

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8965 - L2 Version 2
Chandra X-Ray Center

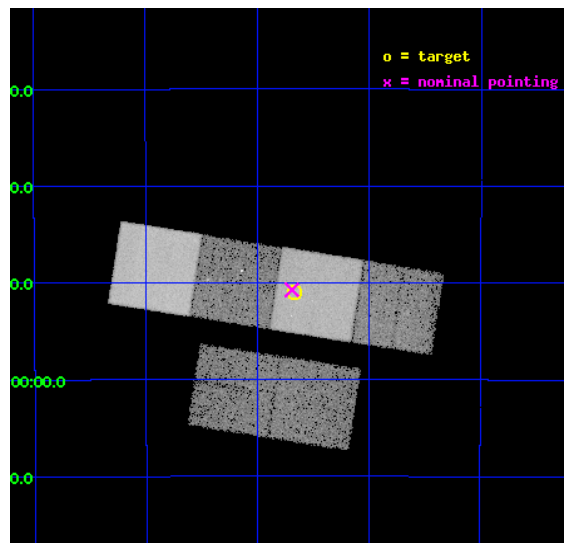
L2 Processing Date : May 15 2012

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1 Front

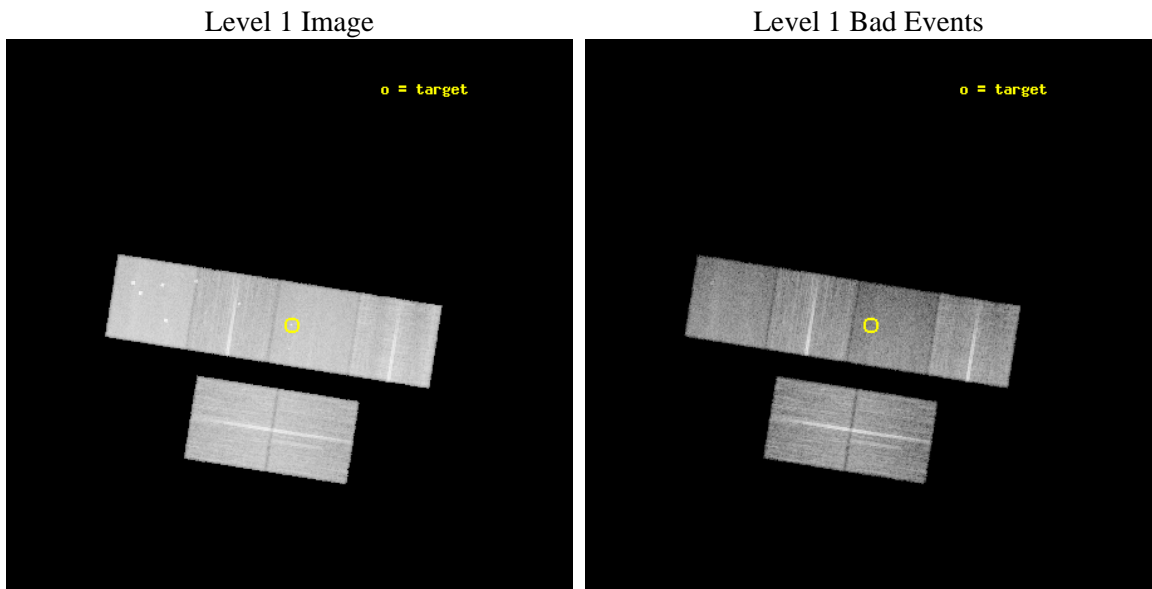
seq_num	300221	Sequence number
obs_id	8965	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6139	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.918333	Observer's specified target RA [deg]
dec_targ	-38.848889	Observer's specified target Dec [deg]
ra_nom	246.92305447579	Nominal RA [deg]
dec_nom	-38.845732322901	Nominal Dec [deg]
roll_nom	8.9566684496943	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17942.399933219	Sum of GTIs [s]
livetime	17715.202461648	Livetime [s]
ontime2	17942.399933219	Sum of GTIs [s]
ontime3	17942.399933219	Sum of GTIs [s]
ontime5	17942.399933219	Sum of GTIs [s]
ontime6	17942.399933219	Sum of GTIs [s]
ontime7	17942.399933219	Sum of GTIs [s]
ontime8	17942.399933219	Sum of GTIs [s]
l2events	215899	Number of level 2 events



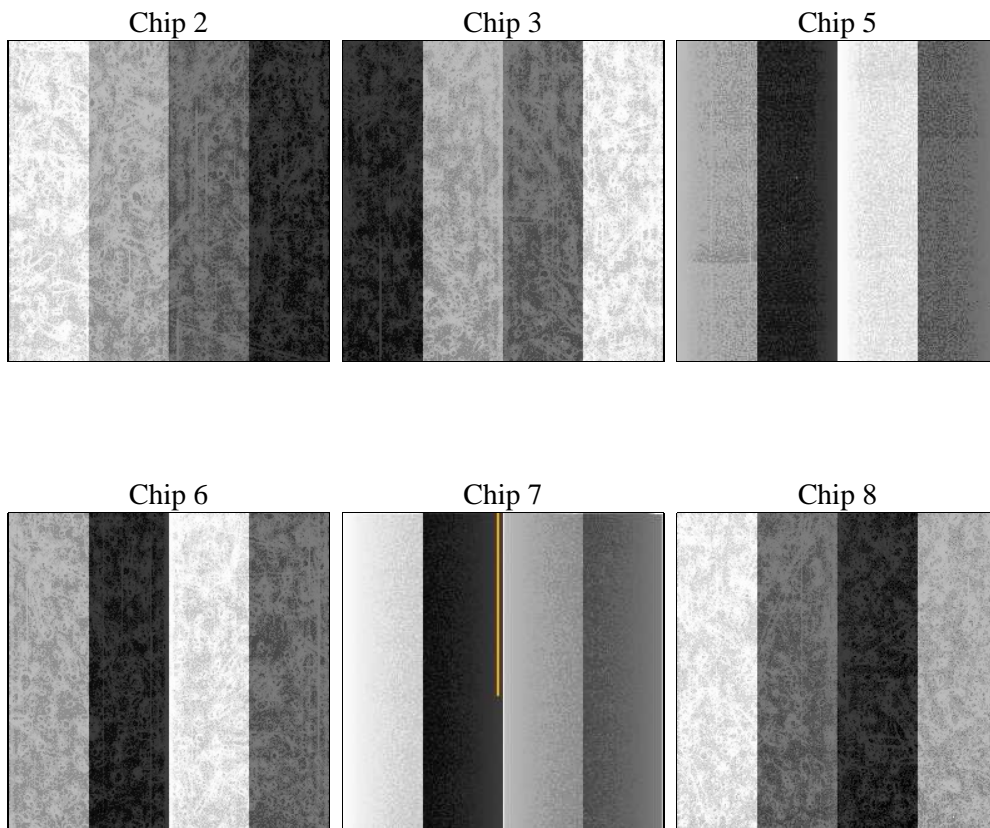
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	17942.399933219	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	17942.399933219	Sum of GTIs [s]
date	2012-05-15T15:48:37	Date and time of file creation	ontime3	17942.399933219	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	17942.399933219	Sum of GTIs [s]
			ontime6	17942.399933219	Sum of GTIs [s]
			ontime7	17942.399933219	Sum of GTIs [s]
			ontime8	17942.399933219	Sum of GTIs [s]
			l1events	991616	Number of level 1 events

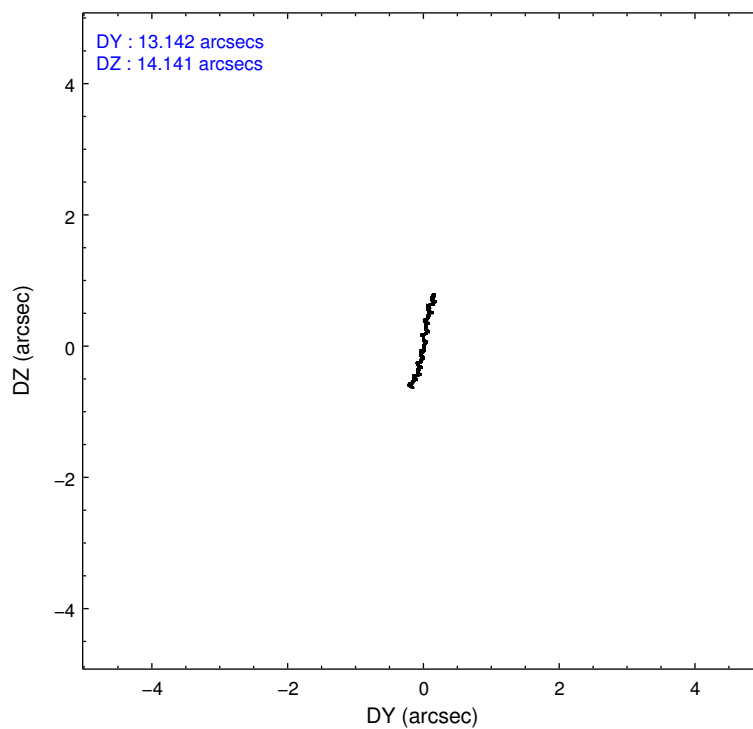
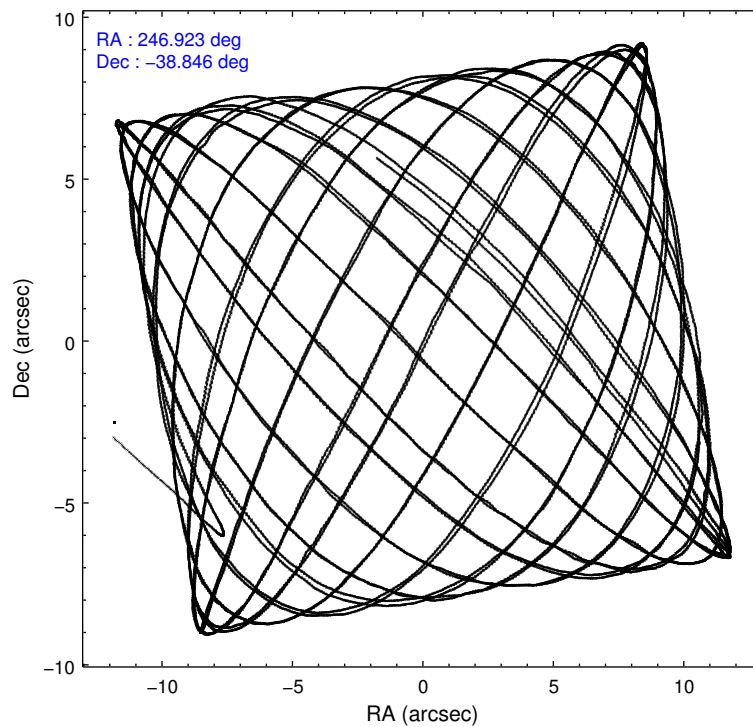
2.1.4 Events

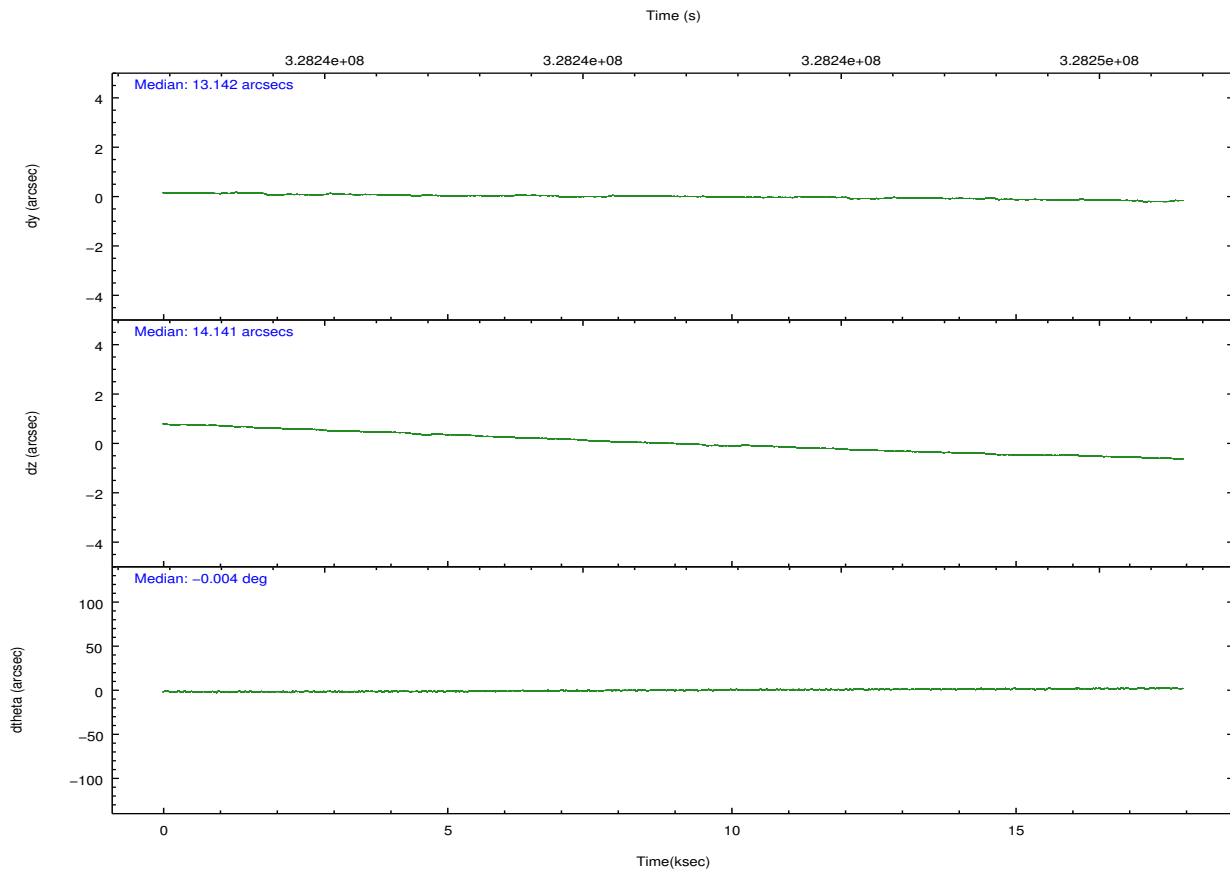
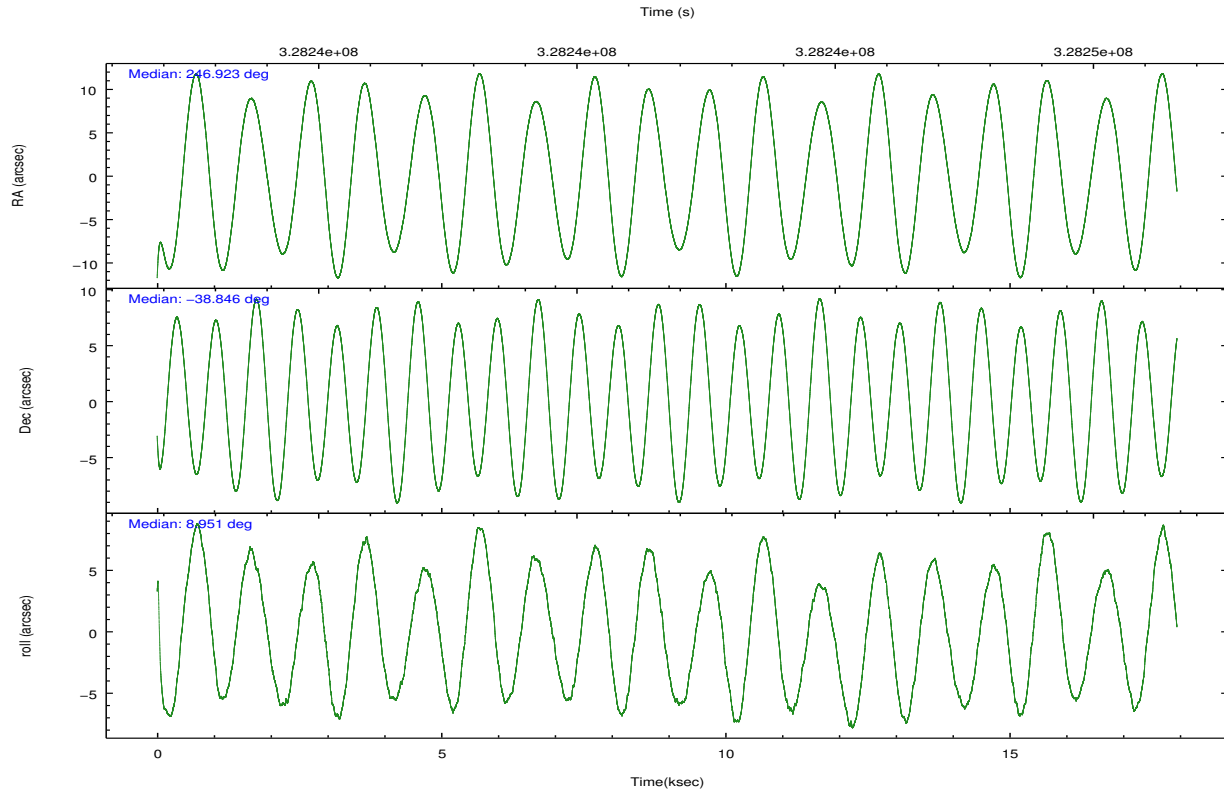
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	155741	141565	202705	147918	162207	181480	grade 0 events	5362	4747	10618	6003	7171	13238
rejected events	141549	128406	103285	132317	88679	138425		3%	3%	5%	4%	4%	7%
rejected %	90%	90%	50%	89%	54%	76%	grade 1 events	89	77	415	85	201	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	3485	2961	30047	3363	15559	9916
								2%	2%	14%	2%	9%	5%
							grade 3 events	1445	1528	4310	1733	6870	4928
								0%	1%	2%	1%	4%	2%
							grade 4 events	1513	1522	4223	1653	6993	4558
								0%	1%	2%	1%	4%	2%
							grade 5 events	4864	5893	16098	5873	17076	8392
								3%	4%	7%	3%	10%	4%
							grade 6 events	2679	2707	52713	3223	38642	11523
								1%	1%	26%	2%	23%	6%
							grade 7 events	136304	122130	84281	125985	69695	128774
								87%	86%	41%	85%	42%	70%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	246.896062	246.9230544757904	CCD I2 on	O1	Y
[deg] Pointing Dec	-38.863214	-38.84573232290098	CCD I3 on	O2	Y
[deg] Pointing Roll	8.783096	8.956668449694259	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	328232905.184000	328231580.5702	CCD S5 on	N	N
Observation start date	2008-05-26T23:47:20	2008-05-26T23:26:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328250705.184000	328251478.89617	On-chip summing requested	N	N
Observation end date	2008-05-27T04:44:00	2008-05-27T04:57:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



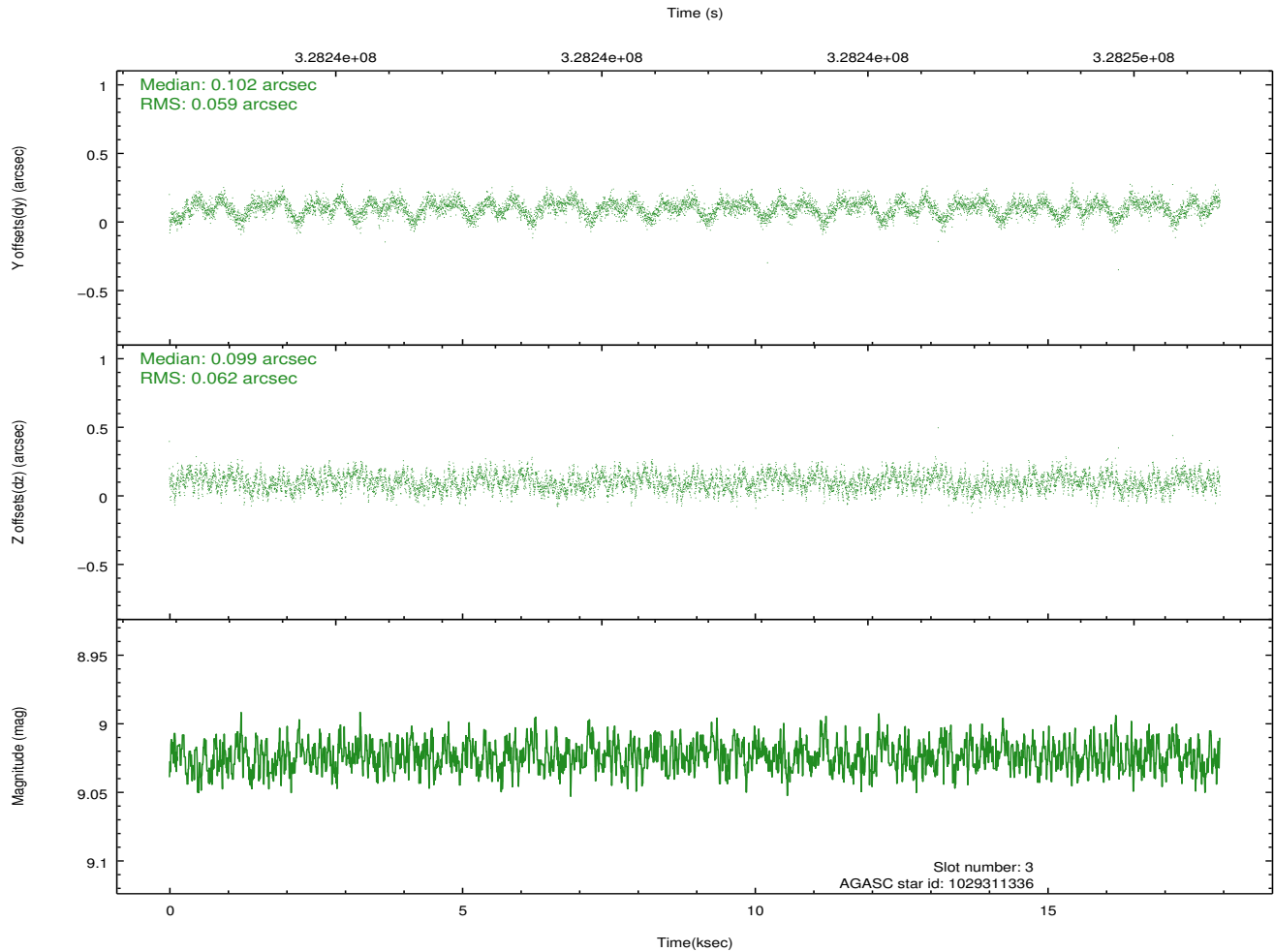
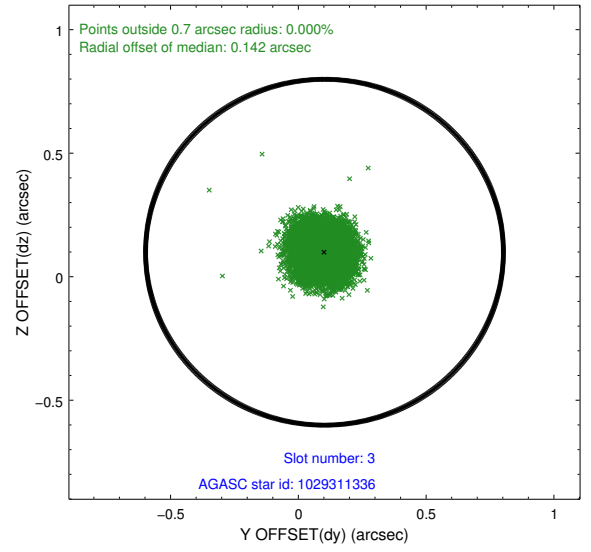
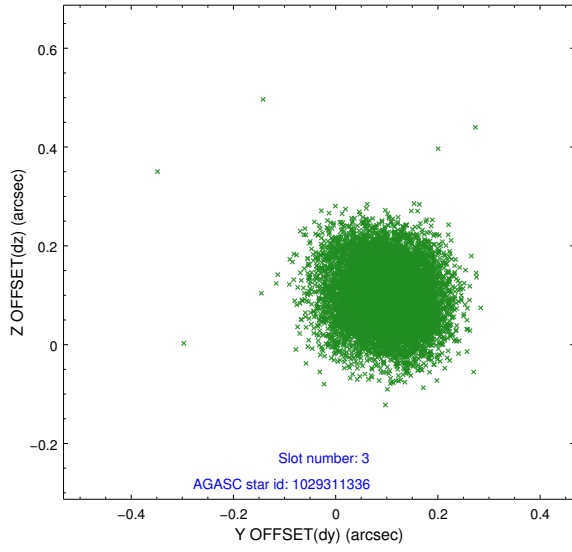


Slot Statistics

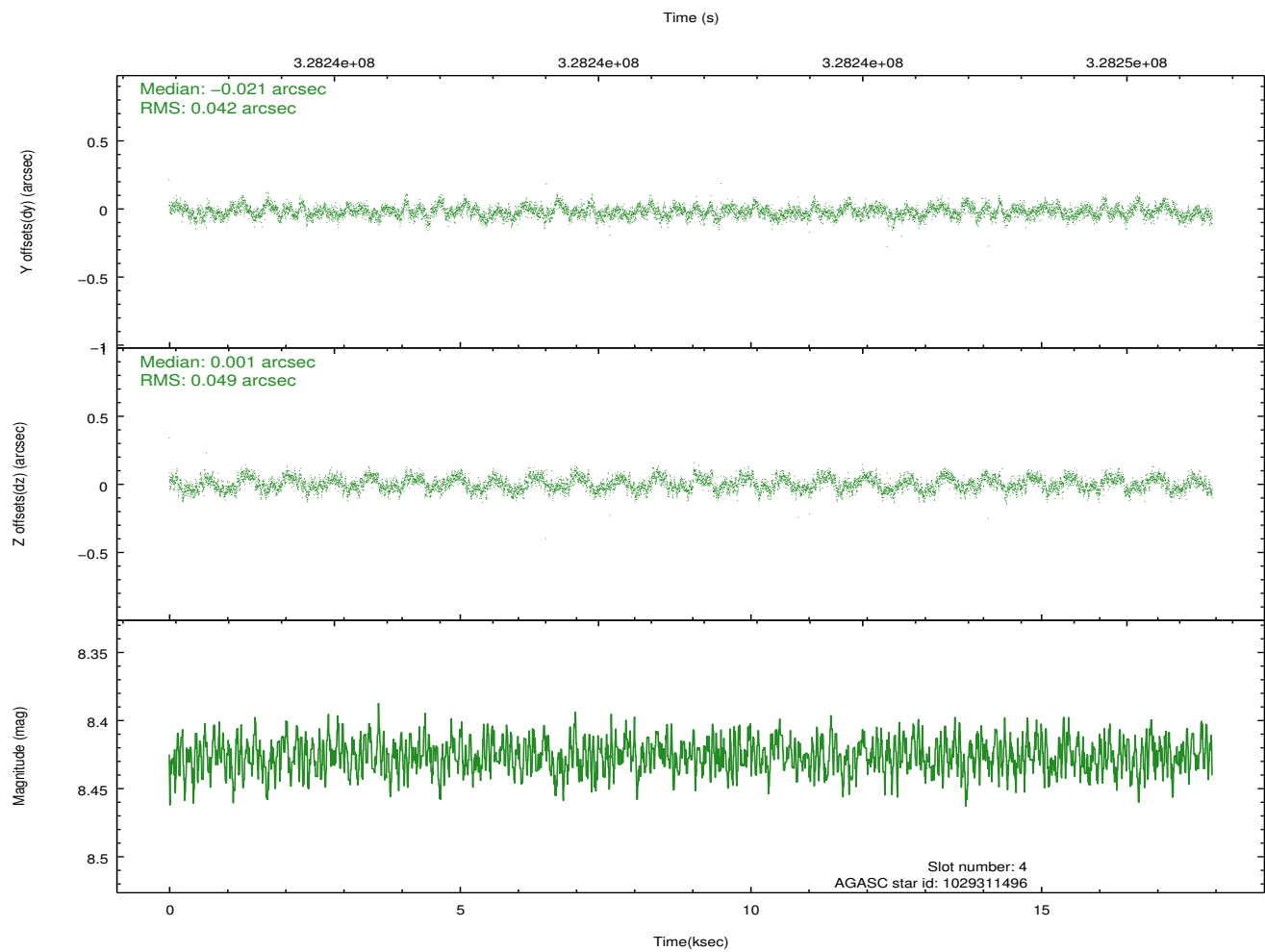
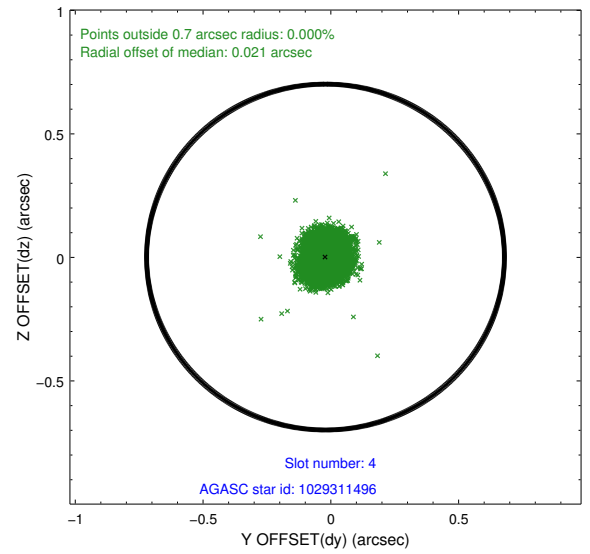
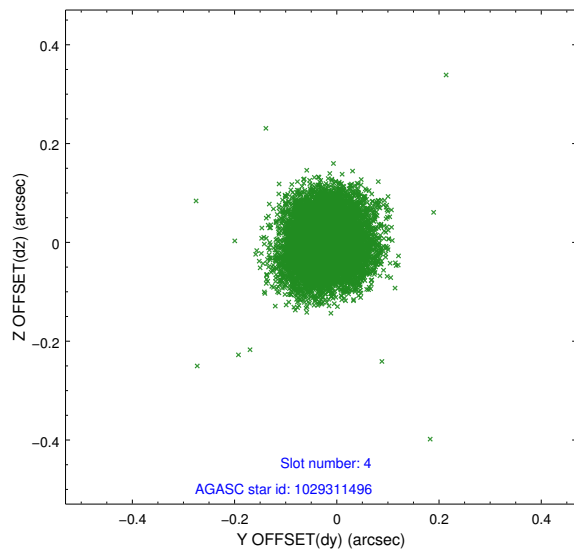
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	4377	-0.039	-0.020	0.013	0.021	0.000000	0.000000	-766.08	-1735.55
1	FID	ACIS-S-4	6.91	4377	0.142	0.025	0.016	0.029	0.000000	0.000000	2147.26	172.75
2	FID	ACIS-S-5	6.95	4377	-0.133	0.006	0.009	0.015	0.000000	0.000000	-1818.74	166.64
3	GUIDE	1029311336	9.02	8749	0.102	0.099	0.092	0.144	246.538617	-39.343537	-1247.42	-1558.94
4	GUIDE	1029311496	8.43	8752	-0.021	0.001	0.069	0.109	246.815472	-39.310729	-467.57	-1558.09
5	GUIDE	1029312304	8.24	8751	-0.195	-0.071	0.063	0.100	247.157567	-38.376062	996.93	1619.43
6	GUIDE	1029314288	8.67	8748	0.115	-0.007	0.068	0.113	246.226255	-38.448971	-1639.47	1755.08
7	GUIDE	1029445704	9.41	8744	0.002	-0.023	0.100	0.160	247.576649	-38.395272	2153.91	1365.13

2.4 Star Slots

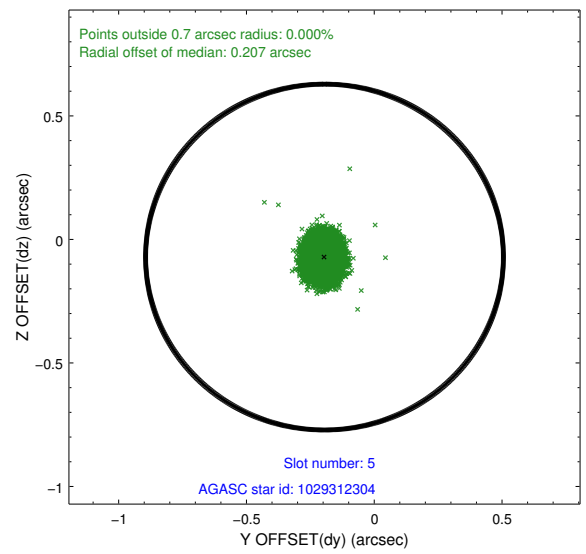
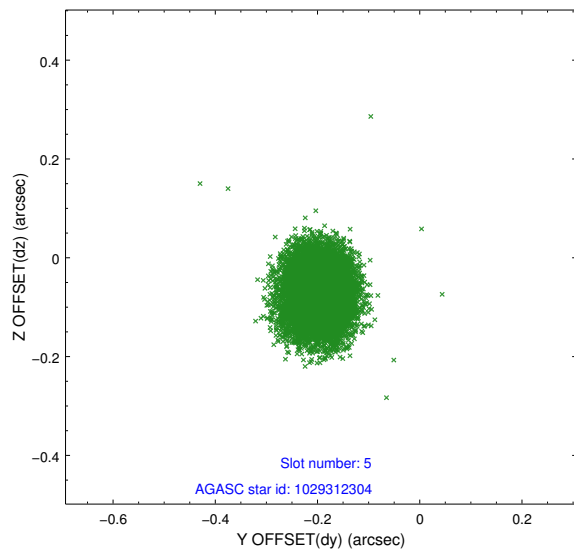
2.4.1 Slot 3



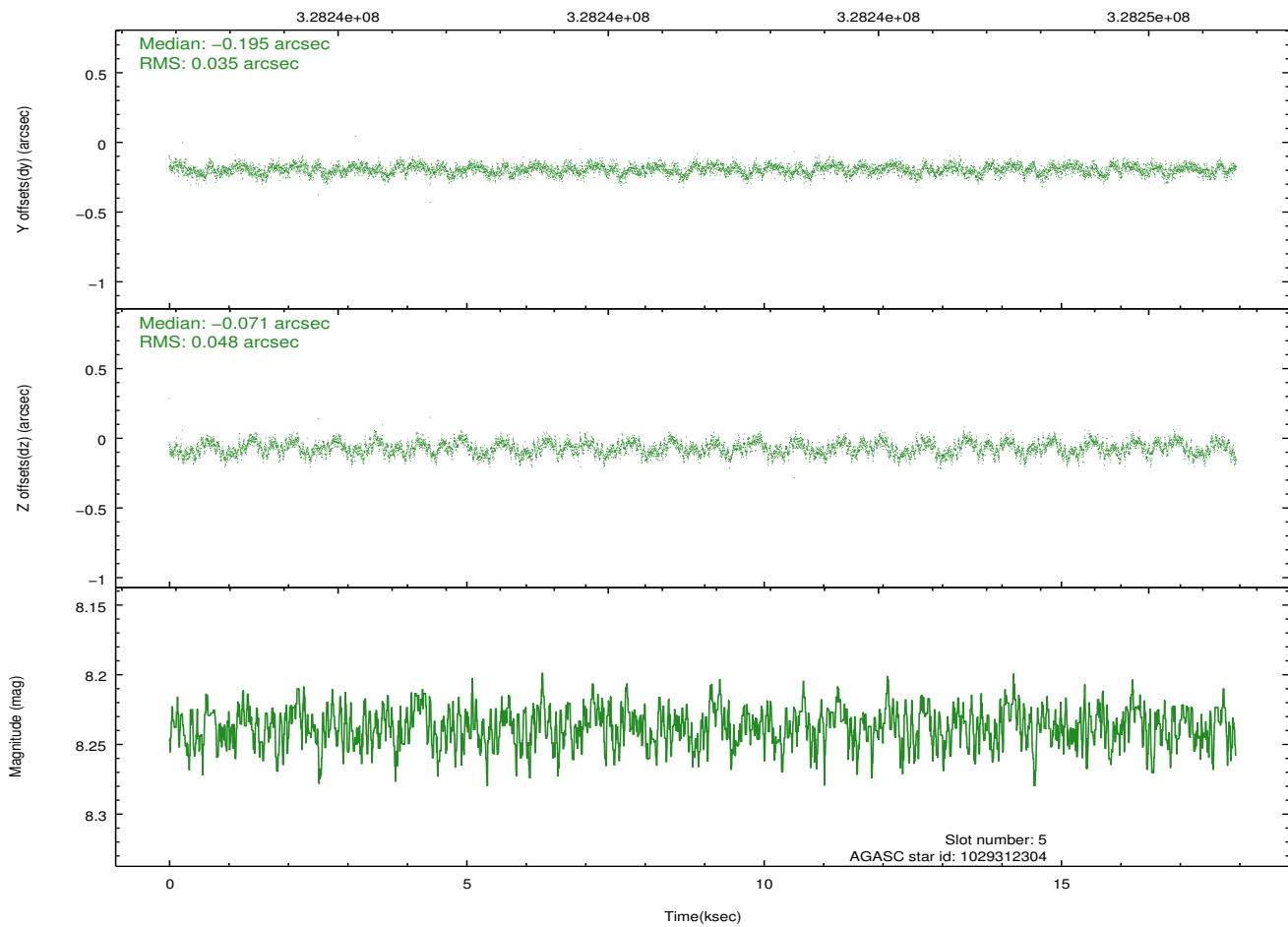
2.4.2 Slot 4



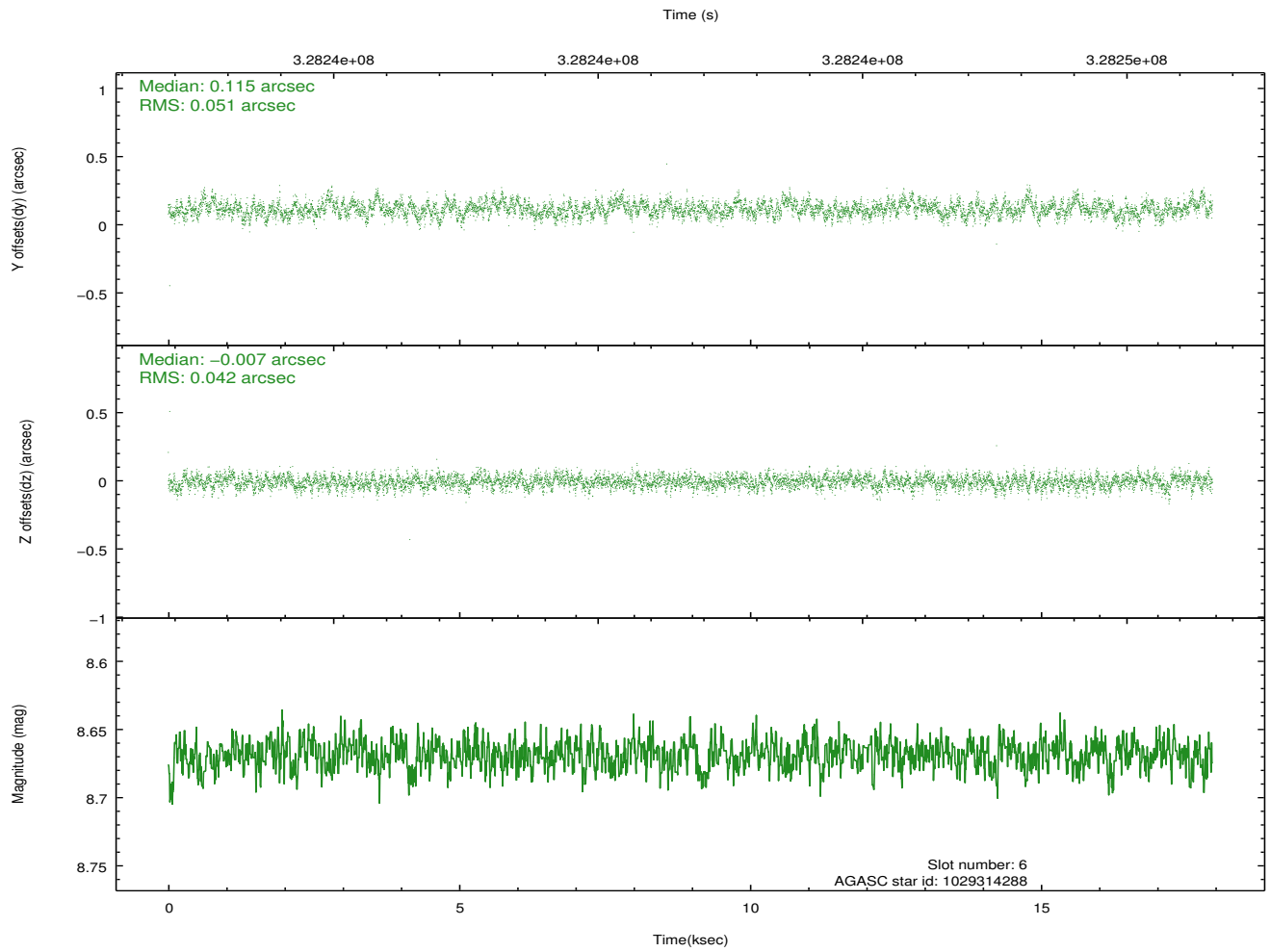
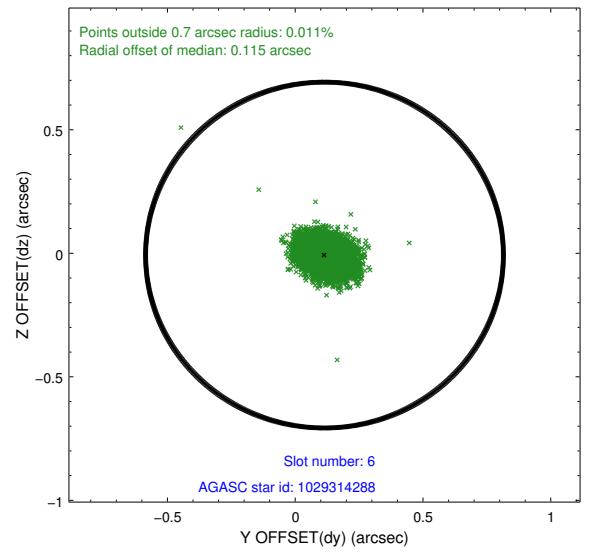
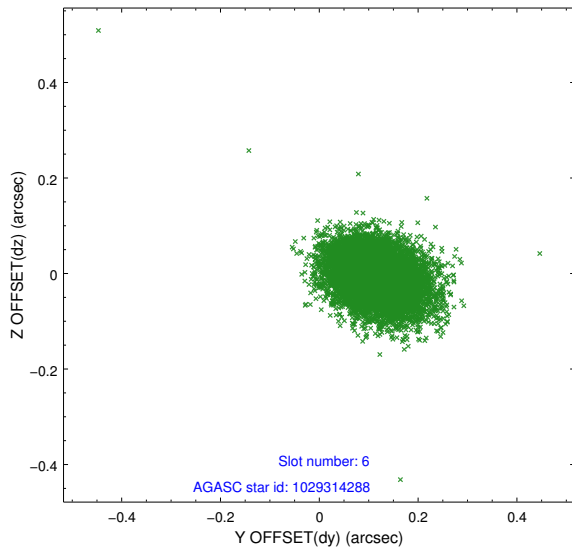
2.4.3 Slot 5



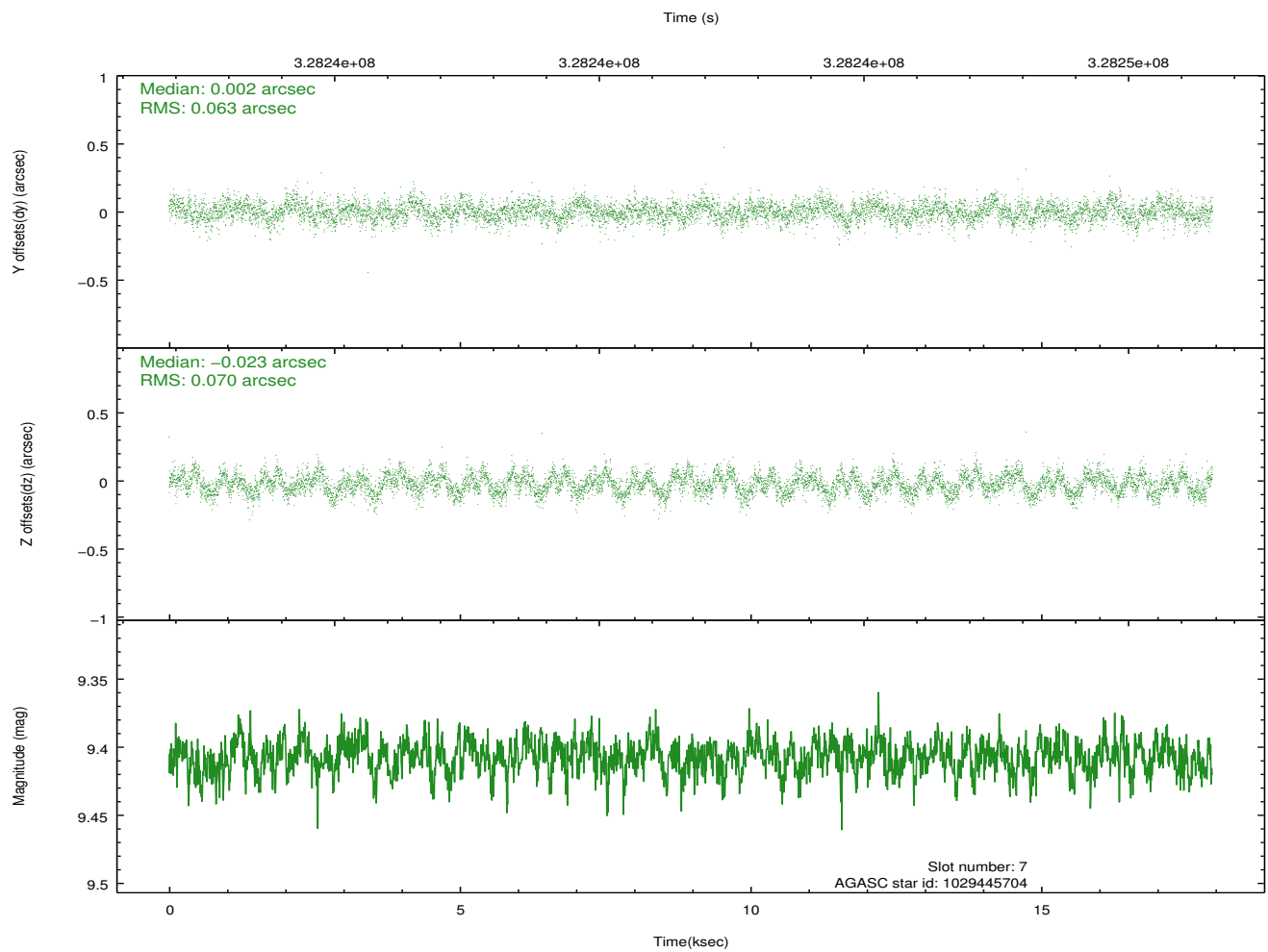
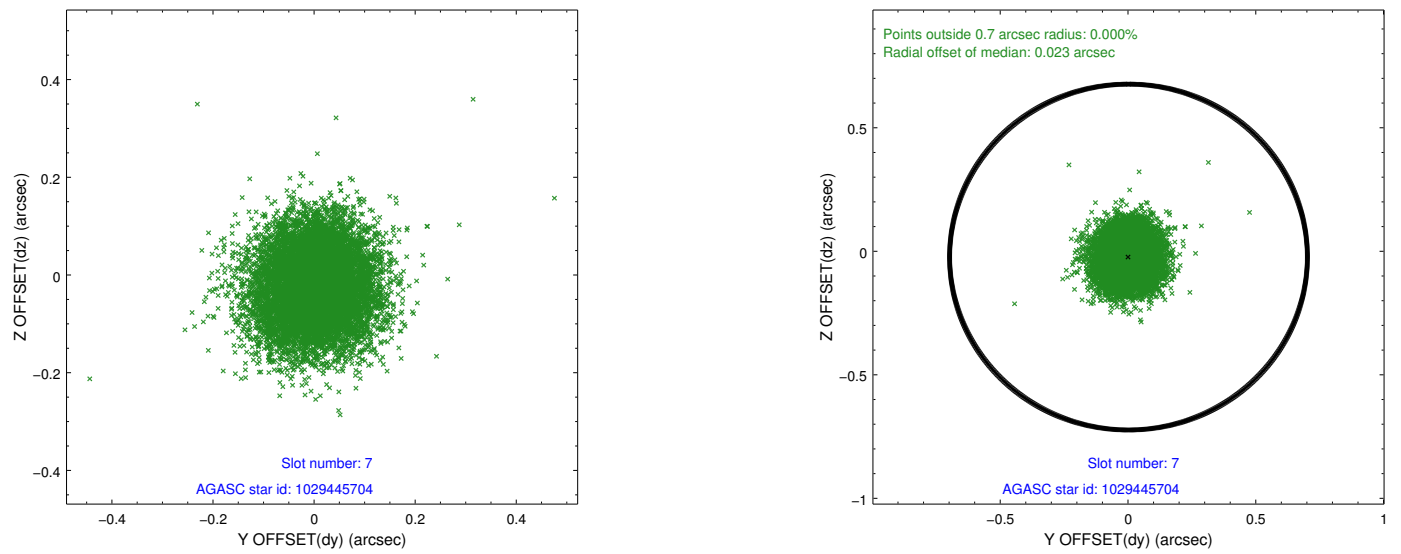
Time (s)



2.4.4 Slot 6

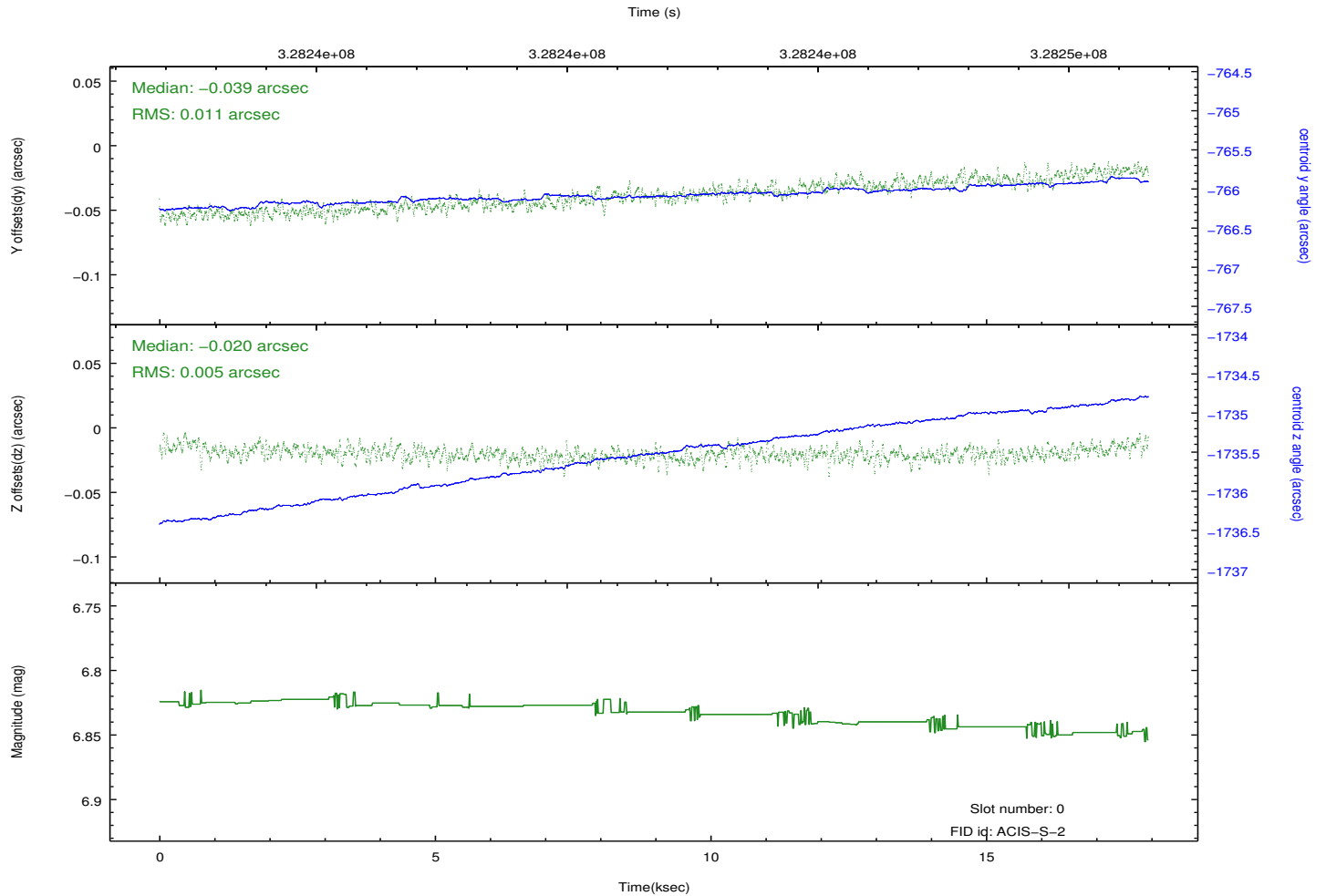
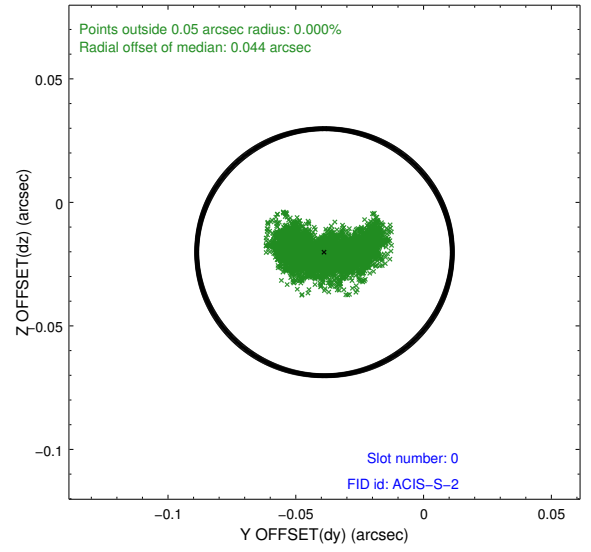
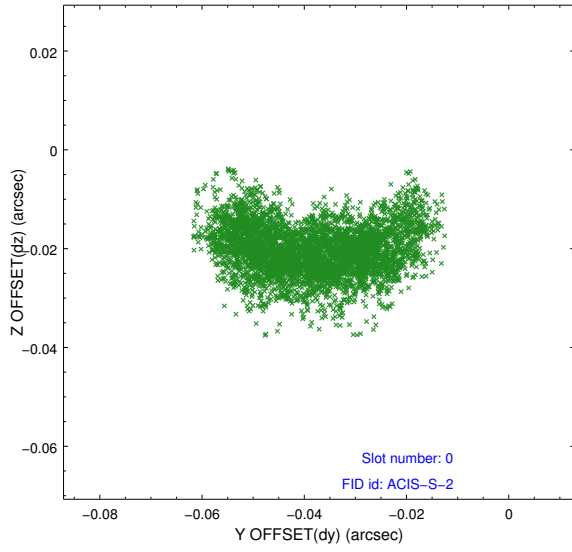


2.4.5 Slot 7

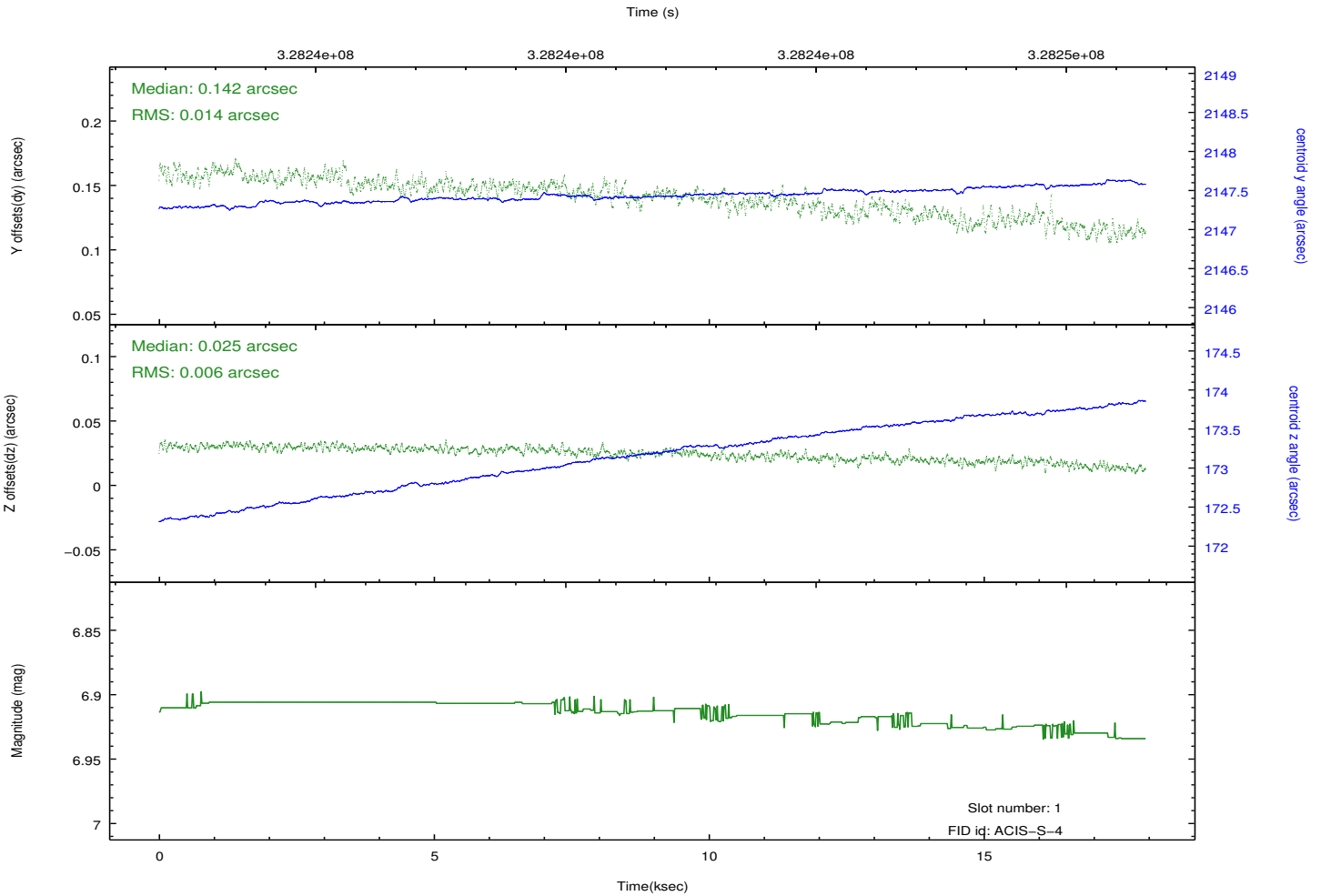
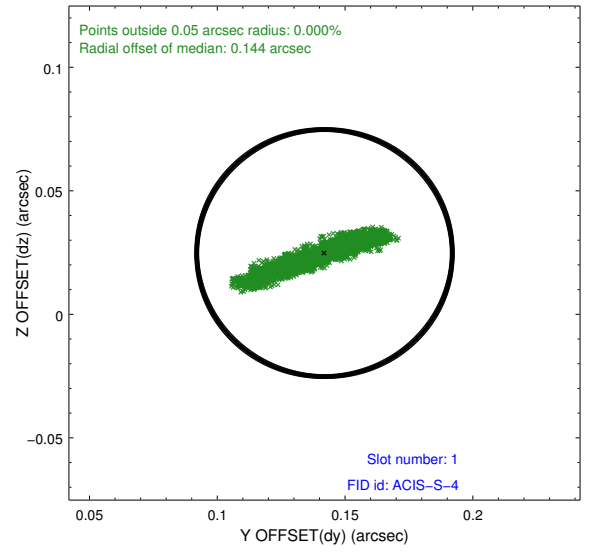
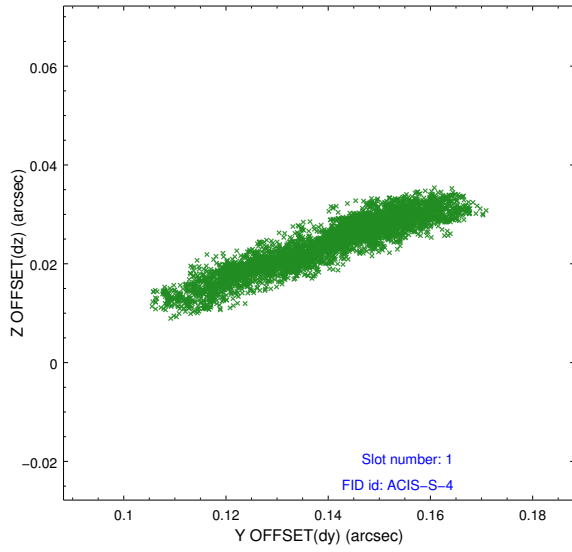


2.5 FID Slots

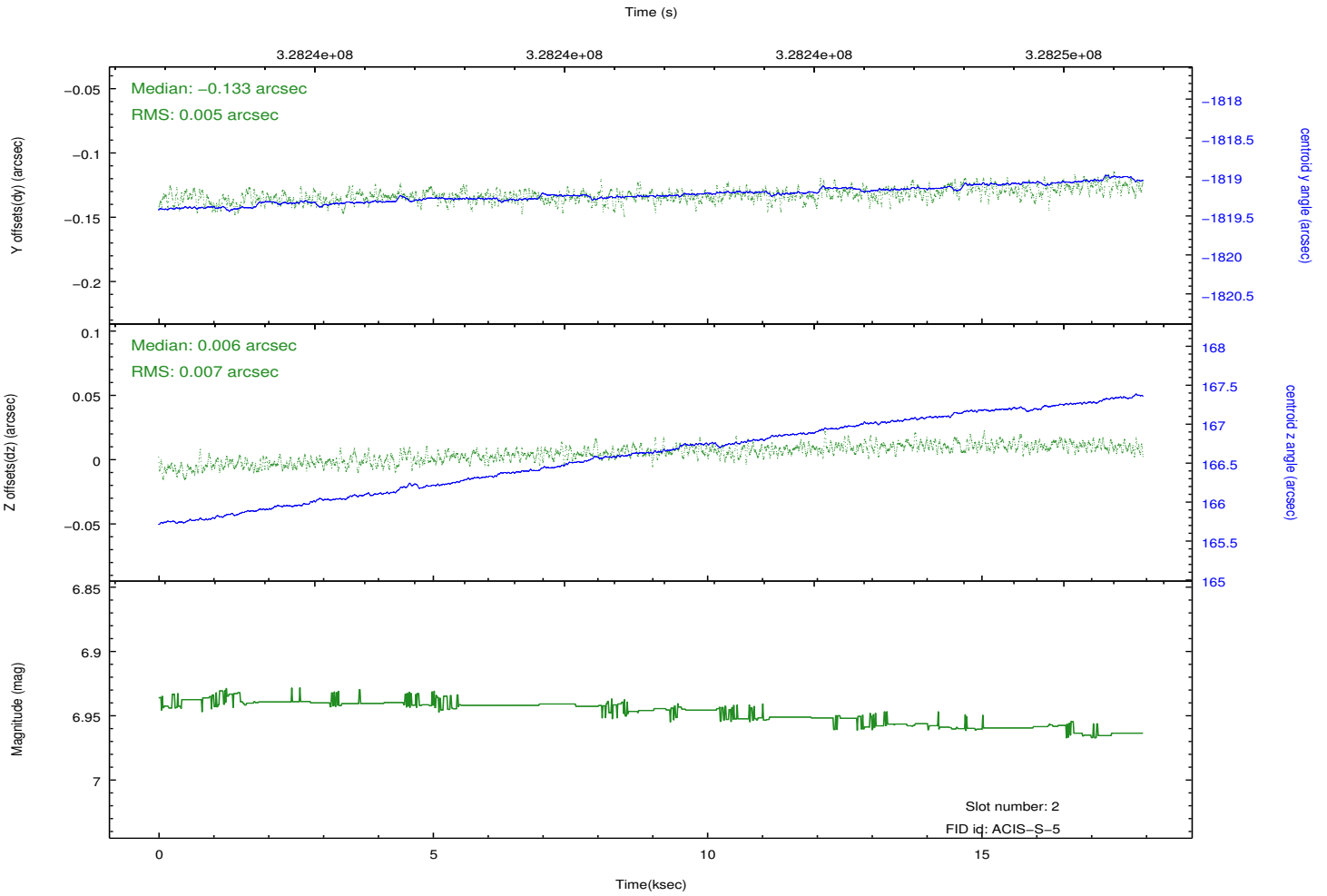
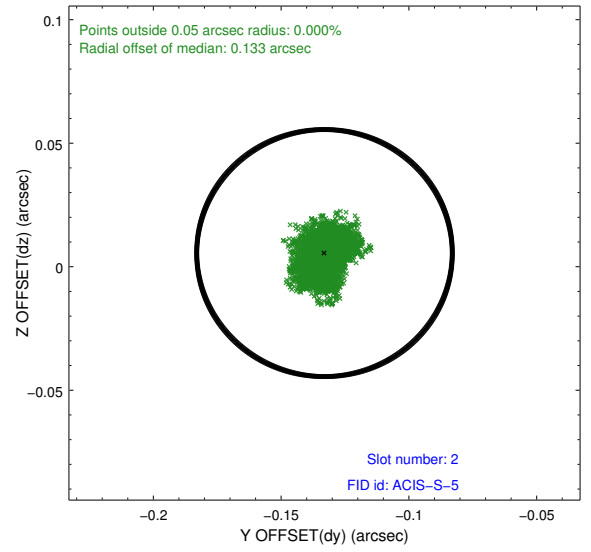
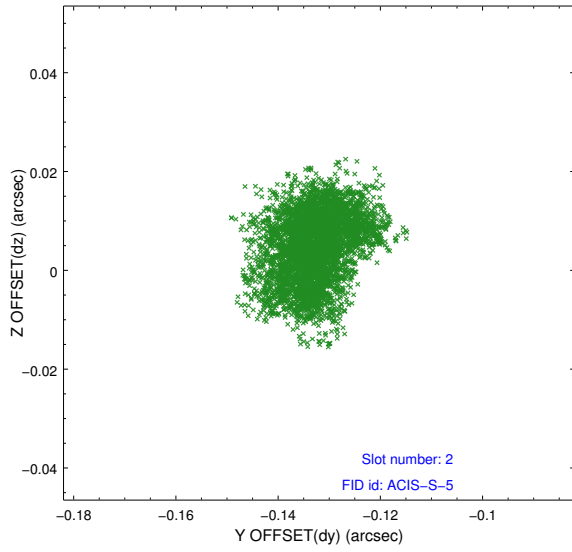
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.9423999

A.2 Comments