

July 9th final summary of cruise activities

file:VERTIGO final cruise activities.xls

Julian Day	172, 173	174, 174	174, 175	175, 176	176, 177	177, 178	178, 179	179, 180	180, 181	181, 182	182, 183	183, 184	184, 185	185, 186	186, 187	187, 188	188, 189	189, 190	190, 191	191, 192	192, 193	193, 194
ship plans - June 2004	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul
hours	day 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
0	SS#1 CTD 2-18	SS#1 CTD 2-18	SS#1 CTD 2-18	Trull trap in- 300	Survey CTD #24 & drifters	MOONNESS	MULVFS	NBST 300 out	MOONNESS	CTD # 40-44	CTD # 46-66	CTD # 67-73	Survey CTD #77 & drifters	MOONNESS	MULVFS	SS	CTD #84	MOONNESS	SS		steam to port	
2	SS#1 CTD 2-18	SS#1 CTD 2-18	SS#1 CTD 2-18	Launch Clap 150	Survey CTD #25 & drifters	SS	MULVFS	NBST 300 out	NBST 500 out	CTD # 40-44	CTD # 46-66	CTD # 67-73	Survey CTD #78 & drifters	SS	MULVFS	CTD #89	bio cast-low	MOONNESS	SS		steam to port	
4	SS#1 CTD 2-18	SS#1 CTD 2-18	SS#1 CTD 2-18	recovert 12hr NBST	Launch Clap #26	CTD #26	MULVFS	NBST 500 out	CTD #42	CTD # 46-66	CTD # 67-73	Survey CTD & drifters	1000m CTD #81	SS	MULVFS	CTD #91	Deep plankton tow	MOONNESS	SS		steam to port	
6 depart 0800	SS#1 CTD 2-18	SS#1 CTD 2-18	SS#1 CTD 2-18	Launch Clap 300	Launch-optical trap	CTD #26	MULVFS	NBST 500 out	Launch-optical trap	CTD # 46-66	CTD # 67-73	Survey CTD & drifters	1000m CTD #81	SS	MULVFS	CTD #92	Deep plankton tow	MOONNESS	SS		steam to port	
8	SS#1 CTD 2-18	SS#1 CTD 2-18	SS#1 CTD 2-18	Launch Clap 500	Launch-optical trap	MULVFS	NBST 150 out	Clap 300 out	Trull trap in- 300	CTD # 46-66	CTD # 67-73	Survey CTD & drifters	1000m CTD #81	SS	MULVFS	CTD #93	Deep CTD #90-3000m BarTh	MOONNESS	SS		steam to port	
10	recovert 12hr NBST	plancton net test- Silver/Tanner	Launch NBST 150	MOONNESS	MULVFS	NBST 150 out	CTD # 34-39	MOONNESS	bio cast-low	CTD # 46-66	CTD # 67-73	Survey CTD & drifters	1000m CTD #81	SS	MULVFS	CTD #94	Shallow MULVFS	MOONNESS	SS		steam to port	
12	SS#1 CTD 2-18	MOONNESS test	Launch NBST 300	MOONNESS	MULVFS	NBST 150 out	CTD # 34-39	MOONNESS	CTD # 46-66	CTD # 46-66	CTD # 67-73	Launch 150 Clap & NBST	MOONNESS	MULVFS	CTD #95	Shallow MULVFS	MOONNESS	SS		steam to port		
14	SS#1 CTD 2-18	MULVFS test	Launch NBST 500	Launch respirometer	MULVFS	Clap 150 out	CTD # 34-39	CTD # 40-44	CTD # 46-66	CTD # 46-66	CTD # 67-73	Launch 300 Clap & NBST	bio cast-low	MULVFS	CTD #96	Shallow MULVFS	MOONNESS	SS		steam to port		
16	deploy 12hr NBST test	MULVFS test	Survey CTD #21 & drifters	Go-Flo casts	Deep CTD 29-3000m BarTh	Clap 150 out	CTD # 34-39	CTD # 40-44	CTD # 46-66	CTD # 46-66	CTD # 67-73	Launch 500 Clap & NBST	Go-Flo casts	MULVFS	CTD #97	Shallow MULVFS	MOONNESS	SS		steam to port		
18	SS#1 CTD 2-18	SS#1 CTD 2-18	Survey & drifters	Survey & drifters	Go-Flo casts	Deep CTD 29-3000m BarTh	CTD #30 & 31	CTD # 34-39	CTD # 40-44	CTD # 46-66	CTD # 46-66	CTD # 67-73	Launch 500 Clap & NBST	Go-Flo casts	CTD #82-500m high Res	Clap 150 out	Clap 300 out	Clap 500 out	Optical trap out	Optical trap out	steam to port	
20 deploy 12hr NBST test optical trap test	Launch 1. Siguel drifter	Survey CTD #22 & drifters	Launch C explorer	MULVFS	Launch C explorer	MULVFS	CTD # 34-39	CTD # 40-44	CTD # 46-66	CTD # 46-66	CTD # 67-73	Launch-optical trap	SS	MULVFS	NBST 150 out	NBST 300 out	NBST 500 out	NBST 500 out	Optical trap out	Optical trap out	steam to port	
22 SS#1 CTD 2-18	SS#1 CTD 2-18	Trull trap in- 300	Survey CTD #23 & drifters	MOONNESS	MULVFS	bio cast-low	MOONNESS	CTD # 40-44	CTD # 46-66	CTD # 46-66	CTD # 67-73	Survey CTD #74/76 & drifters	MOONNESS	MULVFS	optical trap out	MOONNESS Dipclean	NBST 600 out	CTD #98			steam to port	

Event type
 SS - Site Survey cast- CTD/Rozetta wiretrns, flu. sensors, option to trip bottles, mostly 0-600m sampling scales- within 20-50km scales & coming in to station and during mid-cruise, large 100km scales for "butterfly" survey
 Launch surface drifters (n=3) over 15x15km grid
 includes CTD at grid points, 1 hr steam, & 1 hr CTD at each point, floats will not be retrieved
 Central 5x5 km grid & launch main in-situ gear
 includes NBST (n=7), Optical sediment trap, C explorer float (Bishop), Droptail Clap traps (n=3), Repirometer array (n=1), Trull trap array
 includes CTD work (and other sampling?) at n=5 grid points
 NBST being used to have flow, 234Th & other trace metals, bottles tripped for sampling, replicate, etc. at 1000m, 2000m, 3000m
 F: Pump cast (day and night pairs) assume 8 hours each
 Deep CTD: BarTh is cast dedicated to particulate flux for Dehairis focus on 100-1500m sampling) with 2-4 bottles tripped at 3000m for 234Th calibration
 CTD: 500m high Res is Trull led CTD w/24 depths across pycnocline to 500m
 Go-Flo casts for trace metals- Lamont
 Pickup gear out of vessel (optional) CTD survey casts at site of pickup
 MOONNESS: 4 hour cast
 210PS LV CTD cast- need to trip 20 bottles to get 10 samples for 210Pb profile. 20 L each