

- 3 . Cost Benefit Analysis
4. Timing of Science Meetings and Milestones
5. Other Factors (additional charges caused by shifting ships)

The following recommendations were presented:

1. Revise the ship-time request form
2. Develop a ship request tracking system relational data base
3. Automate the procedure for PI input on preliminary schedules and schedule changes
4. Standardize procedures for all users
5. Optimize scheduling meeting and procedure times (encourage more regional communications)
6. Cost benefit analysis system
7. Variable costs should be handled by Program Managers on an individual basis

ACTION TO DATE:

Revised Electronic Ship Time Request form (work in progress).

Two parts, single page for proposals and scheduling followed by an extensive second part for cruise planning. Part one submitted with proposal, part two after funding or special request. Each request will have a backup ~archive file of pertinent traffic.

Posted by year to web on world chart, geographically located in pull down box.

On-line ship schedule form. Auto cruise track posted to web on world chart. All PIs automatically notified at posting and for subsequent changes.

Transit bank auto-update for no cost cruises of opportunity.

Future work. Program ship daily cost, distance and fuel use into ship track program to provide a first level cut at a cost analysis.

Appendix IV

SUMMARY OF SHIP USE AND COSTS

YEAR: 1997

As of: 9/12/97

SHIP/CLASS	NSF		NAVY		OTHER		TOTAL		DAILY RATE
	DAY	\$	DAY	\$	DAY	\$	DAY	\$	
R. REVELLE	233	3,719	8	128	47	750	288	4,597	15,962
MELVILLE	199	3,359	87	1,469	21	354	307	5,182	16,879
KNORR	152	2,478	112	1,826	28	456	292	4,760	16,300
ATLANTIS	157	2,512	0	0	28	448	185	2,960	16,000

EWING	191	3,103	60	975	22	357	273	4,435	16,245
T.G. THOMPSON	171	2,624	24	368	66	1,013	261	4,006	15,349
MOANA WAVE	180	2,342	0	0	23	300	203	2,642	13,015
CLASS I/II - TOTAL	1,283	20,137	291	4,766	235	3,678	1,809	28,852	-
AVE: (7)	183	2,877	42	681	34	525	258	4,083	-
EDWIN LINK	43	366	34	289	135	1,148	212	1,803	8,505
ENDEAVOR	117	1,260	74	797	0	0	191	2,057	10,770
OCEANUS	156	1,716	45	495	0	0	201	2,211	1,100
GYRE	30	216	32	230	86	619	148	1,065	7,196
NEW HORIZON	114	1,318	70	640	48	439	262	2,397	9,149
SEWARD JOHNSON	179	1,683	0	0	105	987	284	2,670	9,401
WECOMA	109	1,079	12	119	79	782	200	1,980	9,900
CLASS III - TOTAL	778	7,638	267	2,570	453	3,975	1,498	14,183	-
AVE: (8)	97	955	33	321	57	497	187	1,773	-
PELICAN	57	200	51	179	103	361	211	740	3,507
LONGHORN	4	16	0	0	41	164	45	180	4,000
POINT SUR	82	508	57	353	58	360	197	1,221	6,198
CAPE HATTERAS	120	825	90	619	19	131	229	1,575	6,878
ALPHA HELIX	73	788	10	107	27	413	110	1,308	11,981
R. SPROUL	118	673	17	97	45	180	180	950	5,278
CAPE HENLOPEN	86	490	115	655	5	28	206	1,173	5,694
WEATHERBIRD II	130	964	20	148	1	7	151	1,119	7,411
SEA DIVER	5	23	22	99	70	315	97	437	4,505
CLASS IV - TOTAL	675	4,487	382	2,257	369	1,959	1,426	8,703	-
AVE: (9)	75	499	42	251	41	218	158	967	-
BLUE FIN	85	215	0	0	8	20	93	235	1,816
LAURENTIAN	35	165	0	0	12	56	47	221	4,702
BARNES	106	16	0	0	28	39	134	185	1,381
CALANUS	66	218	12	40	24	79	102	337	3,304
URRACA ©	0	0	0	0	0	0	0	0	NA
CLASS V - TOTAL	292	744	12	40	72	194	376	978	-
AVE: (5)	58	149	2	8	14	39	75	196	-
Fleet Total	3,028	33,006	952	9,633	1,129	9,806	5,109	52,446	-
AVE: (29)	104	1,138	33	332	39	338	176	1,808	-

SUMMARY OF SHIP USE AND COSTS

YEAR: 1998

As of: 9/11/97

SHIP/CLASS	NSF	NAVY	OTHER	TOTAL	DAILY				
	DAY	DAY	DAY	DAY	RATE				
	\$	\$	\$	\$					
R. REVELLE	127	2,121	135	2,255	18	301	280	4,677	16,704
MELVILLE	172	3,044	0	0	7	124	179	3,168	17,698

KNORR	185	3,034	53	869	19	312	257	4,215	16,400
ATLANTIS	223	3,524	11	174	38	600	272	4,298	15,801
EWING	73	1,278	48	840	18	315	139	2,432	17,496
T.G. THOMPSON	112	1,773	76	1,203	102	1,615	290	4,591	15,831
MOANA WAVE	104	1,452	16	224	65	907	185	2,583	13,962

CLASS I/II - TOTAL	996	16,226	339	5,565	267	4,174	1,602	25,964	-
AVE: (7)	142	2,318	48	795	38	596	229	3,709	-

SHIP/CLASS	NSF DAY	\$	NAVY DAY	\$	OTHER DAY	\$	TOTAL DAY	\$	DAILY RATE
EDWIN LINK	29	261	0	0	209	1,881	238	2,142	9,000
ENDEAVOR	0	0	0	0	0	0	0	0	
OCEANUS GYRE	152	1,611	40	424	7	74	199	2,109	10,600
							0	0	
NEW HORIZON	77	754	97	950	37	362	211	2,066	9,791
SEWARD JOHNSON	173	1,687	34	330	26	252	233	2,260	9,700
WECOMA	71	703	58	574	86	851	215	2,128	9,898

CLASS III - TOTAL	502	5,007	229	2,278	365	3,420	1,096	10,705	-
AVE: (8)	63	626	29	285	46	428	137	1,338	-

SHIP/CLASS	NSF DAY	\$	NAVY DAY	\$	OTHER DAY	\$	TOTAL DAY	\$	DAILY RATE
PELICAN	62	233	25	94	105	394	192	721	3,755
LONGHORN	54	216	0	0	30	120	84	336	4,000
POINT SUR	121	762	28	176	46	290	195	1,228	6,297
CAPE HATTERAS	104	724	81	564	57	397	242	1,685	6,963
ALPHA HELIX	132	1,417	0	0	12	129	144	1,546	10,736
R. SPROUL	81	482	44	262	20	119	145	863	5,952
CAPE HENLOPEN	104	593	68	388	16	91	188	1,072	5,702
WEATHERBIRD II	139	1,043	0	0	0	0	139	1,043	7,504
SEA DIVER	18	86	22	105	45	214	85	405	4,761

CLASS IV - TOTAL	815	5,556	268	1,589	331	1,754	1,414	8,899	-
AVE: (9)	91	617	30	177	37	195	157	989	-

SHIP/CLASS	NSF DAY	\$	NAVY DAY	\$	OTHER DAY	\$	TOTAL DAY	\$	DAILY RATE
BLUE FIN (b)	72	224	0	0	34	106	106	330	1,816
LAURENTIAN	140	630	0	0	6	27	146	657	4,500
BARNES	65	99	17	26	18	27	100	152	1,520
CALANUS	80	248	0	0	60	186	140	434.0	3,100
URRACA							0	0	NA

CLASS TOTAL	357	1,201	17	26	118	346	492	1,573	-
AVE: (5)	71	240	3	5	24	69	98	315	-

Fleet Total	2,670	27,990	853	9,458	1,081	9,694	4,604	47,141	-
AVE: (29)	92	965	29	326	37	334	159	1,626	-
