Depth: 4.0

floppy drive: A

---

**INMARSAT Data**

INMARSAT-C Mobile ID\*: 430396610

Emergency Watch (GMDSS) INMARSAT-C Mobile ID:

INMARSAT-A Number:

**Medical Staff \***

☐ Nurse ☐ MD

☐ PA ☒ None

**Forward**

☒ AmVer ☐ Marep

☐ Jasrep

Transmit Binary Cancel

\* Mandatory

**Save File for Transmission**

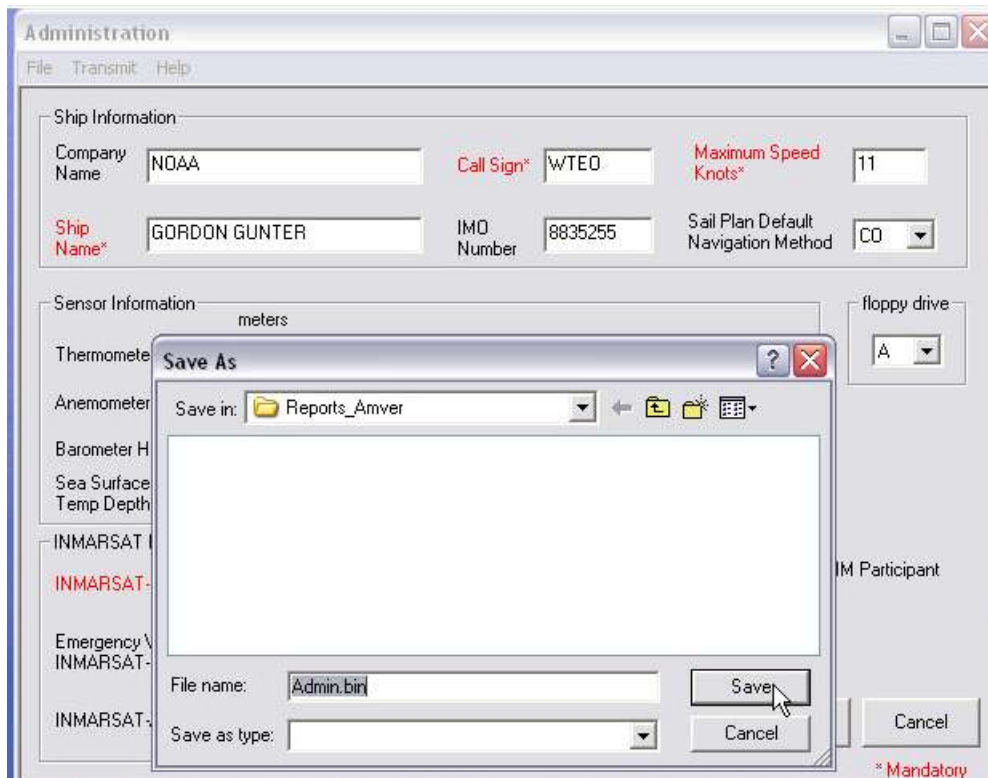
Save file for later transmission.

To save on floppy, insert diskette in floppy drive and select 'Floppy'. Select 'Browse' to save file to other location.

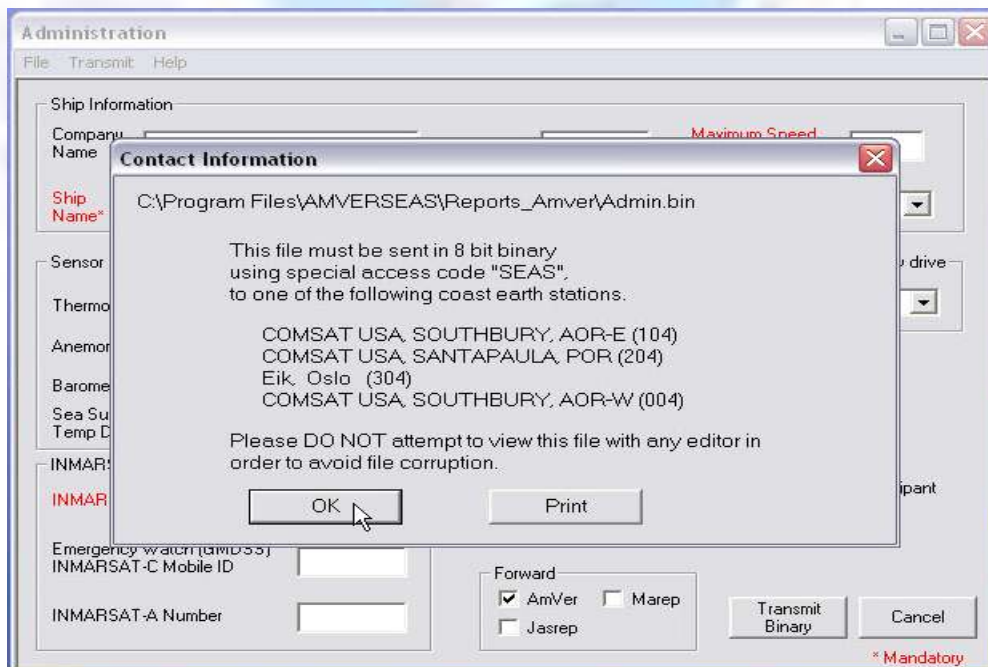
floppy Browse Cancel

Click on Browse as shown to your left and save this file in the default location.





Click on "SAVE"



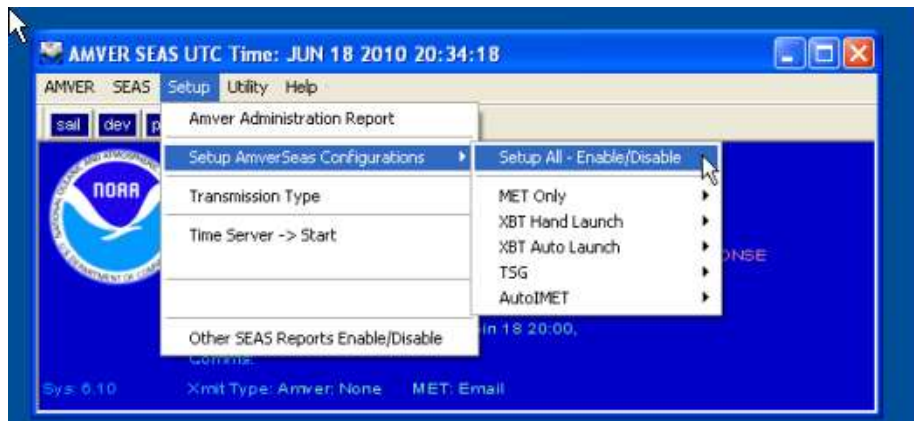
Click on "OK"

You have successfully downloaded the AMVERSEAS with AutoIMET.  
AutoIMET is embedded and the following pages will walk you through  
the entire set up.

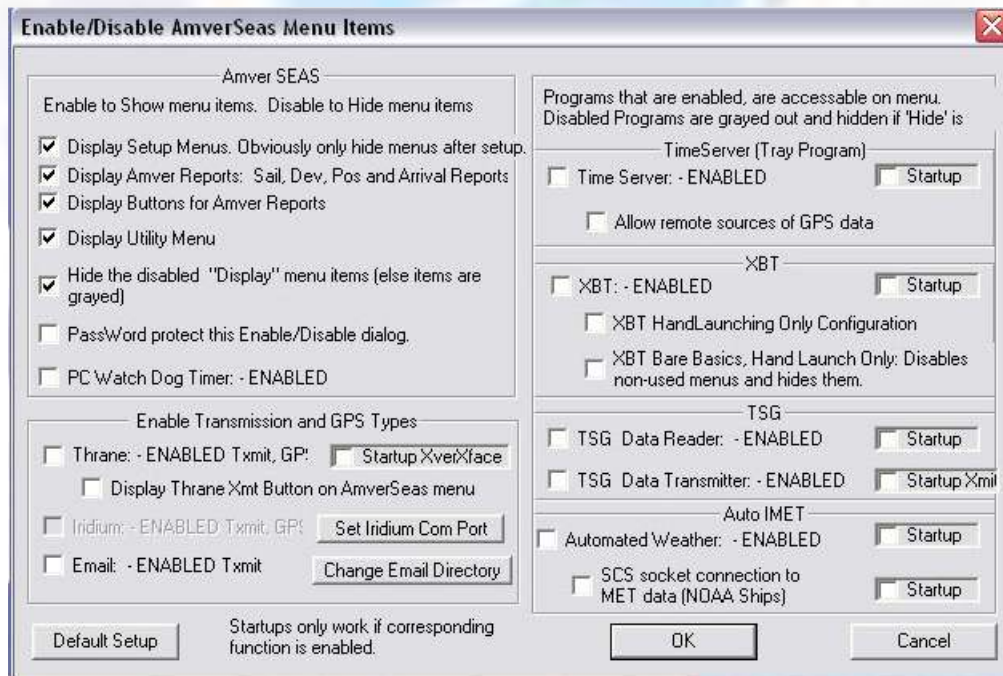


## Setting up AutoIMET.

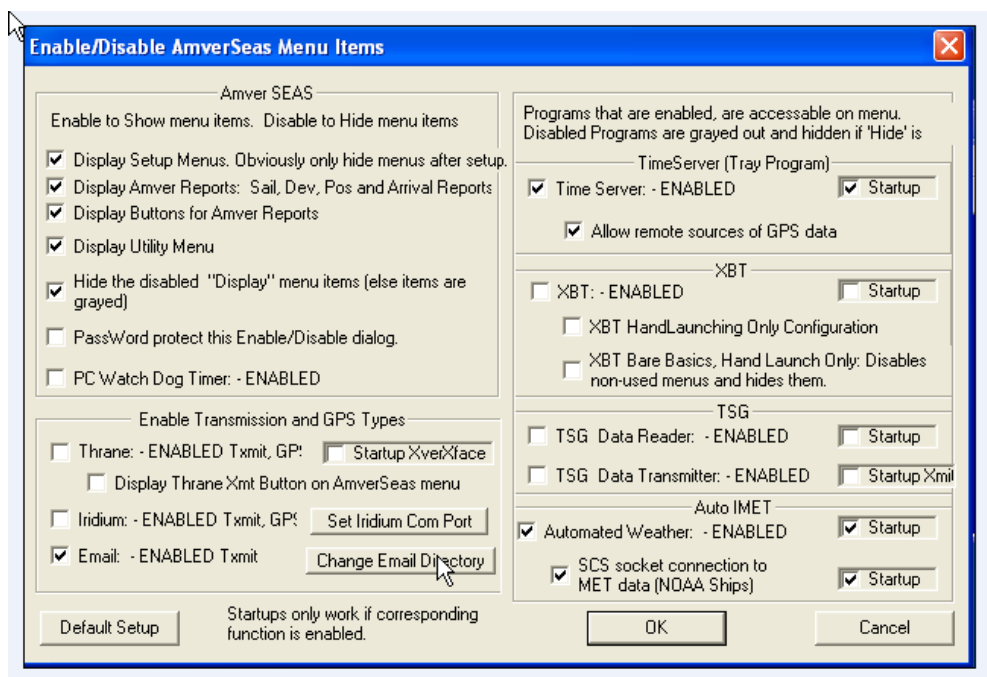
## Setting up Transmissions...



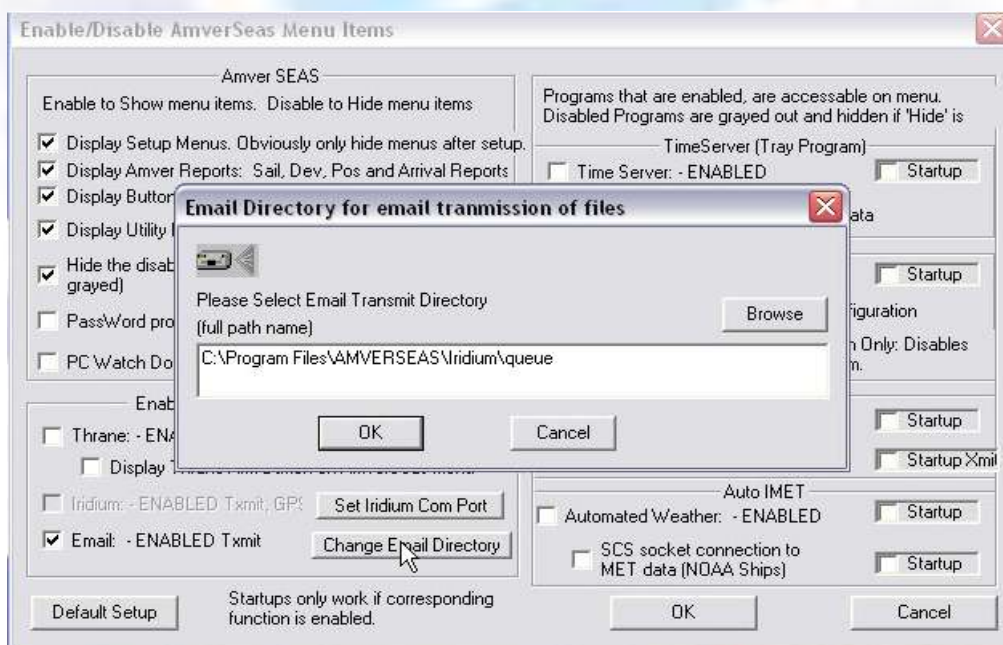
At the setup menu, scroll down to the Enable/Disable Functions as shown above.



This will be the menu that you will see. You will need to check off certain blocks to enable transmission properly.



Be sure to check off all boxes as shown above.



Under the “enable transmitting and GPS Types”, click on “change Email Directory”.

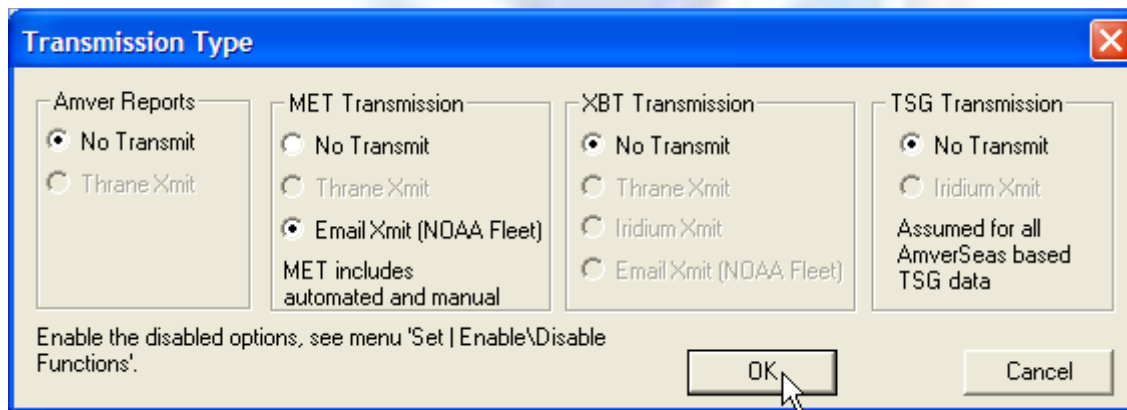
Be Sure the path reads as above:

**C:\Program Files\AMVERSEAS\Iridium\queue**

Click “OK”

## Setting up Transmission Type

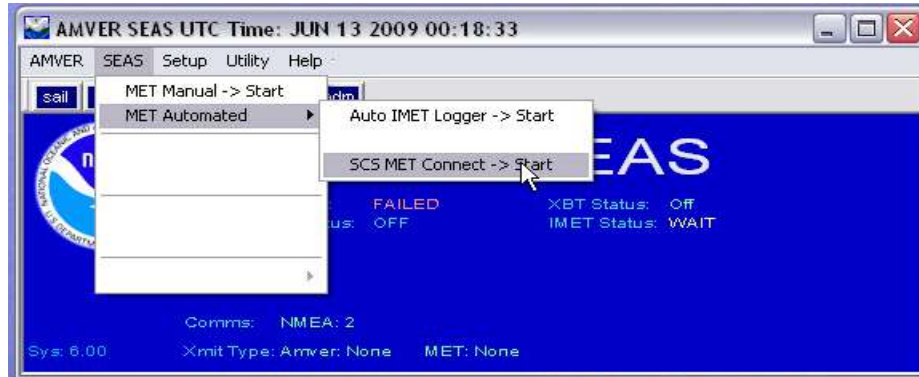
Back at the AMVERSEAS Menu, go to “SETUP”  
Scroll down to “Transmission Type”



In the second column, check the “EmailXmit (NOAA Fleet), this enables the function of MET Transmission. Click “OK”



## Starting the SCS Socket



As shown above at the AMVERSEAS menu, go to...

**SEAS, MET Automated, SCS MET Connect - > Start**

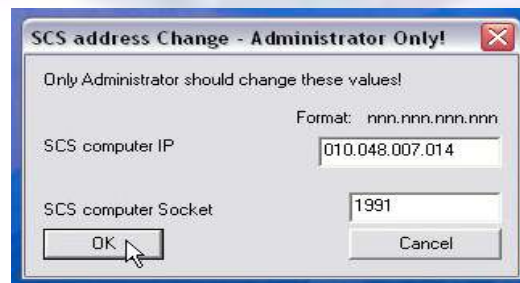


This starts the SCS socket which collects data from the SCS Message. Socket program will appear in the bottom right of PC display in the system tray as a green box (as shown above).

The numbers are displaying seconds. It is updated every 3-4 secs. Once the green box is visible, right click on it (the green box in system tray) and set the SCS socket address and the SCS IP address. Please use exact format for IP address 3 number (with leading 0's if need be) for each section of IP address.



This is how it appears when you right click on the green box. Choose SCS Socket Address.

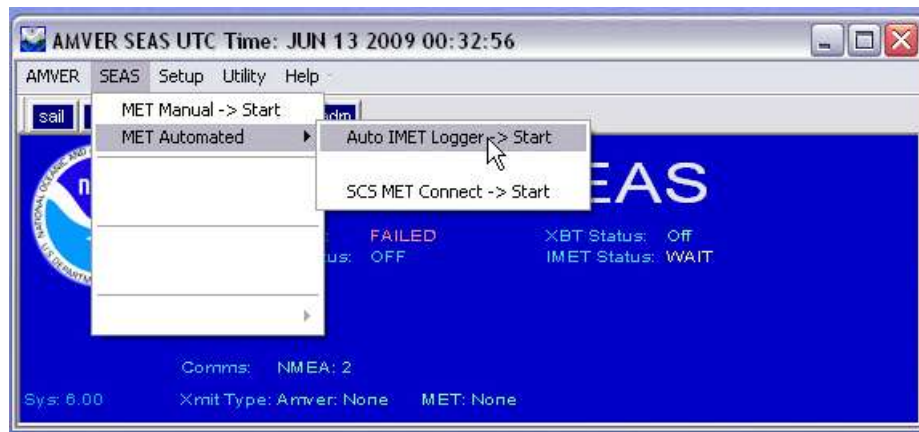


Type in the IP address for the SCS computer. Be sure to use the EXACT format for the IP address...3 numbers for each section of the IP address.

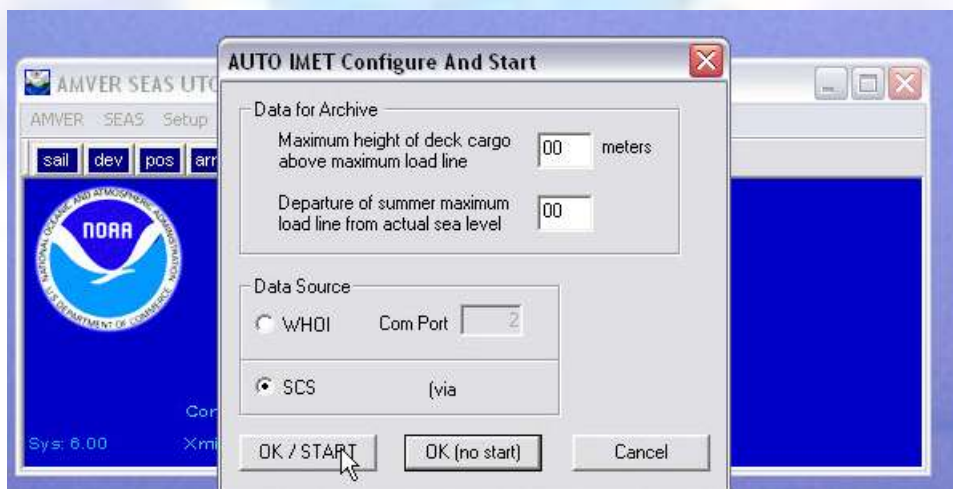
Click "OK". (\*above IP and Socket are particular to NOAA GORDON GUNTER.)

## Starting the Auto IMET Logger

Go back to the AMVERSEAS Menu.

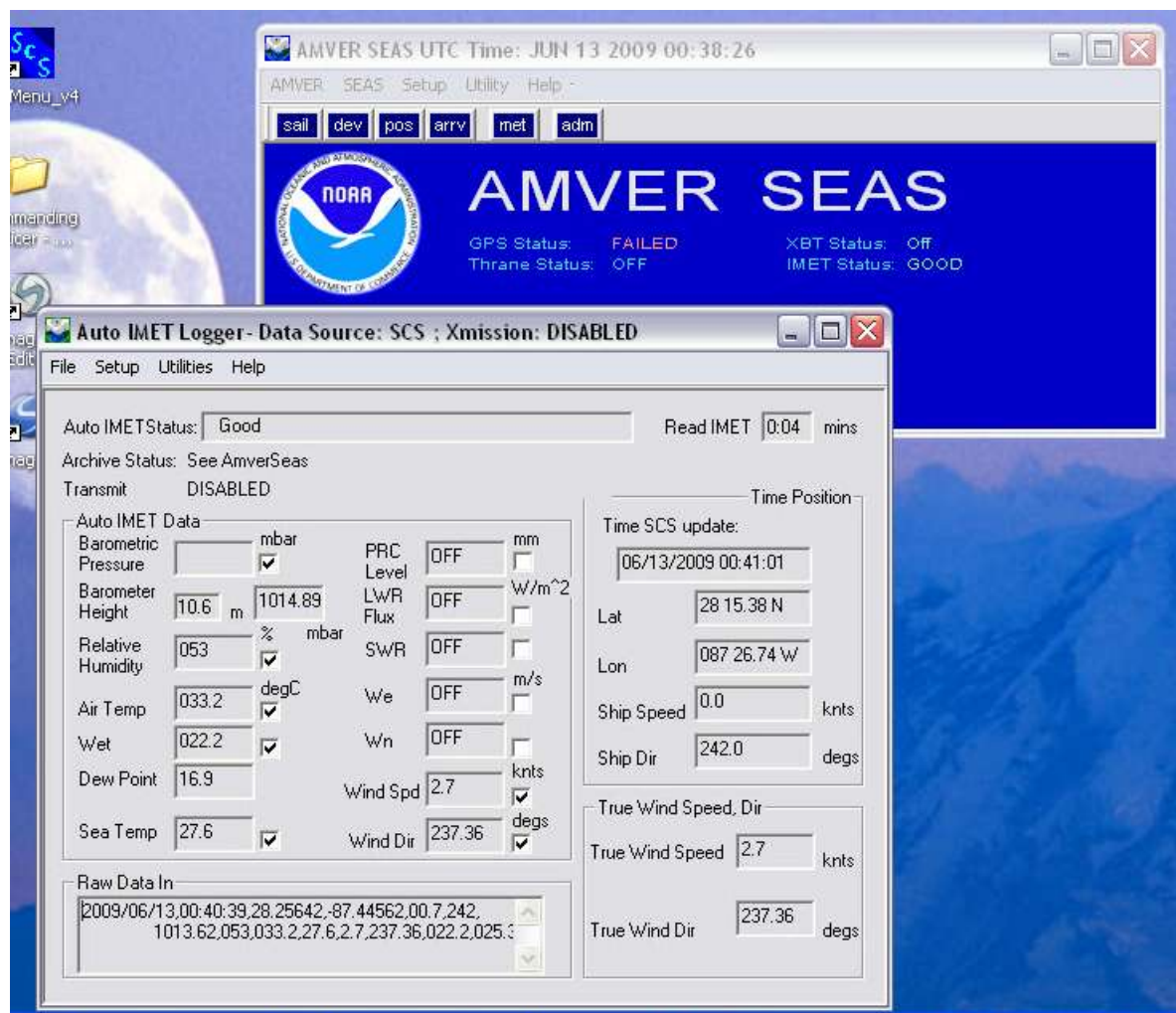


At the AMVER SEAS, at the SEAS menu, scroll down to MET Automated, Auto IMET Logger - > Start as shown above.



Data for Archive (if you have the data). DATA SOURCE , highlight SCS as shown in the example above. Click "OK/START".

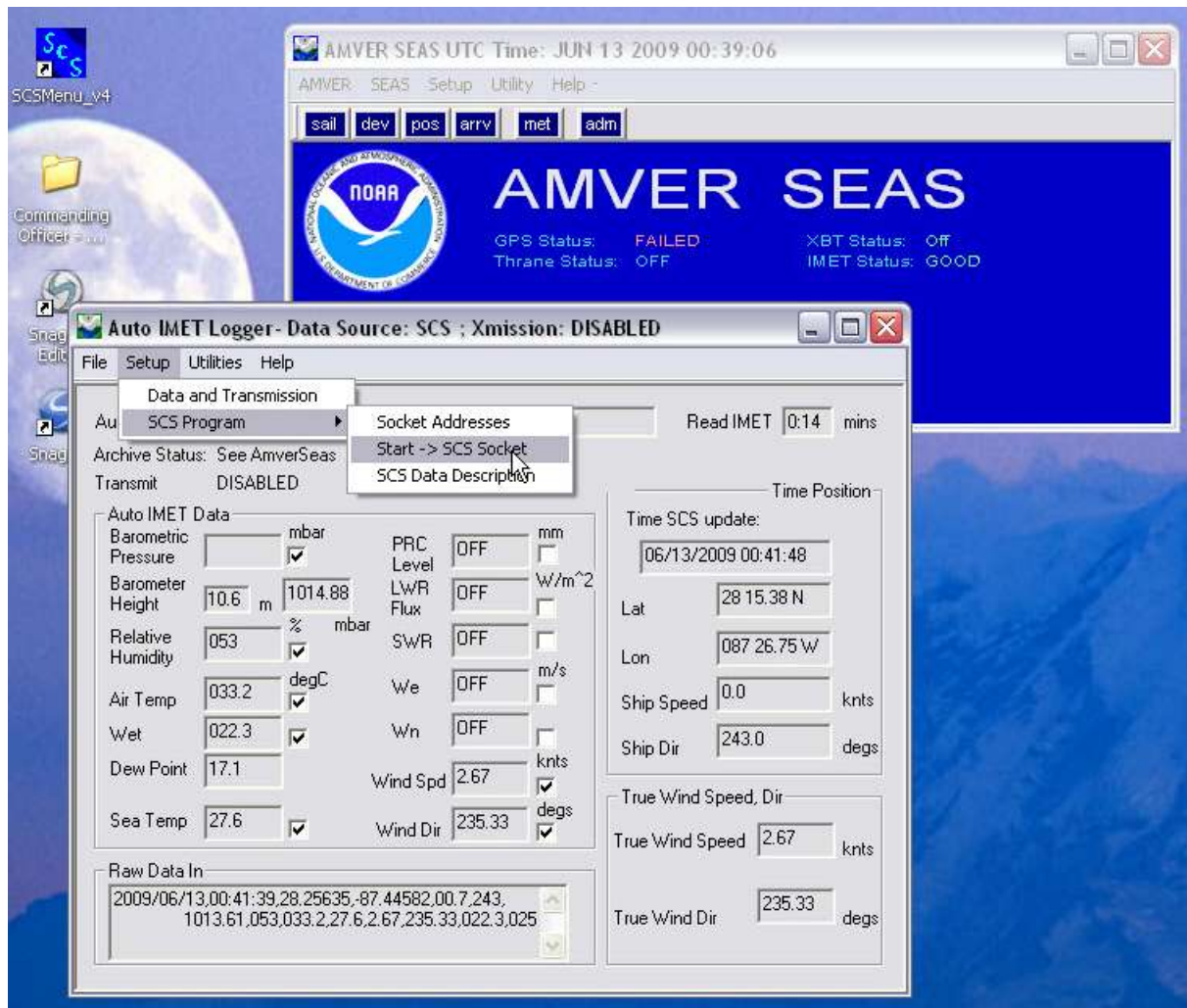
AFTER you click OK/Start, the Auto IMET Logger should appear as shown on the following page.



### NOTE:

The AutoIMET Logger shows the data being collected, their values, raw data in the raw format (lower left hand corner) as well as the Status. This is where you can toggle any element off by unchecking the box, if you suspect erroneous data.

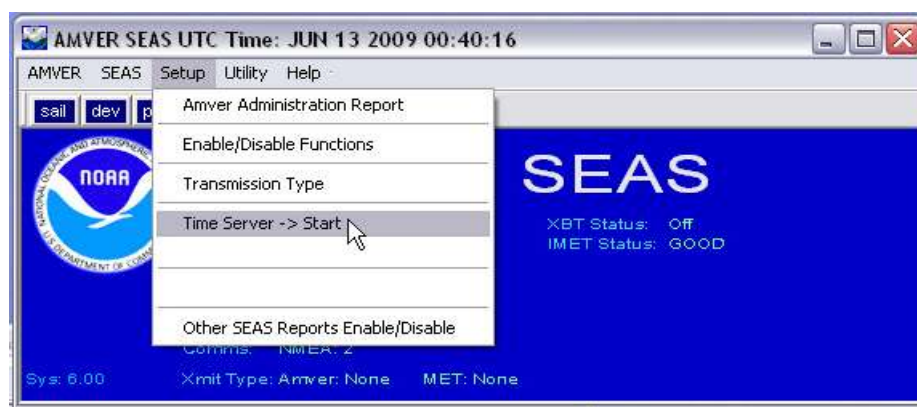




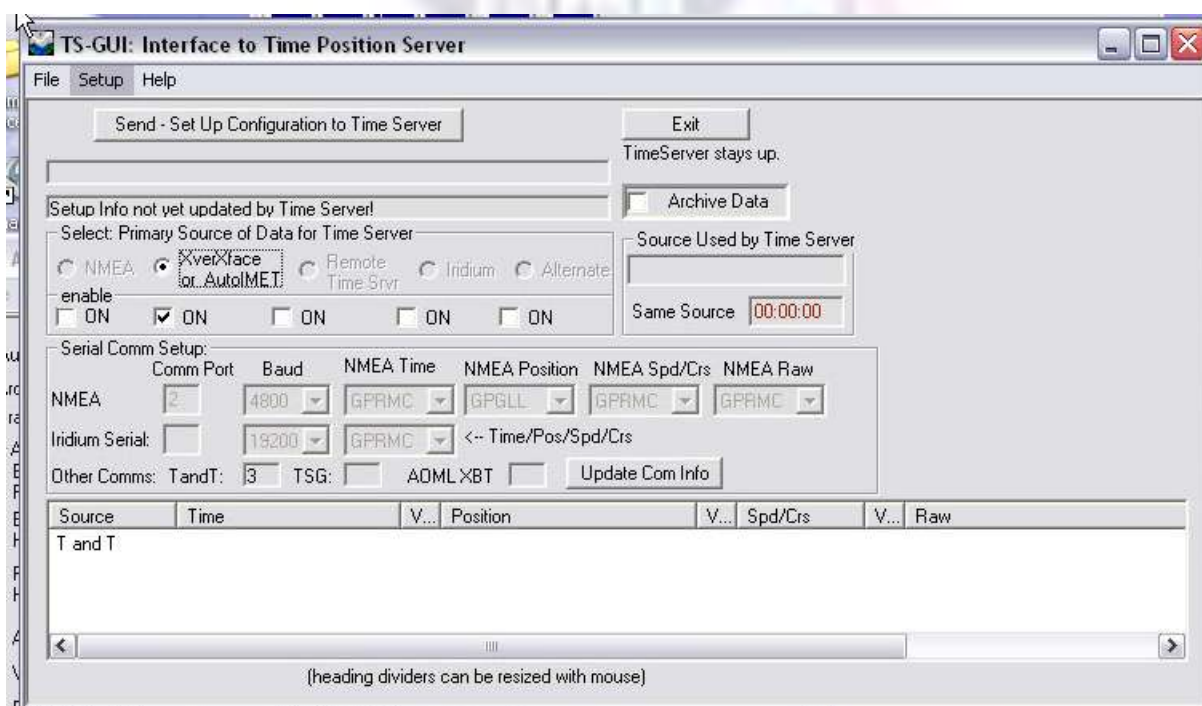
Once at the AutoIMET Logger, go to the Setup menu, scroll to “SCS Program”, then down to “Start -> SCS Socket

This will start or enable the SCS Socket. The logger will close.

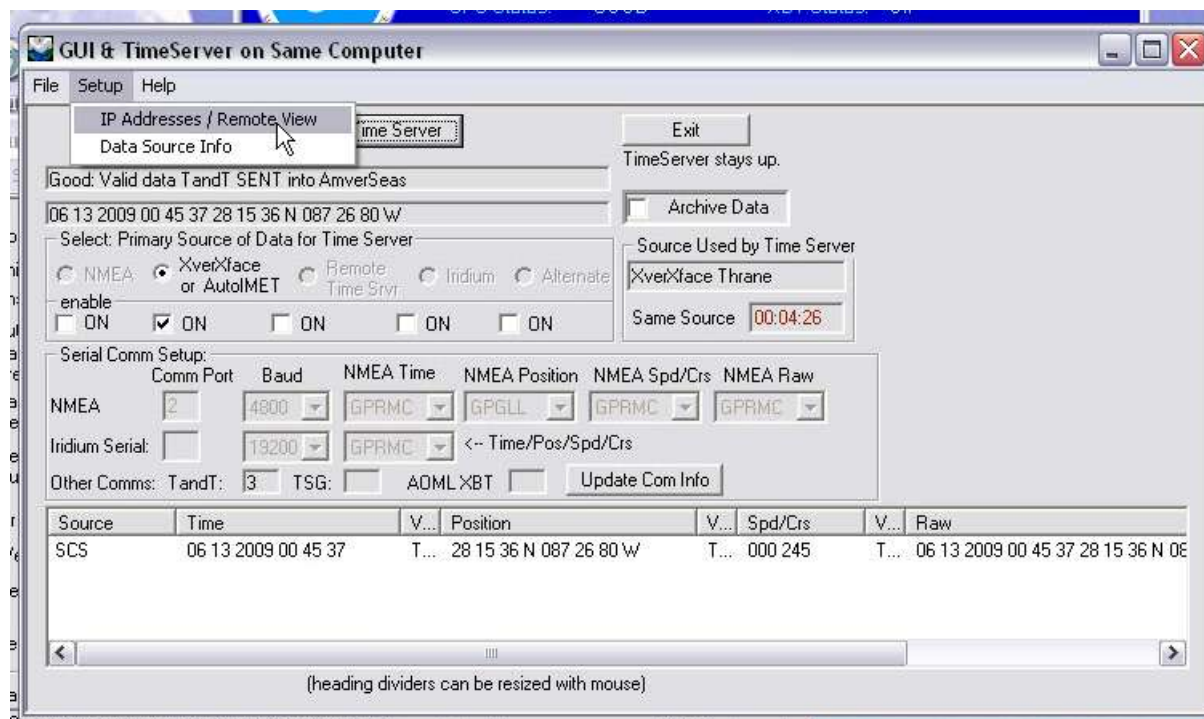
## Starting the Time Server



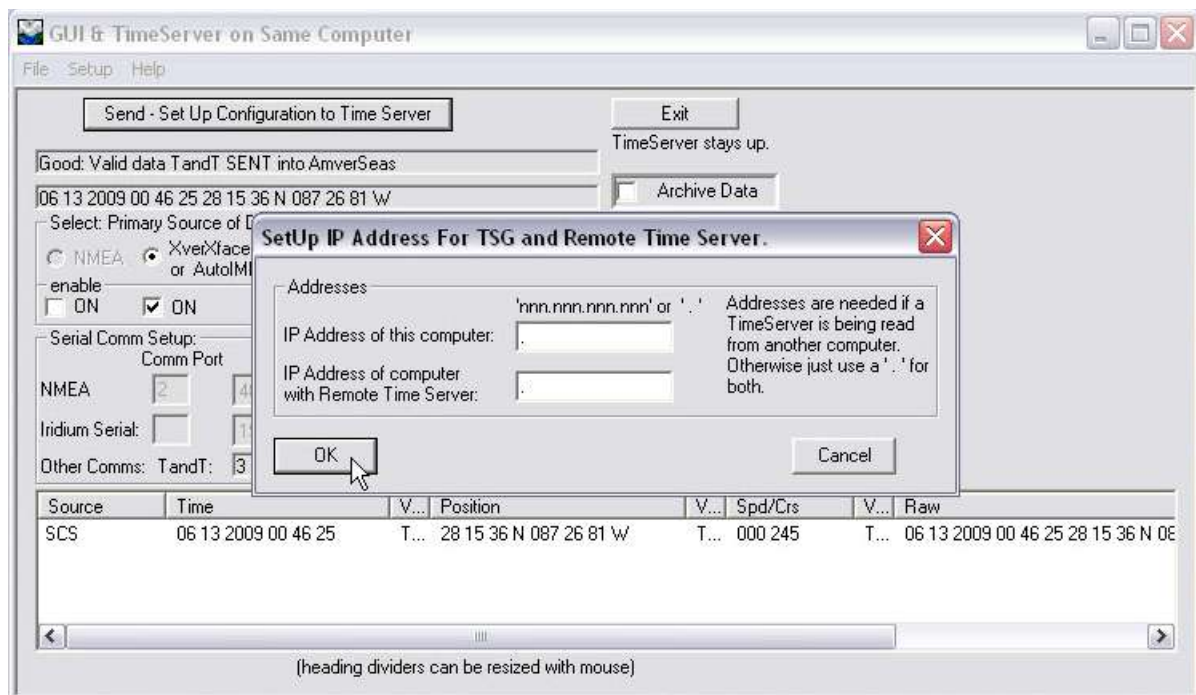
As shown above, go to the menu, choose “Setup”, then scroll down to “Time Server -> Start”.



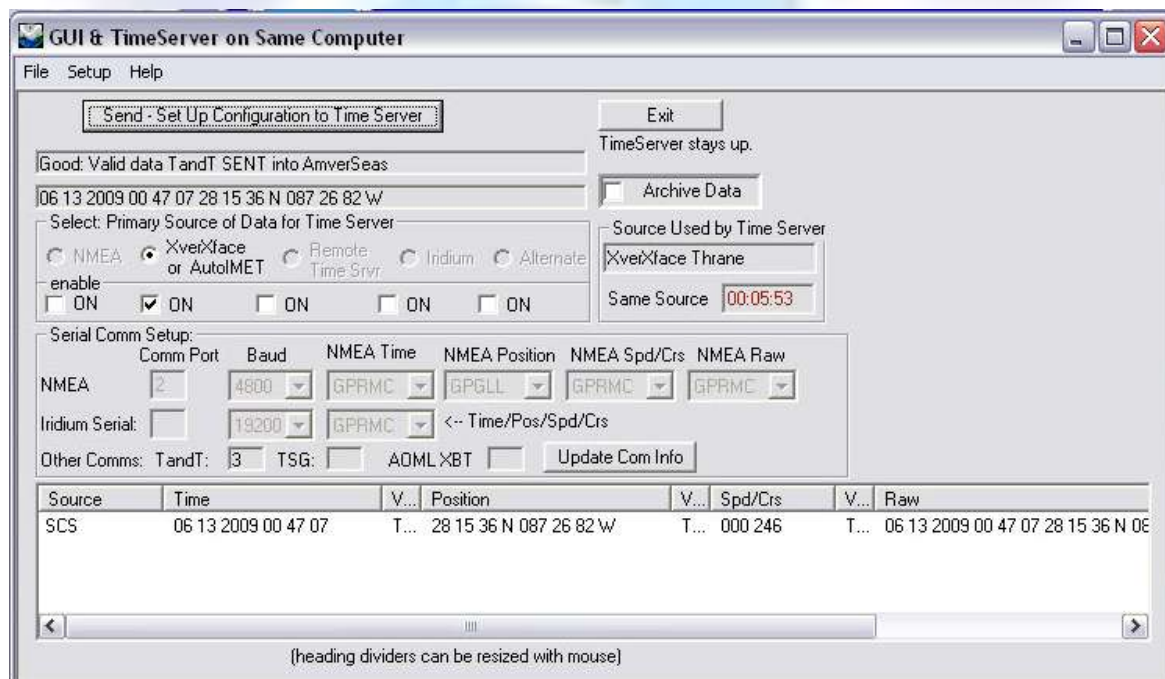
The Time Position Server will pop up as shown above. This needs to be set up as well. Be sure that the Primary Source of Data for Time Server is clicked and enabled as shown above. The XverXface or AutoIMET should be checked as well as the ON block below as shown in the example above.



As shown in the above example, go to “Setup”, scroll down to “IP Addresses/Remote View. Here you will need to set up the IP address for the TSG and the remote Time Server.



The IP address on the computer will most likely be “Dynamic” rather than “Static”. In the case for a “Dynamic IP Address”, simply input a “.” (period) into both the IP address of this computer and the IP address of computer with Remote Time Server. As shown in the above example. Click “OK”.



Good Valid Data should be indicated soon after clicking “OK”.



## How to install and setup the SMTP mailer service.

(Once installed this service will restart automatically on reboot.)

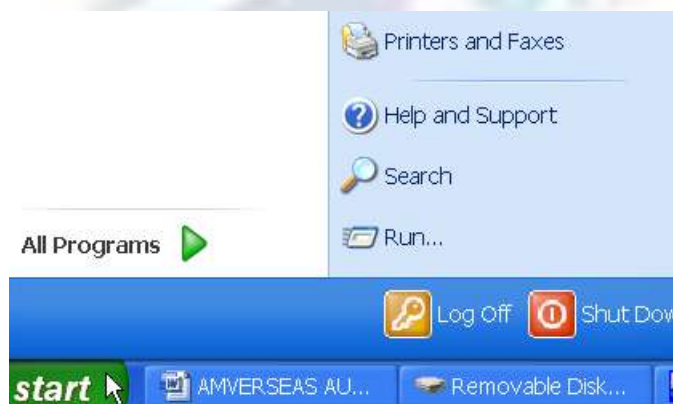
How to install and setup the SMTP mailer service. While Iridium is the name of this Mailer Service, this service is an SMTP service that can configure an internet connection via Iridium modem or LAN connection. Insure that the Iridium.exe is found in the path shown on the DOS window. Most likely this path will be "C:\Program Files\AMVERSEAS". If not, you can navigate to here in the DOS window, use windows explorer to copy "iridium.exe" to the "C:\\" directory and execute from there. The command to be typed into the DOS window is:

Transmitting using Computer Internet Connection: "**iridium.exe -i -lan**"

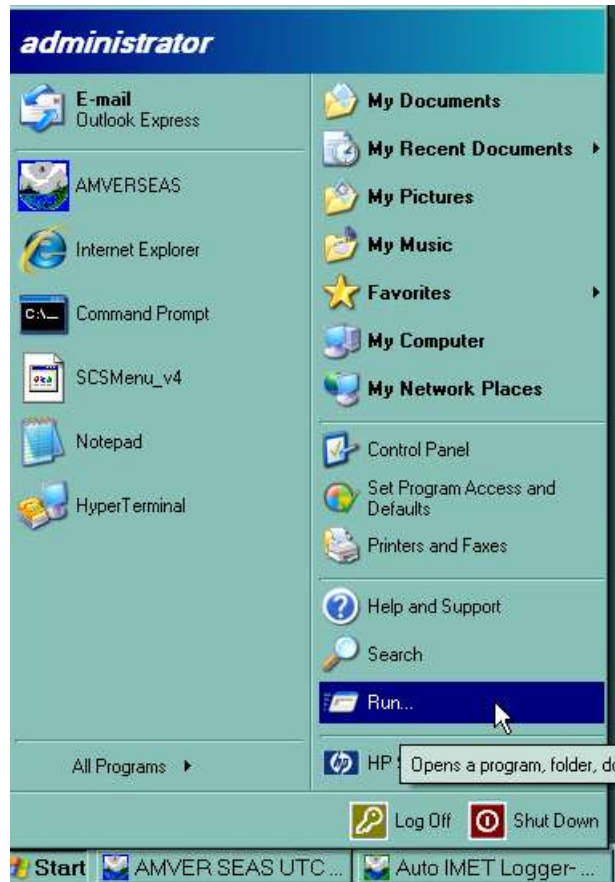
**\*NOTE:** Executing this command installs the e-mailer as a Windows service. The command will create the directory path "C:\Program\Files\amverseas\iridium\bin" and copy the executable to that location.

Please be sure that you see:

"C:\program\files\amverseas\iridium\bin\iridium.exe". If not run "iridium -u" to uninstall and then reinstall by retyping the command "iridium.exe -i -lan" as specified above.




You will need to open to a command prompt. Go to "start" as shown above.



.....then move your mouse to the right column of commands to “RUN” as shown above.



Type “cmd” and click “OK” This will get you to a Command Prompt.



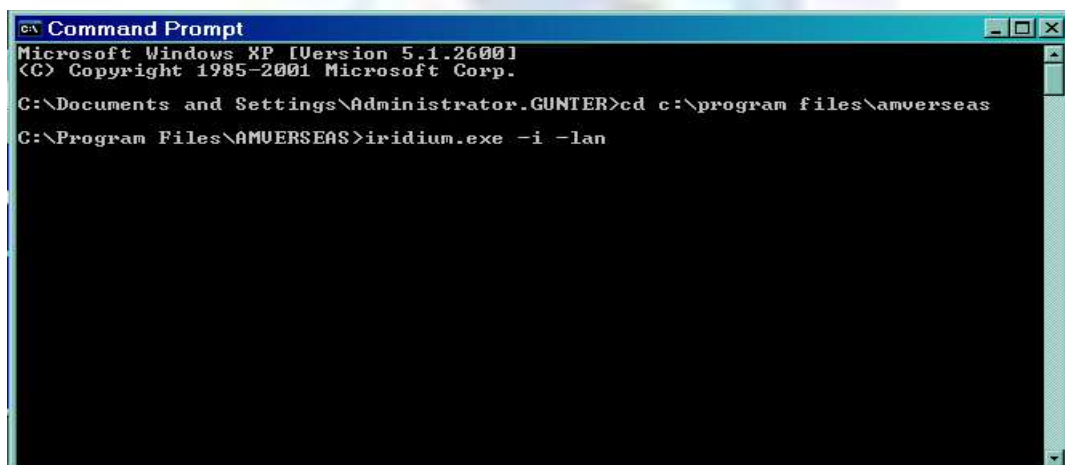
```
C:\ Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Administrator.GUNTER>
```

Above is an example of a command prompt.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Administrator.GUNTER>cd c:\program files\amverseas
C:\Program Files\AMVERSEAS>
```

Type after the command prompt> cd c:\program files\amverseas HIT RETURN

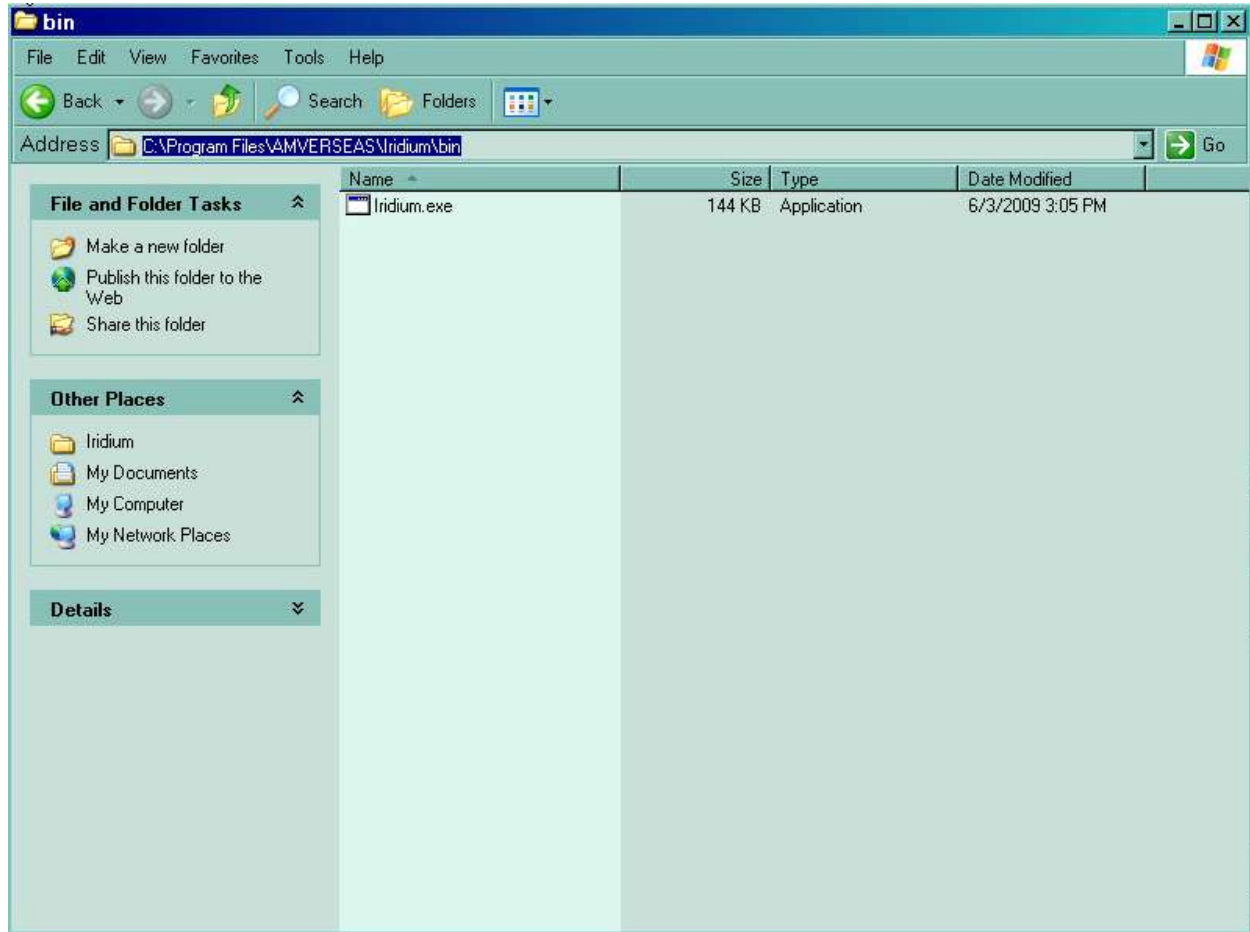


```
C:\ Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Administrator.GUNTER>cd c:\program files\amverseas
C:\Program Files\AMVERSEAS>iridium.exe -i -lan
```

As shown above, >iridium.exe -i -lan HIT RETURN

This is how the iridium.exe path should look in the Command Prompt

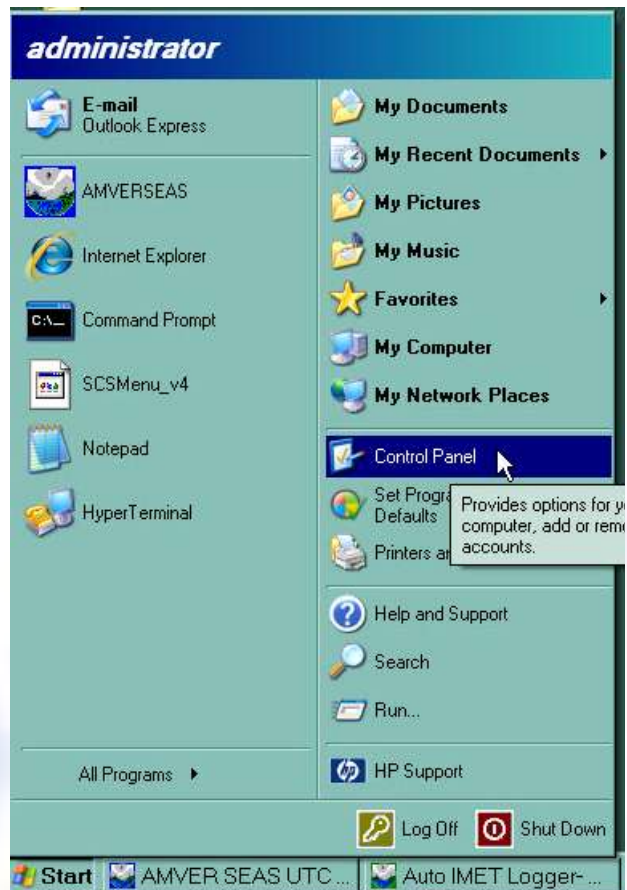
**NOTE:** This is worthy of repeating....Executing this command installs the e-mailer as a Windows service. The command will create the directory path "**C:\Program Files\amverseas\iridium\bin**" and copy the executable to that location. Please be sure that you see "C:\program files\amverseas\iridium\bin\iridium.exe". If not run "iridium -u" to uninstall and then reinstall by retying the command "iridium.exe -i -lan" as specified above.



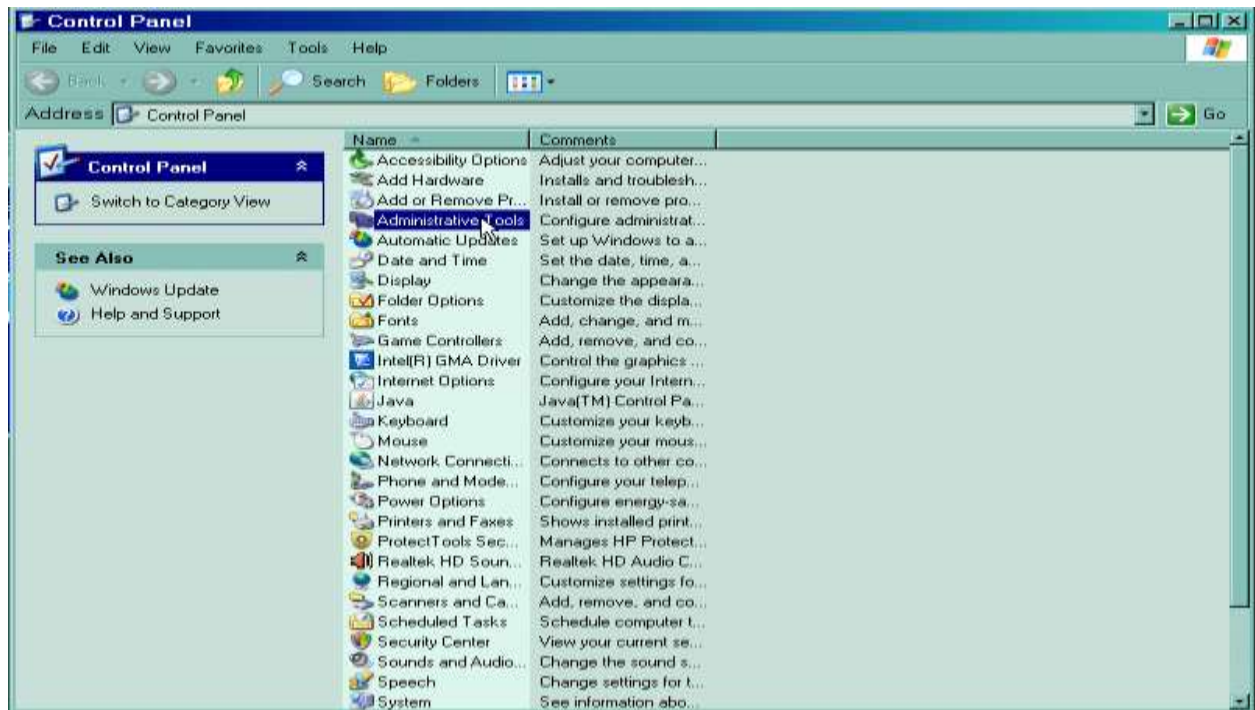
Directory Path is Correct as shown above



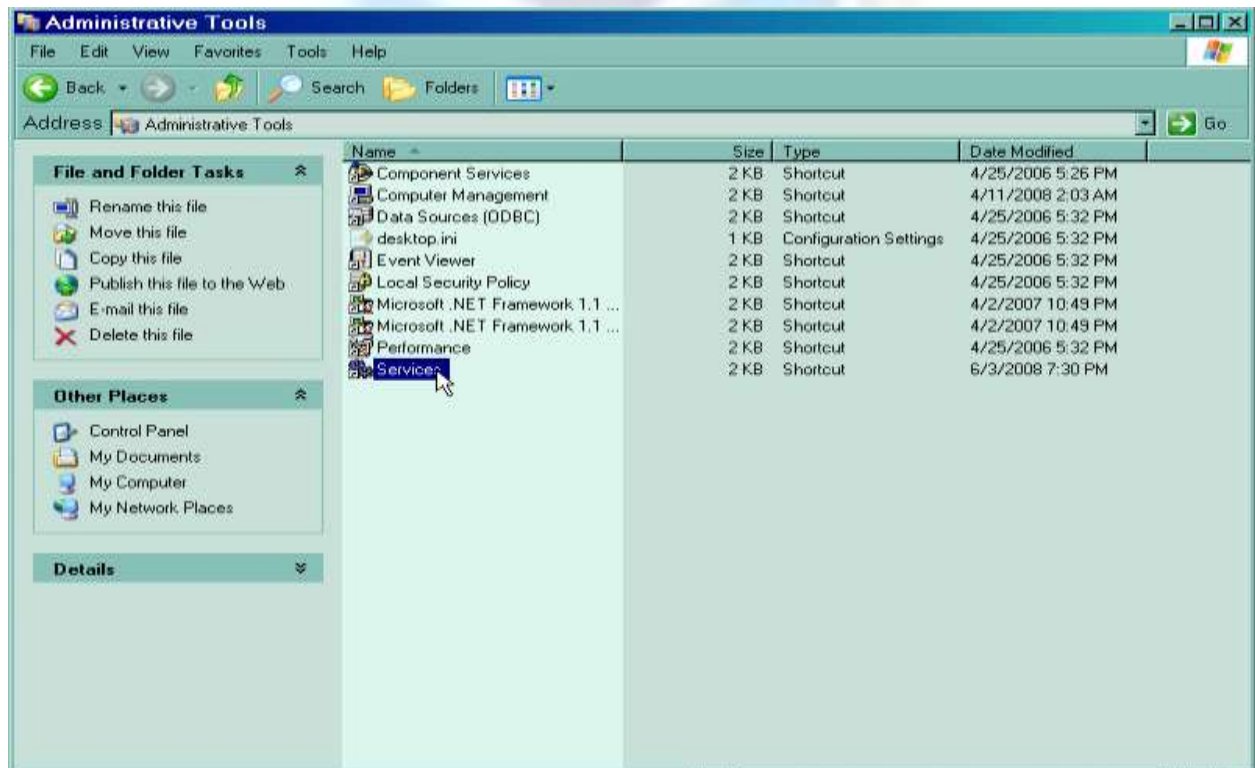
Launch the Control Panel and open Administrative Tools/Services. This will start the service "NOAA Iridium Mailer"



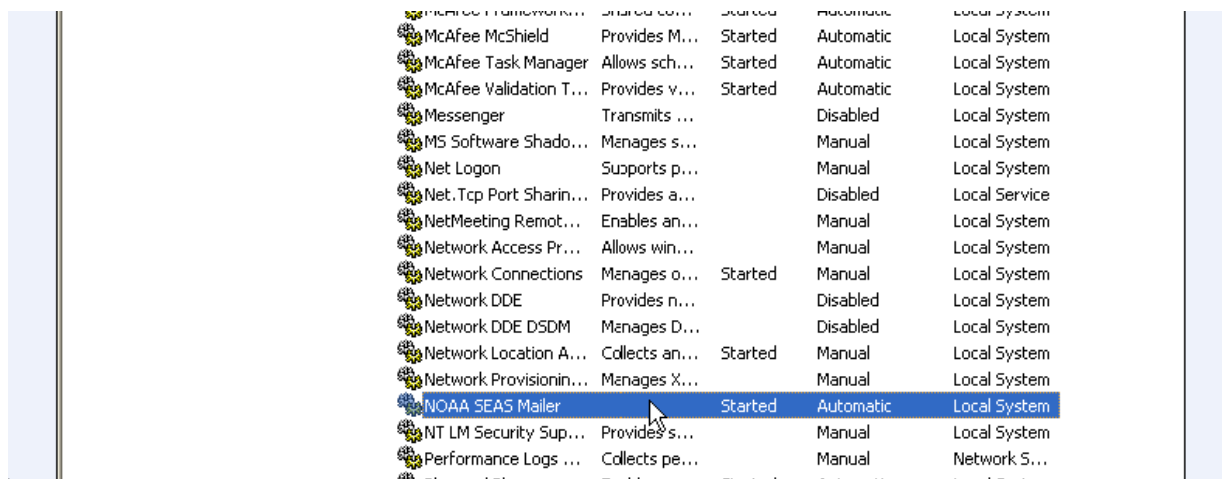
As the example shows above, double click on "Control Panel"



At Control Panel, as shown above, double click on “Administrative Tools”

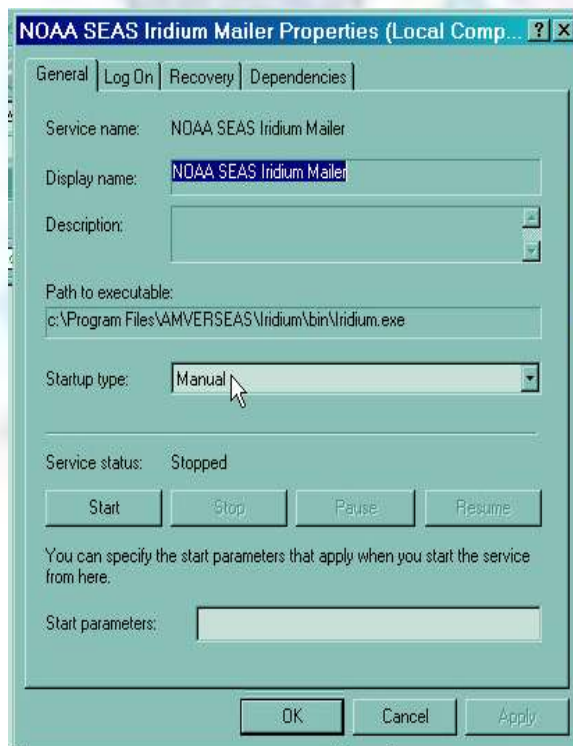


As shown above, double click on “Services”

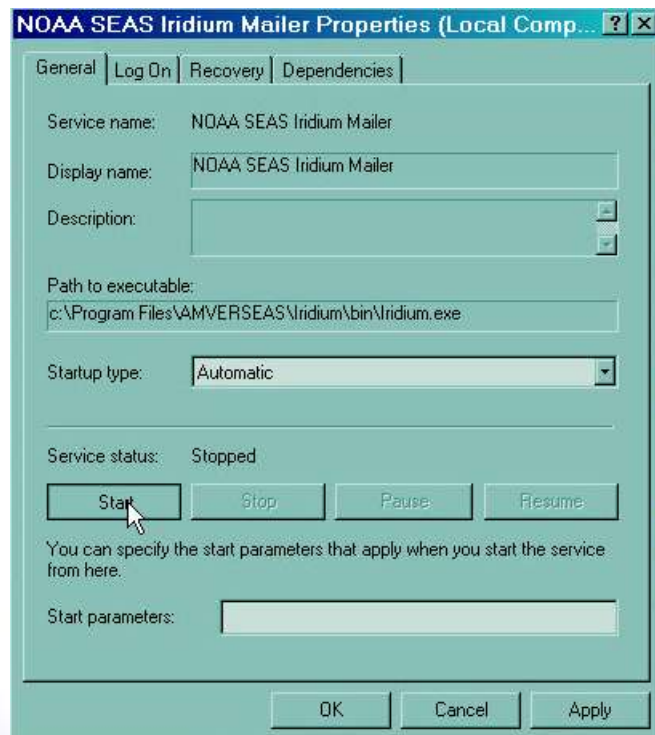


As shown above double click on “NOAA SEAS Mailer”

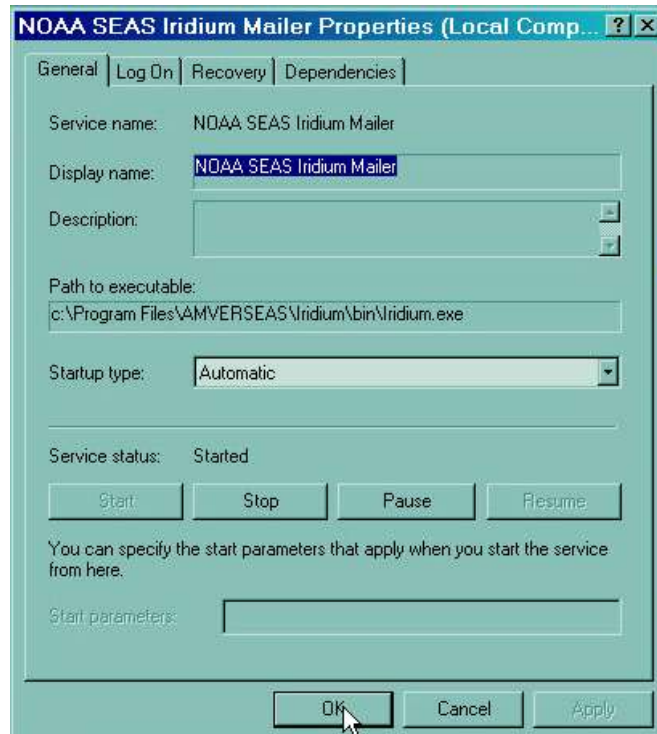
**\*Note: the name NOAA SEAS Iridium Mailer was changed. It is now called NOAA SEAS MAILER.**



This is the Iridium Mailer and the Properties. At the arrow you can see where it is on “Manual”.....this needs to be changed to Automatic.



**Change the Start up type to Automatic and click “start”. You should see the Service Status change from Stopped to Started within a few seconds.**



The Iridium Mailer, on Automatic, Started....click “OK”

The Iridium Mailer Service will now monitor the directory "C:\program files\amverseas\iridium\queue" once per minute and send any deliverable files through e-mail.

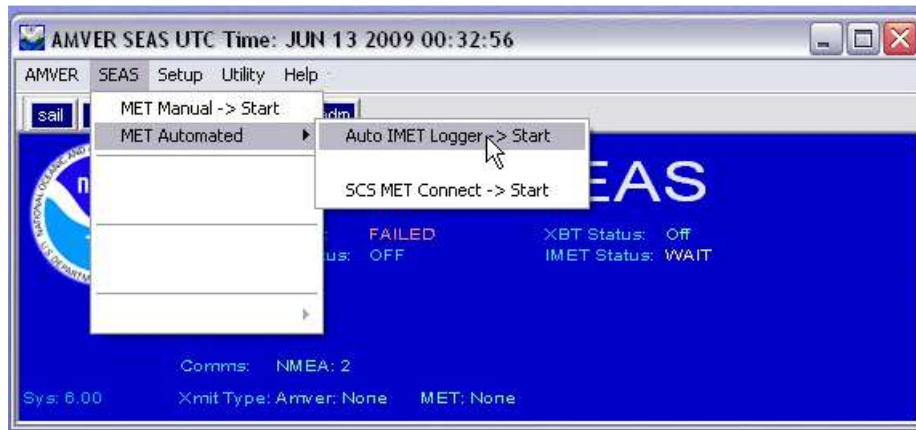
**NOTE:** If the call does not complete, a retry will occur 6 minutes after the initial try and if there is another failure a retry will occur 11 minutes after the first retry. If the second retry fails, there will be a 12 hour wait before another attempt unless the service is restarted.

In order stop this service go into “Administrative Tools | Services” and double click on service to stop service. This will need to be done if the “AmverSeas” folder is moved or renamed. Please restart service when ready.

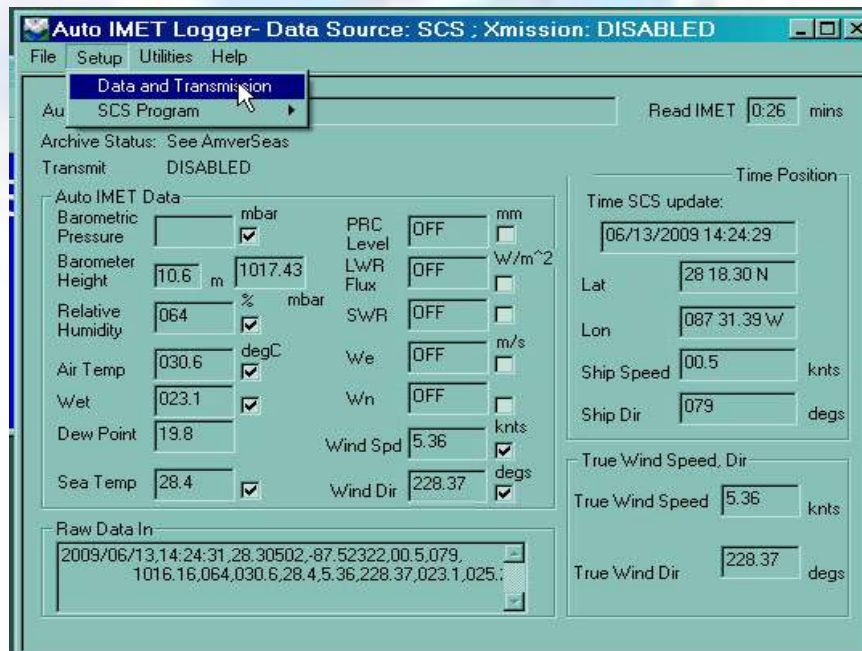


## Setting up AutoIMET Data Source and Transmission Type

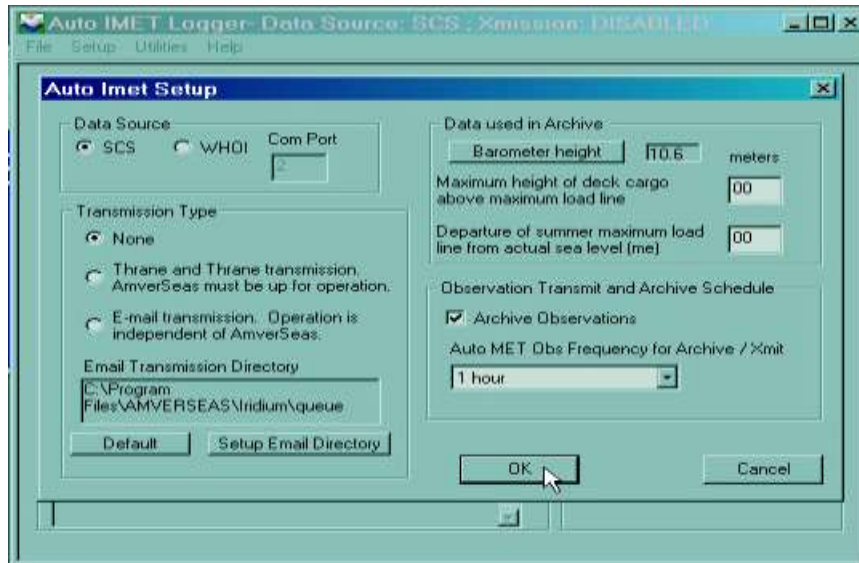
After the Mail Service has been started start the AutoIMET Logger as shown below.



AutoIMET Logger will pop up, in the LOGGER Menu, click on “Setup”, then scroll down and double click on “Data and Transmission”



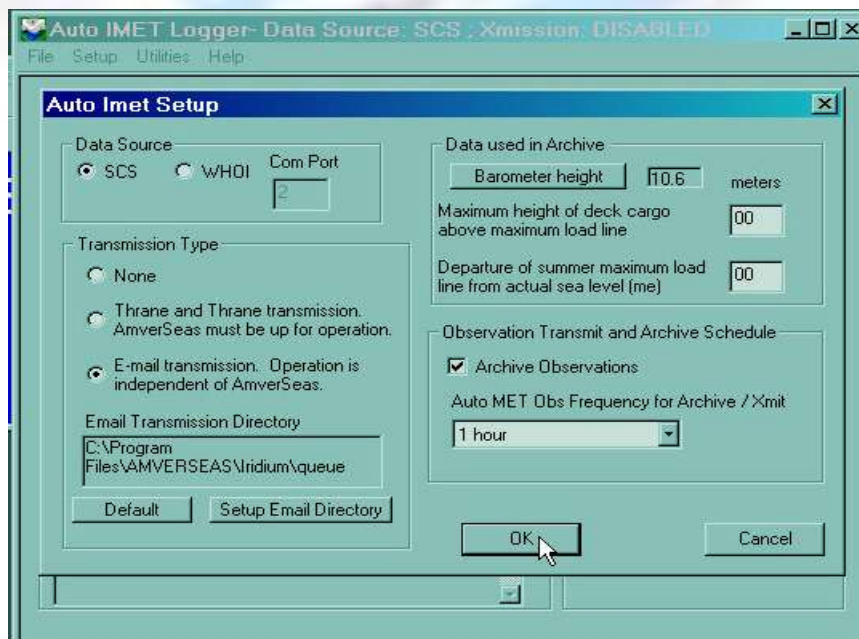
Now you will need to set up the Auto IMET Data Source and Transmission Type.



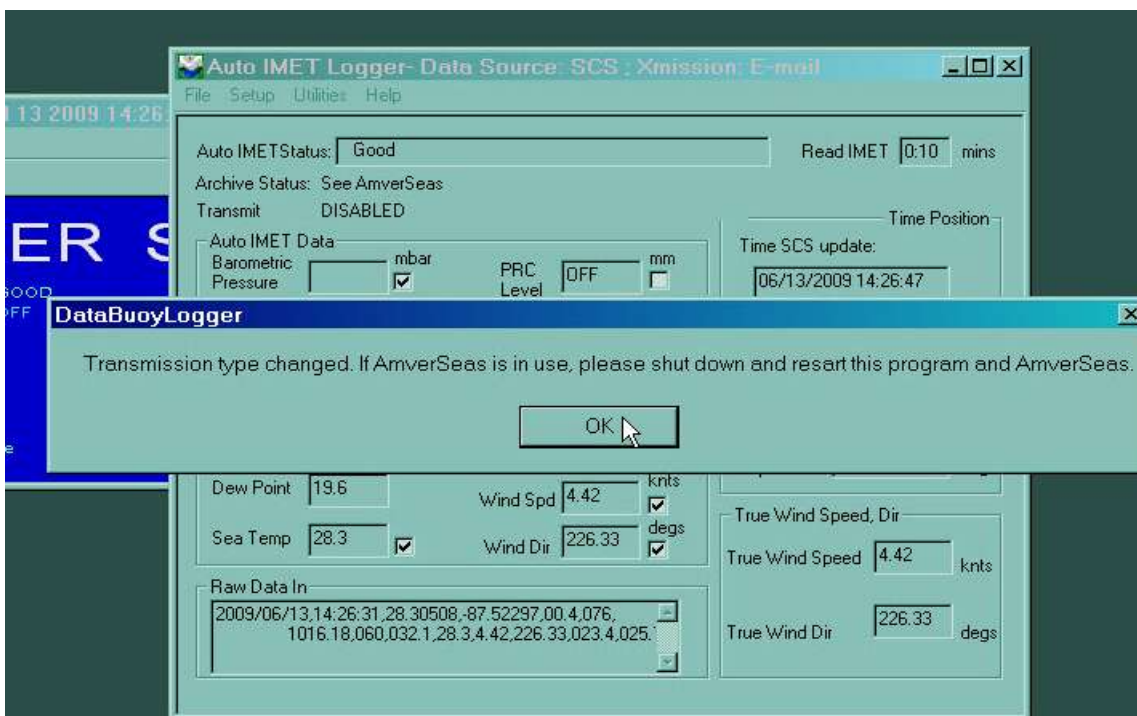
The Auto IMET Setup screen will pop up...

Data Source should be SCS, Transmission Type should be E-mail Transmission. Double check Email Transmission Directory for correct path. Data used in Archive...barometer height should be placed here along with other requested data if known. Observation Transmit and Archive Schedule. Archive should be checked and Auto MET Obs Frequency for Archive/ Xmit should be picked. 1 hour is usually the normal frequency. Click "OK".

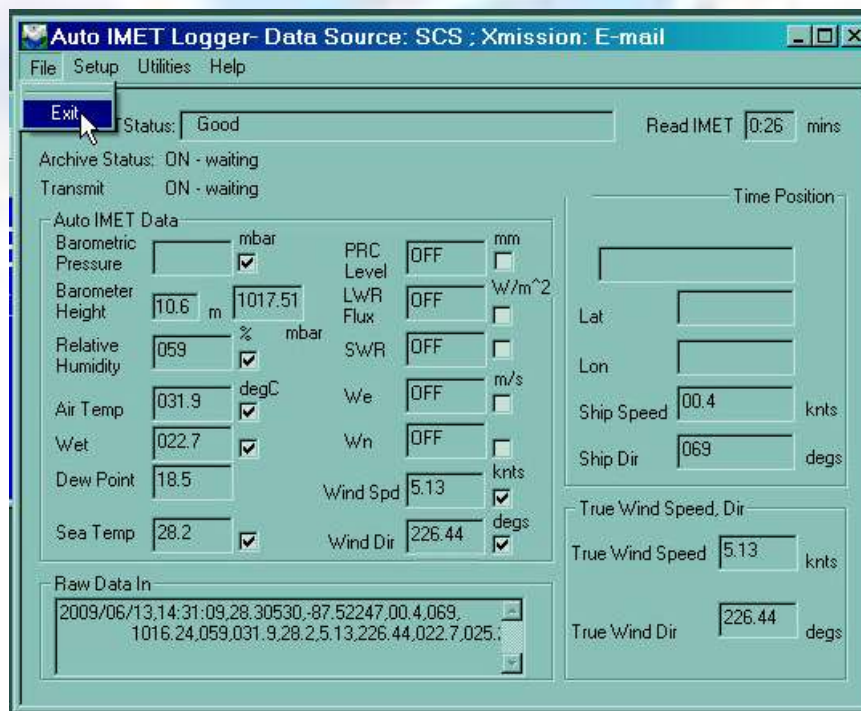
Below is an example of a proper setup for the Auto Imet Setup.



Click “OK” as shown above



At this point, Click “OK” and shut down.



Shut down the Auto IMET Logger. At the Auto IMET Logger, in the menu, go to “FILE”, Scroll down and click “EXIT”





Shut down the AMVER SEAS. At the AMVER SEAS Menu, go to “AMVER”, scroll down to “EXIT” and click.

You should be logged out of both programs at this point.

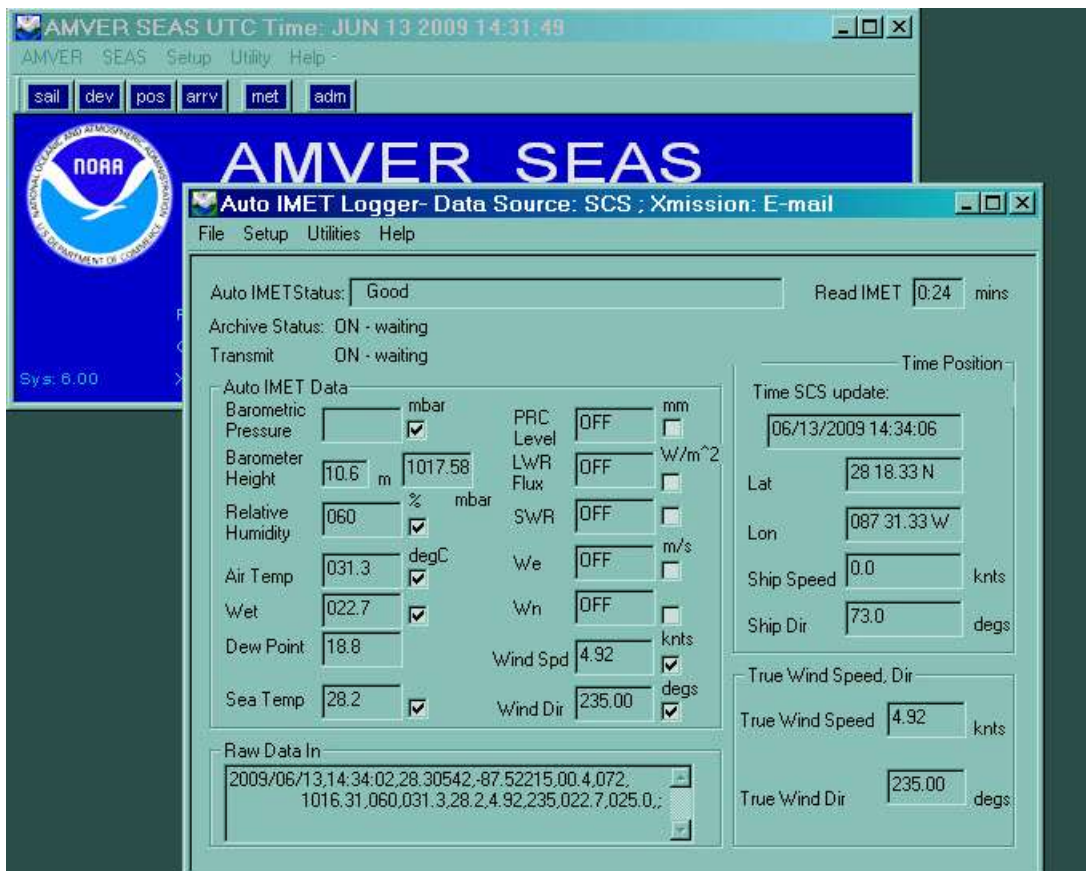
**NOW>>>>>Restart!**

Go to your desktop ICON and double click on the “AMVERSEAS” ICON

When the AMVER SEAS comes up, go to the main menu, go to “SEAS”, scroll down to “MET Automated”, then on to “Auto IMET Logger ->Start” as shown in the below example.



You should see good data being sent into the logger. This is the end of the installation for the AMVERSEAS AutoIMET Portion.



## SCS Scientific Computer System Setup

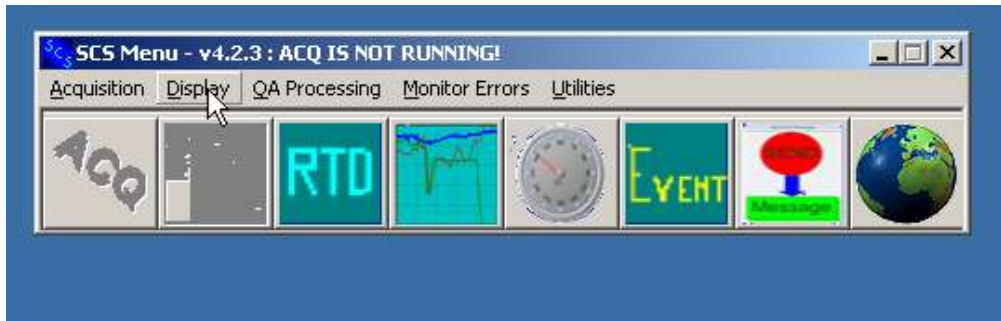
Proper message template setup for the “SCS” is necessary for successful data collection. The following section describes and shows screenshots of the step by step procedure for setting up a message template for use with the AMVERSEAS AutoIMET. Setting up the SCS message template will be the task of the ET/IT on the NOAA Vessels. The PMO should be familiar with this process and assist the ET/IT as needed.

*It is very important to note that the sensors and all other data inserted into the template must be in the exact order as shown with commas between each value type and semicolon at the end of message.*

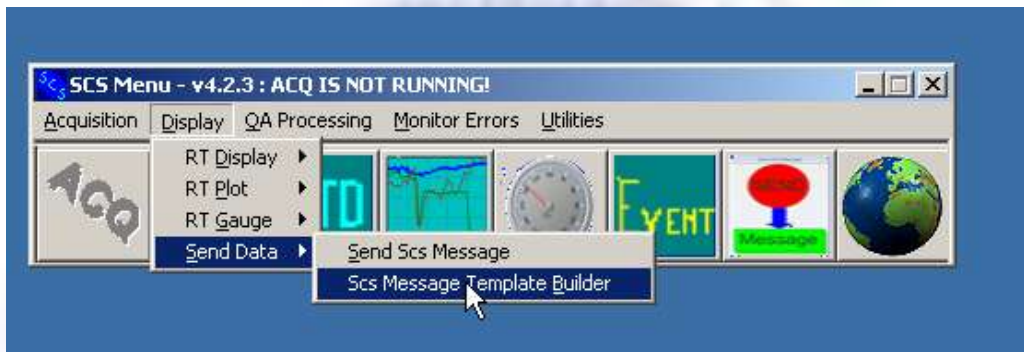
YYYY/MM/DD  
HHMMSS  
Lat  
Long  
SOG (speed over ground)  
COG (course over ground)  
Barometric Pressure  
Relative Humidity  
Air Temp  
SeaTemp  
wind speed value  
true wind direction value  
Dew Point  
Wet bulb  
;

## MESSAGE CONFIGURATION

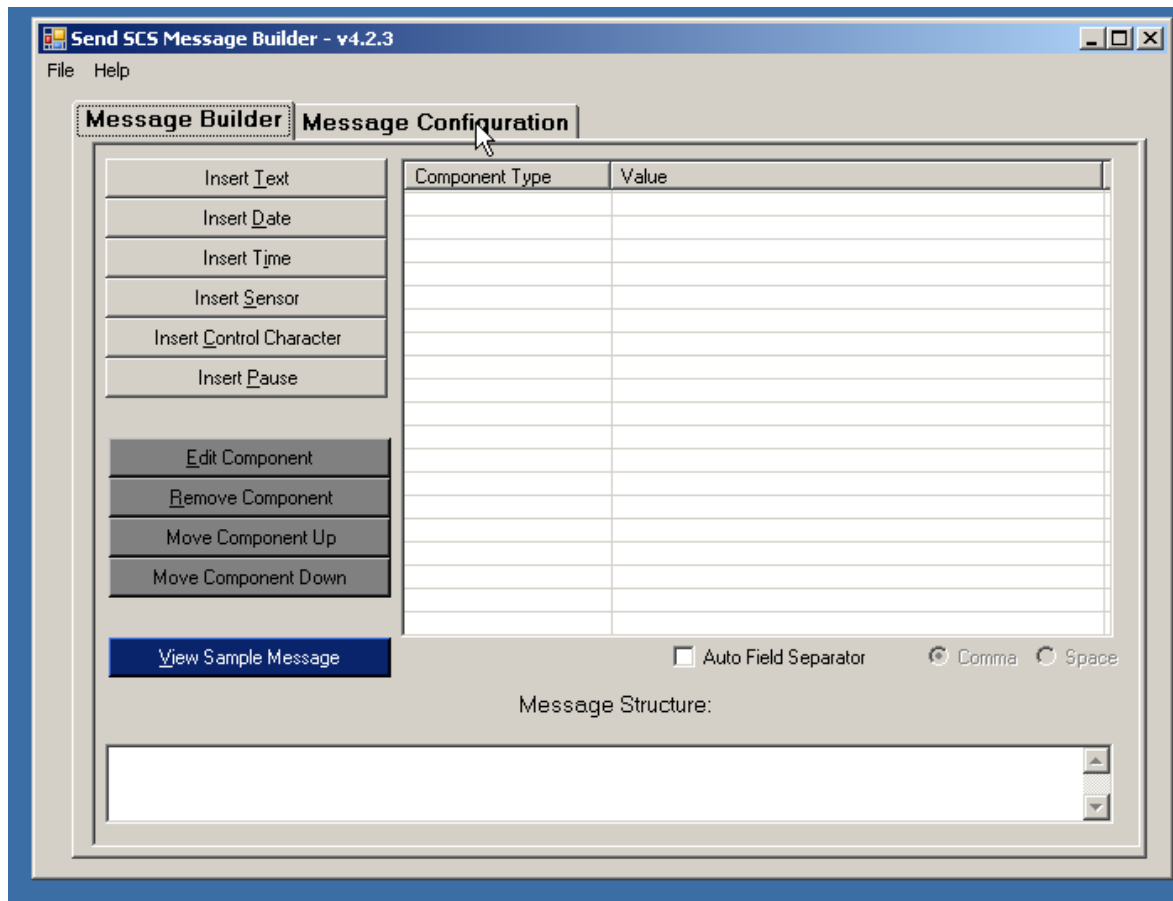
Before building your message template, you must set up your message configuration.



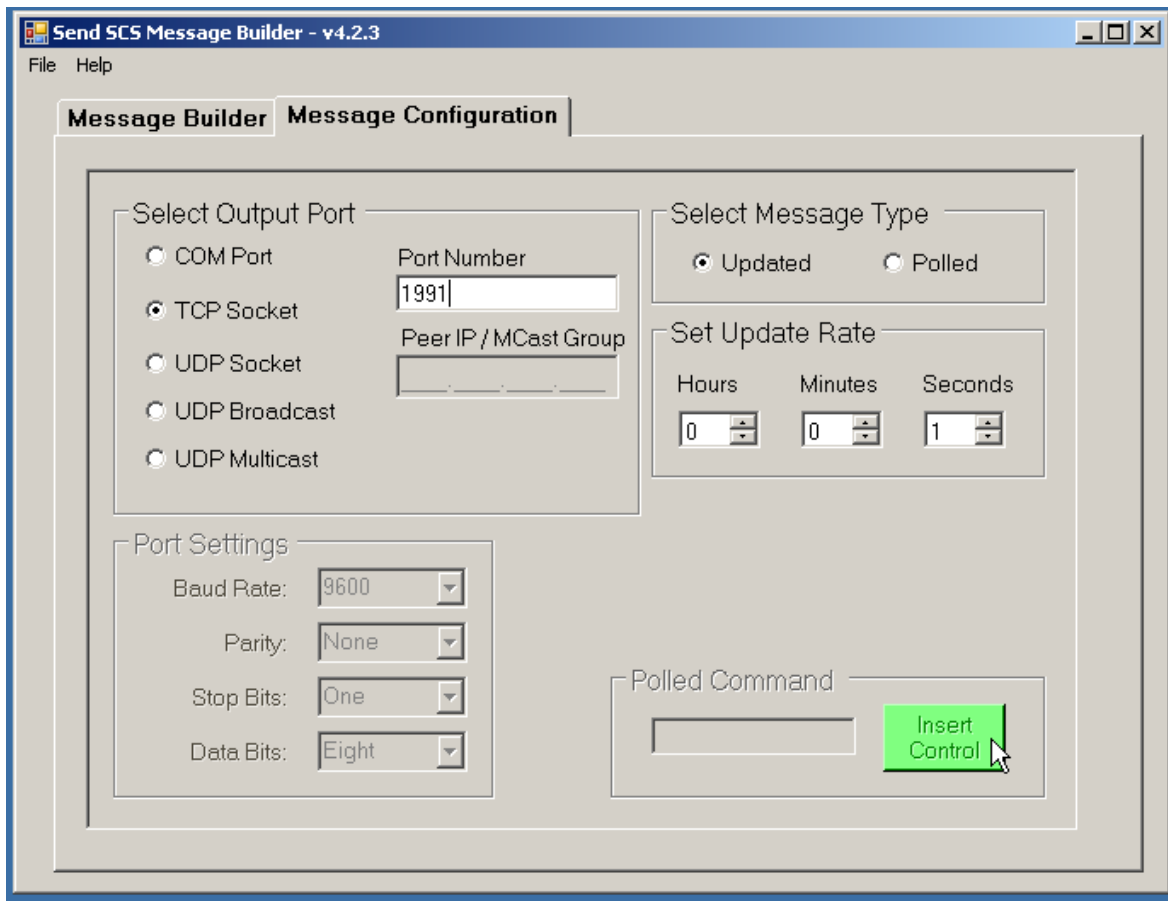
At the SCS Menu, go to Display as shown above.



At the drop down menu, as shown above, go to Send Data, then SCS Message Template Builder.



Go to “Message Configuration” as shown above.



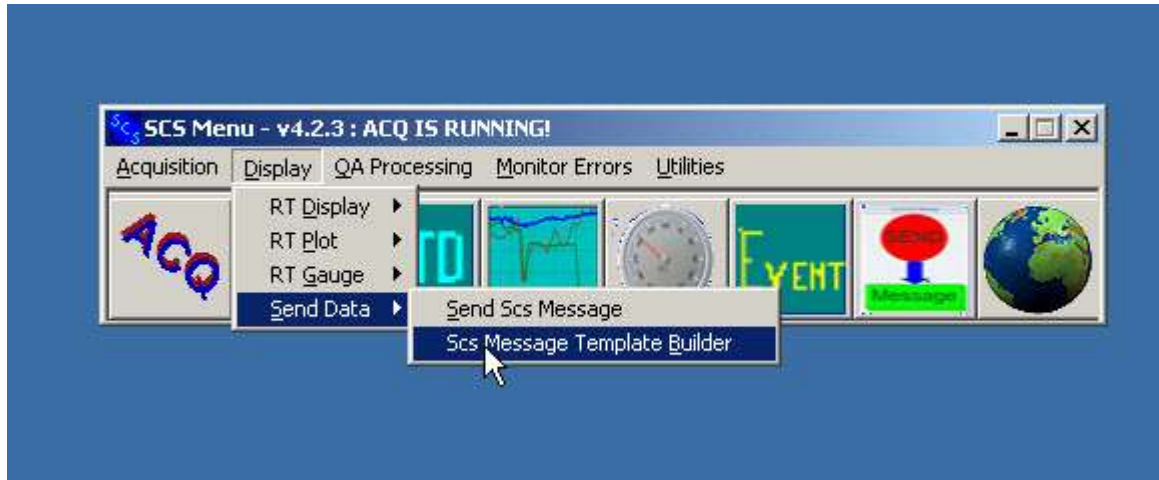
**Be sure to pick TCP Socket and insert the port number designated for your particular ship. Port Number 1991 is for the GORDON GUNTER...each ship will have it's own unique port number, it may be the same but it will probably be different. Select "Updated" message type and for the update rate, choose 1 second. Click on Insert Control.**

**\*Other applications in SCS will be using TCP ports. Port 505 is reserved for ACQ. Sensors providing data over a network socket will require ports. Various other SCS messages use ports. Several may be running during a cruise. Manual input sensors use their own ports.**

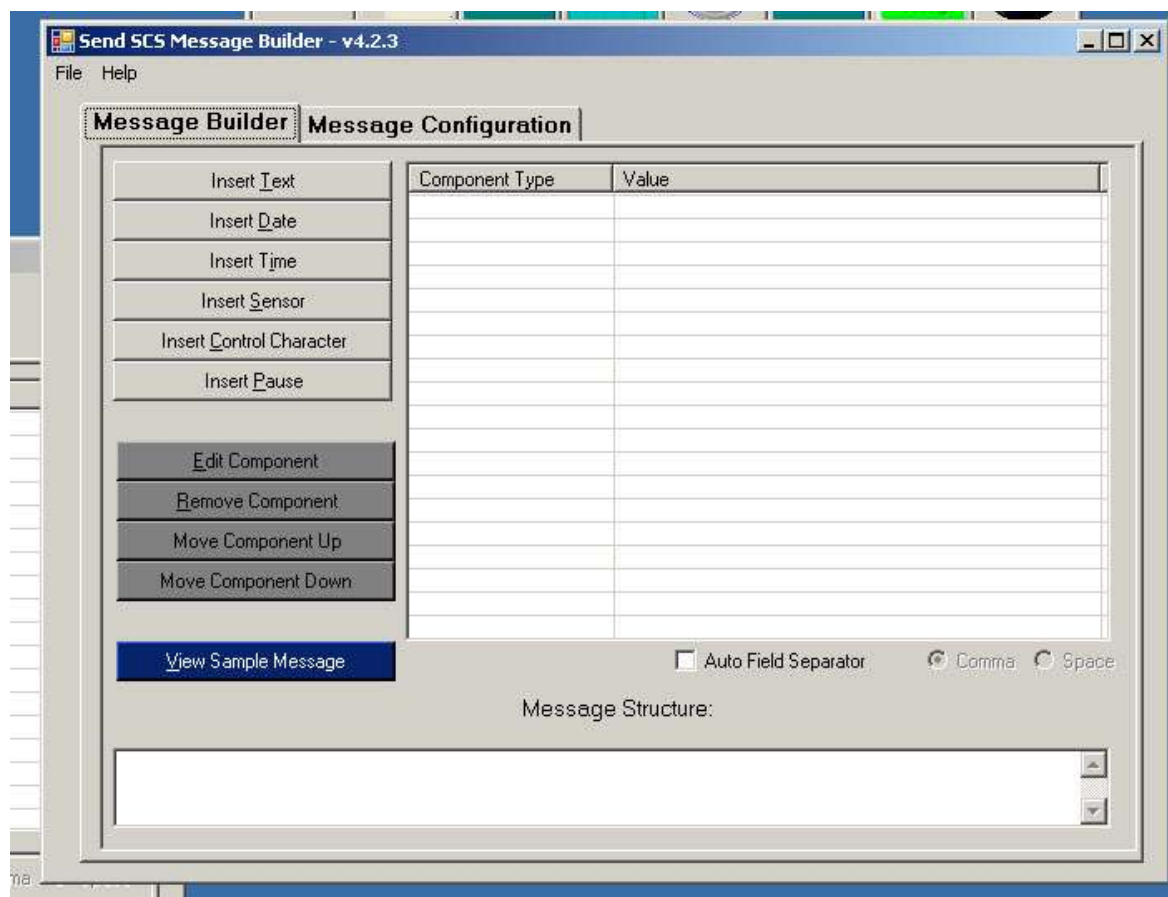
**\*\*If two applications use the same port, unpredictable behavior will result. There is no easy way to determine which ports will be used by SCS applications. The SCS administrator must inspect sensor configurations and message templates to identify potential conflicts.**



## BUILDING THE MESSAGE TEMPLATE

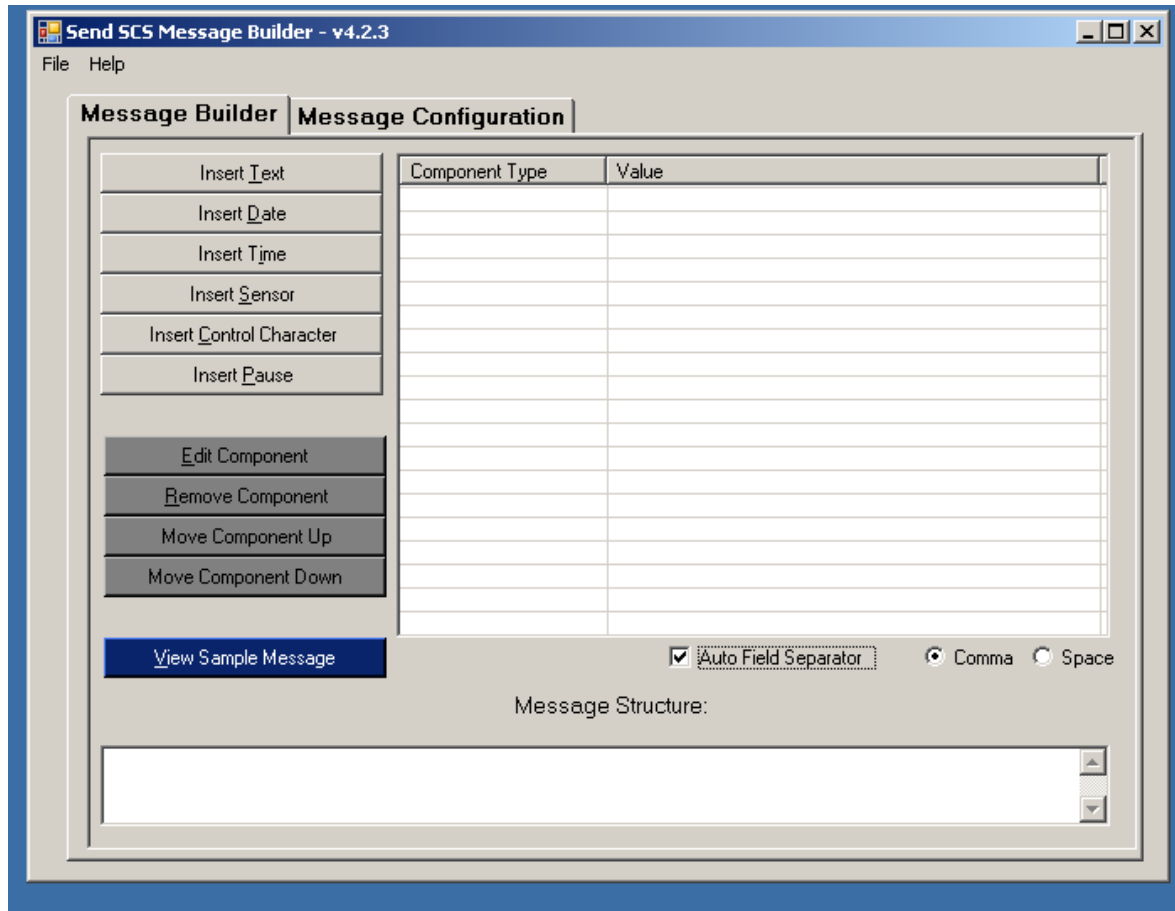


As shown above, go to the SCS Menu, go to “Display”, scroll down to “Send Data”, then to “Scs Message Template Builder”



**This will be the screen that you will see.**

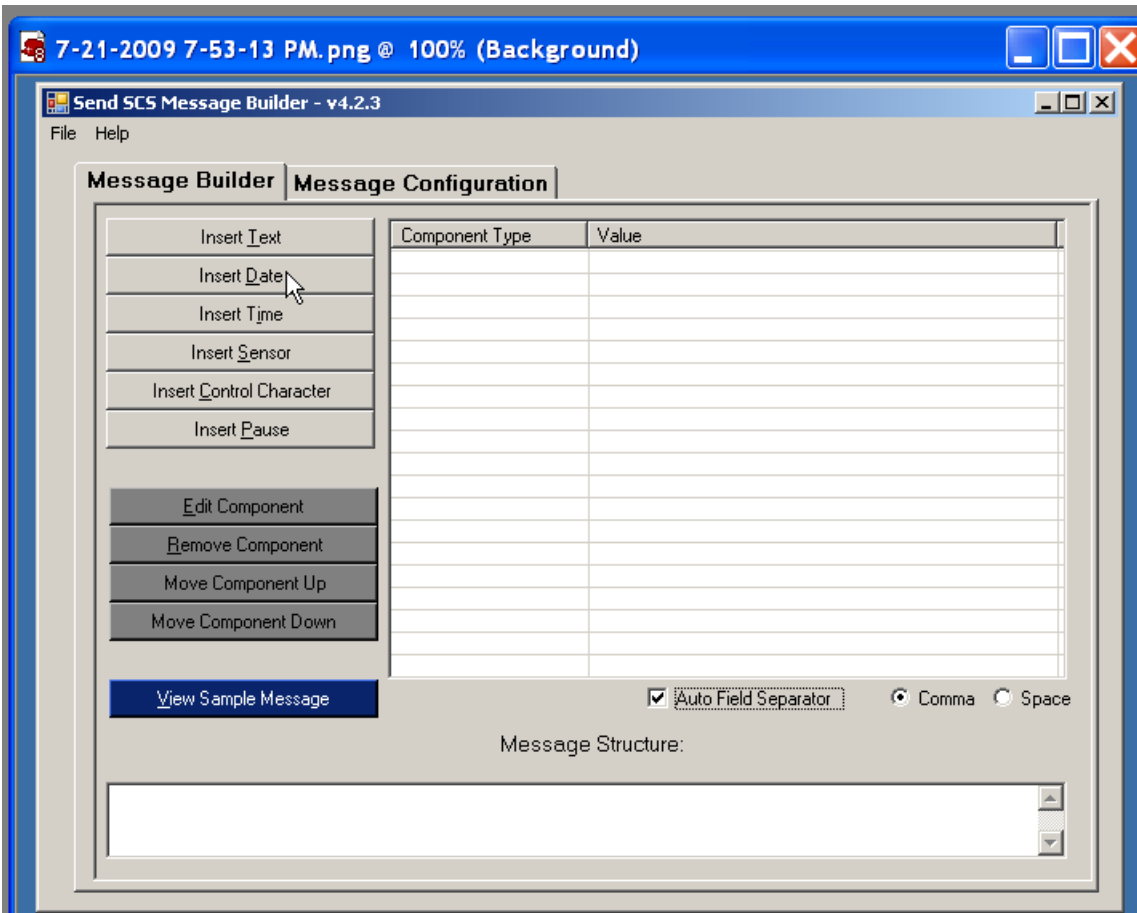
To begin building the message template, click on “Auto Field Separator” as shown below.

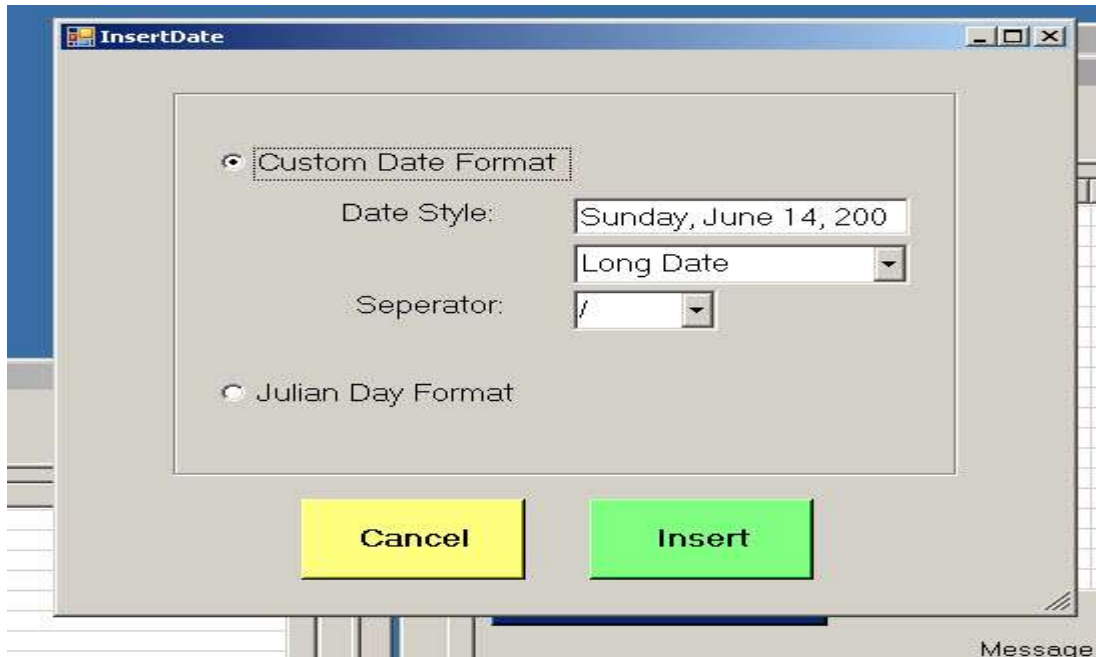


**This will save time building your message by automatically inserting the required field separator between each component.**

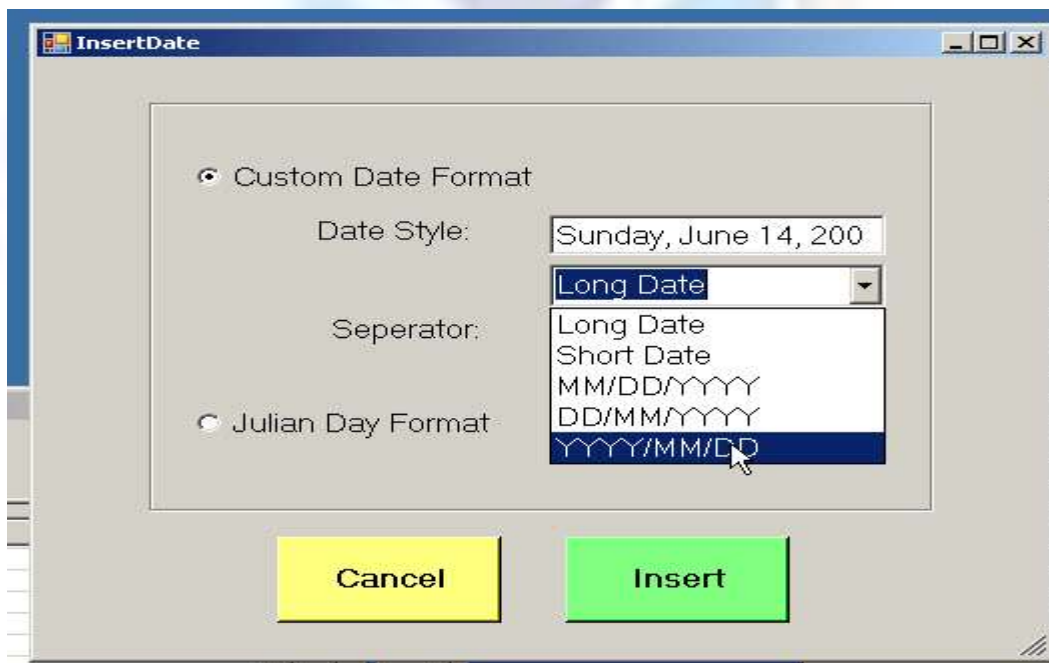
The first component you will insert is “Date”

As shown below choose “Insert Date”

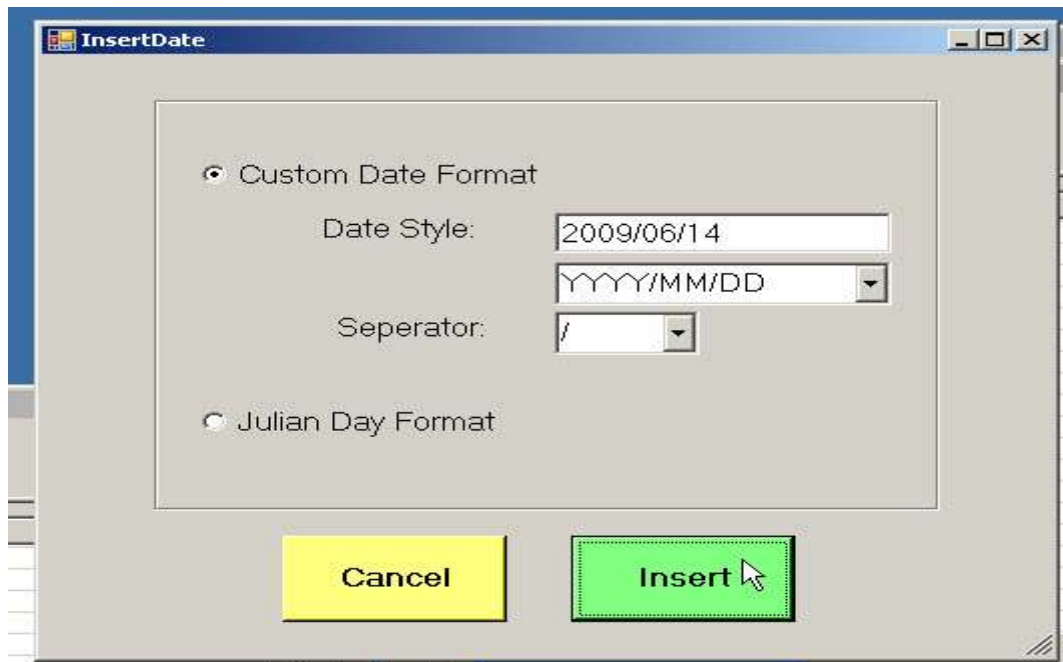




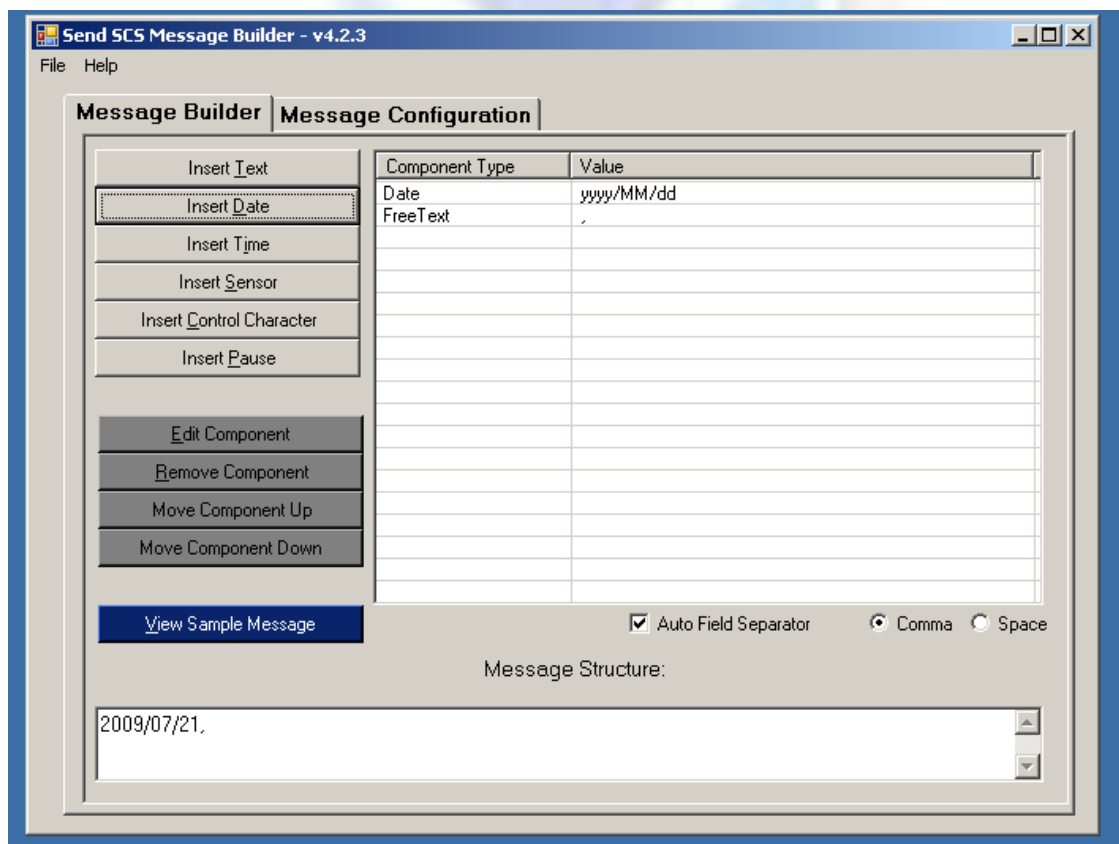
**Choose custom Date Format, fill in the first block with the current date and then go to the Date Style drop down menu.**



**At the choice arrow, as show above, choose the format YYYY/MM/DD**



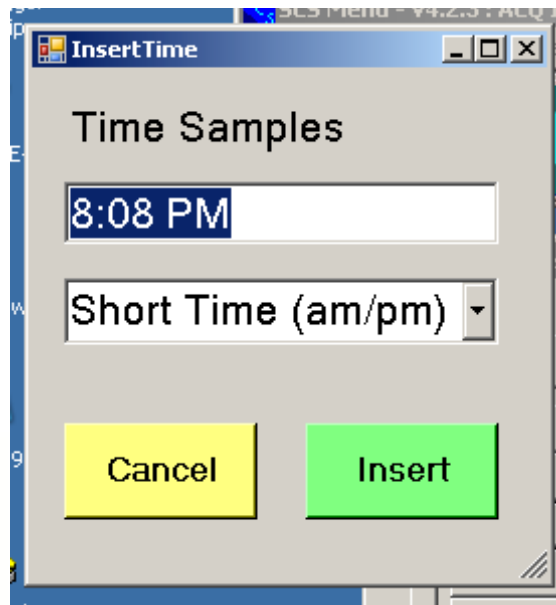
Choose At the “Separator” drop down menu, choose (/) and click Insert.



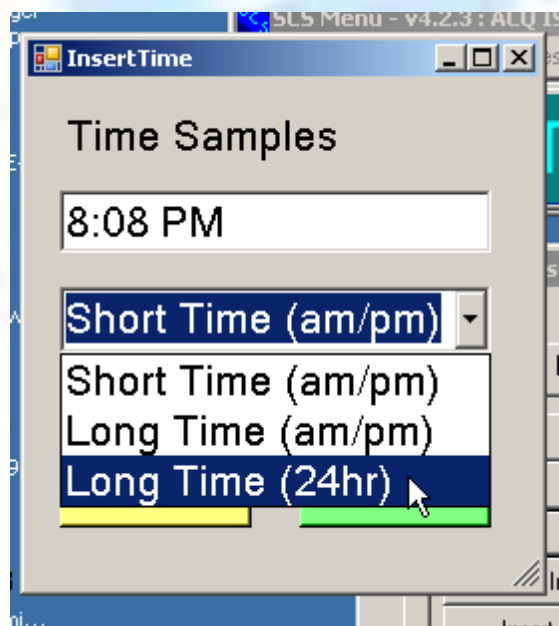
This is how it should appear. Next, click on “Insert Time”



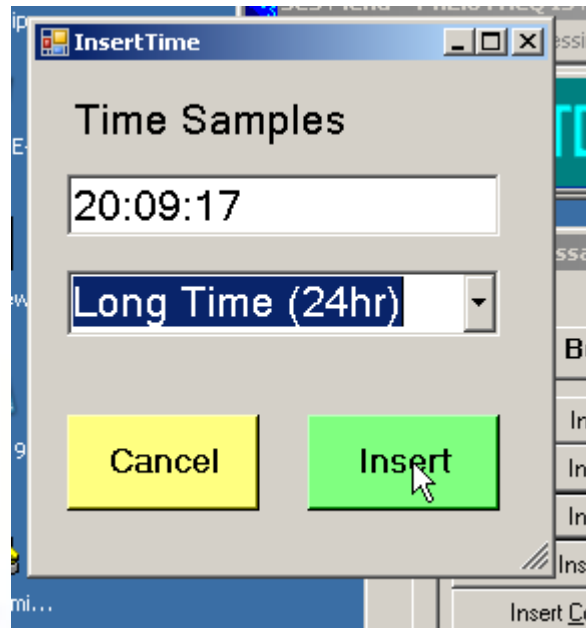
[illegible]



An “Insert Time” window will pop up. Put in the first box the current time as shown above.

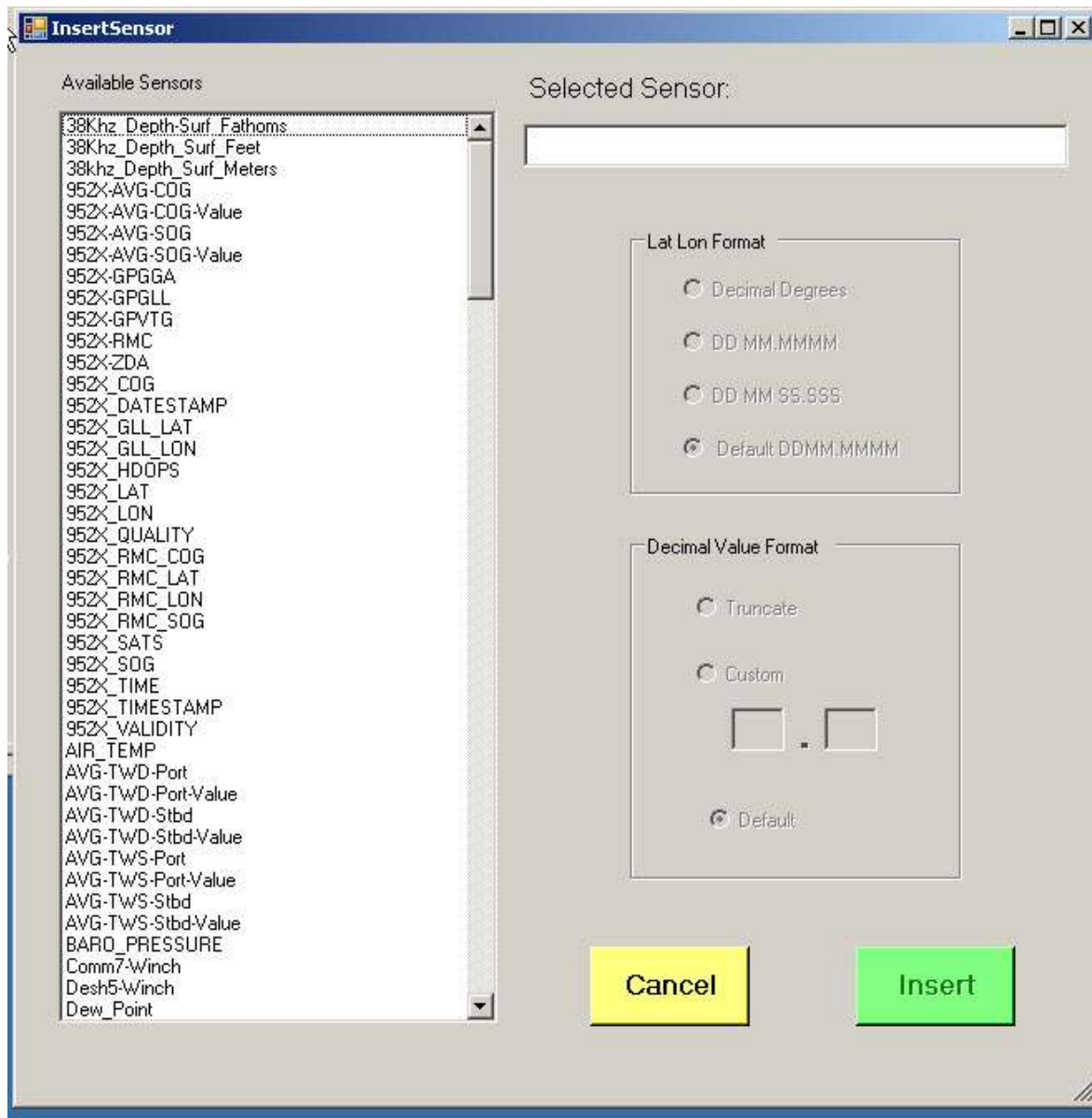


Then, on the drop down list, choose the “Long Time (24hr) “ format as shown above.



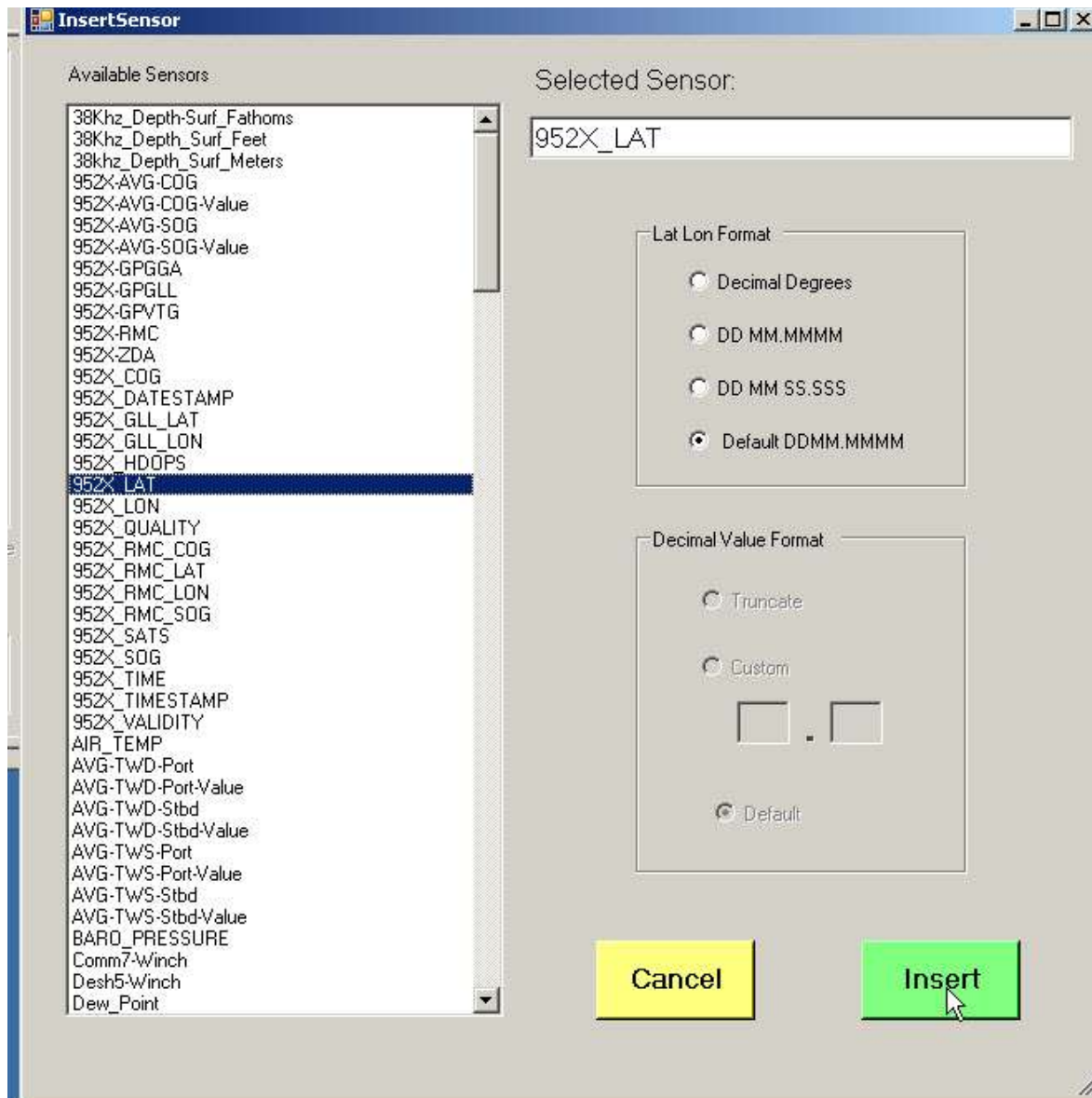
Once you choose the “Long Time (24hr)” your time should reflect this choice. Click on “insert”





At this point, a host of available sensors will be listed. \*Each NOAA Vessel will have their unique sensor identification tag. The examples shown are for the NOAA SHIP GORDON GUNTER.

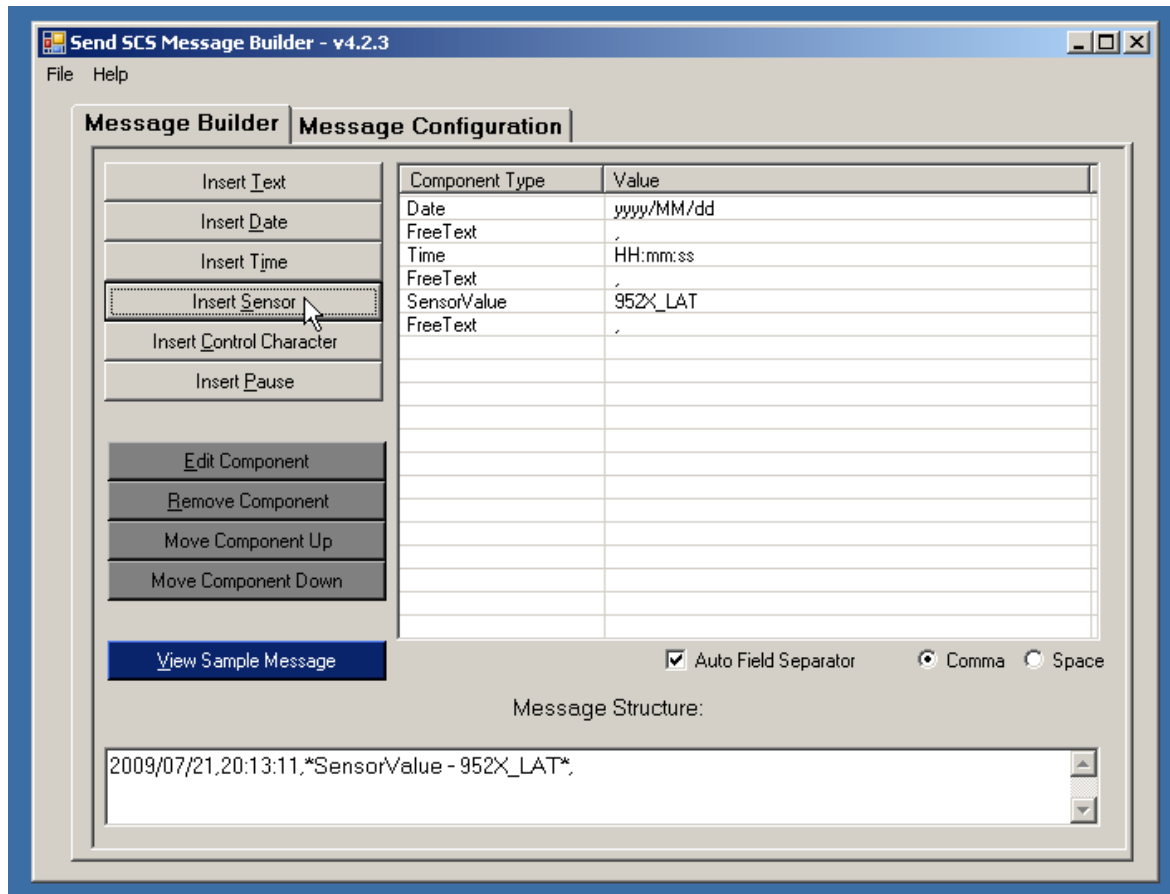
*It is very important to note that the sensors and all other data inserted into the template must be in the exact order as shown with commas between each value type.*



**Latitude is the first sensor. Scroll to LAT and highlight, be sure the Lat Lon Format is “Decimal Degrees” and click “insert”**

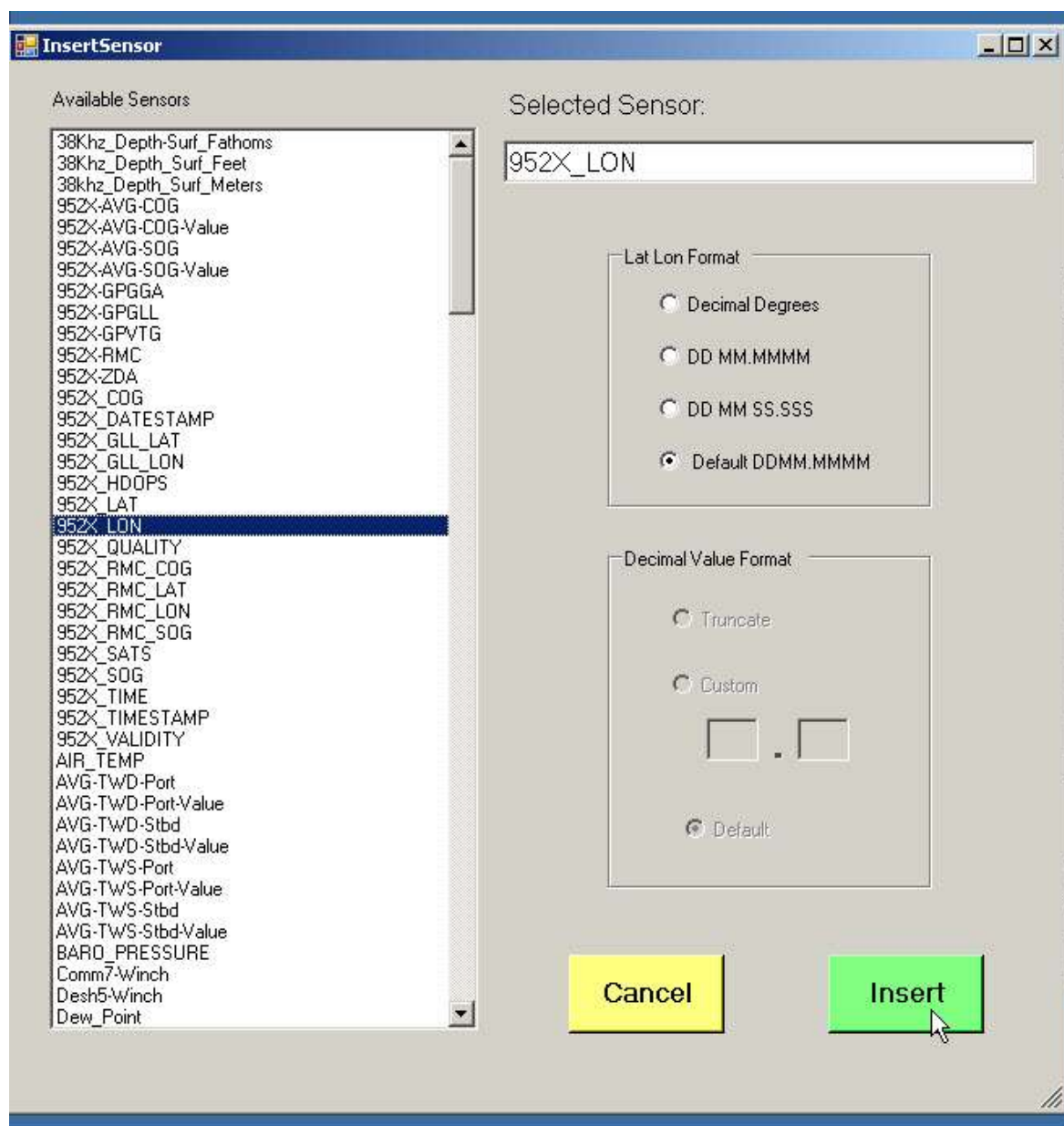
**\*NEW SCS Build requires that you choose Decimal Degrees.**



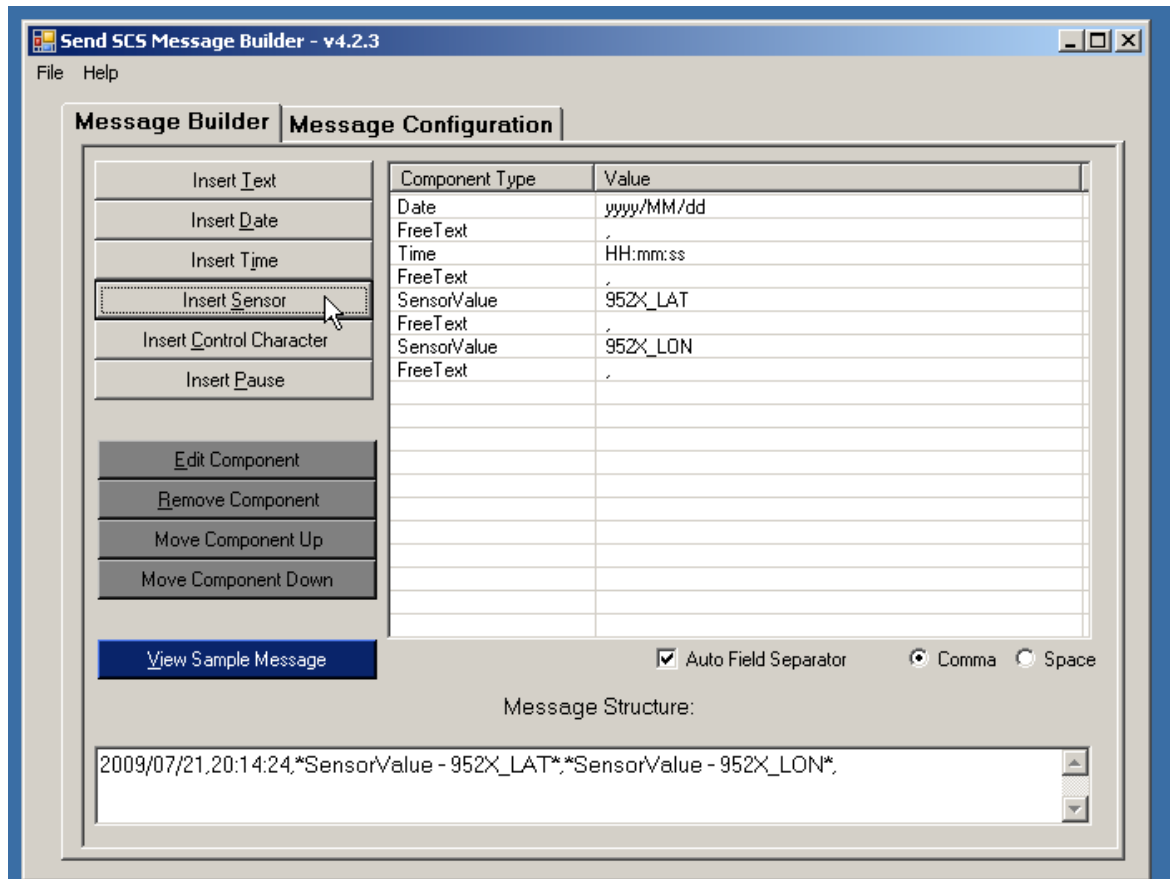


This is how it should look.

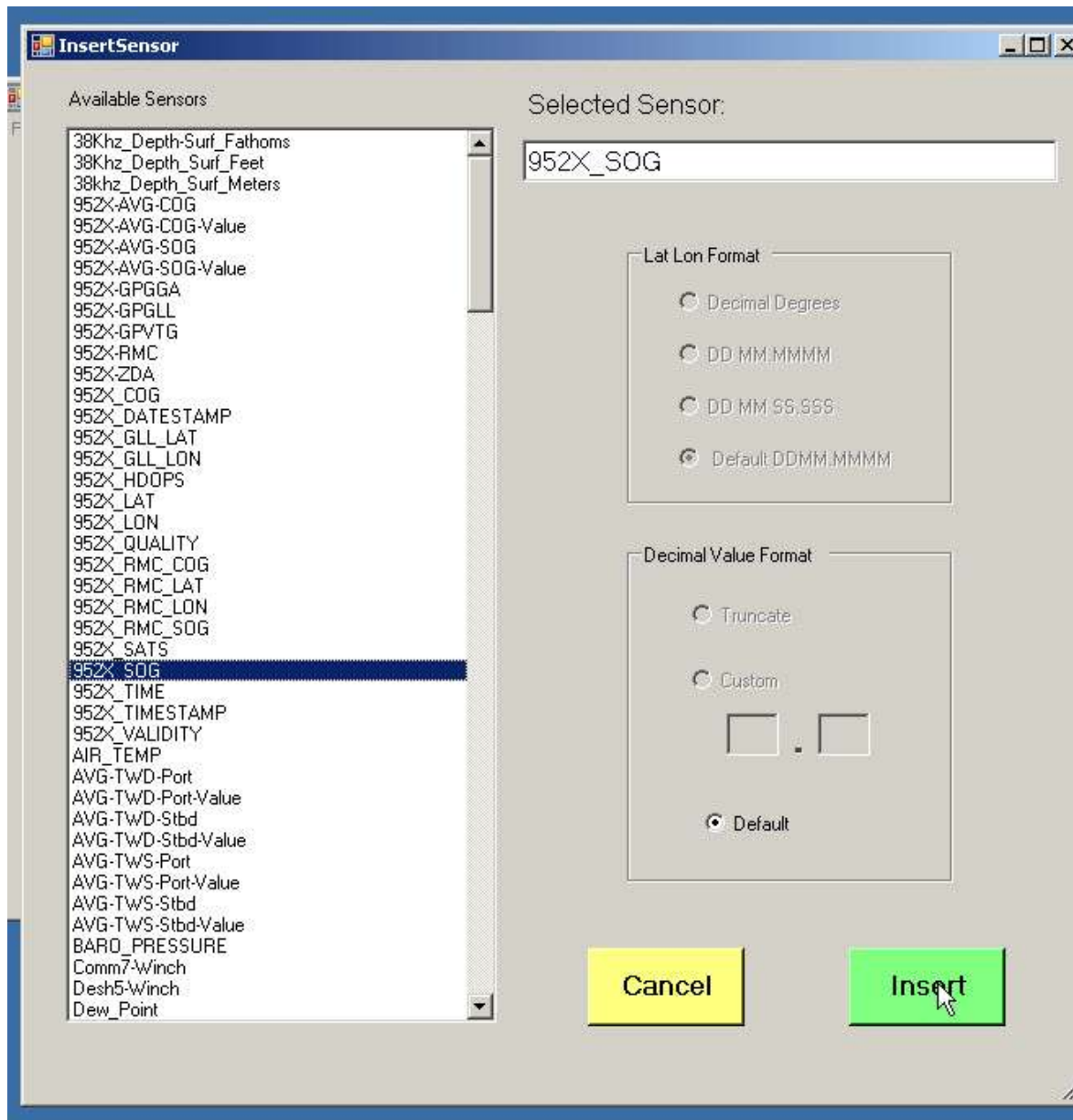
In the message builder, click on “Insert Sensor”



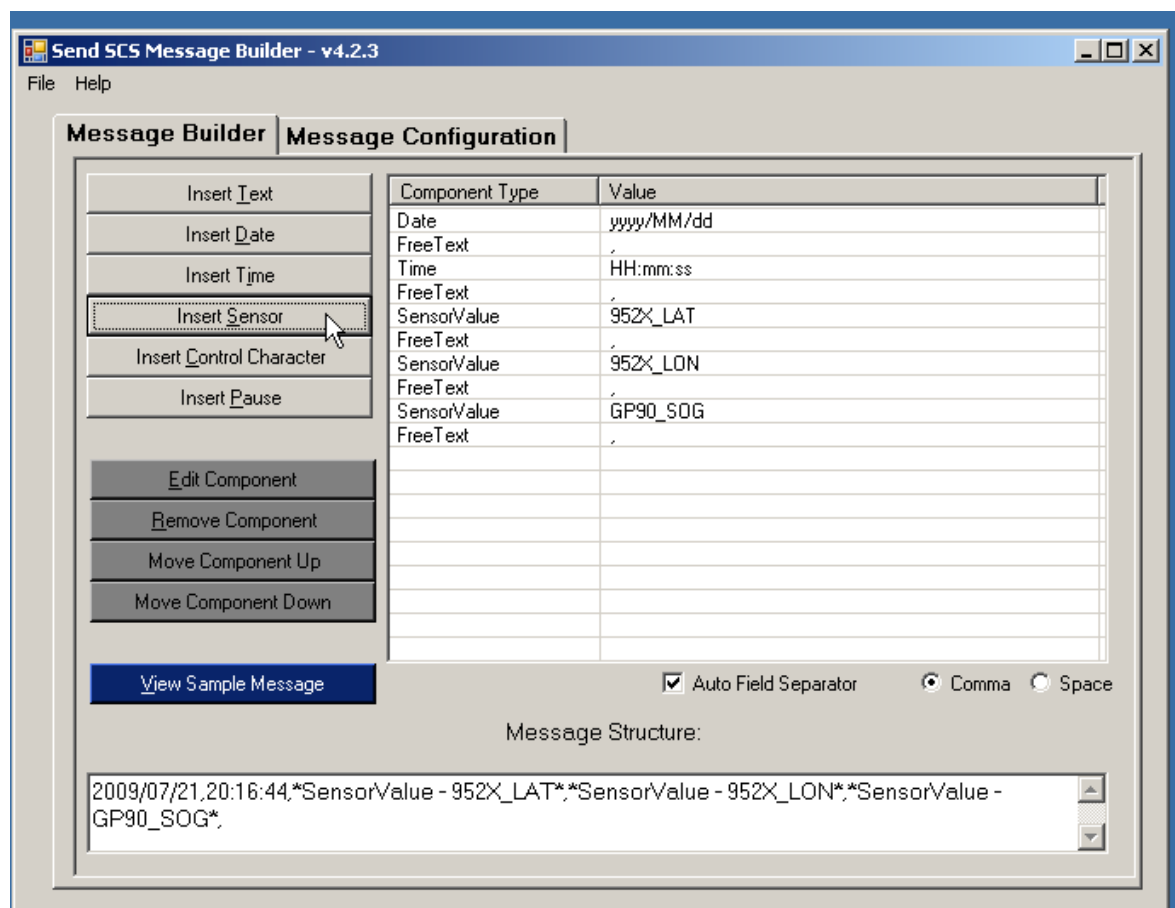
Scroll through the available sensors highlight Longitude (LON), and be sure the Lat Lon Format is picked as, **"DECIMAL DEGREES"** Click **"Insert"**



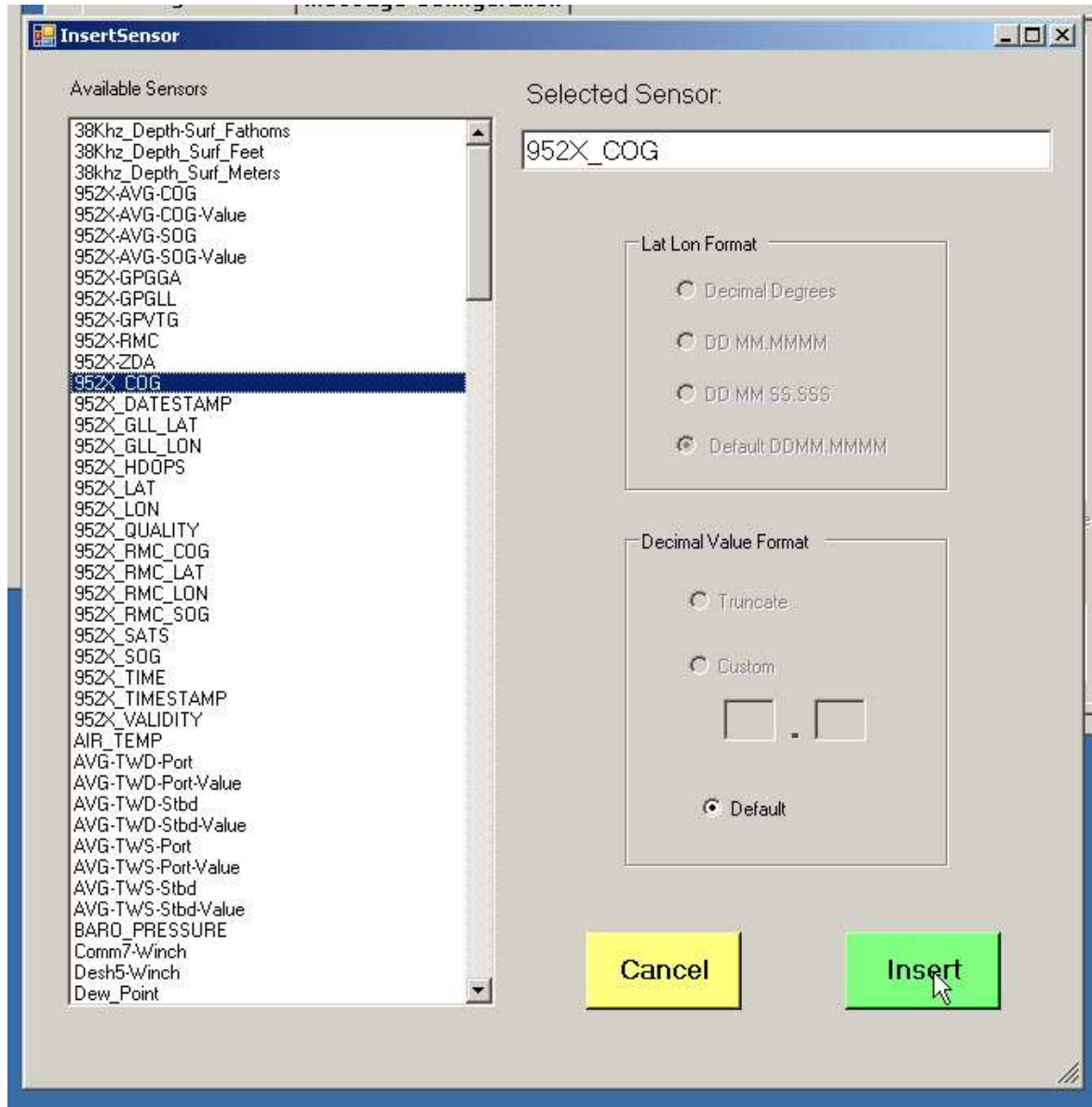
In the message builder click on “Insert Sensor”



**Scroll down the list of available sensors and find “Speed over Ground” SOG. Decimal Value Format should be Default. Click “Insert”**

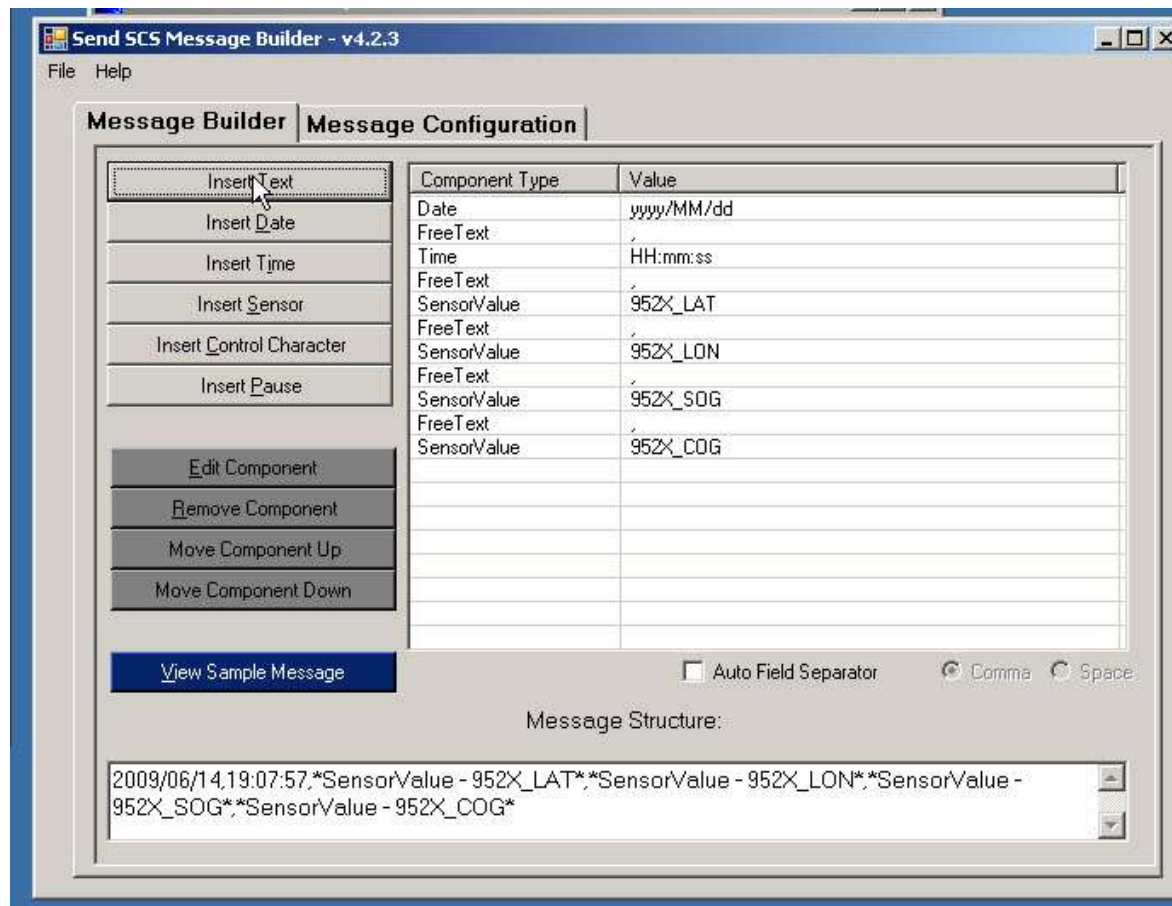


In the message builder click on “Insert Sensor”

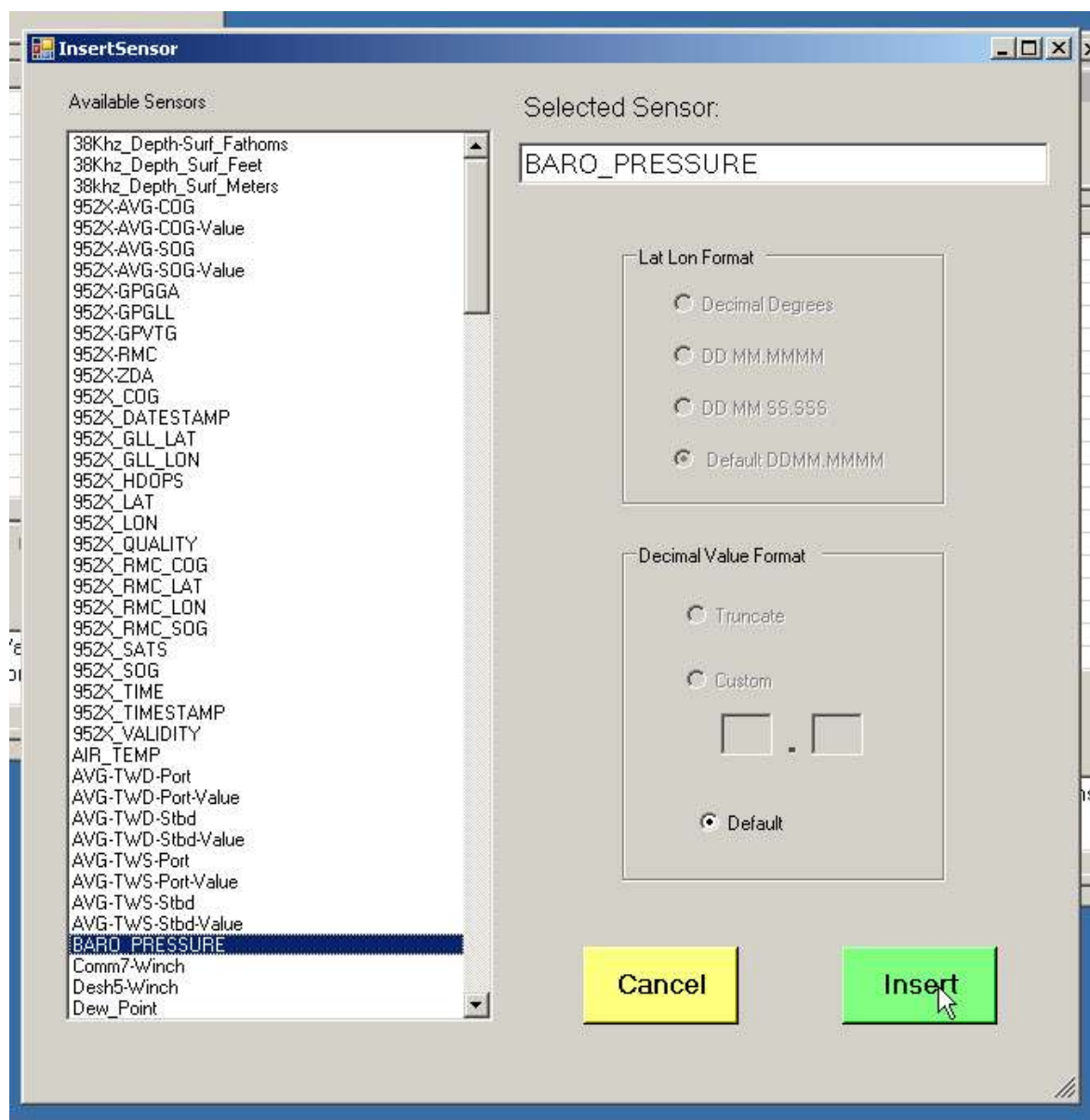


**Scroll down the available sensors and highlight COG (Course over Ground), Decimal Value Format should be Default, click “Insert”**

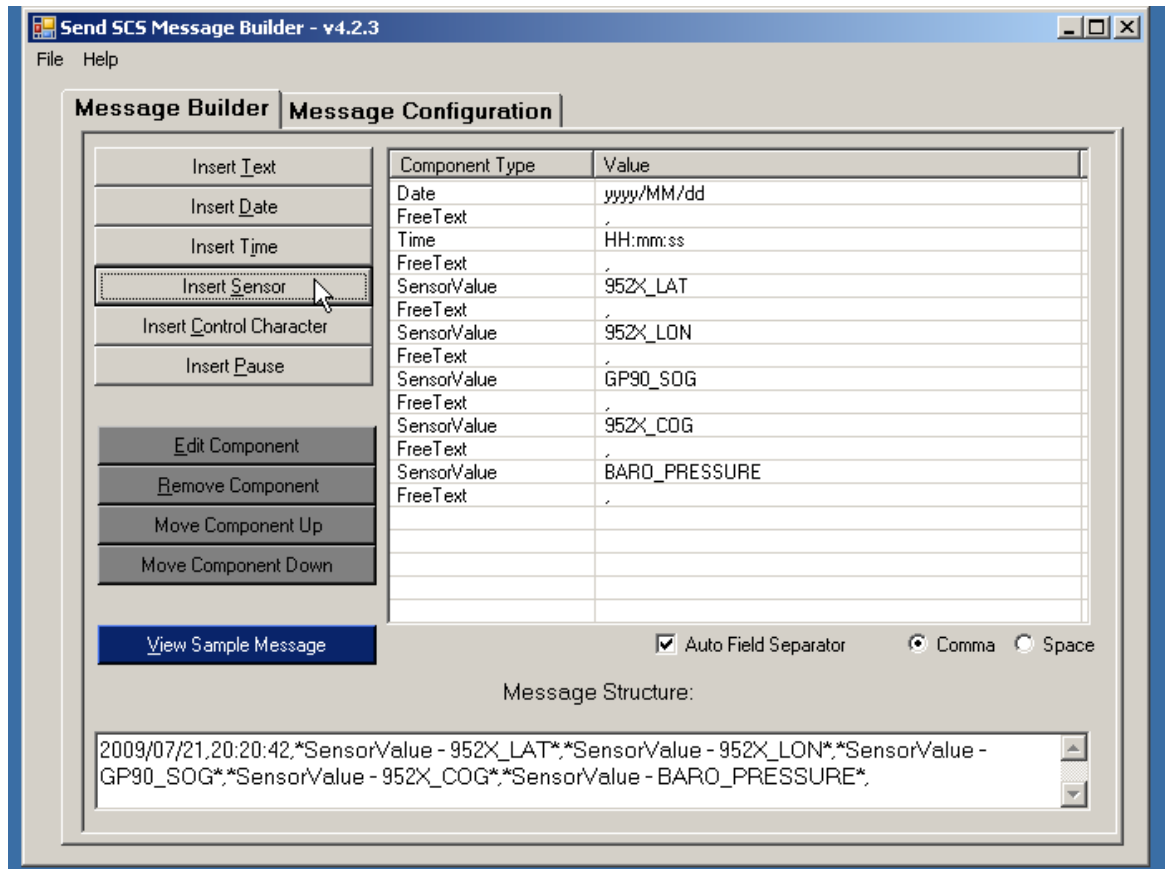




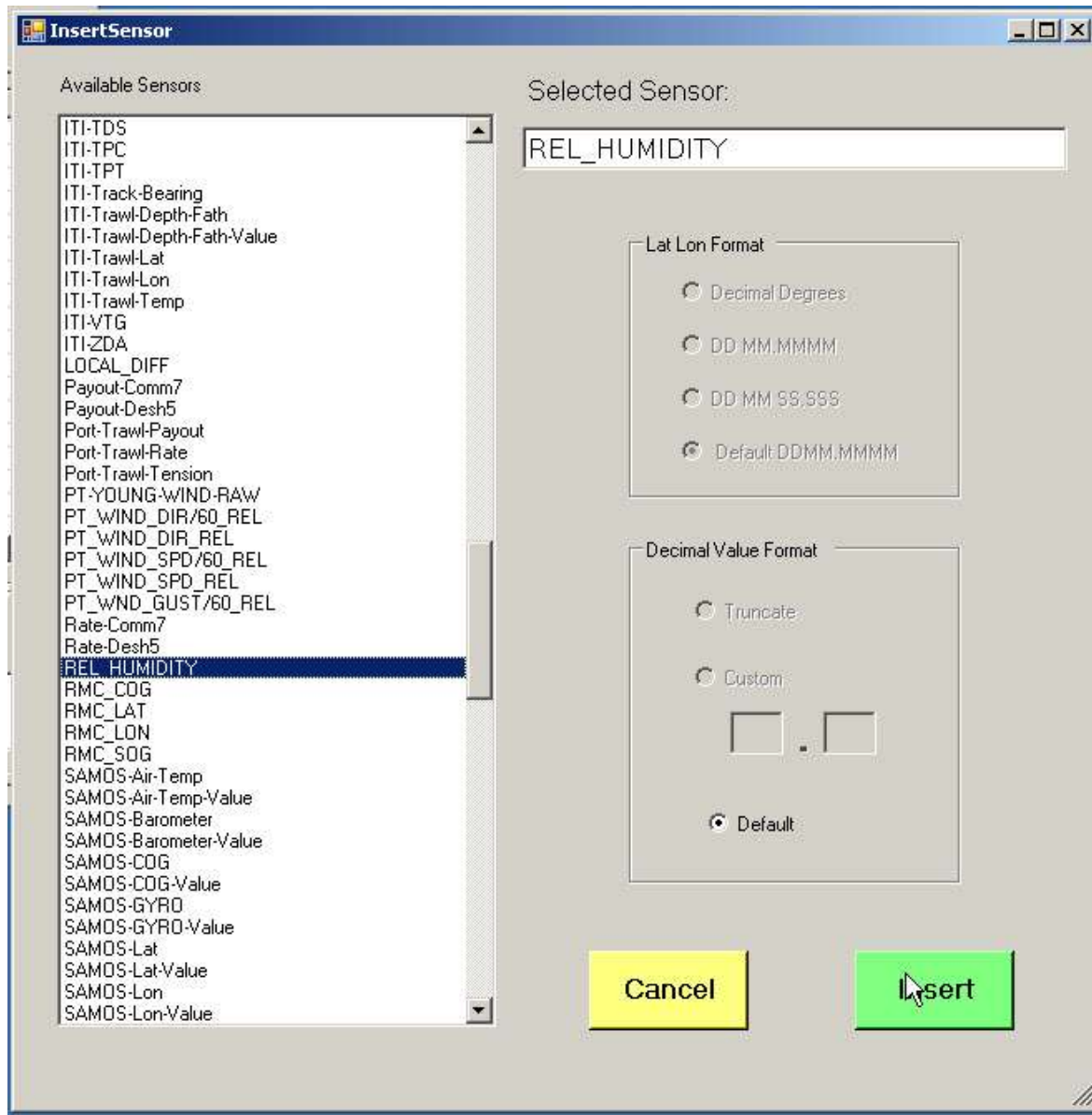
In the message builder click on “Insert Sensor”



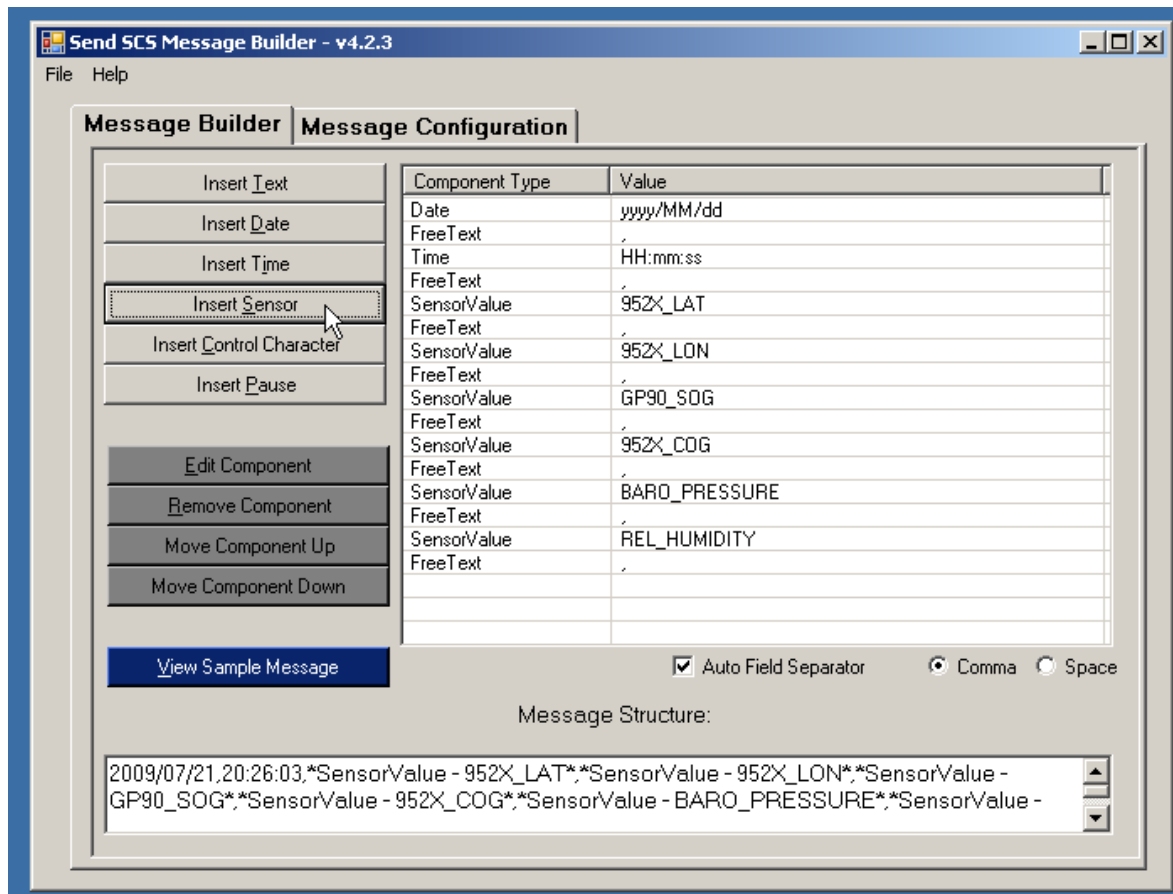
**Scroll down the available sensors and highlight “Barometric Pressure”, BARO PRESSURE, Decimal Value Format should be Default, Click “Insert”**



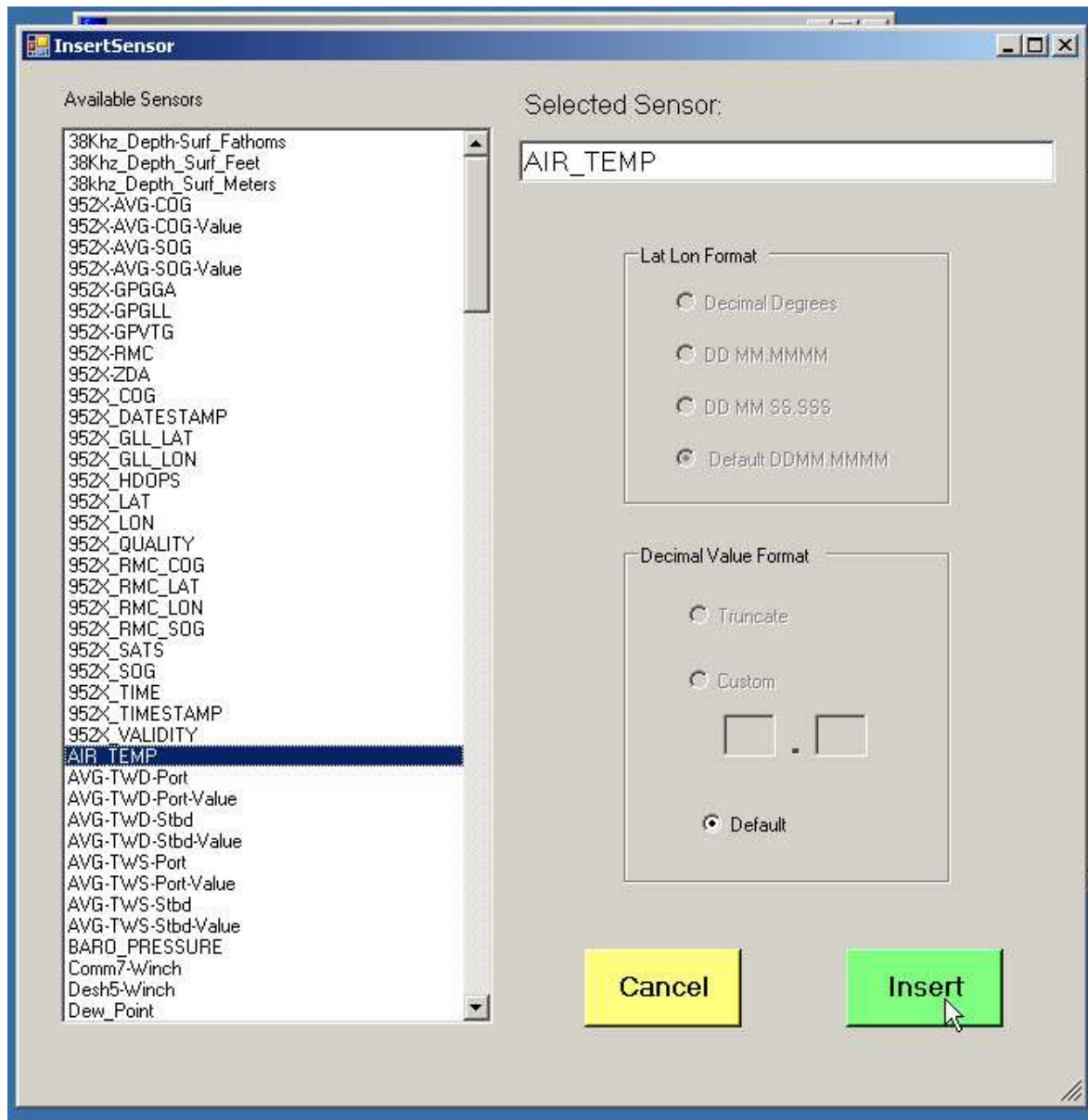
**In message builder, click on “Insert Sensor”**



**Scroll down the available sensors and highlight Relative Humidity, “REL HUMIDITY”, Decimal Value Format should be Default, click “Insert”**

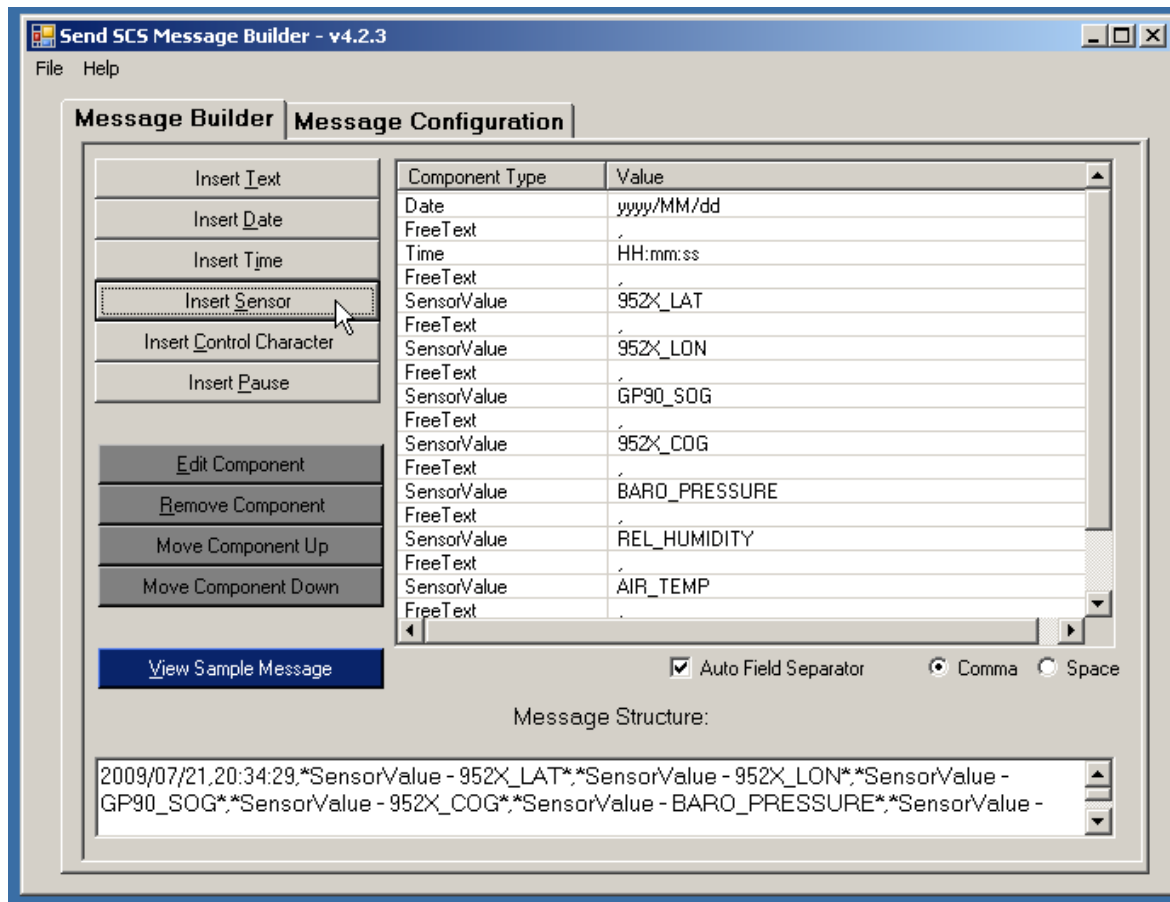


In message builder, click on “Insert Sensor”

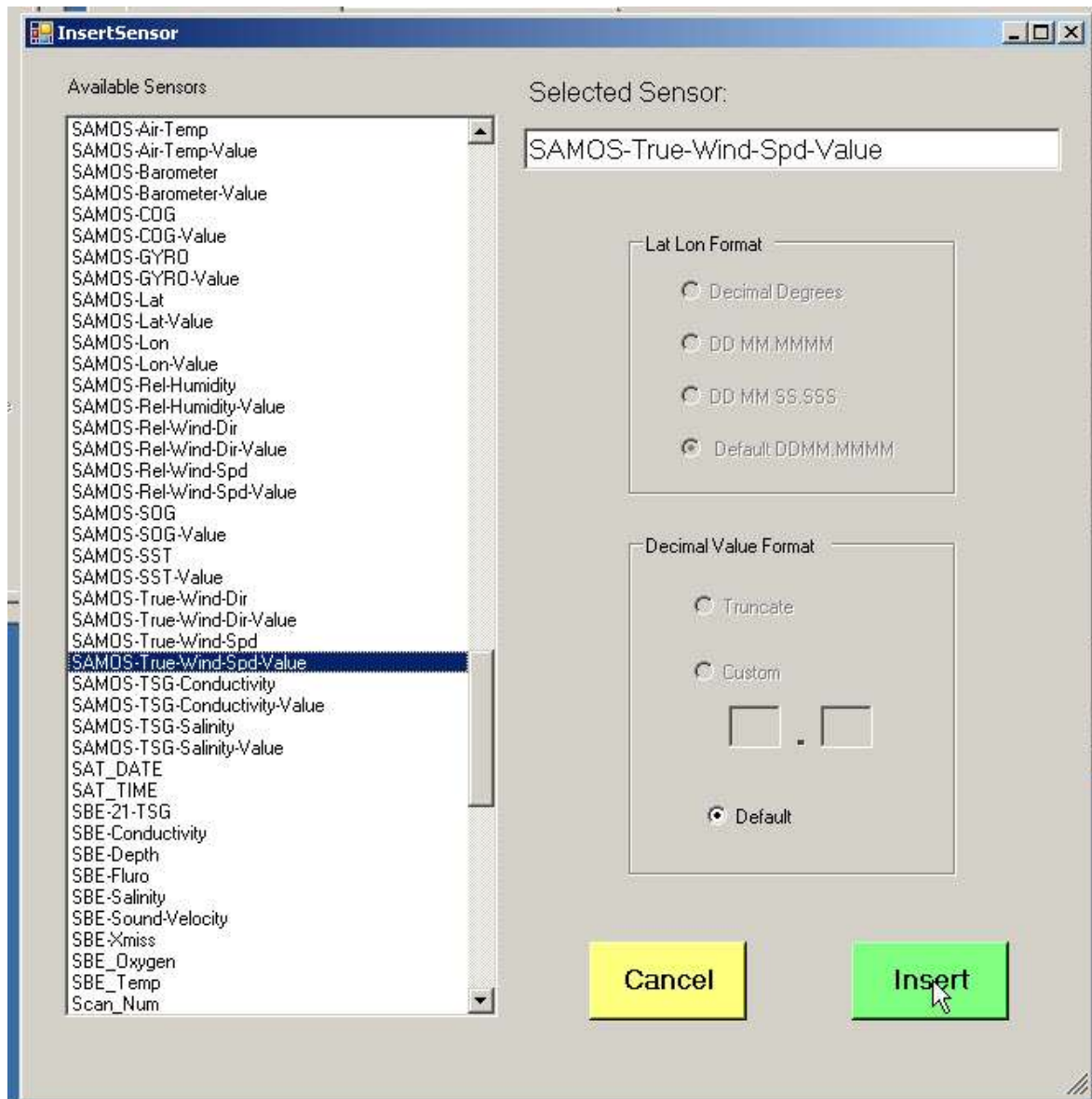


**Scroll down the available sensors and highlight “AIR TEMP”, Decimal Value Format should be Default. Click on “Insert”**



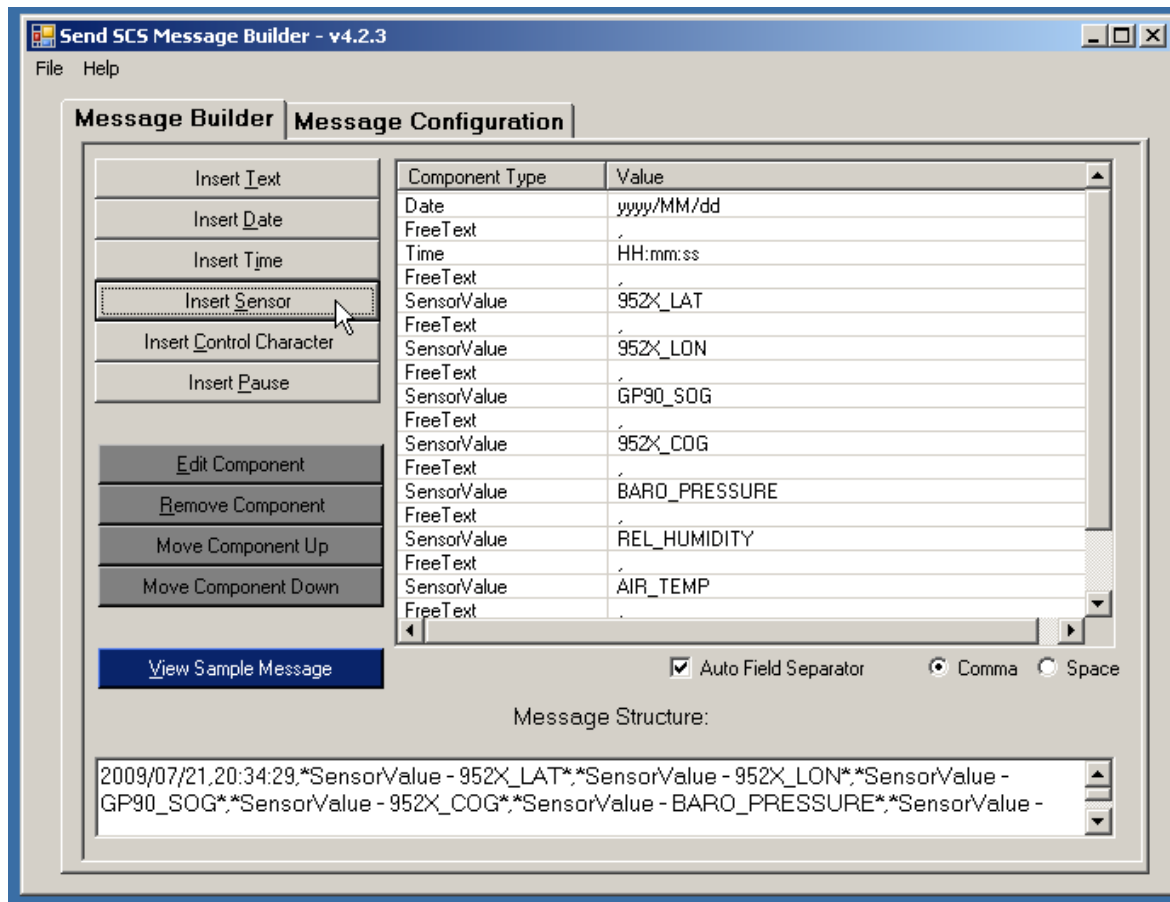


In the Message Builder, Click on “Insert Sensor”

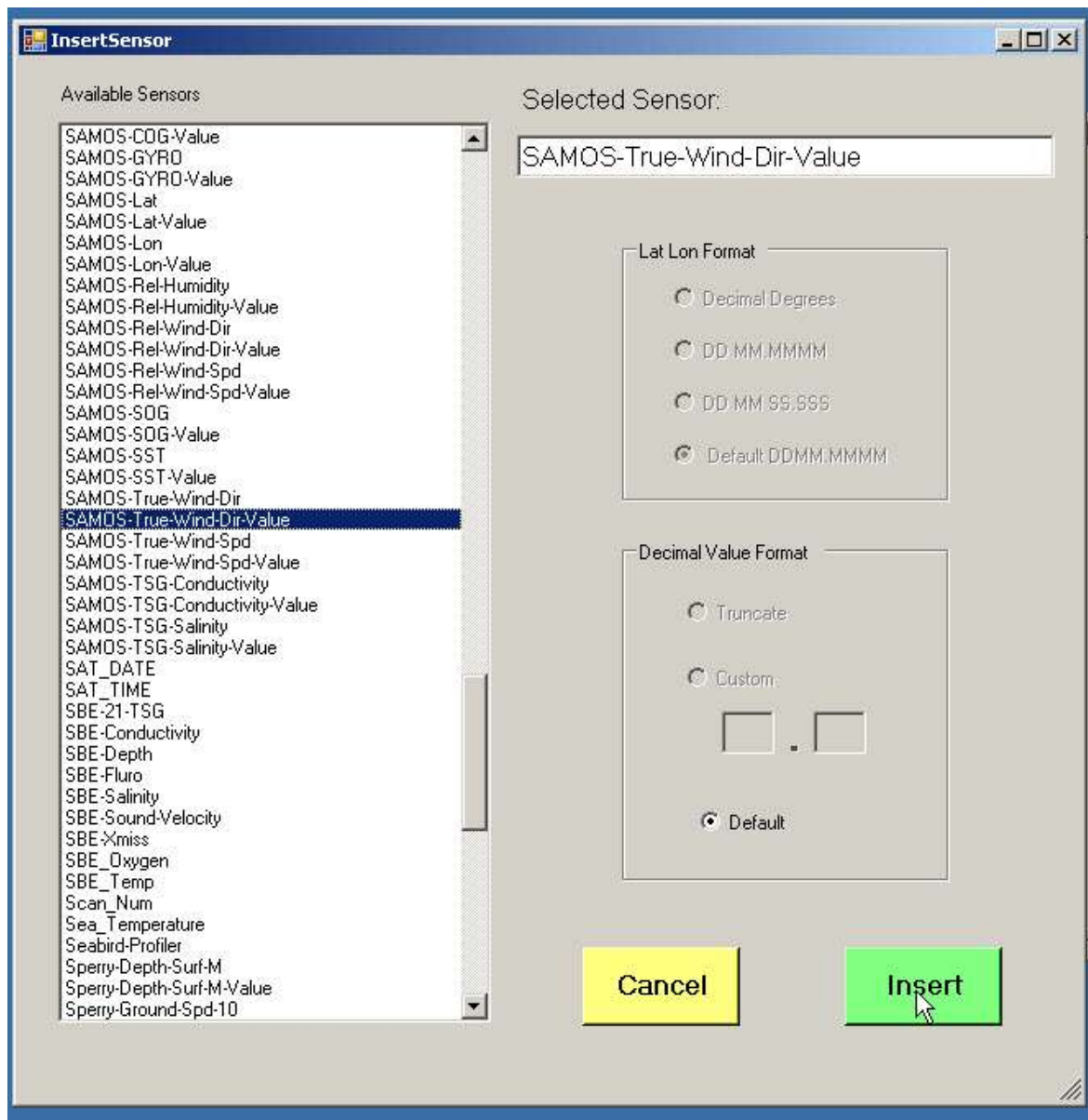


**Scroll down the available sensors and highlight “True-Wind-Spd- Value”  
Decimal Value Format should be Default. Click on “Insert”**

**\*SAMOS was originally used and we have moved to use RM Young data.**

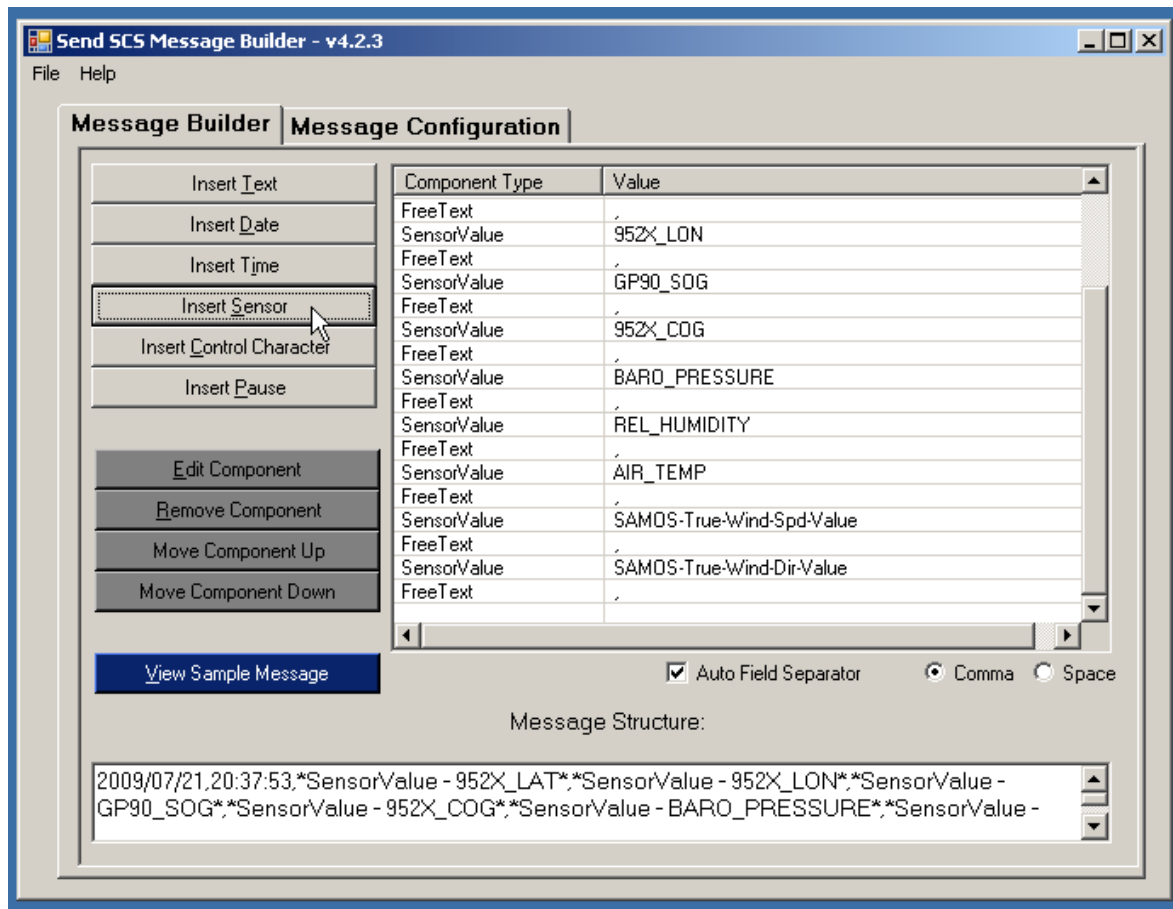


In the message builder, click on “Insert Sensor”

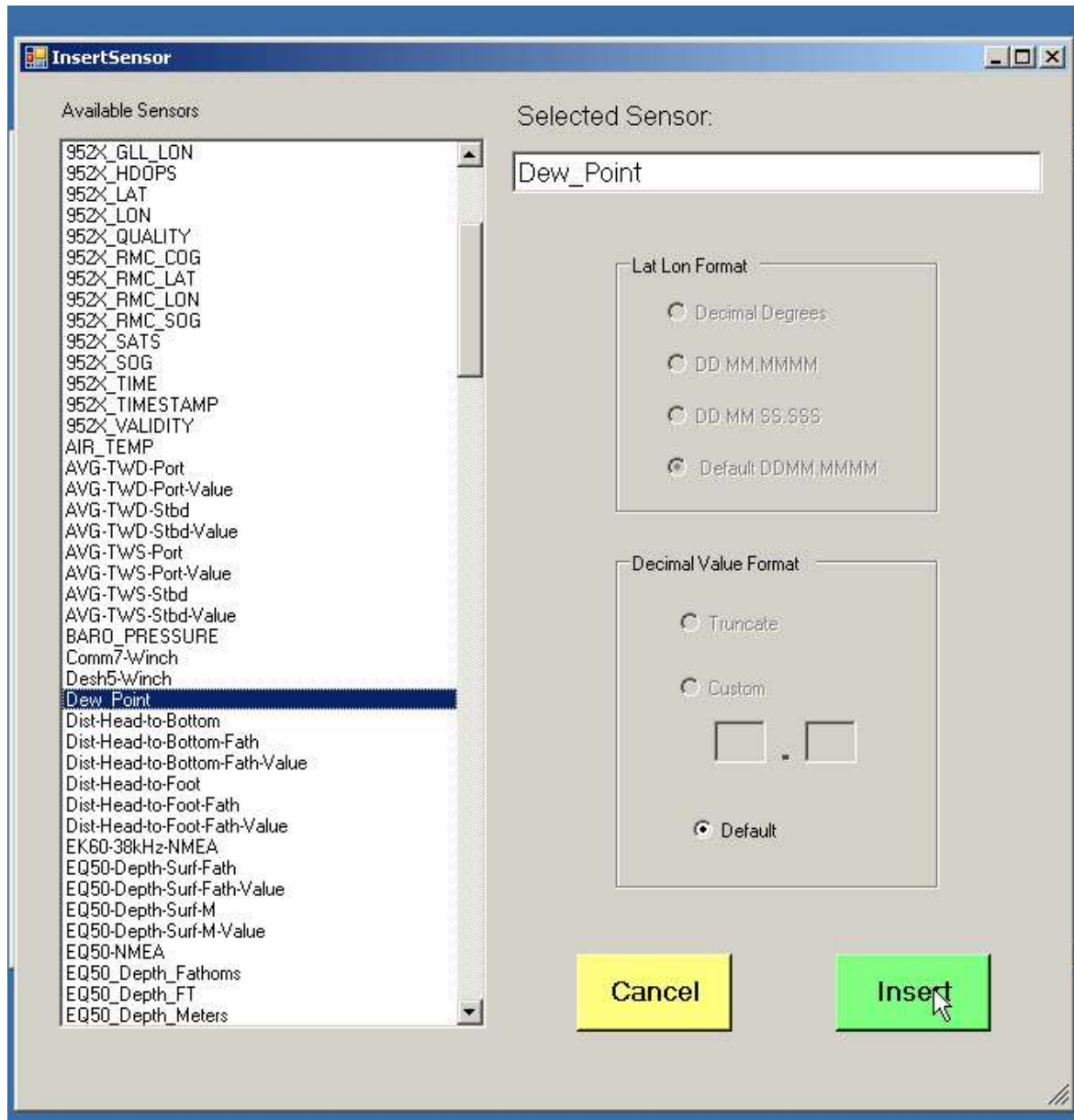


**Scroll down the available sensors and highlight “True-Wind-Dir- Value”,  
Decimal Value Format should be Default. Click “Insert”**

**\*SAMOS was originally used and we have moved to use RM Young  
Data.**

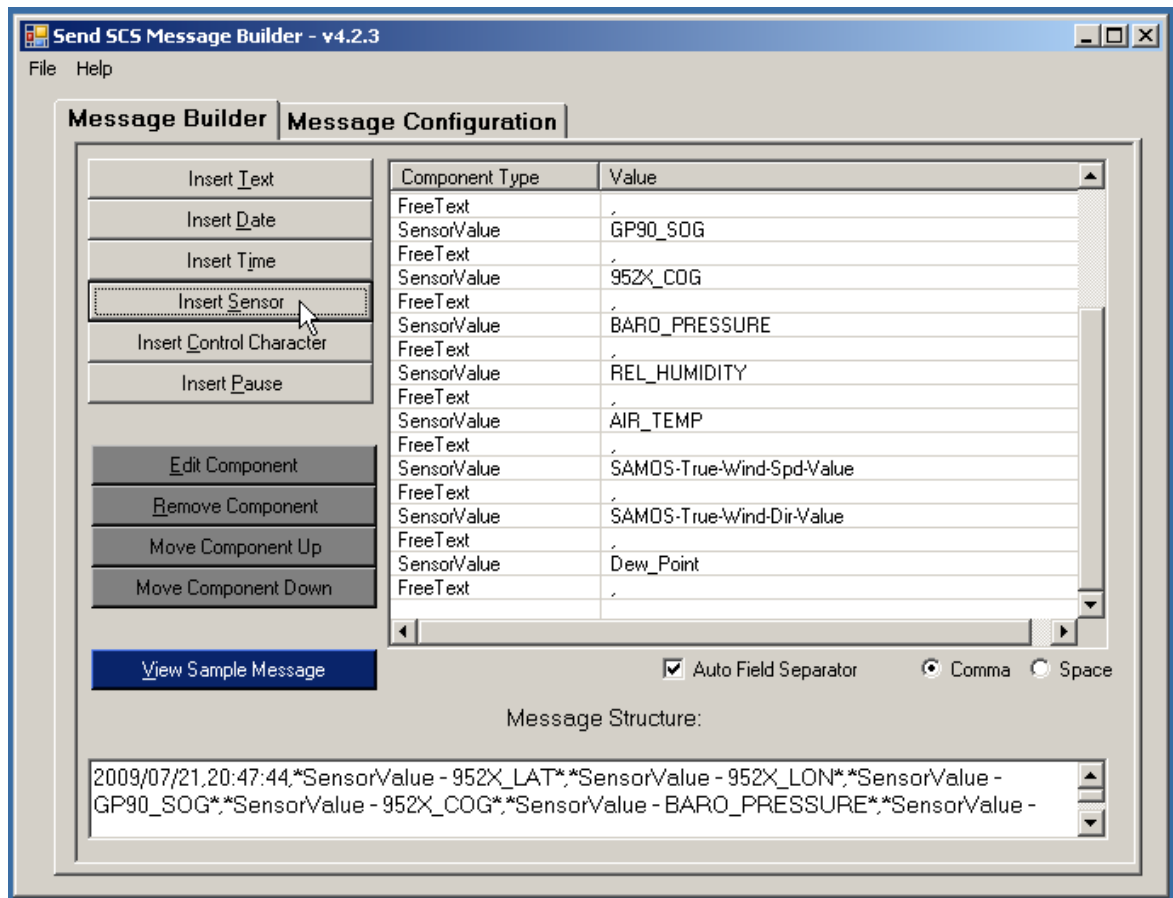


In message builder, click on “Insert Text”

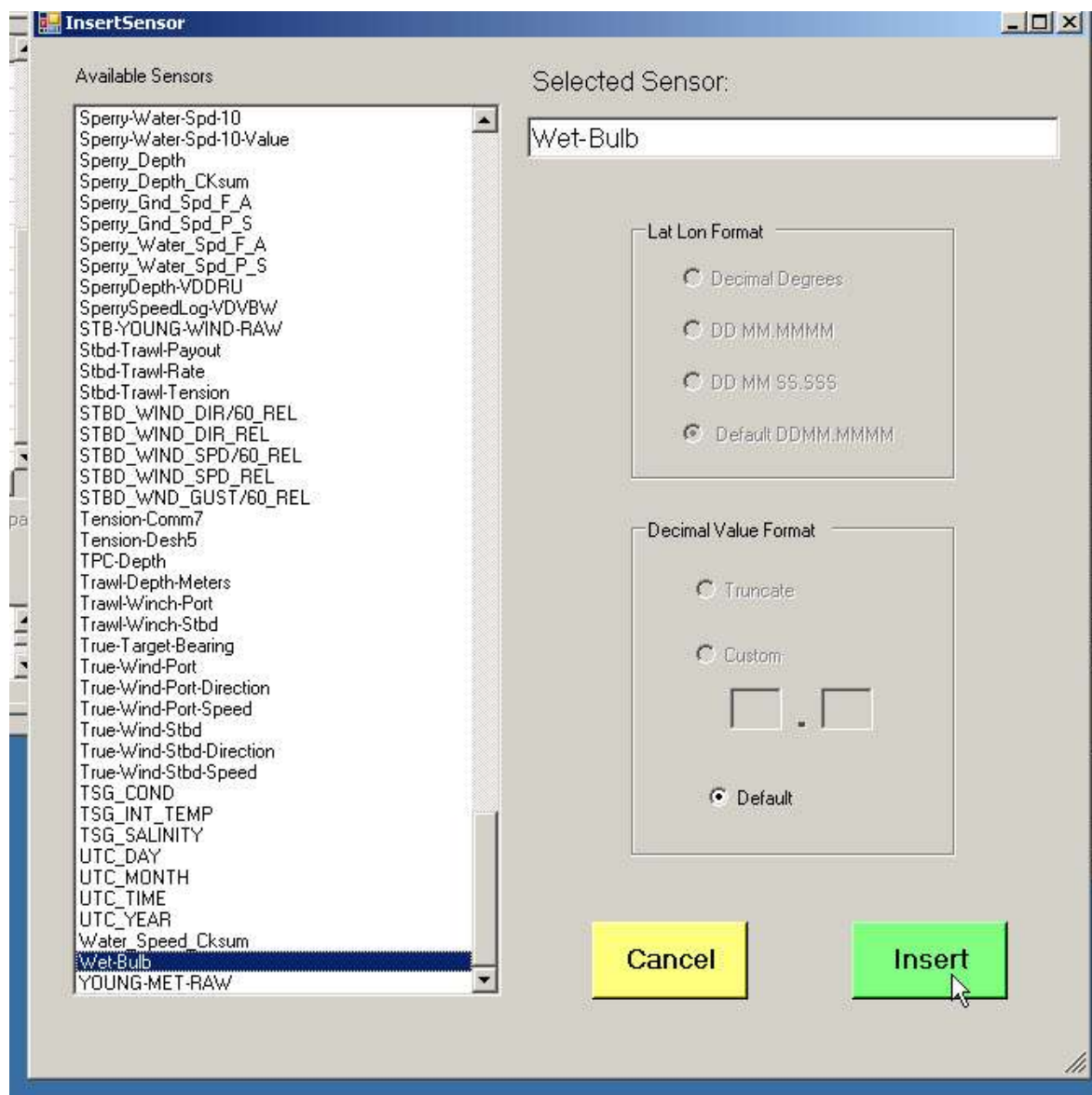


**Scroll down the available sensors and highlight “Dew Point”, Decimal Value Format should be Default. Click “Insert”**

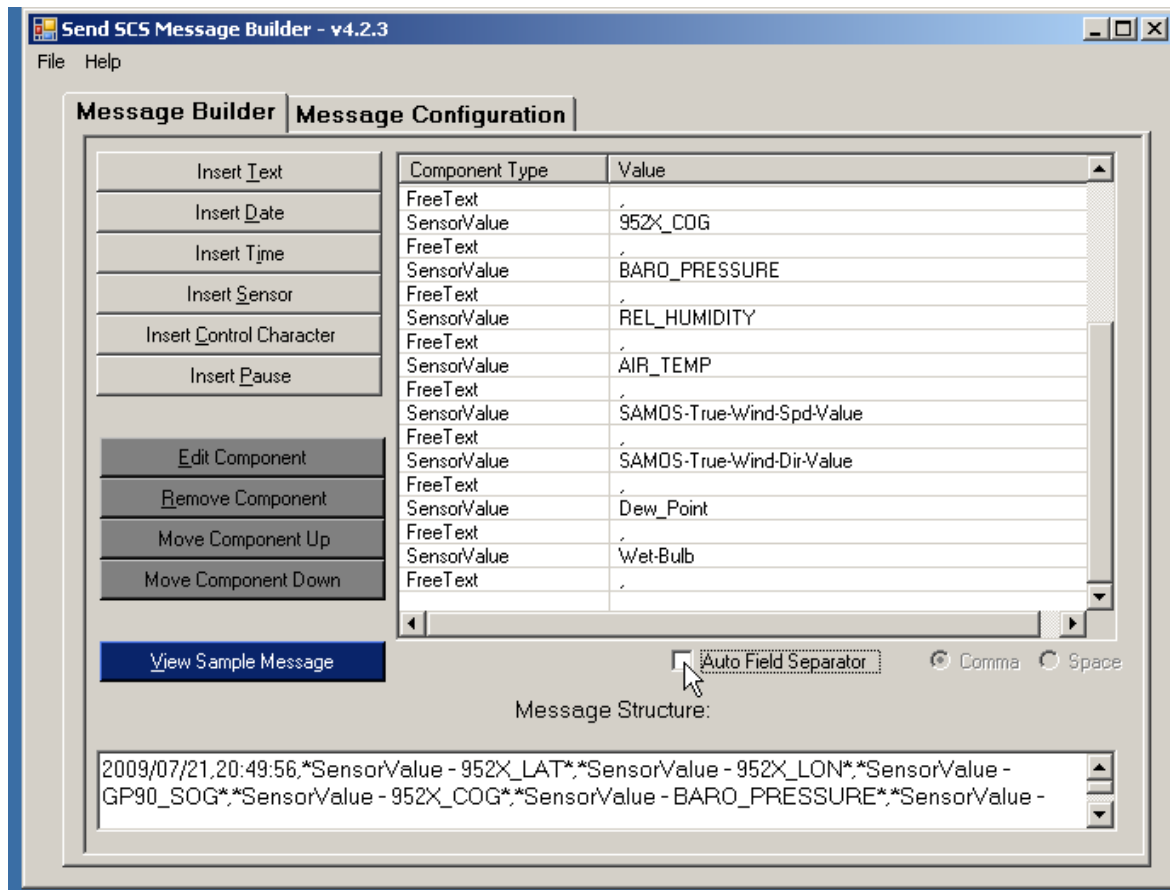




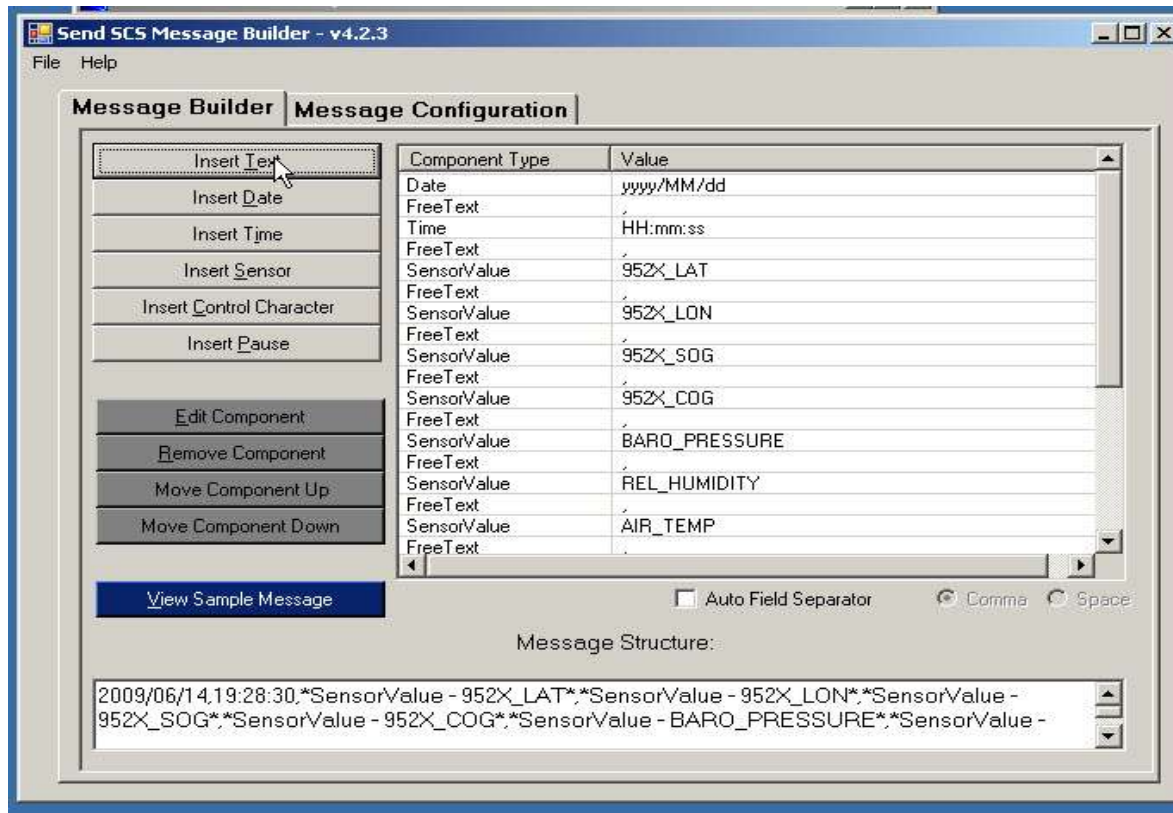
In the message builder, click on “Insert Sensor”



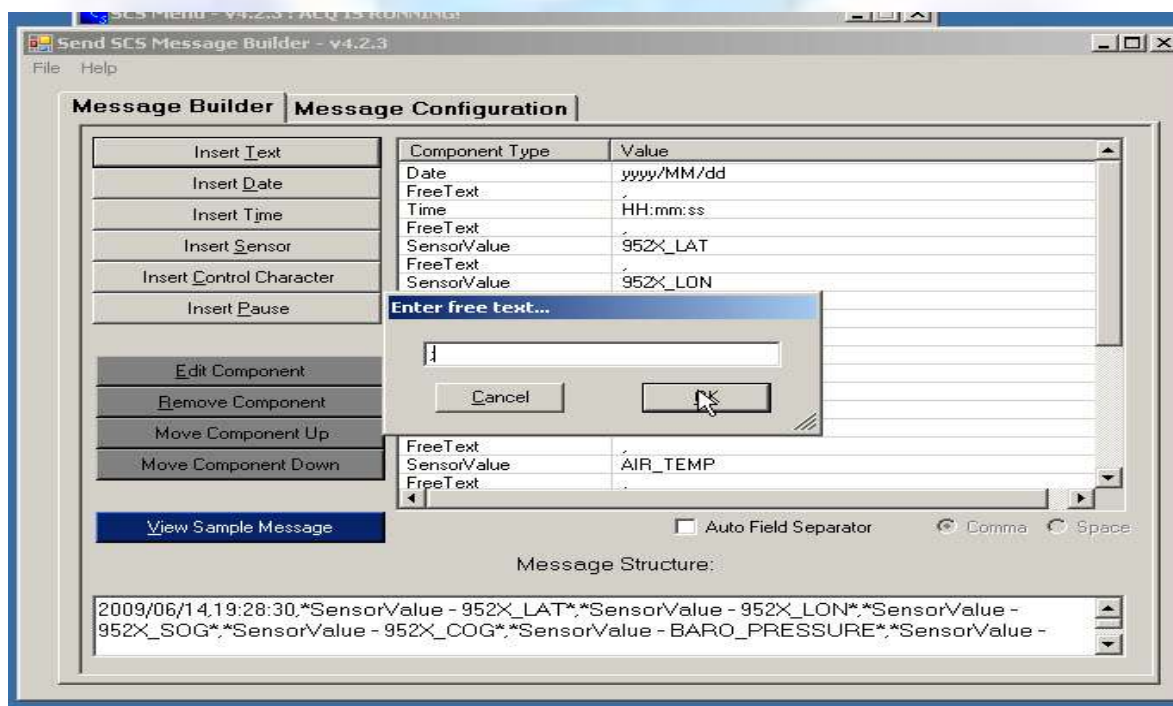
**Scroll down the available sensors and highlight “wet-bulb”, Decimal Value Format should be Default. Click “Insert”**



You are finished with inputting sensors, as shown above, toggle off the Auto Field Separator. To complete the template, you will need to insert a (;) at the end of the message.



In the message builder, click on “Insert Text”



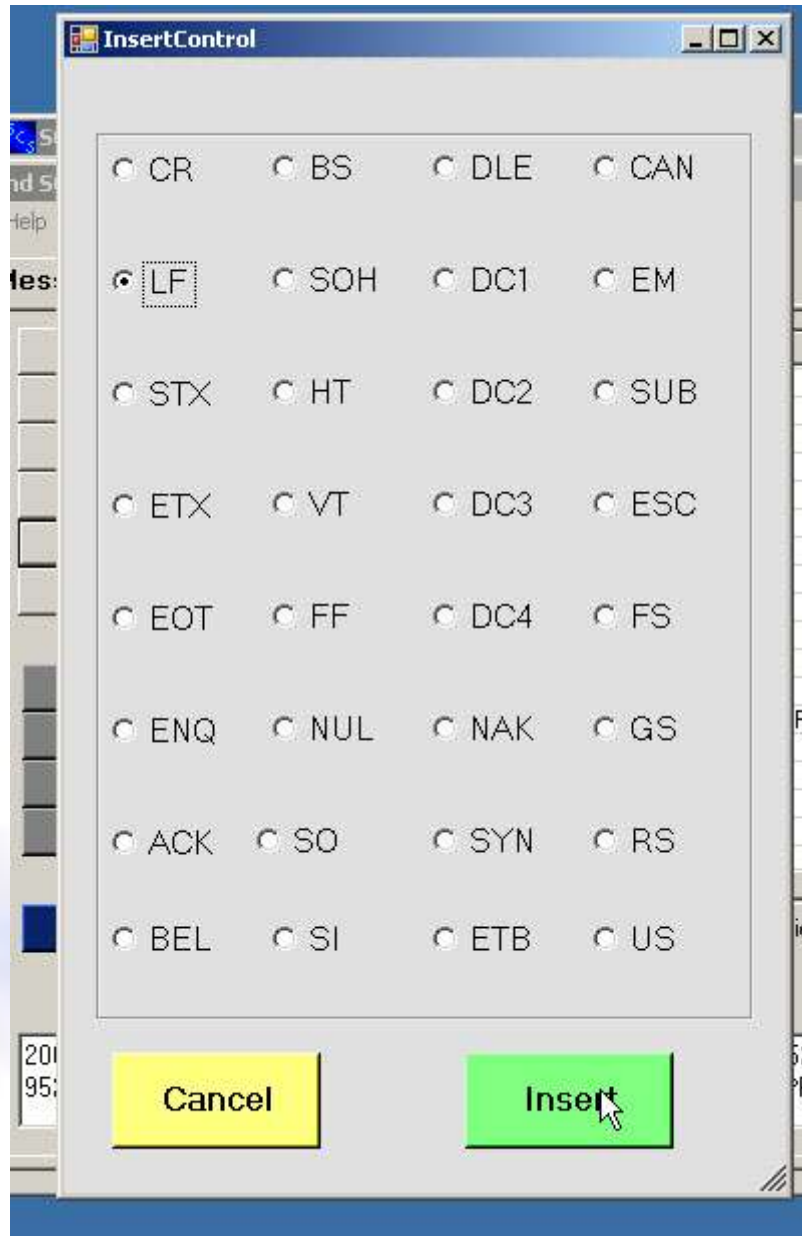
In the free text box, type “;” (semi-colon) and click “OK”



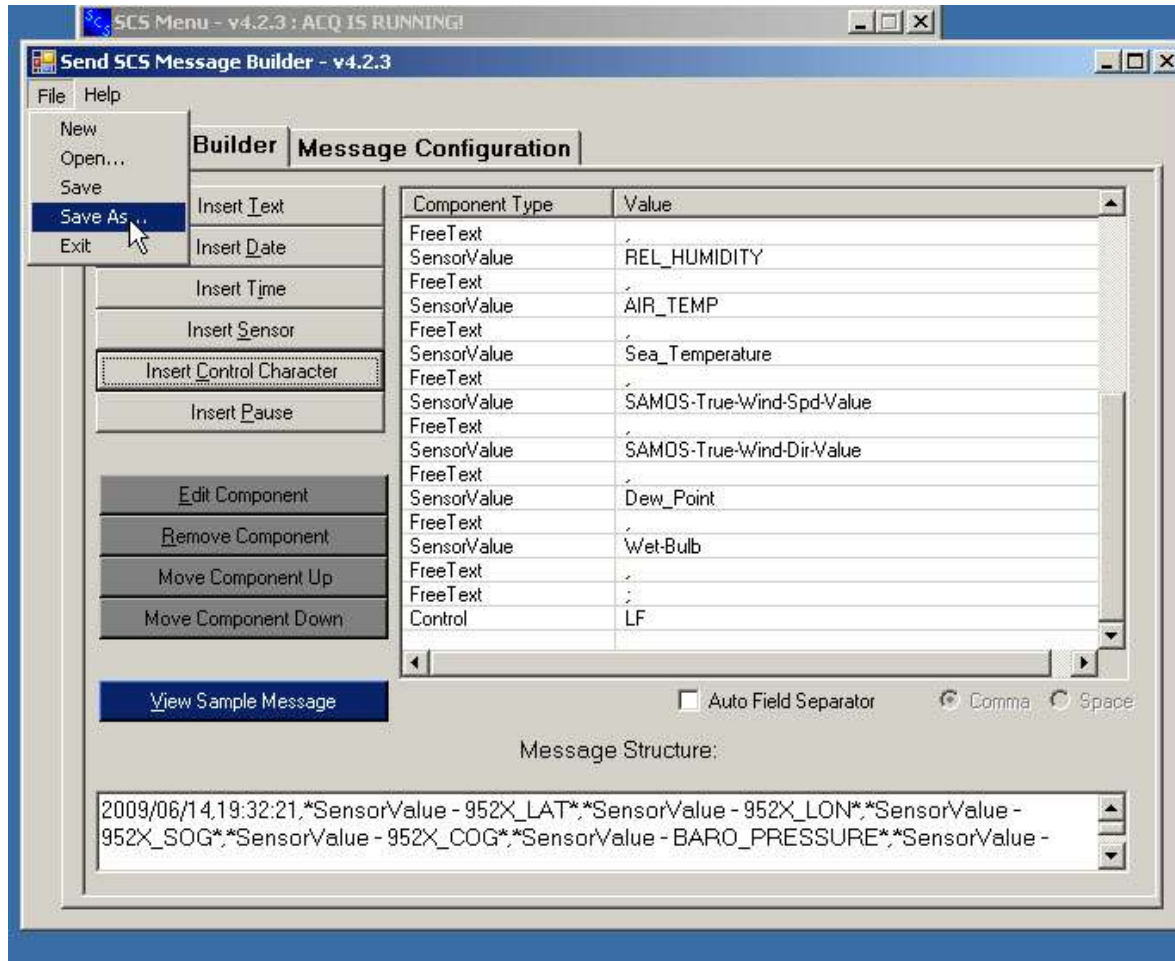


**Be sure to identify and click "LF"**

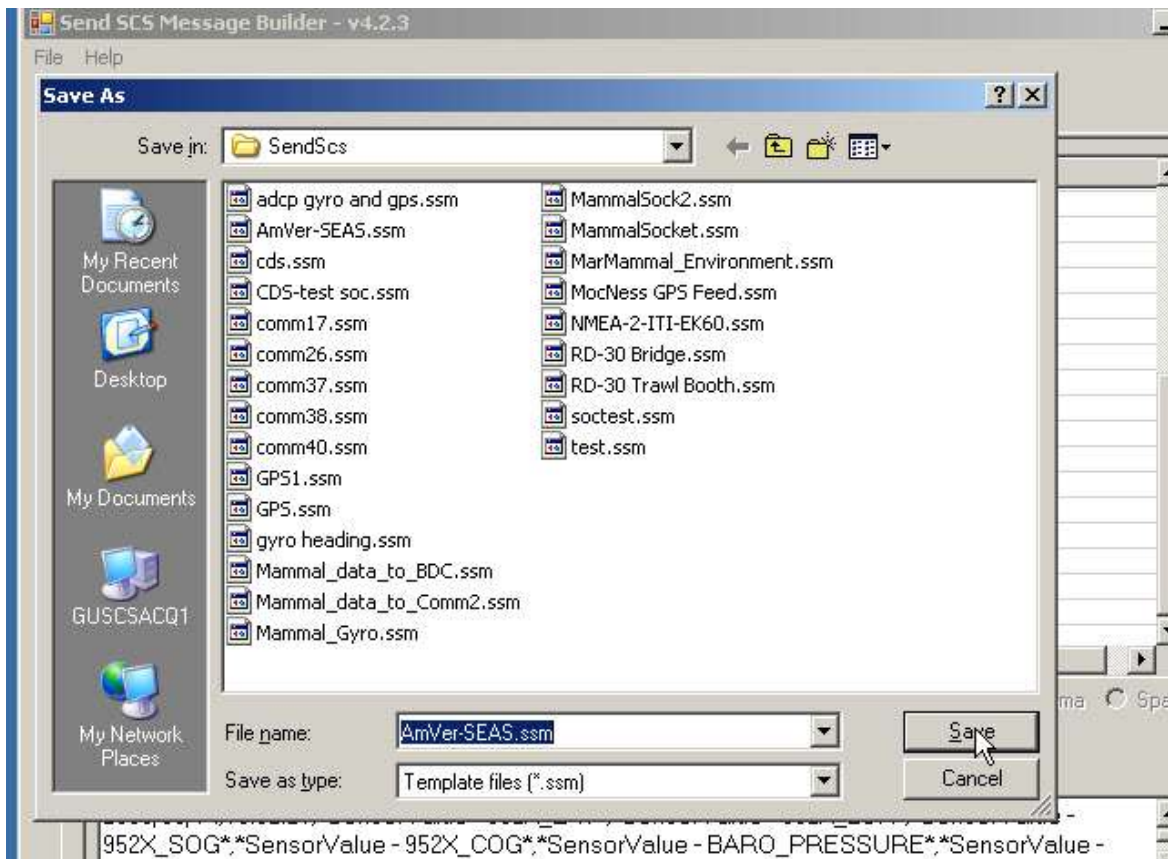




Click on "Insert"



Once you are finished with the template, go up to “File” and “SAVE AS”



**Save as above...Save in “SendScs”, File name AmVer-SEAS.ssm,**

**Save as type: Template files (\*.ssm)**

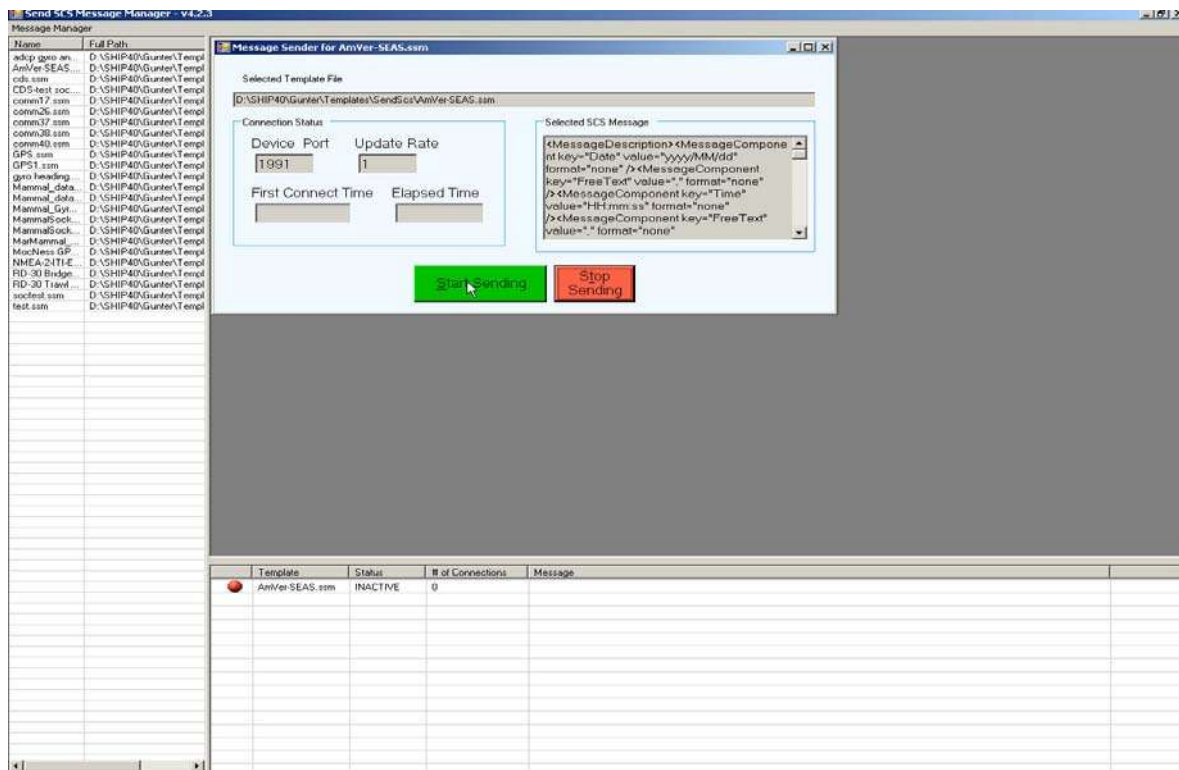
**Click on “Save”**

**At the SCS Menu...**

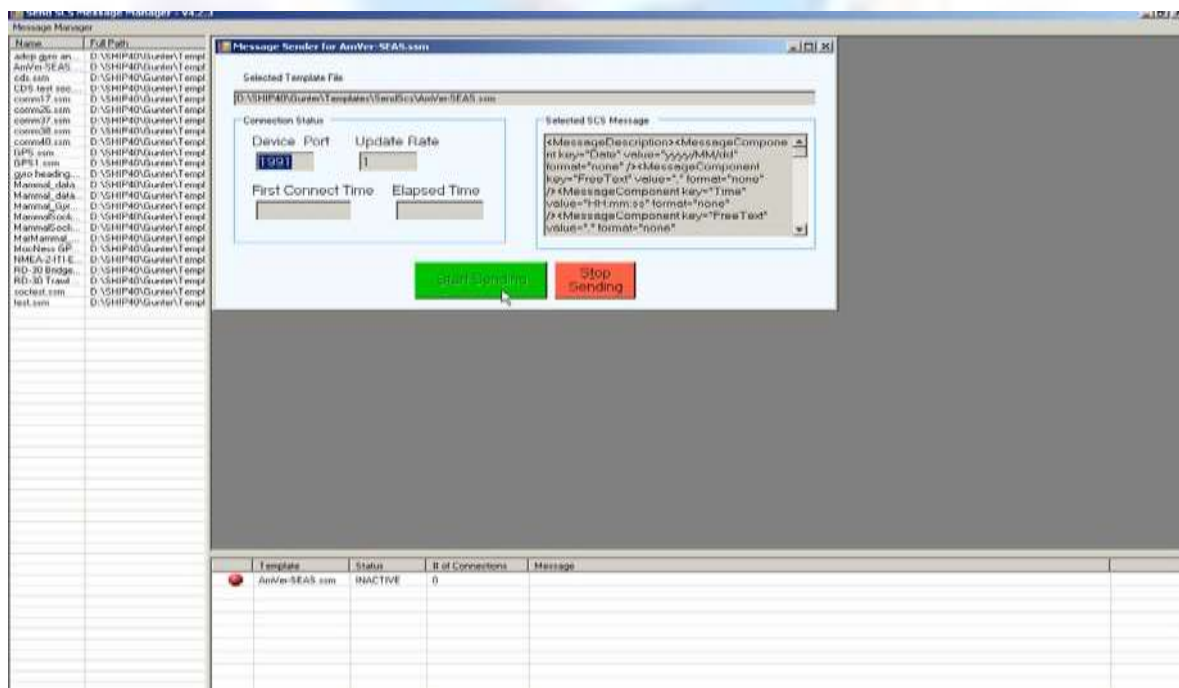


**Go to “Display”, “Send Data”, Send Scs Message as shown above**



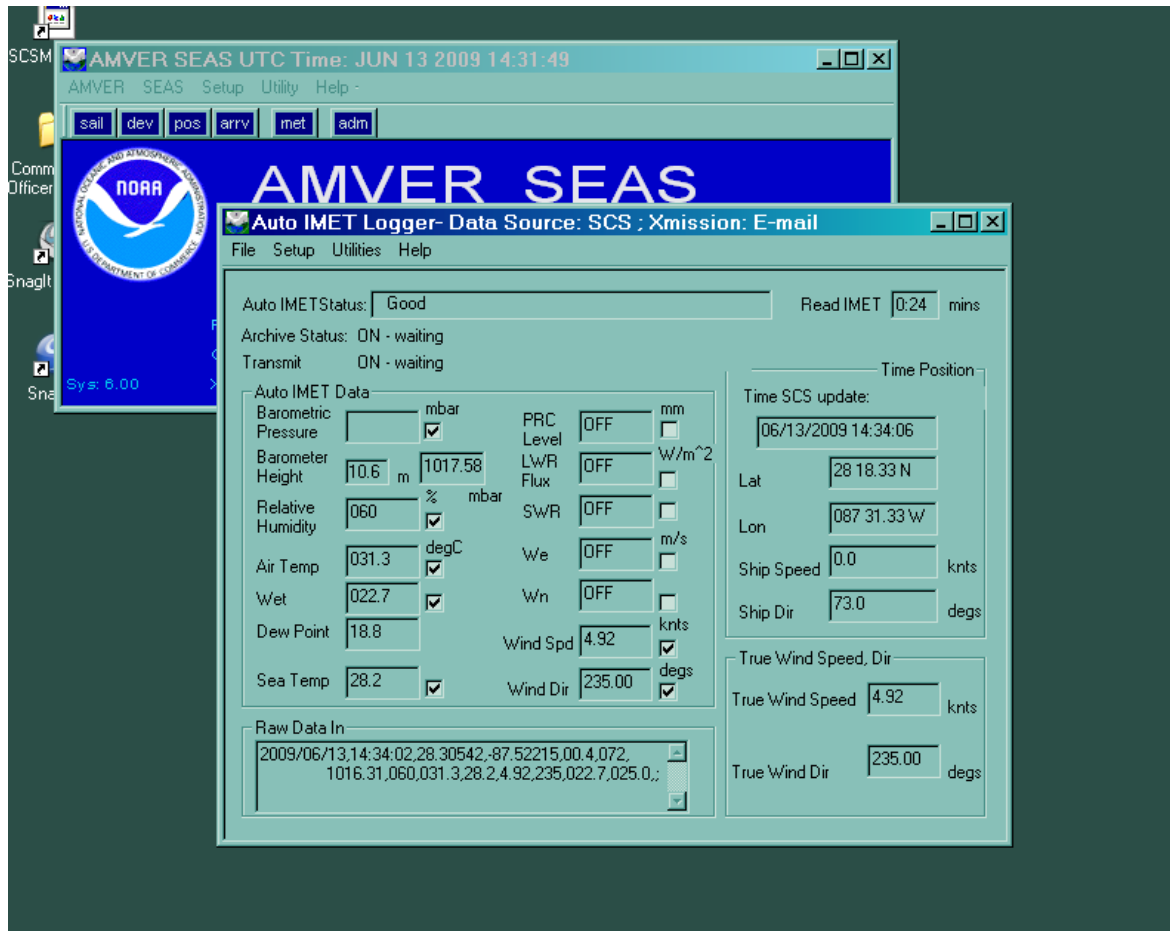


Message sender will pop up, as above, click on “Start Sending”



The bottom of this page is still showing red which is a fault of the SCS software. It should actually show green and say active, but it doesn't even though it is active.

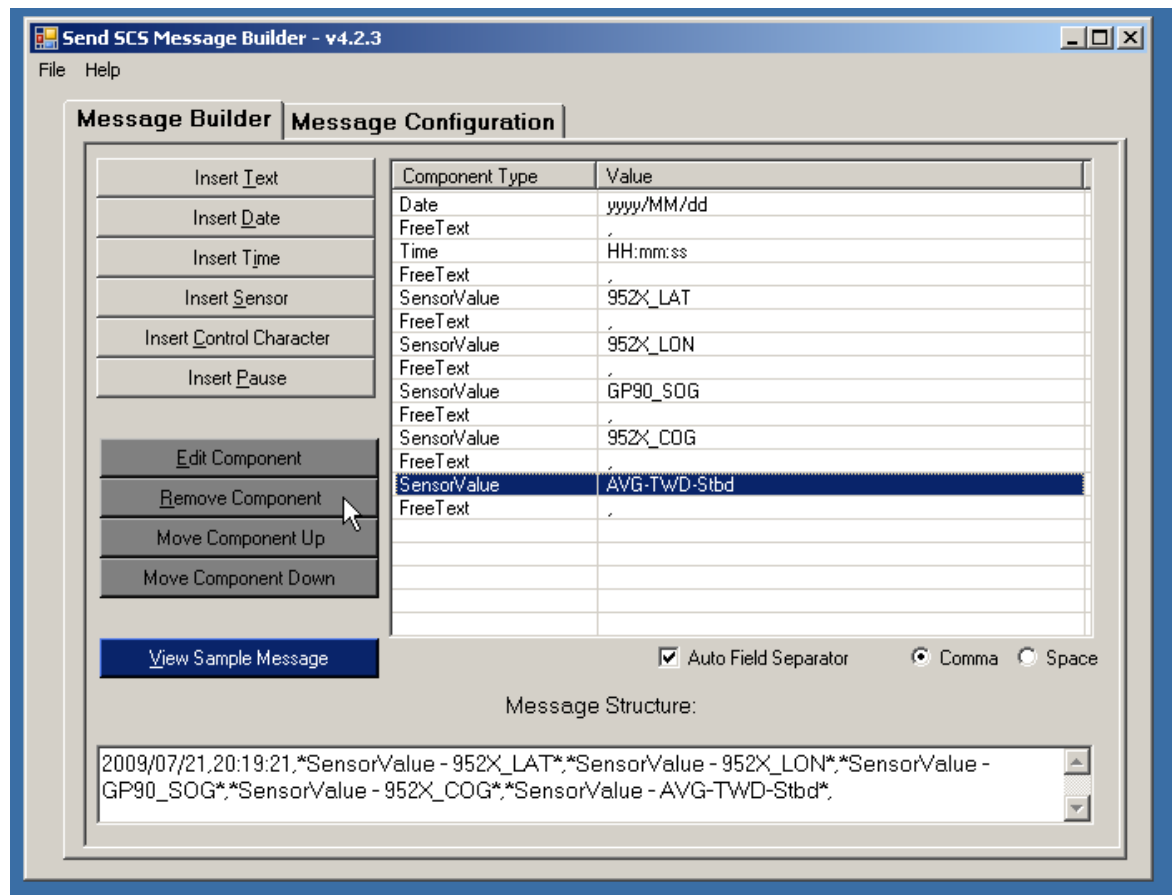
You should see data streaming in on the AutoIMET Logger at this point.



**\*Note: At anytime the SCS goes down or is shut down, you must manually restart the amVerSEAS message.**



Editing, removing or moving components within the message builder.



As shown above, if you need to edit your message builder, the bottom left buttons allow you the option to manipulate individual components as needed. Click on the component to be edited, then click on the appropriate command.

## **TROUBLE SHOOTING**

- **McAfee virus protection will prohibit transmissions, you will need to send an acceptance ( usually port 25)**
- **At times the Time Server will lock up for no apparent reason. This will be indicated by status showing GPS Status Failed. You will need to go into the IMET LOGGER, go to SETUP, SCS Program, and Start ->SCS Socket.**
- **\*\*\*IF EVER you need to REMOVE AMVERSEAS AutoIMET off the computer.....be sure the Mail Service is disabled or it will lock up your computer.**
-