

Instructions for Checking ADCP Data Collection

**** BELOW is how to fill out the top of the log sheets

Cruise Name:

Standard is xxyymm where

xx is ship name (nh=New Horizon, dj = David Jordan)

yy is year, mm is month

Cruise Dates:

Fill in approximate start and end days of the cruise

**** BELOW is how to fill out the log sheet table

Date (leader/LDR panel):

In the leader panel of the VmDas window (click icon near top that says "LDR"), record the GMT Date. Make sure it is updating.

Time (leader/LDR panel):

In the leader panel (VmDas window, click icon near top that says "LDR"), record the GMT Time. Make sure it is updating.

Gyro Heading (leader/LDR panel):

Fill in the Heading from the leader panel (VmDas window, click icon near top that says "LDR"). Make sure it is updating.

Latitude (navigation/NAV panel):

In the navigation panel (VmDas window, click icon near top that says "NAV"), record the latitude. Make sure it is updating.

Longitude (navigation/NAV panel):

In the navigation panel (VmDas window, click icon near top that says "NAV"), record the longitude. Make sure it is updating.

Ashtech logging (ASHCHECK window):

Ashtech time: day of week and time, please log the time.

Is it updating? Does it match (within about 5 mins) the computer time?

Ashtech heading: is it updating? is it within a few degrees of gyro?

Is the window green? If the window turns red or the numbers stop updating, you need to reset the Ashtech.

IMPORTANT: Another way to check if Ashtech is working is to look at the MET computer/monitor. There is a about in the center of the screen that shows the Ashtech heading value. I have seen the value report "INOP" when Ashtech is not working. I

can not guarantee that this is a foolproof method of checking Ashtech. but it is worth keeping an eye on.

Data File (autoadcp):

Fill in the 3 numbers after CalCOFI in the title of the VMDAS window. The file name should change about every 2 hours.

Switch Box Lights Blinking:

In the computer room, check that the Ashtech antenna box lights are blinking green most of the time and red every 5th or so time. If they are not blinking green, are blinking red all the time, or not blinking at all, Ashtech needs to be checked.