

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9990 - L2 Version 2
Chandra X-Ray Center

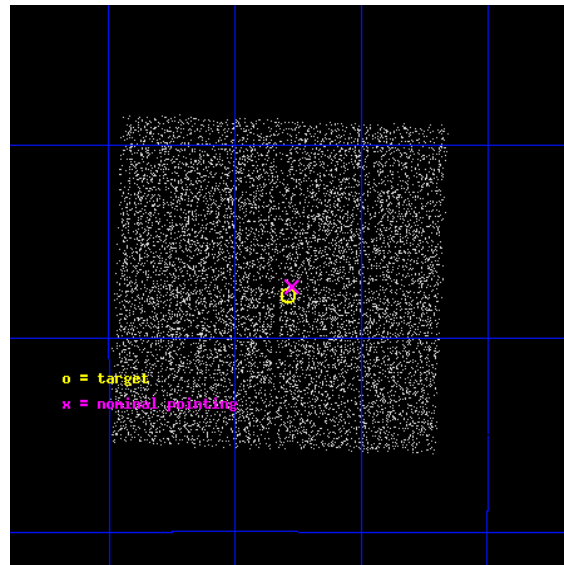
L2 Processing Date : Jun 1 2012

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

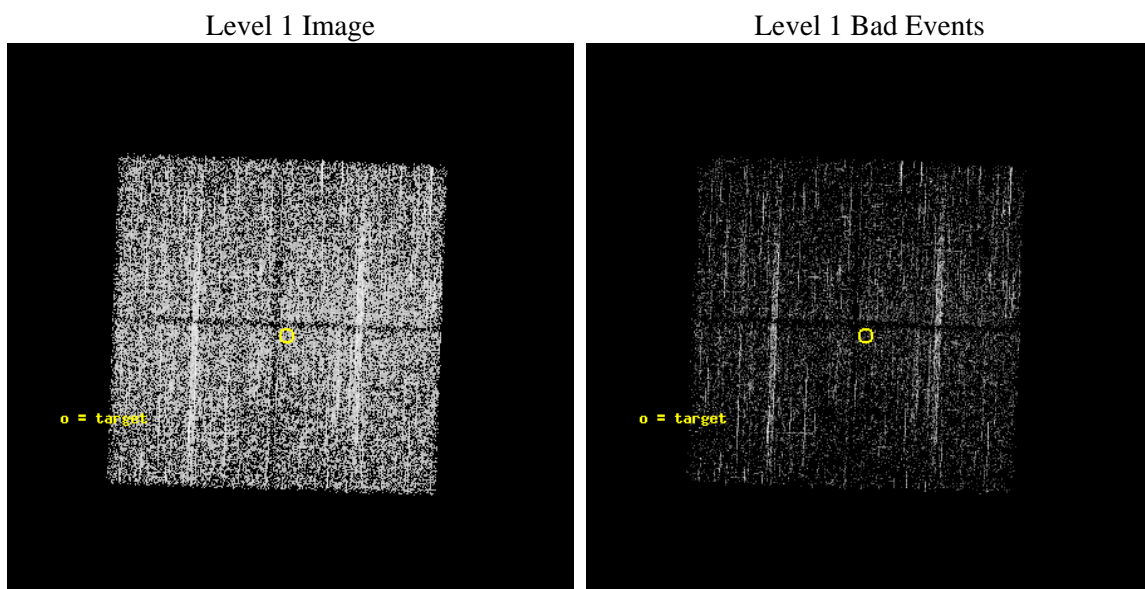
seq_num	400954	Sequence number
obs_id	9990	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.697	Observer's specified target RA [deg]
dec_targ	-28.130111	Observer's specified target Dec [deg]
ra_nom	264.69387194526	Nominal RA [deg]
dec_nom	-28.12240640299	Nominal Dec [deg]
roll_nom	92.094415342673	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
l2events	10865	Number of level 2 events



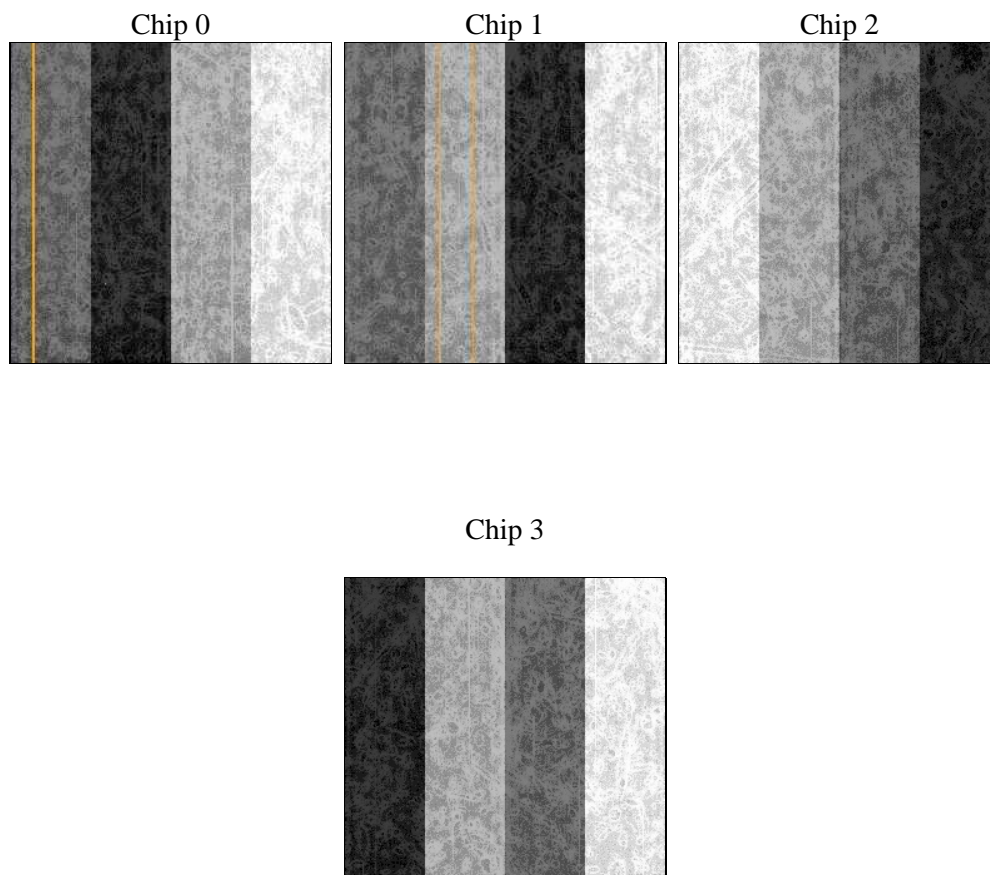
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-06-01T05:55:53	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			l1events	100145	Number of level 1 events

2.1.4 Events

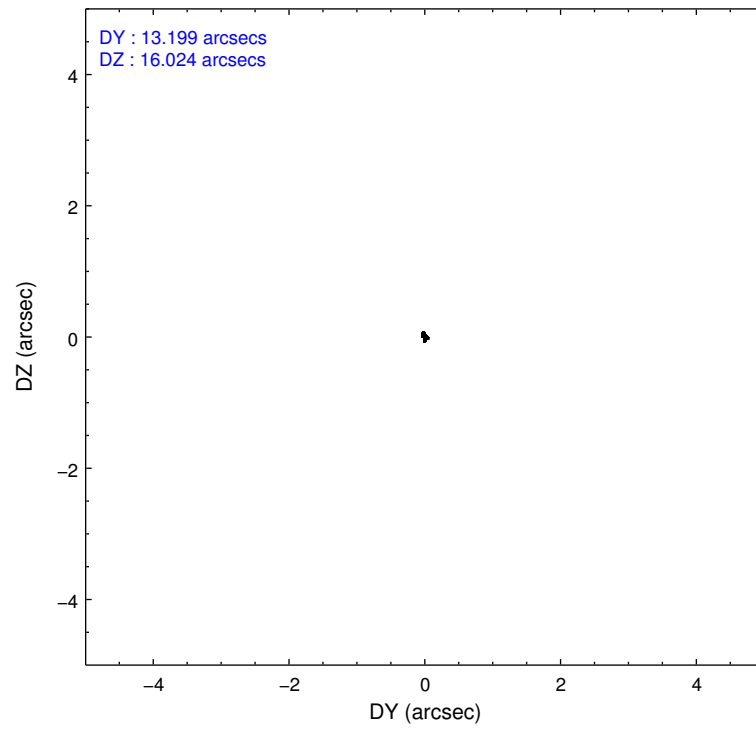
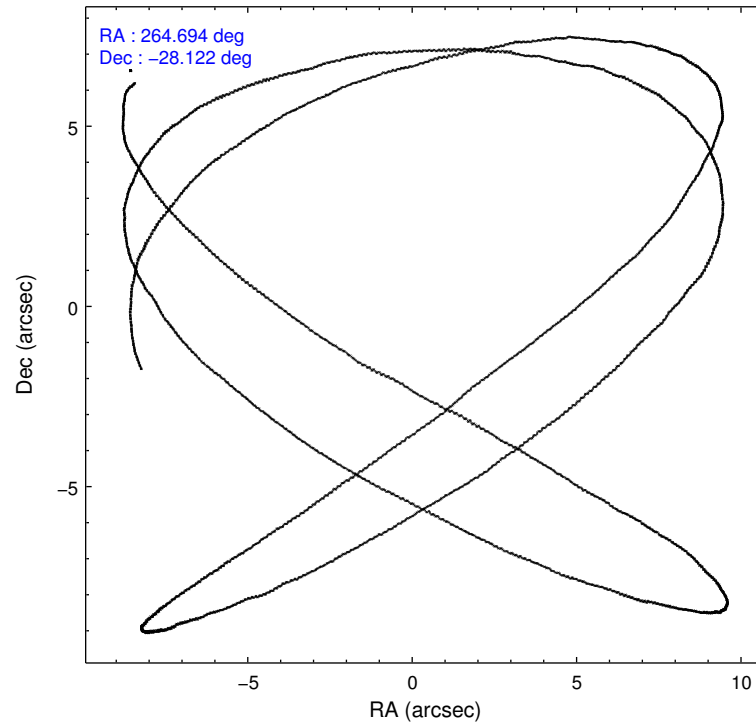
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24070	24949	27105	24021
rejected events	20902	21771	23898	21034
rejected %	86%	87%	88%	87%

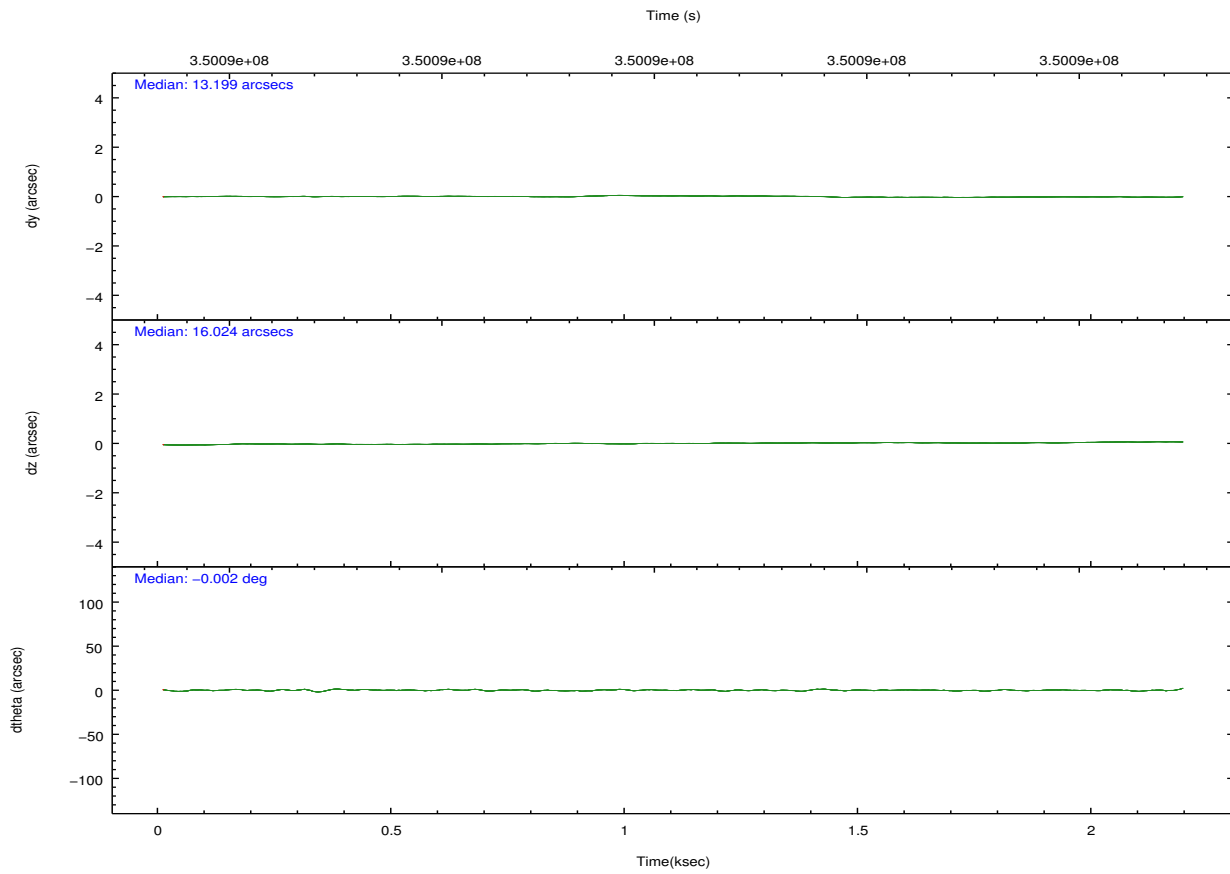
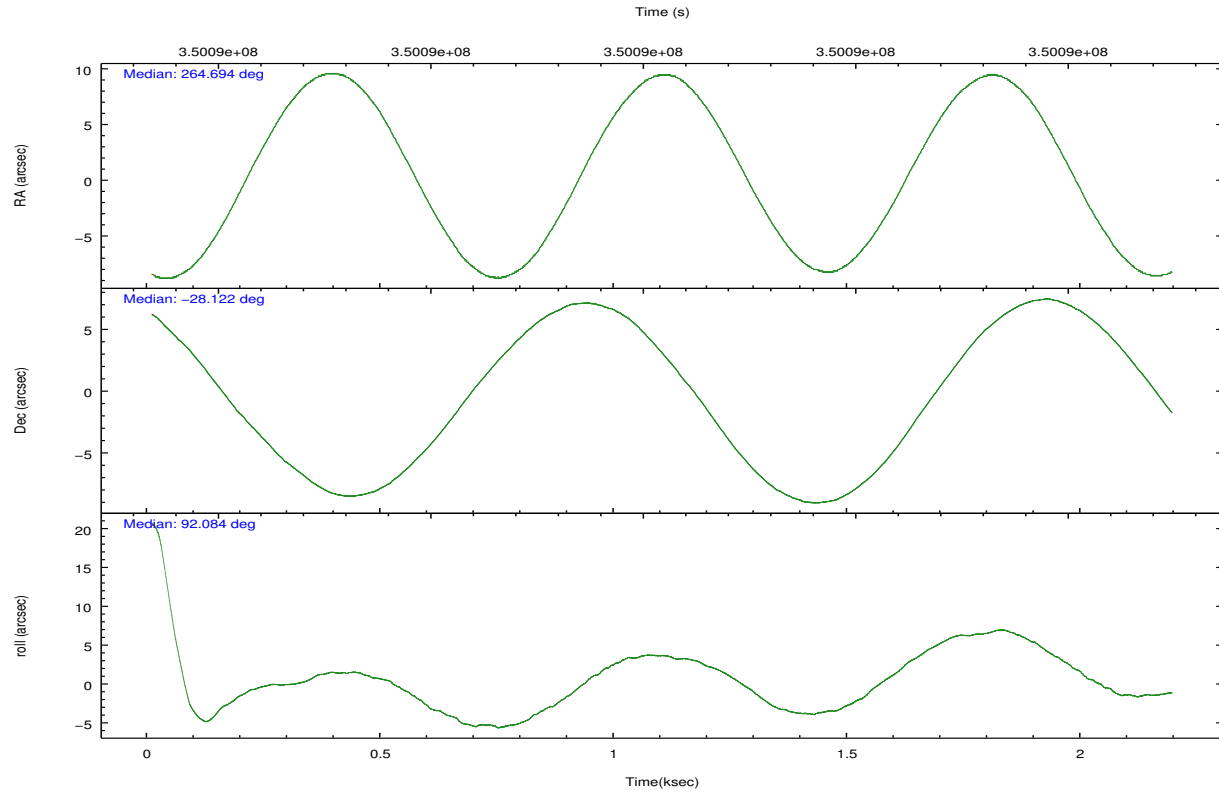
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1652	1559	1714	1560
	6%	6%	6%	6%
grade 1 events	19	16	20	19
	0%	0%	0%	0%
grade 2 events	756	835	729	659
	3%	3%	2%	2%
grade 3 events	291	350	309	312
	1%	1%	1%	1%
grade 4 events	290	290	306	312
	1%	1%	1%	1%
grade 5 events	1044	1138	1045	1179
	4%	4%	3%	4%
grade 6 events	613	650	571	572
	2%	2%	2%	2%
grade 7 events	19405	20111	22411	19408
	80%	80%	82%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.710632	264.6938719452596	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.145720	-28.12240640298985	Alternating exposures requested	N	N
[deg] Pointing Roll	91.893495	92.0944153426727	[s] Primary exposure time	0.000000	3.1
[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)	350089638.184000	350089262.08041			
Observation start date	2009-02-03T23:06:12	2009-02-03T23:01:02			
[s] Observation end time (MET)	350091638.184000	350091772.30553			
Observation end date	2009-02-03T23:39:32	2009-02-03T23:42:52			
Read mode	TIMED	TIMED			

2.3 Aspect



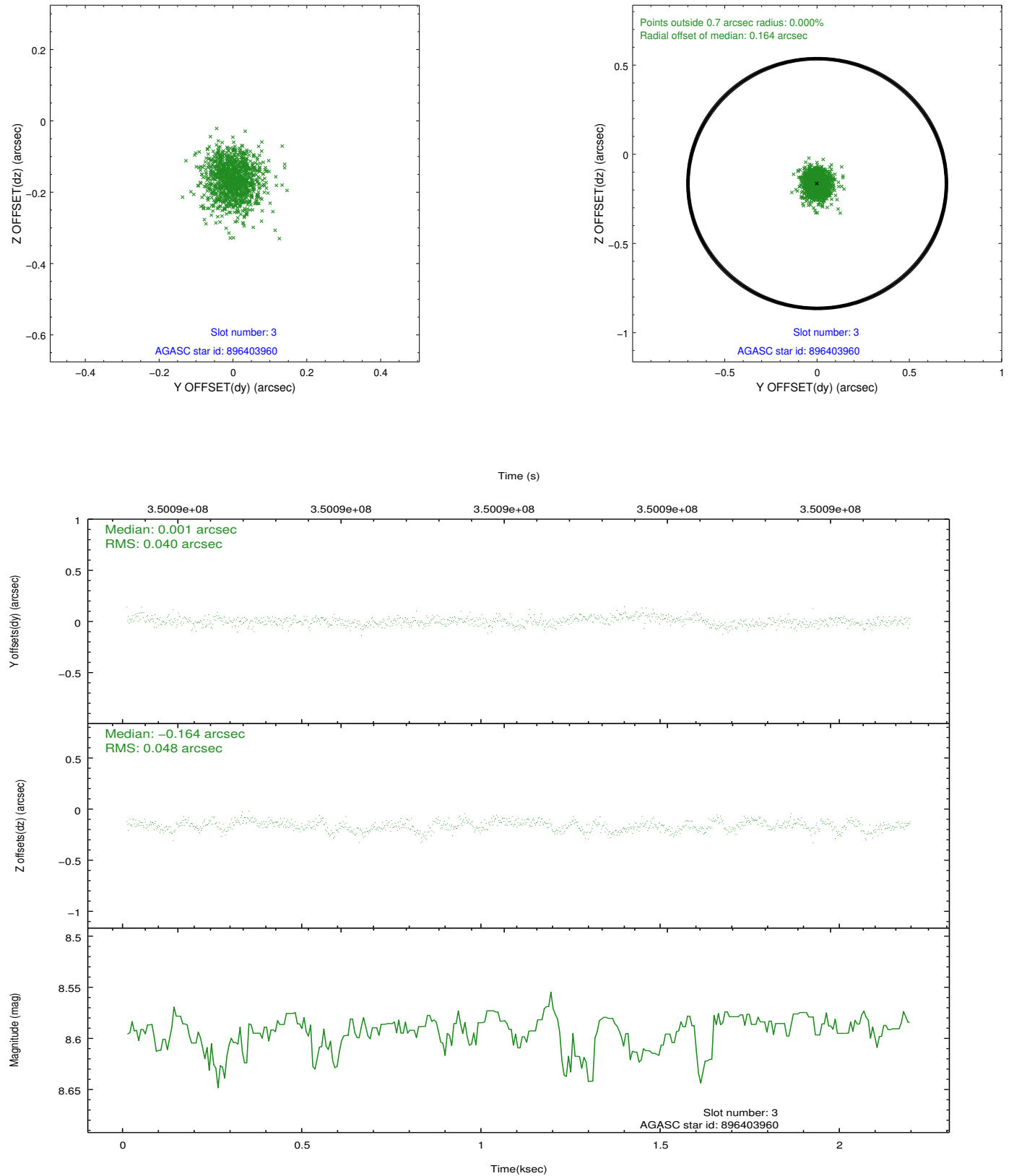


Slot Statistics

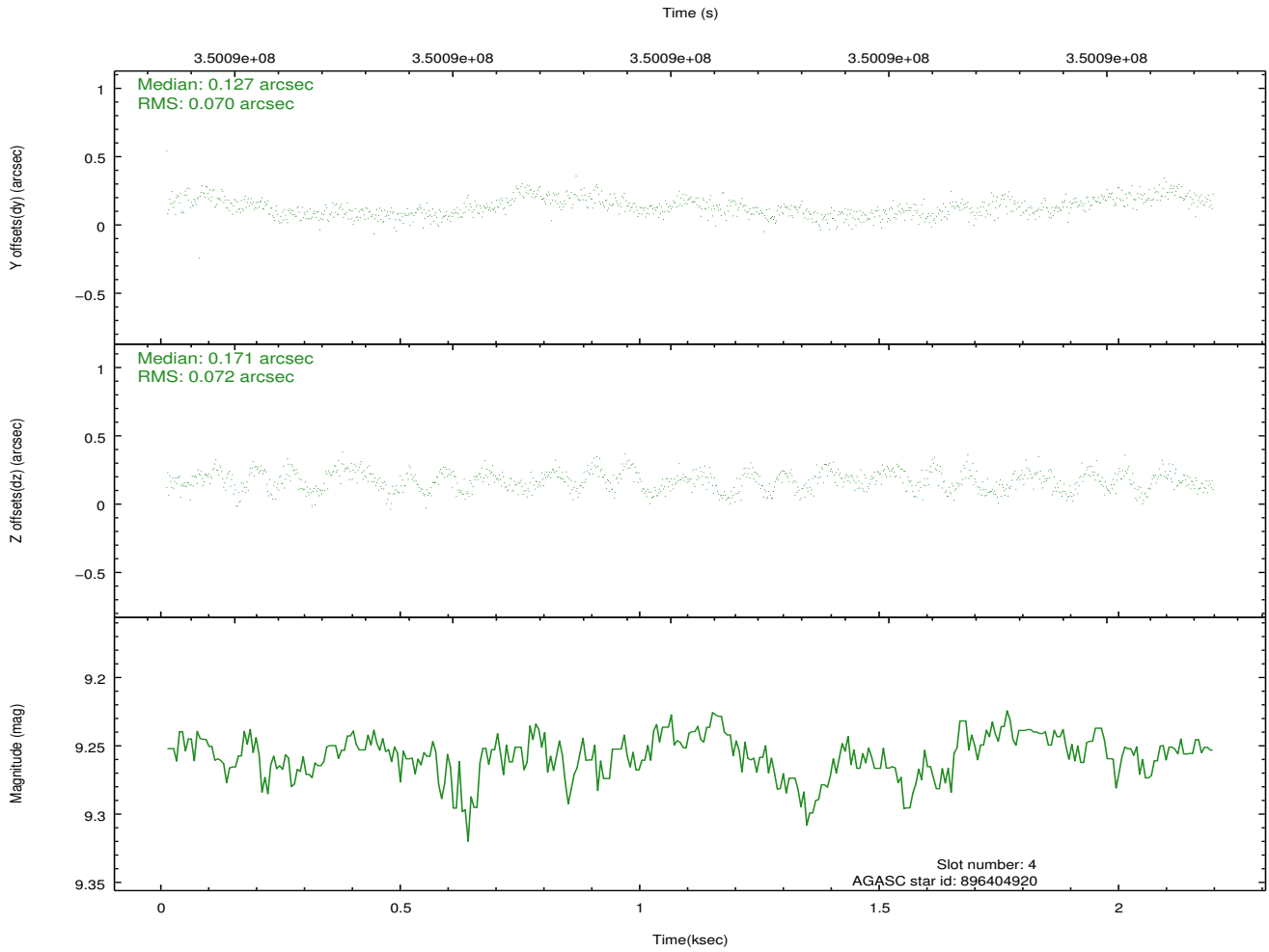
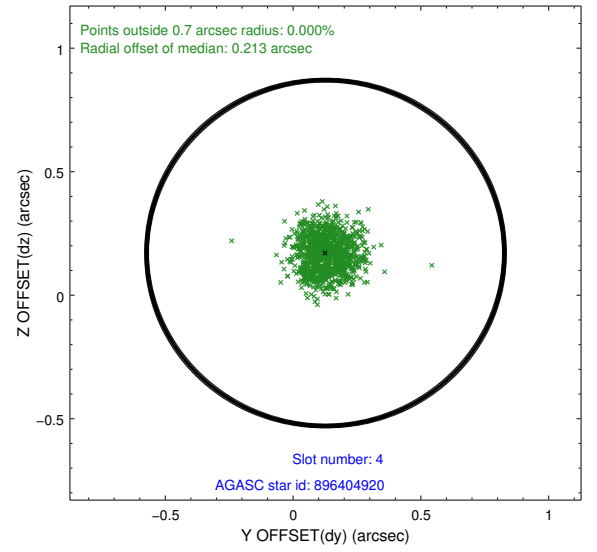
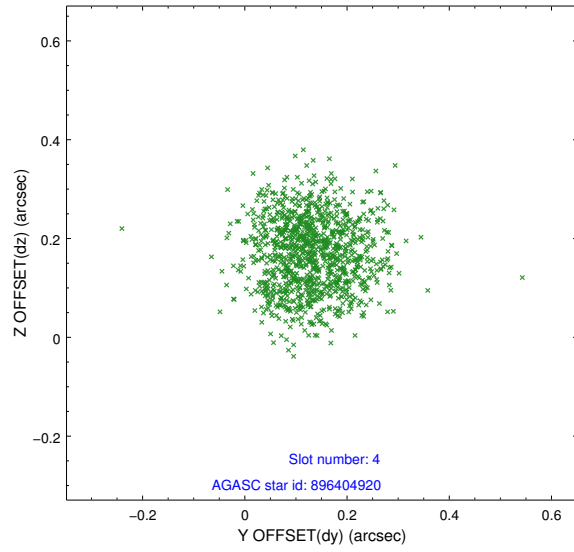
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	6.93	534	0.144	0.042	0.007	0.013	0.000000	0.000000	2146.41	1060.27
1	FID	ACIS-I-5	7.00	534	-0.248	0.032	0.006	0.010	0.000000	0.000000	-1818.11	1059.93
2	FID	ACIS-I-6	7.00	534	0.005	-0.007	0.008	0.013	0.000000	0.000000	388.62	1704.22
3	GUIDE	896403960	8.59	1067	0.001	-0.164	0.066	0.109	264.379044	-28.245612	-326.28	1062.69
4	GUIDE	896404920	9.26	1067	0.127	0.171	0.109	0.165	265.376720	-28.540478	-1495.58	-2057.40
5	GUIDE	896405616	7.85	1067	0.053	0.012	0.067	0.108	264.752771	-28.412560	-966.51	-103.05
6	GUIDE	896405976	9.09	1064	0.119	-0.279	0.077	0.122	264.638127	-28.604395	-1643.63	282.92
7	GUIDE	895878768	9.45	1066	-0.301	0.260	0.119	0.190	265.418353	-27.906654	777.86	-2277.86

2.4 Star Slots

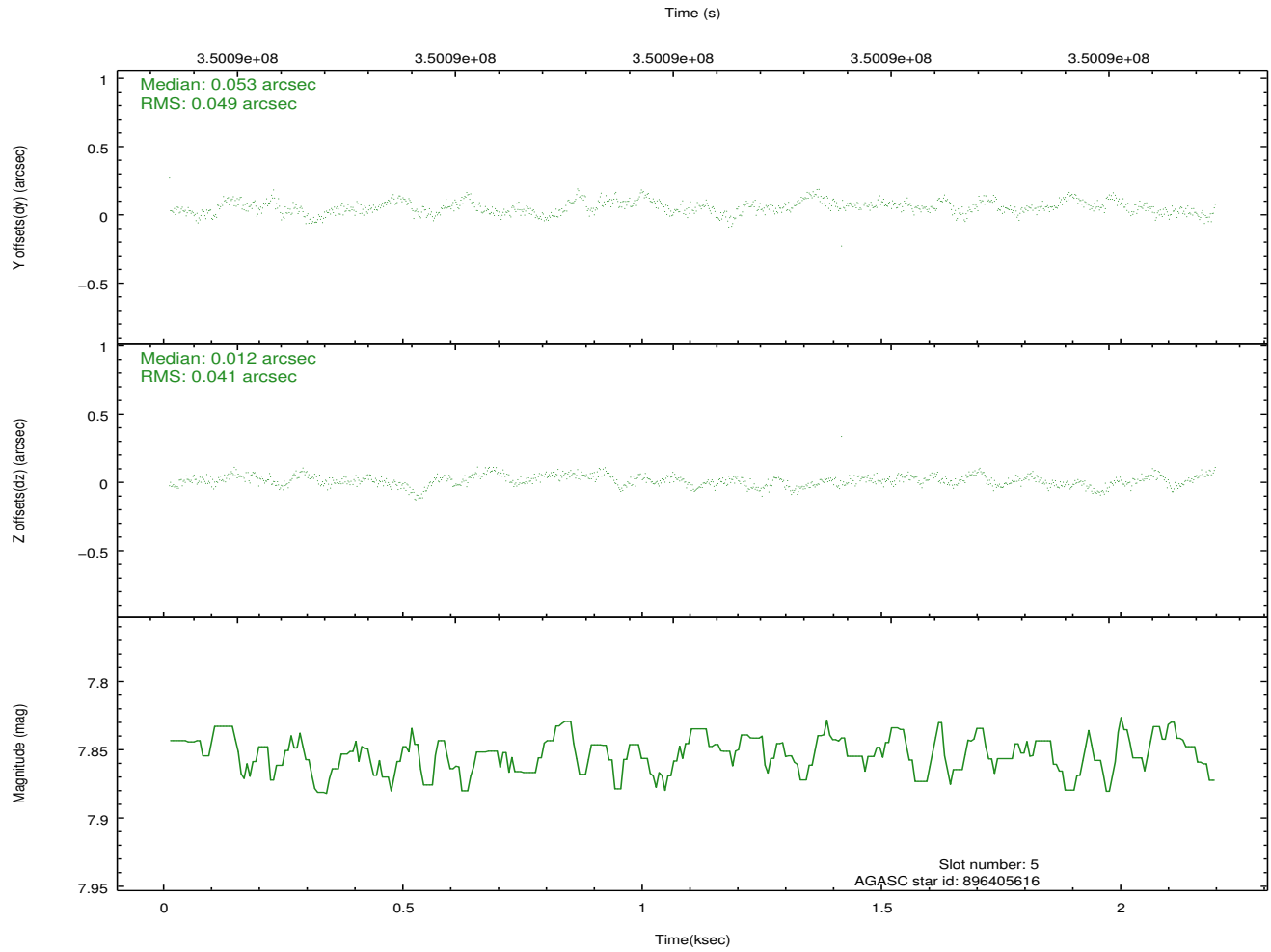
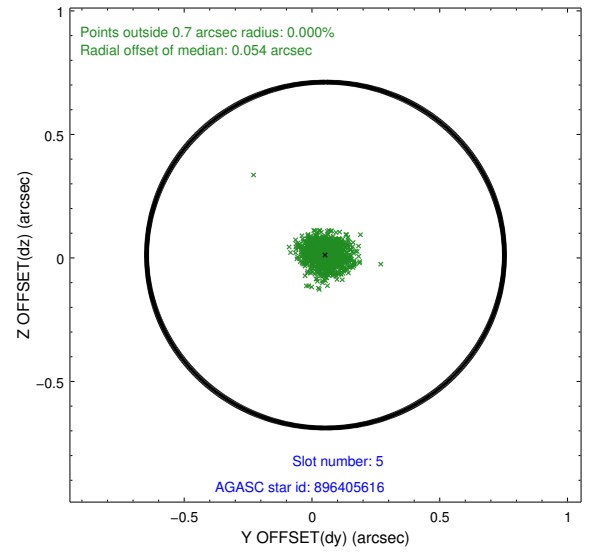
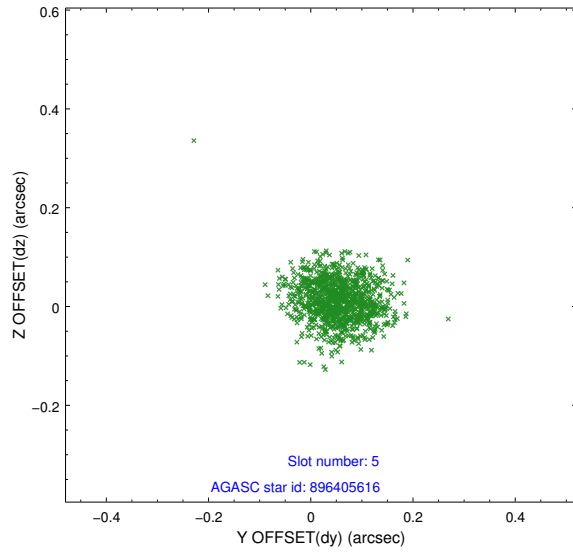
2.4.1 Slot 3



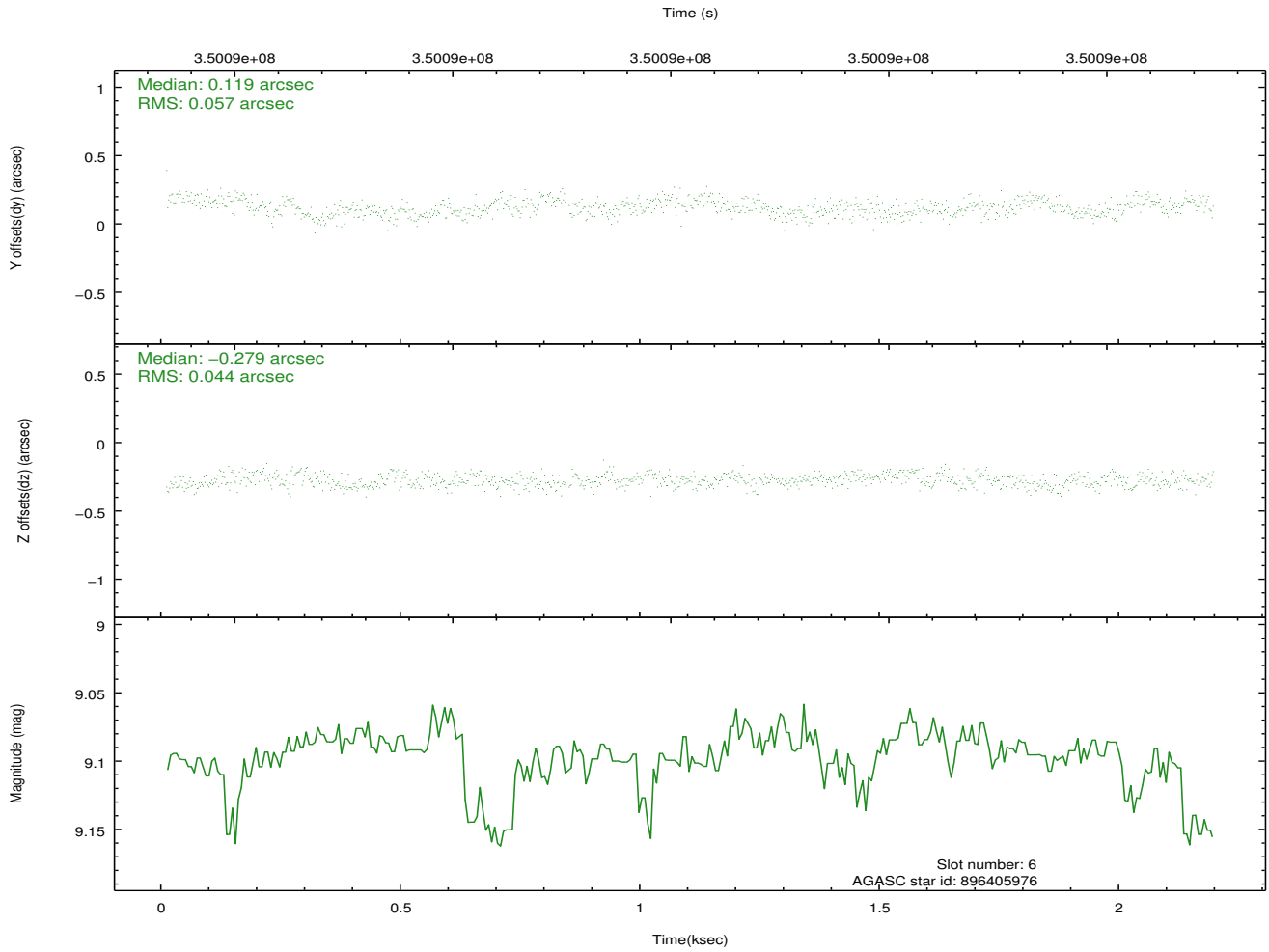
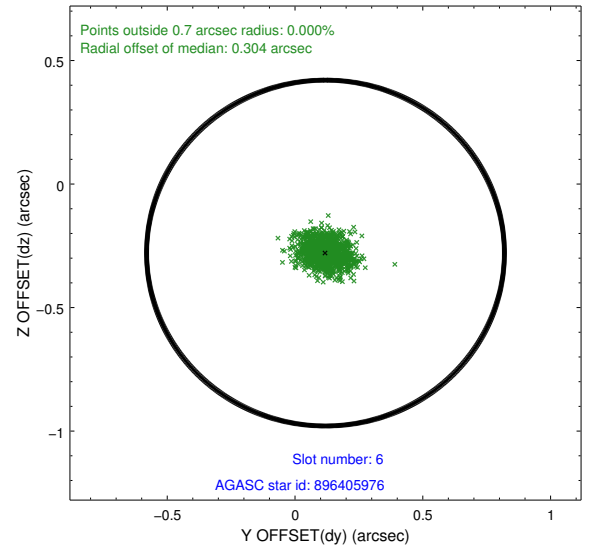
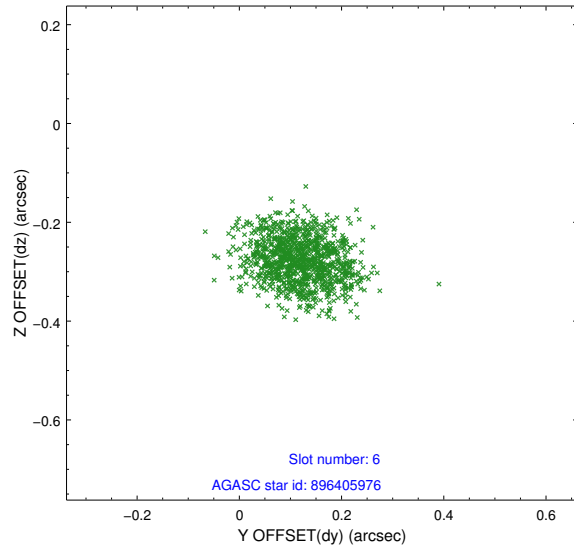
2.4.2 Slot 4



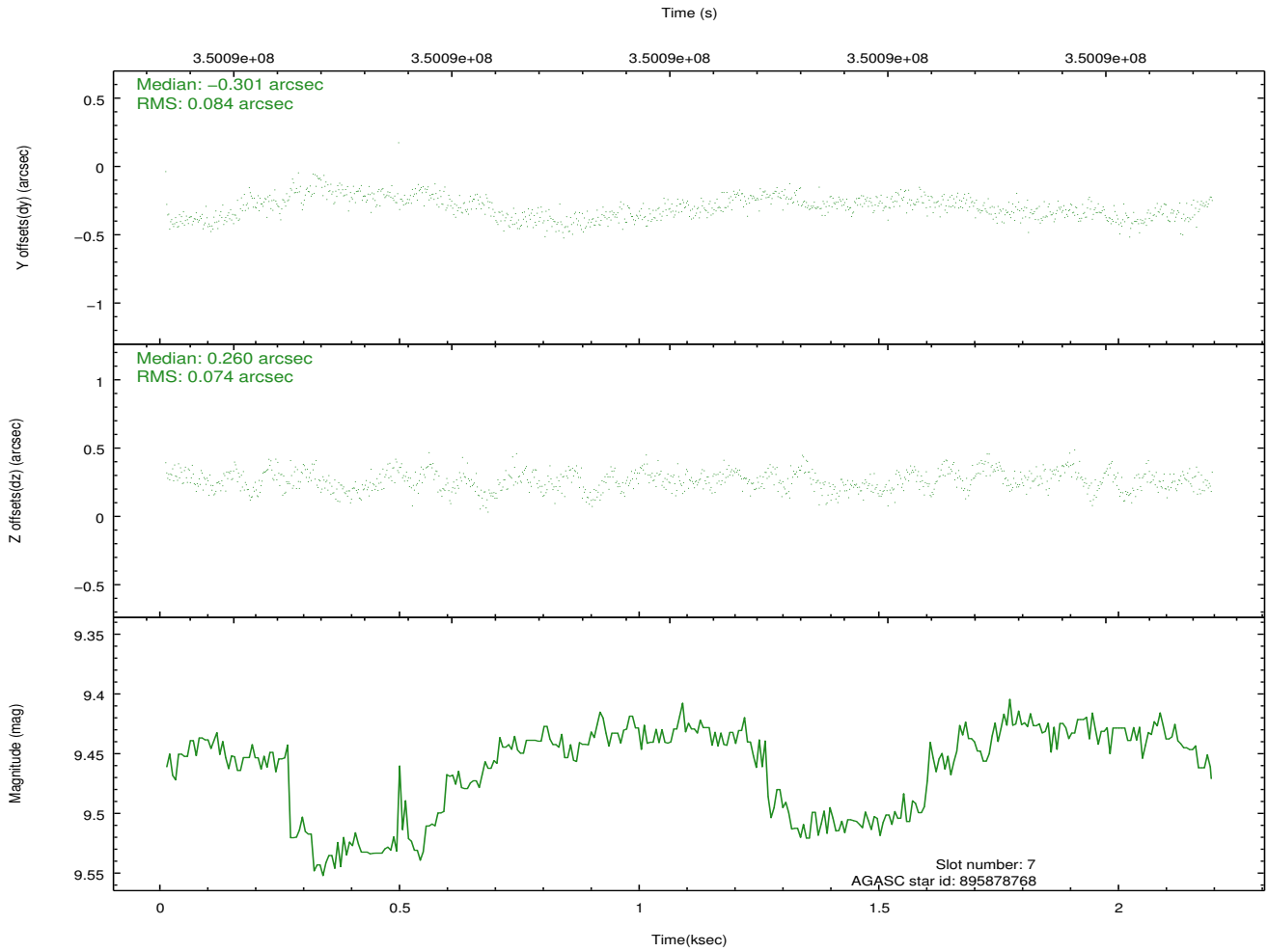
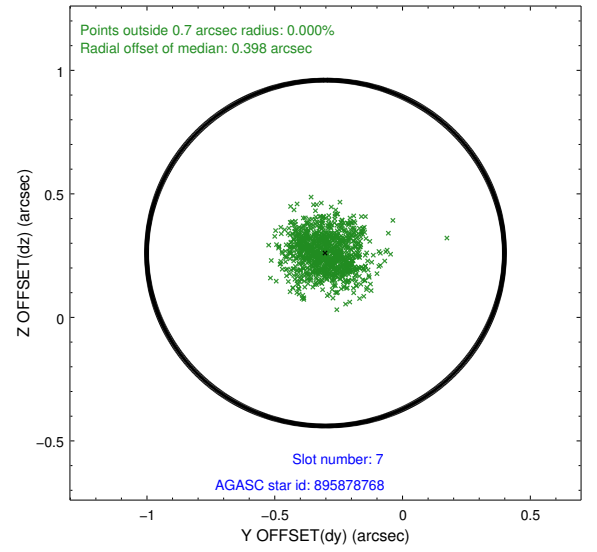
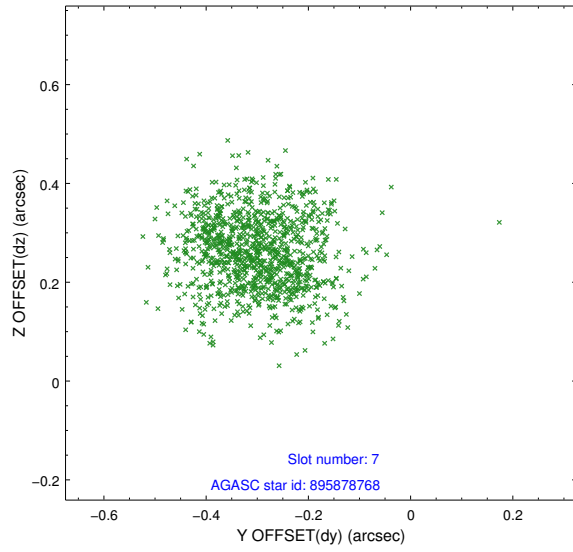
2.4.3 Slot 5



2.4.4 Slot 6

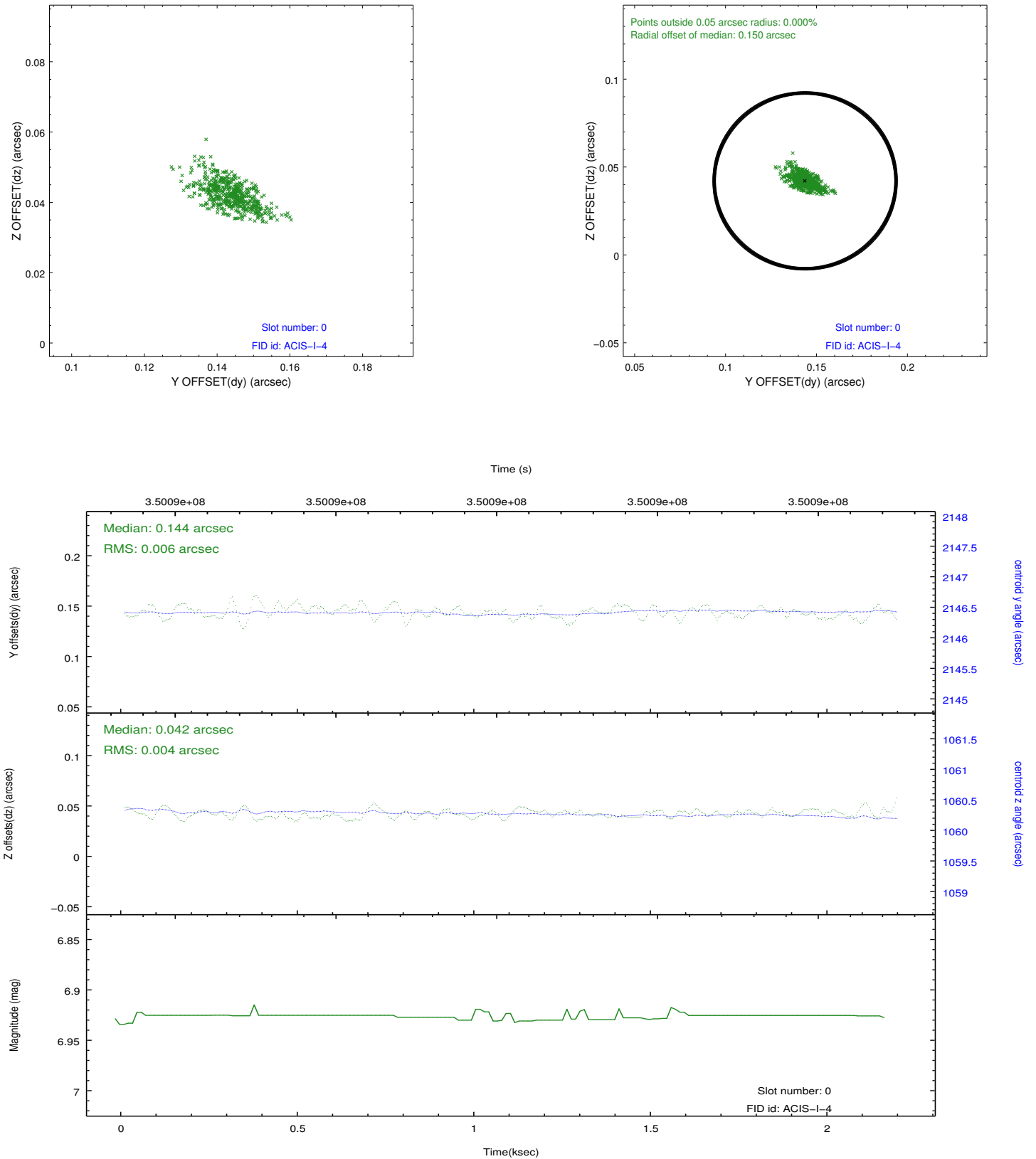


2.4.5 Slot 7

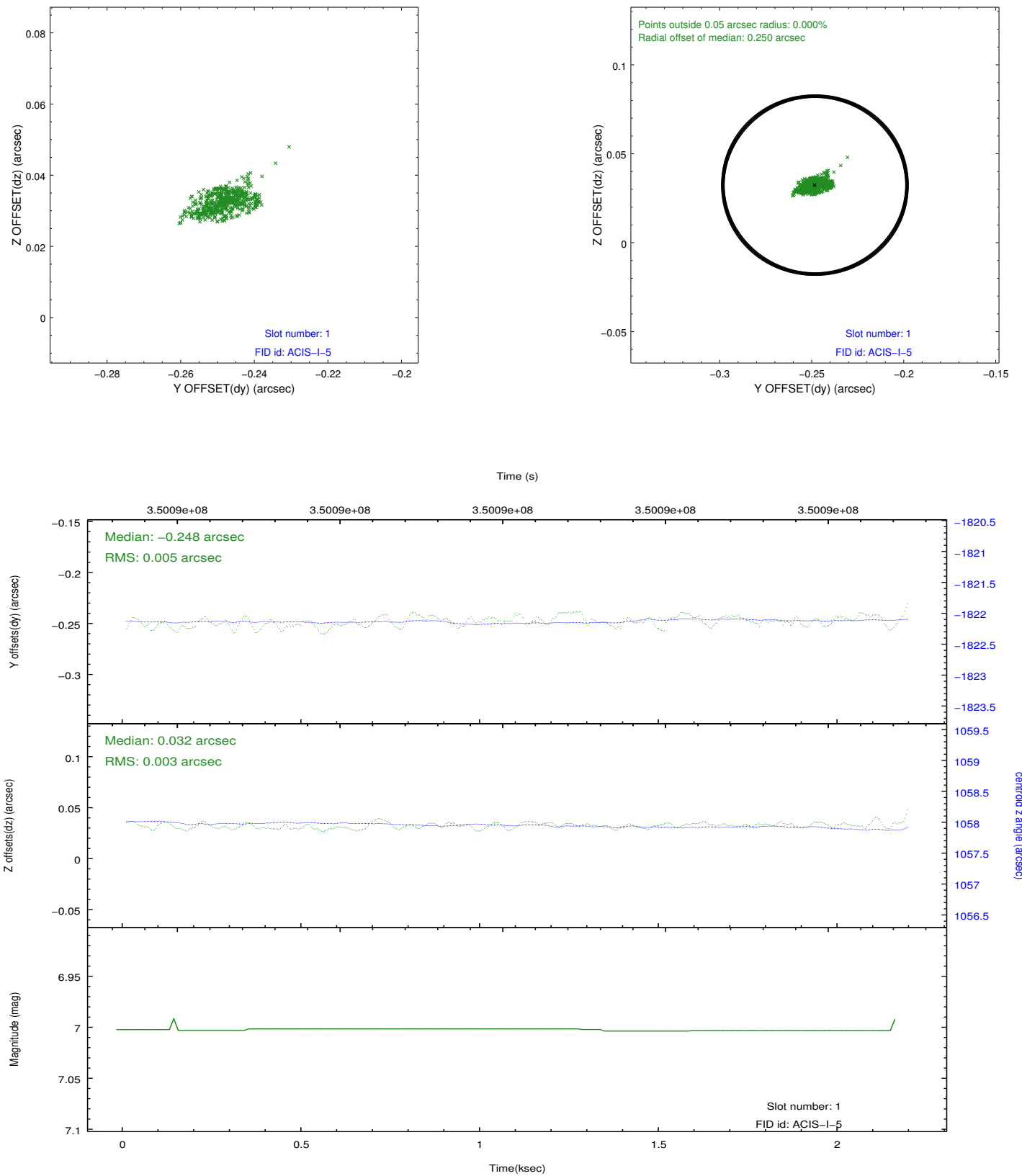


2.5 FID Slots

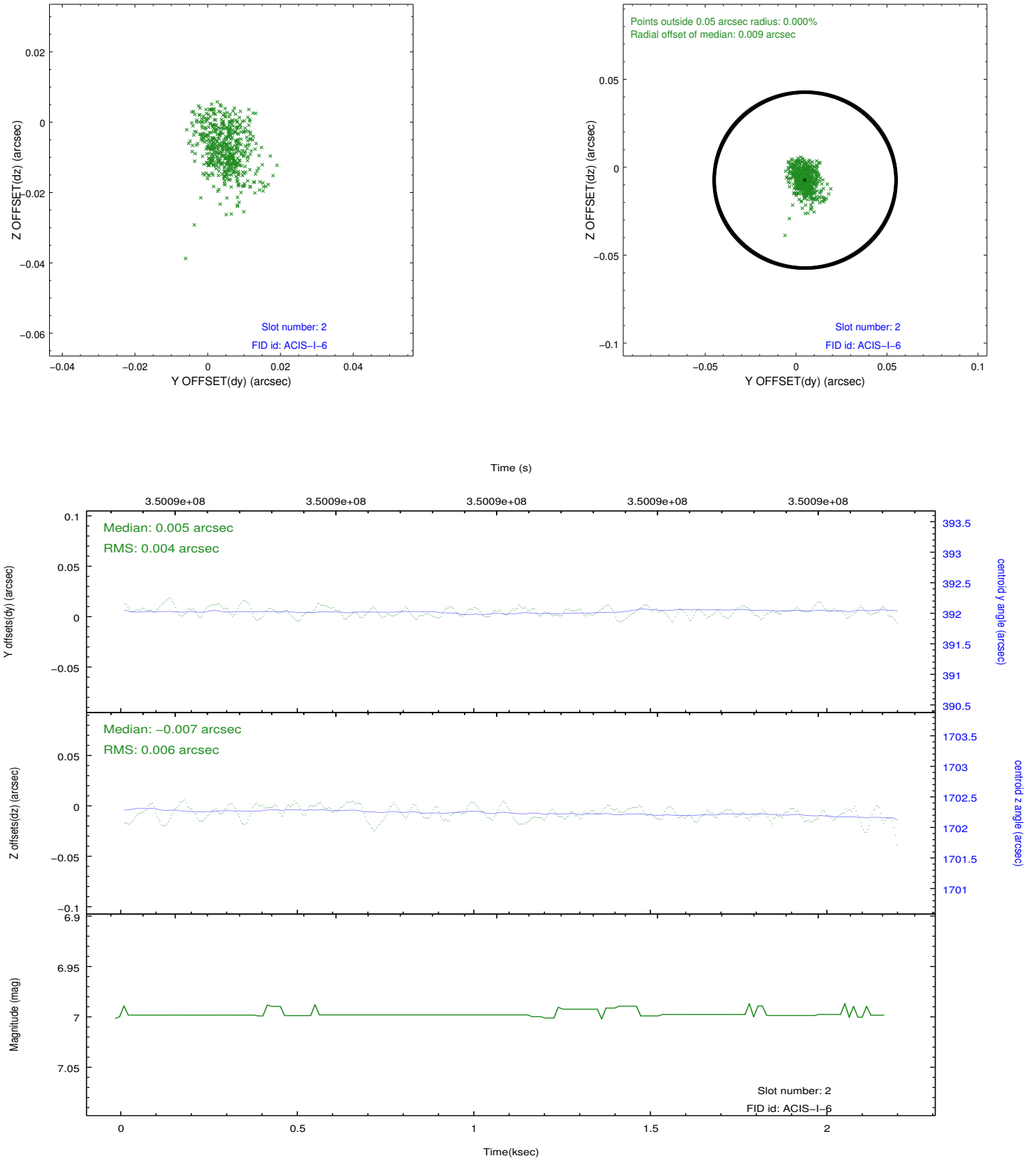
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments

Joint Proposal: NOAO