

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4045 - L2 Version 3
Chandra X-Ray Center

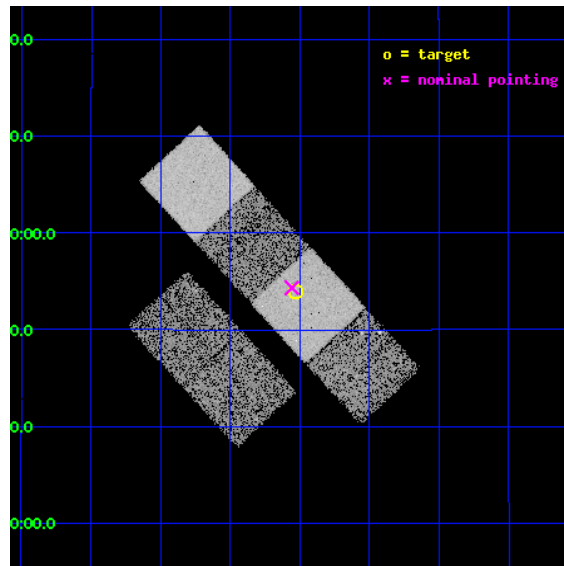
L2 Processing Date : Oct 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

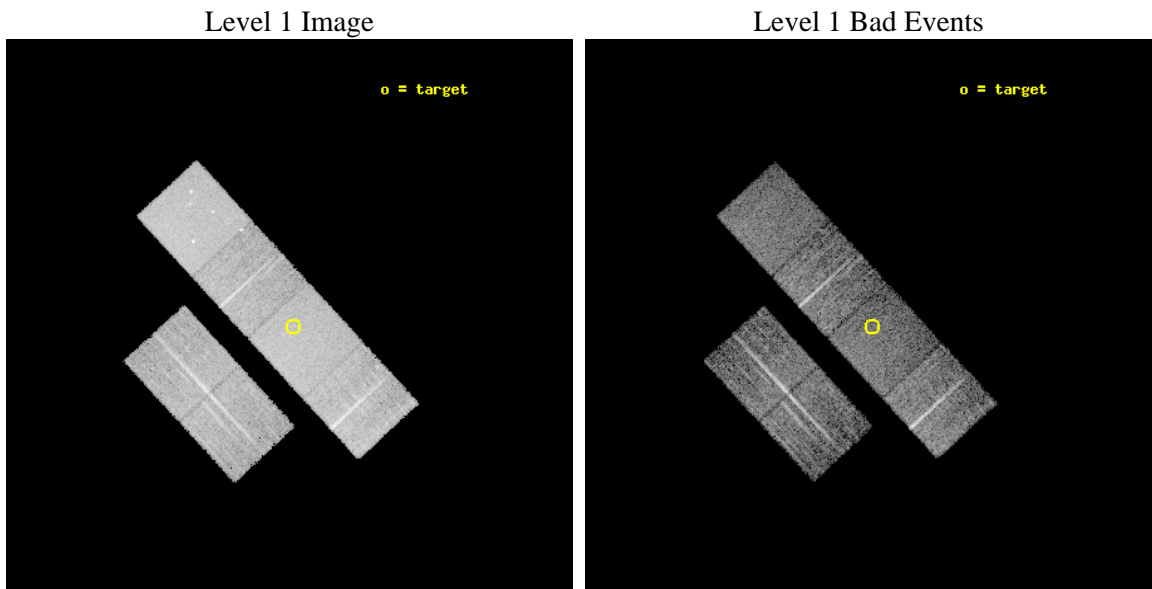
seq_num	700724	Sequence number
obs_id	4045	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS145331+1353	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.38125	Observer's specified target RA [deg]
dec_targ	13.899639	Observer's specified target Dec [deg]
ra_nom	223.38914257327	Nominal RA [deg]
dec_nom	13.905530756199	Nominal Dec [deg]
roll_nom	47.308294781604	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8463.9999684691	Sum of GTIs [s]
liveltime	8356.8237044595	Livetime [s]
ontime2	8463.9999684691	Sum of GTIs [s]
ontime3	8460.7590281665	Sum of GTIs [s]
ontime5	8463.9999684691	Sum of GTIs [s]
ontime6	8463.9999684691	Sum of GTIs [s]
ontime7	8463.9999684691	Sum of GTIs [s]
ontime8	8460.759008199	Sum of GTIs [s]
l2events	82534	Number of level 2 events



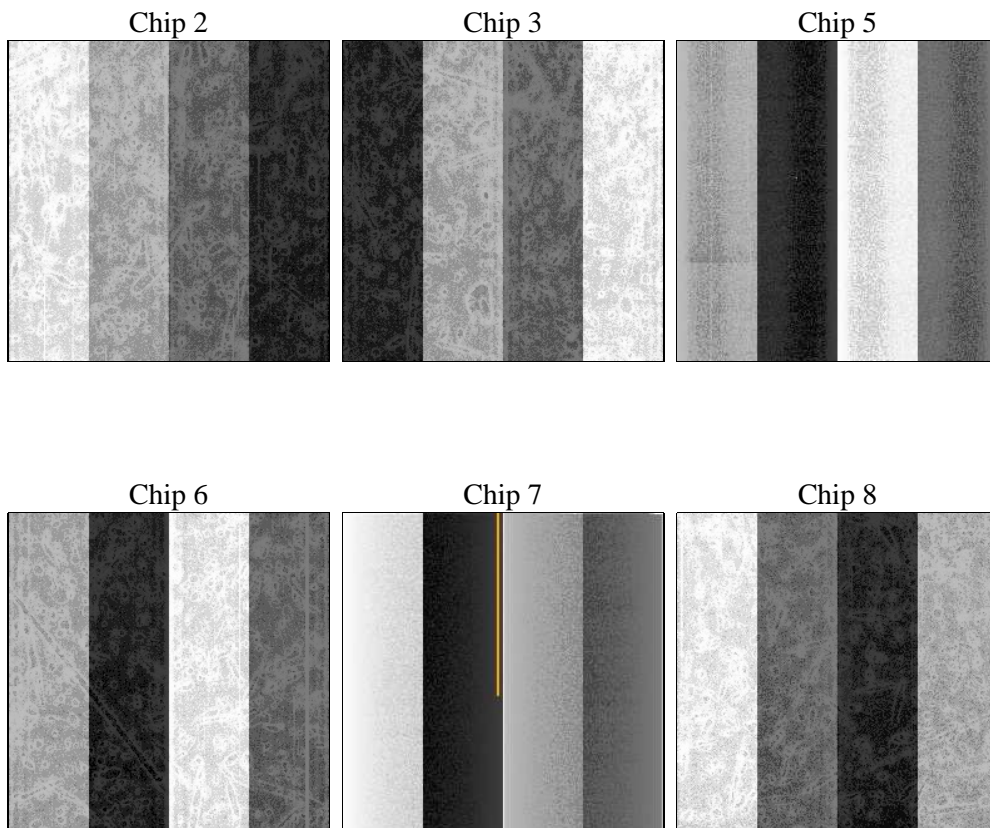
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8709.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8463.9999684691	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	8463.9999684691	Sum of GTIs [s]
date	2012-10-19T05:34:56	Date and time of file creation	ontime3	8460.7590281665	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8463.9999684691	Sum of GTIs [s]
			ontime6	8463.9999684691	Sum of GTIs [s]
			ontime7	8463.9999684691	Sum of GTIs [s]
			ontime8	8460.759008199	Sum of GTIs [s]
			l1events	363598	Number of level 1 events

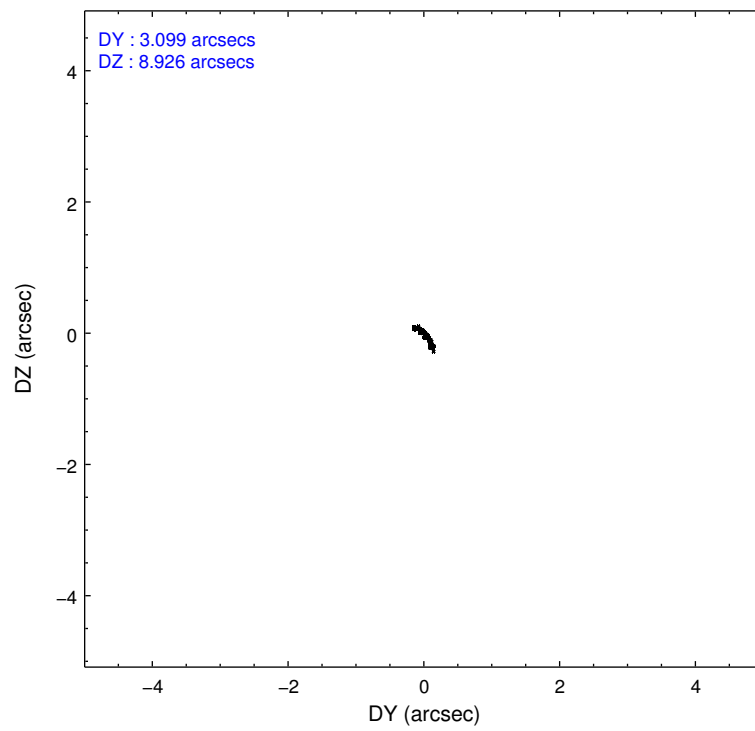
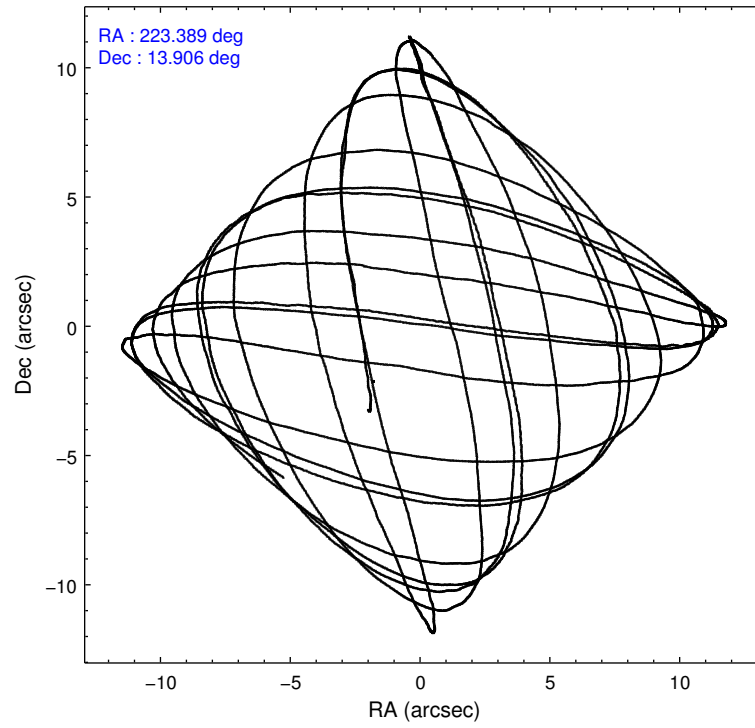
2.1.4 Events

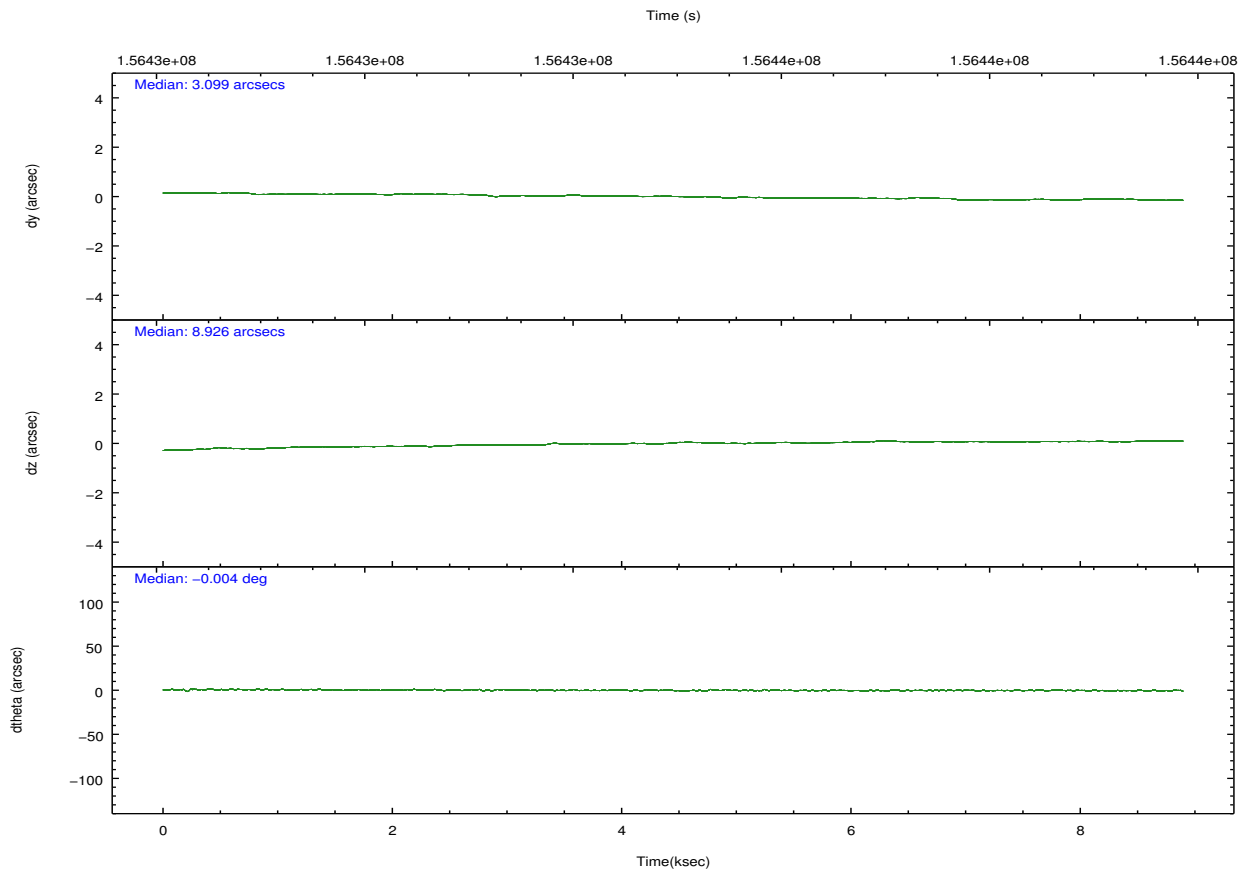
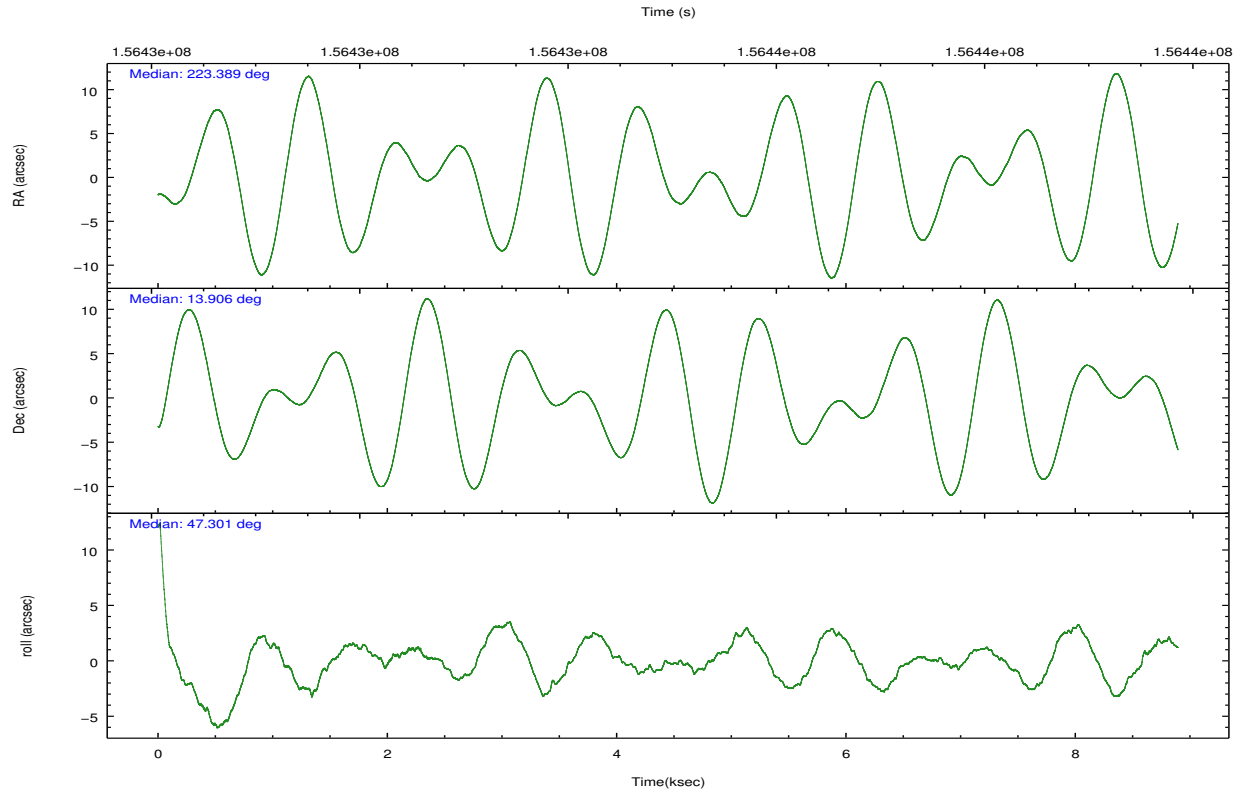
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51359	49189	75260	52777	67903	67110	grade 0 events	2844	2699	3981	2543	2912	5092
rejected events	45040	43172	40690	46561	39400	52741		5%	5%	5%	4%	4%	7%
rejected %	87%	87%	54%	88%	58%	78%	grade 1 events	31	41	120	27	62	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1241	1109	9790	1252	5617	2691
								2%	2%	13%	2%	8%	4%
							grade 3 events	587	603	1464	618	2610	1669
								1%	1%	1%	1%	3%	2%
							grade 4 events	610	599	1467	580	2493	1599
								1%	1%	1%	1%	3%	2%
							grade 5 events	1887	2178	5526	2333	6283	2923
								3%	4%	7%	4%	9%	4%
							grade 6 events	1038	1009	17900	1225	14884	3328
								2%	2%	23%	2%	21%	4%
							grade 7 events	43121	40951	35012	44199	33042	49760
								83%	83%	46%	83%	48%	74%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	223.383387	223.389142573267	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.878842	13.90553075619873	Alternating exposures requested	N	N
[deg] Pointing Roll	47.153050	47.30829478160436	[s] Primary exposure time	0.000000	3.2
[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)	156430698.184000	156430053.77397			
Observation start date	2002-12-16T12:57:14	2002-12-16T12:47:33			
[s] Observation end time (MET)	156439407.184000	156439659.04937			
Observation end date	2002-12-16T15:22:23	2002-12-16T15:27:39			
Read mode	TIMED	TIMED			

2.3 Aspect



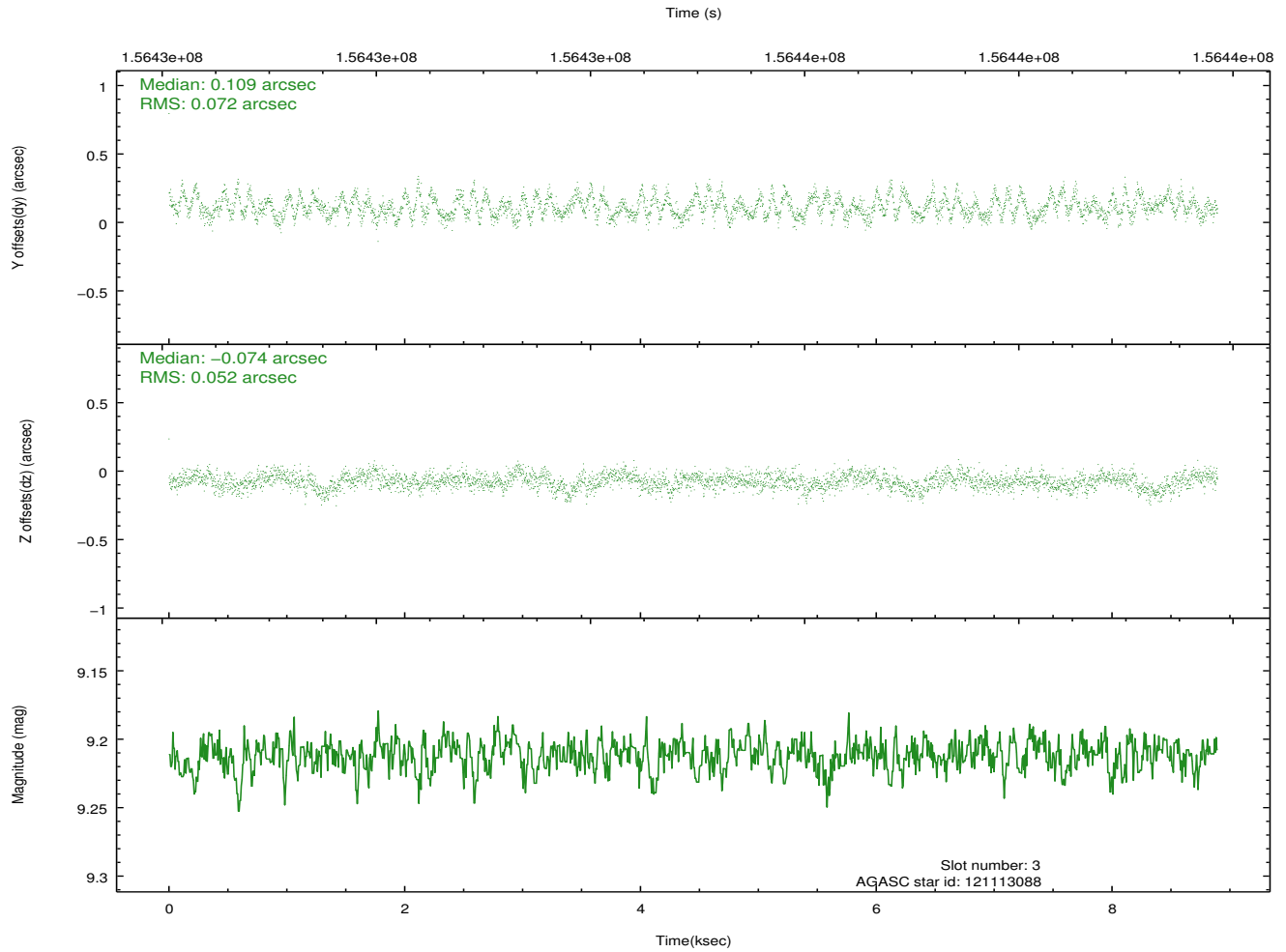
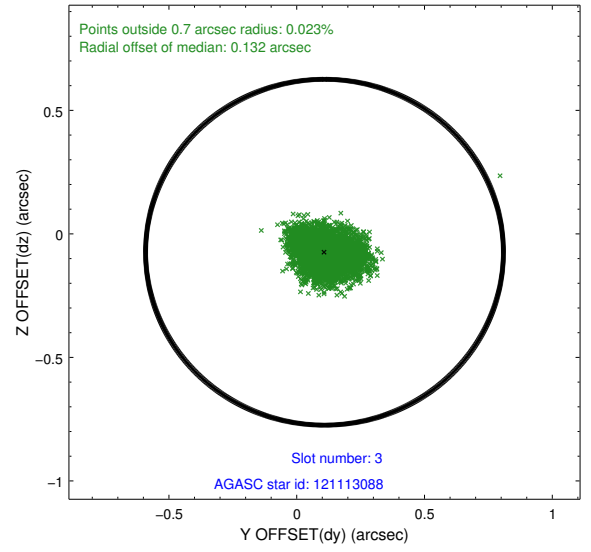
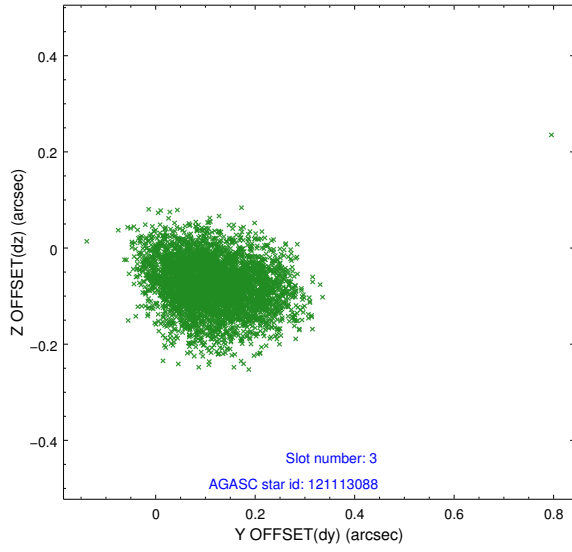


Slot Statistics

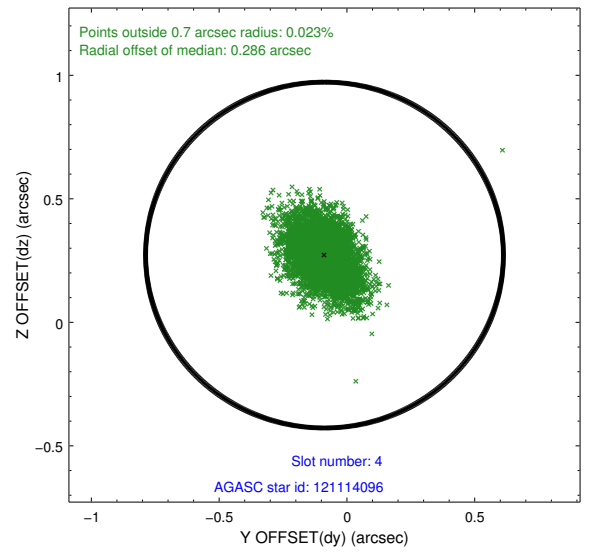
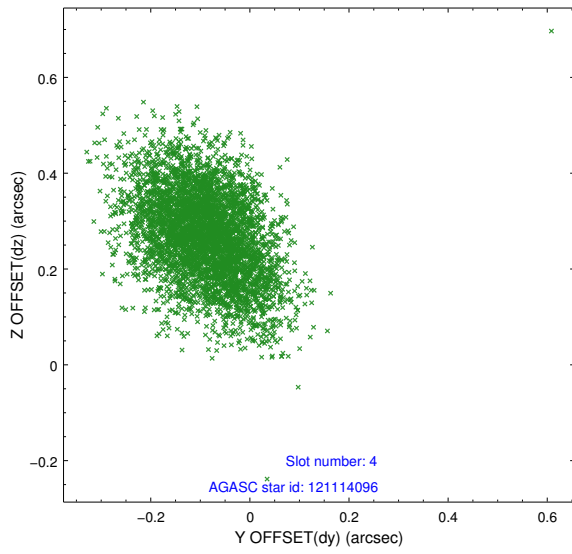
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2170	-0.023	-0.012	0.007	0.012	0.000000	0.000000	-755.76	-1730.08
1	FID	ACIS-S-4	7.20	2170	0.011	0.015	0.006	0.011	0.000000	0.000000	2157.27	177.80
2	FID	ACIS-S-5	7.23	2170	-0.019	0.006	0.008	0.014	0.000000	0.000000	-1807.81	172.16
3	GUIDE	121113088	9.21	4337	0.109	-0.074	0.095	0.151	222.684381	13.961237	-1440.84	1993.71
4	GUIDE	121114096	9.75	4338	-0.088	0.272	0.126	0.209	223.962013	13.666984	818.89	-2000.78
5	GUIDE	121114400	7.70	4335	0.088	0.015	0.050	0.081	222.885358	13.477561	-2243.64	295.82
6	GUIDE	121112928	7.71	4339	-0.170	-0.237	0.058	0.094	223.069811	14.491275	872.65	2300.67
7	GUIDE	121119856	9.16	4338	0.062	0.031	0.078	0.126	223.187249	13.961512	-247.69	704.79

2.4 Star Slots

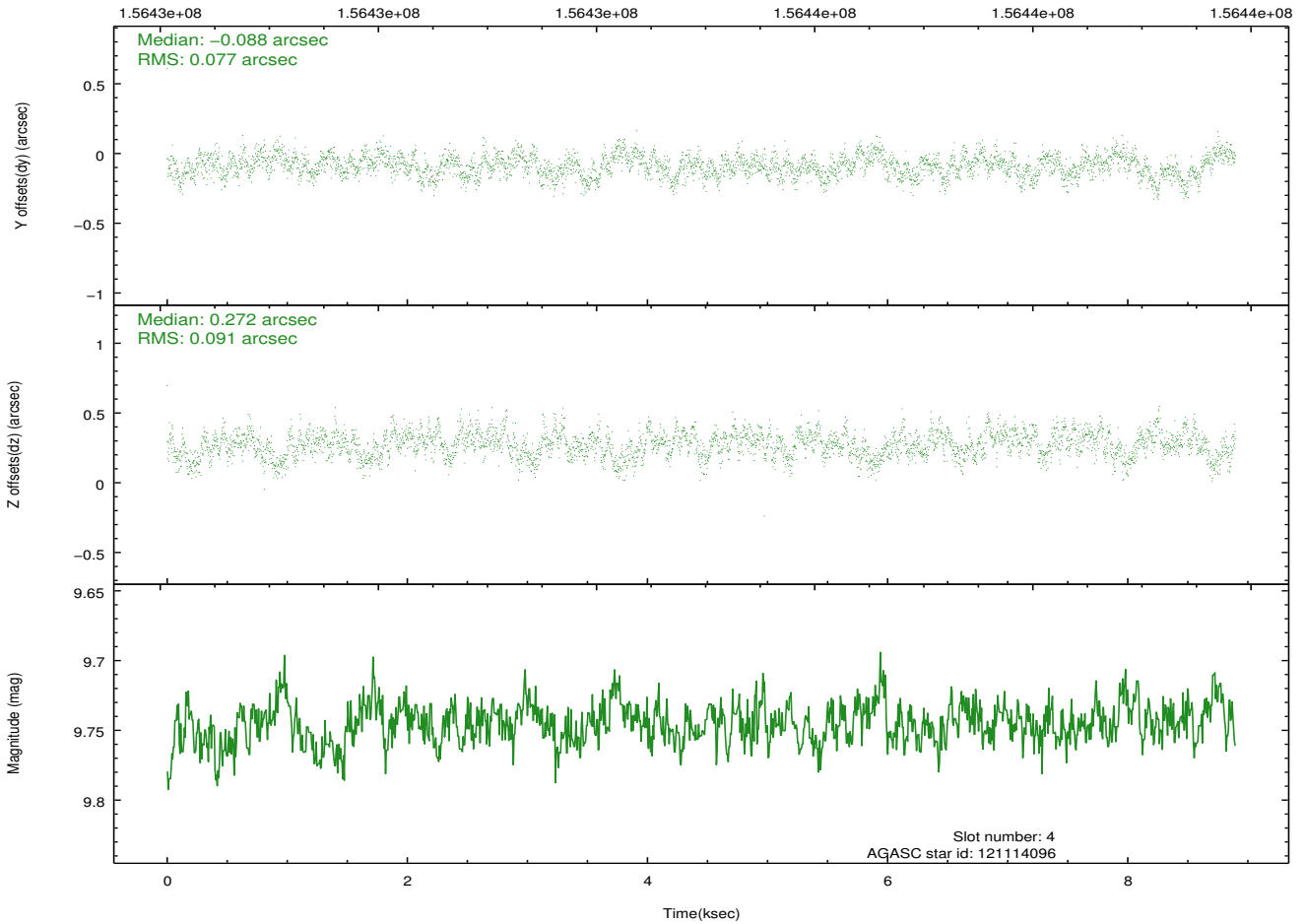
2.4.1 Slot 3



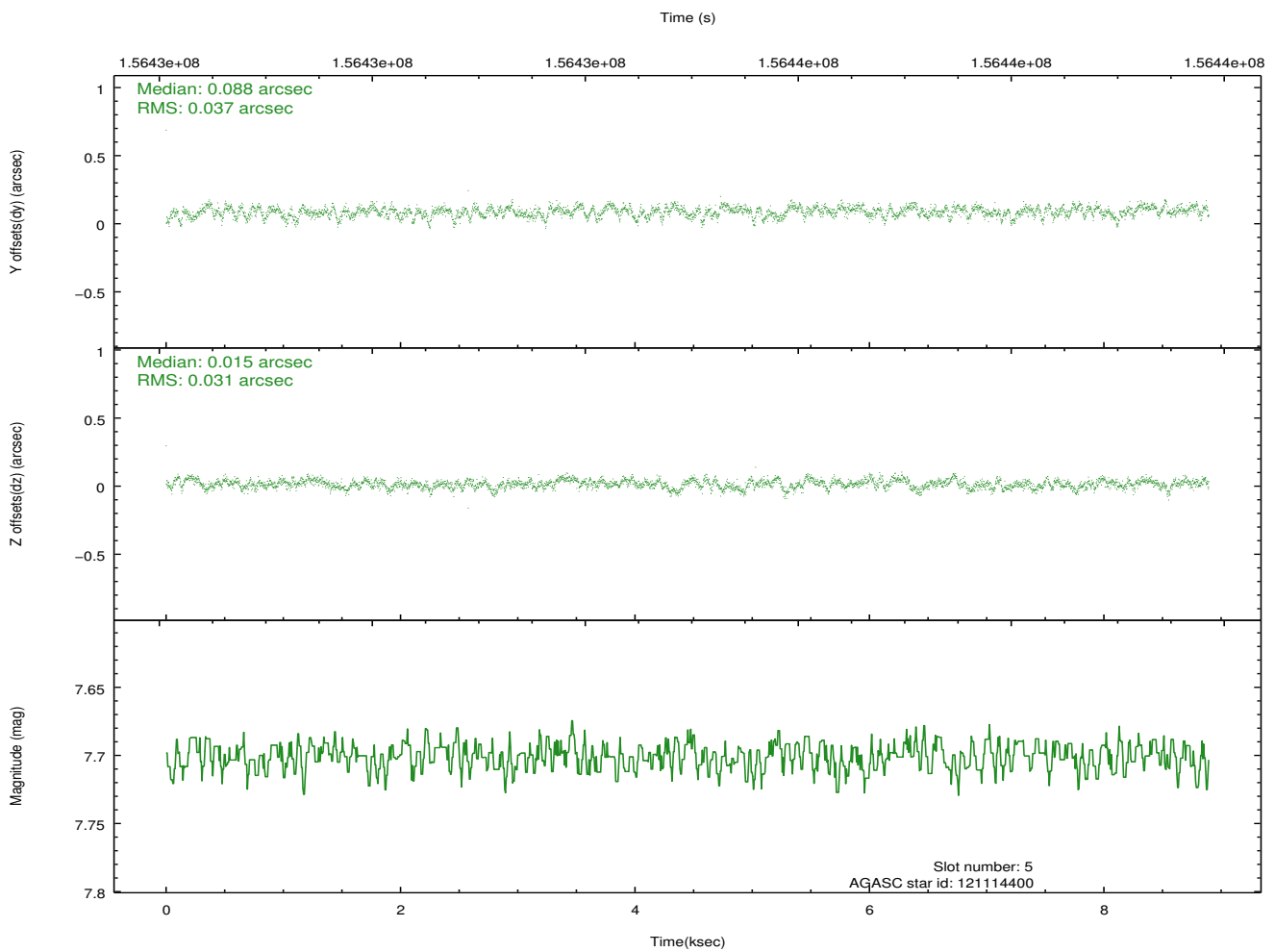
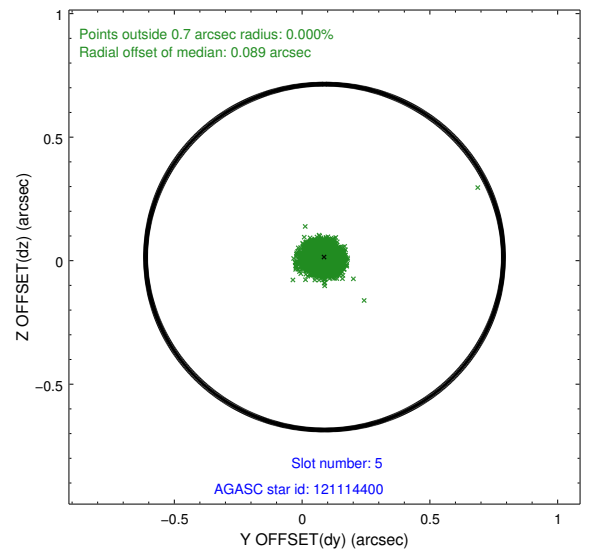
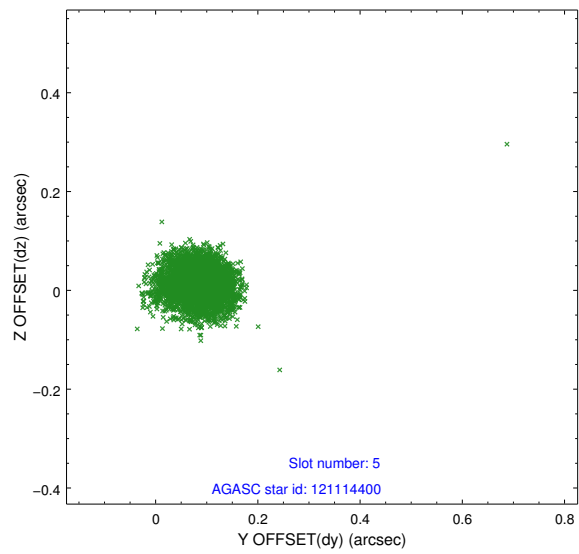
2.4.2 Slot 4



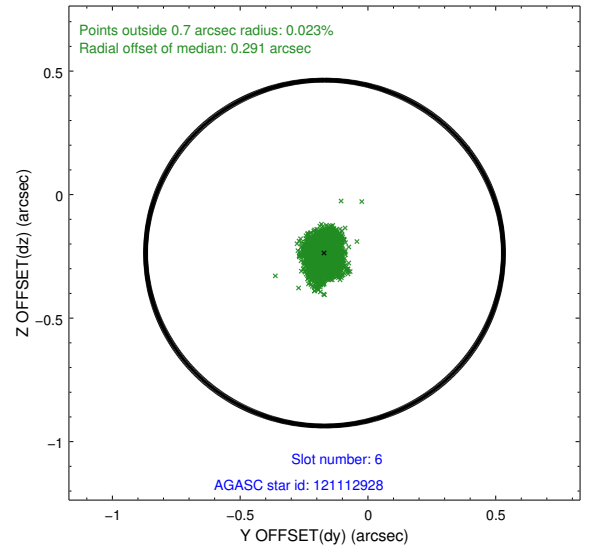
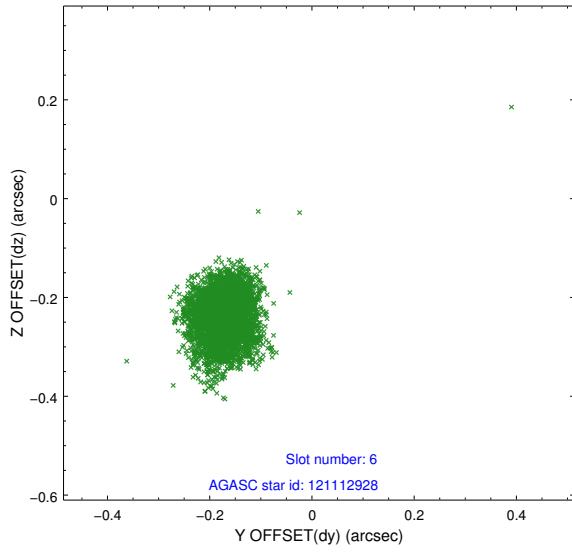
Time (s)



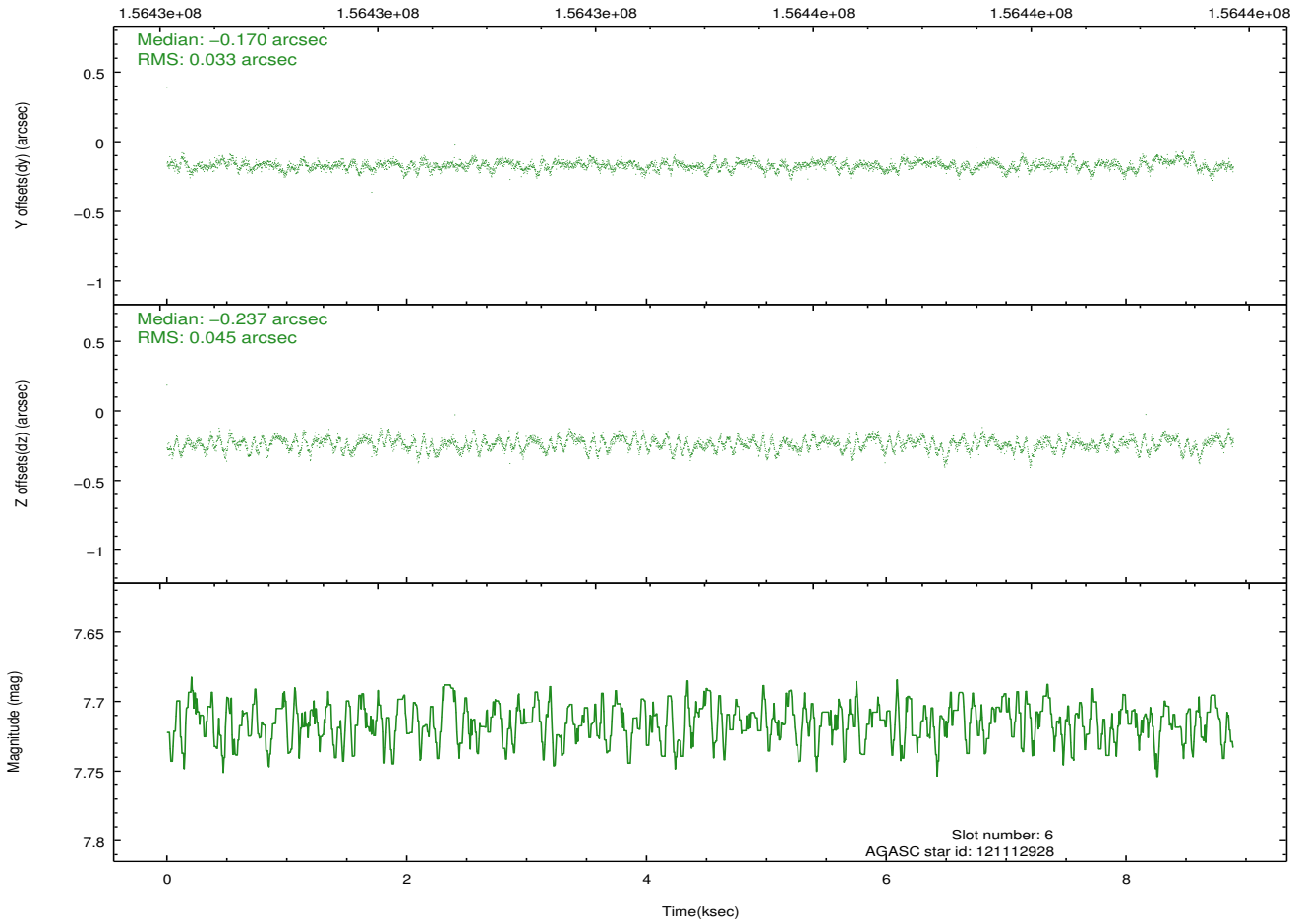
2.4.3 Slot 5



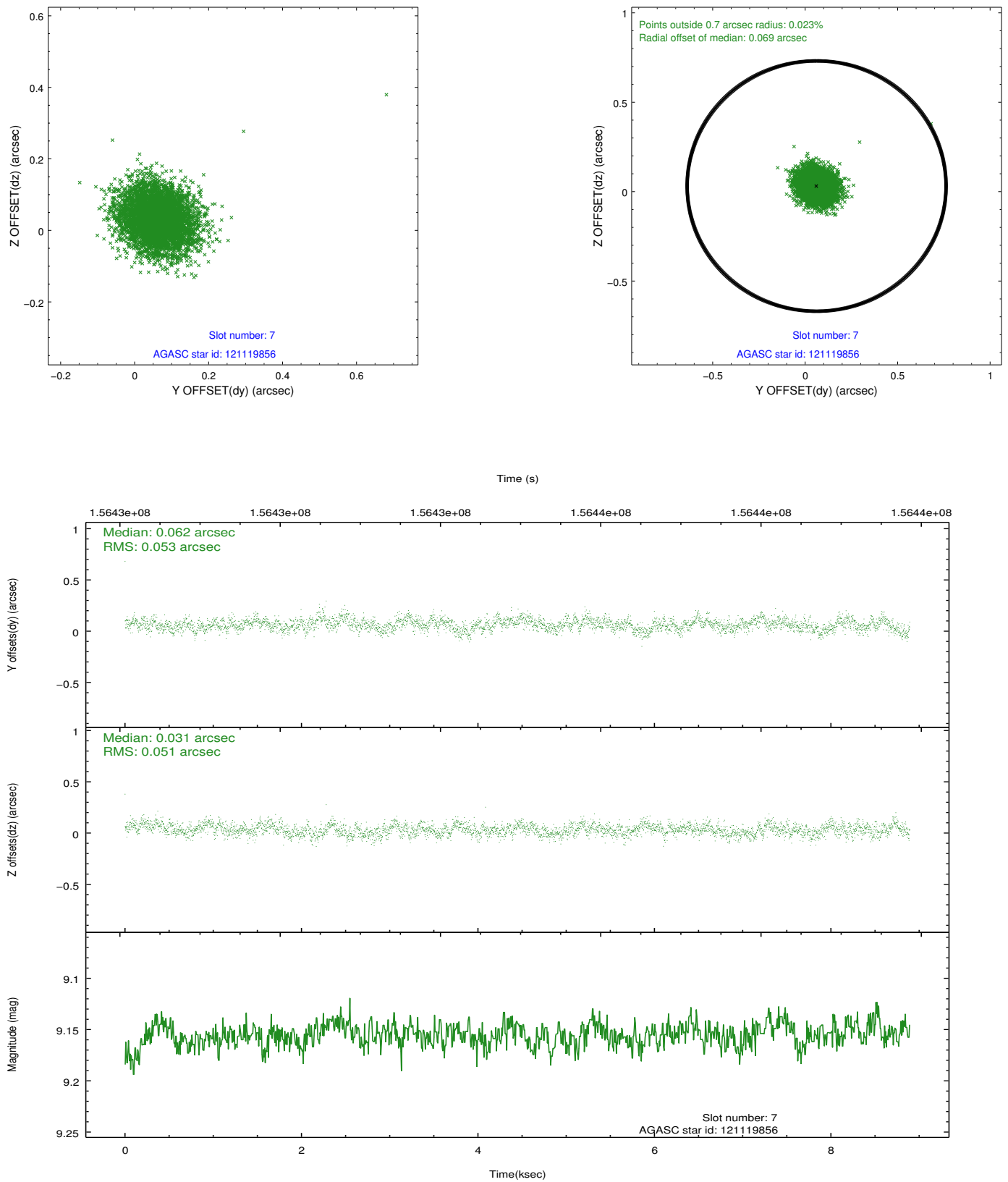
2.4.4 Slot 6



Time (s)

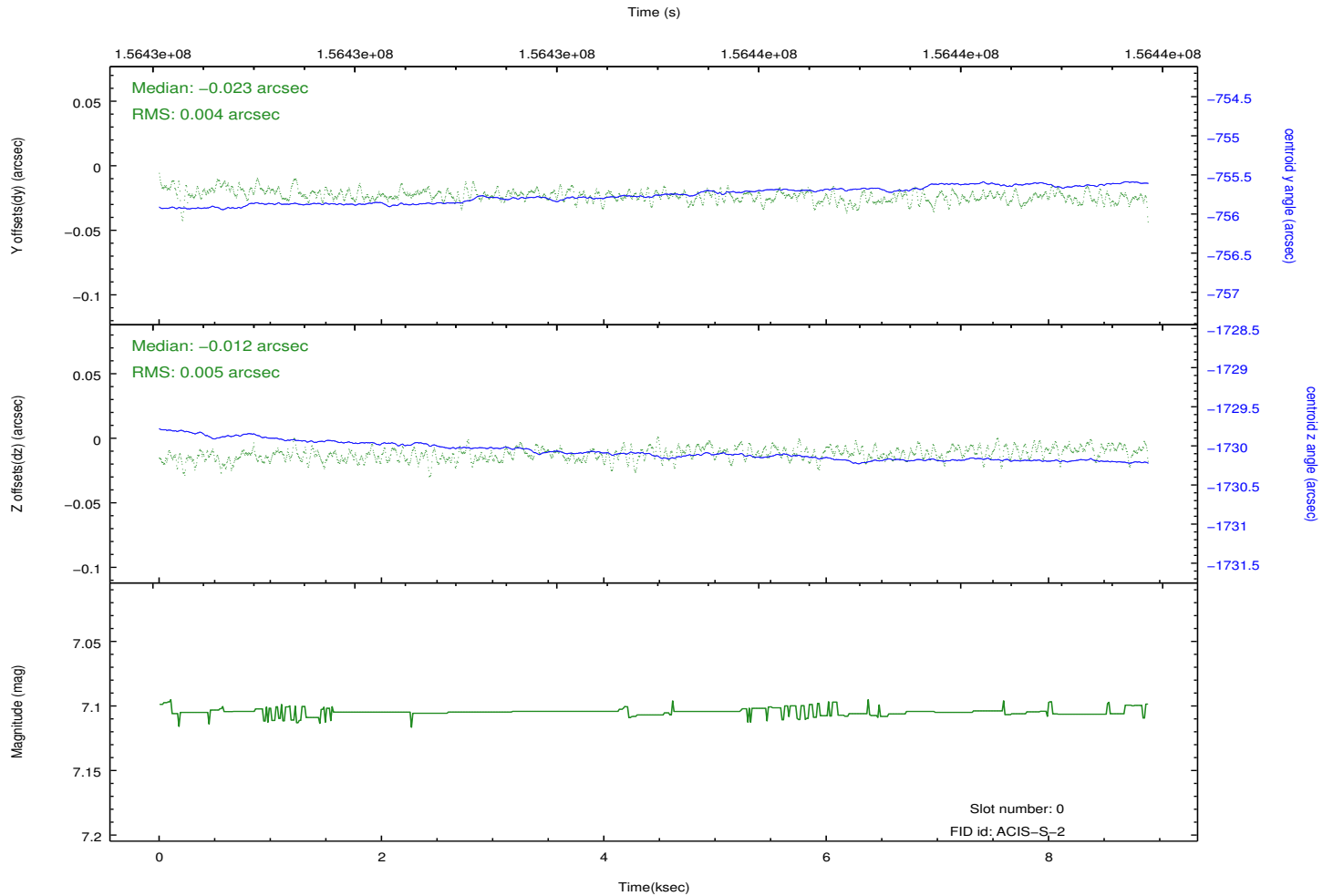
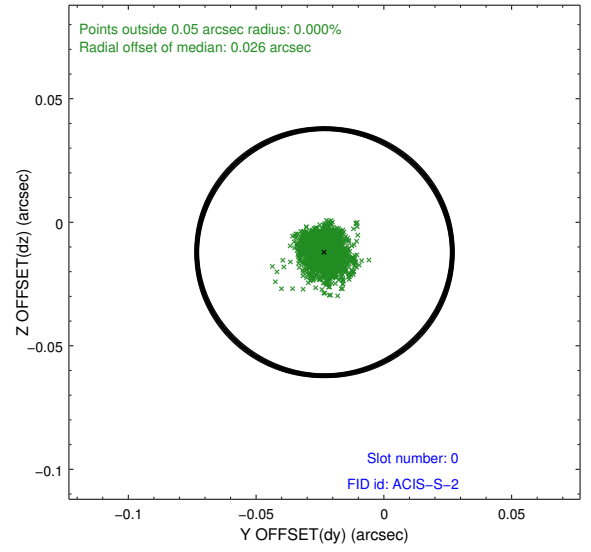
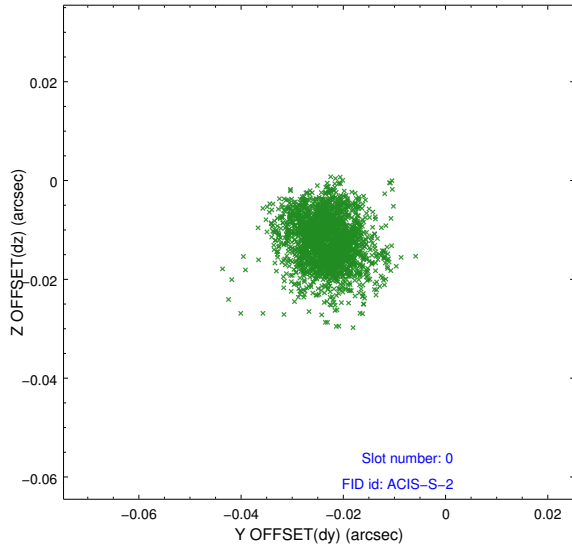


2.4.5 Slot 7

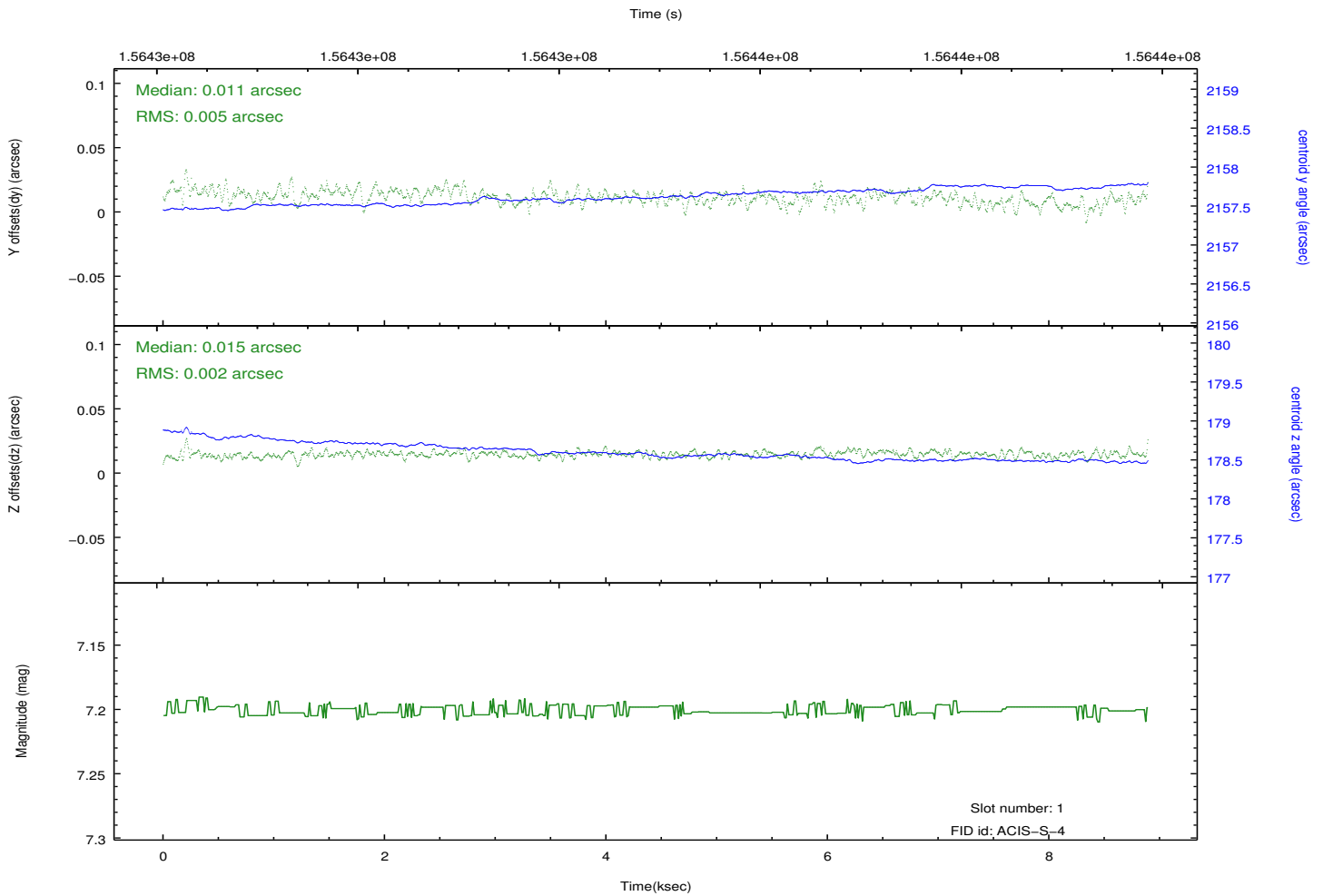
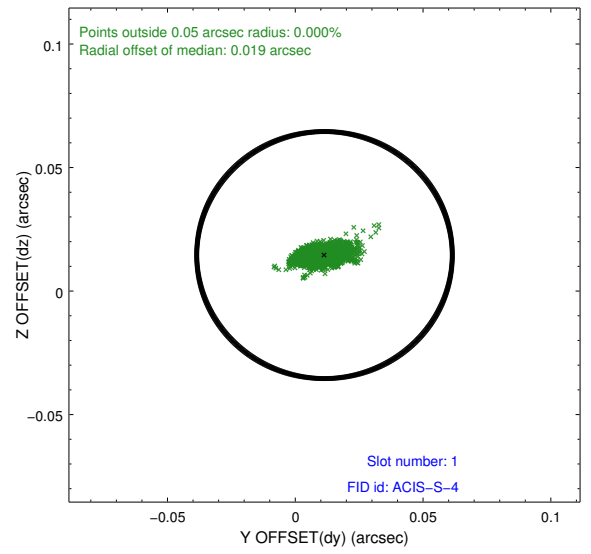
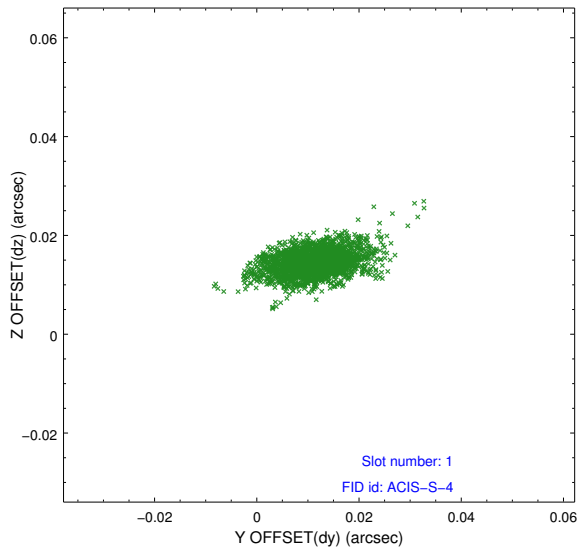


2.5 FID Slots

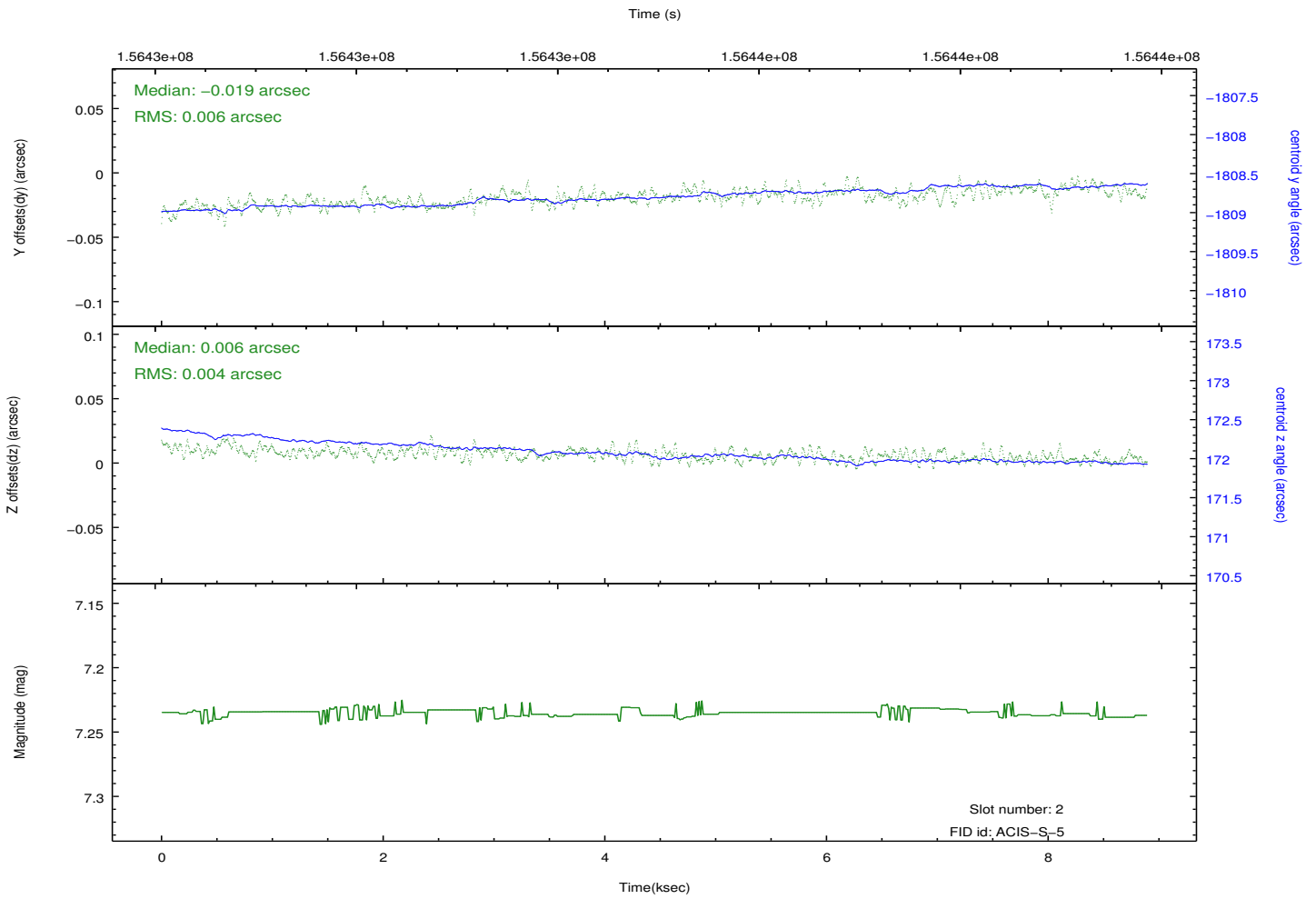
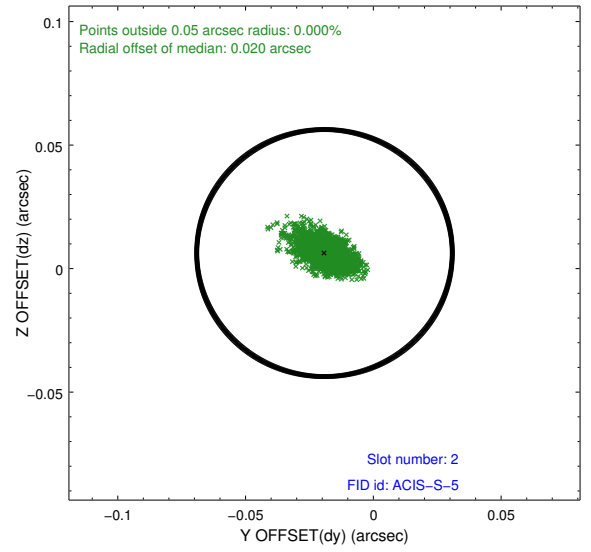
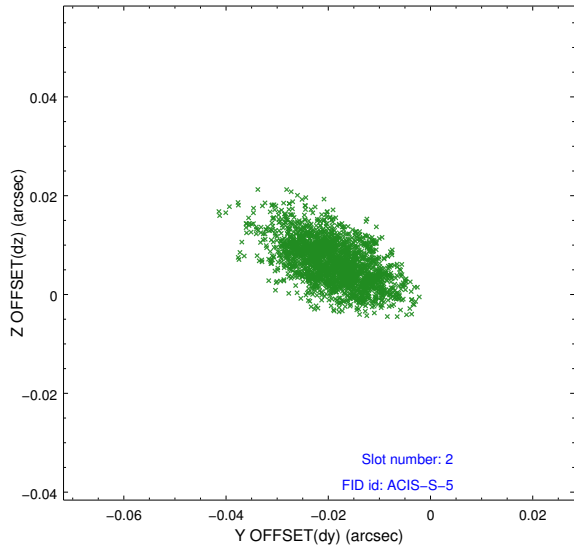
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.467

A.2 Comments