DOCKET NO. SA- 516

EXHIBIT NO. 23E

NATIONAL TRANSPORTATION SAFETY BOARD WASHINGTON, D.C.

TEST ITEM REQUIREMENTS LIST (TIRL) INSTRUMENTATION LOCATIONS FLIGHT TEST SCHEDULE

(45 Pages)

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| \$\$\$\$\$\$\$\$ \$\$\$\$\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$ | PPPPPPPPPP PPPPPPPPPP PP P | AAAAAAAAA AAAAAAAAAAA AAAAAAAAAAA AA AA | TTTTTTTTTTT TTTTTTTTTTTT TT TT TT TT TT | MM MM MMM MMM MMMM MMMM MM MM MM MM MMM MM MM MM | нн нн нн нн нн нн нн нн нн нн нн нн ннниннннн нн нн нн нн нн нн нн нн нн нн | 55555555555555555555555555555555555555 | $11\\111\\111\\11\\11\\11\\11\\11\\11\\11\\11\\11\\1$ |
|---|---|--|---|---|--|---|---|
| ΓΓΓΓΓΓ Γ <td>000000000000000000000000000000000000</td> <td>BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB</td> <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td> <td>$11 \\ 111 \\ 1111 \\ 11 \\ 11 \\ 11 \\ 11 \\$</td> <td>$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$</td> <td>999999999999 9999999999999 99 99 99 99 999999</td> <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td> | 000000000000000000000000000000000000 | BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $11 \\ 111 \\ 1111 \\ 11 \\ 11 \\ 11 \\ 11 \\ $ | $\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$ | 999999999999 9999999999999 99 99 99 99 999999 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |

START**START****START****START****START****START****START****START**** × ¥ ¥ ¥ **X** JOBID: **JOB01399** ¥ SPATMH51 **X JOB NAME:** ¥ **X** USERID: CICSCTL ¥ P ***** SYSOUT CLASS: Α **X OUTPUT GROUP:** 2 .00001.00001 ¥ **X TITLE:** ¥ × ¥ ***** DESTINATION: LOCAL × * NAME HENRY, THOM 3-800.4P ¥ * ROOM: × * BUILDING: ¥ **X DEPARTMENT:** ¥ ***** ADDRESS: ¥ ¥ ¥ ¥ ¥ ¥ *** PRINT TIME:** 09:04:05 AM ¥ *** PRINT DATE:** 17 JUL 1997 ¥ *** PRINTER:** PRT1 ¥ ***** SYSTEM ID: FTCS ¥ ¥ ¥ ¥ ¥ **START****START****START****START****START****START****START*****START****

07/17/97 0903 PAGE NO: 1

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TEST ITEM CODE: B2.23.0039 ENA/PROJ CNTL NO: 45-6C065 AIRPLANE: RA020 AP MODEL NO: 747-100 TITLE: 747-100 CENTER WING TANK TEMPERATURE AND PRESSURE INVESTIGATION PURPOSE OF TEST: TO OBTAIN SURFACE AND AMBIENT TEMPERATURE DATA OF THE CENTER WING TANK AND WING TIP SURGE TANKS ON THE GROUND AND DURING SPECIFIC FLIGHT CONDITIONS OF A 747-100

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| FLI TEST SPEC SECTION NO | I TIANG |): | | |
|--------------------------|-------------------------|--------------|----------|---------|
| MILITARY NO (TD OR TIS): | PROJEC | T NO: TWASES | | |
| TECHNOLOGY CODE: P FLIG | HT TEST GROUP CODE: EP | SEARCH | CODE: | |
| CHIEF ENGINEER: | | | | |
| PERSONNEL | | PHONE NO | ORG NO | M/S' |
| RESP FT ENGR: SPADJP | PETERS, DANIEL, J | 655-5788 | B-XF03 | 14-KK |
| DIVISION ENGR: | • | | | |
| DIVISION DER: | | | | |
| FT TEST OPERATIONS: | VANNORTWICK, MICHAEL, H | 342-8829 | B-XE04 | 0F-08 |
| FT GROUND OPERATIONS: | REED, DWIGHT, Y | 342-8865 | B-XE03 | 8F-88 |
| FT INSTRUMENTATION: | PUGH, ROBERT, L | 342-2654 | B-X084 | 0F-68 |
| TEST ITEM CREATION DATE: | 86/17/97 | | | |
| ADMINISTRATIVE REVISOR: | PETERS, DANIEL, J | DATE: 07/09 | /97 TIME | : 21:56 |
| INSTRUMENTATION REVISOR: | ODOWD, MICHEAL, D | DATE: 07/08 | /97 TINE | : 12:17 |
| | | | | |

TEST ITEM SCHEDULE INFORMATION

SHORT TITLE: 747-100 CWT TEMP/PRESS MEAS

TEST READINESS DATE: TEST COMPLETION DATE: DATA REQUIRED DATE:

28

ACTUAL TEST ITEN COMPLETION DATE:

| BASELINE ESTIMATE | FLIGHT DEDICATED HOURS 9+00 | TEST CONCURRENT HOURS 8+88 | GROUND DEDICATED HOURS 4+88 | TEST CONCURRENT HOURS | LAST REVISED |
|-------------------|--------------------------------------|-------------------------------------|--------------------------------------|-----------------------------|-----------------|
| PROGRAM ESTIMATE | 28+80 | 0+00 | 1+11 | **6* | 06/17/97 |
| CURRENT ESTIMATE | 0+88 | 0+00 | 8+88 | 8+98 | |
| ACTUAL HOURS | 8+00 | 0+00 | 4+48 | 8+08 | |

X OF HOURS COMPLETED 0X

TOTAL CONDITIONS: FLIGHT & GROUND & OUTSTANDING CONDITIONS: FLIGHT & GROUND 8

SCHEDULING COMMENTS: PLANE MUST BE INSTRUMENTED ON JULY 7-9, 1997. FLIGHT TEST WILL OCCUR LY 10-13, 1997 JU

TEST ITEM CODE: 82.23.0039

TEST ITEM REQUIREMENTS LIST

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UHL RECORD IDS: TRM-GPS 4118 4119 4120

APPLICATION PROGRAMS:

KEYFILE TABLES:

GC EQUATIONS:

SNAPSHOT:

PLOT DESCRIPTORS:

DIRECT INPUT MEASUREMENTS:

TM/CALMS MEASUREMENTS:

THE TOTAL NUMBER OF UNIQUE FTIR MEASUREMENTS ON THIS TIRL IS 209

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TEST ITEN REQUIREMENTS LIST

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TEST OUTLINE:

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TESTING PREREQUISITES: AIRPLANE CONFIGURATION COMMENTS:

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TEST ITEN CODE: 82.23.0839

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INSTRUMENTATION COMMENTS:

NEW DATA REDUCTION REQUIREMENTS:

UNIQUE SUPPORT EQUIPMENT & FACILITIES:

OUTSIDE LAB SUPPORT:

TESTING LIMITATIONS:

METHOD OF EVALUATION AND REPORTING REQUIREMENTS:

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TEST SUCCESS CRITERIA:

ENGINEERS COMMENTS:

TEST ITEM CODE: 82.23.8039

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TEST ITEM REQUIREMENTS LIST

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| 1001 11 | CH CODE. | 52.23.4039 | | | | | |
|----------|----------|--------------|----------|-------|------------|---------|--------|
| UHL NO | TRM-GPS | TITLE TRIMB | E 005 / | - | INTT | | |
| 0112 110 | | TILE INTOD | | INU | AUXILIAR | | |
| | MEAS NO | DATA | TITLE | | LOWER | UPPER | |
| | 1840000 | PRES POS LAT | | 310 | -98. | 90. | UNITS |
| | 1840861 | PRES POS LON | | | | | DEG |
| | 1840002 | GROUND SPEED | | 312 | -180. | 180. | DEG |
| | 1840005 | TRUE HEADING | | | | 4096. | KNOTS |
| | 1840004 | PITCH ANGLE | TRM-GPS | 514 | 0. | 360. | DEG |
| | | | | 324 | -180. | 180. | DEG |
| | 1840985 | ROLL ANGLE | TRM-GPS | 325 | -180. | 189. | DEG |
| | 1849004 | BDY PITCH RT | | | -128. | 128. | DEG/S |
| | 1848997 | BODY ROLL RT | | | -128. | 128. | DEG/S |
| | 1648006 | BODY YAN RT | TRM-GPS | | -128. | 128. | DEG/S |
| | 1846609 | BARO 1 ALT | TRM-GPS | | | 131072. | FEET |
| | 1849919 | UTC FINE | TRN-GPS | 140 | | 1. | SECOND |
| | 1840911 | | TRM-GPS | 150 | ¢. | 23. | HOUR |
| | 1840012 | | TRH-GPS | 150 | ٥. | 59. | HINUTE |
| | 1840013 | DAY ONES | TRM-GPS | 260 | 0. | θ. | |
| | 1840014 | | TRM-GPS | 260 | ٥. | 0. | |
| | 1840015 | YEAR ONES | TRM-GPS | 260 | 0. | 0. | |
| | 1840016 | DAY TENS | TRM-GPS | 260 | 6. | ٥. | |
| | 1849017 | MONTH TENS | TRN-GPS | 260 | Q. | 0. | |
| | 1849918 | YEAR TENS | TRM-GPS | | ٥. | 0. | |
| | 1840019 | IRS ALTITUDE | | | -131072 | 131372. | FEET |
| | 1844029 | UTC SECONDS | TRM-GPS | 150 | ٥. | 59. | SECOND |
| | 1840921 | GPS ALT | TRM-GPS | | -131072 | 131072. | FEET |
| | 1848922 | HDOP | TRM-GPS | 101 | 0. | 1024. | |
| | 1848923 | VDOP | TRM-GPS | 102 | 0. | 1024. | |
| | 1848924 | LATITUDE | TRM-GPS | 110 | -160. | 180. | DEGREE |
| | 1840025 | GPS GND SPD | TRM-GPS | 112 | ٥. | 4096. | KNOTS |
| | 1840026 | FINE LAT WD | TRM-GPS | 120 | ٥. | ٥. | DIM |
| | 1840027 | LAT FINE | TRM-GPS | 120 | 0. | .000172 | DEGREE |
| | 1848028 | FINE LON WD | TRH-GPS | 121 | ٥. | 0. | DIM |
| | 1840029 | LON FINE | TRM-GPS | | Ø. | .000172 | DEGREE |
| | 1840030 | UTC BCD FHT | TRM-GPS | 125 | . | ٥. | |
| | 1840031 | VRT FIG MRT | TRM-GPS | 136 | 0. | 32768. | FEET |
| | 1840032 | GPS N-S VEL | TRM-GPS | 166 | . | 4896. | KNOTS |
| | 1840033 | GPS E-W VEL | TRH-GPS | 174 | 0 . | 4096. | KNOTS |
| | 1840034 | H FIG/MERIT | TRM-GPS | 247 | ٥. | 16. | NM |
| | 1848035 | GPSSU STATUS | TRM-GPS | 273 | 0. | ٥. | |
| | 1846836 | SATS TRACKED | TRM-GPS | 273 | G . | 15. | |
| | 1848037 | SATS IN VIEW | TRM-GPS | 273 | σ. | 15. | |
| | 1840038 | GPSSU MODE | TRM-GPS | 273 | 0. | 7. | |
| | 1840039 | LONGITUDE | TRN-GPS | 111 | -180. | 150. | DEGREE |
| | | | | | | | |
| UML NO | 4118 | TITLE SURFAC | CE TEMPS | TWA 8 | 800 | | |
| | | | | | AUXILIARY | LIMITS | |
| | MEAS NO | DATA | TITLE | | LOWER | UPPER | UNITS |
| | 6170243 | S/T #1R BODY | RIB IN | CWT | -60. | 250. | DEG F |
| | 6178244 | S/T #2R BODY | RIB IN | | -60. | 250. | DEG F |
| | 6178245 | S/T #3R BODY | RIB IN | CWT | -60. | 250. | DEGF |
| | 6170246 | S/T #4R BODY | | | -60. | 250. | DEG F |
| | 6170247 | S/T #1L BODY | | | ~60. | 250. | DEGF |
| | 6170248 | S/T #2L BODY | | | -60. | 250. | DEGF |
| | 6170249 | SIT #3L BODY | RIB IN | | -60. | 250. | DEG F |
| | 6170250 | S/T #4L 30DV | RID IN | | - 60. | 250. | DEGF |
| | | | | 2 | | | |

| | | | | TEST ITEM | REQUIRE | ENTS LIST |
|---------|--------------------|-----------------------------|-------------------------|--------------|--------------|----------------|
| TEST IT | | B2.23.0039 | | | | |
| | 6170253 6170254 | S/T PRONT LT | EXT CWT BITH | -60. | 250. | DEG F 4 |
| | 6178255 | S/T #1 INT | EXT CWT BTTH CWT TOP | -60. -60. | 250. 250. | DEG F |
| | 6170256 | S/T #2 INT | CWT TOP | -60. | 258. | DEGF |
| | 6178257 | S/T #S INT | CWT TOP | -68. | 250. | DEGF |
| | 4179258 | S/T XFEED | TUBE | -60. | 250. | DEGF |
| | 6170259 | S/T RT INT | REAR SPAR | -60. | 258. | DEGF |
| | 6179268 | S/T LT INT | REAR SPAR | -68. | 250. | DEG F_6 |
| | 6170261 | S/T LT PACK | FLOW VALVE | -68. | 258. | DEGF |
| | 6170262 | S/T CEN PACK | FLOW VALVE | -60. | 250. | DEG F |
| | 6170263 | S/T RT PACK | FLOW VALVE | -69. | 250. | DEG F |
| | 6178267 | S/T EXH LVR | HEAT EXCHINGR | -68. | 250. | DEG F |
| | 6170268 6170269 | S/TEXHLVIC S/TEXHLVIC | HEAT EXCHINGR | -68. | 258. | DEG F |
| | 6178270 | S/T LT OUTLT | | -68. -68. | 250. 250. | DEG F DEG F |
| | 6174271 | | H20 SEPERATE | -68. | 250. | DEGF |
| | 6178272 | S/T RT OUTLT | | -68. | 250. | DEG F_q |
| | 6170354 | S/T #1 LBL58 | | -68. | 250. | DEGF |
| | 6170355 | S/T #2 LBL56 | | -60. | 250. | DEGF |
| | 6170356 | S/T #3 LBL58 | | -68. | 258. | DEGF |
| | 6178357 | S/T #4 LBL58 | EXT CWT BYTH | -60. | 250. | DEG F |
| | 6170358 | S/T #5 LBL58 | | -68. | 250. | DEG F |
| | 6170359 | S/T #6 LBL58 | | -69. | 250. | DEG F |
| | 6170360 | S/T #7 LBL58 | | -60. | 250. | DEG F |
| | 6170361 | | EXT CWT BTTH | -60. | 250. | DEG F |
| | 6178362 | S/T #9 LBL58 | | -64. | 250. | DEG F |
| | 6178363 | S/T#10 LBL58 S/T#1 RBL58 | EXT CWT BTTH | -68. -68. | 250. | DEG F DEG F |
| | 6179365 | S/T#2 RBLS8 | EXT CWT BTTH | -60. | 250. 250. | DEGF |
| | 6179366 | S/TES RBL58 | EXT CHT BTTN | -68. | 251. | DEGF |
| | 6170367 | S/T#4 RBLS8 | EXT CWT BTTM | -68. | 250. | DEGF |
| | 6170368 | S/T#5 RBL58 | EXT CWT BTTH | -60. | 250. | DEGF |
| | 6178369 | S/TR6 RBL58 | EXT CHT BTTH | -60. | 259. | DEGF |
| | 6170370 | S/T#7 RBL58 | EXT CWT BTTH | -60. | 259. | DEG F |
| | 6170371 | S/T#8 RBL58 | EXT CWT BTTH | -68. | 250. | DEG F |
| | 6170372 | S/T#9 RBL58 | EXT CWT BTTH | -68. | 250. | DEG F |
| | 6170373 | S/T#10RBL58 | EXT CWT BTTH | -60. | 250. | DEG F |
| | 5441026 | A/CBAY CWT | SURF TEMP #6 | 50. | 150. | DEG F |
| | 5441027 5441028 | A/CBAY CWT A/CBAY CWT | SURF TEMP #7 | 50. | 150. | DEG F |
| | 5441029 | A/CBAY CWT | SURF TEMP #6 | 50. | 150. 150. | DEG F DEG F |
| | 5441030 | A/CBAY CHT | SURF TEMP 10 | 50. 50. | 154. | DEGF |
| | 5441036 | A/CBAY CHT | SURF TEMP 16 | 50. | 150. | DEGF |
| | 5441837 | A/CBAY CWT | SURF TEMP 17 | 50. | 150. | DEG F |
| | 5441038 | A/CBAY CWT | SURF TEMP 18 | 59. | 150. | DEG F |
| | 5441039 | A/CBAY CWT | SURF TEMP 19 | 50. | 150. | DEG F |
| | 5441040 | A/CBAY CWT | SURF TEMP 20 | 50. | 150. | DEG F_To |
| | 5441041 | A/C PACK 1 | HT EX INLET | ٥. | ۹. | DEG F |
| | 5441042 | A/C PACK 1 | COMP OUT TMP | 0. | ۹. | DEGF |
| | 5441043 | A/C PACK 2 | HT EXCH TEMP | •. | | DEGF |
| | 5441844 | A/C PACK 2 | COMP OUT THP | 0. | •. | DEG F |
| | 5441045 5441046 | A/C PACK 3 A/C PACK 3 | HT EX INLET | <u>.</u> | •. | DEGF |
| | 3441849 | A/L FALK 3 | COMP OUTLET | ۹. | •. | DEGF |
| UML NO | 4119 | TITLE ACCELE | ROMETERS ON CW | т | | |
| | | | | AUXILIARY | LINITS | |
| | MEAS NO | | TITLE | LOWER | UPPER | UNITS |
| | 6170347 | ACCEL LONG | AXIS | -30. | 30. | G |
| | | | | | | |

| | | | | TEST ITEM | DEALITEEN | ENTS I TOT |
|-----------|---------|------------------------|--------------------------|--------------|--------------|----------------|
| TEST ITEM | CODE : | B2.23.0039 | | ICal LIGH | REQUIRED | TENIS LISI |
| | 170348 | ACCEL LAT | AXIS | -30. | 30. | G |
| | 170349 | ACCEL YAN | AXIS | -30. | 30. | Ğ |
| 3 | 067311 | AIRSPEED | CAS. CADC #2 | 50. | 459. | К Т |
| 3 | 067312 | ALTITUDE | CADC #2 | -1800. | 50000. | FT |
| 3 | 867313 | MACH NUMBER | CADC #2 | e. | 1. | DIM |
| 6 | 170374 | PITCH INS | | -20. | 30. | DEG |
| | 170375 | ROLL ATITUD | INS | -20. | 30. | DEG |
| | 0101 | IND TOTAL | AIR TEMP NO1 | -60. | 60. | DEG C |
| | 170351 | FQIS SYS | VOLTAGE | 0. | 5. | VAC |
| | 170352 | FQIS SYS | CURRENT | ۹. | 5. | AAC |
| | 170342 | PRESS | FWD BAY | ۹. | ٥. | PSIA |
| | 170343 | PRESS BTWN | SWB24HS | 0. | 8. | PSIA |
| | 170344 | PRESS | REAR BAY | 0. | θ. | PSIA |
| | 170345 | PRESS LT | SURGE TANK | 0 . | ۹. | PSIA |
| • | 178546 | PRESS RT | SURGE TANK | 0. | ٥. | PSIA _ |
| UML NO 4 | 120 | TITLE AMBIEN | IT TEMPS TWA 8 | | | |
| | | | | AUXILIARY | | |
| | EAS NO | | TITLE | LOWER | UPPER | UNITS |
| | 178274 | A/T #6 | FWD BAY #2 | -60. | 250. | DEG F |
| | 170277 | A/T #6 | BAY #3 | -60. | 250. | DEG F |
| | 170279 | A/T #1 LT | FWD BAY #1 | -60. | 250. | DEG F |
| | 170280 | A/T #2 LT | FWD BAY #1 | -68. | 250. | DEG F |
| | 170281 | A/T #5 LT | FWD BAY #1 | -50. | 250. | DEG F |
| | 170282 | A/T #1 RT A/T #2 RT | FWD BAY #1 | -60. | 250. | DEGF |
| | 173284 | A/T 43 RT | FWD BAY #1 | -50. | 250. | DEGF |
| | 170285 | A/T #3 KI | FWD BAY #1 | -60. | 250. | DEGF |
| | 170285 | A/T #2 LT | FWD BAY #2 FWD BAY #2 | -69. | 250. | DEG F |
| | 170287 | X/T #3 LT | FHD DAY #2 | -68. -60. | 250. | DEG F DEG F |
| | 170288 | A/T BI RT | FWD BAY #2 | -60. | 250. 250. | |
| | 170289 | A/T #2 RT | FWD BAY #2 | -60, | 250. | DEG F DEG F |
| | 170290 | A/T #3 RT | FWD BAY 12 | -60. | 250. | DEGF |
| | 179291 | A/T #1 LEFT | HID BAY | -60. | 250. | DEG F |
| | 170292 | A/T #2 LEFT | MID BAY | -40. | 250. | DEGF |
| | 170293 | A/T #3 LEFT | HLD BAY | -69. | 250. | DEGF |
| 6 | 170294 | A/T #1 RIGHT | MID BAY | -60. | 250. | DEGF |
| 5 | 170295 | A/T #2 RIGHT | MID BAY | -60. | 250. | DEGF |
| 6 | 170296 | A/T #5 RIGHT | MID BAY | -50. | 250. | DEG F |
| 6 | 179297 | A/T #1 LEFT | AFT BAY | -60. | 250. | DEGF |
| 6 | 170298 | A/T #2 LEFT | AFT BAY | -60. | 250. | DEG F |
| | 170299 | A/T #3 LEFT | AFT BAY | -60. | 250. | DEG F |
| - | 170300 | A/T #L RIGHT | AFT BAY | -60. | 250. | DEG F |
| | 170301 | A/T #2 RIGHT | AFT BAY | -60. | 250. | DEGF |
| | 170302 | A/T #3 RIGHT | AFT BAY | -63. | 250. | DEG F |
| | 170309 | A/T | VENT #1 | -60. | 120. | DEGF |
| | 170310 | A/T | VENT #2 | -60. | 120. | DEG F |
| | 179311 | A/T | VENT #5 | -60. | 120. | DEG F |
| | 170312 | A/T | VENT #4 | -60. | 120. | DEG F |
| | 170313 | A/T MAIN | GEAR WELL | -68. | 120. | DEGF |
| | 170514 | A/T RT NNG | TANK VENT | -60. | 120. | DEG F |
| | 170315 | A/T RT VNT | CLCTOR CAN | -60. | 120. | DEG F |
| - | 170317 | A/I LEFI | WING VENT | -69. | 120. | DEGF |
| | 170318 | A/T RIGHT | CLCTOR CAN | -63. | 120. | DEGE |
| | 170319 | A/T LEFT | REAR BAY | -60. | 123. | DEG F |
| • | | 4/1 CGF 1 | REAK DAT | -60. | i20. | DEG F |
| | | | | | | |

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| | | | | TEST IT | EM REQUIRE | HENTS L | IST |
| TEST ITEN (| | | | | | | |
| | 78322 | .A/T #1 | BAY #2 | -60. | 250. | DEG F | |
| 617 | 78323 | A/T #2 | BAY \$2 | -68. | 258. | DEG F | |
| 612 | 78324 | A/T #3 | BAY #2 | -60. | . 250. | DEGF | |
| 617 | 78325 | A/T 84 | BAY #2 | -68. | 258. | DEG F | |
| -613 | 78326 | A/T #5 1 | BAY #2 | -60. | 250. | DEG F | |
| 61 | 78327 | A/T #7 | BAY #2 | -60. | 250. | DEG F | |
| 613 | 70328 | A/T #8 FWD | BAY #2 | -60. | 250. | DEG F | |
| | 70329 | A/T 89 | BAY #2 | -60. | 250. | DEG F | |
| | 78338 | A/T 818 | BAY #2 | -60. | 250. | DEG F | |
| | 70331 | A/T #11 | BAY #2 | -60. | 258. | DEG F | |
| | 78332 | A/T #1 | BAY #5 | -69. | 258. | DEG F | |
| | 70333 | A/T #2 | BAY #3 | -68. | 250. | DEGF | |
| | 71334 | A/T 83 | BAY #5 | -60. | 250. | DEGF | |
| | 74335 | A/T 84 | BAY #3 | -68. | 250. | DEGF | |
| | 78336 | A/T #5 | BAY #5 | -69. | 250. | DEGF | |
| | 74337 | A/T #7 | BAY #3 | -68. | 250. | DEGF | |
| | 78338 | A/T #8 | BAY #5 | -68. | 250. | DEGF | |
| | 74539 | A/T 89 | BAY #5 | -60. | 250. | DEGF | |
| | 74348 | A/T #10 | BAY #3 | -68. | 250. | DEGF | |
| | 78341 | A/T #11 | BAY #3 | -60. | 250. | DEGF | 20 |
| | 70376 | | EXT OUT BITH | -68. | 250. | DEGF | |
| | 78377 | | EXT OWT BITH | | 250. | DEGF | |
| | | | EXT CWT BTTH | -60. | | | |
| | 70378 70379 | | EXT OUT BITH | -60. | 259. | DEGF | |
| | 78380 | | EXT CWT BTTH | -68. | 250. | DEGF | |
| | 70381 | | EXT CWT BTTH | -60. | 250. | DEG F | |
| | 70382 | | EXT CWT BTTH | -64. | 254. | DEGF | |
| | 78385 | | EXT ONT BITH | -68. | 250. 250. | DEG F DEG F | |
| | 78384 | | EXT CWT BTTN | -68. | | | |
| | | | EXT CWT BTTH | -69. | 250. | DEGF | 13 |
| | 70385 | | 86 | -68. | 258. | DEG F | ' |
| | 61006 61007 | PACK BAY PACK BAY | \$7 | •• | ••• | DEGF | |
| | | | AHB 88 | | . | DEGF | |
| | 41008 | PACK BAY | | •- | 9. | DEGF | |
| | 61809 | PACK BAY Pack Bay | AMB #9 AMB #14 | 8. | . | DEGF | |
| | 41810 41816 | PACK BAY | AMB #16 | •. | | DEGF | |
| | | PACK BAY | | •• | ! . | DEGF | |
| | 41017 | PACK BAY | AMB #17 | | . | DEG F | |
| | 41918 | | AMB #18 | •. | 0. | DEGF | |
| | 41819 | PACK BAY | ANB #19 | 0. | . | DEGF | 10 |
| | 61820 | PACK BAY | ANB #20 | | | DEG F | |
| | 70386 | A/T #1 TANKS | VENT | -68. | 251. | DEG F | |
| | 70387 | A/T \$2 TANKS | | -60. | 250. | DEG F | |
| | 79366 | A/T TANK4 | VENT | -60. | 254. | DEG F | |
| | 70389 | A/T #1 SRG | TNK OVBD VT OVRBD VENT | -68. | 250. | DEG F | |
| | 78390 | A/T #2 SURGE | | -60. | 250. | DEGF | |
| | 78391 | A/T #1 RT | WNG SURGETNK | -60. | 250. | DEG F | |
| | 78392 | A/T #2 RT | HING SURGETINK | -60. | 250. | DEG F | |
| | 74393 | A/T TANKS | INBD VENT | -60. | 250. | DEG F | |
| | 78394 | A/T TANKS | OTBD VENT TANK3 | -60. | 250. | DEG F | |
| | 78395 | A/T #1 INT | | -68. | 250. | DEG F | 1 |
| •1. | 70396 | A/T #2 INT | TANKS | -60. | 250. | DEGF | |
| | | | | | | | |

TEST ITEN CODE: 82.23.0039 UNIQUE MEASUREMENT NUMBER LIST

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TEST ITEM REQUIREMENTS LIST

07/17/97 0903 PAGE NO 8

| 30101 | 1840000 | 1840001 | 1840002 | 1840003 | 1840004 | 1840005 | 1840006 | 1848887 | 1840008 | 1840809 | 1840010 |
|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1840811 | 1840012 | 1848813 | 1840014 | 1840015 | 1640016 | 1849817 | 1840018 | 1840019 | 1840020 | 1840021 | 1840022 |
| 1840023 | 1840024 | 1840025 | 1848826 | 1840927 | 1844428 | 1848829 | 1840030 | 1840031 | 1840032 | 1840033 | 1840034 |
| 1840935 | 1840036 | 1848037 | 1840038 | 1849039 | 3067311 | 3067312 | 3067313 | 5441006 | 5441007 | 5441888 | 5441009 |
| 5441010 | 5441016 | 5441017 | 5441018 | 5441019 | 5441020 | 5441826 | 5441027 | 5441028 | 5441029 | 5441030 | 5441036 |
| 5441057 | 5441038 | 5441039 | 5441040 | 5441041 | 5441042 | 5441043 | 5441044 | 5441045 | 5441046 | 6170243 | 6170244 |
| 6170245 | 6179246 | 6170247 | 6170248 | 6179249 | 6170250 | 6170251 | 6170252 | 6170253 | 6178254 | 6170255 | 6170256 |
| 6170257 | 6170258 | 6170259 | 6170260 | 6170261 | 6170262 | 6170263 | 6170267 | 6170268 | 6170269 | 6170270 | 6170271 |
| 6170272 | 6170274 | 6170277 | 6170279 | 6170280 | 6170281 | 6170282 | 6170263 | 6170284 | 6170285 | 6170286 | 6170287 |
| 6170288 | 6170289 | 6170290 | 6170291 | 6170292 | 6170293 | 6170294 | 6170295 | 6170296 | 6178297 | 6170298 | 6170299 |
| 6170300 | 6178301 | 6170302 | 6170389 | 6170310 | 6170311 | 6170312 | 6170313 | 6170314 | 6170315 | 6170316 | 6170317 |
| 6170318 | 6170319 | 6170520 | 6170321 | 6170322 | 6178323 | 6170324 | 6170325 | 6170326 | 6170327 | 6170328 | 6170329 |
| 6170334 | \$170331 | 6170332 | 6170353 | 6170334 | 6170335 | 6170336 | 6170337 | 6170338 | 6170339 | 6170340 | 6170341 |
| 6170342 | 6170343 | 6170344 | 6178345 | 6170346 | 6178347 | 6170348 | 6170349 | 6170351 | 6170352 | 6170354 | 6170355 |
| 6170356 | 6170357 | 6170358 | 6170359 | 6170360 | 6170361 | 6170362 | 6170365 | 6170364 | 6170365 | 6170366 | 6170367 |
| 6170368 | 6170369 | 6170378 | 6170371 | 6170372 | 6170373 | 6170374 | 6170375 | 6170376 | 6170377 | 6170378 | 6170379 |
| 6170380 | 6170381 | 6170382 | 6179383 | 6170384 | 6170385 | 6170386 | 6170387 | 6170388 | 6179389 | 6170390 | 6170391 |
| 617.0392 | 6170393 | 6170394 | 6170395 | 6170396 | | | | | | | |
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| TEST IT | EN CODE: 82.2 | 3.0039 | TEST ITEM REQU | FIREMENTS LIST | | | | | | | 7/17/97 AGE NO | 0903 9 | |
|----------------|-----------------------------|--|---------------------------|---|-------------------------------------|----------------|----------------------|--------------------|-------------------|--------------|-------------------|---------------|-----|
| IEAS NO | DATA | NEASUREMENT DESCRIPTI | 0N | RC | : MIN | MAX | , | | FREQ/ SAMPL | FIL | CUTOFF | PWR | Det |
| ECT NO | TITLE | COMMENTS | | MD | | | | ACC | RATE | | HILO | | |
| | MNEMONIC | | | BU | | DA ABEL TY | TA REQU |) E LSB A | SLN | SD EX | | | TI |
| 1 | SOURCE POS SOURCE | | | sc | FACT | SIG UNI | TS OFFS | SPCL | BUS | # OF BITS | | DEI | |
| M | EAS ID | | | | RD POS | - | WORDS | TYPE | LOCAT | | RESP GR | | |
| 030101 | IND TOTAL AIR TEMP NOI | DESCRIPTION: TAT 81 T TEST PROBE | TOTAL AIR TEMPERA | TURE FLIGH HS | -60 | 60 | DEG C | . 6080 | 5 | | | -2 | 2 |
| | | - | | | | | | FTTT | BOD | Y | ¥. | | |
| | - | CONNENT: | 0628 | A D A C | DDED B | Y: RLP (Y: | 62/87/7 6/26/97 | |)¥:)¥: | | SHC 01/1 RLP | 3/92 07/12 | |
| 840000 | PRES POS LAT TRN-GPS 318 | DESCRIPTION: PRESENT T4 | POSITION LATITUD | | -98 M-GPS | 98 310 BA | DEG R 9-29 | 1.716 N | 5 61E-04 HI | , N 21 | ¥ | -4 | 4 |
| | - | CONNENT: CREATED FOR UEL TANK FLIGHT TEST OUT - NNEN NAV SYSTEM HOULD READ CURRENT LA | PREFL IS OPERATIONAL T | 1028 NTSB F O .IGHT CHECK A THIS MEAS S D A C | DDED B ELE B PPROVAL NFLT: | Y: MDO (Y: | 07/98/93 17/98/97 | | 97: 97: | SION: (| | 8/97 07/12 | |
| 840001 1.21 | PRES POS LON TRM-GPS 311 | DESCRIPTION: PRESENT ON4 | POSITION LONGITU | TR | -180 M-GPS 0 | 180 311 BA | | 1.716 N A429 | 5 61E-04 HI | | Y NC | -6 | 4 |
| | - | COMMENT: CREATED FOR UEL TANK FLIGHT TEST | THE EVERGREEN RA | A D A C | DDED B' ELE B' PPROVAL | Y: MDO 0 Y: | 7/08/97 | | Y: Y: | SION: I | | 8/97 07/12 | 2/9 |

| TEST ITEM COD | E: 82.23.0 | 0039 | Ť | EST ITEM REQ | DUIREMENTS L | IST | | | | | | | | 97/17/9 PAGE NO | | |
|-----------------------------|----------------------|-----------------------------|-------------------------|--------------|--------------|--------------------------|-------------------------------|------------|-----------|----------------|--|------------------------|------|-----------------------|-----------------|--------------|
| | | EASUREMENT D MMENTS | ESCRIPTION | | | | MIN VALUE | | AX LUE | UNITS | | FREQ/ SAMPL RATE | | CUTOFF FREQ HIL | | DSPL CODE |
| MNE | MONIC | | | | | BUS | | | DATA | REQD | | | | 01/ | | |
| SOURCE POS | SOURCE | | | | | NAME | | | | | SPCL | BUS | # 0I | F INTR | | |
| MEAS ID | 1 | | | | | | | | | | T HDLO | RATE | BITS | S VALI | DD | ELAY |
| | | | | | | WORD | POS | NO | OF WO | RDS | TYPE | LOCAT | ON | RESP | GRP | |
| 1840002 GROUN 1.21 TRM-G | D SPEED DE PS 312 | SCRIPTION: | GROUND SPEE | D, IRS, VGS4 | 6 | TRM- | 4096 GPS | 489 312 | BNR | | 1.250 N | 10 00E-01 HI | | ¥ | | 1 1 |
| | | | | | | 0 | | | 0 | | A429 | | | NC | | |
| - | | MMENT: CRE EL TANK FLIG | ATED FOR THE | EVERGREEN R | RAO28 NTSB F | ADD DEL APP CNF | ED BV E By Roval LT: | : MDO | 07/0 | 8/97 | LAS APPVD E APPVD E P TH/CA | ¥: ¥: | ION: | | | 7 12/97 |
| 1840003 TRUE 1.21 TRM-G | HEADING DE PS 314 | SCRIPTION: | TRUE HEADIN | G | | HS 0 | | 360 | | DEG | 5.493 | 25 16E-03 | _ N | ¥ | | 22 |
| HG4T | | | | | | 0 | | | 0 | | A429 | HI | 16 | NC | | |
| HG4T - | CO UE | DHMENT: CRE El Tank Flig | ATED FOR THE HT TEST | EVERGREEN R | A028 NTSB F | ADD DEL APP CNF | ED BY E BY ROVAL LT: | : MDO | 07/0 | 8/97 | LAS Appvd B Appvd B P TM/CA | ¥: ¥: | ION: | | /08/9) P 87/ | |
| 1840004 PITCH 1.21 TRM-G | ANGLE DE PS 324 | SCRIPTION: | PITCH ANGLE | LEFT, IRS | | | | 189 324 | BNR | | | 50 63E-02 HI | | Y | | 22 |
| - | | MMENT: CRE L TANK FLIG | ATED FOR THE HT TEST | EVERGREEN R | A028 NTSB F | ADD DEL APP CNF | ED BY E BY ROVAL LT: | : HDO | 07/0 | /08/97 8/97 | A429 LAS Appvd B Appvd B P TN/CA | Y: Y: | | | | |

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|----|--------------------|-----------------------------|-----------------------------|----------------------------|-------------|----------|----------------|------------------------------|------------------------|------------|-------------|------------------|----------------------|------------------------|-------|------------------------|------------------|-----|
| | TEST IT | EN CODE: 82.2 | 3.0039 | | TEST ITEM | REQUIRE | MENTS L | IST | | | | | | | | 7/17/9 PAGE NO | | |
| | MEAS NO SECT NO | DATA TITLE | HEASUREMENT COMMENTS | DESCRIPTION | | • | • | RC MD | MIN VALU | | MAX | UNITS | ACC | FREQ/ SAMPL RATE | | CUTOFF FREQ HILO | | |
| | | NNEHONIC | | | | | | BUS NAME | : ь | ABEL | | REQD | LSB | RSLN | | 017 T | ZERO C | NT |
| | 4 | SOURCE POS SOURCE | | | | | | | | e 10 | | | SPC | L BUS G RATE | | INTR | PL | |
| | н | EAS ID | | | | | • | | POS | | OF W | | TYPE | LOCAT | | RESP | | LAY |
| | 1840005 | ROLL ANGLE TRM-GPS 325 | DESCRIPTION | : ROLL ANGLI | E, IRS, RA4 | 6 | | HS - TRM- | | 18 325 | | | 1.09 N A429 | 50 863E-92 Hi | N | Y | -2 | 2 |
| | | - | COMMENT: CI UEL TANK FL) | REATED FOR TH Ight test | HE EVERGREE | EN RA026 | NTSB F | ADD DEL APP CNF | ED BY E BY ROVAL | Y: ND | D 07/0 | 7/08/97 08/97 | LA APPVD APPVD | | | HDO 07 | /88/97 9 67/1 | |
| | 1840006 1.21 | BDY PITCH RT TRN-GPS 326 | DESCRIPTION | BODY PITCH | H RATE, IRS | 5, PD48 | | HS - TRH- | | 12) 326 | | | | 50 250E-02 Hi | | Y | -2 | 2 |
| | | - | COMMENT: CR UEL TANK FLI | REATED FOR TH IGHT TEST | ie evergree | 5N RA828 | NTSB F | ADD DELI APPI CNF | ED BY E BY ROVAL | r: MDC | D 87/0 | 08/97 | APPVD APPVD | | SION: | | 08/97 9 07/1: | |
| | 1840007 1.21 | BODY ROLL RT TRM-GPS 327 | DESCRIPTION | BODY ROLL | RATE, IRS, | , RD48 | | HS - TRM-(0 | | 12(327 | | DEG/S 16-29 | | 50 250E-02 HI | | Y NC | -2 | 2 |
| | | - | COMMENT: CR UEL TANK FLI | REATED FOR TH | E EVERGREE | IN RAC26 | NTS B F | ADDI DELI APPI CNFI | ED BY E BY ROVAL | /: MD0 | 3 07/0 : | 18/97 | APPVD I Appvd I | BY: | SION: | | 08/97 07/1: | |

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| TEST IT | EN CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0903 PAGE NO 12 |
|--------------------|----------------------------------|---|---|---|---|
| MEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UN | FREQ/ SAMPL FII HITS ACC RATE TEN | CUTOFF L FREG PWR DSPL R HILO 10 CODE |
| | HNEMONIC SOURCE POS SOURCE | | | EQD BITS LSB RSLN | SDI/ EXT ZERO CNT |
| н | EAS ID | | SC FACT SIG UNITS OF WORD POS NO OF WORDS | FSET HOLG RATE B | |
| 1849998 1.21 | BODY YAW RT TRM-GPS 338 | DESCRIPTION: BODY YAW RATE, IRS, YWD4B | HS -128 128 DEG TRM-GPS 330 BNR 16- 0 0 | | |
| | - | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | | APPVD BY: APPVD BY: | |
| 1840009 0.11 | TRM-GPS 204 | DESCRIPTION: ALTITUDE (BARO 1), ADC, H186 | HS -131072 131072 FEE TRM~GPS 204 BNR 12- | | 0 6 N 5 Y |
| | H186 | | 0 0 | A429 | NC |
| H186 | L ADC | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08 ADDED BY: MDO 07/08/9 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | N: MDO 07/08/97 RLP 07/12/97 |
| 1840010 3.21 | UTC FINE TRM-GPS 140 | DESCRIPTION: UTC FINE | HS 0 1.0 SEC TRM-GPS 140 BIN 9- | OND 1 28 9.53674E-07 N HI 20 | -30 N D Y |
| | GPSSU-L | | 0 0 | A429 A429 | NC |
| GPSSU-L | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ADDED BY: MDO 07/08/9 Dele by: Approval CMT: CNFLT: | | 4: MDO 07/08/97 RLP 07/12/97 |

| TEST IT | EN CODE: B2.2 | 3.0039 TEST ITEM REQUIREMENTS L | .15Ť | | | | | | | | 07/17/ PAGE N | | 903 13 | |
|----------------------|----------------------------|---|--------------------------|-------------|------------------------|--------------|----------------|-------------------|------------------------|------|------------------|------------------|-----------|------------|
| NEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MD | MIN VALU | | MAX VALUE | UNIT | S ACC | FREQ/ SAMPL RATE | | CUTOF FREG | Q PI | | DSP COD |
| | MNEMONIC | | BUS | | | DAT/ | | | | | D1/ | | | _ |
| : | SOURCE POS SOURCE | | NAR | | ADEL | TYPE | . BII | S LSB | KSLN 1. BUS | ± 0 | XT F TNT | ZER(TRPL | D CN | т |
| M | EAS ID | | | FACT | | UNITS | - | ET HDU TYPE | | BIT | S VAL | | DEL | AY |
| 840011 | UTC HOUR | DESCRIPTION: UTC HOUR | HS (| | 2 | 5 | HOUR | | 1 | | | • | | |
| 1.21 | TRH-GPS 158 | | TRM- | • | | | 24-28 | 1.80 N A429 | 000E+00 HI | | N | N NC | • | • |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RADOR NTSB F | • | GINA | TOR: | • | 7/88/9 | | ST REVI | STON | | | /97 | |
| TCHRS | -L GPSSU | UEL TANK FLIGHT TEST | ADE DEL APF CNF | | Y: MI Y: L CN1 | 00 87/ Fi | 48/97 | APPVD | BY: | | | RLP 87 | | /97 |
| 840012 1.21 | UTC MINUTES TRM-GPS 150 | DESCRIPTION: GPSSU UTC MINUTES | HS (TRM- | -GPS | 51 15¢ | | MINUT 18-23 | | 1 ***E+*1 | N | | | | 8 |
| | UTCHIN | | ٠ | | | • | | A429 | HI | 6 | N N | ic . | | |
| JTĊMIN | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F UEL TANK FLIGHT TEST | ADD DEL APP CNF | | V 2 H2 V 2 L CH1 | 90 97/ F1 | 98/97 | APPVD | | | | 07/08/ LLP 07 | | /97 |
| 1.21 | DAY ONES TRM-GPS 268 | DESCRIPTION: DAY ONES | HS TRM- | GPS | 268 | BIN | 24-27 | | 1 000E+00 | N | | | • | • |
| | GPSSU-L | | 0 | | | 0 | | N A429 | HI | 4 | N | l IC | | |
| 3 75 5U-L | L GPSSU -L GPSSU | CONNENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TAMK FLIGHT TEST | ADD DEL APP CNF | | Y: MD Y: L CM1 | 10 07/ 1: | 08/97 | APPVD | | | | 7/08/ LP 07 | | /97 |

| TEST ITEN CODE: 82.2 | 3.0039 TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0903 Page No 14 |
|---------------------------------------|---|---|--|---|
| MEAS NO DATA SECT NO TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | FREQ/ SAMPL FIL TS ACC RATE TER | CUTOFF Freq PWR DSPL HILO 10 CODE |
| HNEMONIC | | | | SDI/ EXT ZERO CNT |
| SOURCE POS SOURCE | | | SPCL BUS # | OF INTRPL |
| MEAS ID | | SC FACT SIG UNITS OFF NORD POS NO OF WORDS | TYPE LOCATION | TS VALID DELAY RESP GRP |
| 1.21 TRM-GPS 260 | DESCRIPTION: MONTH ONES | HS TRM-GPS 260 BIN 19-2 | 1 2 1.00000E+00 N HI 4 | 08 N |
| GPSSU-L | ; | 0 0 | A429 | NC |
| L GPSSU GPSSU-L -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/ Added by: Mdo 07/08/97 Dele by: Approval CNT: CNFLT: TIRL TH/CALMS: | APPVD BY: Appvd by: | I: MDO 07/08/97 RLP 07/12/97 |
| 1840015 YEAR ONES 1.21 TRM-GPS 260 | DESCRIPTION: YEAR ONES | HS TRM-GPS 260 BIN 11-1 | | 0 0 N |
| YEARONES | | 0 0 | N HI 4 A429 | N NC |
| L GPSSU YEARONES -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/ ADDED BY: MDO 07/08/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TH/CALMS: | APPVD BY: Appvd by: | : MDO 07/08/97 RLP 07/12/97 |
| 1840016 DAY TENS 1.21 TRM-GPS 260 | DESCRIPTION: DAY TENS | HS TRM-GPS 260 BIN 28-2 | | 0 0 N |
| GPSSU-L | | 0 0 | N HI 2 A429 | N NC |
| L GPSSU GPSSU-L -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TAMK FLIGHT TEST | ORIGINATOR: MDO 07/08/ ADDED BY: MDO 07/08/97 DELE BY: APPROVAL CNT: CNFLT: TIRL TM/CALMS: | 97 LAST REVISION APPVD BY: APPVD BY: AP TM/CALMS: N | : MDO 07/08/97 RLP 07/12/97 |

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|---|--------------------|--------------------------------------|-----------------------------|------------|--------------|----------------|--|----------------------------------|----------------------------------|----------------------------|--------------------------|
| | TEST ITE | EN CODE: 82.2 | 5.0039 | | TEST ITEN | REQUIREMENTS | LIST | - | | 07/17. Page (| /97 0903 NO 15 |
| | NEAS NO SECT NO | DATA TITLE | MEASUREHENT COMMENTS | DESCRIPTIO | N | • ••• | RC HIN MD VALUE | HAX VALUE UNII | FREQ/ SAMPL 'S ACC RATE | CUTO FIL FREE TER HI | |
| | | MNEHONIC | | | | | BUS Name Labe | DATA REG | ID 'S LSB RSLN | SDI/ EXT | ZERO CNT |
| | | POS SOURCE | | | | | SC FACT ST | GUNITS OFF | SPCL BUS | | |
| | ME | EAS ID | | | | | | NO OF WORDS | TYPE LOCAT | | P GRP |
| | 1640017 1.21 | HONTH TENS TRM-GPS 268 GPSSU-L | DESCRIPTION | : Month Te | NS | | HS TRH-GPS 26 | BIN 23-23 | 1 1.08080E+06 N HI A429 | | 9 9 N |
| | | L GPSSU | COMMENT: CI | | THE EVERGREE | N RAO28 NTSB I | F ORIGINATOR | - HDO 07/68/9 HDO 07/68/97 | 7 LAST REVIS | SION: MDO | |
| | g pss u-l | -L GPSSU | | | | | DELE BY: Approval Ci CNFLT: Tirl Th/Cai | | APPVD BY: AP TH/CALMS: N | | |
| | 1840018 1.21 | YEAR TENS TRM-GPS 260 | DESCRIPTION | YEAR TEN | S | | HS TRM-GPS 26 | BIN 15-18 | 1 1.00000E+00 N HI | N 4 I | 0 0 N |
| | | YEARTENS | COMPENT. CI | | THE EVENANCE | | 0 | 0 | A429 7 LAST REVIS | - | NC |
| | YEARTENS | -L GPSSU | UEL TANK FL | | THE EVEROREE | M KAU20 NI30 I | | 4D0 87/88/97 4T: | | | RLP 07/12/97 |
| | 1840019 1.21 | IRS ALTITUDE TRM-GPS 361 | DESCRIPTION | INERTIAL | ALTITUDE, I | RS, H4I | HS -131072 : TRM-GPS 36: | 131072 FEET | 25 | 21 1 | -1 8 V |
| | | - | COMMENT: CI UEL TANK FLI | | THE EVERGREE | N RAC26 NTSB / | | 4DO 07/08/97 4T: | | | 07/08/97 RLP 07/12/97 |
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| TEST ITE | M CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | 07/17/97 8903 PAGE NO 16 |
|--------------------|----------------------------|---|---|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX S | REQ/ CUTOFF ANPL FIL FREQ PWR DSPL ATE TER HILO 19 CODE |
| | MNEMONIC | | BUS DATA REQD NAME LABEL TYPE BITS LSB RS | SDI/ LN EXT ZERO CNT |
| | OURCE POS SOURCE | | SPCL | |
| ME | LAS ID | | SC FACT SIG UNITS OFFSET HOLG | RATE BITS VALID DELAY LOCATION RESP GRP |
| | UTC SECONDS TRH-GPS 150 | DESCRIPTION: UTC SECONDS | MS 0 59 SECOND TRM-GPS 150 BIN 12-17 1.0000 | 1 80 0E+00 N HI 6 N |
| | UTCSEC | | 0 0 A429 | NC |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RAD28 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/97 LAST ADDED BY: MDO 07/08/97 APPVD BY | |
| UTCSEC | -L GPSSU | | DELE BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: AP TH/CAL | : |
| 1840021 3.21 | GPS ALT TRM-GPS 076 | DESCRIPTION: GPS ALTITUDE (MSL) | HS -131072 131072 FEET TRM-GPS 076 BNR 9-29 1.2500 | 1 00 DE-01 N HI 21 Y |
| | GPSSU-L | | 0 A429 | NC NC |
| GPSSV-L | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MD0 07/08/97 LAST ADDED BY: MD0 07/08/97 APPVD BY DELE BY: APPVD BY APPROVAL CMT: CNFLT: TIRL TH/CALMS: AP TM/CAL | : |
| 1840822 3.21 | HDOP TRM-GPS 101 | DESCRIPTION: HDOP | HS 0 1024 TRM-GPS 101 BIN 14-28 3.1250 | 1 -2 2 6E~02 N HI 15 Y |
| | GPSSU-L | | 0 0 A429 | NC |
| GPSSU-L | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/97 LAST ADDED BY: MDO 07/08/97 APPVD BY DELE BY: APPVD BY APPROVAL CMT: CMFLT: TIRL TH/CALMS: AP TH/CALM | : RLP 07/12/97 : |

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| TEST IT | EM CODE: B2.2 | TEST ITEM REQUIREMENTS | I | 07/17/97 0903 PAGE NO 17 |
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| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | FREG/ C MIN MAX SAMPL D VALUE VALUE UNITS ACC RATE | Y CUTOFF . FIL FREQ PWR DS TER HILO 10 CO |
| | MNEMONIC | | US DATA REQD AME LABEL TYPE BITS LSB RSLN | SDI/ EXT ZERO CNT |
| : | SOURCE POS SOURCE | | SPCL BUS | |
| м | EAS ID | | C FACT SIG UNITS OFFSET HDLG RAT | E BITS VALID DELAY |
| | | • | ORD POS NO OF WORDS TYPE LOCA | TION RESP GRP |
| 1840023 3.21 | VDOP TRM-GPS 182 | DESCRIPTION: VDOP | S 0 1024 RM-GPS 102 BIN 14-28 3.12500E-0 N HI | l -2 2 2 N 15 Y |
| | GPSSU-L | | 0 0 A429 | NC |
| GPSSU-L | L GPSSU -L GPSSU | CONNENT: CREATED FOR THE EVERGREEN RA028 NTSB UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/97 LAST REV Added by: Mdo 97/08/97 Appyd by: Dele by: Appyd by: Approval Cht: | ISION: MDO 07/08/97 RLP 07/12/9 |
| | | | CNFLT: TIRL TH/CALHS: AP TH/CALHS: | N |
| 1849024 3.21 | LATITUDE TRM-GPS 110 | DESCRIPTION: GPS LATITUDE | S -189 189 DEGREE RH-GPS 118 BNR 9-29 1.71661E-0 N HI | |
| | GPSSU-L | | 0 0 A429 | NC |
| GPSSU-L | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB UEL TANK FLIGHT TEST | ADDED BY: MDO 07/08/97 APPVD BY: Dele by: AppvD by: Approval CNT: | ISION: MD0 07/08/97 RLP 07/12/9 |
| | | | CNFLT: TIRL TH/CALMS: AP TH/CALMS: | N |
| 1840025 3.21 | GPS GND SPD TRM-GPS 112 | DESCRIPTION: GPS GROUND SPEED | S 0 4096 KNOTS RM-GPS 112 BIN 14-28 1.25000E-0 | |
| | GPSSU-L | | 0 0 A429 | 15 Y NC |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB | | ISION: MDO 07/08/97 |
| GPSSU-L | -L GPSSU | UEL TANK FLIGHT TEST | ADDED BY: MDO 07/08/97 APPVD BY: Dele by: AppvD by: Approval CNT: | RLP 07/12/9 |

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| TEST IT | EN CODE: 82.2 | 3.0039 TEST ITEM REQUIREMENTS L | IST | | 7/17/97 0903 AGE NO 18 |
|--------------------|----------------------------|---|--|---|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNITS | SAMPL FIL | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| | HNEMONIC | | BUS DATA REQD | SDI | 1/ |
| : | SOURCE | | NAME LABEL TYPE BITS | LSB RSLN EXT | T ZERO CNT |
| | POS SOURCE | | SC FACT SIG UNITS OFFSET | SPCL BUS # OF T HDLG RATE BITS | INTRPL VALID DELAY |
| м | EAS ID | | | TYPE LOCATION | RESP GRP |
| 1840026 3.21 | FINE LAT WD TRM-GPS 120 | DESCRIPTION: GPS LATITUDE FINE | HS DIM TRM-GPS 120 DIS 18-28 | 1 N | • н |
| | GPSSU-L | | 0 0 | N HI 11 A429 | N NC |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RAS28 NTS8 F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/97 | LAST REVISION: # | |
| GPSSU-L | -L GPSSU | | APPROVAL CHT: CNFLT: | APPVD BY: | RLP 07/12/97 |
| | | | TIRL TH/CALMS: AF | P TH/CALMS: N | |
| 1840027 3.21 | LAT FINE TRN-GPS 120 | DESCRIPTION: GPS LATITUDE FINE | HS 0000 1.72E-4 DEGREE TRM-GPS 120 BIN 18-28 | 1 8.38190E-08 N | 03 |
| | GPSSU-L | | 0 0 A | N HI 11 429 | N NC |
| | L GPSSU | CONMENT: CREATED FOR THE EVERGREEN RADZO NTSB F | | | 1DO 07/08/97 |
| GPSSU-L | -L GPSSU | UEL TANK FLIGHT TEST | APPROVAL CHT: CNFLT: | APPVD BV: Appvd By: P TM/Calms: N | RLP 07/12/97 |
| 1840028 | FINE LON WD TRM-GPS 121 | DESCRIPTION: GPS LONGITUDE FINE | HS DIM | 1 | 0 н |
| 3.21 | | | TRN-GPS 121 DIS 18-28 | N HI 11 | N |
| | GPSSU-L | | | 429 | NC |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ORIGINATOR: MDO 07/08/97 ADDED BY: MDO 07/08/97 A | | 1DO 07/08/97 RLP 07/12/97 |
| GPSSU-L | -L GPSSU | | | APPVD BY: | RLP 97/12/9/ |

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|---|--------------------|----------------------------|-----------------------------|---------------------------|------------|-----------|----------------|----------------------------------|-----------------------|------------------------|-----------------|--------------------|-------------------------|-----------|-------------------|------------------|
| | TEST IT | EM CODE: 82.2 | 5.0039 | | TEST ITEM | REQUIRE | MENTS L | IST | | | | | | | 7/17/97 AGE NO | 0903 19 |
| | HEAS NO SECT NO | DATA TITLE | MEASUREMENT | DESCRIPTION | | • | • • • | | IN | HAX VALUE | UNITS | ACC | FREQ/ SAMPL RATE | FIL | | PWR DSPL |
| | | MNENONIC | | | | | | BUS | 1 4345 | DATA L TYPE | | LSB | RSI N | SD EX | | RO CNT |
| | | SOURCE POS SOURCE | | | | | | | | | OFFSE | SPC | L BUS | # 0F | INTRPL | |
| | H | EAS ID | | | | | | HORD P | | NO OF W | | TYPE | LOCAT | | RESP GR | |
| | 1848029 3.21 | LON FINE TRN-GPS 121 | DESCRIPTION | : GPS LONGI | tude fine | | | | | 1.72E-4 1 BIN | DEGREE 18-28 | 8-38 N | 1 1906-08 HI | | N | 03 |
| | | OPSSU-L | | REATED FOR T | | | | • | | 8 - | | A429 | - | e 1 0 M . | | |
| | gpssu-l | L GPSSU -L GPSSU | UEL TANK FL | | HE EVERGRE | EN KAUZO | NI 58 P | ADDED DELE APPRO CNIFLT | D BY: BY: Wal C | NDO \$7/ NT: | 88/97 | APPVD I APPVD I | BYa | | | \$7/12/97 |
| | 1840030 3.21 | UTC BCD FMT TRM-GPS 125 | DESCRIPTION | I UTC BCD F | ORMAT HR:M | IIN 23:59 | .9 | HS TRM-GP | ' \$ 12 | 5 DIS | 9-28 | н | 1 HI | N 20 | N | |
| | | GPSSU-L | | | | | | ٠ | | • | | A429 | | | NC | |
| | GPSSU-L | L GPSSU -L GPSSU | COMMENT: CA | REATED FOR T Ight test | HE EVERGRE | EN RAUZ | NTSB F | ADDED DELE APPRO CNFLT | BY: BY: VAL C | MDO 07/ MT: | 88/97 | APPVD I APPVD I | BY: BY: | | NDO 07/0 RLP | 8/97 67/12/97 |
| | 1840031 3.21 | VRT FIG MRT TRM-GPS 156 | DESCRIPTION | : VERTICAL | FIGURE OF | HERIT | | HS 0 | | LMS: 32768 6 BIN | FEET | 1.25 | ALMS: N 1 000E-01 | N | | 0 0 |
| | | GPSSU-L | | | | | | 0 | | · • | | N 4429 | HI | 18 | V NC | |
| | 8PSSU-L | L GPSSU -L GPSSU | COMMENT: CI UEL TANK FLI | REATED FOR T Ight test | HE EVERGRE | EN RAOZE | NTSB F | ADDELE DELE APPRO CNFL1 | DY: BY: DVAL C | MDO 87/ HT: | \$8/97 | APPVD I APPVD I | BY: | SION: | MDO 97/8 RLP | 8/97 07/12/97 |

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| SECT NO TITLE COMMENTS NO NO VALUE UNITS ACC RATE TER HILO 10 CO MMEMONIC SOURCE | TEST IT | EM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | 07/17/97 0903 PAGE NO 20 |
|--|---------|---------------|---|---|-----------------------------------|
| SOURCE POS POS POS POS POS POS POS POS POS POS | | | | RC MIN HAX SAMPL | |
| SOURCE POS SOURCE POS SOURCE POS SOURCE NEAS ID NEAS ID NEAS ID SC FACT SIG UNITS OFFSET HOLD RATE BITS VALID DELAY WORD POS NO OF HORDS TYPE LOCATION RESP ORP 1848032 OPS N-5 VEL DESCRIPTION: GPS NORTH-SOUTH VELOCITY 3.21 TRH-OPS 166 DNR 14-29 1.25000E-01 N OF DOT NO OF HORDS TYPE LOCATION RESP ORP 1848032 OPS N-5 VEL DESCRIPTION: GPS NORTH-SOUTH VELOCITY L GPSSU-L L GPSSU GPSSU-L L GPSSU GPSSU-L L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F OFISITATOR: MOD 07/08/97 APPVD BY: APPROVAL CNT: CMFLT: TIRL TM/CALMS: AP TM/CALMS: N 1846035 OPS E-M VEL DESCRIPTION: GPS EAST - WEST VELOCITY GPSSU-L L GPSSU L GPSSU | | MNEMONIC | | | |
| NEAS ID SC FACT SIG UNITS OFFSET HULG RATE BITS VALID DELAY NORD POS NO OF HORDS TYPE LOCATION RESP GRP 18460322 GPS N-S VEL 3.21 DESCRIPTION: GPS NORTH-SOUTH VELOCITY S.21 HS 0 TRH-GPS 166 6096 0 A429 1 0 0 GPSSU-L 0 0 A429 N N N N GPSSU-L 0 0 A429 N N N N GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: HOD 07/08/97 LAST REVISION: HDO 07/08/97 N RLP 07/12/9 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: HOD 07/08/97 APPVD BY: APPVD BY: APP | : | | | ····· · · · · · · · · · · · · · · · · | |
| WORD POS NO GF HORDS TYPE LOCATION RESP GRP 1840032 GPS N-S VEL DESCRIPTION: GPS NORTH-SOUTH VELOCITY HS 0 4096 KNOTS 1 0 0 3.21 TRM-GPS 166 BNR 14-29 1.25000E-01 N N N NC GPSSU-L 0 0 A429 NC NC NC NC L GPSSU-L 0 0 A429 NC NC GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F ORIGINATOR: MD0 07/06/97 LAST REVISION: MD0 07/06/97 RLP 07/12/9 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/06/97 APPVD BY: RLP 07/12/9 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/06/97 APPVD BY: N HI 16 V GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/06/97 ADDED DY: MD0 07/06/97 ND0 07/06/97 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/06/97 ADDED DY: MD0 07/06/97 NC GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/06/97 ADDED DY: MD0 07/06/97 ND0 07/06/97 | | | | | |
| S.21 TRM-GPS 166 NM NH 16 NH NH 16 NH NH NH NH NK GPSSU-L 0 0 A429 NC NC NC NC GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA020 NTSB F ORIGINATOR: MD0 07/06/97 LAST REVISION: MD0 07/06/97 NC NC GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA020 NTSB F ORIGINATOR: MD0 07/06/97 APPVD BV: APPVD BV: APPVD BV: RLP 07/12/9 GPSSU-L -L GPSSU GPS EAST - MEST VELOCITY HS 0 6005 KMOTS 1 0 0 NC I6460035 GPS E-M VEL DESCRIPTION: GPS EAST - MEST VELOCITY HS 0 6006 KMOTS NK NK I6460035 GPS SU-L L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA020 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 NK NK GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA020 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 RLP 07/12/9 S21 TRM-GPS 247 GPSSU-L -L GPSSU | 140 | EASID | | WORD POS NO OF WORDS TYPE LOCATIO | ON RESP GRP |
| GPSSU-L 0 0 A423 NC L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU GPSSU-L DESCRIPTION: GPS EAST - MEST VELOCITY HS 0 4096 KNOTS 1 0 0 S.21 TRM-GPS 174 TRM-GPS 174 BNR 14-29 1.25000E-01 N N NC GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 ADED BY: MD0 07/08/97 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 ADED BY: MD0 07/08/97 GPSSU-L -L GPSSU GPSSU-L DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 16 NM 1 3 3 GPSSU-L -L GPSSU GPSSU-L D 0 A423 NC L GPSSU-L -L GPSSU GPSSU ORIGINATOR: MD0 | | | DESCRIPTION: GPS NORTH-SOUTH VELOCITY | TRM-GPS 166 BNR 14-29 1.25000E-01 | N |
| UEL TANK FLIGHT TEST ADDED BY: MD0 07/08/97 APPUD BY: DELE BY: APPROVAL CHT: CWFLT: TIRL TH/CALMS: AP TH/CALMS: N RLP 07/12/9 DELE BY: APPROVAL CHT: CWFLT: TIRL TH/CALMS: AP TH/CALMS: N 18460035 GPS E-H VEL 3.21 DESCRIPTION: GPS EAST - HEST VELOCITY S.21 HS 0 4096 KNOTS 1 0 0 GPSSU-L DESCRIPTION: GPS EAST - HEST VELOCITY HS 0 4096 KNOTS 1 0 0 GPSSU-L DESCRIPTION: CREATED FOR THE EVERGREEN RA020 NTSB F ORIGINATOR: MD0 07/08/97 ADDED BY: MD0 07/08/97 LAST REVISION: MD0 07/08/97 ADDED BY: MD0 07/08/97 LAST REVISION: MD0 07/08/97 ADDED BY: MD0 07/08/97 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA020 NTSB F ORIGINATOR: MD0 07/08/97 ADDED BY: MD0 07/08/97 LAST REVISION: MD0 07/08/97 ADDED BY: MD0 07/08/97 GPSSU-L -L GPSSU COMMENT: DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 16 NM 1 3 3 1840034 H FIG MERIT 3.21 DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 16 N <th></th> <th>GPSSU-L</th> <th></th> <th></th> <th></th> | | GPSSU-L | | | |
| GPSSU-L -L GPSSU DELE BY: APPYOUAL CHT: CMPLT: TIRL TH/CALMS: AP TH/CALMS: N 18460335 GPS E-W VEL DESCRIPTION: GPS EAST - WEST VELOCITY HS 0 4096 KNOTS 1 0 0 3.21 TRM-GPS 174 DELE BY: APPYOUAL CHT: TIRL TH/CALMS: AP TH/CALMS: N N HI 0 0 GPSSU-L 0 0 A429 N N HI 0 0 L GPSSU-L 0 0 A429 NC N RLP 07/12/9 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 RLP 07/12/9 GPSSU-L -L GPSSU COMMENT: DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 16 NH 1 3 3 S.21 TRM-GPS 247 GPSSU-L 0 0 A4229 NC NHI 18 Y GPSSU-L L GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F 0 16 NH 1 3 3 L GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F 0 | | L GPSSU | | | |
| 3.21 TRM-GPS 174 TRM-GPS 174 BNR 14-29 1.25000E-01 N GPSSU-L 0 0 A429 L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU UEL TANK FLIGHT TEST ADDED BY: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU SECRIPTION: HORIZONTAL FIGURE OF HERIT APPROVAL CMT: CNFLT: TIRL TM/CALMS: AP TH/CALMS: N 18440034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF HERIT HS 0 16 NM 1 3 3 18440034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF HERIT HS 0 16 NM 1 3 3 18440034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF HERIT HS 0 16 NM 1 3 3 18440034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF HERIT HS 0 16 NM 1 3 3 18440034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF HERIT HS 0 16 NM 1 3 3 18400 GPSSU-L L GPSSU <th>GPSSU-L</th> <th>-L GPSSU</th> <th>UEL TANK FLIGHT TEST</th> <th>DELE BY: APPVD BY; Approval CMT: CNFLT:</th> <th>REP 07/12/97</th> | GPSSU-L | -L GPSSU | UEL TANK FLIGHT TEST | DELE BY: APPVD BY; Approval CMT: CNFLT: | REP 07/12/97 |
| GPSSU-L 0 <th0< th=""> 0 0 0 <th< th=""><th></th><th></th><th></th><th>TRM-GPS 174 BNR 14-29 1.25000E-01</th><th>N</th></th<></th0<> | | | | TRM-GPS 174 BNR 14-29 1.25000E-01 | N |
| UEL TANK FLIGHT TEST ADDED BY: HDO 07/08/97 APPVD BY: RLP 07/12/9 DELE BY: APPVD BY: APPVD BY: APPVD BY: APPROVAL CMT: CNFLT: TIRL TH/CALMS: AP TH/CALMS: N 1840034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 16 NM 1 3 3 3.21 TRM-OPS 247 BIN 11-28 6.10352E-05 N GPSSU-L GPSSU-L 0 0 0 A429 NC L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: HDO 07/08/97 APPVD BY: RLP 07/12/9 UEL TANK FLIGHT TEST OR THE EVERGREEN RA028 NTSB F ORIGINATOR: HDO 07/08/97 APPVD BY: RLP 07/12/9 DELE BY: APPVD BY: RLP 07/12/9 DELE BY: APPVD BY: RLP 07/12/9 | | GPSSU-L | | | |
| GPSSU-L -L GPSSU DELE BY: APPVD BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: AP TH/CALMS: N 1840034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 1 3 3 1840034 H FIG MERIT DESCRIPTION: HORIZONTAL FIGURE OF MERIT HS 0 1 3 3 3.21 TRM-GPS 247 TRM-GPS 247 N HI 1 3 3 GPSSU-L 0 0 A429 NC NC N NC NC L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB F ORIGINATOR: MD0 07/06/97 LAST REVISION: MD0 07/06/97 GPSSU-L -L GPSSU -L GPSSU APPVD BY: RLP 07/12/9 GPSSU-L -L GPSSU -L GPSSU APPVD BY: APPVD BY: GPSSU-L -L GPSSU -L GPSSU APPVD BY: APPVD BY: | | L GPSSU | | | |
| 3.21 TRM-GPS 247 TRM-GPS 247 N HI 18 Y GPSSU-L 0 0 A429 NC L GPSSU-L 0 0 A429 NC UEL TANK FLIGHT TEST ADDED BY: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 GPSSU-L -L GPSSU GPSSU GPSSU-L -L GPSSU GPSSU GPSSU-L -L GPSSU GPSU | GPSSU-L | -L GPSSU | UEL TANK FLIGHT TEST | DELE BY: APPVD BY: APPROVAL CMT: CNFLT: | RLP 07712/47 |
| GPSSU-L D A429 NC L GPSSU-COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F ORIGINATOR: MD0 07/08/97 LAST REVISION: MD0 07/08/97 UEL TANK FLIGHT TEST ADDED BY: MD0 07/08/97 APPVD BY: RLP 07/12/9 GPSSU-L -L GPSSU APPVD BY: APPVD BY: GPSSU-L -L GPSSU APPVD BY: APPVD BY: CNFL: CNFL: CNFL: | | | DESCRIPTION: HORIZONTAL FIGURE OF MERIT | TRM-GPS 247 BIN 11-28 6.10352E-05 | |
| UEL TANK FLIGHT TEST ADDED BY: MDO 07/08/97 APPVD BY: RLP 07/12/9 GPSSU-L -L GPSSU GPSSU-L -L GPSSU APPROVAL CMT: CNFLT: CNFLT: | | GPSSU-L | | | |
| | GPSSU-L | | | ADDED BY: MDO 07/08/97 APPVD BY: Dele by: AppvD by: Approval CMT: CNFLT: | ION: HDO 07/08/97 RLP 07/12/97 |

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| TEST ITE | M CODE: 82.2 | 5.0039 TEST ITEM REQUIREMENTS | | | | | | | | 87/17/9 PAGE NO | | |
|--------------------|-----------------------------|---|--------------------------|-------------------------|--------------|--------------------|------------|------------------------|---------|-----------------------|-------------------|------|
| NEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION CONHENTS | RC MI ND VAL | | MAX | UNITS | | FREQ/ SAMPL RATE | | CUTOFF FREQ HIL | PWR | |
| | HNEMONIC | | BUS | | DATA TYPE | REQD | LSBR | | | DI/ KT | ZERO | ~ |
| | OURCE POS SOURCE | | NORTH C | | 1176 | 9113 | SPCL | | = 0 | | | |
| | EAS ID | | SC FACT | SIG | UNITS | OFFSET | | | BIT | | | ELAY |
| | | | WORD PO | IS NO | D OF W | ORDS 1 | TYPE | LOCAT | ION | RESP | GRP | |
| 1840835 3.21 | GPSSU STATUS TRM-GPS 273 | DESCRIPTION: GPSSU STATUS | HS TRM-GPS | | | 9-31 | | 1 | | | | a e |
| 3.21 | GPSSU-L | | IKH-GPS | 213 | 015 | | N 1429 | HI | N 23 | N | | |
| | L GPSSU | CONNENT: CREATED FOR THE EVERGREEN RA028 NTSB | • | | • | | | T DEVI | | MDO 87 | - | - |
| BPSSU-L | -L GPSSU | UCHNENT: CREATED FOR THE EVERAREEN RAV20 NISD T UEL TANK FLIGHT TEST | ADDED DELE APPROV | BY: HE BY: AL CHI | 00 67/ | 88/97 / | | ¥: | 51041 | | (/08/9. _P 07/ | |
| | | | CNFLT: TIRL T | | 4S : | AF | TH/CA | LMS: N | | | | |
| | SATS TRACKED TRM-GPS 273 | DESCRIPTION: NUMBER OF SATELLITES TRACKED | HS Ø TRM-GPS | 1! 273 | | 20-23 | 1.000 N | 1 00E+00 HI | | ¥ | | 8 8 |
| | GP\$\$U-L | | ٠ | | • | | 429 | | • | NC | | |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA025 NTSB (UEL TANK FLIGHT TEST | | | | 7/88/97 88/97 / | | | SION: | MD0 07 | /08/9 | |
| GPSSU-L | -L GPSSU | GEL PROM FEIGHT (EG) | DELE APPROV CNFLT: | BY: AL CHI | | | PPVD B | | | K. | | 12/7 |
| | | | TIRL T | H/CALH | 45 : | AF | TH/CA | LHS: N | | | | |
| 1840037 3.21 | SATS IN VIEW TRM-GPS 273 | DESCRIPTION: NUMBER OF SATELLITES IN VIEW | HS O TRN-GPS | 1! 273 | | 16-19 | | 1 00E+00 | | | 1 | 8 0 |
| | BPSSU-L | | 0 | | 0 | | N \429 | ні | 4 | Y NC | : | |
| | L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA026 NTSB I | | | | 7/08/97 | | | SION: | MDO 07 | | |
| | -L GPSSU | UEL TANK FLIGHT TEST | DELE | | 0 077 | 08/97 4 | NPPVD B | | | 81 | .P 07/1 | 12/9 |

| TEST IT | EH CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | 87/17/97 Page no | 0903 22 |
|--------------------|--------------------------|--|--|--|---------------------|
| MEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX ND VALUE VALUE UNIT | FREQ/ CUTOFF SAMPL FIL FREQ 'S ACC RATE TER HILO | PWR DSPL 10 CODE |
| | MNEMONIC | | BUS DATA REG NAME LABEL TYPE BIT | | ZERO CNT |
| 1 | SOURCE POS SOURCE | | SC FACT SIG UNITS OFFS | SPCL BUS # OF INTRP SET HDLG RATE BITS VALID | |
| M | EAS ID | | WORD POS NO OF WORDS | TYPE LOCATION RESP G | |
| 1840038 3.21 | | DESCRIPTION: MODE. 0 = SELF TEST. 1 = INIT. 2 = ACQUISITION. 3 = NAVIGATION. 6 = ALT/CLOCK AIDING. 5 = DIFFERENTIAL. | HS 0 7 TRM-GPS 273 BIN 26-20 | 1 1.00000E+00 N N HI 3 Y | 0 0 |
| | GPSSU-L | 6 = AIDED. 7 = FAULT. | 0 0 | A429 NC | |
| GPSSU-L | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ADDED BY: MDO 07/08/97 DELE BY: Approval CMT: CNFLT: | | 08/97 07/12/97 |
| 1840039 3.21 | LONGITUDE TRM-GPS 111 | DESCRIPTION: GPS LONGITUDE | HS -180 186 DEGRE TRM-GPS 111 BNR 9-29 | E 1 1.71661E-04 N | -4 4 |
| | GPSSU-L | | 0 0 | N HI 21 Y A429 NC | |
| GPSSU-L | L GPSSU -L GPSSU | COMMENT: CREATED FOR THE EVERGREEN RA028 NTSB F UEL TANK FLIGHT TEST | ADDED BY: MDO 07/08/97 Dele by: Approval CMT: CNFLT: | APPVD BY: RLP APPVD BY: | 08/97 07/12/97 |
| 3067311 0.10 | AIRSPEED CAS,CADC #2 | DESCRIPTION: COMPUTED AIRSPEED, CADC #2, CAS, | | AP TH/CALMS: N 3.000 10 | -2 1 |
| | | | | ELEC EEBA ST | |
| | - | COMMENT: CADC SYNCHRO OUTPUT E1-5 SHELF DISCON NECT, B166. 0 DEG = 100 KTS, 360 DEG = 600 KTS. Hookup: DB 164B, 56-X, 57-Y, 58-Z | ORIGINATOR: MRD 10/24/4 ADDED BY: DJP 06/23/97 DELE BY: APPROVAL CNT: CNFLT: | 2 LAST REVISION: MRD 10/ Appvd by: RLP Appvd by: | 26/92 9 07/12/97 |

CNFLT: TIRL TM/CALMS: AP TM/CALMS: N

| | | | | | 67/1 | 7/97 0903 |
|--------------------|------------------------|---|---|--|--------------------------|--------------------------------|
| TEST ITE | EM CODE: 82.2 | 3.0039 TEST ITEM REQUIREMENTS L | 121 | | PAGE | |
| HEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC HIN MAX MD VALUE VALUE | FRE SAM UNITS ACC RAT | PL FIL FR | DFF EQ PWR DSI LO 10 COL |
| | MNEHONIC | | BUS DATA NAME LABEL TYPE | REQD BITS LSB RSLN | SDI/ EXT | ZERO CNT |
| | SOURCE POS SOURCE | | SC FACT SIG UNITS | | US 8 OF II ATE BITS V | NTRPL ALID DELAY |
| | EAS ID | | HORD POS NO OF WOR | DS TYPE LO | CATION RE | SP GRP |
| 3067312 0.10 | ALTITUDE CADC #2 | DESCRIPTION: ALTITUDE, CADC #2, | HS -1000 50000 F | T 100.0 | 10 | 8 8 Y |
| | | | | ELEC | EEBA | ST |
| | - | COMMENT: CADC SYNCHRO OUTPUT E1-5 SHELF, B164. • DEG = • FEET; 360 DEG = 135,000 FEET. HOOKU P: DB164B, 4-K, 5-Y, 6-Z | | | EVISION: MRD | 10/26/92 RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/CALHS | 1: N | |
| 3067313 0.10 | MACH NUMBER CADC #2 | DESCRIPTION: MACH NUMBER, CADC #2, | HS 0 1 D | IN 50E-4 | 58 | -3 3 |
| | | | | ELEC | EEBA | Y ST |
| | - | COMMENT: CADC SYNCHRO OUTPUT E1-5 SHELF, B164. | ORIGINATOR: MRD 12/ ADDED BY: DJP 06/23 DELE BY: Approval CMT: CMFLT: | 11/92 LAST R /97 APPVD BY: APPVD BY: | EVISION: MRD | 02/03/93 RLP 07/12/97 |
| | | | TIRL TH/CALHS: | AP TH/CALHS | ii N | |
| 5441006 5.07 | PACK BAY | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK B/ Y > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT LBL 22 BETWEEN REAR SPAR AND SPANNISE BEAM #1 | | EG F 4.200 | 1 | -2 2 Y |
| | | AT LOL 22 DETWEEN KEAK SPAK AND SPANNISE DEAP & | | TEMP | ACBY | S |
| | - | COMMENT: | ORIGINATOR: BEJ 05/ ADDED BY: DJP 06/19 DELE BY: APPROVAL CHT: CNFLT: | | EVISION: DJP | 04/25/97 RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/CALMS | : N | |

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| TEST ITEM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0903 PAGE NO 24 |
|---|--|--|--------------------------------------|---|
| MEAS NO DATA SECT NO TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC HIN MAX MD VALUE VALUE UNITS | FREQ/ SAMPL FIL S ACC RATE TER | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| NNEMONIC Source Pos Source Meas ID | | BUS DATA REQUIRED SC FACT SIG UNITS OFFSU | S LSB RSLN | SDI/ EXT ZERO CNT OF INTRPL TS VALID DELAY RESP GRP |
| 5441007 PACK BAY 5.07 87 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA Y > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT LBL 22 BETWEEN SPANNISE BEAM \$1 AND HID SPAR | HS-60 250 DE0 F | 4.200 1 TEMP ACBY | -2 2 Y S |
| - | COMMENT: | ORIGINATOR: BEJ 05/29/9 ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TN/CALMS: | | : DJP 06/25/97 RLP 07/12/97 |
| 5441008 PACK BAY 5.07 AMB #8 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA Y > FOUR INCHES BELOW CENTER HING TANK. LOCATE AT LBL 22 BETWEEN MID SPAR AND SPANWISE BEAM #2 | HS -60 250 DEG F | 4.200 1 TEMP ACBY | -2 2 Y S |
| - | COMMENT: | ORIGINATOR: BEJ 05/29/9 ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | : DJP 06/25/97 RLP 07/12/97 |
| 5441009 PACK BAY 5.07 AMB #9 | DESCRIPTION: TEMPERATURE, ANBIENT < A/C PACK BA Y > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT LBL 22 BETWEEN SPAN WISE BEAM B2 AND SPANWISE BEAM #3 | | 4.200 l Temp acby | -2 2 Y S |
| - | COMMENT: | ORIGINATOR: BEJ 05/29/9 ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: | | : DJP 06/25/97 RLP 07/12/97 |

| TEST ITER | CODE: 82.2 | 3.0039 TEST ITEM REQUIREMENTS L | IST | | | | | | | | | | 07/17 PAGE | | 903 25 | |
|-----------------|---------------------|--|--------------------------|---------------|--------------------|------------|--------------|----------------|----------|-------------------------|------------------------|------------|---------------|------------------|-----------|------------|
| NEAS NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC Mid | MIN VALL | | | AX LUE | UNI | TS | | FREQ/ SAMPL RATE | FIL TER | CUTO FRE | ่ฅ | | DSP COD |
| | MNEHONIC | | BUS | F 1 | | | | | QD TS | LSB P | e 11 | | SDI/ Ext | ZERO | | |
| | OURCE POS SOURCE | | | | | - | | | | SPCL | BUS | | DF IN | RPL | | • |
| HEA | NS ID | • | | FACT D POS | | | NITS OF W | | | HDLG YPE | LOCAT | | resi | .ID PGRP | DEL | AY |
| 5441018 5.07 | PACK BAY AND #10 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA V > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT LBL 22 BETWEEN SPANWISE BEAM 83 AND FRONT SPA R | | -60 | | 250 | | DEG | | 4.288 EHP | 1 ACB | | | | -2 | 2 |
| | - | COMMENT: . | ADD DEL APP CNF | | SY: SY: AL C | DJP HT: | 0671 | 5/29/ 19/97 | A | PPVD B PPVD B | | | | 16/25/ ILP 07 | | 297 |
| 5.07 | PACK BAY AMB #16 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA Y > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT RBL 22 BETWEEN REAR SPAR AND SPANWISE BEAM 81 | HS - | -60 | | 250 | | DEG | | 4.200 EMP | 1 ACB | | 1 | | -2 | 2 |
| | - | COMMENT: | ADD DEL APP CNF | | IV: IV: NL C | DJP MT: | 0671 | 5/03/ 19/97 | A | PPVD B PPVD B | | | | 16/25/ ILP 01 | | /97 |
| 5441017 5.07 | PACK BAY AMB #17 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA Y > FOUR INCHES BELON CENTER WING TANK. LOCATE AT RNB 22 BETWEEN SPANNISE BEAM #1 AND MIDSPAR | HS - | -60 | | 250 | | DEG | F | 4.288 | 1 | | | , | -2 | 2 |
| | | | | | | | | | T | emp | ACB | ¥ | \$ | | | |
| | - | COMMENT: | ADD | DED B | IY: IY: | DJP | | /03/ 9/97 | A | LAS PPVD 8 PPVD 8 | | SION | | 6/25/ LP 07 | | / 97 |

| TEST ITE | M CODE: B2.2 | TEST ITEM REQUIREMENTS L | IST | | 87/17/97 8983 PAGE NO 26 |
|--------------------|---------------------|---|---|--|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UN | FREQ/ SAMPL FIL ITS ACC RATE TER | CUTOFF FREQ PWR DSPL R HILO 10 CODE |
| s | MNEMONIC | | | EQD Its lsb rsln | SDI/ EXT ZERO CNT |
| - | POS SOURCE | | SC FACT SIG UNITS OF | | OF INTRPL ITS VALID DELAY |
| | | | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP |
| 5441018 5.07 | PACK BAY AMB #18 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA V > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT RBL 22 BETWEEN MID SPAR AND SPANHSE BEAM #2 | HS -60 250 DEG | F 4.208 1 | -2 2 Y |
| | N | COMMENT: | | TEMP ACBY | S |
| ١ | - | | ORIGINATOR: BEJ 06/03. ADDED BV: DJP 06/19/9: DELE BV: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | 7 APPVD BY: APPVD BY: | 4: DJP 06/25/97 RLP 07/12/97 |
| 5441019 5.07 | PACK BAY AMB #19 | DESCRIPTION: TEMPERATURE, AMBIENT < A/C PACK BA Y > FOUR INCHES BELOW CENTER WING TANK. LOCATE AT RBL 22 BETWEEN SPANWISE BEAM #2 AND SPANWISE BEAM #3 | | AP TH/CALMS: N F 4.200 1 TEMP ACBY | -2 2 Y S |
| | - | COMMENT: | ORIGINATOR: BEJ 06/03 ADDED BY: DJP 06/19/9 DELE BY: APPROVAL CNT: CNFLT: TIRL TM/CALMS: | | 4: DJP 06/25/97 RLP 07/12/97 |
| 5441020 5.07 | PACK BAY Amb #20 | DESCRIPTION: TEMPERATURE, AMBIENT $<$ A/C PACK BA Y $>$ FOUR INCHES BELOW CENTER WING TANK. LOCATE AT RBL 22 BETWEEN SPANDWISE BEAM #3 AND FRONT SP AR | HS -60 250 DEG | F 4.200 1 TEMP ACBY | -2 2 Y S |
| | - | COMMENT: | ORIGINATOR: BEJ 06/03. Added by: DJP 06/19/93 Dele by: Approval CMT: CNFLT: | 7 APPVD BY: Appvd by: | I: DJP 06/25/97 RLP 07/12/97 |
| | | | TIRL TM/CALMS: | AP TH/CALMS: N | |

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|---|--------------------|-----------------|--------|---|------------|----------|-------------|-----------|--------------------------|--------------|--------------|-------------|-------|--------------------|------------------------|----------|-----------------------|------------------|-------------|
| | TEST IT | ем соре | : B2.2 | 5.0039 | | TEST I | TEM REQUIRE | EMENTS LI | ST | | | / | | | | | 7/17/9 AGE NO | | |
| | MEAS NO SECT NO | | TA | MEASUREMENT | DESCRIPTIO | N | | • | RC MD | MIN VALUE | | MAX ALUE | UNITS | . ACC | FREQ/ SAMPL RATE | | CUTOFF FREQ HIL | PWR | |
| | | MNEH | ONIC | | | | | | BUS | | 1 1 1 | | REQI | LSB | P¢I M | SI ED | 11/ | ZERO C | чи т |
| | : | SOURCE POS S | OURCE | | | | | | | | | | | SPC | LBUS | | INTR | PL | ~ ' |
| | н | EAS ID | | | | | | | | | | | | | G RATE | | | | LAY |
| | | | | | | | | | NOR |) POS | NO | OFW | xDS | TYPE | LOCAT | ION | RESP | GRP | |
| | | | | DESCRIPTION: NDITIONING I HERMOCOUPLE WISE BEAM 81 | ACK BAY, C | ENTER WI | NG TANK > L | OCATE T | HS ! | 50 | 15 | • | DEG F | 4.200 TEMP | ACB' | ¥ | Y S | 2 | 2 2 |
| | | | | COMMENT: | | | | | ADI DEI API CNI | | I DJ | P 0671 | | APPVD | | SION: | | /05/97 P 07/1 | |
| | 5441027 5.05 | | | DESCRIPTION: NDITIONING I HERMOCOUPLE ND NID SPAR | ACK BAY, C | ENTER WI | NG TANK > L | OCATE T | | | 15 | - | | 4.280 TEMP | 1 ACB | v | Y S | 2 | 2 2 |
| | | - | | COMMENT: | | | | | ADI DEI API CNI | | CHT | P 867) 1 | 9/97 | APPVD I APPVD I | | SION: | | /85/97 P 87/1 | |
| | 5441828 5.05 | | | DESCRIPTION: NDITIONING / HERMOCOUPLE ISE BEAM #2 | ACK BAY, C | ENTER WI | NG TANK > L | OCATE T | HS ! | 58 | 15 | • | DEG F | 4.288 TEMP | I ACB | ¥ | Y S | 2 | 2 2 |
| | | - | | COMMENT: | | | | | ADI DEI API CN | | CHT | P 8671 | 9/97 | APPVD I APPVD I | | SION: | | /05/97 P 67/1 | |

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| TEST IT | EM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0903 PAGE NO 28 |
|-----------------|----------------------------|---|--|--------------------------------------|---|
| MEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX ND VALUE VALUE UNIT | FREQ/ SAMPL FIL S ACC RATE TER | CUTOFF FREQ PWR DSPL HILO 18 CODE |
| | MNEHONIC | | BUS DATA REG | | SDI/ EXT ZERO CNT |
| : | SOURCE POS SOURCE | | | SPCL BUS # | OF INTRPL |
| н | EAS ID | | SC FACT SIG UNITS OFFS HORD POS NO OF WORDS | TYPE LOCATION | TS VALID DELAY RESP GRP |
| 5441029 5.05 | A/CBAY CWT Surf temp #9 | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TANK > LOCATE T HERMOCOUPLE AT LBL 22 BETHEEN SPANWISE BEAM \$2 A ND SPANWISE BEAM \$3 | HS 50 150 DEG F | 5 4.200 1 TEMP ACBY | 2 2 Y S |
| | - | COMMENT: | ORIGINATOR: BEJ 05/29/9 ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | : BEJ 06/05/97 RLP 07/12/97 |
| 5441030 5.05 | | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TANK > LOCATE T HERMOCOUPLE AT LBL 22 BETWEEN SPANWISE BEAM \$\$ A ND FRONT SPAR | HS 50 150 DEG F | 4.200 1 TEMP ACBY | 2 2 Y •S |
| | - | COMMENT : | ORIGINATOR: BEJ 05/29/1 ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | I: BEJ 06/05/97 RLP 07/12/97 |
| 5441036 5.05 | | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TANK > LOCATE T HERMOCOUPLE AT RBL 22 BETWEEN REAR SPAR AND SPAN WISE BEAM #1 | HS 50 150 DEG F | 4.200 i TEMP ACBY | 2 2 Y S |
| | - | COMMENT: | ORIGINATOR: BEJ 06/03/9 ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | I: BEJ 06/05/97 RLP 07/12/97 |
| | | | | | |

| TEST ITE | EM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0904 PAGE NO 29 |
|----------------|----------------------------|---|---------------------------------------|------------------------------------|-------------------------------------|
| HEAS NO | DATA TITLE | MEASUREMENT DESCRIPTION CONMENTS | RC MIN MAX MD VALUE VALUE UNITS | FREQ/ SAMPL FIL ACC RATE TER | CUTOFF FREQ PWR DS HILO 10 CO |
| | MNEMONIC | | BUS DATA REQD NAME LABEL TYPE BITS | | SDI/ EXT ZERO CNT |
| : | SOURCE POS SOURCE | | SC FACT SIG UNITS OFFSET | SPCL BUS # 0 | DF INTRPL TS VALID DELAY |
| ME | EAS ID | | WORD POS NO OF WORDS T | YPE LOCATION | RESP GRP |
| | | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TANK > LOCATE T MERNOCOUPLE AT RBL 22 BETWEEN SPANNISE BEAM SI A ND MIDSPAR | | 4.200 1 TEMP ACBY | 2 2 Y S |
| | - | COMMENT: | APPROVAL CHT: CNFLT: | | : BEJ 06/05/97 RLP 07/12/9 |
| | | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TANK > LOCATE T HERMOCOUPLE AT RBL 22 BETWEEN HID SPAR AND SPANN ISE BEAM \$2 | | 4.200 1 TEMP ACBY | 2 : Y S |
| | - | COMMENT : | APPROVAL CHT: CHFLT: | | : BEJ \$6/85/97 RLP \$7/12/9 |
| 441039 5.05 | A/CBAY CWT SURF TENP 19 | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TANK > LOCATE T HERMOCOUPLE AT RBL 22 BETWEEN SPANNISE BEAM #2 A ND SPANNISE BEAM #3 | | 4.268 1 TEMP ACBY | 2 : V S |
| | - | COMMENT: | APPROVAL CHT: CNFLT: | | : BEJ 06/05/97 RLP 07/12/9 |

| TEST ITE | EN CODE: B2.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0904 Page no 30 |
|--------------------|----------------------|---|---|---------------------------------------|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | FREQ/ SAMPL FIL TS ACC RATE TER | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| | MNEMONIC | | BUS DATA RE NAME LABEL TYPE BI | | SDI/ EXT ZERO CNT |
| | SOURCE POS SOURCE | | SC FACT SIG UNITS OFF | | OF INTRPL TS VALID DELAY |
| HE | EAS ID | | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP |
| 5441040 5.05 | | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK BAY, CENTER WING TAMK > LOCATE T MERNOCOUPLE AT RBL 22 BETWEEN SPANWISE BEAM #3 A ND FRONT SPAR | HS 50 150 DEG | F 4.280 1 TEMP ACBY | 2 2 V S |
| | - | COMMENT: | ORIGINATOR: BEJ 06/03/ ADDED BY: DJP 06/19/07 DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: | | : BEJ 06/05/97 RLP 07/12/97 |
| | | DESCRIPTION: TEMPERATURE, SURFACE <air condi<br="">TIGNING PACK #1 UPPER SURFACE > LOCATE ON UPPER SURFACE OF INLET TO HEAT EXCHANGER</air> | HS -60 258 DEG | F 4.200 1 TEMP ACBY | 2 2 Y S |
| | - | COMMENT : | ORIGINATOR: BEJ 05/29/ ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CNT: CNFLT: TIRL TM/CALMS: | | 1: DJP 06/25/97 RLP 07/12/97 |
| 5441042 5.05 | | DESCRIPTION: TEMPERATURE, SURFACE <air condi<br="">TIONING PACK #1 UPPER SURFACE > LOCATE ON UPPER SURFACE OF COMPRESSOR OUTLET</air> | HS -60 250 DEG | F 4.200 1 TEMP ACBY | 2 2 V S |
| | - | COMMENT: | ORIGINATOR: BEJ 05/29/ ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: | | I: DJP 07/02/97 RLP 07/12/97 |
| | | | TIRL TM/CALMS: | AP TH/CALMS: N | |

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| | TEST IT | EN CODE: 82.2 | 3.0039 | | TEST IT | TEM REQU | IREMENTS L | IST | | | | | | | | | 7/17/9 AGE NO | | |
| | MEAS NO SECT NO | DATA | MEASUREMENT COMMENTS | DESCRIPTI | DN | | • | | MIN VALUE | | MAX ALUE | UNI | IS AC | | PL I | FIL | CUTOFF FREQ HIL | PWR | |
| | | MNEHONIC | | | | | | BUS | | | | | | | | SD EX | 1/ | T | |
| | | SOURCE POS SOURCE | | | | | | | | | | | | PCL B | us | # 0F | INTR | | SNT |
| | н | EAS ID | | | | | | SC F | ACT | SIG | UNITS | OFF | ET HI | DLG R | ATE | BITS | VALI | D DE | ELAY |
| | | | | | | | | NORD | POS | NC |) of + | ORDS | TYPE | ŁO | CATI | ON | RESP | GRP | |
| | | A/C PACK 2 HT EXCH TENP | | C #2 UPPER | SURFACE > | LOCAT | E THERMOCO | HS - | 60 | 25 | 50 | DEG | - 4.2 Темр | | 1 ACBY | | Y S | : | 22 |
| | | - | CONNENT: | | | | | ADD DEL APP CNF | ED BY E BY ROVAL | СИТ | JP 06/ F: | 15/29/9 19/97 | | D BY: D BY: | | IONI | DJP 96 RL | /25/97 P 07/1 | |
| | 5441044 5.05 | A/C PACK 2 COMP OUT THP | DESCRIPTION TIONING PACE UPLE ON UPPE | (#2 UPPER | SURFACE > | LOCAT | E THERMOCO | HS - | 60 | 25 | 50 | DEG F | 4.2 | | 1 ACBY | | YS | 1 | 22 |
| | | • | COMMENT: | | | | | ADD DEL APP CNF | | CMT | IP 06/ [: | 19797 | | BY: BY: | | ION: | DJP 06 RL | /25/97 P 07/1 | |
| | | A/C PACK 3 HT EX INLET | | C 83 UPPER | SURFACE > | LOCAT | E THERMOCO | HS - | 60 | 25 | 58 | DEG P | 4.2 | | 1 | | ¥ | 1 | 2 2 |
| | | - | COMMENT: | | | | | ADD DEL APP CNF | ED BY E BY ROVAL | : DJ CMT | IP 06/ '1 | 19/97 | | AST R D BY: D BY: | | ION: | S DJP 07 RL | /02/97 P 07/1 | |

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| TEST ITEM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0904 PAGE NO 32 |
|---|---|---|--|---|
| MEAS NO DATA SECT NO TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | FREQ/ SAMPL FIL TS ACC RATE TER | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| MNENONIC SOURCE POS SOURCE MEAS ID | · | BUS DATA RE NAME LABEL TYPE BI SC FACT SIG UNITS OFF | TS LSB RSLN SPCL BUS # | SDI/ EXT ZERO CNT OF INTRPL TS VALID DELAY |
| 5441046 A/C PACK 3 | DESCRIPTION: TEMPERATURE, SURFACE < AIR CO NDITIONING PACK UPPER SURFACE > LOCATE THERMOCO UPLE ON UPPER SURFACE OF COMPRESSOR OUTLET | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP 2 2 Y |
| - | COMMENT : | ORIGINATOR: BEJ 05/29/ ADDED BY: DJP 06/19/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TH/CALMS: | APPVD BY: APPVD BY: | S 1: DJP 06/25/97 RLP 07/12/97 |
| 6170243 S/T #IR BODY 2.17 RIB IN CWT | DESCRIPTION: TEMPERATURE, SURFACE #1. ON RIGHT SIDE OF BODY RIB INSIDE CHT. BETWEEN SPANNISE BE AMS 2 AND 3. | HS -60 250 DEG 1 | F 1 TEMP BODY | 0 0 Y EP |
| - | COMMENT: THERMOCOUPLE SHOULD BE EQUIDISTANT FRO M TOP AND BOTTOM AND CENTERED LONGITUDINALLY IN EACH BAY. | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | APPVD 3Y: Appvd by: | : DJP 07/02/97 RLP 07/12/97 |
| 6170244 S/T #2R BODY 2.17 RIB IN CWT | DESCRIPTION: TEMPERATURE, SURFACE #2. ON RIGHT SIDE OF BODY RIB INSIDE CWT. BETWEEN SPANWISE B EAN 2 AND MIDSPAR. | HS -60 250 DEG | F 1 TEMP BODY | 0 0 Y EP |
| - | COMMENT: THERMOCOUPLE SHOULD BE EQUIDISTANT FRO M TOP AND BOTTOM AND CENTERED LONGITUDINALLY IN EACH BAY. | ADDED BY: DJP 06/20/97 DELE BY: Approval CMT: CNFLT: | 97 LAST REVISION APPVD BY: APPVD BY: AP TM/CALMS: N | I: DJP 07/02/97 RLP 07/12/97 |

| TEST IT | EM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | | | | 07/17 PAGE | /97 890 NO 3 | |
|------------------|----------------------|--|---|----------------------------|--------------------|---|------------------------------|---------------------|--------------------------|-------------|
| EAS NO ECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MD VALUE | | UNITS | | FREQ/ SAMPL FI RATE TE | CUTO FRE R HI | Q PHF | |
| | MNEMONIC | | BUS NAME LA | | | LSB R | SLN | SDI/ | ZERO | CNT |
| | Source Pos Source | | SC FACT | SIG UNITS | OFFSEI | | | OF IN ITS VA | | DELAY |
| M | EAS ID | | WORD POS | NO OF I | IORDS 1 | TYPE | LOCATION | RES | P GRP | |
| | | DESCRIPTION: TEMPERATURE, SURFACE #3. ON RIGHT Side of Body Rib Inside CMT. Between Mid Spar A ND Spanwise Bean #1. | | 251 | DEG F | TEMP | 1 BODY | | Y EP | 0 0 |
| | - | CONNENT: THERHOCOUPLE SHOULD BE EQUIDISTANT FRO In Top and Bottom and Centered Longitudinally in Each Bay. | | /: DJP 06/ /: . CMT: | 20/97 / | | 14: 14: | | 07/02/9 RLP 07/ | |
| 170246 2.17 | | DESCRIPTION: TEMPERATURE, SURFACE 84. ON RIGHT Side of Body RIB Inside CNT. Betheen Spanni Se Beam 81 and Rear Spar. | HS -60 | 258 | DEG F | ГЕМР | 1 BODY | | Y EP | 0 (|
| | - | CONMENT: THERMOCOUPLE SHOULD BE EQUIDISTANT FRO M TOP AND BOTTOM AND CENTERED LONGITUDINALLY IN EACH BAY. | ORIGINAT ADDED BY DELE BY APPROVAL CNFLT: TIRL TM/ | (1 DJP 66) (1 . CNT1 | 20/97 / | LAS APPVD B APPVD B P TH/CA | 14: 14: | | 07/02/9 RLP 07/ | |
| 2.17 | | DESCRIPTION: TEMPERATURE, SURFACE #1. ON LEFT S IDE OF BODY RIB INSIDE CWT. BETWEEN SWB 2 AND 3. | HS -68 | 250 | DEG F | | 1 | | Y | |
| | - | COMMENT: THERMOCOUPLE SHOULD BE EQUIDISTANT FRO In top and bottom and centered longitudimally in Each bay. | ORIGINAT ADDED BY DELE BY Approval CNFLT: TIRL TM/ | (: DJP 06/ /: , CHT: | 06/19/97 /28/97 | LAS LAS APPVD 1 APPVD 1 APPVD 1 | IV: IV: | N: DJP | EP 07/02/1 RLP 07/ | 97 /12/9 |

07/17/97 0904 PAGE NO 34 TEST ITEM REQUIREMENTS LIST TEST ITEM CODE: 82.23.4839 FREQ/ CUTOFF SAMPL FIL FREQ PMR DSPL UNITS ACC RATE TER HI---LO 10 CODE MEASUREMENT DESCRIPTION MAX VALUE HIN MEAS NO SECT NO DATA RC HIN HD VALUE COMMENTS HINEMONIC DATA TYPE REQD BITS LSB RSLN SDI/ BUS ZERO CNT LABEL NAME EXT SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID WORD POS NO OF WORDS TYPE LOCATION RESP GRP 6170246 S/T #2L BODY DESCRIPTION: TEMPERATURE, SURFACE #2. ON LEFT S HS -60 2.17 RIB IN CWT IDE OF BODY RIB INSIDE CWT. BETWEEN SWB 2 AND MID SPAR. 250 DEG F 1 0 0 TEMP BODY ÉP CONMENT: THERMOCOUPLE SHOULD BE EQUIDISTANT FRO N TOP AND BOTTOM AND CENTERED LONGITUDINALLY IN EACH BAY. EACH BAY. ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/97 CNFLT: TIRL TH/CALMS: AP TH/CALHS: N 6170249 S/T #3L BODY DESCRIPTION: TEMPERATURE, SURFACE #3. ON LEFT S HS -60 2.17 RIB IN CHT IDE OF BODY RIB INSIDE CHT. BETWEEN HID SP AR AND SWB 1. 250 DEG F 1 0 0 ĒΡ TEMP BODY COMMENT: THERNOCOUPLE SHOULD BE EQUIDISTANT FRO ORIGINATOR: DJP 06/19/97 LAST REVISION: DJP 07/02/97 TOP AND BOTTOM AND CENTERED LONGITUDINALLY IN ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/97 EACH BAY. DELE BY: APPVD BY: APPVD BY: CONFLT: TIRL TM/CALMS: AP TM/CALMS: N -6170250 S/T #4L BODY DESCRIPTION: TEMPERATURE, SURFACE #4. ON LEFT S HS -60 250 2.17 RIB IN CWT IDE OF BODY RIB INSIDE CWT. BETWEEN SWB 1 AND REAR SPAR. DEG F 1 . . TEMP BODY EP COMMENT: THERMOCOUPLE SHOULD BE EQUIDISTANT FRO M TOP AND BOTTOM AND CENTERED LONGITUDINALLY IN EACH BAY. ORIGINATOR: DJP 06/19/97 LAST 0 ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: LAST REVISION: DJP 07/02/97 VD BY: RLP 07/12/97 . CNFLT: TIRL TM/CALMS: AP TH/CALNS: N

| | - | | | | | TEST | ITEM | REQUI | REMENT | S LIS | т | | | | | | | | 07/17 | | |
|---------|-------------|----------------------|-------------------------------------|----------|----------|--------|--------------------|--------|--------------------|-------|-----------------------------------|------------------------|--------------|------------------|----------|----------------|------------------------|------------|-------------------|------------------|----------|
| TEST I | TENC | ODE: 82.2 | 3.6439 | | | | | | - | | | | | | | | - | | PAGE | | 35 |
| NEAS NO | | DATA TITLE | MEASUREME COMMENTS | INT DESC | RIPTION | 1 | | • | • • • | | C NI D VAI | | HAX VALUE | UN | TS | ACC | FREQ/ SAMPL RATE | | CUTO FRE HI | Q P1 | NR 18 |
| | H | NEMONIC | | | | | | | | | US | LABEL | DAT | | OD TS | LSB | SLN | | VID: TXC | ZER | |
| | SOUR POS | CE SOURCE | | | | | | | | | | | | | | SPC | L BUS | | × IN | TRPL | |
| ï | NEAS | ID | | | | | | | | | IC FAC | | | 'S OF7 WORDS | | HDL PE | G RATE | - | | LID P GRP | DE |
| | | | | | | | | | | | | | | | | | | 104 | REJ | r okr | |
| 2.17 | | | DESCRIPTI E OF CWT BLEED DU | BOTTON | | | | | | | IS -68 | 2 | 51 | DEG | | | 1 | | | Y | -1 |
| | | | | | | | | | | | | | | | | MP | BOI | | | EP | |
| | - | | COMMENT : | EVG 74 | \$7-188, | THA BI | 00 IN | VESTIG | ATION. | | ADDED DELE APPROV CNFLT: | BY: D BY: /AL CH | JP 06 IT: | 06/20/ /23/97 | AF | PVD 1 PVD 1 | B¥ : | | | 06/20/ RLP 0 | |
| | | | | | | | | | | | TIRL 1 | | | | | | ALMS: H | | | | |
| 2.17 | EXT | CWT BTTM | DESCRIPTI TTOH ABOV THE REAR | E RIGHT | SIDE O | F PHEI | UHATI | C BLEE | ON CHIT ID DUCT | AT | 13 - 68 | 2 | 50 | DEG | | | BOI | | | Y | -1 |
| | | | COMMENT: | EVG 74 | 7-148. | - | | VESTIC | ATTON. | | 001013 | | D.12 | 86/19/ | | | ST REVI | • | | | /97 |
| | - | | | | | | | | | | | BY: D BY: /AL CH | UP 86 | /20/91 | AP | | BY: | | | RLP 0 | |
| | | | | | | | | | | | TIRL 1 | | MS: | | AP | TH/C | ALMS: N | ا . | | | |
| 2.17 | \$/T EXT | FRONT LT CWT BTTH | DESCRIPTI TTOM ABOV THE FRONT | E LEFT | SIDE OF | PNEU | ATIC | BLEED | ON CWT | 80 F | IS -68 | 2 | 50 | DEG | F2 | | 1 | | , | , | -1 |
| | | | | | | | | | | | | | | | TE | MP | BOD | Y | I | ËP | |
| | - | | COMMENT: | EVG 74 | 7-100, | TWA 81 | 00 IN ⁴ | VESTIG | ATION. | | | BY: D BY: /AL CH | UP 06 | 86/19/ /20/97 | AP | | | SION: | | 06/20/ RLP 07 | |
| | | | | | | | | | | | TIRL 1 | | MS : | | AP | TH/C | ALMS: N | I | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| TEST ITEM CODE: 82.2 | 3.0439 | 121 | | PAGE NO 36 |
|--|---|---|--------------------------------------|---|
| MEAS NO DATA Sect no title | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | FREQ/ SAMPL FI ITS ACC RATE TE | CUTOFF L FREQ PWR DSPL R HILO 10 CODE |
| MNEMONIC | | | EQD | SDI/ |
| SOURCE | | NAME LABEL TYPE BI | ITS LSB RSLN | EXT ZERO CNT |
| POS SOURCE | | SC FACT SIG UNITS OFF | | OF INTRPL ITS VALID DELAY |
| HEAS ID | | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP |
| 6170254 S/T REAR LT 2,17 EXT CWT BTTM | DESCRIPTION: TEMPERATURE, SURFACE #2. ON CWT BO TTOM ABOVE LEFT SIDE OF PNEUMATIC BLEED DUCT AT THE REAR OF THE LOWER TANK SURFACE. | HS -60 250 DEG | F 2.000 1 | -1 1 Y |
| | | | TEMP BODY | EP |
| - | COMMENT: | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: | APPVD BY: APPVD BY: | N: DJP 06/20/97 RLP 07/12/97 |
| | | TIRL TH/CALMS: | AP TH/CALHS: N | |
| 6170255 S/T #1 INT 2.17 CWT TOP | DESCRIPTION: TEMPERATURE, SURFACE #1. ON INTERI OR CWT ROOF IN THE CENTER OF THE AFT BAY (LEFT S IDE). | HS -60 250 DEG | F 2.000 1 | -1 1 Y |
| | | | TEMP BODY | EP |
| ~ | COMMENT: | ORIGINATOR: DJP 06/19/ Added by: DJP 06/20/97 Dele by: Approval CMT: CNFLT: | Y APPVD BY: Appvd by: | N: RLP 07/12/97 |
| | | TIRL TH/CALMS: | AP TH/CALMS: N | |
| 6170256 S/T #2 INT 2.17 CWT TGP | DESCRIPTION: TEMPERATURE, SURFACE #2. ON INTERI OR CWT ROOF BETWEEN MID-SPAR AND SPANWISE BEAM 2 | HS -60 250 DEG | F 2.000 1 | -1 1 Y |
| | • | | TEMP BODY | EP |
| - | CONMENT : | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: | | N: RLP 07/12/97 |
| | | TIRL TH/CALMS: | AP TH/CALMS: N | |

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| 2.23.9039 TEST ITEN REQUIR | EMENTS LIST 07/17/97 0904 PAGE NO 37 |
|---|---|
| MEASUREMENT DESCRIPTION COMMENTS | FREQ/ CUTOFF RC MIN MAX SAMPL FIL FREQ PWR DSI ND VALUE VALUE UNITS ACC RATE TER HILO 10 COI |
| c | BUS DATA REQD SDI/ NAME LABEL TYPE BITS LSB RSLN EXT ZERO CNT |
| Œ | SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HOLG RATE BITS VALID DELAY WORD POS NO OF WORDS TYPE LOCATION RESP GRP |
| • | |
| | |
| COMMENT : | ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/9; DELE BY: APPVD BY: APPROVAL CNT: CNFLT: TIRL TN/CALMS: AP TN/CALMS: N |
| D DESCRIPTION: TEMPERATURE, SURFACE. ON C D TUBE NEAR BBL 0 RID. | ¥ |
| | TEMP BODY EP |
| COMMENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION: Added by: DJP 06/20/97 APPVD by: RLP 07/12/93 Dele by: APPVD by: Approval CMT: CNFLT: Tirl TW/CALMS: AP TM/CALMS: N |
| NT DESCRIPTION: TEMPERATURE, SURFACE, ON I | |
| | ¥ |
| | TEMP BODY EP |
| CONNENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION: DJP 06/19/97 Added by: DJP 06/20/97 Appyd by: RLP 07/12/9 Drlf by: Ry: Rlp 07/12/9 |
| | E COMMENTS IC IC INT DESCRIPTION: TEMPERATURE, SURFACE 83. 00 OR OWT ROOF BETWEEN SPANNISE BEAM2 AND SA BEAM 3. COMMENT: ED DESCRIPTION: TEMPERATURE, SURFACE. ON CA D TUBE NEAR BBL 0 RIB. COMMENT: INT DESCRIPTION: TEMPERATURE, SURFACE. ON IN R REAR SPAR IN RIGHT REAR BAY. |

67/17/97 0904 PAGE NO 38 TEST ITEN REQUIREMENTS LIST TEST ITEM CODE: 82.23.0039 FREQ/ CUTOFF SAMPL FIL FREQ PWR DSPL UNITS ACC RATE TER HI---LO 10 CODE MEASUREMENT DESCRIPTION COMMENTS RC MIN ND VALUE MEAS NO HAX VALUE DATA TITLE REQD BITS LSB RSLN SDI/ EXT HNEHONIC DATA TYPE BUS NAME LABEL ZERO CNT SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID WORD POS NO OF WORDS TYPE LOCATION RESP GRP 6170260 S/T LT INT DESCRIPTION: TEMPERATURE, SURFACE. ON INTERIOR HS -60 250 2.17 REAR SPAR REAR SPAR INSIDE LEFT REAR BAY. -1 1 DEG F 2.000 1 Y EP TEMP BODY ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: AP TM/CALMS: N COMMENT: RLP 07/12/97 -6179261 S/T LT PACK DESCRIPTION: TEMPERATURE, SURFACE. ON LEFT PACT HS -60 250 2.17 FLOW VALVE FLOW CONTROL VALVE. 250 DEG F 2.000 -1 1 1 TEMP BODY ĒΡ ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: CMFIT-COMMENT: RLP 07/12/97 -CNFLT: TIRL TH/CALMS: AP TH/CALMS: N 6170262 S/T CEN PACK DESCRIPTION: TEMPERATURE, SURFACE. ON CENTER PA HS -60 250 2.17 FLOW VALVE CT FLOW CONTROL VALVE. 250 DEG F 2.000 1 -1 1 TEMP BODY ĒΡ

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COMMENT: ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/97 DELE BY: APPVD BY: APPROVAL CNT: CIMFLT: TIRL TM/CALMS: AP TM/CALMS: N

| TEST ITE | M CODE: 82.2 | 5.0839 | TE | ST ITEM REQUI | REPENIS LI | 191 | | | | | | | | 07/17/9 PAGE NO | | |
|----------|---------------------------|-------------------------|-----------------------------------|---------------|------------|--------------------------|-------------------------------|--------|---------------|-----------------|--------------|----------|-------|-----------------------|-------|------|
| EAS NO | DATA TITLE | HEASUREMENT COMMENTS | DESCRIPTION | • | . | | MIN VALUE | | IAX LUE | UNITS | ACC | | | CUTOFF FREQ HIL | PWR | |
| | NNEHONIC | | | | | BUS | | BEL | DATA | REQD | LSB | | | D1/ XT | ZERO | ~ |
| | IOURCE POS SOURCE | | | | | | | | | | SPC | L BUS | | F INTR | PL | |
| HE | LAS ID | | | | | SC F | | | NITS OF WO | offset RDS 1 | ' HDL | S RATE | | S VALI RESP | | ELAY |
| | S/T RT PACK FLOW VALVE | | : TEMPERATURE, Rol Valve. | SURFACE. ON | RIGHT PAC | HS - | 69 | 251 | 1 | DEG F 1 | 2.000 EMP | 1 BOD | | Y EP | | 1 1 |
| | - | COMMENT: | | | | ADD DEL APP CNF | ED BY E BY ROVAL LT: | 1 DJP | 06/2 | 0/97 A | PPVD PPVD | | | | P 67/ | 12/9 |
| | | | : TEMPERATURE, ER NEAR THE CEN | | | | 60 | 251 |) [| DEG F | 2.000 Emp | 1 BOD | | Y EP | | 1 1 |
| | - | CONNENT: | | | | ADD DEL APP CNF | ED BY E By Roval LT: | 'I DJP | 06/2 | 0/97 A A | PPVD PPVD | | | | P 07/ | 12/9 |
| | | | : TEMPERATURE, ER NEAR THE CEN | | | HS - | 68 | 250 |) 1 | DEG F | | 1 | | ¥ | | 1 1 |
| | | | | | | | | | | 1 | EHP | BOD | ¥ | EP | | |
| | - | COMMENT: | | | | ADD DEL APP | ED BY E BY | : DJP | 06/2 | 0/97 A | | | SION: | | P 67/ | 12/9 |

TEST ITEN REQUIREMENTS LIST 07/17/97 0904 PAGE NO 40 TEST ITEN CODE: 82.23.0039 CUTOFF FIL FREQ PWR DSPL TER H1---LO 10 CODE FREQ/ SAMPL UNITS ACC RATE MEASUREMENT DESCRIPTION COMMENTS DATA TITLE HIN VALUE MEAS NO SECT NO HAX VALUE RC REQD BITS LSB RSLN SDI/ Ext HNEHONIC DATA TYPE BUS NAME ZERO CNT LABEL SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID WORD POS NO OF WORDS TYPE LOCATION RESP GRP 6170269 S/T EXH LVR DESCRIPTION: TEMPERATURE, SURFACE. ON BACK OF E HS -60 2.17 HEAT EXCHNGR XHAUST LOUVER NEAR THE CENTER OF RIGHT HEAT EXCH ANGER. 250 DEG F 2.000 1 -1 1 Y EP TEMP BODY ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: AP TM/CALMS: N COMMENT: RLP 07/12/97 -6170270 S/T LT OUTLT DESCRIPTION: TEMPERATURE, SURFACE. ON OUTLET OF HS -60 2.17 H20 SEPERATR LEFT WATER SEPERATOR. DEG F 2.000 -1 1 250 1

TEMP BODY ĒΡ ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: COMMENT: RLP 07/12/97 -CNFLT: TIRL TM/CALMS: AP TH/CALMS: N 6170271 S/T CEN OUTL DESCRIPTION: TEMPERATURE, SURFACE. ON OUTLET OF HS -60 250 DEG F 2.000 2.17 H20 SEPERATR CENTER WATER SEPERATOR. 1 -1 1 EP BODY TEMP ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: AP TM/CALMS: N COMMENT: RLP 07/12/97 _

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| TEST ITE | EM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 97/17/97 8984 PAGE NO 41 |
|--------------------|--------------------------------|---|---|---|--|
| MEAS NO SECT NO | DATA TITLE | NEASUREMENT DESCRIPTION COMMENTS | RC NIN MAX MD VALUE VALUE UN | FREQ/ SAMPL FII NITS ACC RATE TEI | |
| | MNEMONIC | | | REQD NITS LSB RSLN | SD1/ EXT ZERO CNT |
| | SOURCE POS SOURCE EAS ID | | SC FACT SIG UNITS OF | SPCL BUS # FFSET HDLG RATE B | OF INTRPL ITS VALID DELAY RESP GRP |
| | | DESCRIPTION: TEMPERATURE, SURFACE. ON OUTLET OF RIGHT WATER SEPERATOR. | HS -60 250 DEG | 3 F 2.000 1 TEMP BODY | -1 1 Y EP |
| | - | COMMENT : | ORIGINATOR: DJP 06/19 ADDED BY: DJP 06/20/9 DELE BY: APPROVAL CHT: CNFLT: TIRL TW/CALMS: | | NI RLP 87/12/97 |
| 6170274 2.17 | A/T #6 FWD BAY #2 | DESCRIPTION: TEMPERATURE, ANDIENT \$6. BETWEEN Top and bottom surface, centered in bay located between spannise beams 2 and 3. Center T/C in F orward-most tree of 11. | HS -60 250 DEG | 3 F 2.000 l TEMP BODY | -1 1 Y EP |
| | - | COMMENT: | ORIGINATOR: DJP 06/19 ADDED BY: DJP 06/20/9 DELE BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: | | N: DJP 87/89/97 RLP 87/12/97 |
| 6170277 2.17 | A/T #6 BAY #3 | DESCRIPTION: TEMPERATURE, AMBIENT 86. BETWEEN T OP AND BOTTOM SUBFACE, CENTERED IN BAY LOCATED B ETWEEN SPANNISE BEAMS 2 AND MIDSPAR. 6TH T/G IN AFT-MOST TREE OF 11. | H\$ -60 250 DEG | 3 F 2.008 1 TEMP BODY | -1 1 Y EP |
| | - | CONMENT: EVG 747-100 (THA 806 INVESTIGATION). | ORIGINATOR: DJP 06/19 ADDED BY: DJP 06/20/9 DELE BY: Approval CMT: CNFLT: TIRL TM/CALMS: | | N: DJP 07/89/97 RLP 07/12/97 |

07/17/97 0904 TEST ITEM REQUIREMENTS LIST TEST ITEM CODE: 82.23.0039 PAGE NO 42 FREQ/ CUTOFF MAX VALUE UNITS ACC MEAS NO DATA TITLE MEASUREMENT DESCRIPTION COMMENTS RC MD MIN VALUE SAMPL FIL FREQ PWR DSPL TER HI---LO 19 CODE BUS NAME DATA TYPE REQD BITS LSB RSLN SDI/ EXT MNEMONIC LABEL ZERO CNT SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID HORD POS NO OF HORDS TYPE LOCATION RESP GRP DESCRIPTION: TEMPERATURE, AMBIENT #1. 3 INCHES HS -60 FROM BOTTOM OF SURFACE AND FOUR INCHES FROM LEFT SIDE OF BODY STRINGER IN FORMARD BAY (LOCATED B ETWEEN SPANNISE BEAMS 2 AND 3). A/T #1 LT FWD BAY #1 DEG F 2.000 -1 1 250 1 6170279 2.17 ĒΡ TEMP BODY COMMENT: CENTER THERMOCOUPLE LONGITUDINALLY BET ORIGINATOR: DJP 06/19/97 LAST REVISION: DJP 06/19/97 WEEN SPANWISE BEAMS 2 AND 3. ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/97 DELE BY: APPVD BY: RLP 07/12/97 DELE BY: APPVD BY: CMFUT: TIRL TM/CALMS: AP TM/CALMS: N -DESCRIPTION: TEMPERATURE, AMBIENT #2. BETWEEN T HS -60 OP AND BOTTOM OF SURFACES AND FOUR INCHES FROM L EFT SIDE OF BODY STRINGER IN FORWARD BAY (LOCATE D BETWEEN SPANWISE BEAMS 2 AND 3). DEG F 2.000 6170280 A/T #2 LT FWD BAY #1 250 1 -1 1 2.17 Y EP TEMP BODY COMMENT: CENTER THERMOCOUPLE LONGITUDINALLY BET ORIGINATOR: DJP 06/19/97 LAST REVISION: DJP 06/19/97 MEEN SPANWISE BEAMS 2 AND 3. ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/97 DELE BY: APPVD BY: RLP 07/12/97 APPROVAL CHT: _ CNFLT: TIRL TH/CALMS: AP TH/CALMS: N A/T #3 LT DESCRIPTION: TEMPERATURE, AMBIENT #3. 3 INCHES HS -60 FND BAY #1 FROM TOP OF SUBFACE AND FOUR INCHES FROM LEFT SI DE OF BODY STRINGER IN FORWARD BAY (LOCATED BETW EEN SPANWISE BEAMS 2 AND 3). 259 DEG F 2.000 -1 1 6170281 1 2.17 TEMP BODY ĒΡ
 ORIGINATOR:
 DJP
 06/19/97
 LAST REVISION:
 DJP
 06/19/97

 ADDED
 BY:
 DJP
 06/20/97
 APPVD
 BY:
 RLP
 87/12/97

 DELE
 BY:
 APPVD
 BY:
 APPVD
 BY:
 COMMENT: CENTER THERMOCOUPLE LONGITUDINALLY BET WEEN SPANWISE BEAMS 2 AND 3. APPROVAL CMT: CNFLT: TIRL TH/CALMS: AP TH/CALMS: N

| TEST ITE | EN CODE: B2.2 | 3.0039 TEST ITEM REQUIREMENTS L | 131 | | | | | | | | | | 07/17 PAGE | | 43 | |
|----------|-------------------------|---|--------------------------|-------------|--------------------|------------|-----------|------|----------|------------------|------------------------|-----|-------------------|---------|--------------|-----|
| NEAS NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | | MIN VALU | | | AX LUE | UNI | rs | ACC | FREQ/ SAMPL RATE | | CUTO FRE HI | 9 | PWR 10 | |
| | NNEMONIC | •• * | BUS | | 495 | | | RE | | LSB R | | | DI/ | | RO C | |
| | SOURCE POS SOURCE | | | | | | | | | SPCL | BUS | * 0 | WF IN | TRPL | | ~ 1 |
| HE | EAS ID | | | | | | | | | HDLG | | | 'S VA | | | LAY |
| | | | WORL | POS | 6 | NU | of wo | IKUS | 1 | YPE | LOCAT | TON | KES | ip gr | () * | |
| 2.17 | | DESCRIPTION: TENPERATURE, AMBIENT \$1. 5 INCHES FROM BOTTOM OF SURFACE AND FOR INCHES FROM RIGH T SIDE OF BODY STRINGER IN FORMARD BAY (LOCATED DETWEEN SPANNISE DEAM 2 AND 5). | HS - | •68 | | 254 | | DEG | | 2.808 EMP | 1 BOD | | | Y EP | -1 | 1 |
| | - | COMMENT: CENTER THERHOCOUPLE LONGITUDINALLY BET MEEN SPANNISE BEAMS 2 AND 3. | ADD DEL APP CNF | | SY: SY: NL C | DJP HT: | 86/2 | | AI Al | PPVD B PPVD B | ¥: | | | | 9/97 07/1 | |
| 2.17 | | DESCRIPTION: TEMPERATURE, ANDIENT \$2. BETWEEN T OP AND BOTTON OF SUBFACES AND FOUR INCHES FROM R Ight side of body stringer in formard bay (locat ED between spannise beams 2 and 3). | HS - | 60 | | 250 | | DEG | | 2.000 EMP | 1 805 | | | Y EP | -1 | 1 |
| | - | COMMENT: CENTER THERNOCOUPLE LONGITUDINALLY BET WEEN SPANNISE BEANS 2 AND 3. | ADE DEL APF CNF | | 17: 17: 1. C | DJP NT: | 96/2 | | AI AI | PVD B | Y: | | | | 9/97 87/1 | |
| 2.17 | A/T.83 RT FWD BAY 81 | DESCRIPTION: TEMPERATURE, ANDIENT #3. 3 INCHES FROM TOP OF SURFACE AND FOUR INCHES FROM RIGHT S IDE OF BODY STRIMMER IN FORMARD BAY (LOCATED BET WEEN SPANNISE BEAMS 2 AND 3). | HS - | 6 0 | | 254 | | DEG | | 2.000 EMP | 1 BOD | | | Y EP | -1 | 1 |
| | - | COMMENT: CENTER THERMOCOUPLE LONGITUDINALLY BET WEEN SPANNISE BEAMS 2 AND 3. | ADD DEL APP CNF | | 17: 17: NL C | DJP MT: | 06/2 | | AI Ai | PPVD B | Y: | | | | 9/97 07/1 | |

| TEST ITE | M CODE: 82.2 | 3.0039 | IST | | 07/17/97 0904 Page no 44 |
|--------------------|---------------------|--|---|------------------------|---|
| NEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | | CUTOFF IL FREQ PWR DSPL IR HILO 10 CODE |
| | MNEHONIC | | | QD | SDI/ |
| | OURCE POS SOURCE | | | | EXT ZERO CNT |
| HE | AS ID | | SC FACT SIG UNITS OFF | SET HOLG RATE B | ITS VALID DELAY |
| | | | NORD PUS NU OF NORDS | TTPE LOCATION | I RESP ORF |
| 6170285 2.17 | | DESCRIPTION: TEMPERATURE, AMBIENT #1. 3 INCHES FROM BOTTOM OF SURFACE AND FOUR INCHES FROM RIGH T SIDE OF BODY STRINGER IN FORWARD BAY (LOCATED | HS -60 250 DEG | F 2.000 1 | -1 1 . Y |
| | | BETWEEN SPANWISE BEAM 2 AND MID SPAR). | | TEMP BODY | EP |
| | - | COMMENT: CENTERED LONGITUDINALLY BETWEEN THE SP ANWISE BEAM 2 AND MID SPAR. | ADDED BY: DJP 06/20/97 Dele by: Approval CHT: CNFLT: | APPVD BY: Appvd by: | RLP 07/12/97 |
| | | | TIRL TH/CALHS: | AP TH/CALHS: N | |
| 6170286 2.17 | FWD BAY #2 | DESCRIPTION: TEMPERATURE, AMBIENT #2. BETWEEN T OP AND BOTTOM SURFACES AND FOUR INCHES FROM RIGH T SIDE OF BODY STRINGER IN FORWARD BAY (LOCATED BETWEEN SPANNISE BEAM 2 AND MID SPAR). | HS -60 250 DEG | F 2.008 1 | -1 1 Y EP |
| | | | | | |
| | - | COMMENT: CENTERED LONGITUDINALLY BETWEEN THE SP ANWISE BEAM 2 AND MID SPAR. | ORIGINATOR: DJP 16/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | NN: RLP 07/12/97 |
| 6170287 | A/T #3 LT | DESCRIPTION: TEMPERATURE, AMBIENT #3. 3 INCHES | | F 2.000 1 | -1 1 |
| 2.17 | FWD BAY #2 | FROM TOP OF SURFACE AND FOUR INCHES FROM RIGHT S IDE OF BODY STRINGER IN FORWARD BAY (LOCATED BET | | | Y I |
| | | WEEN SPANNISE BEAM 2 AND MID SPAR). | | TEMP BODY | ËP |
| | | COMMENT: CENTERED LONGITUDINALLY BETWEEN THE SP ANWISE BEAM 2 AND MID SPAR. | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: | | N: RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/CALMS: N | |

| TEST ITE | M CODE: 82.2 | TEST ITEM REQUIREMENTS L 3.0039 | IST | | | | | | | | 07/17/9 PAGE NO | | |
|--------------------|---------------------------|---|--------------------------|--|---------------------|--------------|-------|----------------|------------------------|--------------|-----------------------|--------|------------|
| REAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION CONMENTS | | MIN VALUE | E١ | HAX VALUE | UNITS | ACC | FREQ/ SAMPL RATE | F I L TER | CUTOFF FREQ HIL | PWR | DSP COD |
| | HNEHONIC | | BUS | | AREI | DATA TYPE | | LSB | PSLN | | IDI/ DAT | ZERO (| CNT |
| | OURCE POS SOURCE | | | | | | OFFSE | SPC | LBUS | | F INTR | | ELAY |
| HE | EAS ID | | | POS | | DOFN | | TYPE | LOCAT | | RESP | | ÷ |
| 2.17 | A/T \$1 RT FWD BAY \$2 | DESCRIPTION: TEMPERATURE, ANDIENT #1. 3 INCHES FROM BOTTOM OF SURFACE AND FOUR INCHES FROM RIGH T SIDE OF BODY STRINGER IN FORMARD BAY (LOCATED BETWEEN SPANNISE BEAN 2 AND MID SPAR). | HS - I | 68 | 2! | 51 | DEG F | 2.000 TEMP | 1 BQD | | Y Ef | | 1 1 |
| | - | COMMENT: CENTERED LONGITUDINALLY BETWEEN THE SP Annise beam 2 and MID Spar. | ADD DEL APP CNF | GINA CE B ROVAL LT: RLT: | V:D. V: LCN | JP 06/ T: | 28/97 | APPVD APPVD | | | | .P 87/ | 12/97 |
| 6178289 2.17 | A/T #2 RT FWD BAY #2 | DESCRIPTION: TEMPERATURE, AMBIENT 82. BETWEEN T OP AND BOTTON OF SUBFACE AND FOUR INCHES FROM RI GHT SIDE OF BODY STRINGER IN FORMARD BAY (LOCATE D BETWEEN SPANNISE BEAM 2 AND HID SPAR). | 1 | -68 | 2 | 50 | DEG F | 2.000 TEMP | i Bot | | Y El | | 11 |
| | <u>.</u> | COMMENT: CENTERED LONGITUDINALLY BETWEEN THE SP ANWISE BEAM 2 AND MID SPAR. | ADC DEL APF CNF | IGINA DED B ROVAL LE B ROVAL LT: RL TM | Y: D. Y: L CH | JP 06/ T: | 28/97 | APPVD | | | | .P 07/ | 12/97 |
| 6170290 2.17 | A/T #3 RT FWD BAY #2 | DESCRIPTION: TEMPERATURE, ANBIENT #5. 3 INCHES FROM TOP OF SURFACE AND FOUR INCHES FROM RIGHT S IDE OF BODY STRINGER IN FORMARD BAY (LOCATED BET MEEN SPANNISE BEAM 2 AND MID SPAR). | 5 | -68 | 2 | 50 | DEG F | 2.000 TEMP | BOL | | ¥ | | 1 1 |
| | - | COMMENT: CENTERED LONGITUDINALLY BETWEEN THE SP ANNISE BEAM 2 AND MID SPAR. | ADU DEL APS CNF | IGINA DED B LE B PROVAL FLT: RL TH | Y: D. Y: L CM | JP 06/ T: | 28/97 | APPVD APPVD | BY: | | : RI | .P 07/ | 12/97 |

| TEST ITEM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | 07/17/97 0904 PAGE NO 46 |
|-------------------------------------|---|--|---|
| MEAS NO DATA SECT NO TITLE | MEASUREMENT DESCRIPTION COMMENTS | FREQ/ RC MIN MAX SAMPL FIL MD VALUE VALUE UNITS ACC RATE TER | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| HNEHONIC | | | SDI/ Ext ZERG CNT |
| SOURCE POS SOURCE | | SPCL BUS # SPCL BUS # SC FACT SIG UNITS OFFSET HDLG RATE BI | OF INTRPL TS VALID DELAY |
| HEAS ID | | WORD POS NO OF WORDS TYPE LOCATION | RESP GRP |
| 6170291 A/T #1 LEFT 2.17 MID BAY | DESCRIPTION: TEMPERATURE, AMBIENT #1. CENTERED, 3 INCHES FROM BOTTOM SURFACE, IN LEFT BAY LOCAT | HS -60 250 DEG F 2.000 1 | -1 1 |
| | ED BETWEEN MID SPAR AND SPANNISE BEAM 1. | TEMP BODY | Y Ep |
| - | COMMENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: CNFLT: CNFLT: | : RLP 07/12/97 |
| | | TIRL TH/CALMS: AP TH/CALMS: N HS -60 250 DEG F 2.000 1 | -1 1 |
| 6170292 A/T #2 LEFT 2.17 MID BAY | DESCRIPTION: TEMPERATURE, AMBIENT #2. CENTERED, BETWEEN TOP AND BOTTOM SURFACES, IN LEFT BAY LO CATED BETWEEN MID SPAR AND SPANWISE BEAM 1. | | -1 1 V EP |
| - | COMMENT : | ORIGINATOR: DJP 06/19/97 LAST REVISION ADDED BY: DJP 06/28/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: AP TH/CALMS: N | : RLP 07/12/97 |
| 6170293 A/T #3 LEFT 2.17 HID BAY | DESCRIPTION: TENPERATURE, AMBIENT #3. CENTERED, 3 INCHES FROM TOP SURFACE, IN LEFT BAY LOCATED BETWEEN MID SPAR AND SPANWISE BEAM 1. | HS -60 250 DEG F 2.000 1 TEMP BODY | -1 I V Ep |
| <u>-</u> | COMMENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION ADDED BY: DJP 06/20/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: | : RLP 07/12/97 |
| | | CNFLT: TIRL TM/CALMS: AP TM/CALMS: N | |

| TEST ITE | EN CODE: B2.2 | TEST ITEM REQUIREMENTS L | IST | / | | | | | | | | 07/17/9 PAGE NO | | |
|------------------|-------------------------|--|--------------------------|-------------|--------------------|------------|---------------|--------------|-------------------------|------------------------|-------|-----------------------|---------|------------|
| EAS NO ECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MD | MIN VALU | | MA VAL | | UNITS | ACC | FREQ/ SAMPL RATE | | CUTOFF FREQ HIL | | DSF COD |
| | MNEMONIC | | BUS | | | с 1. Т | | REQU | LSB | PSI N | | DI/ | ZERO | CNT |
| 9 | SOURCE POS SOURCE | | | - | | | | | SPC | L BUS | * 0 | F INTR | PL | ELAY |
| MEAS ID | | | | POS | | | rits DF WO | OFFSE RDS | TYPE | | | | ESP GRP | |
| 170294 2.17 | A/T #1 RIGHT MID BAY | DESCRIPTION: TEMPERATURE, ANDIENT %1. CENTERED, 3 INCHES FROM BOTTOM SURFACE, IN RIGHT BAY LOCA TED BETWEEN NID SPAR AND SPANNISE BEAM 1. | HS · | -60 | | 250 | | DEG F | 2.880 | | | ¥ | | 1 1 |
| | | | | | | | | | TEMP | 300 | Y | EP | | |
| | - | COMMENT : | ADI DEI API | | BY: BY: AL C | DJP | | | LA APPVD APPVD | | SION: | | P 67/ | 12793 |
| | | | ŤIJ | RL TI | H/CA | LMS: | : | | P TH/C | ALMS: N | | | | |
| 2.17 | | DESCRIPTION: TEMPERATURE, AMBIENT #2. BETWEEN T OP AND BOTTOM SURFACES, CENTERED IN RIGHT BAY LOC ATED BETWEEN MID SPAR AND SPANNISE BEAM 1. | | -60 | | 250 | | DEG F | 2.000 | 1 | | ¥ | - | 1 1 |
| | | ALEY DEINCEN HILV SPAK AND SPANNISC BEAH I. | | | | | | | TEMP | BOD | Y | EP | | |
| | - | COMMENT: | ADI DEI API CNI | | BV: BY: Al (| DJP MT: | 86/2 | 0/97 | APPVD APPVD | | | RL | P 07/ | 12/97 |
| | | | | | | 258 | - | | 2.000 | | | | | 1 1 |
| 2.17 | A/T #3 RIGHT MID BAY | DESCRIPTION: TEMPERATURE, ANDIENT %5. SINCHES F Rom top surface, centered in right bay located be Theen wid spar and spannise deam 1. | | - 5 4 | | 230 | | DCG P | 2.004 | | | ¥ | - | |
| | | | | | | | | | TEMP | BOD | Y | EP | | |
| | - | COMMENT : | ADI DEI API | | BY: BY: AL (| DJP | | | APPVD APPVD APPVD | | SION | | P 07/ | 12/9 |
| | | | | | | LMS | | | P TH/C | ALMS: N | 1 | | | |

| TEST ITE | M CODE: B2.2 | TEST ITEM REQUIREMENTS L | IST | | | | | | | 07/17/9 PAGE NO | | |
|------------------|------------------------|--|--|-------------------------|---------|-----------------------|--------------------|----------|-------|-----------------------|----------------|-------|
| EAS NO Ect no | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MD VALU | | MAX | UNITS | | | | CUTOFF FREQ HIL | PWR | |
| | MNEMONIC | | BUS | ABEL | DATA | REQD | LSB R | ¢1 N | | DI/ XT | ZERO | CNT |
| | SOURCE POS SOURCE | | | - | | | SPCL | BUS | * 0 | F INTR | PL | |
| ME | EAS ID | | SC FACT | | UNITS | | 'HDLG YPE | LOCAT | | S VALI RESP | | ELAY |
| 170297 2.17 | A/T #1 LEFT AFT BAY | DESCRIPTION: TEMPERATURE, AMBIENT \$1. 3 INCHES FROM BOTTOM SURFACE, CENTERED IN LEFT BAY LOCATE D BETWEEN SPANWISE BEAM I AND REAR SPAR. | | 25 | 0 | DEG F | _ | 1 BOD | | Y EP | | 1 1 |
| | - | COMMENT : | ORIGINA ADDED B DELE B APPROVA CNFLT: TIRL TM | BY: DJ BY: AL CMT | P 06/2 | /19/97 0/97 A A | APPVD B APPVD B | T REVI | SION: | | P 07/ | 12/97 |
| 178298 2.17 | A/T #2 LEFT AFT BAY | DESCRIPTION: TEMPERATURE, AMBIENT #2. BETWEEN T OP AND BOTTOM SURFACES, CENTERED IN LEFT BAY LOC ATED BETWEEN SPANWISE BEAM L AND REAR SPAR. | | 25 | 0 | DEG F | 2.000 EMP | 1 BOD | | Y EP | | 1 1 |
| | - | COMMENT : | ORIGINA ADDED 8 Dele 8 Approva CNFLT: Tirl TM | BY: DJ BY: Al CMT | IP 06/2 | 0/97 4 | APPVD B Appvd B | Y: | | | /19/9 P 07/ | |
| 2.17 | A/T #3 LEFT AFT BAY | DESCRIPTION: TEMPERATURE, AMBIENT #3. 3 INCHES FROM TOP SURFACE, CENTERED IN LEFT BAY LOCATED B ETWEEN SPANWISE BEAM 1 AND REAR SPAR. | | 25 | 0 | DEGF | 2.000 EMP | 1 BOD | | Y Ef | | 1 1 |
| | - | COMMENT: | ORIGINA ADDED E DELE E APPROVA CNFLT: | BY: DJ BY: AL CMT | IP 06/2 | 8/97 4 | | | SION: | | .P 07/ | 12/97 |

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| TEST IT | EM CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | | | | | | | | | 07/17/ PAGE N | | 4 | | |
|---------|-------------------------|---|-------------------------|------------------------|--------------------|-------------|--------------|-----------------------------|------------|-------------|------------------------|------------|---------------------|---------|------------|--|--|
| NEAS NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MD | HII VALI | | | AX LUE | UNIT | rs a | cc | FREQ/ SAMPL RATE | FIL Ter | CUTOF FREQ HI | PWR | DSI COL | | |
| | MNEMONIC | | BUS | - 1 | | | DATA TYPE | REG | ad Is L | SR I | PSLN | | 1017 THE | ZERO | сыл | | |
| | SOURCE POS SOURCE | | | | | | | OFF | | SPC | LBUS | | F INT | | ELAY | | |
| H | NEAS ID | | WORE | D PO: | s | NO | of w | RDS | TYP | E | LOCAT | ION | RESP | ESP GRP | | | |
| 2.17 | A/T 81 RIGHT AFT BAY | DESCRIPTION: TEMPERATURE, AMBIENT 81. 3 INCHES FROM BOTTOM SURFACE, CENTERED IN RIGHT BAY LOCAT ED BETWEEN SPANNISE BEAN 1 AND REAR SPAR. | HS - | -69 | | 258 | | deg (| | | - | | Y | | 1 1 | | |
| | | | | | | | | | TEM | P | BOD | Y | E | P | | | |
| | - | COMMENT: | ADD DEL API CN | DED 1 LE 1 PROVA | BY: BY: AL (| DJP CHT1 | 86/ | 6/19/9 26/97 | APP APP | VD | BY: | | | LP 07/ | 12/9 | | |
| | | | 110 | RL TI | H/C/ | ALITS | 1 | | AP I | H/ U | ALMS: N | | | | | | |
| 2.17 | A/T #2 RIGHT AFT BAY | DESCRIPTION: TEMPERATURE, AMBIENT #2. BETWEEN 1 OP AND BOTTON SURFACES, CENTERED IN RIGHT BAY LO CATED BETWEEN SPANNISE BEAM 1 AND REAK SPAR. | | -60 | | 250 | | DEG | F 2. | | 1 | | Y | | -1 1 | | |
| | | CATED BETWEEN SPANNISE BEAM I AND REAR SPAR. | | | | | | | TĐ | P | BOD | Y | | P | | | |
| | - | CONNENT: | ADI DEI API | | BY: BY: AL (| DJP | \$67 | 5/19/ ⁰ 28/97 | APF | | | SION | | LP 07/ | 12/9 | | |
| | | | | RL T | | ALMS | : | | AP 1 | H/C | ALMS: N | i i | | | | | |
| 2.17 | A/T 83 RIGHT AFT BAY | DESCRIPTION: TEMPERATURE, AMBIENT #3. 5 INCHES FROM TOP SURFACE, CENTERED IN RIGHT BAY LOCATED | HS · | -68 | | 251 | I | DEG | F 2. | | 1 | | | | -1 1 | | |
| | | BETWEEN SPANWISE BEAM 1 AND REAR SPAR. | | | | | | | TE | IP | BOD | Y | Y E | P | | | |
| | - | COMMENT: | ADI DEI API CN | DED LE PROV | BY: BY: Al (| DJP | 06/ | 6/19/ 20/97 | APF APf | VD VD | | | | LP 07/ | /12/9 | | |

| TEST ITEM | CODE: B2.2 | | ITEM REQUIREMENTS L | IST | | | | 67/17/97 PAGE NO | 8904 56 |
|--------------------|-------------------|---|----------------------|--|--------------------------------|------------------|---|------------------------------|---------------------|
| MEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | | RC MIN MD VALU | | UNITS A | | CUTOFF IL FREQ ER HILO | PWR DSPL 10 CODE |
| | MNEMONIC | | | BUS | DATA | REQD | | SDI/ | |
| | URCE OS SOURCE | | | | ABEL TYPE | | SPCL BUS | * OF INTRP | |
| NEA | S ID | | | | SIG UNITS | | | | |
| | | | | WORD POS | NO OF W | ORDS TYP | E LOCATIO | N RESP G | RP |
| 6170309 2.17 | A/T VENT #1 | DESCRIPTION: TEMPERATURE, A VENT INLET #1. | MBIENT. IN CENTER OF | HS -60 | 120 | DEG F | 1 | | 0 0 |
| | | | | | | TEM | P BODY | V EP | |
| | - | COMMENT : | | ADDED B DELE B APPROVA CNFLT: | NY: DJP 867: NY: NL CHT: | 20/97 APP APP | VD BY: | | 03/97 07/12/97 |
| | | | | | I/CALHS: | | H/CALMS: N | | e a |
| 6170318 2.17 | A/T VENT #2 | DESCRIPTION: TEMPERATURE, A VENT INLET #2. | MBIENT. IN CENTER OF | M3 - 6 8 | 120 | DEG F | 1 | ¥ | • • |
| | | | | | | TEM | P BODY | EP | |
| | - | COMMENT: | | ADDED 1 DELE 1 APPROVA CNFLT: | Y: DJP 067 | 28/97 APP APP | LAST REVISI VD BY: VD BY: M/CALMS: N | | 03/97 07/12/97 |
| 6170311 2.17 | A/T VENT #3 | DESCRIPTION: TEMPERATURE, A VENT INLET #3. | MBIENT. IN CENTER OF | HS -60 | 120 | DEG F | 1 | | 0 0 |
| | | | | | | TEM | P BODY | Y EP | |
| | | COMMENT: | | ADDED E DELE E APPROVA | SY: DJP 067 | 20/97 APF APF | LAST REVISI VD BY: VD BY: VD BY: M/CALMS: N | | 03/97 07/12/97 |

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| TEST ITE | N CODE: B2.2 | TEST ITEM REQUIREMENTS | LIST 07/17/97 0904 PAGE NO 51 |
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | FREQ/ CUTOFF RC MIN MAX SAMPL FIL FREQ PWR DS MD VALUE VALUE UNITS ACC RATE TER HILO 10 CO |
| | HNEHONIC | | BUS DATA REQD SDI/ |
| | OURCE | | NAME LABEL TYPE BITS LSB RSLN EXT ZERO CNT |
| | POS SOURCE | | SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY |
| HE | AS ID | | WORD POS NO OF WORDS TYPE LOCATION RESP GRP |
| 170312 | A/T VENT 84 | DESCRIPTION: TEMPERATURE, ANDIENT. IN CENTER VENT INLET 84. | OF HS -60 120 DEG F 1 00 |
| 2.17 | VEN: 64 | VEN: INLE: 09. | V TEMP BODY EP |
| | - | COMMENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION: DJP 07/03/97 ADDED BV: DJP 06/20/97 APPVD BV: RLP 07/12/9 DELE BV: APPVD BV: APPROVAL CNT: CMFLT: |
| | | | TIRL TH/CALMS: AP TH/CALMS: N |
| 2.17 | A/T MAIN GEAR WELL | DESCRIPTION: TEMPERATURE, AMBIENT. IN MAIN GE Well NEAR SCAVENCE PUMP, 1 FOOT ABOVE KEEL BE | |
| | | • | TEMP BODY EP |
| | - | COMMENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/9 DELE BY: APPVD BY: APPROVAL CNT: CMFLT: |
| | | | TIRL TH/CALMS: AP TH/CALMS: N |
| 6178314 2.17 | A/T RT WNG TANK VENT | DESCRIPTION: TEMPERATURE, AMBIENT. CENTERED I FLOW OF VENT COMING INTO RIGHT WING VENT SURGE | |
| | | ANK. | TENP BODY EP |
| | - | COMMENT: | ORIGINATOR: DJP 06/19/97 LAST REVISION: ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/9 DELE BY: APPVD BY: APPROVAL CHT: CMFLT: |
| | | | TIRL TH/CALMS: AP TH/CALMS: N |

| TEST ITE | N CODE: 82.2 | TEST ITEM REQUIREMENTS LI | ST | | | 07/17/92 PAGE NO | ° 8984 52 |
|--------------------|-----------------------|--|--|------------------------|---|--------------------------------|--------------|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | | AX LUE UNITS | FREQ/ SAMPL S ACC RATE | CUTOFF FIL FREQ TER HILO | |
| | MNEMONIC | | BUS I NAME LABEL | DATA REQU TYPE BITS |) 5 LSB RSLN | SDI/ EXT 2 | ERO CNT |
| Ĩ | OURCE POS SOURCE | | SC FACT SIG U | NITS OFFSE | SPCL BUS ET HDLG RATE | # OF INTRE BITS VALIE | |
| ME | AS ID | | WORD POS NO | of words | TYPE LOCAT | ION RESP (| RP |
| 6178315 2.17 | | DESCRIPTION: TEMPERATURE, AMBIENT. IN THE RIGHT Collector Can, where the venting from all tanks is combined to pass overboard. | HS -60 120 | DEG F | 1 TEMP BOD | ¥ | 0 \$ |
| | - | COMMENT : | ORIGINATOR: D. ADDED BY: DJP DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS. | 06/20/97 | | RLI | 07/12/97 |
| 6170316 2.17 | A/T LEFT WING VENT | DESCRIPTION: TEMPERATURE, AMBIENT. CENTERED IN THE VENT FLOW COMING INTO THE LEFT WING VENT SUR GE TANK. | | | TEMP BOD | ¥ | 0 0 |
| | - | COMMENT : | ORIGINATOR: D. ADDED BY: DJP DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS | 06/20/97 | 7 LAST REVI APPVD BY: APPVD BY: AP TM/CALMS: N | RLI | P 07/12/97 |
| 6170317 2.17 | | DESCRIPTION: TEMPERATURE, AMBIENT. IN THE LEFT COLLECTOR CAN, WHERE THE VENTING FROM ALL TANKS IS COMBINED TO PASS OVERBOARD. | HS -60 120 | DEG F | 1 TEMP BOD | Y . | 0 B |
| | - | COMMENT: | ORIGINATOR: D ADDED BY: DJP DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS | 06/20/97 | | RL | P 07/12/97 |
| | | | | | | | |

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| TEST ITE | M CODE: 82.2 | TEST ITEM REQUIREMENTS L | | | | | | | | | PAGE NO | 53 | |
|--------------------|-----------------------|--|-------------------|-------------|-----------------------|--------------|-------------------|------------|------------------------|------------|------------------------|-------------|-----|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION CONMENTS | | MEN VALU | | MAX VALUE | UNIT | S ACC | FREQ/ SAMPL RATE | | CUTOFF FREQ HILO | | |
| | MNEMONIC | | BUS | | | DAT. | | D S LSB | RSLN | | SDI/ Ext z | ERO C | ыт |
| 1 | SOURCE POS SOURCE | | | | | | | SPO | L BUS | * 0 | OF INTRP | | LAY |
| M | EAS ID | | WOR | D POS | ; • | IO OF | IORDS | TYPE | LOCAT | ION | RESP G | RP | |
| 6170318 2.17 | A/T RIGHT REAR BAY | | | -60 | 1 | 28 | DEG F | | 1 | | ¥ | • | |
| | | | | | | | | TEMP | 800 | Y. | EP | | |
| | - | CONNENT: | ADI DEI API | | 17: 17: 1. CP | DJP 06 | 28/97 | | | SION | | 07/1 | 2/9 |
| | | | | | | .HS: | | AP TH/ | CALMS: N | ı | | | |
| 6170319 2.17 | A/T LEFT REAR BAY | ERALLY IN LEFT REAR BAY, 1/2 INCH FROM FLOOR AT | HS - | -60 | 1 | 2\$ | DEG F | | 1 | | ¥ | 0 | |
| | | THE REAR SPAR. | | | | | | TEMP | 800 | Y | ÉP | | |
| | - | COMMENT: | ADI DEI API | | Y: 1 Y: L C | DJP 06 | 06/19/9 /20/97 | | | SION | | 07/1 | 2/1 |
| | | | | | | LMS: | | AP TH/ | CALMS: N | i . | | | |
| 6170320 2.17 | A/T B1 RT INT CWT | DESCRIPTION: TEMPERATURE, AMBIENT. IN RIGHT SID E of CWT, 1/2 INCH ABOVE LOWEST POINT IN TANK O | HS | -68 | : | 250 | DEG F | | 1 | L | v | 0 | |
| | | N THE GROUND. | | | | | | TEMP | BOD |)Y | ÉP | | |
| | - | CONNENT : | AD DE AP | | IY: 1 BY: NL CI | 0JP 06 | 06/19/9 /20/97 | | | SION | | 07/1 | 2/ |
| | • | | | | | LHS: | | AP TH/ | CALMS: N | 1 | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| TEST ITE | M CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0904 PAGE NO 54 |
|----------------|----------------------|---|---|---------------------|---|
| IEAS NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UN | | CUTOFF L FREQ PWR DSP R HILO 10 COD |
| | MNEHONIC | | | EQD ITS LSB RSLN | SDI/ EXT ZERO CNT |
| | OURCE POS SOURCE | | | SPCL BUS | OF INTRPL |
| ME | EAS ID | | SC FACT SIG UNITS OF WORD POS NO OF WORDS | | |
| 170321 2.17 | A/T #1 LT INT GWT | OF CWT, 1/2 INCH ABOVE LOWEST POINT IN TANK ON | HS -60 250 DEG | F 1 | . 0 0 |
| | | THE GROUND. | | TEMP BODY | Y Ep |
| | - | COMMENT: | ORIGINATOR: DJP 06/19 ADDED BY: DJP 06/20/9 DELE BY: APPROVAL CMT: CNFLT: | | N: RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TM/CALMS: N | * |
| 2.17 | A/T #1 BAY #2 | DESCRIPTION: TEMPERATURE, AMBIENT #1. 1 INCH BE LON TOP SURFACE, CENTERED IN BAY LOCATED BETHEE N SPANWISE BEAMS 2 AND 3. TOP T/C IN FORWARD-MOS T TREE OF 11. | HS -60 250 DEG | F 1 | 0 0 V EP |
| | - | COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). | ORIGINATOR: DJP 06/19 ADDED BY: DJP 06/20/9 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | 197 LAST REVISIO | |
| 2.17 | A/T #2 BAY #2 | DESCRIPTION: TENPERATURE, ANBIENT #2. 1 INCH B ELOW T/C 6170322, CENTERED IN BAY LOCATED BETWE EN SPANWISE BEAMS 2 AND 3. 2ND T/C IN FORWARD-MO ST TREE OF 11. | | F L | 0 0 Y EP |
| | | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ORIGINATOR: DJP 06/19 ADDED BY: DJP 06/20/9 DELE BY: APPROVAL CMT: CNFLT: TIRL IN/CALMS: | | DN: DJP 07/09/97 RLP 07/12/9; |

| TEST ITEM CODE: | TÊST ITEM REQUIREMENTS : 2.23.0039 | IST | | 07/17/97 0904 PAGE NO 55 |
|------------------------------|---|---|--|---|
| EAS NO DATA ECT NO TITL | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | FREQ/ SAMPL I Its acc rate | CUTOFF FIL FREQ PMR DSP TER HILO 10 COD |
| MNEMON | c | | IQD ITS L SB RSLN | SDI/ EXT ZERO CNT |
| SOURCE POS SOU MEAS ID | 9E | SC FACT SIG UNITS OFF | | * OF INTRPL BITS VALID DELAY |
| | | WORD POS NO OF WORDS | TYPE LOCATIO | ON RESP GRP |
| 170324 A/T # 2.17 BAY # | | | F 1 TEMP BODY | • • Y Ep |
| - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TW 800). | ORIGINATOR: DJP 06/19/ Added by: DJP 06/20/97 DELE BY: Approval CMT: CNFLT: TIRL TM/CALMS: | Y97 LAST REVIS 7 APPVD BY: APPVD BY: AP TH/CALMS: N | ION: DJP 87/89/97 RLP 87/12/97 |
| 170325 A/T 8 2.17 BAY 8 | | | F 1 TEMP BODY | • • • • Y EP |
| - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TW 890). | ORIGINATOR: DJP 06/19/ Added by: DJP 06/20/97 Dele by: Approval CNT: CNFLT: Tirl TN/CALMS: | | ION: DJP 07/89/97 RLP 07/12/97 |
| 170326 A/T 8 2.17 BAY 8 | | | F 1 | • • Y EP |
| | COMMENT: EVG 747-109 (NTSB INVESTIGATION OF TH 800). | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: | 97 LAST REVIS | |

| TEST ITEM | CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 87/17/97 8984 PAGE NO 56 |
|--------------------|---------------------|---|---|--|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | FREQ/ SAMPL FIL ITS ACC RATE TER | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| SOU PO: | SOURCE | | | TS LSB RSLN SPCL BUS * | SDI/ EXT ZERO CNT OF INTRPL TS VALID DELAY |
| MEAS | 10 | | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP |
| 6170327 2.17 | A/T #7 Bay #2 | DESCRIPTION: TEMPERATURE, AMBIENT \$7. 1 INCH A BOVE T/C 6170328, CENTERED IN BAY LOCATED BETHE EN SPANHISE BEAM 2 AND 3. 7TH T/C IN FORMARD-MOS T TREE OF 11. | HS -60 250 DEG | F 1 TEMP BODY | 8 8 Y Ep |
| - | | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA B00). | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | : DJP 07/09/97 RLP 07/12/97 |
| 6178328 A 2.17 | /T-88 FWD BAY 82 | DESCRIPTION: TEMPERATURE, AMBIENT #6. 1 INCH B ELOW T/C 6170327, CENTERED IN BAY LOCATED BETHE EN SPANNISE BEAM 2 AND 3. 6TH T/C IN FORWARD-MOS T TREE OF 11. | HS -60 250 DEG | F 1 TEMP BODY | 0 0 Y Ep |
| - | | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ORIGINATOR: DJP 06/19/ ADDED BV: DJP 06/20/97 DELE BV: APPROVAL CNT: CNFLT: TIRL TM/CALMS: | | I: DJP 07/09/97 RLP 07/12/97 |
| 6170329 2.17 | A/T #9 Bay #2 | DESCRIPTION: TEMPERATURE, AMBIENT \$9. 1 INCH B ELOW T/C 6170328, CENTERED IN BAY LOCATED BETHE EN SPANWISE BEAM 2 AND 3. 9TH T/C IN FORWARD-MO ST TREE OF 11. | HS -60 250 DEG | F 1 TENP BODY | 0 0 Y Ep |
| - | | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: | | 1: DJP 07/09/97 RLP 07/12/97 |

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|------------------|---------------------|---|--------------------------|---|----------------------|--------------|-----------------|--------------|---------------------|------------------------|------------|----------------------|------------------|----------|
| TEST ITE | M CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | | | | | | | | 87/17/1 PAGE NO | | 04 57 |
| EAS NO ECT NO | DATA | NEASUREMENT DESCRIPTION COMMENTS | RC HD | MIN | | MAX /ALUE | UNIT | 'S AC | | FREQ/ SAMPL RATE | FIL TER | CUTOFF FREQ HI | PW | R DS |
| | NNEMONIC | | BUS | | | | | | BR | e 1 M | | 101/ DCT | ZERO | CART |
| | OURCE POS SOURCE | | | - | | | ; OFFS | 5 | PCL | 805 | | AF INTE IS VALI | PL | DELAY |
| HE | AS ID | | WORD | | | OF | | TYPE | | LOCAT | | RESP | - | |
| 2.17 | A/T \$10 Bay \$2 | DESCRIPTION: TEMPERATURE, AMBIENT 810. 1 INCH BELOW T/C 6170329, CENTERED IN BAY LOCATED BETW EEN SPANNISE BEAM 2 AND 3. 10TH T/C IN FORMARD-N OST TREE OF 11. | | 68 | 25 | 50 | DEG F | тени | • | 1 BOD | | Y El | • | • 1 |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ADD DEL APP CNF | ED BI E BI ROVAI | /: D. /: L CH1 |)P 96/ [1 | 20/97 | APPV | /D 3 /D 5 | ¥1 | | IDJP 61 Ri | 7/89/' LP 07: | |
| 170331 2.17 | A/T #11 BAY #2 | DESCRIPTION: TEMPERATURE, AMBIENT #11. 1 INCH FROM BOTTOM SURFACE, CENTERED IN BAY LOCATED BET WEEN SPANNISE BEAM 2 AND 3. BOTTOM T/C IN FORMAR D-MOST TREE OF 11. | | 60 | 21 | 50 | DEG F | TENF | • | 1 Bod | | Y El | | • |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ADD DEL APP CNF | GINA ED BI E BI ROVAL LT: L TH | V: D. V: L CN1 | JP 06/ T: | 6/19/9 28/97 | APPV APPV | /D B /D B | ¥1 | | : DJP 67 Ri | 7/89/ LP 07 | |
| 170332 2.17 | A/T #1 Bay #3 | DESCRIPTION: TEMPERATURE, AMBIENT #1. 1 INCH B ELOW TOP SURFACE, CENTERED IN BAY LOCATED BETHE EN SPANWISE BEAN 2 AND MIDSPAR. TOP T/C IN AFT-M | | 60 | 21 | 50 | DEG F | | | 1 | | ¥ | | 0 (|
| | - | OST TREE OF 11. Comment: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ADD DEL APP CNF | GINA ED B E B ROVAL LT: L TH | Y: D. Y: L CMI | JP 06/ F1 | 6/19/9 20/97 | APP\ APP\ | LAS /D B /D B | ¥1 | SION | | | |

| TEST ITEM | CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0904 PAGE NO 56 |
|--------------------|-------------------|--|---|------------------------------|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE | | CUTOFF FIL FREQ PWR DSPL TER HILO 10 CODE |
| | MNEMONIC | | BUS DATA NAHE LABEL TYPE | REQD BITS LSB RSLN | SDI/ EXT ZERO CNT |
| | URCE OS SOURCE | | SC FACT SIG UNITS | SPCL BUS OFFSET HDLG RATE | # OF INTRPL BITS VALID DELAY |
| MEA | S ID | | WORD POS NO OF WOR | DS TYPE LOCATI | ON RESP GRP |
| 6170333 2.17 | A/T #2 Bay #3 | DESCRIPTION: TEMPERATURE, AMBIENT #2. 1 INCH B ELOW T/C 6170332, CENTERED IN BAY LOCATED BETWE EN SPANWISE BEAM 2 AND MIDSPAR. 2ND T/C IN AFT-M OST TREE OF 11. | HS -60 250 D | DEG F 1 | 0 0 Y EP |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ORIGINATOR: DJP 06/ ADDED BY: DJP 06/20 DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: | 19/97 LAST REVIS | _ |
| 6170334 2.17 | A/T #3 Bay #3 | DESCRIPTION: TEMPERATURE, AMBIENT #3. 1 INCH B ELOW T/C 6170333, CENTERED IN BAY LOCATED BETWE EN SPANNISE BEAM 2 AND MIDSPAR. 3RD T/C IN AFT- MOST TREE OF 11. | HS -60 250 D | DEG F 1 TEMP BODY | 0 0 Y EP |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 809). | ORIGINATOR: DJP 06/20 ADDED BY: DJP 06/20 DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: | | ION: DJP 07/09/97 RLP 07/12/97 |
| 6170335 2.17 | A/T #4 Bay #3 | DESCRIPTION: TEMPERATURE, AMBIENT 84. 1 INCH B ELOW T/C 6170334, CENTERED IN BAY LOCATED BETHE EN SPANNISE BEAM 2 AND MIDSPAR. 4TH T/C IN AFT-M OST TREE OF 11. | HS-60 250 D | DEG F 1 TEMP BODY | 00 4 5 |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 000). | ORIGINATOR: DJP 06/ ADDED BY: DJP 06/20 DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: | | ION: DJP 07/09/97 RLP 07/12/97 |

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| TEST ITE | CODE: 82.2 | 3.0039 TEST ITEN REQUIREMENTS L | ÍST | | | | | PAGE N | 97 898 Ю 5 | |
|--------------------|---------------------|--|--------------------|----------------------------|--------------------|--------------------|------------------------------|-------------------------|--------------------|------|
| IEAS NO IECT NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MD VALUE | MAX VALUE | UNITS | ACC | FREQ/ SAMPL FI RATE TE | CUTOF L FREQ R HI | PWR | |
| | HNEHONIC | | BUS NAME LA | DAT | | LSB | | SDI/ EXT | ZERO | |
| F | OURCE POS SOURCE | | SC FACT | | - | SPC | L BUS 4 | OF INT | RPL | ELAY |
| | IS 10 | | HORD POS | NO OF I | IORDS | TYPE | LOCATION | RESP | GRP | |
| 2.17 | A/T #5 Bay #3 | DESCRIPTION: TEMPERATURE, ANDIENT 85. 1 INCH B ELOW T/C 6178335, CENTERED IN BAY LOCATED BETWE EN SPANNISE BEAM 2 AND NIDSPAR. 5TN T/C IN AFT-H OST TREE OF 11. | | 251 | DE9 F | TEMP | 1 BODY | Y | | • • |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | | /: DJP 06, /: . CNT: | 28/97 | APPVD 1 APPVD 1 | BY: | | 17/89/9 LP 87/ | |
| 2.17 | A/T #7 BAY #3 | DESCRIPTION: TEMPERATURE, AMBIENT 87. 1 INCH A Bove T/C 4174338, Centered in Bay Located Betwee N Spannise Beam 2 and Midspar. 7th T/C in Aft-Ho St Tree of 11. | - | 250 | DEG F | TEMP | 1 BODY | | r EP | 8 0 |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF THA 800). | | (: DJP 86. (: . CNT: | /28/97 | APPVD APPVD | | | 17/89/9 11P 07/ | |
| 2.17 | A/T 86 Bay 83 | DESCRIPTION: TEMPERATURE, ANDIENT BO. 1 INCH A BOVE T/C 6170339, CENTERED IN BAY LOCATED BETWEE N SPANNISE BEAM 2 AND MIDSPAR. 6TH T/C IN AFT-MO ST TREE OF 11. | | 250 | deg f | TEMP | l BODY | Y | | • • |
| | - | COMMENT: | | CHT: | 06/19/97 /20/97 | LA: APPVD APPVD | ST REVISIO | - N: DJP (| | |

| TEST IT | EM CODE: 82.2 | 5.0039 TEST ITEM REQUIREMENTS L | IST | | 7/17/97 0904 AGE NO 60 |
|--------------------|-------------------|--|---|-------------------------------------|---|
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | SAMPL FIL | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| | HNEMONIC | | BUS DATA RE | | |
| : | SOURCE | | NAME LABEL TYPE BI | TS LSB RSLN EXT | |
| | POS SOURCE | | SC FACT SIG UNITS OFF | SPCL BUS # OF SET HDLG RATE BITS | INTRPL VALID DELAY |
| F 4 | EAS ID | | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP |
| 6170339 2.17 | A/T #9 Bay #3 | DESCRIPTION: TEMPERATURE, AMBIENT \$9. 1 INCH AB GVE T/C 6178348, CENTERED IN BAY LOCATED BETHEEN SPANNISE BEAM 2 AND MIDSPAR. 9TH T/C IN AFT-MOS | HS -60 250 DEG | · _ | 9 D |
| | | T TREE OF 11. | | TEMP BODY | EP |
| | - | COMMENT: EVG 747-108 (NTSB INVESTIGATION OF TWA 800). | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CMFLT: TIRL TH/CALMS: | | DJP 07/09/97 RLP 07/12/97 |
| 6170340 | A/T #10 | | | | |
| 2.17 | BAY #3 | DESCRIPTION: TEMPERATURE, AMBIENT \$19.1 INCH A BOVE T/C 6170341, CENTERED IN BAY LOCATED BETWEE N SPANNISE BEAM 2 AND MIDSPAR. 10TH T/C IN AFT-M OST TREE OF 11. | ng -60 250 (EG | TEMP BODY | Y EP |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800), | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: | | DJP 07/09/97 RLP 07/12/97 |
| 6170341 2.17 | A/T #11 BAY #3 | DESCRIPTION: TEMPERATURE, AMBIENT #11. 1 INCH A BOVE BOTTOM SURFACE, CENTERED IN BAY LOCATED BET WEEN SPANNISEBEAM 2 AND MIDSPAR. BOTTOM T/C IN A | HS -60 250 DEG | | ۵ ۵ ۲ |
| | | FT-MOST TREE OF 11. | | TEMP BODY | EP |
| | - | COMMENT: EVG 747-100 (NTSB INVESTIGATION OF TWA 800). | ORIGINATOR: DJP 06/19/ ADDED BY: DJP 06/20/97 DELE BY: APPROVAL CMT: CNFLT: | | DJP 07/09/97 RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/CALMS: N | |

| TEST ITE | M CODE: 82.2 | 3.0039 TEST ITEM REQUIREMENTS L | IST | | | | | | | | | | PAGE | 1/97 0 NO | 61 | |
|--------------------------|-----------------------|--|--------------------------|------------|--------------------|-----|-------------|----------------|----------------|-------|------------------------|------|--------------|----------------------|-----|-----|
| IEAS NO | DATA | MEASUREMENT DESCRIPTION COMMENTS | RC MD | MII VAL | | | HAX ALUE | UNI | rs | | FREQ/ SAMPL RATE | | | | | |
| | MNEHONIC | | BUS | | LAB | EL | | | | LSB R | SLN | | DI/ XT | ZER | 0 C | элт |
| - | OURCE POS SOURCE | | SC F | _ | | | _ | | | SPCL | BUS RATE | | F II S V/ | | DE | LAY |
| | | | WORI | D PO: | S | NO | OFW | ORDS | ΤY | PE | LOCAT | 10N | RES | IP GRP | • | |
| 2.17 2.17 | PRESS FWD BAY | DESCRIPTION: PRESSURE, ABSOLUTE. PRESSURE TRANS DUCER PLACED ON THERMOCOUPLE TREE WITH T/C 61702 73, 6170274, AND 6170275 LOCATED IN FORWARD BAY (BETWEEN SPANNISE BEAMS 2 AND 3). | | • | | 20 | | PSIA | | ES | 10 BOD | | | Y EP | • | |
| | - | CONVENT: | ADE DEL APF CNF | | BY: By: Al (| DJI | P 06/ | 20/97 | AP AP | PVD B | | | DJP | 06/25 RLP 0 | | |
| 2.17 2.17 | PRESS BTMN SWB2&MS | DESCRIPTION: PRESSURE, ABSOLUTE. PRESSURE TRANS DUCER PLACED ON THERMOCOUPLE TREE WITH T/C 61702 76, 6170277, AND 6170278 LOCATED IN FORMARD BAY (BETWEEN SPANNISE BEAN 2 AND NIDSPAR). | 2 | 0 | | 20 | | PSIA | | ES | 1 800 | | | Y Ep | • | • |
| | - | CONHENT | ADE DEL APF CNF | | BY: BY: AL (| DJI | P 06/ | 20/97 | AP | PVD B | | | DJP | 06/25 RLP 1 | | |
| 617 03 44 2.17 | PRESS REAR BAY | DESCRIPTION: PRESSURE, ABSOLUTE. PRESSURE TRANS DUCER PLACED ON THERMOCOUPLE 6170319 LOCATED IN REAR BAY. | | D | | 28 | | PSIA | | | 1 | | | ¥. | 9 | |
| | - | COMMENT: | ADE DEL APF CNF | | BY: BY: AL (| DJI | P 06/ : | 6/19/ 20/97 | 97 AP AP | PVD B | | SION | DJP | EP 06/25 RLP 0 | | |

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07/17/97 0904 PAGE NO 62 TEST ITEM REQUIREMENTS LIST TEST ITEM CODE: 82.23.0039 FREQ/ SAMPL RATE CUTOFF FIL FREQ PWR DSPL TER HI---LO 10 CODE MEASUREMENT DESCRIPTION COMMENTS HEAS NO SECT NO DATA TITLE MIN VALUE RC MD MAX VALUE UNITS ACC MNEMONIC BUS NAME SDI/ EXT DATA TYPE REQD BITS LSB RSLN LABEL ZERO CNT SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID LOCATION WORD POS NO OF WORDS TYPE RESP GRP 6170365 PRESS LT DESCRIPTION: PRESSURE, ABSOLUTE. PRESSURE TRANS HS 0 SURGE TANK DUCER PLACED IN LEFT WING SURGE TANK. 20 PSIA 1 0 0 2.17 Y EP PRES BODY
 ORIGINATOR: DJP 06/19/97
 LAST REVISION: DJP 06/25/97

 ADDED BY: DJP 06/20/97
 APPVD BY:
 RLP 07/12/97

 DELE BY:
 APPVD BY:
 RLP 07/12/97

 APROVAL CMT:
 CNFLT:
 TIRL TM/CALMS:
 COMMENT: -PRESS RT DESCRIPTION: PRESSURE, ABSOLUTE. PRESSURE TRANS HS O SURGE TANK DUCER PLACED IN RIGHT WING SURGE TANK. 6170346 20 PSIA 0 0 ı 2.17 ĒΡ PRES BODY ORIGINATOR: DJP 06/19/97 LAST REVISION: DJP 06/25/97 ADDED BY: DJP 06/20/97 APPVD BY: RLP 07/12/97 DELE BY: APPVD BY: APPROVAL CMT: CMFLT-COMMENT: -CNFLT: TIRL TH/CALMS: AP TH/CALMS: N ACCEL LONG DESCRIPTION: ACCELEROMETER PLACED IN REAR BAY, AXIS CENTERED ACROSS SPANNISE BEAM \$1 AND CENTERED BE TWEEN KEEL AND \$2 ?BL (EQUIDISTANT BETWEEN FILOR STRINGERS). SHOU LD BE PARALLEL TO LONGITUDINAL AXIS OF AIRPLANE. COMMENT: ACCELEROMETER ON EVG 747-100 FOR TWA 8 00 INVESTIGATION. 6170347 HS -30 30 G 1.000 800 -1 1 2.17 ACCL BODY ĒΡ
 ORIGINATOR:
 DJP
 06/20/97
 LAST
 REVISION:
 DJP
 06/20/97

 ADDED
 BY:
 DJP
 06/20/97
 APPVD
 BY:
 RLP
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 BY:
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 RLP
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 APPROVAL
 CMTI:
 CMFLT:
 TIRL
 TM/CALMS:
 AP
 TM/CALMS:
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 RLP 07/12/97 _

| TEST ITE | M CODE: 82.2 | TEST ITEM REQUIREMEN | ITS LIST | | | | | | | | | 07/17/ PAGE N | | |
|--------------------|---------------------|---|----------------|--------------------------------|--------------------|-------------|-------|-------|---------------------------|----------------|--------------|------------------|--------|--------------|
| .201 112 | | | | | | | | | | FREQ/ | | CUTOF | | |
| IEAS NO IECT NO | DATA TITLE | MEASUREMENT DESCRIPTION | RC MD | | | MAX VALU | | NETS | ACC | SAMPL | FIL Ter | FREQ | PW | R DSF COL |
| | MNEMONIC | | BU: | | LABE | DA L TY | | REQD | LSB F | SLN | | 1017 DKT | ZERO | снт |
| | OURCE POS SOURCE | | sc | FACT | SI | G UNI | TS O | FFSET | SPCI | | # C : BIT | F INT | | DELAY |
| HE | AS ID | | WO | RD PO | S I | NO OF | WORD | s t | YPE | LOCAT | ION | RESP | GRP | |
| 2.17 | ACCEL LAT AXIS | DESCRIPTION: ACCELEROMETER PLACED IN REAR B ENTERED ACROSS SPANNISE BEAM B1 AND CENTERED MEEN REEL BEAM AND 62 BL (EQUIDISTANT BETWEE | BET | -30 | : | 30 | G | | 1.999 | 800 | | Y | | -1 1 |
| | | OOR STRINGERS), SHOULD BE PARALLEL TO LATERI OR PITCH) ANIS OF AIRPLANE. Comment: Accelerometer on EVG 747-188 For 1 00 Investigation. | WA 8 0 | RÍGIN DDED | | | | 0/97 | LAS | BOE ST REVI | | | 6/20/9 | 97 /12/97 |
| | - | UU INVESITORIIUN. | D | ELE PPROV NFLT: IRL T | BY: | HT: | •• 2• | A | PPVD I | | 1 | - | | |
| 2.17 | ACCEL YAW | DESCRIPTION: ACCELEROMETER PLACED IN REAR I CENTERED ACROSS SPANNISE BEAN 81 AND CENTERE | IAY, HS | | | 36 | G | | 1.000 | 801 | | | . • | -1 1 |
| | | THEEN KEEL BEAN AND 62 BL (EQUIDISTANT BETHE LOOR STRINGERS). SHOULD BE PARALLEL TO YAW (ICAL) AXIS OF AIRPLANE. | | | | | | | CCL | BOD | iy . | Y E | | |
| | • | COMMENT: ACCELEROMETER ON EVG 747-100 FOR 1 06 INVESTIGATION. | Al Di Al | | BY: By: Al C | D'N 0 | | '97 A | LA: APPVD I APPVD I | SY : | SION | : DJP 8 R | | 97 /12/97 |
| | | | Ť | IRL T | H/CA | LMS: | | AP | TH/C/ | ALMS: N | 1 | | | |
| 170351 2.17 | FQIS SYS VOLTAGE | DESCRIPTION: FUEL QUANTITY INDICATION SYSTE LTAGE. PICK UP AT PIN \$2 (WIRE #400-0325-20) N CONNECTOR D1663J BEHIND FLIGHT ENGINEER'S | R) O | -251 | 1 | 25 8 | VA | C | .5000 | 5286 | 1 | Y | | -22 |
| | | L. | PARE | | | | | E | LEC | BOD | Y | Ē | | |
| | - | COMMENT: EVG 747-108 (TWA808 INVESTIGATION) | A D A | ELE PPROV | BY: BY: AL C | DJP 0 | | 97 A | LAS APPVD 1 APPVD 1 | BY: | SION | : DJP 0 R | | 97 /12/93 |
| | | | | NFLT: IRL T | | | | | | ALMS: N | | | | |

| TEST ITEM CODE: 82.2 | TEST ITEM REQUIREMENTS L. | IST | | 07/17/97 0904 PAGE NO 64 |
|----------------------------------|--|---|-------------------------|---|
| MEAS NO DATA SECT NO TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE UNI | | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| HNEHONIC | | BUS DATA REANAME LABEL TYPE BI | | DI/ |
| SOURCE POS SOURCE | | NAME LADEL TITE DI | | F INTRPL |
| MEAS ID | | SC FACT SIG UNITS OFF | | |
| neka (V | | WORD POS NO OF WORDS | TYPE LOCATION | RESP GRP |
| 6170352 FQIS SYS 2.17 CURRENT | DESCRIPTION: FUEL QUANTITY INDICATION SYSTEM CU RRENT. PICK UP AT PIN #2 (WIRE W488-Q325-20R) ON CONNECTOR D1663J BEHIND FLIGHT ENGINEER'S INSTR UMENT PANEL. | HS 8 5 AAC | .5008 3200 Elec Body | -2 2 Y EP |
| | COMMENT: EVG 747-100 (TWA800 INVESTIGATION). | ORIGINATOR: DJP 06/25/ ADDED BY: DJP 06/25/97 DELE BY: APPROVAL CNT: CNFLT: TIRL TH/CALMS: | 97 LAST REVISION: | DJP 06/27/97 RLP 07/12/97 |
| | DESCRIPTION: SURFACE TEMPERATURE #1. ON EXTERNA L CMT BOTTOM ALONG LBL 56 IN FORMARD BAY BETWEEN FRONT SPAR AND SPANWISE BEAM #3. | HS -60 250 DEG I | F 2.000 L TEMP BODY | -1 1 Y EP |
| - | COMMENT: EVG 747-100, RA028 (TWA INVESTIGATION) - | ORIGINATOR: DJP 06/23/ ADDED BY: DJP 06/24/97 DELE BY: APPROVAL CNT: CNFLT: TIRL TM/CALMS: | | RLP 07/12/97 |
| | DESCRIPTION: TEMPERATURE, SURFACE #2. ON EXTERN AL CWT BOTTOM ALONG LBL 58 IN FORWARD BAY BETWEE N FRONT SPAR AND SWB #3. | HS -60 250 DEG I | F 2.000 L | -1 1 Y EP |
| - | COMMENT: EVG 747-100 (TWA INVESTIGATION). | ORIGINATOR: DJP 06/23/ ADDED BY: DJP 06/24/97 DELE BY: APPROVAL CNT: CNFLT: TIRL TM/CALMS: | 97 LAST REVISION: | RLP 07/12/97 |

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|-----------------|------------------------------|--------------|-----------------|--|----------------------|---------------------------------------|---|---------|----------------|------------------------|-----|------------------------|---------------|------|
| TEST IT | EM CODE: 82.2 | 5.0039 | TES | T ITEM REQUIREMEN | TS LIST | | | | | | | 7/17/97 PAGE NO | 0904 65 | |
| HEAS NO | DATA | NEASUREMENT | DESCRIPTION | | RC | NIN VALU | | UNITS | | FREQ/ SAMPL RATE | FIL | CUTOFF FREQ HILO | | DSPL |
| SECT NO | TITLE | COMMENTS | | | BUS | | E VALUE DAT | | | KAIL | |)I/ | 14 | CODE |
| | SOURCE | | | | NAI | | ABEL TYP | | LSB | RSLN | | | ERO C | NT |
| | POS SOURCE | | | | sc | FACT | SIG UNIT | s offse | SPC | | | INTRP | | LAY |
| H | EAS ID | | | | | RD POS | | | TYPE | LOCAT | ION | RESP G | RP | |
| 6170356 2.17 | | | M ALONG LBL 58 | SURFACE #3. ON EX In Fornard Bay be | | -68 | 250 | DEG F | 2.000 | | | Y | -1 | 1 |
| | | | | | | | | | TEMP | BOI | | EP | | |
| | - | CONNENT: EV | /G 747-100 (THA | INVESTIGATION). | Al Di Al Ci | DDED BY ELE BY PPROVAL | TOR: DJP Y: DJP 86 Y: L CNT: /CALMS: | /24/97 | APPVD | | | RLP | 87/1 | 2/97 |
| 4178357 | S/T #4 13158 | DESCRIPTION | | SURFACE \$4. ON EX | | | 254 | | 2.001 | | | | -1 | 1 |
| | | | DH ALONG LBL 56 | IN FORMARD BAY BE | | ••• | | | | _ | | ¥ | | |
| | | | | | | | | | TEMP | BOD | NA. | EP | | |
| | - | CONNENT: EV | /G 747-199 (TWA | INVESTIGATION). | AI Di Ai Ci | DDED BY ELE BY PPROVAL NFLT: | L CHT: | /24/97 | APPVD APPVD | BY: BY: | | RLP | 07/1 | 2/97 |
| | | | | | | | /CALMS: | | | ALMS: N | | | | |
| 6178358 2.17 | S/T #5 LBL58 EXT CWT BTTH | AL CWT BOTTO | DM ALONG LBL 58 | SURFACE #5. ON EX IN HID BAY BETWEE | TERN HS | -68 | 254 | DEG F | 2.000 | 1 | | ۲ | -1 | 1 |
| | | B #2 AND MI | D SPAR. | | | | | | TEMP | BOC | Y | EP | | |
| | - | COMMENT: EV | VG 747-100 (TWA | INVESTIGATION). | A) Ai Ci | DDED B ELE B PPROVAL NFLT: | TOR: DJP Y: DJP 06 Y: L CHT: //CALHS: | /24/97 | APPVD APPVD | BY: | | | 23/97 07/1 | |

87/17/97 0904 PAGE NO 66 TEST ITEN REQUIREMENTS LIST TEST ITEM CODE: 82.23.0039 FREQ/ CUTOFF SAMPL FIL FREQ PWR DSPL UNITS ACC RATE TER HI---LO 10 CODE MEASUREMENT DESCRIPTION MEAS NO RC MIN MD VALUE VALUE DATA SDI/ EXT MNEMONIC BUS-NAME DATA TYPE REQD BITS ZERO CNT LSB RSLN LABEL SOURCE POS SOURCE SPCL BUS & OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID LOCATION RESP GRP WORD POS NO OF WORDS TYPE 6170359 S/T #6 LBL58 DESCRIPTION: TEMPERATURE, SURFACE #6. ON EXTERN HS -60 2.17 EXT CWT BITM AL CWT BOTTON ALONG LBL 58 IN HID BAY BETWEEN SW B #2 AND HID SPAR. AFT OF T/C 6170358. -1 1 250 DEG F 2.000 1 Y EP BODY TEMP
 ORIGINATOR: DJP 06/23/97
 LAST REVISION: DJP 07/02/97

 ADDED BY: DJP 06/24/97
 APPVD BY:
 RLP 07/12/97

 DELE BV:
 APPVD BY:
 RLP 07/12/97

 APPROVAL CMT:
 CNFLT:
 TIRL TM/CALMS:
 COMMENT: EVG 747-100 (TWA INVESTIGATION). -6170360 S/T #7 LBL58 DESCRIPTION: TEMPERATURE, SURFACE #7. ON EXTERN HS -60 2.17 EXT CWT BTTM AL CWT BOTTOM ALONG LBL 56 IN REAR BAY BETWEEN M ID SPAR AND SWB #1. -1 1 250 DEG F 2.000 1 ٧ ĒΡ TEMP BODY ORIGINATOR: DJP 06/23/97 LAST REVISION: DJP 06/23/97 ADDED BY: DJP 06/24/97 APPVD BV: RLP 07/12 DELE BY: APPVD BY: APPROVAL CMT: CMETT: COMMENT: EVG 747-100 (TWA INVESTIGATION). RLP 07/12/97 -CNFLT: TIRL TM/CALMS: AP TH/CALMS: N 6170361 S/T #8 LBL58 DESCRIPTION: TEMPERATURE, SURFACE #8. ON EXTERN HS -60 2.17 EXT CWT BITM AL CWT BOTTOM ALONG LBL 58 IN REAR BAY BETWEEN M ID SPAR AND SWB #1. AFT OF T/C 6170360. 250 DEG F 2.000 1 -1 1 TEMP BODY ĒΡ
 ORIGINATOR: DJP 06/23/97
 LAST REVISION: DJP 07/02/97

 ADDED BY: DJP 06/26/97
 APPVD BV:
 RLP 07/12/97

 DELE BV:
 APPVD BY:
 RLP 07/12/97

 APPROVAL CHT:
 CNFLT:
 TIRL TH/CALMS:
 COMMENT: EVG 747-100 (TWA INVESTIGATION). -

| | - | TEST ITEM REQUIREMENTS L | .IST 07/17/97 09 |
|--------------------|------------------------------|---|--|
| TEST ITE | N CODE: 82.2 | 3.0039 | PAGE NO FREO/ CUTOFF |
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX SAMPL FIL FREQ PM MD VALUE VALUE UNITS ACC RATE TER HILO I |
| - | HNEMONIC | | BUS DATA REQD SDI/ NAME LABEL TYPE BITS LSB RSLN EXT ZERO |
| | DURCE POS SOURCE | | SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID |
| HE | AS ID | | NORD POS NO OF WORDS TYPE LOCATION RESP GRP |
| | | DESCRIPTION: TEMPERATURE, SURFACE 89. ON EXTERN AL CWT BOTTOM ALONG LBL 58 IN REAR BAY BETWEEN S WB 81 AND REAR SPAR. | |
| | - | COMMENT: EVG 747-100 (THA INVESTIGATION). | ORIGINATOR: DJP 06/23/97 LAST REVISION: DJP 06/23/ ADDED BY: DJP 06/24/97 APPVD BY: RLP 07 DELE BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: AP TH/CALMS: N |
| 6170563 2.17 | S/TOLO LBL58 Ext CWT BTTH | DESCRIPTION: TEMPERATURE, SURFACE \$10. ON EXTER NAL CWT BOTTOM ALONG LBL 58 IN REAR BAY BETWEEN SWB \$1 AND REAR SPAR. AFT OF \$178562. | 2 HS -60 250 DEG F 2.800 1 Y TEMP BODY EP |
| | - | COMMENT: EVG 747-100 (TWA INVESTIGATION). | ORIGINATOR: DJP 06/23/97 LAST REVISION: DJP 07/02/ ADDED BY: DJP 06/24/97 APPVD BY: RLP 07 DELE BY: APPVD BY: RLP 07 AFPROVAL CHT: CNFLT: TIRL TH/CALMS: AP TH/CALMS: N |
| | | DESCRIPTION: TEMPERATURE, SURFACE \$1. ON EXTERN AL CHT BOTTOM ALONG RBL 58 IN FORMARD BAY BETWEE N FRONT SPAR AND SWB \$3. | |
| | | | TENP BODY EP |
| | | | DELE BY: APPVD BY: Approval CMT: CMFLT: TIRL TH/CALMS: AP TH/CALMS: N |
| | | | |
| TEST ITE | N CODE: B2.2 | TEST ITEM REQUIREMENTS L | PAGE NO |
| MEAS NO SECT NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | FREG/ CUTOFF RC MIN MAX SAMPL FIL FREG PM MD VALUE VALUE UNITS ACC RATE TER HILO 1 |
| | MNEMONIC | | BUS DATA REQD SDI/ NAME LABEL TYPE BITS LSB RSLN EXT ZERO |
| | POS SOURCE | | SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID |
| HE | AS ID | | WORD POS NO OF WORDS TYPE LOCATION RESP GRP |
| | | DESCRIPTION: TEMPERATURE, SURFACE #2. ON EXTERN AL CWT BOTTOM ALONG RBL 58 IN FORMARD BAY BETHEE N FRONT SPAR AND SWB #3. AFT OF 6170364. | |
| | - | COMMENT: EVG 747-100 (TWA INVESTIGATION). | ORIGINATOR: DJP 06/23/97 LAST REVISION: DJP 07/02/ ADDED BY: DJP 06/24/97 APPVD BY: RLP 07 DELE BY: APPVD BY: RLP 07 APPROVAL CNT: CWFLT: |
| | | | |
| (1749 | * /TAP | | TIRL TH/CALMS: AP TH/CALMS: N |
| | | DESCRIPTION: TEMPERATURE, SURFACE #3. ON EXTERN AL CWT BOTTOM ALONG RBL 58 IN FORMARD BAY BETWEE N SWB #3 AND SWB #2. | TIRL TH/CALMS: AP TH/CALMS: N M MS -60 250 DEG F 2.000 1 |

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| S/T#4 RBL58 DE | | | -60 | 250 | DEG F | 2.000 | 1 | | -1 1 |
|----------------|--------------|--|-----|-----|-------|-------|------|---------|------|
| | SWB #3 AND S | | | | | TEMP | BODY | Y EP | |

COMMENT: EVG 747-100 (TWA INVESTIGATION). ORIGINATOR: DJP 06/23/97 LAST REVISION: DJP 07/02/97 ADDED BY: DJP 06/24/97 APPVD BY: RLP 07/12/97 DELE BY: APPVD BY: APPROVAL CMT: CMFLT: TIRL TM/CALMS: AP TM/CALMS: N •

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| TEST IT | EM CODE: B2.2 | 3.0039 TES | T ITEM REQUIREMENTS LI | ST | | | | | | | | 07/17/97 PAGE NO | 8904 61 | |
|--------------------|----------------------|--|------------------------|-------------------|-------------|-------------|--------------|------------------|------------|----------|-------|------------------------|------------|------------|
| MEAS NO SECT NO | DATA | MEASUREMENT DESCRIPTION | | | MIN VALU | | MAX VALUE | UNIT | S ACC | | | CUTOFF FREQ HILO | PWR 10 | |
| | HNEMONIC | | | BUS NAME | | | | | D S LSB | | | | ERO (| - |
| | SOURCE POS SOURCE | | | | | | | | SPC | L BUS | * 0 | F INTRP | L | |
| н | EAS ID | | | | ACT | | | i offsi Kords | | .G RATE | | S VALID RESP G | | ELAY |
| | | | | | | | | | | | | | | |
| 2.17 | | DESCRIPTION: TEMPERATURE, AL CWT BOTTOM ALONG RBL 58 | | HS - | 60 | 2 | 50 | DEG F | 2.000 | 1 | | | -1 | 1 1 |
| | | B #2 AND HID SPAR. | | | | | | | TEMP | 800 | | Y EP | | |
| | - | COMMENT: EVG 747-188 (THA | INVESTIGATION). | ADD DEL APP | | Y: D. Y: | JP 06/ | 24/97 | | | SION: | | 07/1 | 12/97 |
| | | | | | IL TH | | | | AP TH/C | CALMS: N | I | | | |
| 6178369 2.17 | | DESCRIPTION: TEMPERATURE, AL CWT BOTTOM ALONG RBL 58 B #2 AND MID SPAR. AFT OF 6 | IN MID BAY BETWEEN SW | HS - | -60 | 2 | 50 | DEG F | 2.000 | 3 1 | | ¥ | -1 | 1 1 |
| | | | | | | | | | TEMP | BOD | Y | ÉP | | |
| | - | COMMENT: EVG 747-100 (TWA | INVESTIGATION). | ADD DEL APP | | Y: D. Y: | JP 06/ | 6/23/9 24/97 | | BY: | SION: | DJP 07/ RLP | | 7 12/97 |
| | | | | TIR | IL TH | /CAL | MS : | 1 | AP TH/C | ALMS: N | 1 | | | |
| 6178378 2.17 | | DESCRIPTION: TEMPERATURE, AL CWT BOTTOM ALONG RBL 58 | | HS - | 60 | 2 | 50 | DEG F | 2.000 | 9 1 | | | -1 | 1 1 |
| | | ID SPAR SWB #1. | | | | | | | TEMP | BOE | Y | Y EP | | |
| | - | COMMENT: EVG 747-100 (TWA | INVESTIGATION). | ADD DEL APP | | Y: D. Y: | JP 06/ | 24/97 | | | SION: | RLP | 6771 | 12/97 |
| | | | | | EL TH | /CAL | MS: | | AP TH/C | ALMS: N | | | | |

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TEST ITEM REQUIREMENTS LIST 07/17/97 0904 PAGE NO 70 TEST ITEM CODE: 82.23.0939 CUTOFF FREO/ HEAS NO SECT NO MEASUREMENT DESCRIPTION COMMENTS RC MIN MD VALUE SAMPL FIL FREQ PWR DSPL UNITS ACC RATE TER HI---LO 18 CODE DATA MAX TITLE VALUE MNEMONIC DATA LABEL TYPE REQD BITS LSB RSLN SDI/ EXT BUS NAME ZERO CNT SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID WORD POS NO OF WORDS TYPE LOCATION RESP GRP 6170371 S/T#8 RBLS8 DESCRIPTION: TEMPERATURE, SURFACE #8. ON EXTERN HS -60 2.17 EXT CWT BTTM AL CWT BOTTOM ALONG RBL 58 IN REAR BAY BETWEEN M ID SPAR SWB #1. AFT OF 6170370. 250 DEG F 2.000 1 -1 1 Y EP TEMP BODY
 ORIGINATOR:
 DJP
 06/23/97
 LAST REVISION:
 DJP
 07/02/97

 ADDED
 BY:
 DJP
 06/24/97
 APPVD
 BY:
 RLP
 07/12/97

 DELE
 BY:
 APPVD
 BY:
 RLP
 07/12/97
 COMMENT: EVG 747-100 (TWA INVESTIGATION). -APPROVAL CHT: CNFLT: TIRL TM/CALMS: AP TH/CALHS: N 6170372 S/T&9 RBL56 DESCRIPTION: TEMPERATURE, SURFACE #9. ON EXTERN HS -60 250 2.17 EXT CWT BITM AL CWT BOTTON ALONG RBL 58 IN REAR BAY BETWEEN S HB #1 AND REAR SPAR. DEG F 2.000 1 -1 1 TEMP BODY EP ORIGINATOR: DJP 06/23/97 LAST REVISION: ADDED BY: DJP 06/24/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: OFFIT: COMMENT: EVG 747-100 (TWA INVESTIGATION). RLP 07/12/97 -CNFLT: TIRL TM/CALMS: AP TH/CALMS: N 6170373 S/T#10RBL58 DESCRIPTION: TEMPERATURE, SURFACE #10. ON EXTER HS -60 250 2.17 EXT CWT BITH NAL CWT BOTTOM ALONG RBL 58 IN REAR BAY BETWEEN SWB #1 AND REAR SPAR. AFT OF T/C 6170372. DEG F 2.000 ı -1 1 TEMP BODY ËP ORIGINATOR: DJP 06/23/97 LAST REVISION: DJP 07/02/97 ADDED BY: DJP 06/23/97 APPVD BY: RLP 07/12/97 DELE SY: APPVD BY: APPROVAL CMT: CMFLT: COMMENT: EVG 747-100 (TWA INVESTIGATION). -CNFLT: TIRL, TM/CALMS: AP TH/CALMS: N

| TEST ITEM CO | DE: 82.23 | TEST ITEM REQUIREMENTS L | | | | 17/97 8984 E NO 71 |
|----------------------|---------------|---|---|--------------------|-----------------------|-----------------------------------|
| NEAS NO SECT NO | DATA TITLE | | RC HIN MAX MD VALUE VALUE UNI | | NPL FIL F | ITOFF TREQ PWR DS [LO 18 CO |
| н | EMONIC | | | IQD ITS LSB RSL | SDI/ N EXT | ZERO CNT |
| | SOURCE | | SC FACT SIG UNITS OFF | SPCL SET HDLG | BUS # OF RATE BITS | INTRPL VALID DELAY |
| HEAS | 10 | | WORD POS NO OF WORDS | TYPE L | OCATION R | ESP GRP |
| 6170374 PI 9.03 | ich ins | DESCRIPTION: PITCH ATTITUDE FROM INS. SHELF E2- 6, Bilo INS 82, CONNECTOR DI186J, PINS -17(X) -1 6(Y) -18(Z). FOR EXCITATION VOLTAGE TO POWER DAT A CARD, USE CONNECTOR DI186J PIN 3; AND FOR GROU ND USE GONMOTAC. | H\$ -28 \$8 DEG | 1.000 Elec | 10 EEBA | -1 1 Y EP |
| - | | COMMENT: EVG 747-100 (THA INVESTIGATION). | ORIGINATOR: DJP 06/23/ ADDED BY: DJP 06/24/97 DELE BY: APPROVAL CHT: CWFLT: TIRL TH/CALMS: | | | JP 86/27/97 RLP 87/12/9 |
| 6170375 ROLI 8.03 | ATITUD INS | DESCRIPTION: ROLL ATTITUDE FROM INS. SHELF E2-6 , bilo ins 02, connector dil65J, pins -14(X) -13 (Y) -15(Z). FOR EXCITATION VOLTAGE FOR CARD POWE R, USE CONNECTOR DI166J PIN 3; AND FOR GROUND US | HS -20 ŠO DEG | 1.000 ELEC | 10 EEBA | -1 1 Y EP |
| - | | E GDX87-AC. Comment: EVG 747-188 (THA INVESTIGATION). | ORIGINATOR: DJP 06/23/ ADDED BY: DJP 06/24/97 DELE BY: APPROVAL CHT: CNFLT: TIRL TM/CALMS: | | | JP 86/27/97 RLP 87/12/9 |
| | | DESCRIPTION: TENPERATURE, AMBIENT \$1. ON LBL 58 Between Front Spar and SMB 83, Directly Below T /C 6170354, 4 Inches Below CHT Botton. | HS -60 250 DEG | F 2.000 | 1 | -1 1 V |
| | | TO BITUSSA, A INCHES BELOW CHT BUTTON. | | TEMP | BODY | EP |
| | | COMMENT: EVG 747-108 (THA 809 INVESTIGATION). | ORIGINATOR: DJP 06/24/ ADDED BY: DJP 06/24/97 DELE BY: | | | RLP 07/12/9 |

07/17/97 0904 PAGE NO 72 TEST ITEM REQUIREMENTS LIST TEST ITEM CODE: 82.23.0039 CUTOFF FREQ/ MEASUREMENT DESCRIPTION COMMENTS FIL FREQ PWR DSPL TER HI---LO 10 CODE SAMPL UNITS ACC RATE MEAS NO SECT NO RC MD DATA **MTN** MAX TITLE VALUE VALUE HNEMONIC REQD BITS LSB RSLN SDI/ EXT BUS DATA LABEL TYPE ZERO CNT NAME SOURCE POS SOURCE SPCL BUS & OF INTRPL SC FACT SIG UNITS OFFSET HOLG RATE BITS VALID DELAY MEAS ID WORD POS NO OF WORDS TYPE LOCATION RESP GRP 6170377 A/T #2 LBL58 DESCRIPTION: TEMPERATURE, AMBIENT #2. ON LBL 58 HS -60 2.17 EXT CWT BTTM BETWEEN SWB #3 AND SWB #2, DIRECTLY BELOW T/C 6 170356, 4 INCHES BELOW CWT BOTTOM. 250 DEG F 2.000 1 -1 1 Y EP TEMP BODY ORIGINATOR: DJP 06/24/97 LAST REVISION: ADDED BY: DJP 06/24/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: CNFLT: TIRL TM/CALMS: AP TM/CALMS: N COMMENT: EVG 747-100 (THA 888 INVESTIGATION). RLP 07/12/97 -6170378 A/T #3 LBL58 DESCRIPTION: TEMPERATURE, AMBIENT #3. ON LBL 58 HS -60 2.17 EXT CWT BTTM BETWEEN SWB #2 AND MID SPAR, DIRECTLY BELOW T/C 6170358, 4 INCHES BELOW CWT BOTTOM. DEG F 2.000 -1 1 250 1 TEMP BODY ÉP ORIGINATOR: DJP 06/24/97 LAST REVISION: DJP 06/24/97 ADDED BY: DJP 06/24/97 APPVD BY: RLP 07/1; DELE BY: APPVD BY: APPVD BY: APPROVAL CHT: COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). RLP 07/12/97 -CNFLT: TIRL TH/CALMS: AP TH/CALMS: N 6170379 A/T 84 LBL58 DESCRIPTION: TEMPERATURE, AMBIENT 86. ON LBL 58 HS -60 2.17 EXT CNT BTTM BETYEEN HID SPAR AND SNB #1, DIRECTLY BELOW T/C 6170360, 4 INCHES BELOW CWT BOTTOM. 250 DEG F 2.000 -1 1 1 ÉP BODY TEMP ORIGINATOR: DJP 06/24/97 LAST REVISION: ADDED BY: DJP 06/24/97 APPVD BY: DELE BY: APPVD BY: APPOVAL CHT: COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). RLP 07/12/97 CNFLT: TIRL TM/CALMS: AP TH/CALMS: N

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| TEST ITE | M CODE: B2.2 | TEST ITEM REQUIREMEN 3.0039 | NIS LIST | | | ~ | | | | | 87/17/97 PAGE NO | | |
|-------------------------|------------------------------|---|-------------------|-------------------------------|--------------------|--------------|--------------------|----------------|------------|---------|------------------------|-------------|------------|
| NEAS NO | DATA TITLE | MEASUREMENT DESCRIPTION COMMENTS | RC MD | NI VAL | | MAX VALUE | E UNIT | S ACC | | | CUTOFF FREQ HILO | | DSP COD |
| | HNEHONIC | | BU | | LABE | DAT | | D S LSB | RSLN | | EXT 2 | ERG (| CNT |
| | SOURCE POS SOURCE | | sc | FACT | 51 | G UNI | IS OFFS | | L BUS | | NF INTRE | | ELAY |
| 112 | EAS ID | | WO | RD PO | s | NO OF | WORDS | TYPE | LOCAT | TION | RESP G | RP | |
| 617 8388 2.17 | EXT CWT BTTH | DESCRIPTION: TEMPERATURE, ANDIENT 85. ON LI Between SWB #1 and Rear Spar, directly belo C 6170362, 4 inches below ont bottom. | BL 58 HS Ow T/ | -68 | | 250 | DEG P | 2.000 TEMP |) 1 BOI | 1 DY | Y EP | - | 1 1 |
| | - | CONMENT: EVØ 747-100 (TWA 600 INVESTIGATIO | A D A C | DDED ELE PPROV NFLT: | BY: BY: AL C | DJP 8 | 86/24/9 5/24/97 | APPVD APPVD | BY: | | : RLI | 67 / | 12/97 |
| 6170381 2.17 | A/T #1 RBL58 EXT CWT BTTH | DESCRIPTION: TEMPERATURE, AMBIENT #1. ON R Between front spar and smb#3, directly belo C 6170364, 4 inches below CNT bottom. | BL 58 HS ON T/ | -68 | | 250 | DEG F | 2.00 | 1 : 501 | 1 | Y FP | - | 1 1 |
| | | | | | | | | TEMP | | | | | |
| | - | COMMENT: EVG 747-100 (THA 800 INVESTIGATIO | A D A | | BY: BY: AL C | DJP 0 | 86/24/9 6/24/97 | | | ISION | | P 87/ | 12/97 |
| | | | | | | ALMS : | | AP TH/ | CALHS: | N | | | |
| 6170382 2.17 | A/T #2 RBLS8 Ext CWT BTTM | DESCRIPTION: TEMPERATURE, AMBIENT #2. ON R BETWEEN SWB #3 AND SWB #2, DIRECTLY BELOW | BL 58 HS T/C 6 | -60 | | 250 | DEG F | 2.88 | 0 | 1 | v | - | 1 1 |
| | | 170366, 4 INCHES BELON CWT BOTTON. | | | | | | TEMP | BO | DY | ÉP | | |
| | - | COMMENT: EVG 747-100 (TWA 800 INVESTIGATIO | A | | BY: BY: | DJP 0 | 86/24/9 6/24/97 | | BV: | ISION | : RLI | P 87/ | 12/97 |

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| TEST IT | EN CODE: 82.25 | TEST ITEM REQUIREMENTS L | IST | | | 7/17/97 0904 AGE NO 74 |
|------------------|------------------------------|---|---|------------------|--------------------------------|---|
| EAS NO ECT NO | | MEASUREMENT DESCRIPTION COMMENTS | RC MIN MAX MD VALUE VALUE | UNITS ACC | FREQ/ SAMPL FIL RATE TER | CUTOFF FREQ PWR DSPL HILO 10 CODE |
| | MNEMONIC | | BUS DATA NAME LABEL TYPE | REQD BITS LSB | | T ZERO CNT |
| | SOURCE POS SOURCE | | | SPC | L BUS # OF | INTRPL |
| м | EAS ID | | SC FACT SIG UNITS | | G RATE BITS | RESP GRP |
| | | | WORD POS NO OF WO | KUS IYPE | LUCATION | KESP UKP |
| | | DESCRIPTION: TEMPERATURE, ANBIENT #3. ON RBL 58 BETWEEN SWB #2 AND HID SPAR, DIRECTLY BELOW T/C | HS -68 250 | DEG F 2.000 | 1 | -1 1 Y |
| | | 6170368, 4 INCHES BELOW CWT BOTTOM. | | TEMP | BODY | ËP |
| | - | COMMENT: EVG 747-180 (TWA 800 INVESTIGATION). | ORIGINATOR: DJP 00 Added by: DJP 06/2 Dele by: Approval CMT: CNFLT: | | BY: | RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/C | ALMS: N | |
| 170384 | | DESCRIPTION: TEMPERATURE, AMBIENT #4. ON RBL 58 Between MID Spar and SMB #1, Directly Below T/C 6170370, 4 Inches Below CHT BOTTOM. | | DEG F 2.000 | 1 | -1 1 V |
| | | elfeste, a inches below call bollom. | | TEMP | BODY | EP |
| | - | COMMENT: EVG 747-100 (THA 800 INVESTIGATION). | ORIGINATOR: DJP 00 Added by: DJP 06/2 Dele by: Approval CNT: CNFLT: | | BY: | RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/C | ALMS: N | |
| 2.17 | A/T #5 RBL58 Ext CWT BTTH | DESCRIPTION: TEMPERATURE, AMBIENT #5. ON RBL 50 BETWEEN SWB #1 AND REAR SPAR, DIRECTLY BELOW T/ C 6170372, 4 INCHES BELOW CWT BOTTOM. | | DEG F 2.000 | 1 | -1 1 V |
| | | C 01/03/2, 4 INCHES BELOW CWI BOILON. | | TEMP | BODY | EP |
| | - | COMMENT: EVG 747-188 (TWA 888 INVESTIGATION). | ORIGINATOR: DJP 00 ADDED BY: DJP 06/2 DELE BY: APPROVAL CHT: | | BY: | RLP 07/12/97 |
| | | | CNFLT: TIRL TM/CALMS: | AP TH/C | ALMS: N | |

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| TEST ITEN CODE: 82.23 | TEST ITEM REQUIREMENTS L. | 151 | | | | 07/17/97 0904 PAGE NO 75 |
|-----------------------------------|---|--|-----------------|---|--------------------------------|-------------------------------------|
| | MEASUREMENT DESCRIPTION | RC MIN MD VALUE | MAX VALUE | UNITS ACC | FREQ/ SAMPL FIL RATE TER | CUTOFF FREQ PWR DS HILO 10 CO |
| MNEMONIC | | BUS NAME LABE | DATA EL TYPE | REQD BITS LSB | | DI/ XT ZERO CNT |
| SOURCE POS SOURCE | | SC FACT SI | IG UNITS | SPC | L BUS B O G RATE BIT | |
| HEAS ID | | WORD POS | NO OF HOR | DS TYPE | LOCATION | RESP GRP |
| 178386 AVT 81 TANKS 2.17 VENT | DESCRIPTION: TEMPERATURE, ANDIENT #1. AT THE SU RGE TANK END OF THE MAIN TANK #3 VENT CHANNELS. CENTER T/C A FEN INCHES INSIDE CHANNEL. | HS -68 | 258 D | EG F 2.000 TEMP | 1 BODY | -1 1 Y EP |
| | CONNENT: EVG 747-100 (THA 800 INVESTIGATION). | | CHT: | 26/97 LA /97 APPVD APPVD AP TH/C | BY : | RLP 07/12/1 |
| 170367 A/T \$2 TANKS 2.17 VENT | DESCRIPTION: TEMPERATURE, AMBIENT #2. AT THE SU RGE TANK END OF THE MAIN TANK #3 VENT CHANNELS. CENTER T/C A FEM INCHES INSIDE CHANNEL. | HS -68 | 250 D | EG F 2.000 TEMP | 1 BODY | -1 : V EP |
| - | COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). | ORIGINATO ADDED BY: DELE BY: APPROVAL (CMFLT: TIRL TM/CA | CHT: | | ST REVISION: BY: BY: | RLP 07/12/9 |
| 179388 A/T TANK4 2.17 VENT | DESCRIPTION: TEMPERATURE, AMBIENT. AT THE SURGE Tank end of the main tank 84 vent channel. Cen Ter T/C a few inches inside channel. | | 250 D | EG F 2.000 TEMP | 1 BODY | -1 Y Ep |
| - | COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). | | - | 26/97 LA /97 APPVD APPVD | | RLP 07/12/ |

07/17/97 0904 TEST ITEM REQUIREMENTS LIST TEST ITEM CODE: 82.23.0039 PAGE NO 76 CUTOFF FREO/ MEASUREMENT DESCRIPTION MIN MAX VALUE SAM FIL TER FREQ PWR DSPL HI---LO 10 CODE MEAS NO RC MD SAMPL DATA UNITS ACC TITLE VALUE HNEHONIC BUS DATA REQD BITS SDI/ EXT LSB RSLN ZERO CNT LABEL NAME SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID RESP GRP LOCATION TYPE WORD POS NO OF WORDS DESCRIPTION: TEMPERATURE, AMBIENT. INSIDE THE S HS -60 Urge Tank overboard vent duct, at the outboard s Ide of the bend (at the limit of the surge tank Supp. Detector view). Center in duct. -1 1 A/T #1 SRG TNK OVBD VT DEG E 2.000 1 6170389 258 2.17 v ĒΡ TEMP BODY
 ORIGINATOR: DJP 06/26/97
 LAST REVISION: DJP 06/26/97

 ADDED BY: DJP 06/27/97
 APPVD BY:
 RLP 07/12/97

 DELE BY:
 APPVD BY:
 RLP 07/12/97

 DELE BY:
 APPVD BY:
 CMPLT:

 APPROVAL CMT:
 CMFLT:
 TIRL TH/CALMS:
 COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). -6170390 A/T #2 SURGE DESCRIPTION: TEMPERATURE, AMBIENT #2. INSIDE TH HS -60 2.17 OVRBD VENT E SURGE TAMK OVERBOARD VENT DUCT, AT THE OPENING INTO THE SURGE TAMK. CENTER INSIDE DUCT. DEG F 2.000 ı -1 1 258 TEMP BODY FP ORIGINATOR: DJP 06/26/97 LAST REVISION: ADDED BY: DJP 06/27/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: CMETT: COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). RLP 07/12/97 -CNFLT: TIRL TH/CALMS: AP TH/CALMS: N 6170391 -1 1 A/T #1 RT DESCRIPTION: TEMPERATURE, AMBIENT #1. CENTER IN HS -60 WNG SURGETNK EACH BAY OF RIGHT WING SURGE TANK. DEG E 2.000 1 250 2.17 ĒΡ TEMP BODY
 ORIGINATOR: DJP 06/26/97
 LAST 5

 ADDED BY: DJP 06/27/97
 APPVD BY:

 DELE 8V:
 APPVD BY:

 APPROVAL CMT:
 CNFLT:

 TIRL TH/CALMS:
 AP TM/CALMS
 COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). LAST REVISION: RLP 07/12/97 _ AP TH/CALHS: N

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|--------------------------|------------------------|--|---|---------------------------|---------------------------------|
| TEST IT | EN CODE: 82.2 | TEST ITEM REQUIREMENTS L | IST | | 07/17/97 0904 PAGE NO 77 |
| MEAS NO | DATA | MEASUREMENT DESCRIPTION | RC HIN HAX | FREQ/ SAMPL | CUTOFF FIL FRED PWR DSPL |
| SECT NO | TITLE | COMMENTS | ND VALUE VALUE U | NITS ACC RATE | TER HILO 10 CODE |
| | MNEMONIC | | | REQD BITS LSB RSLN | SDI/ EXT ZERO CNT |
| : | SOURCE POS SOURCE | | SC FACT SIG UNITS OF | SPCL BUS | # OF INTRPL BITS VALID DELAY |
| н | EAS ID | • · | WORD POS NO OF WORD | | |
| 6170392 2.17 | | DESCRIPTION: TEMPERATURE, AMBIENT #2. CENTER IN EACH BAY OF RIGHT WING SURGE TANK. | HS -60 250 DE | GF 2.088 1 | -1 1 |
| | | | | TEMP BODY | ËP |
| | - | COMMENT: EVG 747-100 (THA 800 INVESTIGATION). | ORIGINATOR: DJP 06/2 ADDED BY: DJP 06/27/ DELE BY: APPROVAL CNT: CNFLT: TIRL TH/CALMS: | | ION: RLP 07/12/97 |
| 6170393 2.17 | A/T TANKS INBO VENT | DESCRIPTION: TEMPERATURE, AMBIENT. INSIDE MAIN TANK#3 INBOARD VENT OPENING. CENTER A FEW INCHES INSIDE TUBING. | | G F 2.000 1 TEMP BODY | -1 1 Y EP |
| | - | COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). | ORIGINATOR: DJP 06/2 ADDED BY: DJP 06/27/ DELE BY: APPROVAL CNT: CMFLT: TIRL TM/CALMS: | | ION: RLP 07/12/97 |
| 617 839 4 2.17 | A/T TANKS OTBD VENT | DESCRIPTION: TEMPERATURE, AMBIENT. INSIDE MAIN TANK#S OUTBOARD VENT OPENING. CENTER A FEW INCHE S INSIDE TUBING. | | GF 2.000 1 | -1 1 Y |
| | | | | TEMP BODY | EP |
| | - | COMMENT: EVG 747-100 (TWA 800 INVESTIGATION). | ORIGINATOR: DJP 06/2 ADDED BY: DJP 06/27/ Dele BY: Approval CHT: CNFLT: | 97 APPVD BY: Appvd by: | ION: RLP 07/12/97 |
| | | | TIRL TH/CALMS: | AP TH/CALHS: N | |

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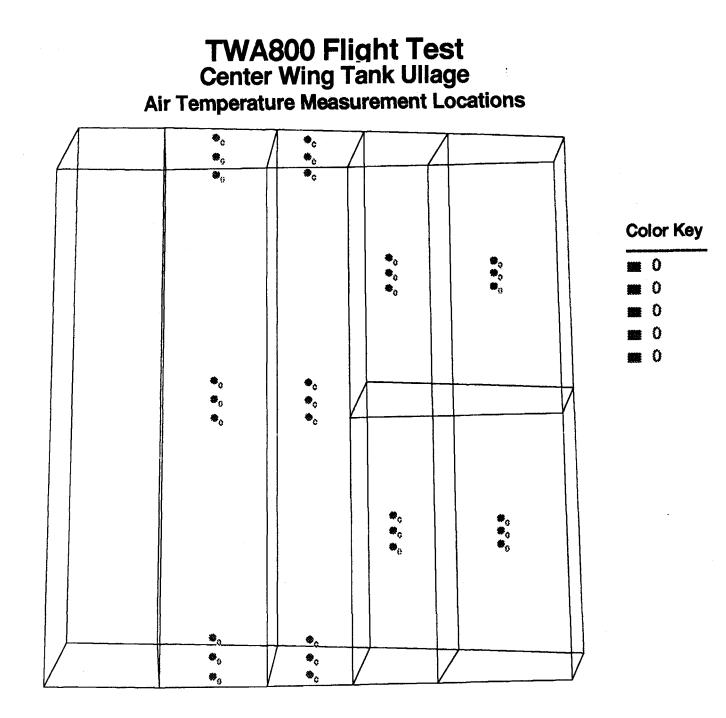
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TEST ITEM REQUIREMENTS LIST 07/17/97 0904 PAGE NO 78 TEST ITEM CODE: 82.23.0039 CUTOFF FREG PWR DSPL HI---LO 10 CODE FREQ/ SAMPL FIL RATE TER MEAS NO DATA TITLE HEASUREMENT DESCRIPTION COMMENTS HIN VALUE MAX VALUE RC MD UNITS ACC BUS NAME DATA TYPE REQD BITS LSB RSLN SDI/ EXT MNEMONIC LABEL ZERO CNT SOURCE POS SOURCE SPCL BUS # OF INTRPL SC FACT SIG UNITS OFFSET HDLG RATE BITS VALID DELAY MEAS ID WORD POS NO OF WORDS TYPE LOCATION RESP GRP A/T \$1 INT DESCRIPTION: TEMPERATURE, AMBIENT. NEAR HIGH PO HS -60 TANK3 INT OF EACH FUEL PUMP POWER CONDUIT (JUST FORWAR D OF WHERE THE TUBING IS CLAMPED TO THE WING RIB). T/C'S SHOULD BE APPROX OF BELOW WING TOP SKIN AND 3" FROM ANY ADJACENT STRUCT OR TUBING. COMMENT: EVG 747-100 (TWA 608 INVESTIGATION). ORIGIN 6170395 254 DEG F 2.000 1 -1 1 2.17 ĒΡ TEMP BODY ORIGINATOR: DJP 06/26/97 LAST 8 ADDED BY: DJP 06/27/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CHT: CNFLT: TIRL TH/CALMS: AP TH/CALMS LAST REVISION: RLP 07/12/97 -AP TH/CALMS: N A/T #2 INT DESCRIPTION: TEMPERATURE, AMBIENT. NEAR HIGH PO HS -60 TANK3 INT OF EACH FUEL PUMP POWER CONDUIT (JUST FORWAR D OF WHERE THE TUBING IS CLAMPED TO THE WING RIB). T/C'S SHOULD BE APPROX 6" BELOW WING TOP SKIN AND 3" FROM ANY ADJACENT STRUCT OR TUBING. COMMENT: EVG 747-100 (THA 800 INVESTIGATION). ORIGIN 6170396 250 DEG F 2.000 1 -1 1 TEMP BODY έP ORIGINATOR: DJP 06/26/97 LAST REVISION: ADDED BY: DJP 06/27/97 APPVD BY: DELE BY: APPVD BY: APPROVAL CMT: RLP 07/12/97 CNFLT: TIRL TH/CALMS:

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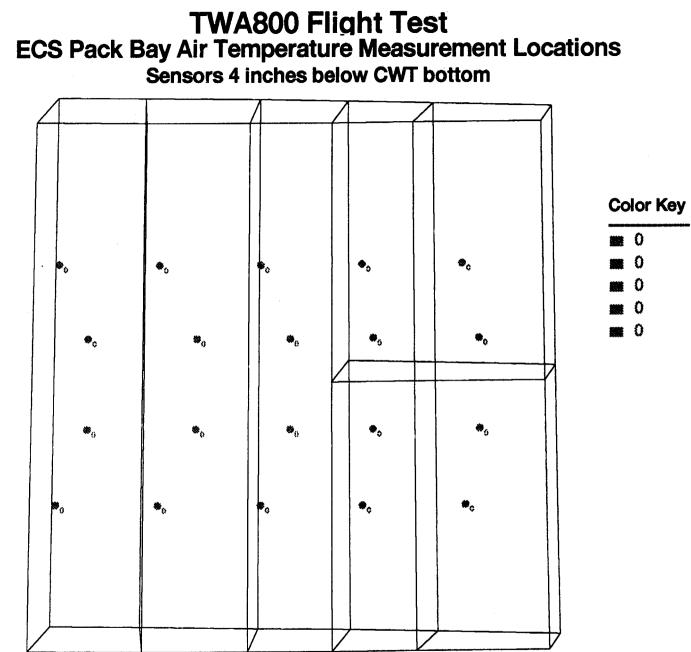
AP TH/CALMS: N



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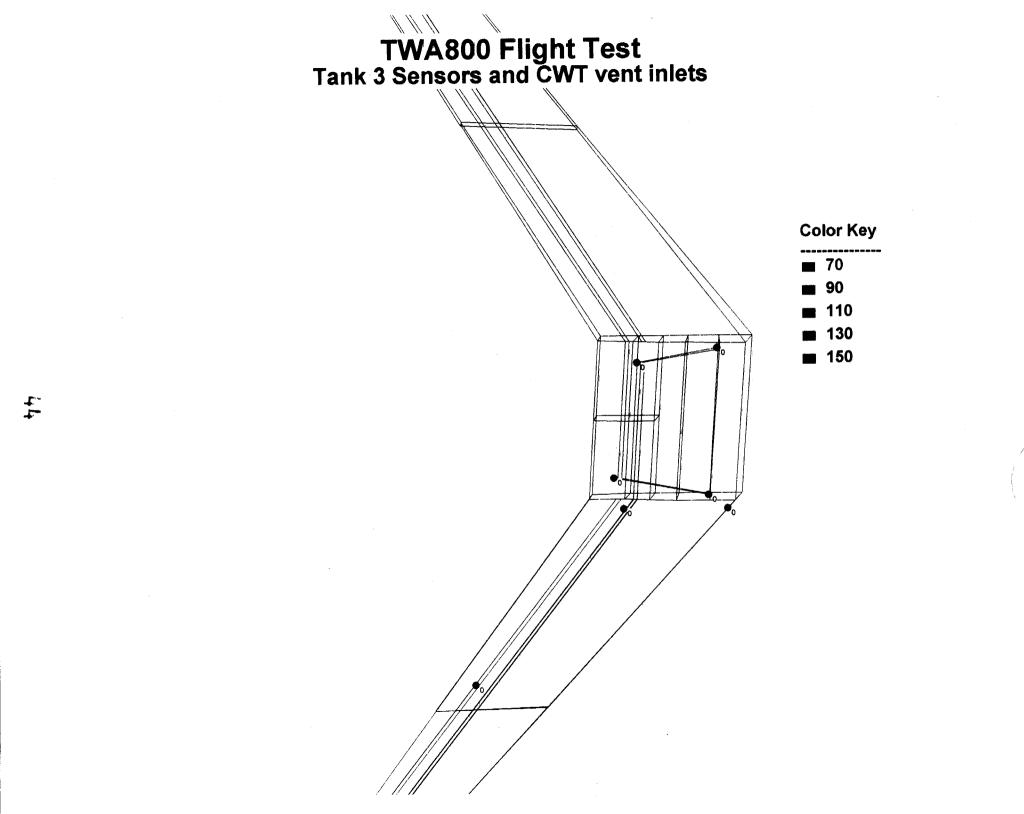






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| <u>Monday 7/14</u> | <u>Tuesday, 7/15</u> | Wednesday, 7/16 | Thursday, 7/17 | <u>Friday. 7/18</u> | Saturday, 7/19 | <u>Sunday, 7/20</u> |
|--|--|--|--|---|--|----------------------|
| AM: <u>Packs 2 & 3</u> <u>Continuous</u> (5.3) | AM: <u>Cruise</u> <u>Condition (All</u> <u>packs to FL 350)</u> (5.6) | AM: Packs 1 & 3 continuous. flight plan in replication of 2 & 3 continuous (Boeing Baseline) (5.9) | AM: <u>Tankered</u> Fuel (6000 lbs) (used Cruise condition as a baseline (5.8) | AM: Fuel added before taxi. (12000 lbs) Packs 2 & 3 AM: Finish pack bay modification | AM: Replace air conditioning pack seals. | AM: Refurbish |
| PM: <u>FBI/DoD</u> flight tests (5.5) | PM: Emulation of TWA Flight 800 (Packs 1&3) (5.7) | PM: Packs 1 & 2 and cross-feed from tank 3 (FAA crossfeed procedure)(5.4) | PM: Begin to modify for Boeing pack cooling test | PM: Modified Air Conditioning Pack Inlet (5.10) (Boeing Flight) | PM: : Modified Air Conditioning Pack Inlet with New Pack Components (Boeing Flight)(5.11) Begin Refurbish | PM: Refurbish |
| <u>Monday, 7/21</u> | <u>Tuesday, 7/22</u> | Wednesday, 7/23 | Thursday, 7/24 | <u>Friday, 7/25</u> | Saturday, 7/26 | <u>Sunday, 7/27</u> |
| AM: Refurbish | AM: | AM: | AM: | AM: | AM: | AM: |
| PM: Return to Standard A/W Certificate | PM: | PM: | PM: | PM: | PM: | PM: |

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