

PCN #1 added

J. Glenn
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PROJECT MERCURY (CCMTA)

LAUNCH COUNTDOWN

MERCURY MA-6

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|-------|-----------|----------|---------------|--|---------|
| T-C25 | 1.13 | 12-021 | CTC | CC/MC SET UP STONY FOR SIMULTANEOUS HF-UHF. | |
| | 1.13 | 12-022 | CTC | STONY 1. CONDUCT UHF VOICE CHECK WITH CC AND RESCUE 1 2. REPORT RESULTS ON CHANNEL 1 | |
| | 1.13 | 12-023 | CTC | CCM/B BOOSTER PERFORMS COMMAND CHECKS AT T-022. | |
| | 1.13 | 12-024 | CTC | FLT FIDO STAND BY FOR ASCC REQUEST FROM SRC AT T-022 | |

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|-------|-----------|----------|---------------|--|---------|
| T-020 | 1.13 | 12-025 | CTC | <p>CC RESPOND TO THE FOLLOWING</p> <p>ABORT HANDLE-LOCKED</p> <p>TOWER SEP CNT SWITCH FUSE NO. 2</p> <p>REMAINING LEFT PANEL SWITCH- FUSES- NO. 1</p> <p>AUTO RETRO JETT-ARM</p> <p>ASCS MODE SELECT - NORM</p> <p><i>By norm?</i> AUTO/RATE CCMD-AUTO</p> <p>RETRO DELAY - INSTANT</p> <p>RESCUE SWITCH - AUTO</p> <p>RETRO ATTITUDE - AUTO</p> <p>RETRACT SCOPE- AUTO</p> <p>LANDING BAG - OFF</p> <p>CONTROL FUEL - AUTO</p> <p>MANUAL</p> <p>RATE IND - MANUAL ON</p> <p>PERISCOPE MANUAL ENGAGE LEVER- DISENGAGED</p> <p>CABIN PRESSURE READING</p> <p>CABIN TEMP READING</p> <p>RELATIVE HUMIDITY READING 2</p> <p>COOLANT QUANTITY READING</p> <p>SUIT TEMP DEGREES</p> <p>SUIT PRESSURE PSI 1 PSI</p> <p>O2 FLOW-PRIMARY</p> <p>PRIM O2 QUANTITY 2</p> | |

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|------|--------------|----------|------------------|---|---------|
| | | 12-205 | | SECONDARY O2 QUANTITY * SUIT FAN-NORM CABIN FAN-NORM DC VOLTS - M AMMETER - NCRM ASCS AC BUS - NCRM STBY BTRY - ON ISOL BTRY - STBY INLET VALVE PWR-NCRM AUDIO BUS-NORM AC VOLTS - FANS FANS AC BUS - NCRM VDX PWR-OFF UHF DF - NCRM UHF SELECT-HI PWR TRANSMIT - UHF BEACON-CONTIN ALL MAIN PANEL SWITCH-FUSES -AD.1 EMER O2 HANDLE - NCRM RESTRAINT HARNESS SECURE BIC-MED CONNECTOR-SECURE VISOR SEAL HOSE - SECURE SUIT HOSES - SECURE MAP CASE - SECURE | |

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|-------|-----------|----------|---------------|--|---------|
| T-013 | 1.13 | 12-006 | CTC | CC/MC TRANSMIT OVER COMMAND CARRIER | |
| | 1.13 | 12-007 | CTC | CC REPORT COMMAND AUDIO RECEPTION | |
| | 1.13 | 12-008 | CTC | ALL STAND BY FOR POWER TRANSFER | |
| T-010 | 1.13 | 12-009 | CTC | TM/B 1. VERIFY STATION RECORDERS ON 2. PERFORM Z AND R CAL ON CHANNEL 2 AFTER POWER TRANSFER | |
| | 1.13 | 12-010 | CTC | AMR 1. ALL NASA RECORDERS ON EXCEPT HIGH SPEED DATA-RITE 2. CAPSULE IS GOING TO INTERNAL | |
| | 1.13 | 12-011 | CTC | CC ISOL BTRY TO NORM | |
| | 1.13 | 12-012 | CTC | ELP/B EXTERNAL POWER OFF | |
| | 1.13 | 12-013 | CTC | CC READ CURRENT AND VOLTAGES | |
| | 1. | | CC | CURRENT _____ AMPS M _____ V 1 _____ V 2 _____ V 3 _____ V STANDBY 1 _____ V STANDBY 2 _____ V ISOL _____ V PACK TO MAIN FANS _____ V ASCS _____ V | |
| | 1.13 | 12-014 | CTC | ALL STAND BY FOR STATUS REPORT AT 1-5 | |

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|-------|-----------|----------|---------------|--|-------------------|
| | 1.13 | 12-015 | CTC | AM/B 1. PER FORM 2 MINUTE PRIVATE STONY CHANNEL CHECK 2. REPORT COMPLETION ON CHANNEL 1 NOTE PROCEED UPON COMPLETION | BLOOD PRESS CHECK |
| | 1.13 | 12-016 | CTC | CC 1. MAKE 2-WAY VOICE CHECK WITH RESCUE 1 AND STONY 2. REPORT COMPLETION ON CHANNEL 1 | |
| | 1.13 | 12-017 | CTC | AMR VERIFY ALL CAPSULE RF IS GO | |
| T-007 | 1.13 | 12-018 | CTC | CC 1. MAKE 2 WAY VOICE CHECK WITH CC/MC 2. REPORT COMPLETION ON CHANNEL 1 | |
| | 1.13 | 12-019 | CTC | ALL 1. CANCEL ALL MIL EVENT LITES 2. ALL MIL LITES TO MOMENTARY | |
| | 1.13 | 12-020 | CTC | SEQ/B PERISCOPE MIL LITE TO LOCK MAYDAY MIL LITE TO LOCK CTC 1. SUIT TEMP CONTROL TO SCRIBE MARK 2. CABIN TEMP CONTROL TO SCRIBE MARK | |
| | 1.13 | 12-021 | CTC | ALL GIVE STATUS AND GREEN LITE ON REQUEST | |
| T-005 | 2.8 | 12-022 | CTC | AERC-MED _____ GC /GREEN/ ECS _____ GC /GREEN/ SEQUENCE _____ GC /GREEN/ ELECTRICAL _____ GC /GREEN/ ASCS _____ GC /GREEN/ RCS _____ GC /GREEN/ COMP _____ GC /GREEN/ T/M _____ GC /GREEN/ CC _____ GC FLT _____ GO | |

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|----------------------------|-----------|----------|---------------|---|---------|
| | | 12-022 | | NOTE | |
| | 1.8 | 12-023 | CTC | TC MOVES TO CHANNEL B CO LAUNCH CONTROL TO READY LOCK SHOULDER HARNESS REEL | |
| | 1.8 | 12-024 | CTC | PILOT READY LITE ON | |
| | 1.8 | 12-025 | AM/B | PILOT READY LITE ON | |
| | 1.8 | 12-026 | CTC | AM/B BOOSTER INTERLOCK TO GO | |
| T-004 MIN | 8.1 | 12-027 | CTC | TC MERCURY IS GO YOU HAVE A CAPSULE GREEN | |
| T-003 MIN 050 SEC | | 12-028 | TC | AZUSA | |
| | | | TC | GE GUIDANCE | |
| | | | TC | MERCURY CAPSULE | |
| | 8.1 | | CTC | GO/NO GO ----- | |
| | | | | NOTE | |
| | | | | IF HOLD IS CALLED, BOOSTER CYCLIS TO 3.30. ROLL CALL AT THIS POINT IS AS FOLLOWS. . . . | |
| | | | | PROPULSION AUTOPILOT AND HYDRAULICS GUIDANCE RF SYSTEM LANDLINE INSTRUMENTATION TELEMETRY MERCURY | |
| | 1.8 | 12-029 | CTC | ECS/B STOP FRECN | |

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| T-CC3 MIN C3C SEC | 1.8 | 12-030 | CTC | <p>CC</p> <p>REPORT THE FOLLOWING INDICATOR READINGS ON UHF AND MCPIS</p> <p>CONTROL FUEL - AUTO _____</p> <p style="padding-left: 100px;">MANUAL _____</p> <p>CABIN PRESSURE _____</p> <p>CABIN AIR TEMP _____</p> <p>RELATIVE HUMIDITY _____</p> <p>COOLANT QUANTITY _____</p> <p>SUIT TEMP _____</p> <p>SUIT PRESSURE _____</p> <p>C2 GUN PRIMARY _____</p> <p style="padding-left: 100px;">SECONDARY _____</p> <p>DC VOLTS</p> <p style="padding-left: 100px;">M _____</p> <p style="padding-left: 100px;">1 _____</p> <p style="padding-left: 100px;">2 _____</p> <p style="padding-left: 100px;">3 _____</p> <p style="padding-left: 80px;">SBY 1 _____</p> <p style="padding-left: 80px;">SBY 2 _____</p> <p style="padding-left: 80px;">ISCL _____</p> <p>DC AMPS _____</p> <p>ASCS BUS _____</p> <p>FANS BUS _____</p> | |
| T-CC2 | 1.8 | 12-031 | CTC | <p>TM/B</p> <p>1. CAMERAS AND TAPES ON</p> <p>2. PERFORM CALIBRATION ON CHANNEL 2</p> | |
| | 1.8 | 12-032 | CTC | <p>CC</p> <p>VERIFY CAMERAS RUNNING</p> <p>VERIFY TAPE RECORDER RUNNING</p> | |

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|-------|-----------|----------|---------------|--|---------|
| | 1.8 | 12-233 | CTC | CC STONY COMMUNICATIONS SHALL BE OPEN LOOP | |
| | 1.8 | 12-234 | CTC | AMR TURN ON HIGH SPEED DATA-RATE RECORDER AT T-50 SECONDS. | AMR |
| T-001 | 8. | 12-235 | TC | MISSILE POWER | |
| NIA | 8. | | TC | RF SYSTEMS | |
| C15 | 8. | | TC | PROPULSION | |
| SEC | 8. | | TC | AMR TLM | |
| | 8. | | TC | TELEMETERING QUALITY | |
| | 8. | | TC | MERCURY CAPSULE | |
| | 8.1 | | CTC | GO/NO GO ----- | |
| | | 12-236 | CTC | CC START EARTH PATH INDICATOR AT T-048 SECONDS | |
| | 1.8 | 12-237 | CTC | ALL SIDE BENE CHANNEL 8 TO MONITOR BOOSTER COUNT. | |

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| T-C40 SEC | 8 | 12-238 | TC | PRESSURIZATION | |
| | 8 | | TC | LCX TANKING | |
| | 8 | | TC | WATER SYSTEMS | |
| | 8 | | | RANGE OPERATIONS | |
| | 8 | | | MERCURY CAPSULE | |
| | 8.1 | | CTC | GO/NO GO ----- | |
| T-C35 | | 12-239 | | UMBILICAL EJECTION. | |
| | | | | NOTE | |
| | | | | WHEN THE PERISCOPE RETRACT LAMP LIGHTS. THE CTC REPORTS AS FOLLOWS. | |
| | 8.1 | 12-240 | CTC | TC MERCURY IS GO ----- | |
| | | 12-241 | SEC/B | PERISCOPE RETRACT LAMP TO MOMENTARY | |
| T-C18 SEC | 8 | 12-242 | TC | ENGINE START ----- | |
| T-CC2 SEC | 8 | 12-243 | TC | MAIN ENGINE COMPLETE ----- | |
| T-CC0 SEC | 8 | 12-244 | TC | RELEASE ----- | |

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| | | 13-000 | | POST LAUNCH ACTIVITIES | |
| 1.8 | | 13-001 | CTC | ELP/8 TURN OFF TRANSFER ROOM MASTER POWER TURN OFF BLOCKHOUSE POWER | |
| 4.7 | | 13-002 | CTC | ALL TURN OFF ALL EQUIPMENT. PULL OUT ALL EQUIPMENT CIRCUIT BREAKERS. | |