

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA
(Issued February 1988)

RECIPROCAL TRANSMISSION EXPERIMENT
(RTEX87MV)

San Diego, California (2 May 1987)
to
Honolulu, Hawaii (26 May 1987)

R/V Melville

Chief Scientist - P. Worcester (SIO)

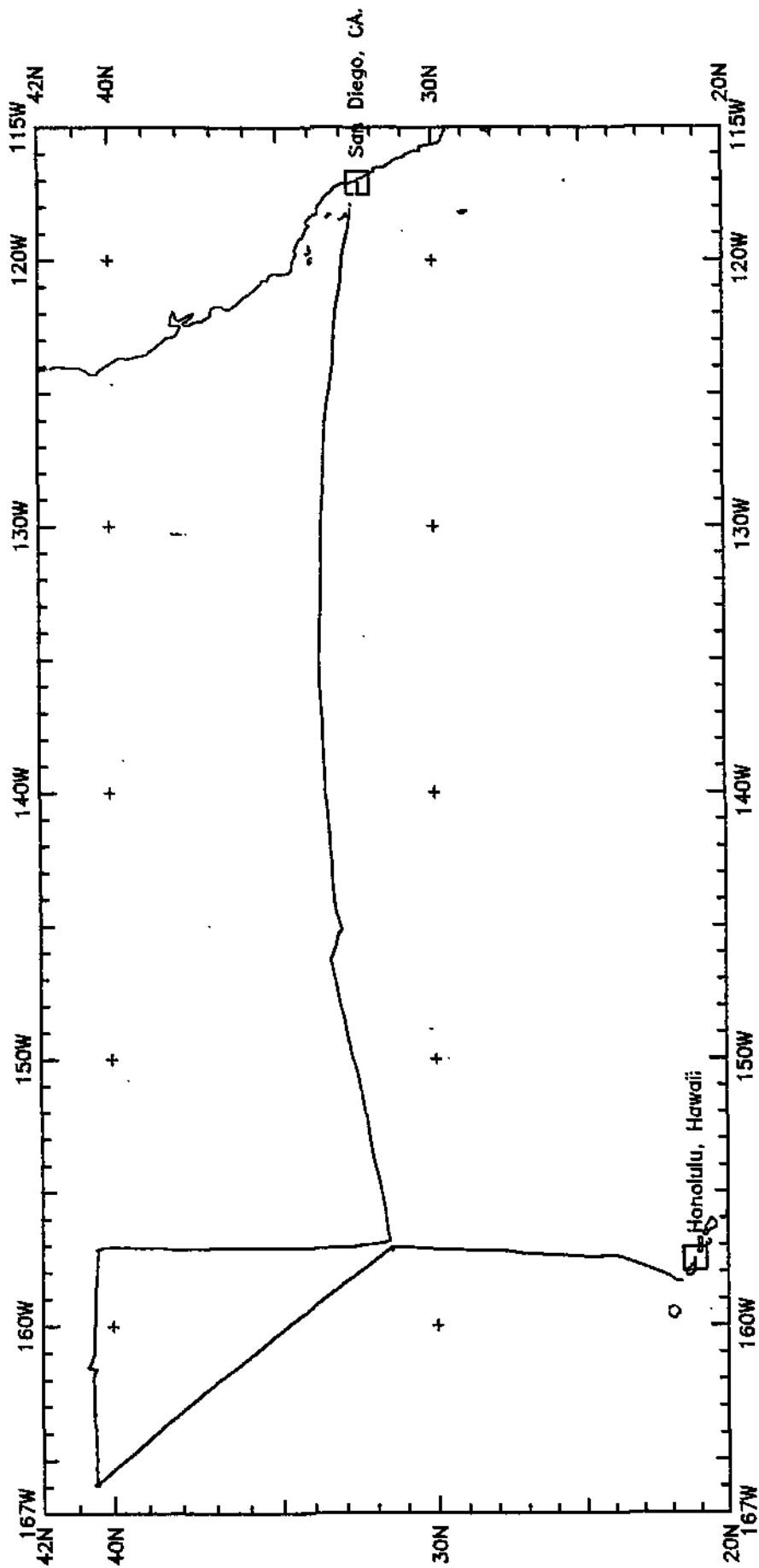
Resident Marine Technician - D. Muus

Post-Cruise Processing and Report Preparation
by Geological Data Center, Scripps Institution of Oceanography

Data Collection and Processing Funded by NSF OCE87-02835
and ONR Navy-0217

NOTE: This is an index of underway geophysical data edited and processed after the completion of the cruise leg and is intended primarily for informal use within the institution. This document is not to be reproduced or distributed outside Scripps without prior approval of the chief scientist or the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

GDC Cruise I.D.# 236



Reciprocal Transmission Experiment (RTEX87MV)

**** PORTS ****

1500 020587	LGPT B SAN DIEGO, CALIF	32-400N 117-571W sRTEX87MV
1800 260587	LGPT E HONOLULU, HAWAII	21-384N 158-214W sRTEX87MV

****PERSONNEL****

	NAME	***TITLE***	***AFFILIATION***	**GRID**
PECS IGP	WORCESTER, P.	CHIEF SCIENTIST	SCRIPPS INSTITUTION	RTEX87MV
PESP IGP	ABBOTT, S.	DEV TECHNICIAN	SCRIPPS INSTITUTION	RTEX87MV
PESP PRC	GUOLIANG, J.	SCIENTIST	PEOPLES REPUB.CHINA	RTEX87MV
PESP IGP	HARDY, K.	ENGINEER	SCRIPPS INSTITUTION	RTEX87MV
PESP IGP	HORWITT, D.	PROGRAMMER	SCRIPPS INSTITUTION	RTEX87MV
PESP WHO	KEMP, J.	RESEARCH ASST	WOODS HOLE OCEAN.INS.	RTEX87MV
PESP IGP	PECKHAM, D.	ENGINEER	SCRIPPS INSTITUTION	RTEX87MV
PEET IGP	TRUESDALE, R.	ELECTRONIC TECH	SCRIPPS INSTITUTION	RTEX87MV
PECT STS	BOUCHARD, G.	COMPUTER TECH	SCRIPPS INSTITUTION	RTEX87MV
PERT PCF	MUUS, D.	RESIDENT TECH	SCRIPPS INSTITUTION	RTEX87MV

****NOTES****

↓ 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO
 #SAMPLE OR DATA RECOVERED. A 'C' INDICATES CONTINUATION OF DATA COLLECTION
 #FROM BEFORE THE BEGINNING OR AFTER THE END OF A PARTICULAR LEG. (MOORED
 #BOTTOM INSTRUMENTS, FOR EXAMPLE.) THE NUMBER APPEARING IN THE COLUMNS
 #BETWEEN THE SAMPLE IDENTIFIER AND THE DISPOSITION CODE, FOR MANY SAMPLE
 #ENTRIES, IS THE WATER DEPTH IN CORRECTED METERS. POSITIONS ARE IN TENTHS
 #OF MINUTES.

#GMT #TIME #	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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*** EXPENDABLE BATHY THERMOGRAPHS ***

1919	020587		BTXP	XBT	1			NOA 32-402N 117-594W sRTEX87MV
0205	030587		BTXP	XBT	2			NOA 32-478N 119-031W sRTEX87MV
1355	030587		BTXP	XBT	3			NOA 33-013N 121-023W sRTEX87MV
0209	040587		BTXP	XBT	4			NOA 33-139N 123-188W sRTEX87MV
1358	040587		BTXP	XBT	5			NOA 33-272N 125-348W sRTEX87MV
0155	050587		BTXP	XBT	6			NOA 33-333N 128-042W sRTEX87MV
1453	050587		BTXP	XBT	7			NOA 33-396N 130-518W sRTEX87MV
0249	060587		BTXP	XBT	8			NOA 33-422N 133-323W sRTEX87MV
1450	060587		BTXP	XBT	9			NOA 33-416N 136-112W sRTEX87MV
0253	070587		BTXP	XBT	10			NOA 33-345N 138-508W sRTEX87MV
1549	070587		BTXP	XBT	11			NOA 33-259N 141-412W sRTEX87MV
0357	080587		BTXP	XBT	12			NOA 33-148N 144-228W sRTEX87MV
2102	080587		BTXP	XBT	13			NOA 33-216N 146-278W sRTEX87MV
0347	090587		BTXP	XBT	14			NOA 33-091N 147-440W sRTEX87MV
0359	100587		BTXP	XBT	15			NOA 32-203N 151-566W sRTEX87MV
1654	100587		BTXP	XBT	16			NOA 31-586N 154-154W sRTEX87MV
0439	110587		BTXP	XBT	17			NOA 31-386N 156-232W sRTEX87MV
0742	110587		BTXP	XBT	18	T5(PW-1)		IGP 31-348N 156-511W sRTEX87MV
1018	110587		BTXP	XBT	19	T7(PW-2)		IGP 31-550N 156-569W sRTEX87MV
1246	110587		BTXP	XBT	20	T7(PW-3)		IGP 32-172N 156-592W sRTEX87MV
1508	110587		BTXP	XBT	21	T7(PW-4)		IGP 32-381N 157-031W sRTEX87MV
1732	110587		BTXP	XBT	22	T7(PW-5)		IGP 33-008N 157-046W sRTEX87MV
1946	110587		BTXP	XBT	23	T7(PW-6)		IGP 33-240N 157-051W sRTEX87MV
2200	110587		BTXP	XBT	24	T5(PW-7)		IGP 33-455N 157-063W sRTEX87MV
0014	120587		BTXP	XBT	25	T7(PW-8)		IGP 34-072N 157-068W sRTEX87MV
0228	120587		BTXP	XBT	26	T7(PW-9)		IGP 34-314N 157-066W sRTEX87MV
0438	120587		BTXP	XBT	27	T7(PW-10)		IGP 34-547N 157-059W sRTEX87MV
0501	120587		BTXP	XBT	28	T7(PW-10.1)		IGP 34-590N 157-057W sRTEX87MV
0644	120587		BTXP	XBT	29	T7(PW-11)		IGP 35-148N 157-051W sRTEX87MV
0843	120587		BTXP	XBT	30	T7(PW-12)NG		IGP 35-362N 157-053W sRTEX87MV
0858	120587		BTXP	XBT	31	T7(PW-12.1)		IGP 35-391N 157-055W sRTEX87MV
1518	120587		BTXP	XBT	32	T5(PW-13)		IGP 35-587N 157-056W sRTEX87MV
1727	120587		BTXP	XBT	33	T7(PW-14)		IGP 36-196N 157-054W sRTEX87MV
1930	120587		BTXP	XBT	34	T7(PW-15)		IGP 36-448N 157-060W sRTEX87MV
2128	120587		BTXP	XBT	35	T7(PW-16)		IGP 37-066N 157-070W sRTEX87MV
2329	120587		BTXP	XBT	36	T7(PW-17)		IGP 37-282N 157-074W sRTEX87MV
0314	130587		BTXP	XBT	37	T7(PW-18)		IGP 37-522N 157-079W sRTEX87MV
0532	130587		BTXP	XBT	38	T5(PW-19)		IGP 38-146N 157-075W sRTEX87MV
0747	130587		BTXP	XBT	39	T7(PW-20)		IGP 38-364N 157-047W sRTEX87MV

#GMT #TIME #	DMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1002	130587		BTXP	XBT 40 T7(PW-21)	IGP	38-575N	157-046W	sRTEX87MV
1022	130587		BTXP	XBT 41 T7(PW-21.1)	IGP	39-006N	157-045W	sRTEX87MV
1222	130587		BTXP	XBT 42 T7(PW-22)	IGP	39-190N	157-042W	sRTEX87MV
1437	130587		BTXP	XBT 43 T7(PW-23)	IGP	39-390N	157-039W	sRTEX87MV
1649	130587		BTXP	XBT 44 T7(PW-24)	IGP	39-590N	157-039W	sRTEX87MV
1906	130587		BTXP	XBT 45 T5(PW-25)	IGP	40-203N	157-055W	sRTEX87MV
0718	150587		BTXP	XBT 46 T7(PW-25A)	IGP	40-255N	157-076W	sRTEX87MV
1017	150587		BTXP	XBT 47 T7(PW-26)	IGP	40-285N	157-459W	sRTEX87MV
1153	150587		BTXP	XBT 48 T7(PW-27)	IGP	40-290N	158-078W	sRTEX87MV
1355	150587		BTXP	XBT 49 T7(PW-28)	IGP	40-308N	158-370W	sRTEX87MV
1554	150587		BTXP	XBT 50 T7(PW-29)	IGP	40-313N	159-052W	sRTEX87MV
1805	150587		BTXP	XBT 51 T7(PW-30)	IGP	40-316N	159-327W	sRTEX87MV
2014	150587		BTXP	XBT 52 T5(PW-31)	IGP	40-332N	160-072W	sRTEX87MV
2219	150587		BTXP	XBT 53 T7(PW-32)	IGP	40-331N	160-364W	sRTEX87MV
0021	160587		BTXP	XBT 54 T7(PW-33)	IGP	40-348N	161-055W	sRTEX87MV
0213	160587		BTXP	XBT 55 T5(PW-34)	IGP	40-442N	161-332W	sRTEX87MV
0823	160587		BTXP	XBT 56 T7(PW-35)NG	IGP	40-347N	162-045W	sRTEX87MV
0036	160587		BTXP	XBT 57 T7(PW-35.1)	IGP	40-345N	162-076W	sRTEX87MV
0023	160587		BTXP	XBT 58 T7(PW-36)	IGP	40-336N	162-335W	sRTEX87MV
1227	160587		BTXP	XBT 59 T7(PW-37)	IGP	40-329N	163-033W	sRTEX87MV
1428	160587		BTXP	XBT 60 T7(PW-38)	IGP	40-326N	163-320W	sRTEX87MV
1625	160587		BTXP	XBT 61 T7(PW-39)	IGP	40-322N	164-003W	sRTEX87MV
1833	160587		BTXP	XBT 62 T7(PW-40)	IGP	40-313N	164-337W	sRTEX87MV
2030	160587		BTXP	XBT 63 T7(PW-41)	IGP	40-308N	165-019W	sRTEX87MV
2223	160587		BTXP	XBT 64 T7(PW-42)	IGP	40-311N	165-302W	sRTEX87MV
0013	170587		BTXP	XBT 65 T7(PW-43)	IGP	40-311N	165-569W	sRTEX87MV
0629	180587		BTXP	XBT 66 T5(PW-44)	IGP	40-289N	165-552W	sRTEX87MV
1331	180587		BTXP	XBT 67 T7(PW-45)	IGP	40-128N	165-361W	sRTEX87MV
1545	180587		BTXP	XBT 68 T7(PW-46)	IGP	39-548N	165-143W	sRTEX87MV
1748	180587		BTXP	XBT 69 T7(PW-46)	IGP	39-369N	164-562W	sRTEX87MV
1953	180587		BTXP	XBT 70 T7(PW-47)	IGP	39-188N	164-376W	sRTEX87MV
2156	180587		BTXP	XBT 71 T7(PW-48)	IGP	39-020N	164-185W	sRTEX87MV
0142	190587		BTXP	XBT 72 T5(PW-49)	IGP	38-454N	163-594W	sRTEX87MV
0344	190587		BTXP	XBT 73 T7(PW-50)	IGP	38-269N	163-403W	sRTEX87MV
0538	190587		BTXP	XBT 74 T7(PW-51)	IGP	38-090N	163-220W	sRTEX87MV
0733	190587		BTXP	XBT 75 T7(PW-52)	IGP	37-517N	163-037W	sRTEX87MV
1404	190587		BTXP	XBT 76 T7(PW-53)	IGP	37-318N	162-436W	sRTEX87MV
1555	190587		BTXP	XBT 77 T7(PW-54)	IGP	37-167N	162-267W	sRTEX87MV
1805	190587		BTXP	XBT 78 T5(PW-55)	IGP	36-582N	162-079W	sRTEX87MV
2009	190587		BTXP	XBT 79 T7(PW-56)	IGP	36-404N	161-499W	sRTEX87MV
2208	190587		BTXP	XBT 80 T7(PW-57)	IGP	36-221N	161-339W	sRTEX87MV
0007	200587		BTXP	XBT 81 T7(PW-58)	IGP	36-055N	161-161W	sRTEX87MV
0008	200587		BTXP	XBT 82 T7(PW-59)	IGP	35-461N	160-581W	sRTEX87MV
0010	200587		BTXP	XBT 83 T7(PW-60)	IGP	35-283N	160-400W	sRTEX87MV
0818	200587		BTXP	XBT 84 T5(PW-61)	IGP	35-096N	160-217W	sRTEX87MV
1021	200587		BTXP	XBT 85 T7(PW-62)	IGP	34-523N	160-053W	sRTEX87MV
1223	200587		BTXP	XBT 86 T7(PW-63)	IGP	34-351N	159-494W	sRTEX87MV
1823	200587		BTXP	XBT 87 T7(PW-63.1)	IGP	34-200N	159-358W	sRTEX87MV
1852	200587		BTXP	XBT 88 T7(PW-64)	IGP	34-157N	159-318W	sRTEX87MV
2056	200587		BTXP	XBT 89 T7(PW-65)	IGP	33-574N	159-147W	sRTEX87MV

#GMT #TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2300	200587		BTXP	XBT 90 T7(PW-66)	IGP	33-393N	158-582W	sRTEX87MV
0524	210587		BTXP	XBT 91 T5(PW-68)	IGP	33-023N	158-242W	sRTEX87MV
0834	210587		BTXP	XBT 92 T7(PW-69)	IGP	32-439N	158-098W	sRTEX87MV
1041	210587		BTXP	XBT 93 T7(PW-70)	IGP	32-252N	157-532W	sRTEX87MV
1247	210587		BTXP	XBT 94 T7(PW-71)	IGP	32-068N	157-367W	sRTEX87MV
1500	210587		BTXP	XBT 95 T7(PW-72)	IGP	31-584N	157-214W	sRTEX87MV
1715	210587		BTXP	XBT 96 T5(PW-73)	IGP	31-301N	157-040W	sRTEX87MV
0406	230587		BTXP	XBT 97 T4	NOA	31-290N	157-055W	sRTEX87MV
0400	240587		BTXP	XBT 98 T4	NOA	31-295N	157-040W	sRTEX87MV
1651	240587		BTXP	XBT 99 T4	NOA	29-099N	157-116W	sRTEX87MV
0354	250587		BTXP	XBT 100 T4	NOA	27-065N	157-187W	sRTEX87MV
1646	250587		BTXP	XBT 101 T4	NOA	24-468N	157-266W	sRTEX87MV
2203	250587		BTXP	XBT 102 T4	NOA	23-475N	157-263W	sRTEX87MV

*** CONDUCTIVITY, TEMPERATURE, DEPTH AND OXYGEN ***

1113	120587		TDOT B	STA001	5611M R12	PCF	35-571N	157-054W	sRTEX87MV
1505	120587		TDOT E	STA001	5611M R12	PCF	35-580N	157-056W	sRTEX87MV
1713	140587		TDOT B	STA002	5601M R12	PCF	40-278N	157-119W	sRTEX87MV
2118	140587		TDOT E	STA002	5601M R12	PCF	40-270N	157-116W	sRTEX87MV
0221	160587		TDOT B	STA003	5561M R12	PCF	40-436N	161-336W	sRTEX87MV
0600	160587		TDOT E	STA003	5561M R12	PCF	40-289N	161-385W	sRTEX87MV
0658	180587		TDOT B	STA004	5317M R12	PCF	40-260N	165-517W	sRTEX87MV
1037	180587		TDOT E	STA004	5317M R12	PCF	40-255N	165-510W	sRTEX87MV
2200	180587		TDOT B	STA005	1519M R12	PCF	39-020N	164-185W	sRTEX87MV
2341	180587		TDOT E	STA005	1519M R12	PCF	38-591N	164-144W	sRTEX87MV
0937	190587		TDOT B	STA006	5767M R12	PCF	37-349N	162-450W	sRTEX87MV
1347	190587		TDOT E	STA006	5767M R12	PCF	37-337N	162-457W	sRTEX87MV
0017	200587		TDOT B	STA007	1519M R12	PCF	36-049N	161-156W	sRTEX87MV
0158	200587		TDOT E	STA007	1519M R12	PCF	36-046N	161-159W	sRTEX87MV
1235	200587		TDOT B	STA008	5904M R12	PCF	34-346N	159-480W	sRTEX87MV
1633	200587		TDOT E	STA008	5904M R12	PCF	34-349N	159-494W	sRTEX87MV
0336	210587		TDOT B	STA009	1518M R12	PCF	33-025N	158-251W	sRTEX87MV
0521	210587		TDOT E	STA009	1518M R12	PCF	33-025N	158-243W	sRTEX87MV
1935	210587		TDOT B	STA010	6000M R12	PCF	31-287N	157-062W	sRTEX87MV
0007	220587		TDOT E	STA010	6000M R12	PCF	31-303N	157-048W	sRTEX87MV

*** BOTTOM ANCHORED BUOY FOR ACOUSTIC STUDY ***

0422	140587		BUAB B	ACOUSTIC TOMOGRAPHY-1	IGP	40-287N	157-100W	sRTEX87MV
1800	260587		BUAB C	ACOUSTIC TOMOGRAPHY-1	IGP	40-287N	157-100W	sRTEX87MV
0818	170587		BUAB B	ACOUSTIC TOMOGRAPHY-2	IGP	40-277N	165-558W	sRTEX87MV
1800	260587		BUAB C	ACOUSTIC TOMOGRAPHY-2	IGP	40-277N	165-558W	sRTEX87MV
2227	220587		BUAB B	ACOUSTIC TOMOGRAPHY-3	IGP	31-287N	157-069W	sRTEX87MV
1800	260587		BUAB C	ACOUSTIC TOMOGRAPHY-3	IGP	31-287N	157-069W	sRTEX87MV

*** END SAMPLE INDEX