

POC: Rose Dufour/Elizabeth Rios LAST UPDATE: 17 Feb 99
 Scripps Institution of Oceanography
 La Jolla, CA 92093-021078
 TEL: (619) 534-2841 FAX: (619) 535-1817
 WWW: http://sio.ucsd.edu/supp_groups/shipsked/

R/V Robert G. Sproul
 1998 FINAL SHIP OPERATING SCHEDULE 1998
 LAST UPDATE: December 16, 1998

Cruise Days/Agncy Dates Stat/Clear	Map Purpose	Index/Area/ Purpose	P.I./Institution Proposal #	Ports	
18 Feb 20 Feb	NP9/Off Benthic biology	Santa Barbara/	Bernhard, J./USC/ OCE97-11812	San Diego Sta.Barbara	02/NSF/F
20 Feb 21 Feb	NP9/Off Animal Collection	San Diego	Latz, M./SIO/ IBN96-01069	Sta.Barbara Sta.Barbara	01/NSF/F*
21 Feb 23 Feb	NP9/Off Benthic biology	Santa Barbara/	Bernhard, J./USC/ OCE97-11812	Sta.Barbara San Diego	02/NSF/F
25 Feb 27 Feb	NP9/Off Feeding ecology study	San Diego/ UC Ship Funds	Drazen, J./SIO/ UC Ship Funds	San Diego San Diego	02/UC/F
28 Feb 28 Feb	NP9/Off student training	San Diego/ UC Ship Funds	Rosenblatt/SIO/ UC Ship Funds	San Diego San Diego	01/UC/F
07 Mar 09 Mar	NP9/off Optical system	San Diego/ NOO014-95-1-0189	deRobertis, A/SIO/ NOO014-95-1-0189	San Diego San Diego	02/ONR/F
11 Mar 16 Mar	NP9/Off El Niño studies	San Diego/ UC Ship Funds	Hayward, T./SIO/ UC Ship Funds	San Diego San Diego	06/NOAA/F
19 Mar 20 Mar	NP9/Off Animal Collection	San Diego/ IBN96-01069	Latz, M./SIO/ IBN96-01069	San Diego San Diego	01/NSF/F*
23 Mar 25 Mar	NP9/Off Student G & G	San Diego/ UC Ship Funds	Brown, K./SIO/ UC Ship Funds	San Diego San Diego	03/UC/F
05 Apr 09 Apr	NP9/Off track internal bores	San Diego/ OCE95-29626	Pineda, J./WHOI/ OCE95-29626	San Diego San Diego	04/NSF/F Mexico
14 Apr 15 Apr	NP9/Off Animal Collection	San Diego/ IBN96-01069	Latz, M./SIO/ IBN96-01069	San Diego San Diego	01/NSF/F*
19 Apr	NP9/Off	San Diego	Dorman & Sauter/	San Diego	03/NSF/F

22 Apr	Equipment tests	SIO/OCE97-12605	San Diego	
28 Apr	NP9/off San Diego/ Optical system	Jaffe, J./SIO/ NOO014-95-1-0189	San Diego San Diego	01/ONR/F
05 May	NP9/Off San Diego	Brown & Dorman/SIO/San Diego	San Diego	01/UC/F
07 May	OBS Recovery		San Diego	02/NSF/F
09 May	NP9/So. Cal. coast/ Student cruise	Ohman, M./SIO	San Diego San Diego	01/UC/F
14 May	NP9/So. Cal. coast/ Glider tests	Davis, R./SIO/	San Diego San Diego	01/ONR/F
16 May	NP9/Off San Diego/ El Niño studies	Hayward, T./SIO/ UC Ship Funds	San Diego San Diego	05/UC/F 01/NOAA/F
22 May	NP9/Off San Diego/ Animal Collection	Latz, M./SIO/ IBN96-01069	San Diego San Diego	01/NSF/F
01 Jun	NP9/Off San Diego/ Animal collection (stops in Santa Barbara Harbor for personnel transfers)	Duplessis, M./SIO/ General Funds	San Diego at sea	01/UC/F
	NP9/Off San Diego/ Animal Collection	Latz, M./SIO/ IBN96-01069	at sea at sea	01/NSF/F
04 Jun	NP9/Off San Diego/ Animal Collection	Childress, J./UCSB/ OCE96-32861	at sea San Diego	01/NSF/F
05 Jun	NP9/Off San Diego/ Equipment tests	Dorman, L./SIO/ OCE97-12605	San Diego San Diego	01/NSF/F
08 Jun	NP9/Off San Diego/ CTD work	Drazen, J./ General Funds	San Diego San Diego	03/UC/F
12 Jun	NP9/Off San Diego/ AUV Spray	Davis, R./SIO/ General Funds	San Diego San Diego	01/ONR/F
17 Jun	NP9/Off San Diego/ El Niño studies	Hayward, T./SIO/ UC Ship Funds	San Diego San Diego	06/UC/F
24 Jun	NP9/Sta.Barbara ch./ Mooring turnaround	Winant, C./SIO/	San Diego San Diego	08/MMS/F
06 Jul	NP9/Off San Diego/ Animal Collection	Latz, M./SIO/ IBN96-01069	San Diego San Diego	01/NSF/F
10 Jul	NP9/Off San Diego Deploy/Recover Bouy	Melville, K./SIO/ OCE95-29808	San Diego San Diego	10/NSF/F
22 Jul	NP9/off San Diego/ Optical system	Jaffe, J./SIO/ NOO014-95-1-0189 NOO014-94-1-0459	San Diego San Diego	03/ONR/F
28 Jul	NP9/Off San Diego/ Animal Collection	Latz, M./SIO/ IBN96-01069	San Diego San Diego	03/NSF/F

03 Aug	NP9/Off San Diego/	Pineda, J./WHOI/	San Diego	04/NSF/F
07 Aug	track internal bores	OCE95-29626	San Diego	Mexico
12 Aug	NP9/Off San Diego/	Hayward, T./SIO/	San Diego	06/UC/F
18 Aug	El Niño studies	UC Ship Funds	San Diego	
18 Aug	NP9/Off Avila Beach/	Winant, C./SIO/	San Diego	03/MMS/F
21 Aug	Deploy mooring		San Diego	
25 Aug	NP9/Off San Diego	Worcester, P./SIO/	San Diego	02/NOPP/F
26 Aug	Engineering tests		San Diego	
31 Aug	NP9/Off San Diego/	Latz, M./SIO/	San Diego	01/NSF/F
01 Sep	Animal Collection	IBN96-01069	San Diego	
02 Sep	NP9/Off Mexico/	Klimley, P./UCD/	San Diego	16/NSF/F
18 Sep	El Niño Fish Studies	OCE98-02058	San Diego	Mexico
22 Sep	NP9/Off Santa Barbara/	Bernhard, J./USC/	San Diego	03/NSF/F
25 Sep	Benthic biology	OCE97-11812	Sta.Barbara	
25 Sep	NP9/Off San Diego/	Latz, M./SIO/	Sta.Barbara	01/NSF/F
26 Sep	Animal Collection	IBN96-01069	Sta.Barbara	
26 Sep	NP9/Off San Diego/	Childress, J./UCSB/	Sta.Barbara	01/NSF/F
27 Sep	Animal Collection	OCE96-32861	at sea	
27 Sep	NP9/Off Santa Barbara/	Bernhard, J./USC/	at sea	01/NSF/F
28 Sep	Benthic biology	OCE97-11812	San Diego	
04 Oct	NP9/Off San Diego/	Stramski(Jaffe)/	San Diego	01/ONR/F
04 Oct	demo ocean optical	SIO/NO0014-95-1-0189	San Diego	
16 Oct	NP9/Off San Diego/	Hayward, T./SIO/	San Diego	06/UC/F
22 Oct	El Niño studies	UC Ship Funds	San Diego	
11 Nov	NP9/San Diego Trough/	Drazen, J./SIO/	San Diego	03/UC/F
14 Nov	CTD work	General Funds	San Diego	
18 Nov	NP9/Off San Diego/	Hayward, T./SIO/	San Diego	06/UC/F
24 Nov	El Niño studies	UC Ship Funds	San Diego	
03 Dec	NP9/Off MarinadelRey/	Noble, M./USGS/	San Diego	2/USGS/P
05 Dec	Deploy moorings	USGS	San Diego	
10 Dec	NP9/Off San Diego/	Hayward, T./SIO/	San Diego	06/UC/F
15 Dec	El Niño studies	UC Ship Funds	San Diego	

	Funded	Total
NSF	61	61
ONR	9	9
UC	50	50
MMS	11	11
NOPP	2	2

NOAA	7	7
USGS	2	2
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TOTAL	142	142