

Results

Parameters	2012	2015A	2015B	low state
z	0.361	0.361	0.361	0.361
Γ	20	20	20	20
α_{jet}	1	1	1	1
δ_{D}	20	20	20	20
L_{disk}	6.70E+45	6.70E+45	6.70E+45	6.70E+45
x_{idt}	0.6	0.6	0.6	0.6
R_{dt}	6.47E+18	6.47E+18	6.47E+18	6.47E+18
T_{dt}	1000	1000	1000	1000
r (in cm)	4.00E+17	6.00E+17	6.00E+17	6.00E+17
p1	1.8	1.8	1.8	1.45
p2	3.85	3.5	3.5	3
k_e	0.02	0.1	0.09	0.08
γ_b	900	800	500	300
γ_{min}	1	1	1	1
γ_{max}	3.00E+04	4.00E+04	3.00E+04	3.00E+04

Results : EED Parameters

Initial Fit Statistic	1189.49	31538.2	2404.57	1555.21
Final fit Statistic	796.163	483.587	203.437	101.852
Data points	29	20	41	41
DOF	25	16	37	37
Qvalue	7.79E-152	9.66E-93	7.23E-25	5.70E-08
Reduced Statistic	31.8465	30.2242	5.49831	2.75275
Change in statistic	393.33	31054.6	2201.13	1453.36
ec.log ₁₀ _k_e	-1.07982	2.3528	-2.1929	0.398664
ec.p1	1.66742	1.62608	2.01073	1.59735
ec.p2	3.32659	2.56147	3.17234	3.33967
ec.log10_gamma_b	2.64986	1	3.07737	2.04698

Results : EED parameters+blob

Initial Fit Statistic	796.163	483.587	203.437	101.852
Final fit Statistic	633.527	442.228	202.705	76.5128
Data points	29	20	41	41
DOF	23	15	36	36
Qvalue	4.25E-119	8.96E-85	4.07E-25	9.58E-05
Reduced Statistic	27.5447	29.4819	5.6307	2.12536
Change in statistic	162.635	41.3581	0.732244	25.339
ec.log ₁₀ _k_e	-0.275243	-1.1293	-2.11491	0.665791
ec.p1	-1.74539	1.70095	2.00432	1.45492
ec.p2	3.32385	3.18126	3.17232	3.25998
ec.log10_gamma_b	2.45614	2.79887	3.04054	1.91989
ec.log10_B	-0.555815	-0.727322	-0.437192	-0.262333

Model Parameters

R_b (in cm)	2.38E+16	2.38E+16	2.38E+16	2.38E+16
V_b (in cm^{-3})	5.64E+49	5.64E+49	5.64E+49	5.64E+49
z	0.36	0.36	0.36	0.36
d_L	6.13E+27	6.13E+27	6.13E+27	6.13E+27
δ_D	25	25	25	25
Γ	20	20	20	20
β	9.99E-01	9.99E-01	9.99E-01	9.99E-01
θ_s (in degrees)	2.22	2.22	2.22	2.22
B (in Gauss)	2.78E-01	1.87E-01	3.65E-01	5.47E-01
x_i	1	1	1	1

Electron Spectrum :Broken Power Law

k_e (in cm^{-3})	5.31E-01	7.43E-02	7.68E-03	4.63E+01
p_1	-1.75	1.7	2	1.45
p_2	3.32	3.18	3.17	3.26
γ_b	286	629	110	832
γ_{\min}	1	1	1	1
γ_{\max}	3.00E+04	4.00E+04	3.00E+04	3.00E+04
Power in jet particles (in ergs/s)	1.54E+45	3.79E+45	2.56E+45	2.75E+45
Power in Magnetic Field(in ergs/s)	1.31E+44	5.95E+43	2.26E+44	5.06E+44