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R/V Clifford_A._Barnes 2004 FINAL Schedule

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 There were 120 days listed in the proposal for 2004, and 104 operating days actually used. At year's end; 68 NSF days proposed, 68 run. 4 NOAA Sea Grant days proposed, 2 run. 27 student instructional days estimated, 23 run. 7 state Dept. of Ecol. days estimated, 4 run. 12 DOE days proposed, 7 run. 2 Navy days proposed, 0 run--cancelled by PI.
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CRUISE DATES	MAP INDEX/AREA/PURPOSE	P.I./INSTITUTION/PROPOSAL NO.	PORTS	DAYS/AGENCY/STATUS/CLEARANCE
05 FEB	NP9/Dabob Bay/	Frost,B/UW/	Seattle	1/NSF/F
05 FEB	Diatom Blooms	OCE-0118044	Seattle	
1st of 21 remaining NSF days. 20 left.				

10 FEB	NP9/Puget Sound/	McDuff,R /UW/	Seattle	1/STATE/F
10 FEB	Student Instruction	75-0364	Seattle	
(T. Sanford, Chf. Sci. Ocean 517 Class.)				

20 FEB	NP9/Puget Sound/	McDuff,R /UW/	Seattle	1/STATE/F
20 FEB	Student Instruction	75-0364	Seattle	
(T. Emerick, Chf. Sci. Ocean 101 Class.)				

24 FEB	NP9/Dabob Bay/	Frost,B/UW/	Seattle	3/NSF/F
26 FEB	Diatom Blooms	OCE-0118044	Seattle	
17 days remain.				

27 FEB	NP9/Puget Sound/	McDuff,R /UW/	Seattle	2/STATE/F
28 FEB	Student Instruction	75-0364	Seattle	
(T. Emerick, Chf. Sci. Ocean 101 Class.)				

02 MAR	NP9/Puget Sound/	Armbrust,E /UW/	Seattle	4/DOE/F
05 MAR	Photo-respiration	tbd	Seattle	
First 4 of 10 DOE funded days: 6 days remain.				

10 MAR	NP9/Dabob Bay/	Frost,B/UW/	Seattle	3/NSF/F
12 MAR	Diatom Blooms	OCE-0118044	Seattle	
14 days remain.				

16 MAR	NP9/Hood Canal/	Miller,C /OSU/	Seattle	4/NSF/F
19 MAR	Copepod Eggs	OCE-0221202	Seattle	

Four 4-day cruises required. First of 4: 12 days remain

22 MAR	NP9/Dabob Bay/	Frost,B/UW/	Seattle	5/NSF/F
26 MAR	Diatom Blooms	OCE-0118044	Seattle	

9 days remain.

29 MAR	NP9/Puget Sound/	McDuff,R /UW/	Seattle	4/STATE/F
01 APR	Student Instruction	75-0364	Seattle	

(M. Holmes, Chf. Sci. Ocean 444 Class.)

06 APR	NP9/Puget Sound/	Lidstrom,M /UW/	Seattle	1/NSF/F
06 APR	Metabolic Pathways	MCB-0131957	Seattle	

First of two 1-day cruises: 1 day remains.

07 APR	NP9/Dabob Bay/	Frost,B/UW/	Seattle	3/NSF/F
09 APR	Diatom Blooms	OCE-0118044	Seattle	

6 days remain.

13 APR	NP9/Puget Sound/	McDuff,R /UW/	Seattle	3/STATE/F
15 APR	Student Instruction	75-0364	Seattle	

(R. Sternberg, Chf. Sci. Ocean 220 Class.)

20 APR	NP9/Hood Canal/	Miller,C /OSU/	Seattle	4/NSF/F
23 APR	Copepod Eggs	OCE-0221202	Seattle	

Four 4-day cruises required. Second of 4: 8 days remain.

04 MAY	NP9/Dabob Bay/	Frost,B/UW/	Seattle	2/NSF/F
05 MAY	Diatom Blooms	OCE-0118044	Seattle	

J. Newton on board Chf. Sci. 4 days remain.

08 MAY	NP9/Puget Sound/	Carpenter,R. /UW/	Seattle	8/STATE/F
15 MAY	Student Instruction	75-0364	Seattle	

18 MAY	NP9/Hood Canal/	Miller,C /OSU/	Seattle	4/NSF/F
21 MAY	Copepod Eggs	OCE-0221202	Seattle	

Four 4-day cruises required. Third of 4: 4 days remain.

07 JUN	NP9/Alongside Seattle/	Schwartz,D/UW/	Seattle	2(Non-Op)/
08 JUN	Inspection	n/a	Seattle	NSF/P

NSF / UNOLS / JMS Ship Inspection.

22 JUN	NP9/Hood Canal/	Miller,C /OSU/	Seattle	4/NSF/F
25 JUN	Copepod Eggs	OCE-0221202	Seattle	

Four 4-day cruises required. Final of 4.

29 JUN	NP9/Puget Sound/	Lidstrom,M /UW/	Seattle	1/NSF/F
29 JUN	Metabolic Pathways	MCB-0131957	Seattle	

Second (final) of two 1-day cruises.

14 JUL NP9/Puget Sound/ [McDuff,R](#)/UW/ Seattle 2/STATE/F
15 JUL Student Instruction 75-0364 Seattle
(T. Schafer/R. Strickland, Chf. Sci. Ocean 101 Class.) CB-845.

04 AUG NP9/Puget Sound/ [Devol,A](#)/UW/ Seattle 1/DOE/F
04 AUG C & N Dynamics DE-FG02-98FR62535 Seattle
One of two DOE days: one more to be scheduled. Reminder sent 9/8/04.

09 AUG NP9/Puget Sound/ [Armbrust,E](#)/UW/ Seattle 1/DOE/F
09 AUG Photo-respiration 62-9155 Seattle
5 days remain.

10 AUG NP9/Washington Coast/ [Keil,R](#)/UW/ Seattle 10/NSF/F
19 AUG Marine Sediments OCE-0095287 Seattle Canada
Cruise will be in conjunction with PI's deferred 2003 'Wecoma' cruise.

01 SEP NP9/Brit. Columbia/ [Tebø,B](#)/SIO/ Seattle 9/NSF/F
09 SEP Mn Cycling OCE-0221500 Seattle Canada
Seven science days, two transit days. Dates changed 6/14/04.

13 SEP NP9/Puget Sound/ Carpenter,R/UW/ Seattle 2/STATE/F
14 SEP Student education 09-9713 Seattle
Undergraduate education: GIS-170

21 SEP NP9/Dabob Bay/ Frost,B/UW/ Seattle 2/NSF/F
22 SEP Diatom Blooms OCE-0118044 Seattle
J. Newton on board Chf. Sci. 2 days remain.

27 SEP NP9/Puget Sound/ [Newton,J](#)/UW/ Seattle 4/STATE/F
30 SEP Monitoring State Dept. of Eco Seattle
Originally estimated seven days for this cruise: actually used only four days.

25 OCT NP9/Dabob Bay/ Frost,B/UW/ Seattle 2/NSF/F
26 OCT Diatom Blooms OCE-0118044 Seattle
Final two NSF days. J. Pierson on board Chief Scientist.

27 OCT NP9/Puget Sound/ Frost,B./UW/ Seattle 2/NOAA/F
28 OCT Plankton/Sea Grant tbd Seattle
NOAA Sea Grant days, carried forward from 2002 to 2004. On-board Chief
Scientist J. Pierson.

06 DEC NP9/Puget Sound/ Devol,A/UW/ Seattle 5/NSF/F
15 DEC Long-term monitor. OCE-0118036 Seattle
2003 and 2004 time requested / granted. W. Ruef on-board Chief Scientist.
Actual at-sea days (interrupted by weather) were 6, 8, 9, 11, and 15 Dec.

16 DEC NP9/Puget Sound/ [Devol,A](#)/UW/ Seattle 1/DOE/F
16 DEC C & N Dynamics DE-FG02-98FR62535 Seattle
This is the final one of two DOE days.

20 DEC NP9/Puget Sound/ [Emerson,S](#)/UW/ Seattle 5/NSF/F
 24 DEC Tracers, Gas Exchange OCE-0242139 Seattle
 Weather delayed operations. Work has been completed.

?? ??? NP9/Puget Sound/ [Armbrust,E](#)/UW/ Seattle 5(Non-Op)/
 ?? ??? Photo-respiration tbd Seattle DOE/F
 remaining 5 days to be scheduled. Reminder sent 9/8/04. Unused as of 12/31:
 work presumably will be completed in 2005. (Shown as "non-op" to eliminate
 from 2004 total.)

?? ??? NP9/Puget Sound/ [Wheatcroft,R](#)/OSU/ Seattle 2(Non-Op)/
 ?? ??? Seabed Dynamics tbd Seattle NAVY/F
 Reminders to utilize these days sent. PI notified us in Dec. 2004 that he
 would not need this ship time.

?? ??? NP9/Puget Sound/ Frost,B./UW/ Seattle 2(Non-Op)/
 ?? ??? Plankton/Sea Grant 62-4555 Seattle NOAA/F
 NOAA Sea Grant days, carried forward from 2002 to 2004. Two of the four total
 days were used in 2004. PI will use the remaining two days in 2005. (Shown as
 "non-op" so that they will not affect the total day count for 2004.)

Agency	Funded	Proposed	TOTAL
DOE	7.0	0.0	7.0
NOAA	2.0	0.0	2.0
NSF	68.0	0.0	68.0
STATE	27.0	0.0	27.0
TOTAL	104.0	0.0	104.0