

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7044 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 12 2012

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1 Front

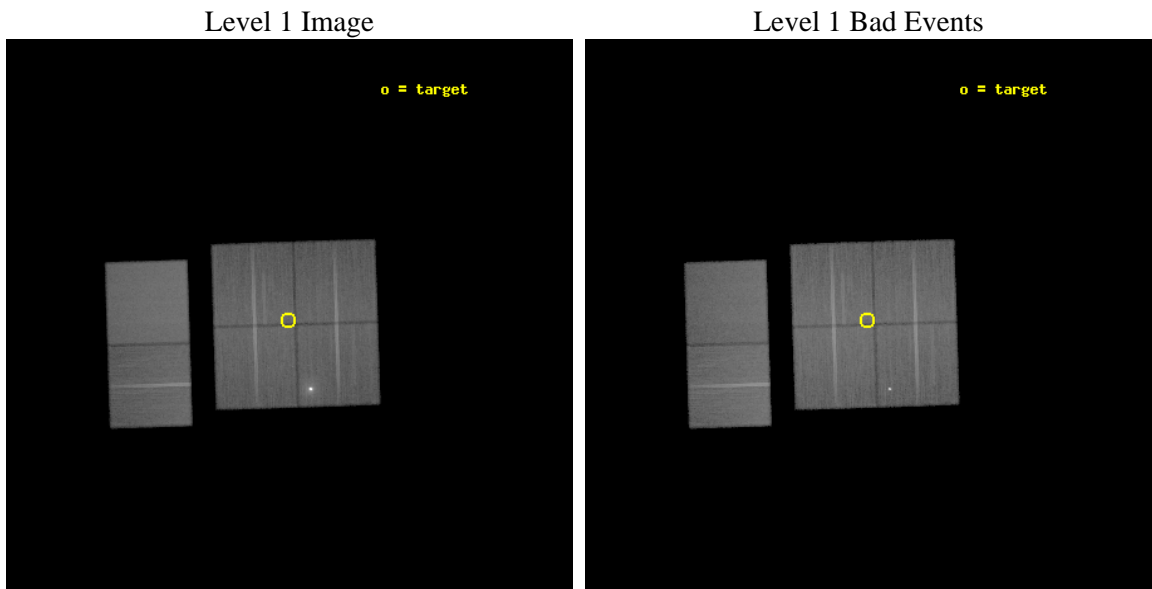
seq_num	900460	Sequence number
obs_id	7044	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 23	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.6325	Observer's specified target RA [deg]
dec_targ	-28.610611	Observer's specified target Dec [deg]
ra_nom	266.63029718364	Nominal RA [deg]
dec_nom	-28.61482498415	Nominal Dec [deg]
roll_nom	268.20763310758	Nominal Roll [deg]
revision	2	Processing version of data
ontime	38361.599857152	Sum of GTIs [s]
livetime	37875.842181178	Livetime [s]
ontime0	38361.599857152	Sum of GTIs [s]
ontime1	38361.599857152	Sum of GTIs [s]
ontime2	38358.358916759	Sum of GTIs [s]
ontime3	38361.599857152	Sum of GTIs [s]
ontime6	38358.358996511	Sum of GTIs [s]
ontime7	38361.599857152	Sum of GTIs [s]
l2events	527848	Number of level 2 events



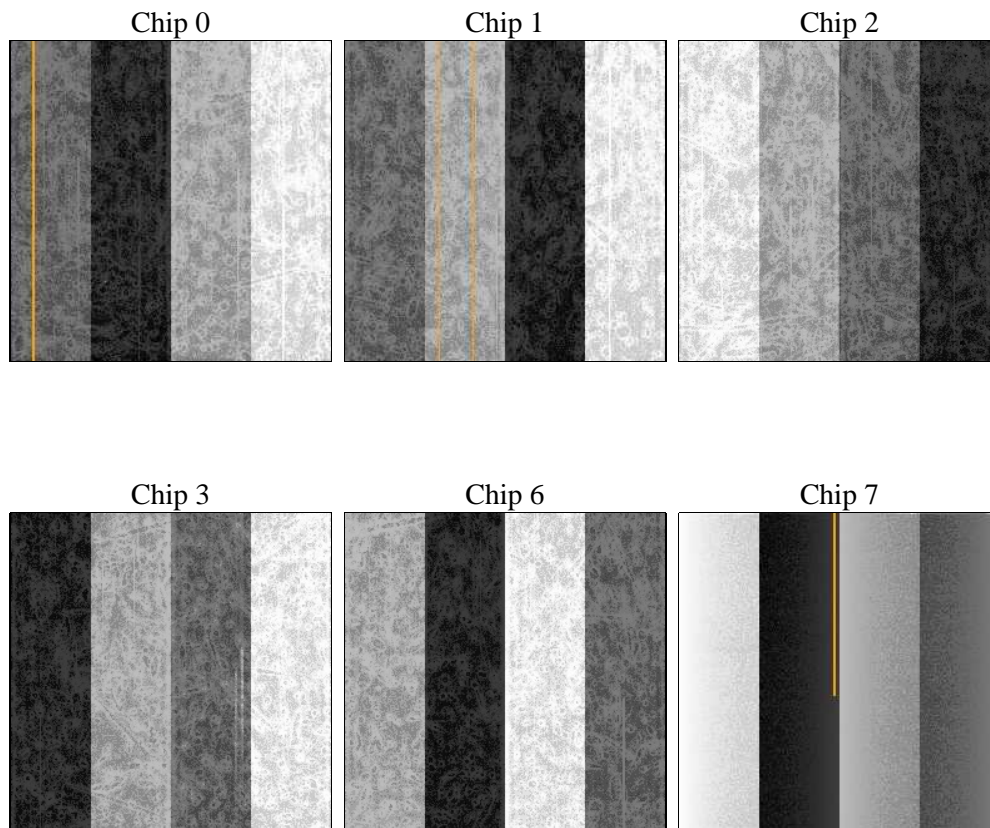
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	38361.599857152	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	38361.599857152	Sum of GTIs [s]
date	2012-04-13T00:04:52	Date and time of file creation	ontime1	38361.599857152	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	38358.358916759	Sum of GTIs [s]
			ontime3	38361.599857152	Sum of GTIs [s]
			ontime6	38358.358996511	Sum of GTIs [s]
			ontime7	38361.599857152	Sum of GTIs [s]
			l1events	2403955	Number of level 1 events

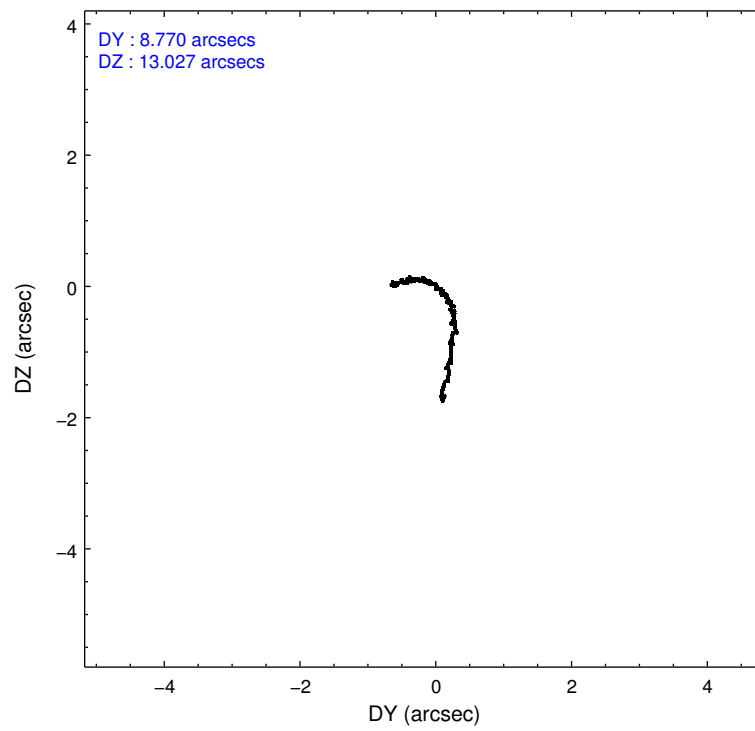
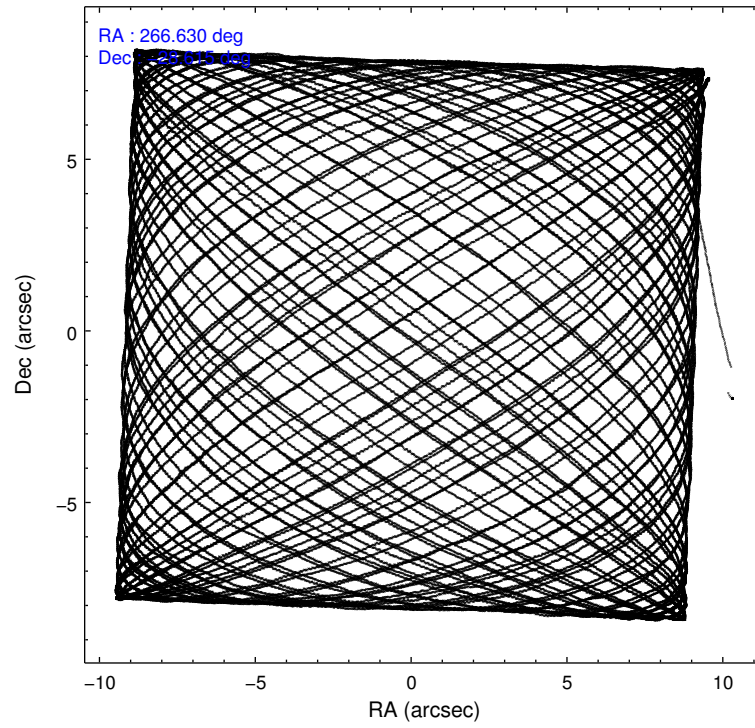
2.1.4 Events

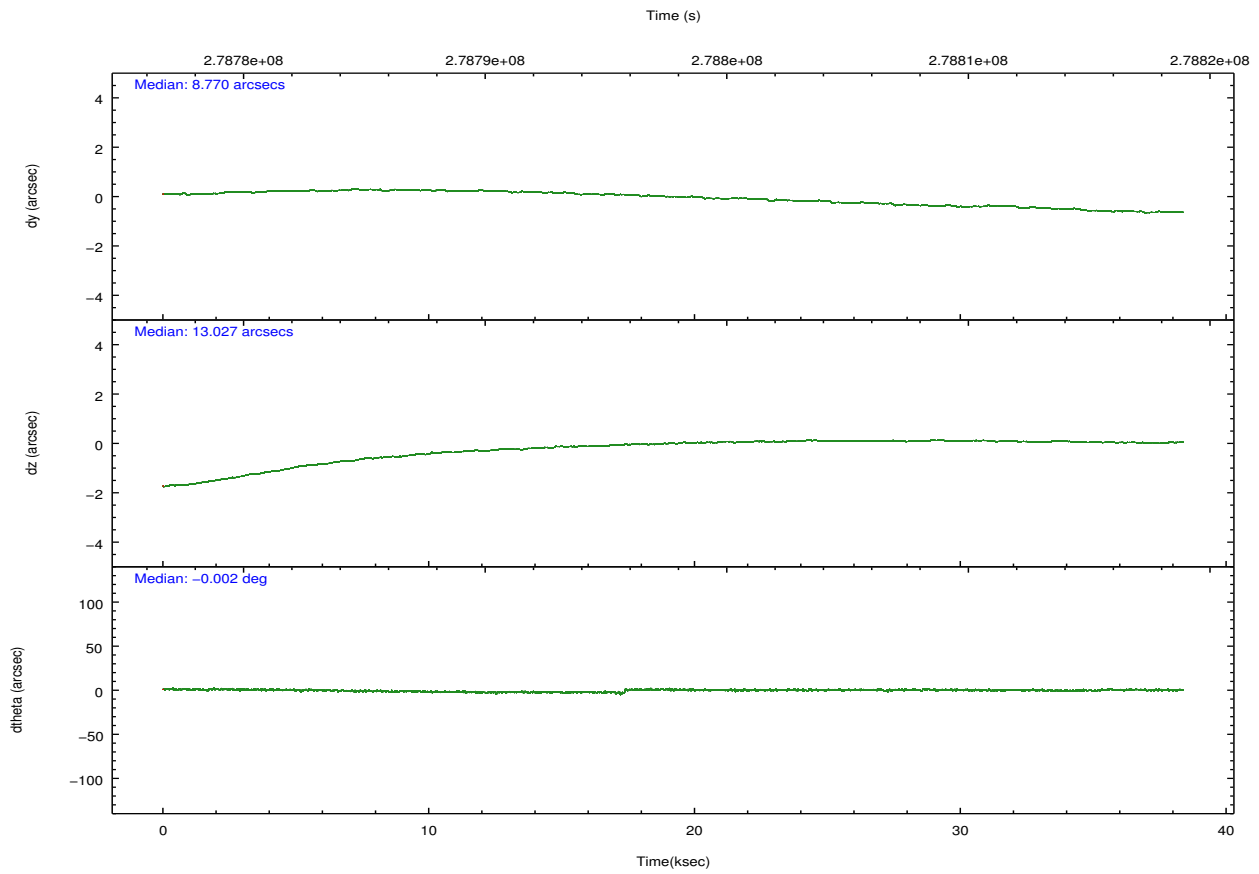
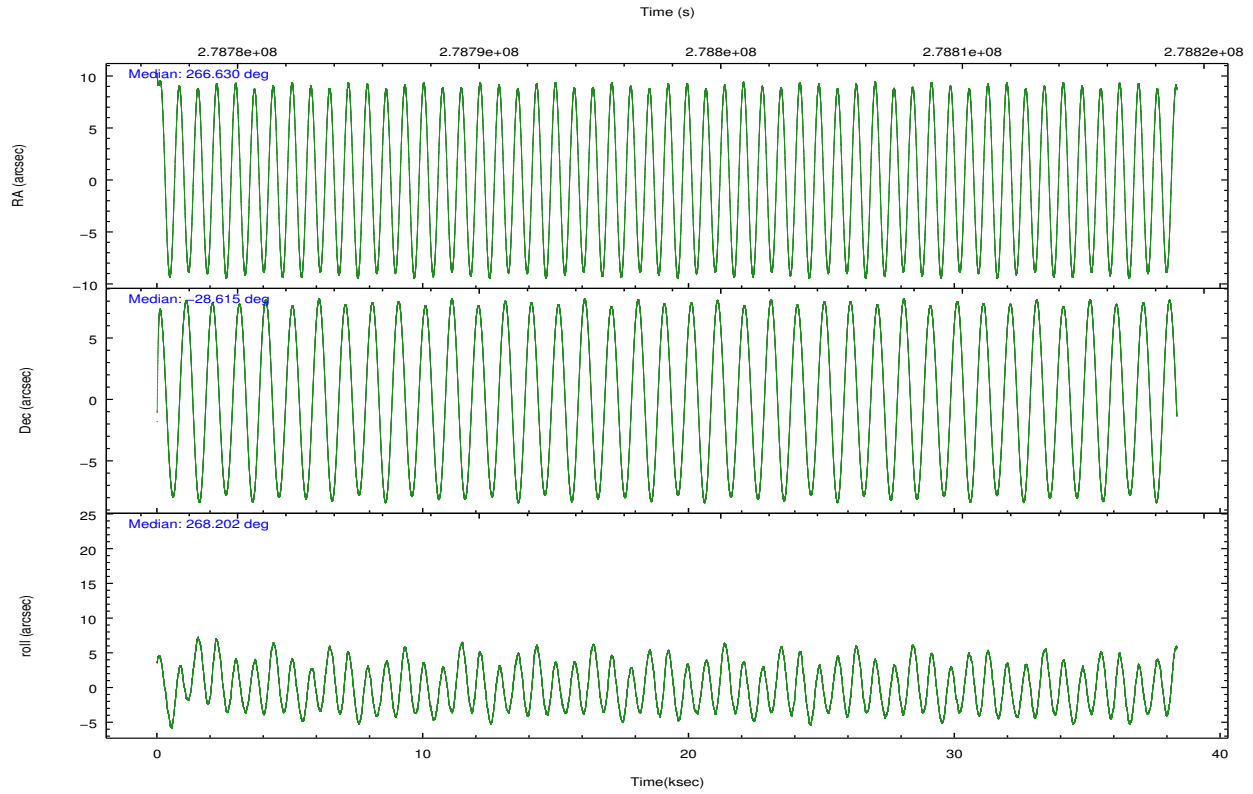
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	445303	343684	376675	364994	379727	493572	grade 0 events	79557	23724	29141	26128	19913	18679
rejected events	297413	289657	319477	311690	332387	287094		17%	6%	7%	7%	5%	3%
rejected %	66%	84%	84%	85%	87%	58%	grade 1 events	2800	180	312	298	225	499
								0%	0%	0%	0%	0%	0%
							grade 2 events	27454	11682	11028	9940	10179	42360
								6%	3%	2%	2%	2%	8%
							grade 3 events	10598	4904	4682	4726	4272	18199
								2%	1%	1%	1%	1%	3%
							grade 4 events	10445	4638	4742	4667	4243	17744
								2%	1%	1%	1%	1%	3%
							grade 5 events	16967	15413	13646	16361	17131	46172
								3%	4%	3%	4%	4%	9%
							grade 6 events	20734	9635	8149	8390	9250	111647
								4%	2%	2%	2%	2%	22%
							grade 7 events	276748	273508	304975	294484	314514	238272
								62%	79%	80%	80%	82%	48%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.615438	266.6302971836359	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.590741	-28.61482498415026	Alternating exposures requested	N	N
[deg] Pointing Roll	267.991834	268.2076331075824	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	278778769.184000	278777504.78336			
Observation start date	2006-11-01T14:31:44	2006-11-01T14:11:44			
[s] Observation end time (MET)	278816969.184000	278817164.59773			
Observation end date	2006-11-02T01:08:24	2006-11-02T01:12:44			
Read mode	TIMED	TIMED			

2.3 Aspect



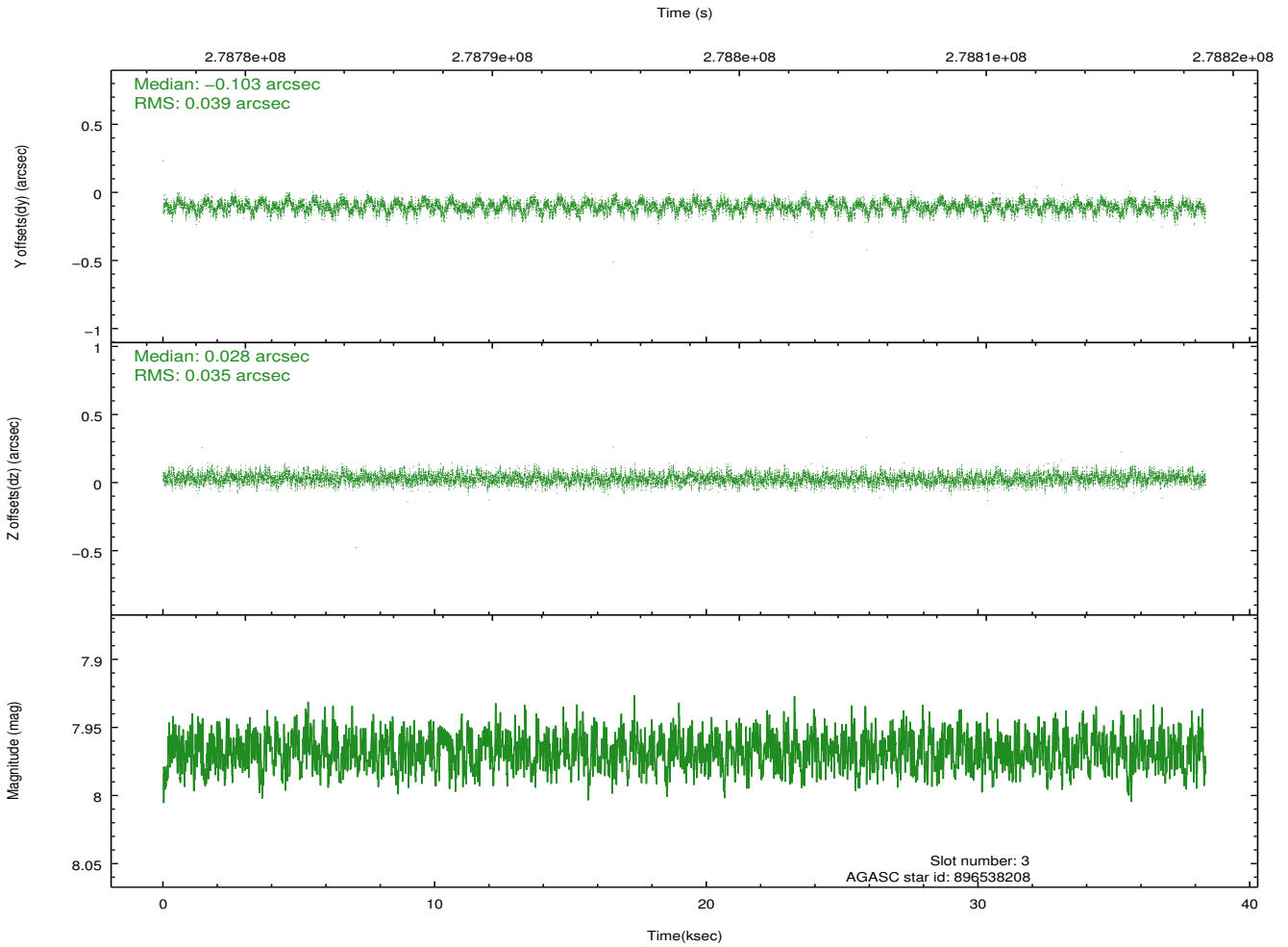
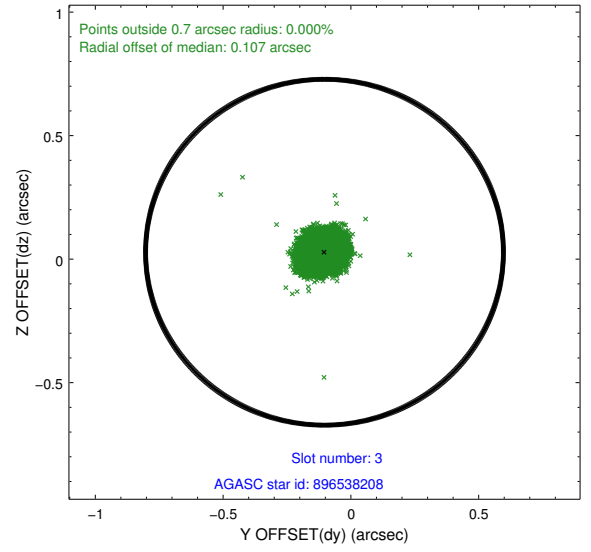
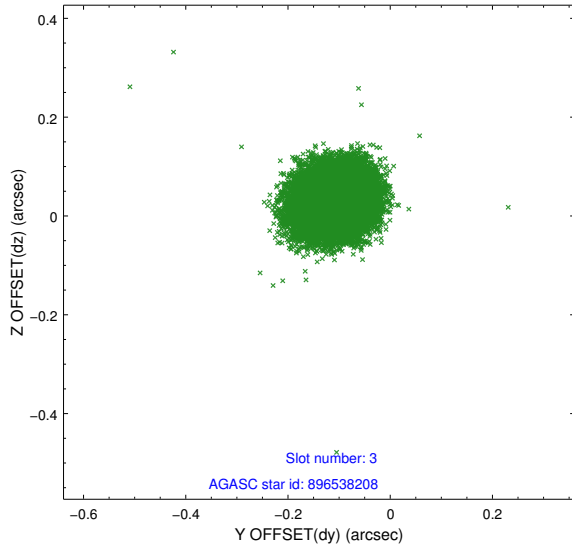


Slot Statistics

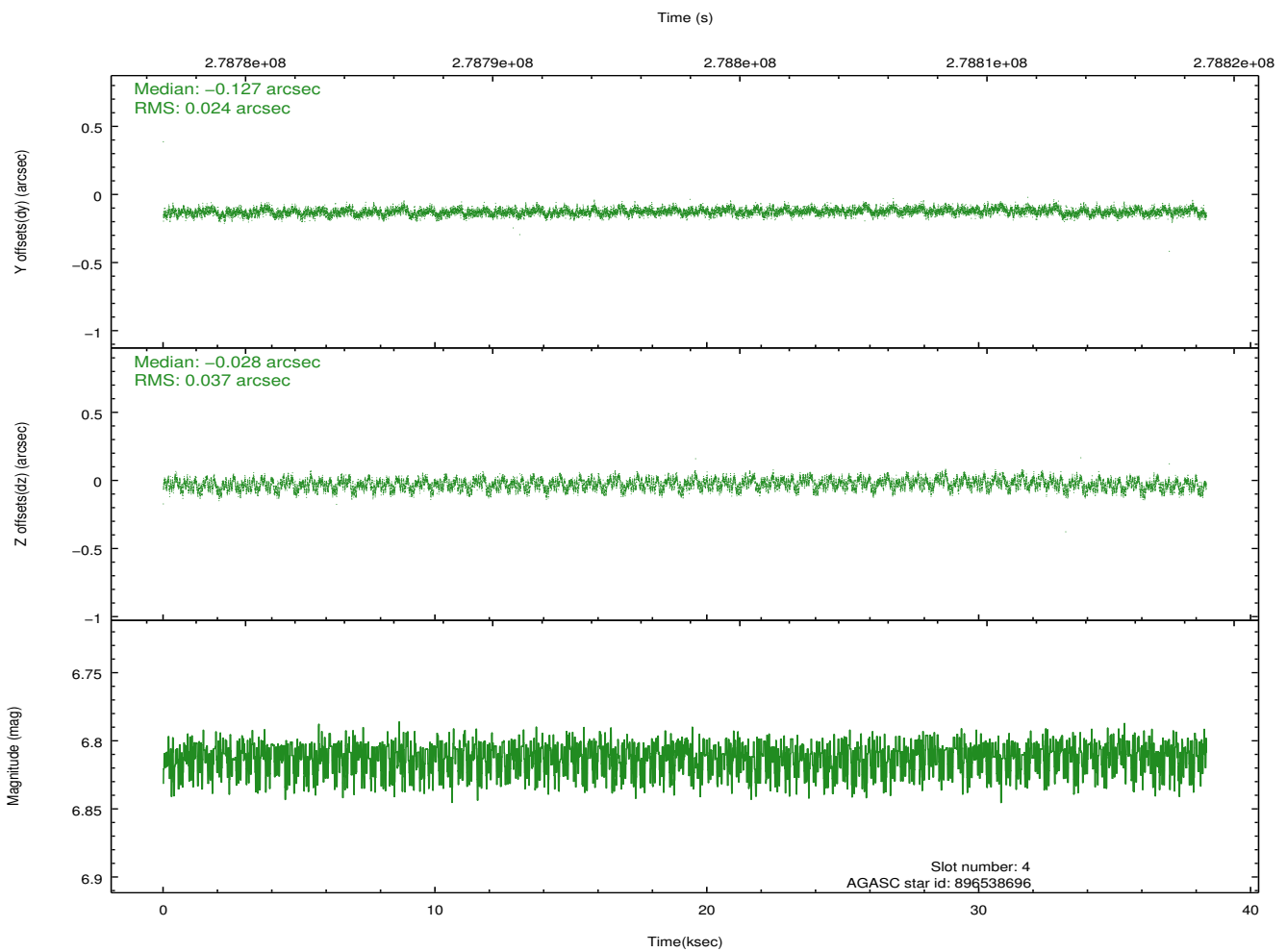
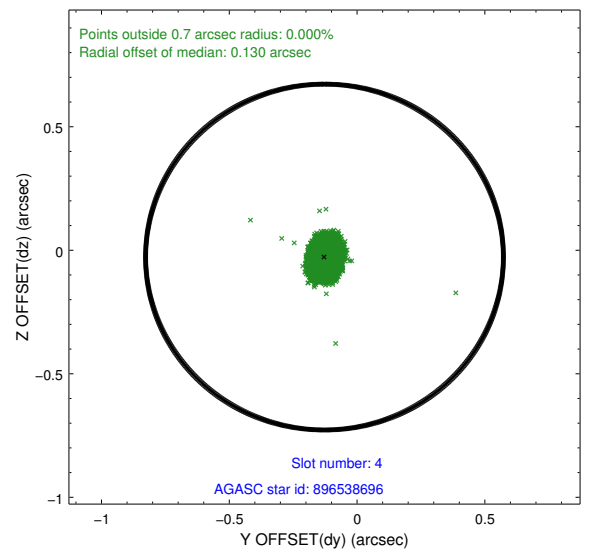
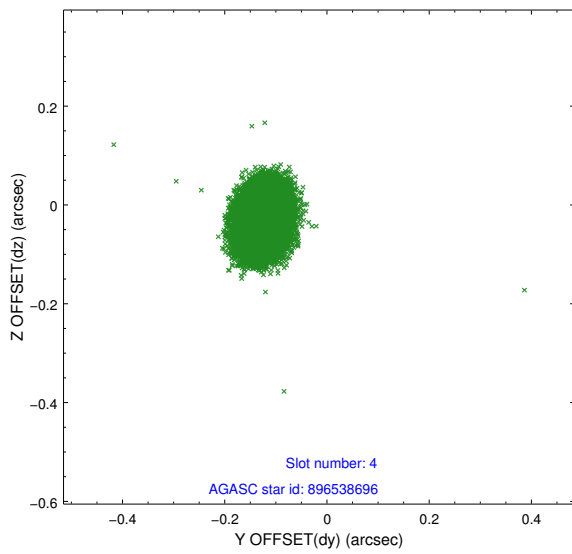
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9357	-0.016	-0.014	0.040	0.067	0.000000	0.000000	930.92	-836.33
1	FID	ACIS-I-4	7.19	9358	0.175	0.045	0.022	0.033	0.000000	0.000000	2151.18	1063.54
2	FID	ACIS-I-5	7.23	9358	-0.257	0.042	0.022	0.039	0.000000	0.000000	-1817.28	1061.44
3	GUIDE	896538208	7.97	18713	-0.103	0.028	0.056	0.090	267.176969	-28.671626	233.01	1782.97
4	GUIDE	896538696	6.81	18713	-0.127	-0.028	0.047	0.076	266.298470	-28.325572	-917.26	-1037.25
5	GUIDE	896538920	8.92	18695	0.100	-0.110	0.068	0.110	266.278728	-29.143592	2028.06	-988.25
6	GUIDE	896540888	7.90	18715	-0.045	-0.029	0.052	0.086	267.212234	-28.246138	-1301.32	1848.01
7	GUIDE	896534000	9.27	18694	0.179	0.139	0.094	0.154	267.299113	-29.228915	2227.17	2227.85

2.4 Star Slots

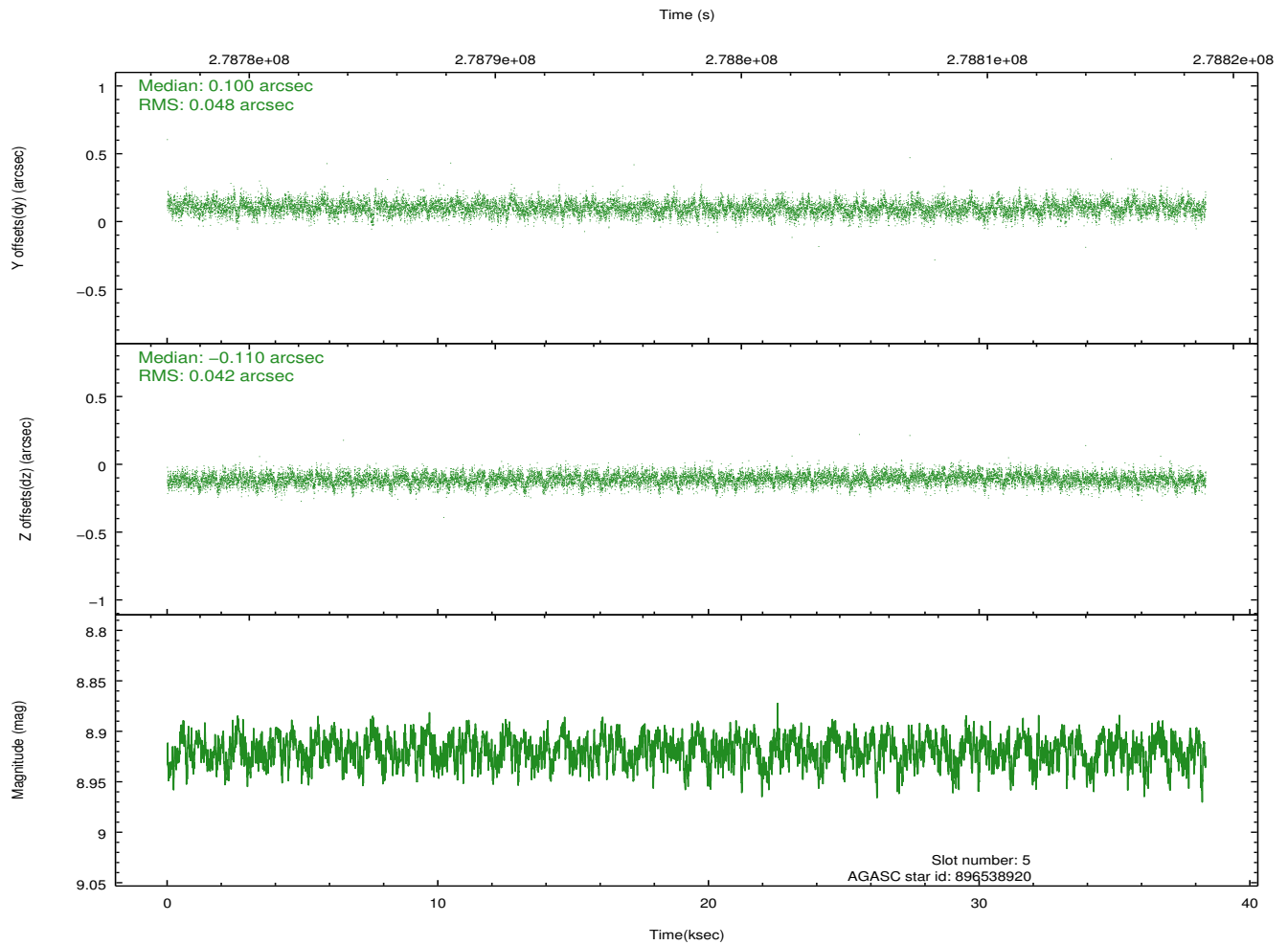
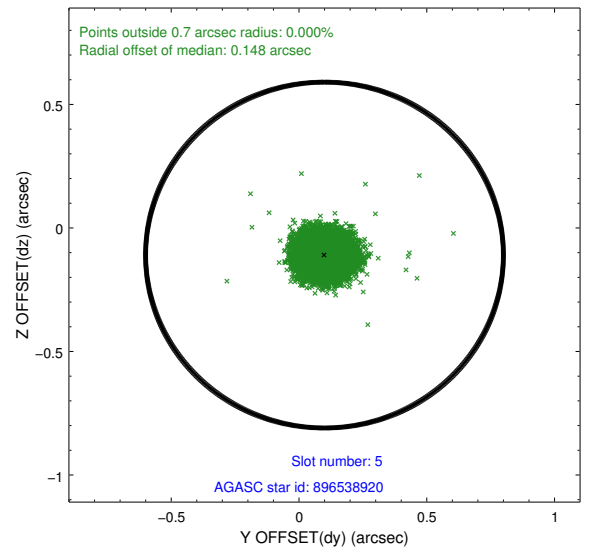
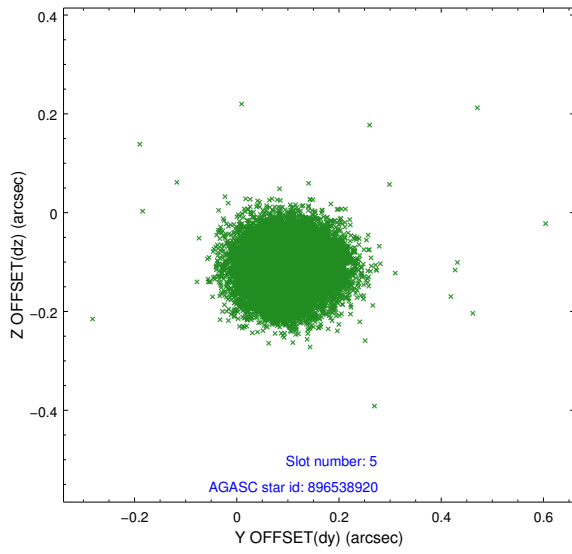
2.4.1 Slot 3



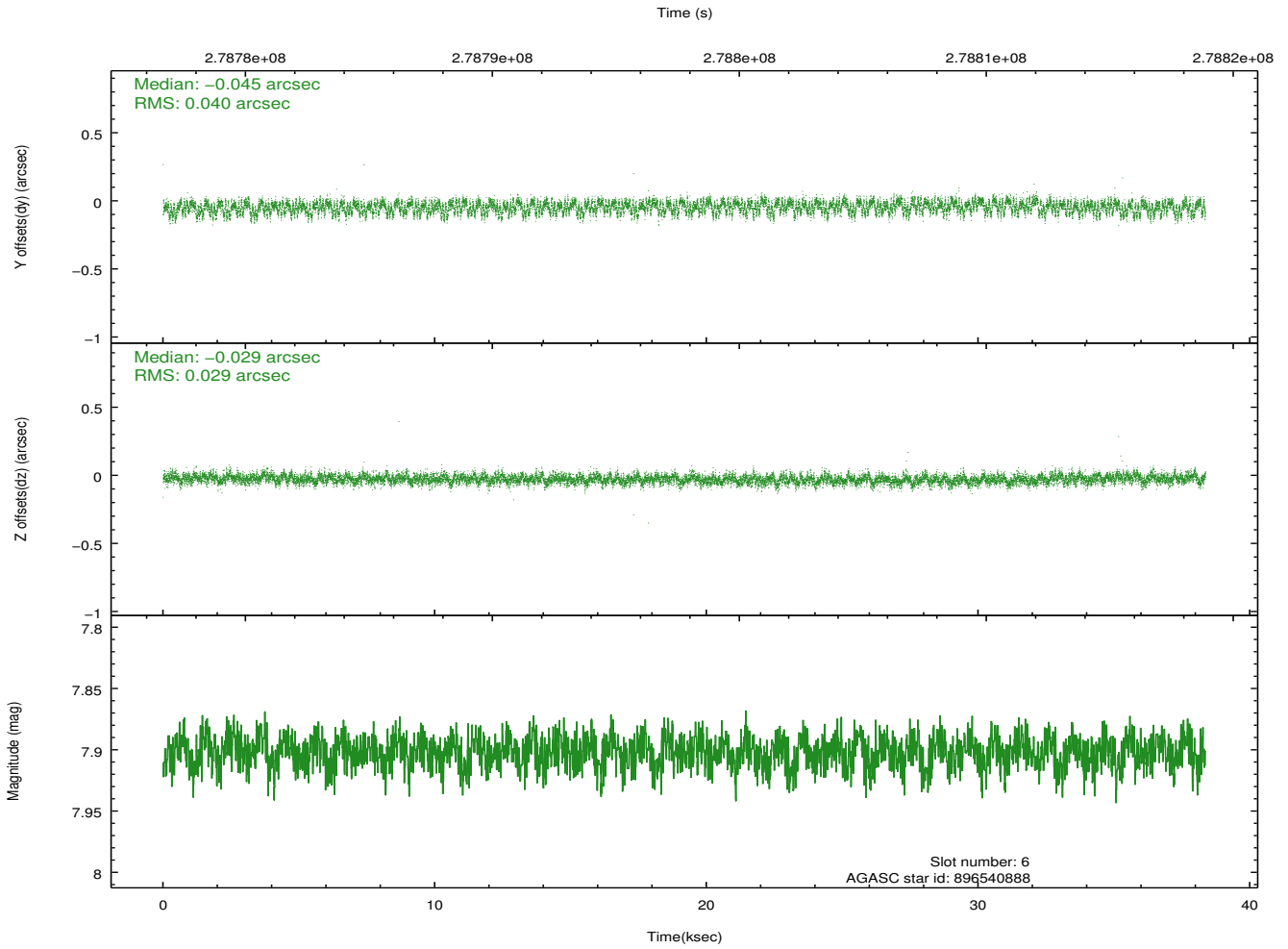
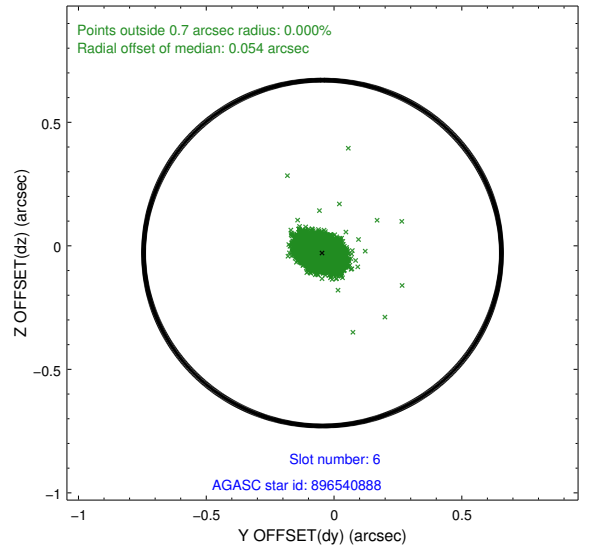
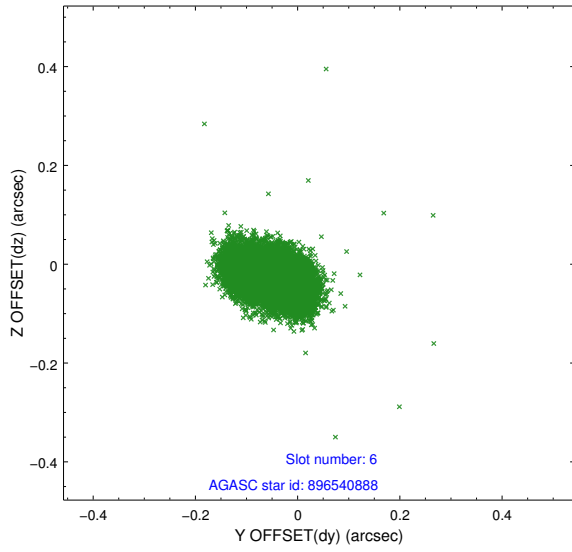
2.4.2 Slot 4



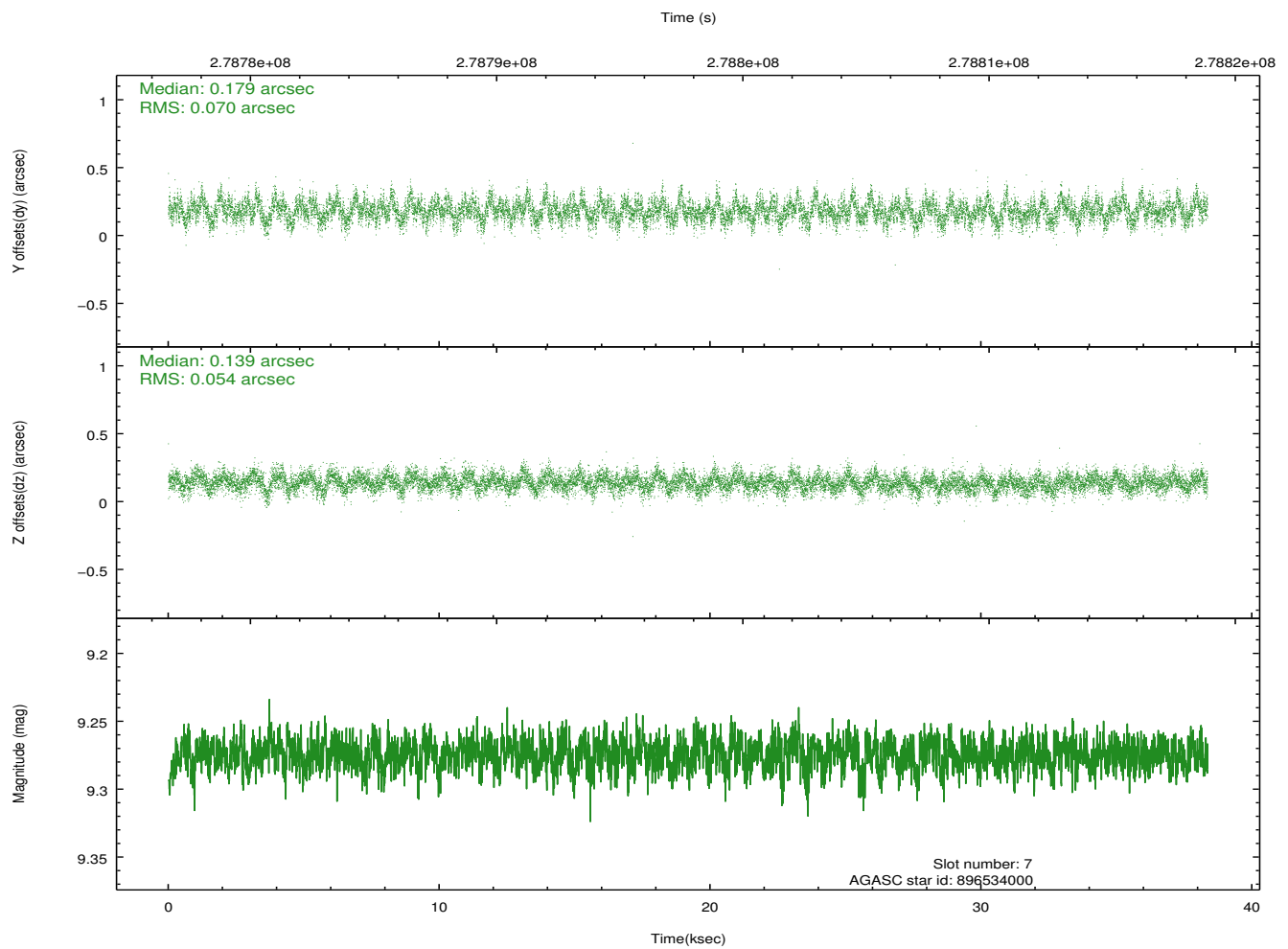
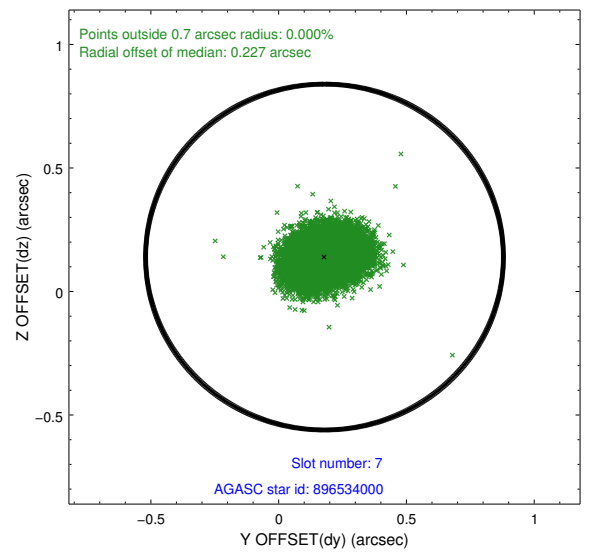
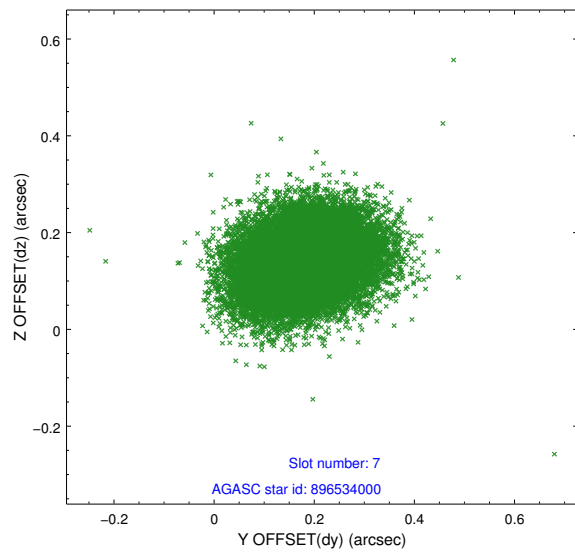
2.4.3 Slot 5



2.4.4 Slot 6

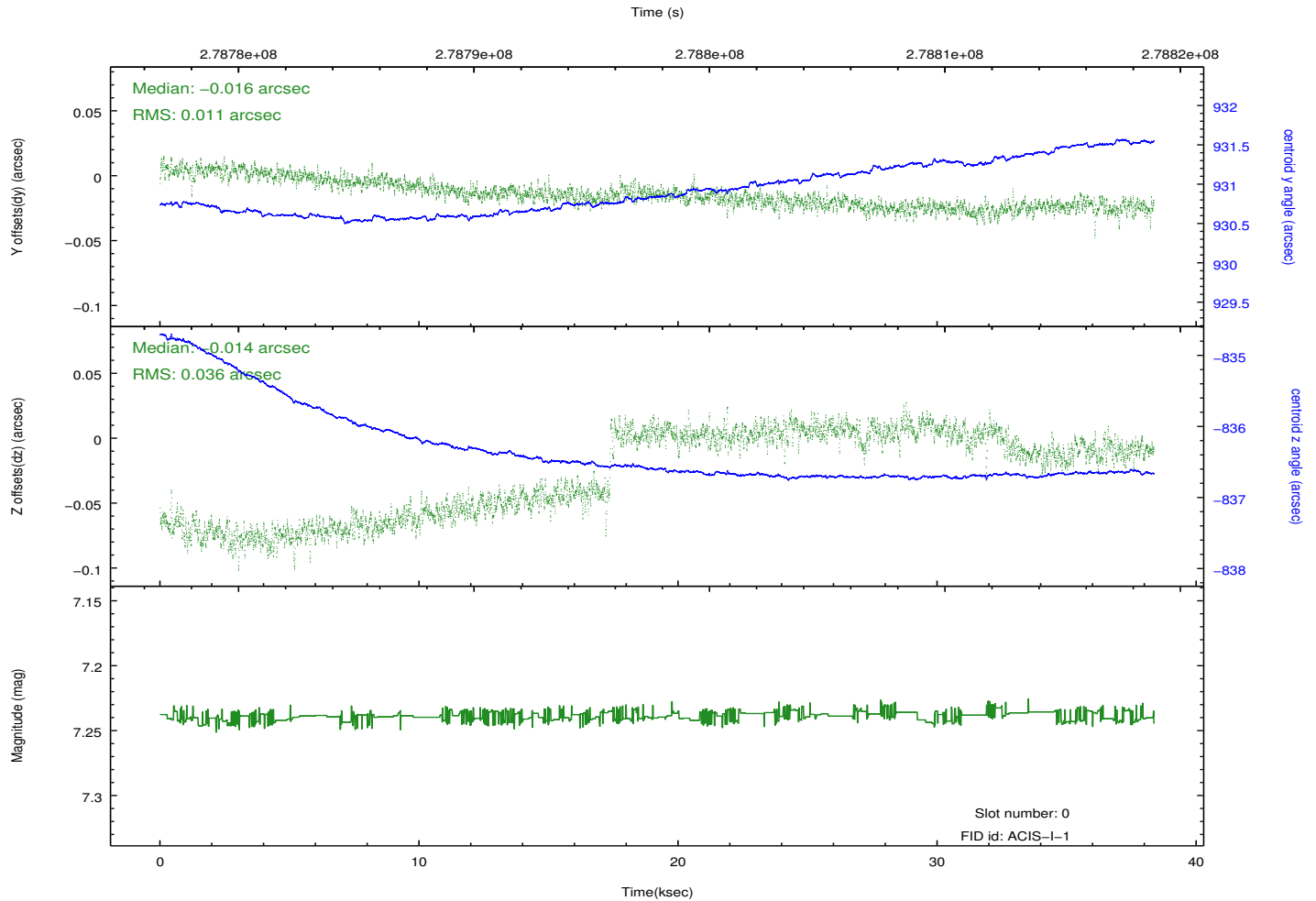
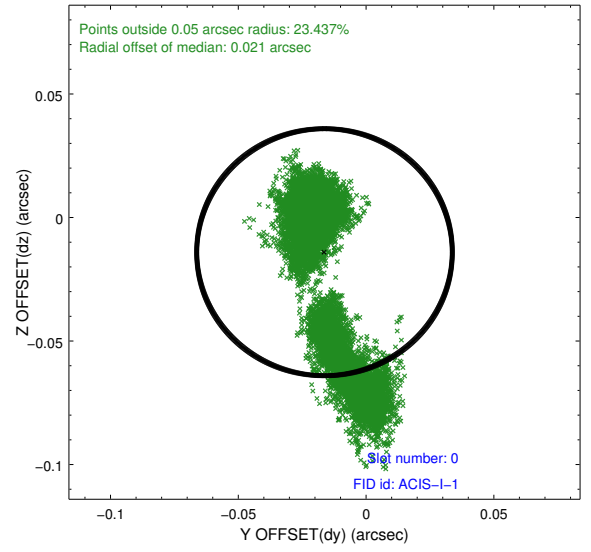
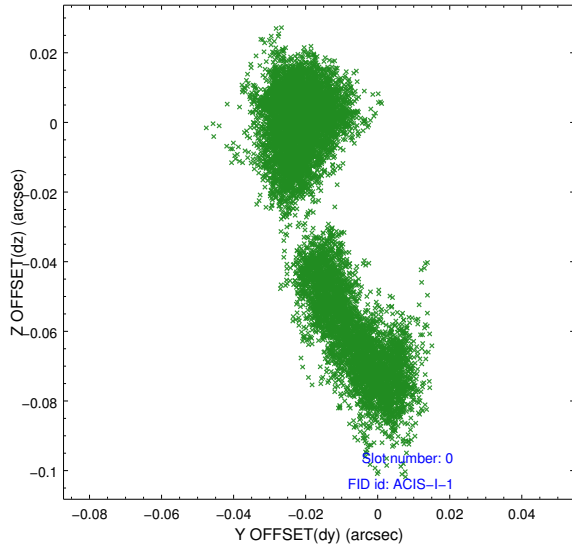


2.4.5 Slot 7

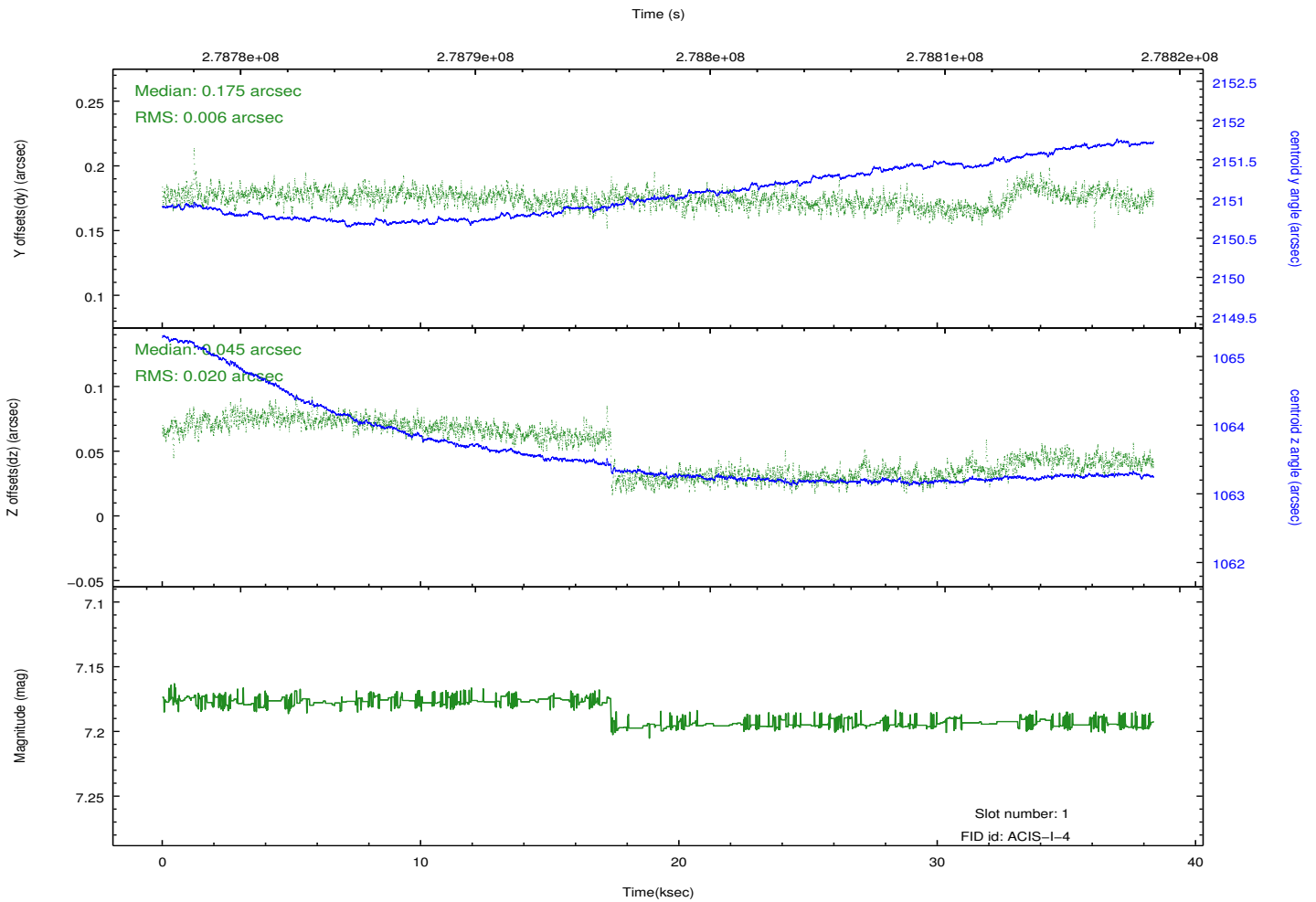
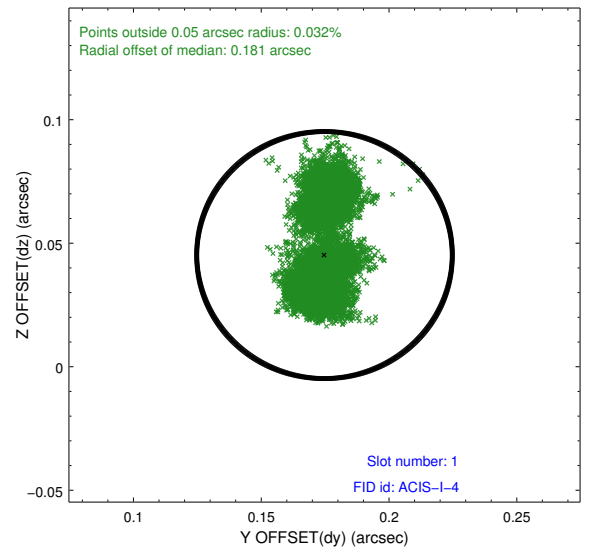
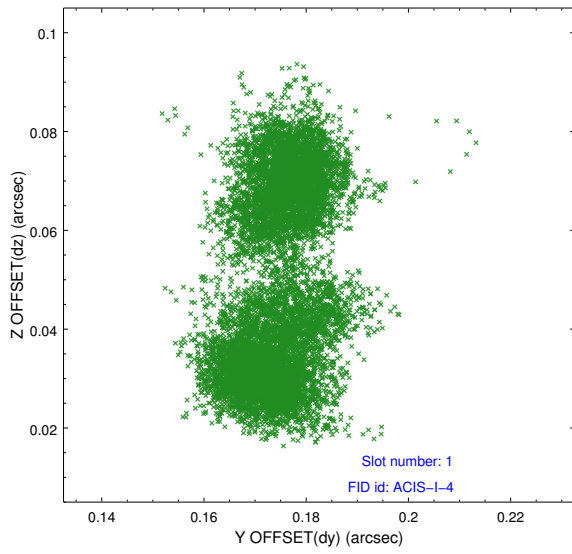


2.5 FID Slots

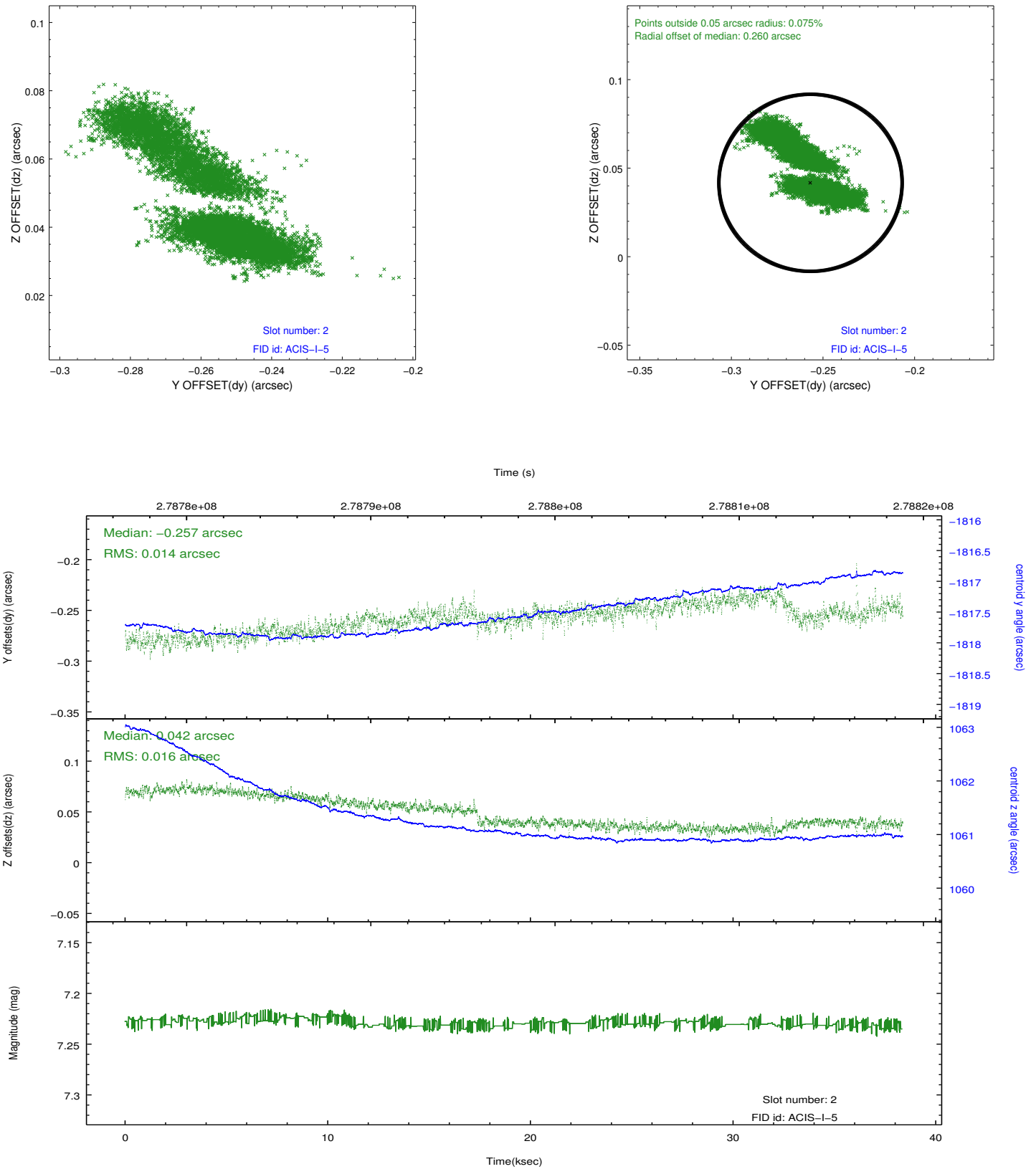
2.5.1 Slot 0



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)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.3615998

A.2 Comments