

BAA Radio Group VLF summary.

2010 OCTOBER.

DAY	Xray class	Observers	John Cook (22.1kHz)			Roberto Battaiola (21.75kHz)			Nigel Curtis			Bob Middlefell			Mark Edwards (19.6kHz)				
			START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)		
			Tuned radio frequency receiver, 0.58m frame aerial.			Modified AAVSO receiver.			Gyrator receiver, shielded loop aerial.			Tuned radio frequency receiver, 0.5m frame aerial.			Spectrum Lab / PC 2m loop aerial.				
2	B5.0	1	16:33	16:37	16:48														
4	C2.3	3	08:57	09:02	?											16:33	16:37	16:46	1-
17	C1.7	2	11:32	11:40	11:52											08:56	09:05	09:18	1
18	C1.2	2																	

DAY	Xray class	Observers	Colin Clements (23.4kHz)			Karen Holland			Mike King (20.9kHz)			John Wardle			Peter King (18.3kHz)				
			START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)		
			AAVSO receiver, 0.76m screened loop aerial.			Tuned radio frequency receiver, 0.58m frame aerial.			AAVSO receiver. Tuned loop aerial.			Gyrator MKII receiver, 1m loop aerial.			Own designed receiver, 1.4m loop aerial.				
2	B5.0																		
4	C2.3																		
17	C1.7																		
18	C1.2																		

DAY	Xray class	Observers	Paul Hyde (22.1kHz)			Gordon Fiander			John Elliott			Martyn Kinder (18.2kHz)			Mark Horn (23.4kHz)				
			START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)	START	PEAK	END (UT)		
			Tuned radio frequency receiver, 0.96m frame aerial.			PC sound card.			Tuned radio frequency receiver, 0.5m frame aerial.			Tuned radio frequency receiver, 0.58m frame aerial.			Tuned radio frequency receiver, 0.58m frame aerial.				
2	B5.0																		
4	C2.3		16:33	16:37	16:49							08:32	08:54	09:04	1+				
17	C1.7																		
18	C1.2											11:32	11:41	11:57	1				

October started with a number of small B-class flares from region 1109, but was then blank on the 6th. There were further small B-class events over the 7th to 10th, while the 11th and 12th were again blank. Active region 1112 was then responsible for more small B-class events before producing an M2.9 flare at 19:13UT on the 16th. The C1.7 on the 17th was better timed for us, while a C1.6 at 17:39 was lost in the sunset. The C1.2 on the 18th was also from region 1112, which produced another 5 C-class flares over the next week, as well as numerous B-class events. Regions 1117 and 1119 continued to produce B and C-class flares, including a C5.7 at 04:31UT on the 31st. Martyn Kinder commented on the generally high noise levels in October, a problem that I also observed. Some of the smaller flares may well have generated SIDs, but they were impossible to identify above the noise.

VLF flare activity 2005/10.

