

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11232 - L2 Version 2
Chandra X-Ray Center

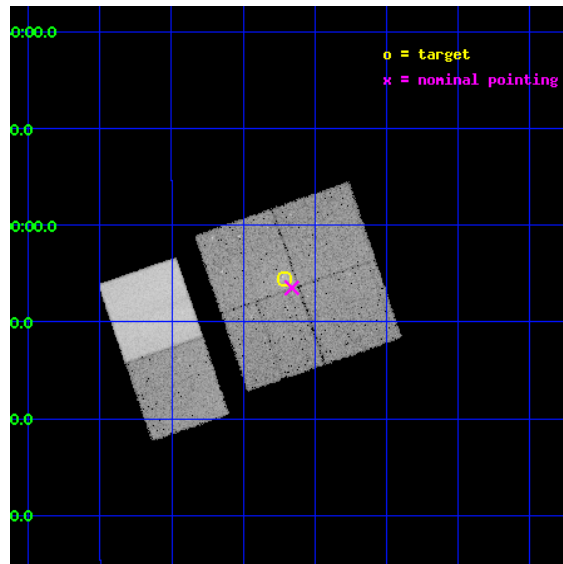
L2 Processing Date : Jun 11 2012

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

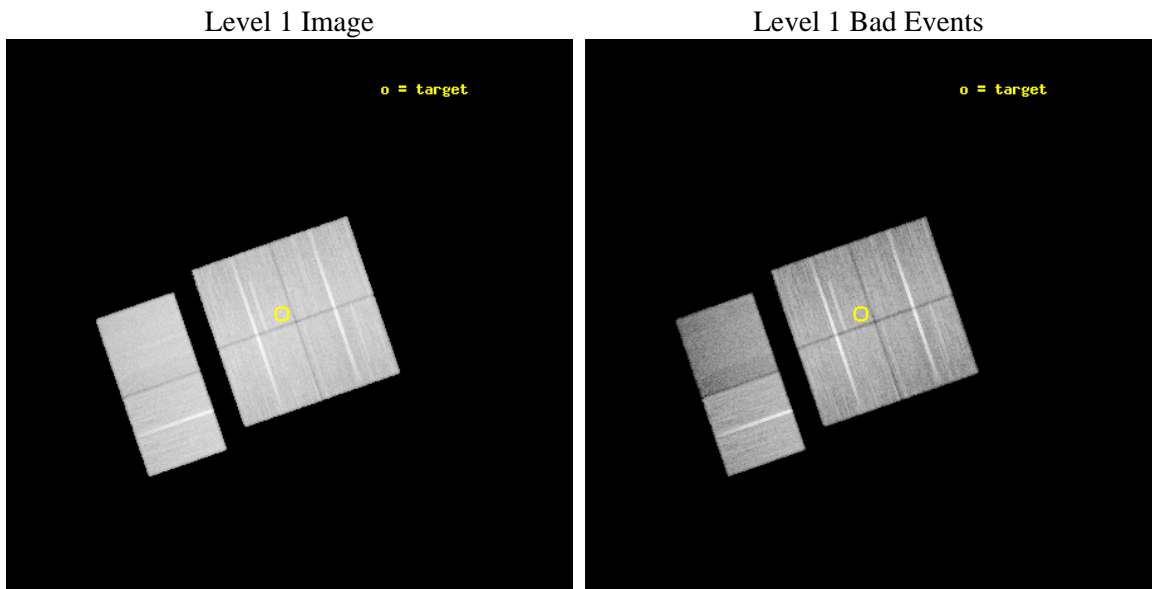
seq_num	501317	Sequence number
obs_id	11232	Observation id
title	Investigating the nature of the candidate SNR G29.37+0.10	Proposal
observer	Dr Regis Terrier	Principal investigator
object	G29.37+0.10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.177083	Observer's specified target RA [deg]
dec_targ	-3.093333	Observer's specified target Dec [deg]
ra_nom	281.16488304183	Nominal RA [deg]
dec_nom	-3.1078188367575	Nominal Dec [deg]
roll_nom	250.96894663183	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29892.896524489	Sum of GTIs [s]
livetime	29514.374669355	Livetime [s]
ontime0	29896.014444828	Sum of GTIs [s]
ontime1	29889.573404193	Sum of GTIs [s]
ontime2	29892.855494559	Sum of GTIs [s]
ontime3	29892.896524489	Sum of GTIs [s]
ontime6	29899.460675061	Sum of GTIs [s]
ontime7	29899.419635057	Sum of GTIs [s]
l2events	220053	Number of level 2 events



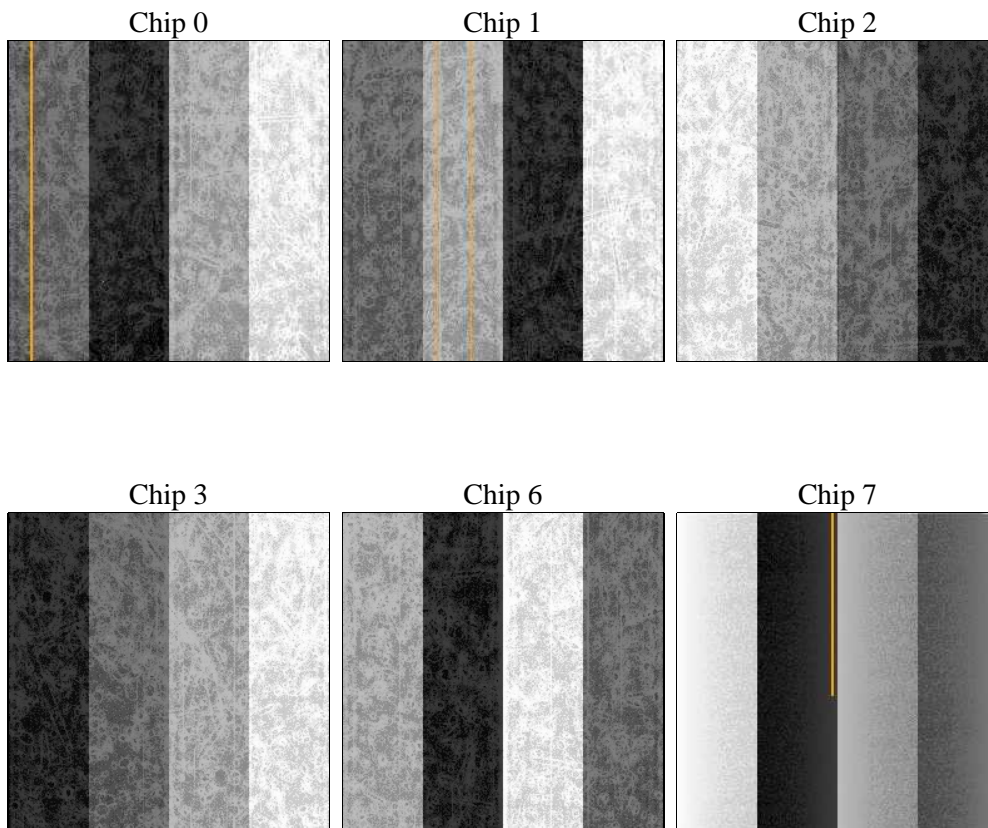
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30146.282000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29892.896524489	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	29896.014444828	Sum of GTIs [s]
date	2012-06-11T16:04:37	Date and time of file creation	ontime1	29889.573404193	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	29892.855494559	Sum of GTIs [s]
			ontime3	29892.896524489	Sum of GTIs [s]
			ontime6	29899.460675061	Sum of GTIs [s]
			ontime7	29899.419635057	Sum of GTIs [s]
			l1events	1468023	Number of level 1 events

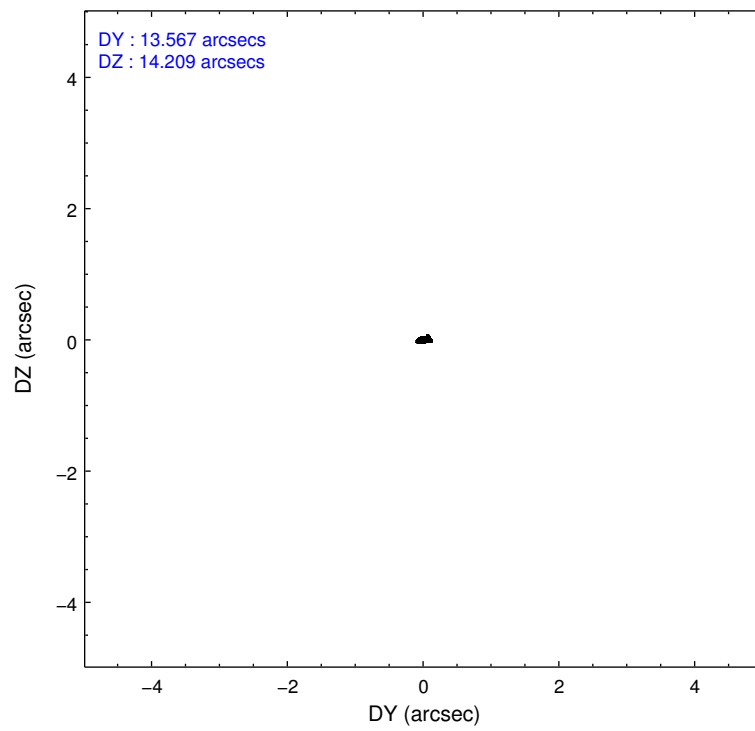
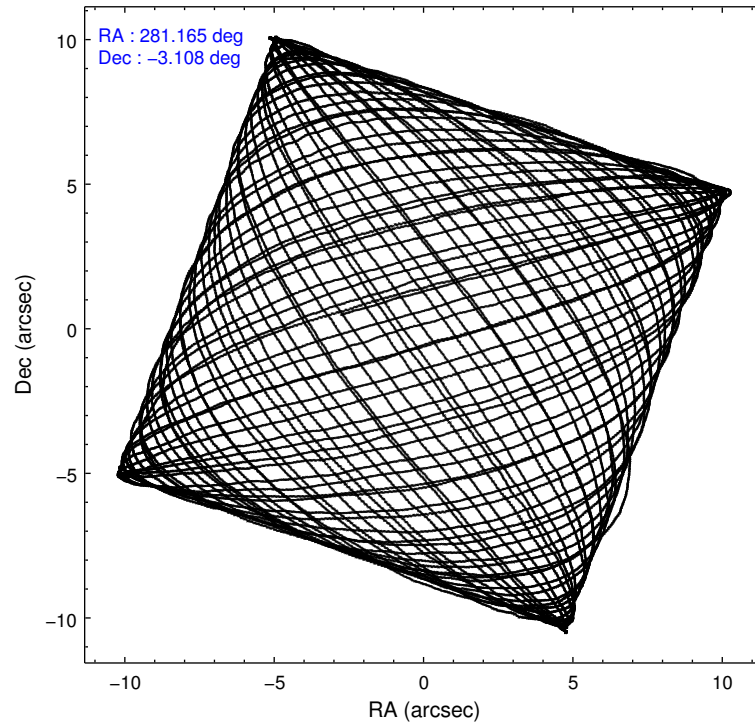
2.1.4 Events

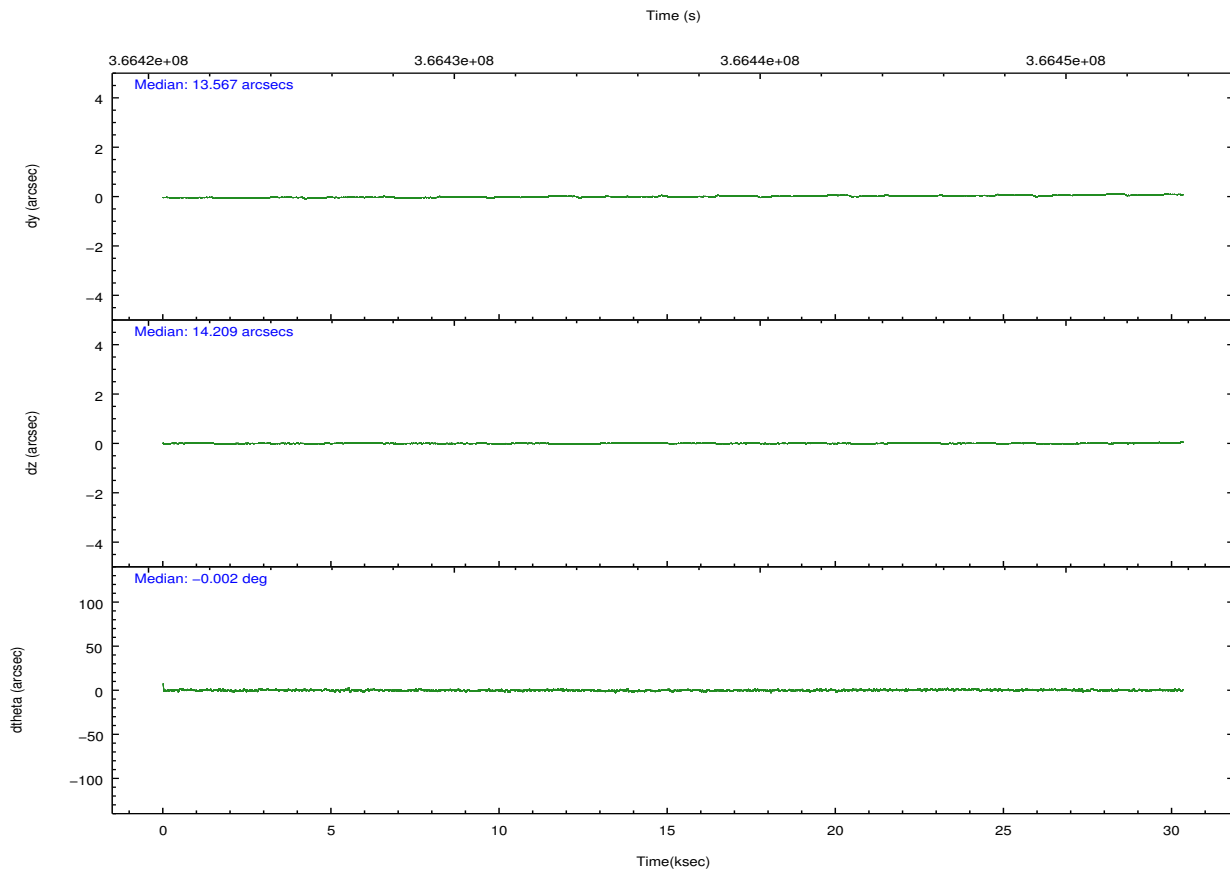
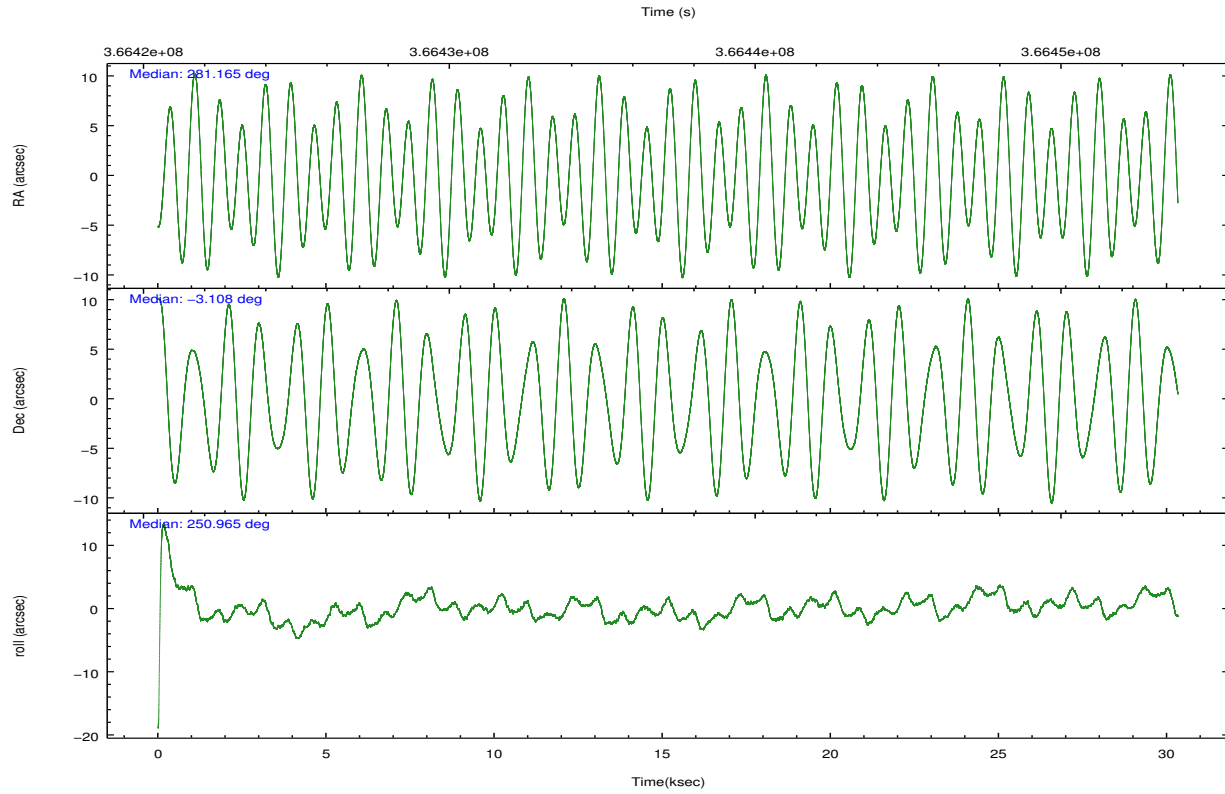
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	229058	229560	263722	245812	261752	238119	grade 0 events	9797	9638	10165	10946	9916	11412
rejected events	203437	203179	238800	219629	235114	122698		4%	4%	3%	4%	3%	4%
rejected %	88%	88%	90%	89%	89%	51%	grade 1 events	130	127	158	173	150	367
								0%	0%	0%	0%	0%	0%
							grade 2 events	5977	5727	5717	5293	6002	24323
								2%	2%	2%	2%	2%	10%
							grade 3 events	2788	2859	2536	2689	2695	10538
								1%	1%	0%	1%	1%	4%
							grade 4 events	2514	2756	2460	2664	2684	10275
								1%	1%	0%	1%	1%	4%
							grade 5 events	7444	8170	6533	8573	8786	24737
								3%	3%	2%	3%	3%	10%
							grade 6 events	4548	5409	4050	4597	5344	58900
								1%	2%	1%	1%	2%	24%
							grade 7 events	195860	194874	232103	210877	226175	97567
								85%	84%	88%	85%	86%	40%

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	281.159522	281.1648830418281	CCD I2 on	Y	Y
[deg] Pointing Dec	-3.080853	-3.107818836757541	CCD I3 on	Y	Y
[deg] Pointing Roll	250.759969	250.968946631828	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	366422177.184000	366421626.73174	CCD S5 on	N	N
Observation start date	2009-08-11T23:55:11	2009-08-11T23:47:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	366452323.184000	366452557.64579	On-chip summing requested	N	N
Observation end date	2009-08-12T08:17:37	2009-08-12T08:22:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



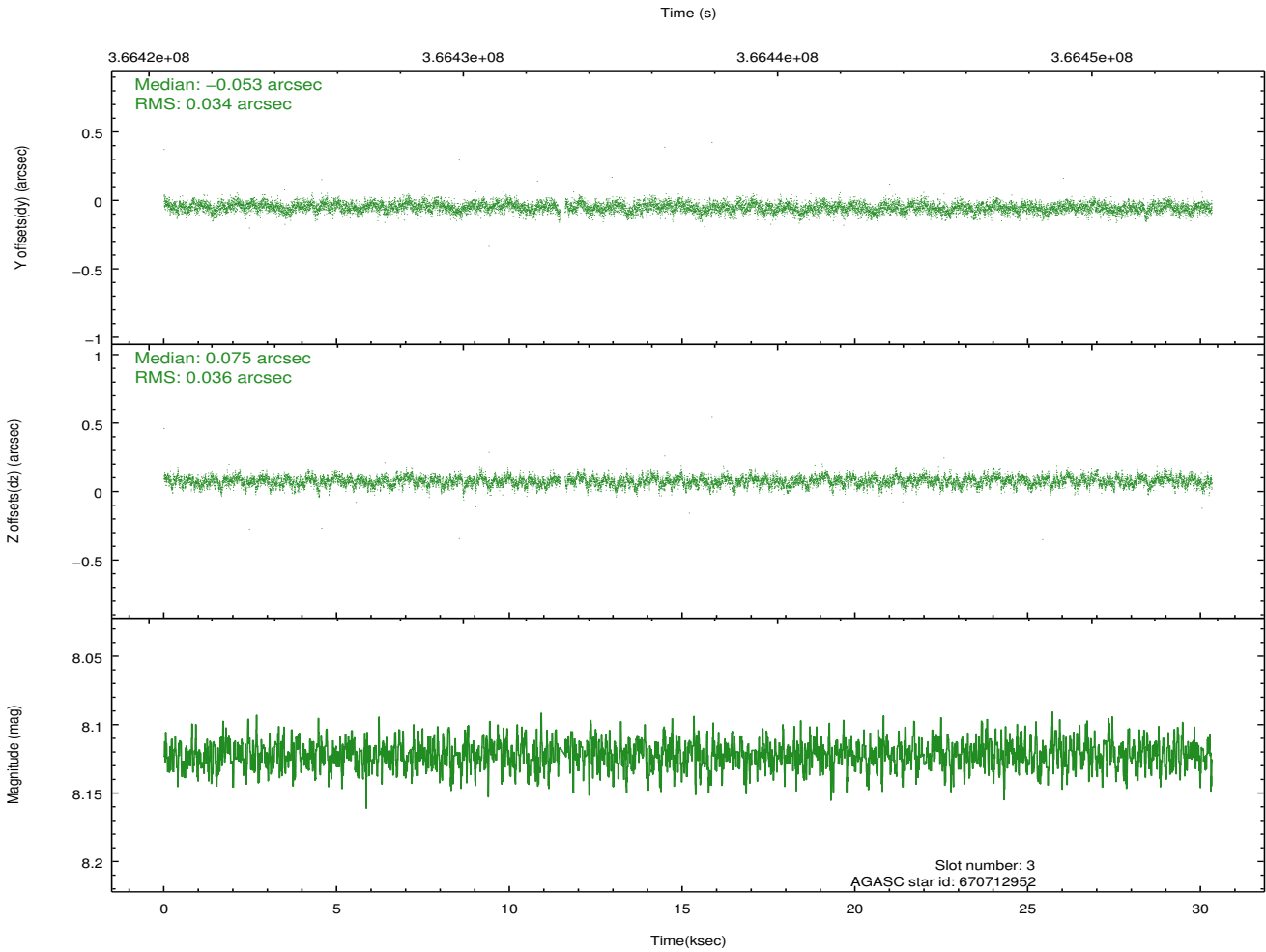
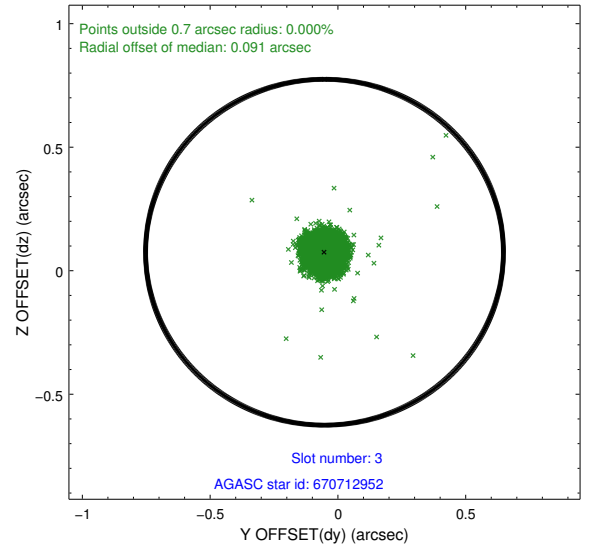
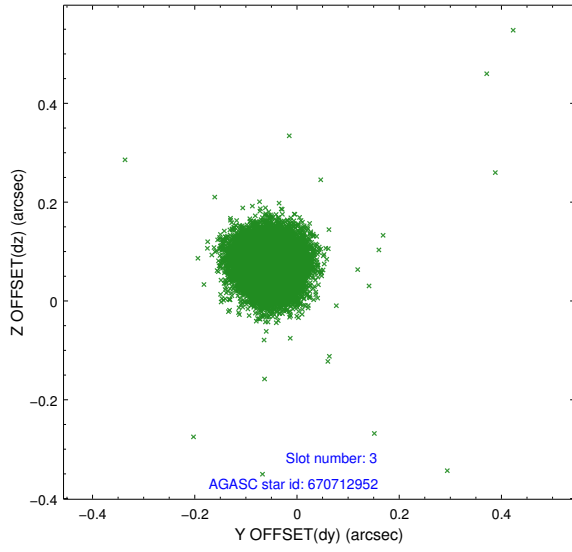


Slot Statistics

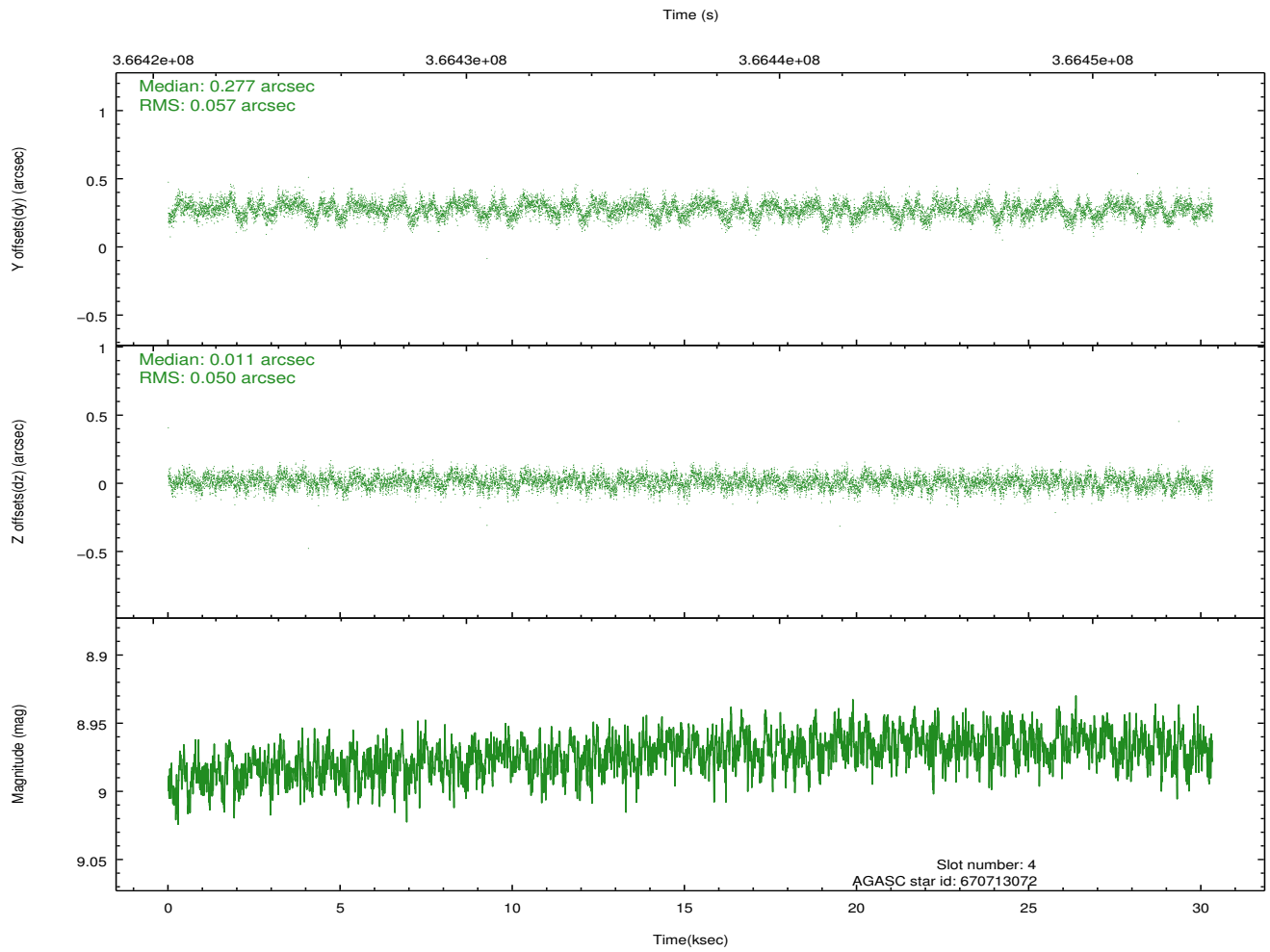
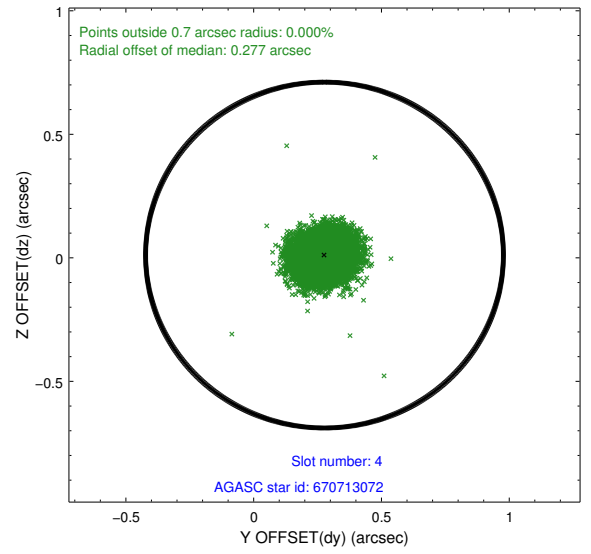
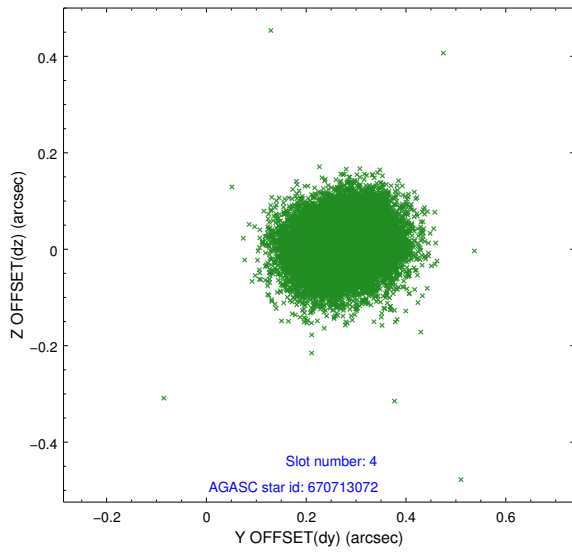
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.04	7395	-0.091	-0.074	0.016	0.041	0.000000	0.000000	-768.33	-844.22
1	FID	ACIS-I-4	7.06	7397	0.230	0.076	0.015	0.026	0.000000	0.000000	2146.01	1062.07
2	FID	ACIS-I-5	7.13	7397	-0.240	0.066	0.015	0.026	0.000000	0.000000	-1822.22	1059.97
3	GUIDE	670712952	8.12	14717	-0.053	0.075	0.051	0.082	280.865229	-3.531475	1880.70	-463.46
4	GUIDE	670713072	8.97	14779	0.277	0.011	0.081	0.128	281.205407	-3.604132	1725.08	776.65
5	GUIDE	670713328	7.55	14795	-0.082	-0.011	0.058	0.088	280.824681	-3.187771	760.52	-1009.39
6	GUIDE	670829704	8.63	14788	-0.066	-0.114	0.059	0.096	281.322555	-2.956964	-613.79	406.35
7	GUIDE	670830264	8.74	14785	-0.075	0.042	0.073	0.119	281.361536	-3.231556	273.31	864.56

2.4 Star Slots

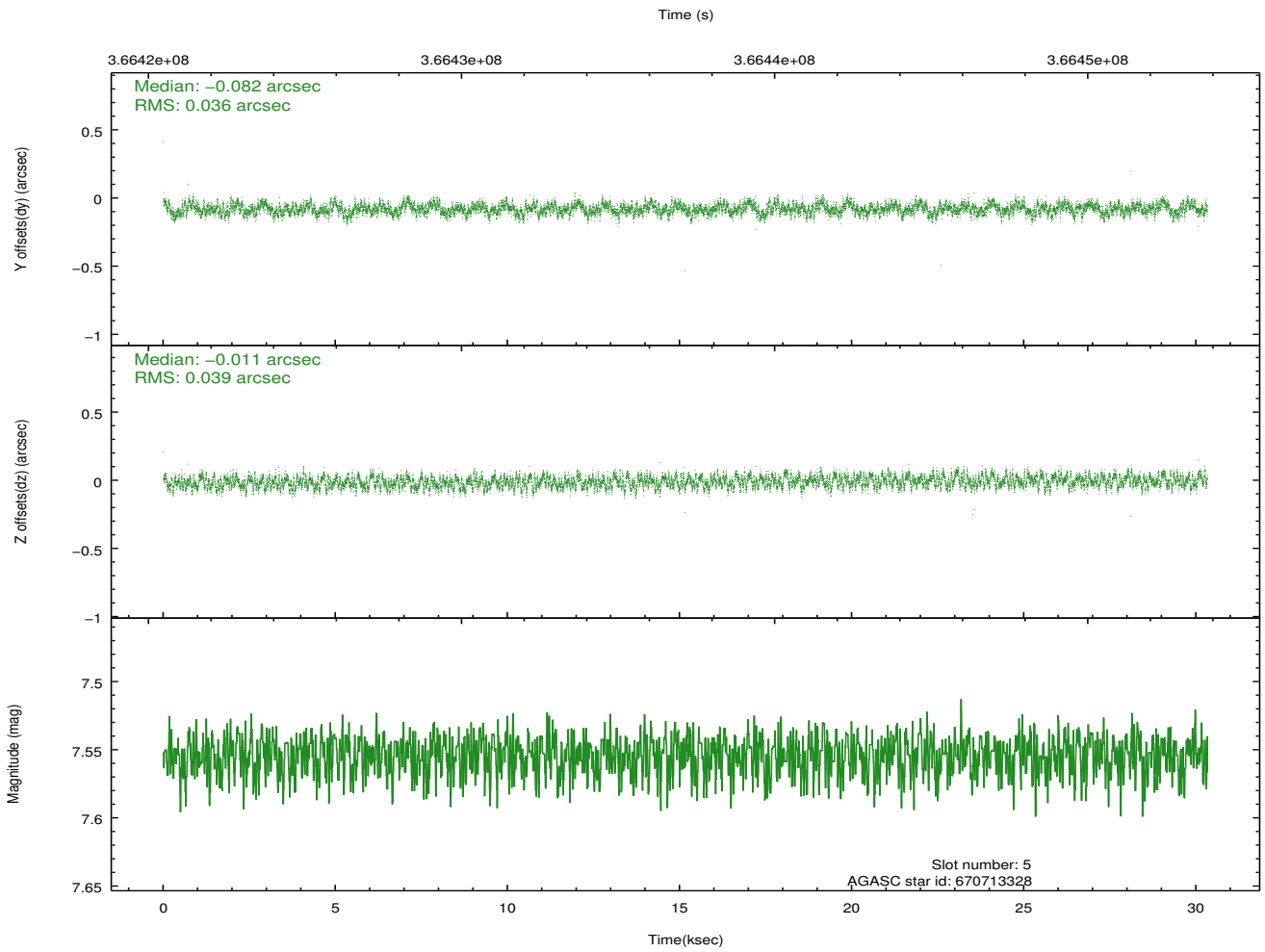
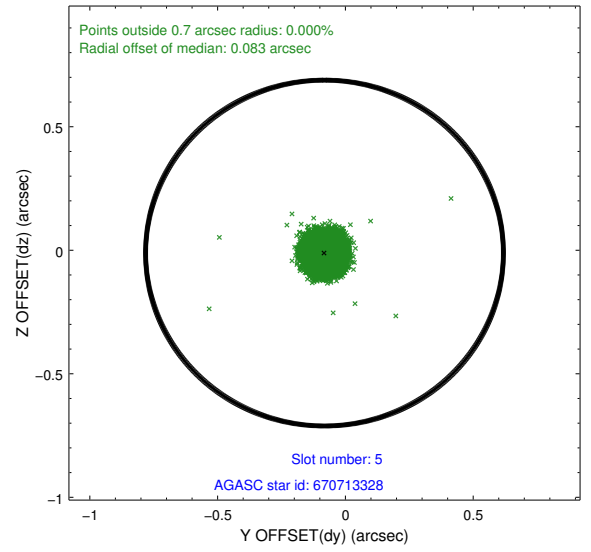
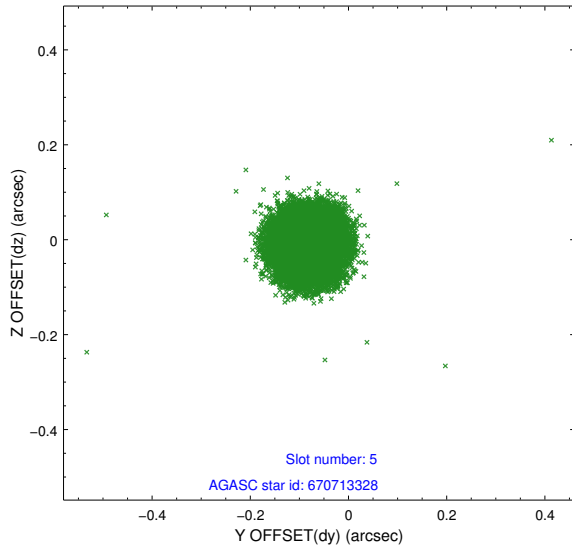
2.4.1 Slot 3



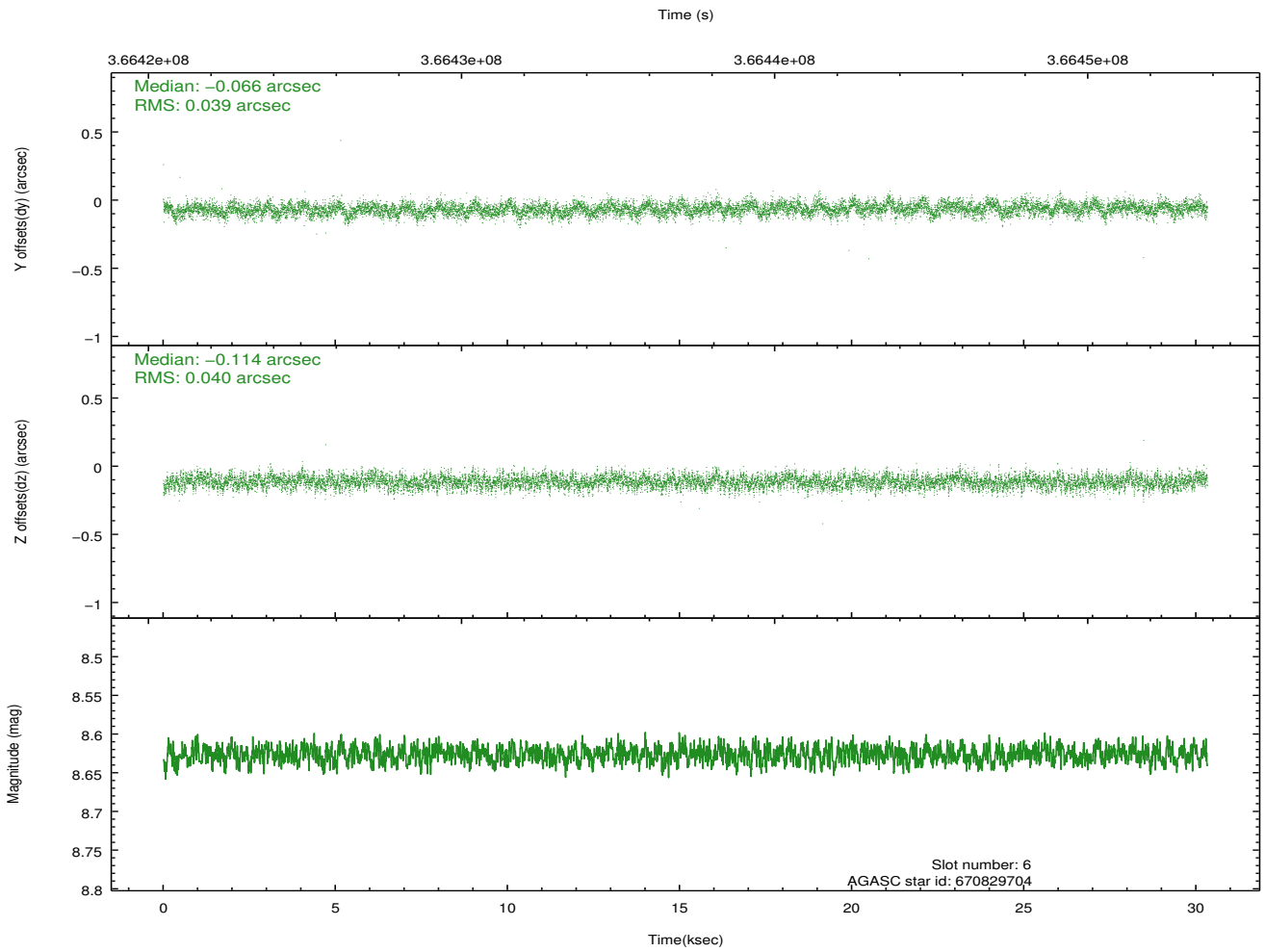
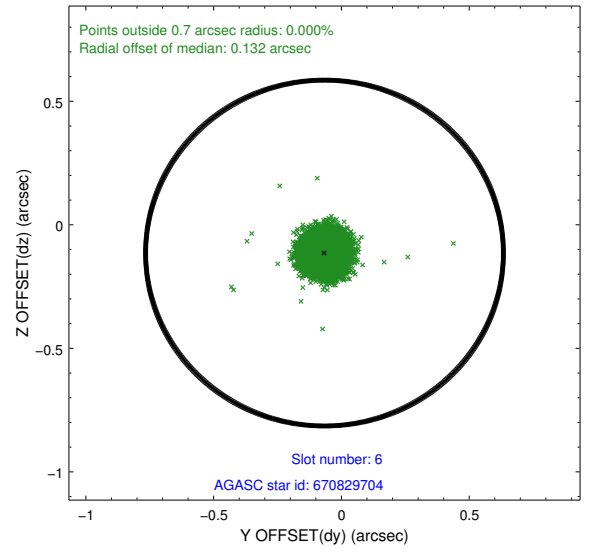
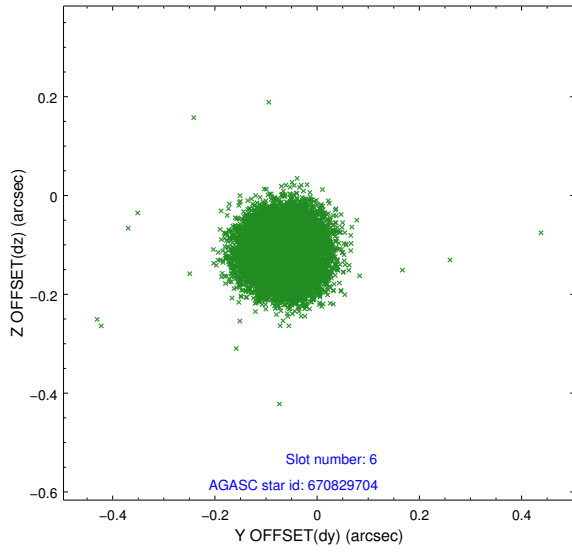
2.4.2 Slot 4



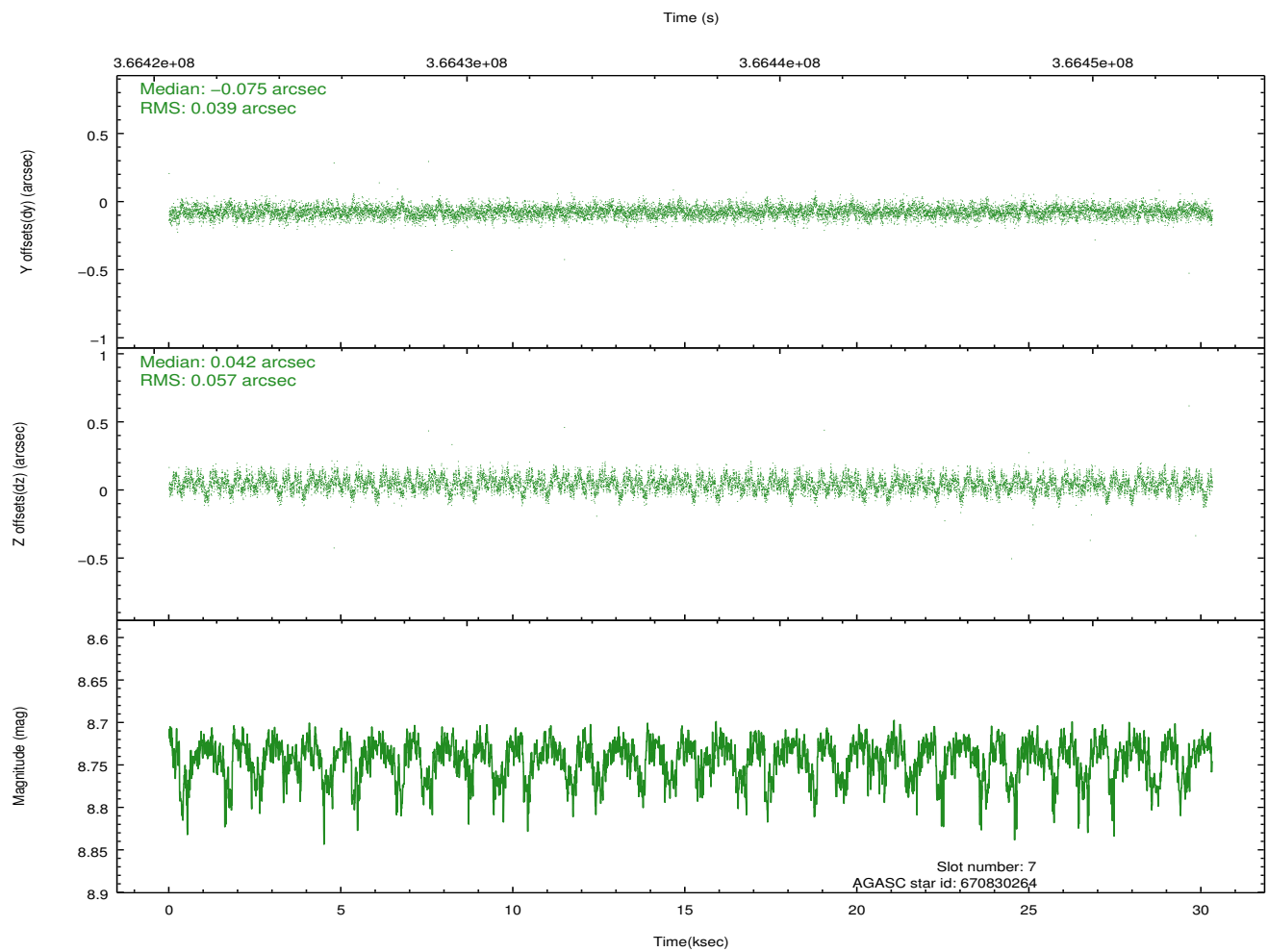
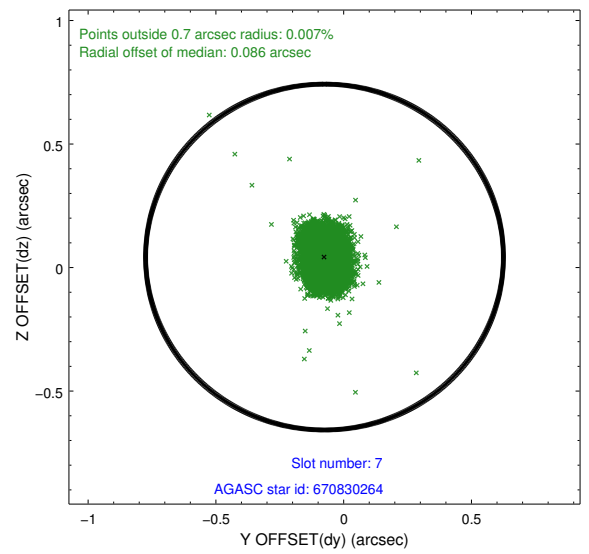
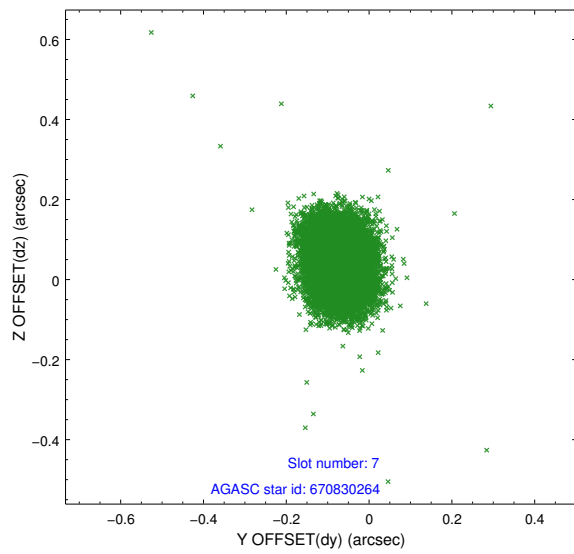
2.4.3 Slot 5



2.4.4 Slot 6

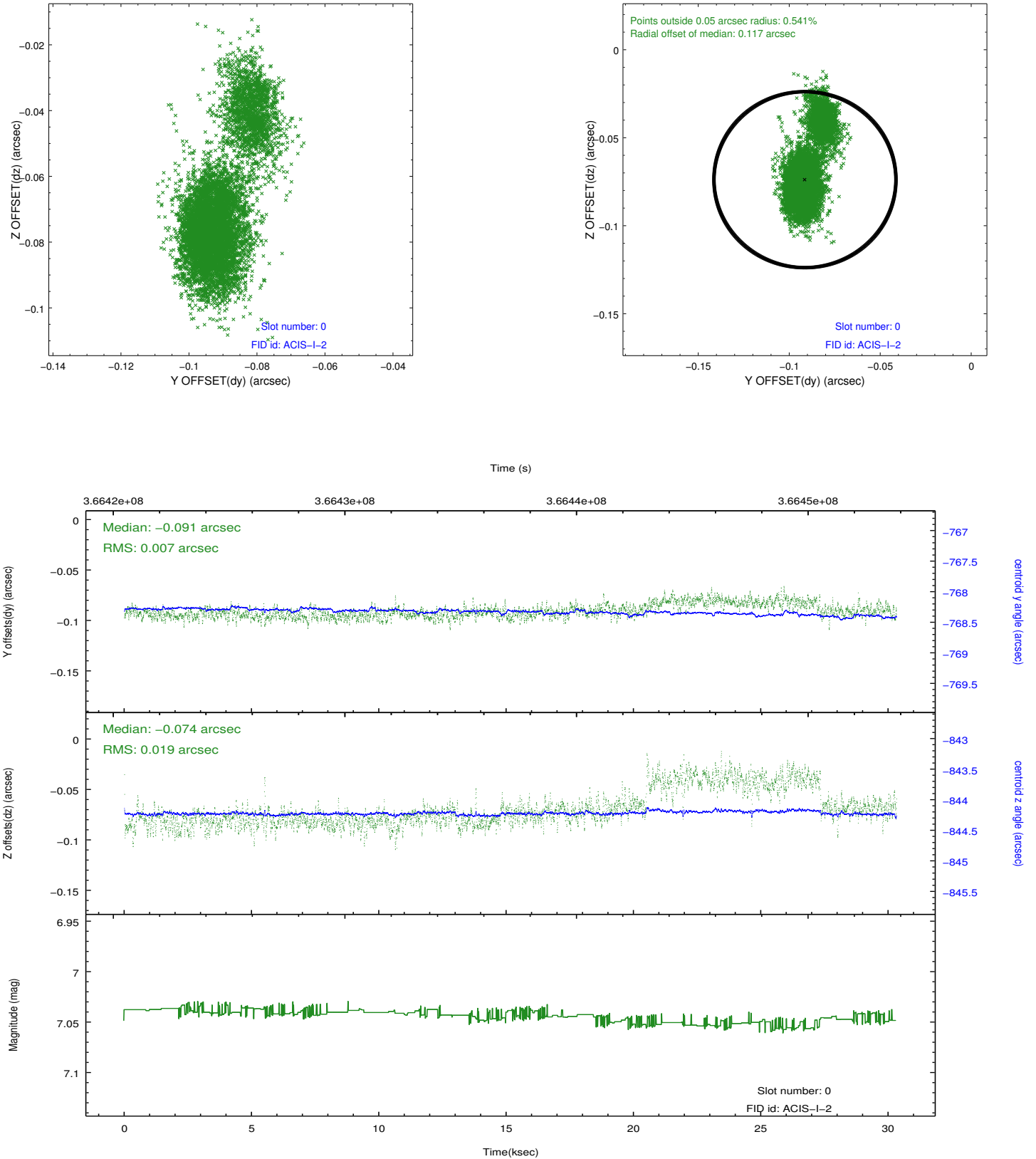


2.4.5 Slot 7

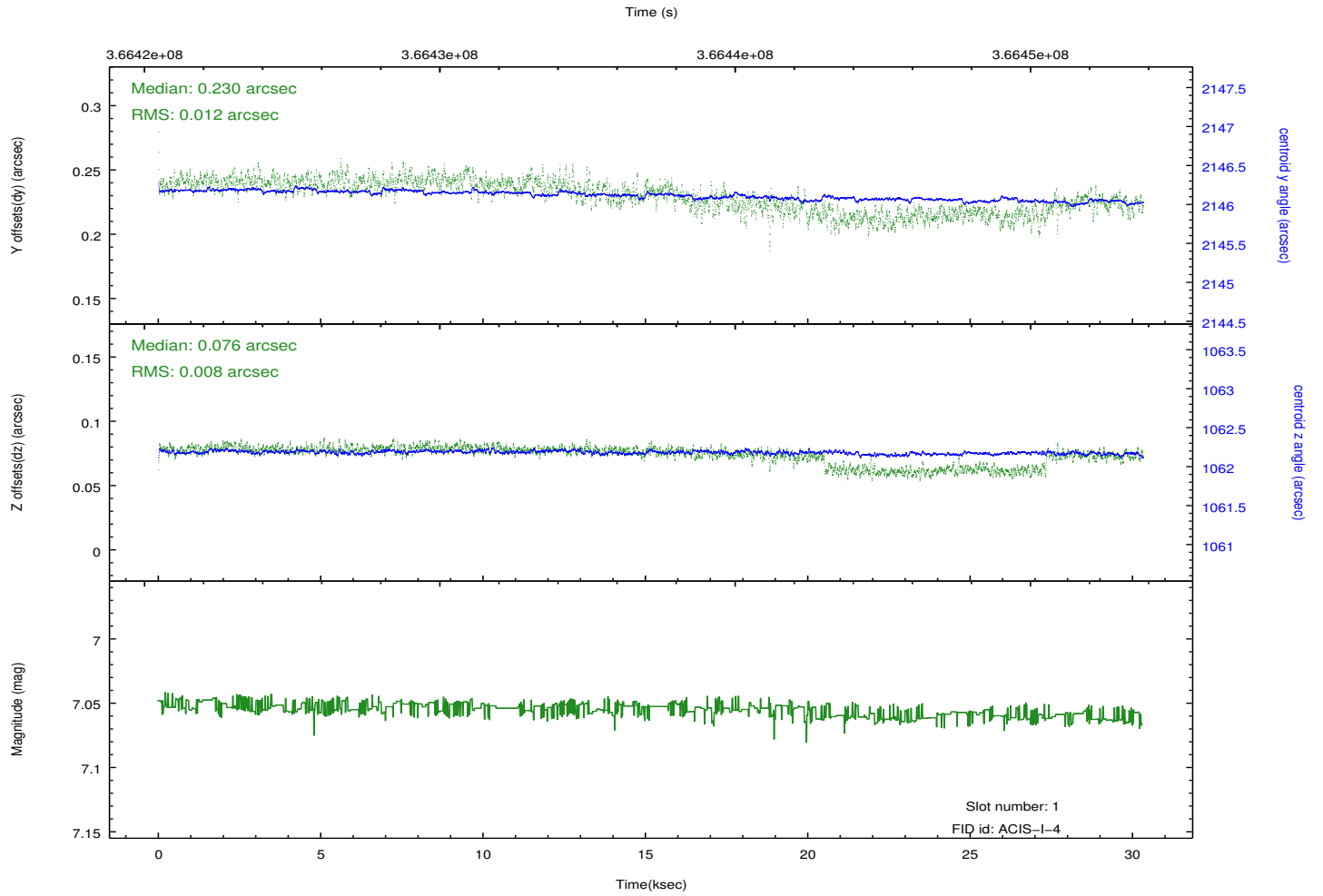
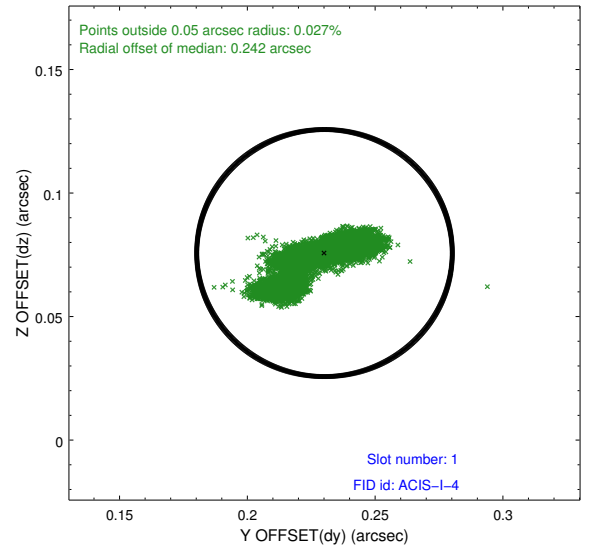
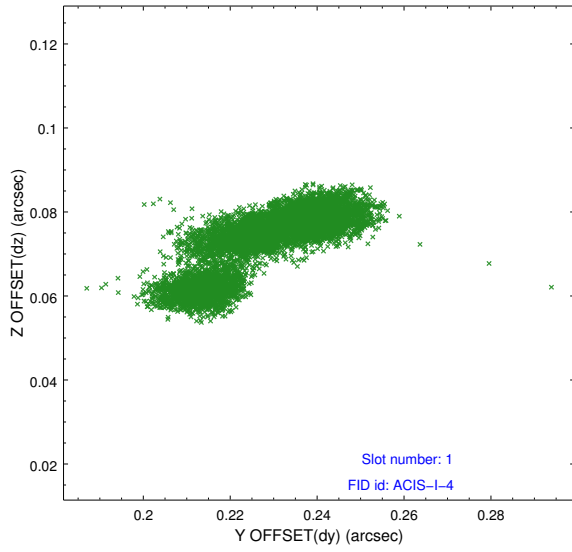


2.5 FID Slots

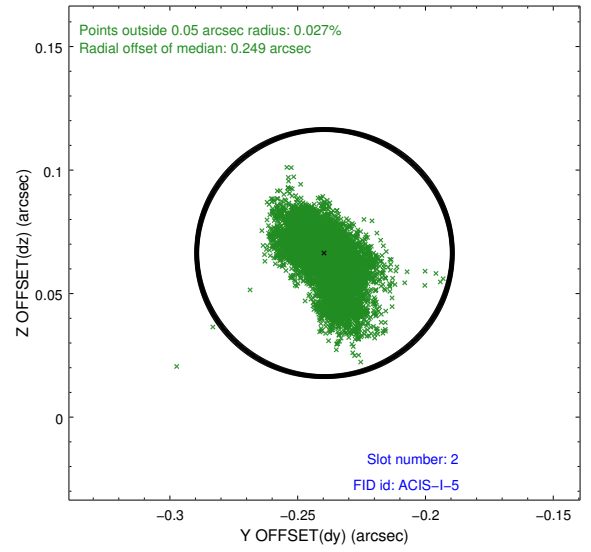
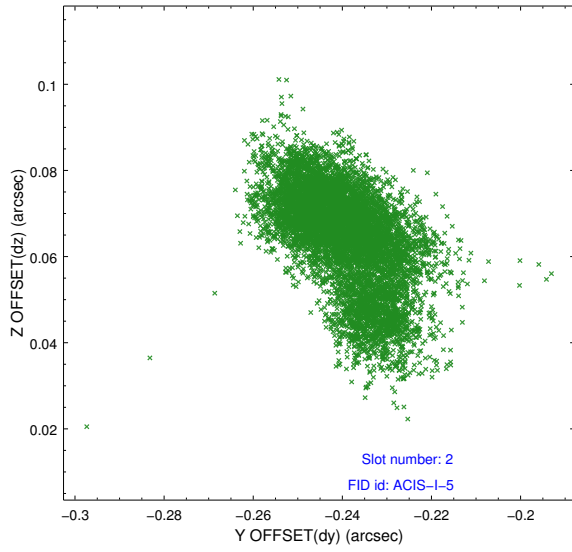
2.5.1 Slot 0



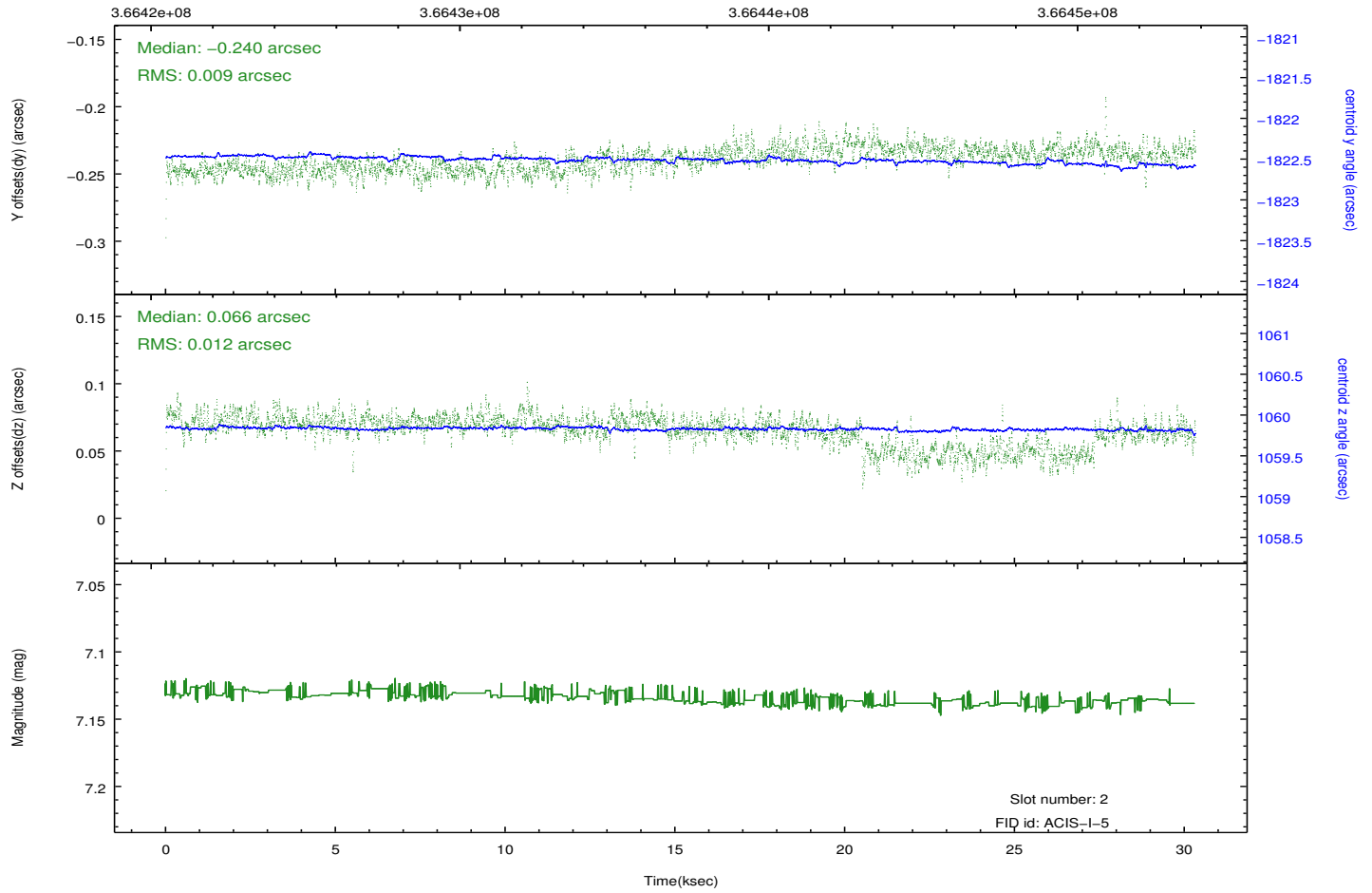
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.892896521986

A.2 Comments