

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8588 - L2 Version 2
Chandra X-Ray Center

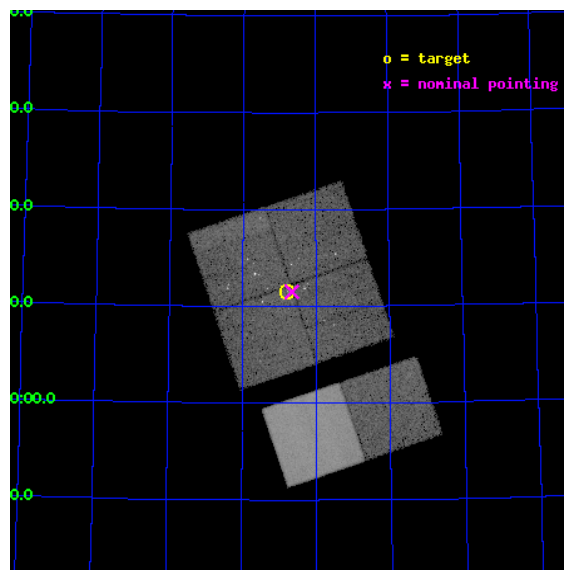
L2 Processing Date : Apr 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

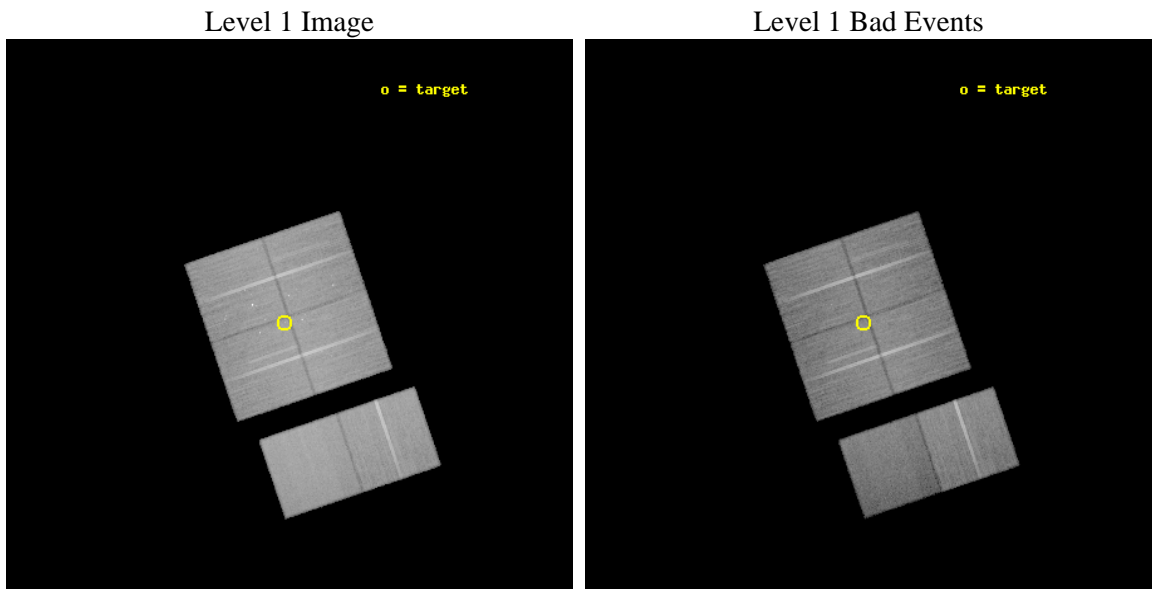
seq_num	200428	Sequence number
obs_id	8588	Observation id
title	X-Ray Emission from Low-Mass Protostars in Small Dark Clouds	Propo
observer	Dr. Theodore Simon	Principal investigator
object	L1251B-VLA3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.695833	Observer's specified target RA [deg]
dec_targ	75.191667	Observer's specified target Dec [deg]
ra_nom	339.66424386513	Nominal RA [deg]
dec_nom	75.191891287259	Nominal Dec [deg]
roll_nom	161.23924211666	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30031.876937449	Sum of GTIs [s]
livetime	29651.595228642	Livetime [s]
ontime0	30022.154006422	Sum of GTIs [s]
ontime1	30035.117897749	Sum of GTIs [s]
ontime2	30041.599888146	Sum of GTIs [s]
ontime3	30031.876937449	Sum of GTIs [s]
ontime6	30041.599888146	Sum of GTIs [s]
ontime7	30041.599888146	Sum of GTIs [s]
l2events	225475	Number of level 2 events



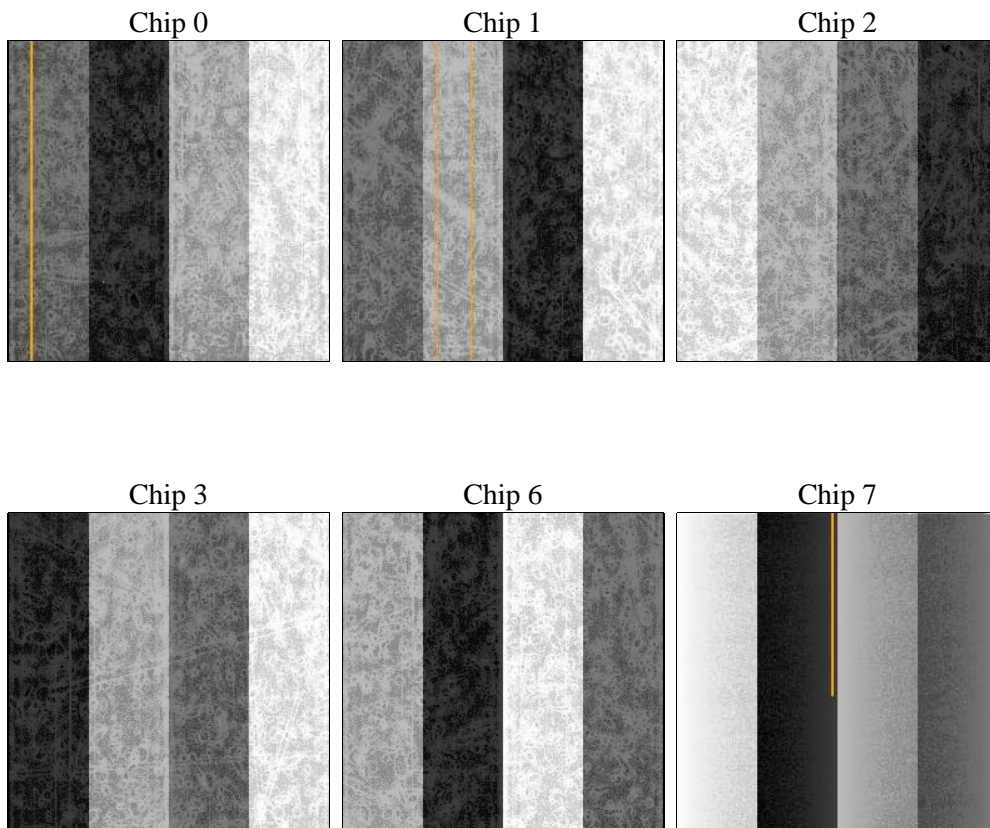
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29999.932000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	30031.876937449	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	30022.154006422	Sum of GTIs [s]
date	2012-04-29T13:40:31	Date and time of file creation	ontime1	30035.117897749	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	30041.599888146	Sum of GTIs [s]
			ontime3	30031.876937449	Sum of GTIs [s]
			ontime6	30041.599888146	Sum of GTIs [s]
			ontime7	30041.599888146	Sum of GTIs [s]
			l1events	1468068	Number of level 1 events

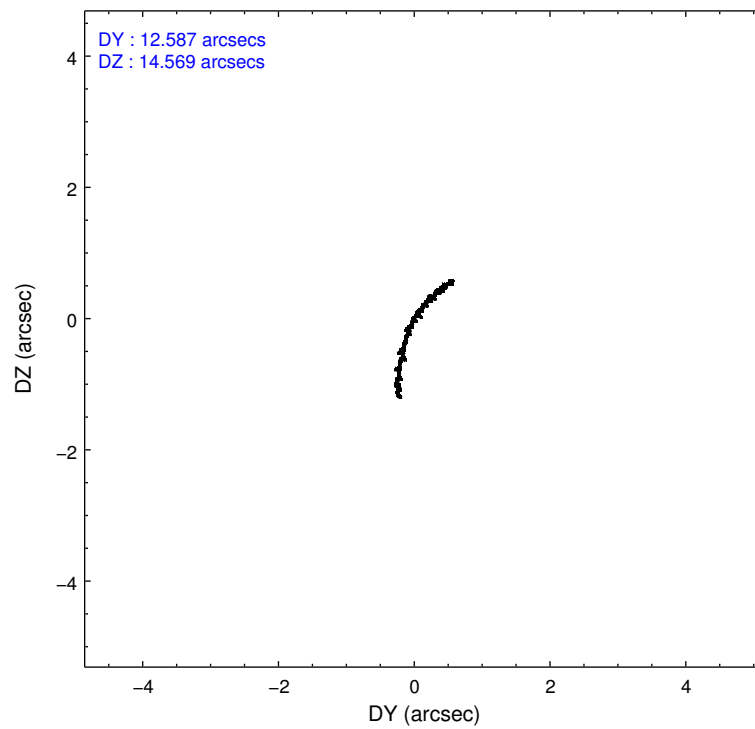
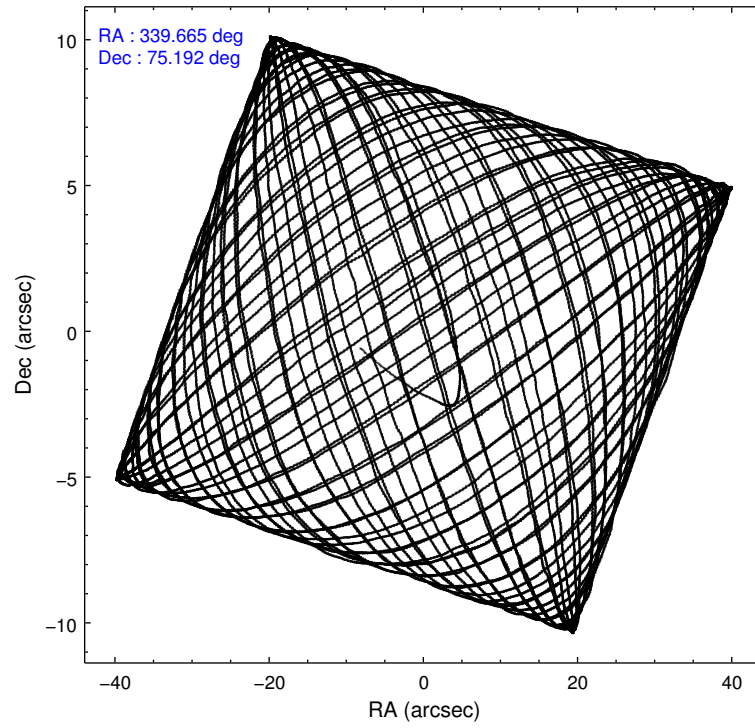
2.1.4 Events

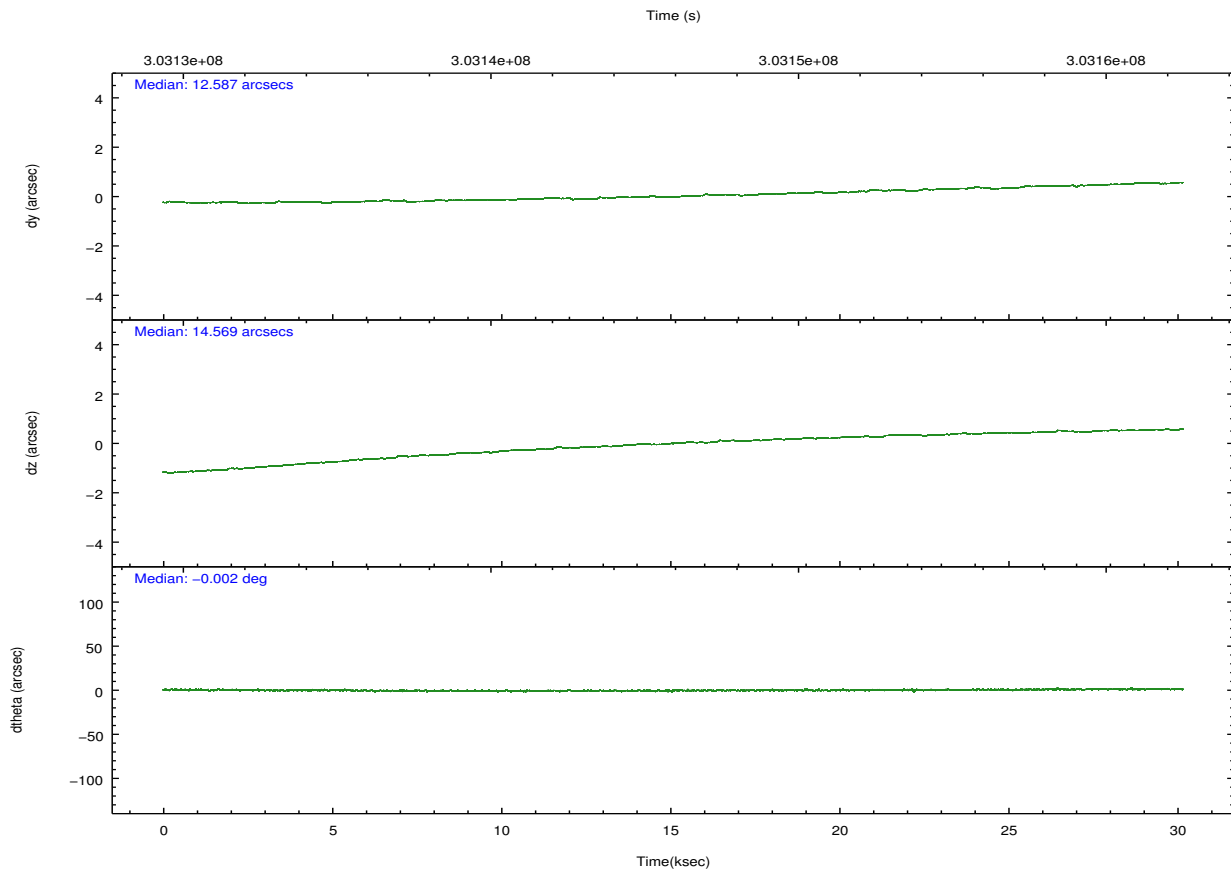
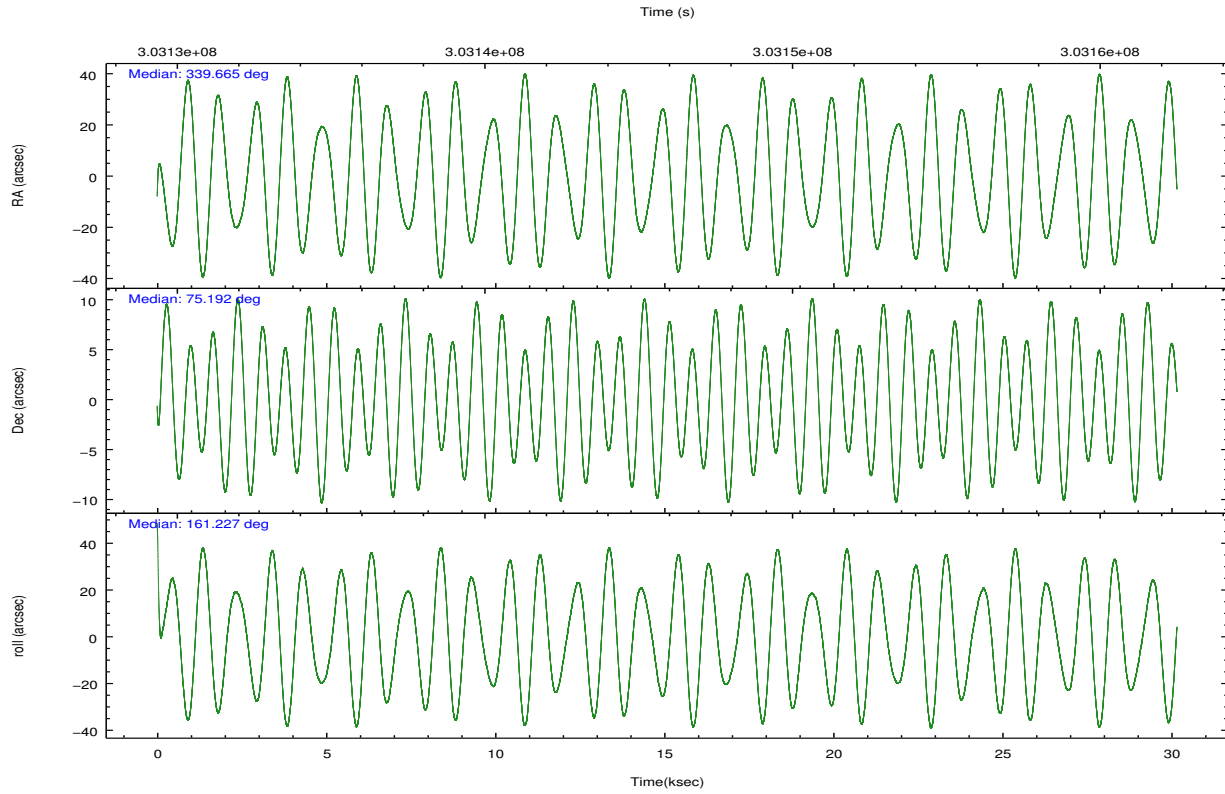
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	228537	229498	255388	236634	249874	268137	grade 0 events	8948	12170	8919	8295	8694	11383
rejected events	204244	199790	231276	213850	224723	144340		3%	5%	3%	3%	3%	4%
rejected %	89%	87%	90%	90%	89%	53%	grade 1 events	133	129	153	133	123	362
								0%	0%	0%	0%	0%	0%
							grade 2 events	5739	6221	5676	4903	5492	24846
								2%	2%	2%	2%	2%	9%
							grade 3 events	2668	3031	2602	2604	2701	11414
								1%	1%	1%	1%	1%	4%
							grade 4 events	2454	2894	2583	2508	2786	11354
								1%	1%	1%	1%	1%	4%
							grade 5 events	7986	8978	8064	9711	9625	27952
								3%	3%	3%	4%	3%	10%
							grade 6 events	4497	5400	4334	4481	5480	64824
								1%	2%	1%	1%	2%	24%
							grade 7 events	196112	190675	223057	203999	214973	116002
								85%	83%	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	339.769717	339.6642438651321	CCD I2 on	Y	Y
[deg] Pointing Dec	75.197310	75.19189128725868	CCD I3 on	Y	Y
[deg] Pointing Roll	160.928564	161.2392421166636	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)	303130993.184000	303129986.37984	CCD S5 on	N	N
Observation start date	2007-08-10T11:02:08	2007-08-10T10:46:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	303160993.184000	303161226.33134	On-chip summing requested	N	N
Observation end date	2007-08-10T19:22:08	2007-08-10T19:27:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



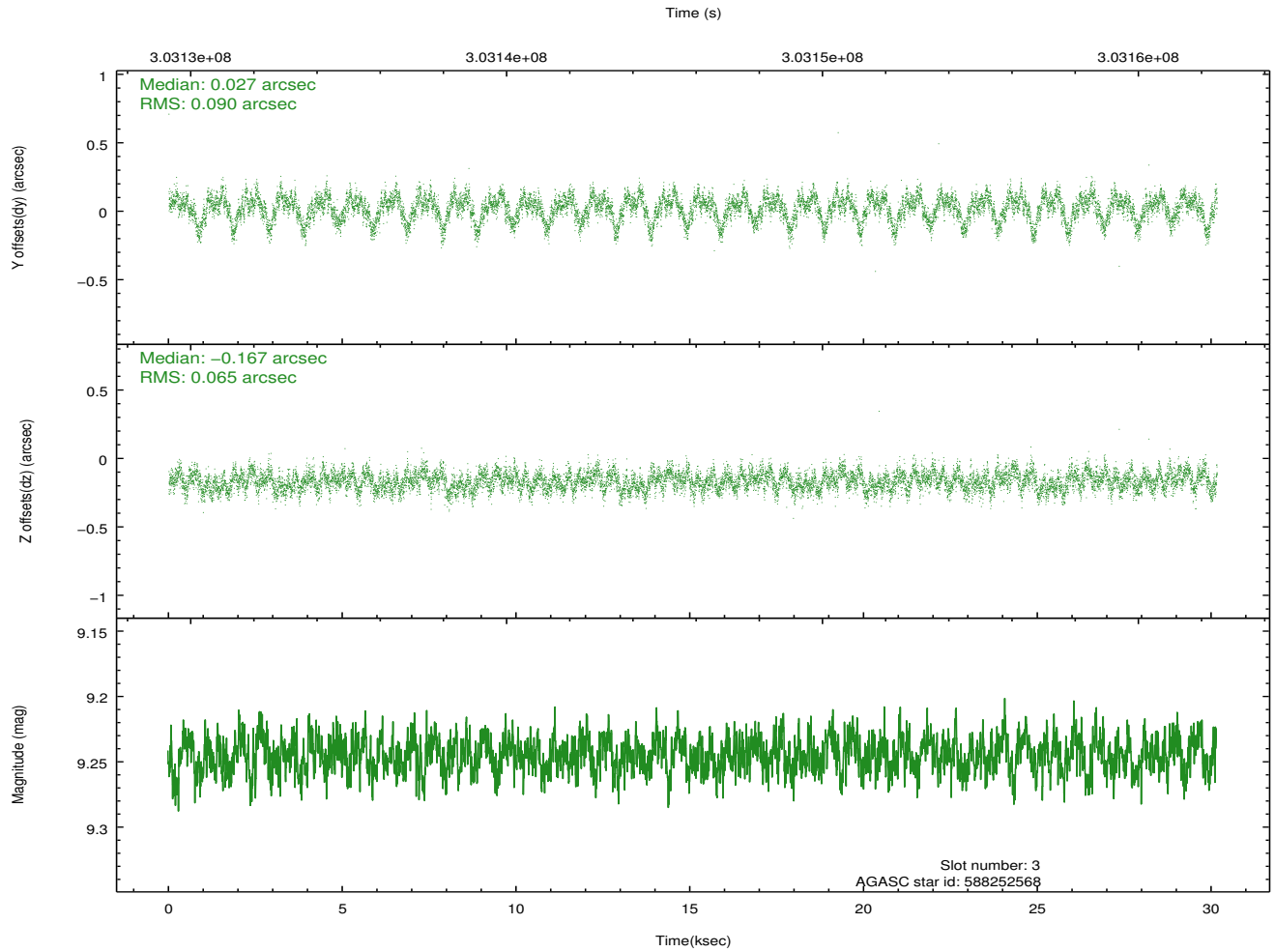
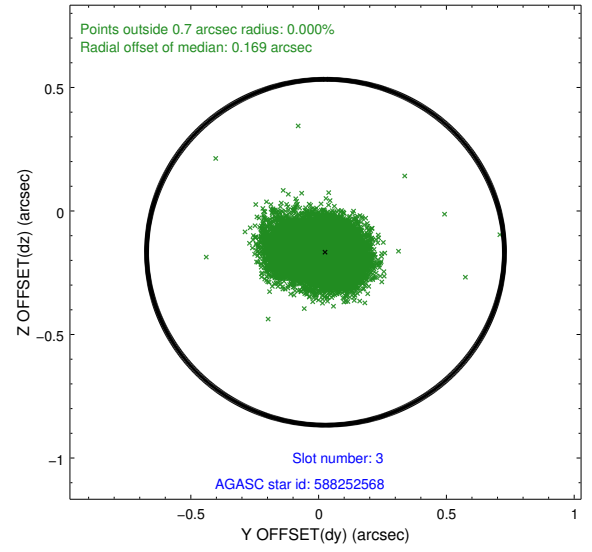
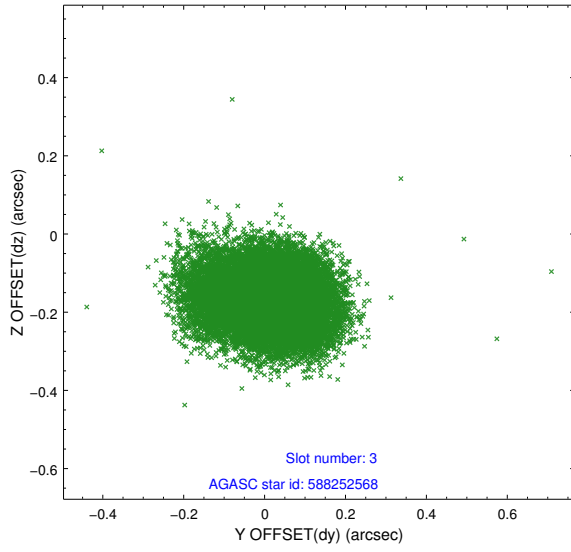


Slot Statistics

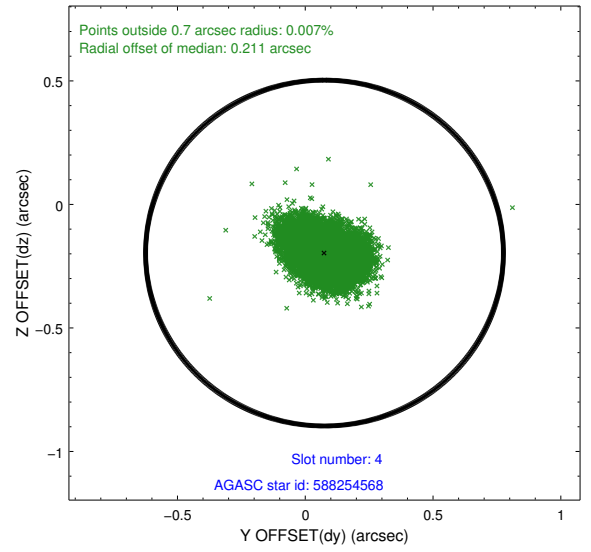
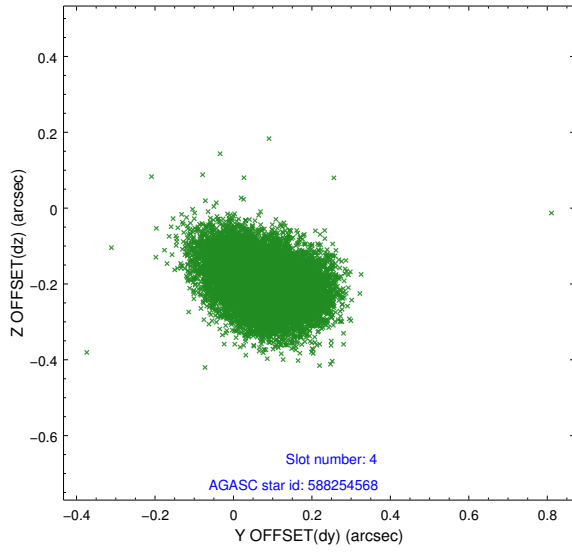
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	7356	0.031	-0.009	0.023	0.034	0.000000	0.000000	926.91	-838.05
1	FID	ACIS-I-5	7.22	7356	-0.207	0.037	0.011	0.019	0.000000	0.000000	-1821.41	1059.44
2	FID	ACIS-I-6	7.23	7357	0.084	0.045	0.021	0.031	0.000000	0.000000	392.42	1704.04
3	GUIDE	588252568	9.24	14703	0.027	-0.167	0.116	0.195	339.276658	74.729401	-108.05	1743.05
4	GUIDE	588254568	9.32	14691	0.075	-0.197	0.100	0.165	340.745977	74.459876	-1755.04	2193.97
5	GUIDE	602933784	8.57	14701	-0.091	0.035	0.072	0.115	339.845390	75.657631	478.08	-1587.70
6	GUIDE	602951136	9.44	14698	0.030	0.210	0.127	0.197	339.666455	75.238867	138.77	-109.84
7	GUIDE	603088912	7.77	14710	-0.029	0.116	0.051	0.082	340.542840	75.436402	-378.30	-1046.12

2.4 Star Slots

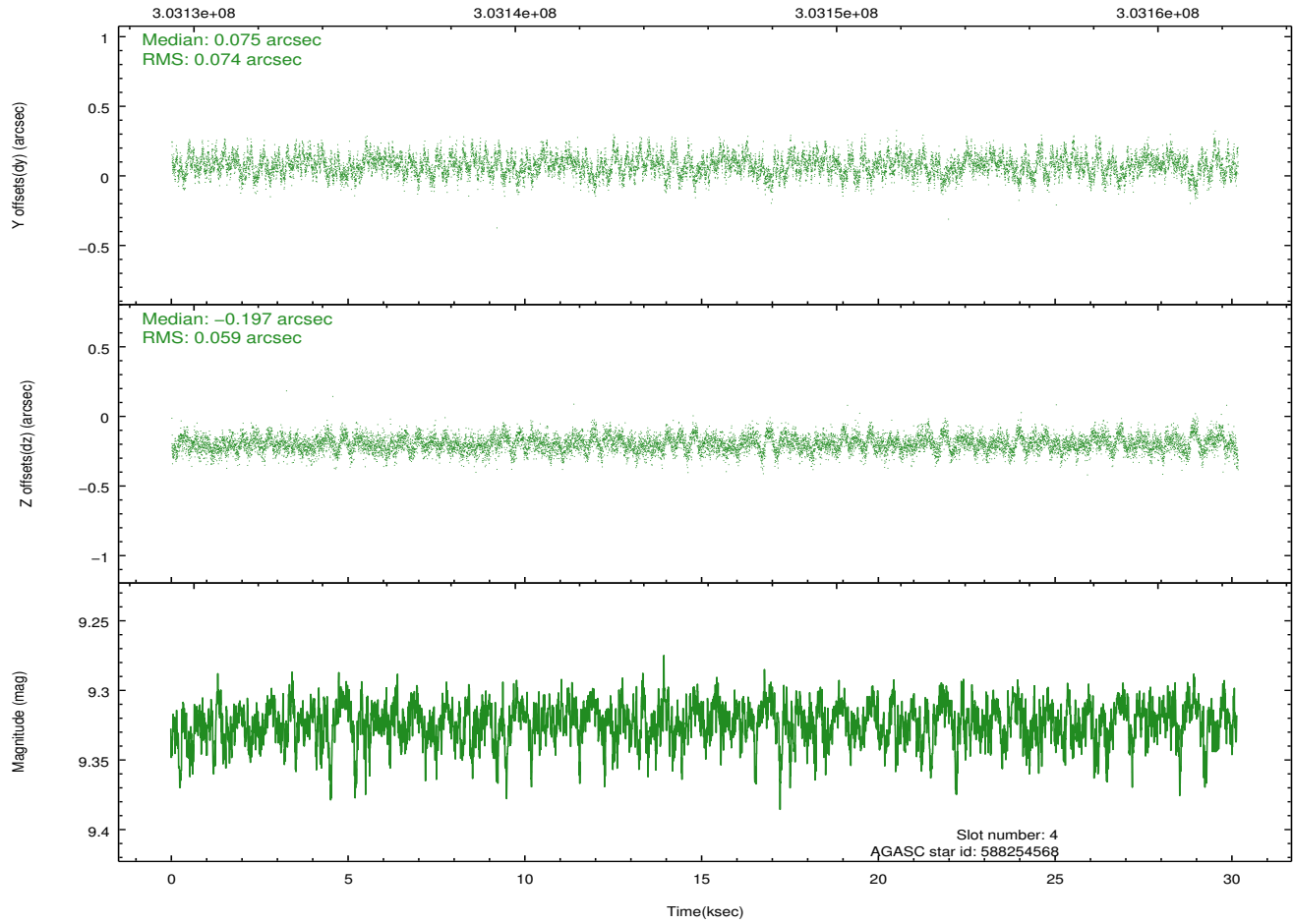
2.4.1 Slot 3



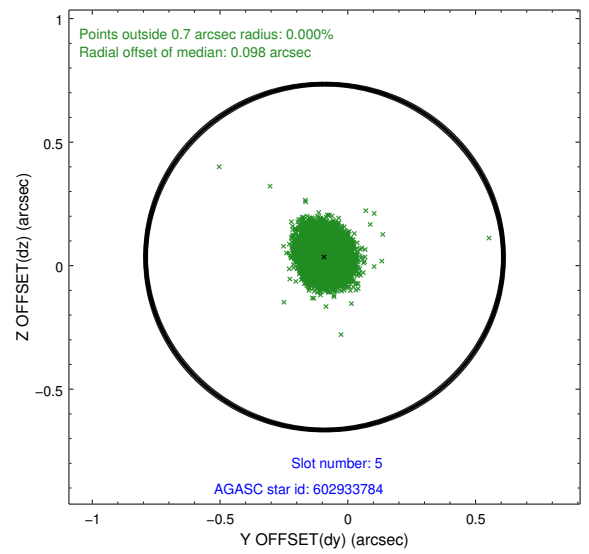
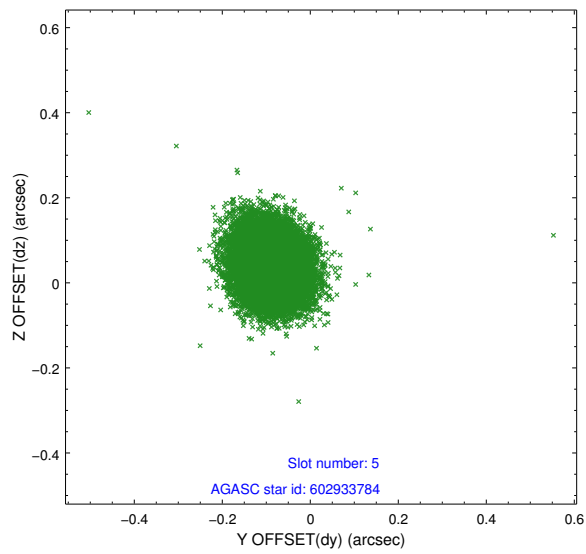
2.4.2 Slot 4



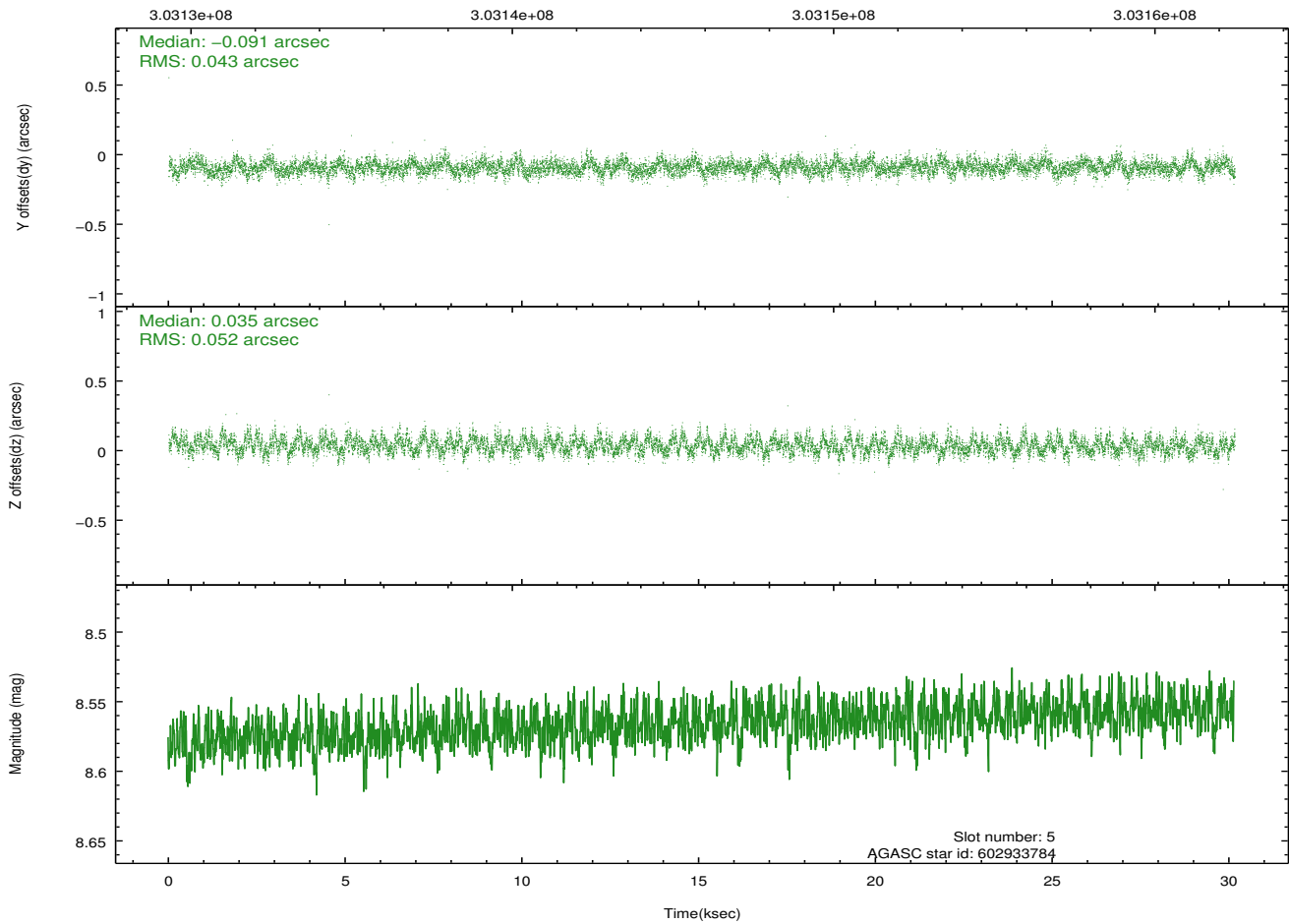
Time (s)



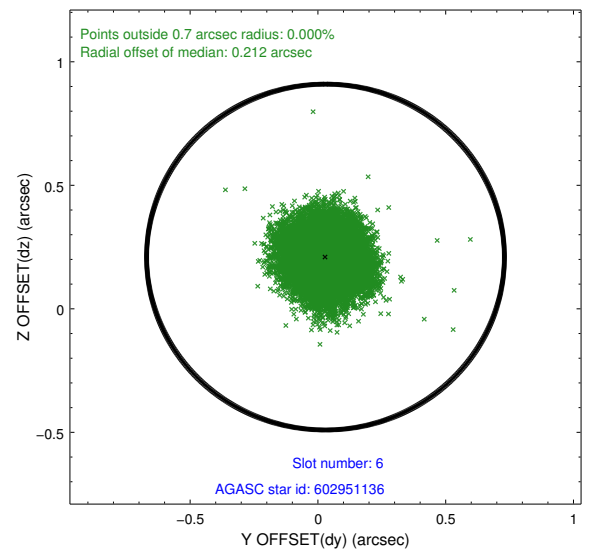
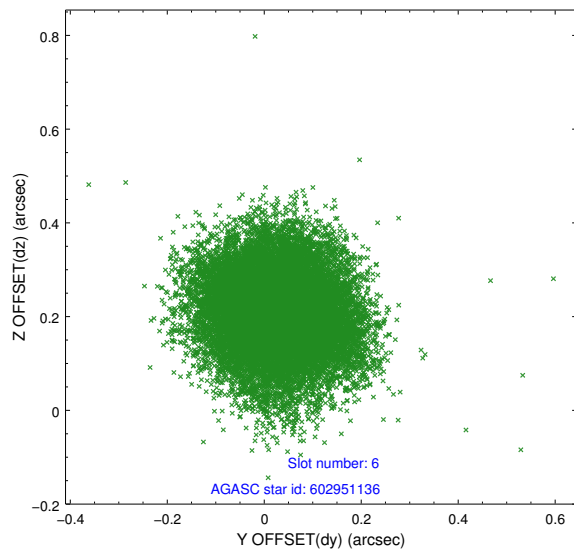
2.4.3 Slot 5



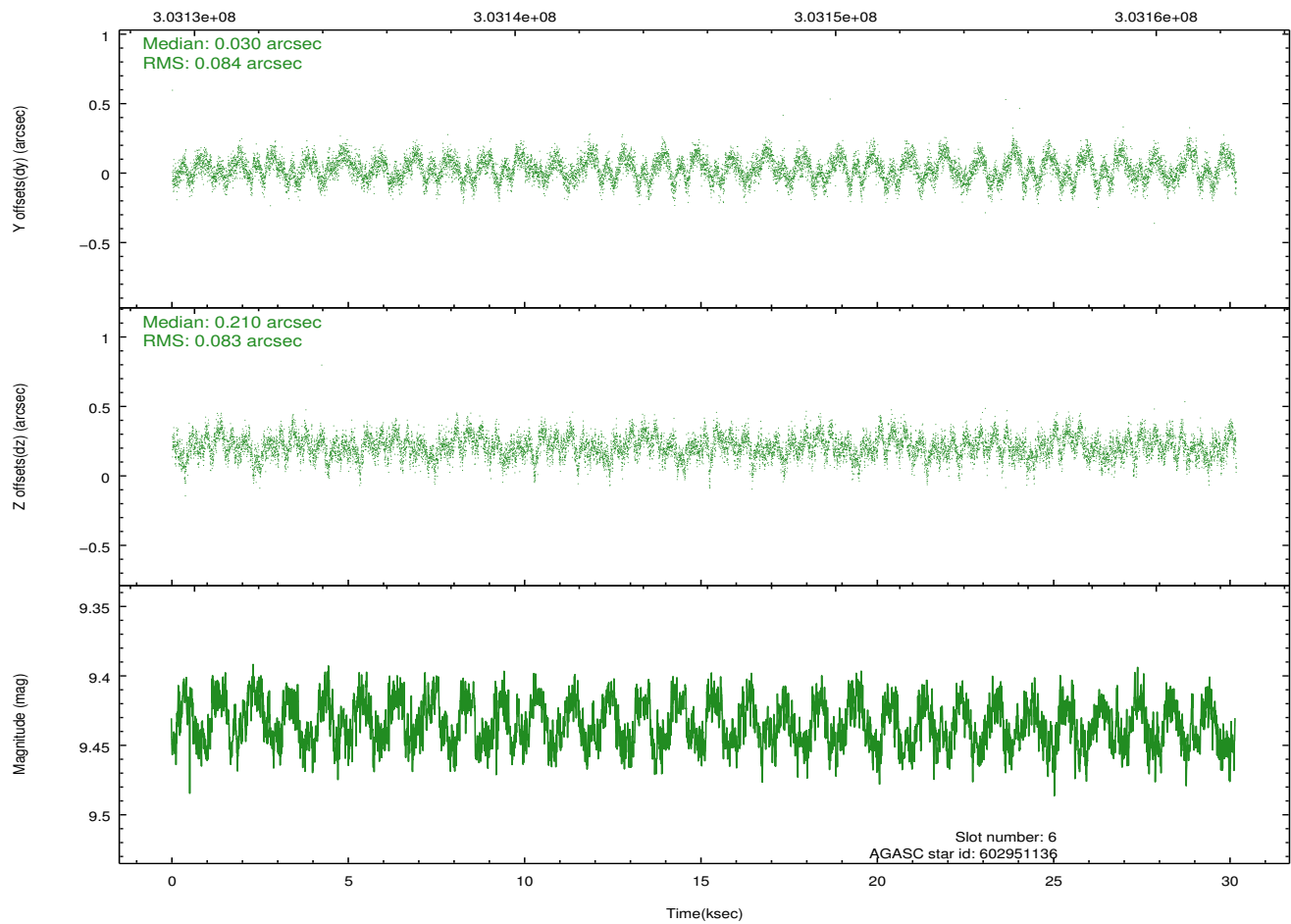
Time (s)



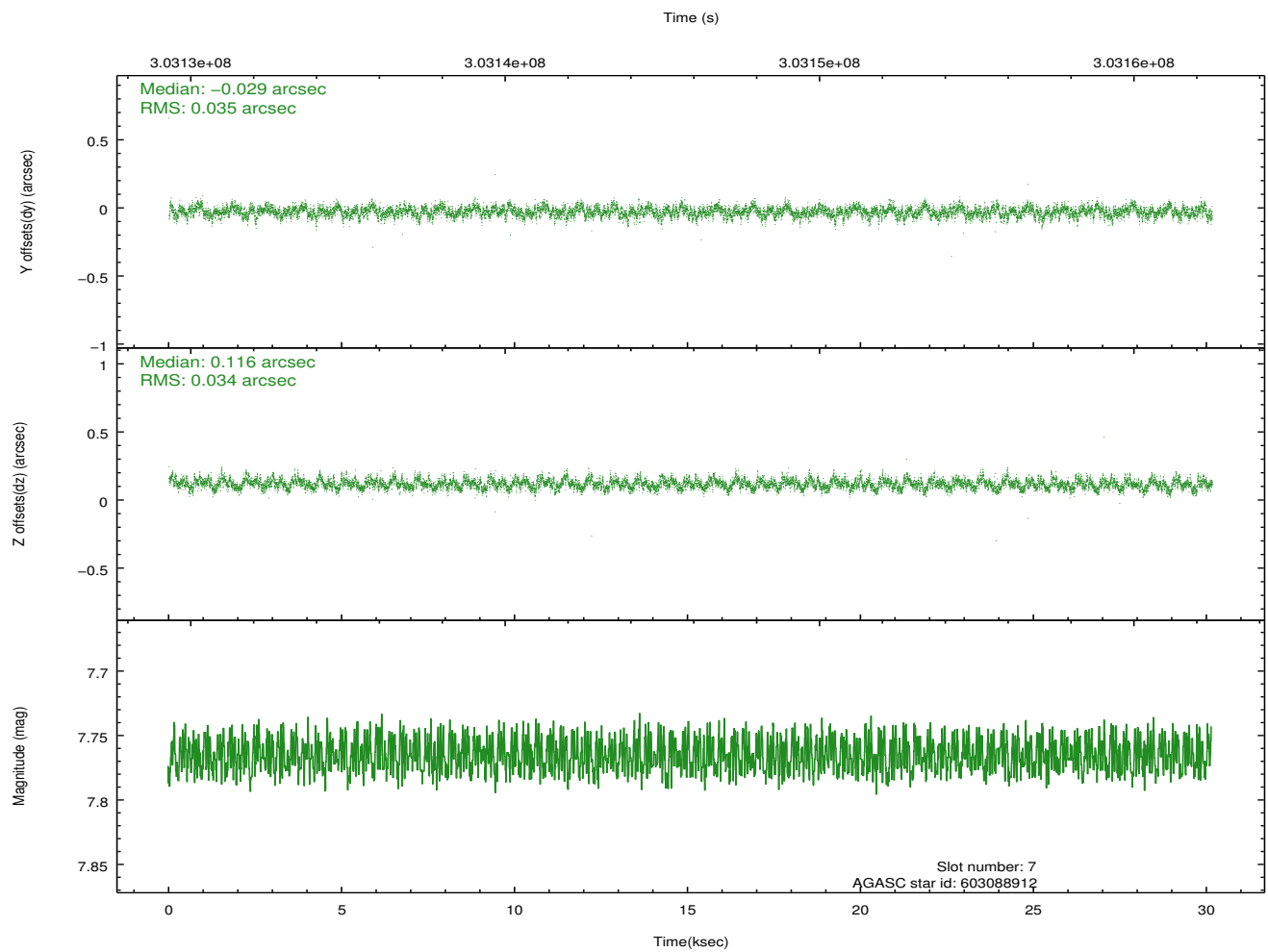
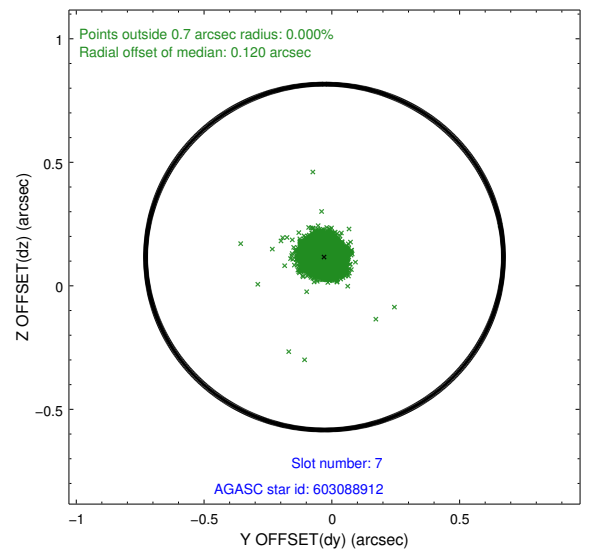
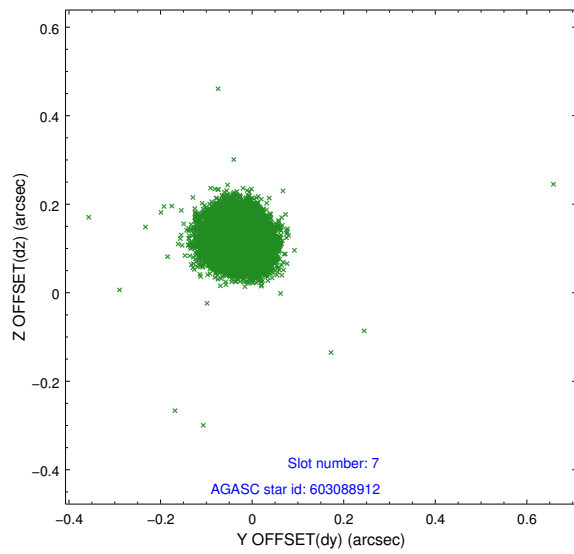
2.4.4 Slot 6



Time (s)

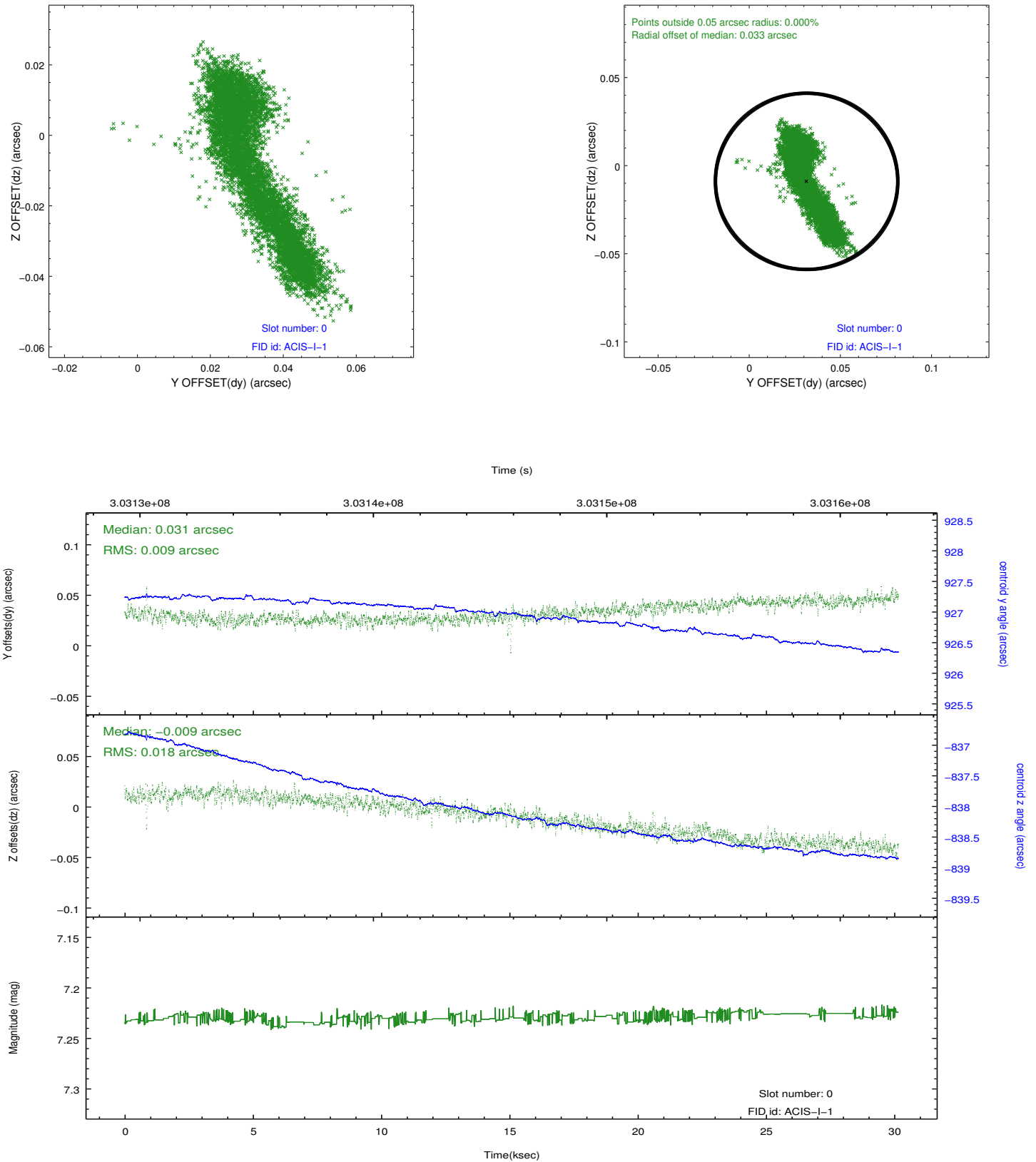


2.4.5 Slot 7

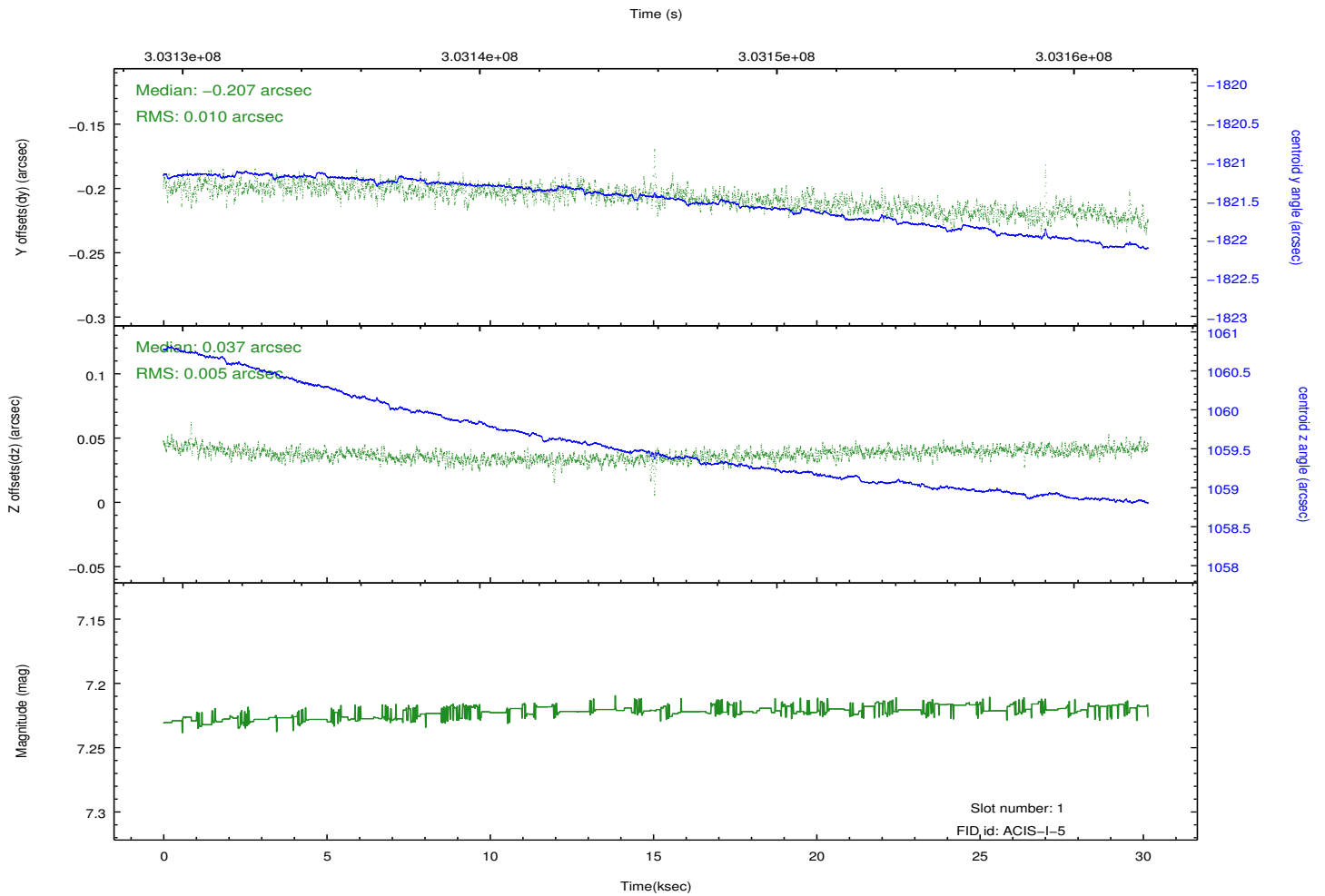
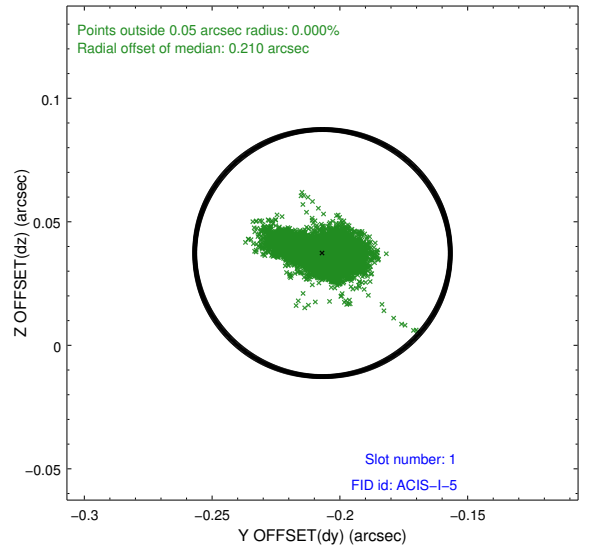
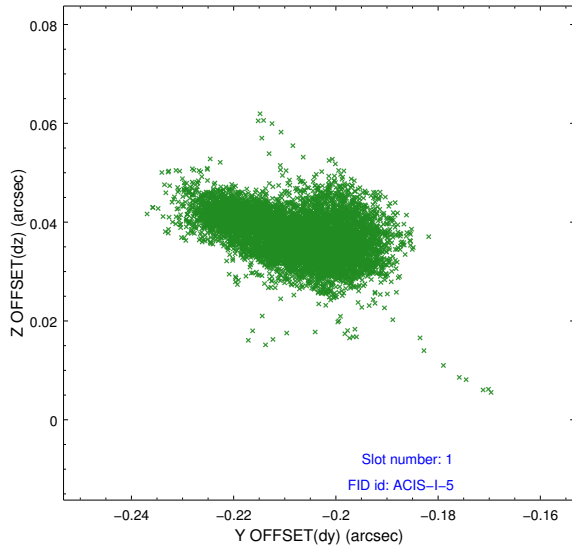


2.5 FID Slots

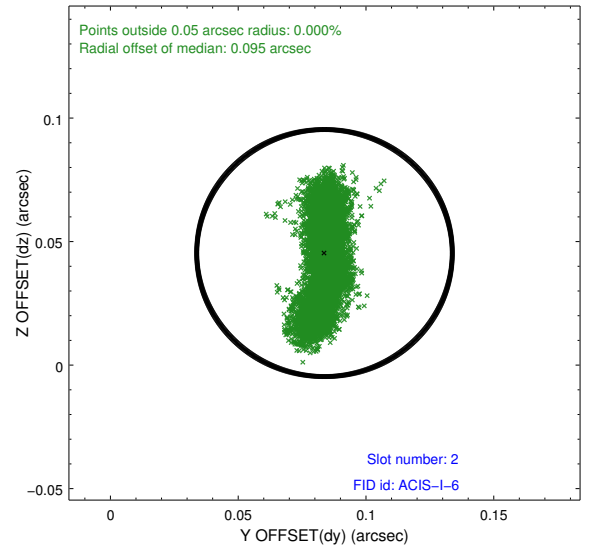
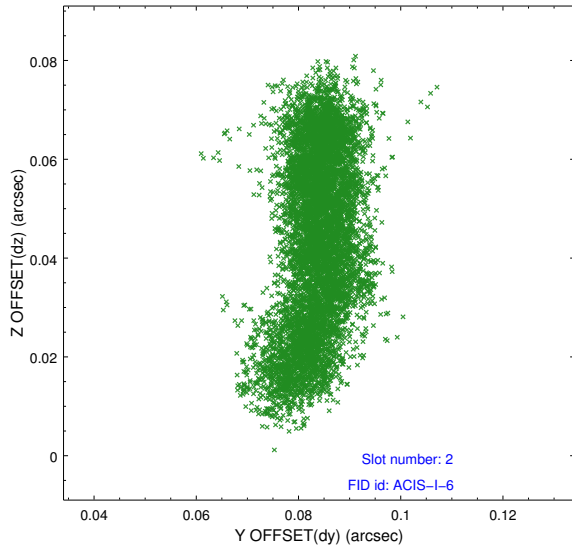
2.5.1 Slot 0



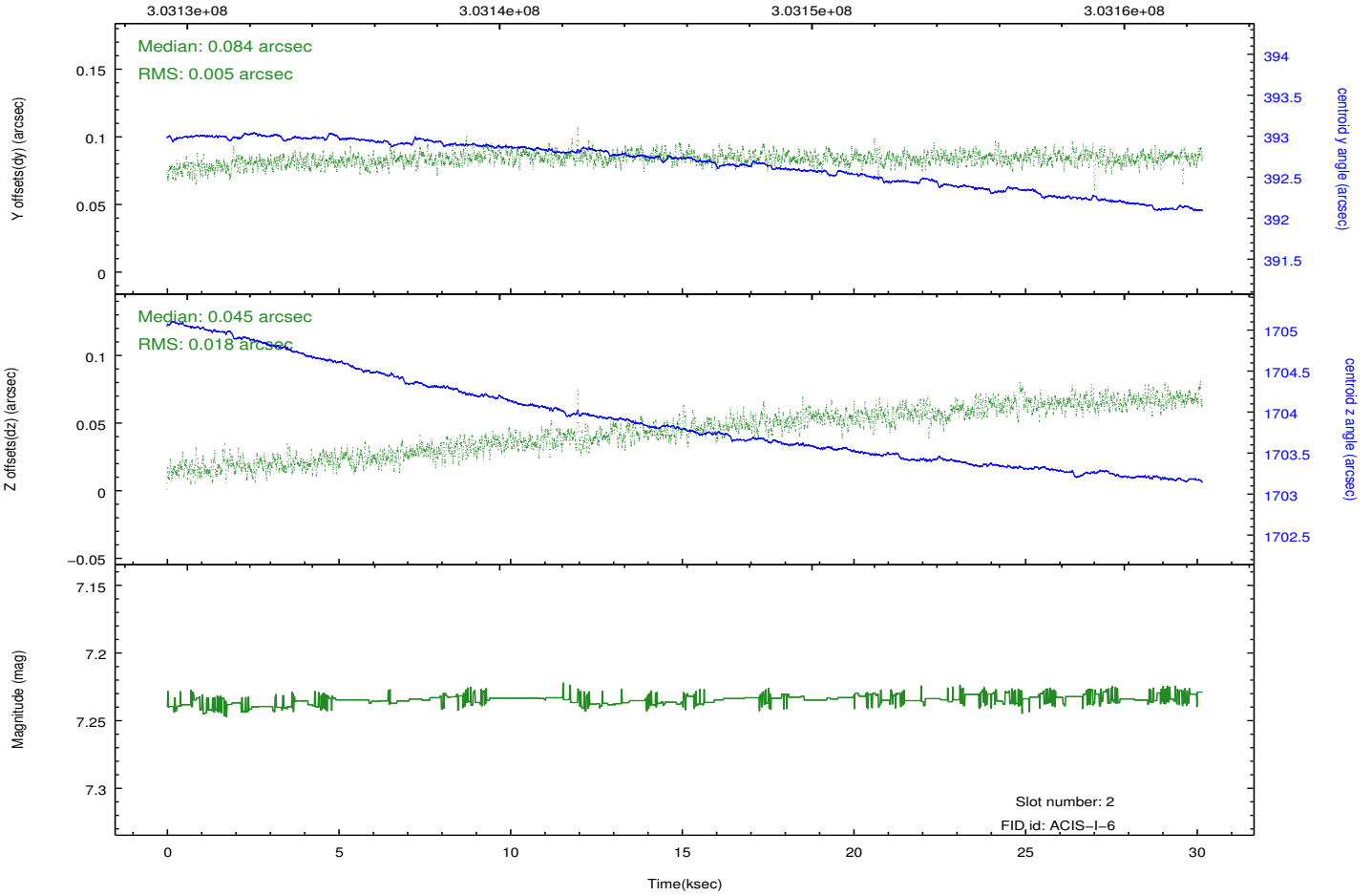
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.0318769

A.2 Comments