

INFORMAL REPORT AND INDEX OF  
NAVIGATION AND DEPTH DATA

(Issued December 1989)

ROUNABOUT EXPEDITION

LEG 04

=====

R/V Washington

San Francisco, Calif. (24 June 1988)  
to  
Newport, Oregon (23 July 1988)

Chief Scientist - Dr. T. Cowles (OSU)

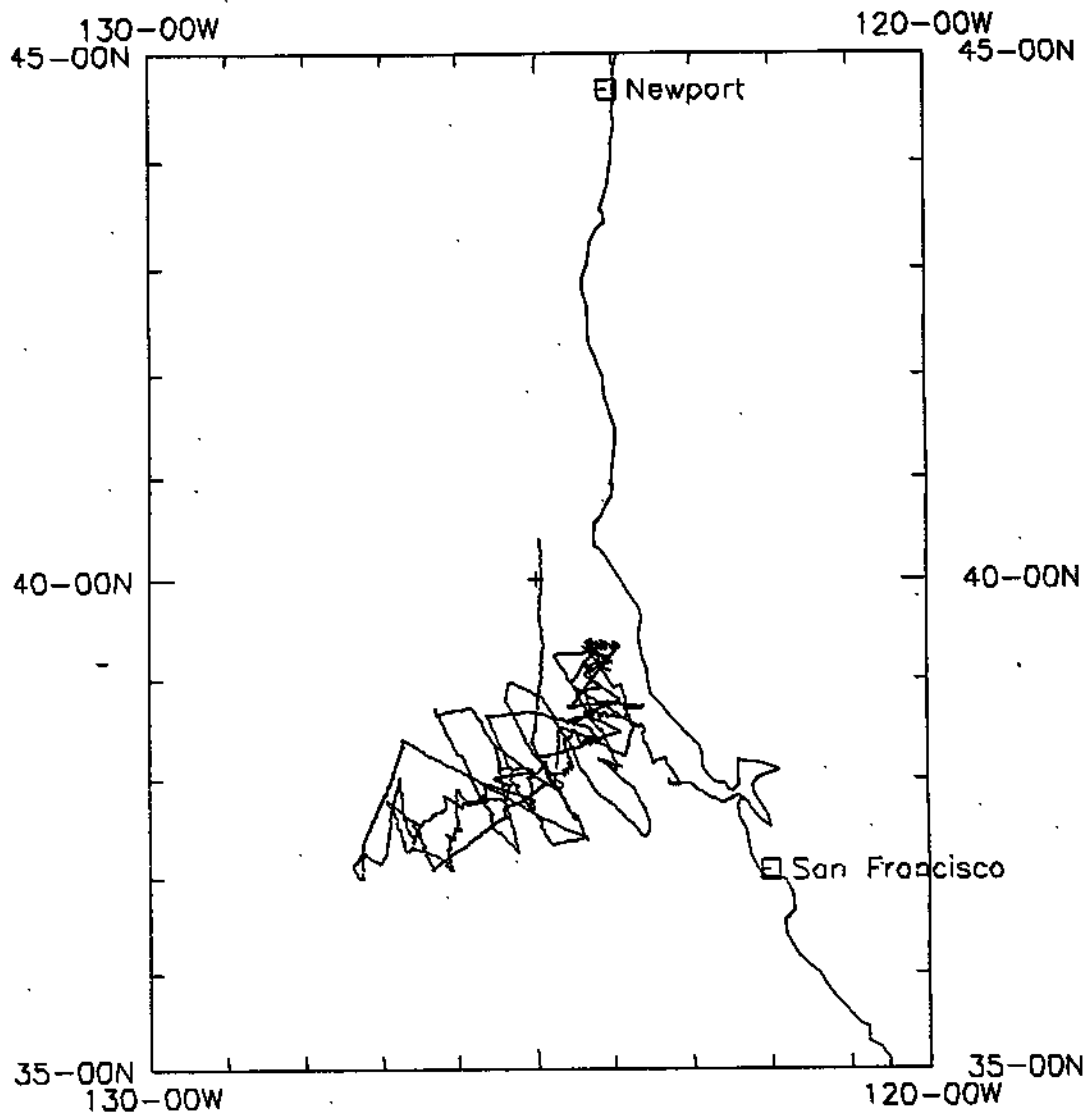
Resident Marine Tech - Geoff Hargreaves

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

Data Collection and Processing Funded by ONR  
Account Number 486480-25911

NOTE: This is an index of underway geophysical data edited  
and processed after the completion of the cruise leg and is  
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GDC Cruise I.D.# 239

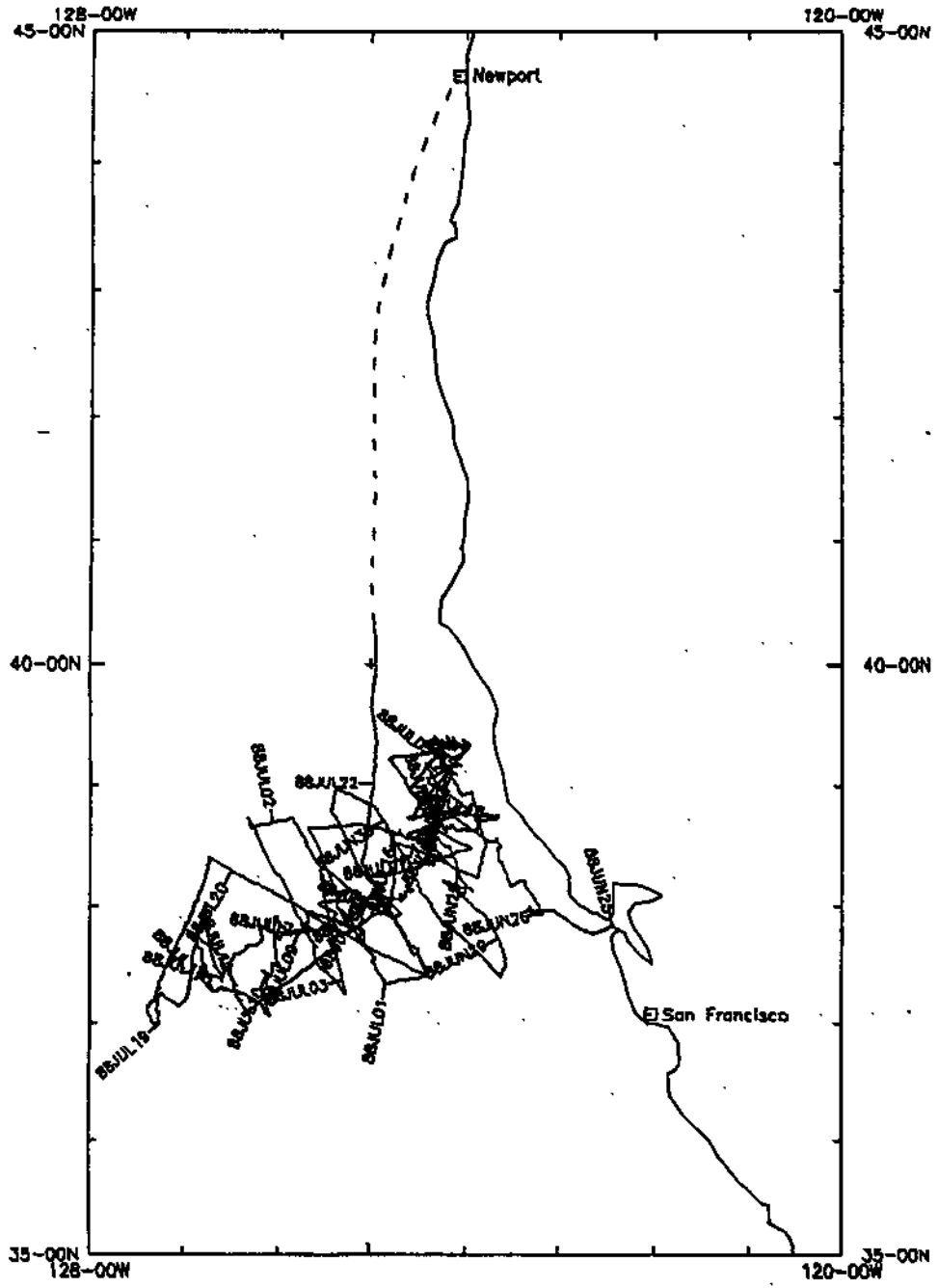


#### ROUNDABOUT EXPEDITION LEG 04

CHIEF SCIENTIST: T. Cowles (Oregon State University)  
PORTS: San Francisco, Calif. - Newport, Oregon  
DATES: 24 June - 23 July 1988  
SHIP: R/V T. Washington

#### TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 3360 miles
- 2) Bathymetry - none collected
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - collected but not processed
- 6) Sea Beam - none collected



ROUNDABOUT LEG 4  
(RND804WT)

\*\*\*\* PORTS \*\*\*\*

2316 240688	LGPT B SAN FRANCISCO, CA	37-471N 122-231W sRNDBO4WT
0000 230788	LGPT E NEWPORT, ORE	44-36 N 124-06 W fRNDBO4WT

\*\*\*\*PERSONNEL\*\*\*\*

	***NAME***	***TITLE***	***AFFILIATION***	**CRID**
PECS OSU	COWLES, T.	CHIEF SCIENTIST	OREGON STATE UNIV.	RNDBO4WT
PESP USC	BRENGMAN, M	RESEARCH TECH	UNIV. OF SO. CALIF.	RNDBO4WT
PESP SIX	BURNS, K.	RESEARCH TECH	INST.OCEAN SCI., B.C.	RNDBO4WT
PESP MLR	COLES, V.	LAB ASSISTANT	SCRIPPS INSTITUTION	RNDBO4WT
PESP JPL	DAVIS, C.	PROFESSOR	JET PROPULSION LAB	RNDBO4WT
PESP OSU	FESSENDEN, L.	RESEARCH TECH	OREGON STATE UNIV.	RNDBO4WT
PESP SIX	FRENCH, S.	RESEARCH TECH	BROOKHAVEN NAT. LAB	RNDBO4WT
PESP MLR	GRUBBER, D.	MARINE TECH	SCRIPPS INSTITUTION	RNDBO4WT
PERT STS	HARGREAVES, G.M.	RESTECH	SCRIPPS INSTITUTION	RNDBO4WT
PESP MLR	ILLEMAN, J.	PROGRAMMER	SCRIPPS INSTITUTION	RNDBO4WT
PESP USC	JONES, B.	PROFESSOR	UNIV. OF SO. CALIF.	RNDBO4WT
PESP OSU	KADKO, D.	PROFESSOR	OREGON STATE UNIV.	RNDBO4WT
PESP OSU	KOVAR, R.	RESEARCH TECH	OREGON STATE UNIV.	RNDBO4WT
PESP SIX	LANE, P.	R/A	BROOKHAVEN NAT LAB	RNDBC T
PESP SIX	MACKAS, D.	PROFESSOR	INST.OCEAN SCI., B.C.	RNDBO4WT
PECT STS	MOORE, M.	COMPUTER TECH	SCRIPPS INSTITUTION	RNDBO4WT
PEST SIX	PEACOCK, T.	GRAD STUDENT	UNIV. OF SO. FLORIDA	RNDBO4WT
PESP STS	SCHMIDT, J.	CTD TECH	SCRIPPS INSTITUTION	RNDBO4WT
PESP SIX	SMITH, S.	PROFESSOR	BROOKHAVEN NAT.LAB	RNDBO4WT
PESP SIX	STEWART, R, G.	R/A	UNIV. OF SO.FLORIDA	RNDBO4WT
PESP USC	WASHBURN, L.	PROFESSOR	UNIV. OF SO. CALIF.	RNDBO4WT

\*\*\*\*NOTES\*\*\*\*

#AN '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.

\*\*\*\* UNDERWAY DATA CURATOR - S. M. SMITH EXT. 42752

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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\*\*\* EXPLANATION OF SAMPLE CODES \*\*\*

\*\* TD\*\* - CTDs carried probes for measurement of conductivity, temperature, depths as well as a fluorometer and a transmissometer.  
 \*\* All CTD casts were sampled for O2, salts, nutrients, and chlorophylls.  
 \*\* Most CTD casts also were sampled for RADON gas; the noon casts were for Productivity analysis.  
 \*\* ONMC - The MOCNESS is a 1meter x 1meter x 9net.  
 \*\* ONBG - Bongo tows were verticle 100m tows using 60cm. nets.  
 \*\* CS\*\* - Continuous Surface samples of conductivity, temperature, particulates and fluorescence.  
 \*\* PS\*\* - Submerged Photometer

\*\*\*\* NOTE \*\*\*\*

# ALL SAMPLES ARE IN CHRONOLOGICAL ORDER

015	250688			TD**	B CTD test cast #1	USC	37-567N	123-182W	sRNDBO4WT
0625	250688			TD**	E CTD test cast #1	USC	37-567N	123-181W	sRNDBO4WT
1729	250688			ONMC	B MOCNESS Test Trawl	BNL	37-575N	123-181W	sRNDBO4WT
1800	250688			ONMC	E MOCNESS Test Trawl	BNL	37-579N	123-196W	sRNDBO4WT
2015	250688			TD**	B CTD test cast #2	USC	37-575N	123-186W	sRNDBO4WT
2039	250688			TD**	E CTD test cast #2	USC	37-575N	123-185W	sRNDBO4WT
2318	250688			TD**	B CTD #A13	USC	37-563N	123-104W	sRNDBO4WT
2349	250688			TD**	E CTD #A13	USC	37-565N	123-103W	sRNDBO4WT
0247	260688			TD**	B CTD #A12	USC	38-119N	123-218W	sRNDBO4WT
0328	260688			TD**	E CTD #A12	USC	38-120N	123-212W	sRNDBO4WT
0546	260688			TD**	B CTD #A11	USC	38-097N	123-307W	sRNDBO4WT
0631	260688			TD**	E CTD #A11	USC	38-099N	123-304W	sRNDBO4WT
0905	260688			TD**	B CTD #A10	USC	38-218N	123-365W	sRNDBO4WT
0944	260688			TD**	E CTD #A10	USC	38-219N	123-368W	sRNDBO4WT
1230	260688			TD**	B CTD #A9	USC	38-334N	123-398W	sRNDBO4WT
1306	260688			TD**	E CTD #A9	USC	38-332N	123-396W	sRNDBO4WT
1400	260688			TD**	B CTD #A8	USC	38-326N	123-463W	sRNDBO4WT
1439	260688			TD**	E CTD #A8	USC	38-329N	123-468W	sRNDBO4WT
1630	260688			TD**	B CTD #A7	USC	38-441N	123-529W	sRNDBO4WT
1722	260688			TD**	E CTD #A7	USC	38-447N	123-515W	sRNDBO4WT
1906	260688			TD**	B CTD #A6	USC	38-554N	123-549W	sRNDBO4WT
1938	260688			TD**	E CTD #A6	USC	38-559N	123-546W	sRNDBO4WT
2053	260688			TD**	B CTD #A5	USC	38-553N	124-026W	sRNDBO4WT
140	260688			TD**	E CTD #A5	USC	38-560N	124-024W	sRNDBO4WT
2320	260688			TD**	B CTD #A4	USC	39-067N	124-110W	sRNDBO4WT
0007	270688			TD**	E CTD #A4	USC	39-065N	124-114W	sRNDBO4WT

#GMT	DDMMYY	LOC	T	SAMP	SAMPLE	DISP	LAT.	LONG.	CRUISE
#TIME	DATE	TIME	Z	CODE	IDENTIFIER	CODE			LEG-SHIP
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0235	270688			TD**	B CTD #A3	USC	39-206N	123-568W	sRNDBO4WT
0301	270688			TD**	E CTD #A3	USC	39-205N	123-559W	sRNDBO4WT
0350	270688			TD**	B CTD #A2	USC	39-196N	124-028W	sRNDBO4WT
0442	270688			TD**	E CTD #A2	USC	39-201N	124-029W	sRNDBO4WT
0653	270688			TD**	B CTD #A1	USC	39-186N	124-185W	sRNDBO4WT
0741	270688			TD**	E CTD #A1	USC	39-184N	124-181W	sRNDBO4WT
1109	270688			TD**	B CTD #B1	USC	39-130N	124-474W	sRNDBO4WT
1204	270688			TD**	E CTD #B1	USC	39-139N	124-466W	sRNDBO4WT
1340	270688			TD**	B CTD #B2	USC	39-031N	124-375W	sRNDBO4WT
1426	270688			TD**	E CTD #B2	USC	39-026N	124-376W	sRNDBO4WT
1550	270688			TD**	B CTD #B3	USC	39-196N	124-028W	sRNDBO4WT
1637	270688			TD**	E CTD #B3	USC	39-201N	124-030W	sRNDBO4WT
1723	270688			TD**	B CTD #B4	USC	38-402N	124-214W	sRNDBO4WT
1823	270688			TD**	E CTD #B4	USC	38-402N	124-214W	sRNDBO4WT
2045	270688			TD**	B CTD #B5	USC	38-295N	124-117W	sRNDBO4WT
2138	270688			TD**	E CTD #B5	USC	38-299N	124-106W	sRNDBO4WT
2312	270688			TD**	B CTD #B6	USC	38-180N	124-040W	sRNDBO4WT
0003	280688			TD**	E CTD #B6	USC	38-179N	124-044W	sRNDBO4WT
0146	280688			TD**	B CTD #B7	USC	38-068N	123-552W	sRNDBO4
0249	280688			TD**	E CTD #B7	USC	38-070N	123-545W	sRNDBO4W1
1659	300688			TD**	B CTD #D9	USC	37-351N	124-299W	sRNDBO4WT
1745	300688			TD**	E CTD #D9	USC	37-350N	124-292W	sRNDBO4WT
1957	300688			TD**	B CTD #D10	USC	37-238N	124-231W	sRNDBO4WT
2049	300688			TD**	E CTD #D10	USC	37-241N	124-230W	sRNDBO4WT
0008	010788			TD**	B CTD #E10	USC	37-202N	124-495W	sRNDBO4WT
0053	010788			TD**	E CTD #E10	USC	37-205N	124-495W	sRNDBO4WT
0317	010788			TD**	B CTD #E9	USC	37-317N	124-577W	sRNDBO4WT
0409	010788			TD**	E CTD #E9	USC	37-323N	124-565W	sRNDBO4WT
0618	010788			TD**	B CTD #E8	USC	37-433N	125-073W	sRNDBO4WT
0656	010788			TD**	E CTD #E8	USC	37-435N	125-068W	sRNDBO4WT
0925	010788			TD**	B CTD #E7	USC	37-562N	125-152W	sRNDBO4WT
1008	010788			TD**	E CTD #E7	USC	37-557N	125-163W	sRNDBO4WT
1256	010788			TD**	B CTD #E6	USC	38-068N	125-204W	sRNDBO4WT
1342	010788			TD**	E CTD #E6	USC	38-069N	125-273W	sRNDBO4WT
1650	010788			TD**	B CTD #E5	USC	38-192N	125-322W	sRNDBO4WT
1736	010788			TD**	E CTD #E5	USC	38-192N	125-319W	sRNDBO4WT
1939	010788			TD**	B CTD #E4	USC	38-309N	125-414W	sRNDBO4WT
2025	010788			TD**	E CTD #E4	USC	38-311N	125-409W	sRNDBO4WT
2213	010788			TD**	B CTD #E3	USC	38-429N	125-499W	sRNDBO4WT
2252	010788			TD**	E CTD #E3	USC	38-432N	125-500W	sRNDBO4WT
0116	020788			TD**	B CTD #F3	USC	38-387N	126-177W	sRNDBO4WT
0200	020788			TD**	E CTD #F3	USC	38-389N	126-170W	sRNDBO4WT

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0225	020788			ONMC B	MOCNESS Trawl #F3	BNL	38-395N	126-174W	sRNDBO4WT
0430	020788			ONMC E	MOCNESS Trawl #F3	BNL	38-428N	126-190W	sRNDBO4WT
0645	020788			TD** B	CTD #F4	USC	38-268N	126-095W	sRNDBO4WT
0721	020788			TD** E	CTD #F4	USC	38-267N	126-095W	sRNDBO4WT
0915	020788			TD** B	CTD #F5	USC	38-155N	125-599W	sRNDBO4WT
0955	020788			TD** E	CTD #F5	USC	38-154N	125-599W	sRNDBO4WT
1117	020788			TD** B	CTD #F6	USC	38-034N	125-511W	sRNDBO4WT
1220	020788			TD** E	CTD #F6	USC	38-032N	125-521W	sRNDBO4WT
1345	020788			TD** B	CTD #F7	USC	37-510N	125-445W	sRNDBO4WT
1430	020788			TD** E	CTD #F7	USC	37-508N	125-443W	sRNDBO4WT
1609	020788			TD** B	CTD #F8A	USC	37-389N	125-342W	sRNDBO4WT
1653	020788			TD** E	CTD #F8A (no trip)	USC	37-388N	125-344W	sRNDBO4WT
1728	020788			TD** B	CTD #F8	USC	37-389N	125-349W	sRNDBO4WT
1755	020788			TD** E	CTD #F8	USC	37-386N	125-355W	sRNDBO4WT
1942	020788			TD** B	CTD #F9	USC	37-273N	125-289W	sRNDBO4WT
2027	020788			TD** E	CTD #F9	USC	37-276N	125-292W	sRNDBO4WT
2229	020788			TD** B	CTD #F10	USC	37-155N	125-157W	sRNDBO4WT
12	020788			TD** E	CTD #F10	USC	37-156N	125-152W	sRNDBO4WT
0645	040788			ON75 B	Live Tow #1.1	BNL	39-112N	124-044W	sRNDBO4WT
0654	040788			ON75 E	Live Tow #1.1	BNL	39-109N	124-046W	sRNDBO4WT
0657	040788			ON75 B	Live Tow #1.2	OSU	39-108N	124-046W	sRNDBO4WT
0706	040788			ON75 E	Live Tow #1.2	OSU	39-105N	124-048W	sRNDBO4WT
0733	040788			ONMC B	MOCNESS Tow #1.3	BNL	39-099N	124-058W	sRNDBO4WT
0905	040788			ONMC E	MOCNESS Tow #1.3	BNL	39-119N	124-087W	sRNDBO4WT
2210	040788			PS** B	Light Cast #2.1	JPL	39-139N	124-130W	sRNDBO4WT
2242	040788			PS** E	Light Cast #2.1	JPL	39-134N	124-129W	sRNDBO4WT
2302	040788			PS** B	STAR cast #2.2	USF	39-131N	124-128W	sRNDBO4WT
2321	040788			PS** E	STAR cast #2.2	USF	39-127N	124-127W	sRNDBO4WT
2356	040788			TD** B	CTD #2.3	USC	39-121N	124-130W	sRNDBO4WT
0033	050788			TD** E	CTD #2.3	USC	39-120N	124-135W	sRNDBO4WT
0255	050788			ONMC B	MOCNESS Tow #2.4	BNL	39-092N	124-129W	sRNDBO4WT
0433	050788			ONMC E	MOCNESS Tow #2.4	BNL	39-096N	124-161W	sRNDBO4WT

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0445	050788			ON75 B	Live Tow #2.5	BNL	39-095N	124-163W	sRNDBO4WT
0452	050788			ON75 E	Live Tow #2.5	BNL	39-094N	124-166W	sRNDBO4WT
0454	050788			ON75 B	Live Tow #2.6	BNL	39-094N	124-167W	sRNDBO4WT
0502	050788			ON75 E	Live Tow #2.6	BNL	39-092N	124-170W	sRNDBO4WT
0703	050788			TD** B	CTD #3.1	USC	39-109N	124-241W	sRNDBO4WT
0742	050788			TD** E	CTD #3.1	USC	39-108N	124-242W	sRNDBO4WT
0901	050788			TD** B	CTD #4.1	USC	39-038N	124-193W	sRNDBO4WT
0945	050788			TD** E	CTD #4.1	USC	39-037N	124-197W	sRNDBO4WT
1300	050788			TD** B	CTD #5.1	USC	38-550N	124-114W	sRNDBO4WT
1354	050788			TD** E	CTD #5.1	USC	38-553N	124-115W	sRNDBO4WT
1444	050788			PS** B	Light Cast #5.2	JPL	38-551N	124-124W	sRNDBO4WT
1504	050788			PS** E	Light Cast #5.2	JPL	38-548N	124-128W	sRNDBO4WT
1741	050788			PS** B	Light Cast #6.1	JPL	38-473N	124-211W	sRNDBO4WT
1809	050788			PS** E	Light Cast #6.1	JPL	38-464N	124-210W	sRNDBO4WT
1824	050788			TD** B	CTD #6.2	USC	38-458N	124-208W	sRNDBO4WT
1857	050788			TD** E	CTD #6.2	USC	38-453N	124-204W	sRNDBO4WT
1940	050788			PS** B	PAR cast #6.3	USF	38-436N	124-197W	sRNDBO4WT
1953	050788			PS** E	PAR cast #6.3	USF	38-432N	124-196W	sRNDBO4WT
2019	050788			ON75 B	Live tow #6.4	BNL	38-426N	124-192W	sRNDBO4WT
2036	050788			ON75 E	Live Tow #6.4	BNL	38-422N	124-192W	sRNDBO4WT
2038	050788			ON75 B	Live Tow #6.5	OSU	38-421N	124-192W	sRNDBO4WT
2045	050788			ON75 E	Live Tow #6.5	OSU	38-419N	124-192W	sRNDBO4WT
2132	050788			ONMC B	MOCNESS Tow #6.6	BNL	38-388N	124-175W	sRNDBO4WT
2253	050788			ONMC E	MOCNESS #6.6	BNL	38-408N	124-180W	sRNDBO4WT
2327	050788			TD** B	CTD #6.7	USC	38-383N	124-182W	sRNDBO4WT
0016	060788			TD** E	CTD #6.7	USC	38-382N	124-175W	sRNDBO4WT
0144	060788			TD** B	CTD #7.1	USC	38-371N	124-266W	sRNDBO4WT
0236	060788			TD** E	CTD #7.1	USC	38-364N	124-267W	sRNDBO4WT



#GMT #TIME	DMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0325	060788			ON75 B	Live Tow #7.2	BNL	38-352N	124-291W	sRNDBO4WT
0330	060788			ON75 E	Live Tow #7.2	BNL	38-351N	124-292W	sRNDBO4WT
0332	060788			ON75 B	Live Tow #7.3	OSU	38-350N	124-292W	sRNDBO4WT
0335	060788			ON75 E	Live Tow #7.3	OSU	38-349N	124-293W	sRNDBO4WT
0400	060788			ONMC B	MOCNESS Tow #7.4	BNL	38-345N	124-304W	sRNDBO4WT
0505	060788			ONMC E	MOCNESS Tow #7.4	BNL	38-345N	124-330W	sRNDBO4WT
0740	060788			TD** B	CTD #8.1	USC	38-318N	124-224W	sRNDBO4WT
0840	060788			TD** E	CTD #8.1	USC	38-313N	124-214W	sRNDBO4WT
0800	060788			ON75 B	Live Tow #8.2	BNL	38-316N	124-220W	sRNDBO4WT
0805	060788			ON75 E	Live Tow #8.2	BNL	38-315N	124-219W	sRNDBO4WT
0952	060788			TD** B	CTD #9.1	USC	38-302N	124-181W	sRNDBO4WT
1040	060788			TD** E	CTD #9.1	USC	38-298N	124-184W	sRNDBO4WT
1000	060788			ON75 B	Live Tow #9.2	BNL	38-302N	124-180W	sRNDBO4WT
1005	060788			ON75 E	Live Tow #9.2	BNL	38-302N	124-180W	sRNDBO4WT
1133	060788			TD** B	CTD #9.3	USC	38-288N	124-186W	sRNDBO4WT
1226	060788			TD** E	CTD #9.3	USC	38-290N	124-190W	sRNDBO4WT
1345	060788			TD** B	CTD #10.1	USC	38-219N	124-115W	sRNDBO4WT
1431	060788			TD** E	CTD #10.1	USC	38-229N	124-135W	sRNDBO4WT
1400	060788			ON75 B	Live Tow #10.2	BNL	38-220N	124-121W	sRNDBO4WT
1410	060788			ON75 E	Live Tow #10.2	BNL	38-223N	124-125W	sRNDBO4WT
1440	060788			PS** B	Light Cast #10.3	JPL	38-231N	124-139W	sRNDBO4WT
1526	060788			PS** E	Light Cast #10.3	JPL	38-358N	124-279W	sRNDBO4WT
1819	060788			ON75 B	Live Tow #11.1	BNL	38-246N	124-227W	sRNDBO4WT
1825	060788			ON75 E	Live Tow #11.1	BNL	38-245N	124-228W	sRNDBO4WT
1834	060788			PS** B	Light Cast #11.2	JPL	38-244N	124-230W	sRNDBO4WT
1853	060788			PS** E	Light Cast #11.2	JPL	38-242N	124-234W	sRNDBO4WT

#GMT #TIME #	DDMMYY DATE	LOC TIME Z	T	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1905	060788			TD** B	CTD #11.3	USC	38-241N	124-237W	sRNDBO4WT
1953	060788			TD** E	CTD #11.3	USC	38-241N	124-236W	sRNDBO4WT
2008	060788			PS** B	STAR cast #11.4	USF	38-241N	124-238W	sRNDBO4WT
2032	060788			PS** E	STAR cast #11.4	USF	38-239N	124-243W	sRNDBO4WT
2123	060788			ONMC B	MOCNESS Tow #11.5	BNL	38-210N	124-229W	sRNDBO4WT
2236	060788			ONMC E	MOCNESS Tow #11.5	BNL	38-224N	124-249W	sRNDBO4WT
2310	060788			TD** B	CTD #11.6	USC	38-223N	124-260W	sRNDBO4WT
0000	070788			TD** E	CTD #11.6	USC	38-222N	124-260W	sRNDBO4WT
0205	070788			TD** B	CTD #12.1	USC	38-307N	124-330W	sRNDBO4WT
0259	070788			TD** E	CTD #12.1	USC	38-304N	124-325W	sRNDBO4WT
0307	070788			ON75 B	Live Tow #12.2	BNL	38-302N	124-325W	sRNDBO4WT
0315	070788			ON75 E	Live Tow #12.2	BNL	38-300N	124-326W	sRNDBO4WT
0416	070788			TD** B	CTD #13.1	USC	38-252N	124-344W	sRNDBO4WT
0517	070788			TD** E	CTD #13.1	USC	38-249N	124-364W	sRNDBO4
0525	070788			ON75 B	Live Tow #13.2	BNL	38-248N	124-368W	sRNDBO4WT
0539	070788			ON75 E	Live Tow #13.2	BNL	38-339N	124-334W	sRNDBO4WT
0541	070788			ON75 B	Live Tow #13.3	OSU	38-339N	124-334W	sRNDBO4WT
0550	070788			ON75 E	Live Tow #13.3	OSU	38-337N	124-334W	sRNDBO4WT
0645	070788			ON75 B	Live Tow #14.2	BNL	38-207N	124-398W	sRNDBO4WT
0715	070788			ON75 E	Live Tow #14.2	BNL	38-202N	124-395W	sRNDBO4WT
0639	070788			TD** B	CTD #14.1	USC	38-208N	124-398W	sRNDBO4WT
0725	070788			TD** E	CTD #14.1	USC	38-200N	124-394W	sRNDBO4WT
0852	070788			TD** B	CTD #15.1	USC	38-107N	124-339W	sRNDBO4WT
0939	070788			TD** E	CTD #15.1	USC	38-100N	124-337W	sRNDBO4WT
0947	070788			ON75 B	Live Tow #15.2	OSU	38-098N	124-339W	sRNDBO4WT
0958	070788			ON75 E	Live Tow #15.2	OSU	38-095N	124-344W	sRNDBO4WT

#GMT #TIME	DMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1315	070788			TD** B	CTD #16.1	USC	38-073N	124-344W	sRNDB04WT
1414	070788			TD** E	CTD #16.1	USC	38-070N	124-356W	sRNDB04WT
1425	070788			PS** B	Light Cast #16.2	JPL	38-071N	124-361W	sRNDB04WT
1450	070788			PS** E	Light Cast #16.2	JPL	38-069N	124-368W	sRNDB04WT
1455	070788			ON75 B	Live Tow #16.3	BNL	38-069N	124-368W	sRNDB04WT
1518	070788			ON75 E	Live Tow #16.3	BNL	38-065N	124-370W	sRNDB04WT
2050	070788			TD** B	CTD #17.1	USC	38-077N	124-547W	sRNDB04WT
2138	070788			TD** E	CTD #17.1	USC	38-077N	124-557W	sRNDB04WT
2100	070788			SECD B	SECCHI Cast 17.2	MLR	38-077N	124-550W	sRNDB04WT
2109	070788			SECD E	SECCHI Cast #17.2	MLR	38-077N	124-552W	sRNDB04WT
2145	070788			PS** B	Light Cast #17.3	USF	38-077N	124-560W	sRNDB04WT
2206	070788			PS** E	Light Cast #17.3	USF	38-076N	124-565W	sRNDB04WT
2113	070788			ON75 B	Live Tow #17.4	OSU	38-076N	124-567W	sRNDB04WT
2225	070788			ON75 E	Live Tow #17.4	OSU	38-076N	124-572W	sRNDB04WT
2325	070788			ONMC B	MOCNESS #17.5	BNL	38-034N	125-021W	sRNDB04WT
0105	080788			ONMC E	MOCNESS #17.5	BNL	38-052N	125-067W	sRNDB04WT
0150	080788			TD** B	CTD #17.6	USC	38-061N	125-051W	sRNDB04WT
0244	080788			TD** E	CTD #17.6	USC	38-061N	125-065W	sRNDB04WT
0359	080788			TD** B	CTD #18.1	USC	38-009N	125-044W	sRNDB04WT
0500	080788			TD** E	CTD #18.1	USC	38-007N	125-068W	sRNDB04WT
0510	080788			ON75 B	Live Tow #18.2	BNL	38-008N	125-074W	sRNDB04WT
0517	080788			ON75 E	Live Tow #18.2	BNL	38-008N	125-079W	sRNDB04WT
0636	080788			TD** B	CTD #19.1	USC	37-566N	125-045W	sRNDB04WT
0721	080788			TD** E	CTD #19.1	USC	37-568N	125-045W	sRNDB04WT
0730	080788			ON75 B	Live Tow #19.2	OSU	37-568N	125-047W	sRNDB04WT
0744	080788			ON75 E	Live Tow #19.2	OSU	37-567N	125-051W	sRNDB04WT

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0900	080788			TD** B	CTD #20.1	USC	37-513N	125-048W	sRNDBO4WT
0948	080788			TD** E	CTD #20.1	USC	37-507N	125-058W	sRNDBO4WT
0955	080788			ON75 B	Live Tow #20.2	BNL	37-506N	125-059W	sRNDBO4WT
1005	080788			ON75 E	Live Tow #20.2	BNL	37-507N	125-059W	sRNDBO4WT
1315	080788			TD** B	CTD #21.1	USC	37-455N	125-031W	sRNDBO4WT
1406	080788			TD** E	CTD #21.1	USC	37-458N	125-035W	sRNDBO4WT
1421	080788			PS** B	Light Cast #21.2	JPL	37-456N	125-038W	sRNDBO4WT
1444	080788			PS** E	Light Cast #21.2	JPL	37-452N	125-040W	sRNDBO4WT
1458	080788			ON75 B	Live Tow #21.3	OSU	37-451N	125-042W	sRNDBO4WT
1508	080788			ON75 E	Live Tow #21.3	OSU	37-453N	125-040W	sRNDBO4WT
1941	080788			PS** B	Light Cast #22.1	JPL	37-515N	125-405W	sRNDBO4WT
2001	080788			PS** E	Light Cast #22.1	JPL	37-510N	125-409W	sRNDBO4WT
2019	080788			TD** B	CTD #22.2	USC	37-507N	125-412W	sRNDBO4
2115	080788			TD** E	CTD #22.2	USC	37-501N	125-418W	sRNDBO4W1
2120	080788			ON75 B	Live Tow #22.3	BNL	37-500N	125-420W	sRNDBO4WT
2135	080788			ON75 E	Live Tow #22.3	BNL	37-497N	125-425W	sRNDBO4WT
2224	080788			ONMC B	MOCNESS Tow #22.4	BNL	37-462N	125-423W	sRNDBO4WT
2354	080788			ONMC E	MOCNESS Tow #22.4	BNL	37-470N	125-455W	sRNDBO4WT
0058	090788			TD** B	CTD #22.5	USC	37-462N	125-461W	sRNDBO4WT
0148	090788			TD** E	CTD #22.5	USC	37-460N	125-459W	sRNDBO4WT
0155	090788			ON75 B	Live Tow #22.6	OSU	37-459N	125-461W	sRNDBO4WT
0207	090788			ON75 E	Live Tow #22.6	OSU	37-457N	125-463W	sRNDBO4WT
0226	090788			TD** B	CTD #22.7	USC	37-456N	125-466W	sRNDBO4WT
0325	090788			TD** E	CTD #22.7	USC	37-452N	125-466W	sRNDBO4WT
0435	090788			TD** B	CTD #23.1	USC	37-471N	125-519W	sRNDBO4WT
0537	090788			TD** E	CTD #23.1	USC	37-466N	125-521W	sRNDBO4WT

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0550	090788			ON75 B	Live Tow #23.2	BNL	37-465N	125-523W	sRNDBO4WT
0600	090788			ON75 E	Live Tow #23.2	BNL	37-464N	125-525W	sRNDBO4WT
0725	090788			TD** B	CTD #24.1	USC	37-499N	125-584W	sRNDBO4WT
0807	090788			TD** E	CTD #24.1	USC	37-499N	125-580W	sRNDBO4WT
0816	090788			ON75 B	Live Tow #24.2	OSU	37-500N	125-580W	sRNDBO4WT
0930	090788			ON75 E	Live Tow #24.2	OSU	37-510N	125-053W	sRNDBO4WT
0950	090788			TD** B	CTD #25.1	USC	37-539N	126-001W	sRNDBO4WT
1044	090788			TD** E	CTD #25.1	USC	37-538N	126-005W	sRNDBO4WT
1056	090788			ON75 B	Live Tow #25.2	BNL	37-538N	126-006W	sRNDBO4WT
1104	090788			ON75 E	Live Tow #25.2	BNL	37-537N	126-008W	sRNDBO4WT
1340	090788			TD** B	CTD #26.1	USC	37-300N	126-003W	sRNDBO4WT
1425	090788			TD** E	CTD #26.1	USC	37-300N	126-004W	sRNDBO4WT
1458	090788			PS** B	Light Cast #26.2	JPL	37-300N	126-015W	sRNDBO4WT
1505	090788			PS** E	Light Cast #26.2	JPL	37-299N	126-017W	sRNDBO4WT
1514	090788			ON75 B	Live Tow #26.3	BNL	37-298N	126-020W	sRNDBO4WT
1530	090788			ON75 E	Live Tow #26.3	BNL	37-297N	126-025W	sRNDBO4WT
1747	090788			SECD B	SECCHI Cast #27.1	MLR	37-309N	125-595W	sRNDBO4WT
1752	090788			SECD E	SECCHI Cast #27.1	MLR	37-309N	125-595W	sRNDBO4WT
1828	090788			TD** B	CTD #27.2	USC	37-309N	125-596W	sRNDBO4WT
1918	090788			TD** E	CTD #27.2	USC	37-306N	126-000W	sRNDBO4WT
1947	090788			PS** B	Light Cast #27.3	JPL	37-304N	126-008W	sRNDBO4WT
2011	090788			PS** E	Light Cast #27.3	JPL	37-302N	126-013W	sRNDBO4WT
2040	090788			PS** B	STAR Cast #27.4	USF	37-301N	126-020W	sRNDBO4WT
2110	090788			PS** E	STAR Cast #27.4	USF	37-297N	126-026W	sRNDBO4WT
2122	090788			ON75 B	Live Tow #27.5	OSU	37-296N	126-029W	sRNDBO4WT
2133	090788			ON75 E	Live Tow #27.5	OSU	37-295N	126-031W	sRNDBO4WT

#GMT #TIME #	DDMMYY DATE	LOC TIME Z	T	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2237	090788			ONMC B	MOCNESS Tow #27.6	BNL	37-237N	126-044W	sRNDB04WT
0055	100788			ONMC E	MOCNESS Tow #27.6	BNL	37-260N	126-089W	sRNDB04WT
0213	100788			TD** B	CTD #27.7	USC	37-228N	126-069W	sRNDB04WT
0320	100788			TD** E	CTD #27.7	USC	37-224N	126-072W	sRNDB04WT
0424	100788			TD** B	CTD #28.1	USC	37-181N	126-068W	sRNDB04WT
0519	100788			TD** E	CTD #28.1	USC	37-175N	126-077W	sRNDB04WT
0530	100788			ON75 B	Live Tow #28.2	BNL	37-174N	126-080W	sRNDB04WT
0542	100788			ON75 E	Live Tow #28.2	BNL	37-172N	126-085W	sRNDB04WT
0652	100788			TD** B	CTD #29.1	USC	37-110N	126-069W	sRNDB04WT
0740	100788			TD** E	CTD #29.1	USC	37-108N	126-067W	sRNDB04WT
0747	100788			ON75 B	Live Tow #29.2	OSU	37-108N	126-069W	sRNDB04WT
0801	100788			ON75 E	Live Tow #29.2	OSU	37-107N	126-073W	sRNDB04WT
0908	100788			TD** B	CTD #30.1	USC	37-044N	126-059W	sRNDB04WT
0955	100788			TD** E	CTD #30.1	USC	37-043N	126-060W	sRNDB04WT
1002	100788			ON75 B	Live Tow #30.2	BNL	37-043N	126-061W	sRNDB04WT
1014	100788			ON75 E	Live Tow #30.2	BNL	37-043N	126-064W	sRNDB04WT
1051	100788			ONMC B	MOCNESS Tow #30.3	BNL	37-047N	126-072W	sRNDB04WT
1216	100788			ONMC E	MOCNESS Tow #30.3	BNL	37-069N	126-085W	sRNDB04WT
1310	100788			TD** B	CTD #31.1	USC	37-077N	126-101W	sRNDB04WT
1408	100788			TD** E	CTD #31.1	USC	37-077N	126-093W	sRNDB04WT
1424	100788			PS** B	Light Cast #31.2	JPL	37-078N	126-093W	sRNDB04WT
1453	100788			PS** E	Light Cast #31.2	JPL	37-078N	126-093W	sRNDB04WT
1501	100788			ON75 B	Live Tow #31.3	OSU	37-078N	126-092W	sRNDB04WT
1513	100788			ON75 E	Live Tow #31.3	OSU	37-079N	126-093W	sRNDB04WT
1830	100788			PS** B	Light Cast #32.1	JPL	37-175N	126-329W	sRNDB04WT
1853	100788			PS** E	Light Cast #32.1	JPL	37-173N	126-336W	sRNDB04WT

#GMT #TIME #	DDMMYY DATE	LOC TIME Z	T	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1917	100788			TD** B	CTD #32.2	USC	37-170N	126-341W	sRNDB04WT
2014	100788			TD** E	CTD #32.2	USC	37-172N	126-346W	sRNDB04WT
2021	100788			ON75 B	Live Tow #32.3	BNL	37-172N	126-348W	sRNDB04WT
2034	100788			ON75 E	Live Tow #32.3	BNL	37-174N	126-352W	sRNDB04WT
2313	100788			TD** B	CTD #32.4	USC	37-168N	126-412W	sRNDB04WT
0010	110788			TD** E	CTD #32.4	USC	37-167N	126-420W	sRNDB04WT
0142	110788			TD** B	CTD #33.1	USC	37-231N	126-425W	sRNDB04WT
0229	110788			TD** E	CTD #33.1	USC	37-229N	126-431W	sRNDB04WT
0237	110788			ON75 B	Live Tow #33.2	OSU	37-229N	126-433W	sRNDB04WT
0250	110788			ON75 E	Live Tow #33.2	OSU	37-229N	126-438W	sRNDB04WT
0420	110788			TD** B	CTD #34.1	USC	37-294N	126-464W	sRNDB04WT
0522	110788			TD** E	CTD #34.1	USC	37-295N	126-475W	sRNDB04WT
,29	110788			ON75 B	Live Tow #34.2	BNL	37-296N	126-477W	sRNDB04WT
0543	110788			ON75 E	Live Tow #34.2	BNL	37-296N	126-480W	sRNDB04WT
0708	110788			TD** B	CTD #35.1	USC	37-359N	126-485W	sRNDB04WT
0748	110788			TD** E	CTD #35.1	USC	37-361N	126-483W	sRNDB04WT
0754	110788			ON75 B	Live Tow #35.2	OSU	37-361N	126-484W	sRNDB04WT
0806	110788			ON75 E	Live Tow #35.2	OSU	37-361N	126-487W	sRNDB04WT
0924	110788			TD** B	CTD #36.1	USC	37-424N	126-529W	sRNDB04WT
1007	110788			TD** E	CTD #36.1	USC	37-427N	126-526W	sRNDB04WT
1011	110788			ON75 B	Live Tow #36.2	BNL	37-427N	126-526W	sRNDB04WT
1025	110788			ON75 E	Live Tow #36.2	BNL	37-428N	126-529W	sRNDB04WT
1044	110788			ONMC B	MOCNESS Tow #36.3	BNL	37-432N	126-536W	sRNDB04WT
1219	110788			ONMC E	MOCNESS TOW #36.3	BNL	37-461N	126-568W	sRNDB04WT
1524	110788			ON75 B	Live Tow #37.1	OSU	37-337N	126-334W	sRNDB04WT
1538	110788			ON75 E	Live Tow #37.1	OSU	37-335N	126-337W	sRNDB04WT

#GMT #TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1605	110788		TD** B	CTD #37.2	USC	37-333N	126-342W	sRNDBO4WT
1655	110788		TD** E	CTD #37.2	USC	37-332N	126-349W	sRNDBO4WT
1712	110788		PS** B	Light Cast #37.3	JPL	37-330N	126-352W	sRNDBO4WT
1728	110788		PS** E	Light Cast #37.3	JPL	37-328N	126-356W	sRNDBO4WT
1749	110788		PS** B	Star Cast #37.4	USF	37-326N	126-359W	sRNDBO4WT
1820	110788		PS** E	Star Cast #37.4	USF	37-323N	126-360W	sRNDBO4WT
1833	110788		ON75 B	Live Tow #37.5	BNL	37-322N	126-361W	sRNDBO4WT
1844	110788		ON75 E	Live Tow #37.5	BNL	37-321N	126-362W	sRNDBO4WT
1905	110788		TD** B	CTD #37.6	USC	37-321N	126-363W	sRNDBO4WT
1951	110788		TD** E	CTD #37.6	USC	37-322N	126-368W	sRNDBO4WT
1924	110788		SECD B	SECCHI Cast #37.7	MLR	37-322N	126-365W	sRNDBO4WT
1930	110788		SECD E	SECCHI Cast #37.7	MLR	37-322N	126-365W	sRNDBO4WT
2106	110788		TD** B	CTD #38.1	USC	37-266N	126-302W	sRNDBO4
2155	110788		TD** E	CTD #38.1	USC	37-262N	126-311W	sRNDBO4WT
2201	110788		ON75 B	Live Tow #38.2	OSU	37-261N	126-312W	sRNDBO4WT
2214	110788		ON75 E	Live Tow #38.2	OSU	37-260N	126-317W	sRNDBO4WT
2322	110788		TD** B	CTD #39.1	USC	37-194N	126-272W	sRNDBO4WT
0012	120788		TD** E	CTD #39.1	USC	37-190N	126-280W	sRNDBO4WT
0017	120788		ON75 B	Live Tow #39.1	BNL	37-189N	126-282W	sRNDBO4WT
0030	120788		ON75 E	Live Tow #39.2	BNL	37-186N	126-286W	sRNDBO4WT
0136	120788		TD** B	CTD #40.1	USC	37-150N	126-255W	sRNDBO4WT
0222	120788		TD** E	CTD #40.1	USC	37-148N	126-265W	sRNDBO4WT
0228	120788		ON75 B	Live Tow # 40.2	BNL	37-146N	126-267W	sRNDBO4WT
0238	120788		ON75 E	Live Tow #40.2	BNL	37-145N	126-271W	sRNDBO4WT



#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0326	120788			TD** B	CTD #41.1	USC	37-119N	126-234W	sRNDBO4WT
0410	120788			TD** E	CTD #41.1	USC	37-117N	126-235W	sRNDBO4WT
0419	120788			ON75 B	Live Tow #41.2	BNL	37-116N	126-236W	sRNDBO4WT
0432	120788			ON75 E	Live Tow #41.2	BNL	37-114N	126-240W	sRNDBO4WT
0542	120788			TD** B	CTD #42.1	USC	37-047N	126-202W	sRNDBO4WT
0637	120788			TD** E	CTD #42.1	USC	37-044N	126-212W	sRNDBO4WT
0647	120788			ON75 B	Live Tow 42.2	OSU	37-044N	126-214W	sRNDBO4WT
0659	120788			ON75 E	Live Tow #42.2	OSU	37-042N	126-217W	sRNDBO4WT
1421	120788			TD** B	CTD #43.1	USC	37-421N	125-263W	sRNDBO4WT
1515	120788			TD** E	CTD #43.1	USC	37-418N	125-270W	sRNDBO4WT
1523	120788			ON75 B	Live Tow #43.2	BNL	37-418N	125-270W	sRNDBO4WT
1534	120788			ON75 E	Live Tow #43.2	BNL	37-419N	125-269W	sRNDBO4WT
54	120788			ONMC B	MOCNESS Tow #44.1	BNL	37-538N	124-439W	sRNDBO4WT
2207	120788			ONMC E	MOCNESS Tow #44.1	BNL	37-553N	124-411W	sRNDBO4WT
0058	130788			ONMC B	MOCNESS Tow #45.1	BNL	38-145N	125-002W	sRNDBO4WT
0210	130788			ONMC E	MOCNESS Tow #45.1	BNL	38-142N	124-571W	sRNDBO4WT
0100	140788			TD** B	CTD #46.1	USC	39-066N	124-101W	sRNDBO4WT
0145	140788			TD** E	CTD #46.1	USC	39-066N	124-097W	sRNDBO4WT
0153	140788			ON75 B	Live Tow #46.2	OSU	39-065N	124-096W	sRNDBO4WT
0205	140788			ON75 E	Live Tow #46.2	OSU	39-064N	124-096W	sRNDBO4WT
0225	140788			ONMC B	MOCNESS #46.3	BNL	39-066N	124-093W	sRNDBO4WT
0345	140788			ONMC E	MOCNESS #46.3	BNL	39-092N	124-086W	sRNDBO4WT
0705	140788			TD** B	CTD #47.1	USC	38-443N	124-338W	sRNDBO4WT
0747	140788			TD** E	CTD #47.1	USC	38-443N	124-350W	sRNDBO4WT
0753	140788			ON75 B	Live Tow #47.2	BNL	38-441N	124-352W	sRNDBO4WT
0806	140788			ON75 E	Live Tow #47.2	BNL	38-438N	124-356W	sRNDBO4WT

#GMT #TIME	DMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0925	140788			TD**	B CTD #48.1	USC	38-451N	124-254W	sRNDBO4WT
1005	140788			TD**	E CTD #48.1	USC	38-455N	124-253W	sRNDBO4WT
1011	140788			ON75	B Live Tow #48.2	BNL	38-455N	124-254W	sRNDBO4WT
1021	140788			ON75	E Live Tow #48.2	BNL	38-457N	124-256W	sRNDBO4WT
1122	140788			TD**	B CTD #49.1	USC	38-454N	124-186W	sRNDBO4WT
1206	140788			TD**	E CTD #49.1	USC	38-457N	124-186W	sRNDBO4WT
1213	140788			ON75	B Live Tow #49.2	OSU	38-458N	124-187W	sRNDBO4WT
1230	140788			ON75	E Live Tow #49.2	OSU	38-459N	124-189W	sRNDBO4WT
1319	140788			TD**	B CTD #50.1	USC	38-458N	124-121W	sRNDBO4WT
1413	140788			TD**	E CTD #50.1	USC	38-466N	124-117W	sRNDBO4WT
1420	140788			ON75	B Live Tow #50.2	BNL	38-467N	124-117W	sRNDBO4WT
1430	140788			ON75	E Live Tow #50.2	BNL	38-468N	124-117W	sRNDBO4WT
1528	140788			TD**	B CTD #51.1	USC	38-461N	124-058W	sRNDBO4WT
1616	140788			TD**	E CTD #51.1	USC	38-467N	124-056W	sRNDBO4WT
1624	140788			ON75	B Live Tow #51.2	BNL	38-468N	124-056W	sRNDBO4WT
1635	140788			ON75	E Live Tow #51.2	BNL	38-470N	124-057W	sRNDBO4WT
1739	140788			ON75	B Live Tow #52.1	OSU	38-454N	123-591W	sRNDBO4WT
1752	140788			ON75	E Live Tow #52.1	OSU	38-456N	123-594W	sRNDBO4WT
1805	140788			PS**	B Light Cast #52.2	JPL	38-457N	123-596W	sRNDBO4WT
1825	140788			PS**	E Light Cast #52.2	JPL	38-457N	123-597W	sRNDBO4WT
1837	140788			TD**	B CTD #52.3	USC	38-459N	123-598W	sRNDBO4WT
1920	140788			TD**	E CTD #52.3	USC	38-465N	124-000W	sRNDBO4WT
2019	140788			TD**	B CTD #53.1	USC	38-452N	123-519W	sRNDBO4WT
2058	140788			TD**	E CTD #53.1	USC	38-455N	123-519W	sRNDBO4WT
2106	140788			ON75	B Live Tow #53.2	BNL	38-456N	123-520W	sRNDBO4WT
2120	140788			ON75	E Live Tow #53.2	BNL	38-456N	123-521W	sRNDBO4WT

#GMT	DMMYY	LOC	T	SAMP	SAMPLE	DISP	LAT.	LONG.	CRUISE
#TIME	DATE	TIME	Z	CODE	IDENTIFIER	CODE			LEG-SHIP
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2210	140788			TD**	B CTD #54.1	USC	38-449N	123-447W	sRNDBO4WT
2232	140788			TD**	E CTD #54.1	USC	38-449N	123-444W	sRNDBO4WT
2238	140788			ON75	B Live Tow #54.2	OSU	38-448N	123-443W	sRNDBO4WT
2249	140788			ON75	E Live Tow #54.2	OSU	38-446N	123-442W	sRNDBO4WT
2333	140788			TD**	B CTD #55.1	USC	38-450N	123-381W	sRNDBO4WT
2354	140788			TD**	E CTD #55.1	USC	38-447N	123-377W	sRNDBO4WT
2359	140788			ON75	B Live Tow #55.2	BNL	38-447N	123-377W	sRNDBO4WT
0010	150788			ON75	E Live Tow #55.2	BNL	38-444N	123-377W	sRNDBO4WT
0157	150788			ONMC	B MOCNESS #56.1	BNL	38-426N	123-524W	sRNDBO4WT
0314	150788			ONMC	E MOCNESS #56.1	BNL	38-445N	123-502W	sRNDBO4WT
0441	150788			TD**	B CTD #57.1	USC	38-378N	123-523W	sRNDBO4WT
0540	150788			TD**	E CTD #57.1	USC	38-377N	123-523W	sRNDBO4WT
0547	150788			ON75	B Live Tow #57.2	OSU	38-377N	123-524W	sRNDBO4WT
0559	150788			ON75	E Live Tow #57.2	OSU	38-377N	123-527W	sRNDBO4WT
0655	150788			TD**	B CTD #58.1	USC	38-379N	123-592W	sRNDBO4WT
0736	150788			TD**	E CTD #58.1	USC	38-383N	123-594W	sRNDBO4WT
0741	150788			ON75	B Live Tow #58.2	BNL	38-384N	123-594W	sRNDBO4WT
0754	150788			ON75	E Live Tow #58.2	BNL	38-384N	123-596W	sRNDBO4WT
0847	150788			TD**	B CTD #59.1	USC	38-380N	124-061W	sRNDBO4WT
0927	150788			TD**	E CTD #59.1	USC	38-387N	124-061W	sRNDBO4WT
0939	150788			ON75	B Live Tow #59.2	OSU	38-388N	124-061W	sRNDBO4WT
0944	150788			ON75	E Live Tow #59.2	OSU	38-388N	124-061W	sRNDBO4WT
1155	150788			TD**	B CTD # 60.1	USC	38-389N	124-134W	sRNDBO4WT
1303	150788			TD**	E CTD #60.1	USC	38-401N	124-133W	sRNDBO4WT

#GMT #TIME	DMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1309	150788			ON75 B	Live Tow #60.2	BNL	38-402N	124-133W	sRNDBO4WT
1325	150788			ON75 E	Live Tow #60.2	BNL	38-404N	124-136W	sRNDBO4WT
1423	150788			TD** B	CTD #61.1	USC	38-380N	124-205W	sRNDBO4WT
1508	150788			TD** E	CTD #61.1	USC	38-385N	124-206W	sRNDBO4WT
1516	150788			ON75 B	Live Tow #61.2	OSU	38-386N	124-207W	sRNDBO4WT
1528	150788			ON75 E	Live Tow #61.2	OSU	38-387N	124-208W	sRNDBO4WT
1628	150788			TD** B	CTD #62.1	USC	38-375N	124-271W	sRNDBO4WT
1711	150788			TD** E	CTD #62.1	USC	38-378N	124-269W	sRNDBO4WT
1718	150788			ON75 B	Live Tow #62.2	BNL	38-378N	124-270W	sRNDBO4WT
1730	150788			ON75 E	Live Tow #62.2	BNL	38-378N	124-273W	sRNDBO4WT
1824	150788			PS** B	Light Cast #63.1	JPL	38-364N	124-344W	sRNDBO4WT
1856	150788			PS** E	Light cast #63.1	JPL	38-358N	124-350W	sRNDBO4WT
1905	150788			TD** B	CTD #63.2	USC	38-356N	124-351W	sRNDBO4
1951	150788			TD** E	CTD #63.2	USC	38-352N	124-354W	sRNDBO4WT
2006	150788			PS** B	STAR cast #63.3	USF	38-347N	124-355W	sRNDBO4WT
2035	150788			PS** E	STAR cast #63.3	USF	38-340N	124-359W	sRNDBO4WT
2042	150788			ON75 B	Live Tow #63.4	OSU	38-339N	124-360W	sRNDBO4WT
2055	150788			ON75 E	Live Tow #63.4	OSU	38-337N	124-362W	sRNDBO4WT
2202	150788			TD** B	CTD #64.1	USC	38-376N	124-410W	sRNDBO4WT
2300	150788			TD** E	CTD #64.1	USC	38-369N	124-410W	sRNDBO4WT
2308	150788			ON75 B	Live Tow #64.2	BNL	38-367N	124-410W	sRNDBO4WT
2321	150788			ON75 E	Live Tow #64.2	BNL	38-363N	124-411W	sRNDBO4WT
0051	160788			TD** B	CTD #65.1	USC	38-376N	124-486W	sRNDBO4WT
0154	160788			TD** E	CTD #65.1	USC	38-370N	124-483W	sRNDBO4WT

#GMT #TIME #	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0203	160788			ON75 B	Live Tow #65.2	BNL	38-370N	124-484W	sRNDB04WT
0219	160788			ON75 E	Live Tow #65.2	BNL	38-367N	124-486W	sRNDB04WT
1634	160788			ONMC B	MOCNESS #66.1	BNL	37-470N	125-263W	sRNDB04WT
1813	160788			ONMC E	MOCNESS #66.1	BNL	37-483N	125-310W	sRNDB04WT
1905	160788			PS** B	Light Cast #66.2	JPL	37-476N	125-336W	sRNDB04WT
1931	160788			PS** E	Light Cast #66.2	JPL	37-476N	125-345W	sRNDB04WT
1938	160788			TD** B	CTD #66.3	USC	37-476N	125-348W	sRNDB04WT
2032	160788			TD** E	CTD #66.3	USC	37-478N	125-357W	sRNDB04WT
2042	160788			PS** B	PAR Cast #66.4	USF	37-477N	125-359W	sRNDB04WT
2055	160788			PS** E	PAR Cast #66.4	USF	37-477N	125-363W	sRNDB04WT
2104	160788			ON75 B	Live Tow #66.5	BNL	37-477N	125-365W	sRNDB04WT
2121	160788			ON75 E	Live Tow #66.5	BNL	37-476N	125-370W	sRNDB04WT
2134	160788			TD** B	Test CTD #66.6	USC	37-476N	125-374W	sRNDB04WT
2148	160788			TD** E	Test CTD #66.6	USC	37-476N	125-376W	sRNDB04WT
2311	160788			ONMC B	MOCNESS #67.1	BNL	37-451N	125-402W	sRNDB04WT
0122	170788			ONMC E	MOCNESS #67.1	BNL	37-487N	125-394W	sRNDB04WT
0349	170788			TD** B	CTD #67.2	USC	37-452N	125-530W	sRNDB04WT
0452	170788			TD** E	CTD #67.2	USC	37-454N	125-551W	sRNDB04WT
0500	170788			ON75 B	Live Tow #67.3	OSU	37-455N	125-555W	sRNDB04WT
0517	170788			ON75 E	Live Tow #67.3	OSU	37-457N	125-566W	sRNDB04WT
0713	170788			ONMC B	MOCNESS #68.1	BNL	37-425N	125-589W	sRNDB04WT
0836	170788			ONMC E	MOCNESS #68.1	BNL	37-449N	126-002W	sRNDB04WT
1437	170788			TD** B	CTD #69.1	USC	37-400N	126-174W	sRNDB04WT
1539	170788			TD** E	CTD #69.1	USC	37-393N	126-192W	sRNDB04WT
1545	170788			ON75 B	Live Tow #69.2	BNL	37-392N	126-194W	sRNDB04WT
1602	170788			ON75 E	Live Tow #69.2	BNL	37-390N	126-203W	sRNDB04WT

#GMT	DDMMYY	LOC T	SAMP	SAMPLE	DISP			CRUISE
#TIME	DATE	TIME Z	CODE	IDENTIFIER	CODE	LAT.	LONG.	LEG-SHIP
1806	170788		PS**	B Light Cast #70.1	JPL	37-359N	126-241W	sRNDBO4WT
1829	170788		PS**	E*Light Cast #70.1	JPL	37-356N	126-248W	sRNDBO4WT
1836	170788		TD**	B CTD #70.2	USC	37-356N	126-250W	sRNDBO4WT
1932	170788		TD**	E CTD #70.2	USC	37-352N	126-253W	sRNDBO4WT
1938	170788		ON75	B Live Tow #70.3	BNL	37-352N	126-254W	sRNDBO4WT
1954	170788		ON75	E Live Tow #70.3	BNL	37-350N	126-260W	sRNDBO4WT
2237	170788		ONMC	B MOCNESS #71.1	BNL	37-208N	126-362W	sRNDBO4WT
0124	180788		ONMC	E MOCNESS #71.1	BNL	37-246N	126-356W	sRNDBO4WT
1655	180788		TD**	B CTD #72.1	USC	37-152N	127-146W	sRNDBO4WT
1752	180788		TD**	E CTD #72.1	USC	37-146N	127-139W	sRNDBO4WT
1805	180788		PS**	B Light Cast #72.2	JPL	37-144N	127-139W	sRNDBO4WT
1835	180788		PS**	E Light Cast #72.2	JPL	37-139N	127-146W	sRNDBO4WT
1852	180788		TD**	B CTD #72.3	USC	37-136N	127-152W	sRNDBO4WT
1944	180788		TD**	E CTD #72.3	USC	37-131N	127-160W	sRNDBO4WT
1951	180788		ON75	B Live Tow #72.4	OSU	37-130N	127-161W	sRNDBO4WT
2008	180788		ON75	E Live Tow #72.4	OSU	37-127N	127-166W	sRNDBO4WT
2042	180788		PS**	B STAR Cast #72.5	USF	37-123N	127-174W	sRNDBO4WT
2112	180788		PS**	E STAR cast #72.5	USF	37-118N	127-185W	sRNDBO4WT
0008	190788		TD**	B CTD #73.1	USC	37-003N	127-151W	sRNDBO4WT
0111	190788		TD**	E CTD #73.1	USC	37-002N	127-153W	sRNDBO4WT
0118	190788		ON75	B Live Tow #73.2	BNL	37-003N	127-154W	sRNDBO4WT
0134	190788		ON75	E Live Tow #73.2	BNL	37-003N	127-158W	sRNDBO4WT
0257	190788		TD**	B CTD #74.1	USC	37-056N	127-149W	sRNDBO4WT
0357	190788		TD**	E CTD #74.1	USC	37-052N	127-154W	sRNDBO4WT

#GMT #TIME	DMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0404	190788			ON75 B	Live Tow #74.2	OSU	37-053N	127-156W	sRNDB04WT
0418	190788			ON75 E	Live Tow #74.2	OSU	37-053N	127-161W	sRNDB04WT
0536	190788			TD** B	CTD #75.1	USC	37-117N	127-160W	sRNDB04WT
0637	190788			TD** E	CTD #75.1	USC	37-113N	127-168W	sRNDB04WT
0644	190788			ON75 B	Live Tow #75.2	BNL	37-112N	127-169W	sRNDB04WT
0700	190788			ON75 E	Live Tow #75.2	BNL	37-111N	127-175W	sRNDB04WT
0830	190788			TD** B	CTD #76.1	USC	37-186N	127-153W	sRNDB04WT
0912	190788			TD** E	CTD #76.1	USC	37-180N	127-150W	sRNDB04WT
0918	190788			ON75 B	Live Tow #76.2	OSU	37-179N	127-150W	sRNDB04WT
0937	190788			ON75 E	Live Tow #76.2	OSU	37-176N	127-154W	sRNDB04WT
1702	190788			TD** B	CTD #77.1	USC	38-200N	126-453W	sRNDB04WT
1749	190788			TD** E	CTD #77.1	USC	38-200N	126-445W	sRNDB04WT
1857	190788			PS** B	Light Cast #77.2	JPL	38-200N	126-443W	sRNDB04WT
1817	190788			PS** E	Light Cast #77.2	JPL	38-199N	126-444W	sRNDB04WT
1824	190788			ON75 B	Live Tow #77.3	BNL	38-199N	126-445W	sRNDB04WT
1839	190788			ON75 E	Live Tow #77.3	BNL	38-199N	126-447W	sRNDB04WT
1851	190788			TD** B	CTD #77.4	USC	38-199N	126-446W	sRNDB04WT
1934	190788			TD** E	CTD #77.4	USC	38-199N	126-442W	sRNDB04WT
1944	190788			PS** B	STAR Cast #77.5	USF	38-199N	126-442W	sRNDB04WT
2016	190788			PS** E	STAR Cast #77.5	USF	38-198N	126-444W	sRNDB04WT
2035	190788			ONMC B	MOCNESS #77.6	BNL	38-201N	126-445W	sRNDB04WT
2221	190788			ONMC E	MOCNESS #77.6	BNL	38-235N	126-446W	sRNDB04WT
1108	200788			TD**	CTD #78.1	USC	37-231N	124-208W	sRNDB04WT
1115	200788			ON75 B	Live Tow #78.2	OSU	37-231N	124-208W	sRNDB04WT
1132	200788			ON75 E	Live Tow #78.2	OSU	37-229N	124-210W	sRNDB04WT

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1255	200788			TD** B	CTD #79.1	USC	37-300N	124-258W	sRNDBO4WT
1339	200788			TD** E	CTD #79.1	USC	37-299N	124-258W	sRNDBO4WT
1345	200788			ONBG B	Bongo #79.2	IOS	37-299N	124-259W	sRNDBO4WT
1359	200788			ONBG E	Bongo #79.2	IOS	37-299N	124-261W	sRNDBO4WT
1505	200788			TD** B	CTD #80.1	USC	37-369N	124-293W	sRNDBO4WT
1552	200788			TD** E	CTD #80.1	USC	37-372N	124-289W	sRNDBO4WT
1601	200788			PS** B	Light Cast #80.2	JPL	37-372N	124-288W	sRNDBO4WT
1625	200788			PS** E	Light Cast #80.2	JPL	37-374N	124-288W	sRNDBO4WT
1721	200788			TD** B	CTD #81.1	USC	37-404N	124-356W	sRNDBO4WT
1812	200788			TD** E	CTD #81.1	USC	37-406N	124-350W	sRNDBO4WT
1814	200788			ON75 B	Live Tow #81.2	BNL	37-406N	124-350W	sRNDBO4WT
1829	200788			ON75 E	Live Tow #81.2	BNL	37-408N	124-349W	sRNDBO4WT
1930	200788			PS** B	Light Cast #82.1	JPL	37-453N	124-388W	sRNDBO4WT
1948	200788			PS** E	Light Cast #82.1	JPL	37-454N	124-385W	sRNDBO4WT
1952	200788			TD** B	CTD #82.2	USC	37-454N	124-385W	sRNDBO4WT
2038	200788			TD** E	CTD #82.2	USC	37-455N	124-376W	sRNDBO4WT
2044	200788			ONBG B	Bongo Tow #82.3	IOS	37-456N	124-375W	sRNDBO4WT
2053	200788			ONBG E	Bongo Tow #82.3	IOS	37-456N	124-375W	sRNDBO4WT
2139	200788			TD** B	CTD #83.1	USC	37-496N	124-423W	sRNDBO4WT
2239	200788			TD** E	CTD #83.1	USC	37-497N	124-417W	sRNDBO4WT
2245	200788			ON75 B	Live Tow #83.2	BNL	37-498N	124-417W	sRNDBO4WT
2300	200788			ON75 E	Live Tow #83.2	BNL	37-497N	124-418W	sRNDBO4WT
2352	200788			PS** B	Light Cast #84.1	JPL	37-543N	124-456W	sRNDBO4WT
0014	210788			PS** E	Light Cast #84.1	JPL	37-541N	124-459W	sRNDBO4WT



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0018	210788			TD** B	CTD #84.2	USC	37-540N	124-459W	sRNDB04WT
0119	210788			TD** E	CTD #84.2	USC	37-540N	124-455W	sRNDB04WT
0123	210788			ONBG B	Bongo Tow #84.3	IOS	37-540N	124-455W	sRNDB04WT
0132	210788			ONBG E	Bongo Tow #84.3	IOS	37-539N	124-456W	sRNDB04WT
0227	210788			TD** B	CTD #85.1	USC	37-589N	124-484W	sRNDB04WT
0320	210788			TD** E	CTD #85.1	USC	37-582N	124-474W	sRNDB04WT
0325	210788			ONBG B	Bongo Tow #85.2	IOS	37-581N	124-474W	sRNDB04WT
0337	210788			ONBG E	Bongo Tow #85.2	IOS	37-578N	124-474W	sRNDB04WT
0346	210788			ON75 B	Live Tow #85.3	OSU	37-576N	124-475W	sRNDB04WT
0403	210788			ON75 E	Live Tow #85.3	OSU	37-572N	124-476W	sRNDB04WT
0504	210788			TD** B	CTD #86.1	USC	38-022N	124-516W	sRNDB04WT
0555	210788			TD** E	CTD #86.1	USC	38-012N	124-511W	sRNDB04WT
0603	210788			ON75 B	Live Tow #86.2	BNL	38-010N	124-512W	sRNDB04WT
0618	210788			ON75 E	Live Tow #86.2	BNL	38-006N	124-516W	sRNDB04WT
0625	210788			ONBG B	Bongo Tow #86.3	IOS	38-003N	124-517W	sRNDB04WT
0638	210788			ONBG E	Bongo Tow #86.3	IOS	37-599N	124-520W	sRNDB04WT
0808	210788			TD** B	CTD #87.1	USC	38-074N	124-541W	sRNDB04WT
0846	210788			TD** E	CTD #87.1	USC	38-071N	124-531W	sRNDB04WT
0853	210788			ONBG B	Bongo Tow #87.2	IOS	38-069N	124-529W	sRNDB04WT
0901	210788			ONBG E	Bongo Tow #87.2	IOS	38-068N	124-528W	sRNDB04WT
0911	210788			ON75 B	Live Tow #87.3	OSU	38-067N	124-527W	sRNDB04WT
0926	210788			ON75 E	Live Tow #87.3	OSU	38-064N	124-526W	sRNDB04WT
1029	210788			TD** B	CTD #88.1	USC	38-106N	124-539W	sRNDB04WT
1110	210788			TD** E	CTD #88.1	USC	38-104N	124-538W	sRNDB04WT

#GMT #TIME #	DDMMYY DATE	LOC TIME Z	T	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1116	210788			ON75 B	Live Tow #88.2	BNL	38-103N	124-538W	sRNDBO4WT
1134	210788			ON75 E	Live Tow #88.2	BNL	38-101N	124-542W	sRNDBO4WT
1136	210788			ONBG B	Bongo Tow #88.3	IOS	38-101N	124-542W	sRNDBO4WT
1155	210788			ONBG E	Bongo Tow #88.3	IOS	38-098N	124-546W	sRNDBO4WT
1319	210788			TD** B	CTD #89.1	USC	38-165N	125-017W	sRNDBO4WT
1424	210788			TD** E	CTD #89.1	USC	38-162N	125-017W	sRNDBO4WT
1442	210788			ON75 B	Live Tow 89.2	OSU	38-161N	125-013W	sRNDBO4WT
1459	210788			ON75 E	Live Tow #89.2	OSU	38-160N	125-010W	sRNDBO4WT
1634	210788			TD** B	CTD #90.1	USC	38-225N	125-051W	sRNDBO4WT
1728	210788			TD** E	CTD #90.1	USC	38-218N	125-045W	sRNDBO4WT
1742	210788			ON75 B	Live Tow #90.2	BNL	38-216N	125-045W	sRNDBO4WT
1755	210788			ON75 E	Live Tow #90.2	BNL	38-214N	125-045W	sRNDBO4WT
1804	210788			ONBG B	Bongo Tow #90.3	IOS	38-213N	125-045W	sRNDBO4WT
1817	210788			ONBG E	Bongo Tow #90.3	IOS	38-210N	125-046W	sRNDBO4WT
2310	210788			PS** B	Light Cast #91.1	JPL	38-577N	124-577W	sRNDBO4WT
2329	210788			PS** E	Light Cast #91.1	JPL	38-576N	124-577W	sRNDBO4WT
0334	260688			CMRT	Drifter #1	SIO	38-120N	123-211W	sRNDBO4WT
0641	260688			CMRT	Drifter #2	SIO	38-103N	123-300W	sRNDBO4WT
0954	260688			CMRT	Drifter #3	SIO	38-221N	123-369W	sRNDBO4WT
0007	270688			CMRT	Drifter #4	SIO	39-065N	124-114W	sRNDBO4WT
0447	270688			CMRT	Drifter #5	SIO	39-202N	124-028W	sRNDBO4WT
0744	270688			CMRT	Drifter #6	SIO	39-184N	124-181W	sRNDBO4WT
1434	010788			CMRT	Drifter Buoy(therm.c)	SIO	38-054N	125-277W	sRNDBO4WT
1237	040788			CMRT	Drifter #7	SIO	39-205N	123-568W	sRNDBO4WT
1306	040788			CMRT	Drifter #8	SIO	39-232N	124-010W	sRNDBO4WT
1321	040788			CMRT	Drifter #9	SIO	39-209N	124-007W	sRNDBO4WT
1335	040788			CMRT	Drifter #10	SIO	39-182N	124-009W	sRNDBO4WT
1359	040788			CMRT	Drifter #11	SIO	39-211N	124-043W	sRNDBO4WT
1424	040788			CMRT	Drifter #12	SIO	39-236N	124-074W	sRNDBO4WT
1450	040788			CMRT	Drifter #13	SIO	39-213N	124-063W	sRNDBO4WT
1513	040788			CMRT	Drifter #14	SIO	39-188N	124-054W	sRNDBO4WT
1540	040788			CMRT	Drifter #15	SIO	39-219N	124-085W	sRNDBO4WT
1603	040788			CMRT	Drifter #16	SIO	39-247N	124-113W	sRNDBO4WT
1638	040788			CMRT	Drifter #17	SIO	39-204N	124-103W	sRNDBO4WT
1704	040788			CMRT	Drifter #18	SIO	39-181N	124-103W	sRNDBO4WT
1731	040788			CMRT	Drifter #19	SIO	39-211N	124-143W	sRNDBO4WT

#GMT #TIME #	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1754	040788			CMRT	Drifter #20	SIO	39-237N	124-181W	sRNDBO4WT
1811	040788			CMRT	Drifter #21	SIO	39-239N	124-197W	sRNDBO4WT
1825	040788			CMRT	Drifter #22	SIO	39-207N	124-195W	sRNDBO4WT
1854	040788			CMRT	Drifter #23	SIO	39-222N	124-240W	sRNDBO4WT
1642	060788			CMRT	Drifter #24	SIO	38-255N	124-165W	sRNDBO4WT
1720	060788			CMRT	Drifter #25	SIO	38-202N	124-197W	sRNDBO4WT
0615	090788			CMRT	Drifter #26	SIO	37-465N	125-526W	sRNDBO4WT
0556	100788			CMRT	Drifter #27	SIO	37-168N	126-093W	sRNDBO4WT
1633	130788			CMRT	Drifter #28	SIO	39-202N	123-566W	sRNDBO4WT
1656	130788			CMRT	Drifter #29	SIO	39-230N	124-004W	sRNDBO4WT
1712	130788			CMRT	Drifter #30	SIO	39-203N	124-002W	sRNDBO4WT
1726	130788			CMRT	Drifter #31	SIO	39-177N	124-000W	sRNDBO4WT
1750	130788			CMRT	Drifter #32	SIO	39-203N	124-038W	sRNDBO4WT
1811	130788			CMRT	Drifter #33	SIO	39-229N	124-075W	sRNDBO4WT
1828	130788			CMRT	Drifter #34	SIO	39-202N	124-072W	sRNDBO4WT
1842	130788			CMRT	Drifter #35	SIO	39-177N	124-068W	sRNDBO4WT
1906	130788			CMRT	Drifter #36	SIO	39-206N	124-107W	sRNDBO4WT
1928	130788			CMRT	Drifter #37	SIO	39-232N	124-142W	sRNDBO4WT
004	130788			CMRT	Drifter #39	SIO	39-178N	124-143W	sRNDBO4WT
2031	130788			CMRT	Drifter #40	SIO	39-205N	124-178W	sRNDBO4WT
2054	130788			CMRT	Drifter #41	SIO	39-232N	124-214W	sRNDBO4WT
2110	130788			CMRT	Drifter #42	SIO	39-204N	124-212W	sRNDBO4WT
2123	130788			CMRT	Drifter #43	SIO	39-178N	124-212W	sRNDBO4WT
2149	130788			CMRT	Drifter #44	SIO	39-205N	124-249W	sRNDBO4WT
0003	140788			CMRT	Drifter #45	SIO	39-070N	124-084W	sRNDBO4WT
1008	150788			CMRT	Drifter #46	SIO	38-394N	124-069W	sRNDBO4WT
1025	150788			CMRT	Drifter #47	SIO	38-411N	124-091W	sRNDBO4WT
1042	150788			CMRT	Drifter #48	SIO	38-389N	124-090W	sRNDBO4WT
1053	150788			CMRT	Drifter #49	SIO	38-395N	124-102W	sRNDBO4WT
1103	150788			CMRT	Drifter #50	SIO	38-392N	124-115W	sRNDBO4WT
1120	150788			CMRT	Drifter #51	SIO	38-369N	124-113W	sRNDBO4WT
1138	150788			CMRT	Drifter #52	SIO	38-385N	124-132W	sRNDBO4WT
2300	180788			CMRT	Drifter #53	SIO	37-038N	127-217W	sRNDBO4WT
2330	180788			CMRT	Drifter #54	SIO	37-002N	127-191W	sRNDBO4WT
0211	190788			CMRT	Drifter #55	SIO	37-034N	127-157W	sRNDBO4WT
0503	190788			CMRT	Drifter #56	SIO	37-089N	127-165W	sRNDBO4WT
1950	130788			CMRT B	Drifter #38 (8013)	SIO	39-199N	124-144W	sRNDBO4WT
2216	180788			CMRT E	Drifter #38	SIO	37-086N	127-224W	sRNDBO4WT

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END SAMPLE INDEX