

	STAGE 1	STAGE 2	STAGE 3	Time Incr.		STAGE 1	STAGE 2	STAGE 3	09/09/10 2:10:54 PM
Thrust	500	0	0	0.01	Burnout Time	70.0 sec			LAUNCH
Payload Mass				Print Incr.	Burnout Velocity	4136 ft/sec			
Propellant mass	140	0	0	1.00	Burnout Altitude	111213 ft ( 21.1 mi)			ABORT!
Empty mass	90	0	0	<input type="checkbox"/> Real Time	Burnout Range	0 ( 0.0 mi)			
Total Mass	230	0	0	G = 32.0495	Burnout Accel	5.3			PRINT SCREEN
ISP	250	300	300		Burnout Drag	21.8			
Cd	0.3	0.7	0.7		Max Altitude	378704 ( 71.7 mi)			PRINT FLIGHT
Diameter	8.00	1.10	1.00	LAUNCH	Time to Max Alt.	201.2			
Burn Time	70.0			Lat 32.00	Max Range				
Mass Ratio	2.56			Incl 32.00	Time to Max Rng				
Start Pitch	0.0	Coast Time 0			D Loss (ft/sec)	1145 ft/sec			
Pitch To Angle	90.0	Perigee 0.0			G Loss (ft/sec)	2243 ft/sec			
Final Pitch	0.0	Est Time 0.0							
Shroud Wt	0								
a									
MAX G	0.0								
Drag File (2500)	C:\Program Files\NASAero\Chicora21-2Tubes5R8dia.CSV								

Init Rec Record 23 Records Last Update Copy To:  
 DAT FILE: HH1.DAT 19 09/09/10 2:10:54 PM 23

NOTES: CHICORA Single stage, space capable  
 First flight demo: TVC, guidance, comm, tracking

Time	Vf	Vz	Vx	PA	Height (Miles)	Range (Miles)	G	F	Mo	Drag	Patm	Data
0.0	0	0	0	90.0	0	0.0	2.2	500	230	0	14.7	0.00269999962 LIFTOFF
25.4	1050	1050	0	90.0	13166	2.5	0	0.0	2.1	500	179	123 8.7 0.00159455473 MACH 1
31.4	1245	1245	0	90.0	19957	3.8	0	0.0	2.1	500	167	151 6.6 0.00121526083 MAXQ 436psf
70.0	4136	4136	0	90.0	111213	21.1	0	0.0	5.3	0	90	22 0.2 0.00003157776 BURNOUT
144.0	1772	1772	0	90.0	328007	62.1	0	0.0	-0.0	0	90	0 0.0 0.000000000541 SPACE!
201.2	0	0	0	90.0	378704	71.7	1	0.0	-0.0	0	90	0 0.0 0.000000000071 APOGEE