

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8734 - L2 Version 2
Chandra X-Ray Center

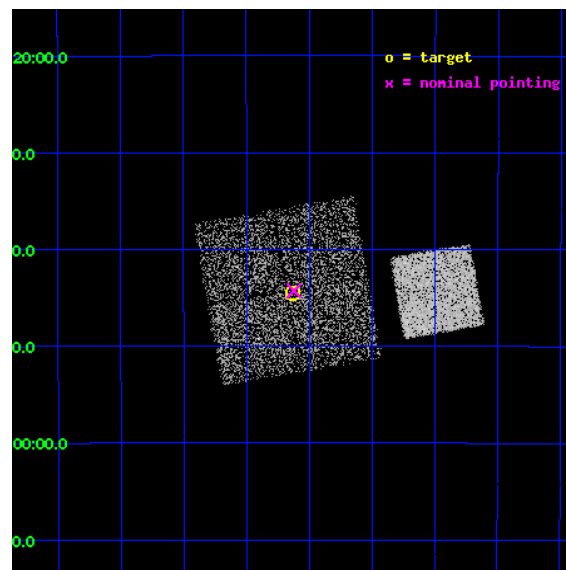
L2 Processing Date : May 14 2012

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

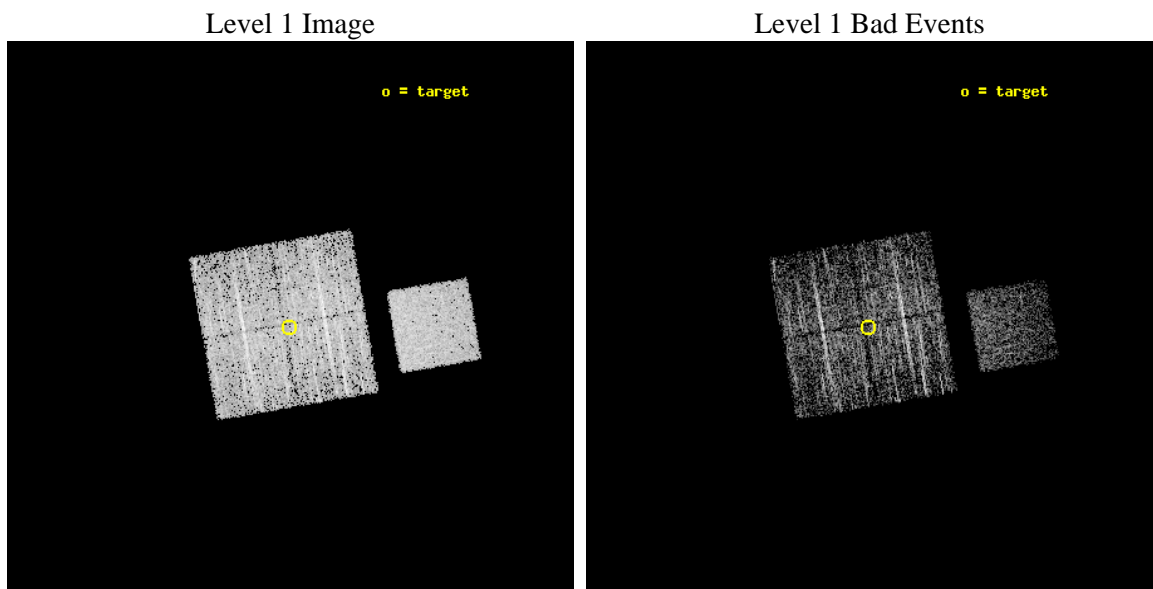
seq_num	400785	Sequence number
obs_id	8734	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.532613	Observer's specified target RA [deg]
dec_targ	-28.742736	Observer's specified target Dec [deg]
ra_nom	268.53060978679	Nominal RA [deg]
dec_nom	-28.738155882452	Nominal Dec [deg]
roll_nom	80.207709504577	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	16611	Number of level 2 events



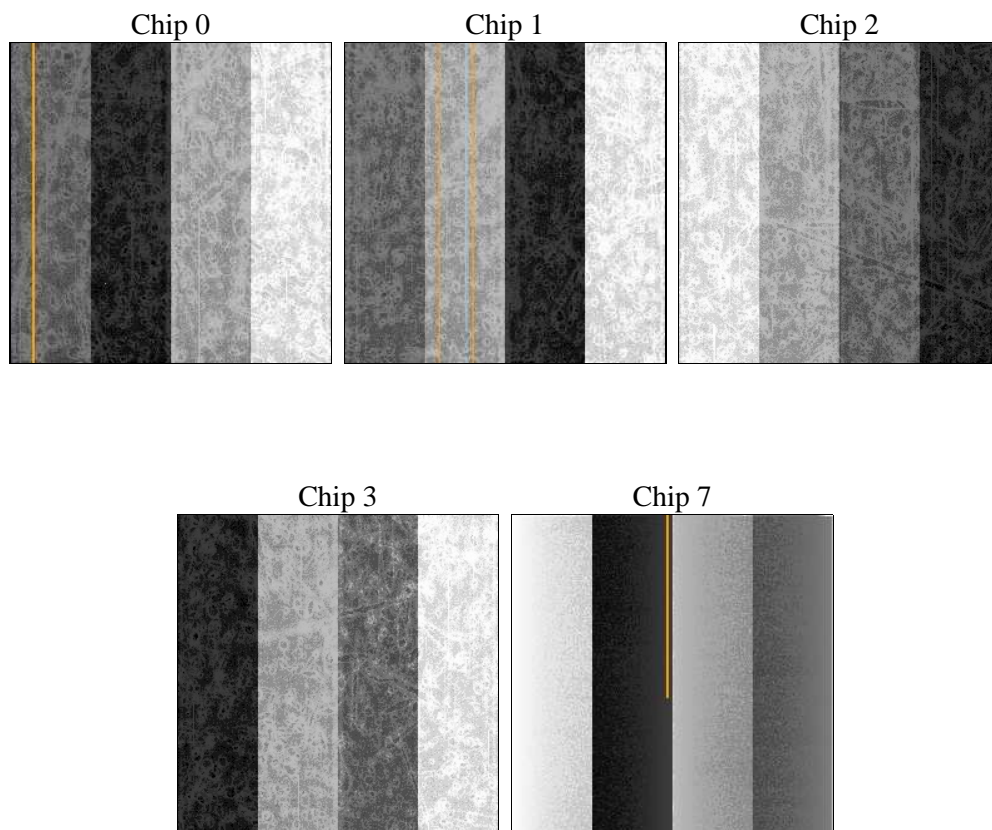
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-14T23:38:17	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	101419	Number of level 1 events

2.1.4 Events

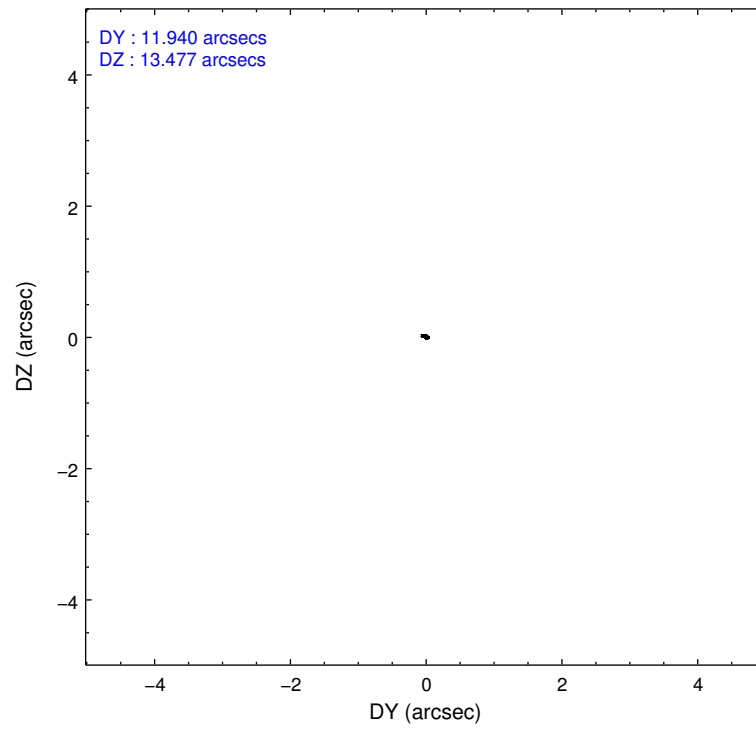
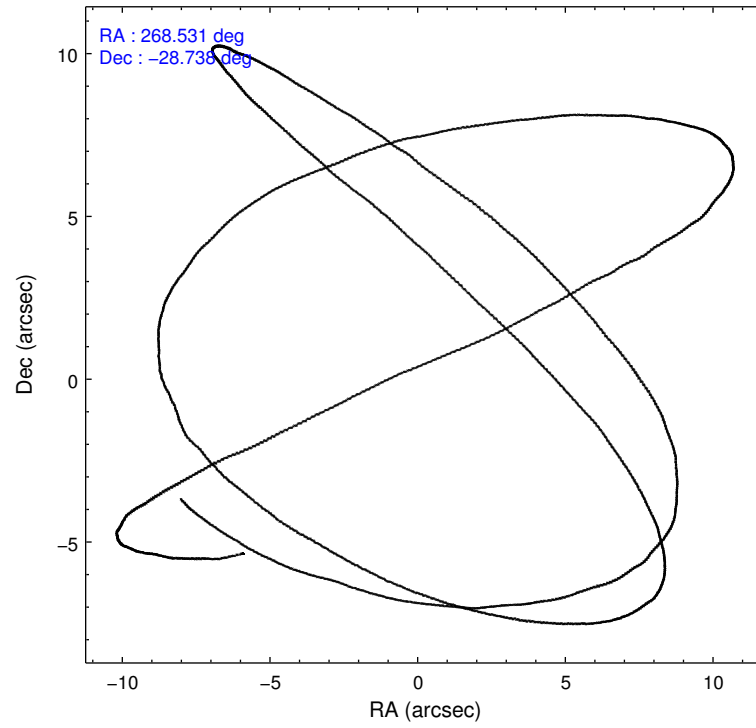
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18134	19455	19965	20850	23015
rejected events	16023	16933	17883	18717	13634
rejected %	88%	87%	89%	89%	59%

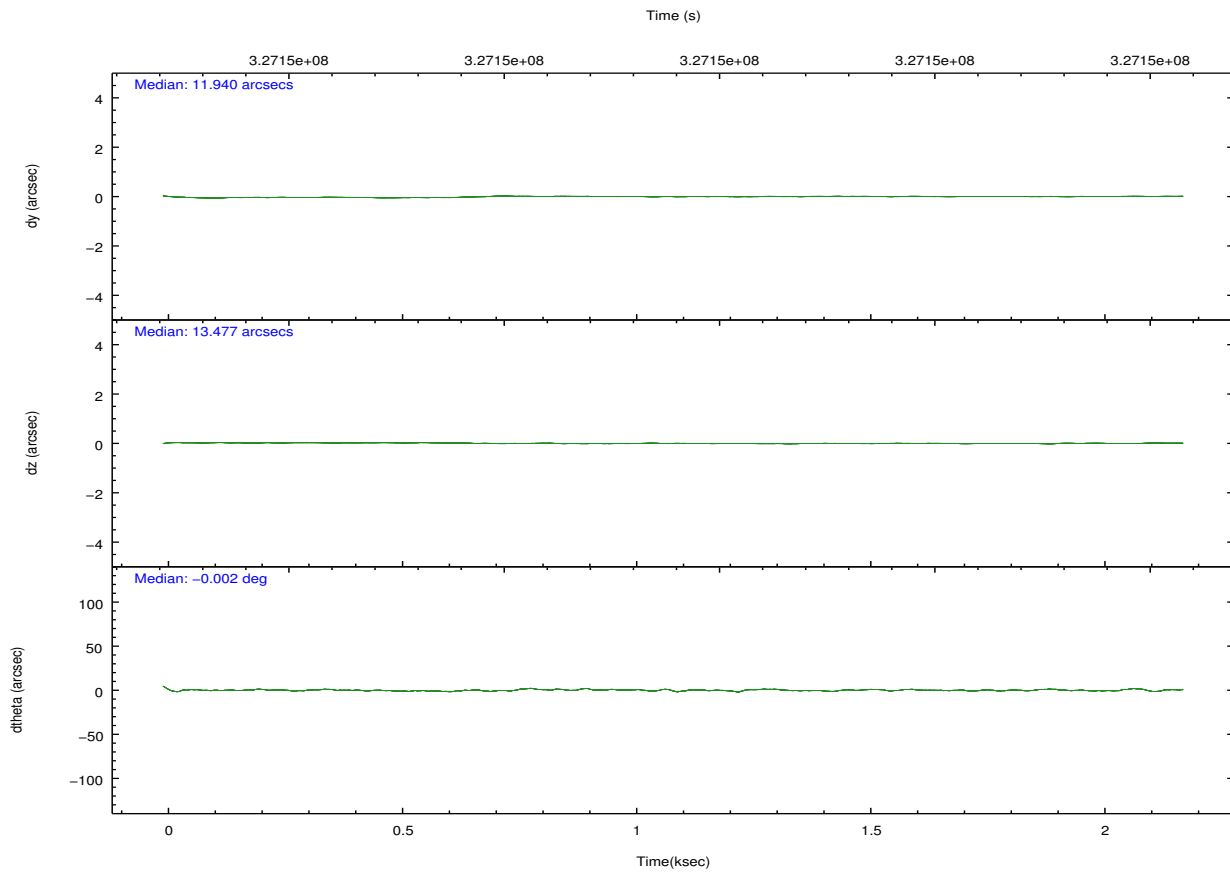
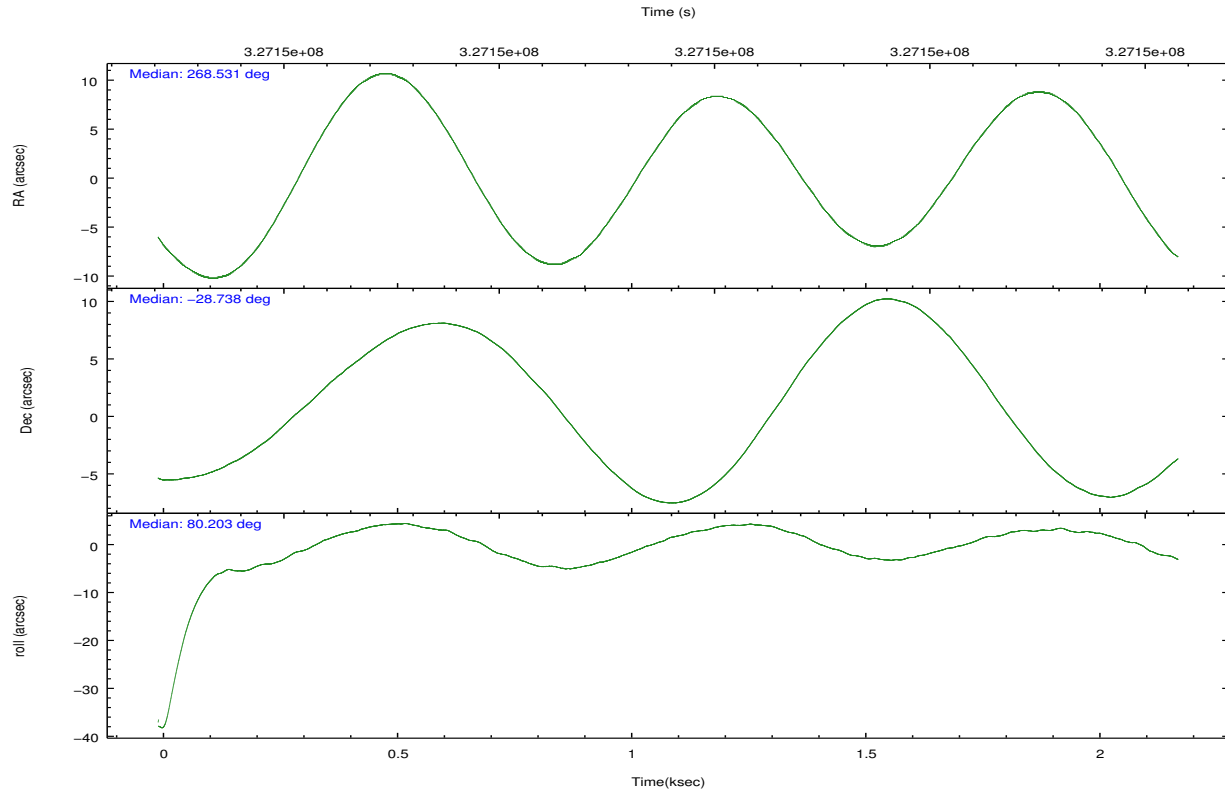
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1113	1371	1117	1089	1095
	6%	7%	5%	5%	4%
grade 1 events	9	13	13	20	29
	0%	0%	0%	0%	0%
grade 2 events	450	567	502	471	2215
	2%	2%	2%	2%	9%
grade 3 events	227	270	229	244	982
	1%	1%	1%	1%	4%
grade 4 events	223	242	236	244	1035
	1%	1%	1%	1%	4%
grade 5 events	735	782	650	786	2377
	4%	4%	3%	3%	10%
grade 6 events	407	471	326	376	5526
	2%	2%	1%	1%	24%
grade 7 events	14970	15739	16892	17620	9756
	82%	80%	84%	84%	42%

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	268.541704	268.5306097867852	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.763771	-28.73815588245245	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004372	80.20770950457722	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)	327146472.184000	327146095.77975	CCD S5 on	N	N
Observation start date	2008-05-14T10:00:07	2008-05-14T09:54:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327148472.184000	327148605.49237	On-chip summing requested	N	N
Observation end date	2008-05-14T10:33:27	2008-05-14T10:36:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



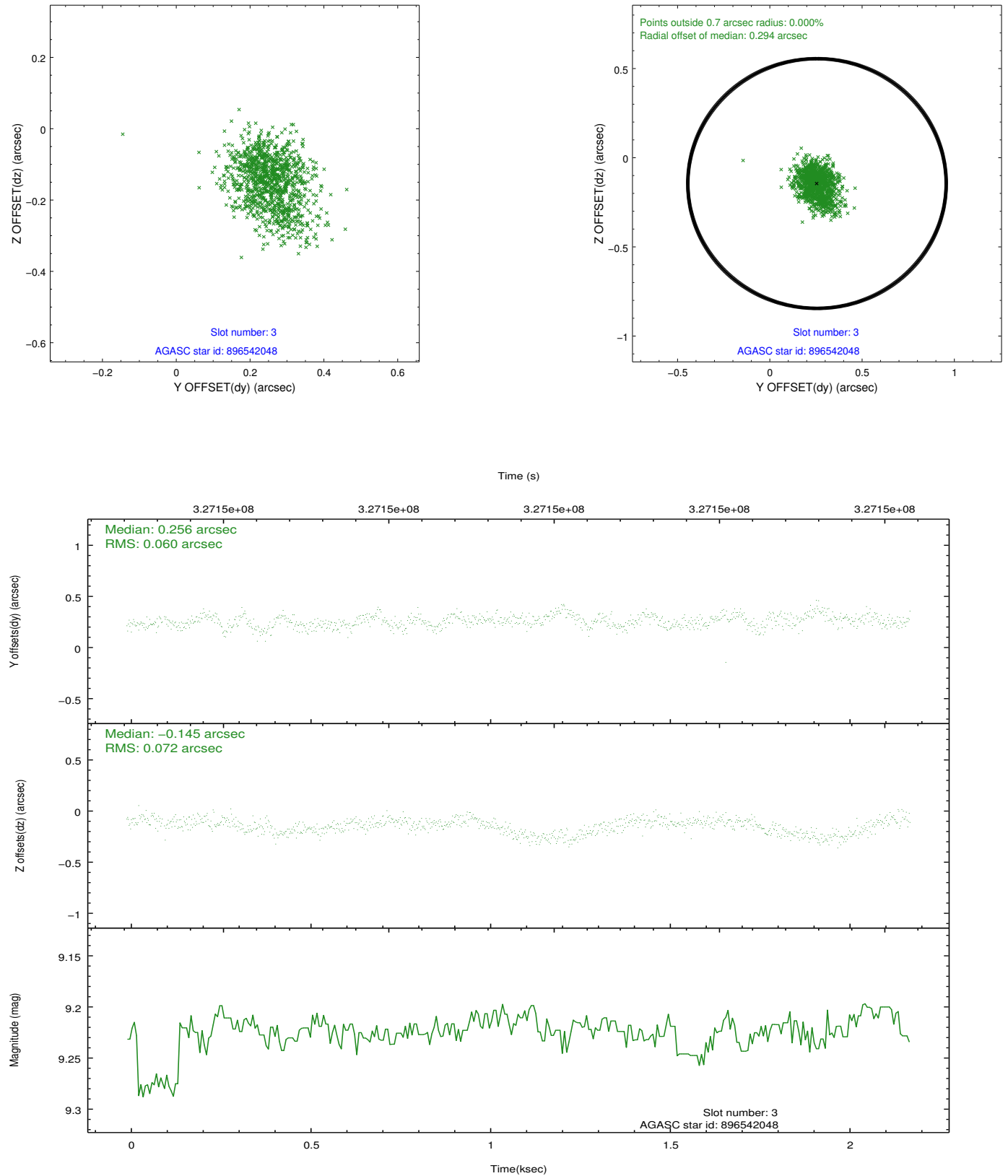


Slot Statistics

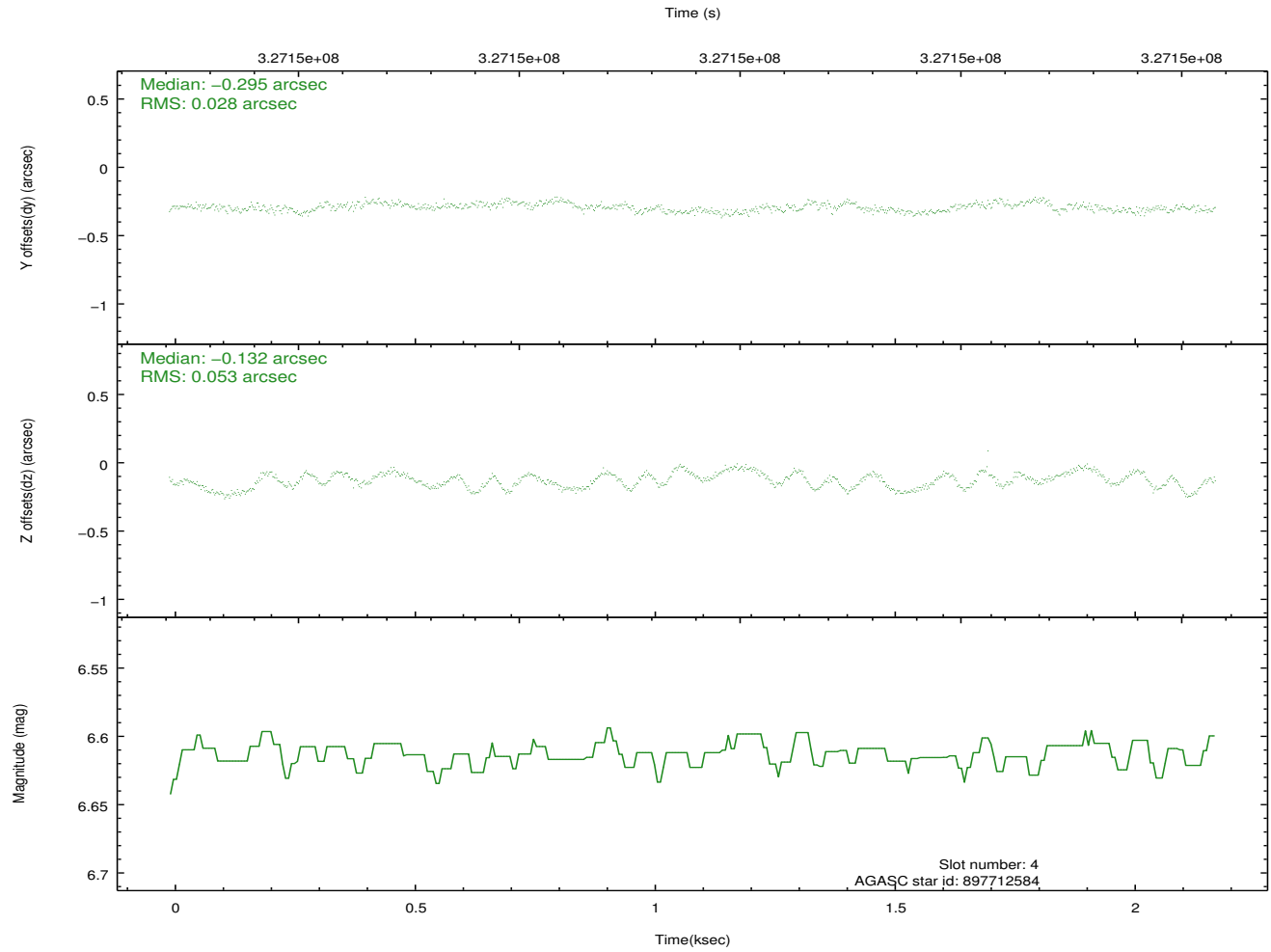
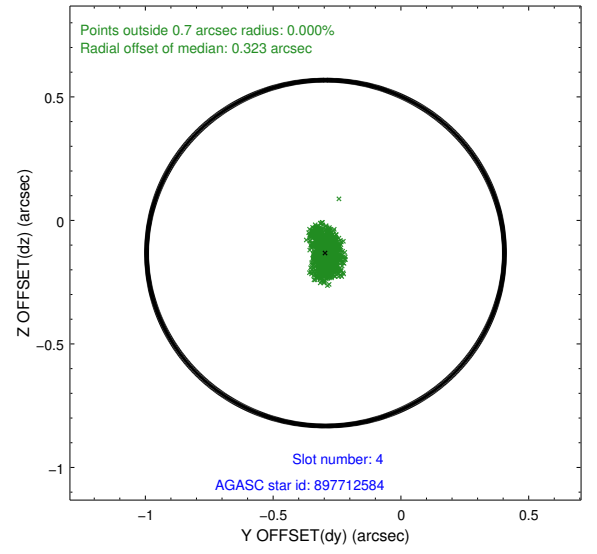
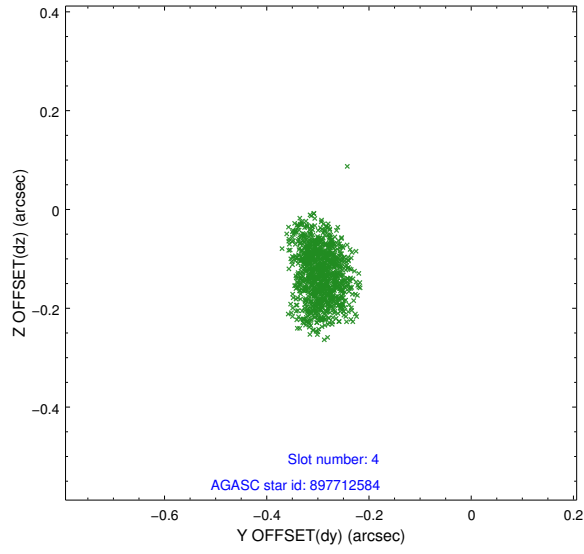
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.96	532	-0.137	-0.059	0.007	0.013	0.000000	0.000000	-766.70	-843.46
1	FID	ACIS-I-4	7.01	532	0.084	0.077	0.007	0.013	0.000000	0.000000	2146.22	1061.32
2	FID	ACIS-I-6	7.06	531	-0.046	0.046	0.010	0.016	0.000000	0.000000	397.33	1706.89
3	GUIDE	896542048	9.22	1062	0.256	-0.145	0.098	0.161	267.742937	-29.132026	-1749.24	2241.62
4	GUIDE	897712584	6.61	1064	-0.295	-0.132	0.064	0.102	268.003029	-28.022394	2326.16	2150.55
5	GUIDE	898238128	7.70	1064	-0.171	-0.086	0.067	0.103	268.450740	-28.688500	219.56	331.63
6	GUIDE	898247688	8.66	1063	0.103	0.037	0.089	0.139	268.426687	-29.012154	-942.66	201.38
7	GUIDE	898267256	9.37	1062	0.109	0.341	0.108	0.173	269.153744	-29.049851	-684.75	-2076.34

2.4 Star Slots

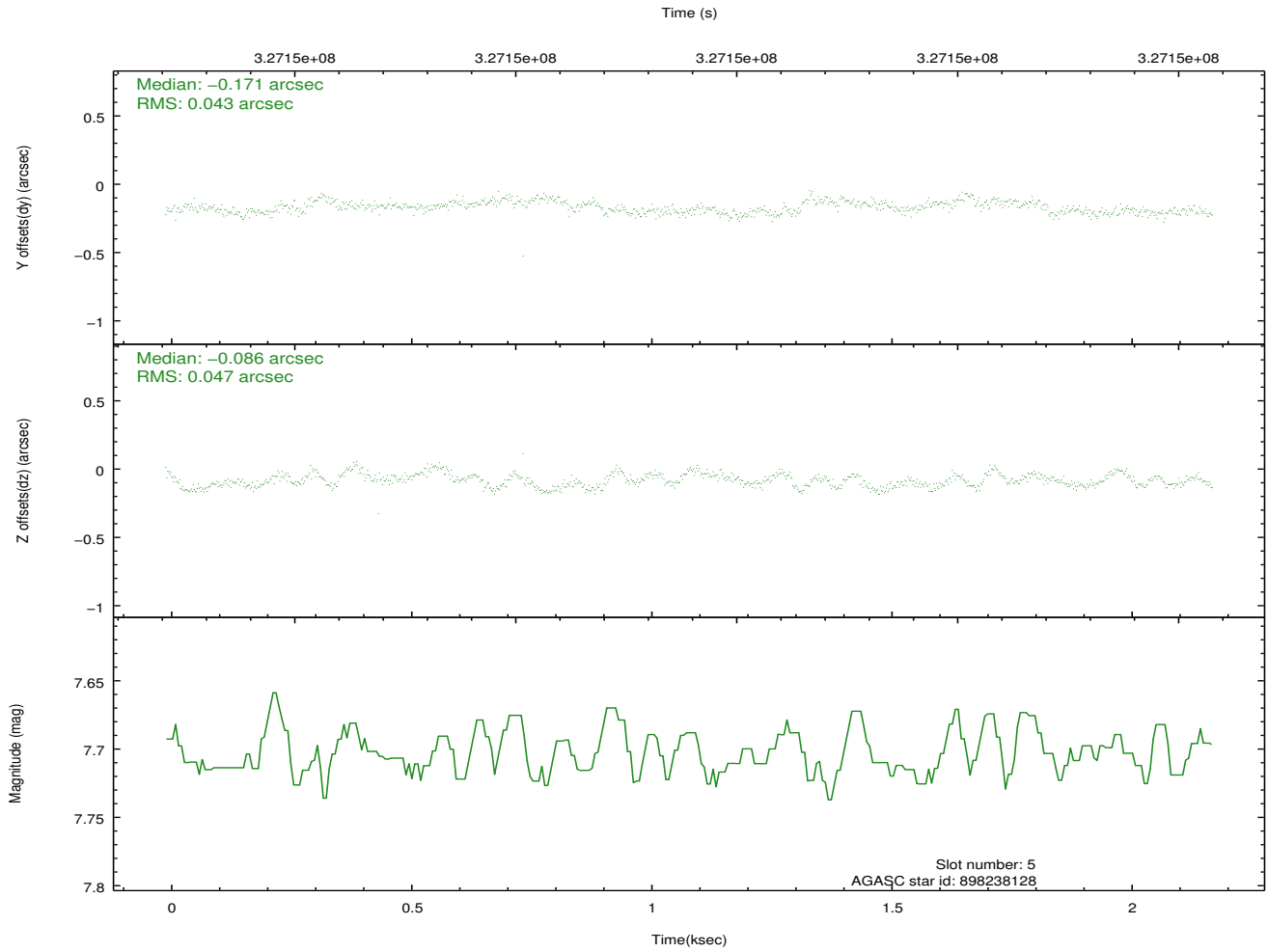
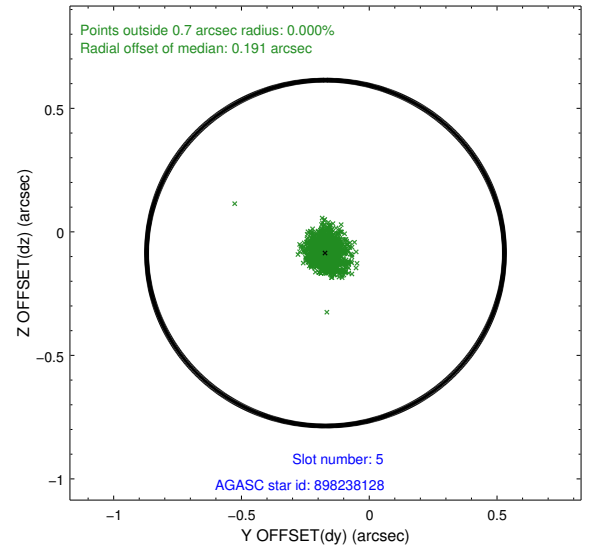
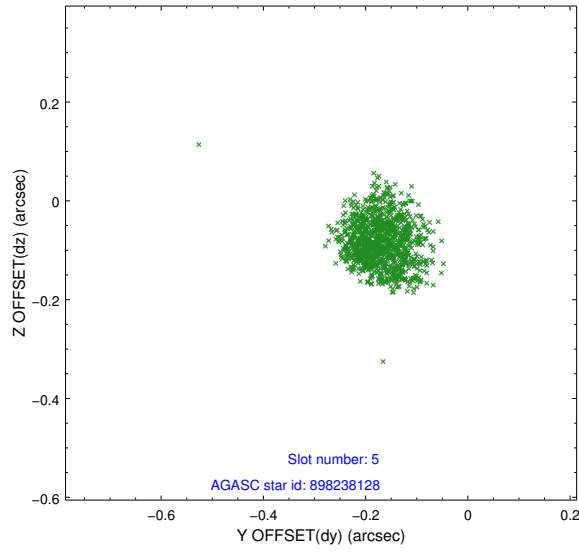
2.4.1 Slot 3



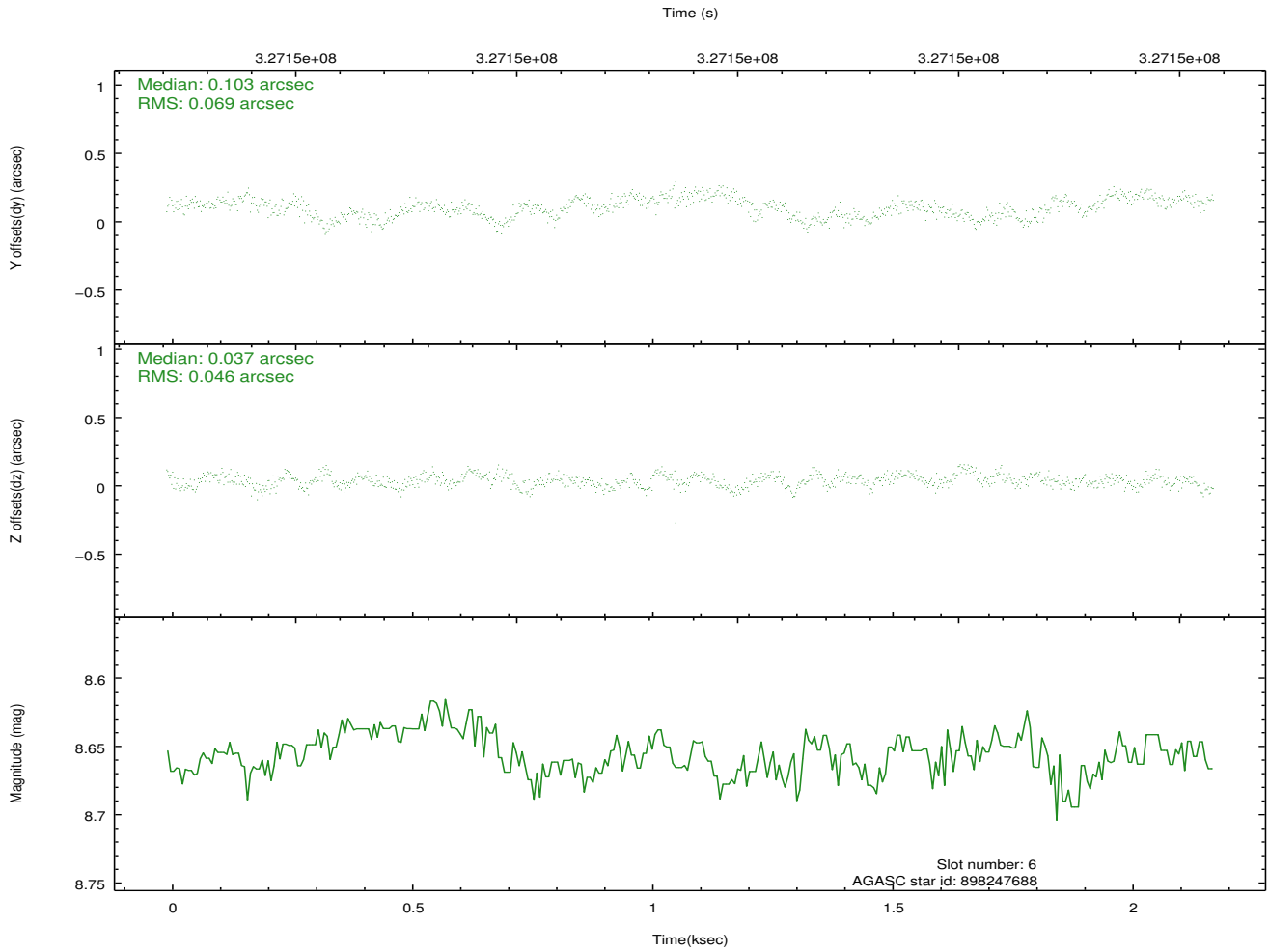
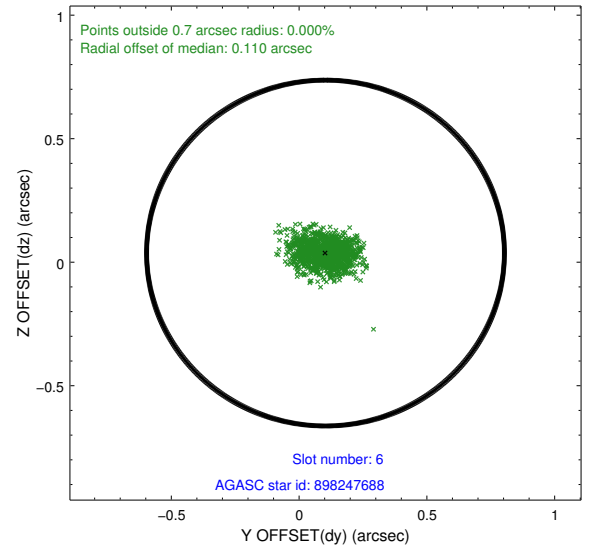
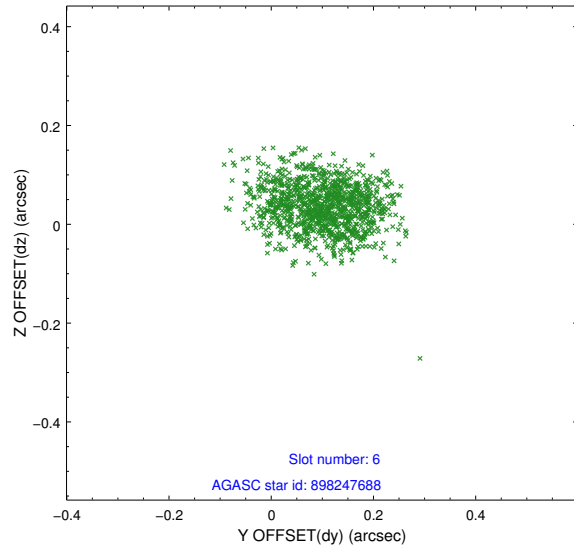
2.4.2 Slot 4



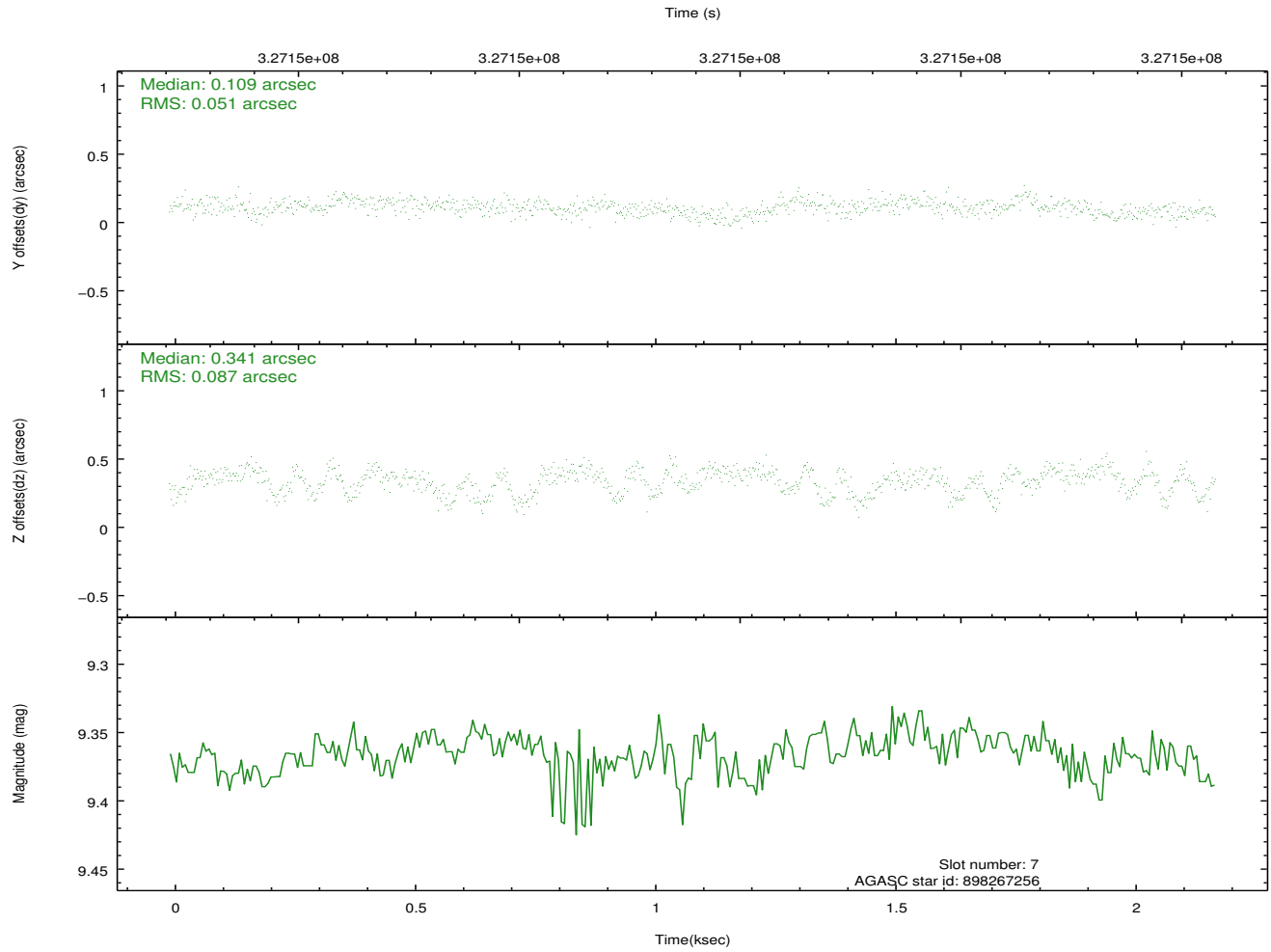
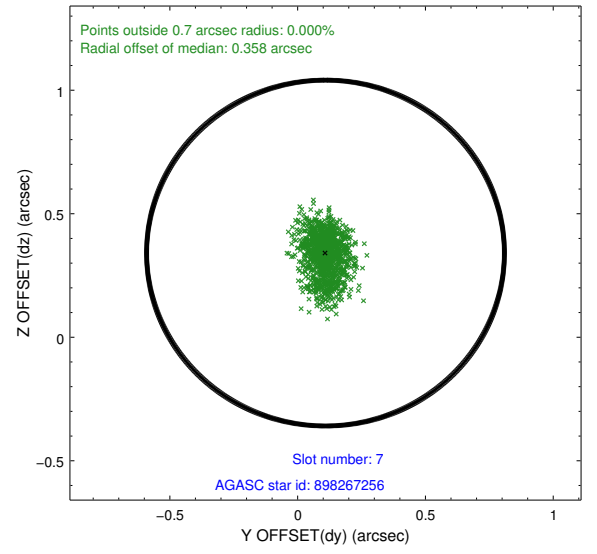
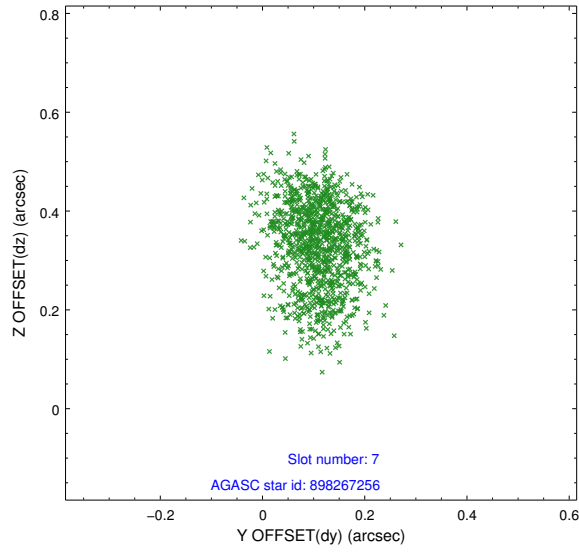
2.4.3 Slot 5



2.4.4 Slot 6

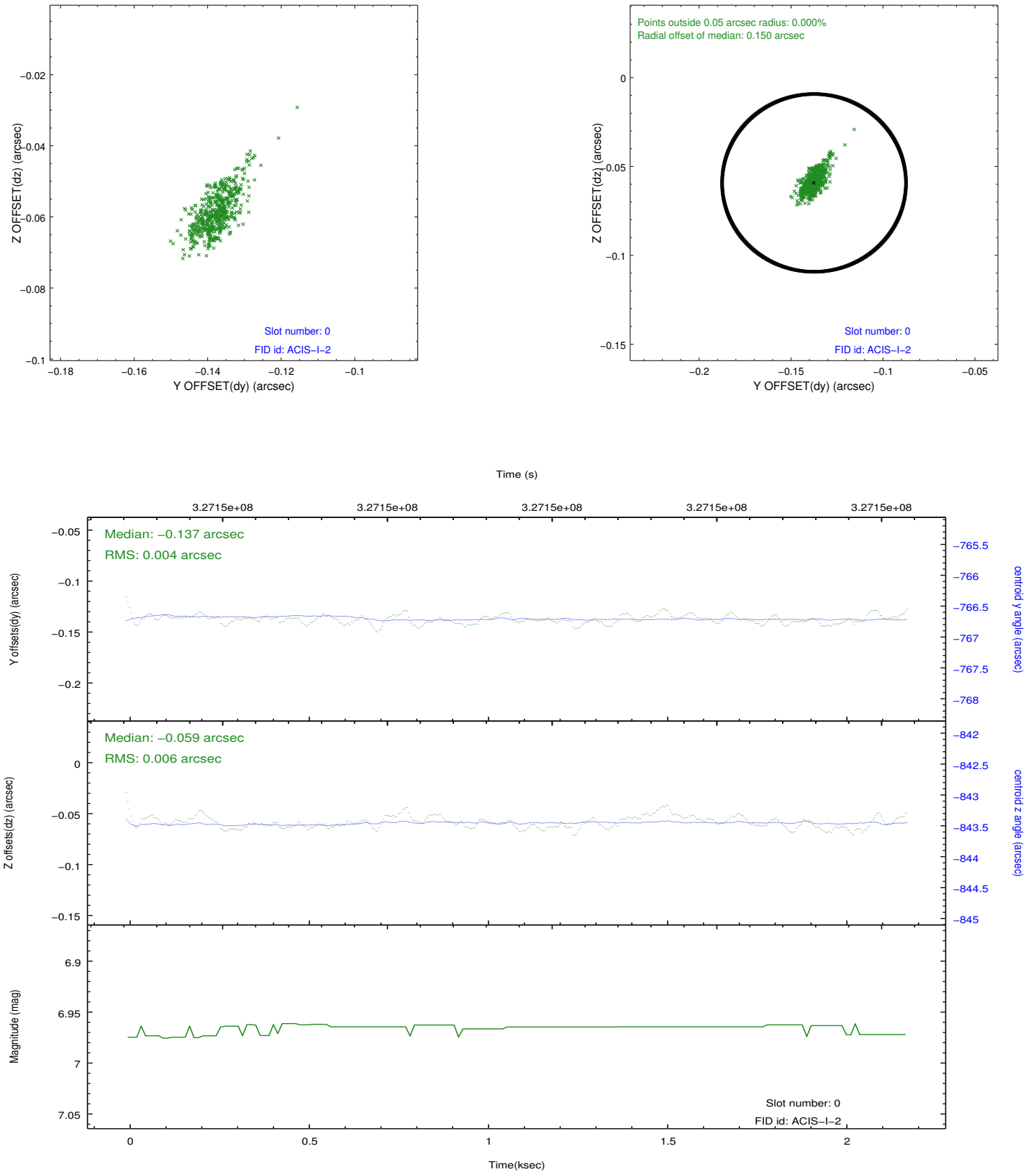


2.4.5 Slot 7

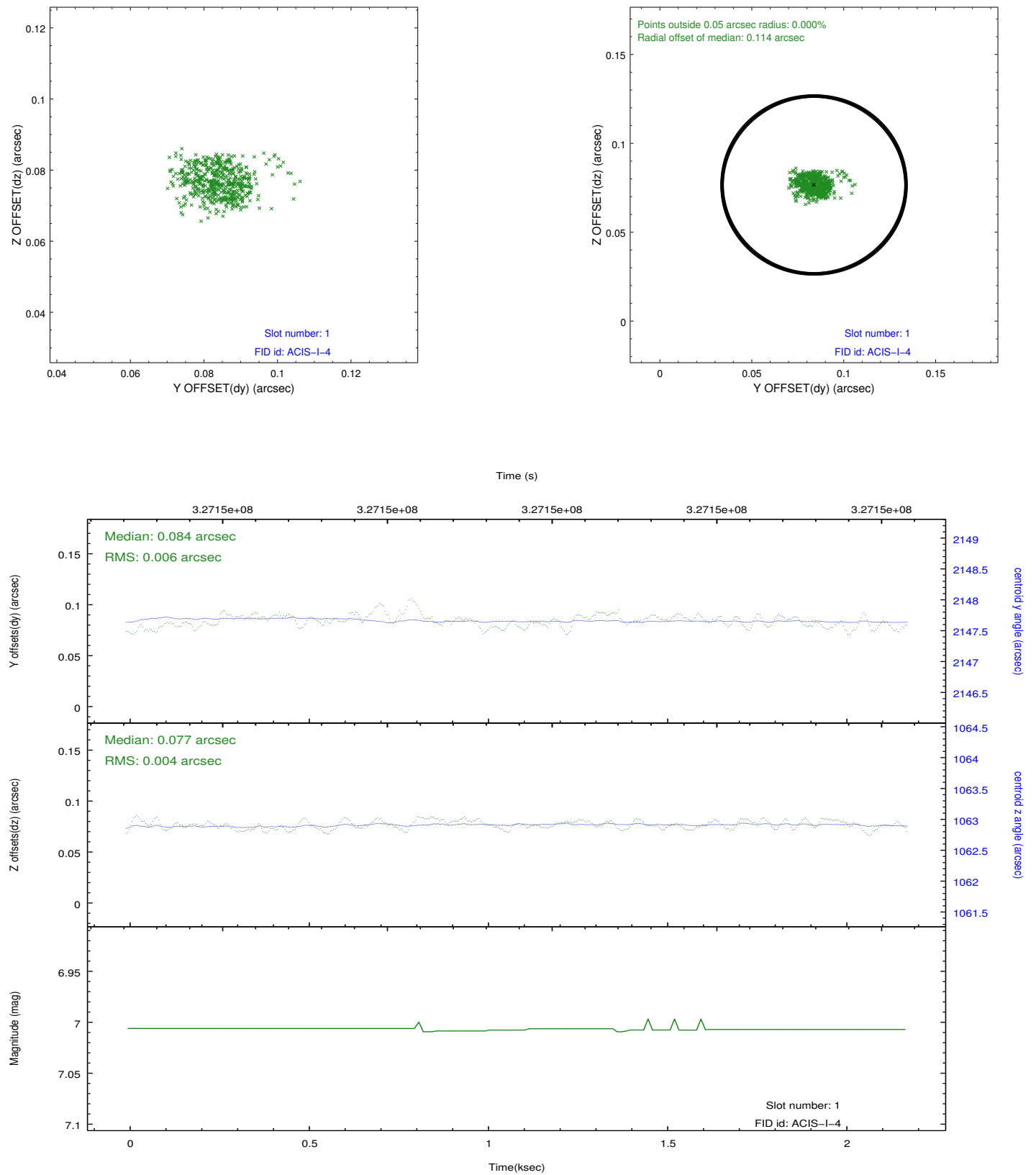


2.5 FID Slots

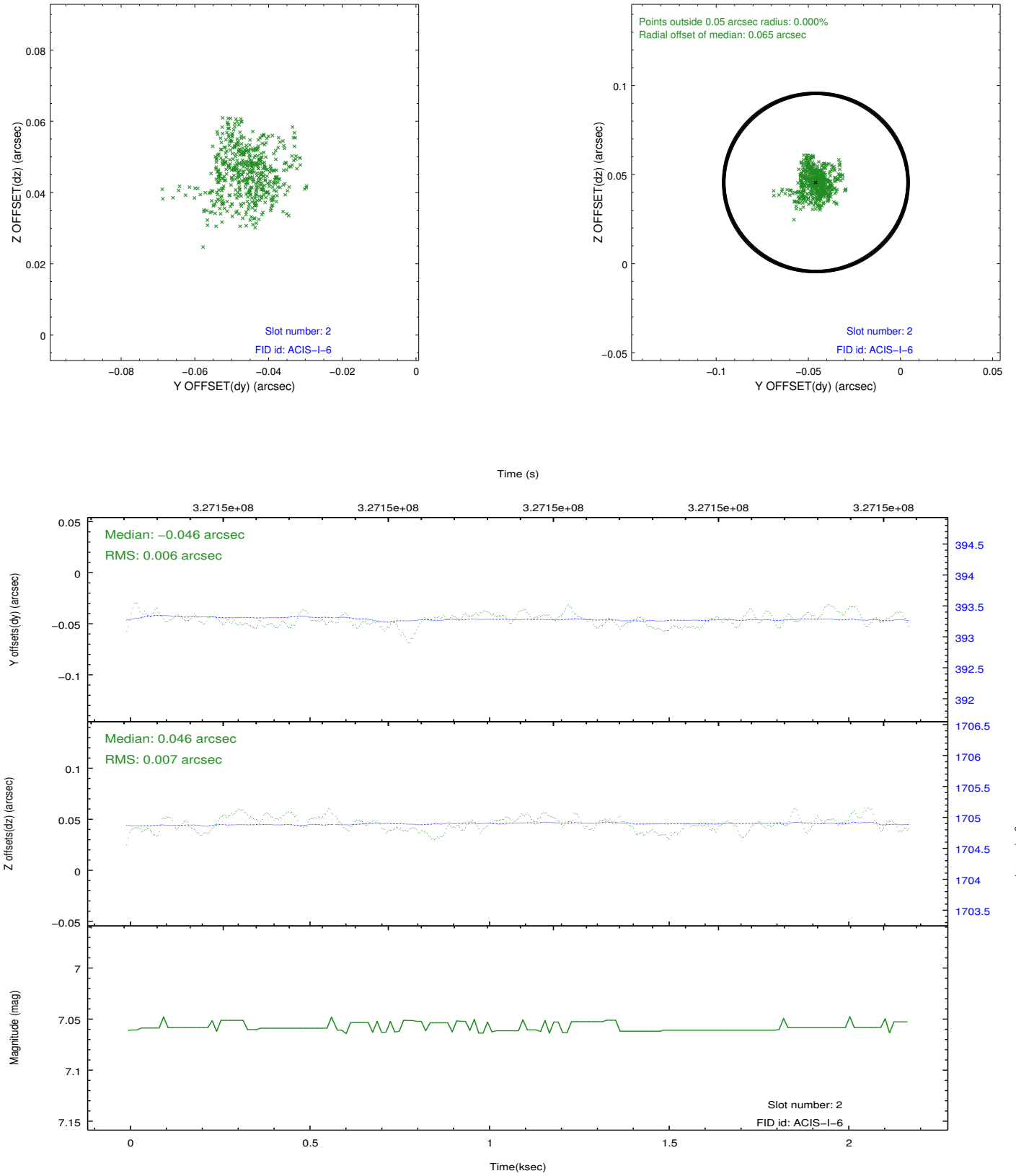
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

A.2 Comments

Joint proposal with NOAO.