

FLIP CRUISE SUMMARY 1985-2009

Year	U/W Dates	P. I./Org.	Contract	Program/Evolution	Cruise, Area Support Vessel	# Days
1985	9 Oct - 31 Oct	Fisher	583001/25858/3226	Vert. Surv. Array	Contrack VIII	total 23 23
1986	30 Jan - 10 Feb	Pinkel	486430/25828/3416	Coherent Sonar Test	Ocean Dynamics	total 73 12
	20 Mar - 20 Mar	Beck	Hiro Ent	Filming FLIP	(None)	1
	9 April - 1 May	Fisher		Triple FLIP/Vert Dir Ambient Noise	Contrack XI	23
	18 Aug - 18 Aug	Pavlicek				1
	26 Sep - 31 Oct	Pinkel	6/486430/25828/3702		Patchex	36
1987	26 Jan - 30 Jan	Hildebrand	583002/25828/3702			total 84 5
	27 Jan - 28 Jan	Fisher	583700/25846/3084			2
	13 Mar - 3 Apr	Fisher	583700/25846/3084	Broadband Ambient Noise	Bambino I	22
	14 June - 24 June	Fisher/Hildebrand	583006/25921/3975	Vert. Array Test		11
	2 Sept - 4 Oct	Hildebrand	583006/25921/3975	Short Vert. Array	SVLA	32
	9 Nov - 20 Nov	Pinkel		Physical Oceanog.		12
1988	11 May - 23 May	Pinkel	583012/25918/3711	Physical Oceanog.	May 88	total 36 13
	15 June - 17 June	Anderson	486430/25846/3460		Dynamic Position	3
	28 Sept - 5 Oct	Leonard	583762/25846/3214	Optical Progration Exp.		8
	4 Nov - 15 Nov	Pinkel				12
1989	31 Jan - 14 Feb	Hildebrand	583753/25846/3178	Vertical Array Test		total 82 15
	8 May - 18 May	"	" " "	" " "		11
	23 June - 21 July	"	" " "	VAST 1		29
	29 July - 7 Aug	Weller				10
	13 Sept - 14 Sept	Fisher	583703/25958/3241	FLOSS Test		2
	1 Dec - 15 Dec	Pinkel	446430/22020/2519	SWAPP Inst. Tests		15
1990	15 Feb - 23 Mar	Pluedemann/Well er WHOI MPL	436439/62071/0944 446430/22929/3831 (446430/22923/3828)	Surface Wave Processes	SWAPP	total 58 37
	22 May - 26 May	Hodgkiss (MPL)	486430/25955/3694	DIFAR Element Test		5
	27 July - 10 Aug	Nies (NOSC)	SPAWARS N00014-89-D-0142	Optical Prop.		15
	30 Oct - 30 Oct	Fisher (MPL)	446430-229 09/3232	FLIP Dynamics Test		1

1991						total 101
4 Feb - 8 Feb	Fisher (MPL)			TSS Test		5
3-17 Apr	Fisher (MPL)			DIFAR /16		15
10 July - 18 July	Fisher/D'Spain (MPL)			DIFAR		9
15 Aug -15 Oct	Hildebrand (MPL)			NOBS		62
28 Oct-6 Nov	Pinkel (MPL)			Sonar Doppler Test		10
1992						total 30
7-20 Jan	Dahl (APL/UW)			scattering	Liska/C&G Block	14
15-30 Sep	G. D'Spain (MPL)			DIFAR		16
1993						total 45
24-25 Mar	Fisher (MPL)	N00014-89-0-0142#26		crew training	SOCAL/Navajo	2
29 Mar-2 Apr	Hildebrand (MPL)	N00014-89-0-0142#26		non acoustics NSW	SOCAL/Navajo	5
11-27 Aug	Hodgkiss/NRaD			NPT		
				SWell Ex 1 Shallow	SOCAL/NRaD tests	17
				Water Point Loma	Joe Rice Sioux	
14-30 Sep	Hodgkiss/NRaD			SWell EX2 Shallow	NRaD tests Mark	17
				Water San Clemente	Stevenson Navajo	
				Is.		
8-12 Nov	Worcester (IGPP)	MDA972-93-0003		ATOC experiment	2 point moor/SOCAL Navajo	5
1994						total 83
18 Jan-14 Feb	Gaines (MPL)	MPL FF 14		Dry Docking	Campbell Shipyard	
17 March	Gaines (MPL)	MPL FF 14		sea trials/ training	SOCAL FOSS TUG	1
20-27 March	Gregg APL/UW	MPL RP 67227 43A		MBL Equip test/drift	SOCAL/Sioux	8
17-24 May	D'Spain (MPL)	MPL WH 66		SWellEx engineering test/FOPAR	SOCAL/commercial tug	9
				radar/moored 3	Recovery One	
18 Jul-4 Aug	Hodgkiss (MPL/NRaD)	MPL WH 11		SWellEX3/moored 3	SOCAL/Navajo	18
29 Aug-7 Sep	Friehe (UCI)	MPLCF 01		MBL test cruise	SOCAL/Sioux 29 Aug,	10
				drift/moored 1	SEATREC recovery	
11-13 Oct	Howe (APL Wash)	MPLAPLT ARPA 972931003		ATOC test trip	SOCAL/Recovery One	3
				moored 2	Harbor Tug Co.	
24 Oct-4 Nov	Smith (MPL)	MPL RP 67		MBL test	Sioux	12
				cruise/moored 1		
10-30 Nov	Howe (APL Wash)	ATOC		ATOC cruise	West	21
				moored 3 (X2)	SOCAL/Recovery One	
5-8 Dec	Hodgkiss (MPL)	MPL WH 93		FWCA test	SOCAL/Recovery One	3
				cruise/drift		
1995						total 117
7 Feb	Gaines (MPL)	MPL FL 86		Sea Trials/drift	SOCAL/Navajo	1
16Feb-14 Mar	Pinkel (MPL)	MPL RP 67		MBL Cruise I/moored 1	SOCAL/Sioux	28
21 Mar-04 Apr	Hodgkiss (MPL)	MPL WAK 09		ONR ARL/moored 3	SOCAL/Sioux	15
13 Apr-14 May	Friehe (UCI)	MPL RP 67		MBL Cruise	Monterey/Navajo	32
				II/moored 1		
26 July	Gaines (MPL)	FL00		Sea Trial	SOCAL/Navajo	1
				(TVfilming)/drift		
5 Sept-14 Oct	Fairall (NOAA)	MPL FL 88		COPE/moored 3	PACNORWEST/Nava	40

1996						total 41
18-19 Jan	Gaines (MPL)	MPL FL 00	Sea Trial/drift	SOCAL/Sioux		2
29 Apr-02 May	Buckingham (MPL)	MPLMB 42	Acoustic Daylight/drift	SOCAL/Sioux		4
06-20 May	Hodgkiss (MPL/NRaD)	MPLWH 71	SWellEX 96/ moored 3	SOCAL/Sioux/ Commercial		16
17 July- 26 July	Kuperman (MPL)	MPLWK 24	Marine Mammal Exp. Moored 3	San Miguel Is./Sioux		10
06 to 13 Aug	Kuperman (MPL)	MPLWK 24	Marine Mammal Exp. Leg II Moored 3	San Miguel Is./Navajo		8
13 Dec	Kuperman (MPL)	MPL FL00	engineering trials/drift	SOCAL/Navajo		1
1997						total 31
31 July	Gaines (MPL)	MPL FL 00	Sea Trial/drift	SOCAL/Sioux		1
22 Sep-9 Oct	Kuperman (MPL)	MPL WK 24	ONR whale vocalization moored 3	SOCAL/Navajo		18
20-31 Oct	Hodgkiss (MPL)	MPL WH 86	ONR HF noise flux moored 3	SOCAL/Sioux		12
1998						total 61
03-14 Apr	Hodgkiss/Booth	NRaD	Santa Barbara Channel Exp moored 3	34-06N, 119-22W commercial Crowley/Brusco		12
19-21 May 98	Zumberge (IGPP)	IGPP, MPL JH 63	ROVDOG, moored 1	32-42.5N, 117-32.5W commercial, Westcoast		3
13-17 July	Chadwell/Gerstoft	FL93/WH	Radiosones/sea trials drift	32-42N, 117-30W Navajo		5
24 Aug-25 Sep	Pinkel, Deane, D'Spain, Hildebrand	ARL	El Nino Ocean mixing moored 3 deep	31-53N, 118-43W Navajo		32
12-20 Nov	Hodgkiss	ONR	HF experiment moored 3	32-38N, 117-20W Sioux		9
1999						Total 44
05-10 April	Deane, MPL	ONR/ARL	Surface bubble activity/drift	31-46N/118-40W Sioux		6
03-14 May	Hodgkiss Mpl Booth, SPAWAR	SPAWAR/ONR	SwellEx 99	33-08N/117-24W Crowley/Westcoast		12
02-07 June	Spiess/Hildebrand MPL	ONR/ARL	GPS experiment	32-44N/117-35W Sioux		6
09-28 Sept	Pinkel, MPL	ONR/ARL	Surface activity	Sioux/Navajo		20
2000						Total 70
31 Jan-17 Feb	Deane, MPL	ONR	Ocean Bubble experiment	Sioux		20
15 Sep-15 Oct	Jessup, UW	ONR	Microbreaking air	Sioux		

23 Oct-10 Nov	D'Spain, MPL L. Culver, APL Penn State	ONR/ARL	sea exchange Synthetic Aperture Exp.	Navajo	31
					19
2001					Total 97, 73 funded
20-29 June	Pinkel MPL	ONR/NSF	HOME test trip drift	Navajo/Sioux	10
09-26 July	Hodgkiss, D'Spain MPL	ONR	PasSAS moored 3	Sioux/Navajo	17
02-14 Aug	Golfinos	MPL	Transit tow	Sioux	12
20 Aug-18 Sept	Anderson Spawar	ONR	RED moored 3	Sioux/Salvor/Salvor	30
01 Oct-09 Nov	Pinkel MPL	ONR/NSF	HOME moored 1	Salvor/Sioux	40
16-26 Nov	Golfinos	MPL	Transit tow	Sioux	12
2002					Total 111, 86 funded
24 April-06 May	Hodgkiss MPL	ONR	Mid-freq Exp. Moored 3	FOSS/Sioux	12
21 June	40 th cruise	ONR	Birthday cruise/ drift	Navajo	1
02-15 July	Culver Penn State	ONR	Moored 3	Sioux	14
17 July-02 Aug	D'Spain MPL	ONR	PasSAS moored 3	Sioux/Navajo	16
22 Aug-03 Sep	Golfinos	MPL	Transit tow	Sioux	13
09 Sep-21 Oct	Pinkel MPL	ONR/NSF	HOMR II, moored 3	Sioux/Navajo	43
29 Oct-08 Nov	Golfinos	MPL	Transit tow	Navajo	12
2003					Total 26
11-29 Aug	Hildebrand, MPL	ONR	Marine Mammal Monitoring	Navajo	19
21 June	D'Spain, MPL	ONR	PaSAS	Sioux	7
2004					Total 45
15 April – 05 May	D'Spain, MPL	ONR	PaSAS	Navajo	21
25 Aug – 17 Sep	Hildebrand, MPL	ONR	Marine Mammal Vocal	Navajo	24
2005					Total 12
21 Nov – 02 Dec	Hildebrand, MPL	ONR	Marine Mammal (transit)	Sioux	12
2006					Total 72
24 Mar – 07 Apr	D'Spain, MPL	ONR	HF/MF	Sioux mooring/ commercial recovery	15
15 Aug – 11 Sep	Pinkel, MPL	ONR	AESOP	Navajo	27
02 Oct – 04 Nov	Hildebrand, MPL	ONR	Marine Mammal	Navajo	30
2007					Total 30
30 Oct – 29 Nov	Hildebrand, MPL	ONR/N45	Marine Mammal Research	Sioux	30
2008					Total 53
03 – 25 Sep	Melville, MPL	ONR	RaDyo Program	Sioux/Salvor	23
13 Oct – 12 Nov	Hildebrand, MPL	ONR	Marine Mammal Research	Navajo	30

2009						Total 60
6-7 May	Melville, MPL	ONR	Sea Trials	Sioux		2
06 – 14 Jul	Melville, MPL	ONR	ONR Hi Res	Navajo		9
03 – 14 Aug	Golfinos, MPL	ONR	Transit	Assigned		12
24 Aug – 16 Sep	Melville, MPL	ONR	ONR RaDyO	Assigned		24
29 Sep – 13 Oct	Golfinos, MPL	ONR	Transit	Assigned		12