

MAX. ALT. APPROX. 102.8 N.M.

APOGEE

ATTITUDE FOR RETROFIRING

AT 04:46 RETROFIRE SEQUENCE IS INITIATED

1 MINUTE AFTER RETROFIRE START
RETROPACKAGE IS JETTISONED

NORMAL ORBITING ATTITUDE

RETROFIRE
5 SEC INTERVALS

30 SEC AFTER RETRO PACKAGE
JETTISON, PERISCOPE

ATTITUDE
BY ASCENDING
WISE

ANGLE-OF-ATTACK.
STEADY ROLL OF
SECOND

5 SEC

02:33

02:23 CUTOFF

.05g
07:48

MAX TANG
LOAD FACT
08:23

PARACHUTES (DROGUE
MAIN) EXTENDED

Since w_1

expression may b

written in

$$A \left\{ e^{-\frac{2C_D}{C_L} \sqrt{c}} \log_e \frac{w_1 d}{w_1} \right.$$

or

$$\left. \left(e^{-\frac{2C_D}{C_L} \sqrt{c}} \right) \log_e \frac{2C_D}{C_L} \sqrt{c} \right.$$



Katherine Johnson

Mathematician and first black woman to work as a scientist for NASA. She calculated orbital mechanics for many spaceflight projects.