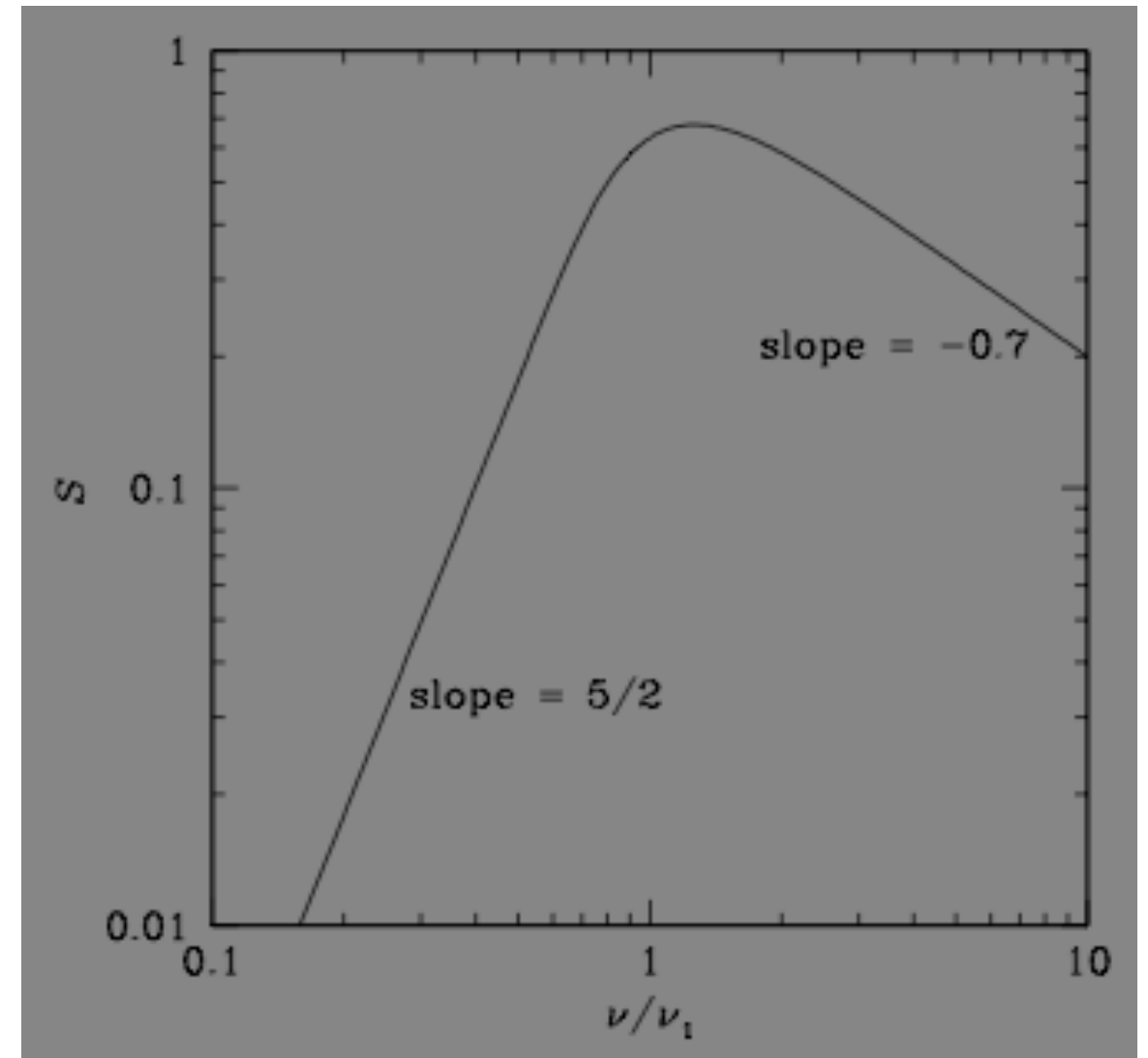
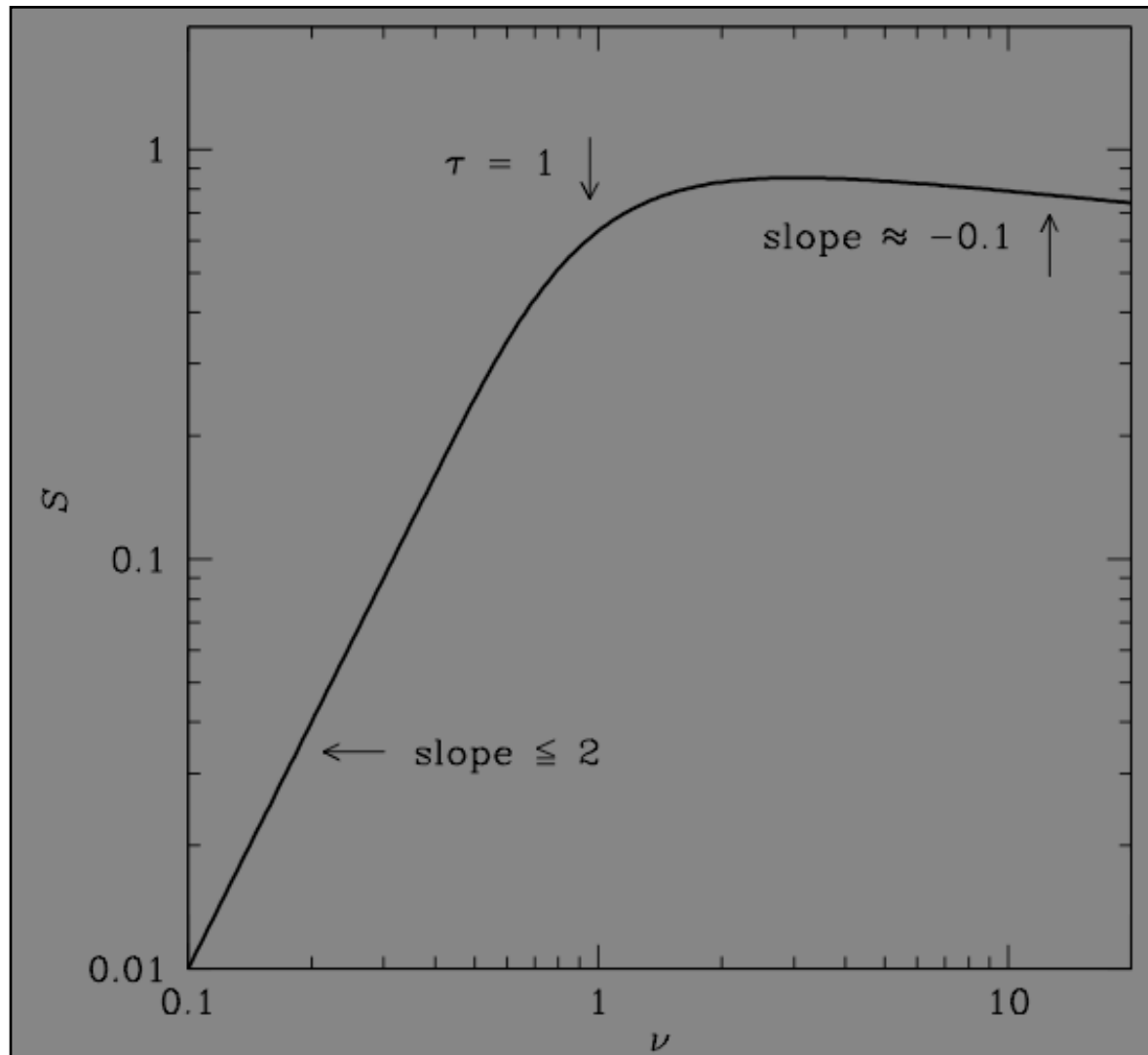


Spectral Index Continuum Measurements

Damon Farnsworth, Megan Reiter & James Urquhart

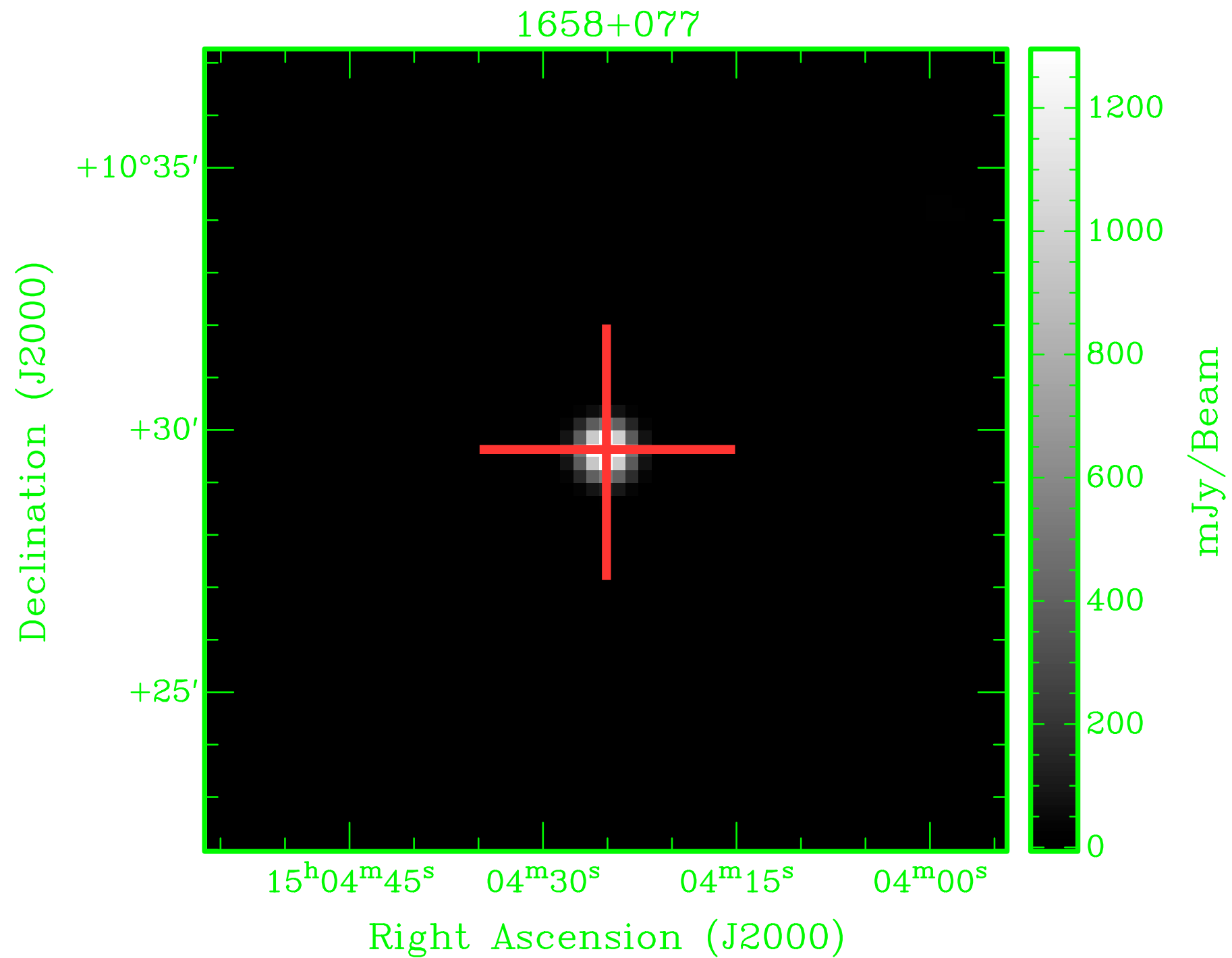


Thermal and Synchrotron Emission



$$S_\nu \propto \nu^\alpha$$

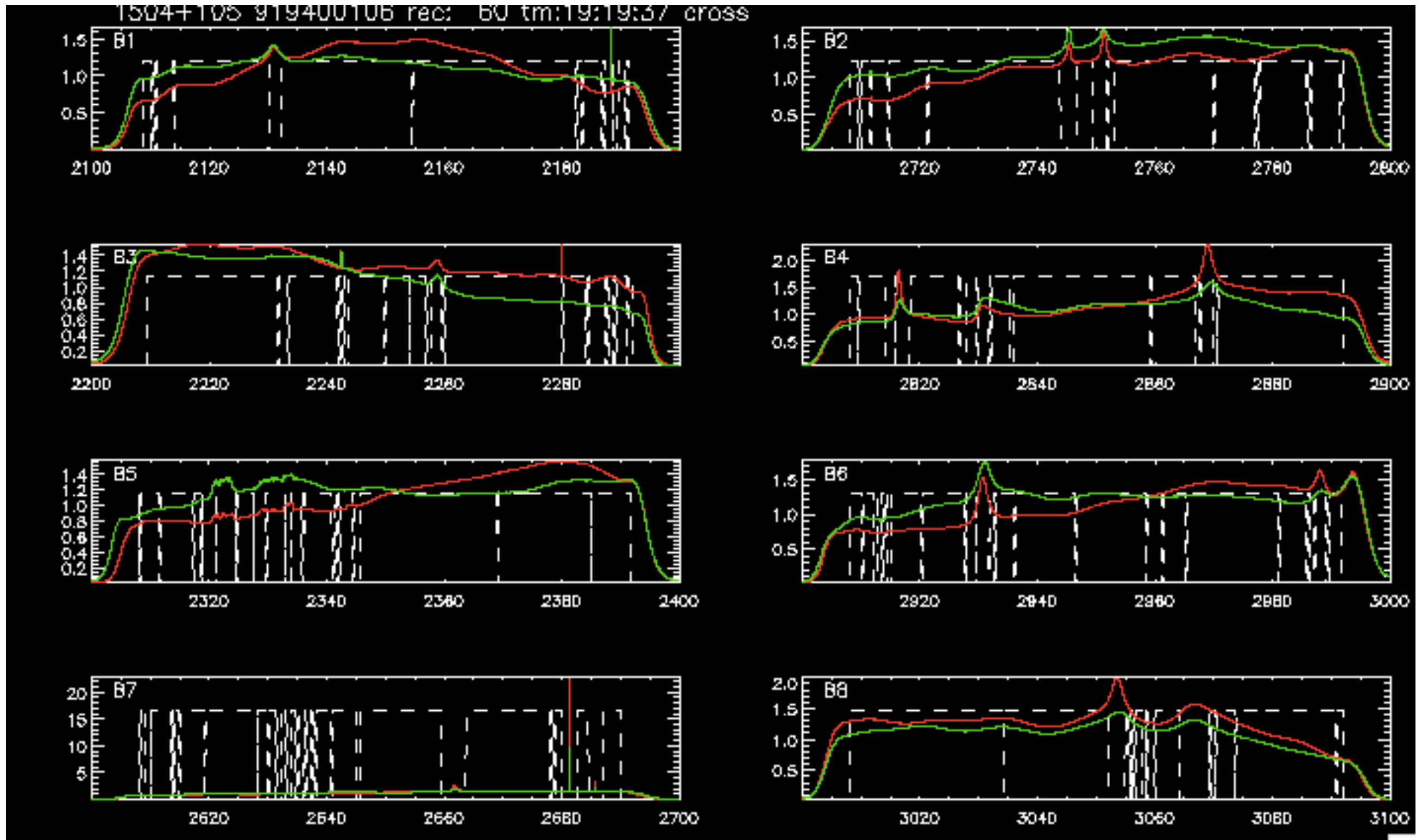
Cross-scan observations



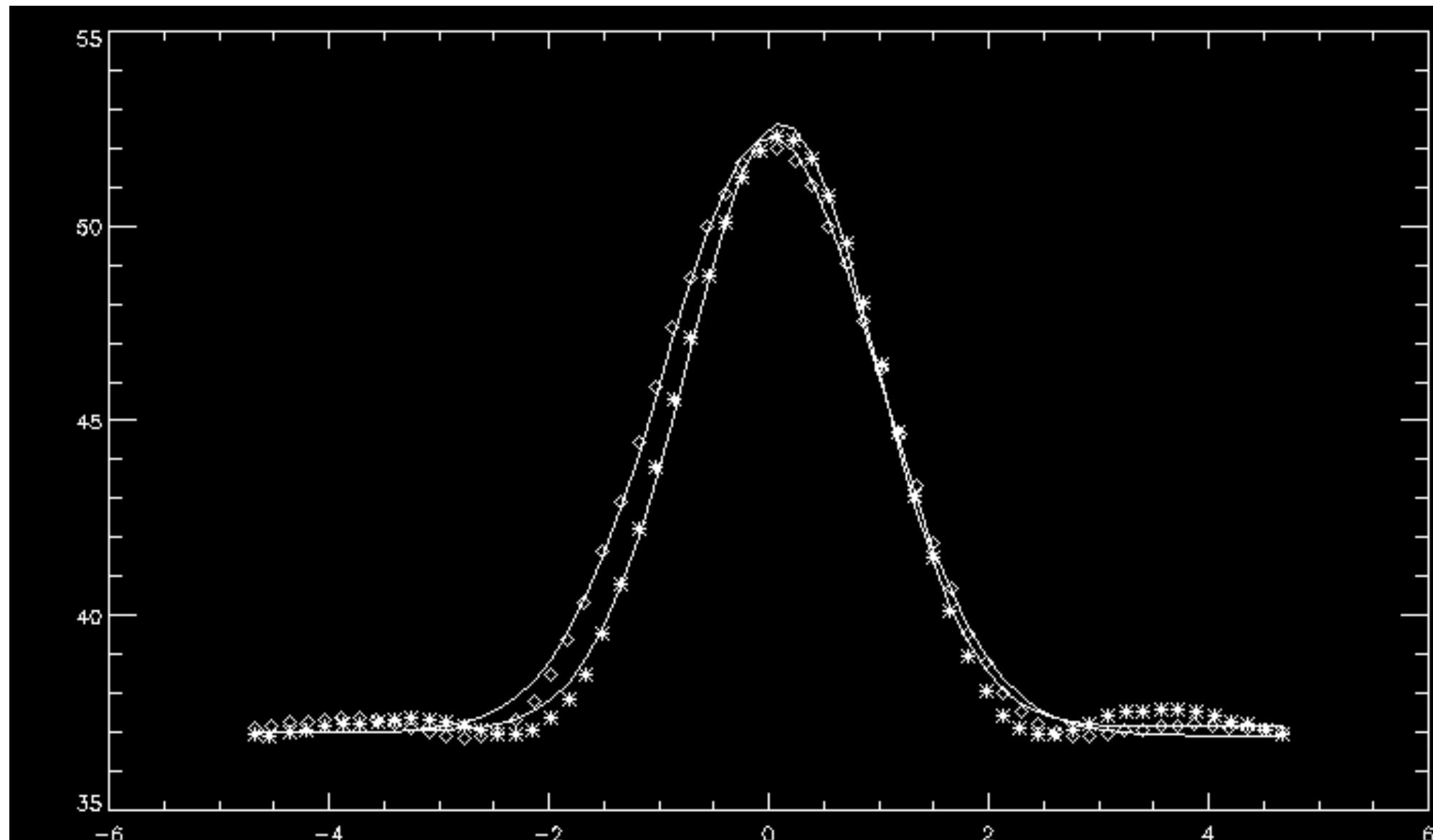
Each observations consisted of a one minute scan across the source in az and elevation

Band	Center Frequency (MHz)	Sub-bands	Bandpass (MHz)
L	1450.0	8	1100-1800
S	2600.0	8	2040-2400, 2600-3100
C	4850.0	8	4450-5250
X	8900.0	8	8500-9300

Data Reduction

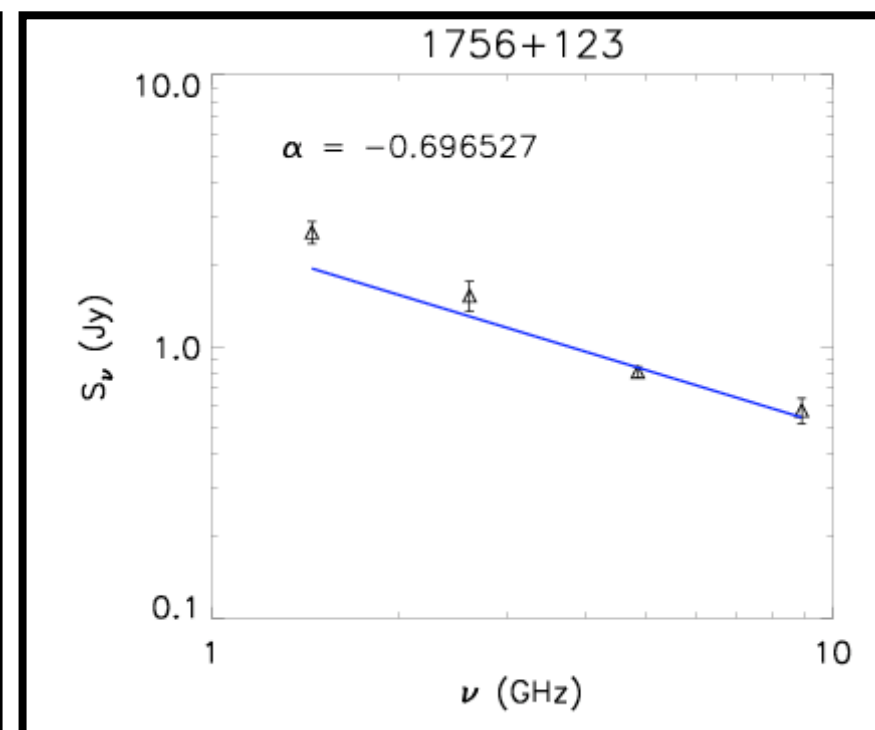
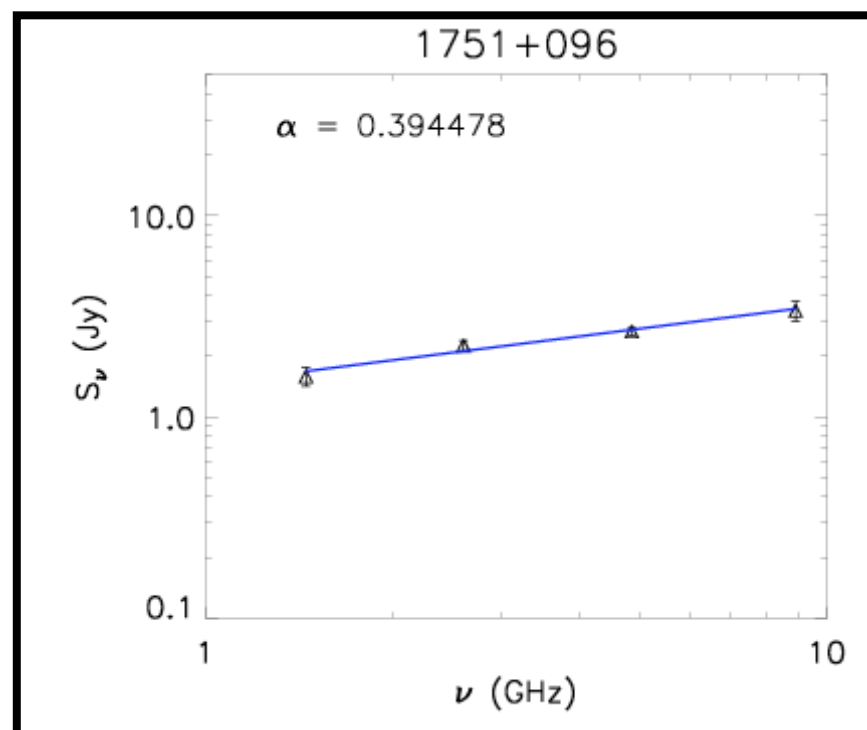
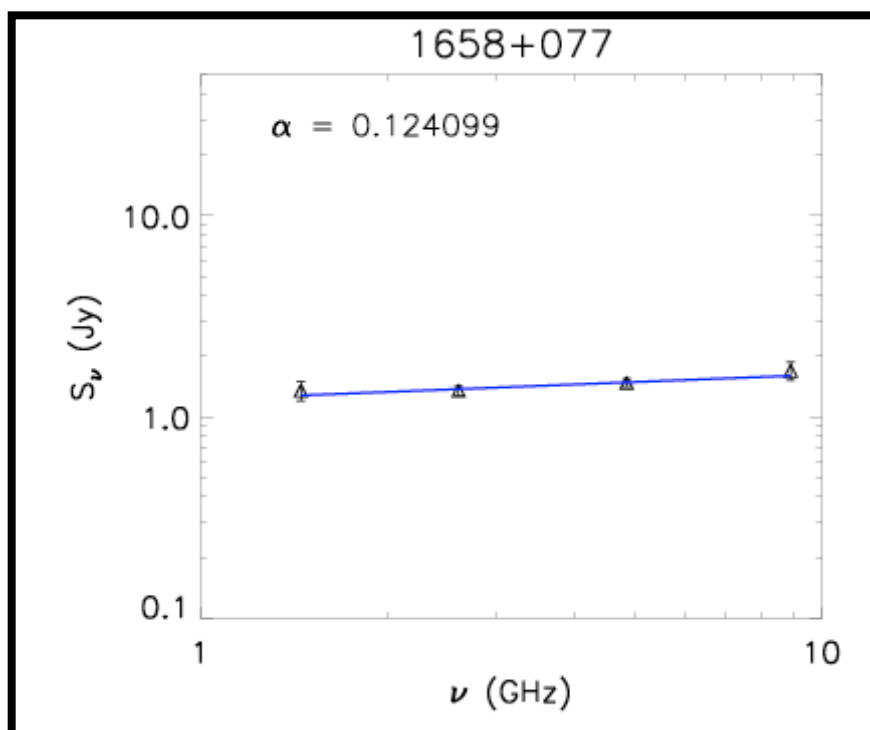
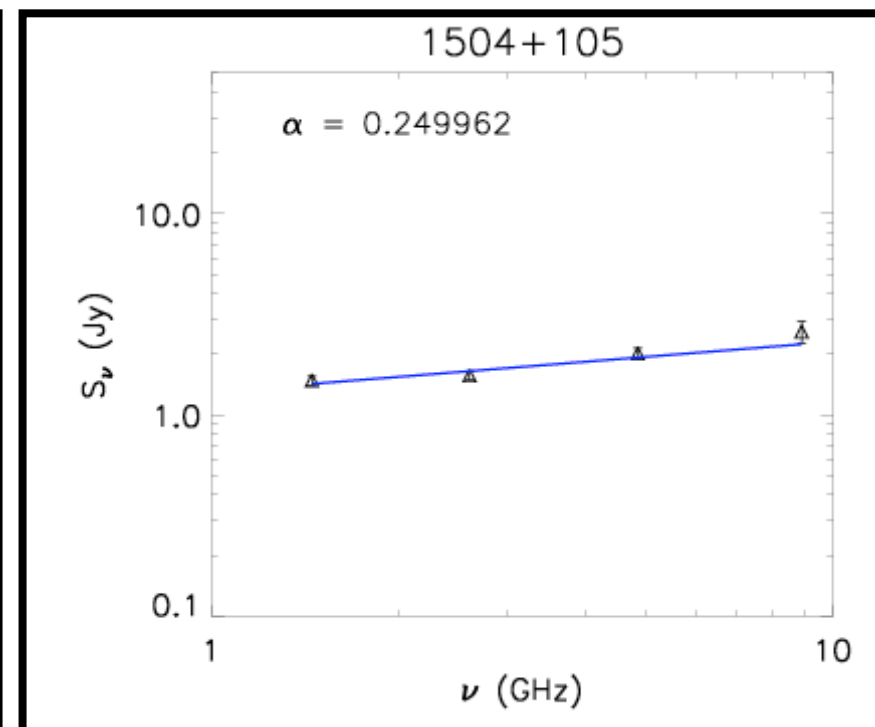
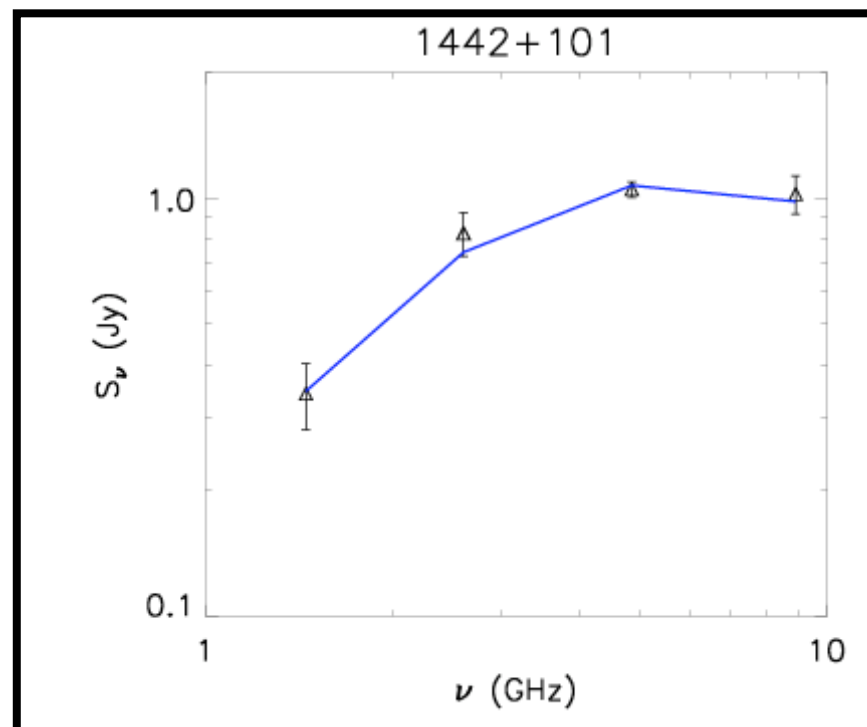
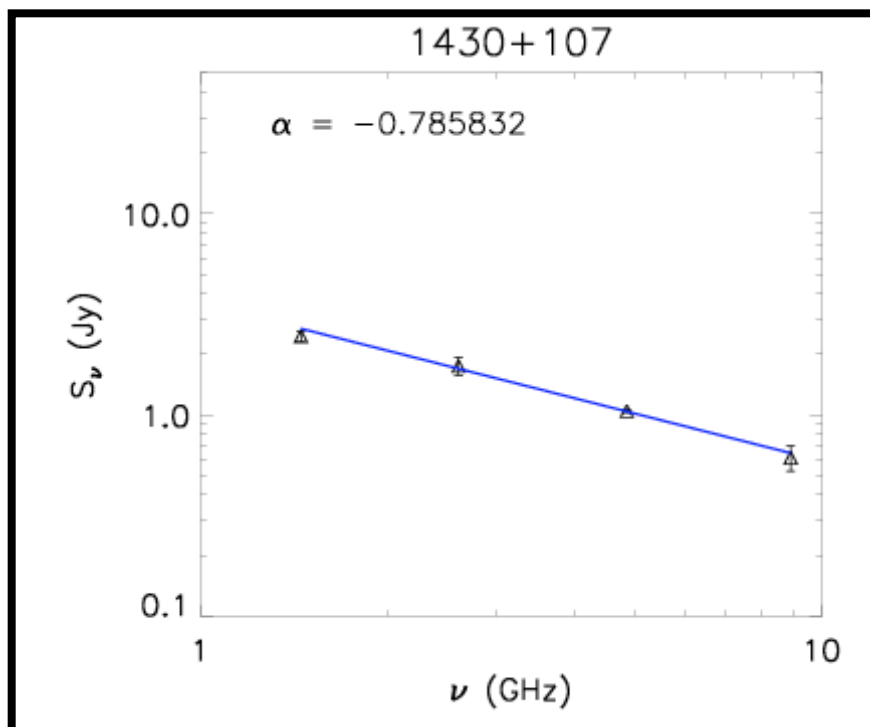


Data Reduction



AZ_FWHM(amin)	AZ_pnterr(asec)	ZA_FWHM	ZA_pnterr	S_az_jy	S_za_jy	Tsys(K)
2.02187	6.99573	2.29418	0.952380	1.52314	1.51324	37.0187
1.98629	7.21651	2.34576	0.839610	1.45314	1.44469	35.9820
1.58148	5.54091	1.81543	1.19429	1.58522	1.57827	34.5349
1.58312	7.32591	1.81417	-1.14190	1.52082	1.51389	34.2740
1.93997	6.98999	2.19239	1.16580	1.58350	1.57889	34.5554
1.90597	7.23690	2.23218	1.05249	1.51143	1.50453	34.4908
1.53472	5.28692	1.75316	0.997724	1.70354	1.69517	35.3992
1.52986	7.28478	1.76888	-1.79400	1.63639	1.62242	36.0305
1.84915	6.01506	2.09784	1.00447	1.60204	1.59220	33.3664
1.82769	7.23025	2.13828	-0.136650	1.54128	1.53280	33.2021
1.51717	6.23393	1.69269	1.08767	1.60654	1.60086	36.5189

Results



Thank You!

- Thanks to Robert, Israel the Telescope Operator and the entire SDSS staff

