

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3006 - L2 Version 3
Chandra X-Ray Center

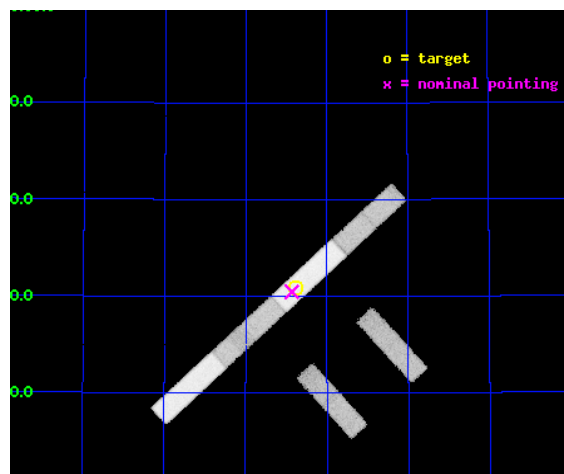
L2 Processing Date : Oct 15 2012

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1 Front

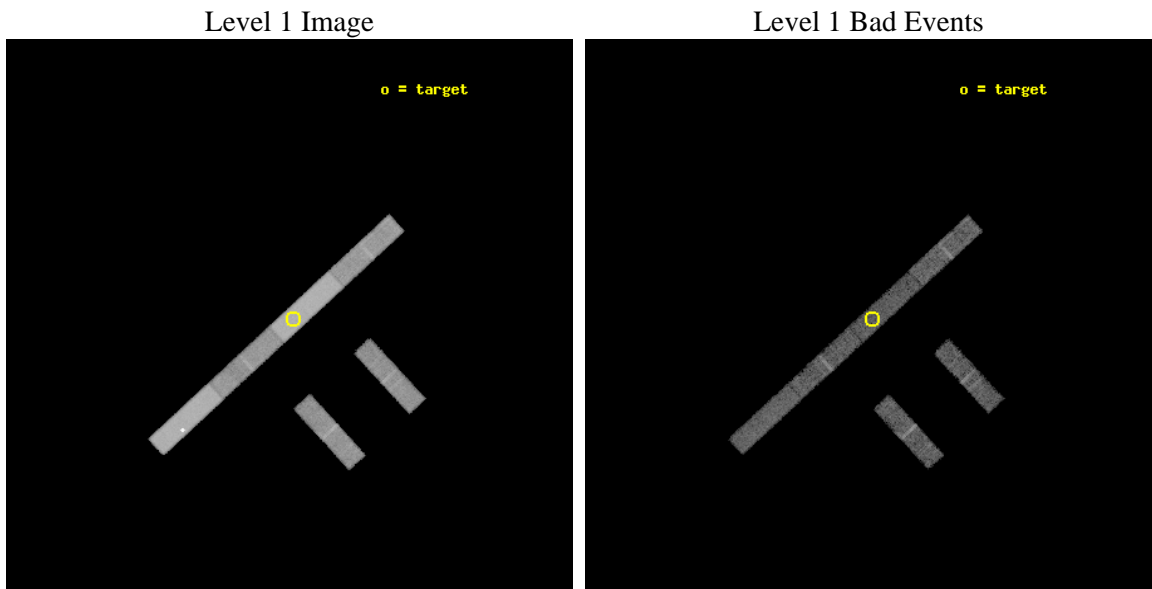
seq_num	700445	Sequence number
obs_id	3006	Observation id
title	CHANDRA SNAPSHOT OBSERVATIONS OF SOFT X-RAY TRANSIENT AGN	Proposal
observer	Dr Rick Edelson	Principal investigator
object	NGC 5905	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.8475	Observer's specified target RA [deg]
dec_targ	55.515833	Observer's specified target Dec [deg]
ra_nom	228.85780133031	Nominal RA [deg]
dec_nom	55.508093303416	Nominal Dec [deg]
roll_nom	317.31773320562	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9984.3990658522	Sum of GTIs [s]
livetime	9625.2883092945	Livetime [s]
ontime2	9984.4401058555	Sum of GTIs [s]
ontime3	9984.2759458423	Sum of GTIs [s]
ontime5	9984.3580258489	Sum of GTIs [s]
ontime6	9984.3169858456	Sum of GTIs [s]
ontime7	9984.3990658522	Sum of GTIs [s]
ontime8	9984.2349058688	Sum of GTIs [s]
l2events	179049	Number of level 2 events



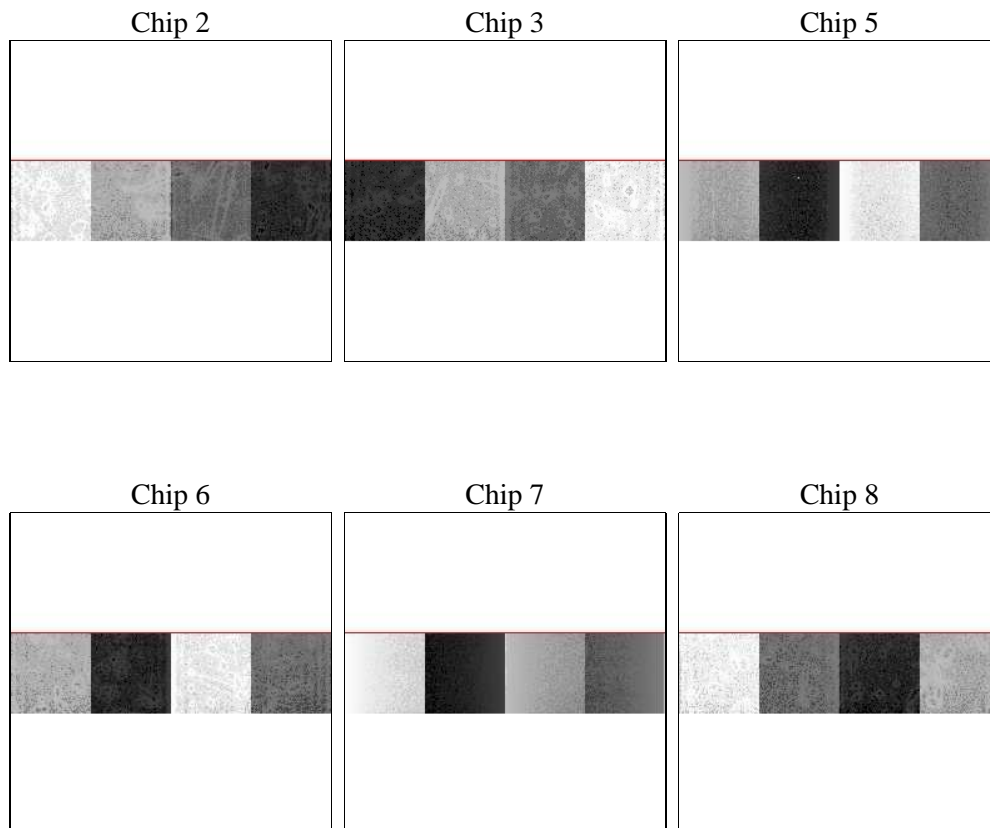
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9433.267000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9984.3990658522	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	9984.4401058555	Sum of GTIs [s]
date	2012-10-15T12:49:04	Date and time of file creation	ontime3	9984.2759458423	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9984.3580258489	Sum of GTIs [s]
			ontime6	9984.3169858456	Sum of GTIs [s]
			ontime7	9984.3990658522	Sum of GTIs [s]
			ontime8	9984.2349058688	Sum of GTIs [s]
			l1events	298106	Number of level 1 events

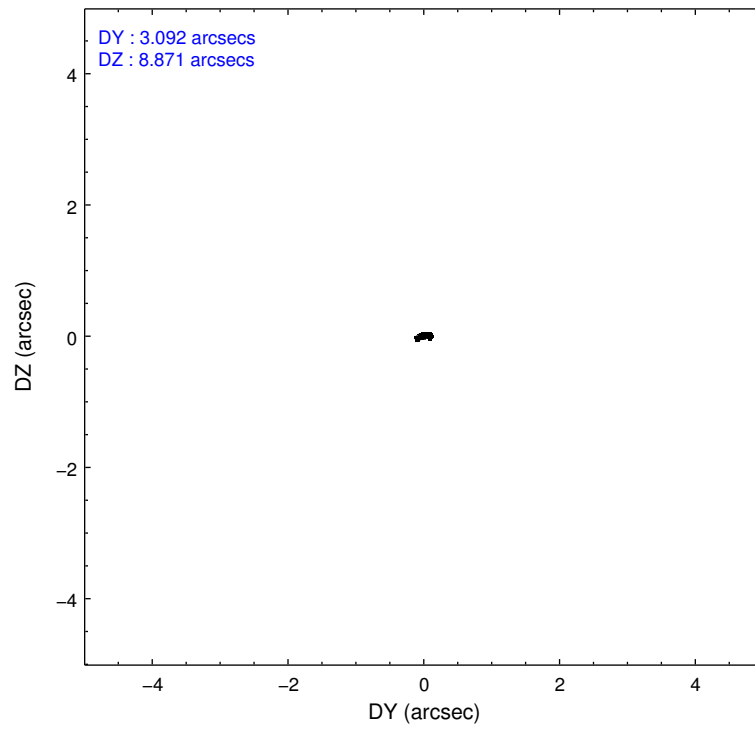
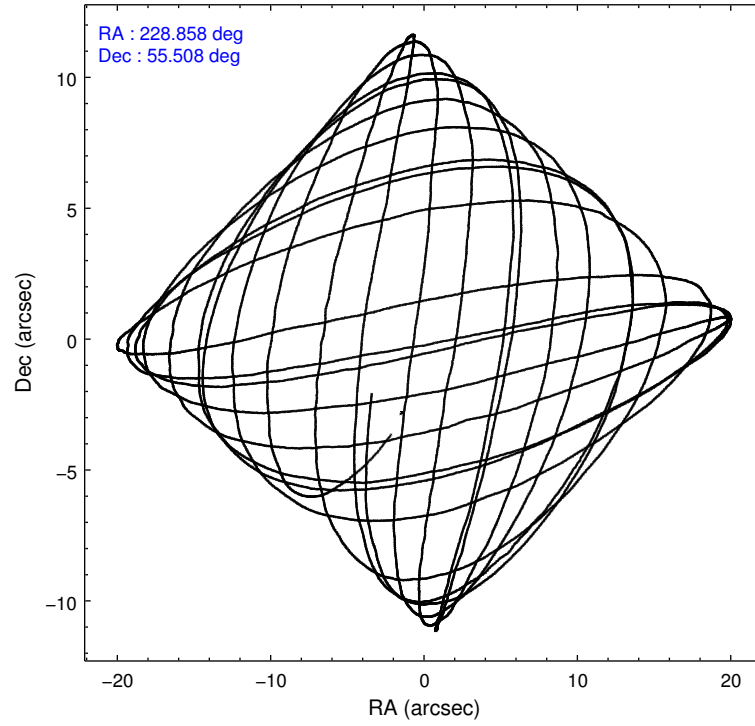
2.1.4 Events

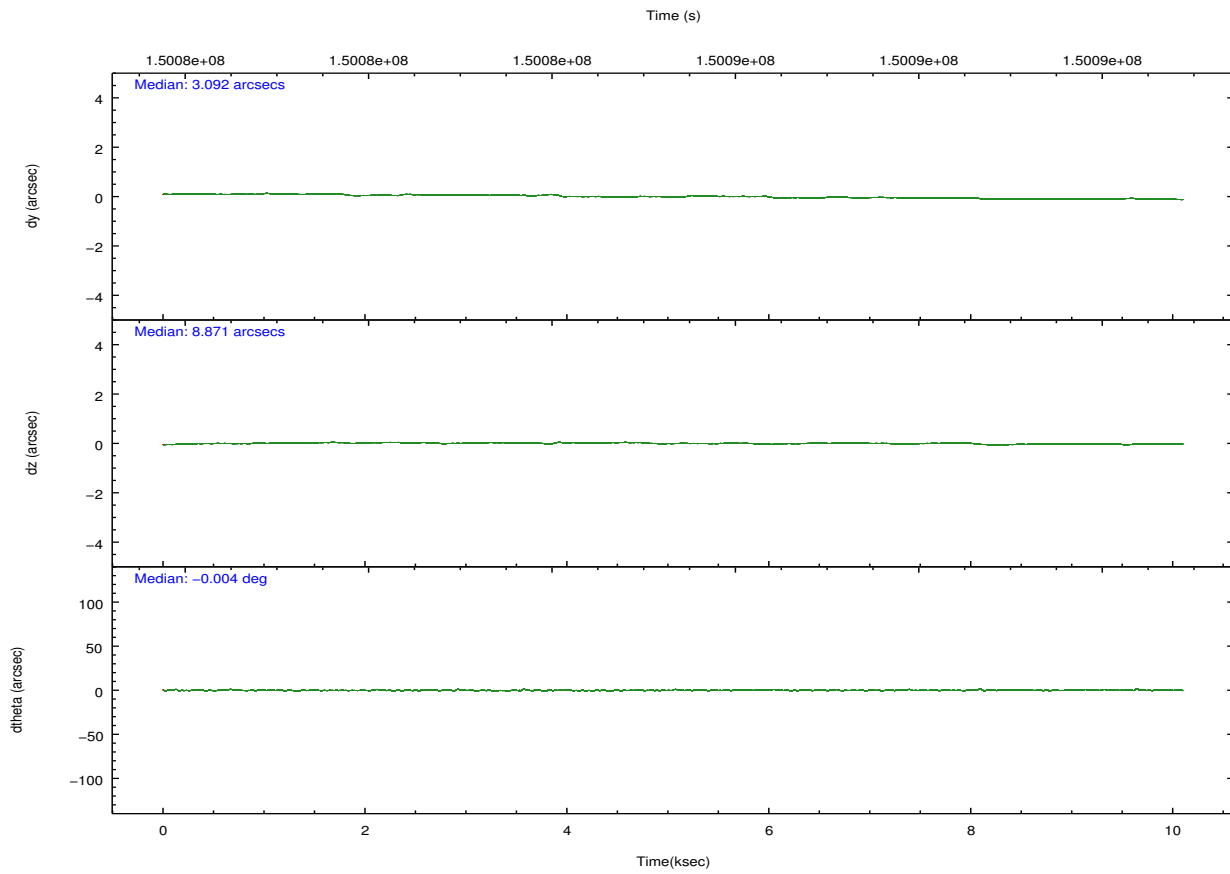
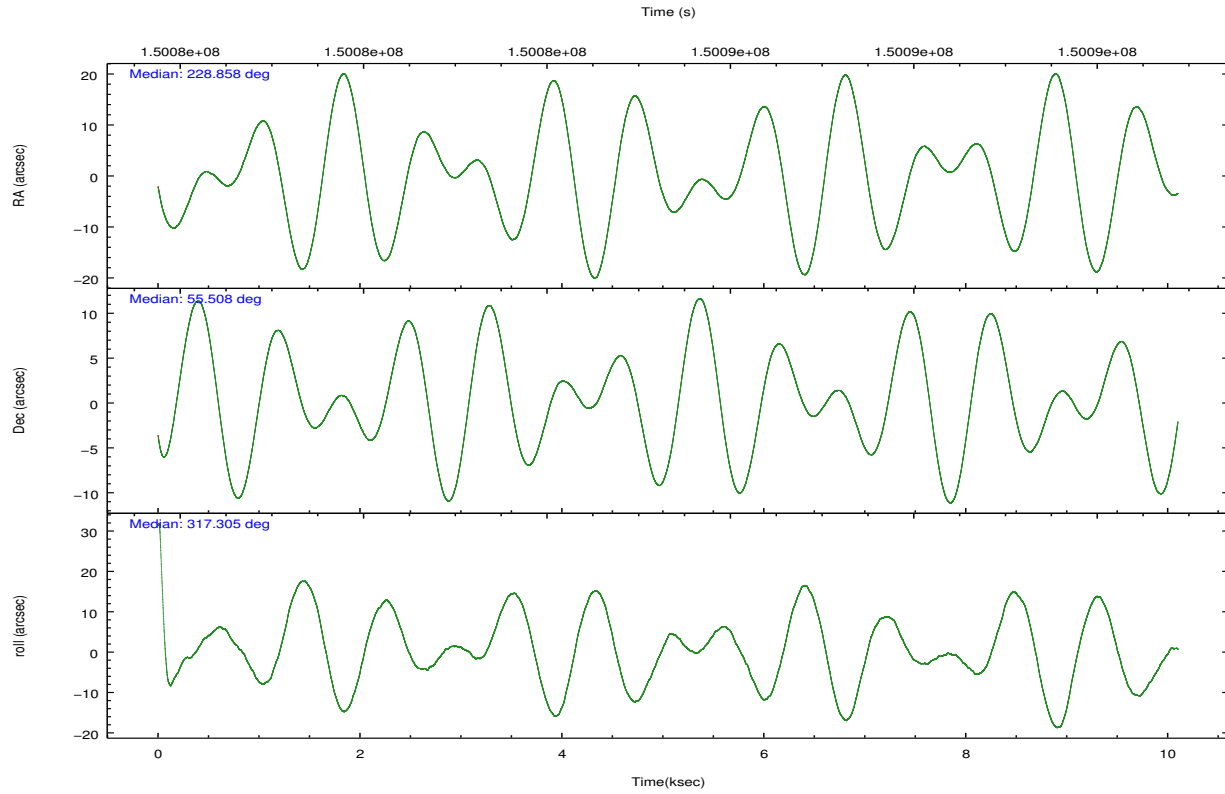
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30397	28401	86177	33650	79603	39878	grade 0 events	9308	8700	16868	12361	7026	13124
rejected events	17631	16231	17398	16834	14226	20420		30%	30%	19%	36%	8%	32%
rejected %	58%	57%	20%	50%	17%	51%	grade 1 events	13	19	60	13	29	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	1537	1574	16835	2311	11457	2628
								5%	5%	19%	6%	14%	6%
							grade 3 events	559	615	4077	619	5163	902
								1%	2%	4%	1%	6%	2%
							grade 4 events	543	566	4107	578	5044	929
								1%	1%	4%	1%	6%	2%
							grade 5 events	686	661	2685	717	2307	857
								2%	2%	3%	2%	2%	2%
							grade 6 events	823	716	26907	951	36703	1879
								2%	2%	31%	2%	46%	4%
							grade 7 events	16928	15550	14638	16100	11874	19533
								55%	54%	16%	47%	14%	48%

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	228.810770	228.8578013303104	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	55.513742	55.50809330341588	Subarray start row	385	385
[deg] Pointing Roll	317.199817	317.3177332056206	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.1
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	150080940.184000	150079741.34736			
Observation start date	2002-10-04T01:07:56	2002-10-04T00:49:01			
[s] Observation end time (MET)	150090373.184000	150090687.83531			
Observation end date	2002-10-04T03:45:09	2002-10-04T03:51:27			
Read mode	TIMED	TIMED			

2.3 Aspect



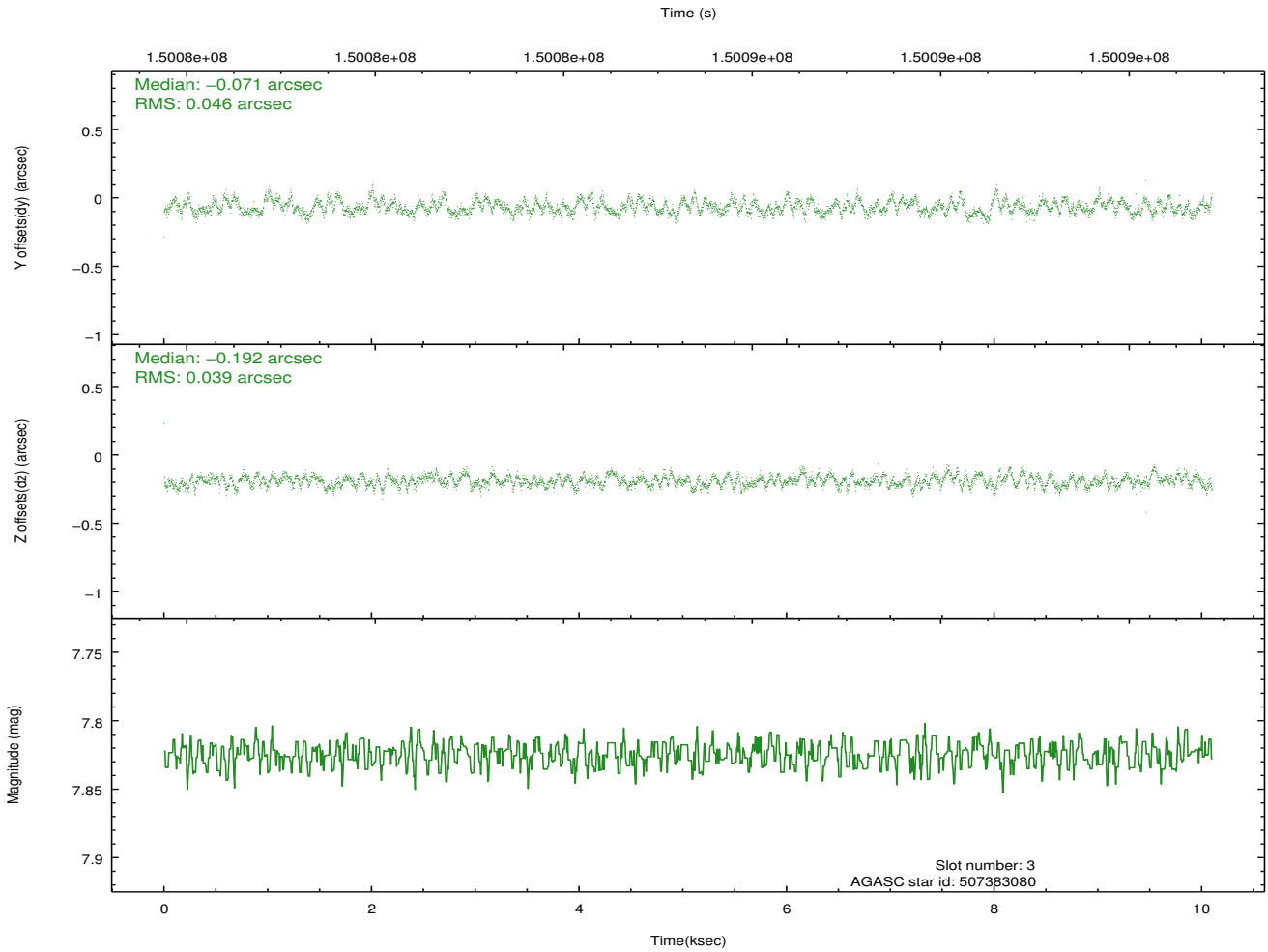
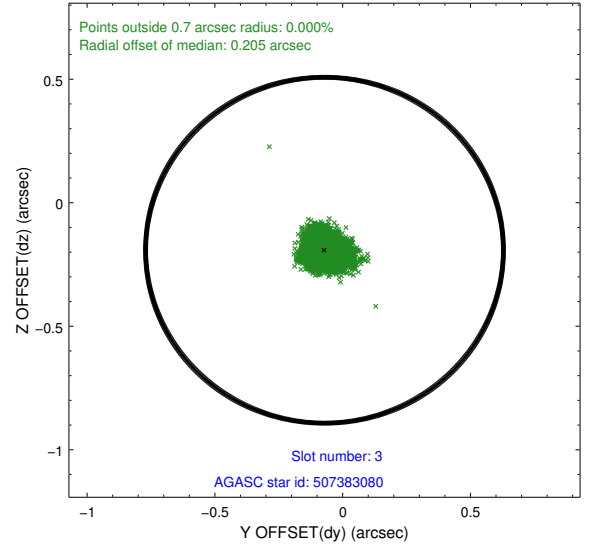
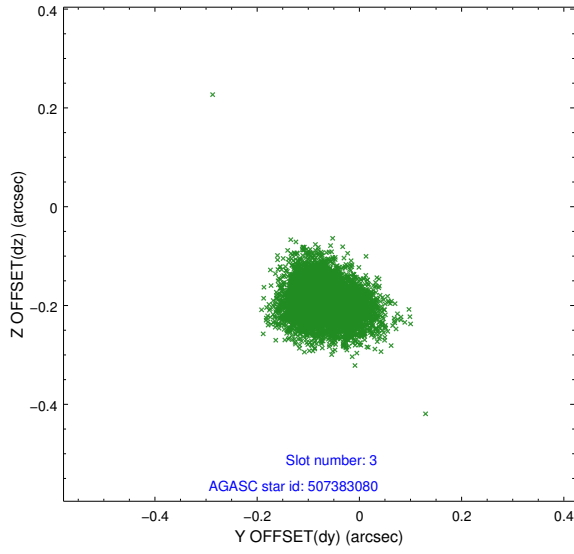


Slot Statistics

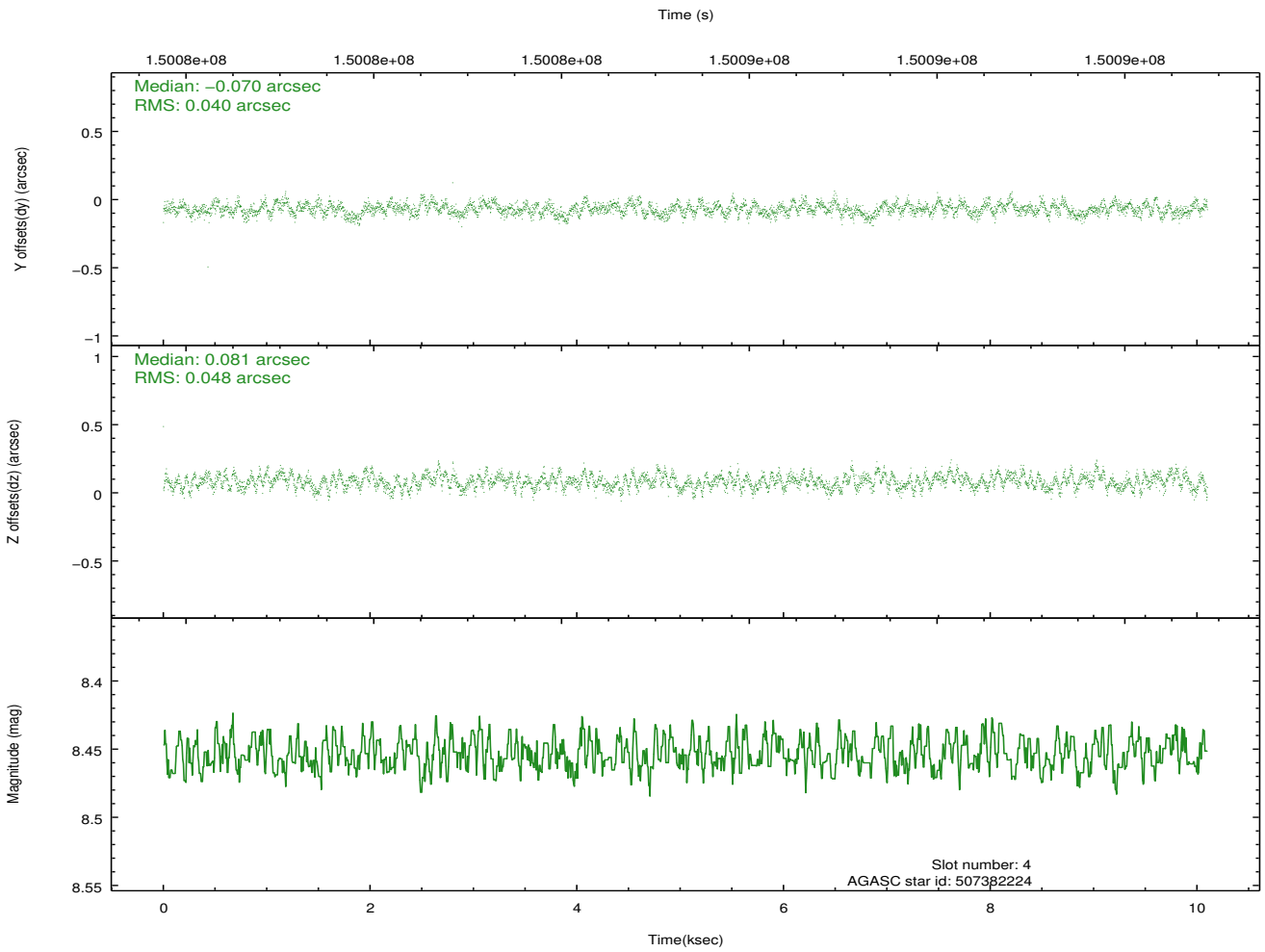
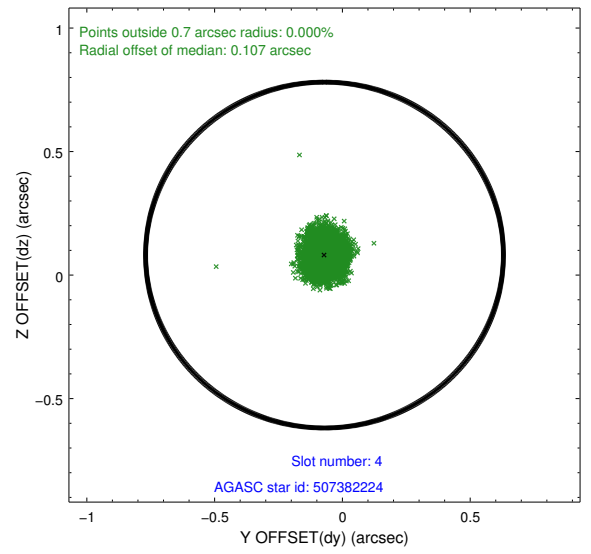
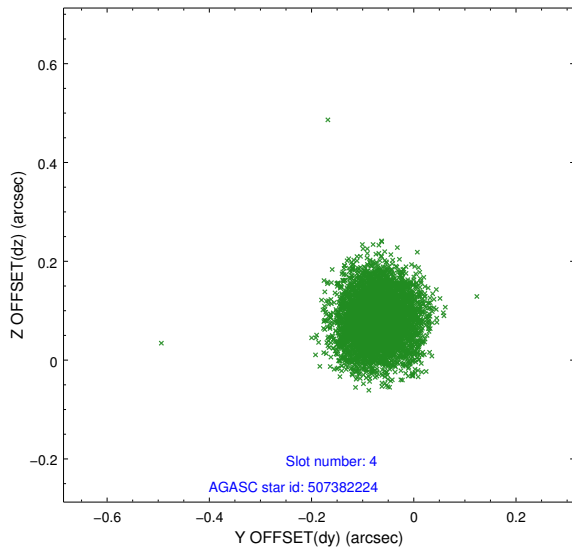
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2464	-0.020	-0.008	0.007	0.011	0.000000	0.000000	-755.76	-1730.04
1	FID	ACIS-S-4	7.20	2464	0.003	0.012	0.007	0.012	0.000000	0.000000	2157.31	177.92
2	FID	ACIS-S-5	7.24	2464	-0.014	0.005	0.007	0.012	0.000000	0.000000	-1807.92	172.18
3	GUIDE	507383080	7.83	4928	-0.071	-0.192	0.064	0.100	228.241272	56.046455	-2147.04	632.46
4	GUIDE	507382224	8.45	4928	-0.070	0.081	0.067	0.106	227.706518	55.422449	-1444.82	-1760.41
5	GUIDE	507383608	8.41	4926	0.020	-0.005	0.067	0.110	228.419739	56.118692	-2057.93	1066.11
6	GUIDE	507382176	8.52	4926	0.028	0.046	0.066	0.109	228.417194	55.425629	-376.58	-776.65
7	GUIDE	507382608	9.45	4915	0.094	0.076	0.110	0.190	228.990890	56.011036	-951.48	1560.49

2.4 Star Slots

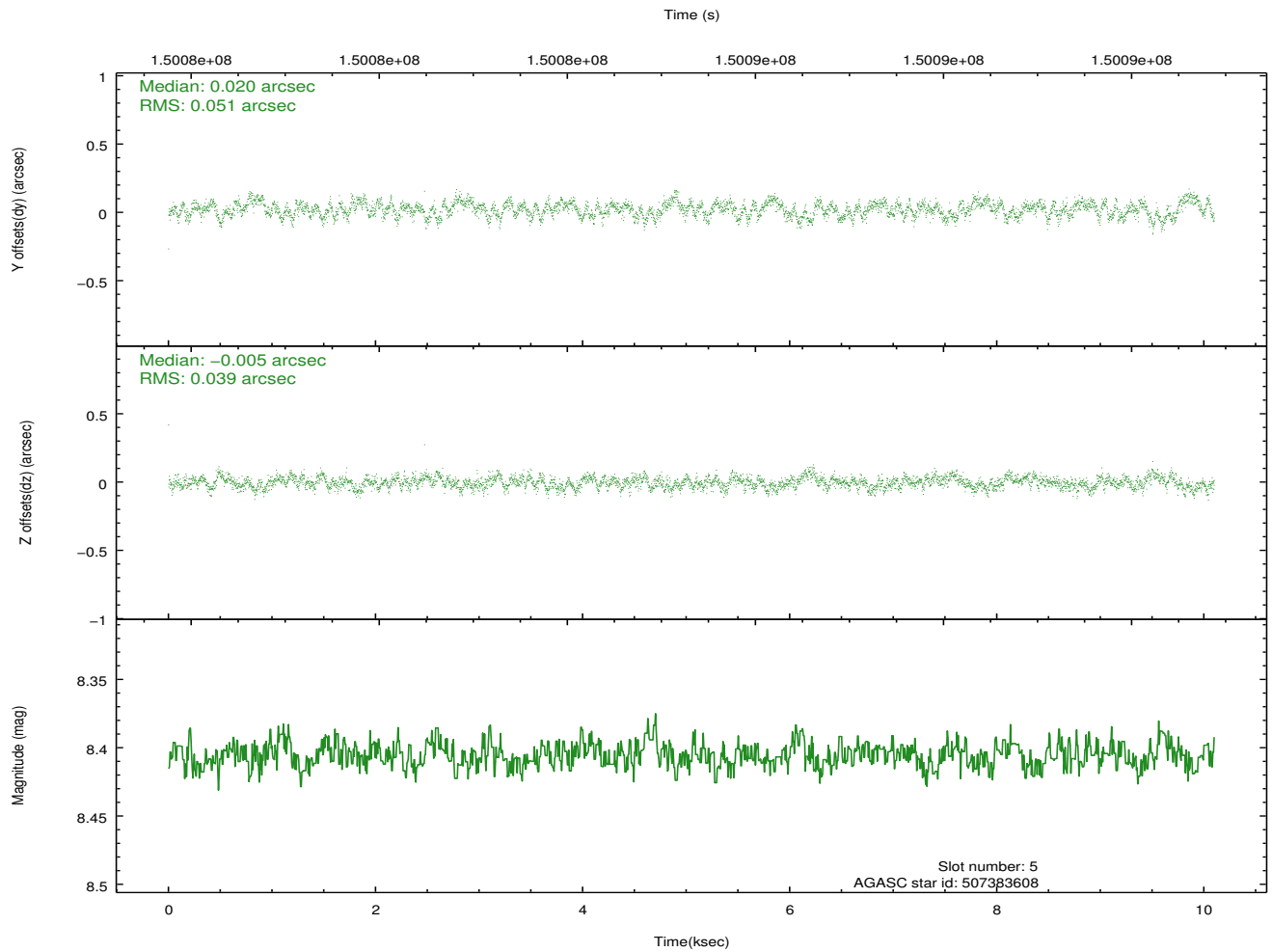
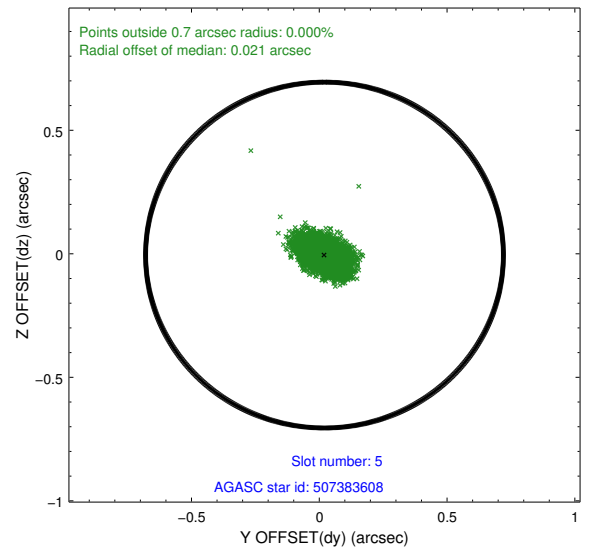
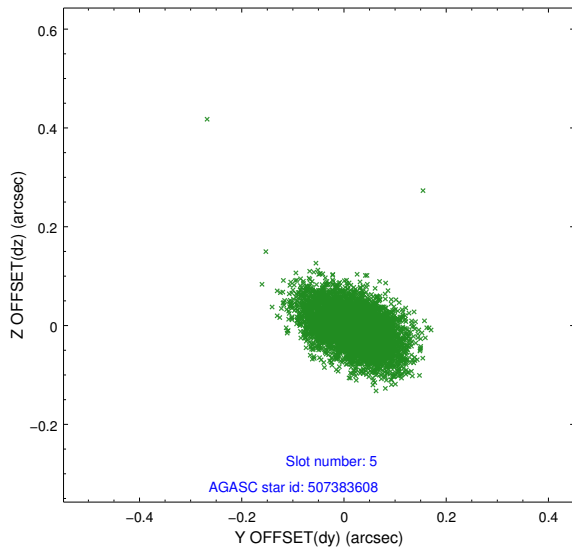
2.4.1 Slot 3



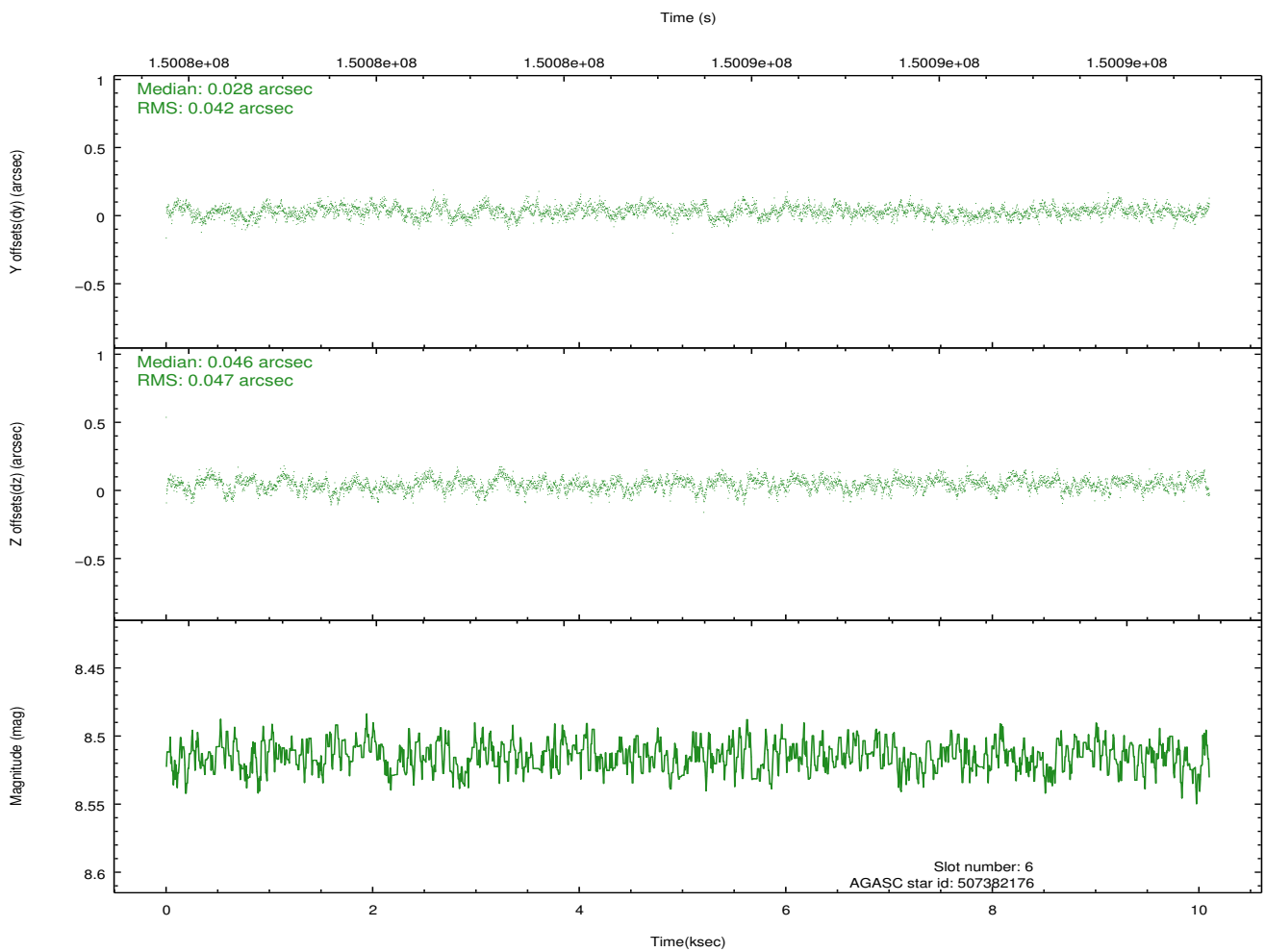
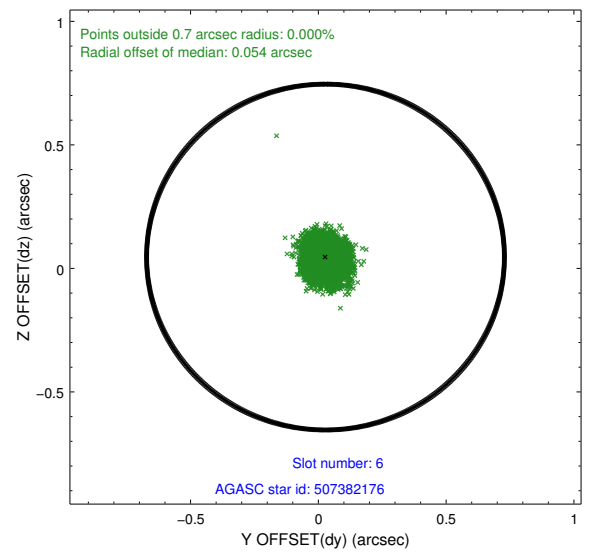
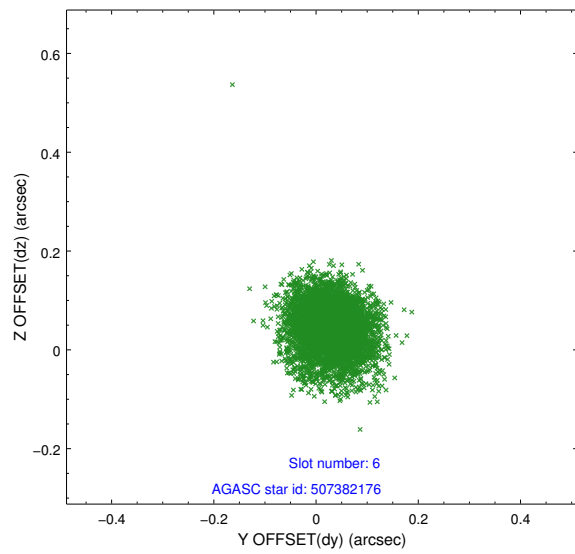
2.4.2 Slot 4



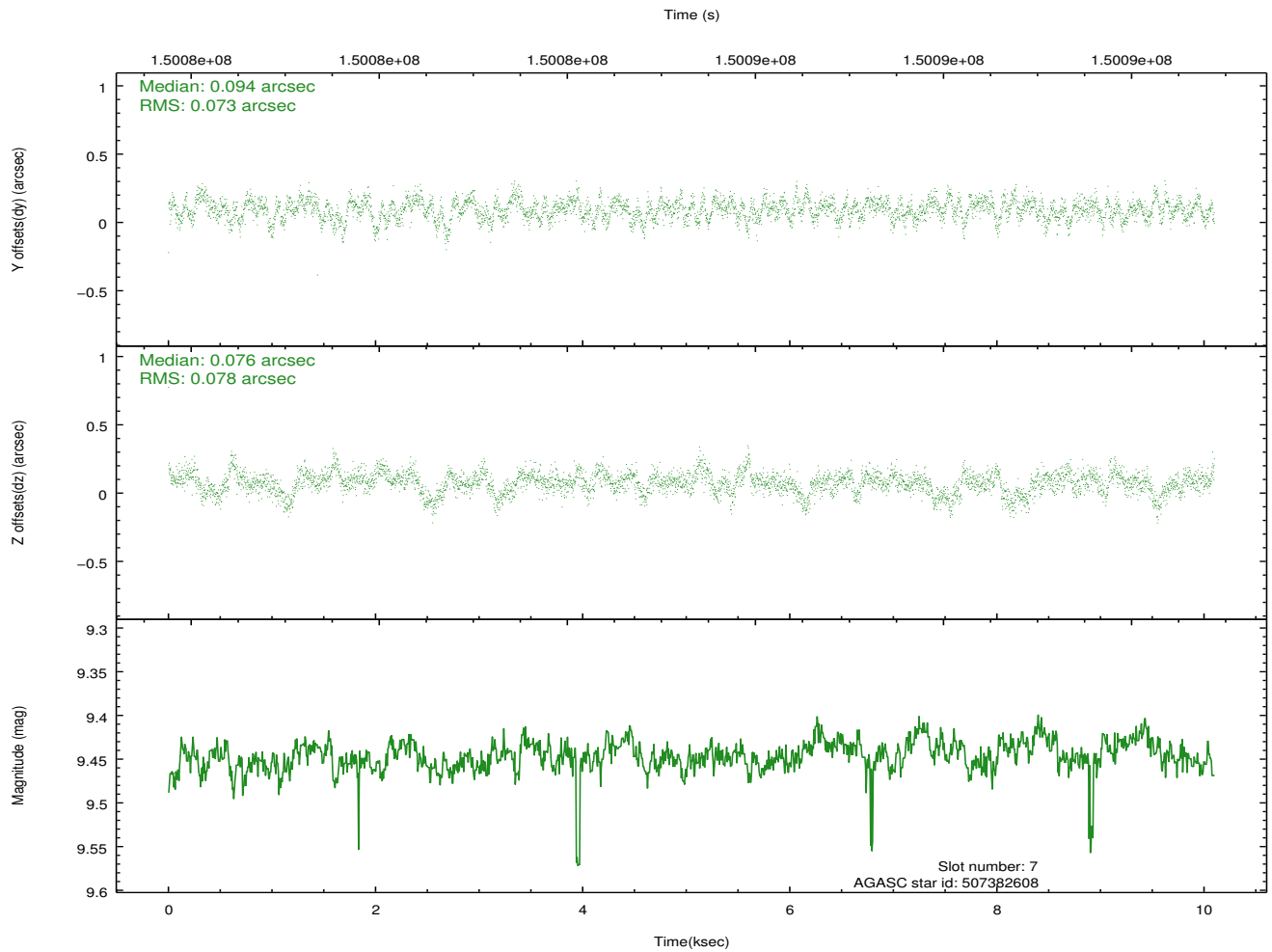
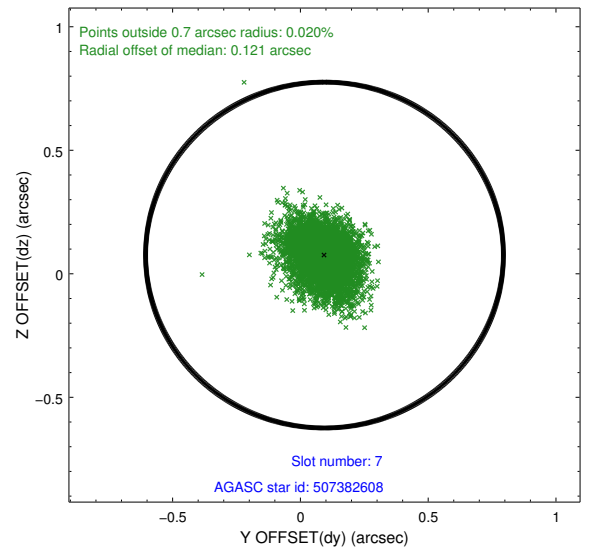
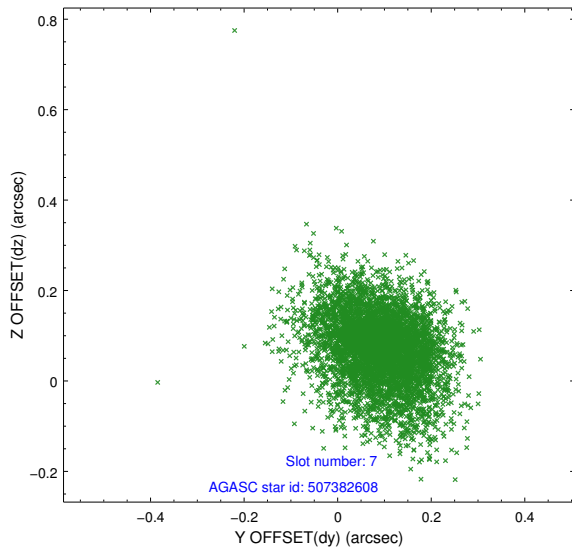
2.4.3 Slot 5



2.4.4 Slot 6

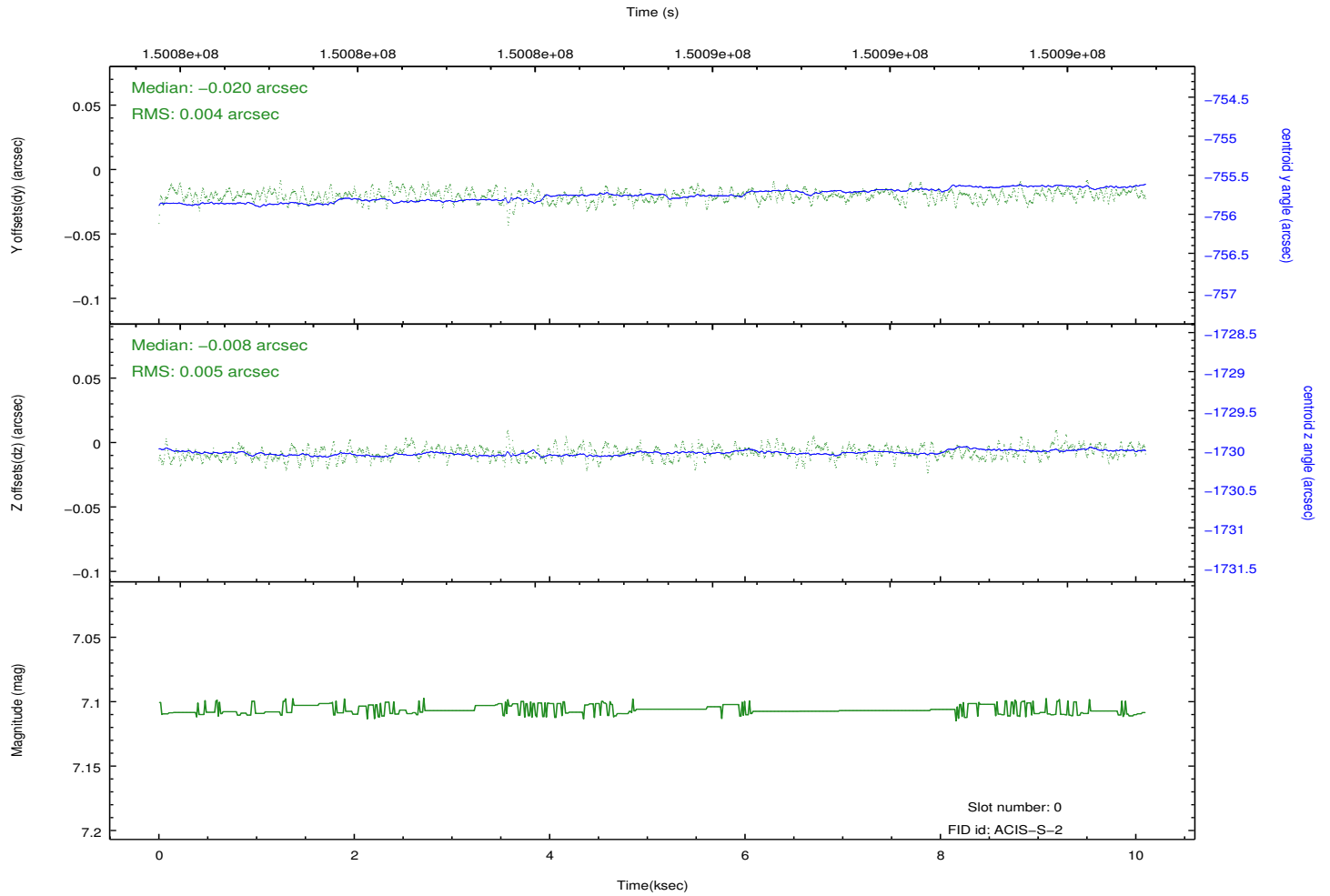
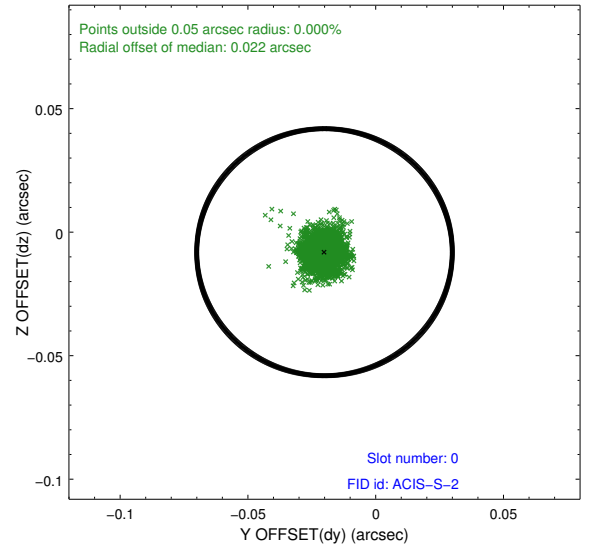
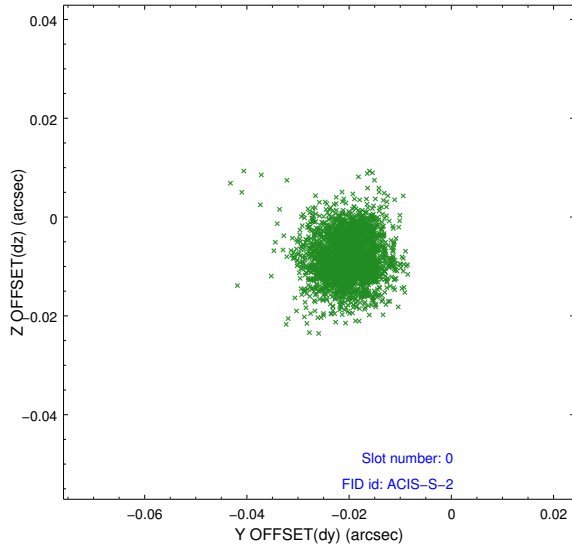


2.4.5 Slot 7

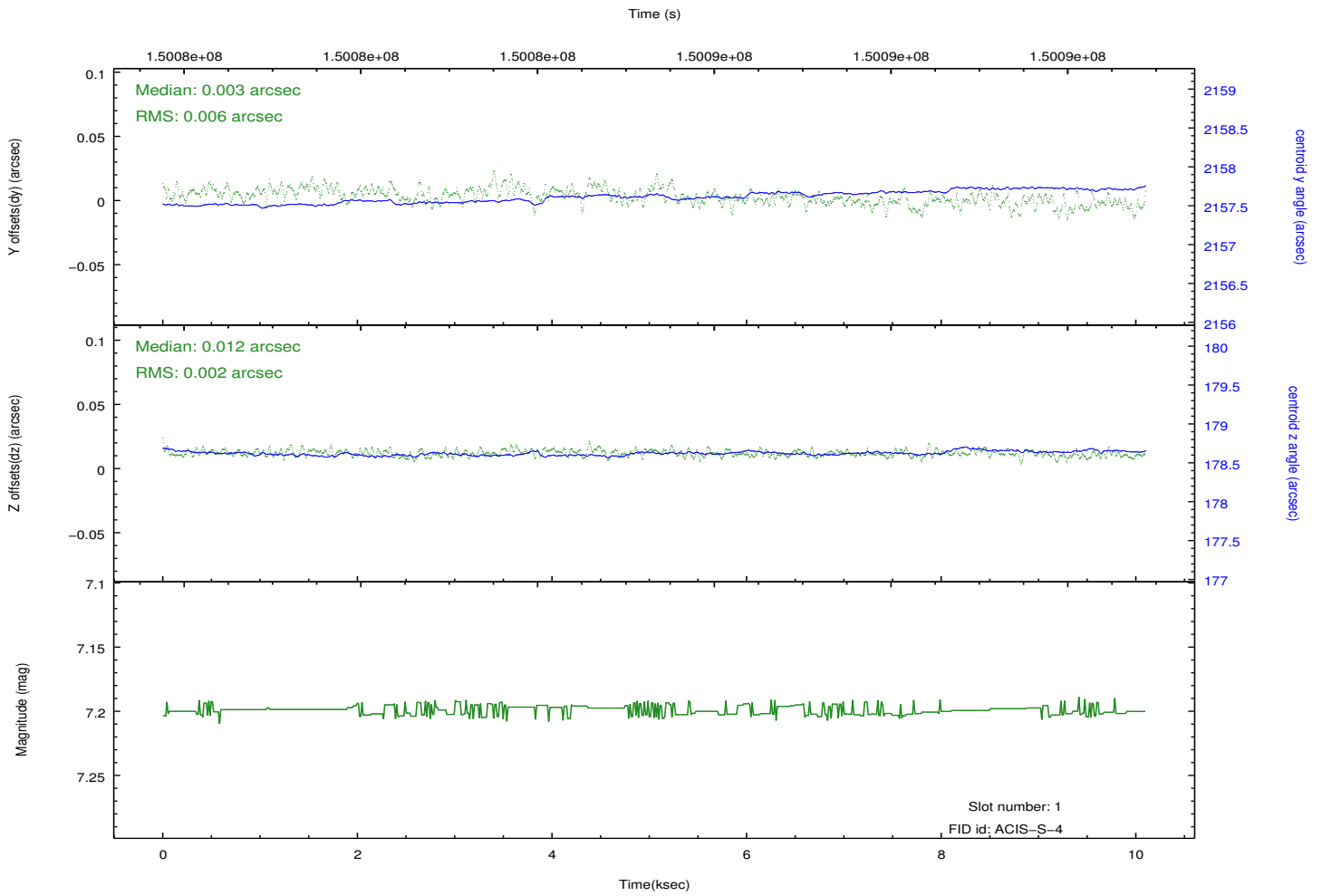
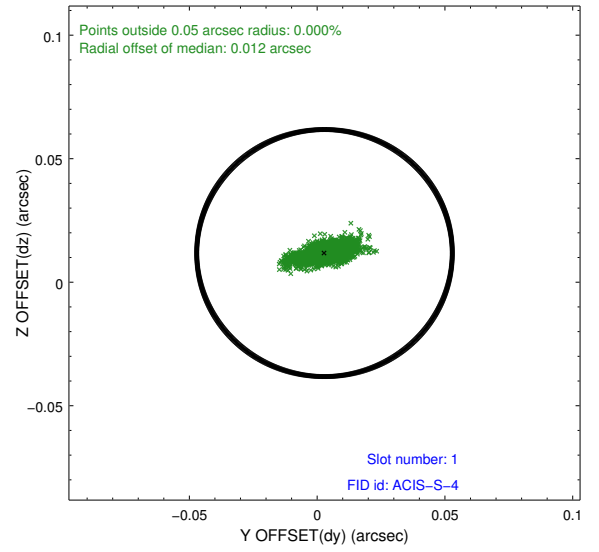
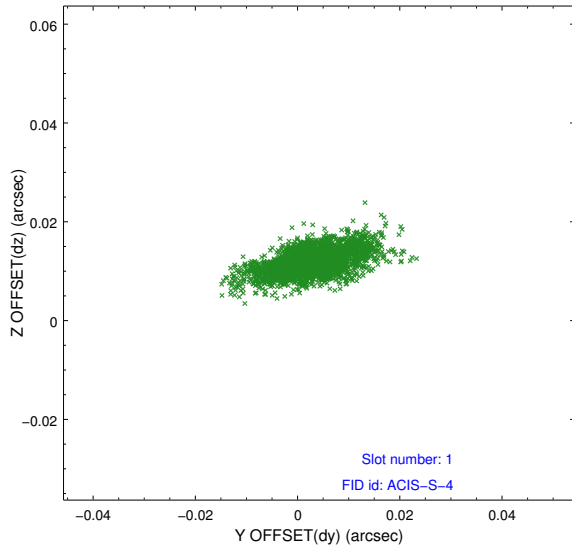


2.5 FID Slots

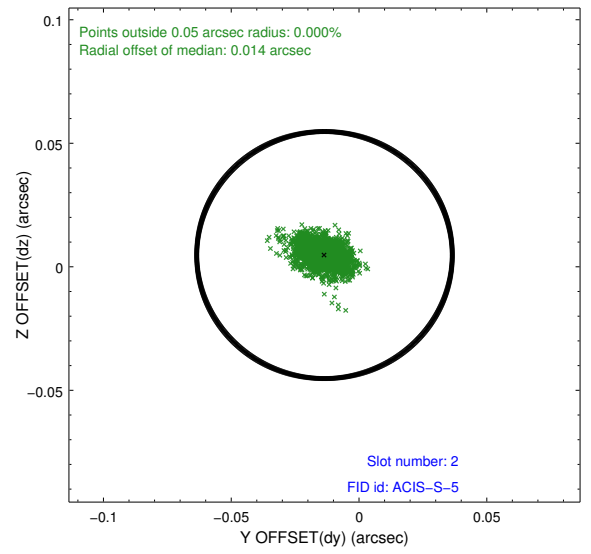
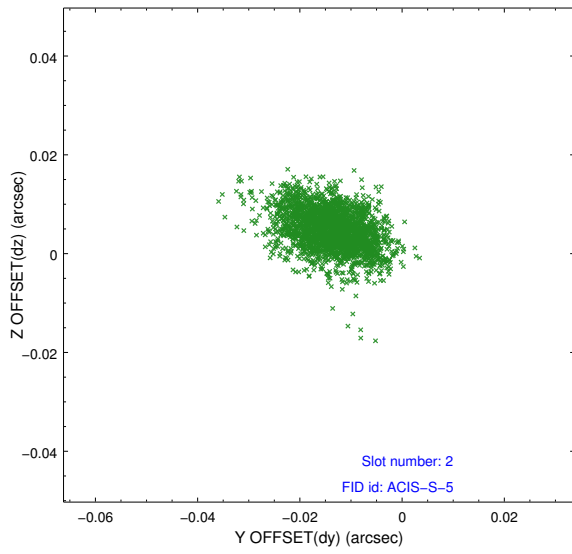
2.5.1 Slot 0



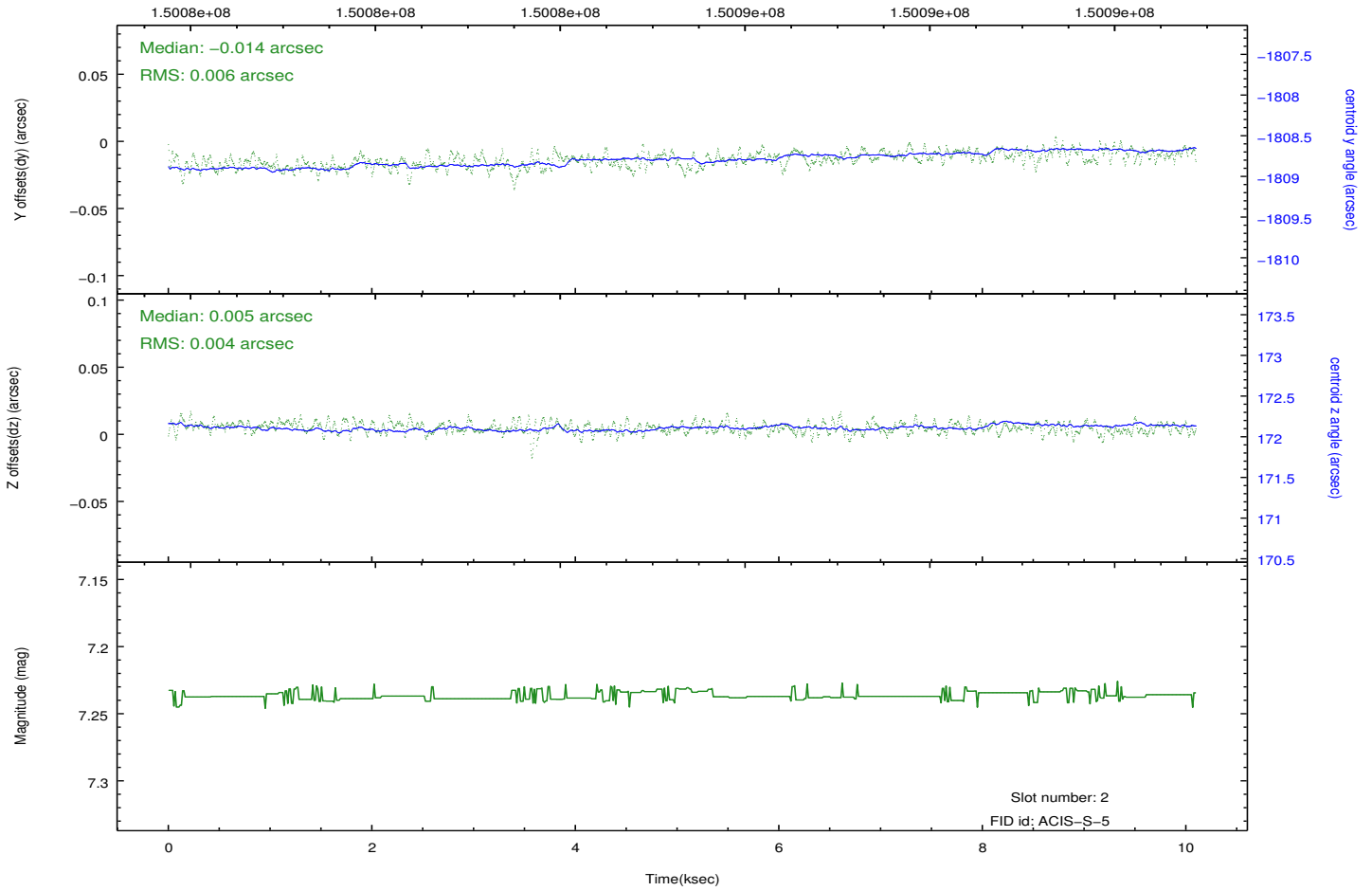
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.984

A.2 Comments