

Table 1. Log of Interferometry Observations

Source	Date	Tstart	yFactor AEC	yFactor VA	Focus AEC	Focus VA	Clouds	Tdew	T [°F]	Elev	AvgCorr Ampl	RmsPhase
3C279	20080208	8.10.31			-4773	-378	clear	-	-	-	0.00054427	90.79
3C84	20080209	23.13.46.	-	-	-4773	-378	clear	-	-	-	0.00032039	113.28
3C279	20080209	7.51.22	2.1	1.4	-4414	-170	clear	-	-2	40	0.00060654	96.29
3C84	20080210	1.58.32	1.85	1.44	-4560	2	clear	-9.3	40.5	80	0.00028112	19.05
3C84	20080211	3.43.20	1.92	1.60	-4484	-484	clear	-9.3	36.4	80	0.00026512	41.91
0854	20080211	6.14.10	1.92	1.60	-4484	-484	clear	-9.6	32.6	75	0.00015530	16.89
3C273	20080211	8.07.18	1.92	1.60	-4484	-484	clear	-9.7	25.6	42	0.00072946	4.86
3C279	20080211	8.47.06	1.92	1.60	-4484	-484	clear	-9.8	23.3	41	0.00052953	3.58
3C84	20080212	1.38.56	1.96	1.44	-4484	-484	ptl cloud	-7.6	45.1	85	0.00029394	12.12
0359	20080212	2.43.59	1.96	1.44	-4484	-484	ptl cloud	-4.3	40.1	69	0.00027990	8.59
0854	20080212	4.01.39	1.96	1.44	-4484	-484	clear	-5.5	36.5	53	0.00014784	11.77
3C273	20080212	6.07.25	1.96	1.44	-4484	-484	clear	-4.9	33.2	24	0.000601459	27.02

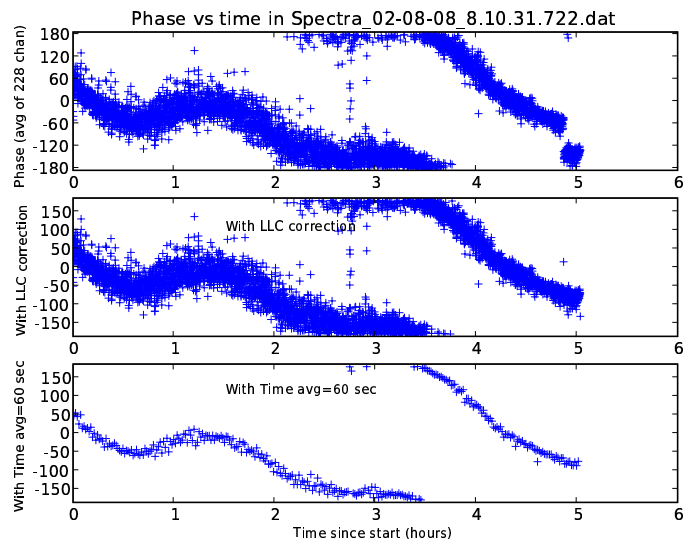


Fig. 1.— 3C279 - rmsPhase: 90.79 degrees. Example of very strong phase drifts.

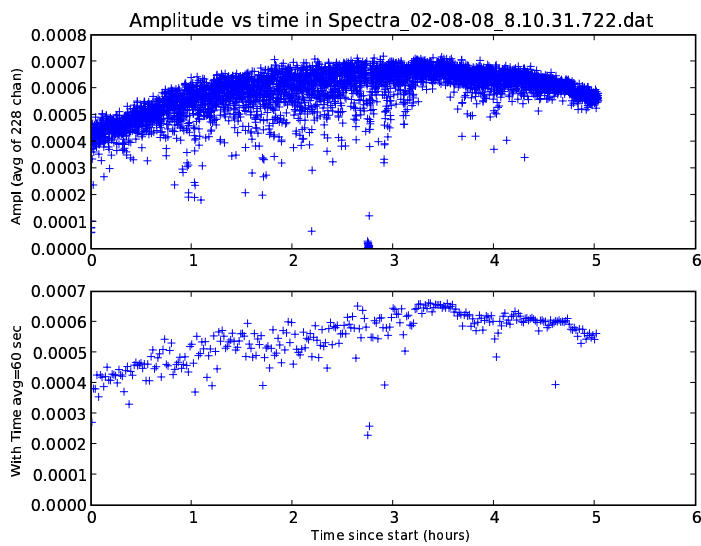


Fig. 2.— 3C279 - Average Amp: 0.00054427

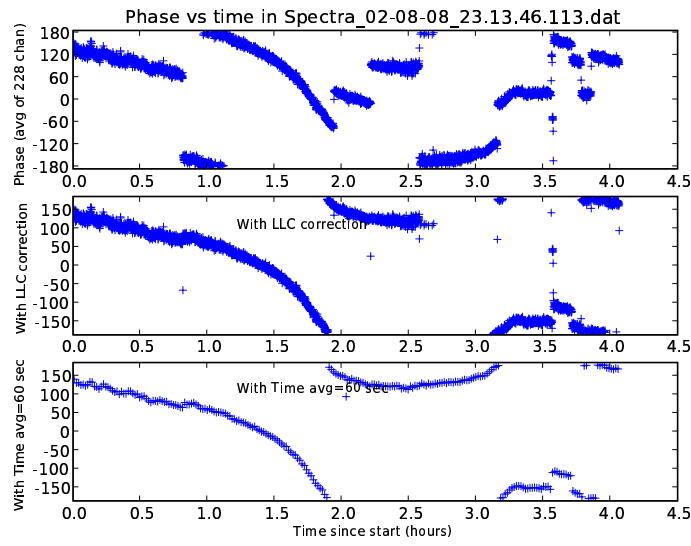


Fig. 3.— 3C84 - rmsPhase: 113.28 deg. Strong phase drift around 1.5 Hours. The phase jumps beyond 3.5 hours are due to manual changes in the cable delay.

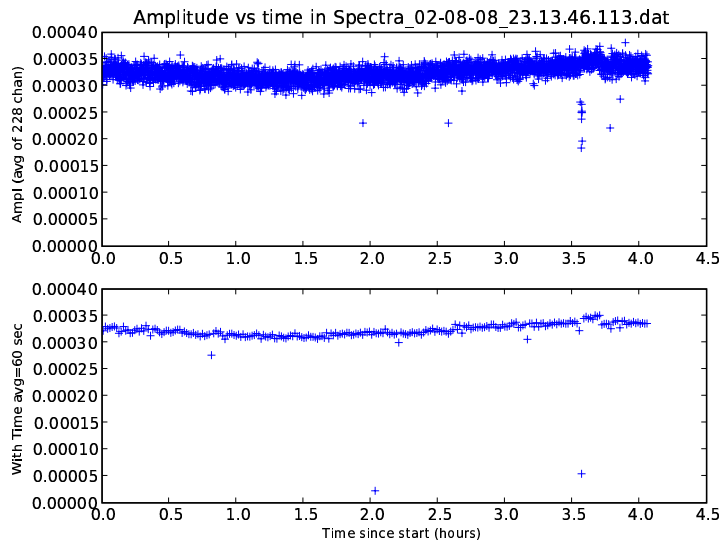


Fig. 4.— 3C84 - Average Amp: 0.000320391

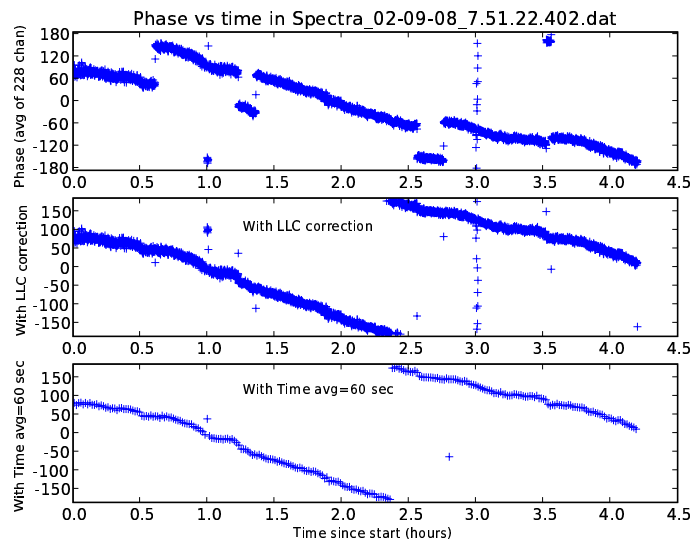


Fig. 5.— 3C279 - rmsPhase: 96.29 deg. Data used for baseline fit.

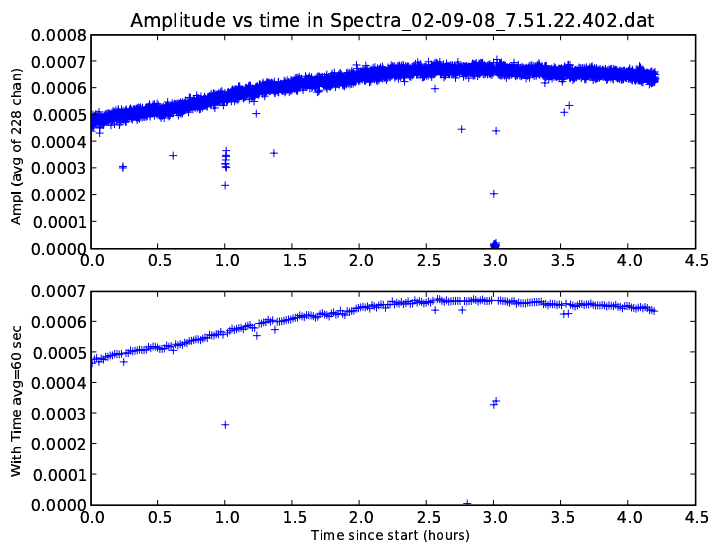


Fig. 6.— 3C279 - Average Amp: 0.000606547

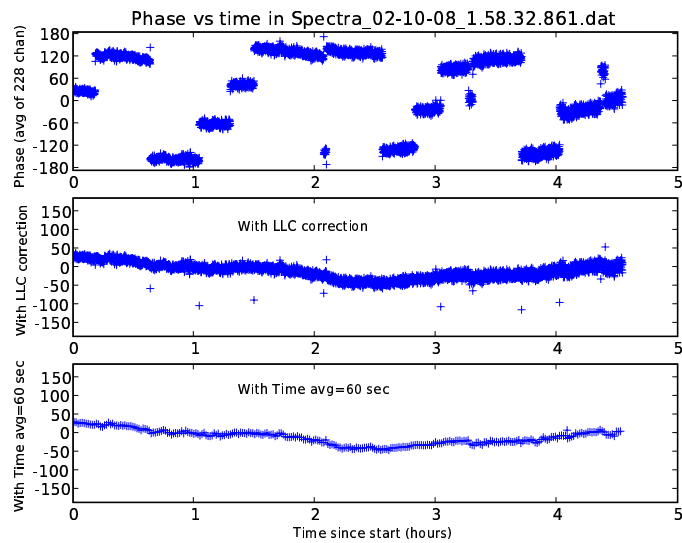


Fig. 7.— 3C84 - rmsPhase: 19.05 deg. Data used for baseline fit.

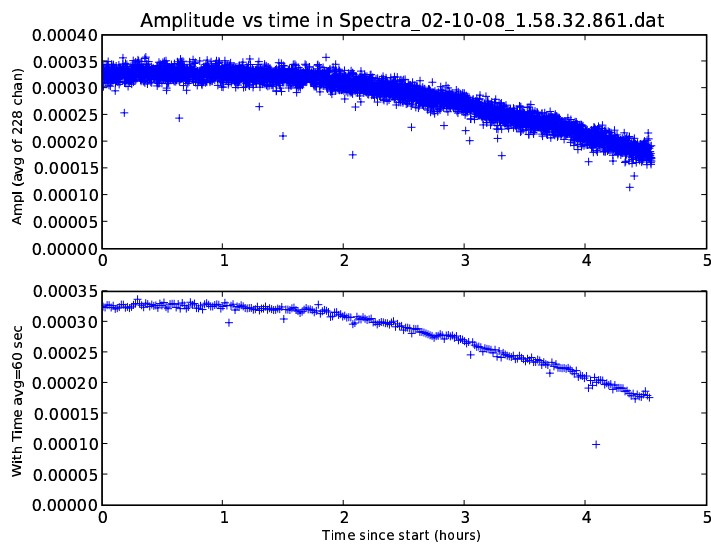


Fig. 8.— 3C84 - Average Amp:0.00028112

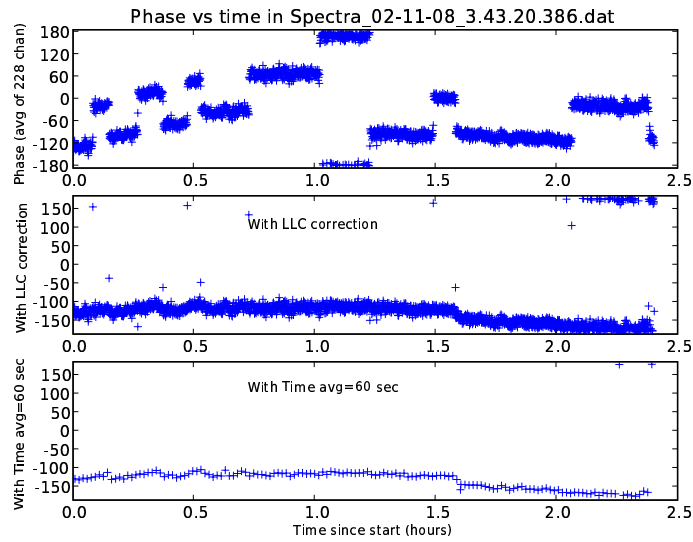


Fig. 9.— 3C279 - rmsPhase: 41.91 deg. Data using new X and Y coordinates (X9,Y9,Z6 in Darrel's notation). Phase drift/jump at 1.6 hours, could be associated to the vertex LLC reset at UTC:05:18:26. **Note: The vertex LLC resets introduce a decrease in phase, while the Alcatel LLC resets make the phase step up.**

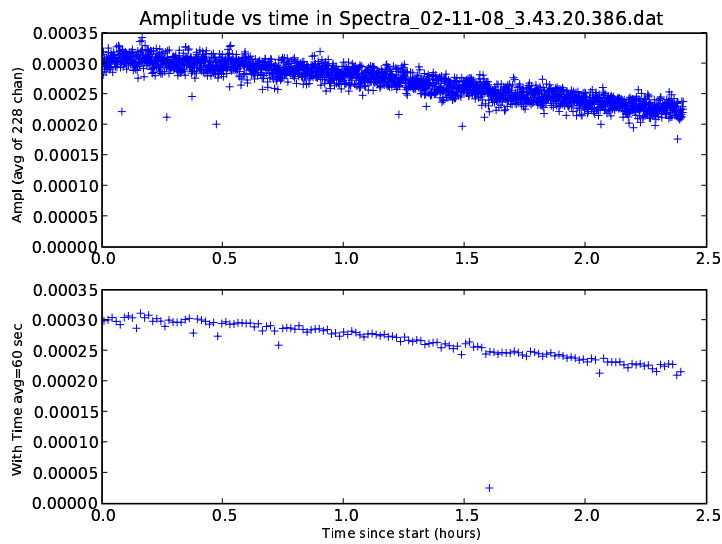


Fig. 10.— 3C279 - Average Amp: 0.000265122

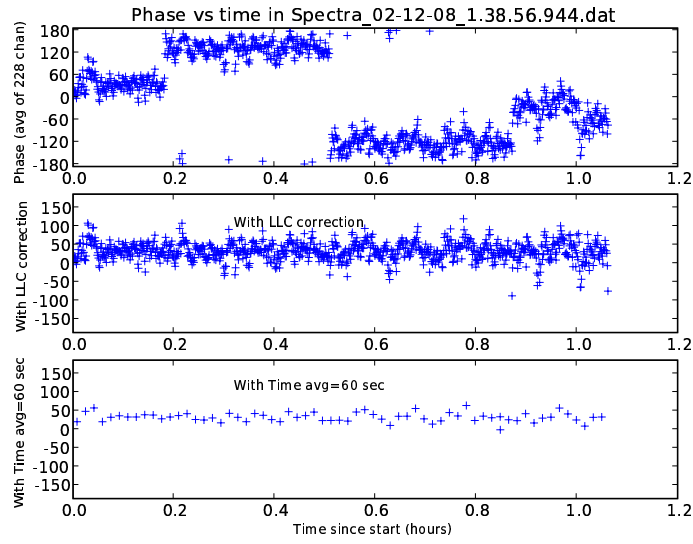


Fig. 11.— 0384 - rmsPhase: 16.89 deg . Data taken to determine Z component of the baseline (using new X and Y coordinates (X9,Y9,Z6 in Darrel's notation)).

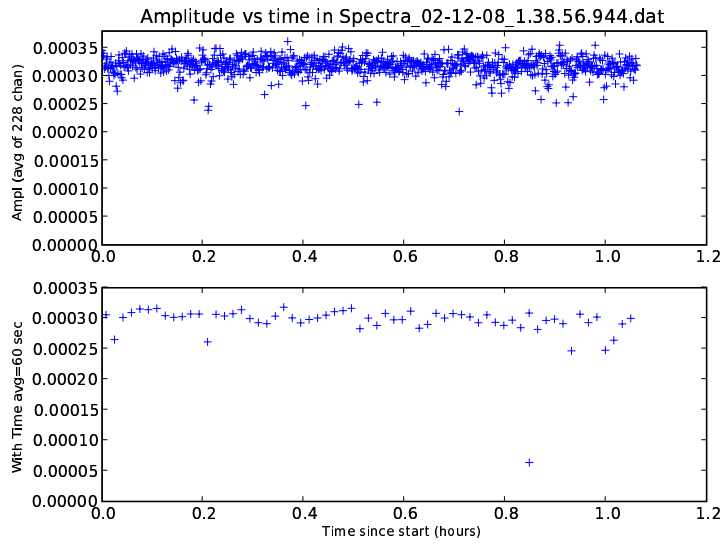


Fig. 12.— 0384 - Average Amp: 0.000155305,

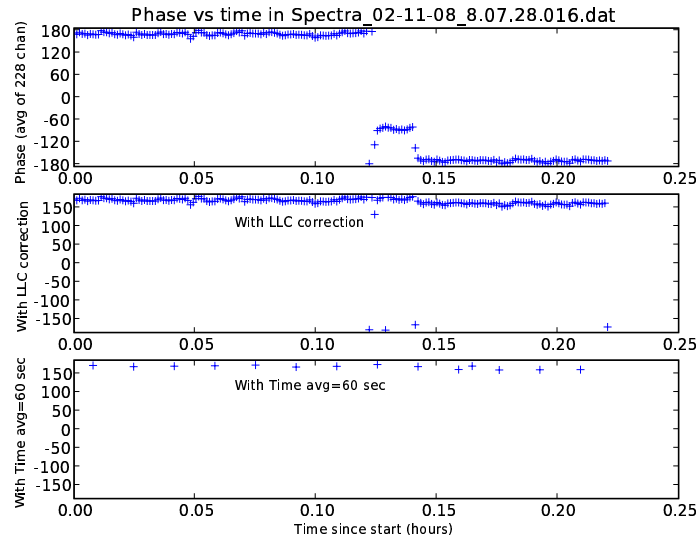


Fig. 13.— 3C273 - rmsPhase: 4.86 deg . Data taken to determine Z component of the baseline (using new X and Y coordinates (X9,Y9,Z6 in Darrel's notation).

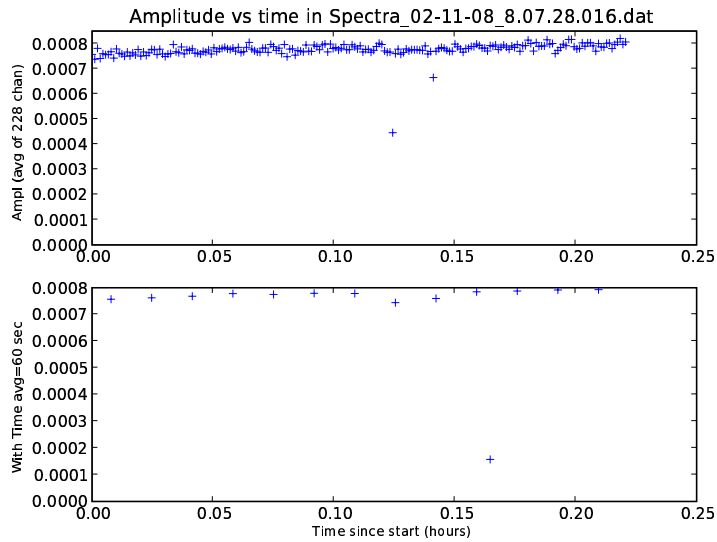


Fig. 14.— 3C273 - Average Amp: 0.000729462

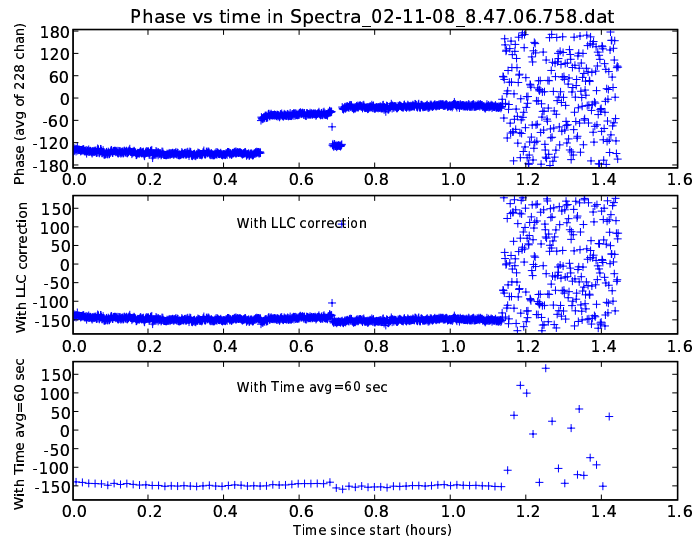


Fig. 15.— 3C279 - rmsPhase: 3.58 deg (from 0 to 1.1 hr). Phase discontinuity after Vertex LLC reset at 0.7 hr (UTC: 09:28:27). Only first half of the track used to determine Z.

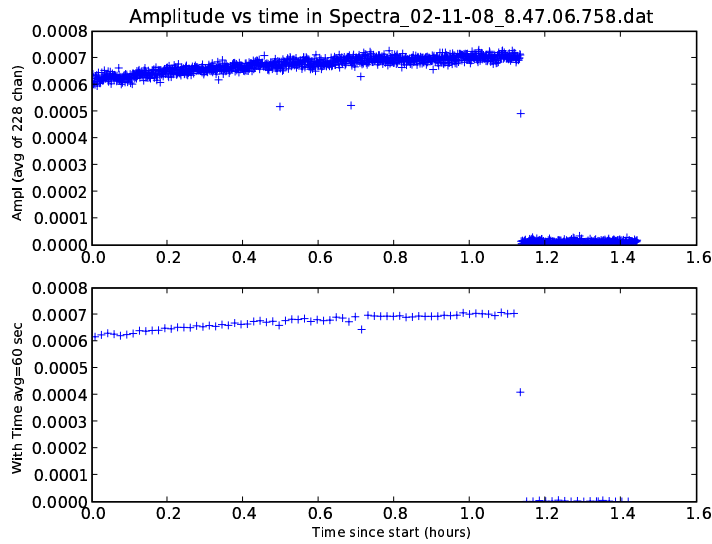


Fig. 16.— 3C279 - Average Amp:0.000529537

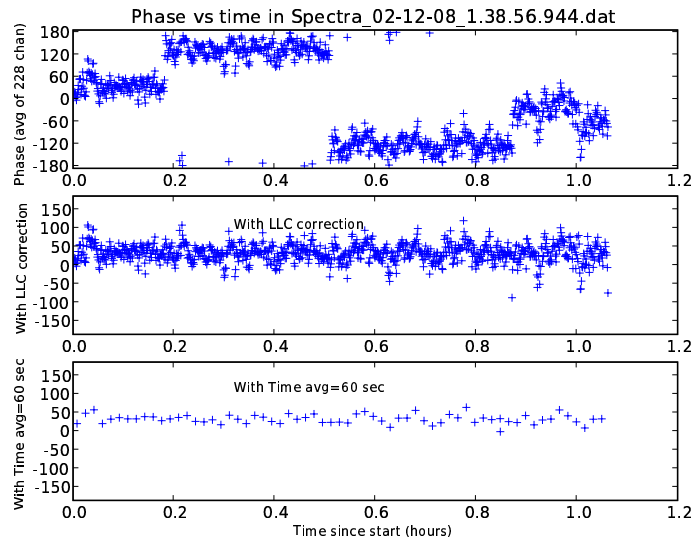


Fig. 17.— 3C84 - rmsPhase: 12.12 deg.

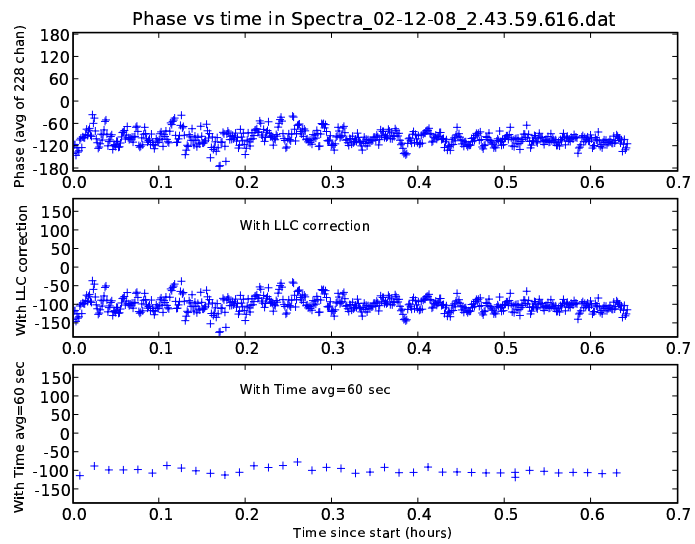


Fig. 18.— 0854 - rmsPhase: 8.59 deg.

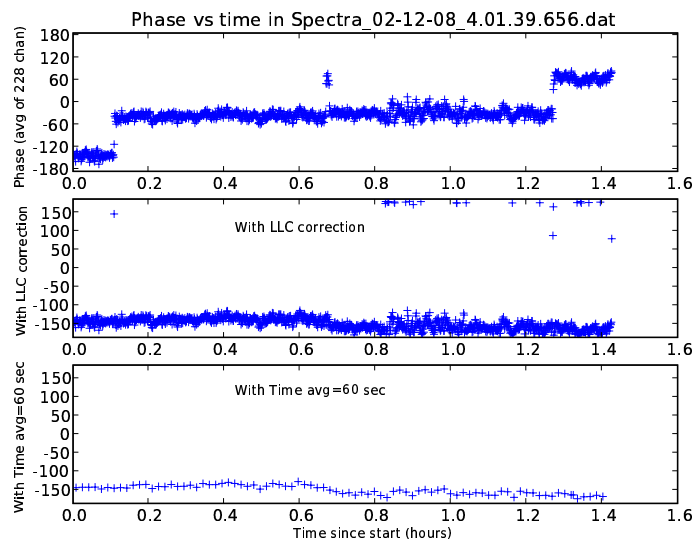


Fig. 19.— 0854 - rmsPhase: 11.77 deg. A 2 hour track on 0854. There is again evidence for a phase drift/discontinuity after a vertex LLC reset. The event happens around 0.65 hr on this plot. The VA LLC reset is not clear on the top pannel, since it happens just after an AEC reset. The AEC reset happened at 4:42:04 UTC, while the VA reset happened at 4:42:36 UTC.

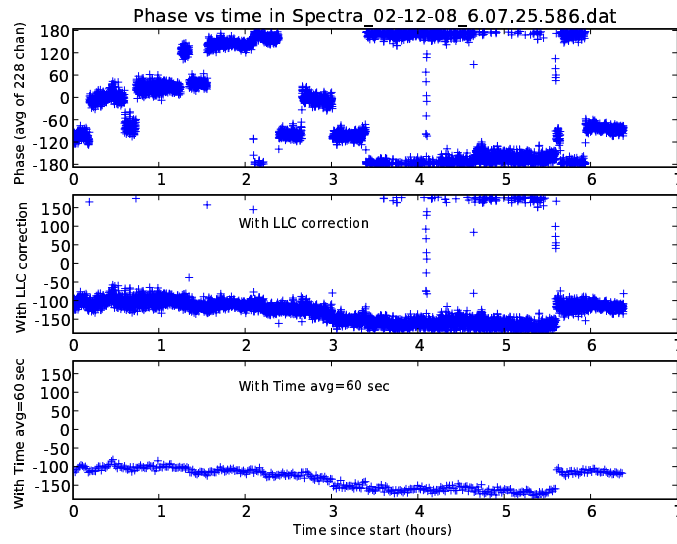


Fig. 20.— 3C273 and 3c279 - rmsPhase(3C273): 27.02 deg. A 5.5 hour track on 3C273, with switching to 3C279 at 5.5 hours. Very noisy phases, with some phase drifts

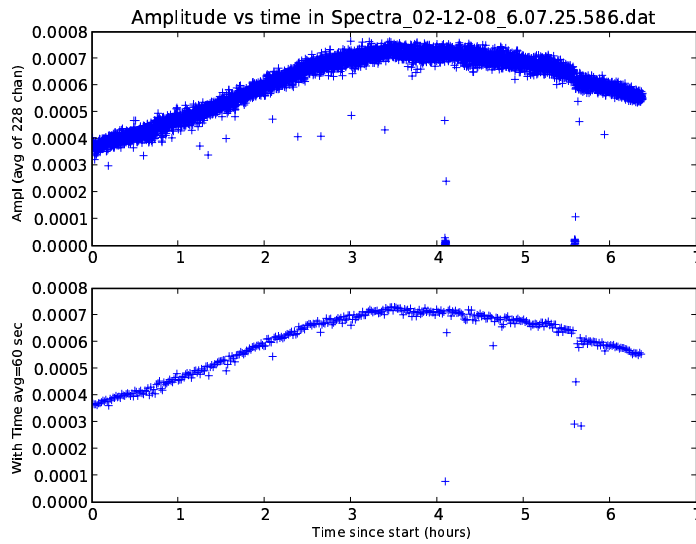


Fig. 21.— 3C273 (up to 5.5 hr) - AvgAmp(3C273): 0.000601459.