

CTDCastLogandInfo416.xls

con file	CTD #	approx max depth	notes	external instrument changes/notes
a	1	1800	cast for sed trap water, 2 bottles bottoms didn't close	w/ Alt=V2, empty PAR=V3 Fluor=V7
b	2	250	all good	w/ Fluor=V3 Alt=V6 PAR=V7
hpss	3	2001	HPSS cast. Trip HPBottles then wait for 10min before ascending. Temps did not track each other as closely as the rest of cast during upcast ~1500 to 600m. Fluor did odd trace on upcast, voltage seems high. FGP1 decreased voltage on upcast while FGP2 stayed almost the same.	w/ FGP0&1=V6&7
c	4	250	w/PAR. 200m incubation water for particles, 22m water for MQZ vs GFF filter experiment	w/PAR=V6
d	5	2201	fluor spiky ~1600m+ downcast	
d	6	1278	am Gerald, fluor spiky ~1600m+ downcast	
d	7	900	no PAR	
hpss	8	2000	HPSS cast. Trip HPBottles then wait for 10min before ascending. Carousel positions 10, 12 21-24 not fired purposefully.	w/ FGP0&1=V6&7
d	9	1200	pm Gerald. V large wire angle aft. Winds increasing to 45kts during cast	
d	10	1200	am Gerald, winds back down to ~12kts ~70degT	
d	11	1200	pm Gerald	
hpss	12	2002	HPSS cast. Trip HPBottles then wait for 10min before ascending. V large wire angle	w/ FGP0&1=V6&7
d	13	1200	am Gerald, Niskin 23 bottom cap didn't close - no sample	
c	14	900	w/PAR=V6, all good	w/PAR=V6
d	15	1200	pm Gerald	
d	16	1200	am Gerald	
hpss	17	2000	HPSS cast. Trip HPBottles then wait for 10min before ascending. FGP P0 = V6 went to ~0.2 at ~1000m downcast then to 1.8 when tripped at 2000m. V6 decreased during upcast - leak in system for FGP Pressure 0. FGP P1 = V7. Fluorometer has high voltage values during downcast ~1600m+ then also on upcast. Niskin bottle GOEX109 bottom cap broke before cast, replaced w/OTE112	w/ FGP0&1=V6&7
hpss	18	2401	HPSS cast. Trip HPBottles then wait for 10min before ascending. FGP P0 = V6 went from 0 to ~0.77 at ~1300m to 2400m downcast then to 2.2 when tripped at 2400m. V6 decreased during upcast - leak in system for FGP Pressure 0. FGP P1 = V7. Fluorometer has high voltage values during downcast ~1600m+ then also on upcast to ~800m. Tripped carousel positions 9-13 two times because FGP1 didn't change when bottle should have tripped. Stopped acquisition at 500m bottle stop. The maximum of 24 positions had been tripped with still 5 bottles to trip. Those remaining 5 were tripped during CTD019.	w/ FGP0&1=V6&7
hpss	19	500	HPSS cast. This cast started at 500m after ending CTD018 at 500m bottle-tripping stop during the upcast. The maximum of 24 bottle positions were fired during CTD018 to double check that High Pressure bottle tripped. Thus acquisition had to be restarted to trip remaining bottles. Niskin bottle GOEX109 bottom cap broke before CTD017, replaced w/OTE112	w/ FGP0&1=V6&7
d	20	2400	pm Gerald. Bottle 19 didn't trip. Carousel position has internal tension Niskin #GO109 instead of GOEX109 as in casts 1-16.	
a is unique con file (CalA.con) & processing				
b is unique con file (CalB.con) & processing				
c&d are the same con files (CalC.con) & processing, c has PAR installed, d has PAR removed so voltage will show=0.				
hpss is separate con file (CalHPSS.con) & processing				