

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9725 - L2 Version 2
Chandra X-Ray Center

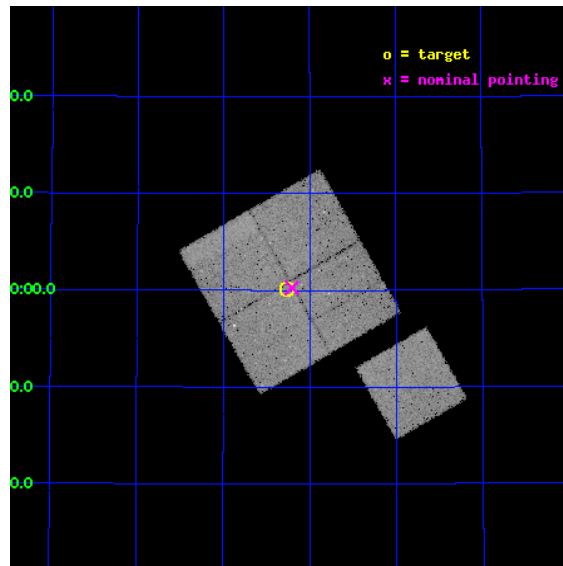
L2 Processing Date : May 12 2012

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

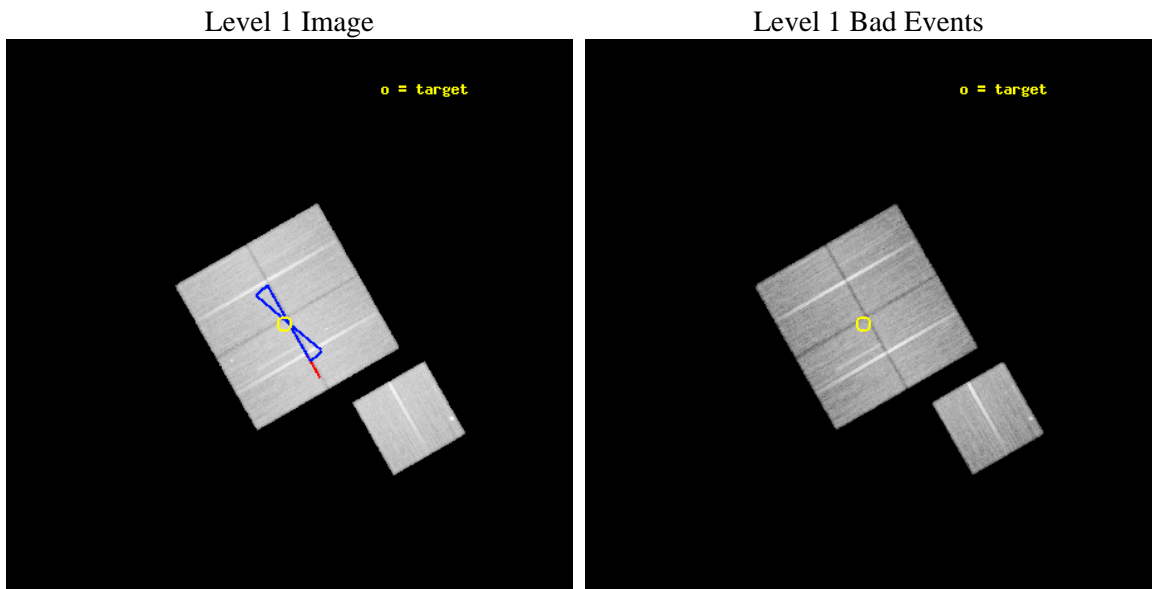
seq_num	900796	Sequence number
obs_id	9725	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05145210088	Nominal RA [deg]
dec_nom	53.00445430734	Nominal Dec [deg]
roll_nom	150.21917375343	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31539.179141104	Sum of GTIs [s]
livetime	31127.09654682	Livetime [s]
ontime0	31542.197021306	Sum of GTIs [s]
ontime1	31545.379041672	Sum of GTIs [s]
ontime2	31542.279061556	Sum of GTIs [s]
ontime3	31539.179141104	Sum of GTIs [s]
ontime6	31542.155991316	Sum of GTIs [s]
l2events	106789	Number of level 2 events



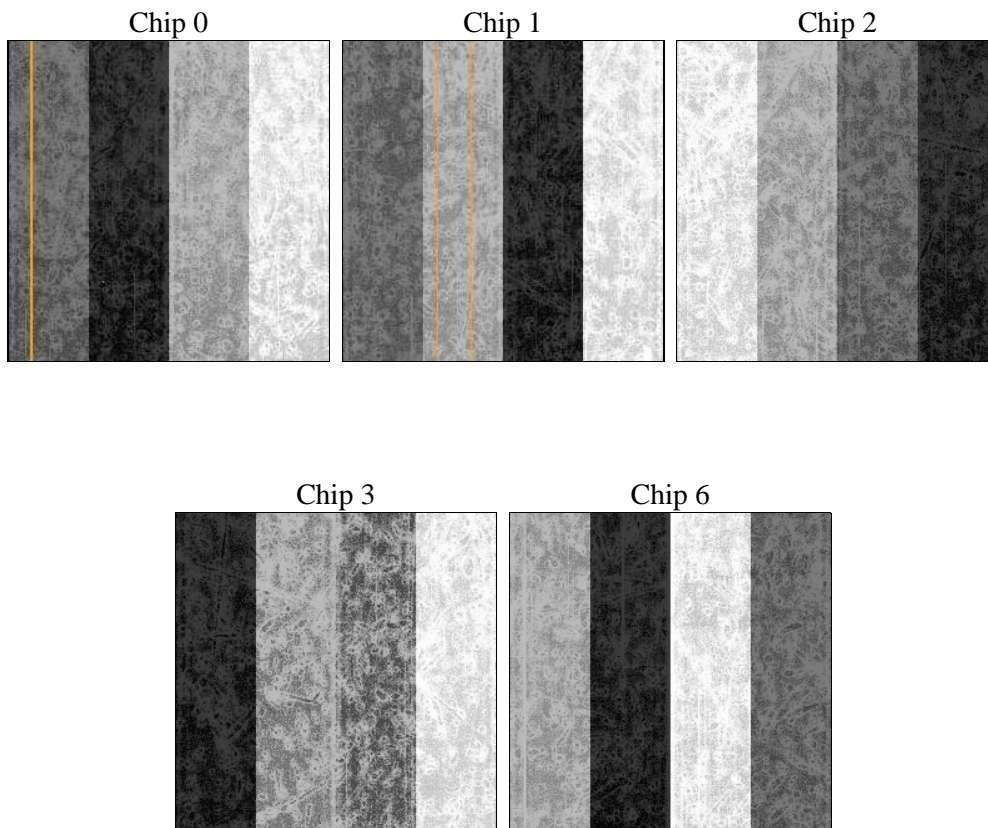
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	31539.179141104	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	31542.197021306	Sum of GTIs [s]
date	2012-05-12T13:49:46	Date and time of file creation	ontime1	31545.379041672	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	31542.279061556	Sum of GTIs [s]
			ontime3	31539.179141104	Sum of GTIs [s]
			ontime6	31542.155991316	Sum of GTIs [s]
			l1events	1236343	Number of level 1 events

2.1.4 Events

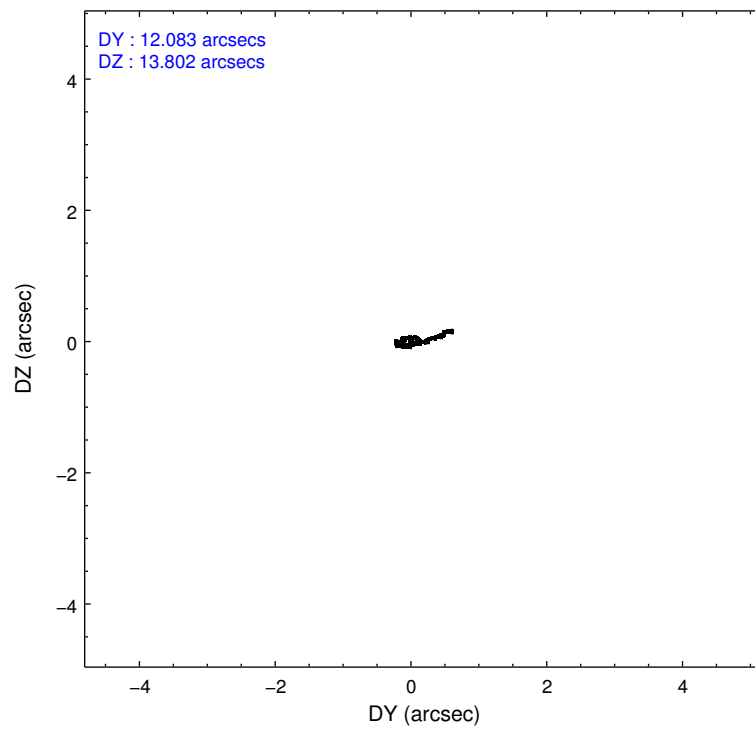
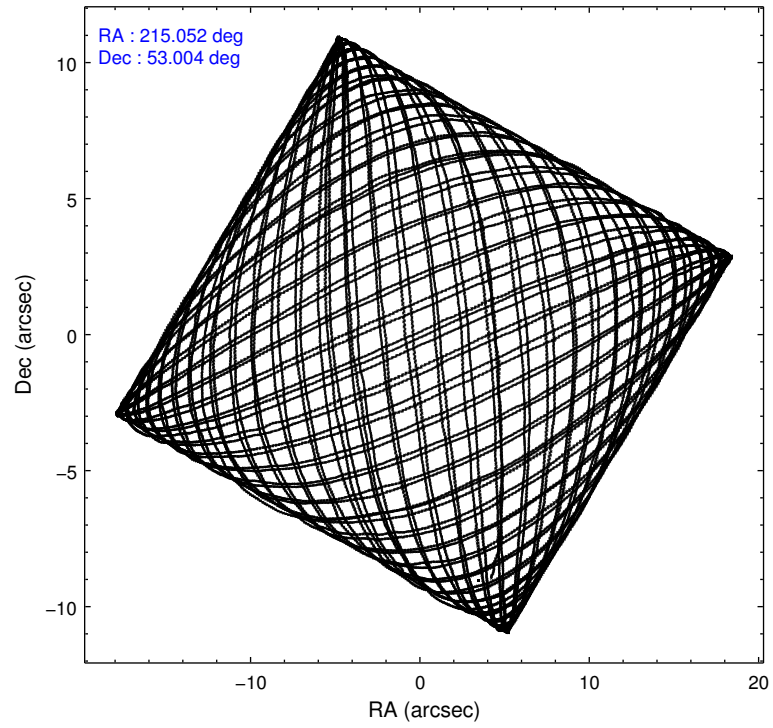
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	233940	232981	260403	250489	258530
rejected events	208150	204719	235287	226221	231953
rejected %	88%	87%	90%	90%	89%

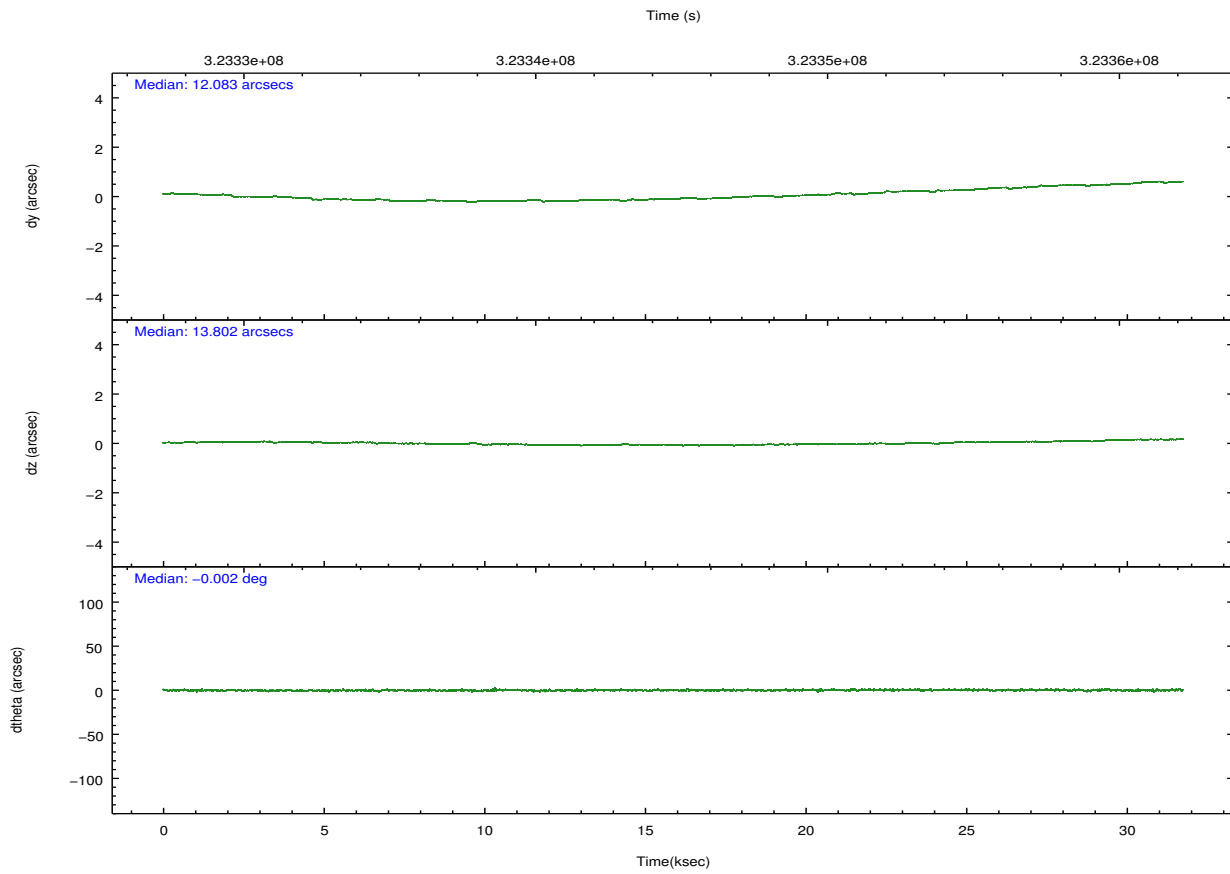
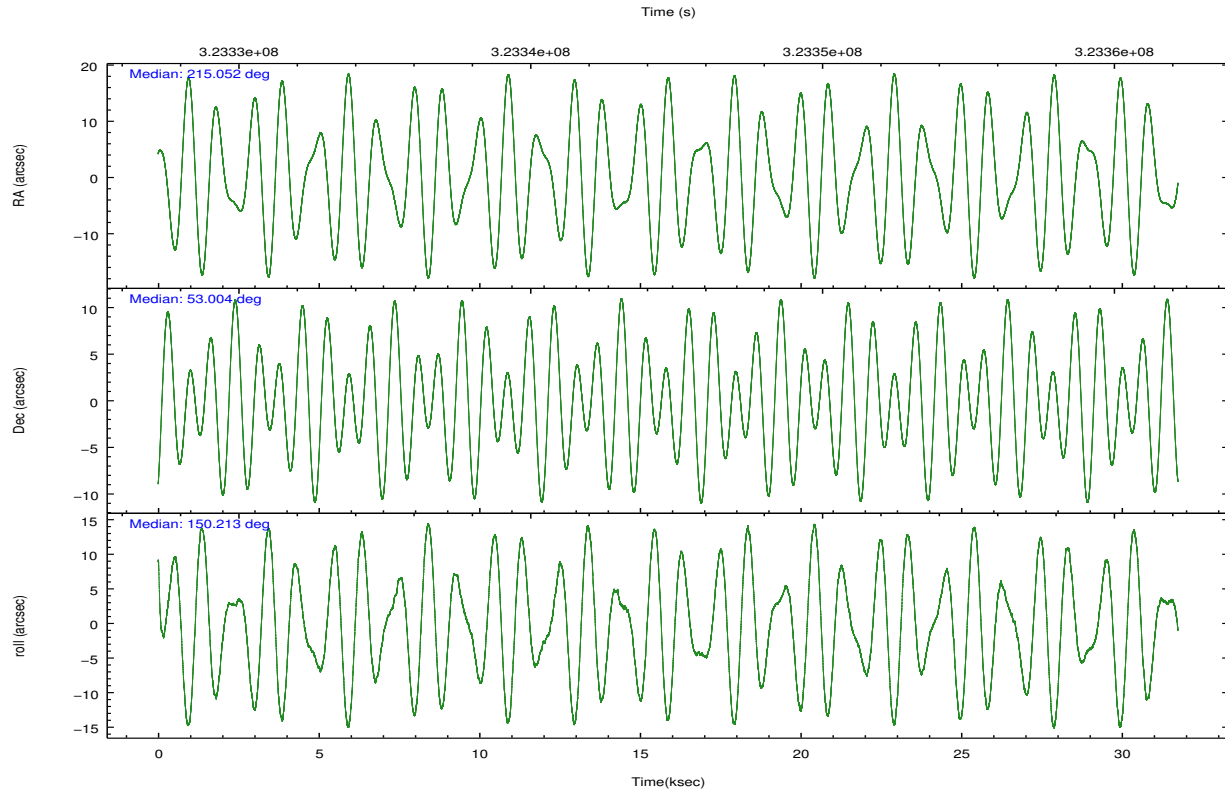
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8991	10177	9031	8654	9727
	3%	4%	3%	3%	3%
grade 1 events	126	112	159	144	247
	0%	0%	0%	0%	0%
grade 2 events	6305	6424	6062	5384	5832
	2%	2%	2%	2%	2%
grade 3 events	2838	2956	2739	2714	2827
	1%	1%	1%	1%	1%
grade 4 events	2626	2957	2665	2696	2760
	1%	1%	1%	1%	1%
grade 5 events	9069	9888	8712	10428	10286
	3%	4%	3%	4%	3%
grade 6 events	5032	5751	4625	4824	5436
	2%	2%	1%	1%	2%
grade 7 events	198953	194716	226410	215645	221415
	85%	83%	86%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	215.097166	215.0514521008768	CCD I2 on	Y	Y
[deg] Pointing Dec	53.004646	53.00445430734017	CCD I3 on	Y	Y
[deg] Pointing Roll	149.973978	150.2191737534301	CCD S0 on	N	N
[deg] Roll angle	50.000000	50.000000	CCD S1 on	N	N
[deg] Roll tolerance	10.000000	10.000000	CCD S2 on	O1	Y
Roll constraint allows 180D rotation	Y	Y	CCD S3 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S4 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S5 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	Number of optional ACIS chips dropped	0	0
[mm] SIM translation stage offset	0	-0.005018542100998502	On-chip summing requested	N	N
[s] Observation start time (MET)	323329064.184000	323328102.81878	Subarray requested	NONE	NONE
Observation start date	2008-03-31T05:36:39	2008-03-31T05:21:42	Alternating exposures requested	N	N
[s] Observation end time (MET)	323360564.184000	323361401.9954	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-03-31T14:21:39	2008-03-31T14:36:41			
Read mode	TIMED	TIMED			

2.3 Aspect



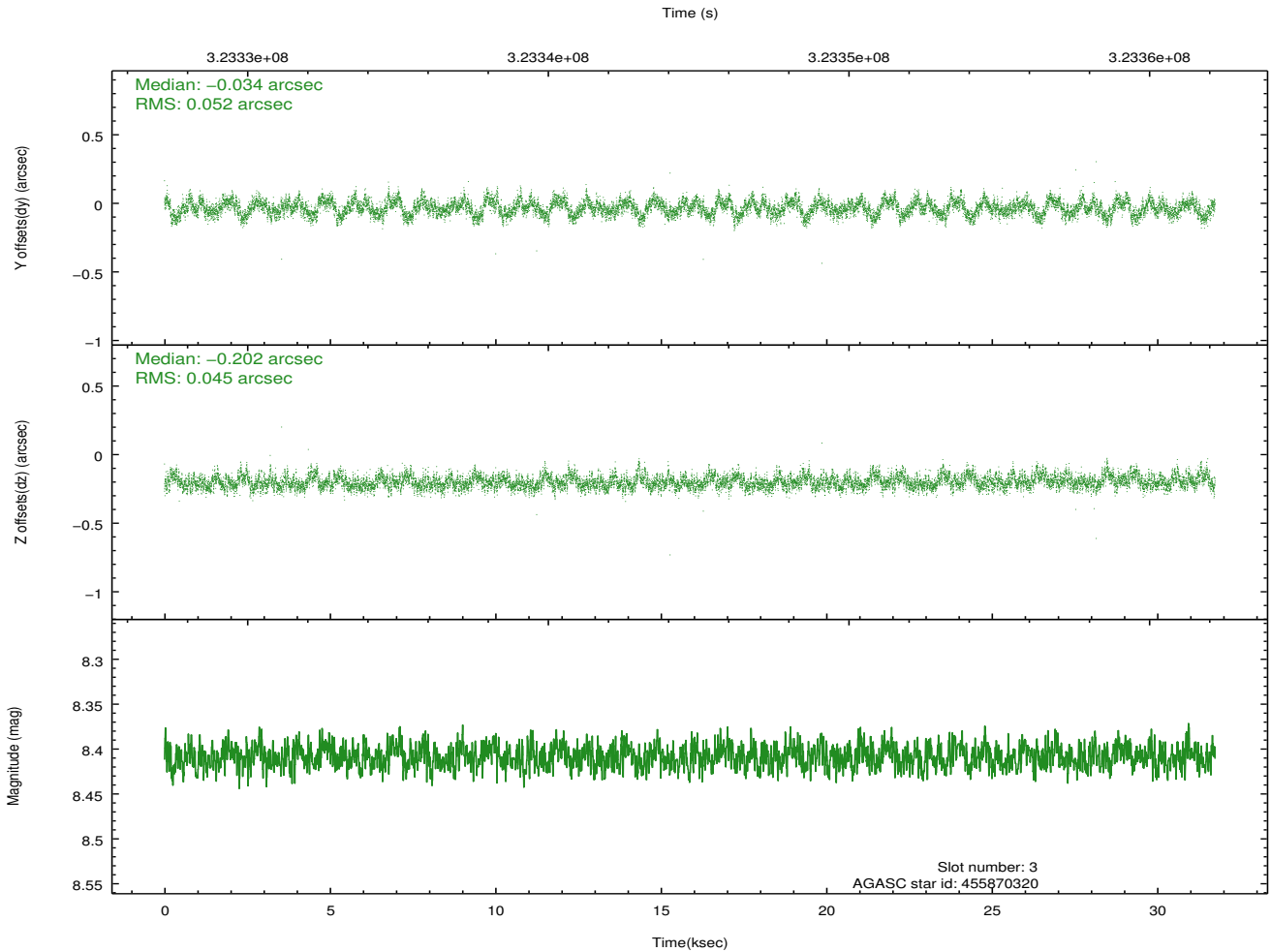
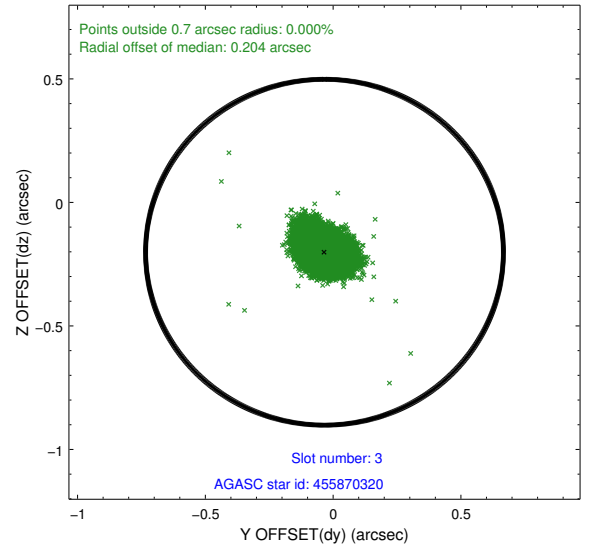
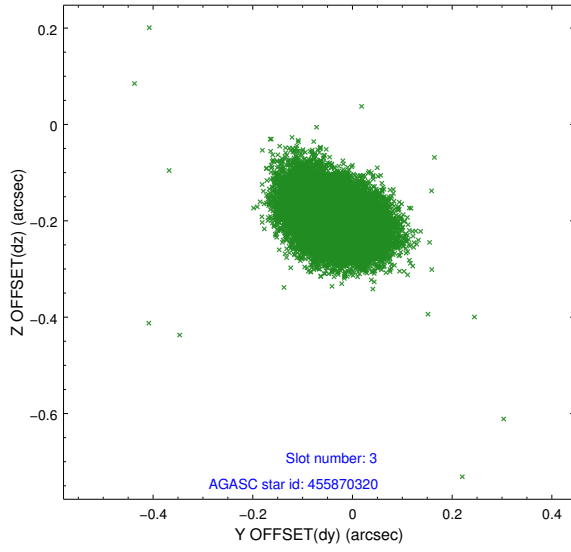


Slot Statistics

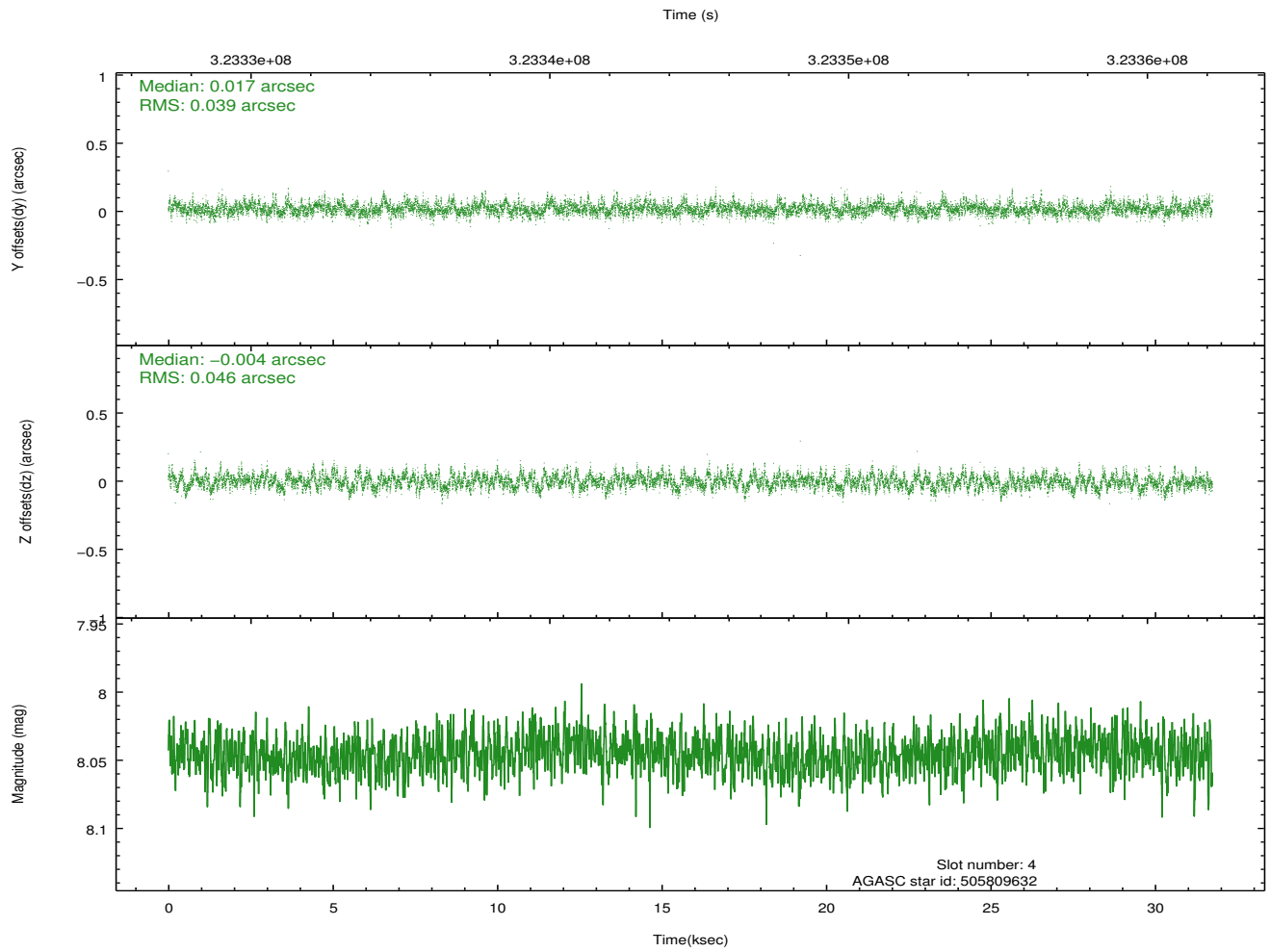
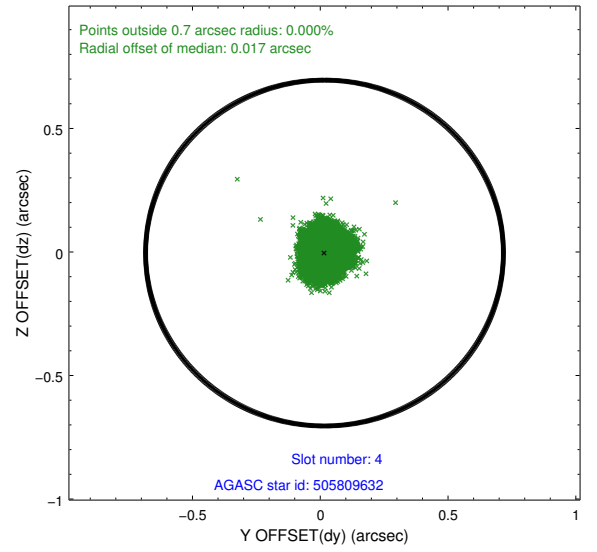
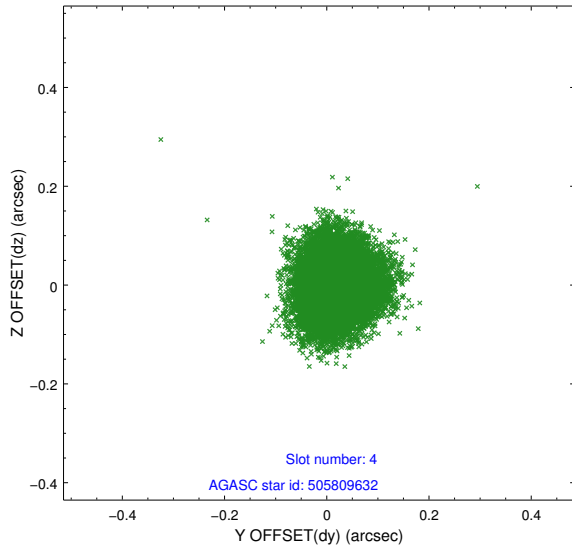
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	7742	-0.023	0.036	0.009	0.016	0.000000	0.000000	927.36	-837.35
1	FID	ACIS-I-4	7.17	7742	0.166	0.010	0.014	0.024	0.000000	0.000000	2147.63	1062.40
2	FID	ACIS-I-5	7.21	7742	-0.241	0.025	0.013	0.026	0.000000	0.000000	-1820.78	1060.35
3	GUIDE	455870320	8.41	15477	-0.034	-0.202	0.072	0.118	214.874440	52.401638	-662.55	2123.66
4	GUIDE	505809632	8.05	15479	0.017	-0.004	0.064	0.105	215.499426	53.521185	186.66	-2042.53
5	GUIDE	505812088	8.15	15477	0.078	-0.026	0.072	0.117	214.186617	53.263562	2170.40	163.58
6	GUIDE	505812376	7.58	15481	0.009	0.103	0.052	0.083	214.039537	52.937930	1875.16	1342.06
7	GUIDE	505815928	8.29	15345	-0.069	0.127	0.057	0.091	216.234742	53.074559	-1993.98	-1465.74

2.4 Star Slots

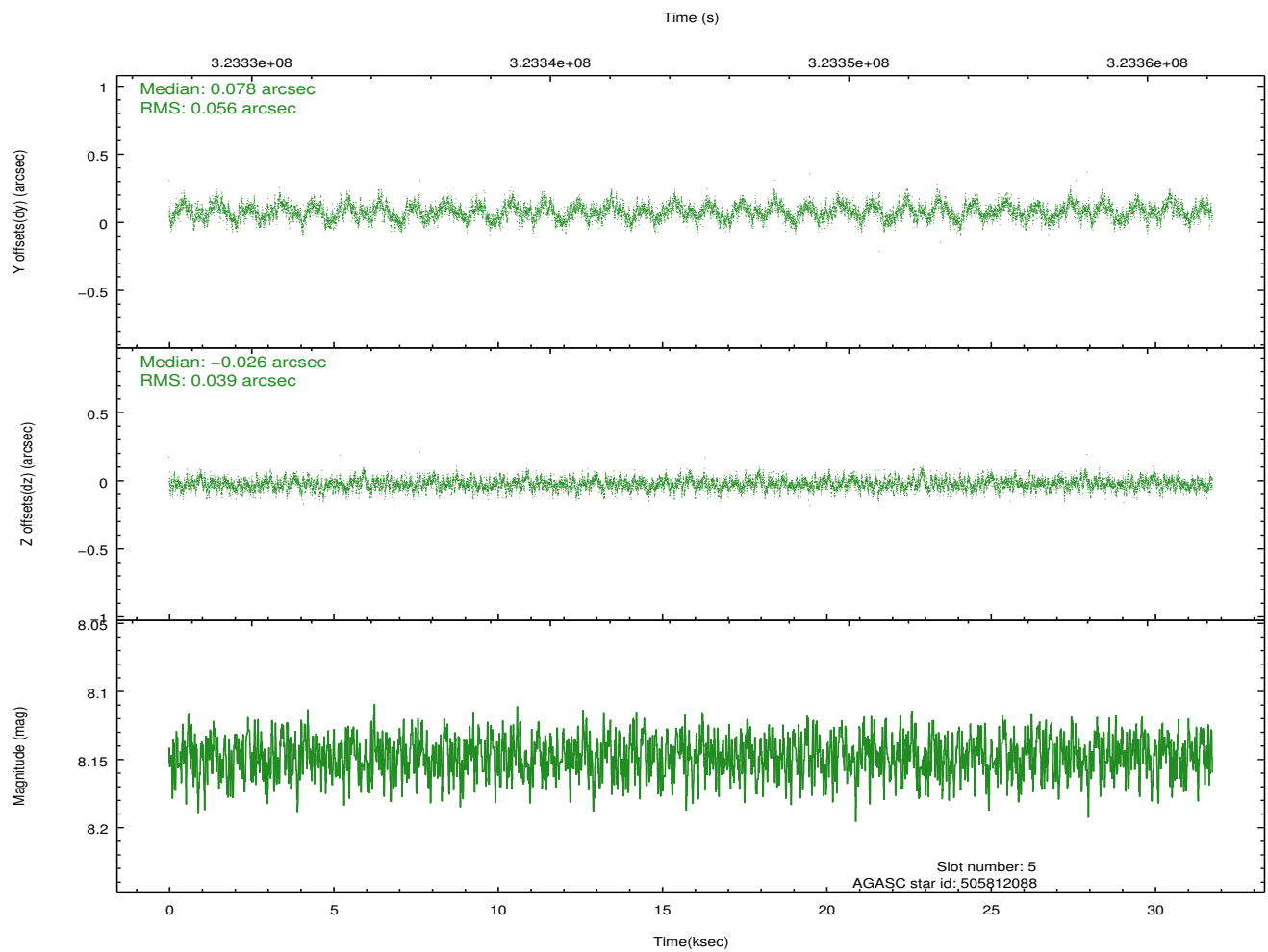
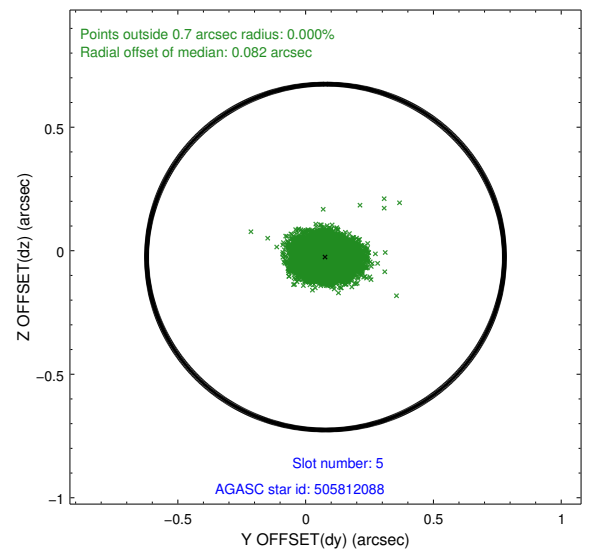
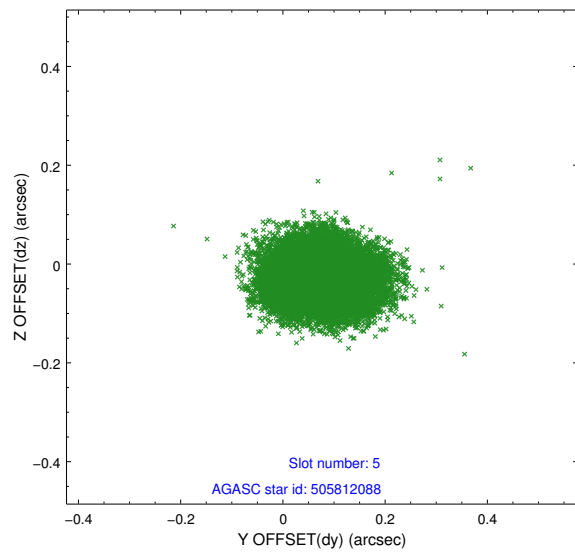
2.4.1 Slot 3



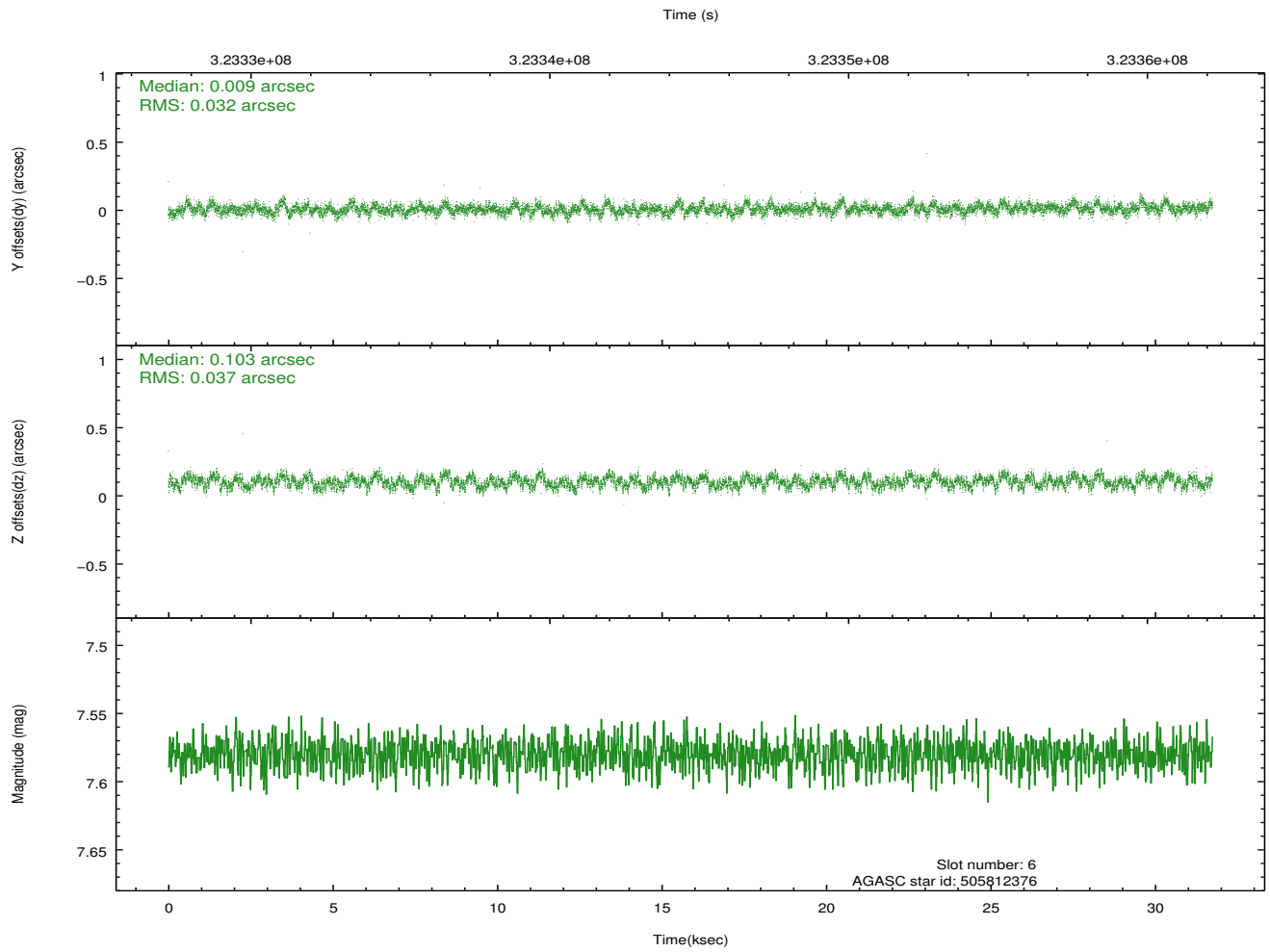
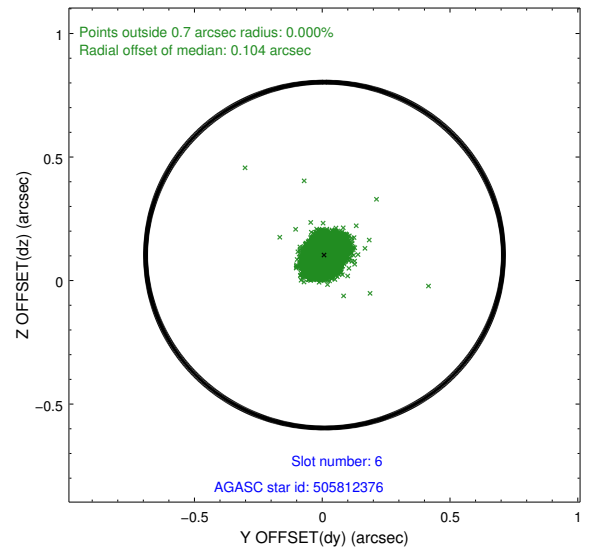
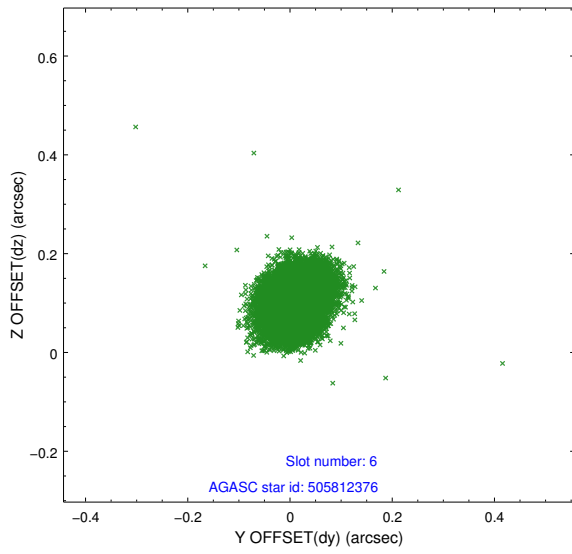
2.4.2 Slot 4



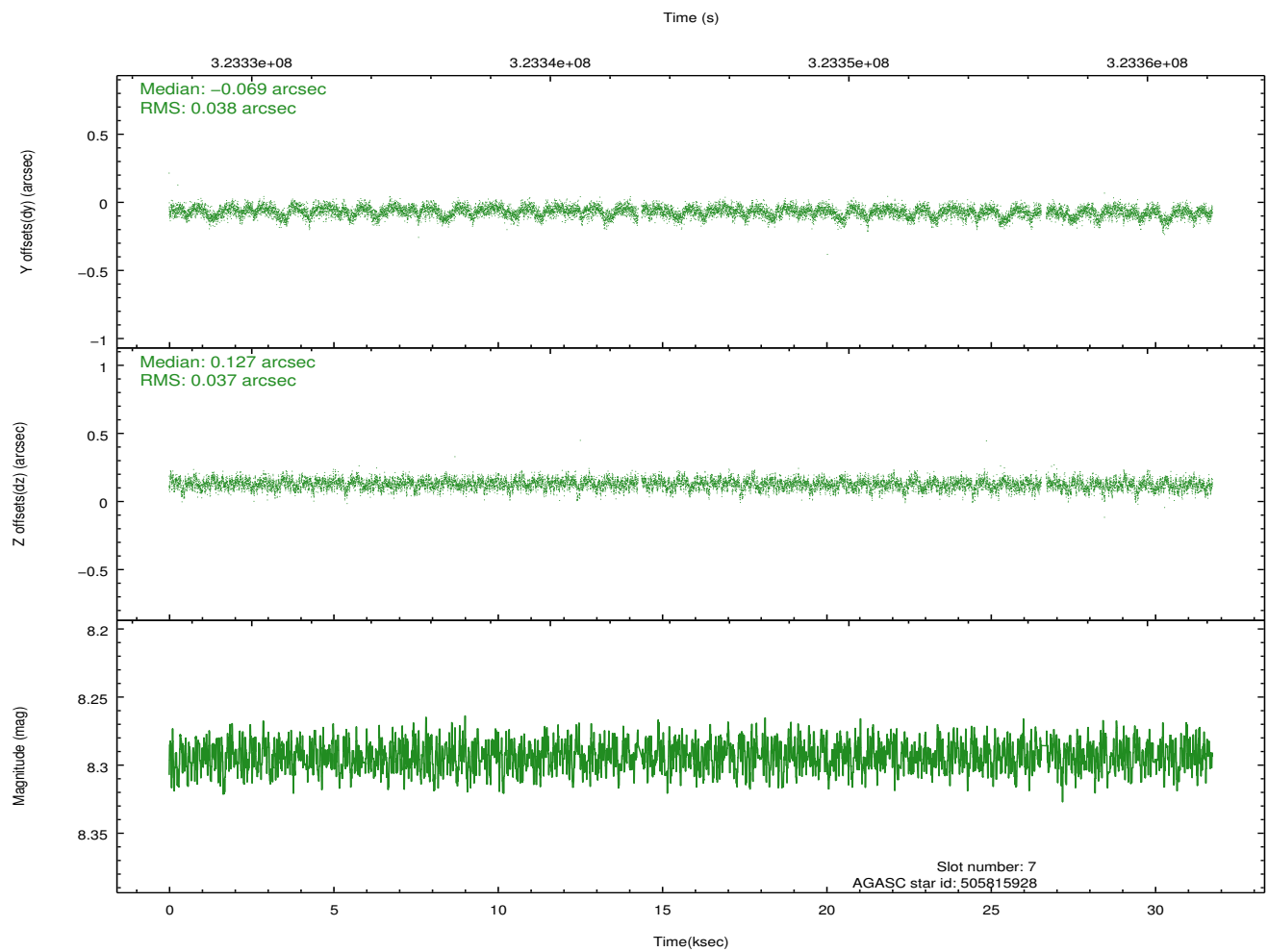
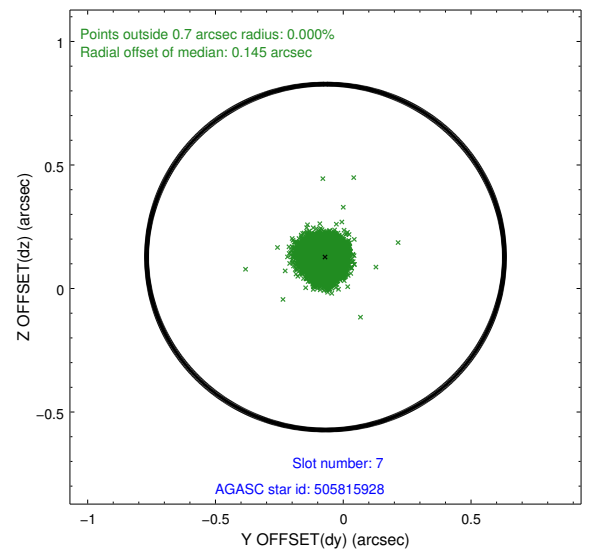
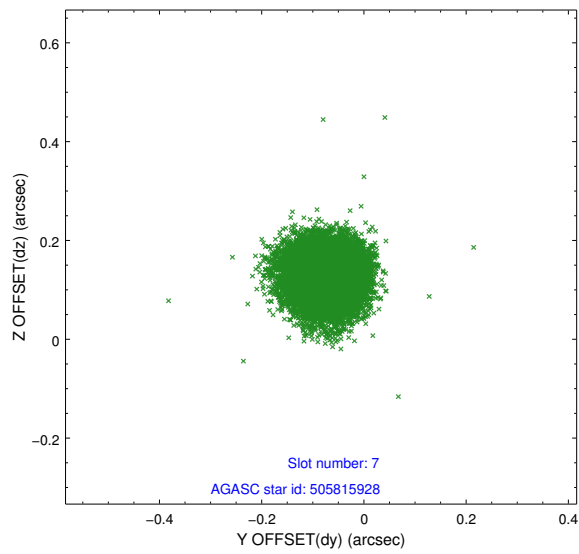
2.4.3 Slot 5



2.4.4 Slot 6

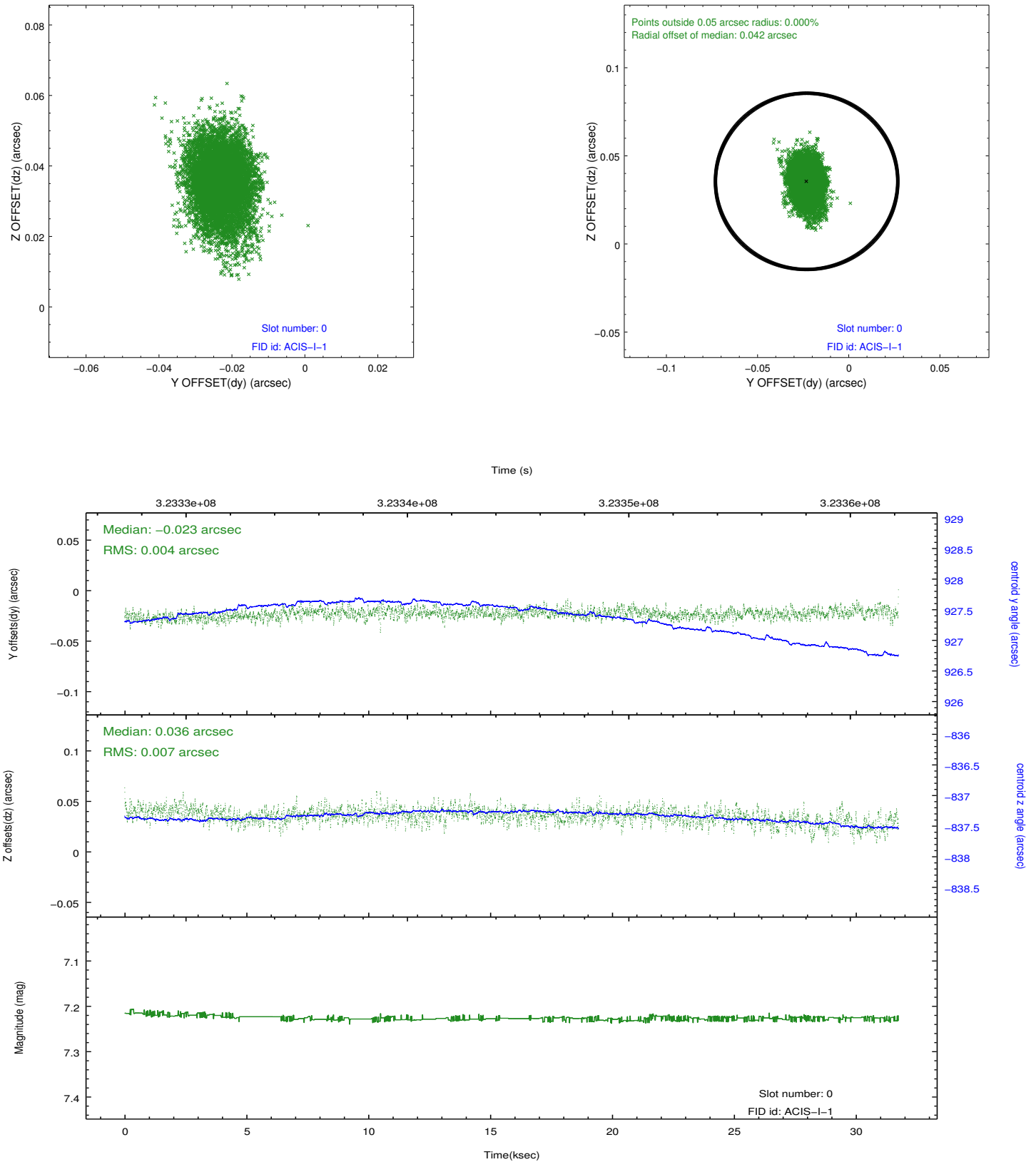


2.4.5 Slot 7

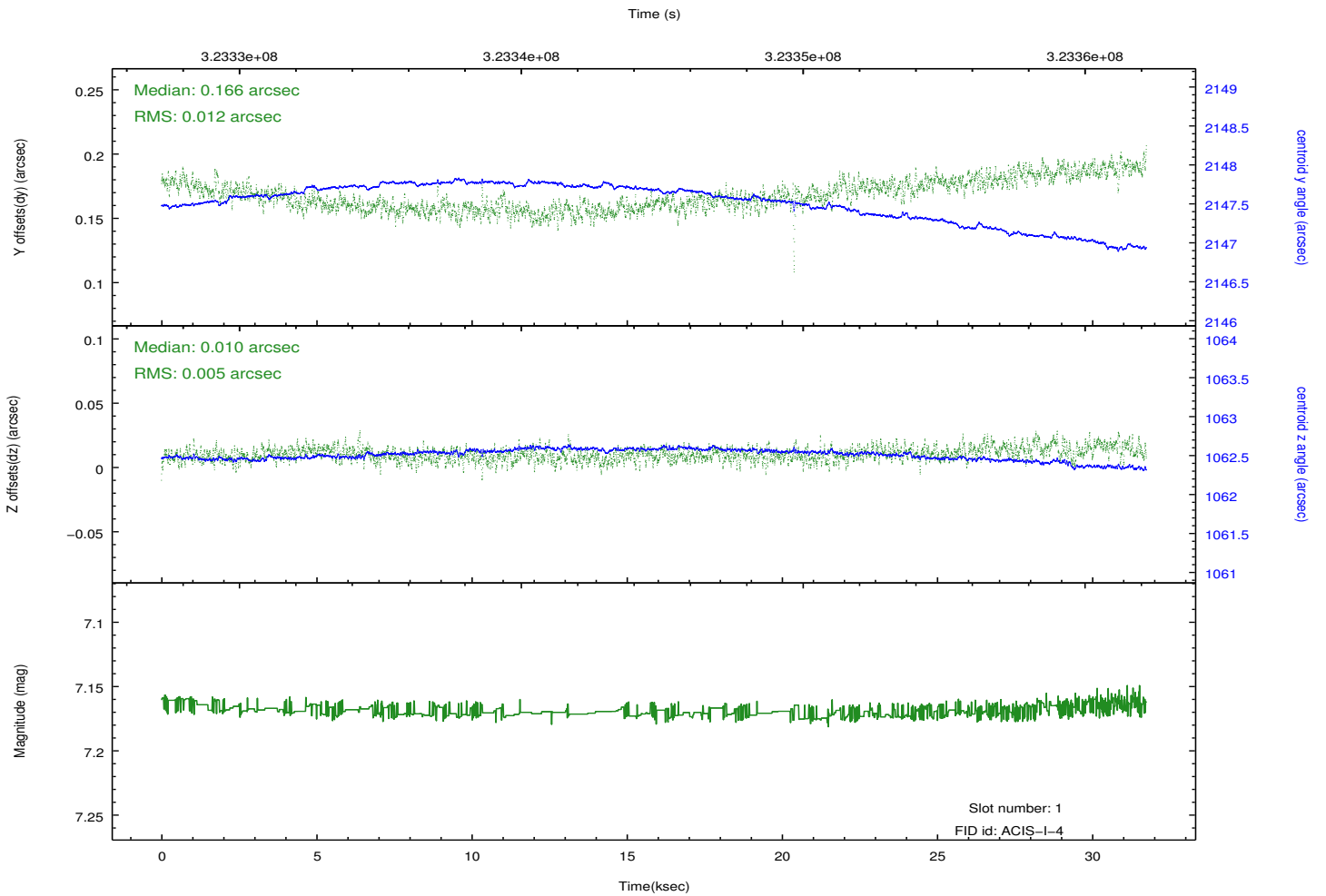
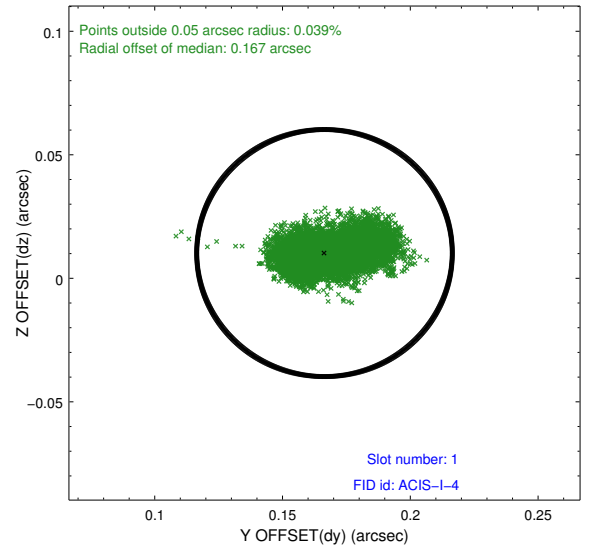
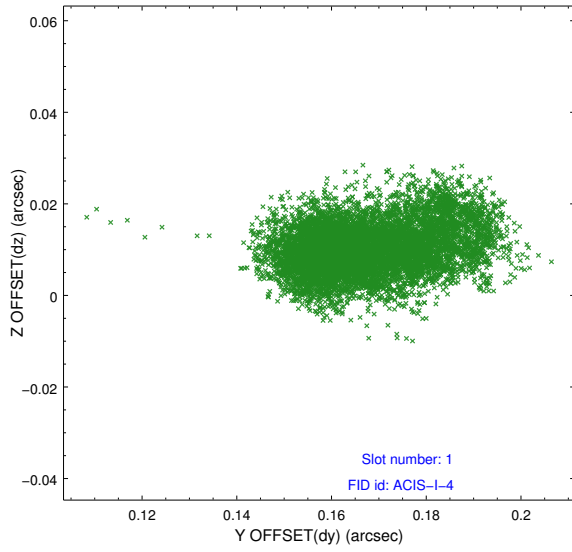


2.5 FID Slots

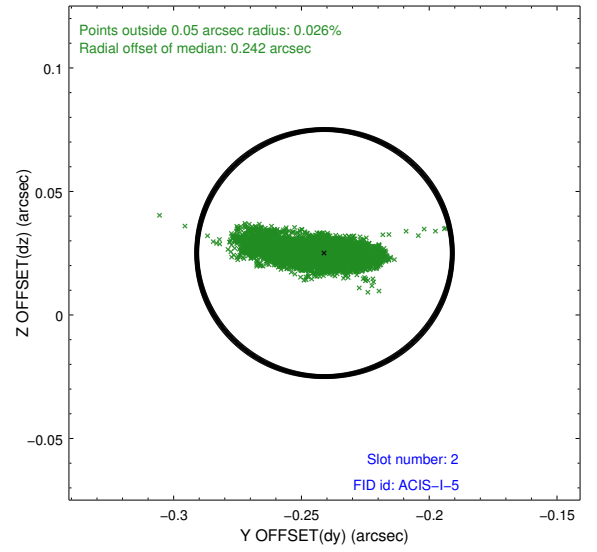
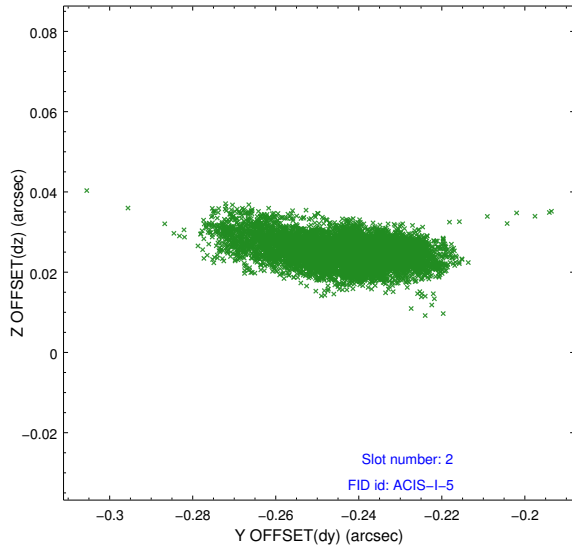
2.5.1 Slot 0



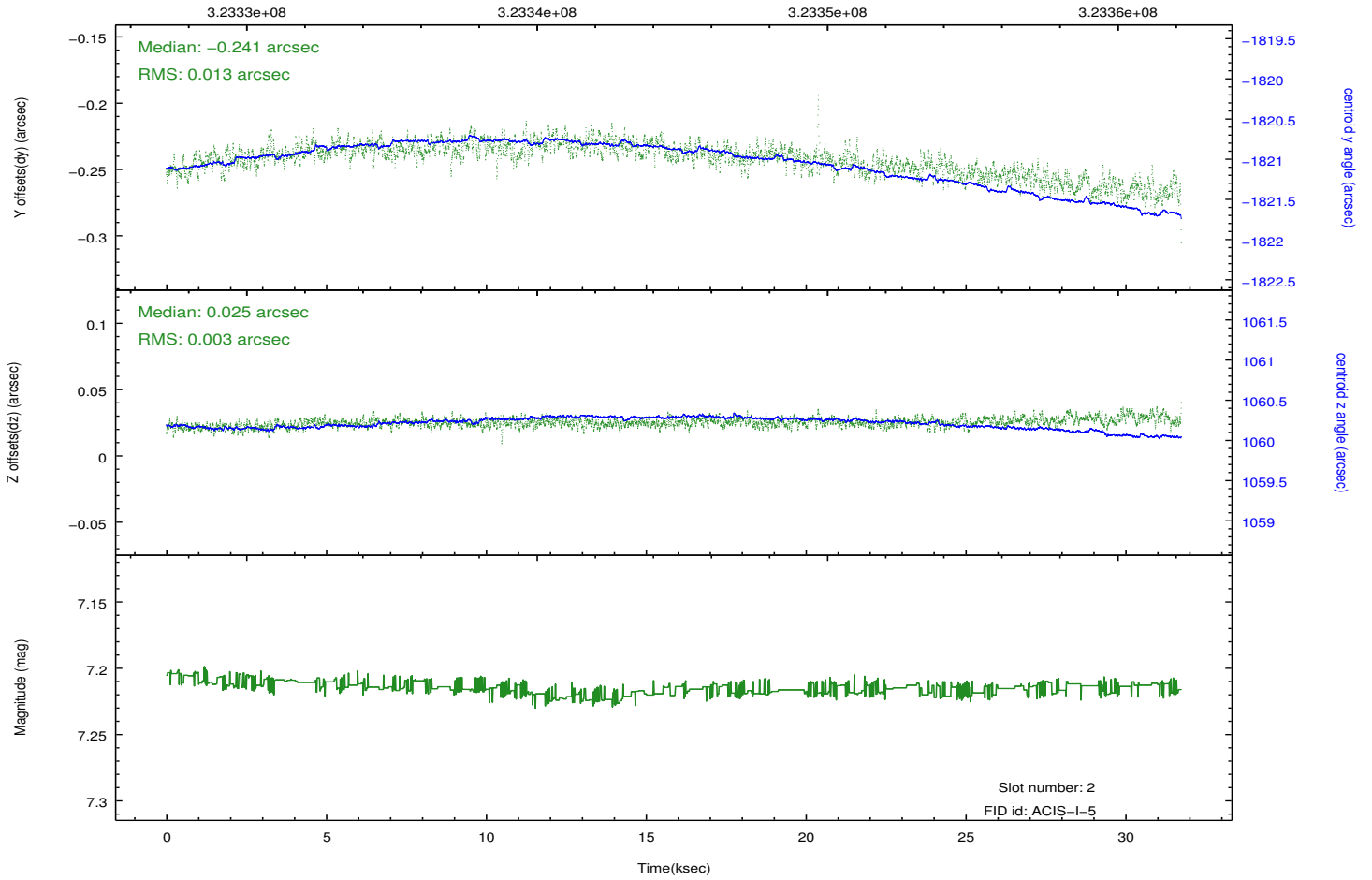
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.5393182

A.2 Comments

Joint proposal with Spitzer.

Roll angle OK per CD0.