

2009 CORC & CCE Cruise Plan - New Horizon
Version 6

9 Day Cruise between Dec. 9-21 Weather window

NOTES:

for scheduling: Departure Time 08:00; Arrival Time 16:00 --> **16 HOUR TIME LOSS**

Operation	distance (nm)	Time (hrs)		
		8kt	9kt	10kt
Depart Harbor		1.5	1.5	1.5
Transit: CCE to SAN DIEGO	270	33.8	30.0	27.0
Transit: CCE to CORC2	315	39.4	35.0	31.5
Transit: CORC2 to CORC1	355	44.4	39.4	35.5
Transit: CORC1-2 to SAN DIEGO	160	20.0	17.8	16.0
TOTAL Steaming Time		139.0	123.7	111.5
TOTAL Distance	1100 nm			

CTD - Pre-deployment (70m)		2.0		
Drift Test		1.0		
Deploy Mooring CCE1-3		8.0		
Recover Mooring CCE1-2		7.0	33N28.600, 122W32.000	
CTD - Post-recovery (500m)		2.0		
Bathymetry Survey		3		
Drift Test		1		
Deploy Mooring; corc2-2		6		
Recover Mooring; corc2-2		6	29N20.43, 126W15.28	
CTD - Post Recovery (1000m & 3500m)		6		
Deploy PIES; corc_p5		0.5		
Download PIES; corc_p5		0.5	29N20.393, 126W15.911	
Deploy PIES; corc_p4		0.5		
Download PIES; corc_p4		0.5	30N7.0, 124W43	
Deploy PIES; corc_p3		0.5		
Download PIES; corc_p3		0.5	30N47.00, 123W20	
Deploy PIES; corc_p2		0.5		
Download PIES; corc_p2		0.5	31N28, 121W47	
Deploy PIES; corc_p1		0.5		
Download PIES; corc_p1		0.5	32N14, 120W19	
Bathymetry Survey		3		
Drift Test		1		
Deploy Mooring; corc1-2		6		
Recover Mooring; corc1-2		6	32N14.10, 120W19.40	
CTD - Post-Recovery (1000m & 3500m)		6		

Operations Time		69.0 hrs
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Total Time Required		208.0	192.7	180.5 hrs
Ship Days required (Total Time + 16hrs)		9.3	8.7	8.2 Days

2009 CORC & CCE Cruise Plan - New Horizon
Version 5

9 Day Cruise between Dec. 9-21 Weather window

NOTES:

for scheduling: Departure Time 08:00; Arrival Time 16:00 --> **16 HOUR TIME LOSS**

Operation	distance (nm)	Time (hrs)		
		8kt	9kt	10kt
Depart Harbor		1.5	1.5	1.5
Transit: CCE to SAN DIEGO	270	33.8	30.0	27.0
Transit: CCE to CORC2	315	39.4	35.0	31.5
Transit: CORC2 to CORC1	355	44.4	39.4	35.5
Transit: CORC1-2 to SAN DIEGO	160	20.0	17.8	16.0
TOTAL Steaming Time		139.0	123.7	111.5
TOTAL Distance	1100 nm			

CTD - Pre-deployment (70m)		2.0		
Drift Test		1.0		
Deploy Mooring CCE1-3		8.0		
Recover Mooring CCE1-2		7.0	33N28.600, 122W32.000	
CTD - Post-recovery (500m)		2.0		
Bathymetry Survey		3		
Drift Test		1		
Deploy Mooring; corc2-2		6		
Recover Mooring; corc2-2		6	29N20.43, 126W15.28	
CTD - Post Recovery (1000m & 3500m)		6		
Deploy PIES; corc_p5		0.5		
Recover PIES; corc_p5		2.5	29N20.393, 126W15.911	
Deploy PIES; corc_p4		0.5		
Recover PIES; corc_p4		2.5	30N7.0, 124W43	
Deploy PIES; corc_p3		0.5		
Recover PIES; corc_p3		2.5	30N47.00, 123W20	
Deploy PIES; corc_p2		0.5		
Recover PIES; corc_p2		2.5	31N28, 121W47	
Deploy PIES; corc_p1		0.5		
Recover PIES; corc_p1		2.5	32N14, 120W19	
Bathymetry Survey		3		
Drift Test		1		
Deploy Mooring; corc1-2		6		
Recover Mooring; corc1-2		6	32N14.10, 120W19.40	
CTD - Post-Recovery (1000m & 3500m)		6		

Operations Time		77.0 hrs
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Total Time Required		216.0	200.7	188.5 hrs
Ship Days required (Total Time + 16hrs)		9.7	9.0	8.5 Days