

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10240 - L2 Version 2
Chandra X-Ray Center

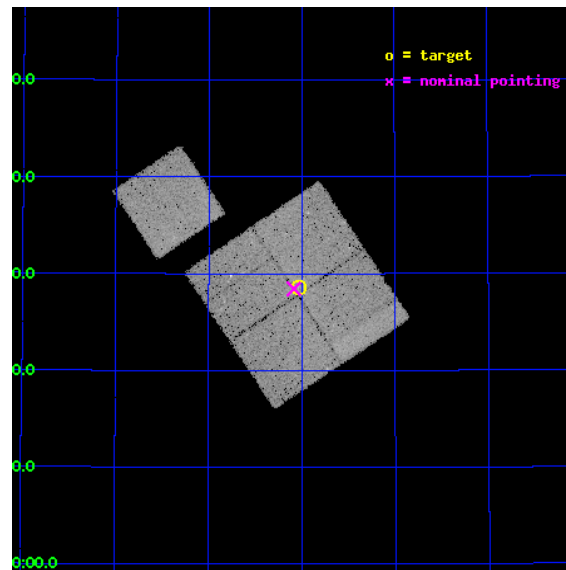
L2 Processing Date : Jun 2 2012

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1 Front

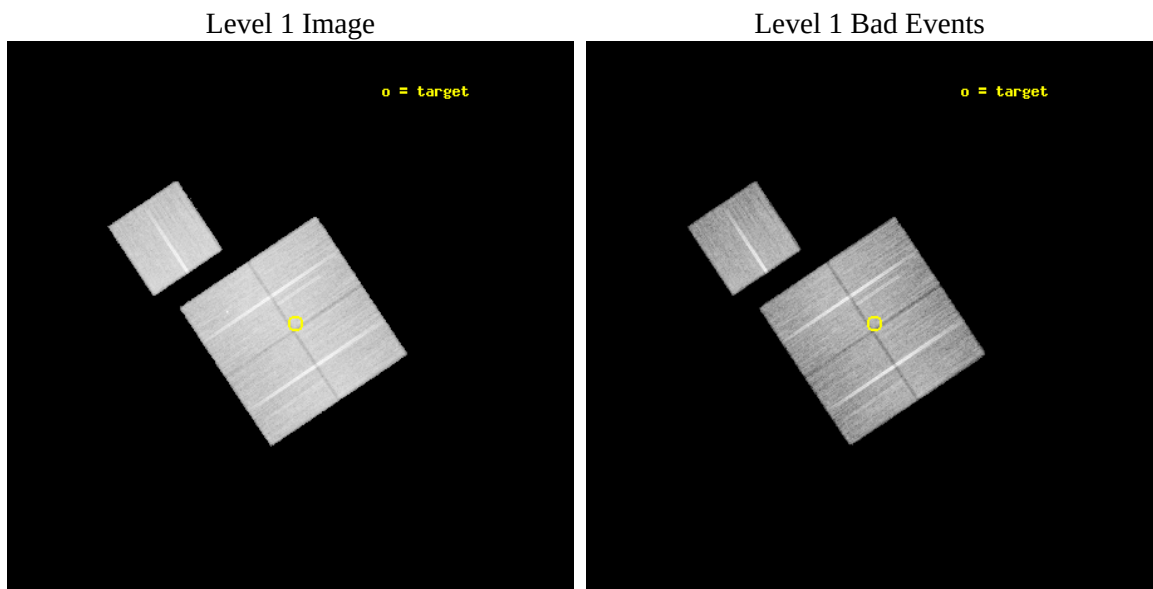
seq_num	701783	Sequence number
obs_id	10240	Observation id
title	The multi-faceted X-ray activity of low-redshift active galaxies	P
observer	Prof Mark Birkinshaw	Principal investigator
object	3C 35	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	18.009167	Observer's specified target RA [deg]
dec_targ	49.476389	Observer's specified target Dec [deg]
ra_nom	18.021110123538	Nominal RA [deg]
dec_nom	49.474123327477	Nominal Dec [deg]
roll_nom	326.31277095696	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25968.659239411	Sum of GTIs [s]
livetime	25629.3595886	Livetime [s]
ontime0	25968.65920949	Sum of GTIs [s]
ontime1	25968.65920949	Sum of GTIs [s]
ontime2	25962.37723881	Sum of GTIs [s]
ontime3	25968.659239411	Sum of GTIs [s]
ontime6	25971.800199747	Sum of GTIs [s]
l2events	96468	Number of level 2 events



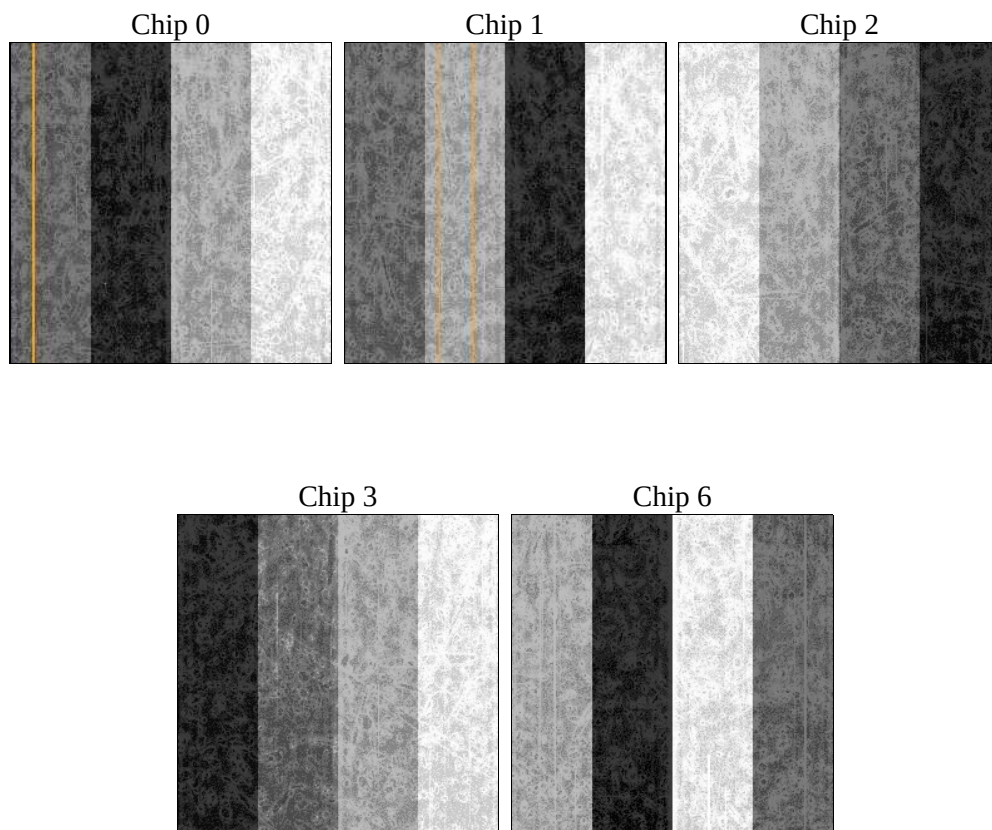
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	25968.659239411	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	25968.65920949	Sum of GTIs [s]
date	2012-06-02T01:17:48	Date and time of file creation	ontime1	25968.65920949	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	25962.37723881	Sum of GTIs [s]
			ontime3	25968.659239411	Sum of GTIs [s]
			ontime6	25971.800199747	Sum of GTIs [s]
			l1events	1100567	Number of level 1 events

2.1.4 Events

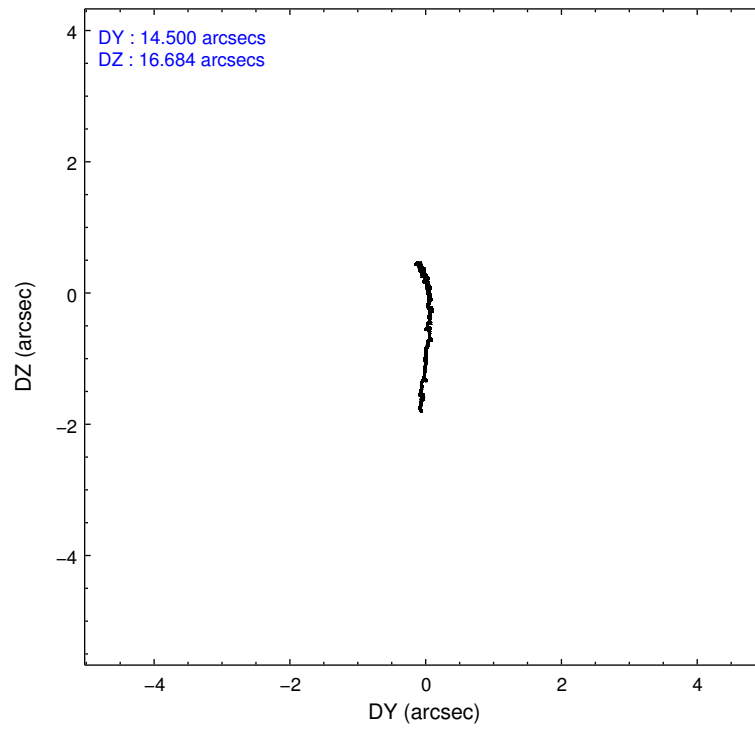
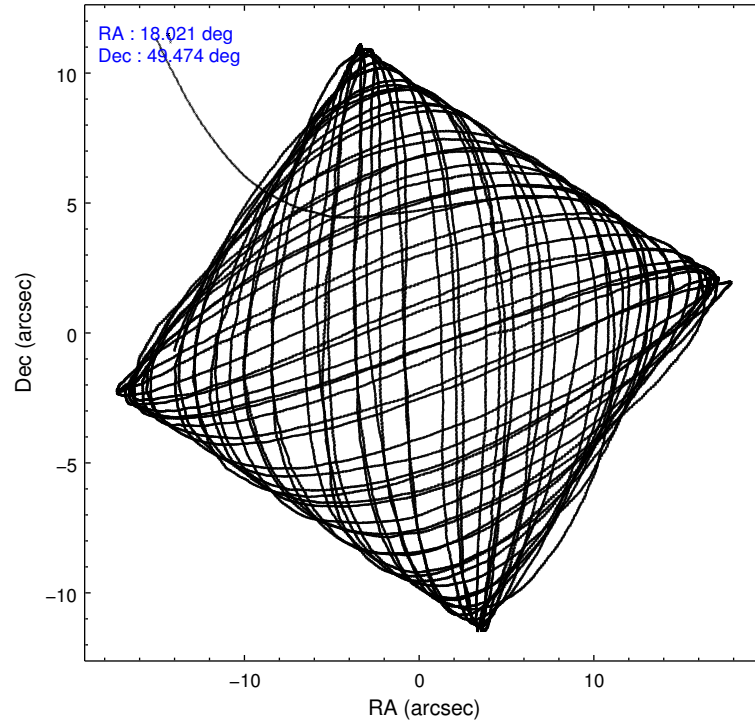
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	207267	212810	233636	221860	224994
rejected events	184347	187519	210717	200152	201590
rejected %	88%	88%	90%	90%	89%

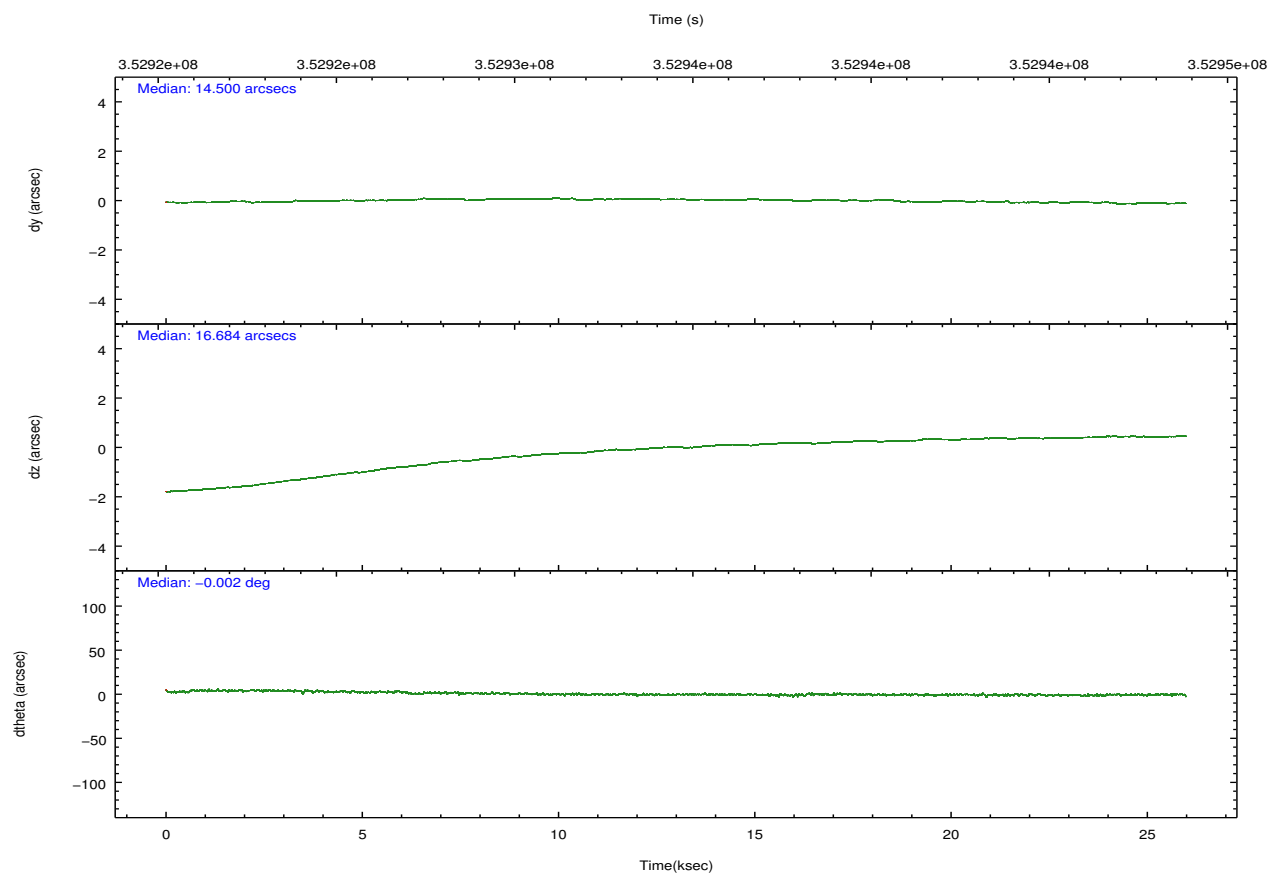
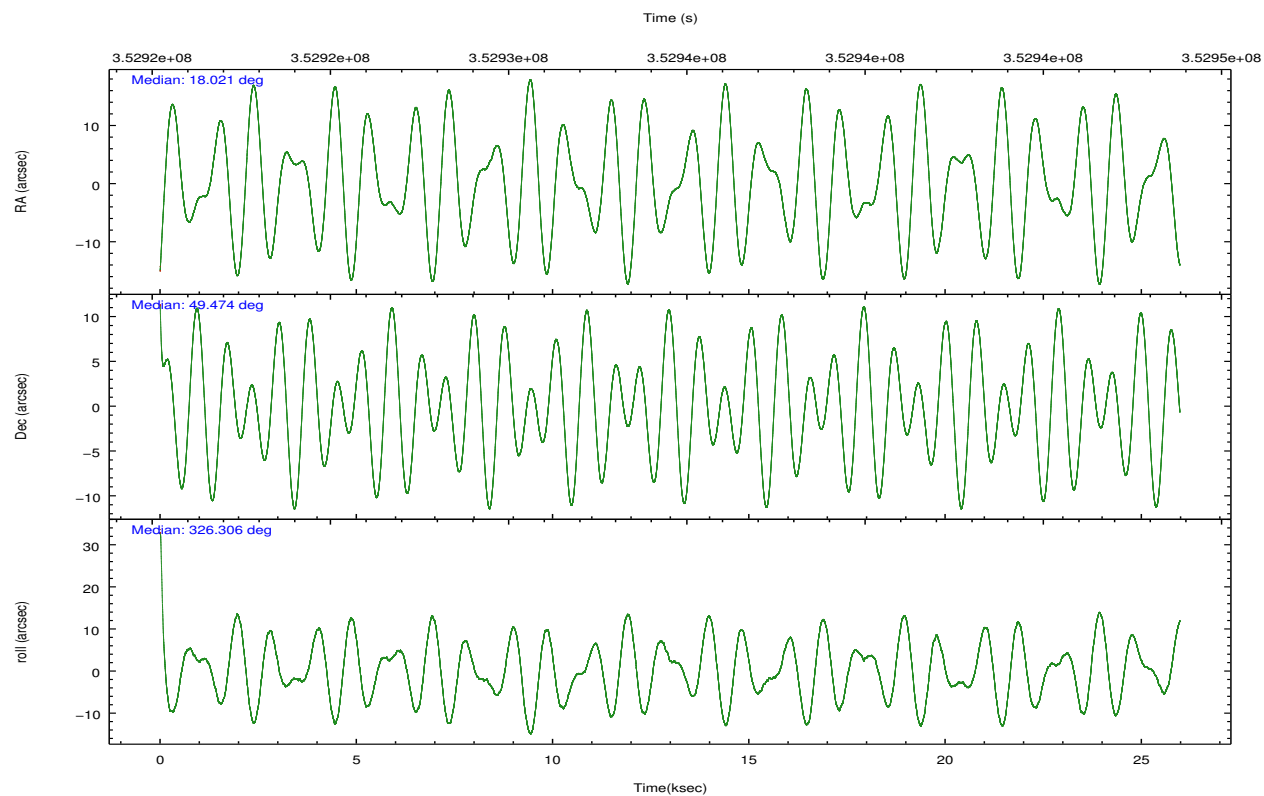
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8022	9057	8250	7676	8180
	3%	4%	3%	3%	3%
grade 1 events	125	97	154	145	129
	0%	0%	0%	0%	0%
grade 2 events	5639	5927	5670	4946	5220
	2%	2%	2%	2%	2%
grade 3 events	2540	2705	2360	2391	2617
	1%	1%	1%	1%	1%
grade 4 events	2370	2642	2473	2490	2547
	1%	1%	1%	1%	1%
grade 5 events	8061	8846	7876	9466	9163
	3%	4%	3%	4%	4%
grade 6 events	4606	5192	4391	4398	5047
	2%	2%	1%	1%	2%
grade 7 events	175904	178344	202462	190348	192091
	84%	83%	86%	85%	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	17.978859	18.0211101235376	CCD I2 on	Y	Y
[deg] Pointing Dec	49.475754	49.47412332747682	CCD I3 on	Y	Y
[deg] Pointing Roll	326.136193	326.3127709569644	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	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	352921720.184000	352920612.54587	CCD S5 on	N	N
Observation start date	2009-03-08T17:47:34	2009-03-08T17:30:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	352947520.184000	352949025.03478	On-chip summing requested	N	N
Observation end date	2009-03-09T00:57:34	2009-03-09T01:23:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



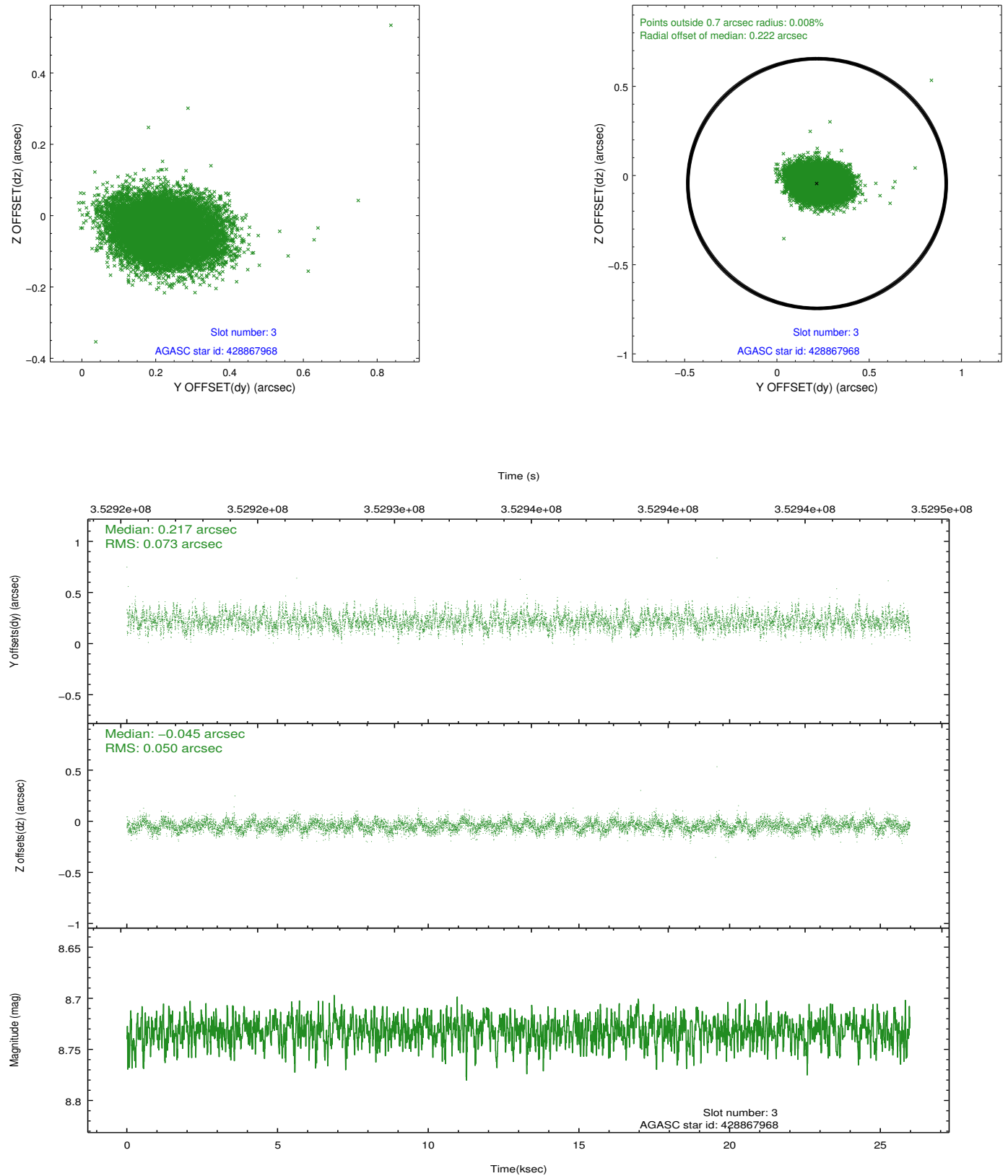


Slot Statistics

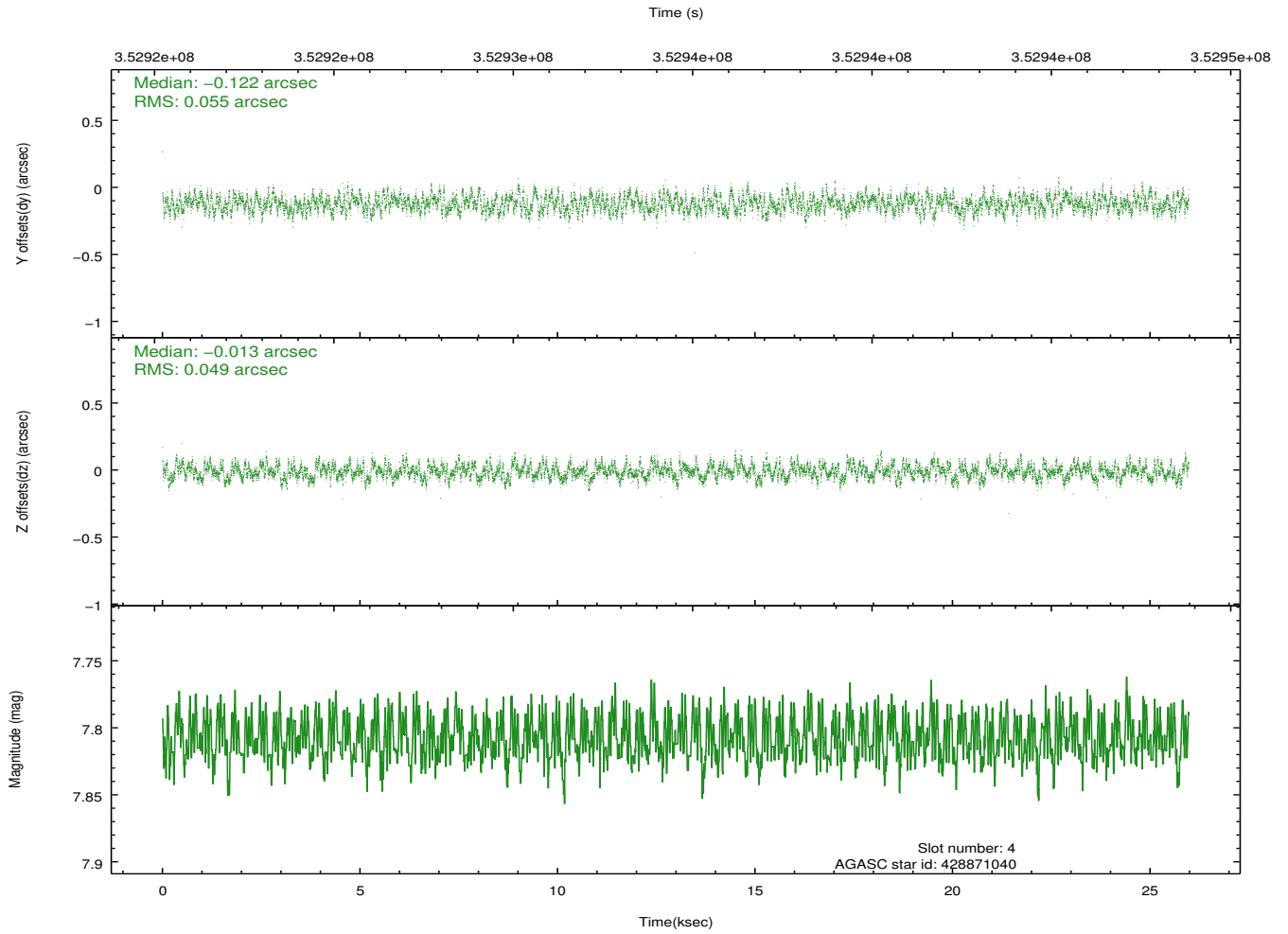
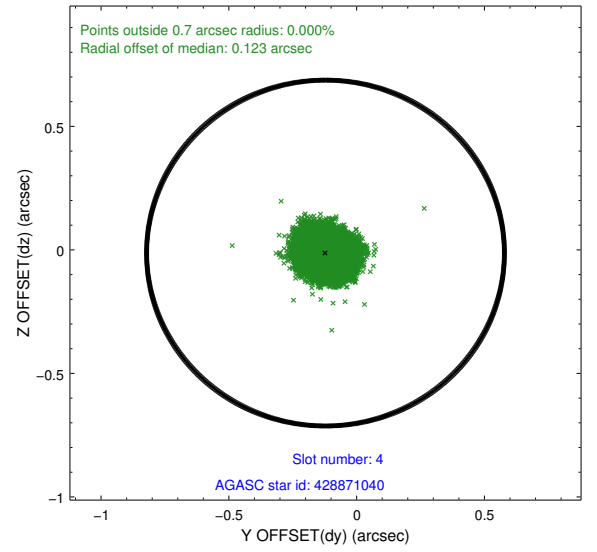
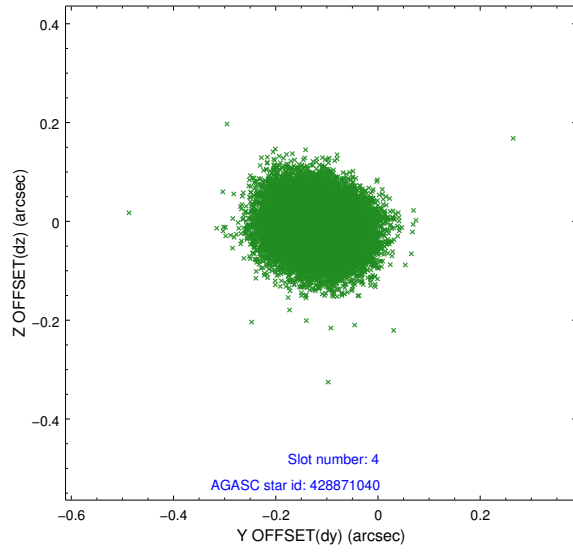
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	6337	-0.094	-0.062	0.016	0.055	0.000000	0.000000	924.90	-840.11
1	FID	ACIS-I-4	7.00	6336	0.032	0.116	0.015	0.054	0.000000	0.000000	2145.12	1059.81
2	FID	ACIS-I-6	7.07	6337	-0.038	0.016	0.015	0.024	0.000000	0.000000	390.98	1702.02
3	GUIDE	428867968	8.73	12660	0.217	-0.045	0.092	0.156	18.452747	48.786972	2314.01	-1429.47
4	GUIDE	428871040	7.81	12671	-0.122	-0.013	0.081	0.122	17.915624	49.623873	-419.21	360.51
5	GUIDE	428877376	7.78	12672	0.047	-0.011	0.090	0.132	18.649157	49.429647	1392.28	742.78
6	GUIDE	428878536	7.62	12674	-0.097	-0.048	0.058	0.094	17.465902	49.053858	-160.35	-1932.24
7	GUIDE	428869640	9.02	12635	-0.045	0.098	0.140	0.222	18.037213	50.110894	-1162.27	1973.65

2.4 Star Slots

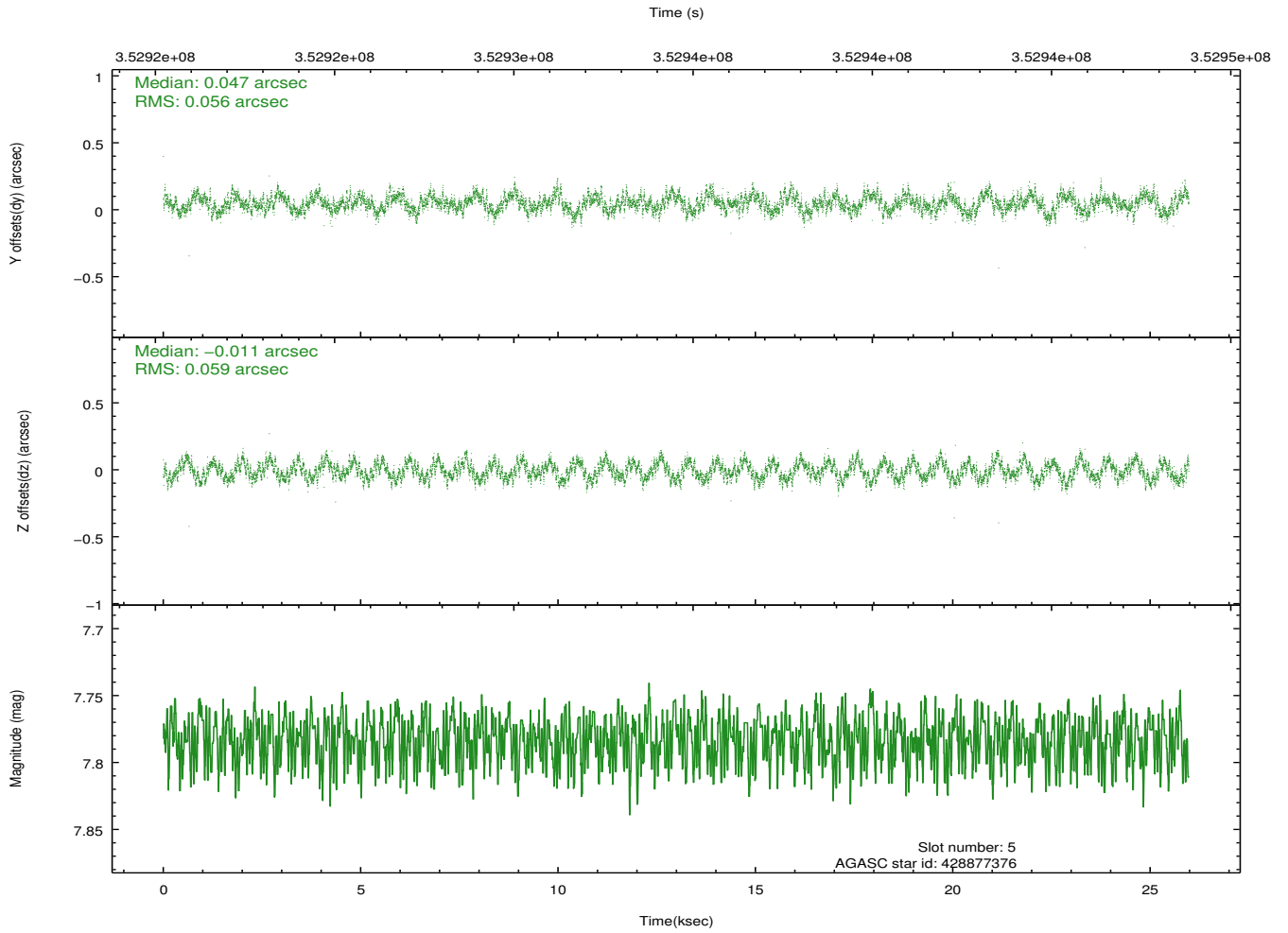
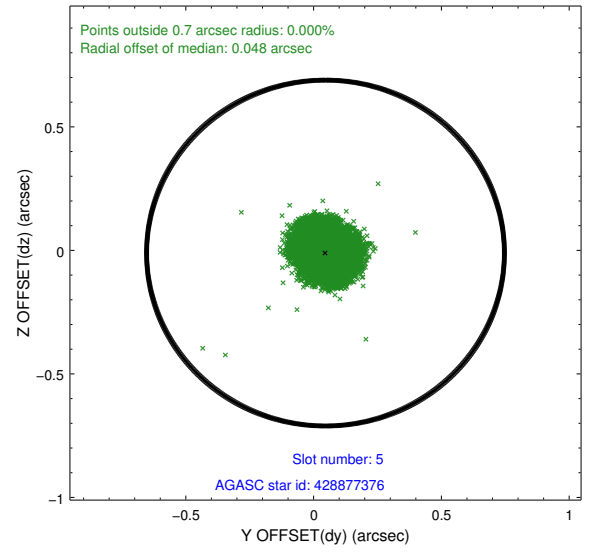
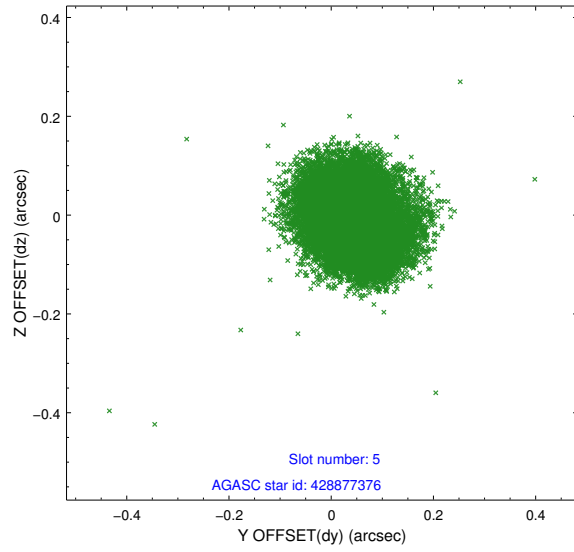
2.4.1 Slot 3



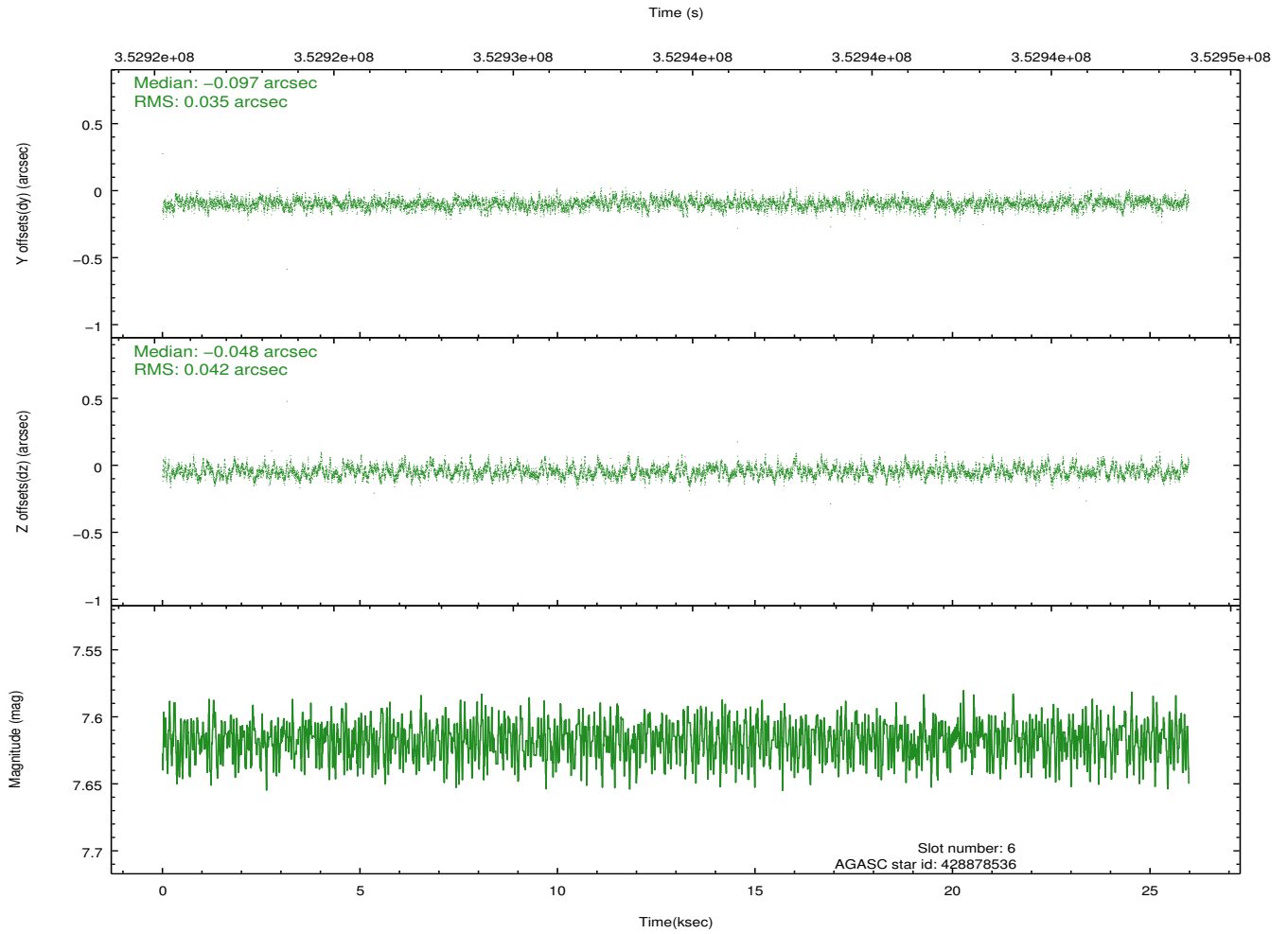
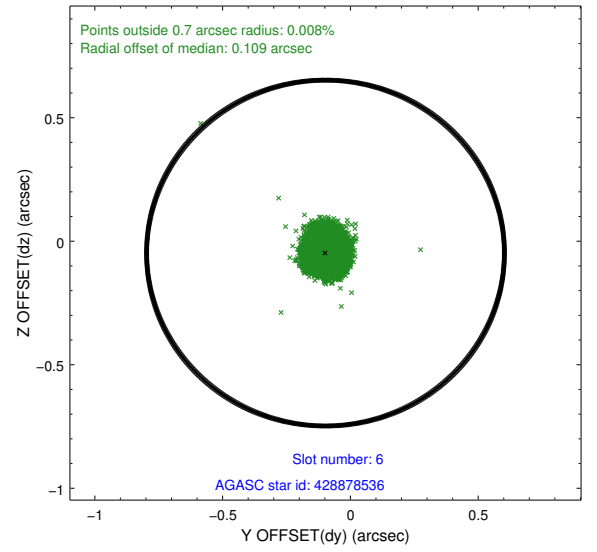
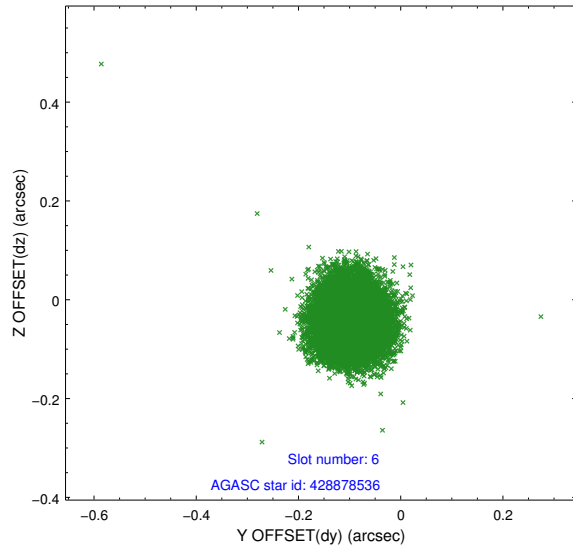
2.4.2 Slot 4



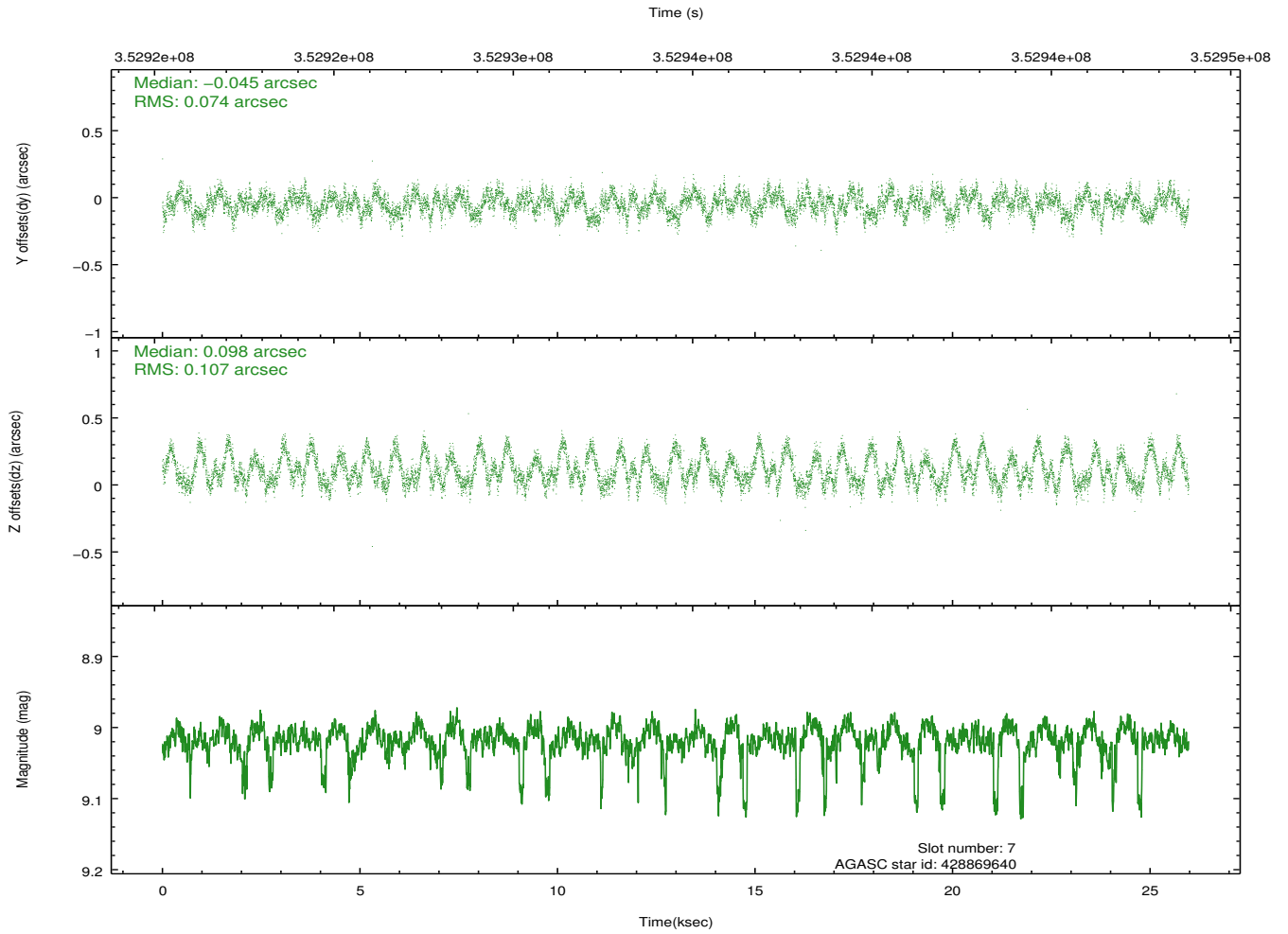
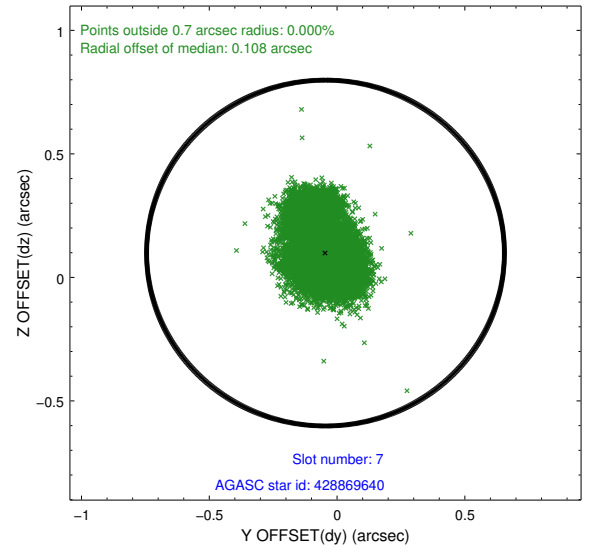
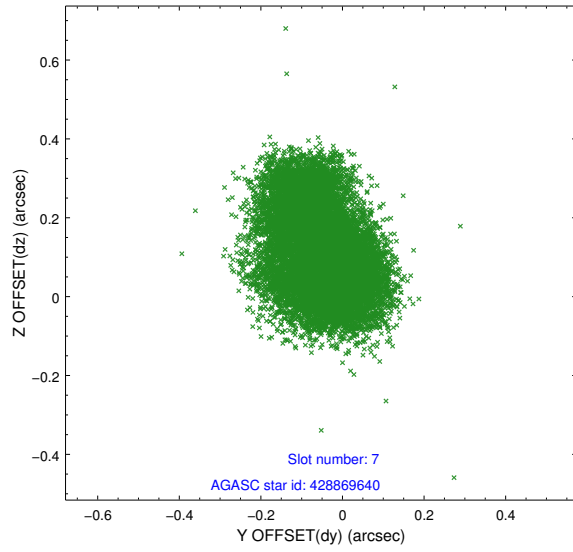
2.4.3 Slot 5



2.4.4 Slot 6

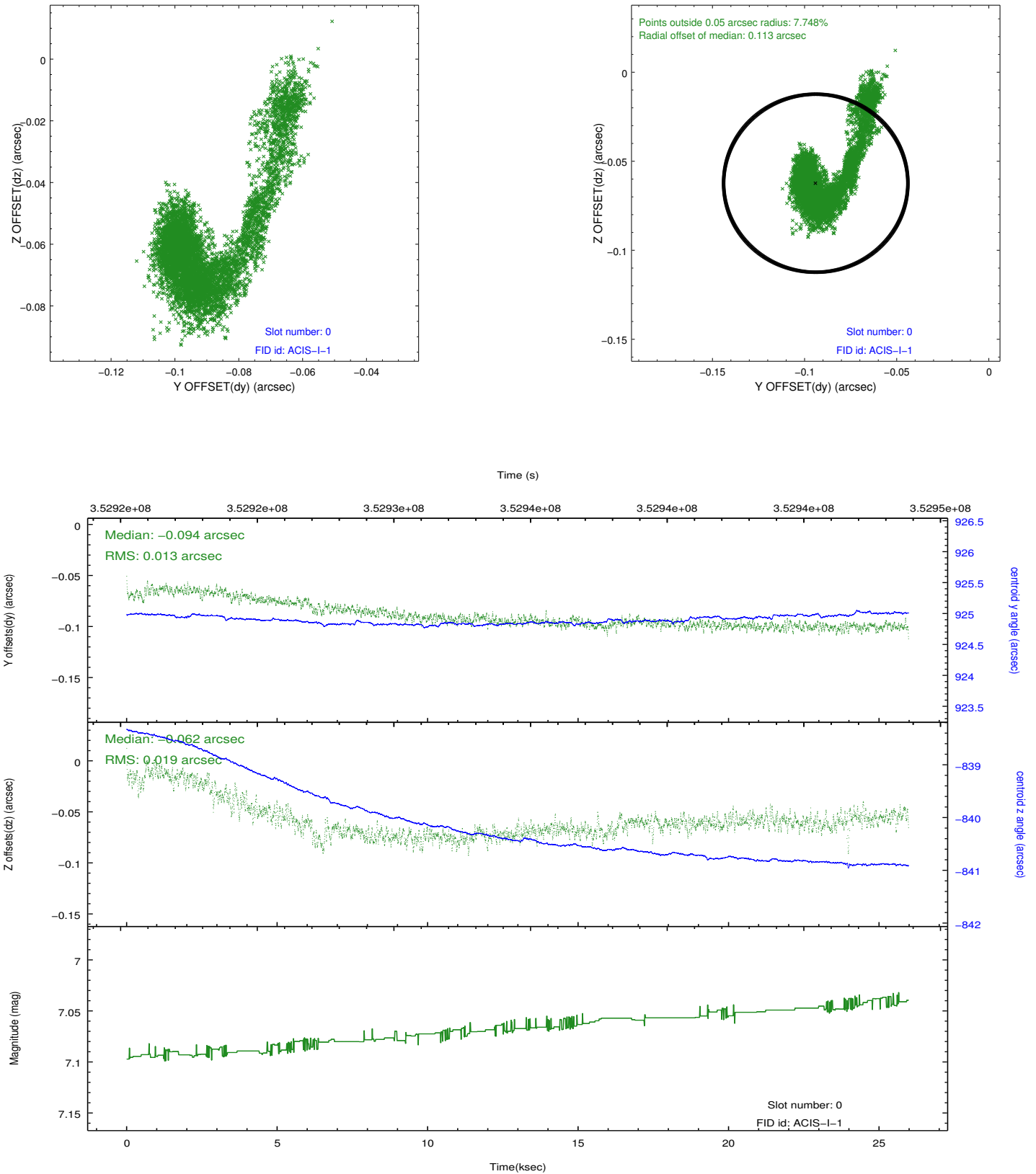


2.4.5 Slot 7

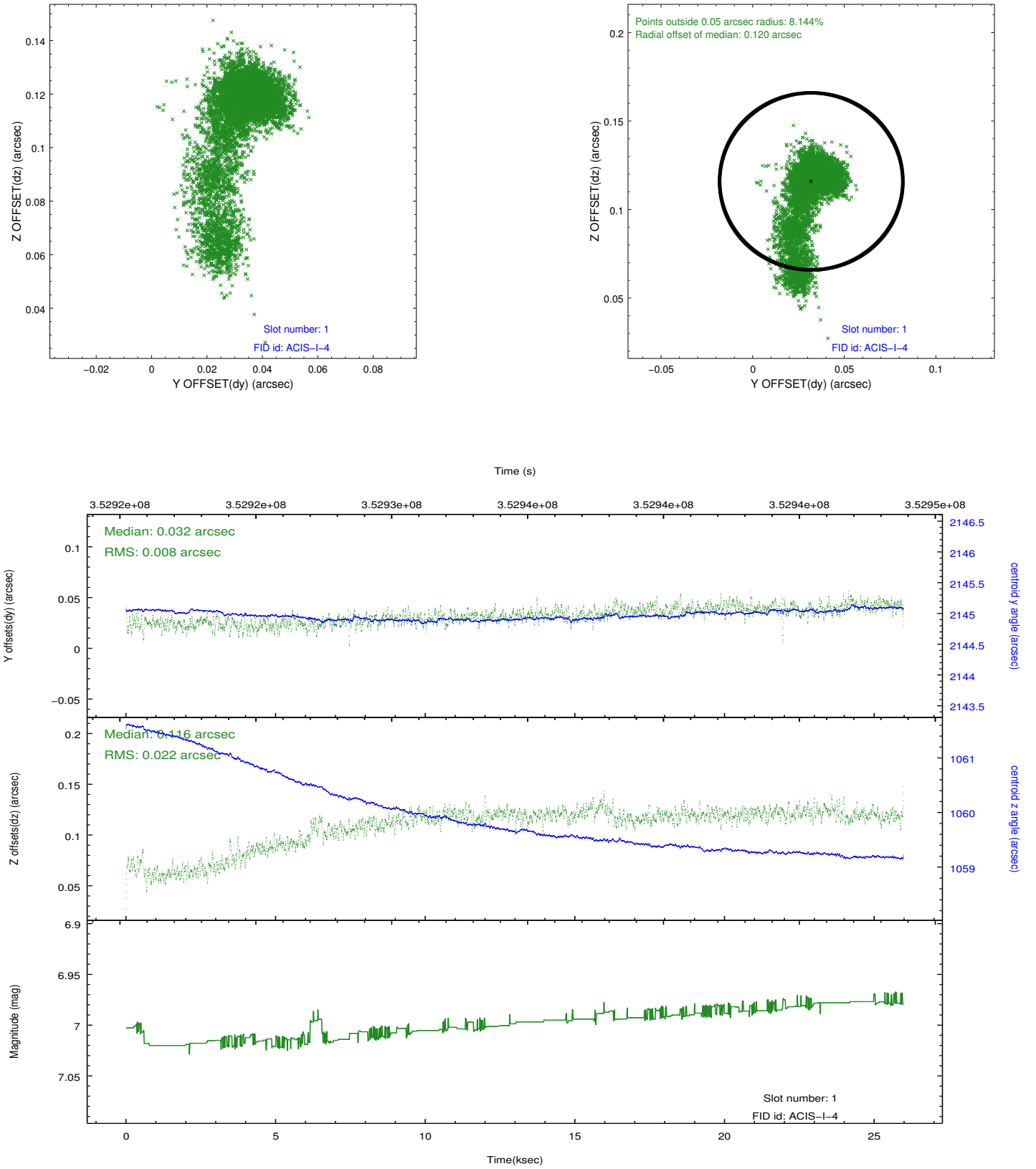


2.5 FID Slots

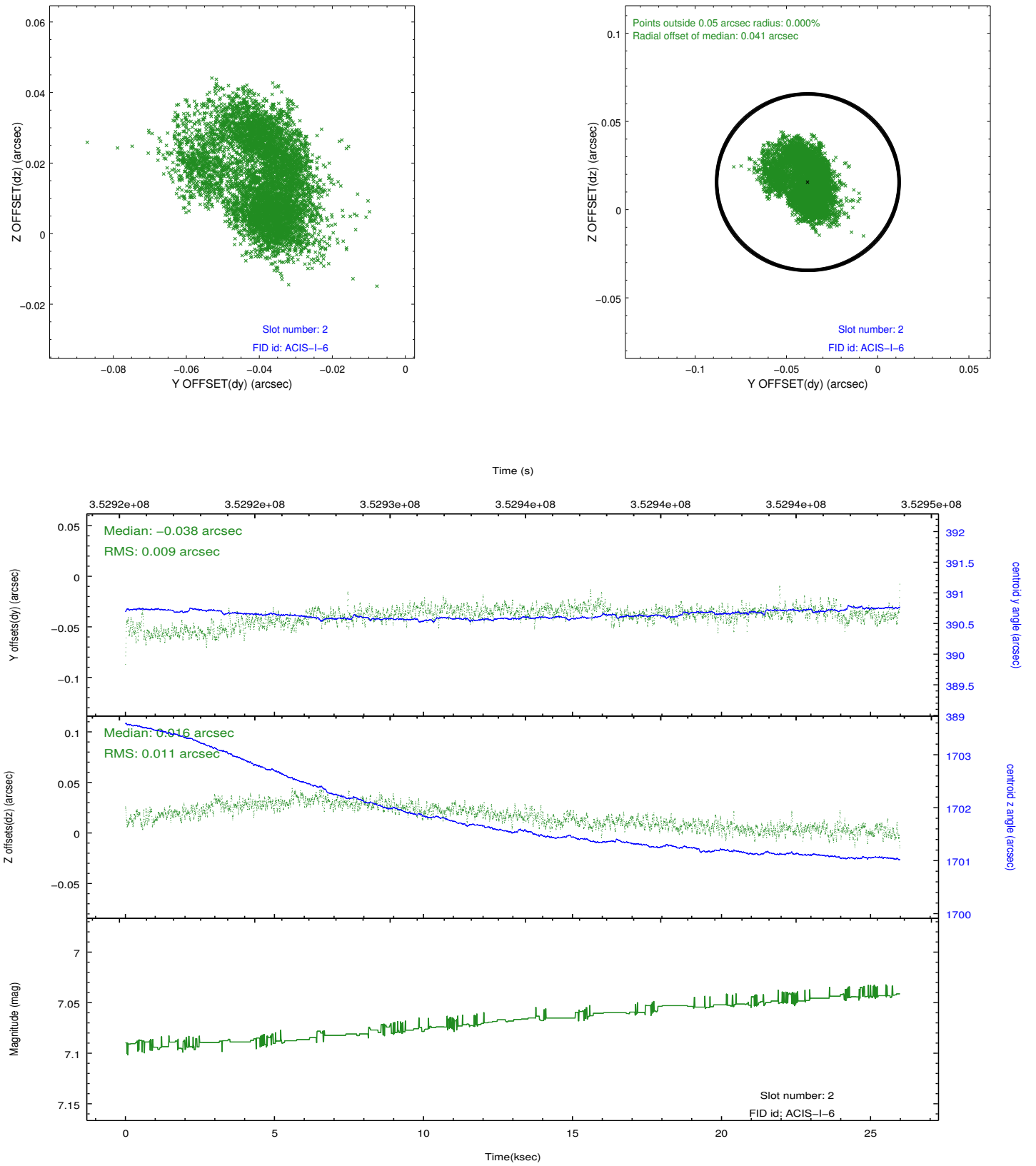
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.9686592

A.2 Comments

Joint Proposal: HST