

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10928 - L2 Version 2
Chandra X-Ray Center

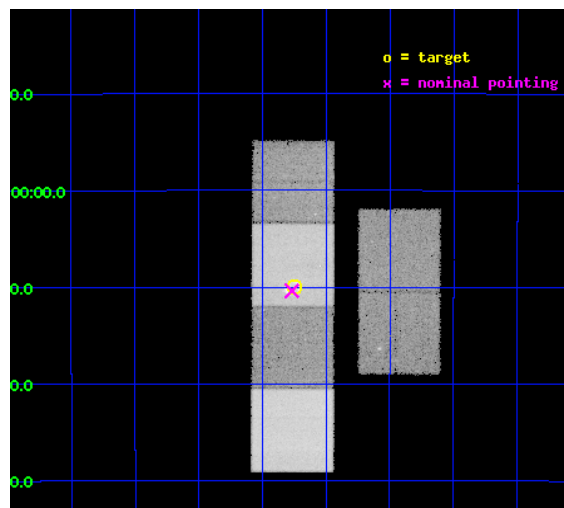
L2 Processing Date : Jun 10 2012

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1 Front

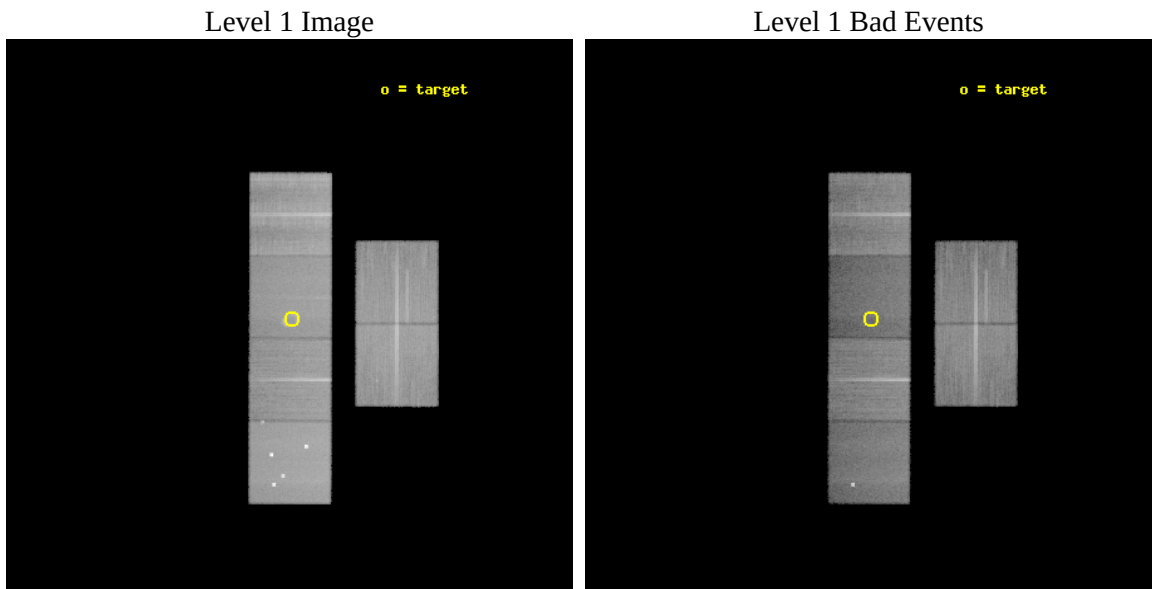
seq_num	501039	Sequence number
obs_id	10928	Observation id
title	An Extensive Study of the Youngest Galactic Supernova Remnant G1.9+0.3	Proposal title
observer	Dr. Stephen Reynolds	Principal investigator
object	G1.9+0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.1875	Observer's specified target RA [deg]
dec_targ	-27.166667	Observer's specified target Dec [deg]
ra_nom	267.19206276277	Nominal RA [deg]
dec_nom	-27.172951638583	Nominal Dec [deg]
roll_nom	270.15871433858	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35833.599866569	Sum of GTIs [s]
livetime	35379.853248655	Livetime [s]
ontime2	35820.635845125	Sum of GTIs [s]
ontime3	35830.358846188	Sum of GTIs [s]
ontime5	35833.599866569	Sum of GTIs [s]
ontime6	35830.358875871	Sum of GTIs [s]
ontime7	35833.599866569	Sum of GTIs [s]
ontime8	35830.358846366	Sum of GTIs [s]
l2events	443988	Number of level 2 events



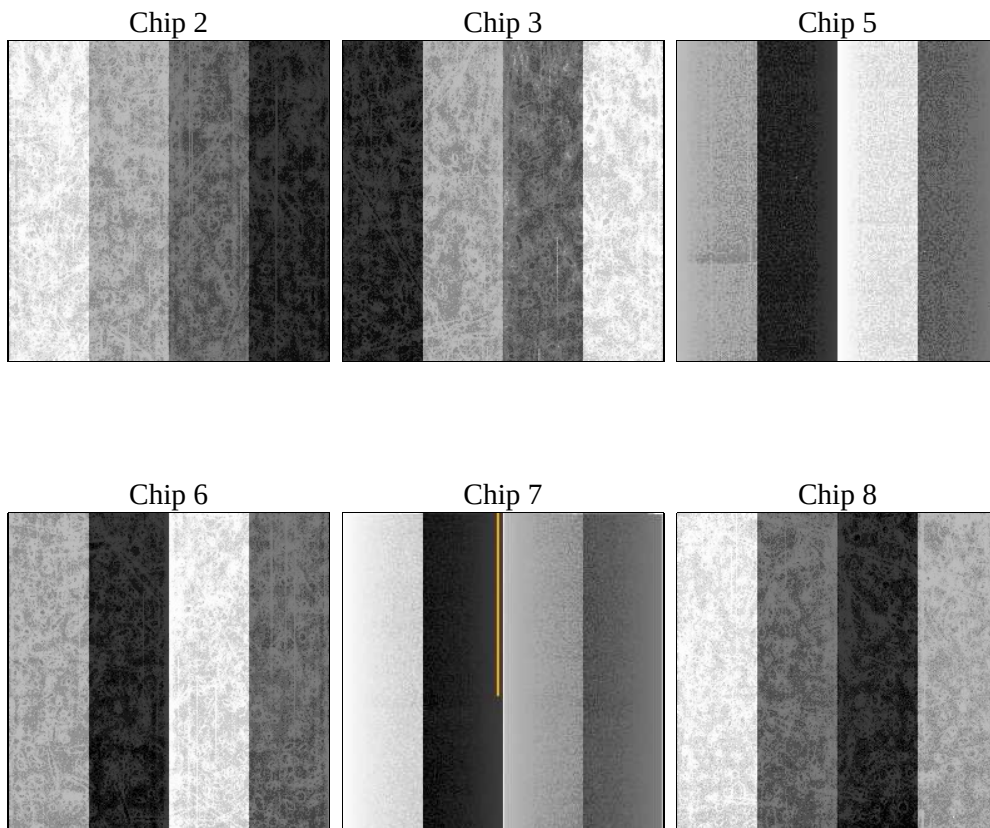
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35656.425000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35833.599866569	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	35820.635845125	Sum of GTIs [s]
date	2012-06-10T11:56:17	Date and time of file creation	ontime3	35830.358846188	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	35833.599866569	Sum of GTIs [s]
			ontime6	35830.358875871	Sum of GTIs [s]
			ontime7	35833.599866569	Sum of GTIs [s]
			ontime8	35830.358846366	Sum of GTIs [s]
			l1events	2002233	Number of level 1 events

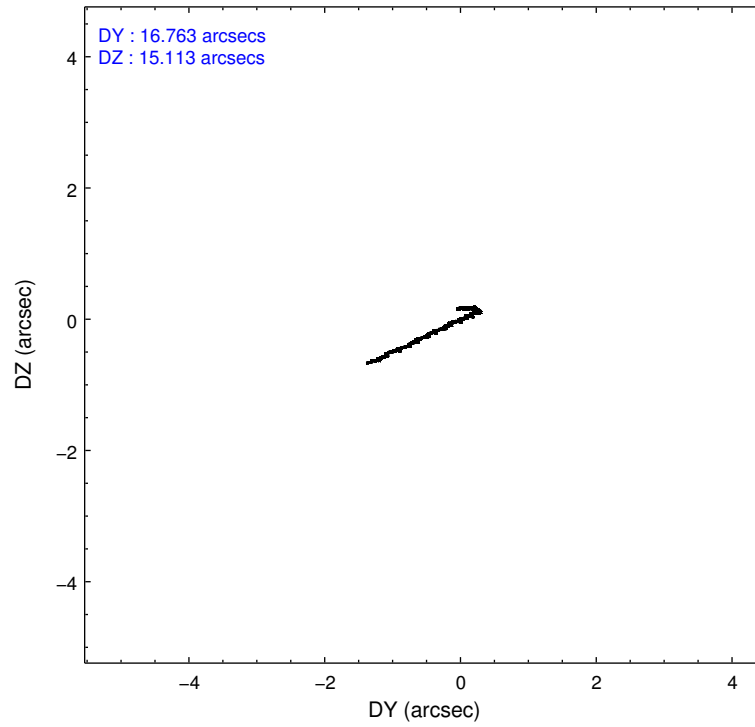
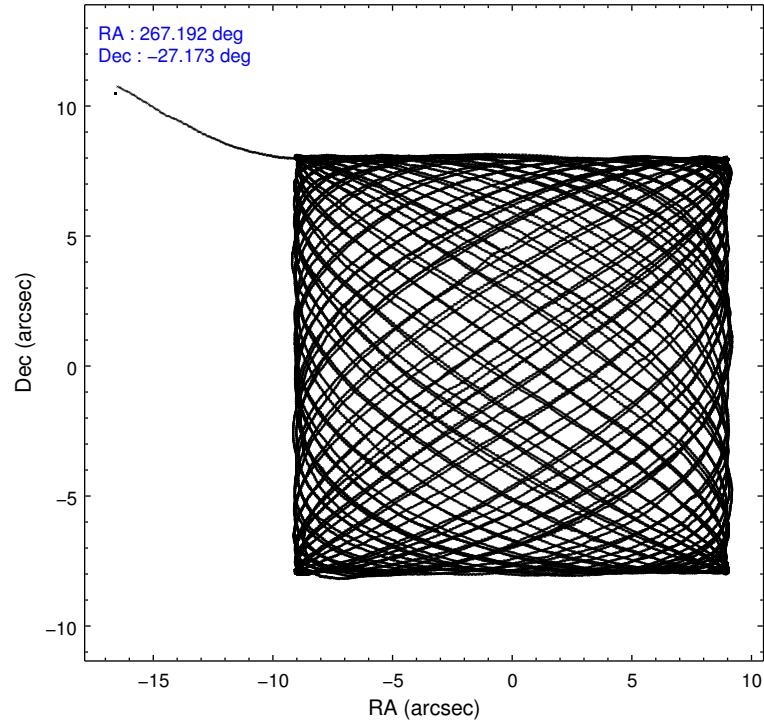
2.1.4 Events

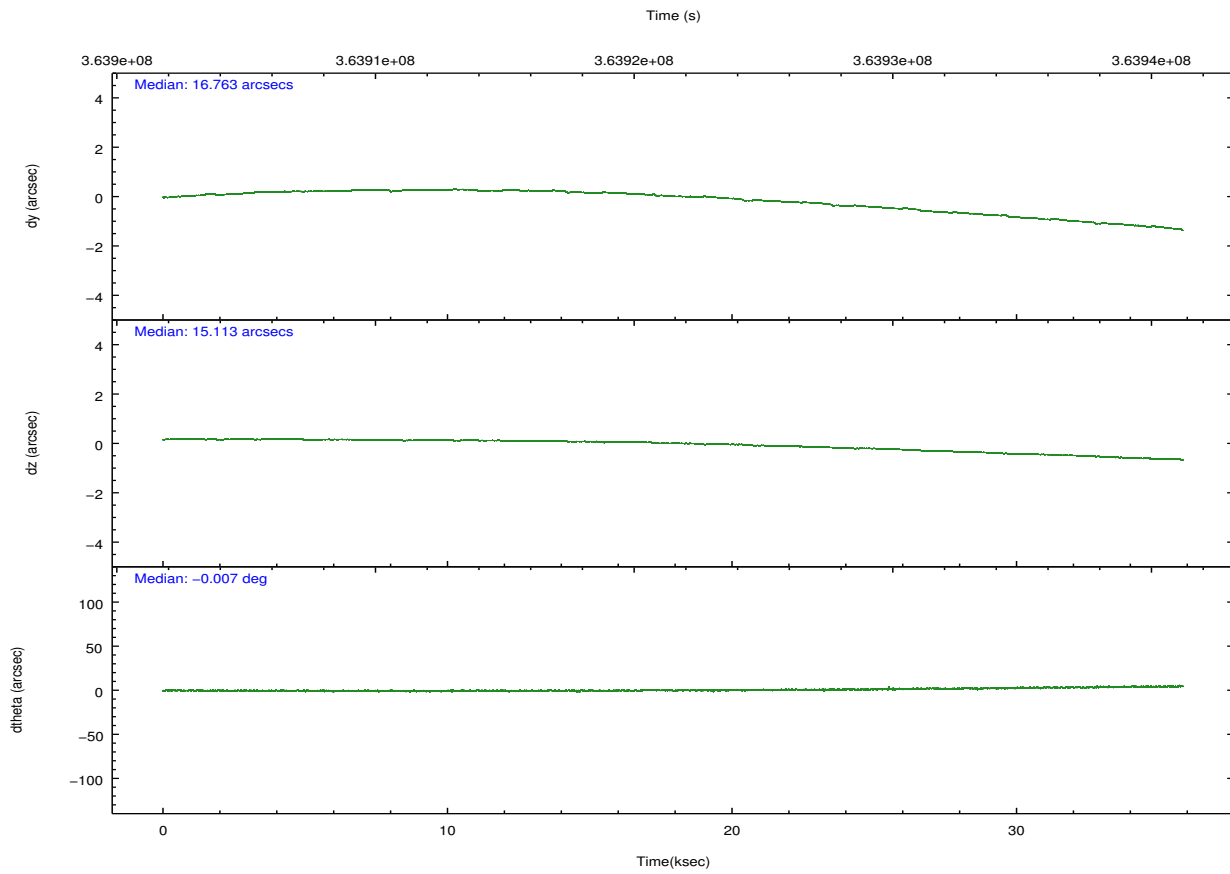
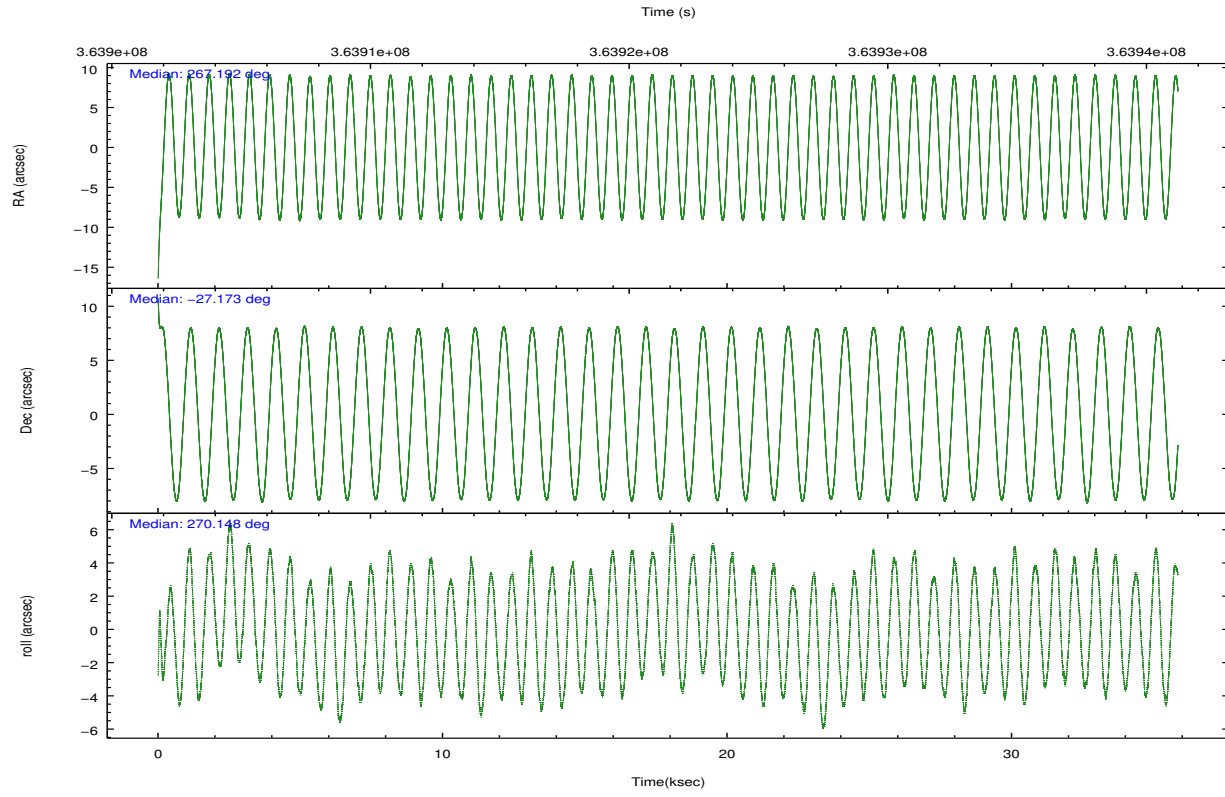
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	320305	294294	414450	298632	301232	373320	grade 0 events	12744	13314	41733	13190	16426	30294
rejected events	289386	263959	192070	266350	151819	275357		3%	4%	10%	4%	5%	8%
rejected %	90%	89%	46%	89%	50%	73%	grade 1 events	203	271	909	164	470	337
								0%	0%	0%	0%	0%	0%
							grade 2 events	7479	6546	67236	7363	33139	23690
								2%	2%	16%	2%	11%	6%
							grade 3 events	3120	3337	8725	3294	14260	10599
								0%	1%	2%	1%	4%	2%
							grade 4 events	3171	3266	8438	3279	14308	9801
								0%	1%	2%	1%	4%	2%
							grade 5 events	8659	10680	31357	10390	31059	15737
								2%	3%	7%	3%	10%	4%
							grade 6 events	5341	5436	103043	6202	75054	26262
								1%	1%	24%	2%	24%	7%
							grade 7 events	279588	251444	153009	254750	116516	256600
								87%	85%	36%	85%	38%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	267.176262	267.1920627627682	CCD I2 on	O1	Y
[deg] Pointing Dec	-27.149497	-27.17295163858282	CCD I3 on	O2	Y
[deg] Pointing Roll	269.994868	270.1587143385759	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	363903776.184000	363902243.23064	CCD S5 on	N	N
Observation start date	2009-07-13T20:21:50	2009-07-13T19:57:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	363939432.184000	363939657.78251	On-chip summing requested	N	N
Observation end date	2009-07-14T06:16:06	2009-07-14T06:20:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



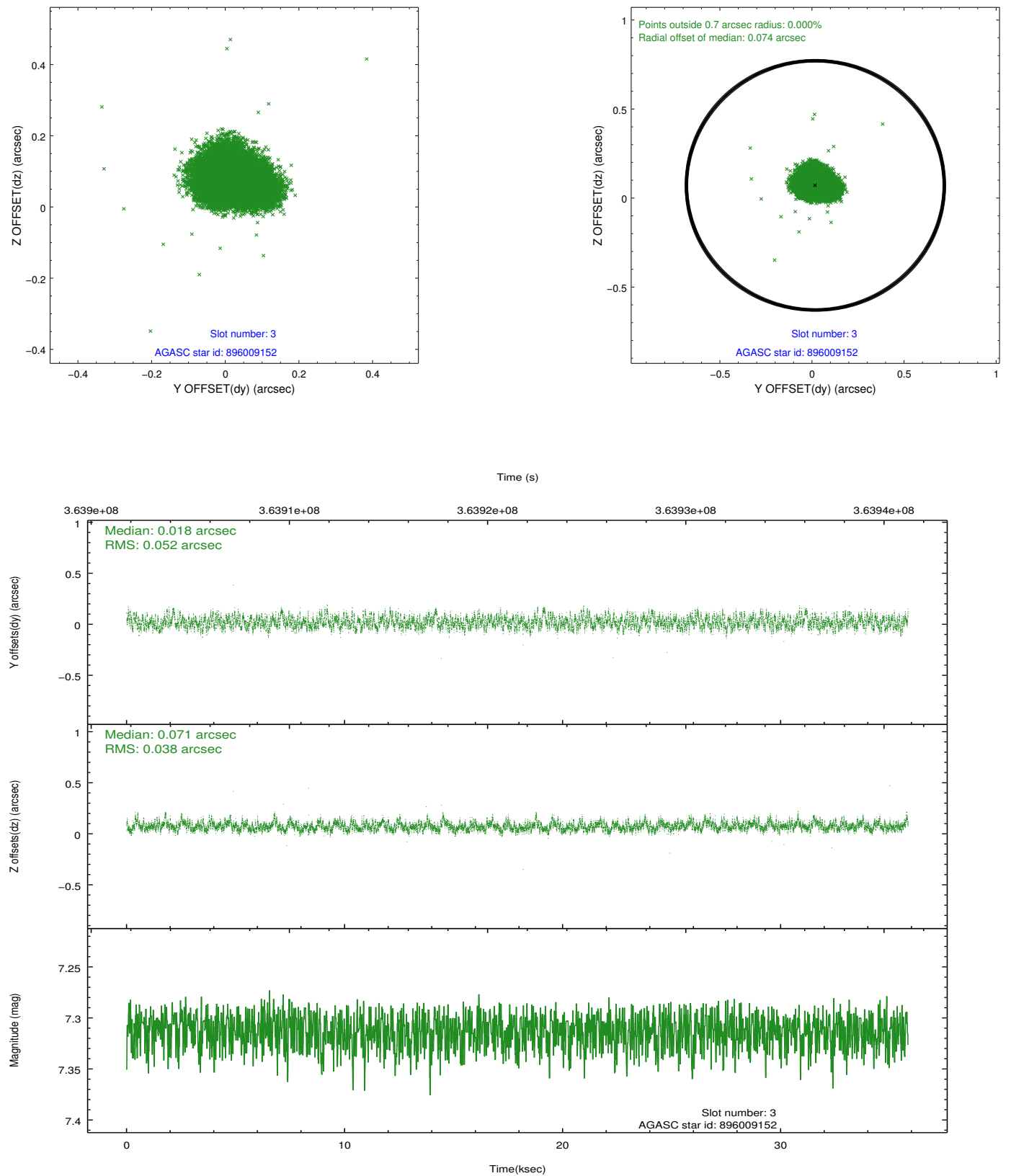


Slot Statistics

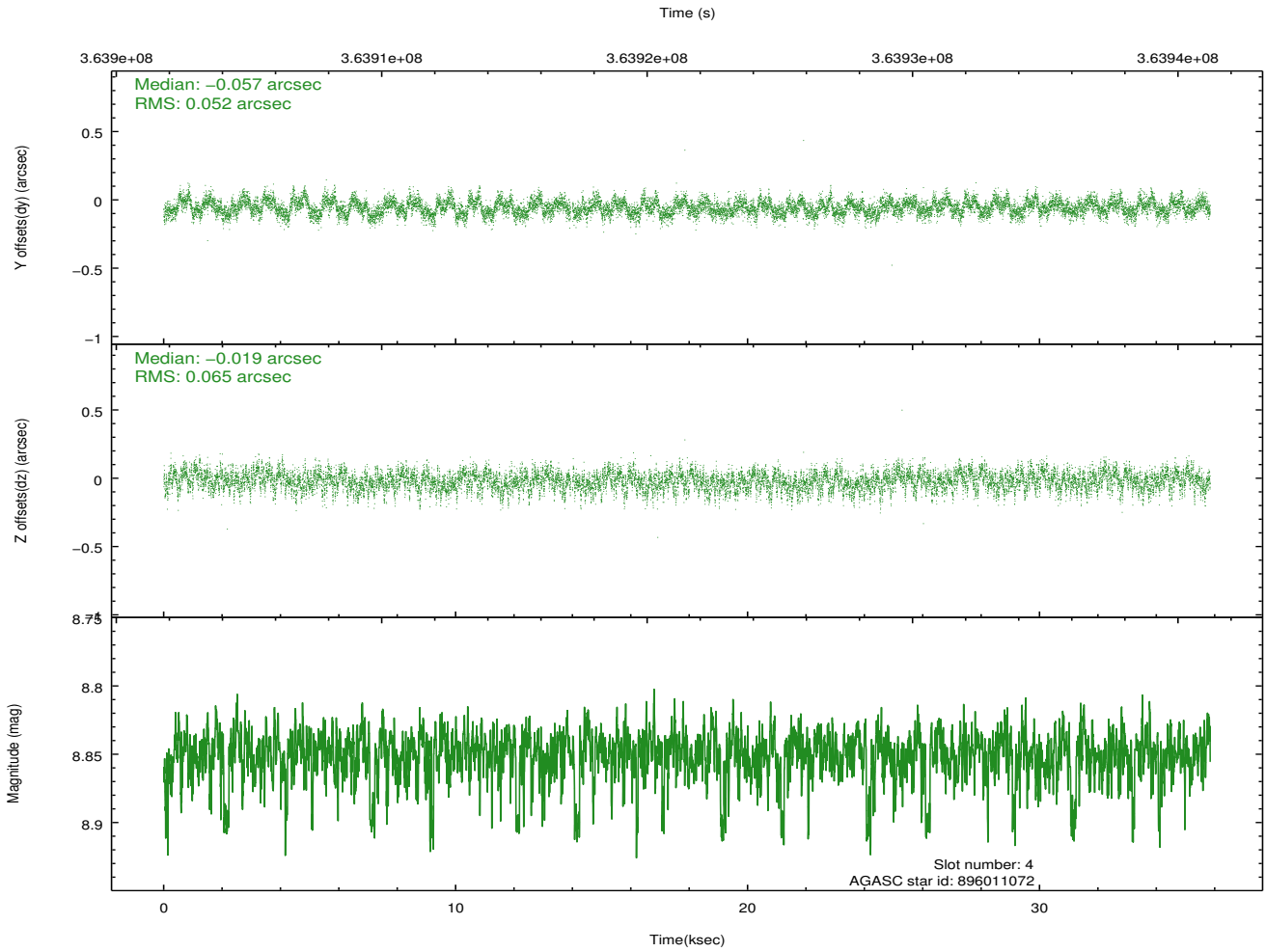
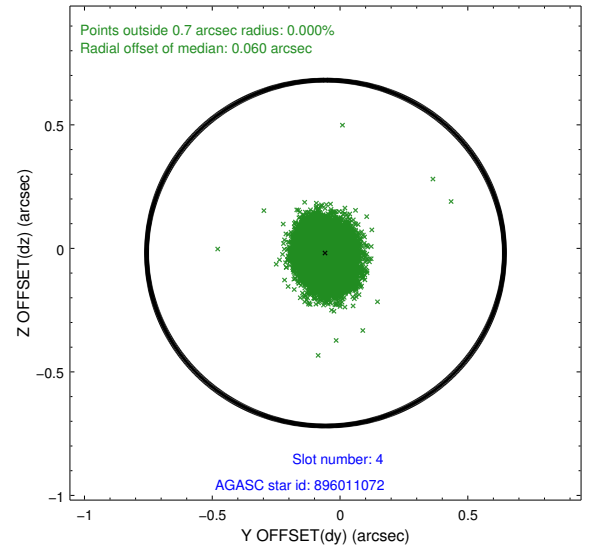
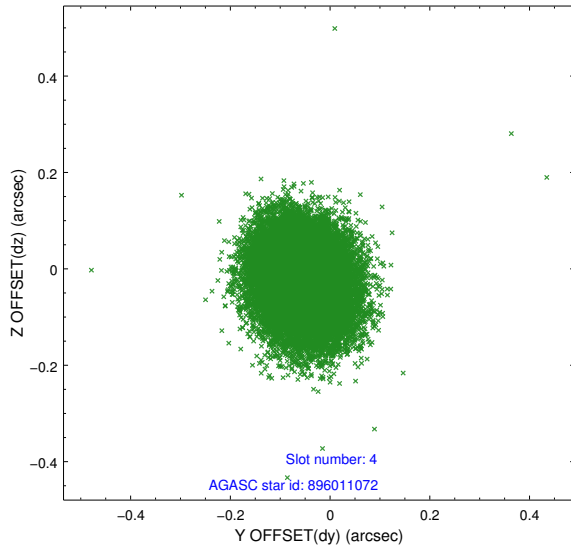
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	8741	0.068	-0.062	0.021	0.039	0.000000	0.000000	926.58	-1732.02
1	FID	ACIS-S-5	7.06	8741	-0.117	0.043	0.011	0.018	0.000000	0.000000	-1822.62	165.54
2	FID	ACIS-S-6	7.16	8742	0.024	0.030	0.017	0.036	0.000000	0.000000	392.00	809.58
3	GUIDE	896009152	7.31	17481	0.018	0.071	0.068	0.109	267.588100	-27.061669	-313.61	1320.22
4	GUIDE	896011072	8.85	17445	-0.057	-0.019	0.089	0.142	267.780553	-27.396374	894.20	1931.34
5	GUIDE	896013040	7.35	17482	-0.034	0.031	0.049	0.080	266.506589	-26.972299	-631.29	-2148.51
6	GUIDE	896014528	7.68	17480	-0.011	0.090	0.050	0.082	266.628858	-27.438607	1045.40	-1748.63
7	GUIDE	897717296	8.26	17477	0.080	-0.176	0.071	0.111	267.921819	-26.875322	-980.16	2393.69

2.4 Star Slots

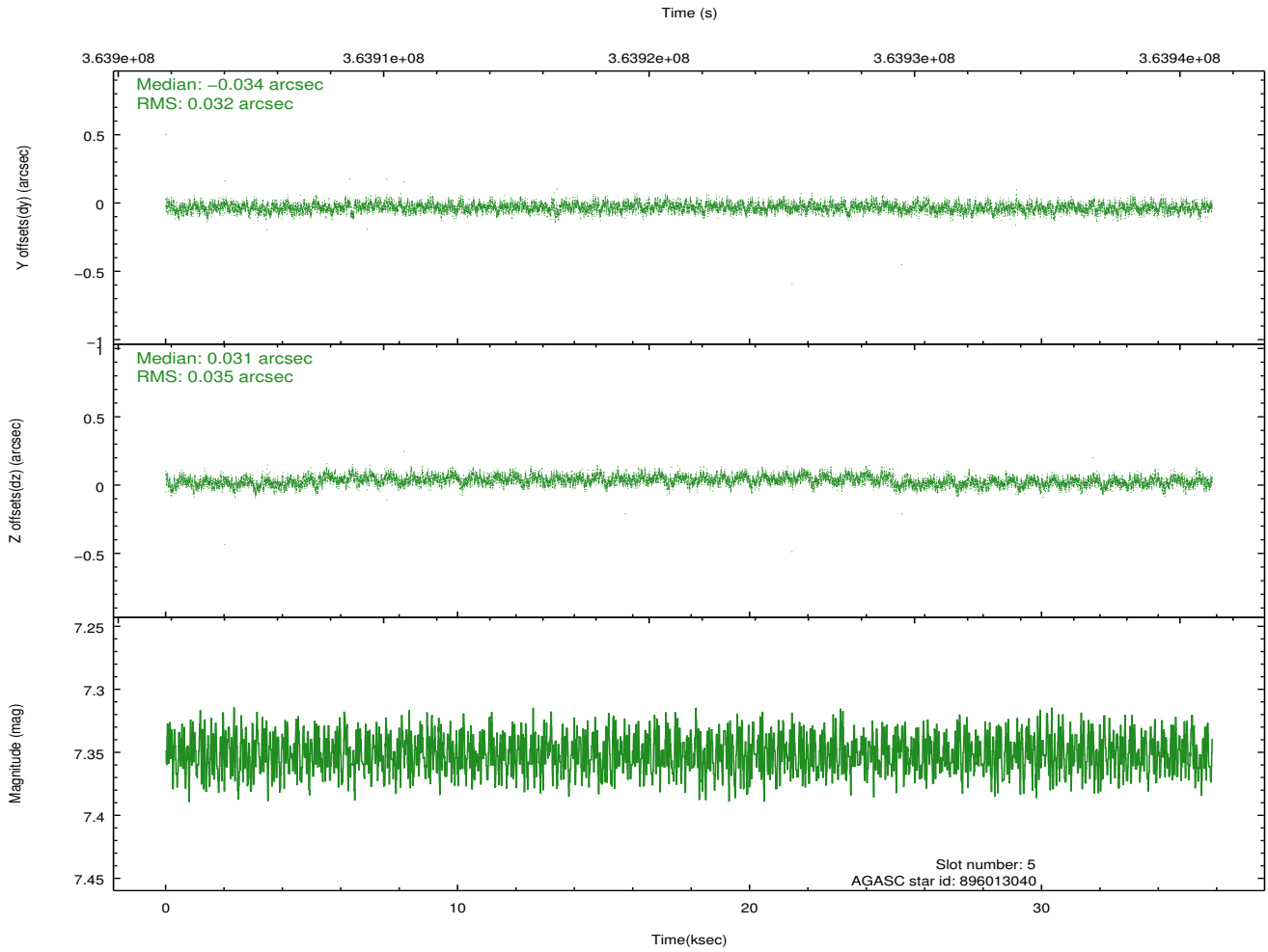
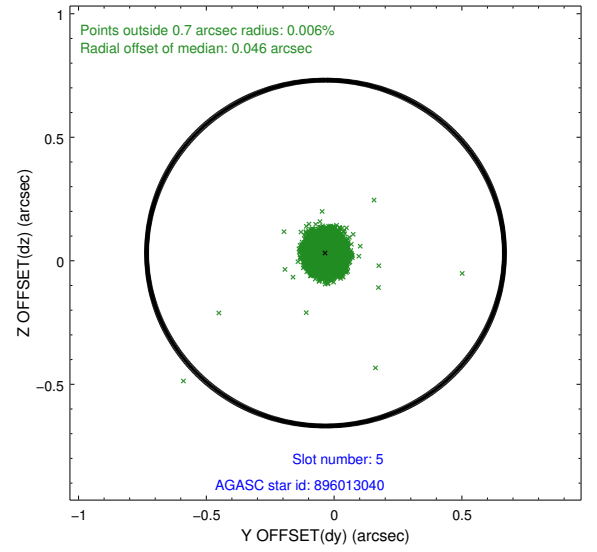
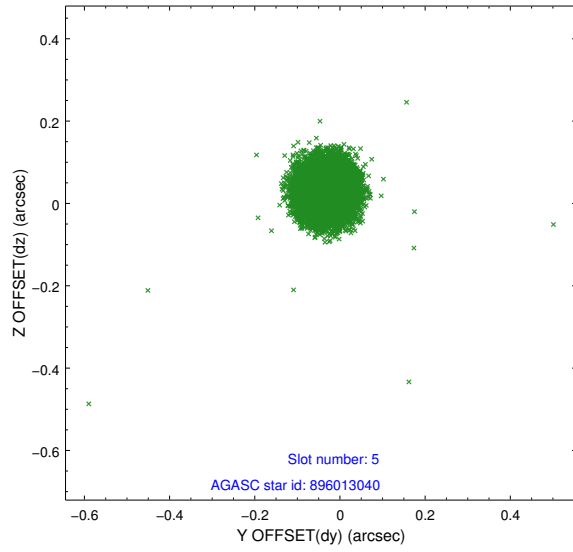
2.4.1 Slot 3



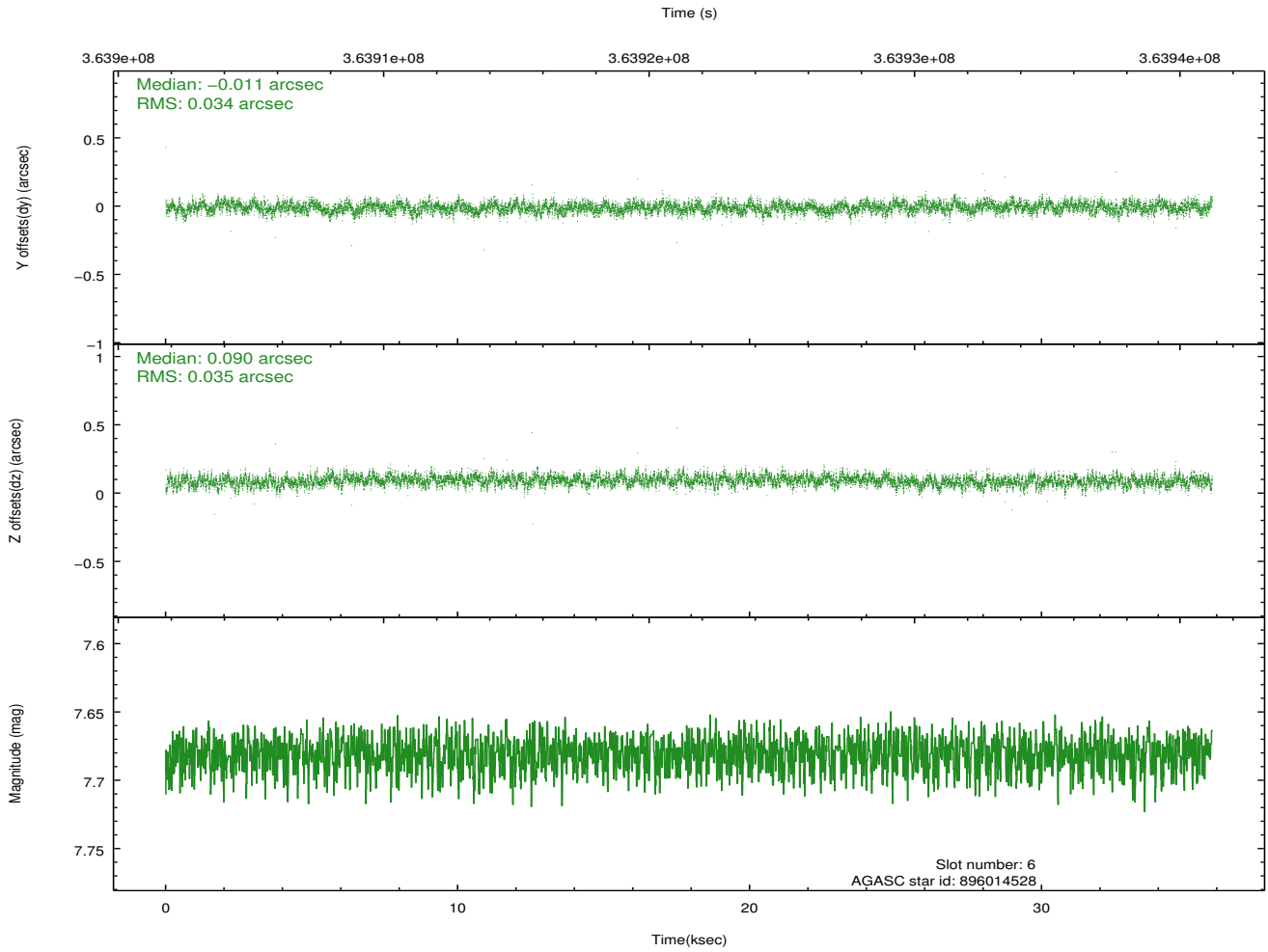
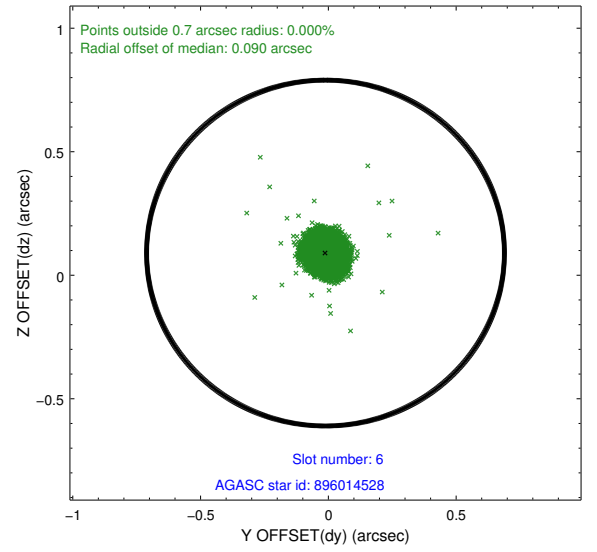
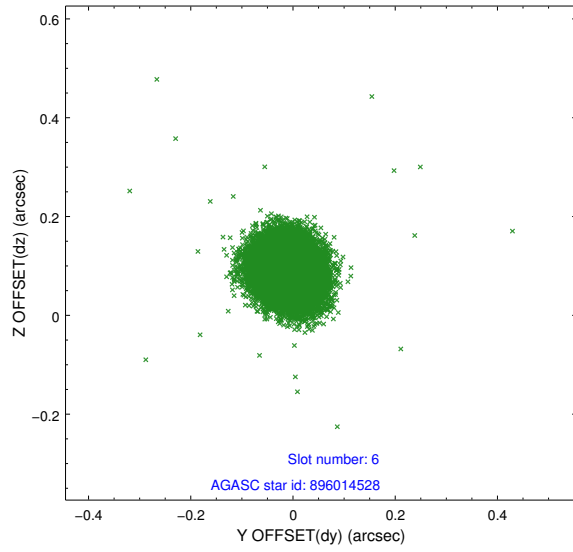
2.4.2 Slot 4



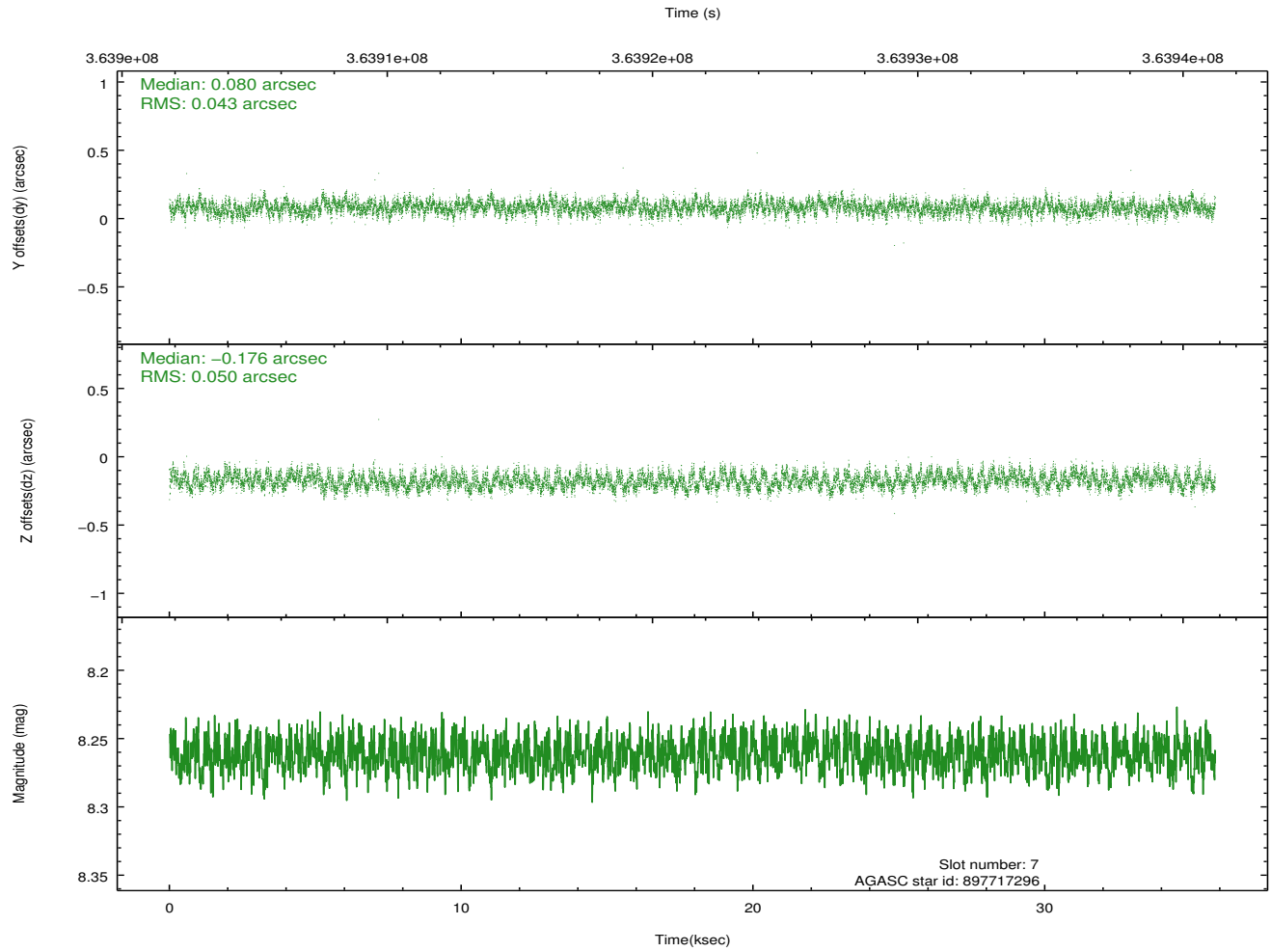
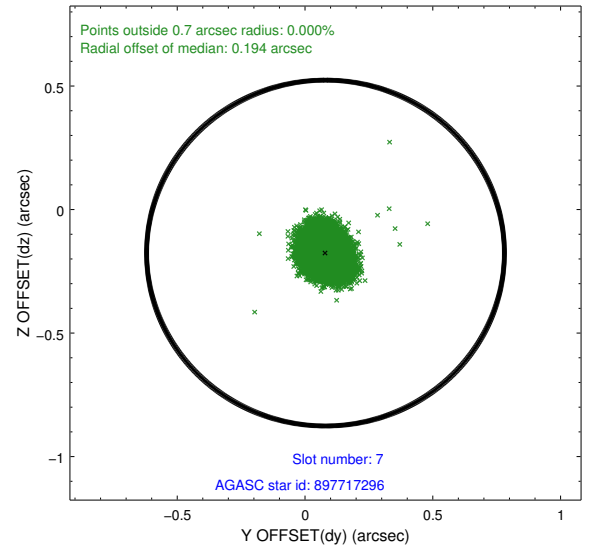
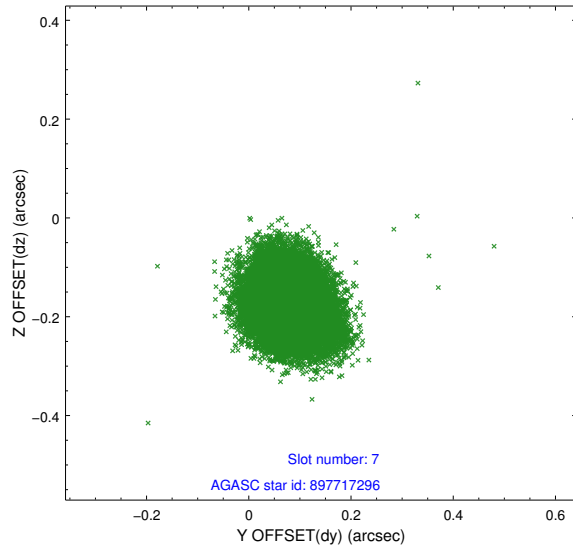
2.4.3 Slot 5



2.4.4 Slot 6

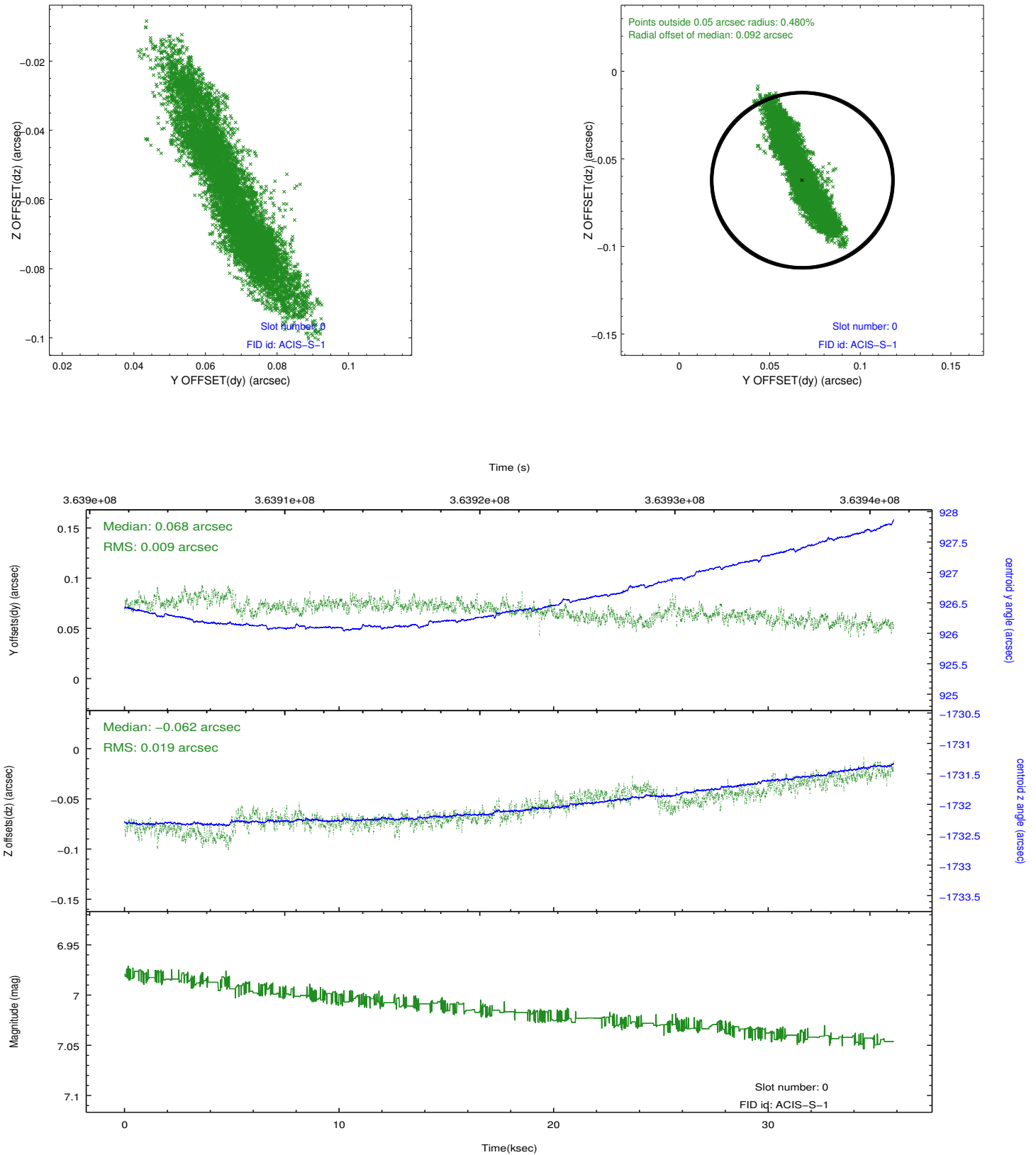


2.4.5 Slot 7

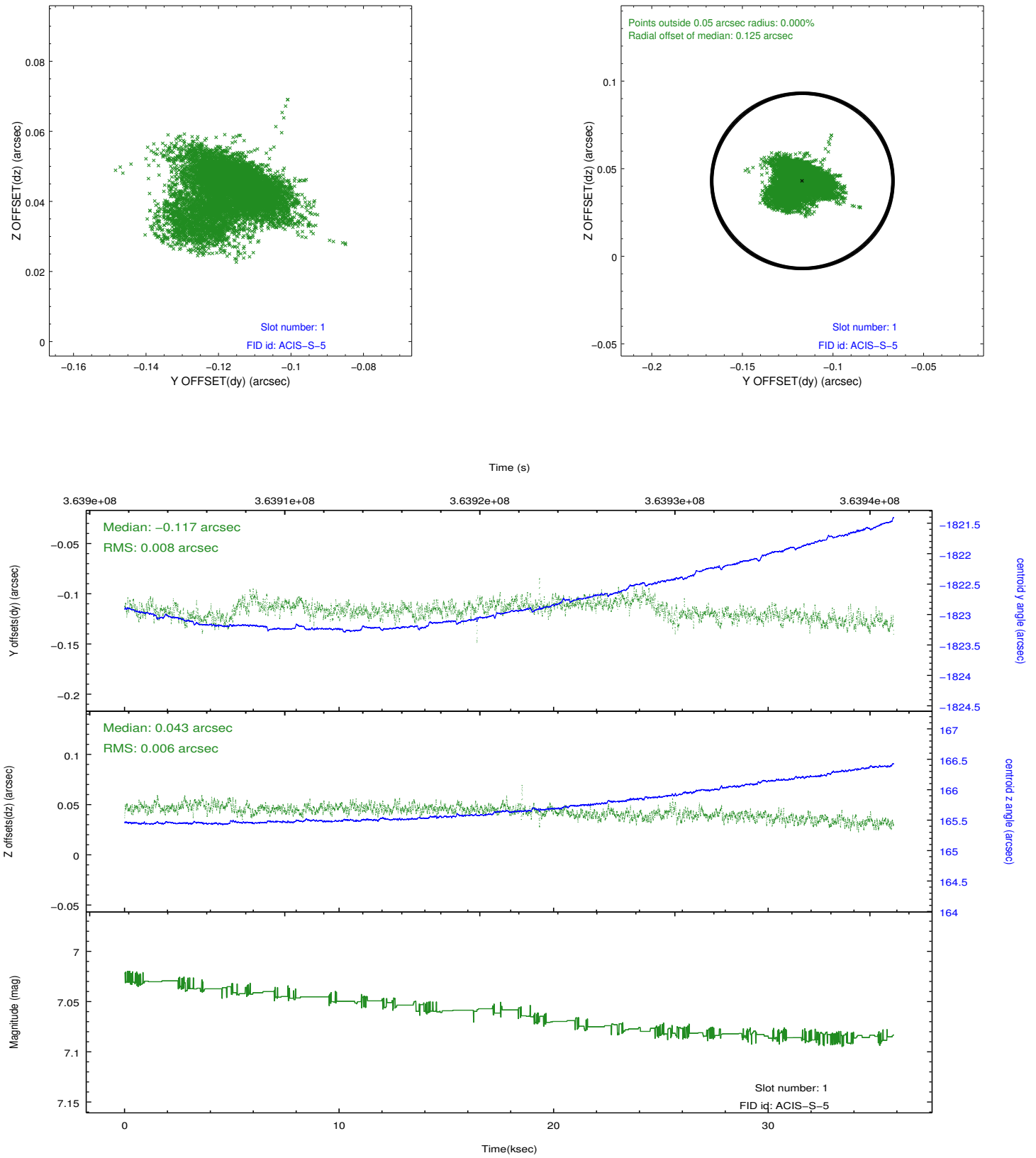


2.5 FID Slots

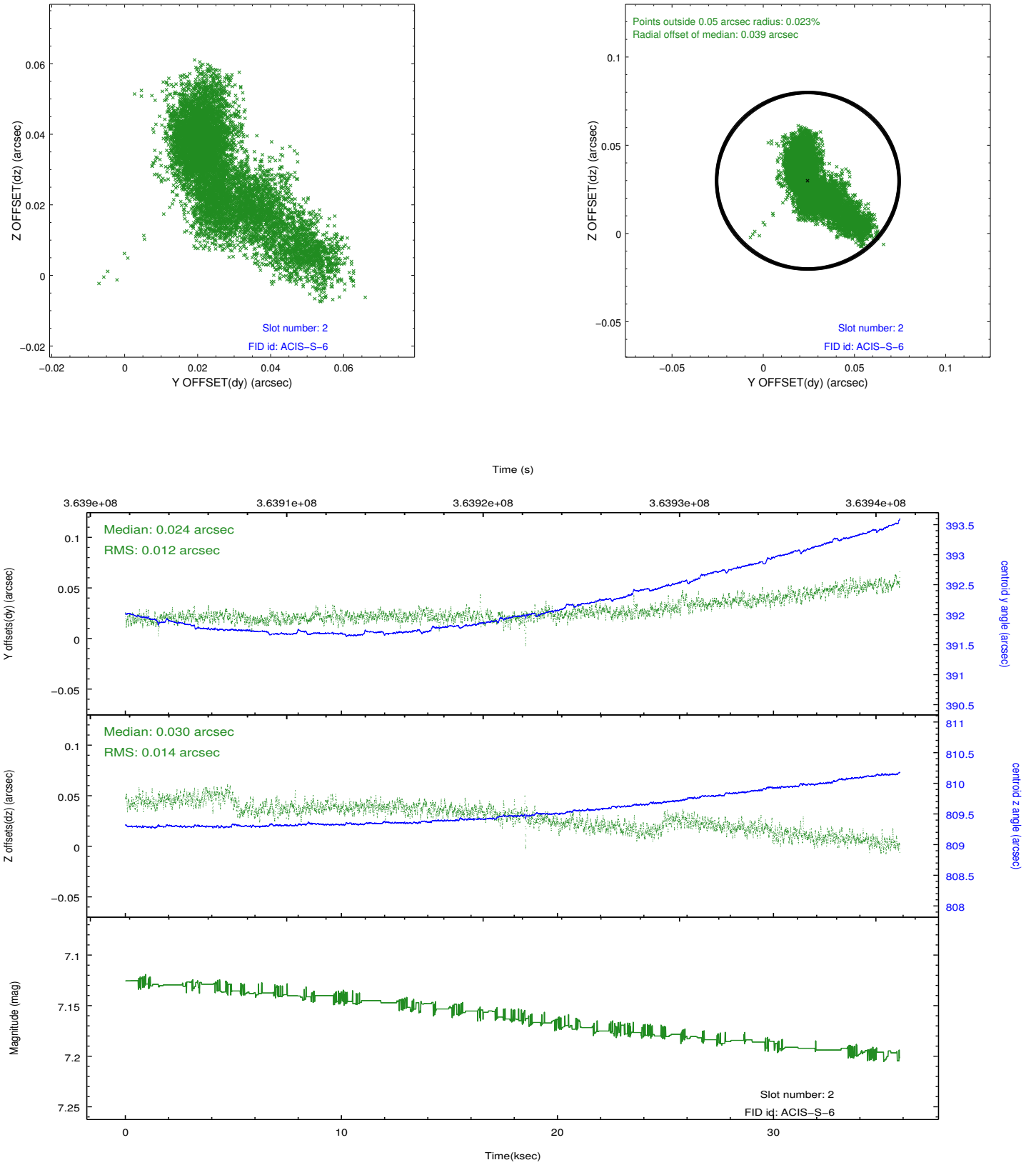
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.8335998

A.2 Comments