Name	Value
a	347.8882
A	3.1416
a_mr	1
a_q	1
AR	12
aux_power	5000
batt_reserve	0.8500
BL	0.0242
BL2	0.0292
c	0.0833
C_P	1.2304e-04
C_T	0.0023
Cd	0.0110
cl_alpha	5.7300
Cl_req	0.6926
collective	24.2691
count_k	1380
CP	9.8197e-05
CP2	1.2304e-04
Cpi	0.0018
Cpp	8.7535e-05
Cruise_RPM	1048
Ct	0.0173
CT	0.0019
CT2	0.0023
e_section_10	5.0489e+06
e_section_11	4.7956e+07
e_section_12	0
e_section_13	1.4624e+06
e_section_14	1.1834e+07
e_section_15	1.5355e+06
e_section_2	1.4624e+06
e_section_3	1.4073e+07

Name	Value
e_section_4	1.4624e+06
e_section_5	5.0489e+06
e_section_6	4.7956e+07
e_section_7	0
e_section_8	4.3871e+06
e_section_9	3.5935e+08
electrical_loss	1.0200
endurance	6.3170e+03
energy_battery	1.1358e+04
energy_hydro...	1.5256e+05
energy_init	4.6682e+08
energy_init_b...	3.4754e+07
energy_MJ_hy...	549.2014
err	485.7859
err2	5.0456
err_1	-678.8176
err_2	5.0456
error	0.1247
eta	0.5357
Fcb	2
Fcp	1
filename	'T_80_00.matT_4...
FM	0.6095
FM2	0.6429
found	1
found2	0
g	9.8100
gama	1.4000
gibrish	0
GW	*1x11 double*
h	300
HP_mr	94.6623
i	1

Name	Value
Imax_fr	211.5684
Iramp	1
j	1
k	1
k_max	1379
k_max2	1047
k_mid	1379
k_mid2	1048
k_min	1380
k_min2	1048
k_star	0.3500
kg_to_lb	2.2046
kmrc	26
kt	1.3000
Kv	34.7222
L	2.6667
L_by_D	8
Lf	12.7467
m	10
m_avionics	11.8882
m_battery	32.4500
m_hydrogen	63.5650
m_instruments	2.5308
m_rotor_group	27.3061
m_to_ft	3.2808
m_transmission	1.6000
m_wing	38.8566
manti_ice	0
mcontrols	0.4077
mcontrols_po...	0.8990
mech_power	1.1272e+05
mech_power2	752.6200
melec	4.7553

Name	Value
mempty	237.8883
mesc_fr	0.3563
mfixed	14.4190
mfuel_cell	228.0150
mfuel_system	132
mfuselage	144.0359
mfuselage_po...	105.8698
mgross	650.9034
mhub	0
mhub_pounds	11.6297
mhydrogen_f...	195.5650
mlg	6.5078
mmotor	1.6940
motor_efficie...	0.8500
mpayload	185
mrotor	1.3629
mrotor_pounds	3.0054
mu	1.0900
n	11
N_rotors	8
N_rotors_cruise	8
Nb	3
Ngust	4.0275
Ngust_ult	6.0413
Nmanu	3.9274
Nmanu_ult	6.4802
nmgb	1
No_of_battery	2
Nominal_volt	43.2000
nondp	1.1609e+08
nondp2	4.9490e+06
nondt	3.6953e+05
nondt2	4.5095e+04

Name	Value
nult	2.5000
Nult	6.4802
O1	1.4624e+05
O2	650.9034
O3	1.5256e+05
O4	228.0150
O5	23.7900
O6	0.0486
O7	273.0867
O8	1.4124e+05
omega	314.1593
omega2	109.7463
P	9.7944e+04
P0	101325
P_cruise_endu...	9.3581e+03
P_rand	448.5989
p_section_3	1.5152e+05
Pclimb	1.8940e+04
Pcruise	1.0990e+04
Pdescent	1.0478e+04
power_1	1.1272e+05
power_2	752.6200
power_5	1.2622e+05
Power_camera	25
power_cruise	8.7919e+04
power_cruise_...	752.6200
power_endu	7.4865e+04
power_h	1.4124e+05
power_mech	1.4124e+05
Power_servo	100
Power_total_h...	1.4624e+05
pre_weight	209
R	1

Name	Value
rho	1.1918
rho0	1.2250
rpm	3000
RPM	3000
S_battery	12
save_file	0
save_variable	1
sed_battery	350
sed_hydrogen	16000
Sf	30
solidity	0.0637
solution_check	1
T	301.2101
T0	303.1600
T9	4800
T9_str	'80_00'
tc_ratio	0.2500
theta0	*1x4001 double*
theta_1	3.9936
theta_2	4.5244
theta_h	0.4152
thetatw	-20
thrust_1	5.6988e+03
thrust_2	104.6961
Thrust_cruise	798.0173
thrust_h	6.8634e+03
thrust_total	6.8634e+03
time_section_...	40
time_section_...	545.4545
time_section_...	31.5789
time_section_...	10
time_section_...	120
time_section_...	15

Name	Value
time_section_2	15
time_section_3	78.9474
time_section_4	10
time_section_5	40
time_section_6	545.4545
time_section_7	35.5263
time_section_8	30
torque_1	44.8508
torque_2	6.8578
torque_h	56.1961
trans_loss	1.0300
V1	1
V2	314.1593
V3	6.8634e+03
V4	485.7859
V5	56.1961
V6	3000
V7	0.9030
V_cruise	55
V_cruise_climb	6
V_endu_cruise	46.7500
Vc	0.7600
Vd	0.5000
Vendu_str	'46_75'
Vtip	314.1593
wing_AR	8
wing_b	7
wing_Cl_design	0.5000
wing_root_ch...	0.5059
wing_S	3.5416
wing_taper_ra...	1
z_mr	1