KERBIN ASCENT PROCEDURES

PRE-LAUNCH

 SET UP AUTO PILOT

   SET ROLL - -180
   SET PITCH - 87
   SET YAW - 90

   ROTATIONAL MODE - LOCK

   SET PITCH - 80

   PITCH PROGRAM RATE - 0.1

 SET UP ACTION GROUPS AND RCS

   AG 1 - DISABLED (Entry RCS)
   AG 2 - ENABLED (Service Module RCS)
   AG 3 - DISABLED (Landing Gear)
   AG 4 - ENABLED (LV RCS)
   AG 5 - ENABLED (CM Lights)
   AG 6 - DISABLED (Nose Decouple)
   AG 7 - DISABLED (Chute Arm)
   AG 8 - DISABLED (Solar Panels)

   RCS - ENABLED

 THROTTLE UP

   THROTTLE - 100%

<u>LAUNCH</u>

mm:ss
-00:03   STAGE - STAGE

+00:00   STAGE - STAGE

<u>STAGE 1</u>

+00:10   PITCH PROGRAM - RUN

+01:30   PITCH PROGRAM ENABLED ind - OFF (Pitch Program
Complete)
         ROTATIONAL MODE - LOCK

         SET PITCH - 0
         PITCH PROGRAM RATE - 0.3

~02:00   FUEL LOW ind - ON
         LOX LOW ind - ON

~02:10   ENGINE CUT-OFF
         FUEL LOW ind - OFF
mm:ss
         LOX LOW ind - OFF

         STAGE - STAGE

~02:11   STAGE - STAGE

<u>STAGE 2</u>

~02:15   PITCH PROGRAM - RUN

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~06:00    (On mark from MCC)
          ROTATIONAL MODE - AUTO

~07:00    FUEL LOW ind - ON
          LOX LOW ind - ON

~07:10    ENGINE CUT-OFF
          FUEL LOW ind - OFF
          LOX LOW ind - OFF

          STAGE - STAGE

~07:11    STAGE - STAGE
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STAGE 3

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~08:30    (On mark from MCC)
          THROTTLE - 0%
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ORBIT

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          ROTATIONAL MODE - AUTO

          AG 2 - DISABLE
          AG 4 - DISABLE
          AG 8 - ENABLE
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