

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3067 - L2 Version 3
Chandra X-Ray Center

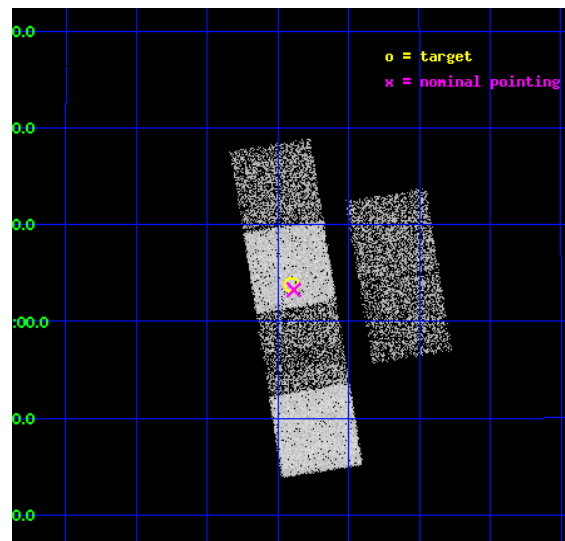
L2 Processing Date : Oct 4 2012

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1 Front

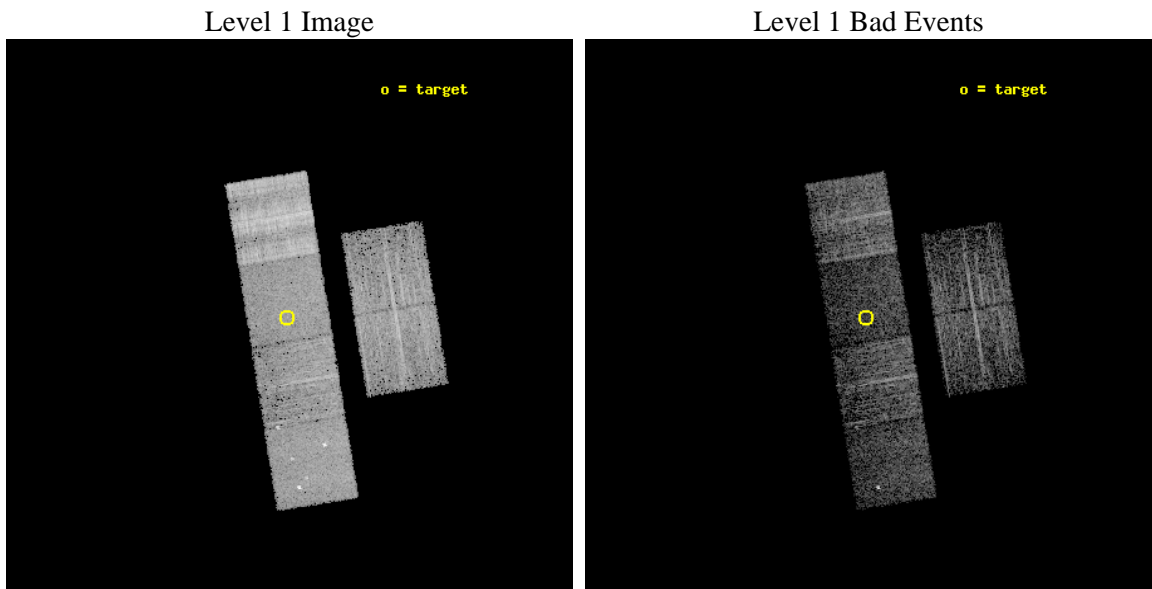
seq_num	700506	Sequence number
obs_id	3067	Observation id
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?	Proposal title
observer	Dr Guido Risaliti	Principal investigator
object	HS 0854+0915	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	134.35	Observer's specified target RA [deg]
dec_targ	9.063611	Observer's specified target Dec [deg]
ra_nom	134.34673618546	Nominal RA [deg]
dec_nom	9.05436781256	Nominal Dec [deg]
roll_nom	260.80058807993	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3755.3971920609	Sum of GTIs [s]
livetime	3707.8440915864	Livetime [s]
ontime2	3755.4382320642	Sum of GTIs [s]
ontime3	3755.2740720659	Sum of GTIs [s]
ontime5	3755.3561520576	Sum of GTIs [s]
ontime6	3755.3151120692	Sum of GTIs [s]
ontime7	3755.3971920609	Sum of GTIs [s]
ontime8	3751.9919422269	Sum of GTIs [s]
l2events	39620	Number of level 2 events



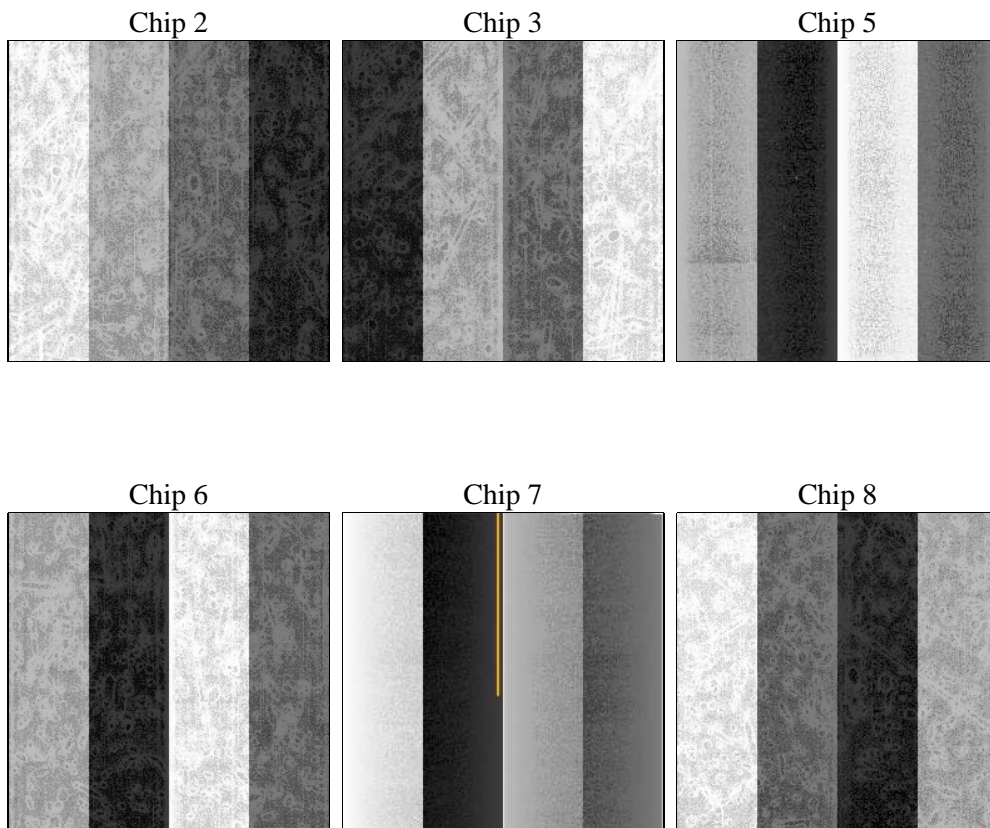
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3755.3971920609	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3755.4382320642	Sum of GTIs [s]
date	2012-10-04T11:56:10	Date and time of file creation	ontime3	3755.2740720659	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3755.3561520576	Sum of GTIs [s]
			ontime6	3755.3151120692	Sum of GTIs [s]
			ontime7	3755.3971920609	Sum of GTIs [s]
			ontime8	3751.9919422269	Sum of GTIs [s]
			l1events	225766	Number of level 1 events

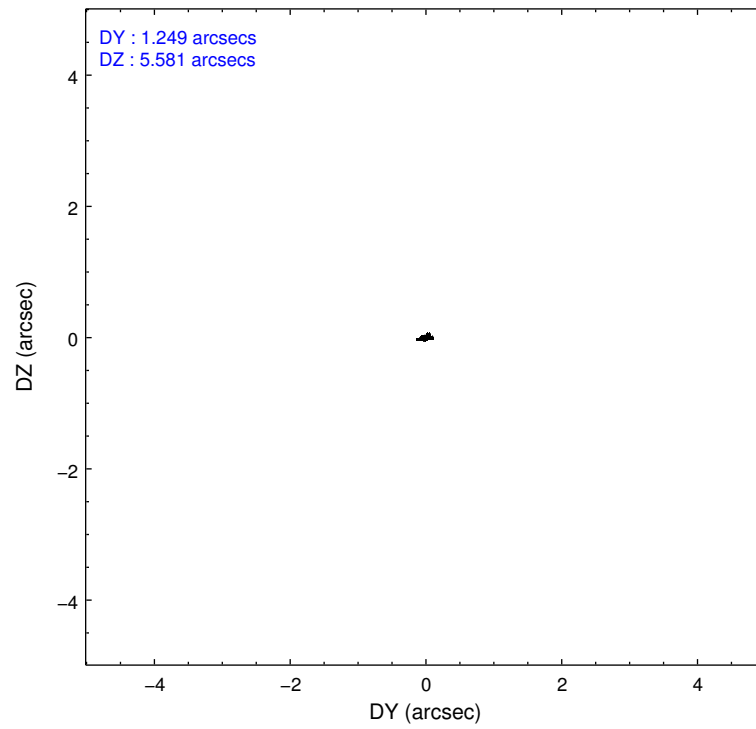
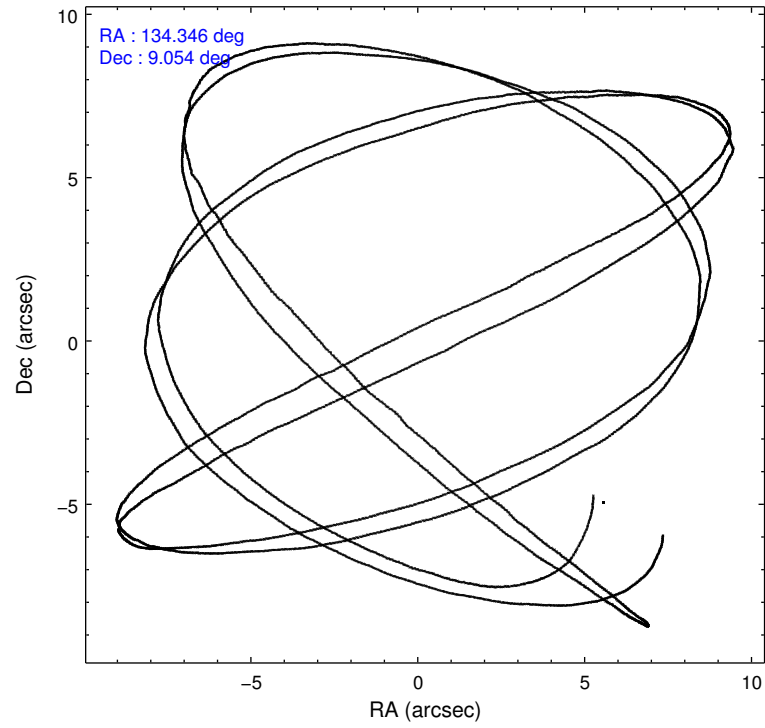
2.1.4 Events

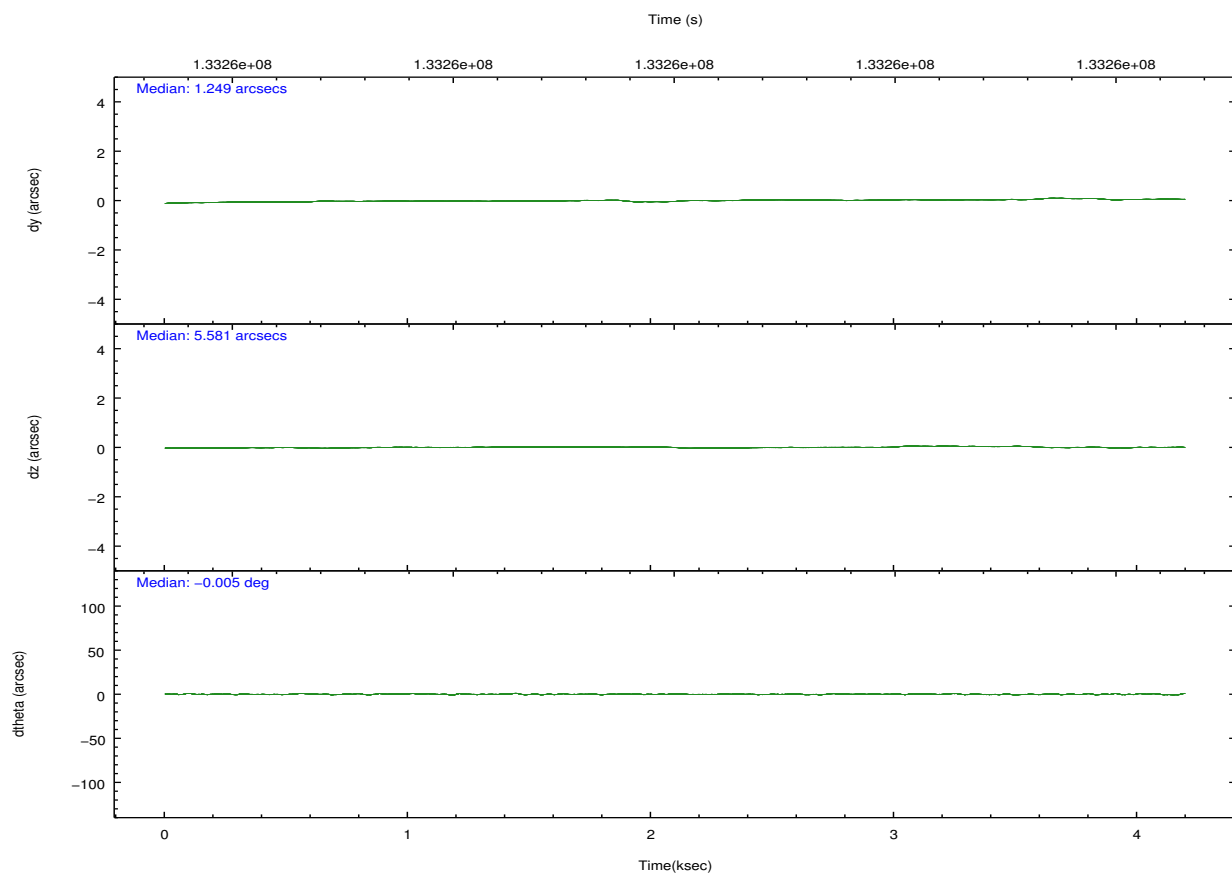
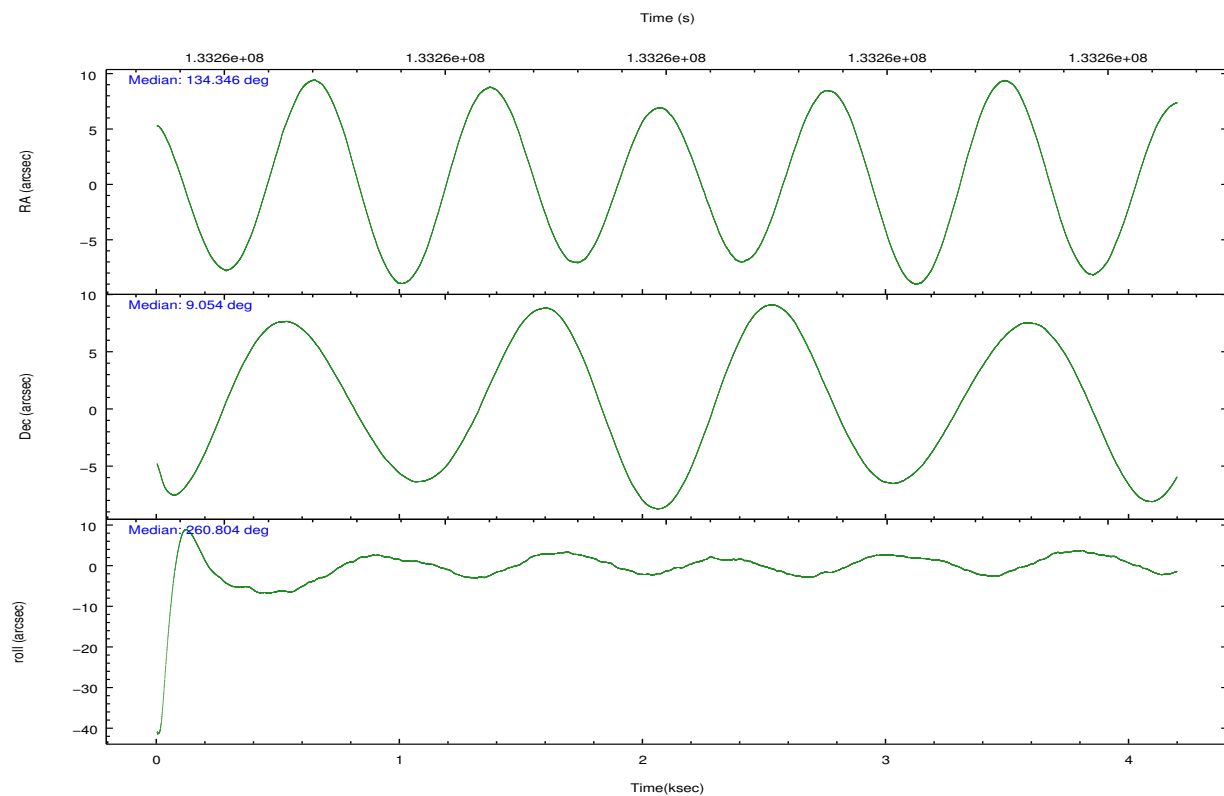
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30877	28584	36754	30538	31303	67710	grade 0 events	1706	1299	2418	1501	1305	7889
rejected events	26644	25275	19311	26707	18153	36881		5%	4%	6%	4%	4%	11%
rejected %	86%	88%	52%	87%	57%	54%	grade 1 events	16	8	77	15	38	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	1268	874	5467	1065	2727	5202
								4%	3%	14%	3%	8%	7%
							grade 3 events	253	218	824	295	1208	4994
								0%	0%	2%	0%	3%	7%
							grade 4 events	318	254	770	247	1159	4457
								1%	0%	2%	0%	3%	6%
							grade 5 events	830	903	2621	973	2916	1643
								2%	3%	7%	3%	9%	2%
							grade 6 events	690	665	7978	728	6767	8325
								2%	2%	21%	2%	21%	12%
							grade 7 events	25796	24363	16599	25714	15183	35132
								83%	85%	45%	84%	48%	51%

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	134.336624	134.346736185462	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.079807	9.054367812560043	Alternating exposures requested	N	N
[deg] Pointing Roll	260.645701	260.8005880799304	[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)	133260103.184000	133259498.34547			
Observation start date	2002-03-23T08:40:39	2002-03-23T08:31:38			
[s] Observation end time (MET)	133264103.184000	133264997.47069			
Observation end date	2002-03-23T09:47:19	2002-03-23T10:03:17			
Read mode	TIMED	TIMED			

2.3 Aspect



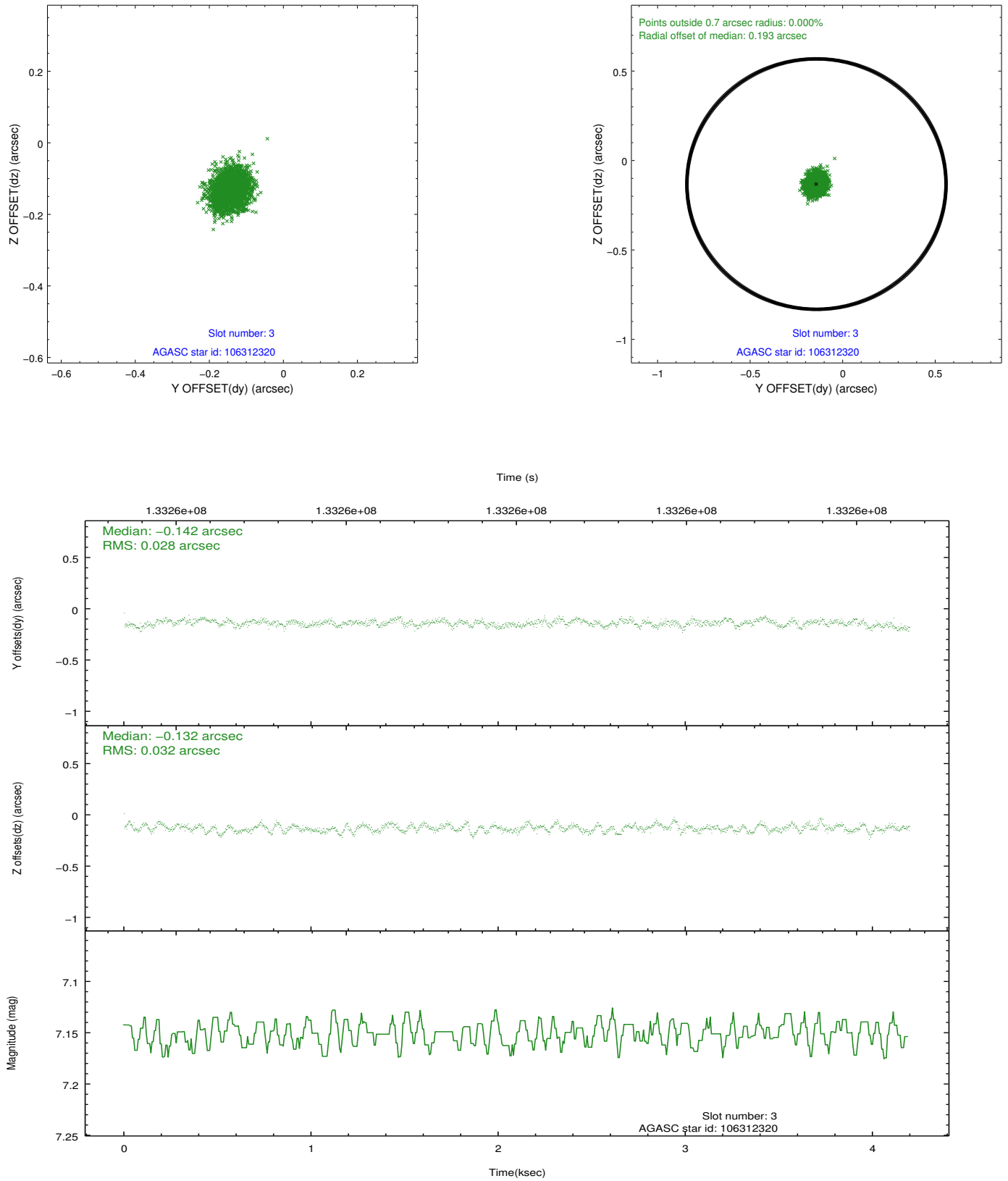


Slot Statistics

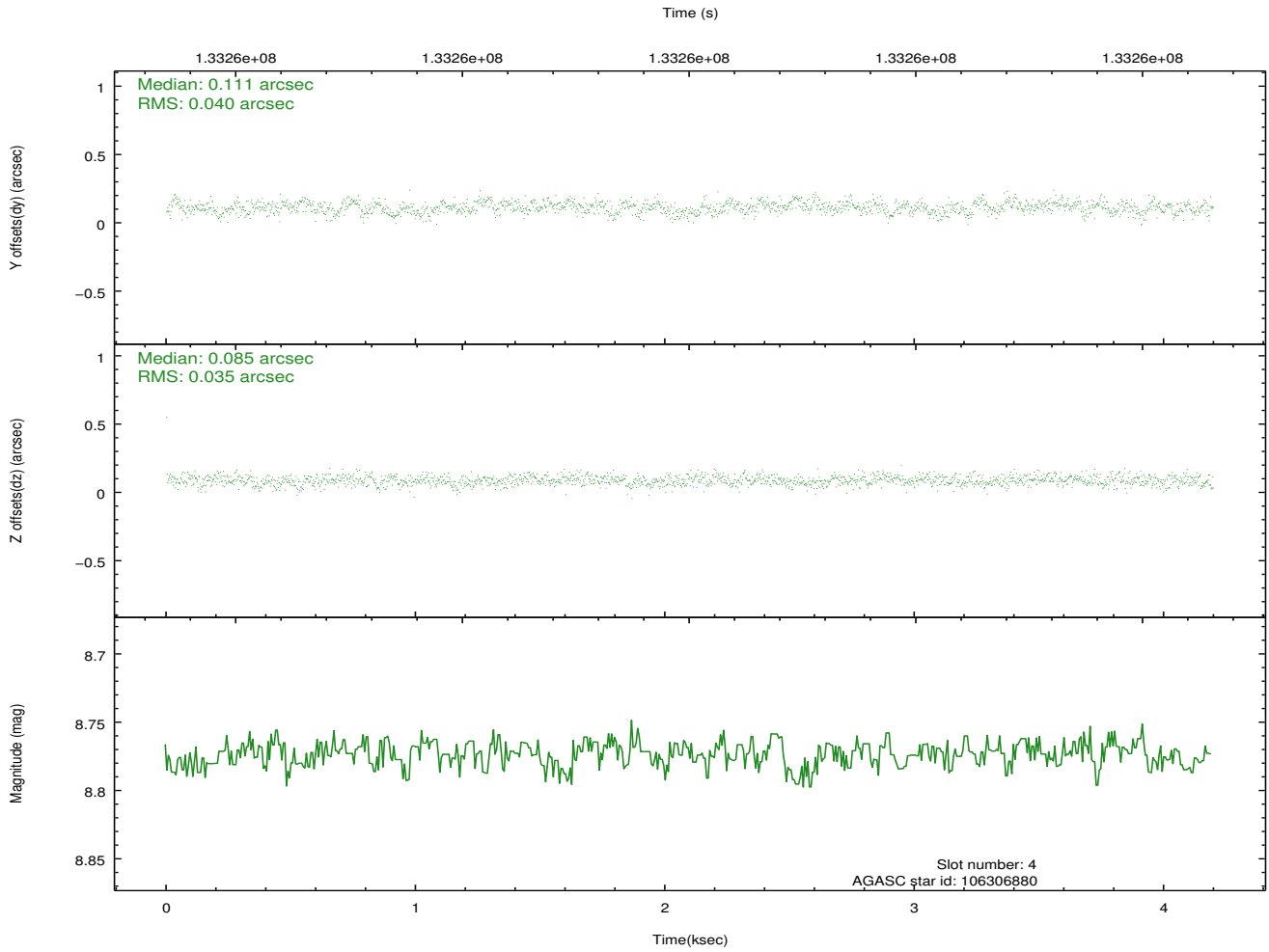
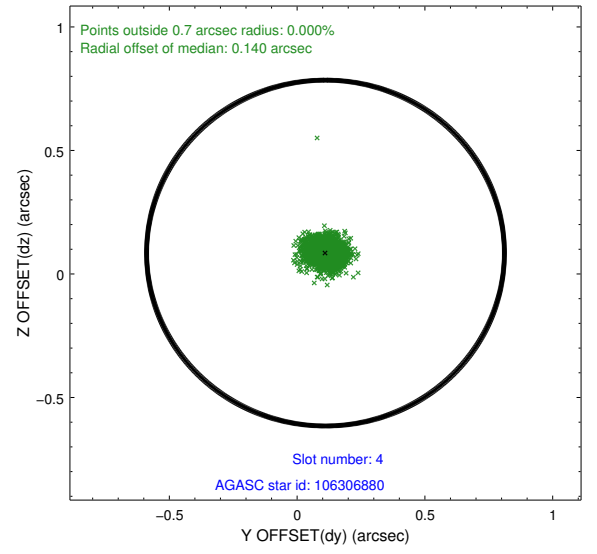
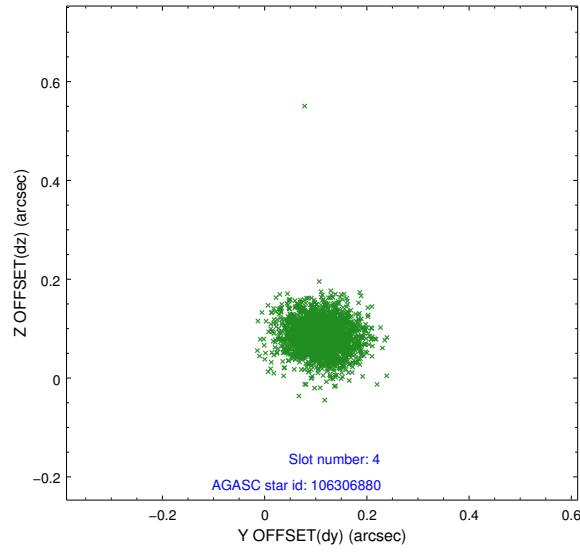
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1024	-0.052	0.008	0.007	0.011	0.000000	0.000000	-753.85	-1726.67
1	FID	ACIS-S-4	7.21	1024	-0.010	0.023	0.005	0.010	0.000000	0.000000	2158.76	180.38
2	FID	ACIS-S-5	7.24	1024	0.031	-0.022	0.007	0.011	0.000000	0.000000	-1804.75	175.59
3	GUIDE	106312320	7.15	2048	-0.142	-0.132	0.045	0.070	134.413505	9.271229	-725.43	158.15
4	GUIDE	106306880	8.77	2048	0.111	0.085	0.056	0.091	134.648322	8.383366	2291.91	1503.67
5	GUIDE	106313376	8.88	2048	0.082	0.043	0.063	0.099	134.592798	8.712878	1155.26	1115.58
6	GUIDE	106312984	9.20	2045	-0.013	-0.071	0.090	0.152	134.405151	8.941924	449.80	322.32
7	GUIDE	106308520	9.03	2046	-0.035	0.073	0.073	0.118	134.653649	9.457196	-1524.70	890.97

2.4 Star Slots

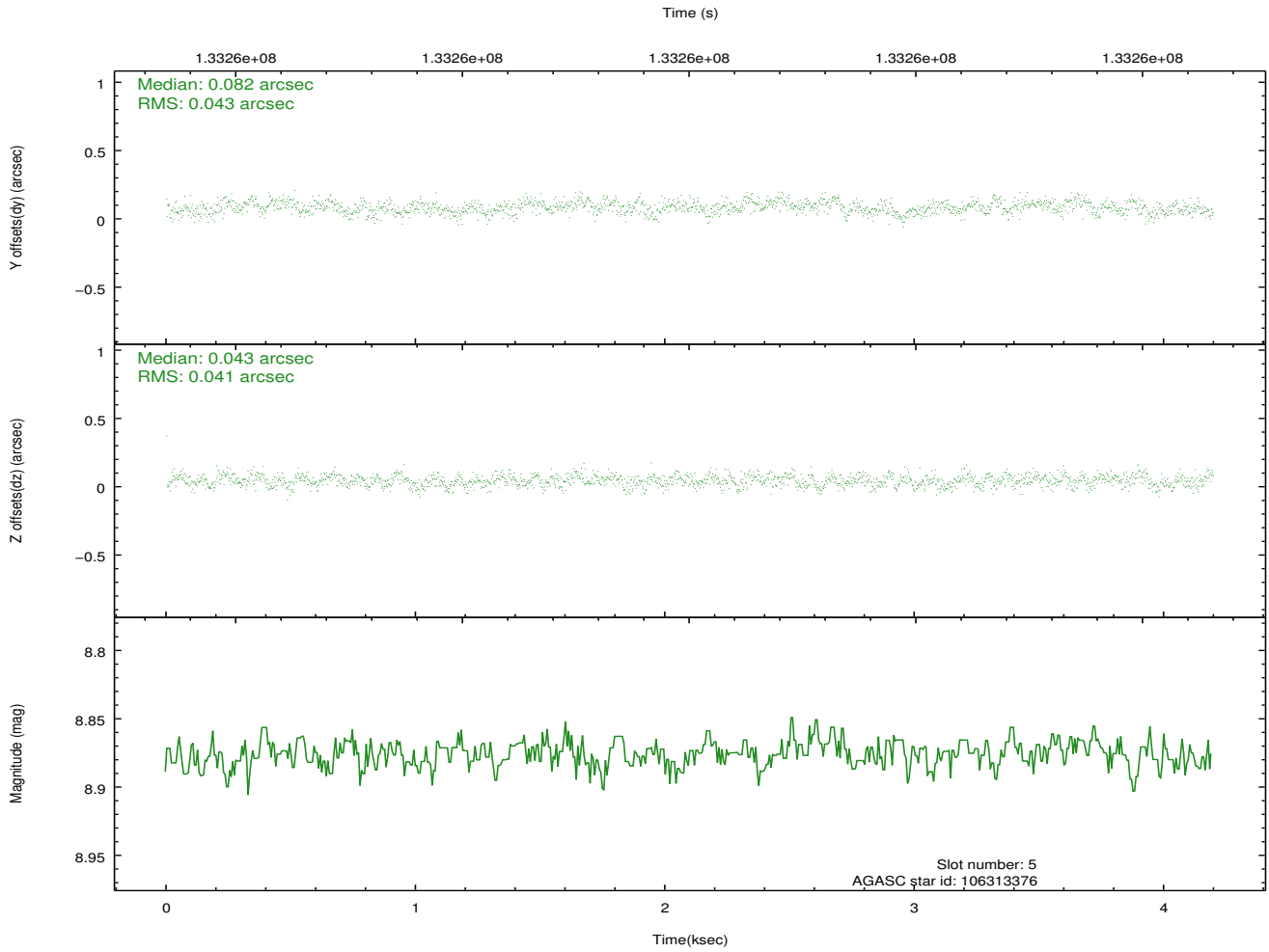
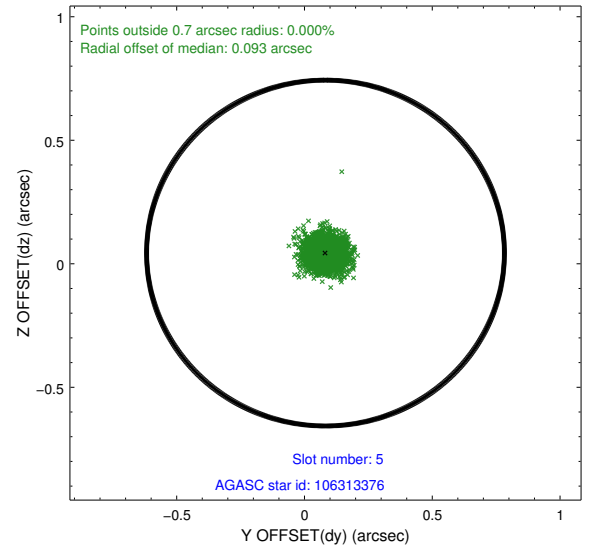
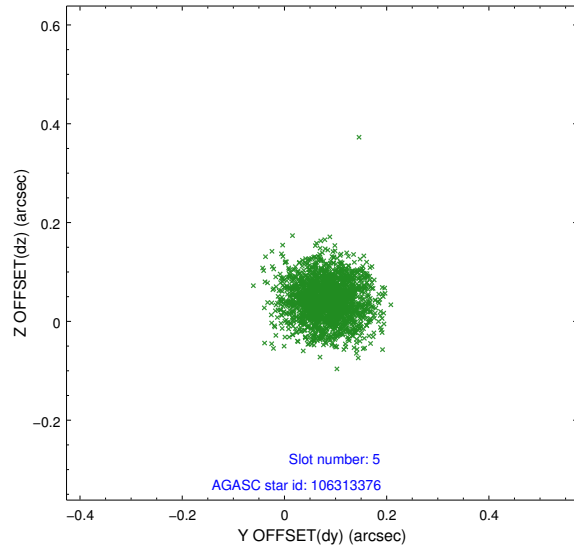
2.4.1 Slot 3



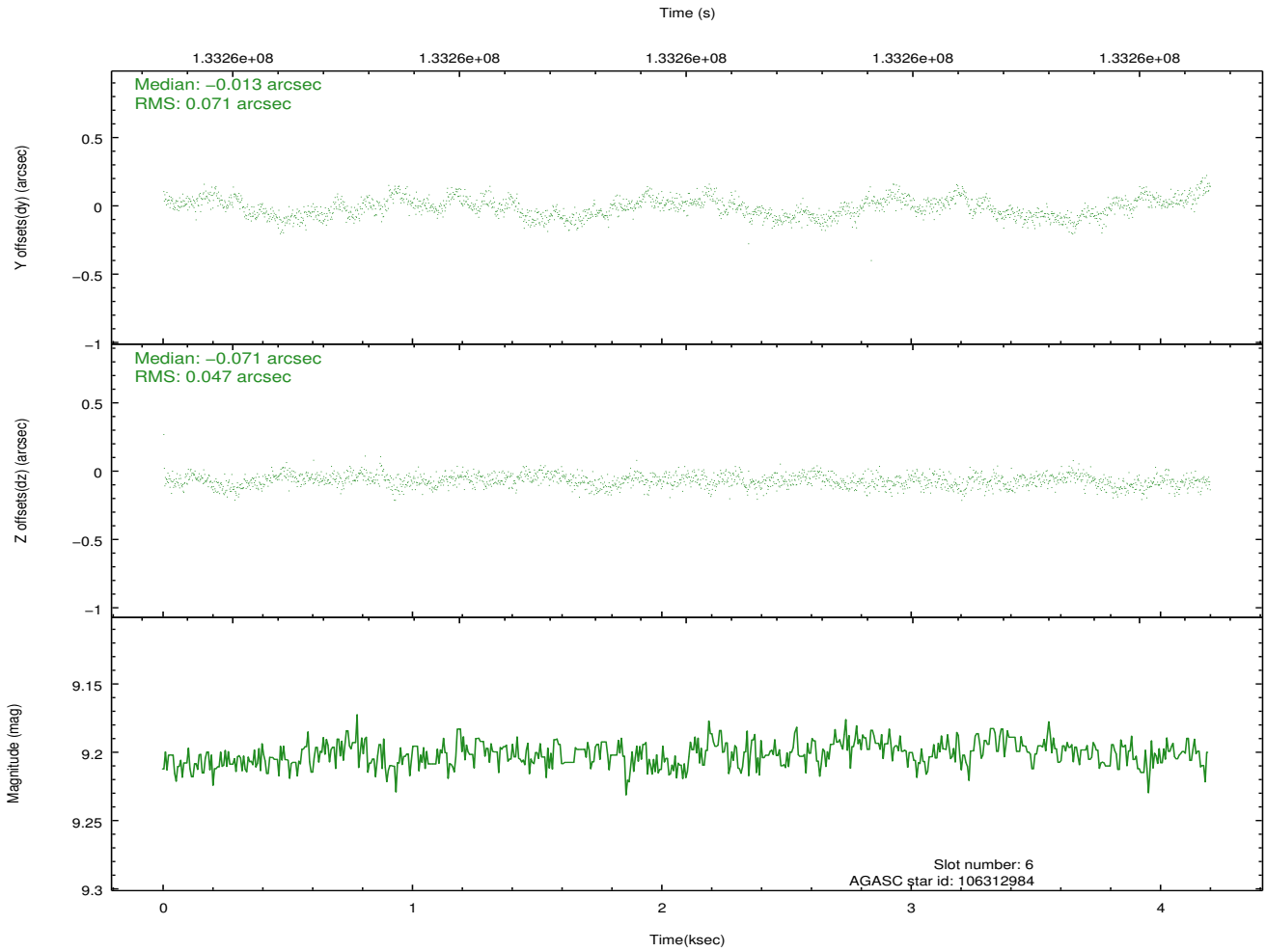
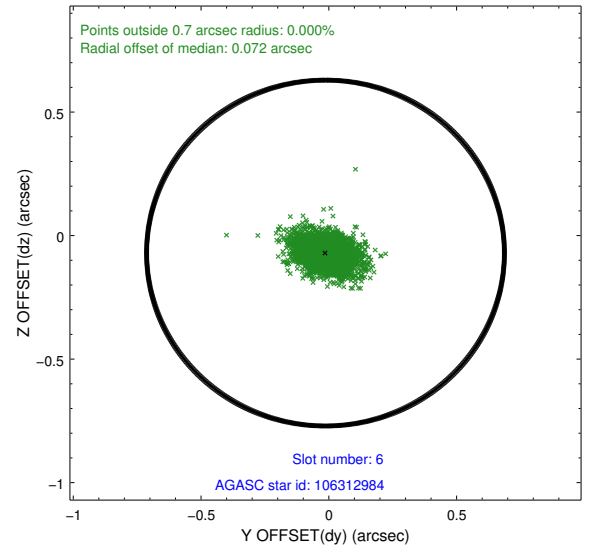
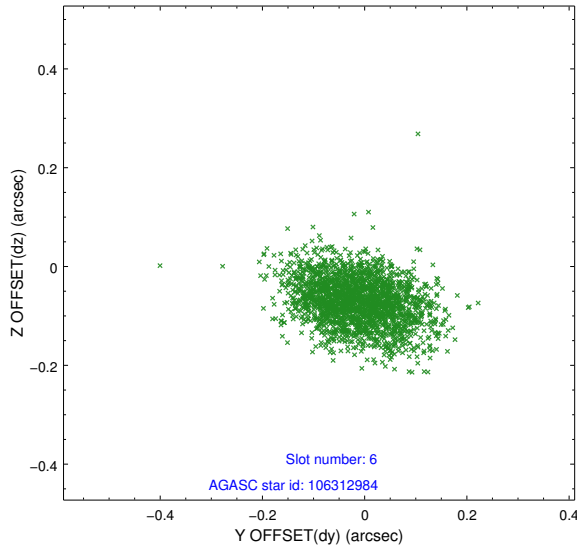
2.4.2 Slot 4



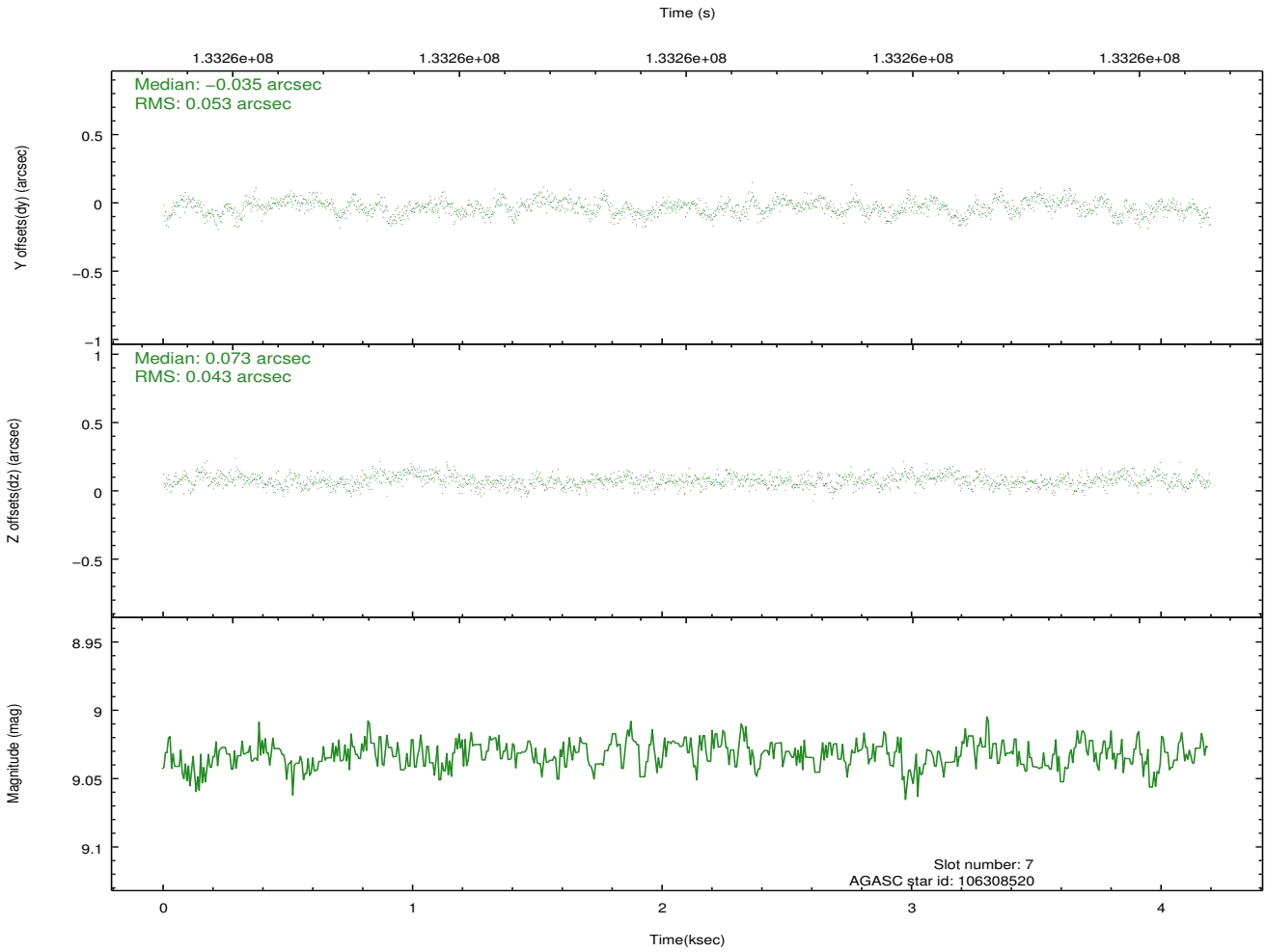
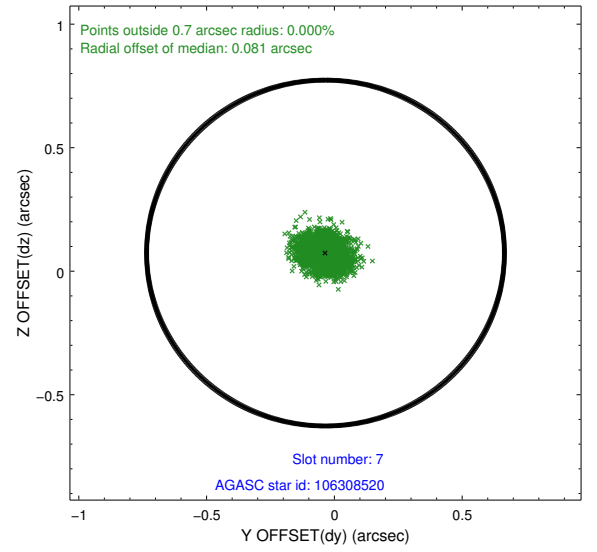
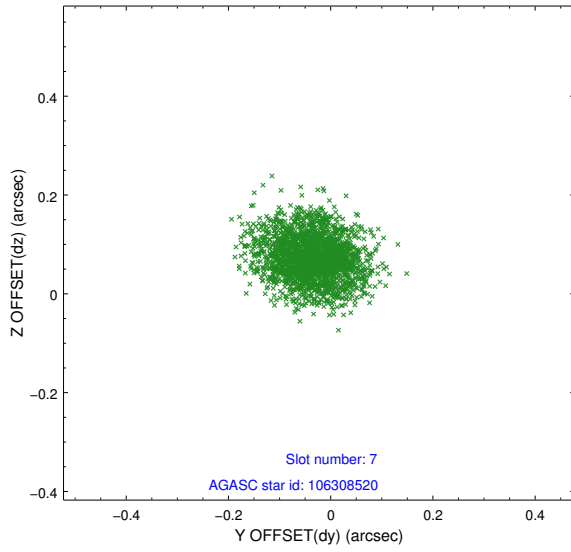
2.4.3 Slot 5



2.4.4 Slot 6

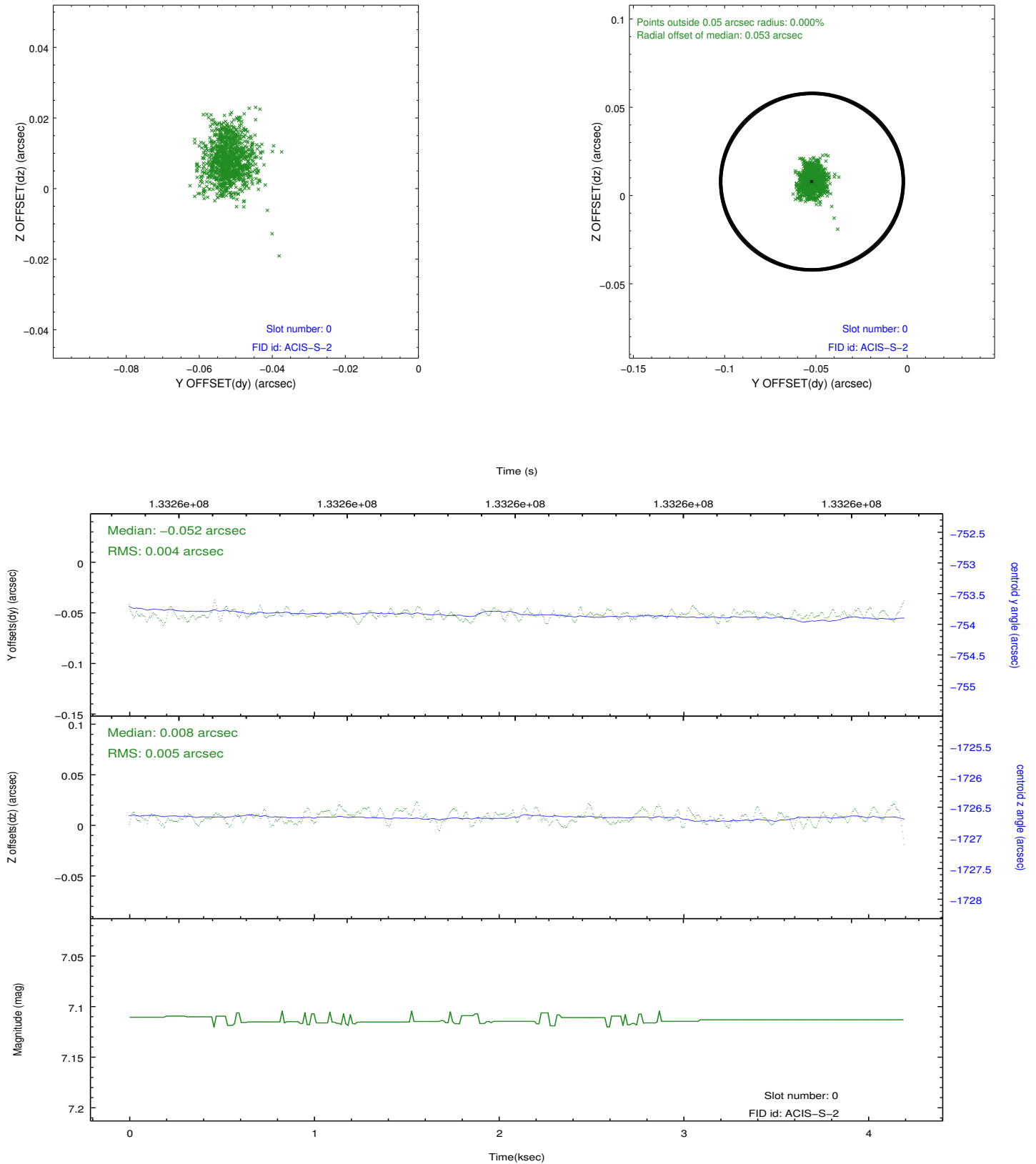


2.4.5 Slot 7

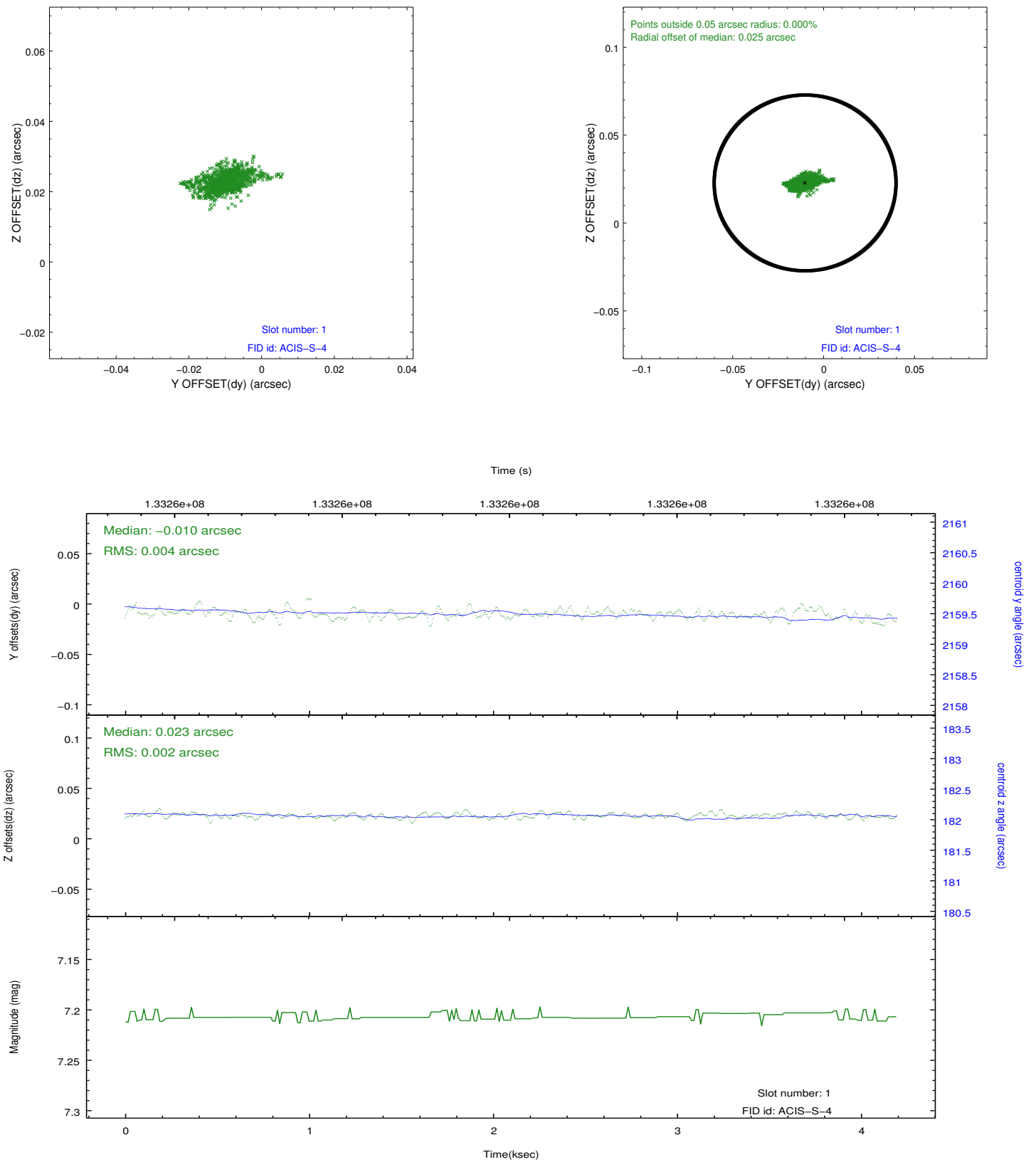


2.5 FID Slots

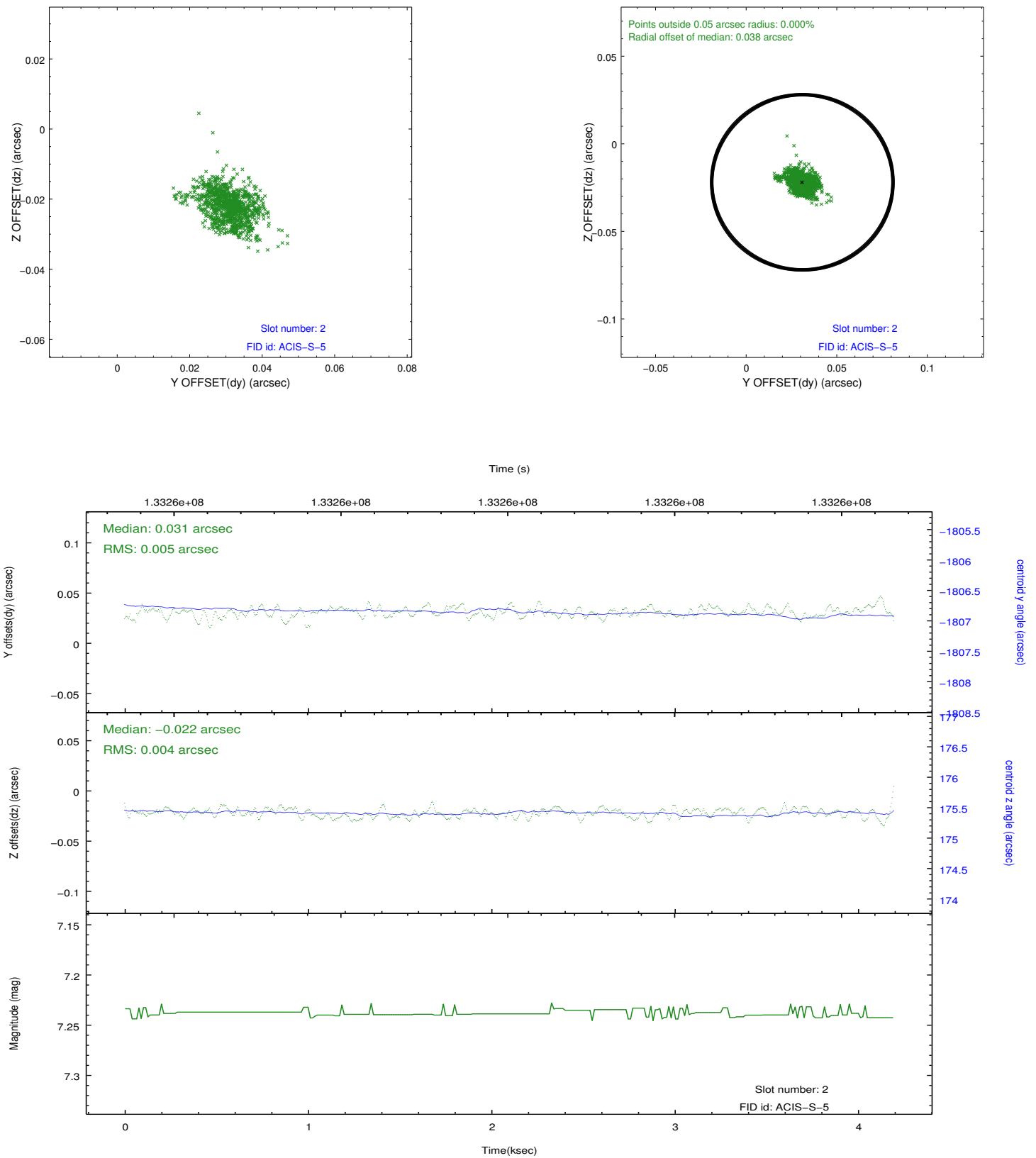
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.756

A.2 Comments