Katherine-

**GPS tracklines** are found in the folder named GPS-Science MX420. Within that folder, there are multiple messages. The original data, the degree, minute, and decimal minutes are the files starting with SciGPS-GPGGA. The SciGPS-Derived-DD-Lon-DRV is our longitude location in decimal degrees, and the decimal degrees latitude is SciGPS-Derived-DD-Lat-DRV. The SciGPS-GPVTG-CogSog-Message is the course over ground and speed over ground.

The data on where we **stopped and started stations** is in the EVENTDATA →CalCOFI Spring 2013 Side Station→ Snapshot\_001, 002, 003 etc. This data can be filtered by order occ number. Once we started a station, the order occ number was changed, and we left station after the last button was pressed. FYI there might be a few instances where that last button (often the “Bongo recovered”) wasn’t pressed right away. Just make sure to check that the time between the Bongo deployed and the Bongo recovered button isn’t longer than 30 mins. All the accompanying data should be self-explanatory, with the data field titles listed as the first string. FYI the true water temperature that you want to use is labeled “TSG21-SBE38-SeaSurfaceTemp-C.” Don’t use the “TSG21-InternalTemp-C for your purposes.”

If you by chance want some **continuous data throughout our entire cruise** (updated every 30 seconds), look in EVENTDATA → CalCOFI 2013 Continuous →Continuous 30 Sec\_001 ELG file is what you want.

Amanda-

All of your **sonobouy and hydrophone deployments** were recorded in the SCS folder EVENTDATA → CalCOFI 2013 Continuous→Snapshot\_001, 002 etc. A period of the data was accidentally placed in CalCOFI 2013 Continuous→Snapshot­\_001, from 04/13/2013,14:09:14 (GMT) to 04/22/2013,18:43:30 (GMT). The **continuous data throughout our entire cruise** (updated every 30 seconds), is stored in EVENTDATA → CalCOFI Spring 2013 Continuous →Continuous 30 Sec\_001 ELG. The time period listed above for the snapshot data also applies to the continuous data, which is found in EVENTDATA → CalCOFI 2013 Continuous →Continuous 30 Sec\_001 ELG

Marguerite-

As written above, the **continuous data throughout our entire cruise** (updated every 30 seconds), is stored in EVENTDATA → CalCOFI Spring 2013 Continuous →Continuous 30 Sec\_001 ELG, and EVENTDATA → CalCOFI 2013 Continuous →Continuous 30 Sec\_001 ELG. (After an SCS shutdown, the wrong event was accidentally started, which is why there are two folders with that data.) This will include your water temp, fluorometer, etc.

Previously all the **geo-time TSG data**, was in SCS→Seawater System - TSG & SeaTemp True with the headers of TSG-SBE21-SeaSurfTempSalinitySoundVelocMessage. The data string is date, time, count, internal temp (DO NOT USE FOR REAL SEA WATER TEMP), conductivity, salinity, SBE-38 temp (USE FOR TRUE SEA WATER TEMP), sound velocity, lat, long. This data is still good, until our SBE21 shut down. The record for the SBE-45 is complete for the entire cruise, which provides the same data, just not alongside the gps info.

The constant fluorometer data is in SCS→Seawater System-Fluorometer. The message shows the ship date, time, data cout, fluorometer date, fluorometer time, raw count, and fluorometer temperature.

NOTE- make sure you look at the TSG pump on/off record to verify that the data you are looking at was collected when the water was fresh.