AMVERSEAS v 9.3 Setup Guide

AMVERSEAS setup

Setting up SEAS Console

The SEAS Console is the interface to managing the AMVERSEAS applications' activities. It is a utility, where all the AMVERSEAS applications management functions are found.

SEAS Console	×
<u>File View Setup Reports U</u> tilities <u>H</u> elp	Info
Task SEAS Transceiver Interface SEAS XBT Data Recorder SEAS TSG Data Recorder SEAS PC-Watchdog SEAS Met Observations Logger AMVER Reporter Remote Command System	Status Stop Stop Uninstalled Uninstalled Uninstalled Uninstalled Stop
Ready	

Use the command **Main menu|Setup|Administration** to manage the AMVERSEAS administration information.

3	SEAS Con	sole	
]	File View	Setup Utilities Help Info	
F		Administration	
	TORA	Automatic startup	
		Outgoing server (SMTP) settings	
	AUMI	Remote command system	

When the **Administration** dialog comes up, it allows the user insert the necessary administrative information for AMVERSEAS applications' operation. To use it, the user can edit the fields and click **OK**. Remember, red-labeled fields are mandatory.

Agency in cha	arge of operati	ng the observing p	latform							
USA, Scripp	os Institution of	f Oceanography (S	IO)		•					
Cruise										
Cruise Line	PX00		Start Date	2/ 5/2015 🔻	Transect 17 Number					
Cruise Name	P123456		End Date	3/ 1/2015 👻						
Ship										
Company Name	NOLOSE		Call Sign*	TESA	ОК					
Ship Name*	TEST		V Has IM	0 number?	Cancel					
Maximum Speed*	22.50		IMO Number*	er* 1234567 *Mandatory						
Medical staff	f*	Forward		INMARSAT						
Nurse	MD	AMVER	MAREP	Number						
PA	Vone	JASREP		Equipment ty	pe					
Ship rider										
Institution	NOOA/AOML	NOOA/AOML								
Name	Ibis Gonzalez									
E-mail	caridad.i.gon	caridad.i.gonzalez@noaa.gov								
Dhono	305-361-432	305-361-4322								

Cruise group:

Line number is indicating the line number (e.g. AX10, AX8).

Date is indicating the cruise's date.

Transect number is a consecutive number indicating transect.

Ship group:

Company Name is indicating the company's name.

Ship Name is indicating the ship's name.

Call Sign is indicating the ship's call sign.

IMO Number is indicating the ship's IMO number.

Maximum speed is indicating the maximum ship's speed.

Medical staff group: Used to report the medical capability aboard the vessel during the voyage. It is important to accurately report your vessel's medical resources **EVERY VOYAGE**.

None if no medically trained personnel are aboard.

Nurse if a trained nurse is aboard.

PA if a physician's assistant or paramedic is aboard.

MD if a medical doctor or physician is aboard.

Forward group: Used to request relay of the AMVER report to certain other ship reporting systems.

INMARSAT group: Used to provide information on the best way to contact the vessel quickly.

Technician group:

Name is indicating the technician's name.

Email is indicating the technician's email address.

Phone is indicating the technician's phone number.

Alternate Name is indicating the alternate technician's name.

Alternate Email is indicating the alternate technician's email address.

Alternate Phone is indicating the alternate technician's phone number.

To define which application has to be started automatically use the command **Setup**|**Automatic startup**



Once the **Automatic startup** window appears select/unselect the applications that SEAS Console has to startup automatically. Also the user cans choice if the SEAS Console window will be minimized or not after it starts.

Automatic startup
AMVERSEAS applications
SEAS Transceiver Interface
SEAS XBT Data Recorder
SEAS TSG Data Recorder
SEAS PC-Watchdog
SEAS Met Observations Logger
SEAS AutoIMET Data Logger
AMVER Reporter
Remote Command System
Minimize SEAS Console window on startup
OK Cancel

Use the command **Main menu|Setup|Outgoing server (SMTP) settings** to manage the AMVERSEAS SMTP server information.



The SMTP (short for Simple Mail Transfer Protocol) works like a post assistant, handling the sending of emails from an email client to an email server. It receives outgoing mail messages from users and routes them to the mail recipients they are intended for.

Once the dialog **SMTP Server** appears the user can configure the SMTP server.

Settings Server name: smtp.gmail.com
Server name: smtp.gmail.com
Port: 587
Authentication
User name: caridad.i.gonzalez@noaa.gov
Password: **********
Connection
Connected to the internet through a dial-up connection?
Name:
OK Cancel

Setting up SEAS Transceiver Interface

The SEAS Transceiver Interface is a real time application that combines reception of GPS data and transmission of recollected data over several devices. The application reads time,

position, velocity, and course heading, and puts all of this information in a shared memory to be used for other applications; this information is given out in encoded format. This is the called "**Receiver**". Also SEAS Transceiver Interface provides a reliable transmission of the collected data via satellite. It transmits binary reports out the serial port to the transceiver unit, or via internet to an ftp site. The work is transparent to the user, and can be used for verification of the transmission. This is the called "**Transmitter**".

Use the command **Main menu|Setup|Adjust time zone to UTC|On** or **Off** to activate or deactivate the automatic setting to UTC time zone.

🛠 S	🏘 SEAS Transceiver Interface									
File	View	Setup	Options	Help						
	Receiv	Adju	ist time zo	ne to UTC	Þ	On	1			
	GPS data source setup									
	arsa	ata soun	ce setup	COM			Da.			

Receiver settings

Yew Setup Help Receiver Taramitter GPS data source setup OM Bits per second Data bits Party Stop bits Flow control None T Thrane and Thrane Y 4800 Y None T To Thrane and Thrane Port Number Initialize Connect Primay source of data C Fidum C Thrane and Thrane Fidum C Thrane and Thrane Fidum C Thrane and Thrane Finany source of data C Fidum C Thrane and Thrane Finany source of data C Fidum C Thrane and Thrane Finany source of data C Fidum C Thrane and Thrane C NMEA Remote computer Finany source of data C Fidum C Thrane and Thrane C NMEA Remote computer Remote co	SEAS Transceiver Interfac	e a a a a a		
Receiver Tansmitter GPS data source setup COM Bits per second Data bits Parity Stop bits Flow control Indium COM1 I 15200 B None I None I None I None I None I DTR/CTS Image: Computer	e <u>V</u> iew <u>S</u> etup <u>H</u> elp			
GPS data source setup CDM Bis per second Data bits Parity Stop bits Flow control I tridium CDM1 I 1200 8 None 1 None I I Thrane and Thrane I 4800 8 None 1 I I I I TRUE I NMEA CDM4 I 4800 8 None 1 I I I I TRUE I PAddress Port Number I I I I I I I I I I I I I I I I I I I	Receiver Transr	nitter		
Indium COM1 Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Image and Thrane Remote computer Image and Thrane Image and Thrane Image and Thrane Image and Thrane Remote computer Image and Thrane Image and Thrane Image and Thrane Image and Thrane Remote computer Image and Thrane Image and Thrane Image and Thrane Image and Thrane Source Raw Raw Image and Thrane Image and Thrane Image and Thrane Source Date Time Lastude [DD	GPS data source setup	Elow control		
Initiale and Tinale Initiale Initiale Initiale Initiale IP Address IP Address Port Number Initiale Initiale Primary source of data Secondary source of data Initiale Connect Primary source of data Initiale Initiale Connect Remote computer Initiale Initiale Connect Raw BPS data Remote computer Remote computer Initiale Initiale Source Raw RMC.200903 00.A.2544 08282 N.08003 71 93.0W.0.033.25.18.200315D*41 Initiale NMEA 03-20.2015 20.08.09 25 44 08 N 080 09 71 W 000 025 Indium 03-20.2015 20.09.44 37 00 00 N	✓ Iridium	COM1 V 19200 V	8 v None v 1	
IP Address Port Number Remote computer Initialize Connect Primary source of data Initialize Connect Initialize Initialize Initialize Initialize Initialize Initialize Initialize Initialize Initialize Initialize Initialize Initialize Remote computer Initialize Initialize Rew GPS data Initialize Remote computer Initialize Source Date Time Latitude (DD Longitude (D Spe NMEA <t< th=""><th></th><th>COM4 - 4800 -</th><th>8 V None V 1</th><th>V None V</th></t<>		COM4 - 4800 -	8 V None V 1	V None V
Remote computer Initialize Connect Primary source of data Initialize Initialize Connect Initialize Initialize Initialize Connect Initialize Initialize Initialize Connect Initialize Initialize Initialize Initialize Connect NMEA Initialize Initialize Initialize Connect Remote computer Initialize Initialize Initialize Connect Raw GPS data Source Raw RMC.200894 0.0254.0828.2N.06009.71930.W10.039.25.18.2003150*41 NMEA NMEA RMC.200894 A.3700.000.N.00641.682.E.20.0.90.200315.18.W*53 Initialize Course Indium Date Time Latitude (DD Longitude (D Spe. Course Indium 03-20-2015 20.08.09 25.44.08 N 080.93.71 W 000		IP Address	Port Number	
Primary source of data Secondary source of data Initium C Iridium Initium Initium C Thrane and Thrane NMEA Initium Remote computer Remote computer Initium Raw GPS data Remote computer Remote computer Source Raw Indium RMC,200803.00,A,2544.08282,N,08003.71930,W,0.039,25.18,200315,,,D*41 NMEA RMC,200944,A,3700.000,N,00641.682,E,20.0,90,200315,18,W*53 Parsed GPS data Source Source Date Indium RMC,200944,A,3700.000,N,00641.682,E,20.0,90,200315,18,W*53 Parsed GPS data Source Source Date Indium 03-20-2015 Source Date Indium 03-20-2015 NMEA 03-20-2015 Source Date Indium 03-20-2015 NMEA 03-20-2015 Q0:093 Z5 44 08 N 080 09 71 W 000 025 NMEA 03-20-2015 20:09:44 37 00 00 N 006 41 68 E 020 090	Remote computer	· · ·	Initialize Con	nect
Baw GPS data Source Raw Iridium RMC.200809.00,A,2544.08282,N,08009.71930,W,0.039,25.18,200315,,,D*41 NMEA RMC.200944,A,3700.000,N,00641.682,E,20.0,90,200315,18,W*53 Parsed GPS data Source Source Date Iridium 03-20-2015 20:08:09 25:44.08 N 080 09 71 W 000 025 020 NMEA 03-20-2015 20:09:44 37:00:00 N 006 41 68 E 020 03-20-2015 20:09:44 Apply Restore Diriginal Restore Default	C Iridium C Thrane and Thrane C NMEA C Remote computer	 Iridium Thrane and Thrane NMEA Remote computer 	C Iridium C Thrane and Thrane C NMEA C Remote computer	
Source Date Time Latitude (DD Course Iridium 03-20-2015 20:08:09 25:44:08282,N,08009,71930,W/0.039,25:18,200315,,D*41 Parsed GPS data	- Raw GPS data	R∋w		
Source Date Time Latitude (DD Longitude (D Spe Course Iridium 03-20-2015 20:08:09 25 44 08 N 080 09 71 W 000 025 NMEA 03-20-2015 20:09:44 37 00 00 N 006 41 68 E 020 090	Iridium NMEA	RMC,200909.00,A,2544.0826 RMC,200944,A,3700.000,N,0	i2,N,08009,71930,W,0.039,25,18,200315,,,D*41 0641.682,E,20.0,90,200315,18,W*53	
Source Date Time Latitude (DD Longitude (D Spe Course Iridium 03-20-2015 20:08:09 25 44 08 N 080 09 71 W 000 025 NMEA 03-20-2015 20:09:44 37 00 00 N 006 41 68 E 020 090	Parsed GPS data			
Apply Restore Driginal Restore Default	Source Iridium NMEA	Date Time L 03-20-2015 20:08:09 2 03-20-2015 20:09:44 3	atitude (DD Longitude (D Spe Course 5 44 08 N 080 09 71 W 000 025 7 00 00 N 006 41 68 E 020 090	
			Apply Restore Original	Restore Default

The Receiver tab allows set the configuration from the serial ports of each supported device selecting the **COM** port, the **Bit per second**, the **Data bits**, the **Parity**, and the **Flow control**. Setting the checkboxes the user set the read data option as enabled.

Under the **source of data** groups the Receiver allows set the primary, secondary or tertiary source of collected data when a radio button is selected, at least one has to be selected.

Transceiver settings

😵 SEAS Transceiver Interface	
<u>File V</u> iew <u>S</u> etup <u>H</u> elp	
Receiver Transmitter	
C:\Users\Public\Documents\transmissionQueue\	Browse
FTP server info	
Server 192.111.123.134	Phone-book entry name Iridium
Upload path //default/	Transmit on
User name username	Use MS BAS dialer
Password *****	Check queue every 10 minute(s)
Transmitter configuration	
Server 127.0.0.1	Liet local IP address
Port 25000	Connect
Transmission queue	Transmission status
	< <u> </u>
Cashah Canada anti-	Carielant
Dn	
	COM Bits per second Data bits
IP Address 172 . 16 . 107 . 93	COM2 • 4800 • 8 •
Destructure 0	Parity Stop bits Flow control
Port number j	
	NUM Apr 24, 2017 21:25:06

If you want to use Iridium to transmit, which decreases the transmission costs, check the box **Transmit on** to run the IridiumFTP program. This program is a minimal FTP program that performs binary uploads via a TCP/IP connection. Aside from a regular Ethernet connection, the program can use the Windows RAS dialer to establish a dialup connection. If a disconnection occurs in the middle of an upload, the program can resume where it left off the next time it connects.

The other options can be used simultaneously. They send a GPRMC sentence via socket and/or serial port to be used as source data for another system.

Don't forget to press **Save** to save the changes.

Setting up SEAS TSG Data Recorder

Hardware installation



Hardware configuration

Before starting the SEAS TSG Data Recorder application the Interface Box, the SBE 45 MicroTSG, and the SBE 38 remote temperature sensor have to be connected and configured using the SEATERM software delivered with the equipment, or other program like HyperTerminal. Also it is possible using the options on **Main menu**|**Tools**|**Auto baud rate detection** and **Main menu**|**Tools**|**Set instruments default config**.

Software setup

The SEAS TSG Data Recorder is a real time data acquisition, data processing, and data recording application that operates on vessels where there is a SBE 45 MicroTSG Thermosalinograph unit installed collecting TSG data.

EAS TSG Data I	Recorder Tools Help 1	Info									
Serial port setu COM	p Bits per second	Data	bits Parity	Stop bit	s Flow con	TINSTRU TSG ur SBE 4	ment Sa nit Co 5 -	ampling interval ollection Transmissi 10 secs 60	on GPS data source © NMEA navigation © SEAS Transceiver secs C Auto	device Interface	
Ship information					echnician infor	mation					
Ship Name	IMO Number	Call Sign	Speed		Name	Ema	اتد	Phone	alternate Name alter	nate Email	alternate Phone
SEAS_TEST	12345678	TEST567	Invalid	knots	Carlos I Per	ez ca	rlos.i.perez@r	no 305-521-9406			
-Parsed TSG dat	a ready to arch	ive							- Raw incomming TSG data		
Date	Time	TSG Tem	TSG Cop	Salinity	Sound Ve	Demote T	Latituda	Longitude 🔺	Paw		
03-02-2002	05:22:46	22 7850	5 29402	36 6873	1531 219	22 9701	38 04 144 N	123.08.800 W	t1= 22 7850 c1= 5 29402 c	= 36 6873 ev=1	531 219 12= 22 9701
03-02-2002	05:22:37	22.7855	5.29399	36.6867	1531.204	22.9645	38 04 111 N	123 08 847 W	t1= 22,7855, c1= 5,29399, s	= 36.6867. sv=1	531.204, t2= 22.9645
03-02-2002	05:22:25	22.7847	5,29396	36.6871	1531.176	22.9532	38 04 065 N	123 08 908 W	t1= 22,7847, c1= 5,29396, s	= 36.6871, sv=1	531.176, t2= 22.9532
03-02-2002	05:22:16	22.7845	5.29394	36.6871	1531.145	22.9410	38 04 028 N	123 08 952 W	t1= 22.7845, c1= 5.29394, s	= 36.6871, sv=1	531.145, t2= 22.9410
03-02-2002	05:22:07	22.7846	5.29392	36.6869	1531.117	22.9301	38 03 992 N	123 08 996 W	t1= 22.7846, c1= 5.29392, s	= 36.6869, sv=1	.531.117, t2= 22.9301
03-02-2002	05:21:55	22.7838	5.29386	36.6871	1531.067	22.9104	38 03 946 N	123 09 056 W 🔤	t1= 22.7838, c1= 5.29386, s	= 36.6871, sv=1	.531.067, t2= 22.9104
13-02-2002	05:21:46	22 7839	5 29383	36 6868	1531 028	22 8951	38.03.912 M	123.09.102.W	H= 22 7839 c1= 5 29383 s	= 36 6868 sv=1	531 028 F2= 22 8951
Collection				Transmissio	n						
	YYYY - MM	- DD Hł	н : ММ	Begin 20	011 - 03	01 22	: 141 In	iterval 24 : 00	Last 2010-12-21 20:04	1:05	
Delayed	2011 - 03	- 01 2	1 17	🗌 No tra	nsmission when	ship is stoppe	t Co	ountdown 01:05:09	Next 2011-03-01 22:41	1:00	Save
				🔽 Satellit	e transmission	is allowed					
Current Data a	and OK									ALLINA D	Max 01 2011 21/26/01

Step 1: Once the application is ready for deployment you have to setup the serial port and then check the box **ON**. The length of the cable and the baud rate are related, see hardware documentation for more information.

	SBE 45 MicroTSG
Baud rate	9600
Data bits	8
Parity	None
Stop bits	1
Flow Control	None

Step 2: Test if the application is able to communicate with the Interface Box by using the commands **Main menu**|**Tools**|**Communication test** that displays the configuration.

TSC S	EAS T	SG Dat	a Reco	order										
File	View	Setup	Tools	Help	Info			_						
	-Serial	port set	Zip Tra	and are nsmit d	thive collect ata	ted data							7	In
		СОМ	Upo	late ca	ibration co	efficients		arity	:	Stop bits	;	Flow contro		TS
	N 0		Aut	o baud	rate deteo	tion:	r	None	-	1	Ŧ	None 💌		S
			Con	nmunica	ation test		•	Inte	erface	Box				H
L r	-Ship in	formatio	Set	instrun	nents defa	ult config	Þ	SBE	: 45 M	icroTSG				-
	Ship N	lame	IMO	Number	r Call S	ign	ЪΡ	SBE	38 re	emote te	mpe	rature senso	r	
	SEAS	5 TEST	123	45678	TEST	1567	Ir	ivalid			Ca	arlos I Perez		_

Step 3: If the application doesn't show the configuration means that it can't establish communication with the Interface Box then you have to change the baud rate using the command **Main menu**|**Tools**|**Auto baud rate detection** to change the baud rate in the SBE 45 and/or SBE 38 for compatibility with the Interface Box. To data acquisition AOML configures the baud rate between Interface Box and computer to 9600, and the baud rate between Interface Box and other instruments/devices to 4800. This automatic detection is useful for establishing communication between the instruments.

🚟 SEAS TSG Data Recorder									
File	View	Setup	Tools	Help	Info				
	Serial	port set	Zip Tra	and ar nsmit d	chive o lata	ollected data			
		СОМ	Upo	rs arity					
				Auto baud rate detection					
			Con	•					
Г	-Ship in	formatio	Set	g 🔸 📩					
	Ship N	lame	IMO	Number	r c	all Sian	Speed		

Step 4: Now you are almost ready to read the instruments default setup, and set them appropriately using the command **Main menu**|**Tools**|**Set instruments default config** for each of them.

TSC S	EAS T	'SG Dat	a Reco	order					
File	View	Setup	Tools	Help	Info				
	-Serial	port set	Zip Tra	and arc nsmit da	hive collected da ata	ata			Ins
		COM	Upo	late cali	bration coefficie	nts		arity Stop bits Flow control	TS
	Ø		Aut	o baud nmunica	rate detection tion test		•	Jone 🔻 1 💌 None 💌	SE
1	-Ship in	iformatio	Set	instrum	ents default cor	nfig	۲	Interface Box	
	Ship N	lame	IMO	Number	Call Sign	-	ър	SBE 45 MicroTSG	
	SEAS	5_TEST	123	45678	TEST567		I	SBE 38 remote temperatute sensor	

Step 5: Under the **Main menu|Setup|Transmission queue directory...** select the transmission queue path



Use this command to select the transmission queue directory, where SEAS TSG Data Recorder will post the files ready to transmit. A **Browser for Folder** dialog appears that allows the user to select a folder.

When this dialog box comes up, it displays the **Desktop** folder as the parent and all the other folders can be located from it. To use it, the user can click one of the folders or drives and click **OK**. If the desired folder is not seen but is available, the user can expand the existing folders and drives, click the desired folder, and click **OK**. If the necessary folder is not available at all, the user should first create the desired folder outside the application.



Step 6: Select how would you like to read the calibration coefficients using the command **Main menu|Setup|Reading calibration coefficients.** This command selects if the SEAS

TSG Data Recorder reads the calibration coefficients from the SBE 45 MicroTSG, and SBE 38 remote temperature sensor, and updates the GUI automatically or the user has to type them.



The calibration coefficients are very important metadata that have to be transmitted. Go to **Main menu**|**Tools**|**Update calibration coefficients** to ensure that the application knows the calibration coefficients that will be used as meta-data.

TSC S	😸 SEAS TSG Data Recorder							
File	View	Setup	Tools	Help	Inf	o		
	Zip and archive collected data Serial port set Transmit data							
		СОМ	Upo	Update calibration coefficients				
	Auto baud rate detection							
	-Ship in	iformatio	Set instruments default config					
	Ship N	lame	e IMO Number Call Sign Speed					

The Calibration Coefficients dialog appears. Click **Read Coefficients** button to update the information. Manually enter the missing information. To save it, click the **OK** button.

😸 SEAS TSG Data Recorder -	Calibration Coefficients			X
TSG unit Model Number SBE45 Serial Number 0073 Intake depth meters Pipe length meters	Conductivity T Calibration 08-may-07 Date -9.776560e-01 CG -9.776560e-01 CH 1.440116e-01 CI -1.165459e-04 CJ 3.229662e-05 CPCOR -9.570000e-08 CTCOR 3.250000e-06 WBOTC 1.077696e-05	Temperature Calibration 08-may-07 Date -6.063892e-06 TA0 -6.063892e-06 TA1 2.783052e-04 TA2 -2.645087e-06 TA3 1.581528e-07	Remote sensor Model Number SBE 38 Serial Number 00180 Intake depth meters Pipe length meters	Temperature Calibration 11-jun-08 Date -1.335250e-05 TA0 -1.335250e-05 TA1 2.763461e-04 TA2 -2.415561e-06 TA3 1.561423e-07 Slope
		Read Coefficients		OK Cancel

Step 6: Finish the setup by entering following settings in the main screen.

SEAS TSG Data Recorder
Serial port setup COM Second Data bits Parity Stop bits Flow control P on COM4 9 9600 9 8 9 None 9 1 9 None 9 Tota function for the flow control of the flow contro
Ship information
SEAS_TEST 12345678 TEST567 Invalid Knots Carlos I Perez Carlos I.perez@no 305-521-9406 Image: Carlos I Perez
Parsed TSG data ready to archive Raw incomming TSG data
Date Time TSG Tem TSG Con Salinity Sound Ve Remote T Latitude Longitude 🔺 Raw
05-15-2002 01:20:49 22.0420 5.21183 36.6679 1531.527 23.1002 380 370 N 123 12 960 W 05-15-2002 01:20:49 22.0420 5.21183 36.6679 1531.457 23.20760 380 366 N 123 13 004 W 11=22.0420, c1=5.21183, s=36.6679, sv=1531.457, L2=23.1002 03-15-2002 01:20:31 22.0386 5.21154 36.6684 1531.344 23.0277 38 03 629 N 123 13 004 W 11=22.0420, c1=5.21183, s=36.6683, sv=1531.467, L2=23.0076 03-15-2002 01:20:19 22.0375 5.21136 36.6679 1531.351.22, 29909 38 03 567 N 123 13 006 W 11=22.0430, c1=5.21154, s=36.6683, sv=1531.344, L2=23.0277 03-15-2002 01:20:01 22.0375 5.21106 36.6683 1531.130 22.9458 38 03 577 N 123 13 137 W 11=22.0420, c1=5.21105, s=36.6683, sv=1531.130, L2=22.9909 11=22.0420, c1=5.21105, s=56.6683, sv=1531.136, L2=22.9909 11=22.0420, c1=5.21105, s=56.6683, sv=1531.136, L2=22.9909 11=22.0420, c1=5.21105, s=56.6683, sv=1531.130, L2=22.9909 11=22.042
Collection
YYYY - MM - DD HH : MM HH : MM YYYY-MM-DD HH:MM Delayed 2011 - 03 - 14 17 : 34 15 17 : 33 Interval 24 : 00 Last 2010-12-21 20:04:05 Image: Delayed 2011 - 03 - 14 17 : 34 Image: Delayed Countdown 23:57:10 Next 2011-03-15 17:33:00 Save
Serial Success. Data read OK. MUM Mar 14, 2011 17:36:00 🥢

Instrument group: Chooses the used TSG unit (SBE 45).

Sampling interval group: Sets up the sampling interval.

Collection: Sampling interval in seconds between samples that the SEAS TSG Data Recorder takes and archives.

Transmission: Sampling interval in seconds between samples that the SEAS TSG Data Recorder takes and put ready to transmit.

GPS data source group: Selects the source to read the GPS data. It could be the connected NMEA device to the Interface Box, the SEAS Transceiver Interface application or a remote computer via socket.

Collection group: Sets up the collection process. The collection of data can be **Delayed** until a future time; this is when the collection of data will begin for transmission. This could be used if the user is in port and he/she knows when will be leaving later.

Transmission group: Sets the transmission process setup, and display information.

Begin: Sets the time to begin the transmission process.

No transmission when ship is stopped: Chooses if the collected data to transmit will be transmitted when the ship is stopped (speed less than or equal to 1 knot) or not.

Satellite transmission is allowed: Starts or stops the task that copies the recorded data to the Iridium's queue for the real transmission via satellite.

Interval: Sets the transmission lapse in which the data will be transmitted; it should be greater or equal 5 minutes, the time it takes to make the application initialization.

Don't forget to press the **Save** button to make active the new application configuration, and saves any configuration change into **TsgDataRecorder.ini** file.

If you want to read the GPS data from a remote computer you have to set the parameter using the command **Setup**|**Remote GPS data source**|**Computer settings.** Use this command to set the IP address, and the port number of the remote computer, which provides a GPRMC sentence.

TSC S	se SEAS TSG Data Recorder									
File	View	Setup	Tools	Help	Inf	o				
		Tran	smissior	n queue	e dir	Ī				
	-Serial	Rea	Reading calibration coefficients							_
		Rem	ote GPS	i data s	our	ce	×		Computer settings	H
	<u>№</u> 01	Rem	Remote command settings						Initialize socket	ĺ
Conr							Connect socket	٢h		
	Ship N	ame IMO Number Call Sign						4	Disconnect socket	٧a
	Test		123	4567		Test	_		Show message	ļ

Remote computer settings					
ID address	127 . 0 . 0 . 1				
Port number	1991				
	OK Cancel				

Once selected the window **Remote computer settings** appears.

Type the IP address of the remote computer, and insert the port number. Click OK.

The TSG Data Recorder will connect with this remote computer via socket.

Then go to **Setup**|**Remote GPS data source**|**Initialize socket** to create, and to initiate the socket for connecting to server.

TSC S	EAS T	SG Dat	a Recorder				
File	View	Setup	Tools Help	Info			_
		Tran	smission queue	e direc	tory		1
	-Serial	Rea	ding calibration	coeff	icients	۲	e Parity Stop bite
		Rem	ote GPS data s	ource		×	Computer settings
	<u>№</u> 0	Rem	ote command s	;ettinç	js		Initialize socket
L r	Ship in	formatio	n				Connect socket
	Ship N	lame	IMO Number	r c	Iall Sign		✓ Disconnect socket Var
	Test		1234567	- [Test		Show message

Then connect the socket using the command **Setup**|**Remote GPS data source**|**Connect socket**.

Se S	EAS T	SG Dat	a Recorder						
File	View	Setup	Tools Help	Info					
		Transmission queue directory							
	Serial Reading calibration coefficients								
		Rem	ote GPS data s	ource	Þ	Computer settings			
	<u>⊡</u> 0	Rem	ote command s	ettings		Initialize socket			
	Ship in	formatio	n			🗸 Connect socket 😽			
	Ship N	lame	IMO Number	Call Sign		Disconnect socket			
	Test		1234567	Test		Show message			

To verify the socket input use the command **Setup**|**Remote GPS data source**|**Show message**.

TSC S	EAS T	'SG Dat	a Reco	order			
File	View	Setup	Tools	Help 1	Info		
		Tran	smissior	n queue (directory		
	-Serial	Rea	ding cali	bration c	oefficients	۲	e Parity Stop bite
		Rem	ote GPS	i data so	urce	Þ	Computer settings
	N D	Rem	ote com	imand se	ttings		Initialize socket
l 1	-Ship in	formatio	n ——			Connect socket :h	
	Ship N	lame	IMO	Number	Call Sign		✓ Disconnect socket Na
	Test		123	4567	Test		Show message

Once selected the window **Remote computer message** appears.



NOAA/AOML

Use the command **Setup**|**Remote command settings** to set the destination email address, which eventually get a diagnostic text message.

🚟 SEAS TSG Data Recorder							
File	View	Setup	Tools	Help	Info		
	Transmission queue directory						
	-Serial	Rea	ding cali	bration	coefficients	•	
		Remote GPS data source 🔹 🕨					
	Remote command settings						
	- L - L - L	c					

Once selected the window **Remote command settings** appears.

Remote comma	and settings			\mathbf{X}
COM	ication port Bits per second Data bits 19200 8	Parity	Stop bits	Flow control
Destination ema	ail address caridad.i.gonzalez@noaa.gov		ОК	Cancel

Type the destination email address. Click **OK**.

Setting up SEAS PC-Watchdog

The SEAS PC-Watchdog is the ultimate application to monitor the proper operation of the AMVERSEAS components. It is designed to keep AMVERSEAS applications running continuously.

Standard Operating Procedures for PWRON After PWR-Fail

To set the computer to automatically start itself up when the power is restored the BIOS **Power Management Setup** has to be properly configured. The **PWRON After PWR-Fail** option has to be set **ON**.

Manual Setup

When the computer is restarting press the **Delete** key to access the BIOS set up.



The CMOS Main menu appears.

CHOS Setup Utility - Copyright	(C) 1984-2007 Award Software
 Standard CHOS Features Advanced BIOS Features Integrated Peripherals Power Management Setup PnP/PCI Configurations PC Health Status HB Intelligent Tweaker(M.I.T.) 	Load Fail-Safe Defaults Load Optimized Defaults Set Supervisor Password Set User Password Save & Exit Setup Exit Without Saving
Esc : Quit 14++: Select F0 : Q-Flash F10 : Save A Hiscellaneous BJ	Item F11 : Save CMOS to BIOS Exit Setup F12 : Load CMOS from BIOS OS Features

Step 1: Select "Power Management Setup" then hit Enter.

Phoenix	- AwardB10S CMUS Set ower Management Setu	up Utility p
ACPI Suspend Type Soft-Off by PBIN HOL(PNEH) From Soft-Off HOR(RIH) From Soft-Off USB Resume from S3/S4 Power-On by Alarm Day of Month Alarm Time (hh:mm:ss) Blarm POWER ON Function KB Power ON Password Hot Key Power ON PWRON After PWR-Fail	(S1(POS)) [Instant-Off] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] [Cisabled] [Cisabled] [Chot KEY] [Enter] [Ctrl-F1] [On]	Mer

Step 2: Select "PWRON After PWR-Fail", and then turn it "ON".

Step 3: Hit **Escape** key until back at the **CMOS Main menu** and select "**Save and Exit Setup**" then hit **Enter**. System will reboot maintaining selected settings.

External PC Serial Watchdog

The External PC Serial Watchdog is an external device that is used to monitor a PC in order to ensure maximum system availability. It can monitor the PC's activity to determine if it has locked up. Dipswitches on the board can be set to monitor specific activity. If the External PC Serial Watchdog does not detect activity for the specified period of time, it reboots the machine. The device has a serial port that was used for enhanced watchdog control and monitoring.

Dip Switch Setting

All the switches are read at power up and after each time that the External PC Serial Watchdog resets the PC. A switch that is **DOWN** is **ON** and a switch that is **UP** is **OFF**.

The device uses the first three dipswitches to configure its operation. To SEAS they are configured in order to require that the PC send commands to the External PC Serial Watchdog to make it reset the timeout counter. The last three dip switches set the delay time until the External PC Serial Watchdog resets the PC, to SEAS the delay time is 10 minutes (ON-OFF-OFF).



User Interface Setup

You must fill out the data in the main screen. To makes active the new application configuration, and saves any configuration you have to press the button "**Save**".

SEAS PC-Watchdog	×
<u>F</u> ile View <u>H</u> elp	
COM Port On COM COM3 Shutdown C Hardware	Monitoring Status
Software	🔽 SEAS Console
Reboot Countdown	🔽 SEAS Transceiver Interface
10 iminute(s)	🔽 TSG Data Recorder
10:00 Cancel	🔽 XBT Data Recorder
	Save
	NUM May 28, 2013 19:31:50

Setting up Met Observations Logger

Before you can transmit you have to setup the transmission method using the command **Main menu|Setup|Transmission method...** Once this option was selected the Transmission method dialog appears.

🗊 SEAS Met Observations Logger					
File View	Setup	Observation	Utilities		
	Tran	smission metho	od		
	E-ma	ail settings	ĺ.		
Weather	Meta	a data			

Transmission method 🛛 🔀
Drive
Method
NOAA MAILER SERVICE (BINARY)
Mainly used by NOAA research vessels. If you have the NOAA mailer service set up, this will save your message in a binary format (8-bits) and send the message to a 'queue' folder for transmitting via email.
OK Cancel

The table below summarizes the possible transmission methods.

Transmission method	Description
INMARSAT C CODE 41 (ASCII)	This will save the meteorological message as met.txt in a designated drive/folder for transmitting via code 41 using INMARSAT C terminal.
INMARSAT C SPECIAL ACCESS CODE (SAC) SEAS (BINARY)	This will save the meteorological message as met.bin in a designated drive/folder for transmitting via SPECIAL ACCESS CODE (SAC) SEAS using your INMARSAT C terminal.
NOAA MAILER SERVICE (BINARY)	Mainly used by NOAA research vessels. This will save the meteorological message in a binary format (8-bits) and send the message to a 'queue' folder for transmitting via email.
EMAIL (ASCII)	This will save the meteorological message in ASCII format (txt) and automatically insert your message into the body of an email, using the default email client.

Selecting **Main menu**|**Setup**|**E-mail settings...** the user can manage the detailed e-mail settings.



The E-mail settings dialog appears. Just insert **From**, **To**, and **Subject** information.

E	-mail setti	ings	×
	From: To:	caridad.i.gonzalez@noaa.gov shipobs@noaa.gov	
	Subject:	Observation 3ERL4	
		OK Cancel	

Even though you will not be transmitting the administrative message with ship's information, you must fill out the data in the **Meta data** dialog before the software will allow you to proceed. Go to **Main menu**|**Setup**|**Meta data...** and proceed to fill out as much information as possible with the ship's particulars and click **OK**. Remember red-labeled fields are mandatory.



Aner	nometer		Sea	surface temperature			Wave
Ship details	Obse	rving	Administration	n Barometer	Bar	ograph	Thermometer
Ship name*	M/V Deep C	ygnus		Company name	Ocean-Dri	ve	
Call sign*	3ELR4			Ship flag	Panama		•
IMO number	9479541			Country wich has recruited the ship	Not assign	ed	<u>_</u>
Vessel type	Container sh	nips, includi	ng open and close	d container ships and	refrigerated	container sh	nips 💌
Length		122	meters	Maximum height of a above maximum SLI	deck cargo L	16.32	
Breadth		22	meters	Departure of refere	nce level	-8.14	meters
Freeboard			meters	Maximum speed*		11.90	
Draught belov	v SLL	6.1	meters	Gross tonnage		9423	tons
Bridge to bow	distance		meters	Year built		2009	
Note: After fil information, p	ling out the s lease genera	hip's META ate a report	DATA information, : and e-mail it to ye	or after changing an our servicing PMO.	У	T vosci	im participant?
*Mandatory	-			-			

Setting up AutoIMET Data Logger

Manage the data source settings using the command **Setup**|**Data** source.

🍓 SEAS AutoIMET Data Logger - Data source: Socket; Transmission: Using transmission queue					
File View	Setup RCS socket Tools Help Info				
Status	Data source				
Error: GF	Message format settings				
Ship inform	Meta data Archive and transmission	IMO number 1234567			
Ship name	Transmission queue directory	Call Sign			

Once selected the windows **Data source** appears.

6	Data source	X	
	Serial port (RS232)	COM Bits per second Data bits Parity Stop bits Flow control COM1 ▼ 9600 ▼ 8 ▼ None 1 ▼ None ▼	
	C Socket	IP address Port number	
		OK Cancel]

The user can select to connect SEAS AutoIMET Data Logger software to the Remote Computer System using socket or serial port to retrieve a comma delimited data stream containing the measured weather parameters.

If the selection is **Serial port (RS232)** set up the serial port communication. Click **OK**. The SEAS AutoIMET Data Logger will be fed through the serial port.

If the selection is **Socket** type the IP address of the computer where the Remote Computer System is running, and insert the port number designated for your particular ship; each ship will have its own unique port number, it may be the same but it will probably be different. Click **OK**. The SEAS AutoIMET Data Logger will connect with this remote computer via socket.

You can setup the Remote Computer System message format using the command **Setup**|**Message format settings...**

😭 SEAS AutoIMET Data Logger - Data source: Socket; Transmission: Using transmission queue					
File View S	etup RCS socket Tools Help Info				
Status	Data source				
Error: GF	Message format settings				
Ship inform	Meta data				
Company	Archive and transmission	IMO number 1234567			
Ship name	Transmission queue directory	Call Sign			

Once selected the window **RCS Message format** appears and the user can establish the value sequence in the incoming Remote Computer System's message. Also the user can set the possible delimiters.

R	CS Message format			
	Value	Index	Value	Index
	Date	1	Relative humidity	8
	Time	2	Air temperature	9
	Latitude	3	Wet bulb	14
	Longitude	4	Dew point	13
	Speed over ground	5	Sea temperature	10
	Course over ground	6	True wind speed	11
	Barometric pressure	7	True wind direction	12
	Delimiter	,i		
	OK		Cancel	

Manage the archive and transmission's settings using the command Setup|Archive and transmission.

6	🔞 SEAS AutoIMET Data Logger - Data source: Socket; Transmission: Using transmission queue					
F	File View	Setup	RCS socket Tools Help Info			
	Status Error: GF	C N)ata source Aessage format settings			
	, Ship inforn Company	A	Aeta data Archive and transmission	- IMO number	1234567	
	Ship name	Т	ransmission queue directory	- Call Sign	TESA	

Once selected the window **Archive and transmission setup** appears, fill out the information and click **OK**.

Archive and transmission setup					
Archive/Transmission					
🔽 Archive d	bservations data?				
✓ Transmit observations data?					
Frequency	1 hour	•			
	Synoptic hours (6 hours) 3 hours 2 hours				
1 hour					
	30 minutes 15 minutes				

- Archive observation data?: Determines either the user want to archive the acquired data or not.
- **Transmit observation data?:** Determines either the user want to transmit the acquired data or not.
- **Transmission frequency:** Determines the transmission schedule.

Synoptic hours (6 hours): Observations taken at 6-hourly interval, at 00:00, 06:00, 12:00, 18:00 UTC. These are also known as the main synoptic times.

3 hours: Observations taken at 3-hourly interval, at 00:00, 03:00, 06:00, 09:00, 12:00, 15:00, 18:00, 21:00 UTC.

2 hours: Observations taken at 2-hourly interval, at 00:00, 02:00, 04:00, 06:00, 08:00, 10:00, 12:00, 14:00, 16:00, 18:00, 20:00, 22:00 UTC.

1 hour: Observations taken at 1-hourly interval at the top of the hour.

30 minutes: Observations every 30 minutes. So at 0 minutes and 30 minutes passed the top of the hour.

15 minutes: Observations taken at 0 minutes, 15 minutes, 30 minutes, 45 minutes passed the top of the hour.

To setup the transmission queue path use the command **Setup**|**Transmission queue directory**.



Use this command to select the transmission queue directory, where SEAS AutoIMET Data Logger will post the files ready to transmit. A **Browse for Folder** dialog appears that allows the user to select a folder.

When this dialog box comes up, it displays the **Desktop** folder as the parent and all the other folders can be located from it. To use it, the user can click one of the folders or drives and click **OK**. If the desired folder is not seen but is available, the user can expand the existing folders and drives, click the desired folder, and click **OK**. If the necessary folder is not available at all, the user should first create the desired folder outside the application.



The SEAS AutoIMET Data Logger will connect with this remote computer via socket after using the command **RCS**|**Connect socket**. *Troubleshot: If it doesn't work try restarting the application*.

ſ	ig SEAS AutoIMET Data Logger - Data source: Socket; Transmission: Using transmission queue					
l	File View Setup	RCS socket Tools Help Info				
	Status	Connect socket				
	Error: GPS date in	✓ Disconnect socket				

Installing, setting up and starting the Mailer Service (it also applies for Windows 7)

(Once installed this service will restart automatically on reboot)

This Mailer Service is an SMTP service that can configure an Internet connection via Iridium modem or LAN connection.

Installing SMTP mailer service

Open a MS-DOS command prompt. Go to Windows *start* menu (located at the very lower-left corner of your computer's desktop) then move your mouse to the right column of commands and select **Run...** as shown.

Then if you are using Windows XP or Windows 7, type **cmd** into the Run dialog box and click **OK**.

Run	? 🗙
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	Emd 🖌
	OK Cancel Browse

This will get you the command prompt.





Insure that the Mailer.exe is found in the directory where you have installed AMVERSEAS.

Select C:\WINDOWS\system32\cmd.exe	- 🗆 🗙
Volume in drive C is OS Volume Serial Number is 9ADD-FFB5	
Directory of C:\Program Files\AMVERSEAS_U9	
06/28/2013 07:15 PM (DIR) .	
06/28/2013 07:15 FM 2,002,432 AmverReporter.exe 06/28/2013 06:13 PM 2,002,432 AmverReporter.exe 06/28/2013 06:12 PM 37 888 AmverSeasInstallayD11 d11	
06/28/2013 07:15 PM 2,159 AmverSeasInstallerDll.InstallState 06/28/2013 06:13 PM 939.520 AutoImetDataLogger.exe	
06/28/2013 07:15 PM <dir> Bin 06/28/2013 07:15 PM <dir> DataBases</dir></dir>	
06/28/2013 07:15 PM <dir> Help 06/28/2013 07:15 PM <dir> Html</dir></dir>	
06/28/2013 07:15 PM <dir> LicenseAgreement 06/20/2013 02:10 PM 233,472 Mailer.exe</dir>	
06/28/2013 06:12 PM 4,860,416 MetObservationsLogger.exe 389.120 PcWatchdog.exe	
04/14/2008 12:00 PM 23,040 PSAPI.DLL 04/14/2008 12:00 PM 237,056 RASAPI32.dll	
05/09/2013 02:15 PM 3,131 README.TXT 06/28/2013 07:15 PM <dir> Rpt 06/28/2013 06:11 DM 018 074 226 Second and</dir>	
02/07/2013 06:17 PM 766 SeasConsole.exe 02/07/2008 11:41 PM 766 SeasConsole.ico 06/28/2013 06:18 PM 845.312 SeasTransceiuerInterface.exe	
02/20/2013 05:47 PM 845,312 System.Data.SQLite.dll 06/28/2013 06:12 PM 975,360 TsgDataRecorder.exe	
16 File(s) 14,872,030 bytes 8 Dir(s) 164,467,671,040 bytes free	
C:\Program Files\AMVERSEAS_U9>_	-

Run the installation using following commands.

Commands

- To transmit using Iridium modem type Mailer.exe -i
- To transmit using computer Internet connection type Mailer.exe -i -lan

C:\WINDOWS\system32\cmd.exe	- 🗆 🗙
C:\Program Files\AMVERSEAS_V9>Mailer.exe -i -lan	
	-

Then hit **Enter** to execute this command. 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\Mailer.exe. If not run Mailer.exe -u to uninstall and then reinstall by retyping the command Mailer.exe -i or the Mailer.exe -i -lan as specified above.

Setup SMTP mailer service to run automatically

Launch the Control panel. Go to Windows *start* menu (located at the very lower-left corner of your computer's desktop) then move your mouse to the right column of commands and select **Control Panel** as shown above. At the Control Panel window select **Administrative Tools**.



🖻 Control Panel		
<u> E</u> ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help	A
🕝 Back + 🕥 + 🏂 🔎 S	earch 😥 Folders 🛄 🕶	
Address 📴 Control Panel		💌 🄁 Go
-	Name 🔺	Comments
Control Panel 🛞	Accessibility Options Add Hardware Add or Remove Programs Administrative Tools Outcomatic Lindates	Adjust your computer settings for vision, hearing, and mobility. Installs and troubleshoots hardware Install or remove programs and Windows components. Configure administrative settings for your computer.
See Also	CinePlayer DVD Decoder Options	Changes settings for your CinePlayer DVD decoders
 Windows Update Help and Support 	Date and Time Dell ControlPoint Display Folder Options	Set the date, time, and time zone for your computer. Launch Dell ControlPoint Change the appearance of your desktop, such as the background, s Customize the display of files and folders, change file associations, a

At the screen Administrative Tools select Services.

🔊 Administrative Tools					
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> oo	ls <u>H</u> elp				- 1 1
🌀 Back 👻 🕥 – 🏂 🔎	Search 😥 Folders				
Address 🍓 Administrative Tools					💌 🛃 Go
	🔨 Name 🔺	Size	Туре	Date Modified	
File and Folder Tasks \land	Component Services	2 KB	Shortcut	4/25/2008 9:27 PM	
The Designer a Main City	📕 Computer Management	2 KB	Shortcut	4/25/2008 9:29 PM	
Rename this file	Data Sources (ODBC)	2 KB	Shortcut	4/25/2008 9:29 PM	
Move this file	📕 Event Viewer	2 KB	Shortcut	4/25/2008 9:29 PM	
Copy this file	Local Security Policy	2 KB	Shortcut	4/25/2008 9:29 PM	
🔗 E-mail this file	Microsoft .NET Framework 1	2 KB	Shortcut	4/25/2008 9:34 PM	
X Delete this file	Microsoft .NET Framework 1	2 KB	Shortcut	4/25/2008 9:34 PM	
	M Performance	2 KB	Shortcut	4/25/2008 9:29 PM	
	Services	2 KB	Shortcut	9/30/2009 3:59 PM	
Other Places 🙁					
Control Panel					
My Documents	~				

The Services window appears.

Services							
<u>File Action View</u>	Help						
← → 💽 🚰 🔄) 🗟 😰 🖬 🕨 💷 🗉 🖦						
🏶 Services (Local)	🐞 Services (Local)						
	NOAA SEAS Mailer	Name 🗡	Description	Status	Startup Type	Log On As	^
	Start the service	Network Location Awareness (NLA)	Collects an Manages X	Started	Manual Manual	Local System Local System	
		NOAA SEAS Mailer			Manual	Local System	-
		NT LM Security Support Provider	Provides s		Manual	Local System	
		NTRU TSS v1.2.1.29 TCS	TCS servic		Automatic	Network S	~
	\Extended Standard /						
				117			

Be sure that only one NOAA SEAS Mailer Service is up.

You should not see any other service named NOAA SEAS Mailer or NOAA SEAS Iridium Mailer.

Double click the service **NOAA SEAS Mailer**. The **NOAA SEAS Mailer Properties** dialog box appears.

NOAA SEAS Mailer Properties (Local Computer)
General Log On Recovery Dependencies
Service name: NDAA SEAS Mailer
Display <u>n</u> ame: NOAA SEAS Mailer
Description:
Pat <u>h</u> to executable: c:\Program Files\AMVERSEAS\Iridium\bin\Mailer.exe
Startup typ <u>e</u> : Manual
Service status: Stopped Start Stop Pause Resume
You can specify the start parameters that apply when you start the service from here.
Start parameters:
OK Cancel Apply

Change the **Startup type** to **Automatic**.

Starting SMTP mailer service

Click **Start** button. The Service will now monitor the directory **C:\Program Files\AMVERSEAS\Iridium\queue** once per minute and send any deliverable files through e-mail.

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 to stop this service double click on service to **Stop**. This will need to be done if the **AMVERSEAS** folder is moved or renamed. Please restart service when ready.

Uninstalling previous Iridium Mailer Service

If a previous version of the Mailer Service is on the computer, it must be uninstalled.

Open a DOS window pressing the Windows Start button to bring up the start menu and select **Run**.

The **Run** dialog box appears.

Run	? 🔀
1	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	Emd 💌
	OK Cancel Browse



Type **cmd** and click **OK**. This will get you to a command prompt.

The command to be typed into the DOS window is:

Mailer.exe –u

in the installation file (e.g. C:\Program Files\AMVERSEAS_V9)



Insure that there is no NOAA SEAS Mailer service on the computer.

Press the Windows Start button to bring up the start menu and select Control Panel

At the Control Panel window select Administrative Tools.



At the screen Administrative Tools select Services.

😼 Administrative Tools					
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help				
🕒 Back 👻 🕥 - 🏂 🔎 Se	earch 😥 Folders 🛄 🗸				
Address 🍓 Administrative Tools					🔽 🔁 Go
^	Name 🔺	Size	Туре	Date Modified	
File and Folder Tasks 🙁	Somponent Services	2 KB	Shortcut	4/25/2008 9:27 PM	
Departe this file	📕 Computer Management	2 KB	Shortcut	4/25/2008 9:29 PM	
Rename this nie	🔂 Data Sources (ODBC)	2 KB	Shortcut	4/25/2008 9:29 PM	
Move this file	📕 Event Viewer	2 KB	Shortcut	4/25/2008 9:29 PM	
Copy this file	Local Security Policy	2 KB	Shortcut	4/25/2008 9:29 PM	
🔗 E-mail this file	Microsoft .NET Framework 1	2 KB	Shortcut	4/25/2008 9:34 PM	
X Delete this file	Microsoft .NET Framework 1	2 KB	Shortcut	4/25/2008 9:34 PM	
	Reformance	2 KB	Shortcut	4/25/2008 9:29 PM	
	Services	2 KB	Shortcut	9/30/2009 3:59 PM	
Other Places 🙁					
Control Panel					
A My Documents					
w My Documencs					

The **Service** window appears.



You should not see any service named NOAA SEAS Mailer.

If the NOAA Iridium Mailer service is still there it means that you did not uninstall the version of Iridium.exe that goes with the NOAA mailer service that you have. Double-Click the service NOAA Iridium Mailer and look at the **Path to executable**. Go to that path with you DOS window and again do **Iridium.exe -u**.

Make sure to refresh Services window to account for changes. The previous Iridium mailer must be removed.

Customizing Installations

After you have installed the AMVERSEAS applications, it is wise to perform a simple startup test to validate that there are no major problems. You can also customize your installation by setup the components, performance hardware test and downloading some software that can help you on the debug process. We recommend following test, and software:

- Check applications' setup of:
 - 1. SEAS Console
 - 2. SEAS Transceiver Interface
 - 3. SEAS XBT Data Recorder
 - 4. SEAS TSG Data Recorder
 - 5. SEAS PC-Watchdog if applicable.

- 6. SEAS Met Observations Logger
- 7. SEAS AutoIMET Data Logger
- 8. AMVER
- Test Iridium transmission -if applicable.
- Load any software relevant to cruise.
- Load this and other manuals relevant to cruise.