7/3/2012

Trying to fix the Icom radio (via VPN) at COP

Settings:

Name Freq Mode Filter TS TSQLFreq DTCS DTCSPolarity

AIS 1 161.975 FM 15K 15K 88.5 023 Normal

AIS 2 162.025 FM 15K 15K 88.5 023 Normal

Note: TSQL means tone squelch and DTCS means digital tone squelch

These are not normally turned on for the AIS signal.

To turn up or down the AF Gain use: up or down arrows

To turn up or down the Squelch use: shift+up or shift+down

12/6/2012

Needed to physically reboot the computer at Coal Oil Point.

Once rebooted, needed to manually restart ship plotter.’

Where are the log files on Coal Oil Point Computer:

Program Files/COAA/ShipPlotter/log files

Where are the log files on the SCI computer:

C:\Documents and Settings\ais\My Documents\AIS-logs

5/17/2013

when starting Santa Cruz Island AIS after reboot

1. start radio
2. start shipplotter

under options selection realtec audio input

click green start button

5/21/2013

AT COP the AIS RADIO RECEIVER IS

For AIS, we've been using the Smart Radio SR161 units purchased through

Miltech Marine.  Single RF channel that toggles between the A/B message

traffic, and outputs the AIS messages via RS-232 directly.

<http://www.milltechmarine.com/Smart-Radio-SR161-AIS-Receiver_p_167.html>

This is John Hurwitz with the Scripps Whale Acoustics Lab. Here is the information for setting up ShipPlotter with the new AIS receiver.

Open ShipPlotter

Select the Options Drop Down Menu at the top of the ShipPlotter window.

From the Options Drop Down Menu select I/O Settings.

An Input/Output window should open. The top middle part of the window is the Serial Input Box. From here check the box for NMEA 1, input the PORT number that corresponds with the AIS receiver COM PORT, and the rate stays the same. Please read below for how to figure out which PORT number to use for Ship Plotter.

The COM PORT can be found in Device Manager. In Windows XP to open Device Manager, click Start, and then click Control Panel. Click Performance and Maintenance, and then click System. On the Hardware tab, click Device Manager. In Device Manager, look for the bullet: Ports (COM & LPT). Double Click Ports and it should show all the ports currently used on the computer. There should only be 1 PORT in use. This is the COM PORT number to input into ship plotter serial input for NMEA 1.

Once you are finished click OK at the bottom right of the Input/Output window.

Once the Input/Output window disappears, click on the Process Drop Down menu and select start to begin processing AIS data. Select the messages or ship view tab from the task bar running below the drop down menus to see incoming ais data from ShipPlotter

Please email me, [jhurwitz@ucsd.edu](mailto:jhurwitz@ucsd.edu), if you have any questions.

9-17-13

synchlog script file on SCI computer

@ECHO OFF

SETLOCAL

REM The remote user

set USER=aisadmin

REM The remote host

set HOST=cetus.ucsd.edu

REM The target directory on the remote machine

set TARGETDIR=/home/aisadmin/AISdata\_logfiles/SCI

REM The source directory (note that you should use POSIX paths)

set SOURCE=c/Documents and Settings/ais/My Documents/AIS-logs/

REM \*\*\* Don’t adjust these \*\*\*

SET CWRSYNCHHOME=%~dp0

SET CYGWIN=nontsec

SET HOME=%HOMEDRIVE%%HOMEPATH%

SET CWOLDPATH=%PATH%

SET PATH=%CWRSYNCHOME%\BIN;%PATH%

rsync –ae “ssh –i keys\id\_rsa” “/cygdrive/%SOURCE%” %USER%@%HOST%:%TARGETDIR%

10-28-13

Found that time of SCI computer was about 20 sec slow. Software for synch is SymmTime

Open Symmeticom clock by right clicking

Selected sync servers from the menu

Added:

time.apple.com = 17.151.16.20 as a time server

Set sync options

Periodically every 60 minutes

3-5-14

password for COP does not appear to be known – Bruce will visit next month to fix

1-27-15

COP

SWAL

hifreq

173.151.129.22

SCI

128.111.242.152

HARP

aissci

Had to update the magnetic file for shipplotter

WMM.COF

8-1-2015

SCI

128.111.68.17:5900

harp

aissci

11-16-2015 at 17:20 GMT

I found that the SCI AIS clock was about 1 minute behind, even tho it

Was supposed to be set by internet time (time.symmetriccom.com).

I changed the server to be closk.isc.org and the time now seems correct.

8-15-2016

Ed and John,

the AIS computer at COP is running remote desktop (RDP) and now that the computer is on the campus network (128.111.68.122), campus considers it a security issue. For this reason I've disabled forwarding for the RDP port on our router. You should still be able to connect to the computer using VNC, which I just verified, and get the data in all the other usual ways. Let us know if this causes any problems.

Regards,

Brian

I was able to VNC from my desktop mac, but not the older (tag) mac

JAH

8/17/16

Using <https://www.pretentiousname.com/timesync/> we set the clock on COP to be synchronized with internet time every five minutes. At 12:22:00 we moved the clock ahaead an hour (1:22: am) and watch the computer successfully correct the clock.

Now COP clock should have good time.