

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8715 - L2 Version 2
Chandra X-Ray Center

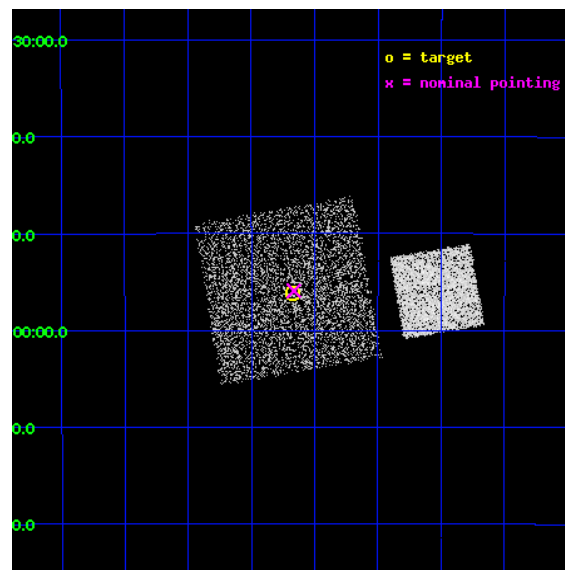
L2 Processing Date : May 14 2012

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

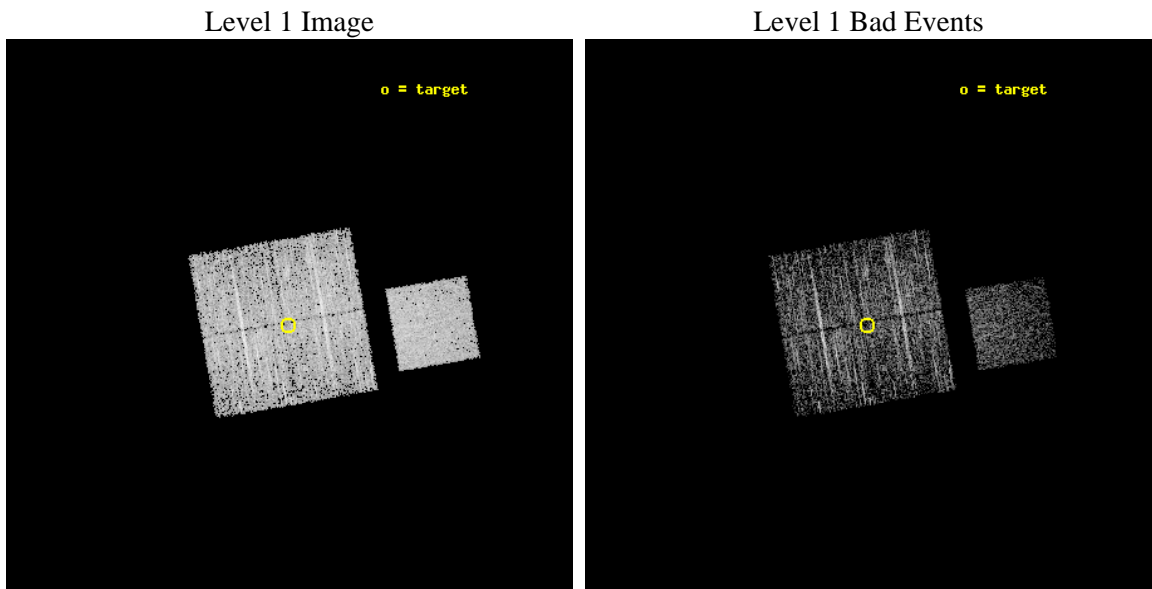
seq_num	400766	Sequence number
obs_id	8715	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.542912	Observer's specified target RA [deg]
dec_targ	-27.936719	Observer's specified target Dec [deg]
ra_nom	268.54099337	Nominal RA [deg]
dec_nom	-27.932126123006	Nominal Dec [deg]
roll_nom	80.207803221283	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]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15407	Number of level 2 events



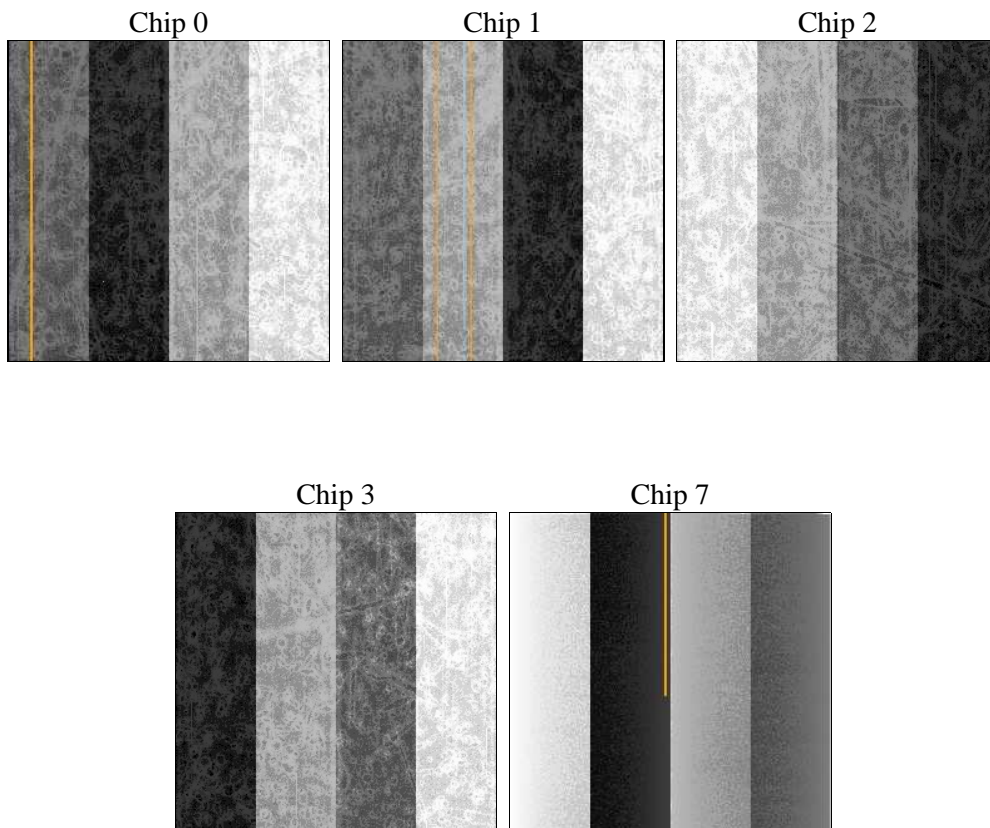
2 OBI

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	2012-05-14T23:22:05	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]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	101031	Number of level 1 events

2.1.4 Events

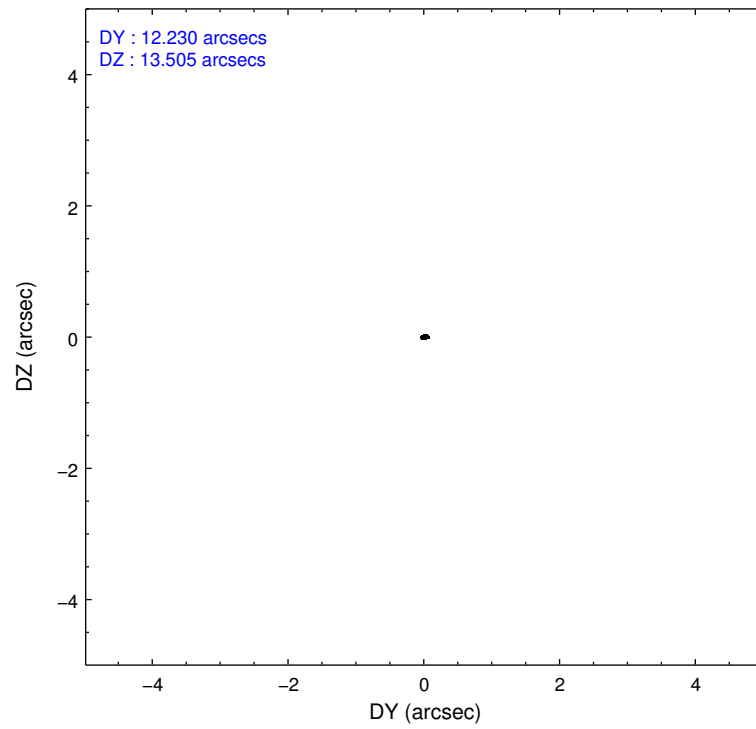
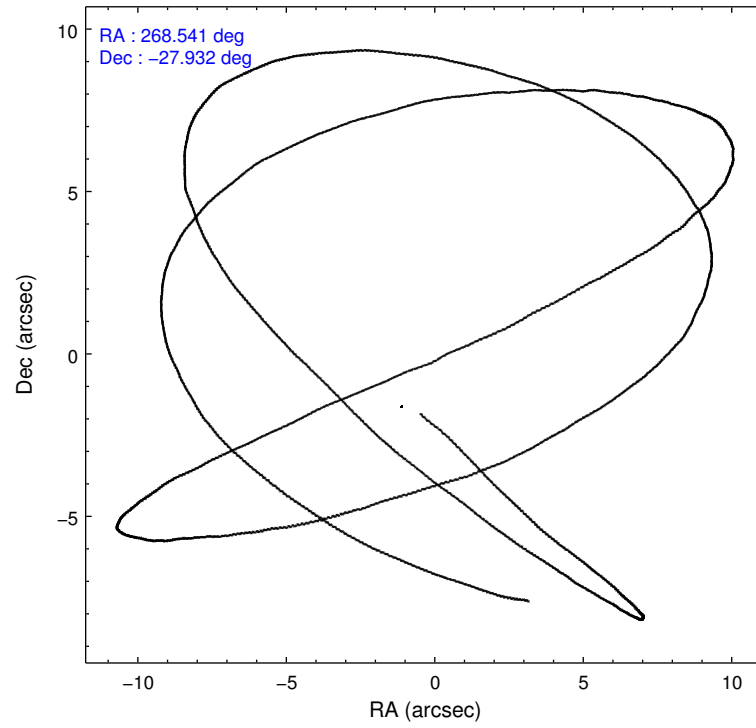
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18955	19659	20798	18873	22746
rejected events	16977	17563	18860	16990	13616
rejected %	89%	89%	90%	90%	59%

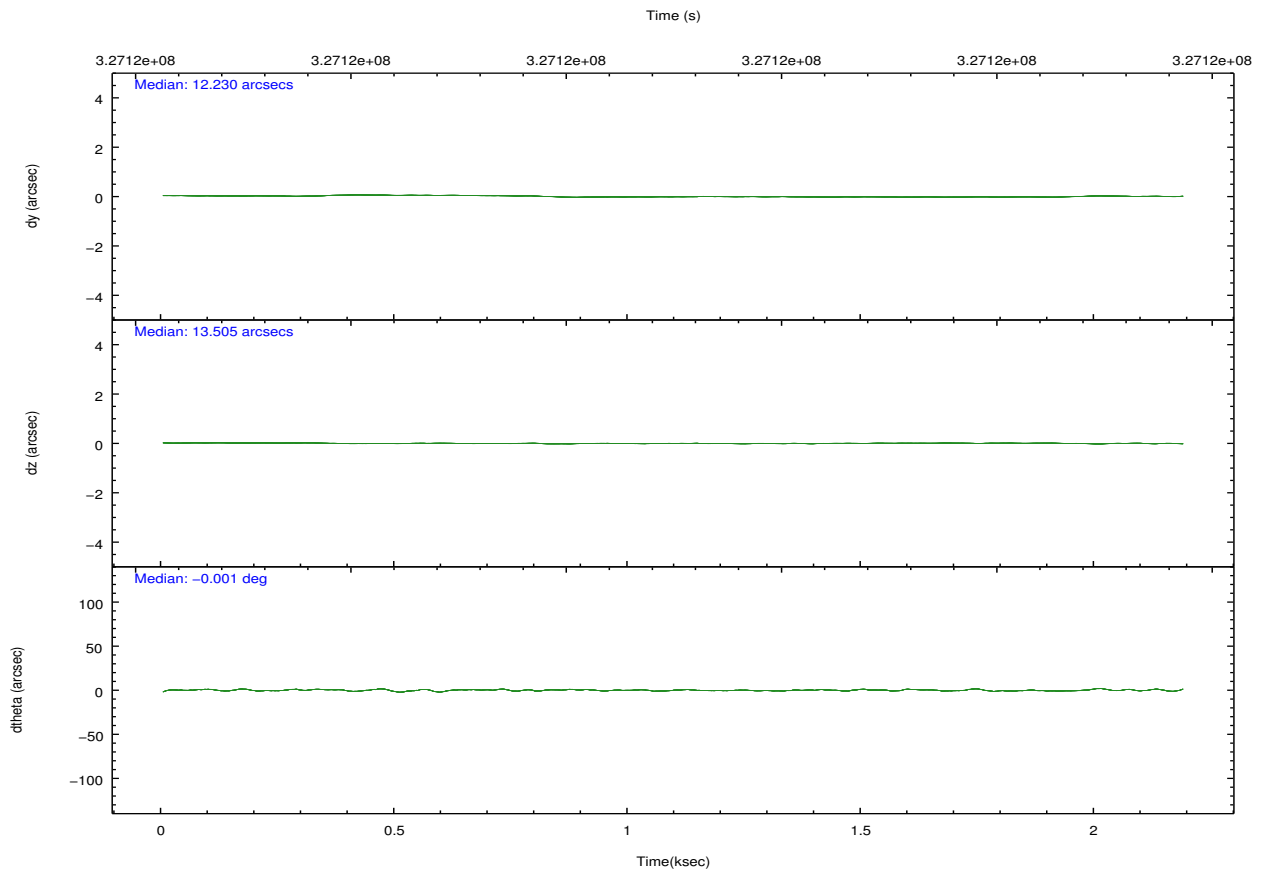
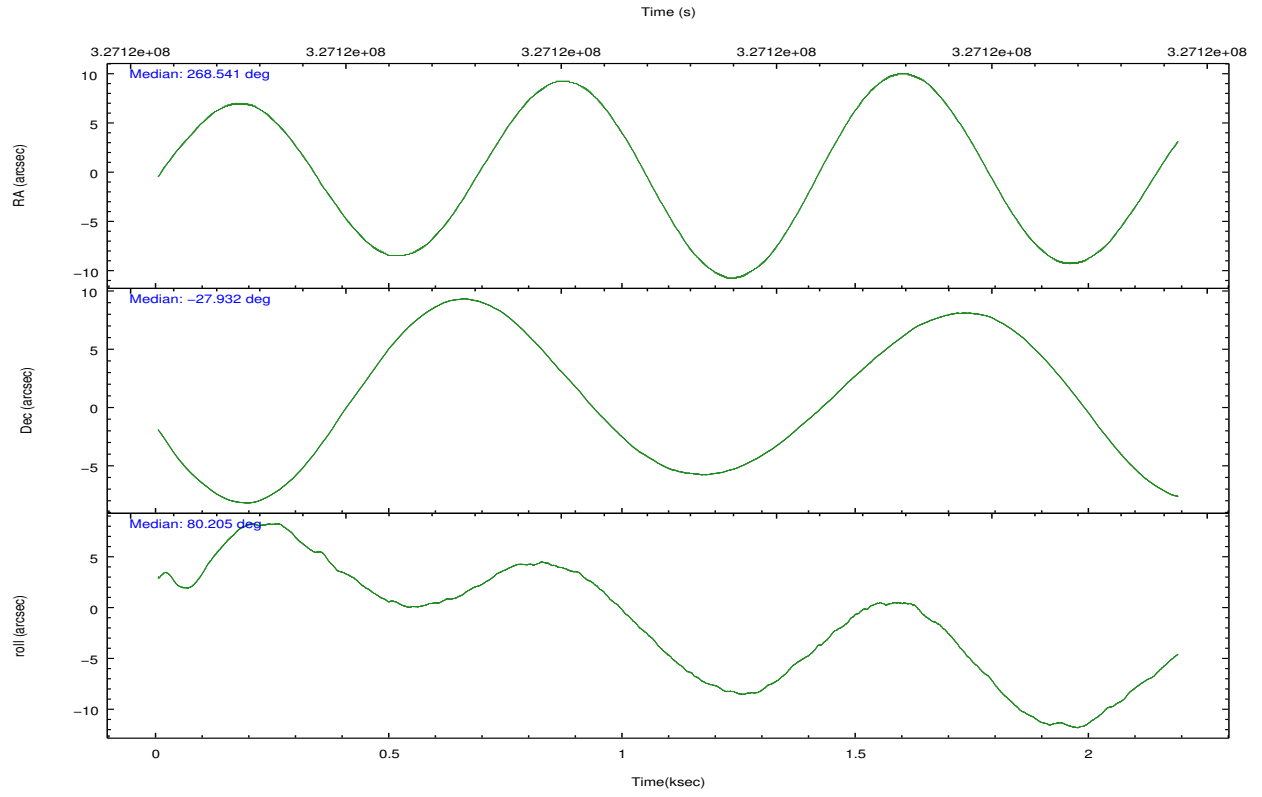
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	883	963	857	856	1068
	4%	4%	4%	4%	4%
grade 1 events	9	8	20	11	38
	0%	0%	0%	0%	0%
grade 2 events	500	505	527	460	2182
	2%	2%	2%	2%	9%
grade 3 events	247	204	213	192	979
	1%	1%	1%	1%	4%
grade 4 events	233	268	227	235	956
	1%	1%	1%	1%	4%
grade 5 events	674	772	654	807	2351
	3%	3%	3%	4%	10%
grade 6 events	400	469	393	388	5365
	2%	2%	1%	2%	23%
grade 7 events	16009	16470	17907	15924	9807
	84%	83%	86%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	268.551933	268.5409933699962	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.957752	-27.93212612300595	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004233	80.20780322128276	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	N	N
[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)	327116352.184000	327115975.64078	CCD S5 on	N	N
Observation start date	2008-05-14T01:38:07	2008-05-14T01:32:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327118352.184000	327118485.86591	On-chip summing requested	N	N
Observation end date	2008-05-14T02:11:27	2008-05-14T02:14:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



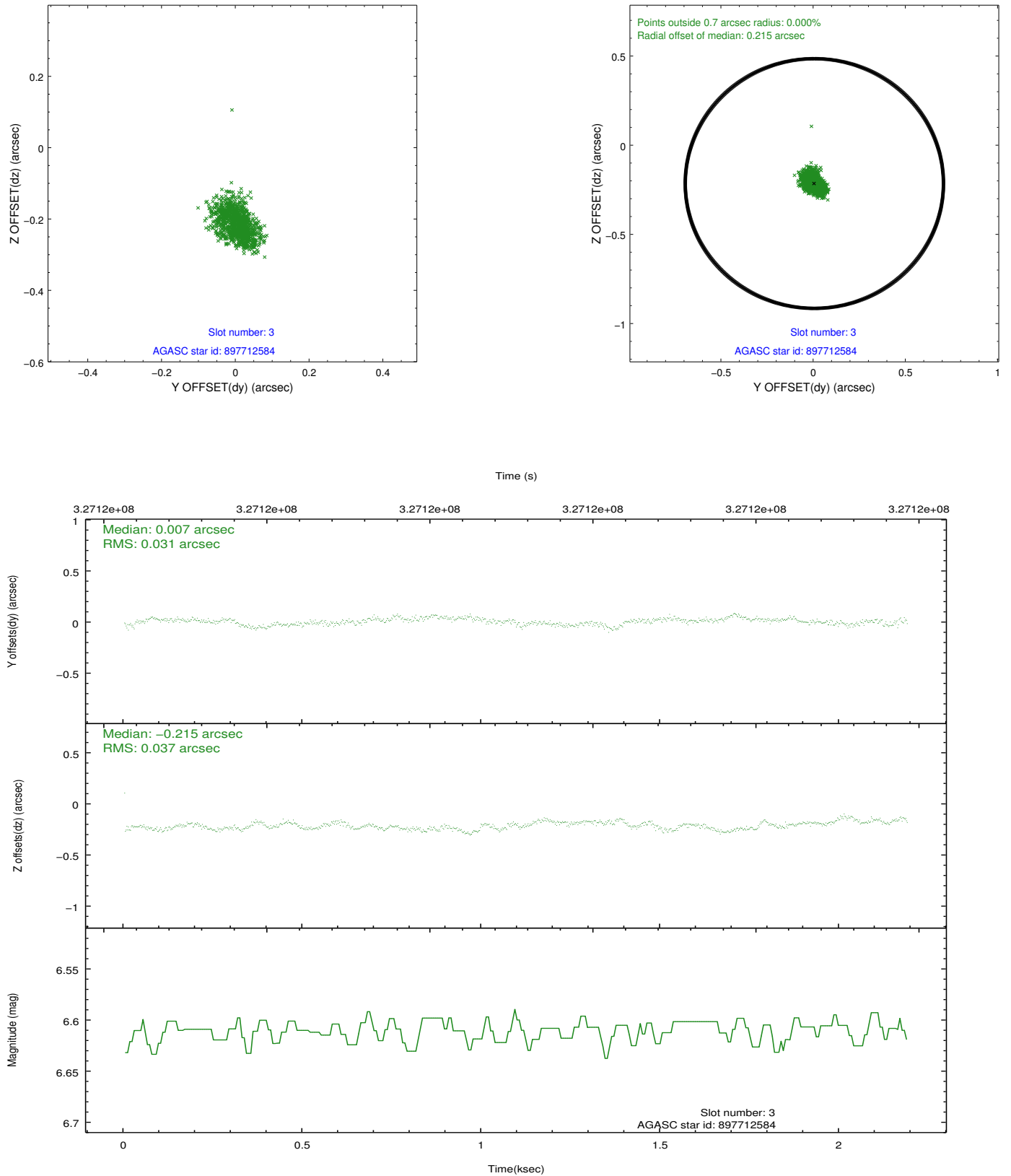


Slot Statistics

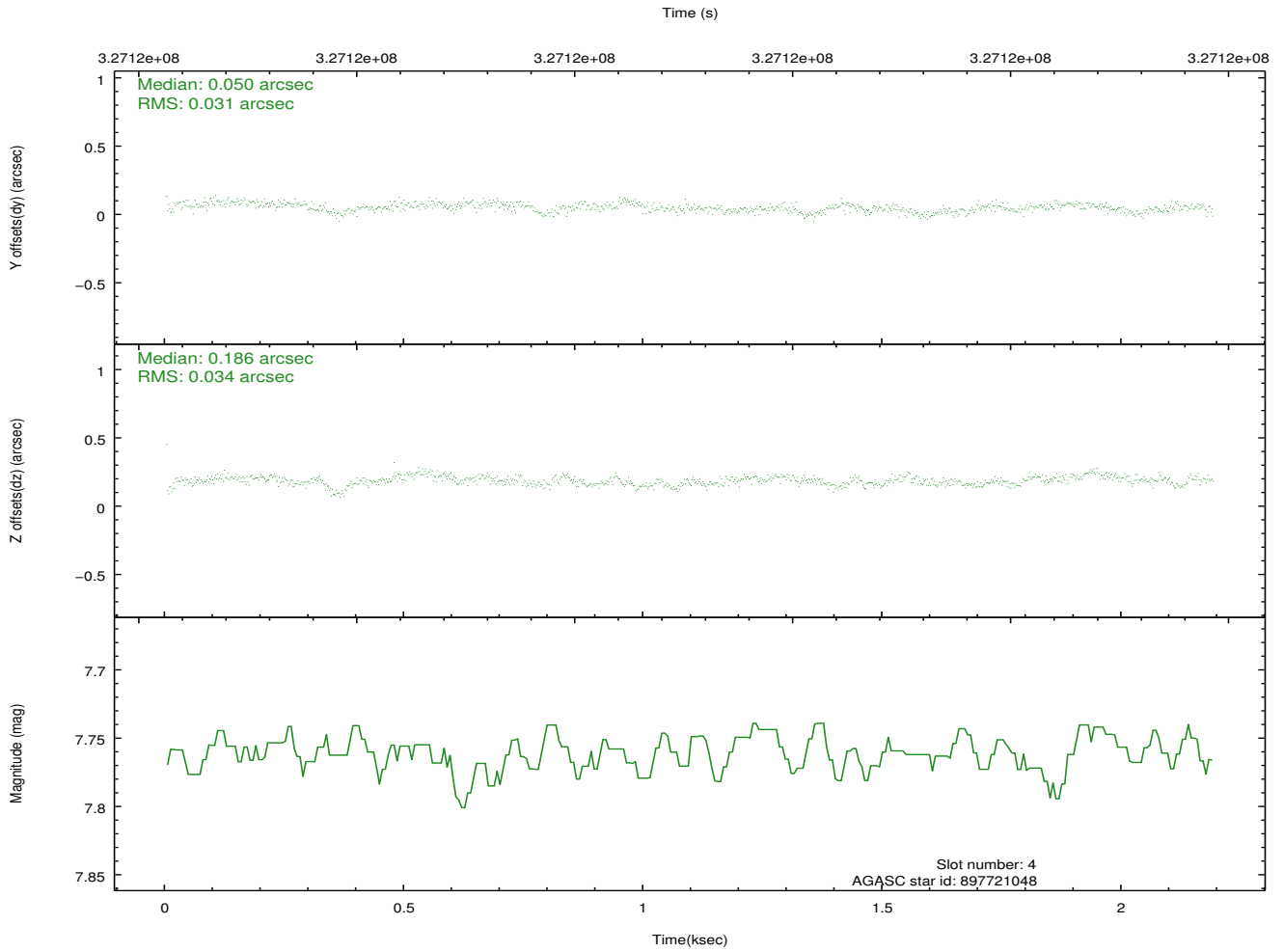
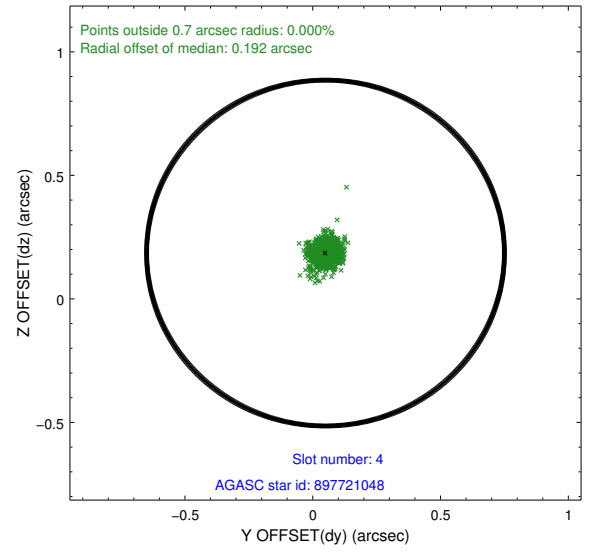
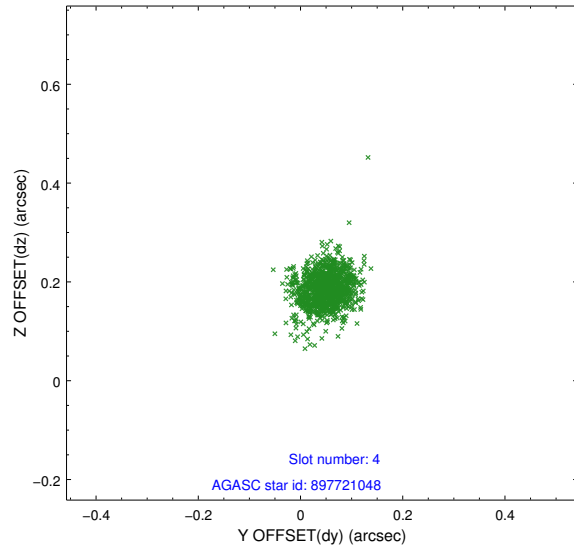
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	532	-0.071	0.046	0.007	0.012	0.000000	0.000000	927.21	-837.04
1	FID	ACIS-I-4	7.00	534	0.062	0.038	0.008	0.012	0.000000	0.000000	2149.08	1061.24
2	FID	ACIS-I-6	7.05	534	-0.088	-0.019	0.008	0.012	0.000000	0.000000	396.98	1706.79
3	GUIDE	897712584	6.61	1068	0.007	-0.215	0.051	0.080	268.003029	-28.022394	-535.17	1676.45
4	GUIDE	897721048	7.76	1068	0.050	0.186	0.047	0.078	268.989561	-28.030814	-19.71	-1414.01
5	GUIDE	898236640	9.01	1065	0.246	0.237	0.127	0.199	268.893541	-28.185549	-620.28	-1211.21
6	GUIDE	897717760	7.28	1067	-0.081	-0.189	0.066	0.115	268.392593	-27.282645	2304.74	922.60
7	GUIDE	897722208	8.40	1066	-0.229	-0.005	0.059	0.095	268.617190	-27.294090	2391.77	209.97

2.4 Star Slots

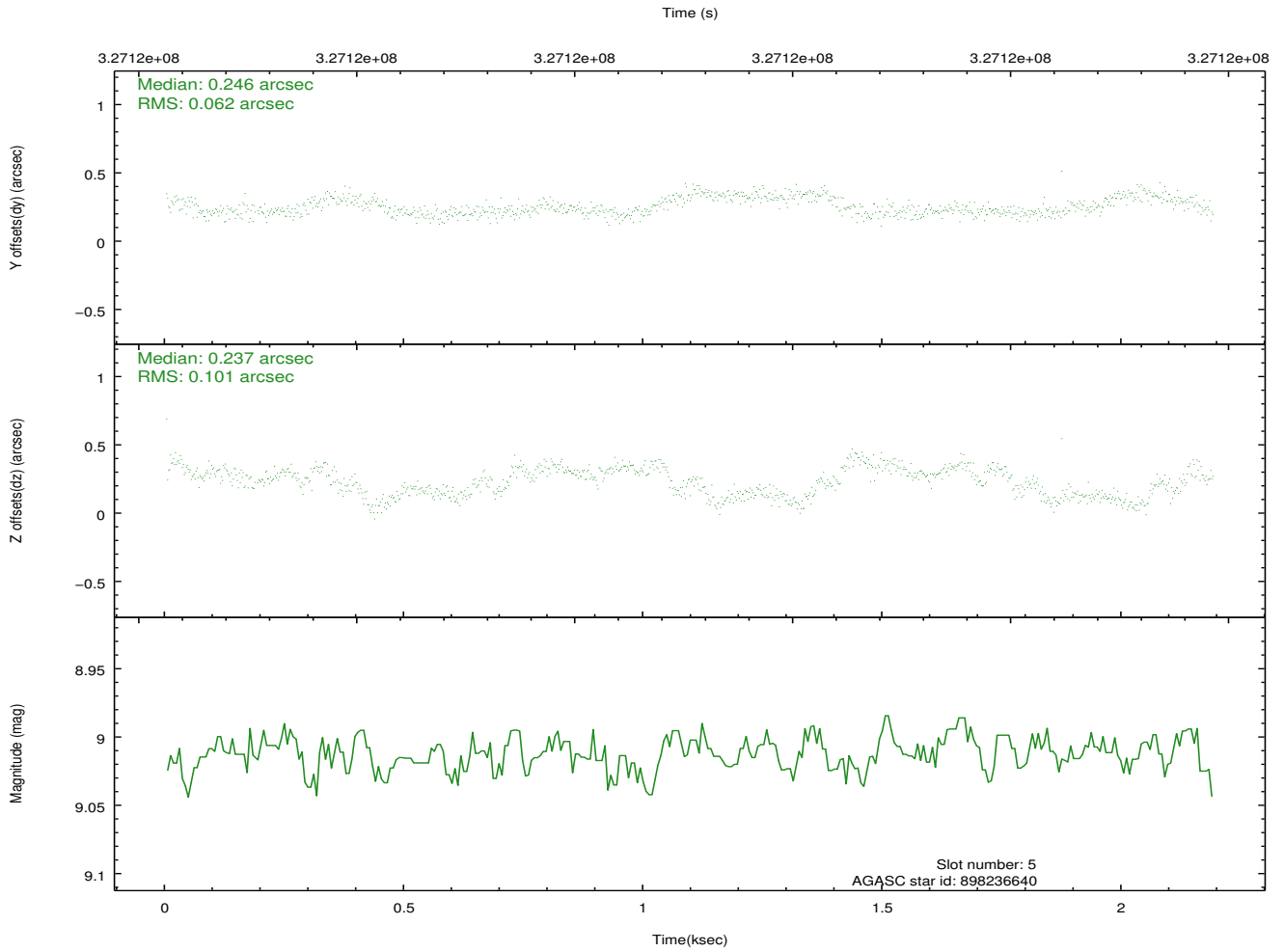
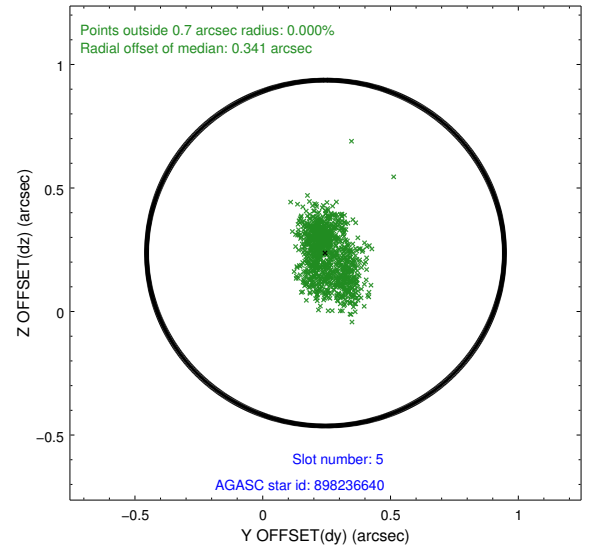
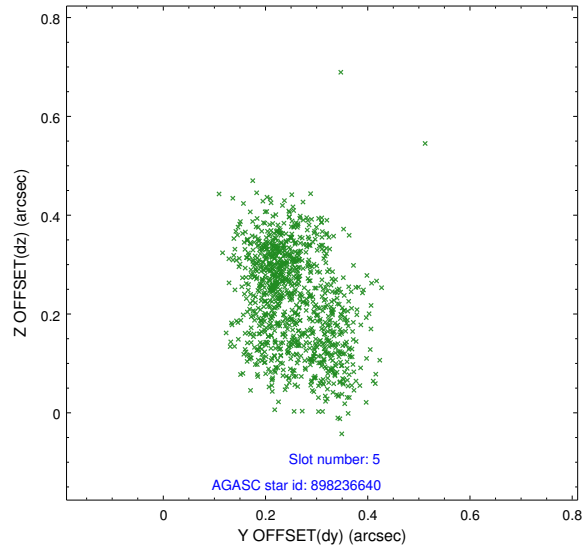
2.4.1 Slot 3



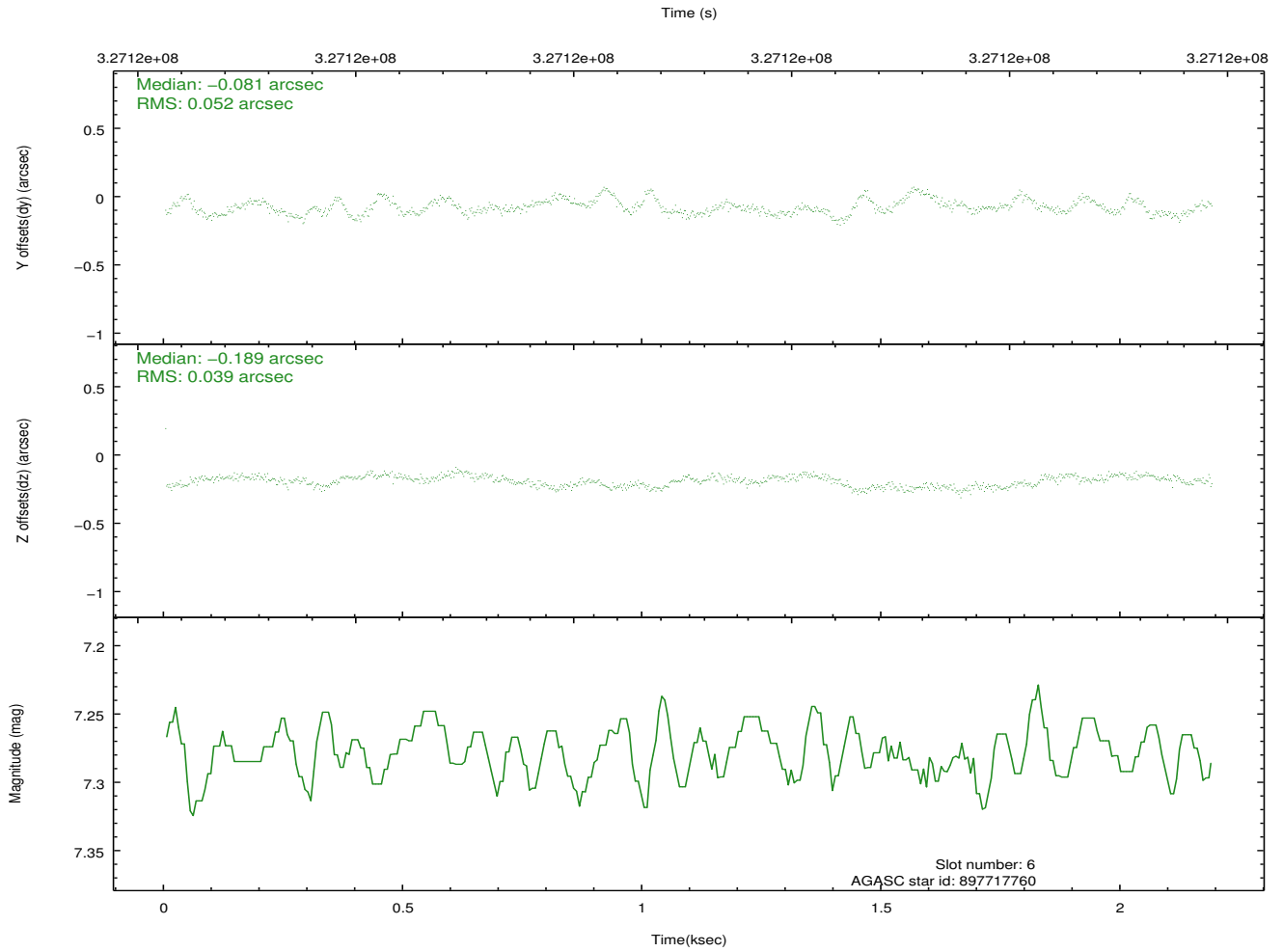
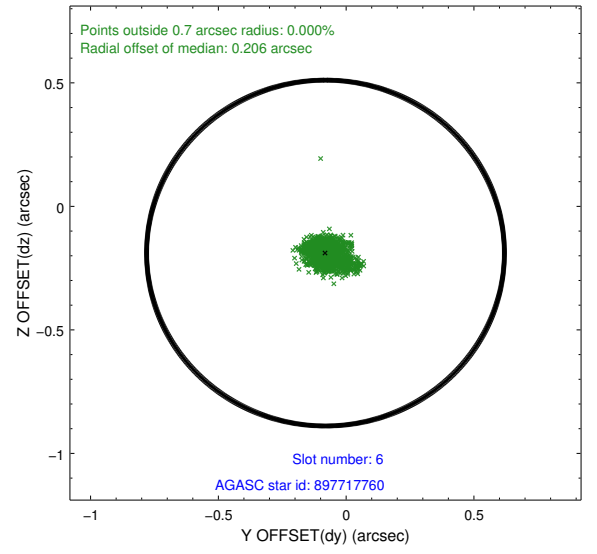
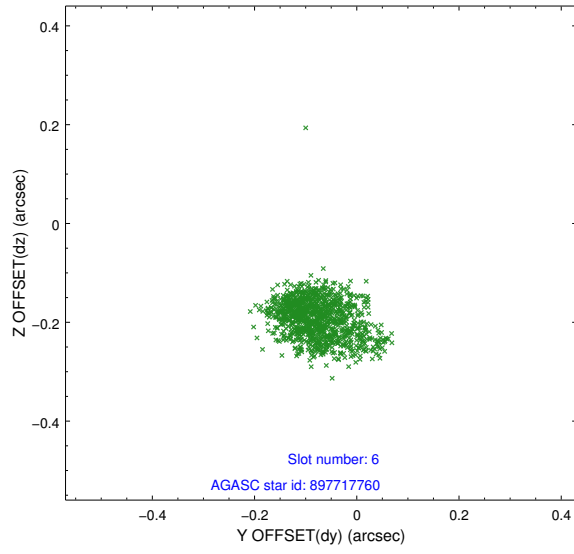
2.4.2 Slot 4



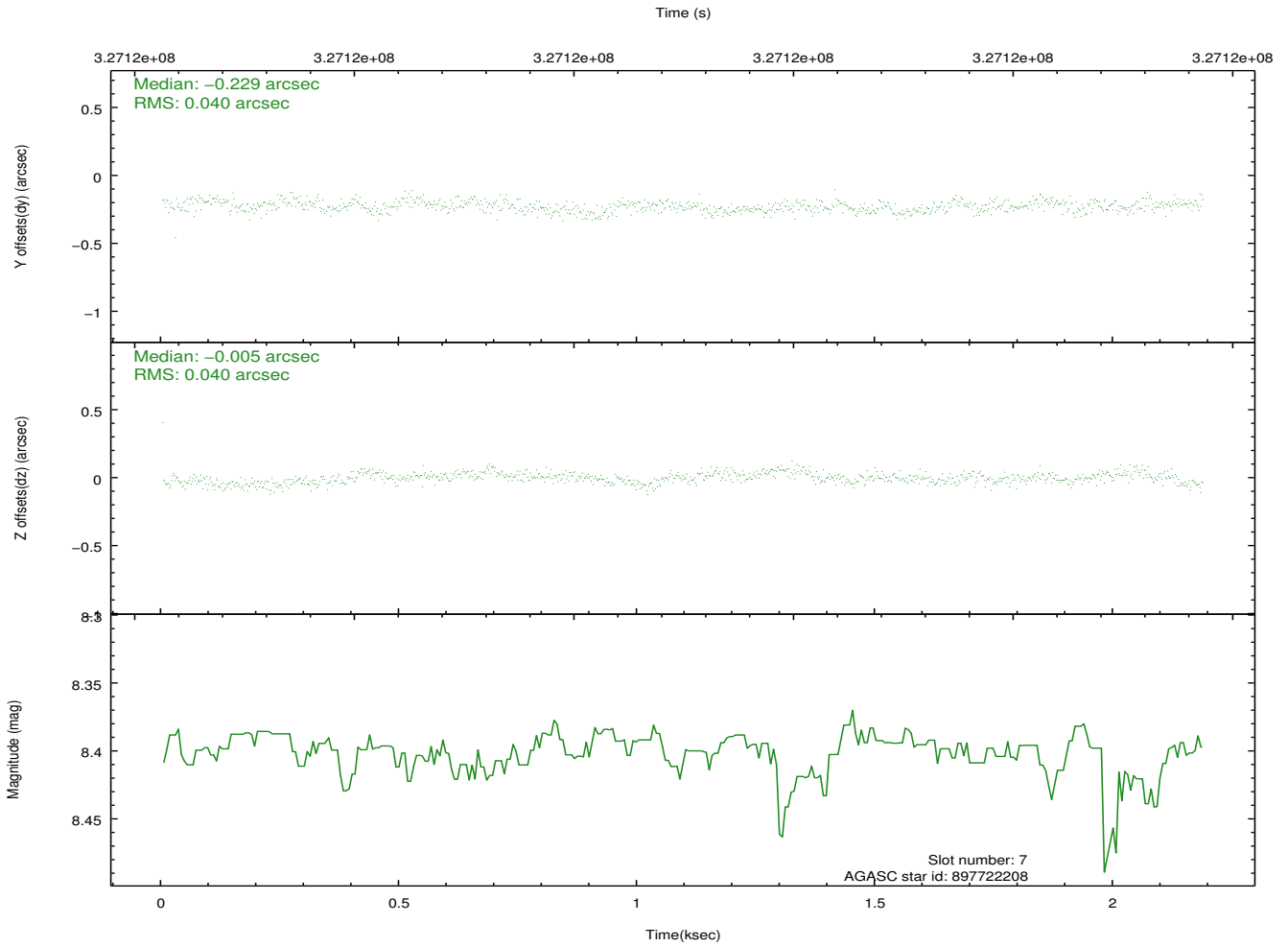
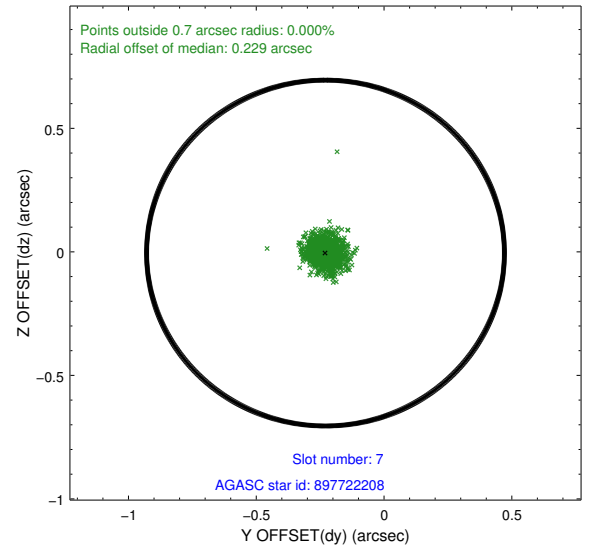
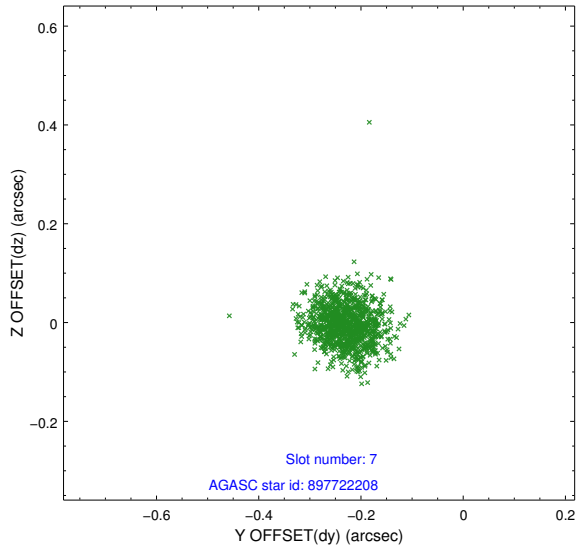
2.4.3 Slot 5



2.4.4 Slot 6

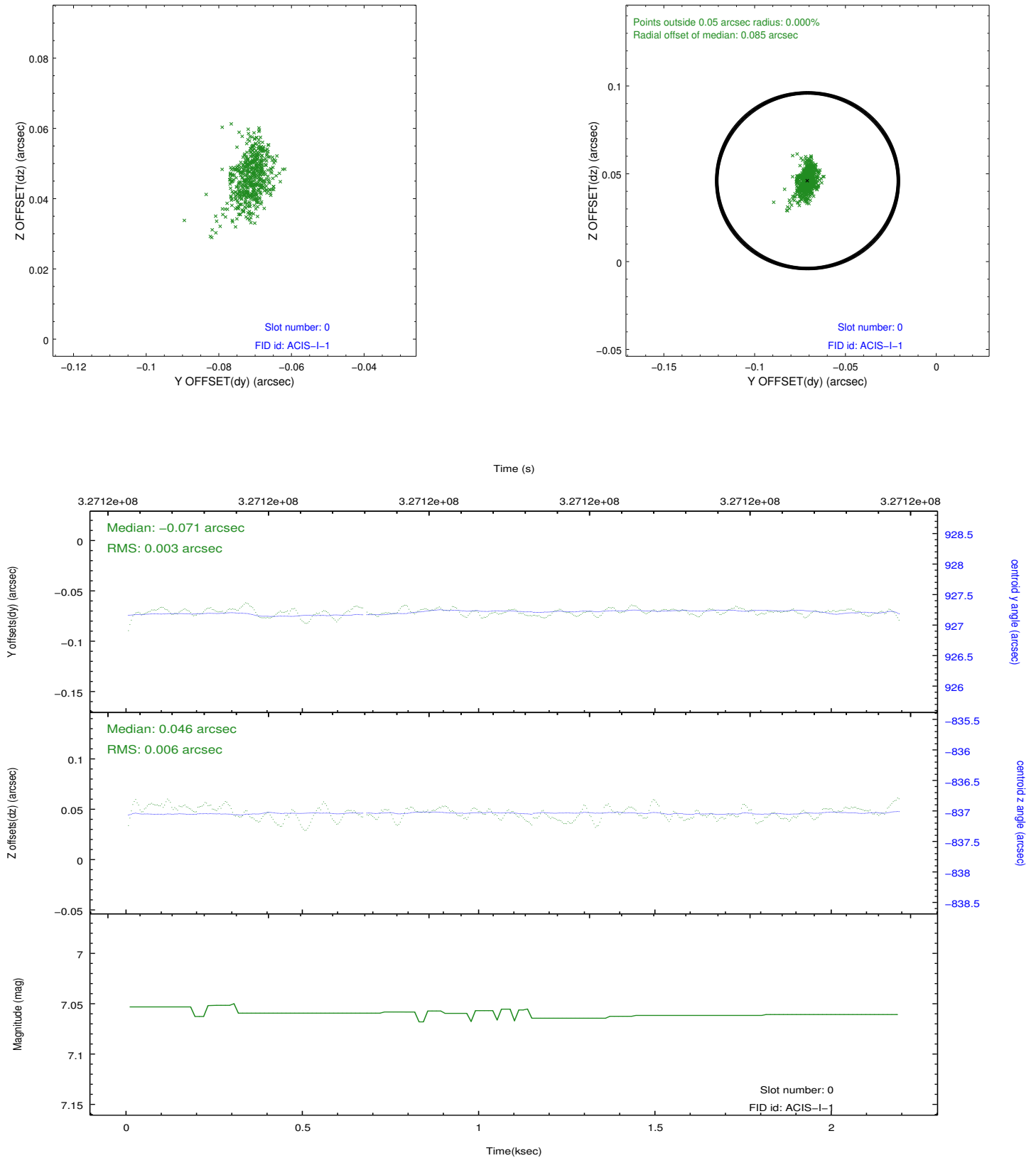


2.4.5 Slot 7

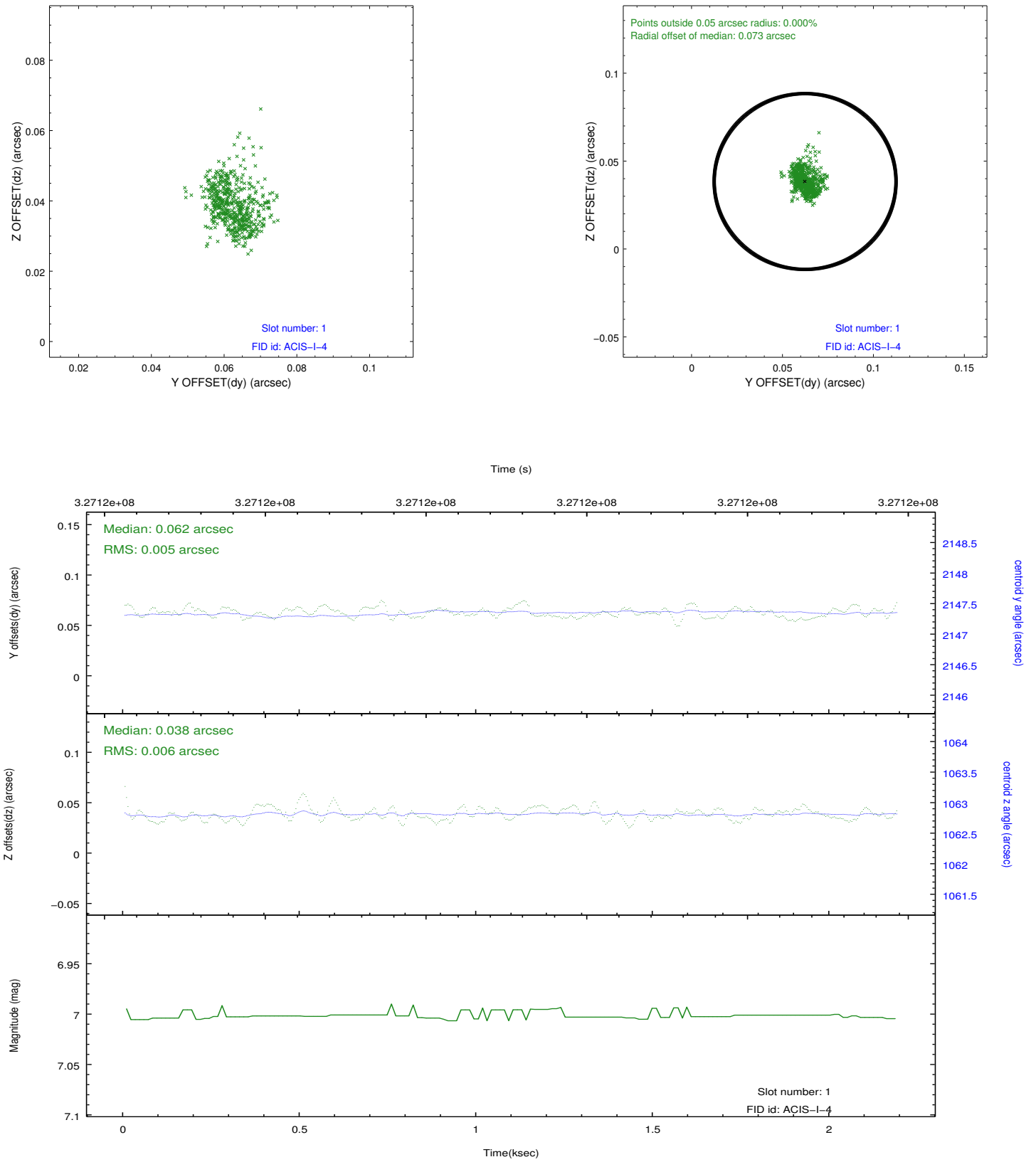


2.5 FID Slots

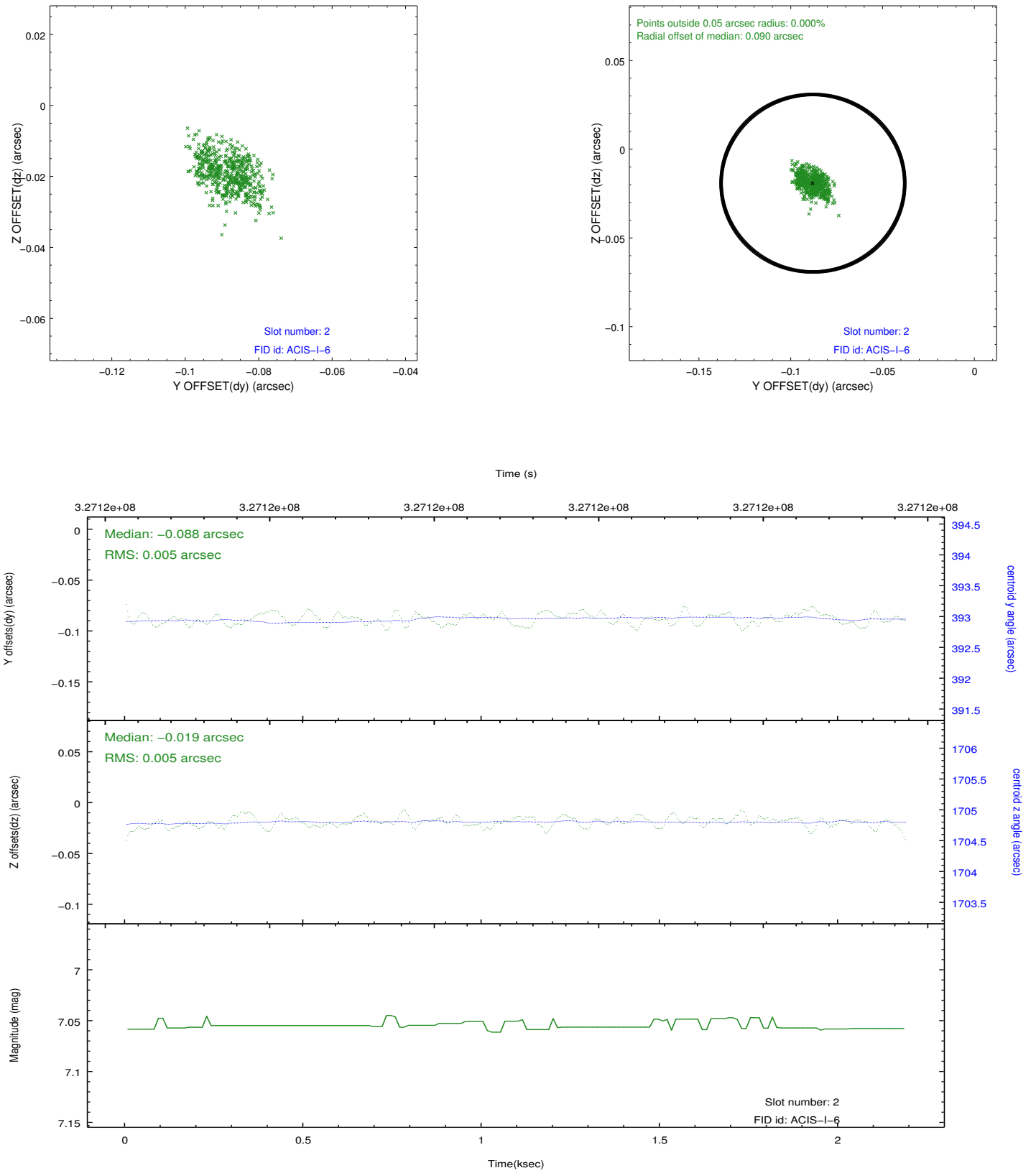
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments

Joint proposal with NOAO.