

**DOCKET NO.: SA-517
EXHIBIT NO. 3-EE**

**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.**

**MICRO-EARTS MSAW ALERTS ON KAL801
AUGUST 6, 1997**

(3 pages)

CDR EDITOR OUTPUT: ZUA
MV MA EXTRACT 1900L - 0342L

DATE:

Sat Aug 2 02:51:59 1997 through Tue Aug 5 17:42:19 1997 [Block(s) 1 - 530]

EDITOR INPUT FILE:

1

EDITOR OUTPUT FILE(S):

19_04L_MS.edt

DATA CLASSES SELECTED:

MV MA

FILTERS SELECTED:

TIME LIMITS: 080597 090000 080597 174200

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
WT VALT X-VIO Y-VIO AP/RWY/R C/P C
09:19:41.803 CMI921 -0131 252.10 255.44 +67 +33 +700 +1991 +750 GTW
1200 252.10 255.44 CUR D

MA: 08/05/97 ACID-ACDF WT C
09:19:41.803 CMI921 -0131 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
WT VALT X-VIO Y-VIO AP/RWY/R C/P C
09:21:05.551 CMI957 -0194 250.59 250.31 -133 +190 +1900 -687 +2031 GTW
1700 248.65 253.08 PRE D
09:21:17.602 CMI957 -0194 250.24 250.84 -126 +186 +1700 -792 +1816 GTW
1700 249.18 252.41 PRE D

MA: 08/05/97 ACID-ACDF WT C
09:21:17.602 CMI957 -0194 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
WT VALT X-VIO Y-VIO AP/RWY/R C/P C
09:21:29.602 CMI957 -0194 250.06 251.42 -117 +182 +1600 -737 +1682 GTW
1700 249.27 252.66 PRE D
09:21:41.652 CMI957 -0194 249.82 251.93 -108 +178 +1400 -767 +1515 GTW
1700 249.82 251.93 CUR D
09:21:54.050 CMI957 -0194 249.63 252.42 -99 +173 +1100 -1237 +1226 GTW
1700 249.63 252.42 CUR D

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15:08:41.200	CMI960C-0367	247.53	254.84	-13	-159	+1100	-637	+1186	GTW
1700		247.53	254.84						CUR D
15:08:53.252	CMI960C-0367	247.78	254.47	+2	-153	+1000	-601	+1081	GTW
1700		247.78	254.47						CUR D
15:09:05.250	CMI960C-0367	248.13	254.25	+19	-143	+1000	-193	+1077	GTW
1700		248.13	254.25						CUR D
15:09:16.902	CMI960C-0367	248.60	254.09	+38	-131	+900	-266	+1011	GTW
1700		248.60	254.09						CUR D
15:09:28.901	CMI960C-0367	249.03	254.02	+57	-115	+800	-335	+921	GTW
1700		249.03	254.02						CUR D
15:11:34.704	CMI960C-0367	252.37	255.42	+109	+30	+200	-58	+255	GTW
1200		252.37	255.42						CUR D

MA: 08/05/97 ACID-ACDF WT C
 15:11:34.704 CMI960C-0367 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
 WT VALT X-VIO Y-VIO AP/RWY/R C/P C

15:15:33.903	C976	-0273	286.64	352.94	+192	-218	+3700	-2406	+3717	GTW
700			291.17	347.78						PRE D
15:15:45.953	C976	-0273	287.51	352.15	+193	-217	+3400	-1916	+3372	GTW
700			292.72	346.28						PRE D

MA: 08/05/97 ACID-ACDF WT C
 15:15:45.953 C976 -0273 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
 WT VALT X-VIO Y-VIO AP/RWY/R C/P C

15:15:57.953	C976	-0273	287.97	351.61	+190	-213	+3200	-1411	+3171	GTW
700			294.50	344.30						PRE D
15:16:10.003	C976	-0273	288.53	350.90	+187	-210	+2900	-1388	+2896	GTW
700			294.38	344.34						PRE D
15:16:22.003	C976	-0273	289.27	350.26	+187	-207	+2700	-1285	+2667	GTW
700			295.09	343.82						PRE D
15:16:39.702	C976	-0273	289.88	349.58	+187	-207	+2400	-1285	+2415	GTW
700			294.97	343.94						PRE D
15:16:51.701	C976	-0273	290.50	348.89	+187	-207	+2200	-1285	+2158	GTW
700			295.11	343.79						PRE D
15:41:08.150	KAL801-0284		244.62	251.95	+149	+29	+1900	-732	+2025	GTW
1700			246.66	252.34						PRE D
15:42:20.302	KAL801-0284		247.12	253.10	+132	+64	+700	-1275	+823	APW
0 0										CUR D

MA: 08/05/97 ACID-ACDF WT C
 15:42:20.302 KAL801-0284 APW D

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MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
 WT VALT X-VIO Y-VIO AP/RWY/R C/P C
 15:42:37.955 KAL801 -0284 247.55 253.31 +132 +64 +500 -1275 +574 APW
 0 0 CUR D
 15:42:49.955 KAL801 -0284 247.99 253.52 +132 +64 +200 -1275 +319 APW
 0 0 CUR D
 16:04:32.753 RYN789 -0294 251.83 253.01 +165 +10 +1800 -1114 +1901 GTW
 700 255.55 253.26 PRE D
 16:06:20.903 RYN789 -0294 253.92 255.96 +84 +93 +1300 -649 +1432 GTW
 1200 255.01 257.16 PRE D
 16:06:33.250 RYN789 -0294 253.35 256.00 +49 +93 +1000 -1074 +1124 GTW
 1200 253.51 256.29 PRE D

MA: 08/05/97 ACID-ACDF WT C
 16:06:33.250 RYN789 -0294 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
 WT VALT X-VIO Y-VIO AP/RWY/R C/P C
 16:06:45.251 RYN789 -0294 252.90 255.79 +13 +84 +700 -1220 +823 GTW
 1200 252.90 255.79 CUR D
 16:06:57.200 RYN789 -0294 252.34 255.51 -21 +67 +400 -1311 +528 GTW
 1200 252.34 255.51 CUR D
 16:32:22.602 AAR262 -0308 244.40 251.84 +187 +97 +2100 -888 +2189 GTW
 1700 247.21 253.31 PRE D
 17:02:12.602 CMI976 -0330 252.14 258.94 -191 -162 +1900 -1157 +1999 GTW
 1200 249.11 256.36 PRE D
 17:02:24.602 CMI976 -0330 251.46 258.46 -195 -156 +1700 -1119 +1788 GTW
 1200 248.84 256.36 PRE D

MA: 08/05/97 ACID-ACDF WT C
 17:02:24.602 CMI976 -0330 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
 WT VALT X-VIO Y-VIO AP/RWY/R C/P C
 17:03:24.301 CMI976 -0330 248.72 256.27 -185 -136 +1500 -435 +1617 GTW
 1700 246.56 254.68 PRE D
 17:03:35.852 CMI976 -0330 248.44 255.82 -176 -134 +1400 -443 +1501 GTW
 1700 247.12 254.82 PRE D

MA: 08/05/97 ACID-ACDF WT C
 17:03:35.852 CMI976 -0330 GTW D

MV: 08/05/97 ACID-ACDF X Y XDOT YDOT EALT ZDOT SALT
 WT VALT X-VIO Y-VIO AP/RWY/R C/P C

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