

TRANSCRIPTION OF *TRIESTE* PROGRAM DIVE LOG

Dive log the collection of the U.S. Naval Undersea Museum

Transcription of NMNW.2014.020.001



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Dive	Date	Locality	Geo Posit[ion]	Depth	Duration	Support Ship	Pilot	Observer	Purpose/Remarks
1	8/11/53	CASTEL-LAMMARE HARBOR		26'			A. PICCARD	J. PICCARD	BAPTISMAL TEST SUBMERSION
2	8/13/53	CASTEL-LAMMARE HARBOR		53'			A. PICCARD	J. PICCARD	TEST DIVE
3	8/14/53	OFF CASTEL-LAMMARE DI STABIA	40 ^o 30.0'N 14 ^o 12.5'E	130'		TENACE	A. PICCARD	J. PICCARD	FIRST OPEN WATER TEST DIVE
4	8/26/53	SOUTH OF CAPRI ISLAND		3,540'		TENACE	A. PICCARD	J. PICCARD	TECHNICAL & OBSERVATIONS
5	9/29/53	OFF PONZA ISLAND		50'		TENACE	J. PICCARD	A. TIRAETTA	TEST DIVE
6	9/30/53	SOUTH OF PONZA ISLAND		10,300'		TENACE	A. PICCARD	J. PICCARD	TECHNICAL & OBSERVATIONS
7	10/2/53	SOUTH OF ISCHIA ISLAND		2,150'		TENACE	J. PICCARD	V. DE SANTIS	TOXIC FUMES (ABORTED)
8	/54	GULF OF NAPLES		TO 500'			J. PICCARD	DIVES 8-15 P. TARDENT A. POLLINI MARIE CLAUDE PICCARD AND OTHERS	TECHNICAL & OBSERVATIONS
9	/54	GULF OF NAPLES		TO 500'			J. PICCARD	AS ABOVE	TECHNICAL & OBSERVATIONS
10	/54	GULF OF NAPLES		TO 500'			J. PICCARD	AS ABOVE	TECHNICAL & OBSERVATIONS
11	/54	GULF OF NAPLES		TO 500'			J. PICCARD	P. TARDENT A. POLLINI MARIE CLAUDE PICCARD AND OTHERS	TECHNICAL & OBSERVATIONS
12	/54	GULF OF NAPLES		TO 500'			J. PICCARD	AS ABOVE	TECHNICAL & OBSERVATIONS
13	/54	GULF OF NAPLES		TO 500'			J. PICCARD	AS ABOVE	TECHNICAL & OBSERVATIONS
14	/54	GULF OF NAPLES		TO 500'			J. PICCARD	AS ABOVE	TECHNICAL & OBSERVATIONS
15	/54	GULF OF NAPLES		TO 500'			J. PICCARD	AS ABOVE	TECHNICAL & OBSERVATIONS
16	9/29/56	OFF CASTEL-LAMMARE DI STABIA		55'			J. PICCARD		TEST DIVE
17	10/2/56	OFF CASTEL-LAMMARE DI STABIA		130'			J. PICCARD	M. KOBR UNIVERSITY OF LAUSANNE	BIOLOGICAL OBSERVATIONS
18	10/10/56	GULF OF NAPLES		500'			J. PICCARD	A. POLLINI UNIVERSITY OF MILAN	OCEANOGRAPHIC OBSERVATIONS
19	10/12/56	BETWEEN CAPRI I. AND ISCHIA I.		2,030'			J. PICCARD	A. POLLINI	OCEANOGRAPHIC OBSERVATIONS
20	10/13/56	SOUTH OF CAPRI ISLAND		3,600'			J. PICCARD	A. POLLINI	OCEANOGRAPHIC OBSERVATIONS
21	10/16/56	SOUTH OF PONZA ISLAND	40 ^o 42'N 13 ^o 02'E	6,550'			J. PICCARD	A. POLLINI	OCEANOGRAPHIC OBSERVATIONS
22	10/17/56	SOUTH OF PONZA ISLAND	40 ^o 37'N 12 ^o 49'E	12,110'			J. PICCARD	A. POLLINI	OCEANOGRAPHIC OBSERVATIONS

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

23	6/21/57	OFF CASTEL-LAMMARE DI STABIA		110'			J. PICCARD	W. KIEHLHORN OFFICE OF NAVAL RESEARCH	TECHNICAL (COMPASS COMPENSATION)
24	7/1/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 25'N 14 ^[superscript] o [superscript] 16'E	860'		TENACE	J. PICCARD	N. JERLOV SWEDISH OCEANOGRAPHER	MEASUREMENT OF LIGHT PENETRATION
25	7/1/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 26'N 14 ^[superscript] o [superscript] 15'E	985'		TENACE	J. PICCARD	N. JERLOV	MEASUREMENT OF LIGHT PENETRATION
26	7/3/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 30'N 14 ^[superscript] o [superscript] 15'E	1,970'		TENACE	J. PICCARD	N. JERLOV	MEASUREMENT OF LIGHT PENETRATION
27	7/3/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 30'N 14 ^[superscript] o [superscript] 15'E	3,600'	2 hr 31 min	TENACE	J. PICCARD	R. DIETZ OFFICE OF NAVAL RESEARCH	OCEANOGRAPHIC OBSERVATIONS
28	7/18/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 30'N 14 ^[superscript] o [superscript] 15'E	3,600'			J. PICCARD	R. LEWIS USN UNDERWATER SOUND LABORATORY	UNDERWATER SOUND EXPERIMENTS (HIGH FREQUENCY)
29	7/20/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 30'N 14 ^[superscript] o [superscript] 15'E	3,700'			J. PICCARD	A. RECHNITZER U.S. NAVAL ELECTRONICS LABORATORY	BIOLOGICAL OBSERVATIONS
30	7/24/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 30'N 14 ^[superscript] o [superscript] 15'E	3,540'			J. PICCARD	M. LOMASK HUDSON LAB. COLUMBIA UNIVERSITY	UNDERWATER SOUND EXPREIMENTS (LOW FREQUENCY)
31	7/26/27	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 32'N 14 ^[superscript] o [superscript] 14'E	555'			J. PICCARD	CAPT MADISON USN	DEMONSTRATION
32	7/26/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 32'N 14 ^[superscript] o [superscript] 14'E	985'			J. PICCARD	M. KOBR	BIOLOGICAL OBSERVATIONS
33	7/26/57	OFF CAPRI ISLAND	40 ^[superscript] o [superscript] 32'N 14 ^[superscript] o [superscript] 14'E	1,480			J. PICCARD	A. RECHNITZER	BIOLOGICAL OBSERVATIONS
34	8/30/57	OFF CASTEL-LAMMARE DI STABIA	40 ^[superscript] o [superscript] 42'N 14 ^[superscript] o [superscript] 28'E	175'			J. PICCARD	A. MAXWELL OFFICE OF NAVAL RESEARCH	TECHNICAL

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

35	9/2/57	OFF CAPRI ISLAND	40 ^o 31'N 14 ^o 28'E	3,580'			J. PICCARD	R. LEWIS	UNDERWATER SOUND EXPERIMENTS
36	9/9/57	OFF PONZA ISLAND	40 ^o 35'N 13 ^o 00'E	9,200'			J. PICCARD	R. LEWIS	UNDERWATER SOUND EXPERIMENTS
37	9/11/57	OFF PONZA ISLAND	40 ^o 35'N 13 ^o 00'E	985'	Approx. 3 HRS		J. PICCARD	R. LEWIS	UNDERWATER SOUND EXPERIMENTS WITH TRIESTE SUSPENDED IN MID-WATER
38	9/19/57	OFF PONZA ISLAND	40 ^o 35'N 12 ^o 55'E	10,500'			J. PICCARD	M. LOMASK	UNDERWATER SOUND EXPERIMENTS
39	9/21/57	OFF PONZA ISLAND	40 ^o 30'N 13 ^o 00'E	9,850'			J. PICCARD	R. FRASSETTO HUDSON LAB; COLUMBIA UNIV.	UNDERWATER SOUND EXPERIMENTS
40	10/12/57	OFF CAPRI ISLAND	40 ^o 30'N 14 ^o 15'E	3,580'			J. PICCARD	A. RECHNITZER	BIOLOGICAL OBSERVATIONS
41	10/14/57	OFF CAPRI ISLAND	40 ^o 31'N 14 ^o 14'E	3,400'			J. PICCARD	G. BOTHERON UNIVERSITY OF LAUSANNE	GEOLOGICAL OBSERVATION
42	10/14/57	OFF CAPRI ISLAND	40 ^o 30'N 14 ^o 14'E	3,540'			J. PICCARD	R. FRASSETTO	UNDERWATER SOUND EXPERIMENTS
43	10/16/57	OFF SORRENTO PENINULA	40 ^o 34'N 14 ^o 21'E	2,700'			J. PICCARD	S. DICEGLIE UNIV. OF BARI	GRAVITY MEASUREMENTS
44	10/17/57	OFF CAPRI ISLAND	40 ^o 33'N 14 ^o 14'E	80'			J. PICCARD	CAPT. SALVI ITALIAN NAVY	PHOTOGRAPHY
45	10/18/57	OFF CAPRI ISLAND	40 ^o 34'N 14 ^o 00'E	720'			J. PICCARD	CAPT SALVI	DEMONSTRATION
46	10/18/57	OFF CAPRI ISLAND	40 ^o 34'N 14 ^o 00'E	885'			J. PICCARD	CAPT STEARNS USN	DEMONSTRATION

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

47	10/18/57	OFF CAPRI ISLAND	40 ^o 34'N 14 ^o 00'E	800'		J. PICCARD	A. BAUME	PHOTOGRAPHY
48	10/25/57	OFF CASTEL-LAMMARE	40 ^o 42'N 14 ^o 24'E	300'		J. PICCARD	CAPT VENTURA ITALIAN NAVY	DEMONSTRATION
49	12/17/58	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	70'		J. PICCARD	A. RECHNITZER	TEST DIVE
50	12/20/58	LOMA SEA VALLEY	32 ^o 39.5'N 117 ^o 23.0'W	860'		J. PICCARD	JOHN LIGHT NBC NEWS	DEMONSTRATION & PHOTOGRAPHY
51	5/12/59	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	50'		J. PICCARD	LTD. WALSH U.S. NAVY	TEST DIVE
52	5/19/59	LOMA SEA VALLEY	32 ^o 40.2'N 117 ^o 23.1'W	720'	DOWN 1309 UP 1613 (3 HR 4MIN)	J. PICCARD	A. RECHNITZER	BIOLOGICAL OBSERVATION
53	5/22/59	SAN DIEGO TROUGH	32 ^o 37.6'N 117 ^o 29.7'W	4,100'	DOWN 1330 UP 1644 (3 HR 14 MIN)	J. PICCARD	LTD. WALSH	TECHNICAL
54	5/28/59	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	60'		J. PICCARD	MR. K. MECKENZIE U.S. N.E.L.	TEST DIVE FOR UNDERWATER EXPERIMENTS
55	5/29/59	SAN DIEGO TROUGH	32 ^o 33.2'N 117 ^o 27.0'W	3,790'	DOWN 1344 UP 1738 (2 HR 54 MIN)	J. PICCARD	K. MACKENZIE	UNDERWATER SOUND EXPERIMENTS
56	6/5/59	LOMA SEA VALLEY	32 ^o 37.6'N 117 ^o 22.2'W	770'	DOWN 1318 UP 1445 (1 HR 27 MIN)	J. PICCARD	A. RECHNITZER	TEST DIVE & BIOLOGICAL OBSERVATIONS
57	9/11/59	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	62'		J. PICCARD	LT L. SHUMAKER USN	TEST DIVE AFTER INSTALLATION OF NEW SPHERE
58	9/15/59	LOMA SEA VALLEY	32 ^o 40.2'N 117 ^o 23.1'W	590'		J. PICCARD	A. RECHNITZER	BIOLOGICAL OBSERVATIONS

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

59	11/4/59	APRA HARBOR GUAM	13 ^o 29.5'N 144 ^o 38.0'E	70'			J. PICCARD	LT L. SHUMAKER	TEST DIVE
60	11/10/59	WEST OF GUAM	13 ^o 29.5'N 144 ^o 38.2'E	4,900'	DOWN 1109 UP 1537 (4 HR 28MIN)	USS LEWIS	J. PICCARD	A. RECHNITZER	TEST DIVE & OCEAN OBSERVATIONS
61	11/15/59	SE OF GUAM	12 ^o 52.8'N 145 ^o 10.2'E	18,150'	DOWN 1015 UP 1550 (5 HR 35MIN)	USS LEWIS (DE 635) USS WANDANK	J. PICCARD	A. RECHNITZER	TEST DIVE & OCEAN OBSERVATIONS
62	12/14/59	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39.0'E	65'			J. PICCARD	J. CAWLEY GEN. ATOMICS, INC.	TEST DIVE
63	12/18/59	WEST OF GUAM	13 ^o 30.1'N 144 ^o 37.1E	5,450'	DOWN 1045 UP 1335 (2 HR 50MIN)	USS LEWIS (DE 635) USS WANDANK	J. PICCARD	LT D. WALSH	TEST DIVE & PILOT TRAINING/QUAL.
64	12/29/59	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	100'	DOWN 0925 UP 1037 (HR 12MIN)		LT D. WALSH	JENSEN	TEST DIVE & PILOT TRAINING/QUAL.
65	12/29/59	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	100'	DOWN 1138 UP 1205 (0HR 27MIN)		LT L. SHUMAKER	DEGOOD	TEST DIVE & PILOT TRAINING/QUAL.
66	12/29/59	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	100"	DOWN 1315 UP 1345 (0HR 30MIN)		LT D. WALSH	A. RECHNITZER	TEST DIVE & PILOT TRAINING/QUAL
66	12/30/59	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	100'	DOWN 0905 UP 1001 (0HR 54MIN)		LT D. WALSH	E.J. MICHEL MRCS, USN	TEST DIVE & PILOT TRAINING/QUAL (WALSH QUALIFIED)
68	12/30/59	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	100	DOWN 1057 UP 1130 (0HR 33MIN)		LT L. SHUMAKER	A. RECHNITZER	TEST DIVE & PILOT TRAINING/QUAL (SHUMAKER QUALIFIED)
69	1/8/60	MARIANAS TRENCH NERO DEEP	12 ^o 40'N 145 ^o 21.5'E	22,560	DOWN 0954 UP 1522 (5HR 28MIN)	USS LEWIS (DE 635) USS WANDANK	J. PICCARD	LT D. WALSH	TEST DIVE & PILOT TRAINING/QUAL
70	1/23/60	CHALLENGER DEEP	11 ^o 18.5'N 142 ^o 15.5'E	35,800'	DOWN 0822 UP 1658 (8HR 36MIN)	USS LEWIS (DE 635) USS WANDANK	J. PICCARD	LT D. WALSH	RECORD DIVE

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

71	6/15/60	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	102'	DOWN 1430 UP 1501 (0HR 31MIN)		LT WALSH	LCDR WINKLER ONR CODE 466	TEST DIVE & PILOT TRAINING
72	6/15/60	APRA HARBOR GUAM	13 ^o 27.5'N 144 ^o 39'E	95'			LT L. SHUMAKER	LCDR KENNEDY ONR CODE 466	TEST DIVE & PILOT TRAINING
73	6/21/60	WEST OF GUAM	13 ^o 30.7'N 144 ^o 37.0'E	1070'	DOWN 1030 UP 1300 (2HR 30MIN)		LT D. WALSH	A. RECHNITZER	SHALLOW SOUND VELOCITY MEASUREMENTS
74	6/25/60	WEST OF GUAM	13 ^o 30.3'N 144 ^o 36.4'E	1455'	DOWN 1428 UP 1536 (1HR 8MIN)		LT SHUMAKER	LCDR KENNEDY	TEST DIVE & INDOCTRINATION
75	7/1/60	EAST OF GUAM	13 ^o 26'N 145 ^o 31'E	8,530'	DOWN 1239 UP 1713 (4HR 34MIN)		LT WALSH	A. RECHNITZER	SOUND VELOCITY MEASUREMENT
76	7/1/60	SOUTH OF MARIANAS TRENCH	12 ^o 44.5'N 144 ^o 53.5'E	18,900'	DOWN 0817 UP 1538 (7HR 21MIN)		LT SHUMAKER	A. RECHNITZER	SOUND VELOCITY MEASUREMENT
77	7/6/60	WEST OF GUAM	13 ^o 28.2'N 144 ^o 24.5'E	1,140'	DOWN 1145 UP 1625 (5HR 40MIN)		LT SHUMAKER	A. RECHNITZER	SOUND VELOCITY MEASUREMENT (SHALLOW)
78	7/9/60	WEST OF GUAM	13 ^o 27.0'N 144 ^o 32.1'E	7,500'	DOWN 1003 UP 1704 (7HR 2MIN)		LT WALSH	A. RECHNITZER	SOUND VELOCITY & GRAVITY MEASUREMENT
79	9/7/61	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	40'			LT WALSH	EM1 ADAMS, USN	TEST DIVE
80	9/12/61	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	69'			LT SHUMAKER	ET1 DEVOE USN	TEST DIVE
81	9/14/61	SOUTH 1/2 OPAREA YY- 4	32 ^o 37.8'N 117 ^o 20.9'W	594'	DOWN 1228 UP 1345 (1HR 17MIN)		LT WALSH	SHUMWAY	GEOLOGY AND OCEAN TEST
82	10/11/61	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	48'			LT WALSH	ENC(SS) CHANDLER	TEST DIVE

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

83	10/13/61	OPAREA VV-6	32 ^o 55.3'N 117 ^o 20.9'W	1920'	DOWN 1047 UP 1314 (3HR 27MIN)	LT L. SHUMAKER	MR. R. DILL U.S.N.E.L.	GEOLOGICAL INVESTIGATION SEDIMENT TRANSPORT AND FORMATION
84	10/25/61	OPAREA YY-3	32 ^o 37'N 117 ^o 30'W	3960'	DOWN 1323 UP 1617 (2HR 54MIN)	LT WALSH	LAFOND	BIOLOGICAL/GEOLOGICAL OBSERVATIONS
85	12/7/61	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	40'		LT SHUMAKER	BEAGLES	TEST DIVE
86	1/13/62	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	53'		LT SHUMAKER	BARHAM	TEST DIVE
87	1/17/62	WEST 1/2 OPAREA SS-2	32 ^o 27.1'N 117 ^o 28.4'W	4200'	DOWN 0937 UP 1339 (4HR 2MIN)	LT SHUMAKER	BARHAM	BIOLOGICAL INVESTIGATION OF WATER COLUMN
88	2/14/62	CENTER OPAREA SS-2	32 ^o 27.5'N 117 ^o 28.5'W	4200'	DOWN 0858 UP 1236 (3HR 38MIN)	LT WALSH	BARHAM	INVESTIGATION OF MIDWATER BIOLOGICAL POLULATION; SEISMOGRAPH MEASUREMENT
89	2/28/62	CENTER OPERA SS-5	32 ^o 18.5'N 117 ^o 24.0'W	4200'	DOWN 0750 UP 1108 (3HR 18MIN)	LT SHUMAKER	BEAGLES	GEOLOGICAL & BIOLOGICAL OBSERVATIONS
90	3/14/62	SOUTH 1/2 OPAREA YY-1	32 ^o 46.0'N 117 ^o 28.0'W	1200'	DOWN 0715 UP 1052 (3HR 37MIN)	LT WALSH	BEAGLES	BOTTOM REFLECTION CHARACTERISTIC OF ACOUSTIC SIGNALS/GEOLOGICAL OBSERVATIONS [illegible]
91	3/21/62	CENTER & WEST BNDRY OPAREA VV-6	32 ^o 55'N 117 ^o 23'W	1920'	DOWN 0856 UP 1252 (3HR 56MIN)	LT L. SHUMAKER	MR. R. DILL U.S.N.E.L.	GEOLOGICAL INVESTIGATION OF CANYON FORMATION
92	3/28/62	CENTER & N 1/2 OPAREA SS-2	32 ^o 31.2'N 117 ^o 26.0'W	3768'	DOWN 1137 UP 1415 (2HR 38MIN)	LT D. WALSH	BARHAM	INVESTIGATE BIOLOGICAL PATTERN OF WATER COLUMN; MICRO-SEISMOGRAPH MEASUREMENTS
93	4/4/62	VV-6	32 ^o 54.7'N 117 ^o 21.5'W	1920'	DOWN 1107 UP 1523 (4HR 16MIN)	LT L. SHUMAKER	MR R. DILL	GEOLOGICAL OBSERVATION
94	4/27/62	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	64'		LT D. WALSH	LCDR D. KEACH	PILOT TRAINING

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

95	4/27/62	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	64'			LT D. WALSH	LCDR D. KEATH LT G. MARTIN	PILOT TRAINING
96	6/5/62	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	40'			LT D. WALSH	LCDR D. KEACH	PILOT TRAINING
97	6/6/62	OPAREA YY-3	32 ^o 37.2'N 117 ^o 23.3'W	1000'	DOWN 1240 UP 1407 (1HR 27MIN)		LT D. WALSH	LCDR D. KEACH	PILOT TRAINING
98	6/14/62	OPAREA YY-3	32 ^o 37.0'N 117 ^o 30.5'W	3600'	DOWN 1355 UP 1601 (2HR 6MIN)		LCDR D. KEACH	LT G. MARTIN	LCDR. D KEACH QUALIFIED PILOT TRAINING
99	6/20/62	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	72'	DOWN 1332 UP 1358 (0HR 26MIN)		LT G. MARTIN	TAGUE	LT MARTIN QUALIFIED PILOT TRAINING
100	6/28/62	OPAREA YY-3	32 ^o 37.7'N 117 ^o 29.5'W	4050'			LT G. MARTIN	LCDR D. KEACH	PILOT TRAINING
101	7/6/62	OPAREA VV-5	32 ^o 55.1'N 117 ^o 25.8'W	2220'	DOWN 0647 UP 0951 (3HR 4MIN)		LCDR D. KEACH	BUFFINGTON	GEOLOGICAL STUDY OF CROSS- SECTION OF LA JOLLA CANYON
102	7/13/62	OPAREA VV-5	32 ^o 53.7'N 117 ^o 23.2'W	1970'	DOWN 0905 UP 1234 (3HR 29MIN)		LT G. MARTIN	MR R. DILL	STUDY SEDIMENT DISTRIBUTION; MINOR TOPOGRAPHY OF LA JOLLA CANYON
103	7/20/62	OPAREA SS-2	32 ^o 27.7'N 117 ^o 28.5'W	4080'	DOWN 0817 UP 1201 (3HR 44MIN)		LCDR D. KEACH	BARHAM	STUDY OF DEEP SCATTERING LAYER; BIOLOGICAL NET HAUL
104	7/27/62	OPAREA VV-5	32 ^o 54.9'N 117 ^o 23.0'W	2250	DOWN 0830 UP 1201 (3HR 31MIN)		LT G. MARTIN	MR R. DILL	EXPLORE MICROTOPOGRAPHY AND SEDIMENT DISTRIBUTION INSIDE LA JOLLA CANYON. TEST HYDROPHONES FOR AGSS-555
105	8/3/62	CORONADO SUBMARINE CANYON SS-2	32 ^o 27.5'N 117 ^o 22'W	3480'	DOWN 0852 UP 1237 (3HR 45MIN)		LCDR D. KEACH	MR R. DILL	GEOLOGICAL INVESTIGATION
106	8/9/62	OPAREA YY-1	32 ^o 45.9'N 117 ^o 23.1'W	1200'	DOWN 1340 UP 1614 (2HR 34MIN)		LT G. MARTIN	HAMILTON	GEOLOGICAL OBSERVATIONS OF SUBMARINE CANYON, SERIES OF MEASUREMENTS ON AGSS-555 HYDROPHONES

Trieste Dive Log

Transcription of NMNW.2014.020.001, in the collection of the U.S. Naval Undersea Museum

107	8/19/62	OPAREA SS-2	32 ^o 34.5'N 117 ^o 25'W	2200'	DOWN 1226 UP 1528 (3HR 02MIN)	LCDR D. KEACH	MOORE	GEOLOGICAL OBSERVATIONS SHEAR VANE METER EXPERIMENTS TEST OF AGSS 555 HYDROPHONES
108	8/22/62	OPAREA YY-1	32 ^o 47.3'N 117 ^o 23.5'W	1200'	DOWN 1323 UP 1700 (3HR 37MIN)	LT G. MARTIN	HAMILTON	JOINT SEAFLOOR SOUND REFRACTION MEASUREMENTS WITH U/W NEL ACOUSTIC BRANCH
109	8/31/62	OPAREA SS-2	32 ^o 32.5'N 117 ^o 27'W	4140'	DOWN 1326 UP 1613 (3HR 17MIN)	LCDR D. KEACH	HAMILTON	SOUND ATTENUATION & REFRACTION IN SEA FLOOR SEDIMENTS; CALIBRATION OF DEEP WATER
110	9/7/62	OPAREA SS-2	32 ^o 32.0'N 117 ^o 26.1'W	4170'	DOWN 1333 UP 1643 (3HR 10MIN)	LT G. MARTIN	BARHAM	BIOLOGICAL OBSERVATIONS HYDROPHONES FOR PROJ.
111	9/12/62	OPAREA YY1-2	32 ^o 49.5'N 117 ^o 21'W	300-450	DOWN 1321 UP 1605 (2HR 44MIN)	LCDR D. KEACH	MOORE	GEOLOGICAL INVESTIGATION OF CONTINENTAL SHELF EDGE OF SOUTHERN CALIFORNIA
112	9/21/62	OPAREA SS-2	32 ^o 30.25'N 117 ^o 25.5'W	3120	DOWN 1225 UP 1525 (3HR 00MIN)	LT G. MARTIN	HAMILTON	SOUND VELOCITY & ATTENUATION MEASUREMENTS; SHEAR VANE MEASUREMENTS OF SEAFLOOR SEDIMENTS
113	10/17/62	OPAREA YY-1	32 ^o 50.5'N 117 ^o 24'W	1380'	DOWN 1300 UP 1634 (3HR 34MIN)	LCDR D. KEACH	BARHAM	OBSERVATIONS OF DEEP SCATTERING LAYER IN CONJUNCTION WITH ACOUSTIC MEAS. RADIO WAVE MEAS. AGSS-555 TRANSDUCER TEST
114	10/22/62	OPAREA YY-1	32 ^o 53.7'N 117 ^o 30.4'W	2430	DOWN 0736 UP 0933 (1HR 57MIN)	LT G. MARTIN	BUFFINGTON	GEOLOGICAL INVESTIGATION OF SUBMARINE CANYON; COSMIC RAY MEAS; VLF RECORDER; BIOLOGICAL OBSERVATIONS
115	10/31/62	OPAREA YY-1	32 ^o 47.0'N 117 ^o 28.0'W	2100'	DOWN 1327 UP 1657 (3HR 30MIN)	LCDR D. KEACH	HAMILTON	SOUND SPEED THROUGH SEDIMENT SEDIMENT SHEAR STRENGTH MEAS. LOW FREQ RADIO MEAS. MAGNETIC MEAS. COSMIC RAY MEASUREMENTS
116	/3/63	SAN DIEGO HARBOR	32 ^o 41.8'N 117 ^o 14.0'W	69'	DOWN 1535 UP 1548 (0HR 13MIN)	LCDR D. KEACH	MASON	POST OVERHAUL TESTS OF TRIESTE AND EQUIPMENT
117	5/4/63	CONTINENTAL SHELF DELMAR	32 ^o 57.3 'N 117 ^o 18.6'W	336'	DOWN 1025 UP 1331 (3HR 06MIN)	LCDR D. KEACH	BUFFINGTON BARNETT	TEST & SCIENTIFIC TOPOGRAPY OF CONTINENTAL SHELF & SLOPE
118	6/4/63	MURRAY BASIN ATLANTIC	42 ^o 32.0'N 69 ^o 51.0'W	720'	DOWN 0932 UP 1039 (1HR 7MIN)	LCDR D. KEACH	WALKER	CHECK INTEGRITY OF HULL, COMPNETS & NEW EQUIPMENT, TRAINING FOR THRESHER SEARCH GROUP

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119	6/24/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN UP 1552	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LCDR D. KEACH	MR. K. MACKENZIE U.S.N.E.L.	THRESHER SEARCH
120	6/26/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 0830 UP 1435 (6HR 05MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LT G. MARTIN	MR. K. MACKENZIE U.S.N.E.L.	THRESHER SEARCH
121	6/27/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 1146 UP 1745 (5HR 59MIN)	USS PRESERVER (ARS-9) USS FORT SNELLING (LSD-30)	LCDR D. KEACH	MR. K. MACKENZIE	THRESHER SEARCH
122	6/29/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 0755 UP 1411 (6HR 16MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LT G. MARTIN	MR. K. MACKENZIE CASH	THRESHER SEARCH
123	6/30/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 1315 UP 1800 (4HR 45MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LCDR D. KEACH	CAPT F.A. ANDREWS MR. K. MACKENZIE	THRESHER SEARCH
124	8/23/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8,500	DOWN 1400 UP 1831 (4HR 31MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LCDR D. KEACH	MR. K. MACKENZIE	THRESHER SEARCH
125	8/27/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 1443 UP 1945 (5HR 02MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LT G. MARTIN	MR. K. MACKENZIE LCDR A. GILMORE	THRESHER SEARCH
126	8/28/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 1145 UP 1815 (6HR 30MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LCDR D. KEACH	MR. K. MACKENZIE LCDR A. GILMORE	THRESHER SEARCH
127	8/29/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 1255 UP 1930 (6HR 35MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LT G. MARTIN	CDR J.W. DAVIES JAMES	THRESHER SEARCH
128	9/1/63	NORTH ATLANTIC	41 ^o 44.4'N 64 ^o 57.0'W	8500'	DOWN 1445 UP 1900 (5HR 15MIN)	USS PRESERVER (ARS-8) USS FORT SNELLING (LSD-30)	LCDR D. KEACH	LT. B. HENIFIN JAMES	THRESHER SEARCH
1-68 (1)	4/4/68	SAN CLEMENTE ISLAND		50'	3HR 40MIN	USS APACHE (ATF-67) WHITE SANDS (ARD-20)	LT M. STAEHLE	LCDR R. NEVIN J. SMITH (MINSY)	TEST DIVE
2-68 (2)	4/8/68			50'	2HR 15MIN	APACHE/WHITESANDS	LT M. STAEHLE	LCDR R. NEVIN ET1 BOWEN	TEST DIVE
3-68 (3)	4/11/68			450'	3HR 45MIN	APACHE/WHITESANDS	LCDR R. NEVIN	LT M. STAEHLE LCDR B. HENIFIN	TRAINING
4-68 (4)	4/13/68			2312'	5HR 0MIN	APACHE/WHITESANDS	LCDR R. NEVIN	LT M. STAEHLE LCDR B. HENIFIN	TRAINING

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5-68 (5)	5/13/68			4050'	3HR 40MIN	APACHE/WHITESANDS	LCDR R. NEVIN	LT M. STAEHLE LT J. FIELD	TRAINING
6-68 (6)	5/15/58			2400'	6HR 33MIN	APACHE/WHITESANDS	LT M STAEHLE	LT J. FIELD J. SMITH (MINSY)	TRAINING
7-68 (7)	5/18/68			6228'	5HR 47MIN	APACHE/WHITESANDS	LCDR R. NEVIN	LT M. STAEHLE T. TEROMINO (NAVSHIPS)	TRAINING
8-68 (8)	7/14/68			2178'	6HR 59MIN	APACHE/WHITESANDS	LT M. STAEHLE	LT A. DUNN LCDR R. NEVIN	TRAINING
9-68 (9)	7/16/68			1980'	2HR 13 MIN	APACHE/WHITESANDS	LT M. STAEHLE	LT J. FIELD LT A. DUNN	TRAINING
10-68 (10)	7/19/68			1560'	5 HR 35 MIN	APACHE/WHITESANDS	LT J. FIELD	LCDR R. NEVIN H. HEMMING (WHC)	TRAINING
11-68 (11)	7/29/68			12,720'	6HR 0MIN	APACHE/WHITESANDS	LCDR R. NEVIN	LT M. STAEHLE J. SMITH (MINSY)	TRAINING
12-68 (12)	12/12/68			4180'	4HR 22MIN	APACHE/WHITESANDS	LT J. FIELD	LT M. STAEHLE J. SMITH (MINSY)	TRAINING
13-68 (13)	12/13/68			1404'	2HR 30MIN	APACHE/WHITESANDS	LT A. DUNN	LT M. STAEHLE LCDR R. NEVIN	TRAINING
1-69 (14)	6/13/69	AZORES		10,792'	8HR 27MIN	APACHE/WHITESANDS	LT A. DUNN	LT J. FIELD LCDR R. NEVIN	SCORPION SEARCH
2-69 (15)	6/18/69	AZORES		10,998'	12HR 9MIN	APACHE/WHITESANDS	CWO L.HAWKS	LT A. DUNN LCDR R. NEVIN	SCORPION SEARCH
3-69 (16)	6/22/69	AZORES		11,110'	14HR 8MIN	APACHE/WHITESANDS	LT W. LEONARD	CWO L. HAWKS LT J. FIELD	SCORPION SEARCH
4-69 (17)	7/2/69	AZORES		11,123'	14HR 17MIN	APACHE/WHITESANDS	LT W. LEONARD	LT R. SAXON LT A. DUNN	SCORPION SEARCH
5-69 (18)	7/10/69	AZORES		11,678'	12 HR 28MIN	APACHE/WHITESANDS	LT R. SAXON	LT D. BYRNES LCDR R. NEVIN	SCORPION SEARCH
6-69 (19)	7/15/69	AZORES		11,121'	13HR 54MIN	APACHE/WHITESANDS	LT D. BYRNES	CWO L. HAWKS LCDR R. NEVIN	SCORPION SEARCH
7-69 (20)	7/18/69	AZORES		11,000'	15HR 55MIN	APACHE/WHITESANDS	CWO L. HAWKS	LT W. LEONARD LT A. DUNN	SCORPION SEARCH
8-69 (21)	7/21/69	AZORES		11,111'	14 HR 56 MIN	APACHE/WHITESANDS	LT R. SAXON	LT D. BYRNES LT J. FIELD	SCORPION SEARCH
9-69 (22)	7/31/69	AZORES		11,100'	15HR 38MIN	APACHE/WHITESANDS	LT D. BYRNES	LCDR R. NEVIN CAPT H. JACKSON	SCORPION SEARCH
	12/16/69	OVERHAUL IN SAN DIEGO							
1-70 (23)	10/27/70	SAN DIEGO	NAVSUBSUPPFAC BALLAST POINT	50'			LT R. TAYLOR	LT R. ABBOTT CWO2 L. HAWKS	TETHER DIVE
2-70 (24)	11/4/70	SAN DIEGO OPAREA		2,132'	4HR 22MIN	APACHE/WHITESANDS	LCDR W. LEONARD	LT R. SAXON MR D. JOHNSON (NAVSEA)	POST OVERHAUL SEA TRIALS
3-70 (25)	12/6/70	OFF SAN DIEGO		13,200'	4HR 58MIN	APACHE/WHITESANDS	LCDR W. LEONARD	LCDR M. BARTELS CWO2 L. HAWKS	VEHICLE CERTIFICATION
1-71 (26)	2/3/71	SAN DIEGO		4,200'	3HR 37MIN	APACHE/WHITESANDS	LCDR M. BARTELS	CWO2 L. HAWKS LT R. TAYLOR	PILOT TRAINING
2-71 (27)	6/15/71	SAN DIEGO	NAVSUBSUPPFAC BALLAST POINT	50'			LCDR M. BARTELS	LT R. TAYLOR CWO2 L. HAWKS	TETHER DIVE

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3-71(28)	6/24/71	SAN DIEGO	NAVSUBSUPPFAC BALLAST POINT	50'			LT R. TAYLOR	LCDR P. STRYKER ETC W. HOOD	TETHER DIVE
4-71 (29)	6/25/71	SAN DIEGO	NAVSUBSUPPFAC BALLAST POINT	50'			LT R. TAYLOR	LCDR P. STRYKER ICC CLINE	TETHER DIVE
5-71 (30)	7/8/71	SAN DIEGO		800'	30MIN	APACHE/WHITESANDS	LT R. TAYLOR	LCDR M. BARTELS CW02 L. HAWKS	PHOTO & PILOT TRAINING (ABORTED)
6-71 (31)	8/5/71	SAN DIEGO		4,800'	4HR 45MIN	APACHE/WHITESANDS	LT R. TAYLOR	LCDR P. STRYKER LCDR M. BARTELS	NAVNET TESTS & PILOT TRAINING
7-71 (32)	8/9/71	SAN DIEGO		4,800	4HR 57MIN	APACHE/WHITESANDS	LT R. TAYLOR	LCDR P. STRYKER LCDR M. BARTELS	SCRIPPS INSTITUTE PACKAGE RECOVERY
8-71 (33)	9/29/71	SAN DIEGO		4,200'	7HR 12MIN	APACHE/WHITESANDS	LCDR P. STRYKER	LT R. TAYLOR LCDR M. BARTELS	NAVNET TESTS & PILOT TRAINING
9-71 (34)	10/6/71	SAN DIEGO		4,400'	7HR 4MIN	APACHE/WHITESANDS	LCDR P. STRYKER	LT R. TAYLOR LCDR M. BARTELS	NAVNET TESTS & PILOT TRAINING
10-71 (35)	10/11/71	SAN DIEGO		4,400'	7HR 20MIN	APACHE/WHITESANDS	LCDR P. STRYKER	LT R. TAYLOR LCDR M. BARTELS	NAVNET TESTS & PILOT TRAINING
11-71 (36)	11/4/71	CENTRAL PACIFIC		16,400'	10HR 25MIN	APACHE/WHITESANDS	LCDR P. STRYKER	LT R. TAYLOR LCDR M. BARTELS	MPL OPS
12-71 (37)	11/30/71	CENTRAL PACIFIC		16,400'	10HR 8MIN	APACHE/WHITESANDS	LCDR M. BARTELS	LCDR P. STRYKER LT R. TAYLOR	MPL OPS
1-72 (38)	4/25/72	CENTRAL PACIFIC		16,400'	9HR 18MIN	APACHE/WHITESANDS	LCDR M. BARTELS	LCDR P. STRYKER LT R. TAYLOR	MPL OPS
2-72 (39)	7/15/72	SAN DIEGO OPAREA 2712		4,275'	6HR 45MIN	APACHE/WHITESANDS	LT R. ABBOTT	LCDR M. BARTELS LCDR P. STRYKER	F-4 SEARCH
3-72 (40)	7/18/72	SAN DIEGO OPAREA 2712		4,488	7HR 40MIN	APACHE/WHITESANDS	LT R. ABBOTT	LCDR P. STRYKER ETC W. HOOD	F-4 SEARCH
4-72 (41)	8/2/72	SAN DIEGO OPAREA 2703		4500	3HR 2MIN	APACHE/WHITESANDS	LT R. ABBOTT	ETC W. HOOD LCDR P. STRYKER	PILOT TRAINING
5-72 (42)	8/7/72	SAN DIEGO OPAREA 2712		4,130	5HR 42MIN	APACHE/WHITESANDS	ETC W. HOOD	LCDR R. ABBOTT LCDR P. STRYKER	F-4 SEARCH
6-72 (43)	8/9/72	SAN DIEGO OPAREA 2712		4,490	6HR 11MIN	APACHE/WHITESANDS	ETC W. HOOD	LCDR BARTELS LCDR R. ABBOTT	F-4 SEARCH
7-72 (44)	9/20/72	SOCAL OPAREA 2712		4,675	6HR 19MIN	APACHE/WHITESANDS	ETC W. HOOD	LCDR M. BARTELS LCDR R. ABBOTT	SEGUNDO DEBRIS SURVEY
8-72 (45)	9/23/72	SOCAL OPAREA 2712		4,525	7HR 51MIN	APACHE/WHITESANDS	LCDR M. BARTELS	LCDR P. STRYKER ETC W. HOOD	SEGUNDO DEBRIS SURVEY
9-72 (46)	9/26/72	SOCAL OPAREA 2712		4,524	4HR 57MIN	APACHE/WHITESANDS	LTJG R. BAKER	LCDR R. ABBOTT LCDR M. BARTELS	SEGUNDO DEBRIS SURVEY
10-72 (47)	12/7/72	SOCAL OPAREA 2733		4,070	1HR 20MIN	USS FLORIKAN (ASR-9)	LCDR R. ABBOTT	LCDR M. BARTELS LCDR RAETZMAN	PILOT CERTIFICATION DIVE LCDR ABBOTT QUALIFIED
1-73 (48)	1/30/73	SOCAL OPAREA 2712		4,605'	6HR 45MIN	APACHE/WHITESANDS	LTJG R. BAKER	LCDR R. ABBOTT ETC W. HOOD	F-4 SEARCH
2-73 (49)	2/2/73	SOCAL OPAREA 2713		4,639'	1HR 20MIN	APACHE/WHITESANDS	LCDR M. BARTELS	LCDR R. ABBOTT CAPT MURRILL	F-4 SEARCH ABORTED (24V BATT)
3-73(50)	5/24/73	SOCAL OPAREA 2712		4,527'	6HR 29MIN	APACHE/WHITESANDS	LTJG R. BAKER	LCDR R. WHITAKER LCDR R. ABBOTT	F-4 SEARCH
4-73 (51)	5/26/73	SOCAL OPAREA 2712		4,576'	5HR 15MIN	APACHE/WHITESANDS	LTJG R. BAKER	ETC(SS) W. HOOD LCDR R. ABBOTT	F-4 SEARCH

Trieste Dive Log

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5-73 (52)	7/29/73	NW OF SAN FRANCISCO	37 ^o 51.8' ⁿ 123 ^o 45.6' ^W	10,699'	10HR 36MIN	APACHE/WHITESANDS	LCDR R. WHITAKER	LTJG R. BAKER LCDR R. ABBOTT	TELEPROBE RECOVERY
6-73 (53)	9/20/73	SAN DIEGO		4,002'	3HR 5MIN	APACHE/WHITESANDS	LTJG R. BAKER	LCDR R. ABBOTT LCDR CAMERON	PILOT CERT DIVE LTJG BAKER QUALIFIED
7-73 (54)	10/14/73	SOCAL OPAREA 2723		4,040'	1HR 58MIN	APACHE/WHITESANDS	ETC(SS) W. HOOD	LCDR R. ABBOTT LCDR CAMERON	PILOT CERT DIVE ETC(SS) HOOD QUALIFIED
8-73 (55)		SAN DIEGO VICINITY		12,311'	4HR 8MIN	APACHE/WHITESANDS	LT L. PARSONS	LCDR R. ABBOTT EM3 HOWE	PILOT TRAINING/MANIPULATION TEST- ABORTED (120V BATT HOT SHORT)
			OVERHAUL AT MARE ISLAND NAVAL SHIPYARD, VALLEJO, CALIFORNIA						
1-75 (56)	4/25/75	NAS ALAMEDA		30'	5HR 22MIN		LTJG R. BAKER	ETCM(SS) G. ELLIS MR. RENFROW	PORT OVERHAUL TETHER DIVE
2-75 (57)	5/9/75	NAS ALAMEDA		30'	3HR 6MIN		LTJG R. BAKER	LT K. HANSON LT. L. PARSONS	FAST CRUISE & TETHER DIVE
3-75 (58)	5/14/75	NAS ALAMEDA		30'	1HR 53MIN		LTJG R. BAKER	EM1 WALKER MR. SMITH	TETHER DIVE
4-75(59)	8/16/75	SOCAL OPAREA 2733		4,004'	4HR 40MIN	USNS UTE	LCDR R. WHITAKER	ETCM G. ELLIS LT R. BAKER	SEA TRIALS
1-76 (60)	1/30/76	SAN DIEGO HARBOR	NAVSUBSUPPFAC BALLAST POINT	30'	3HR 0MIN		LCDR R. WHITAKER	ETCM G. ELLIS LT K. HANSON	TETHER DIVE
2-76 (61)	2/4/76	WEST OF SAN DIEGO	31 ^o 40.0' ^N 119 ^o 26.9' ^W	10,004'	6HR 59MIN	FLORIKAN(ASR-9)	LCDR R. WHITAKER	ETCM G. ELLIS MR. D. JOHNSON	TEST DIVE FOR SEA TRIALS (NAVSEA)
3-76 (62)	2/20/76	SOCAL OPAREA 2733	32 ^o 32.5' ^N 117 ^o 31.3' ^W	3,985'	5HR 57MIN	USS FLORIKAN (ASR-9)	LCDR R. WHITAKER	ETCM G. ELLIS LT K. HANSON	SH-3A HELO SEARCH
4-76 (63)	3/30/76	OFF LA JOLLA	32 ^o 46.5' ^N 117 ^o 33.0' ^W	2,502'	8HR 26MIN	USS HITCHITI (ATF-103)	LCDR R. WHITAKER	ETCM G. ELLIS LCDR R. WAER	PILOT QUAL LCDR WHITAKER & ETCM (SS) ELLIS QUALIFIED
5-76 (64)	5/10/76	SOCAL OPAREA 2733	32 ^o 32.7' ^N 117 ^o 31.3' ^W	3,947'	4HR 38MIN	USS MATACO (ATF-86)	LCDR R. WHITAKER	LCDR J. NEWELL LT K. HANSON	SH-3A HELO SEARCH
6-76 (65)	5/13/76	SOCAL OPAREA 2733	32 ^o 32.7' ^N 117 ^o 31.3' ^W	3,950'	11HR 25MIN	USS CHOWANOC (ATF-100)	ETCM (SS) G. ELLIS	LCDR J. NEWELL LT K. HANSON	SH-3A HELO SEARCH
7-76 (66)	5/26/76	SOCAL OPAREA 2733	32 ^o 32.7' ^N 117 ^o 31.3' ^W	3,956'	10HR 00MIN	USS FLORIKAN (ASR-9)	LCDR J. NEWELL	CDR DOYLE LCDR R. WHITAKER	HELO SEARCH/PILOT QUAL FOUND HELO, LCDR NEWALL QUALIFIED

Trieste Dive Log

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8-76 (67)	8/24/76	OFF ENSENADA MEXICO	31 ^o 59.6'N 117 ^o 05.0'W	4,163'	10HR 8MIN	MAXINE D.	LCDR J. NEWELL	ETCM G. ELLIS ADJC TURDEVICH	RECOVER F-14 DEBRIS
9-76 (68)	8/28/76	OFF ENSENADA MEXICO	31 ^o 59.6'N 117 ^o 05.0'W	3,310'	9HR 32MIN	MAXINE D.	LCDR J. NEWELL	ETCM G. ELLIS ADJC TURDEVICH	RECOVER F-14 DEBRIS
10-76 (69)	11/18/76	SOCAL OPAREA 2733	32 ^o 30.0'N 117 ^o 29.8'W	3,946'	11HR 55MIN	MAXINE D.	LCDR J. NEWELL	ETC J. SCALES LT K. HANSON	RECOVER TRANSPONDERS SEA TRIALS/PILOT TRAINING
11-76 (70)	11/22/76	SOCAL OPAREA 2733	32 ^o 33.9'N 117 ^o 31.0'W	3,960'	11HR 29MIN	MAXINE D.	LT K. HANSON	ETC J. SCALES LCDR J. NEWELL	RELOCATE HELO (SH-3A)
12-76 (71)	11/30/76	SOCAL OPAREA 2733	32 ^o 32.8'N 117 ^o 31.1'W	3,920'	15HR 9MIN	FLORIKAN(ASR-9)	LT K.W. HANSON	ETC J. SCALES LCDR J. NEWELL	HELO RECOVERY & PILOT TRAINING (MAIN ROTOR ASSY & TRANSMISSION RECOVERED)
13-76 (72)	12/3/76	SOCAL OPAREA 2733	32 ^o 32.8'N 117 ^o 31.1'W	3,926'	12HR 54MIN	FLORIKAN(ASR-9)	ETC J. SCALES	LCDR J. NEWELL LT HANSON	HELO RECOVERY & PILOT TRAINING (TAIL ROTOR ASSY RECOVERED)
1-77 (73)	1/11/77	OFF ENSENADA MEXICO	31 ^o 59.3'N 117 ^o 05.1'W	3,292'	13HR 42MIN	MAXINE D.	LT K. HANSON	EN1 SMITH LCDR K. NEWELL	RECOVERY OF NAVNET TRANSPONDERS
2-77 (74)	1/24/77	SOCAL OPAREA 2733	32 ^o 30.6'N 117 ^o 31.2'W	3994'	12HR 31MIN	FLORIKAN (ASR-9)	LCDR J. NEWELL	ETCM G. ELLIS ETC SCALES	RECOVERY OF NAVNET TRANSPONDERS
3-77 (75)	1/27/77	SOCAL OPAREA 2733	32 ^o 32.8'N 117 ^o 31.1'W	3975'	13HR 49MIN	FLORIKAN (ASR-9)	LT K. HANSON	CAPT C. LARSON LCDR J. NEWELL	PILOT CERT DIVE LT HANSON QUALIFIED
4-77 (76)	2/19/77	WEST OF CATALINA ISLAND	33 ^o 13.0'N 118 ^o 32.5'W	4,073'	10HR 15MIN	USS POINT LOMA (ADGS-2)	LT K. HANSON	ETCM ELLIS LT T. VETTER	FIRST DIVE FROM POINT LOMA (ADGS-S)/PILOT TRAINING
5-77 (77)	4/20/77	NW OF SAN FRANCISCO	36 ^o 17.0'N 132 ^o 44.0'W	17,246'	9HR 7MIN	USS POINT LOMA (ADGS-2)	LCDR J. NEWELL	ETCM G. ELLIS LT K. HANSON	18K CERTIFICATION DIVE
6-77 (78)	6/23/77	CAYMAN TRENCH	18 ^o 39.4'N 81 ^o 45.6'W	20,200'	9HR 59MIN	USS POINT LOMA (ADGS-2)	LCDR J. NEWELL	ETCM G. ELLIS DR. R. BALLARD (WHOI)	GEOLOGICAL RESEARCH IN PLATE TECTONICS

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7-77 (79)	7/3/77	CAYMAN TRENCH	18 ^o 12.5'N 81 ^o 42.7'W	19,310'	16HR35MIN	USS POINT LOMA (ADGS-2)	LT K. HANSON	EMC (SS) L. PORTER DR. R. BALLARD (WHOI)	GEOLOGICAL RESEARCH IN PLATE TECTONICS
8-77 (80)	7/14/77	CAYMAN TRENCH	18 ^o 31.5'N 81 ^o 47.0'W	15,750'	3HR 16MIN	USS POINT LOMA (ADGS-2)	LCDR J. NEWELL	ETCM (SS) G. ELLIS DR. R. BALLARD (WHOI)	GEOLOGICAL RESEARCH IN PLATE TECTONICS (ABORTED WHEN FWD P & T STRUCK CLIFF DURING LANDING)
9-77 (81)	8/7-8/77	NORTH ATLANTIC		8300'	18HR 37MIN	USS POINT LOMA (ADGS2)	LCDR J. K. NEWELL	LT K. HANSON DR. J. LOSEE (NOSC)	1977 SURVEY OPERATIONS
10-77 (82)	8/12-13/77	NORTH ATLANTIC		8300'	20HR18MIN	USS POINT LOMA (ADGS2)	LT K.W. HANSON	ETCM (SS) G.G. ELLIS DR. J. LOSEE (NOSC)	1977 SURVEY OPERATIONS
11-77 (83)	8/19-20/77	NORTH ATLANTIC		9100'	14HR29MIN	USS POINT LOMA (ADGS2)	LCDR J. NEWELL	EMC (SS) L. PORTER DR. S.WILLIAMS (NAVSEA)	1977 SURVEY OPERATIONS
12-77 (84)	9/20-21/77	BLAKE BAHAMA PLATEAU	28 ^o 21.2'N 74 ^o 13.3'W	15,100'	15HR 42MIN	USS POINT LOMA (ADGS-2)	LCDR J.K. NEWELL	LT C.L. PARSONS MR. ROGER FLOOD (W.H.O.I.)	GEOLOGICAL INVESTIGATION OF ABYSSAL FURROWS IN DEEP OCEAN SEDIMENT
13-77 (85)	9/23-24/77	BLAKE BAHAMA PLATEAU	28 ^o 20'N 74 ^o 12.7'W	15,130'	17HR 07MIN	USS POINT LOMA (ADGS-2)	LT K.W. HANSON	EMS (SS) L. PORTER MR. ROGER FLOOD (W.H.O.I.)	GEOLOGICAL INVESTIGATION OF ABYSSAL FURROWS IN DEEP OCEAN SEDIMENT
14-77 (86)	9/26/77	BLAKE BAHAMA PLATEAU	28 ^o 38.0'N 75 ^o 25.0'W	14,159'	4 HR 45 MIN	USS POINT LOMA (ADGS-2)	ETCM (SS) G.G. ELLIS	LT C.L. PARSONS MR. ROGER FLOOD (W.H.O.I.)	GEOLOGICAL INVESTIGATION OF TRIANGULAR RIPPLES
15-77 (87)	9/27-28/77	BLAKE BAHAMA PLATEAU	28 ^o 38.0'N 75 ^o 25.0'W	16,446'	12HR 24MIN	USS POINT LOMA (ADGS-2)	ETCM (SS) G.G. ELLIS	EMC (SS) L.J. PORTER MR. ROGER FLOOD (W.H.O.I.)	GEOLOGICAL INVESTIGATION OF TRIANGULAR RIPPLES
16-77 (88)	10/1-2/77	BLAKE BAHAMA PLATEAU		15073'	17:08	USS POINT LOMA (ADGS-2)	LCDR J. K. NEWELL	LT K.W. HANSON MR. ROGER FLOOD (W.H.O.I.)	GEOLOGICAL INVESTIGATION OF ABYSSAL FURROWS/CAMERA RECOVERY
17-77 (89)	15-16 OCT 77	PUERTO RICO TRENCH	19 ^o 03.0'N 067 ^o 18.9'W	19,924'	16 hr 41min	USS POINT LOMA (ADGS-2)	LCDR J. K. NEWELL	LT C.L. PARSONS MR. R.P. FREEMAN-LYNDE (L.D.G.O.)	GEOLOGICAL INVESTIGATION OF MONA CANYON, PUERTO RICO TRENCH
18-77 (90)	20-21 OCT 77	PUERTO RICO TRENCH	20 ^o 26.9'N 068 ^o 44.6'W	16,597'	14hr 17min	USS POINT LOMA (ADGS-2)	LT K.W. HANSON	ETCM (SS) G.G. ELLIS MR. M. RAWSON (L.D.G.O.)	GEOLOGICAL INVESTIGATION OF NORTH FACE NAVIDAD BANK
19-77 (91)	23-24 OCT 77	PUERTO RICO TRENCH	20 ^o 21.5'N 068 ^o 39.4'W	16,424'	12hr 34min	USS POINT LOMA (ADGS-2)	LCDR J. K. NEWELL	EMC (SS) L.J. PORTER MR. R.P. FREEMAN-LYNDE (L.D.G.O.)	GEOLOGICAL INVESTIGATION OF EAST FACE NAVIDAD BANK
20-77 (92)	28-29 OCT 77	PUERTO RICO TRENCH	19 ^o 41.2'N 068 ^o 28.4'W	20,000'	21hr 33min	USS POINT LOMA (ADGS-2)	LT K.W. HANSON	ETCM (SS) G.G. ELLIS MR. R.P. FREEMAN-LYNDE (L.D.G.O.)	GEOLOGICAL INVESTIGATION OF SOUTH FACE NAVIDAD BANK

Trieste Dive Log

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1-78 (93)	26-27 FEB 78	SOCAL OPAREA	32 ^o 14'N 120 ^o 46'W	11,945'	11hr. 11min.	USS POINT LOMA (ADGS-2)	LT C.L. PARSONS	EMC PORTER LT T. VETTER	PILOT TRAINING VEHICLE CHECKOUT
2-78 (94)	24 MAR 78	SOCAL OPAREA	31 ^o 32.3'N 124 ^o 55.8'W	13,297'	13 hr. 39 min.	USS POINT LOMA (ADGS-2)	LT C.L. PARSONS	EMC PORTER LT W. BERES	DOT RECOVERY
3-78 (95)	31 JUL 78	SOCAL OPAREA	32 ^o 57'N 118 ^o 20'W	3,848'	4 hr. 8 min.	USS POINT LOMA (ADGS-2)	EMC L.J. PORTER	LT C.L. PARSONS LT. T. VETTER	VEHICLE CHECKOUT CERTIFICATION DIVE FOR EMS (SS) PORTER
4-78 (96)	29 AUG 78	MIDWAY ISL.	28 ^o 40'N 177 ^o 35'W	15,500'	10 hr. 29 min.	USS POINT LOMA (ADGS-2)	LT T.G. VETTER	LT W. BERES LT C. PARSONS	DOT RECOVERY CERTIFICATION DIVE FOR LT VETTER
1-79 (97)	25-26 APR 79	SOCAL OPAREA	33 ^o 19'N 118 ^o 09'W	2,640'	6 hr. 40 min.	USS POINT LOMA (ADGS-2)	LT C.L. PARSONS	LT J DENZIGN ETC SCALES	PILOT TRAINING
2-79 (98)	30 APR 79	SOCAL OPAREA	32 ^o 58.5'N 118 ^o 22.7'W	3,184'	5 hr. 41 min.	USS POINT LOMA (ADGS-2)	LT W.J. BERES	LCDR PARSON CAPT C.R. MACVEAN	PILOT TRAINING
3-79(99)	12 MAY 79	SOCAL OPAREA	33 ^o 57.5'N 118 ^o 22'W	3,831'	7 hr. 12 min.	USS POINT LOMA (ADGS-2)	LT W.J. BERES	LCDR PARSONS CW04 THARP	CERTIFICATION DIVE FOR LT BERES
4-79 (100)	16-17 MAY 79	SOCAL OPAREA	31 ^o 42.5'N 119 ^o 52'W	12,685'	8 hr. 34 min.	USS POINT LOMA (ADGS-2)	LT J.R. DENZIEN	LCDR PARSONS ETCS SCALES	PILOT TRAINING VEHICLE CHECKOUT
5-79 (101)	1 AUG 79	ATLANTIC		12,000'	9 hr. 47 min.	USS POINT LOMA (ADGS-2)	CW04 B.P. THARP	LCDR PARSONS J. LOSEE	1979 SEAFLOOR SURVEY
6-79 (102)	5 AUG 79	ATLANTIC		9338'	12 hr. 54 min.	USS POINT LOMA (ADGS-2)	LT J.R. DENZIEN	ETCS SCALES EM2 LAMPHAM	1979 SEAFLOOR SURVEY
7-79 (103)	27-28 AUG 79	ATLANTIC		11,307'	24 hr. 44min.	USS POINT LOMA (ADGS-2)	CW04 B.P. THARP	LCDR PARSONS J. LOSEE	1979 SEAFLOOR SURVEY LONGEST DIVE
8-79 (104)	31 AUG-1 SEP 79	ATLANTIC		11,400'	17 hr. 5 min.	USS POINT LOMA (ADGS-2)	LT J.R. DENZIEN	ETCS SCALES C. SACHSE	1979 SEAFLOOR SURVEY
9-79 (105)	5 SEP 79	ATLANTIC		5,500'	1 hr. 25 min.	USS POINT LOMA (ADGS-2)	LCDR C.L. PARSONS	CW04 THARP S. WILLIAMS	1979 SEAFLOOR SURVEY (ABORTED)
10-76 (106)	11 SEP 79	ATLANTIC		11,300'	20 hr. 18 min.	USS POINT LOMA (ADGS-2)	CW04 B.P. THARP	LCDR PARSONS S. WILLIAMS	1979 SEAFLOOR SURVEY
11-79 (107)	19 OCT 79	ATLANTIC		4,943'	19 hr. 10 min.	USS POINT LOMA (ADGS-2)	LT J.R. DENZIEN	LCDR PARSONS ET2 WILCKEN	1979 SEAFLOOR SURVEY

Trieste Dive Log

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1-80 (108)	4 FEB 80	SOCAL OPAREA	31 ^o 48' ^N 117 ^o 21' ^W	4,821'	10 hr. 33 min.	USS POINT LOMA (ADGS-2)	CW04 B.P. THARP	LCDR PARSONS LT DENZIEN	PILOT TRAINING
2-80(109)	14 MAR 80	SOCAL OPAREA	32 ^o 21' ^N 117 ^o 51' ^W	6,270'	2 hr. 43 min.	USS POINT LOMA (ADGS-2)	CW04 B.P. THARP	LCDR PARSONS LT LESTER	CERTIFICATION DIVE FOR CW04 THARP
3-80 (110)	14 APR 80	ACAPULCO, MX	15 ^o 55' ^N 99 ^o 00' ^W	16,141'	16 hr. 42 min.	USS POINT LOMA (ADGS-2)	LT J.R. DENZIEN	LCDR PARSONS P. LONSDALE	CERTIFICATION DIVE FOR LT DENZIEN GEOLOGICAL EXPLORATION OF MID-AMERICA TRENCH
4-80 (111)	19-20 APR 80	ACAPULCO, MX	15 ^o 55' ^N 99 ^o 00' ^W	15,540'	17 hr. 14 min.	USS POINT LOMA (ADGS-2)	LT D.M. LESTER	CW04 THARP P. LONSDALE	GEOLOGICAL EXPLORATION OF MID-AMERICA TRENCH
5-80 (112)	11 JUN 80	SOCAL OPAREA	33 ^o 19' ^N 118 ^o 09' ^W	2,600'	2 hr. 58 min.	USS POINT LOMA (ADGS-2)	LT D.M. LESTER	LT DENZIEN ET2 YERMAKOV	PILOT TRAINING VEHICLE CHECKOUT
6 80	24-26 JUL 80	19^o 19'^N 156^o 19'^W SOCAL OPAREA	19 ^o 36' ^N 156 ^o 19' ^W	15,150'	17 hr 28 min	USS POINT LOMA (ADGS-2)	LT D.M. LESTER	LCDR PARSONS MM3(SS) D'ANIELLO	PILOT TRAINING RUNS SEARCH
7 80	6 AUG 80	CLASSIFY	CLASSIFIED	15,856 FT	17 hr 43min	USS POINT LOMA	LT LESTER	MMC REAN CW04 THARP	SEAFLOOR SURVEY
8 80	9 AUG 80	CLASSIFY	CLASSIFIED	15,750 FT	16 HR 11MIN	USS POINT LOMA	LCDR PARSONS	MM2 SMITH CW04 THARP	SEAFLOOR SURVEY
9 80	12 AUG 80	CLASSIFY	CLASSIFIED	13,623	14HR 18MIN	USS POINT LOMA	LCDR PARSONS	CW04 THARP MMC REAN	SEAFLOOR SURVEY
10 80	15 AUG 80	CLASSIFY	CLASSIFIED	13,383	11 HR 4 MIN	USS POINT LOMA	CW04 THARP	MMC REAN R. BALLARD (WHOI)	SEAFLOOR SURVEY

LAST PAGE IS ORGANIZED WITH DIFFERENT COLUMNS

Dive No.	Date	Location	Depth (Ft)	Mission	Duration	Pilot	Co-Pilot	Navigator
1-81	5FEB81	SOCAL OPAREA	2,200 FT	Pilot Training	90 MIN.	LCDR PARSONS	CW04 THARP	ETC (SS) HART
2-81	9JUL81	SOCAL OPAREA	5,700 FT	Pilot Training	5 HRS 46 MIN	CW04 THARP	ETC (SS) HART	LCDR PARSONS
3-81	15DEC81	SOCAL OPAREA	3,600 FT	Pilot Training	4 HRS 31 MIIN	CW04 THARP	ETC (SS) HART	LCDR PARSONS
1-82	28MAY82	San Clemente	3,600 FT	Pilot Training	3 HRS, 02 MIN	LCDR PARSONS	LCDR BAKER	ETCS (SS) HART
2-82	31MAY82	San Clemente	4,200 FT	Pilot Training	4 HRS, 01 MIN	CW04 THARP	SKC (SS) BERG	ET1 (SS) CENTEK
3-82	4JUN82	San Clemente	4,000 FT	Pilot Training	2 HRS, 50 MIN	CW04 THARP	EM2 (SS)MOORE	MM2 (SS) SMITH
4-82	5JUN82	San Clemente	4,100 FT	Pilot Training	2 HRS, 22 MIN	CW04 THARP	MMC (SS) REAN	MMC (SS) WINKELMAN
5-82	7JUN82	San Clemente	3,870 FT	Pilot Training	2 HRS, 45 MIN	CW04 THARP	EMCS (SS) MAGDALUYO	EM1 (SS) GARCIA
6-82	10DEC82	SOCAL OPAREA	4,160 FT	Pilot Training	4 HRS, 08 MIN	LCDR BAKER	CW04 THARP	ETCS (SS) HART
1-83	12AUG83	SOCAL OPAREA	4,300 FT	Pilot Training	4 HRS, 50 MIN	CW04 THARP	ETCS (SS) HART	MMC (SS) REAN

Trieste Dive Log

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2-83	1OCT83	San Clemente	4,060 FT	Cert Dive ICOREAN Hydrophone Recover	5 HRS, 50 MIN	CW04 THARP	MMC (SS) REAN	IC1 (SS) MANN
3-83	7OCT83	San Clemente	4,020 FT	Hydrophone Recovery	3 HRS, 10 MIN	CW04 THARP	ET1 (SS) RICHARD	MM2 (SS) HAISAN