

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6736 - L2 Version 3
Chandra X-Ray Center

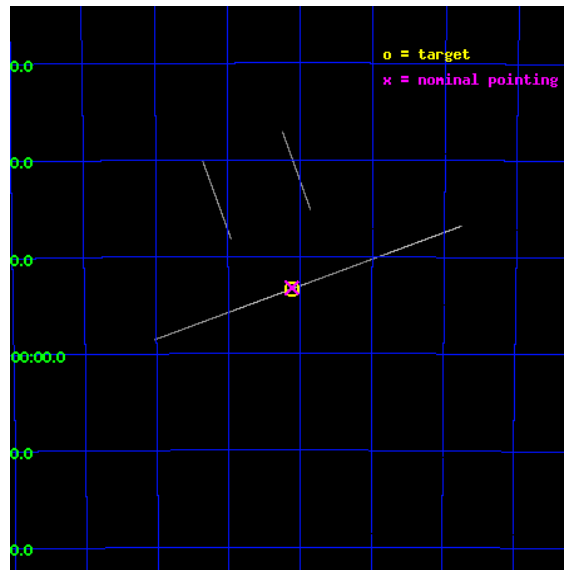
L2 Processing Date : Apr 10 2012

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1 Front

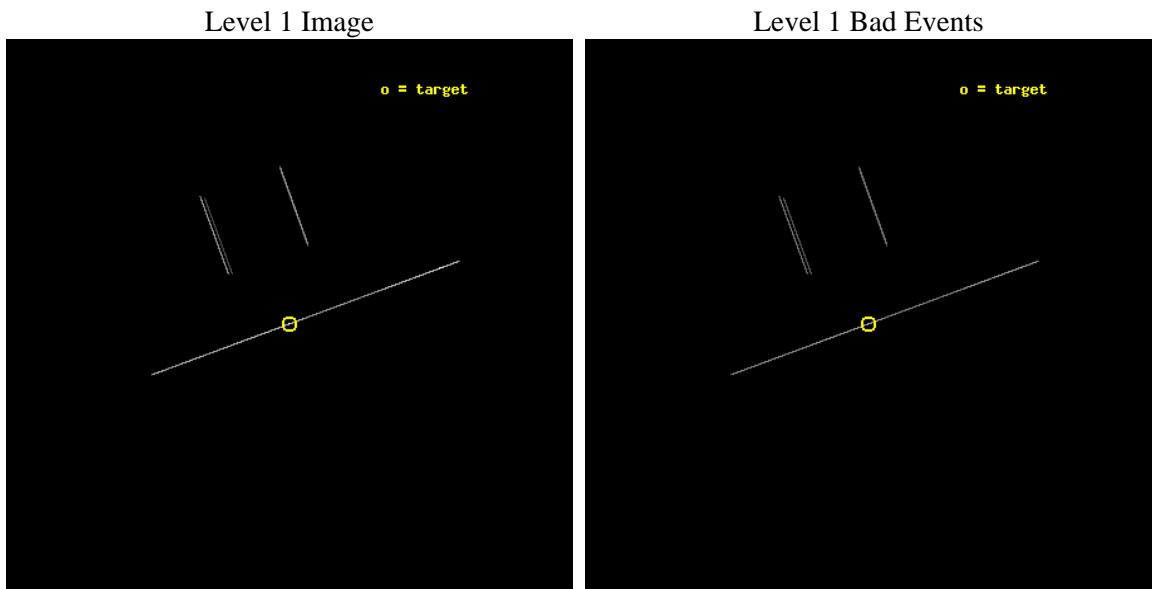
seq_num	500683	Sequence number
obs_id	6736	Observation id
title	THE X-RAY SPECTRAL AND OPTICAL/IR FLUX VARIABILITY IN MAGNETARS	Pr
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1048.1-5937	Source name
ra_targ	162.529583	Observer's specified target RA [deg]
dec_targ	-59.889278	Observer's specified target Dec [deg]
ra_nom	162.5283979528	Nominal RA [deg]
dec_nom	-59.887293145506	Nominal Dec [deg]
roll_nom	159.88162448286	Nominal Roll [deg]
revision	3	Processing version of data
ontime	22108.0	Sum of GTIs [s]
livetime	22021.640625	Livetime [s]
ontime2	22096.323320031	Sum of GTIs [s]
ontime3	22108.0	Sum of GTIs [s]
ontime5	22108.0	Sum of GTIs [s]
ontime6	22108.0	Sum of GTIs [s]
ontime7	22108.0	Sum of GTIs [s]
ontime8	22108.0	Sum of GTIs [s]
l2events	396339	Number of level 2 events



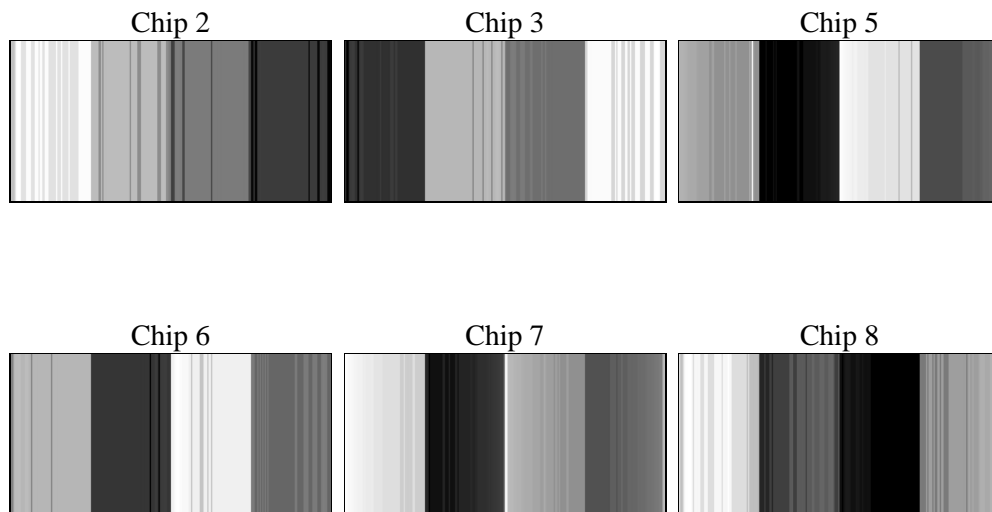
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	22108.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	22096.323320031	Sum of GTIs [s]
date	2012-04-10T14:57:24	Date and time of file creation	ontime3	22108.0	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	22108.0	Sum of GTIs [s]
			ontime6	22108.0	Sum of GTIs [s]
			ontime7	22108.0	Sum of GTIs [s]
			ontime8	22108.0	Sum of GTIs [s]
			l1events	636877	Number of level 1 events

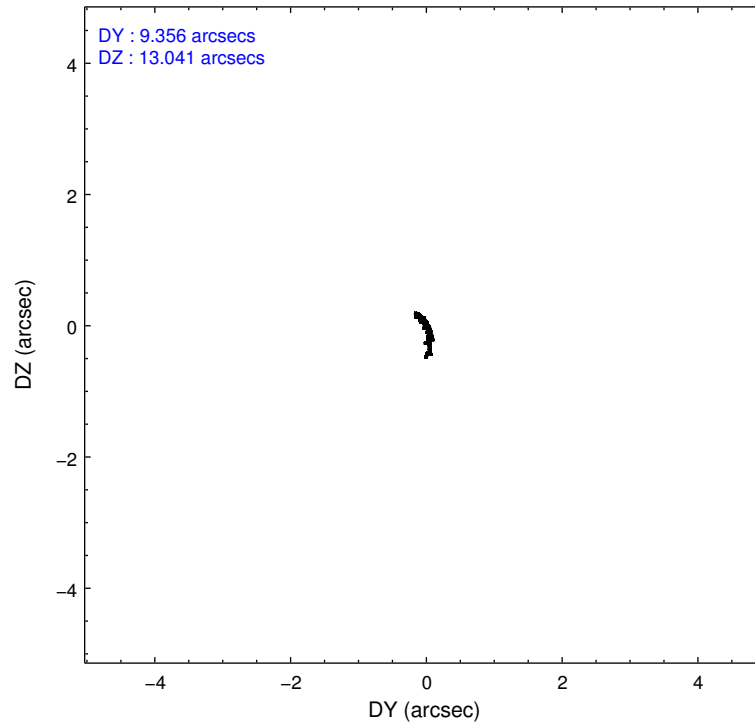
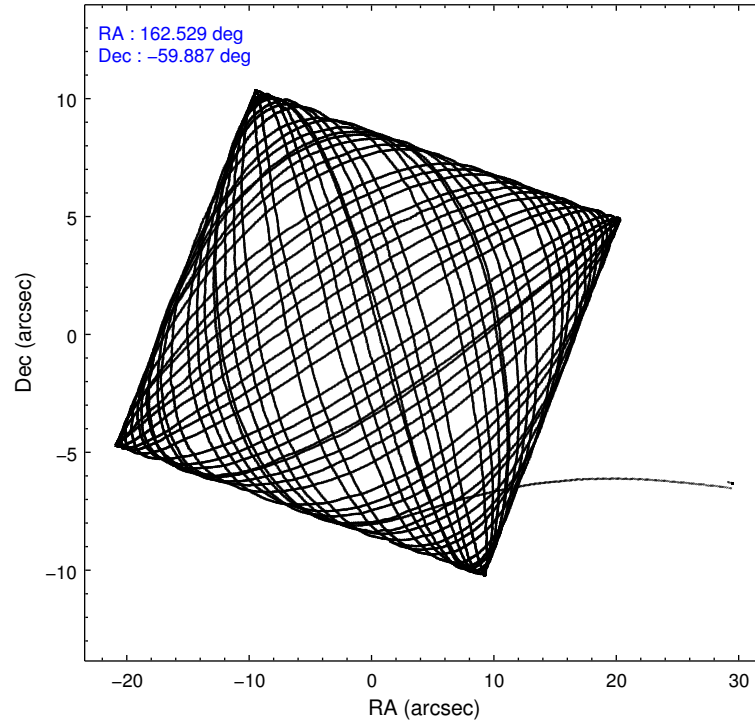
2.1.4 Events

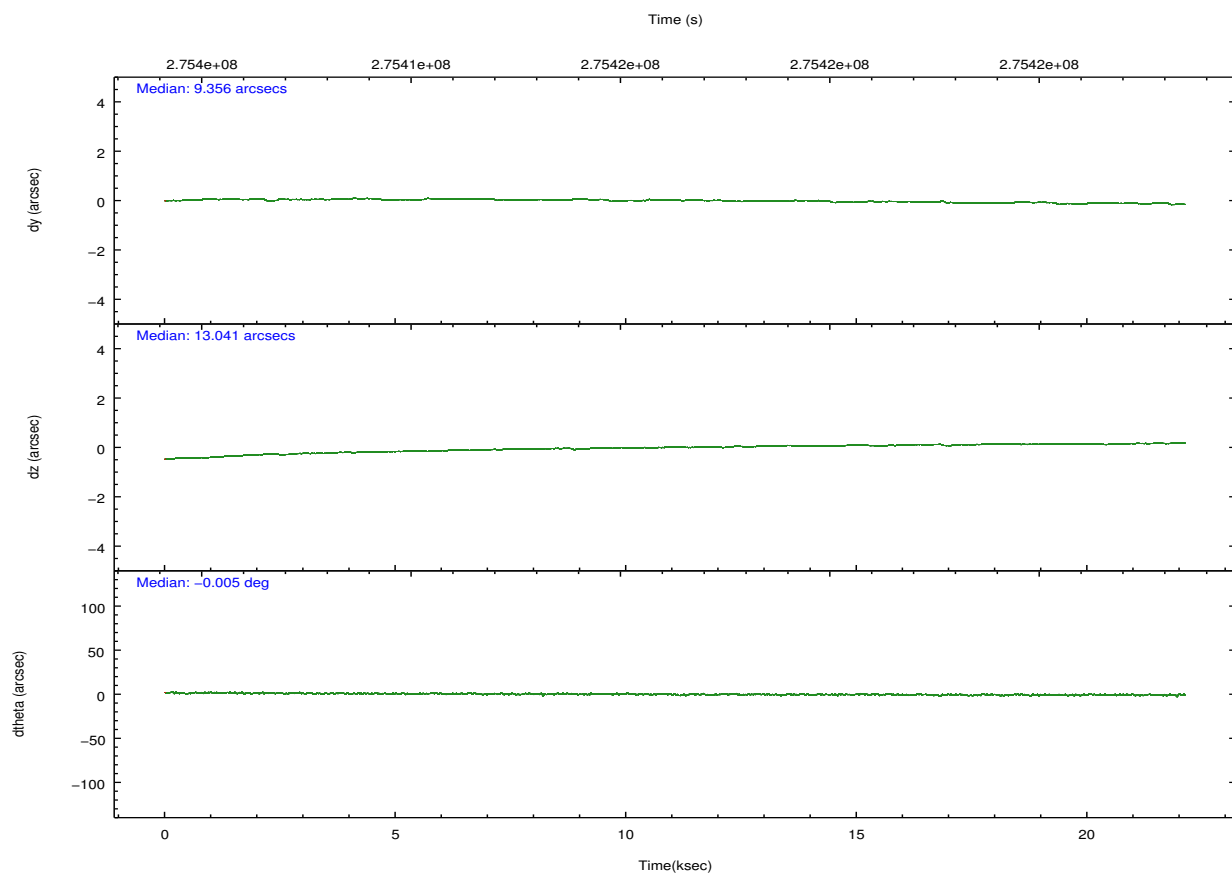
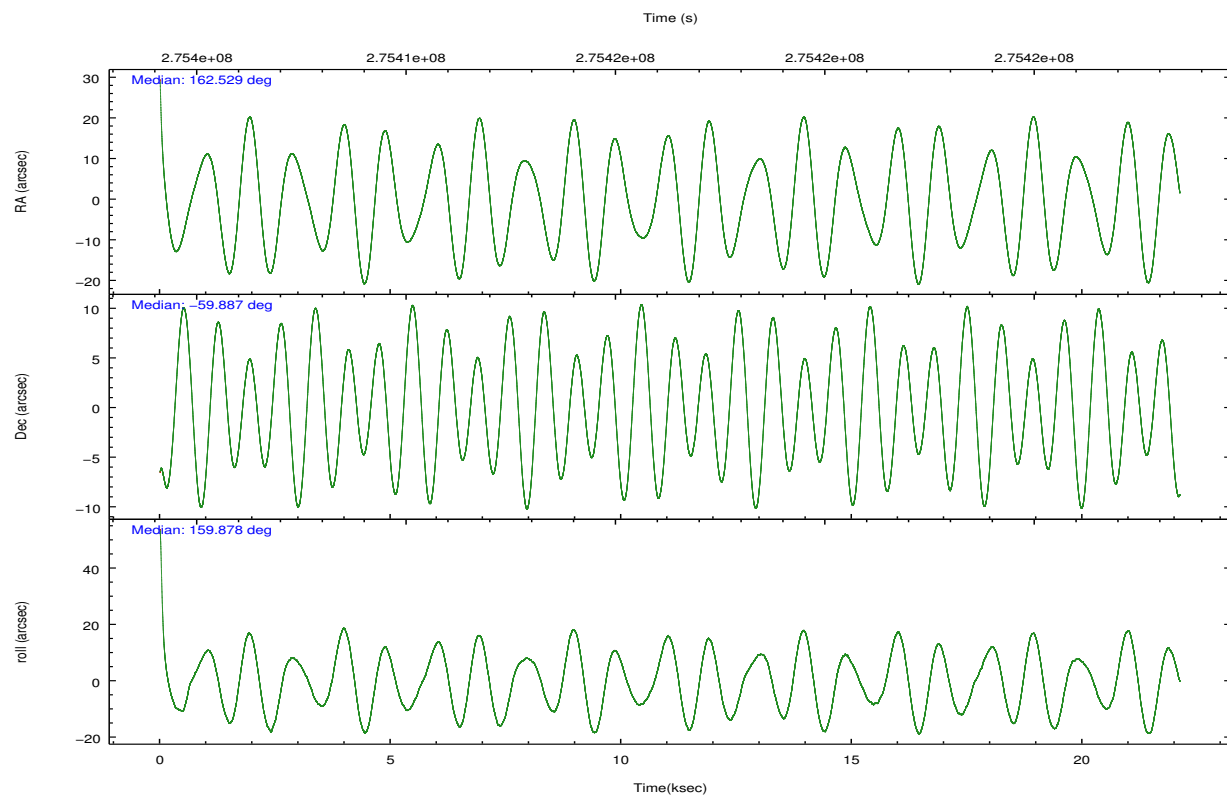
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	44816	48619	228293	49414	164702	101033	grade 0 events	5568	5617	51834	4944	14951	17657
rejected events	10563	11974	33957	12620	32357	19462		12%	11%	22%	10%	9%	17%
rejected %	23%	24%	14%	25%	19%	19%	grade 1 events	186	179	349	194	386	385
								0%	0%	0%	0%	0%	0%
							grade 2 events	13904	14914	59190	15323	36349	27294
								31%	30%	25%	31%	22%	27%
							grade 3 events	4820	5473	4344	5156	10109	9966
								10%	11%	1%	10%	6%	9%
							grade 4 events	4885	4827	4145	4801	10158	9422
								10%	9%	1%	9%	6%	9%
							grade 5 events	7980	9197	19710	9571	24012	13500
								17%	18%	8%	19%	14%	13%
							grade 6 events	7473	8412	88721	9425	68737	22809
								16%	17%	38%	19%	41%	22%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	162.581744	162.5283979528006	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.882226	-59.88729314550593	Alternating exposures requested	N	N
[deg] Pointing Roll	159.771132	159.8816244828618	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	275405375.184000	275403702.77435			
Observation start date	2006-09-23T13:28:30	2006-09-23T13:01:42			
[s] Observation end time (MET)	275427375.184000	275427883.55048			
Observation end date	2006-09-23T19:35:10	2006-09-23T19:44:43			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



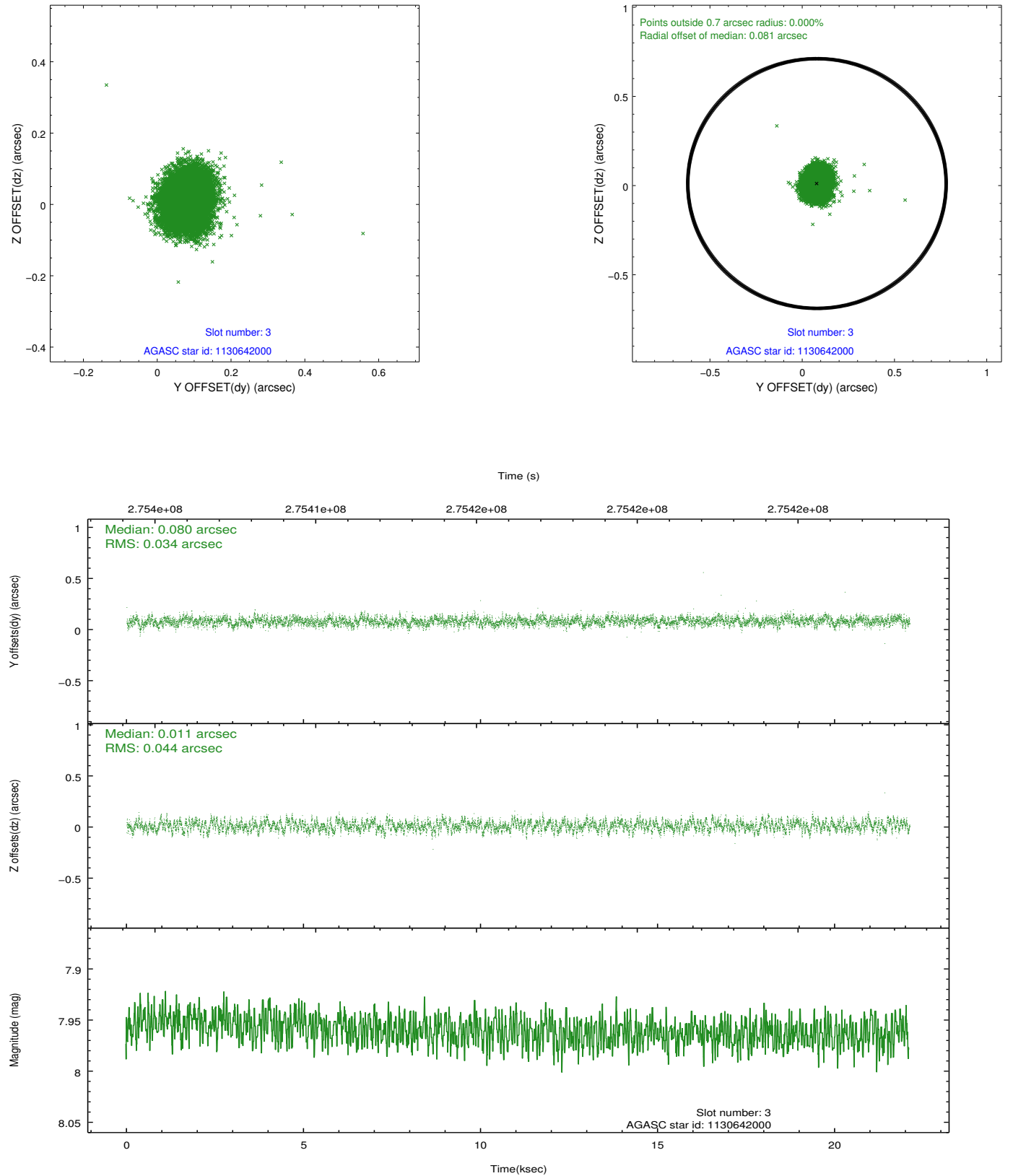


Slot Statistics

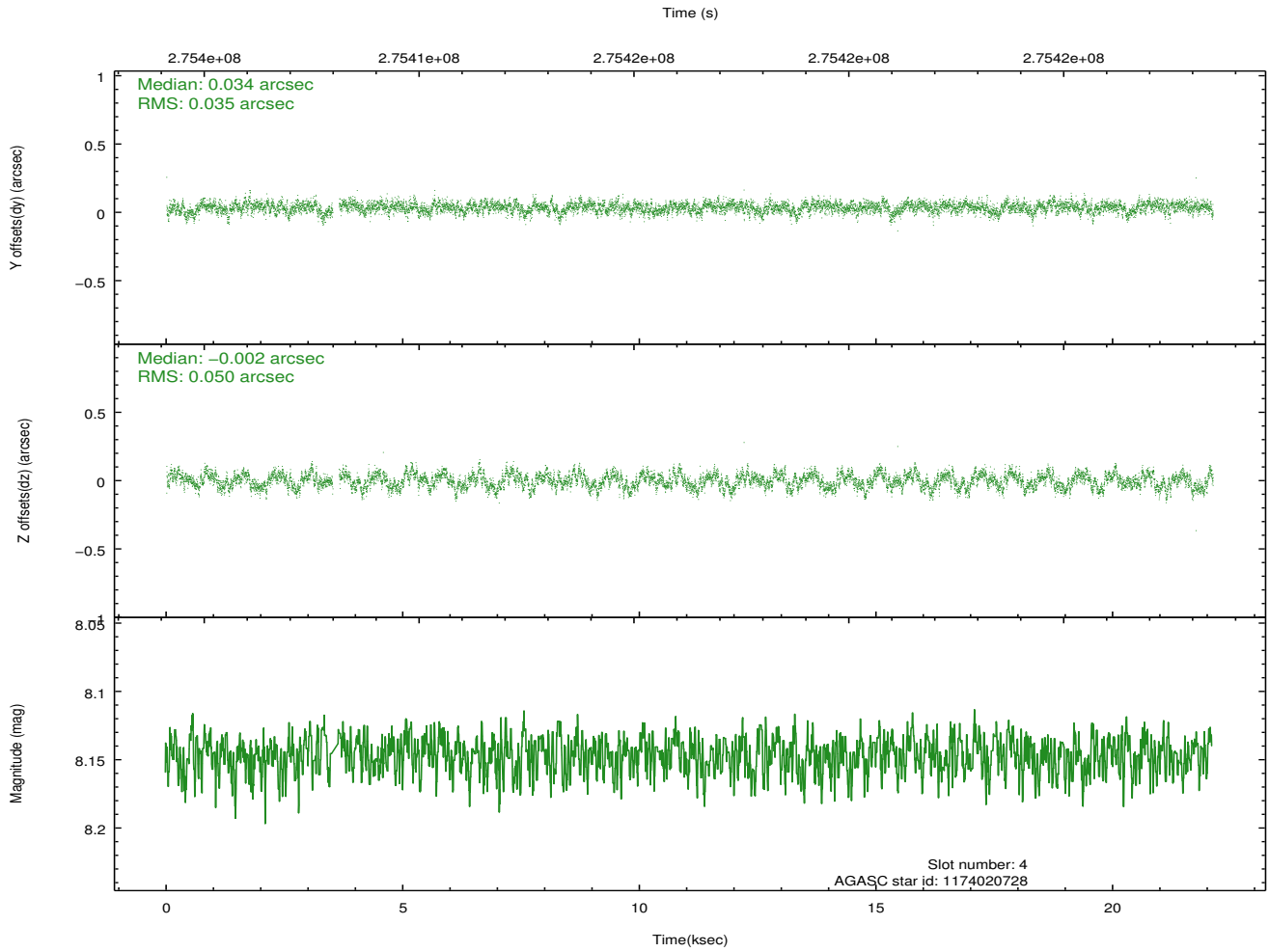
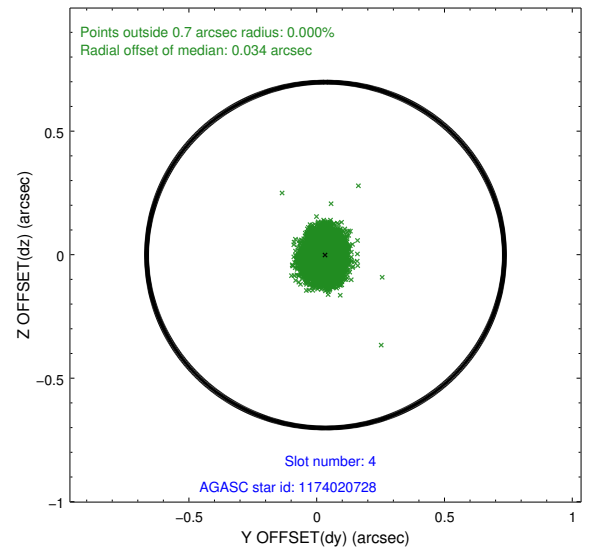
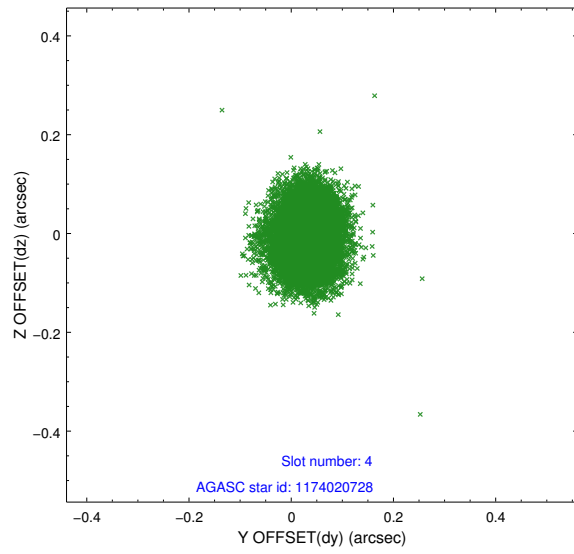
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	5394	0.096	-0.067	0.007	0.014	0.000000	0.000000	933.95	-1729.98
1	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	ACIS-S-5	7.23	5393	-0.111	0.075	0.007	0.014	0.000000	0.000000	-1815.14	167.59
3	GUIDE	1130642000	7.96	10785	0.080	0.011	0.060	0.094	162.836255	-59.743891	-261.00	-626.08
4	GUIDE	1174020728	8.15	10719	0.034	-0.002	0.065	0.104	162.364714	-60.294672	-150.24	1527.64
5	GUIDE	1174166216	8.02	10715	-0.004	0.045	0.072	0.132	163.522199	-60.352910	-2161.00	1022.05
6	GUIDE	1130640672	8.29	10782	0.002	-0.024	0.059	0.096	162.096044	-59.540805	1255.60	-843.62
7	GUIDE	1174033144	8.63	10713	-0.112	-0.025	0.058	0.092	161.168741	-60.059230	2152.52	1501.22

2.4 Star Slots

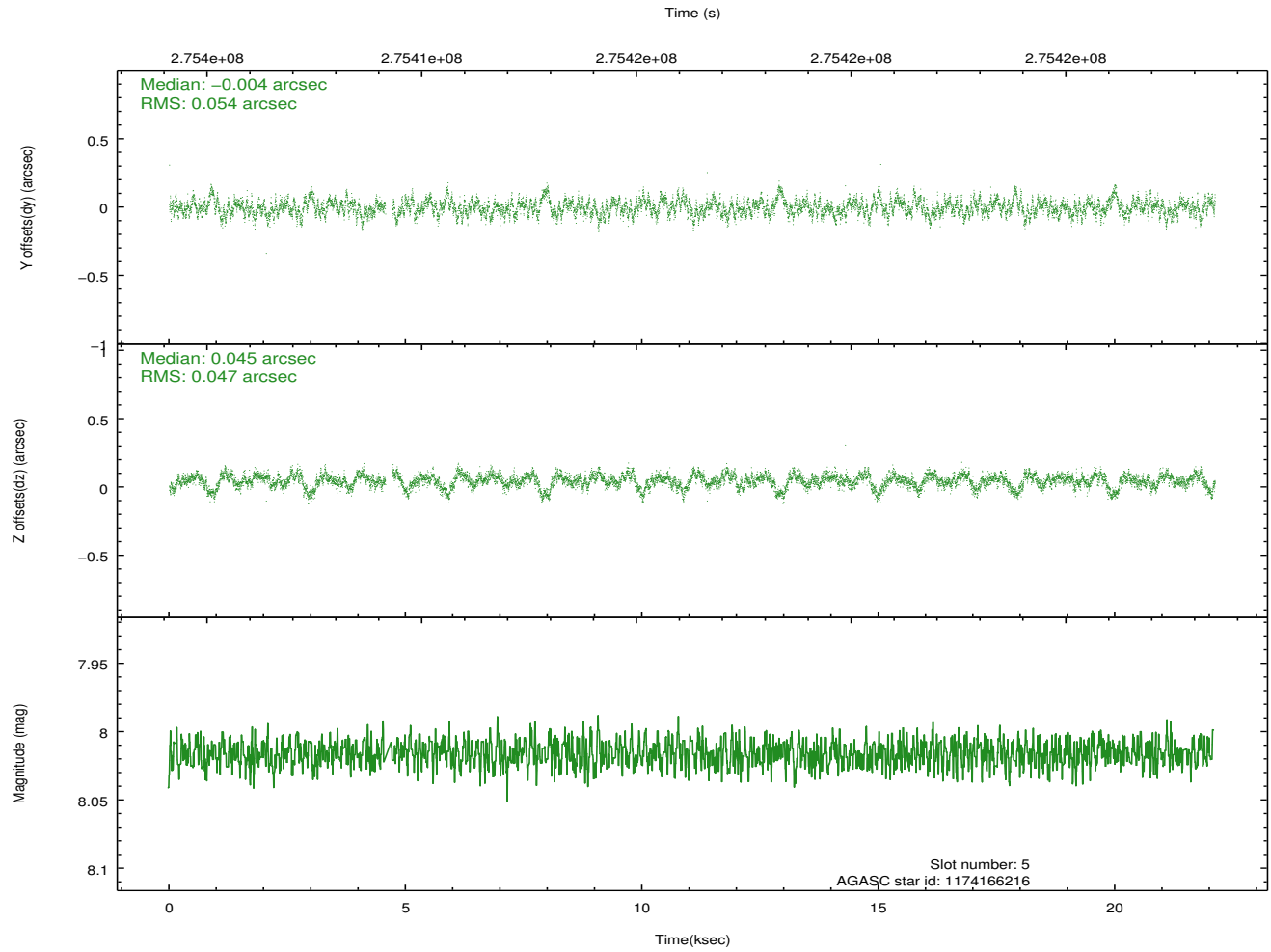
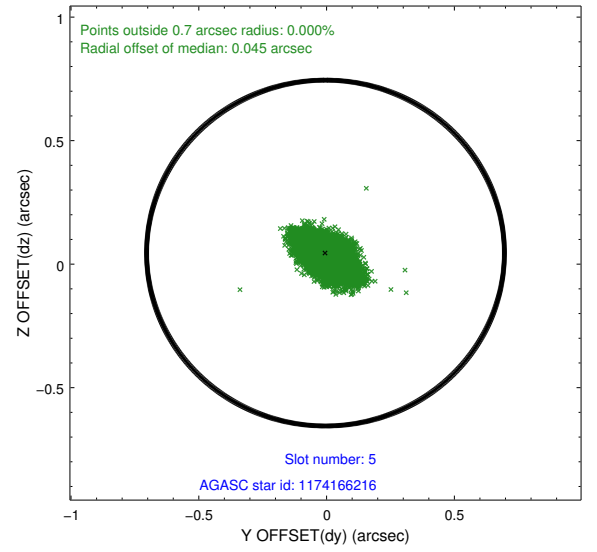
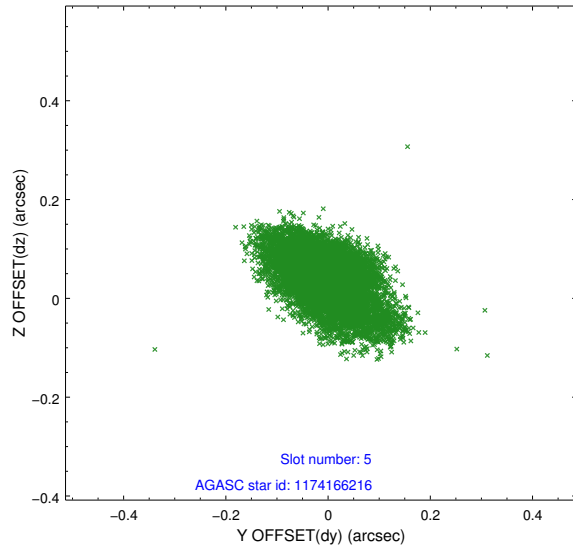
2.4.1 Slot 3



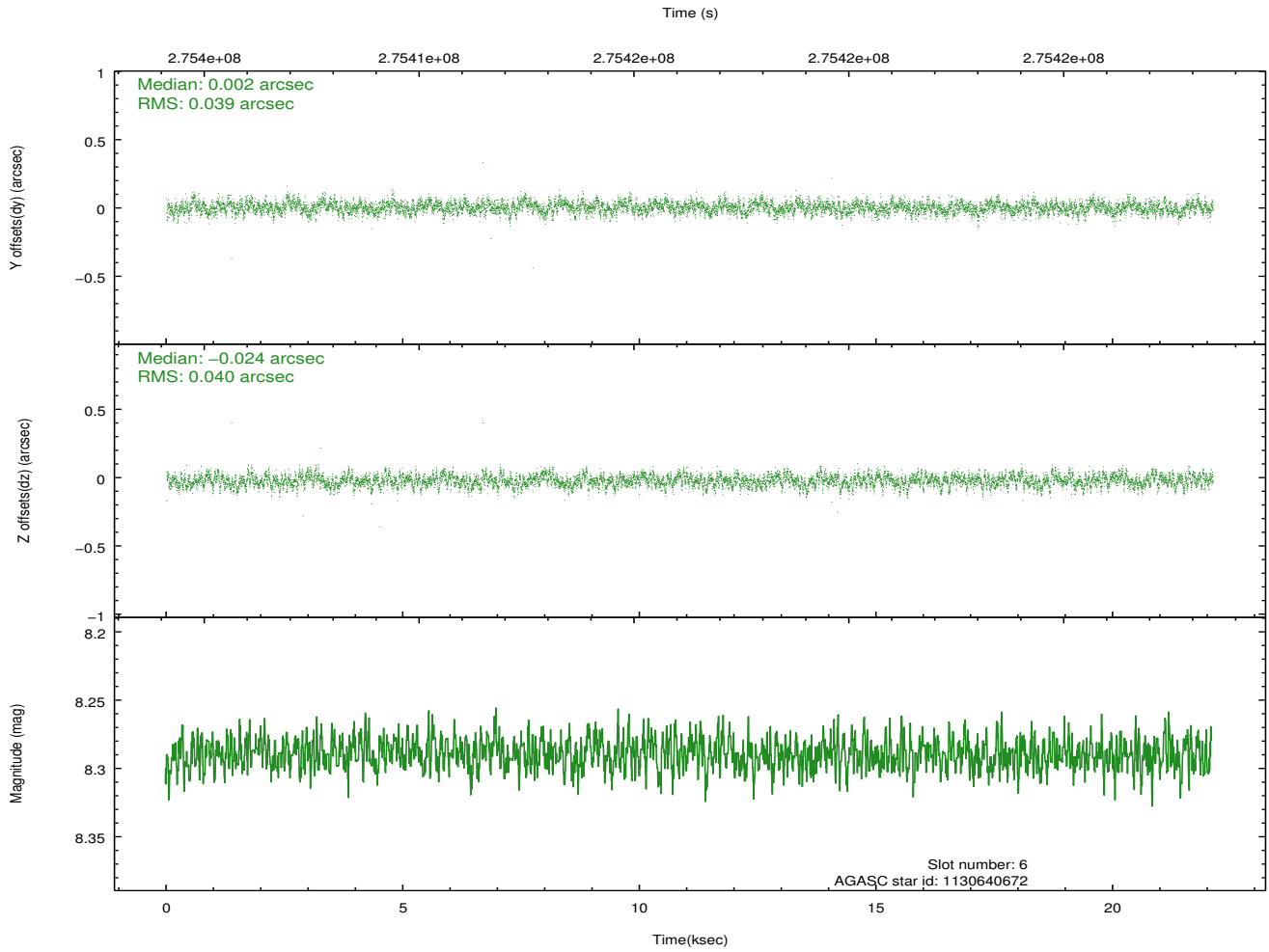
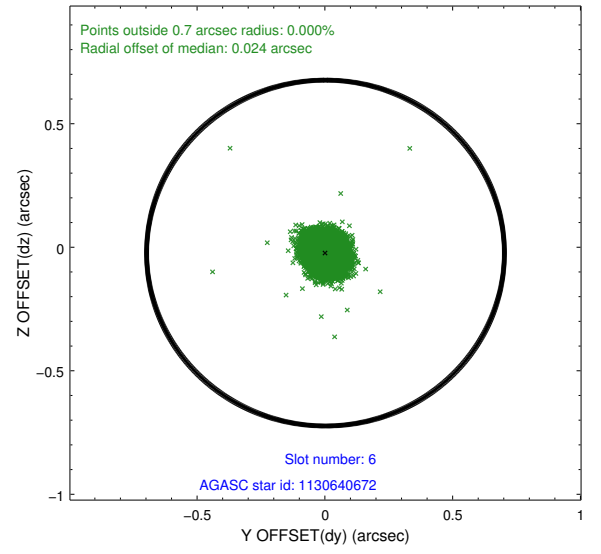
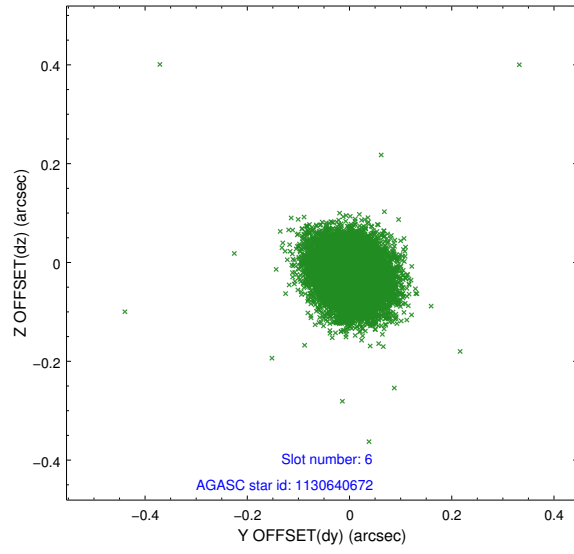
2.4.2 Slot 4



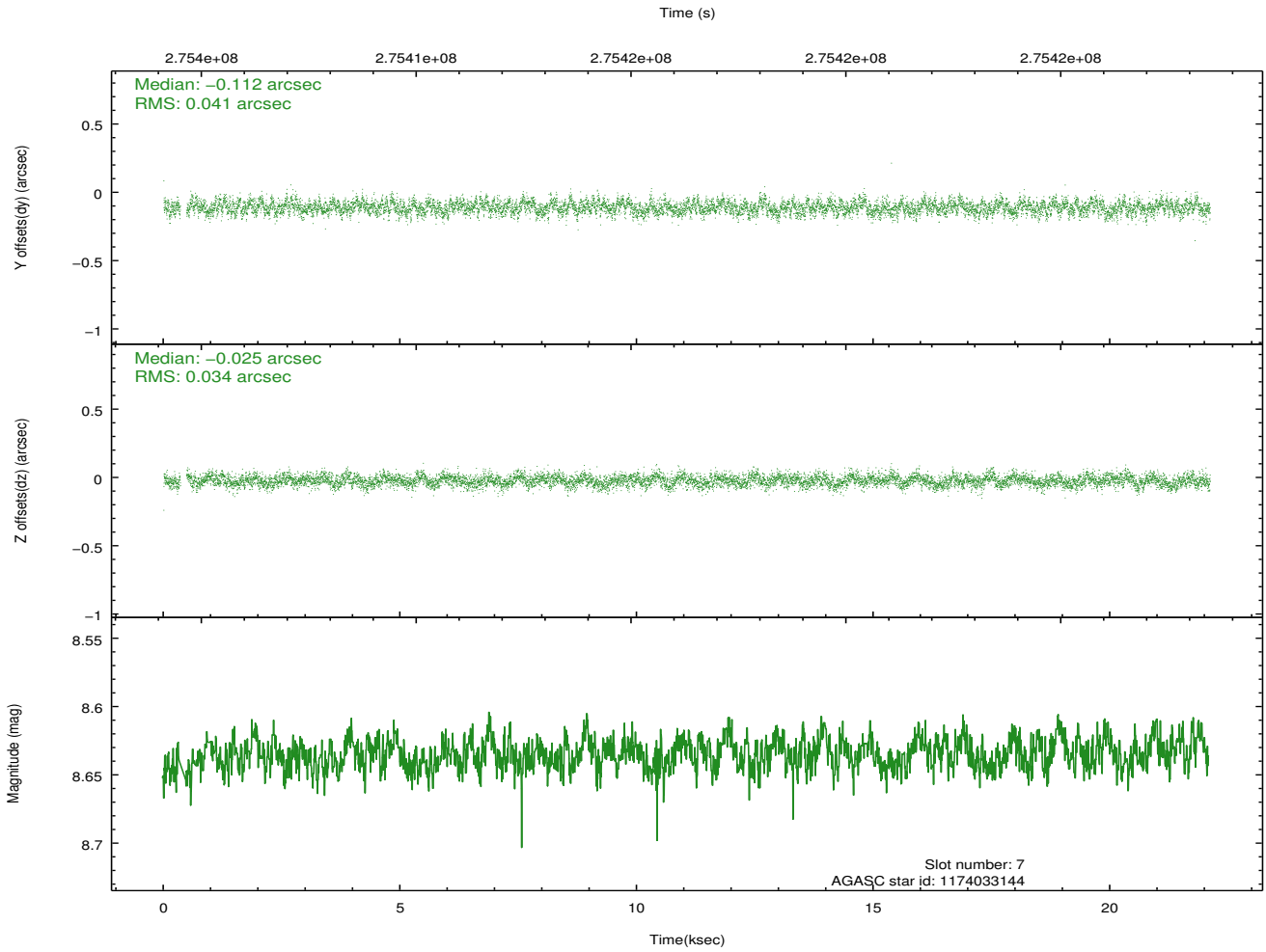
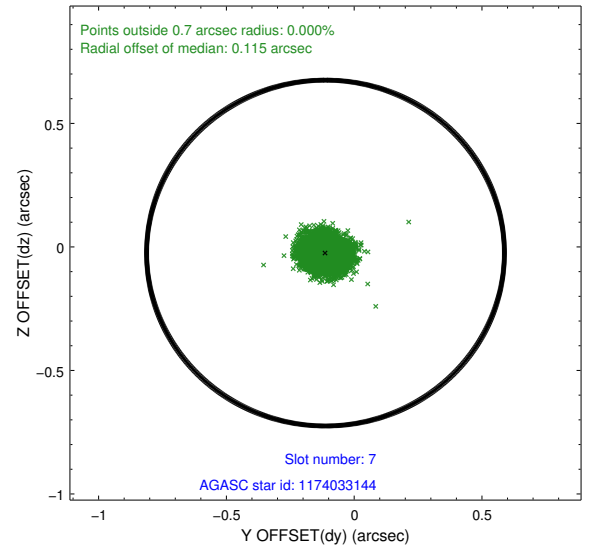
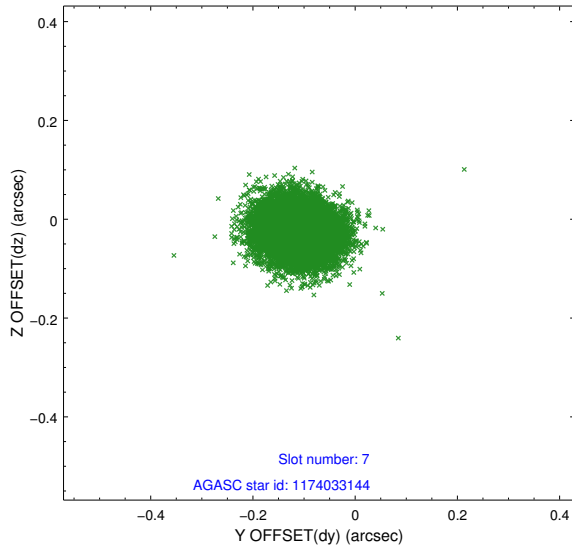
2.4.3 Slot 5



2.4.4 Slot 6

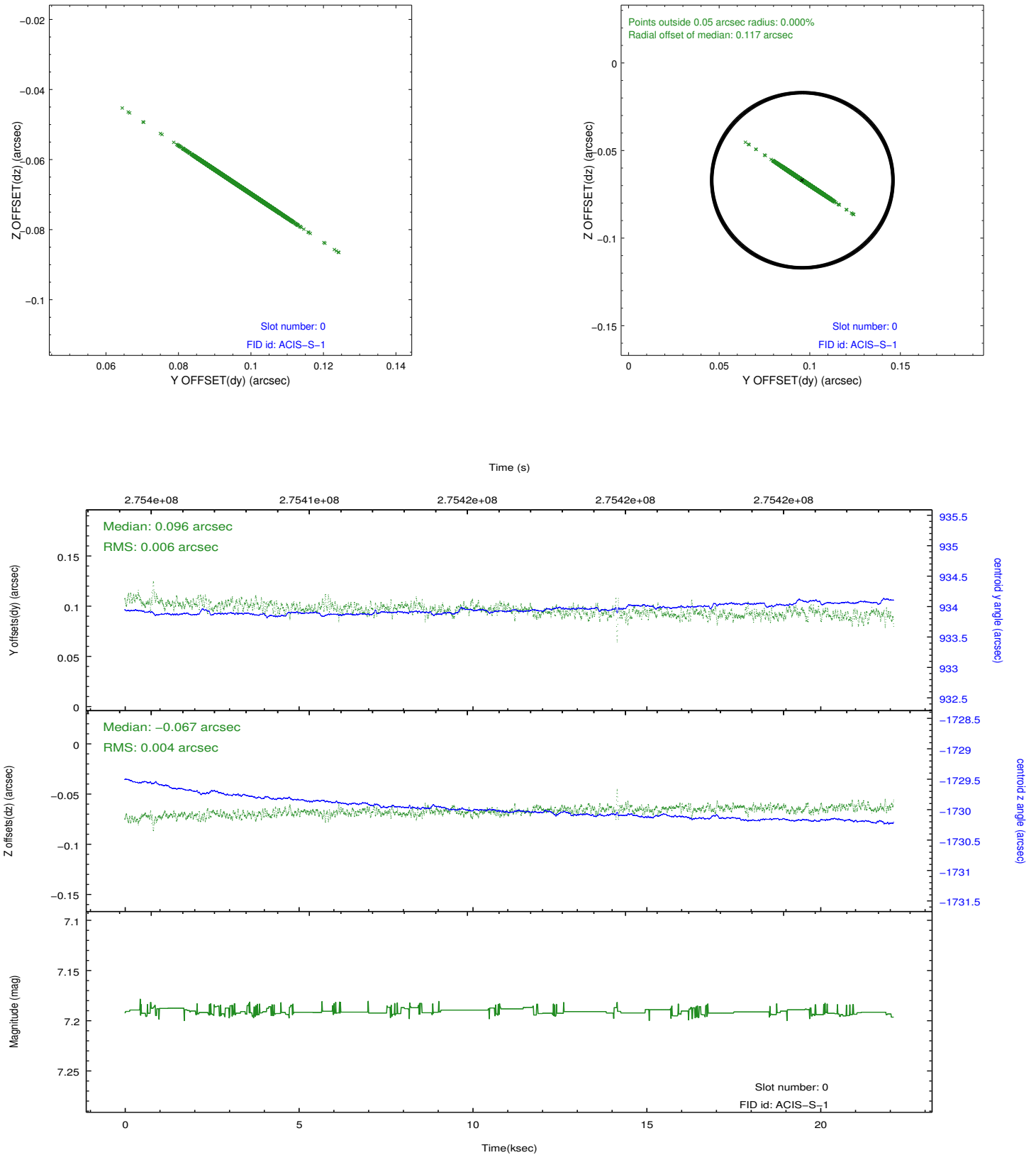


2.4.5 Slot 7

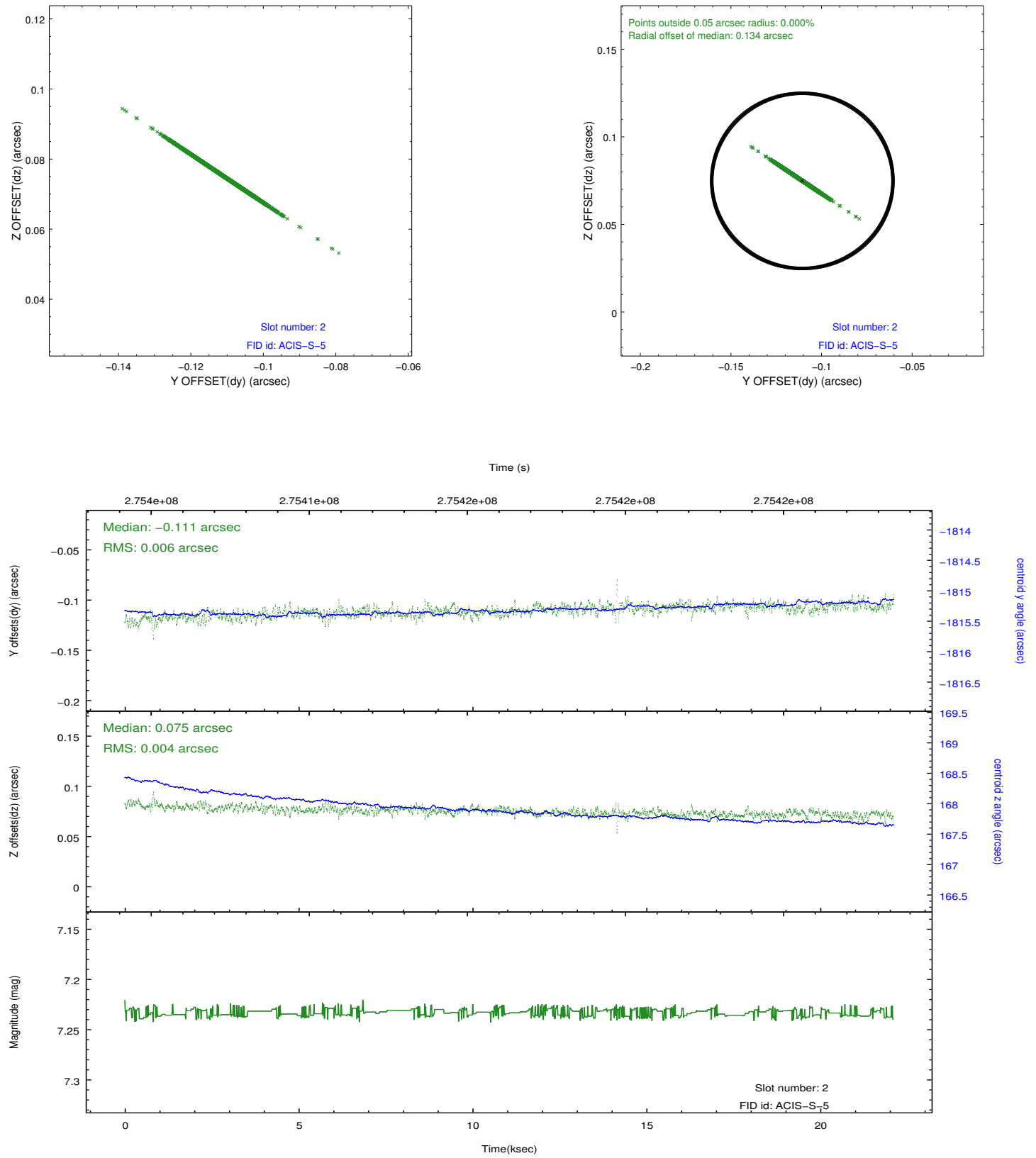


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.108

A.2 Comments

The fid light in slot 1 was removed from the aspect solution due to contamination by a warm/hot pixel. The aspect solution is improved by the removal of this fid light from the solution.