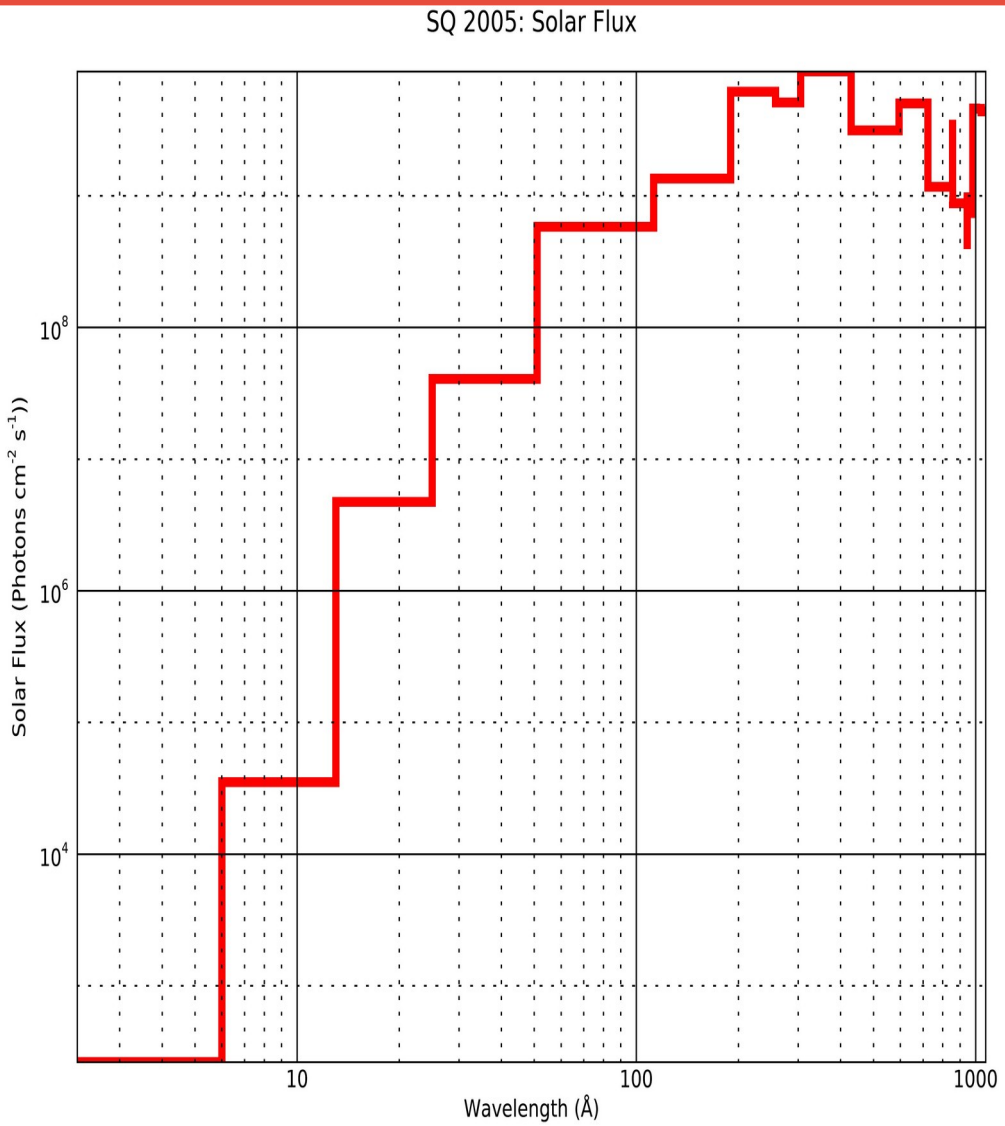
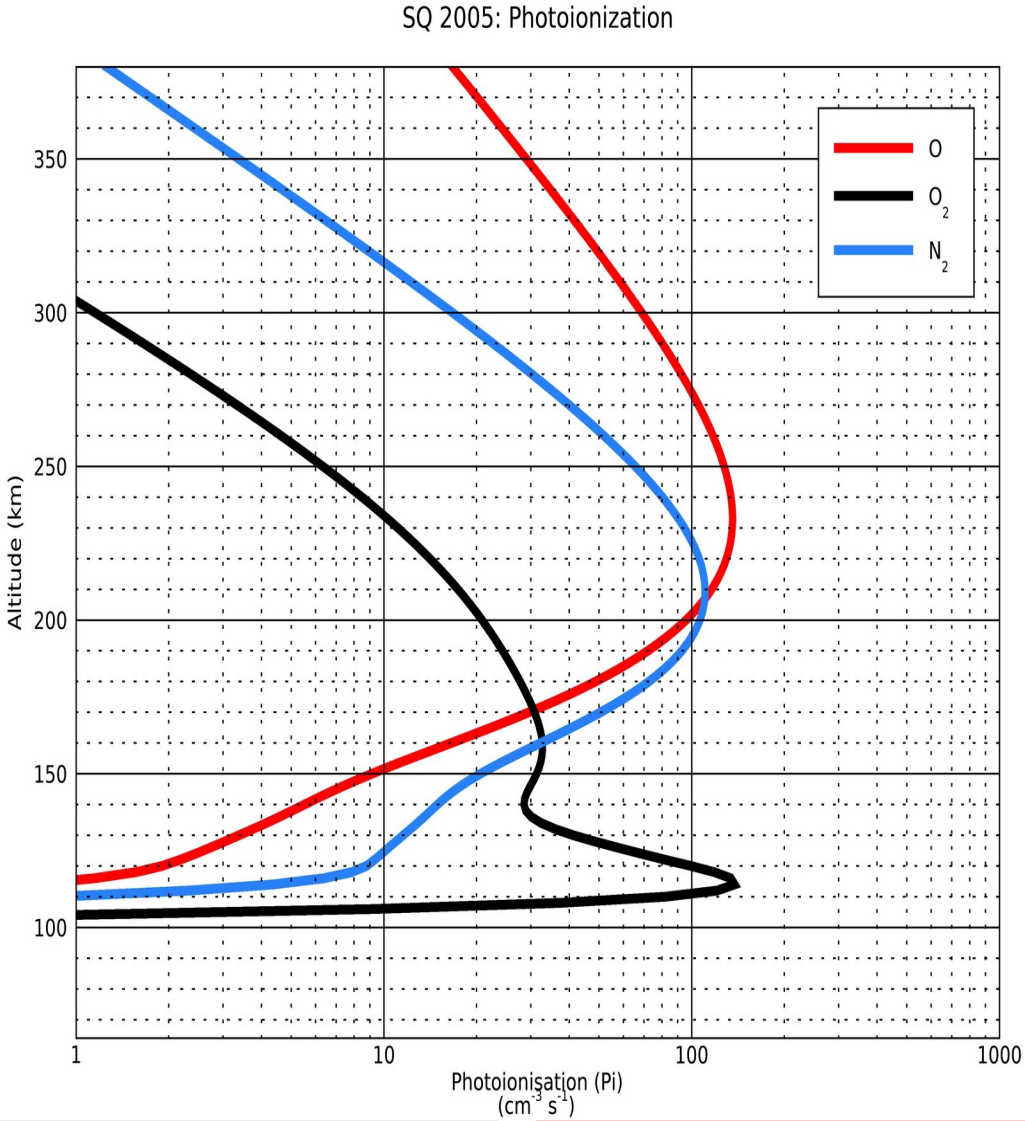
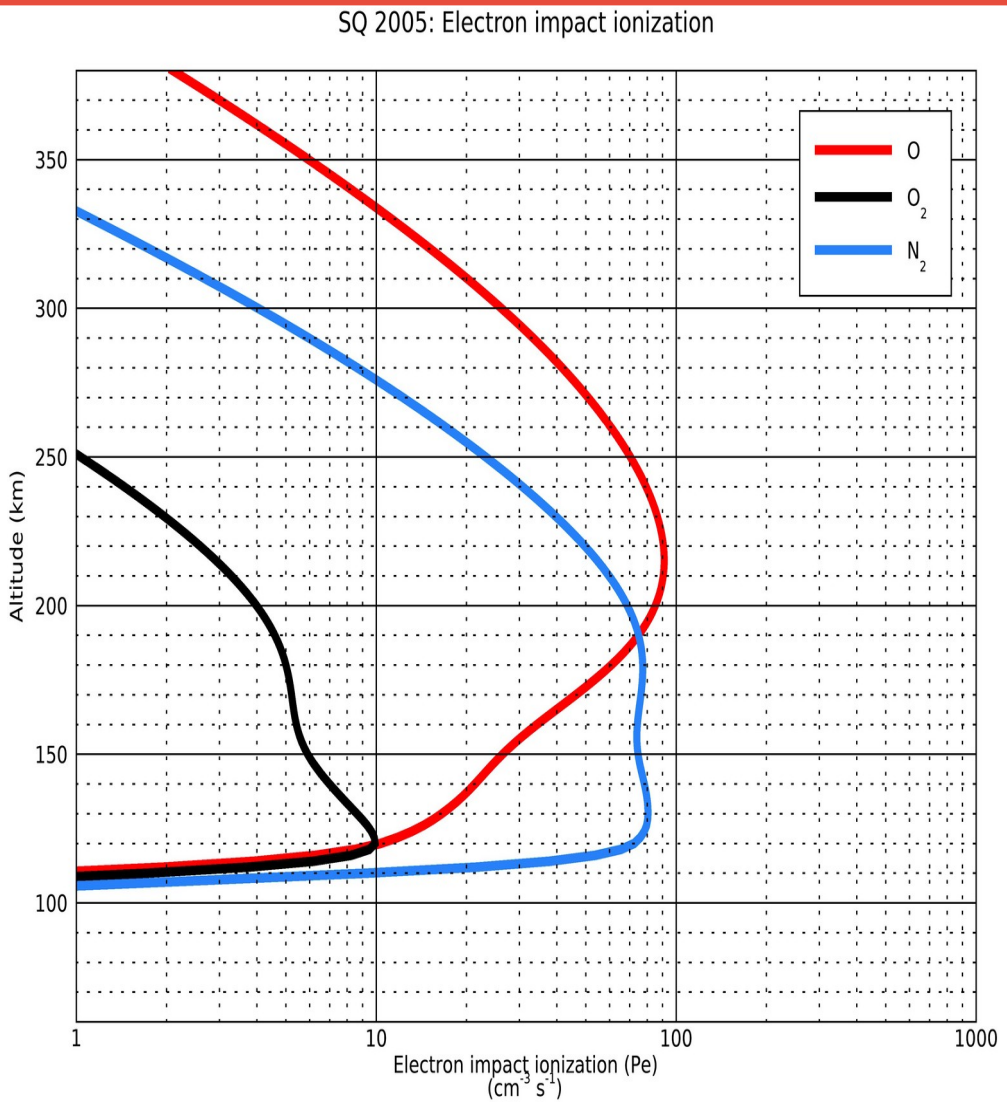
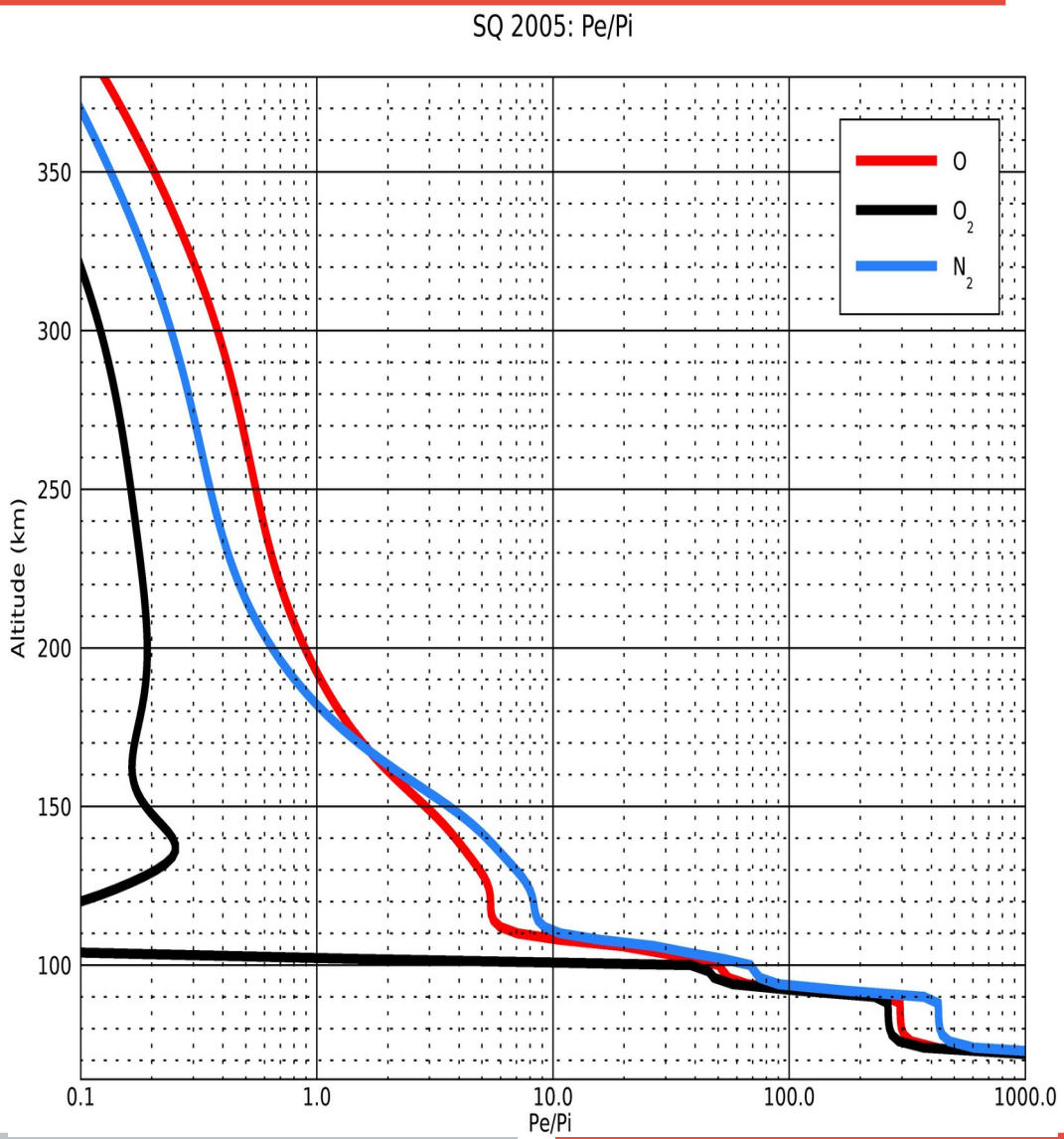
Electron Density and Electron Temperature Comparisons Results





Electron Density and Electron Temperature Comparisons Results





Comparisons of the pe/pi ratios of the IDL glow model, IDL glow model with IRI interface and SQ'05 paper results

O data					
wave_lo	wave_hi	Model I (Org) pe/pi	SQ05 pe/pi (II)	Height	Model I/Model II
0.5	4	287.911	217.12	78	1.32604
4	8	50.4087	50.593	90	0.996356
8	18	24.6908	23.562	102	1.04791
18	32	73.4398	71.378	114	1.02889
32	70	5.07072	4.995	108	1.01516
70	155	2.26706	2.192	120	1.03424
155	224	1.15906	1.092	136	1.06141
224	290	0.78414	0.694	148	1.12989
290	320	0.506374	0.418	154	1.21142
320	540	0.155375	0.127	164	1.22343
540	650	0	0	170	0

Comparisons of the pe/pi ratios of the IDL glow model, IDL glow model with IRI interface and SQ'05 paper results

O2 data					
wave_lo	wave_hi	Model I Org) pe/pi	SQ05 pe/pi (II)	Height (Tau=1)	Model I/Model II
0.5	4	255.866	210.83	78	1.21361
4	8	43.7843	50.156	90	0.872962
8	18	21.4887	20.29	102	1.05908
18	32	63.7336	59.953	114	1.06306
32	70	4.28988	4.271	108	1.00442
70	155	1.6802	1.613	120	1.04166
155	224	0.621613	0.579	136	1.0736
224	290	0.277783	0.242	148	1.14786
290	320	0.135069	0.105	154	1.28637
320	540	0.0310659	0.024	164	1.29441
540	650	0	0	170	0

Comparisons of the pe/pi ratios of the IDL glow model, IDL glow model with IRI interface and SQ'05 paper results

N2 data

wave_lo	wave_hi	Model I (Org) pe/pi	SQ05 pe/pi (II)	Height (Tau =1)	Model I/Model II
0.5	4	417.762	342.66	78	1.21917
4	8	68.4776	80.88	90	0.846657
8	18	32.1722	32.126	102	1.00144
18	32	11.2645	10.834	114	1.03973
32	70	7.86467	7.789	108	1.00971
70	155	2.95828	2.859	120	1.03473
155	224	0.995094	0.933	136	1.06655
224	290	0.409681	0.361	148	1.13485
290	320	0.224721	0.178	154	1.26248
320	540	0.0398586	0.031	164	1.28576
540	650	0	0	170	0

Error plots between IDL glow and SQ'05 pe/pi ratios data