

TABLE 1
A Chronological Listing of Auroral Intensifications Observed on Clear Nights from PFRR, 1990-93

Date UT yymmdd	Onset UT hhmm	Onset MLT hhmm	Max H emission deg from N	Max 557.7nm emission deg fromN	Mag Lat H maximum deg	Mag Lat 557.7 nm maximum deg	Hbeta intensity maximum Rayleighs	557.7 nm intensity maximum kR
900123	10:30	23:30	140	60	64.0	65.6	300	50
900129	6:02	19:00	145	20	63.8	67.6	250	10
900131	8:00	21:20	150	60	63.5	65.7	300	20
900131	10:05	23:00	156	150	63.0	63.5	300	50
900131	12:25	0:50	150	145	63.5	63.8	300	50
900201	11:45	0:30	140	120	64.0	64.7	250	30
900220	9:05	22:10	165	160	61.9	62.6		
900221	9:42	22:45	138	108	64.2	64.9	300	35
900222	11:02	0:00	144	125	63.8	64.6	200	45
900223	7:20	20:20	155	135	63.1	64.3	1000	50
900228	9:13	22:30	140	114	64.0	64.8		
900221	6:45	19:30	170	165	61.0	61.9	220	50
910208	8:11	21:00	130	90	64.5	65.1	200	40
910211	10:05	23:00	150	35	63.5	66.6		
910219	12:15	0:50	70	60	65.4	65.6		
920302	10:30	23:15	140	140	64.0	64.0		
920307	9:13	22:00	65	42	65.5	66.2	150	20
920309	9:23	22:10	120	90	64.7	65.1		
920322	9:05	22:00	120	90	64.7	65.1	200	30
920326	10:13	22:55	145	130	63.8	64.5	200	20
921017	9:39	22:20	145	135	63.8	64.3	250	25
921018	10:53	23:30	115	100	64.8	65.0	150	45
921102	10:05	22:40	155	132	63.1	64.4		
921223	8:45	22:00	75	60	65.3	65.6		
921228	7:00	20:00	150	90	63.5	65.1		
930125	11:07	0:00	150	140	63.5	64.0		
930314	10:05	22:45	145	90	63.8	65.1		
930315	9:35	22:20	180	170	60.0	61.0		
930316	6:20	19:00	165	140	61.9	64.0		
930316	9:10	22:00	165	150	61.9	63.5		
930322	7:55	20:50	145	130	63.8	64.5		
930326	10:05	22:35	115	90	64.8	65.1		
930329	7:31	20:20	165	155	61.9	63.1		
Average			139.4	109.7	63.6	64.6	285	36