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BAA Radio Astronomy Section.

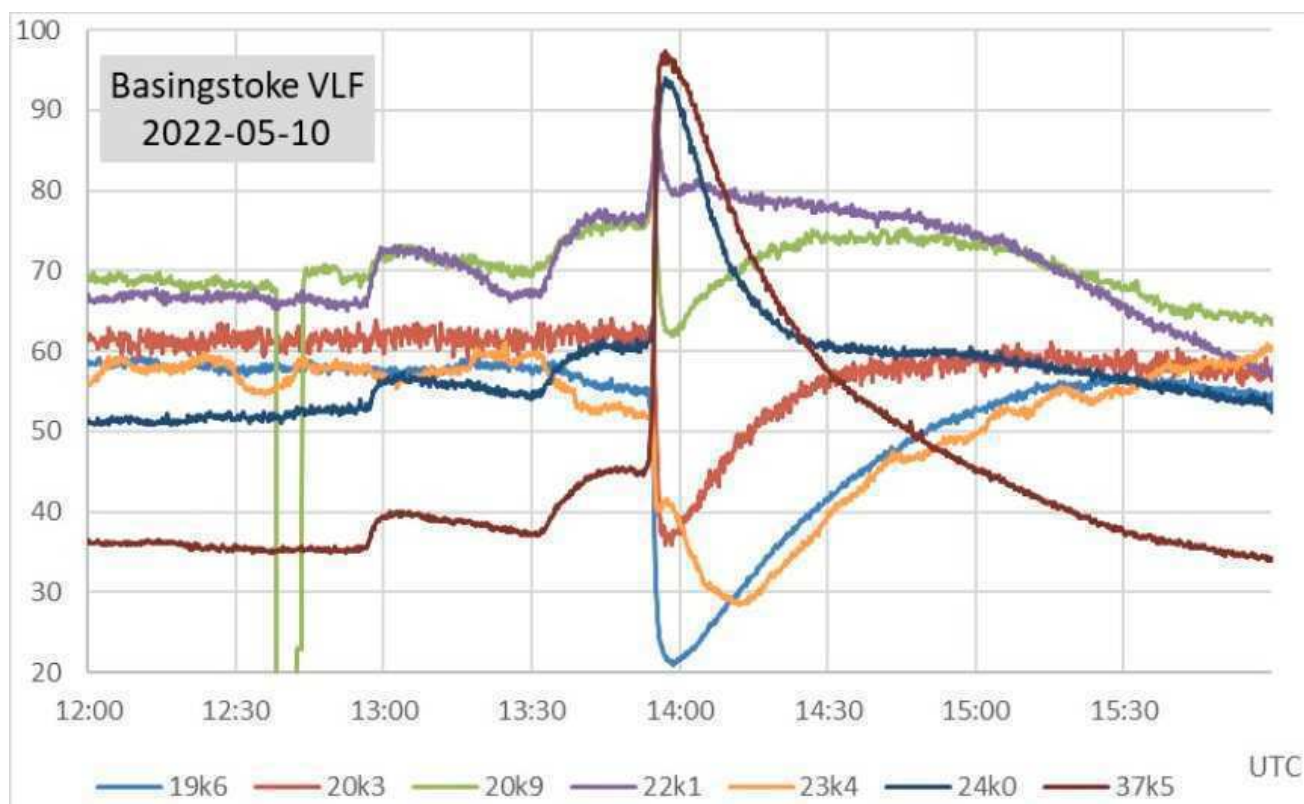
Director Paul Hearn.

RADIO SKY NEWS

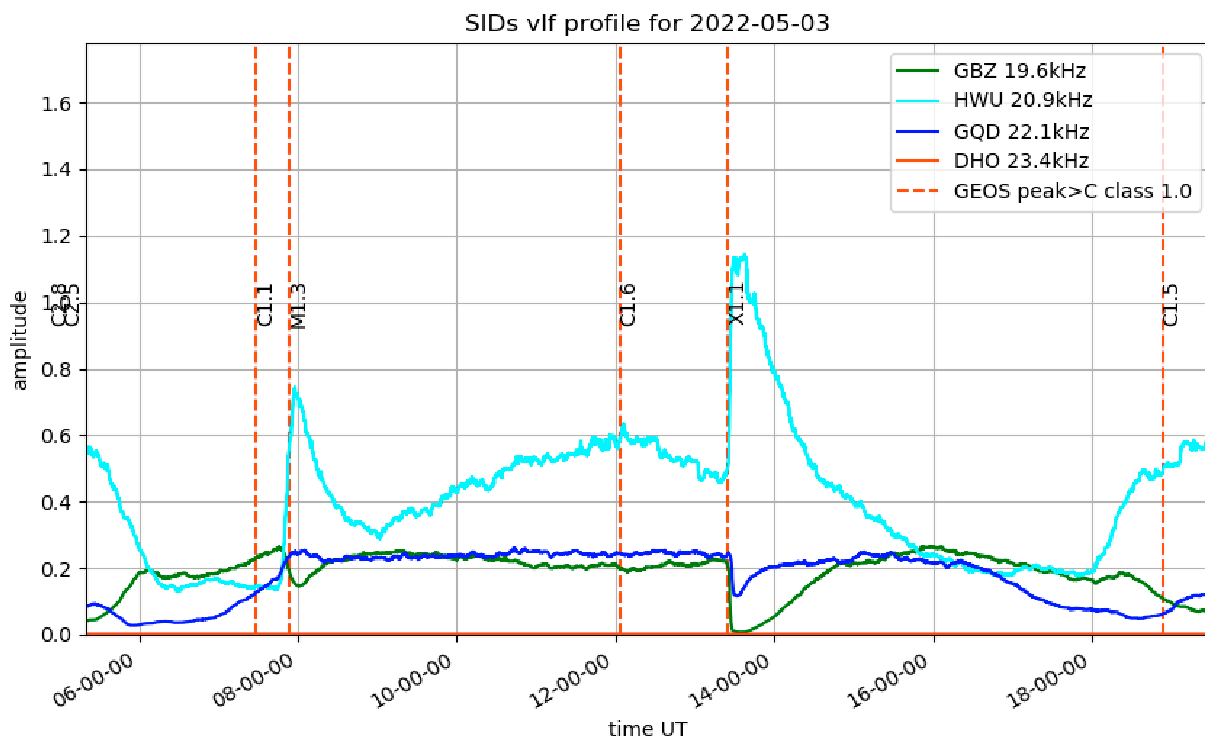
2022 MAY.

VLF SID OBSERVATIONS.

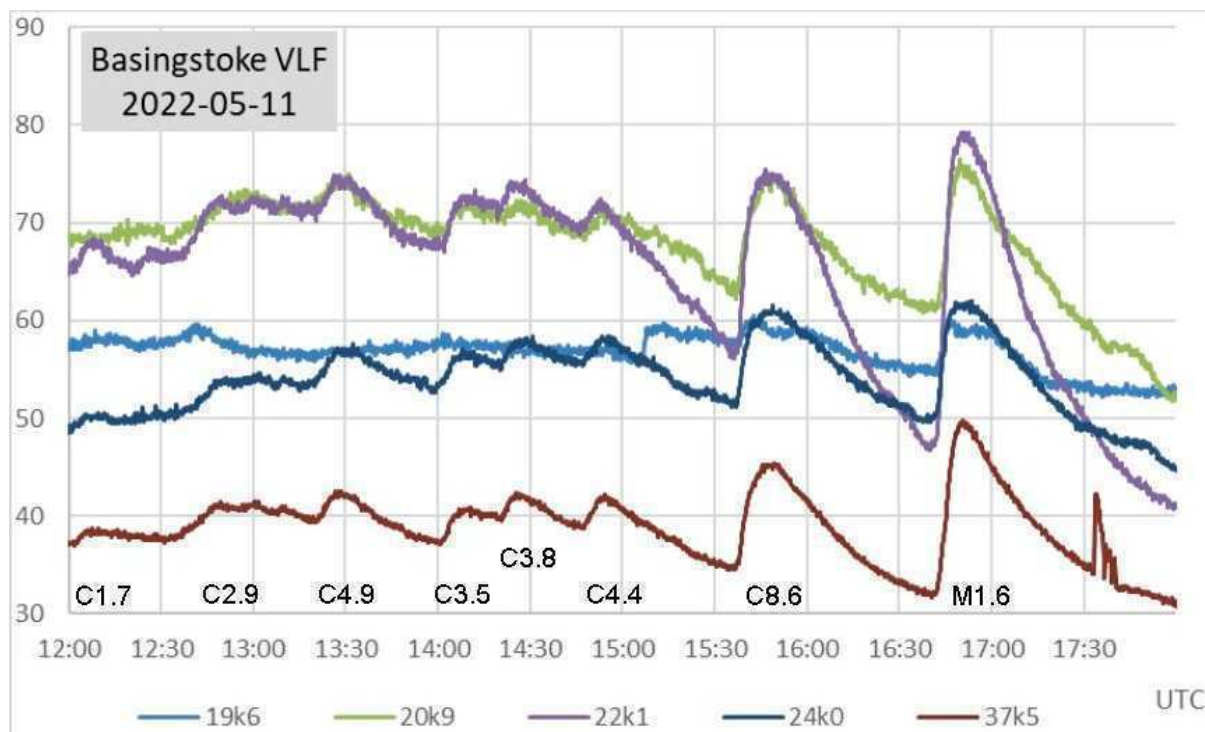
Flare activity in May has exceeded that in April, with 148 events listed in the timing table. There have been plenty of more energetic flares, with two of X-class recorded. Many of these events have been multiple-peaked, making analysis rather tricky. I have included the X-ray magnitudes where they are shown in the SWPC listings. The background X-ray flux has also been fairly high at times, making SIDs from some of the C-class flares hard to detect in the VLF recordings. There were two X-class flares well timed for us to record, both produced by active region AR13006. The second of these, on the 10th, was fairly complex to analyse. This recording by Paul Hyde shows the SIDs:



The main peak is clear at about 13:58UT, but is preceded by two smaller peaks, the second merging into the main peak. This matches well with the satellite X-ray plots that show a plateau at about the C5 level from 13:30, the X1.5 flare superimposed on top and decaying slowly afterwards.

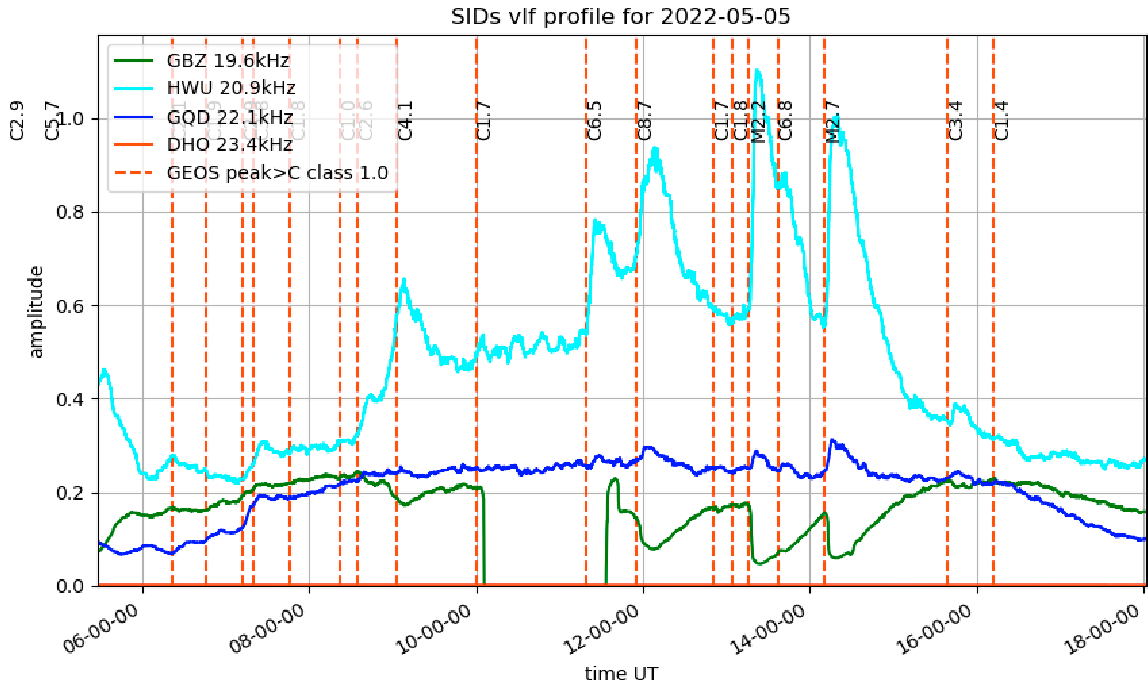


This recording by Mark Prescott shows the X1.1 flare on the 3rd. All of our SID timings show a peak around 13:30UT, in agreement with the charts of X-ray data found on the internet. The SWPC bulletin lists the flare as peaking at 13:08, ending at 13:13, which is rather a puzzle.

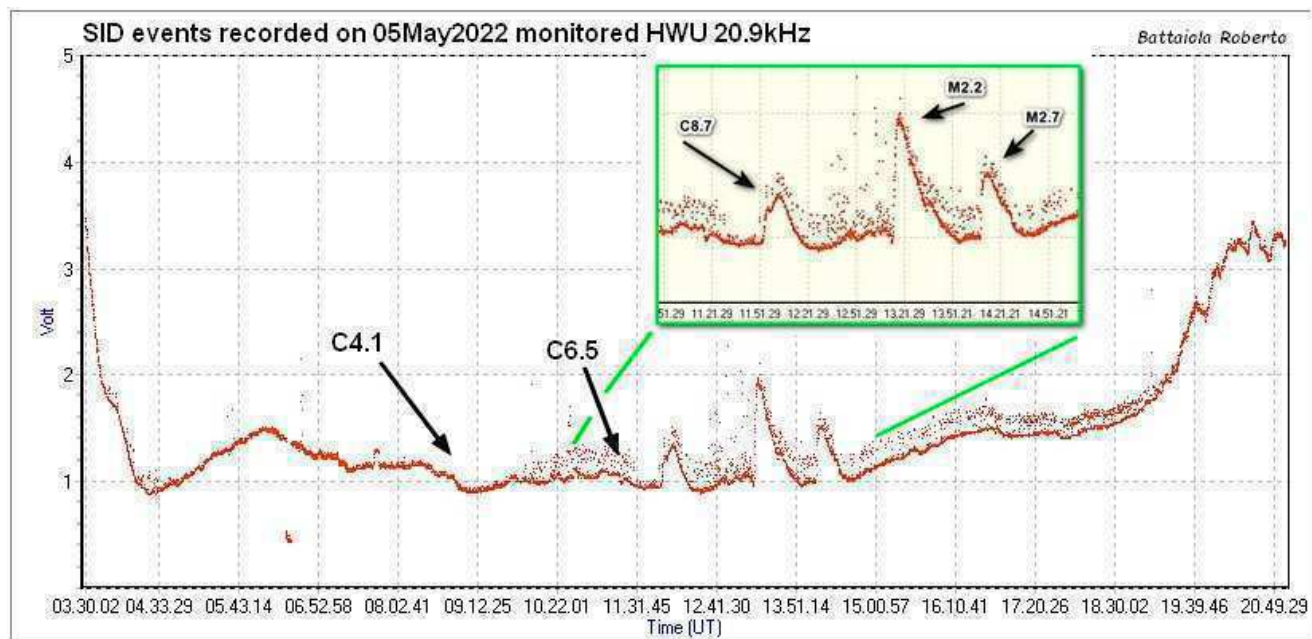


This chart by Paul Hyde shows some of the 14 SIDs recorded on the 11th, with a nearly continuous stream of C-class flares. The final M2.2 flare at 18:45UT is not shown, but this was unusual in having a flat peak lasting for about an hour.

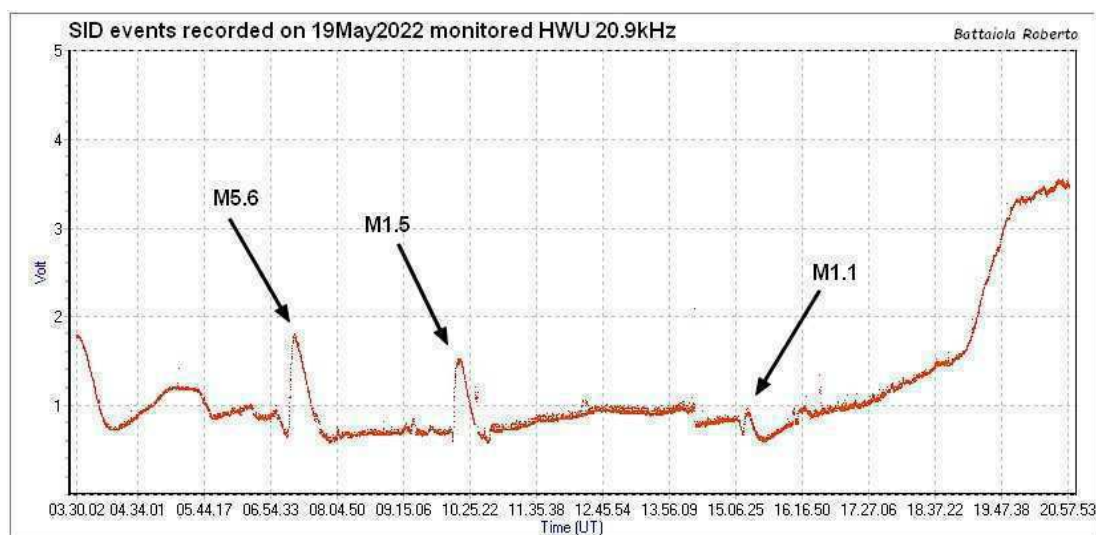
May 5th was also very busy with flares, shown here in the recording by Mark Prescott:



23.4kHz was off-air at the time, as it was for several days. 19.6kHz also shows a large break from about 10UT. 20.9kHz shows the best SIDs, although the smaller flares have been lost under the larger ones. Roberto Battaiola also recorded 20.9kHz, although with a fairly noisy signal:



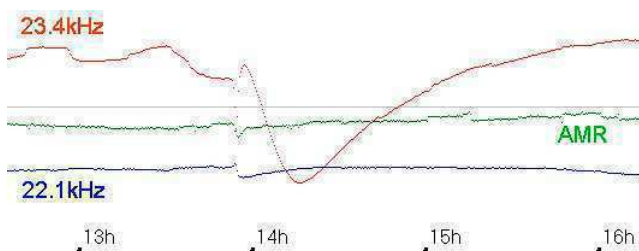
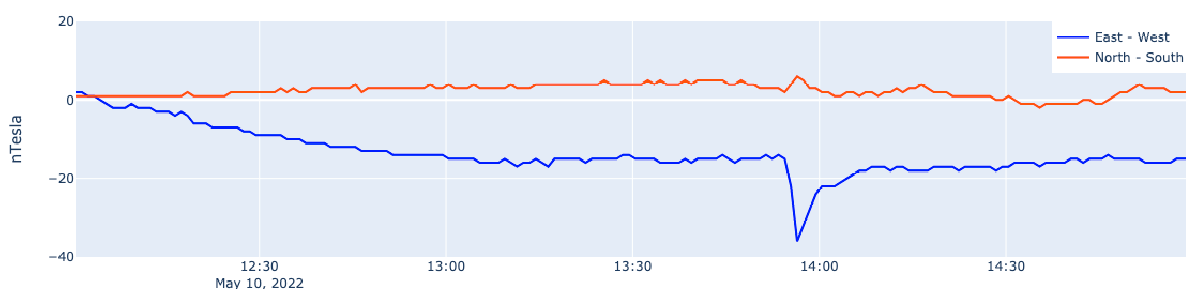
Solar activity dropped towards the end of May, the background X-ray flux falling back to B-levels. There were still a few stronger flares though, and Roberto Battaiola recorded the three M-class flares on the 19th, shown on the next page. The four SIDs shown in the timing tables between the M1.5 and M1.1 flares are listed in the SWPC bulletin, but without magnitude data.



MAGNETIC OBSERVATIONS.

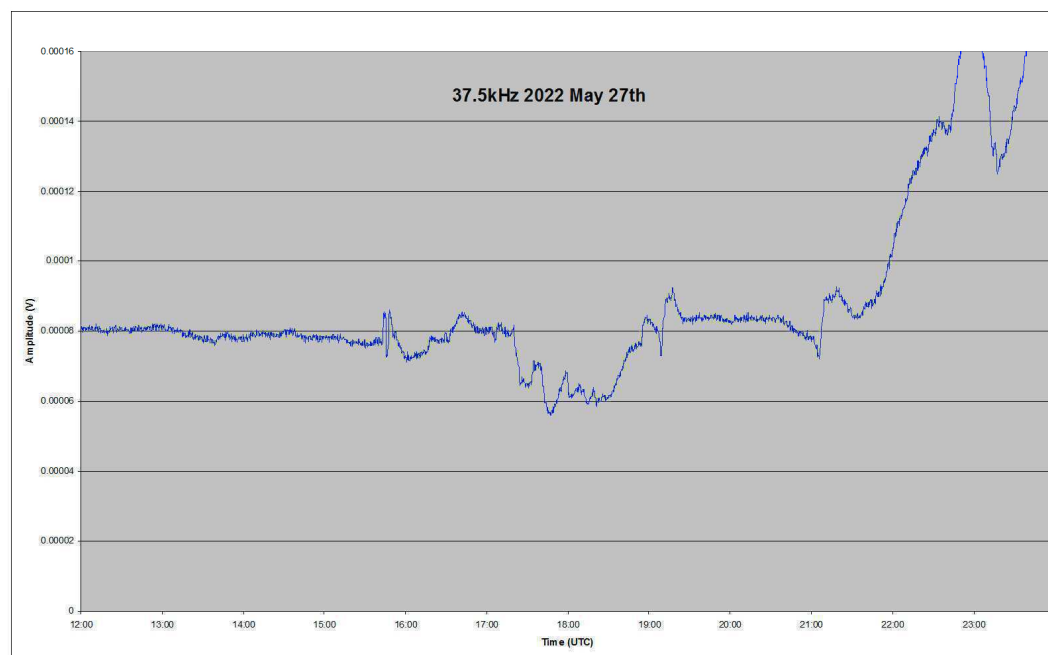
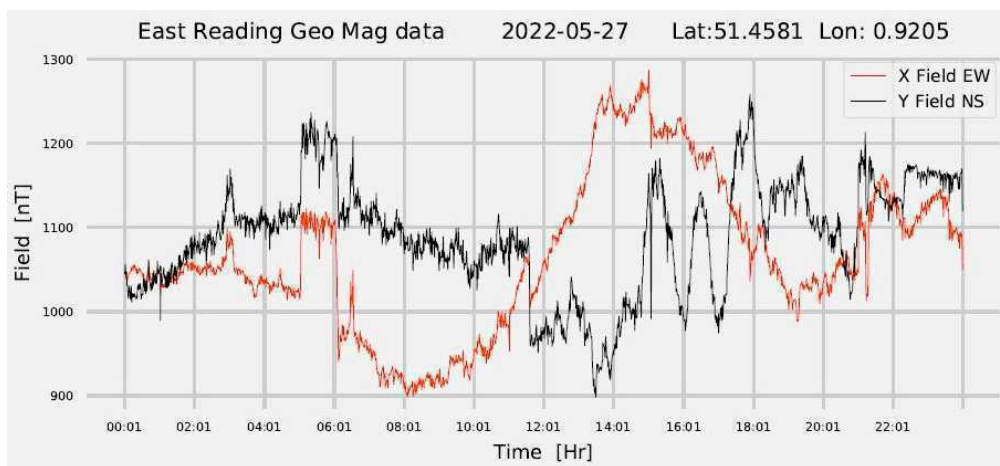
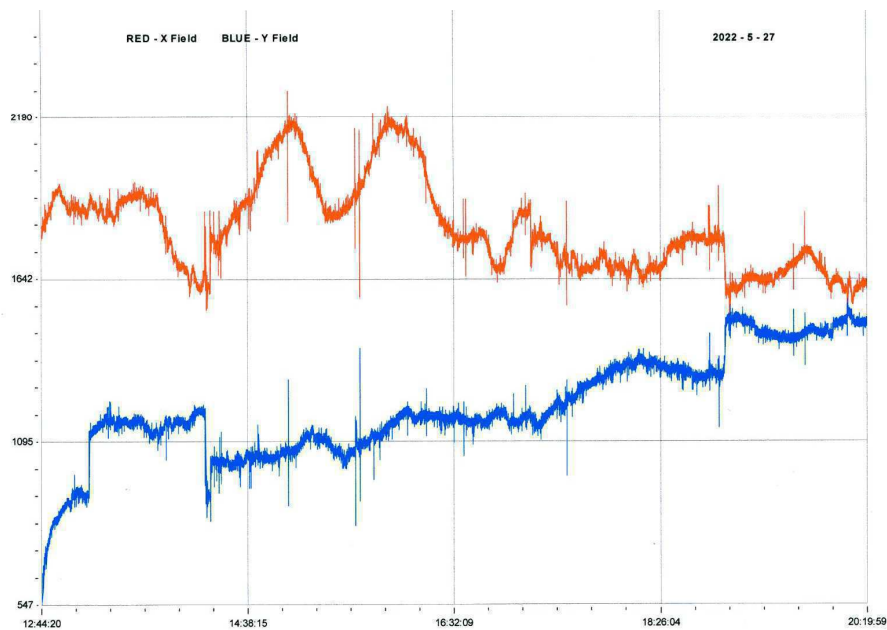
Magnetic activity in May was fairly mild, despite the large number of flares. Most of the disturbances were from enhancements in the solar wind. The X1.5 flare on the 10th did however produce a magnetic SFE, very clearly shown in the recording by Nick Quinn:

Steining Magnetometer (50.8 North, 0.3 West)



I have included the VLF signals on my own recording, showing the exact timing match of the flare with the SFE. The X1.1 flare on the 3rd did not produce an SFE. Neither flare produced Earth-directed CMEs.

Mark Edwards reported non-flare related disturbances to the 37.5kHz signal on the 27th and 31st. Magnetic conditions were fairly quiet on both occasions, although the 27th did show a mild disturbance. This did not show on any of our single-axis sensor magnetometers, but does show on the dual-axis recordings by Nick Quinn, Paul Hearn and Colin Clements. Colin's recording is shown on the next page, followed by Paul's and Mark's 37.5kHz:

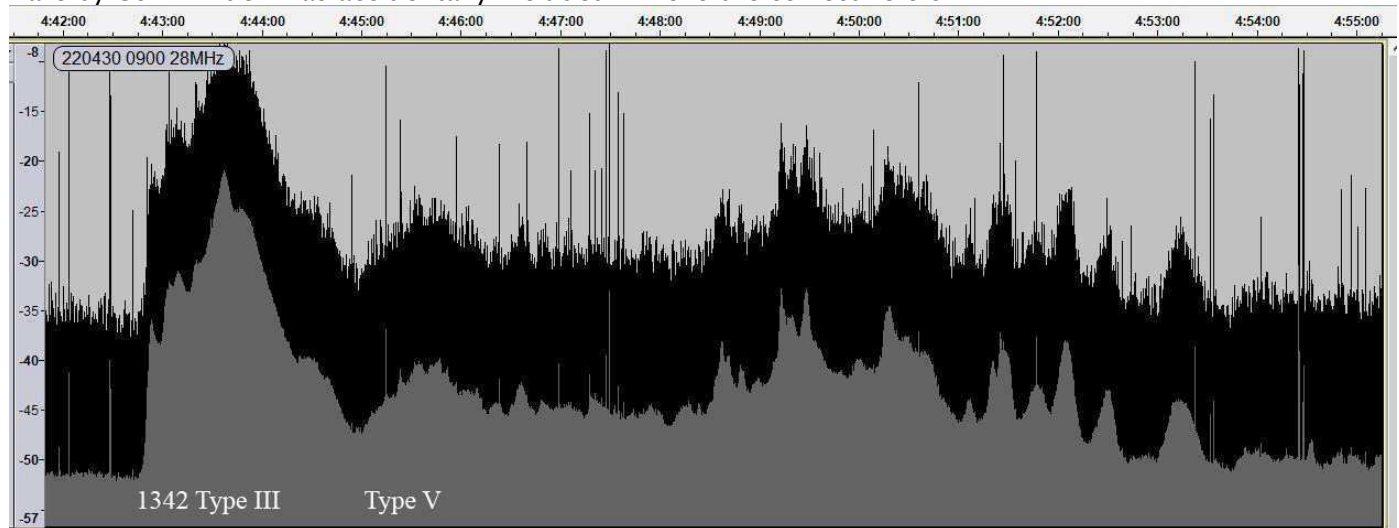


All of the other magnetic activity shown on the Bartels diagram was very mild.

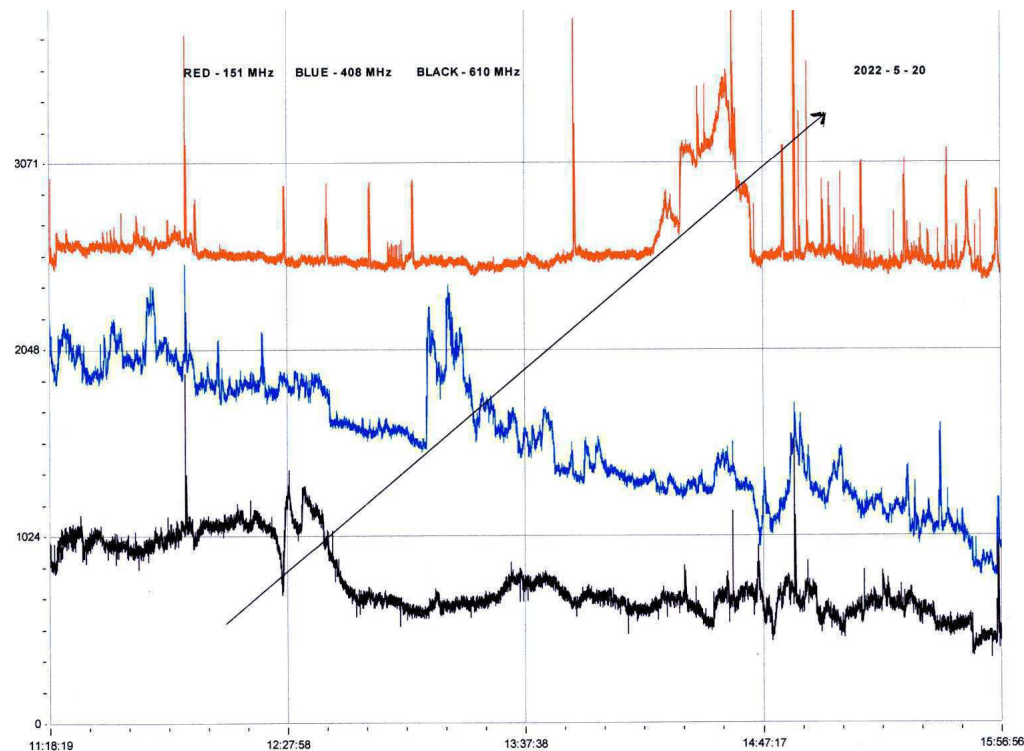
Magnetic observations received from Roger Blackwell, Colin Clements, Paul Hearn, Callum Potter, Nick Quinn and John cook.

SOLAR EMISSIONS.

First, an apology for an error in last month's report. The wrong 28MHz recording for the April 30th X1.1 flare by Colin Briden was accidentally included. This is the correct version:

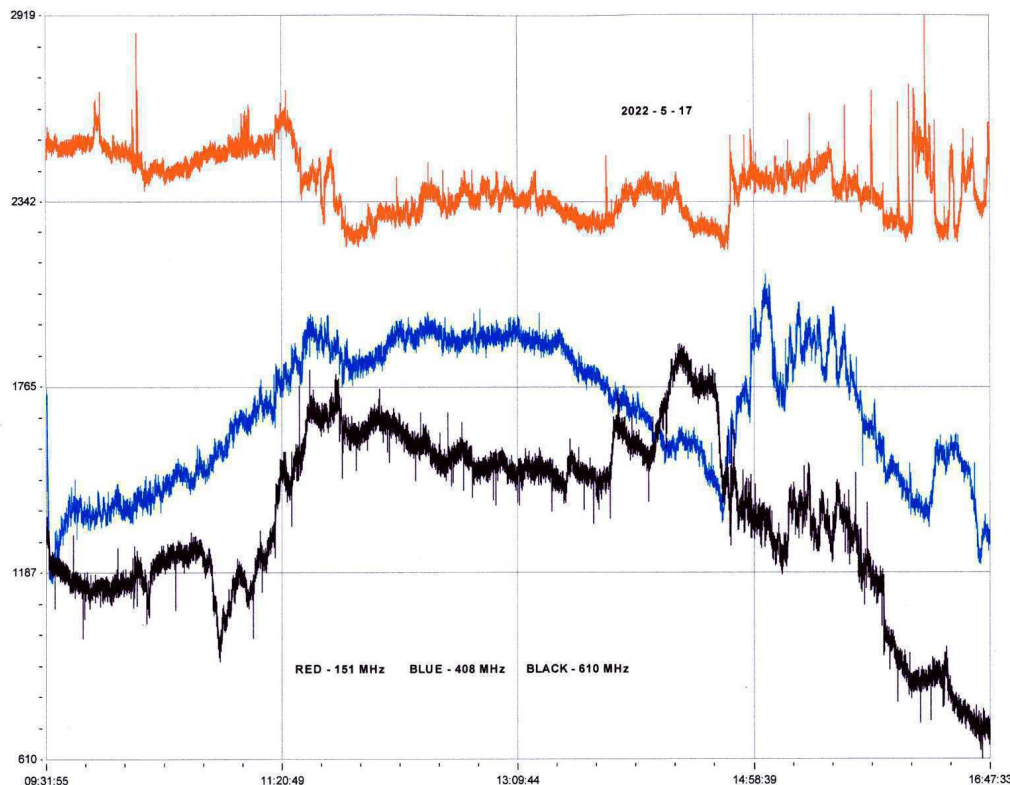


This shows much more activity appropriate for an X1.1 flare compared to the one included last time.



This chart by Colin Clements shows a feature that we have not previously recorded. The arrow shows a noise burst falling in frequency over time, known as a Slow Drift Continuum burst. Colin has done some research on this, and links it to the M3.0 flare at 07:55, produced by AR13014. This was a very complex sunspot group, the largest recorded so far in solar cycle 25.

Many of the larger flares did not seem to produce much in the way of VHF signals, but Colin did record effects from the series of smaller flares on the 17th.



A rise at 610MHz (black) and 408MHz (blue) starts around the time of the C3.0 flare, along with a small rise at 151MHz (red). 151MHz then seems to fall away again, almost the inverse of the 610MHz pattern. 610MHz and 408MHz fall in intensity again before the late afternoon C4.6 flare.

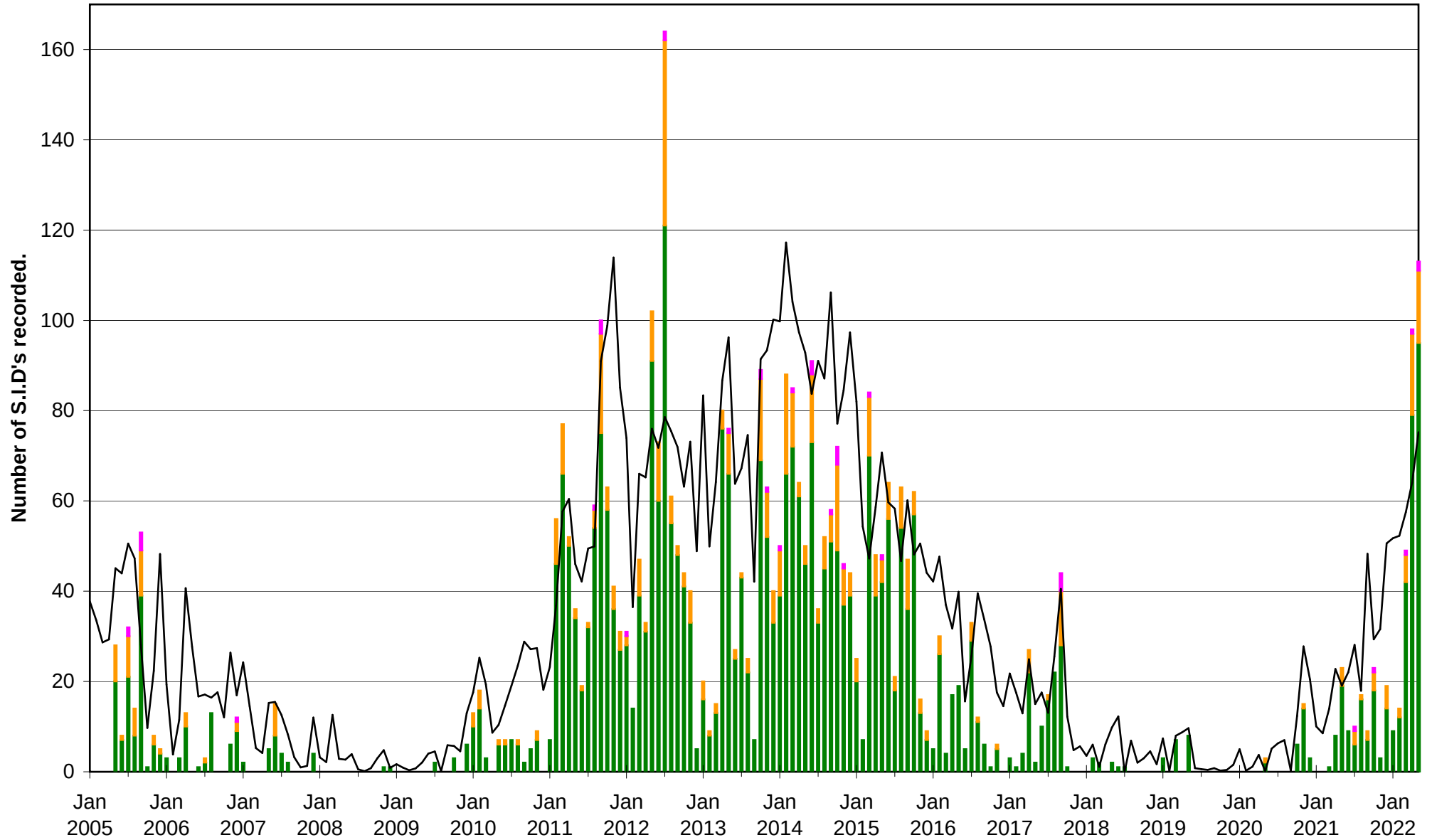
The M2.4 flare at 13:30 on the 16th produced a strong burst at 151MHz, with weaker bursts at 408MHz and 610MHz. The C3.1 flare on the 1st also produced small bursts at all three frequencies.

METEOR OBSERVATIONS.

No meteor observations were reported in May. We do however now have a new beacon signal available in the UK for observers. GB3MBA is operating at 50.408MHz from Sherwood observatory, and has been organised by Brian Coleman, G4NNS. It is backed by both the RSGB and BAA. Further details can be found at ukmeteorbeacon.org/home. Our thanks go to Brian for organising this project.

VLF flare activity 2005/22

C M X — Relative sunspot number



BAA Radio Astronomy Section.

2022 MAY.

			John Cook (23.4kHz/22.1kHz)				Roberto Battaiola 20.9kHz				Paul Hyde (22.1kHz/24kHz)				Mark Edwards (24.0/19.6/20.9kHz)				Colin Clements (23.4kHz/37.5kHz)			
	Xray class	Observers	Tuned radio frequency receiver, 0.58m frame aerial.				Modified AAVSO receiver.				Spectrum Lab / PC 1.5m frame aerial.				Spectrum Lab / PC 2m loop aerial.				Tuned Radio Frequency receivers, 0.76m screened loop aerial.			
DAY			START	PEAK	END (UT)		START	PEAK	END (UT)		START	PEAK	END (UT)		START	PEAK	END (UT)		START	PEAK	END (UT)	
1	C1.8	3									08:13	08:21	08:33	1	08:16	08:19	08:31	1-				
1	C3.1	7	11:00	11:15	12:12	2+					11:00	11:19	11:56	2+	11:06	11:21	11:38	1+	11:10	11:27	12:32	2+
1	?	1													11:55	12:07	13:01	2+				
1	C2.6	4									13:20	13:30	14:02	2	13:21	13:34	14:12	2+				
1	C1.7	1													18:12	18:19	18:42	1+				
3	M1.3	7					07:37	07:51	08:03	1+	07:40	07:55	08:33	2+	07:45	07:55	08:45	2+	07:44	08:02	08:26	2
3	C1.6	2									11:58	12:07	12:17	1	11:59	12:07	12:30	1+				
3	X1.1	8					13:04	13:24	14:05	2+	13:20	13:27	14:39	2+	13:21	13:28	14:50	3	13:27	13:31	15:28	3
4	C6.7	4	05:45	05:54	06:06	1	05:37	05:52	06:06	1+					05:47	05:57	06:05	1-				
4	B8.9	1													07:30	07:34	07:50	1				
4	?	1													07:50	08:00	08:06	1-				
4	C3.5	4					08:14	08:22	08:37	1	08:16	08:29	?	-	08:19	08:29	08:45	1+				
4	M5.7	10	08:54	08:57	09:37	2	08:46	08:59	09:44	2+	08:48	08:59	09:29	2	08:55	09:00	10:10	2+	08:59	09:06	10:17	2+
4	C3.9	3									10:15	10:20	10:42	1+	10:17	10:23	10:40	1				
4	C2.7	4									11:59	12:07	12:25	1+	12:03	12:07	?	-				
4	?	1													12:25	12:35	12:46	1				
4	C2.4	3									12:53	12:58	13:26	2	12:52	13:02	13:32	2				
4	?	1													13:11	13:16	13:32	1				
4	?	1													14:15	14:27	14:34	1				
4	C2.8	3									15:44	15:51	16:07	1	15:46	15:51	16:08	1				
4	M1.1	7									16:13	16:36	17:42	3	16:12	16:34	?	-	16:20	16:42	17:14	2+
4	?	1													17:04	17:07	17:44	2				
4	C3.0	2									18:27	18:33	18:56	1+	18:29	18:36	18:54	1				
4	C8.6	2									18:57	19:08	19:34	2	18:58	19:09	19:32	2				
4	M1.5	2									19:42	19:50	20:13	1+	19:44	19:55	20:11	1+				
4	M1.6	1													20:19	20:22	20:35	1-				
5	C3.8	2									07:09	07:22	07:42	2	07:18	07:23	07:30	1-				
5	C2.6	3									08:30	08:41	?	-	08:34	08:36	08:44	1-				
5	C4.1	6					08:44	09:01	09:23	2	08:48	09:05	09:31	2	08:54	09:01	09:28	2				
5	C1.7	1													09:59	10:06	10:15	1-				
5	C6.5	8					11:14	11:18	11:23	1-	11:16	11:25	?	-	11:16	11:23	11:42	1+	11:20	11:29	11:49	1+
5	C8.7	9	11:53	11:56	12:21	1+	11:51	12:03	12:21	1+	11:49	11:57	12:43	2+	11:49	11:59	?	-	11:49	12:08	13:20	3
5	?	1													12:00	12:03	12:49	2+				
5	M2.2	9	13:15	13:17	?	-	13:08	13:18	13:55	2+	13:14	13:19	?	-	13:12	13:18	?	-	13:20	13:23	14:13	2+
5	C6.8	5	13:36	13:38	13:58	1					13:35	13:40	14:05	1+	13:26	13:39	14:07	2				
5	M2.7	9	14:09	14:11	14:43	2	14:04	14:12	14:35	1+	14:09	14:12	15:14	2+	14:09	14:13	15:05	2+	14:13	14:19	15:29	2+
5	?	1													15:19	15:20	15:24	1-				
5	C3.4	5									15:37	15:42	16:02	1	15:38	15:42	15:57	1	15:43	15:47	16:05	1
5	C1.4	1													16:11	16:14	16:18	1-				
5	C1.4	1													18:04	18:07	18:13	1-				
6	C1.5	4									15:18	15:21	15:41	1	15:16	15:20	15:47	1+				
6	C4.8	8	16:18	16:24	16:44	1+					16:17	16:24	17:00	2	16:18	16:25	17:05	2+	16:24	16:30	16:58	2
7	C3.6	2	06:05	06:06	06:25	1	05:59	06:06	06:12	1-												
7	C1.4	1													13:08	13:09	13:22	1-				
7	C2.2	3									15:05	15:13	15:30	1	15:06	15:10	15:30	1				
8	C1.8	2									07:44	07:50	07:59	1-	07:48	07:50	07:56	1-				
8	C4.1	10	12:24	12:31	13:35	2+	12:18	12:32	12:44	1+	12:22	12:36	13:11	2+	12:26	12:36	13:12	2+	12:15	12:38	13:15	2+
8	C8.2	2									19:33	19:43	?	-	19:35	19:46	20:17	2				
9	C2.1	2									14:21	14:33	14:51	1+	14:25	14:35	15:15	2+				
10	C2.9	2									07:46	08:00	08:11	1	07:52	07:57	?	-				
10	?	2													08:11	08:13	08:29	1-				
10	C2.8	4									12:56	13:01	13:26	1+	12:57	13:03	13:27	1+				
10	?	4									13:01	13:43	?	-	13:33	13:49	?	-				
10	X1.5	11	13:52	13:57	16:10	3+	13:50	13:56	14:52	2+	13:53	13:55	15:27	3	13:32	13:58	16:33	3+	13:59	14:03	15:21	2+
11	C3.1	3	06:16	06:18	06:22	1-	06:13	06:18	06:23	1-					06:15	06:28	06:41	1+				
11	C4.5	4					06:24	06:26	16:34	3+	06:22	06:29	06:36	1-	06:15	06:28	06:41	1				
11	C1.9	1													08:57	09:00	09:06	1-				
11	?	1																				
11	C3.5	7	09:44	09:52	10:08	1					09:30	09:55	10:52	2+	09:33	09:54	10:39	2+				
11	C1.7	2													12:04	12:09	12:30	1+				
11	C2.9	1									12:41	12:50	13:13	1+	12:41	12:50	13:13	1+				
11	C4.9	6	13:20	13:28	13:41	1					13:21	13:31	13:48	1+	13:22	13:28	13:56	2	13:21	13:32	13:55	2
11	C3.5																					

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2022 MAY.

[illegible]

2022 MAY.

[illegible]

2022 MAY.

			Colin Briden (22.1kHz)				Andrew Lutley (23.4kHz)				Peter Meadows (23.4kHz)				John Elliott (18.3kHz)				Mark Prescott (20.9kHz)			
	Xray class		Spectrum Lab / PC, 1.2m frame aerial.				Tuned radio frequency receiver, 0.6m frame aerial.				Tuned radio frequency receiver, 0.6m frame aerial.				Tuned radio frequency receiver, 0.5m frame aerial.							
DAY			START	PEAK	END (UT)		START	PEAK	END (UT)		START	PEAK	END (UT)		START	PEAK	END (UT)		START	PEAK	END (UT)	
1	C1.8																					
1	C3.1														11:04	11:28	11:50	2+				
1	?																					
1	C2.6														13:21	13:30	13:57	2				
1	C1.7																					
3	M1.3														07:44	07:57	08:47	2+				
3	C1.6																					
3	X1.1		13:21	13:23	13:41	1									13:24	13:37	14:39	2+				
4	C6.7																					
4	B8.9																					
4	?																					
4	C3.5		08:18	08:27	?	-																
4	M5.7		08:53	09:01	09:29	2									08:51	09:07	09:27	2				
4	C3.9		10:13	10:19	10:22	1-																
4	C2.7		12:00	12:05	12:10	1-																
4	?																					
4	C2.4																					
4	?																					
4	?																					
4	C2.8		15:43	15:49	15:53	1-																
4	M1.1		16:26	16:34	16:57	1+									16:30	16:42	17:21	2+				
4	?																					
4	C3.0																					
4	C8.6																					
4	M1.5																					
4	M1.6																					
5	C3.8																					
5	C2.6																					
5	C4.1														08:51	09:07	09:35	2				
5	C1.7																					
5	C6.5														11:19	11:26	11:44	1				
5	C8.7														11:54	12:09	12:33	2				
5	?																					
5	M2.2														13:15	13:22	13:36	1				
5	C6.8														13:37	13:42	14:00	1				
5	M2.7														14:10	14:19	15:10	2+				
5	?																					
5	C3.4																					
5	C1.4																					
5	C1.4																					
6	C1.5																					
6	C4.8														16:23	16:28	17:00	2				
7	C3.6																					
7	C1.4																					
7	C2.2																					
8	C1.8																					
8	C4.1		12:24	12:32	12:43	1									12:29	12:38	12:49	1				
8	C8.2																					
9	C2.1																					
10	C2.9																					
10	?		10:00	10:04	?	-																
10	C2.8		12:56	13:04	13:20	1																
10	?		13:31	13:45	?	-																
10	X1.5		13:54	13:59	15:00	2+									13:56	14:00	15:43	3				
11	C3.1		06:15	06:19	?	-																
11	C4.5		06:23	06:28	06:36	1-																
11	C1.9																					
11	?																					
11	C3.5		09:31	09:54	10:17	2+									09:41	09:57	10:18	2				
11	C1.7		12:00	12:06	12:10	1-																
11	C2.9																					
11	C4.9														13:23	13:33	13:48	1				
11	C3.5														14:08	14:15	14:22	1-				
11	C3.8														14:23	14:29	14:44	1				
11	C4.4														14:50	14:58	15:17	1+				
11	C8.6														15:39	15:52	16:25	2+				
11	M1.6														16:45	16:55	17:42	2+				
11	M2.2																					
12	C5.9																					
12	C2.8														10:37	10:50	11:17	2				
12	C2.0																					
12	C1.7																					
12	C4.3																					
12	M1.3																					
13	C2.9		08:54	09:05	09:10	1-																
13	C2.7		09:44	09:47	09:53	1-																
13	C4.2		10:08	10:12	10:28	1									10:08	10:16	10:28	1				
13	?																					
13	C1.8																					
13	?																					
13	C3.3																					
14	C1.9																					
14	C3.0																					
14	C1.8																					
14	C1.8																					
14	C2.1																					
14	C2.3																					
14	C3.6																					
15	C1.9																					
16	C5.6																					
16	M2.4		13:18	13:23	13:25	1-									10:11	10:21	10:40	1+				
16	C5.5														13:21	13:32	14:17	2+				
17	C3.0		10:21	10:30	10:47	1+									10:26	10:35	11:01	2				
17	C9.9		11:27	11:47	12:04	2									11:38	11:43	12:08	1+				
17	C8.6		12:31	12:46	12:51	1									12:31	12:40	12:59	1+				
17	?																					
17	?																					
17	?																					
17	C4.6		16:22	16:28	16:37	1-																

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17	?								
17	C3.2								
18	C2.9								
18	?								
18	C2.7								
18	C2.6								
18	C4.7								
18	?								
19	C7.8								
19	M5.6							07:05	07:25 08:25 2+
19	?								
19	M1.5	10:06	10:08	10:36	1+			10:06	10:14 10:51 2
19	?								
19	?								
19	?								
19	M1.1	15:13	15:17	15:23	1-			15:12	15:22 16:21 2+
19	C3.3								
20	M3.0							07:44	07:54 09:06 2+
20	?								
20	C2.7								
20	?								
20	?								
20	?								
20	C2.5								
21	?								
21	?								
21	C3.4	13:34	13:38	13:42	1-				
21	C2.7								
21	C2.5								
22	C3.7	14:23	14:30	14:40	1-				
22	C2.4								
23	C3.4								
23	C5.2								
23	?								
23	?								
24	?								
24	C4.5								
24	?								
24	C3.6	11:57	12:06	12:13	1-				
25	C2.0								
25	C2.1								
25	M1.3								
26	C1.6	13:15	13:22	13:28	1-				
26	C2.8								
27	C2.3								
27	C1.6								
28	C1.3								
28	C1.8								

BARTELS DIAGRAM

ROTATION	KEY:	DISTURBED.		ACTIVE	SFE	B, C, M, X = FLARE MAGNITUDE.	Synodic rotation start (carrington's).
2529							
F	26	27	28	29	30	31	2019 January
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
2530							
F	22	23	24	25	26	27	2019 February
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
2531							
F	18	19	20	21	22	23	2019 March
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2532							
F	17	18	19	20	21	22	2019 April
							1 2 3 4 5 6 7 8 9 10 11 12
2533							
F	13	14	15	16	17	18	2019 May
							1 2 3 4 5 6 7 8 9 10 11 12
2534							
F	10	11	12	13	14	15	2019 June
							1 2 3 4 5 6 7 8 9 10 11 12
2535							
F	6	7	8	9	10	11	2019 July
							1 2 3 4 5 6 7 8 9 10 11 12
2536							
F	3	4	5	6	7	8	2019 August
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2537							
F	30	31	1	2	3	4	2019 September
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2538							
F	26	27	28	29	30	31	2019 October
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2539							
F	22	23	24	25	26	27	2019 November
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2540							
F	19	20	21	22	23	24	2019 December
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2541							
F	15	16	17	18	19	20	2020 January
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2542							
F	12	13	14	15	16	17	2020 February
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2543							
F	8	9	10	11	12	13	2020 March
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2544							
F	4	5	6	7	8	9	2020 April
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2545							
F	2	3	4	5	6	7	2020 May
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2546							
F	29	30	31	1	2	3	2020 June
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2547							
F	2230	25	26	27	28	29	2020 July
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2548							
F	2231	22	23	24	25	26	2020 August
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2549							
F	2032	18	19	20	21	22	2020 September
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2550							
F	2033	15	16	17	18	19	2020 October
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2551							
F	2234	11	12	13	14	15	2020 November
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2552							
F	2235	8	9	10	11	12	2020 December
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2553							
F	2236	5	6	7	8	9	2021 January
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2554							
F	2237	31	1	2	3	4	2021 February
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2555							
F	2238	27	28	29	30	31	2021 March
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2556							
F	2239	24	25	26	27	28	2021 April
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2557							
F	2240	20	21	22	23	24	2021 May
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2558							
F	2241	16	17	18	19	20	2021 June
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2559							
F	2242	15	16	17	18	19	2021 July
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2560							
F	2243	11	12	13	14	15	2021 August
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2561							
F	2244	8	9	10	11	12	2021 September
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2562							
F	2245	4	5	6	7	8	2021 October
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2563							
F	2021 July	1	2	3	4	5	2021 November
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2564							
F	2246	28	29	30	31	1	2021 December
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2565							
F	2248	24	25	26	27	28	2022 January
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2566							
F	2249	20	21	22	23	24	2022 February
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2567							
F	2250	17	18	19	20	21	2022 March
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2568							
F	2251	13	14	15	16	17	2022 April
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2569							
F	2252	10	11	12	13	14	2022 May
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2570							
F	2253	6	7	8	9	10	2022 June
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2571							
F	2254	2	3	4	5	6	2022 July
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2572							
F	2256	1	2	3	4	5	2022 August
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2573							
F	2255	28	29	30	31	1	2022 September
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2574							
F	2257	24	25	26	27	28	2022 October
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2575							
F	2257	21	22	23	24	25	2022 November
							1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22