

SETI ANALYSIS

Date	28-May-14	School	Pine Ridge High School	Teacher	Diane Sartore			
DOY	148	Local time starts	12:32:37 PM	Filename	spc00587_20140528_093237			
Frame number	587		Galactic coordinates:		Latitude	-0.666667	Longitude	86.197174
Center Frequency (MHz)	8450							

A. Interference (RFI) data

Number	Start Freq. (MHz)	End Freq. (MHz)	Start time (sec)	End time (sec)	Comments
1	170.024414	170.024415	0	3600	constant throughout scan
2					
3					
4					
5					

B. Possible Instrumental noise or Interference

Number	Start Freq. (MHz)	End Freq. (MHz)	Start time (sec)	End time (sec)	Comments
1					
2					

C. Candidates

Number	Start Freq. (MHz)	End Freq. (MHz)	Start time (sec)	End time (sec)	Power (aprox) (dB)	Comments
1	0.028787	0.028788	1819	1821	4	
2	8.861596	8.861597	2476	2478	4	2 & 3 seem close on the plot, but their frequencies are pretty far apart
3	9.778073	9.778074	2757	2759	4	appeared in successive scans
4	13.116118	13.116119	2400	2402	4	4 & 5 are the closest frequencies of any sources on the plot
5	13.349288	13.349289	2806	2808	4	4 & 5 came in with ~400 s interval
6	33.952946	33.952947	2135	2137	4	
7	52.175199	52.1752	506	508	4	
8	62.327259	62.32726	1567	1569	4	
9	74.293328	74.293329	2408	2409	4	9 & 10 look close on the waterfall plot, but are not 400 s apart
10	74.732217	74.732218	2565	2567	4	(also, their frequencies do not seem to be very close)
11	80.882202	80.882203	871	873	4	
12	85.228478	85.228479	2538	2539	4	
13	96.308210	96.308211	567	569	4	
14	161.653509	161.65351	2326	2327	4	
15	169.363702	169.363703	2242	2243	4	
16	180.493994	180.493995	2318	2320	3.5	