

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 8482 - L2 Version 2
Chandra X-Ray Center

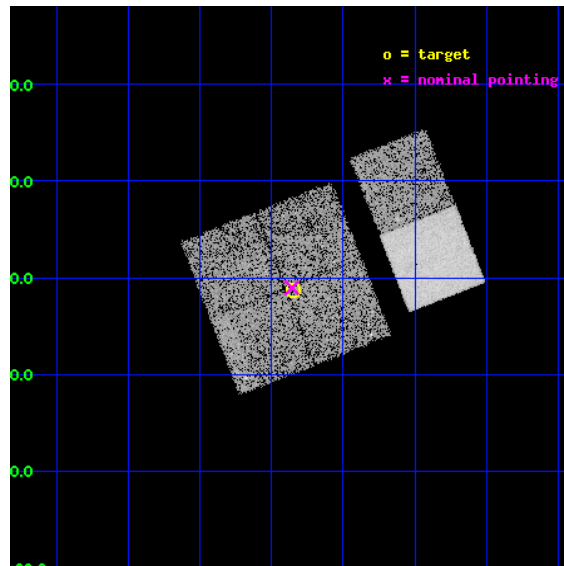
L2 Processing Date : Apr 16 2012

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1 Front

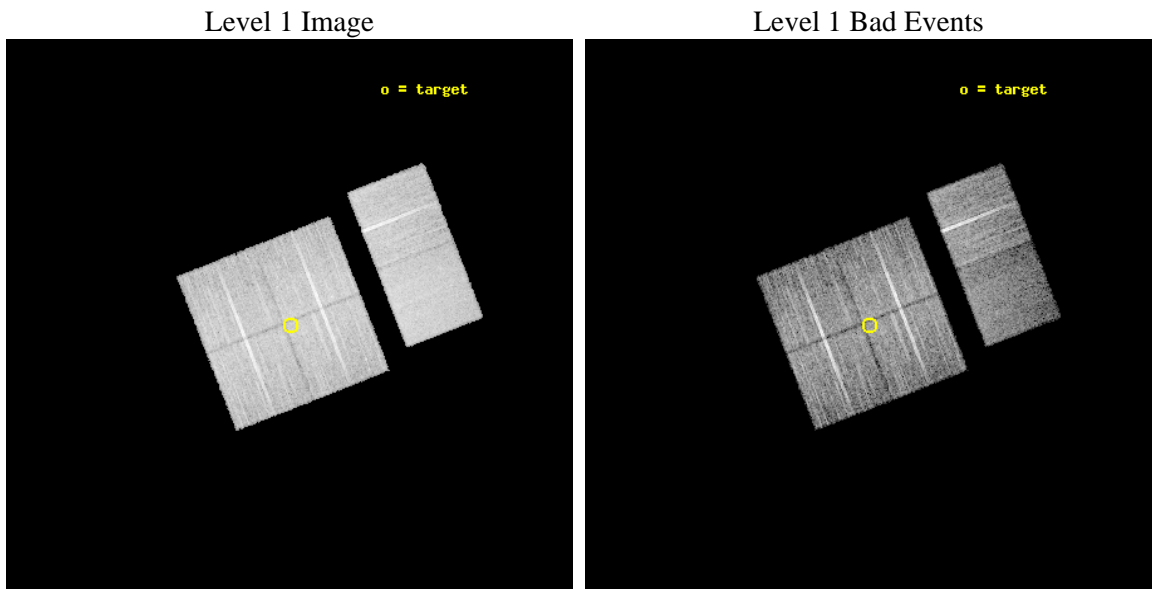
seq_num	900548	Sequence number
obs_id	8482	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS2-6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.836508	Observer's specified target RA [deg]
dec_targ	2.479344	Observer's specified target Dec [deg]
ra_nom	149.83975387315	Nominal RA [deg]
dec_nom	2.4826519698303	Nominal Dec [deg]
roll_nom	68.608569685471	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10539.90980792	Sum of GTIs [s]
livetime	10406.447123561	Livetime [s]
ontime0	10539.786687911	Sum of GTIs [s]
ontime1	10539.827727914	Sum of GTIs [s]
ontime2	10539.868767917	Sum of GTIs [s]
ontime3	10539.90980792	Sum of GTIs [s]
ontime6	10539.991887927	Sum of GTIs [s]
ontime7	10539.950847924	Sum of GTIs [s]
l2events	73089	Number of level 2 events



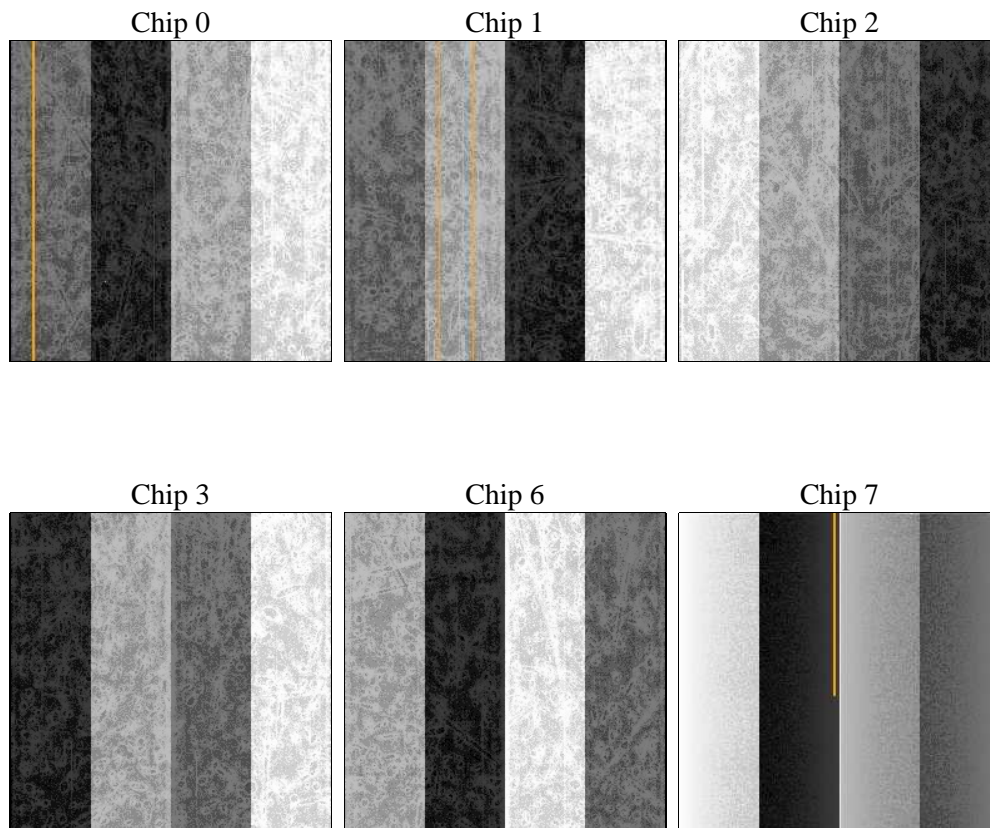
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	10539.90980792	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	10539.786687911	Sum of GTIs [s]
date	2012-04-14T17:00:59	Date and time of file creation	ontime1	10539.827727914	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10539.868767917	Sum of GTIs [s]
			ontime3	10539.90980792	Sum of GTIs [s]
			ontime6	10539.991887927	Sum of GTIs [s]
			ontime7	10539.950847924	Sum of GTIs [s]
			l1events	484539	Number of level 1 events

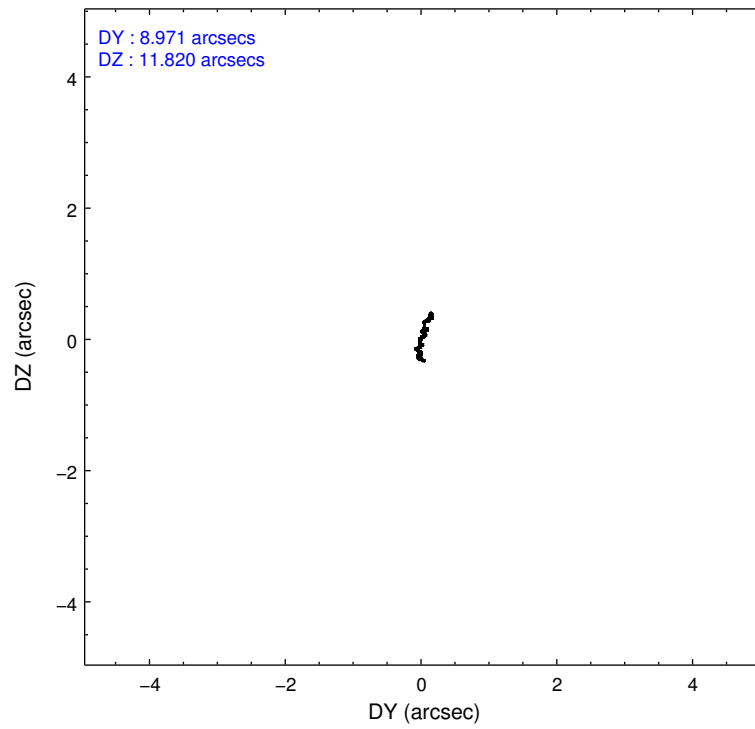
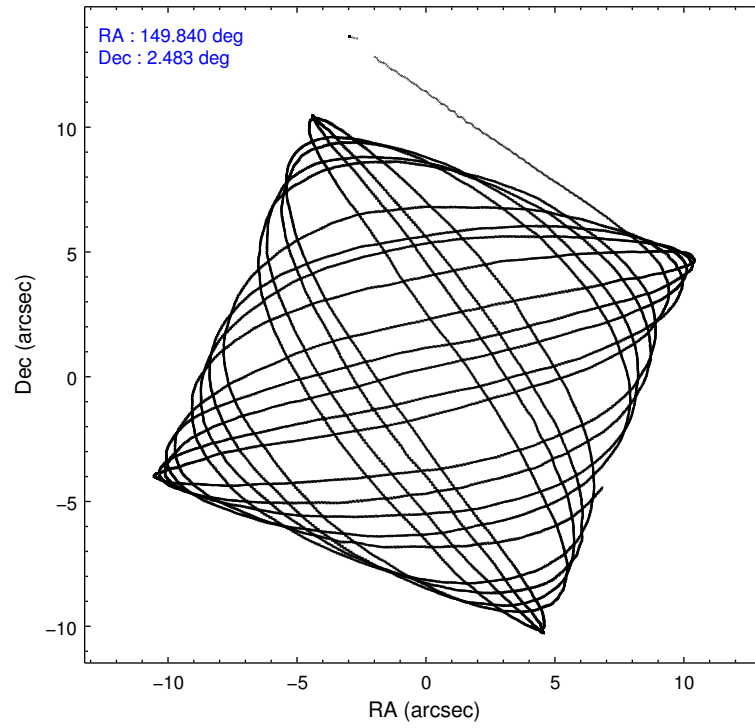
2.1.4 Events

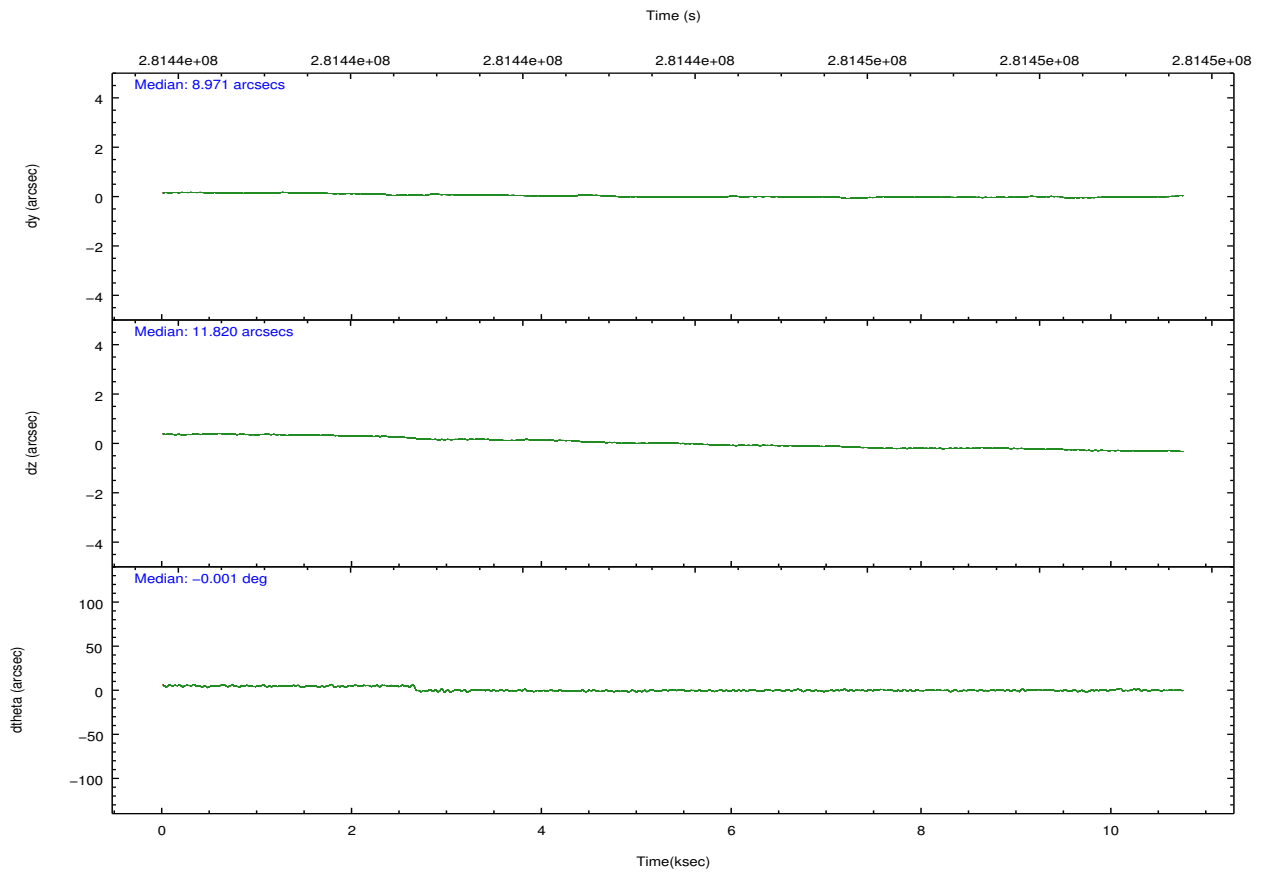
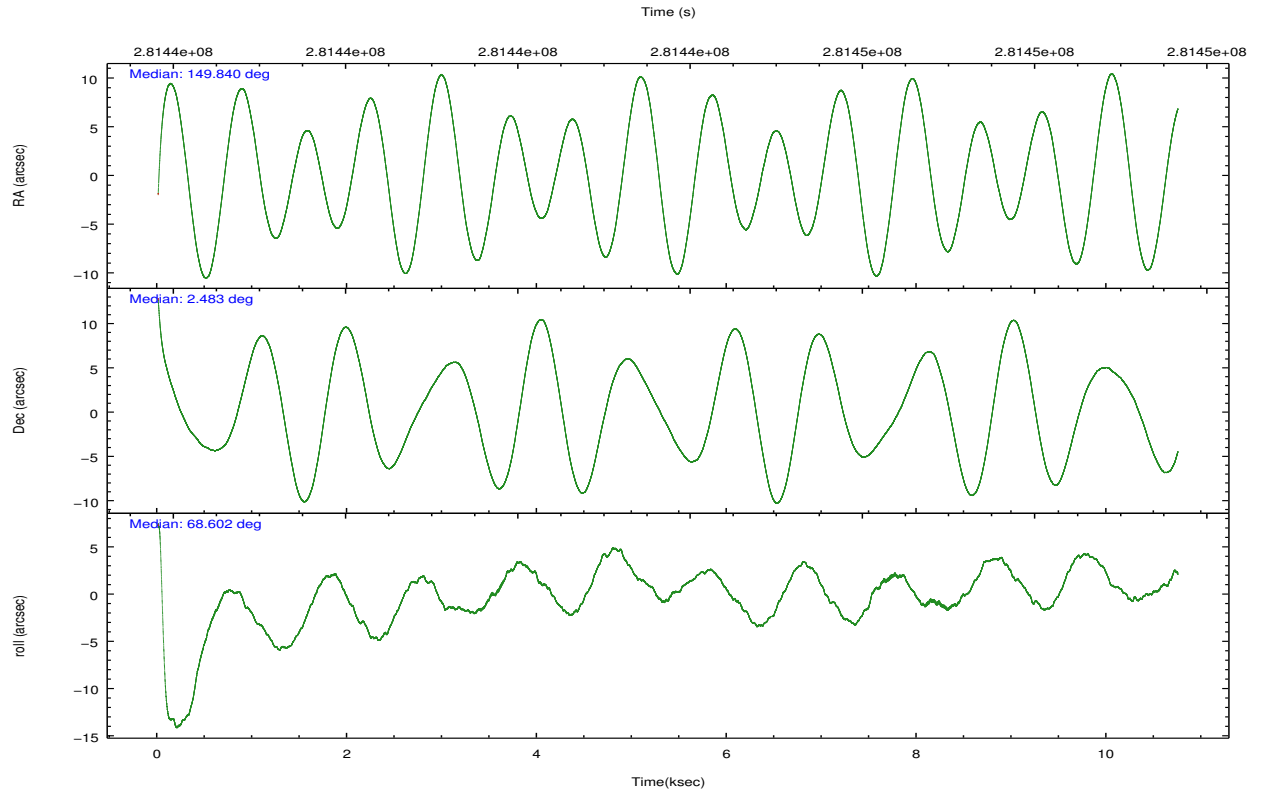
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	75998	76093	82348	77839	82918	89343	grade 0 events	2849	3283	2775	2632	2821	3964
rejected events	68153	67108	74689	70496	74773	48225		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	90%	90%	90%	53%	grade 1 events	52	44	41	45	39	135
								0%	0%	0%	0%	0%	0%
							grade 2 events	1785	1945	1739	1632	1819	8338
								2%	2%	2%	2%	2%	9%
							grade 3 events	916	972	795	804	885	3845
								1%	1%	0%	1%	1%	4%
							grade 4 events	808	983	836	812	887	3778
								1%	1%	1%	1%	1%	4%
							grade 5 events	2687	3003	2599	3139	3255	9444
								3%	3%	3%	4%	3%	10%
							grade 6 events	1493	1806	1516	1466	1737	21221
								1%	2%	1%	1%	2%	23%
							grade 7 events	65408	64057	72047	67309	71475	38618
								86%	84%	87%	86%	86%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	149.843961	149.8397538731503	CCD I2 on	Y	Y
[deg] Pointing Dec	2.455606	2.482651969830329	CCD I3 on	Y	Y
[deg] Pointing Roll	68.399676	68.60856968547121	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	281438628.184000	281437576.19649	CCD S5 on	N	N
Observation start date	2006-12-02T09:22:43	2006-12-02T09:06:16	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	281449128.184000	281449870.04707	On-chip summing requested	N	N
Observation end date	2006-12-02T12:17:43	2006-12-02T12:31:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



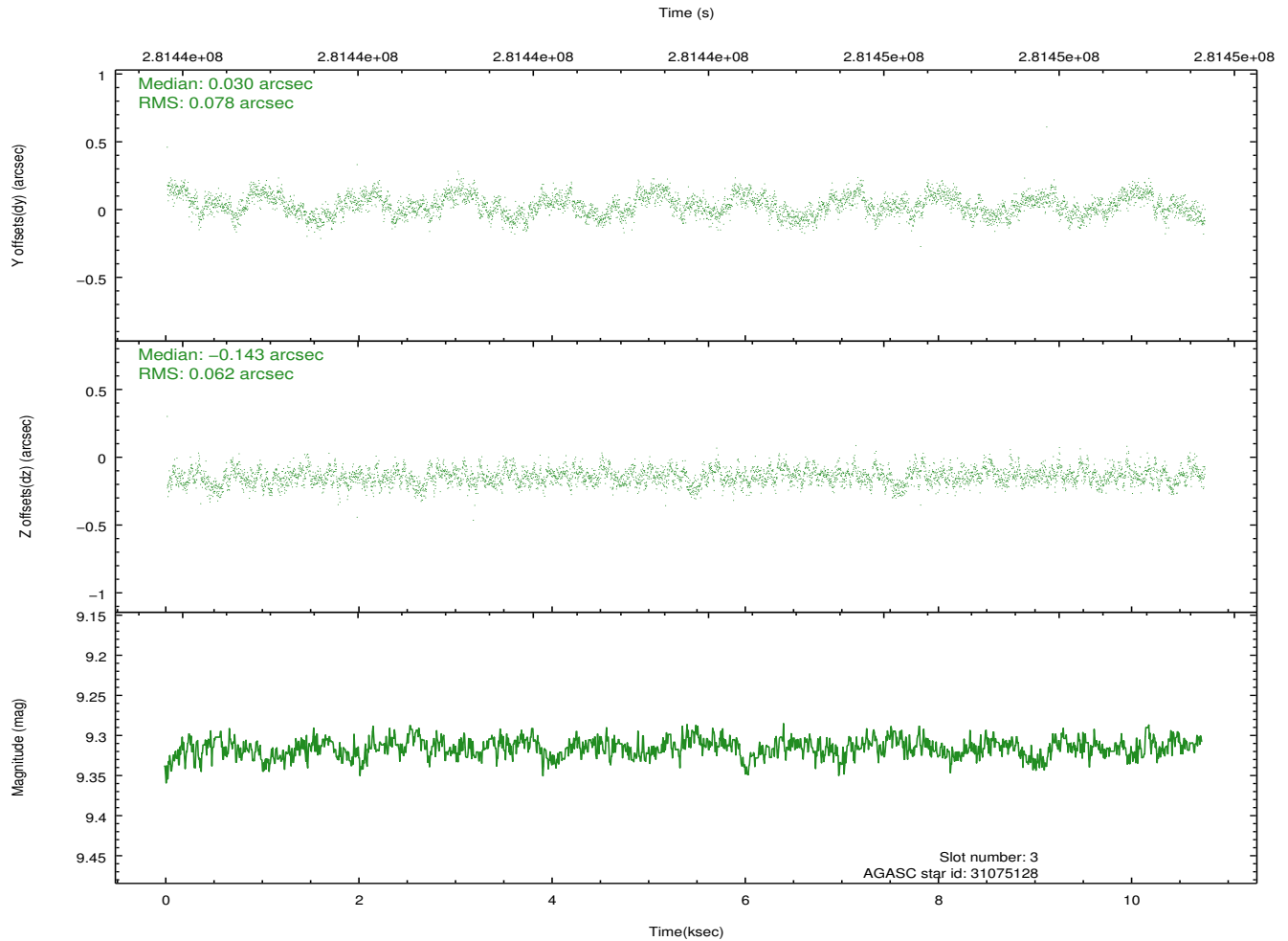
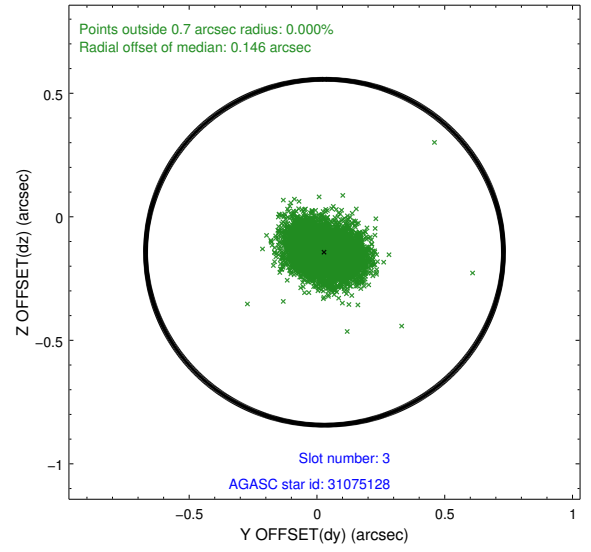
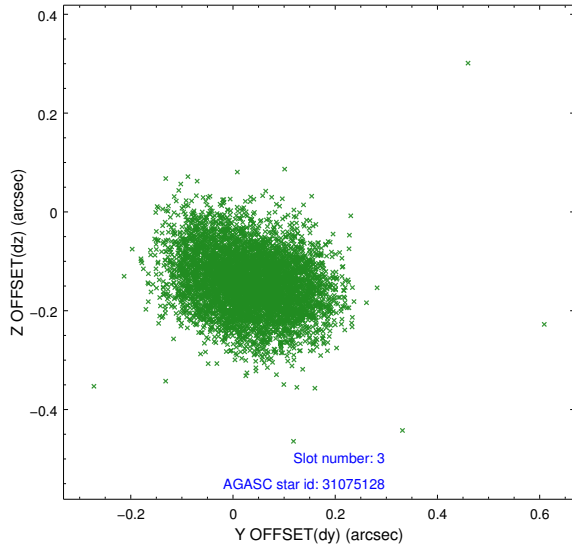


Slot Statistics

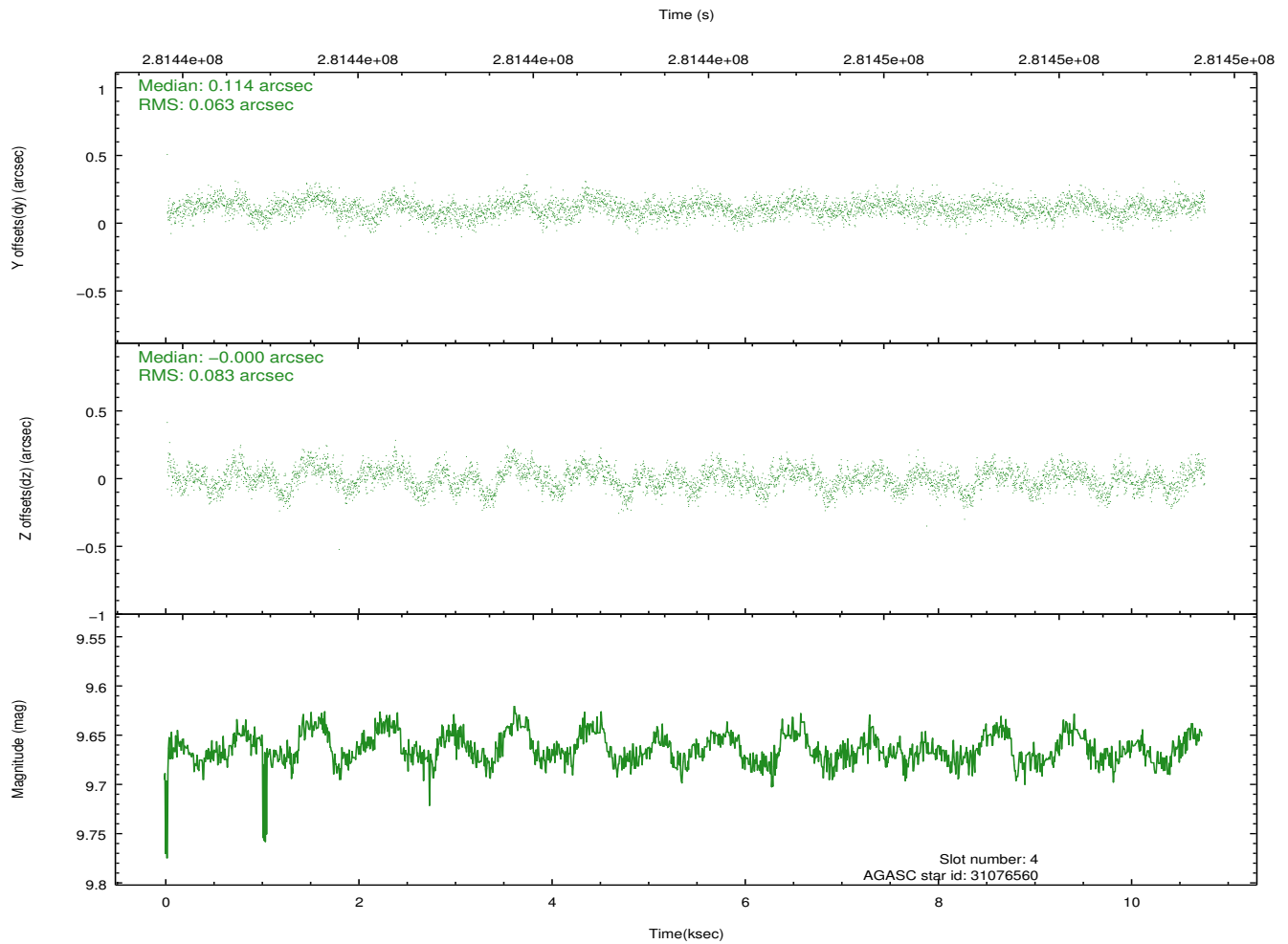
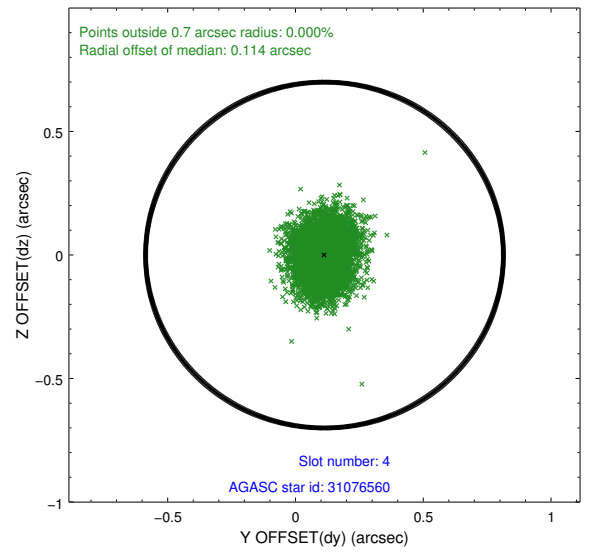
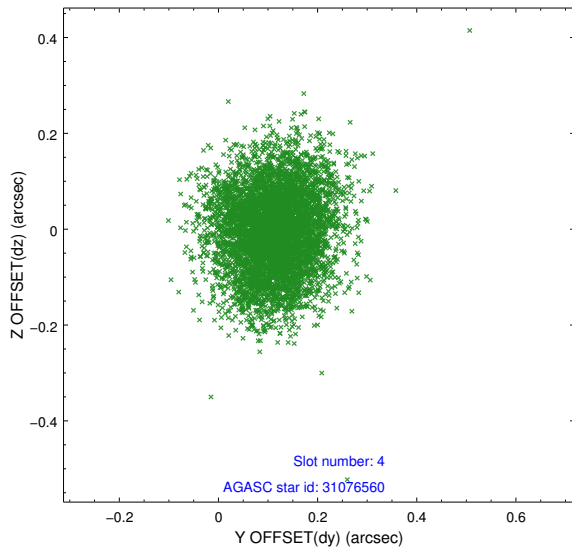
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.13	2621	-0.102	-0.124	0.014	0.045	0.000000	0.000000	-763.67	-841.82
1	FID	ACIS-I-4	7.17	2621	0.228	0.094	0.010	0.027	0.000000	0.000000	2150.54	1064.25
2	FID	ACIS-I-5	7.22	2621	-0.227	0.099	0.012	0.027	0.000000	0.000000	-1816.96	1062.75
3	GUIDE	31075128	9.32	5238	0.030	-0.143	0.107	0.167	149.584516	2.364347	-648.57	746.71
4	GUIDE	31076560	9.66	5233	0.114	-0.000	0.111	0.179	149.884782	2.009277	-1439.62	-728.16
5	GUIDE	31463496	9.45	5210	-0.053	-0.159	0.097	0.159	149.845020	2.964001	1703.09	670.29
6	GUIDE	31983336	8.60	5240	0.036	0.219	0.080	0.130	150.429924	2.291234	227.21	-2176.90
7	GUIDE	32375384	9.97	5235	-0.125	0.085	0.127	0.210	150.238117	2.622063	1079.60	-1097.01

2.4 Star Slots

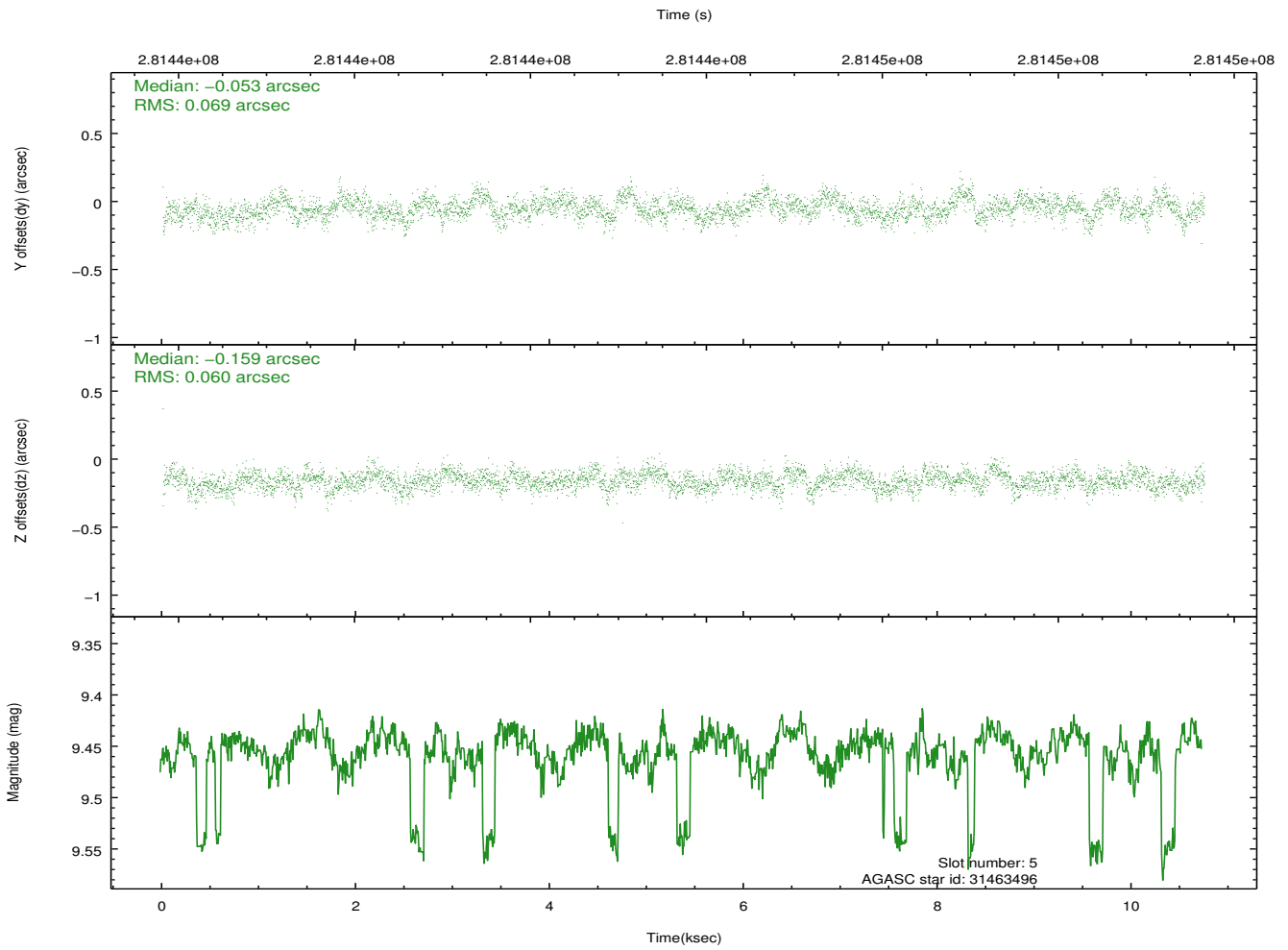
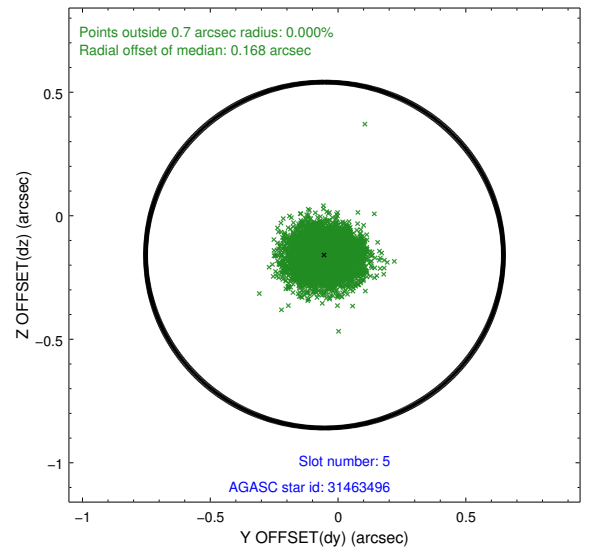
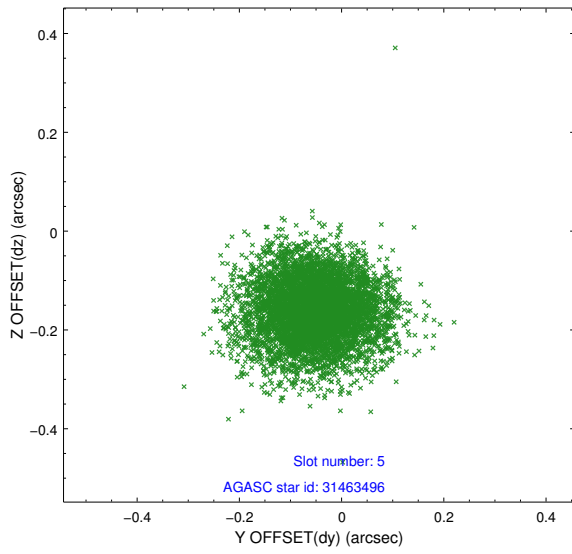
2.4.1 Slot 3



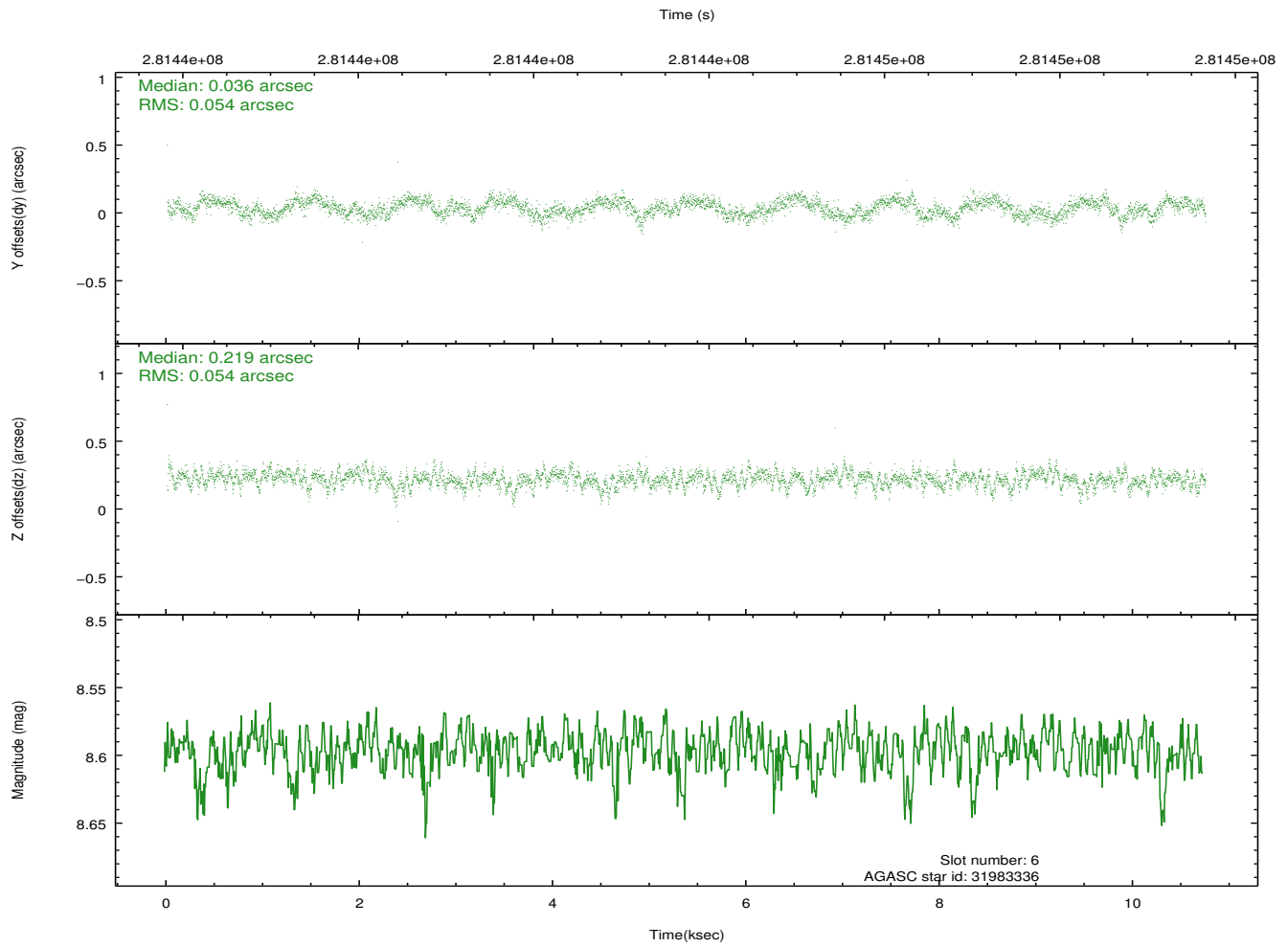
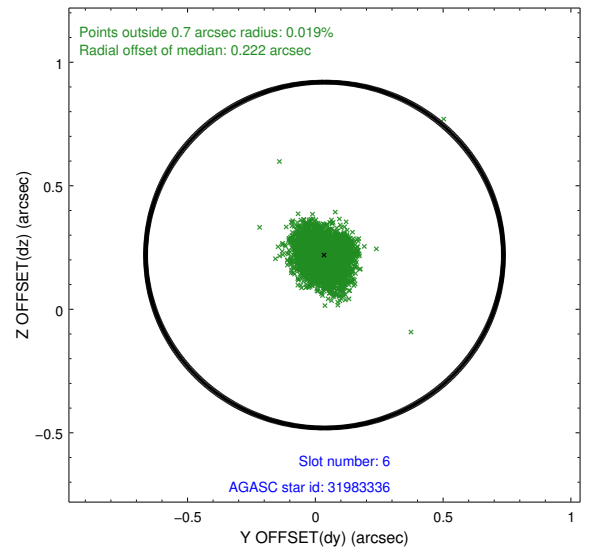
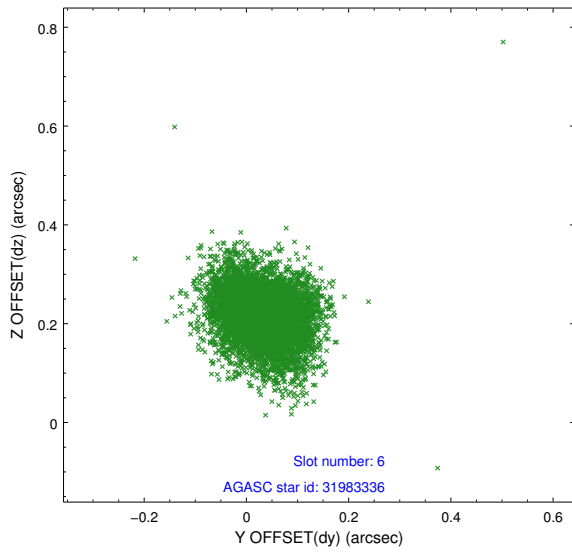
2.4.2 Slot 4



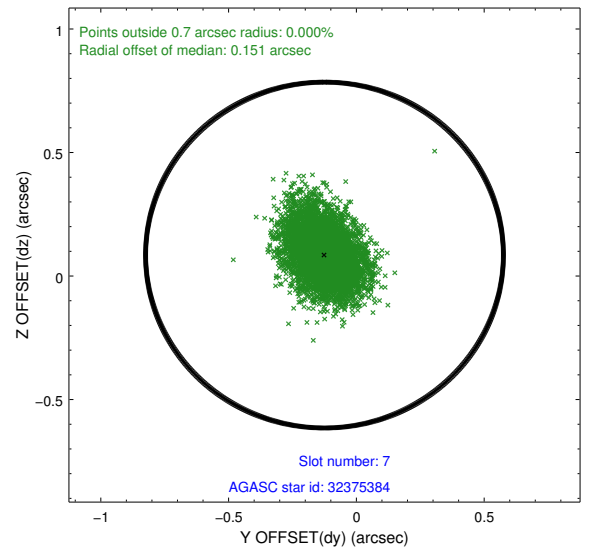
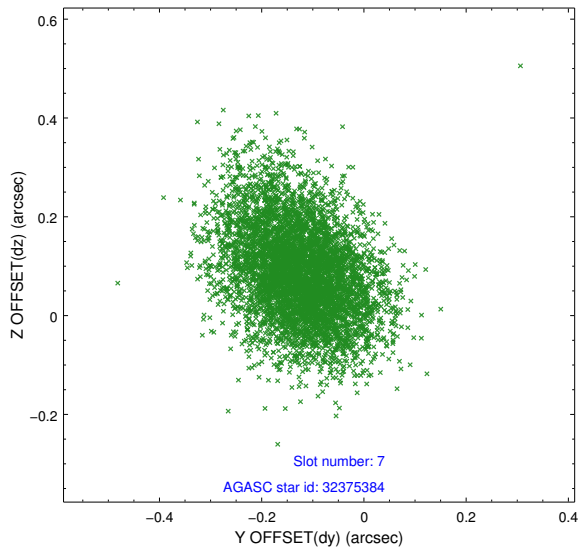
2.4.3 Slot 5



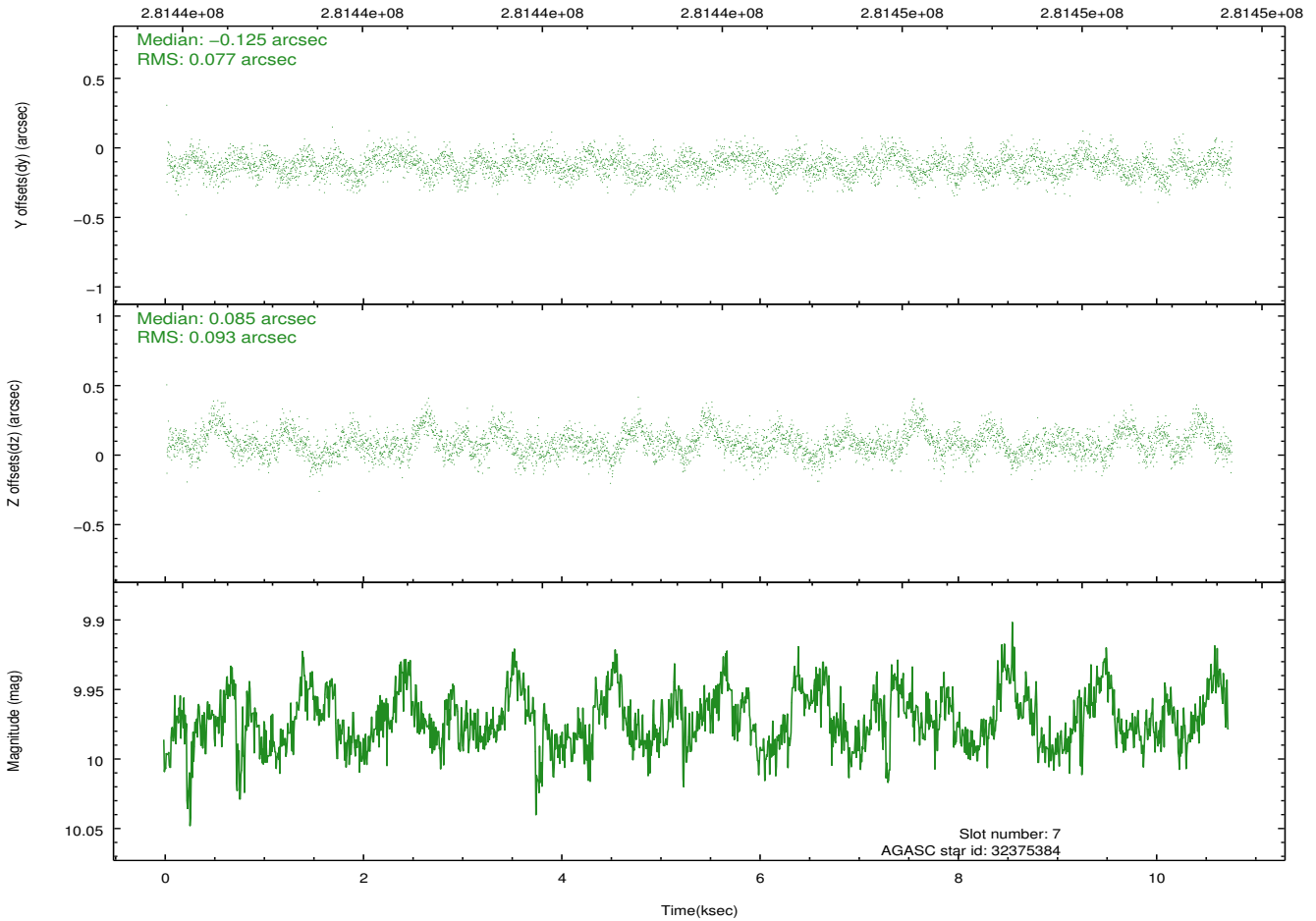
2.4.4 Slot 6



2.4.5 Slot 7

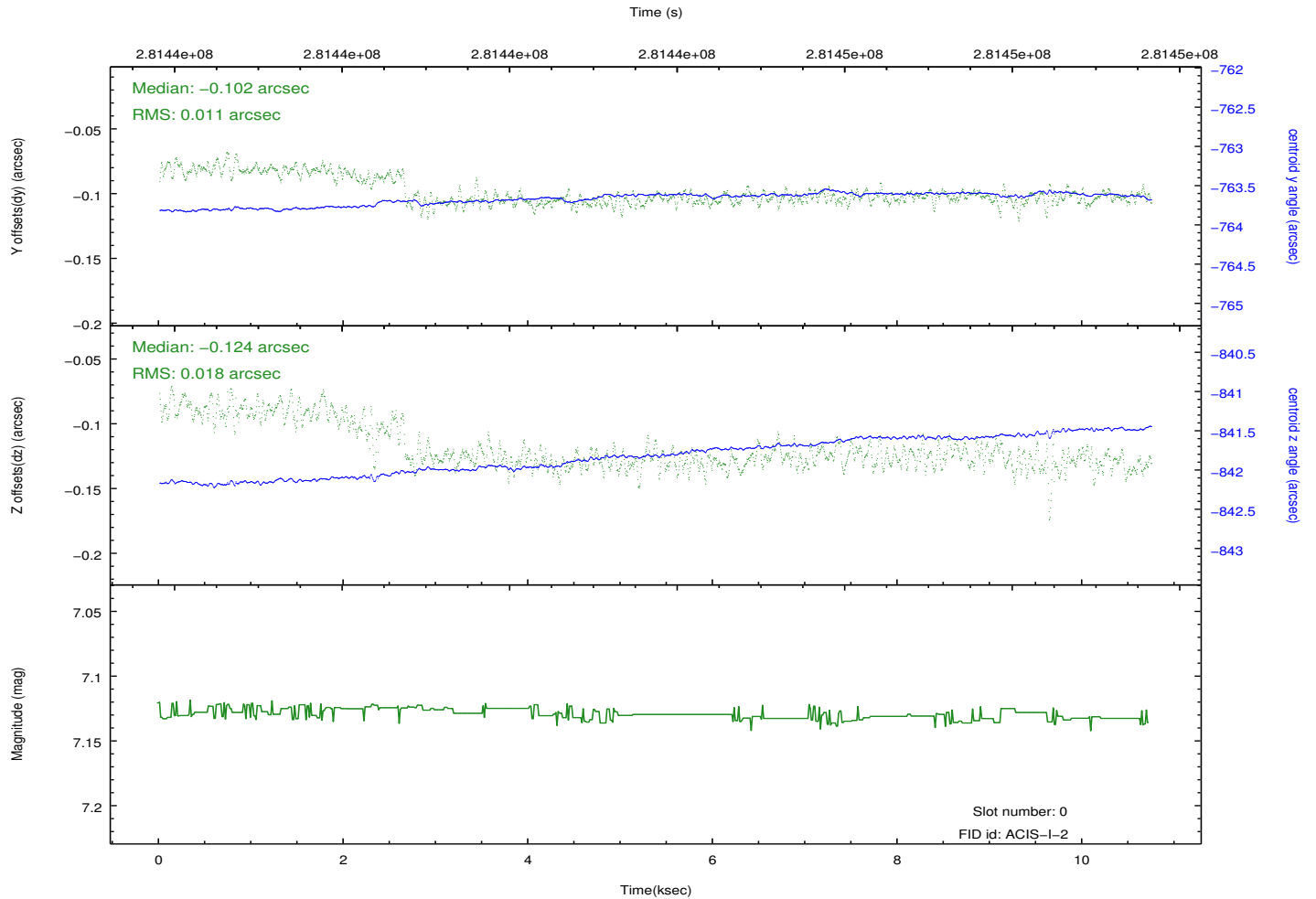
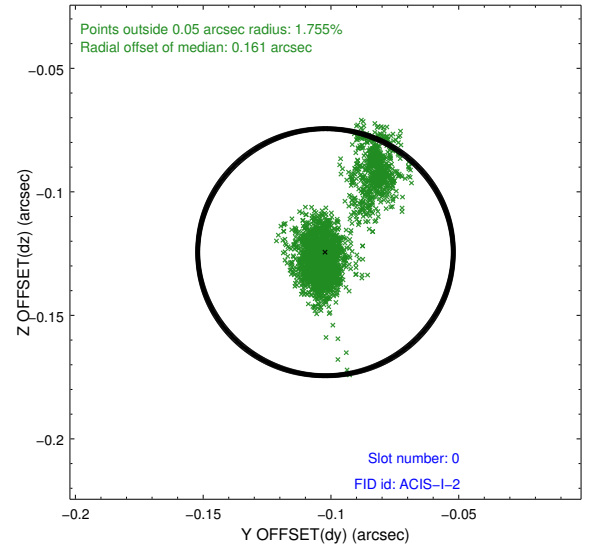
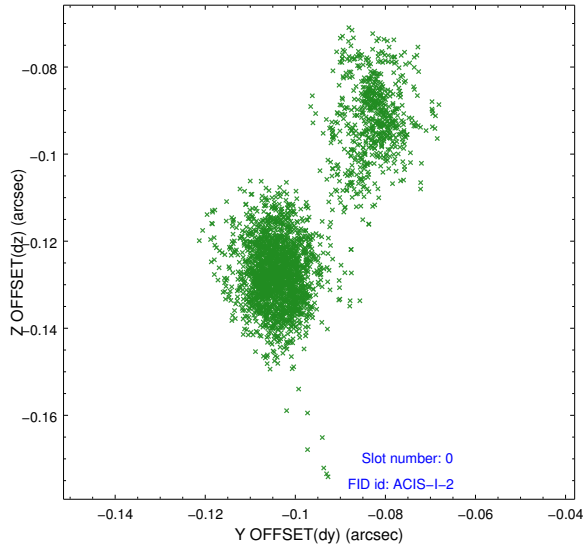


Time (s)

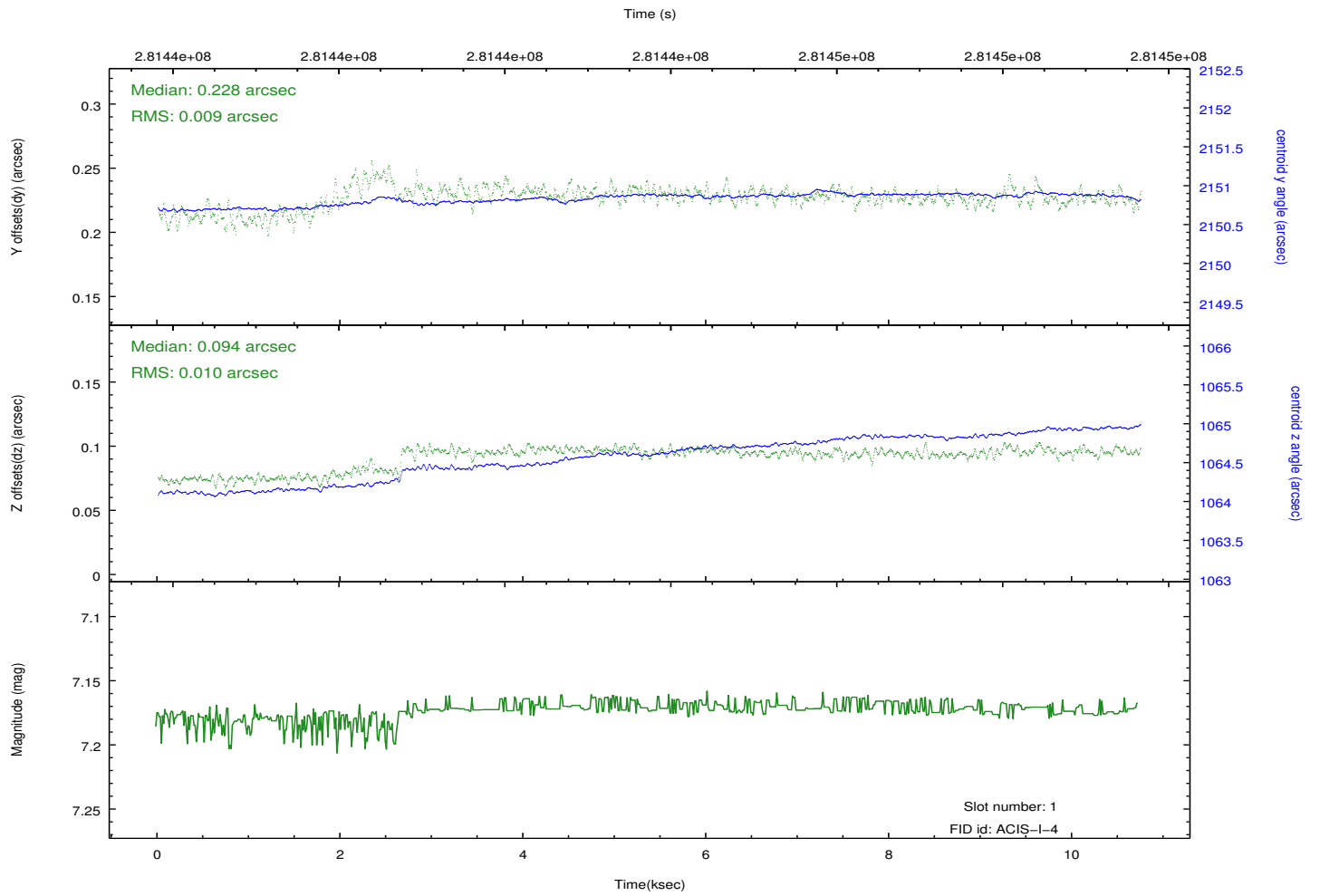
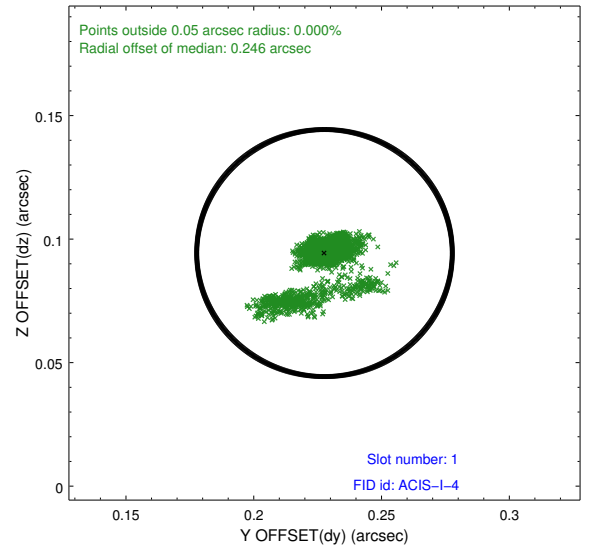
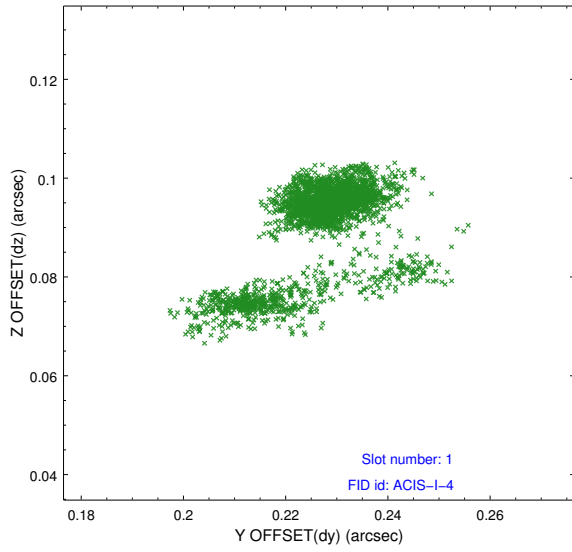


2.5 FID Slots

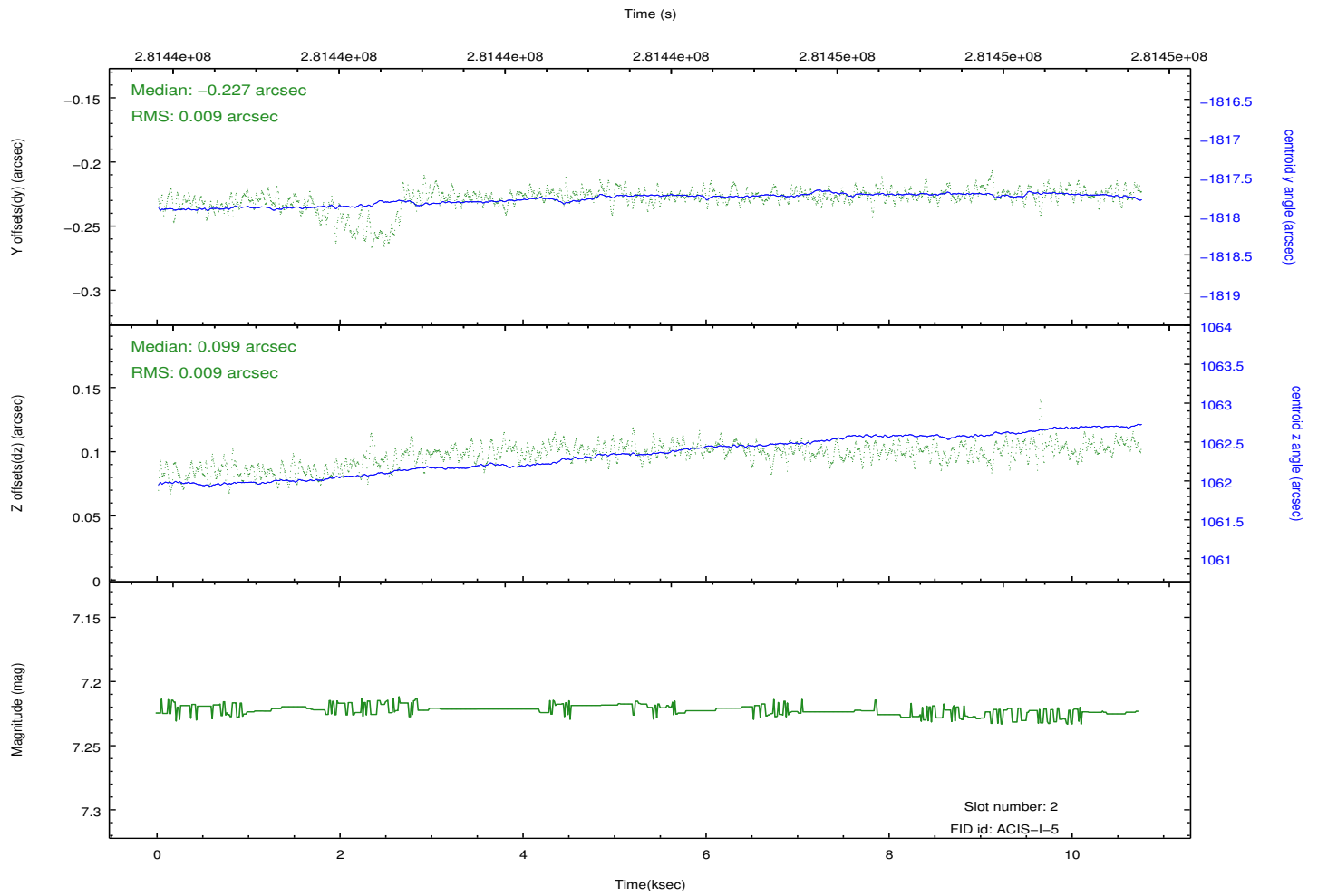
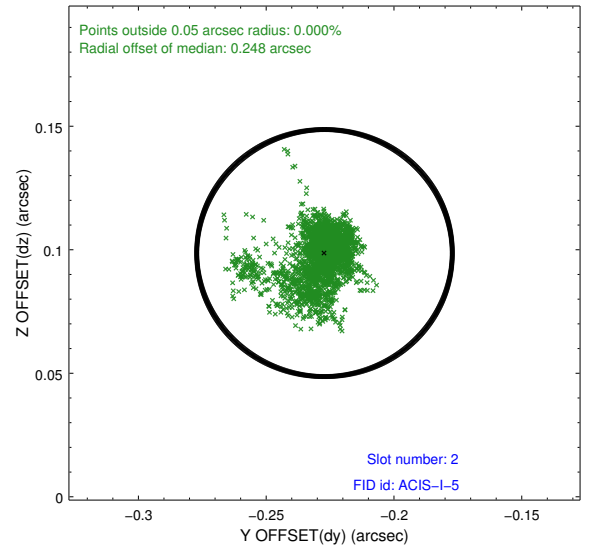
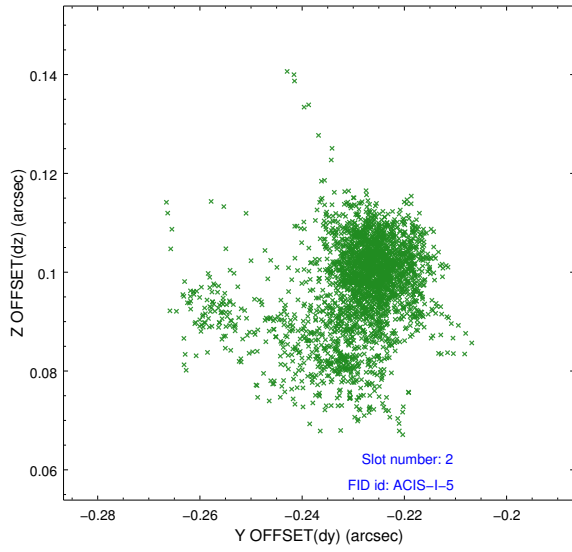
2.5.1 Slot 0



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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.5407999

A.2 Comments

Roll preference met.