

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9983 - L2 Version 2
Chandra X-Ray Center

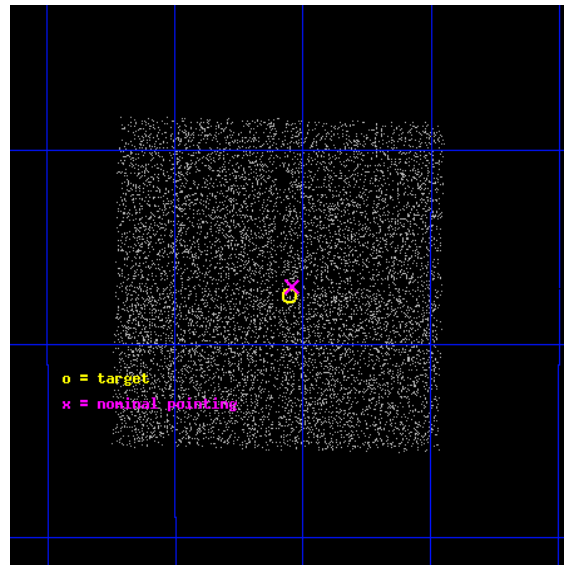
L2 Processing Date : Jun 1 2012

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1 Front

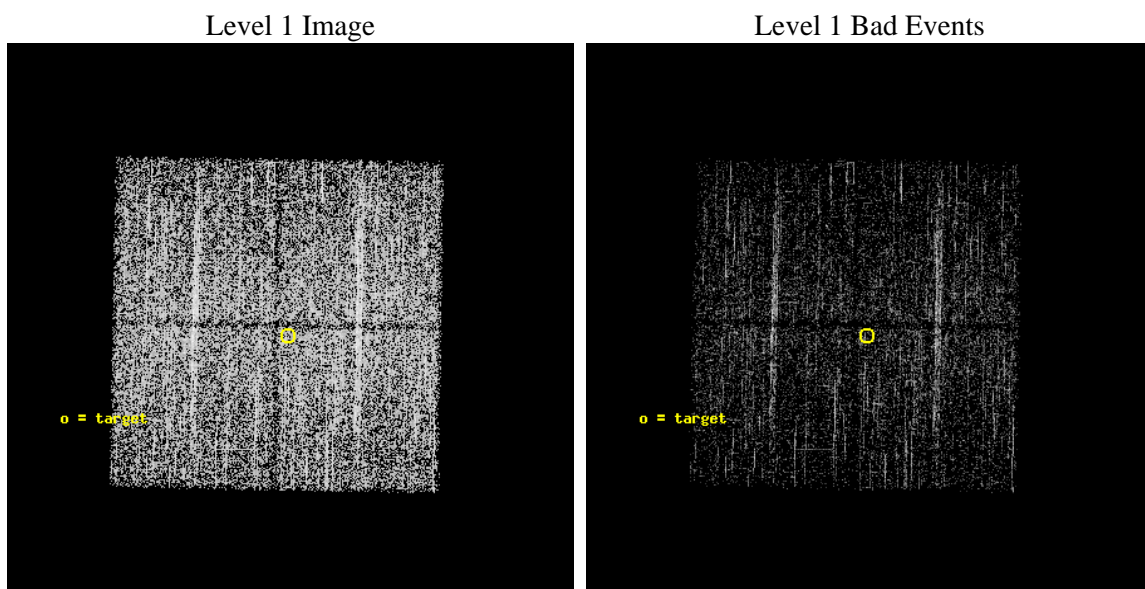
seq_num	400947	Sequence number
obs_id	9983	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.638792	Observer's specified target RA [deg]
dec_targ	-26.791556	Observer's specified target Dec [deg]
ra_nom	265.63601440276	Nominal RA [deg]
dec_nom	-26.784036085076	Nominal Dec [deg]
roll_nom	91.022689864152	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10321	Number of level 2 events



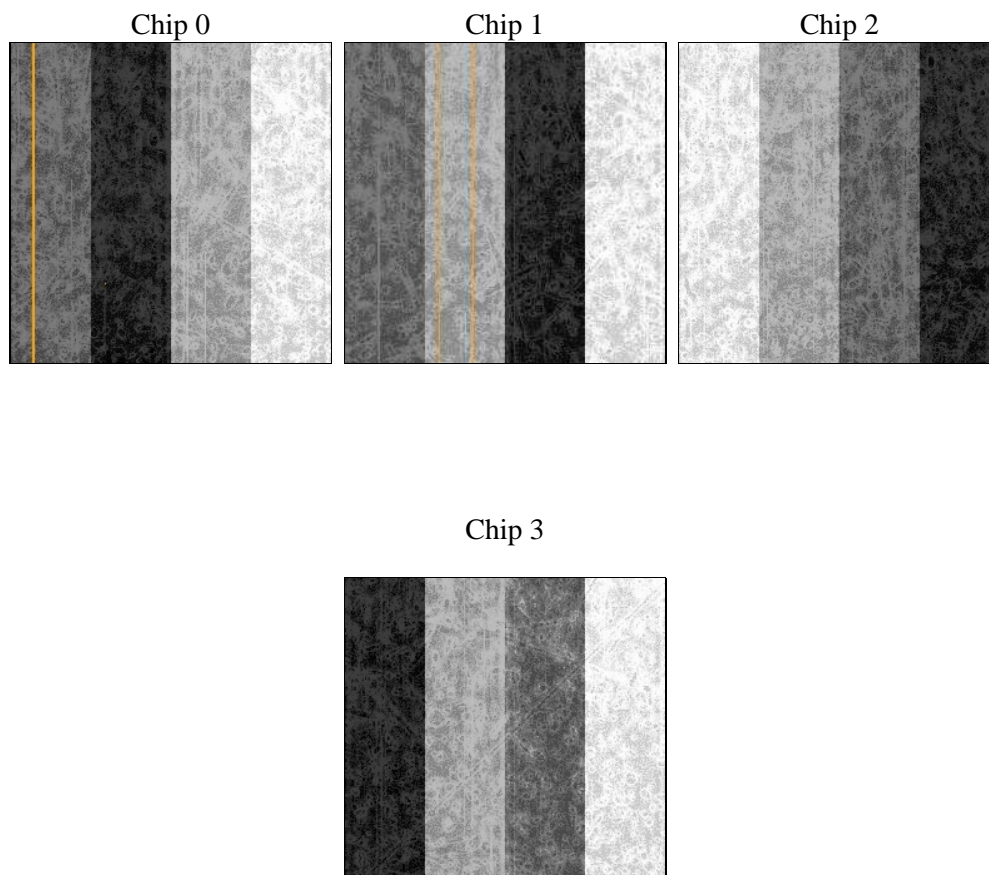
2 OBI

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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-06-01T08:02:40	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			l1events	100157	Number of level 1 events

2.1.4 Events

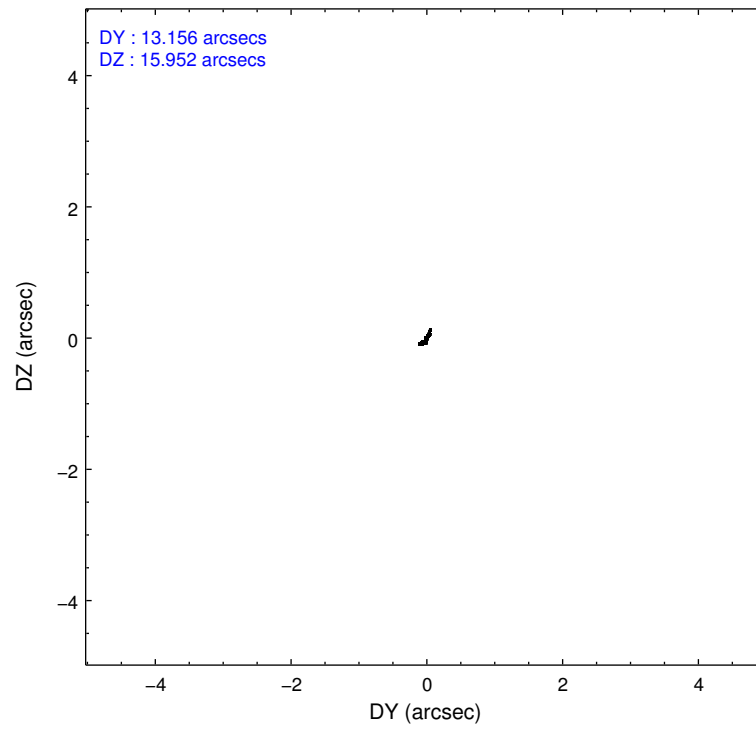
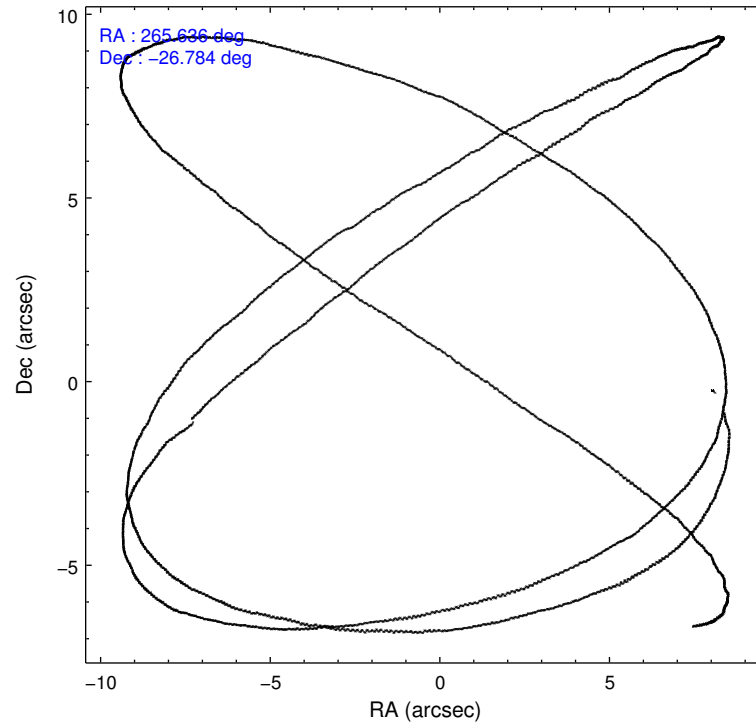
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24050	24404	25150	26553
rejected events	21122	21203	22191	23630
rejected %	87%	86%	88%	88%

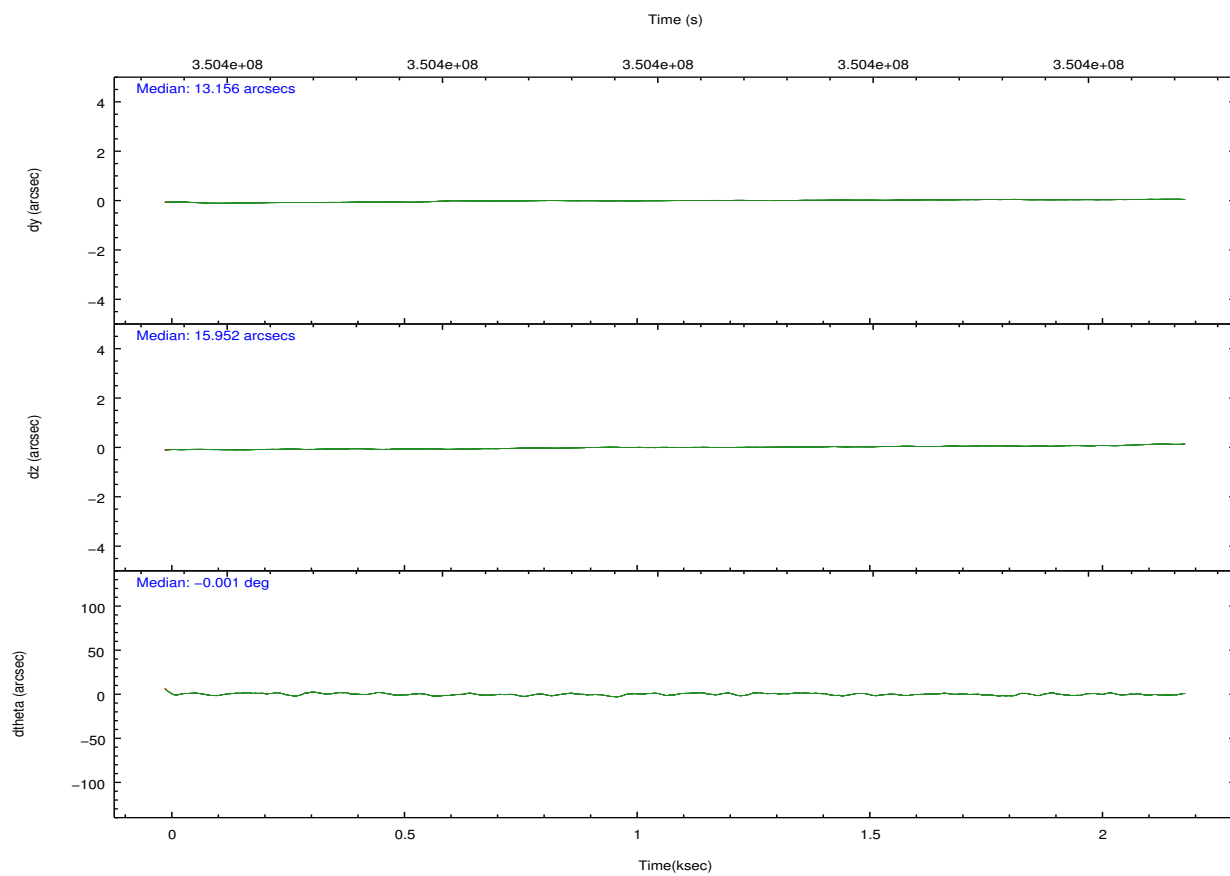
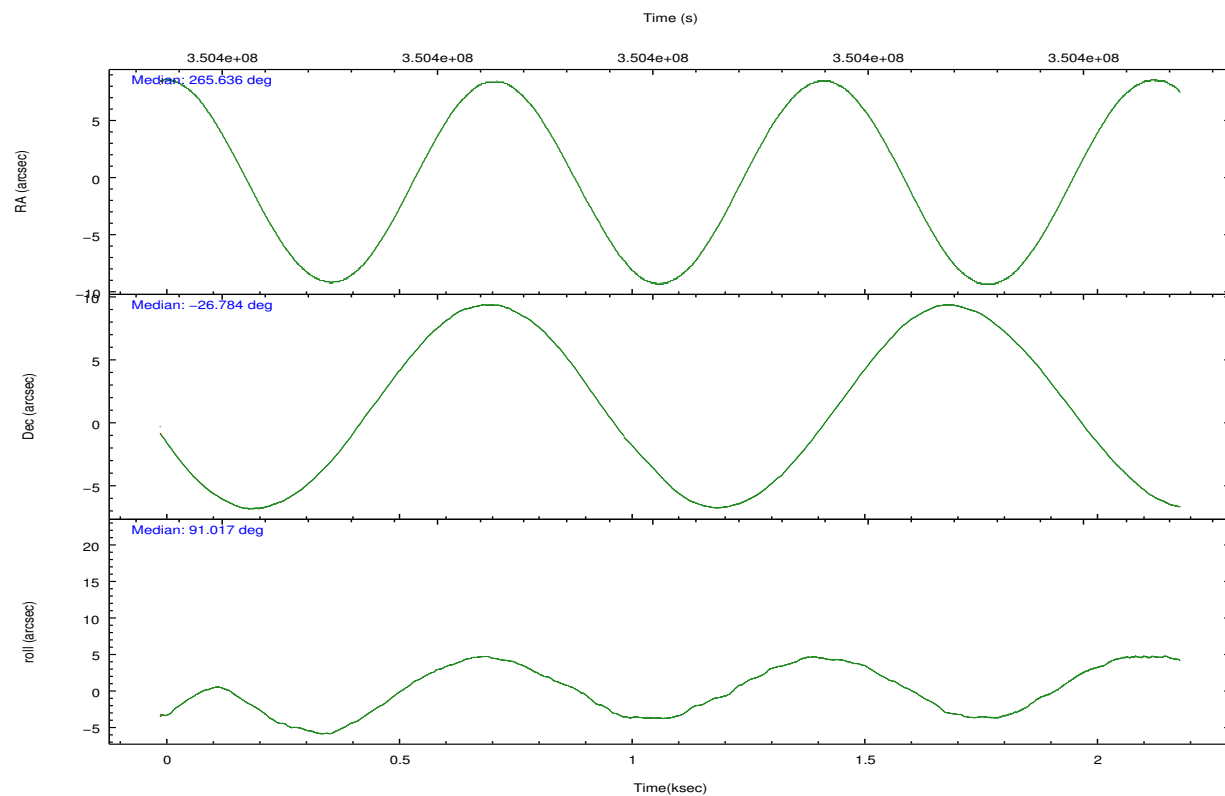
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1454	1451	1587	1535
	6%	5%	6%	5%
grade 1 events	15	15	8	20
	0%	0%	0%	0%
grade 2 events	744	818	722	635
	3%	3%	2%	2%
grade 3 events	312	345	264	289
	1%	1%	1%	1%
grade 4 events	309	319	289	299
	1%	1%	1%	1%
grade 5 events	1127	1155	1033	1235
	4%	4%	4%	4%
grade 6 events	547	700	513	575
	2%	2%	2%	2%
grade 7 events	19542	19601	20734	21965
	81%	80%	82%	82%

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	265.651932	265.6360144027578	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.807392	-26.78403608507628	Alternating exposures requested	N	N
[deg] Pointing Roll	90.821195	91.02268986415187	[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)	350402128.184000	350401752.82091			
Observation start date	2009-02-07T13:54:22	2009-02-07T13:49:12			
[s] Observation end time (MET)	350404128.184000	350404263.04603			
Observation end date	2009-02-07T14:27:42	2009-02-07T14:31:03			
Read mode	TIMED	TIMED			

2.3 Aspect



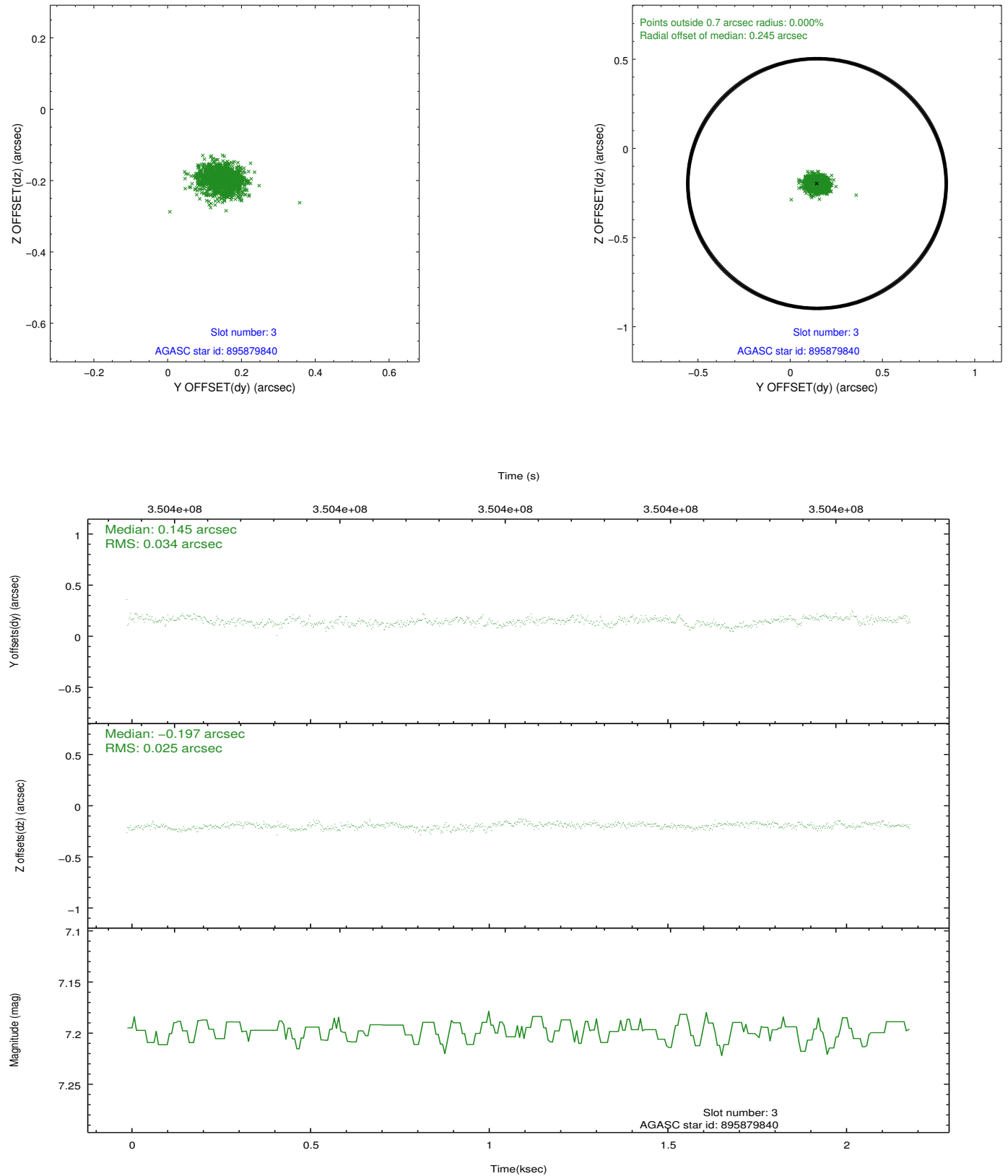


Slot Statistics

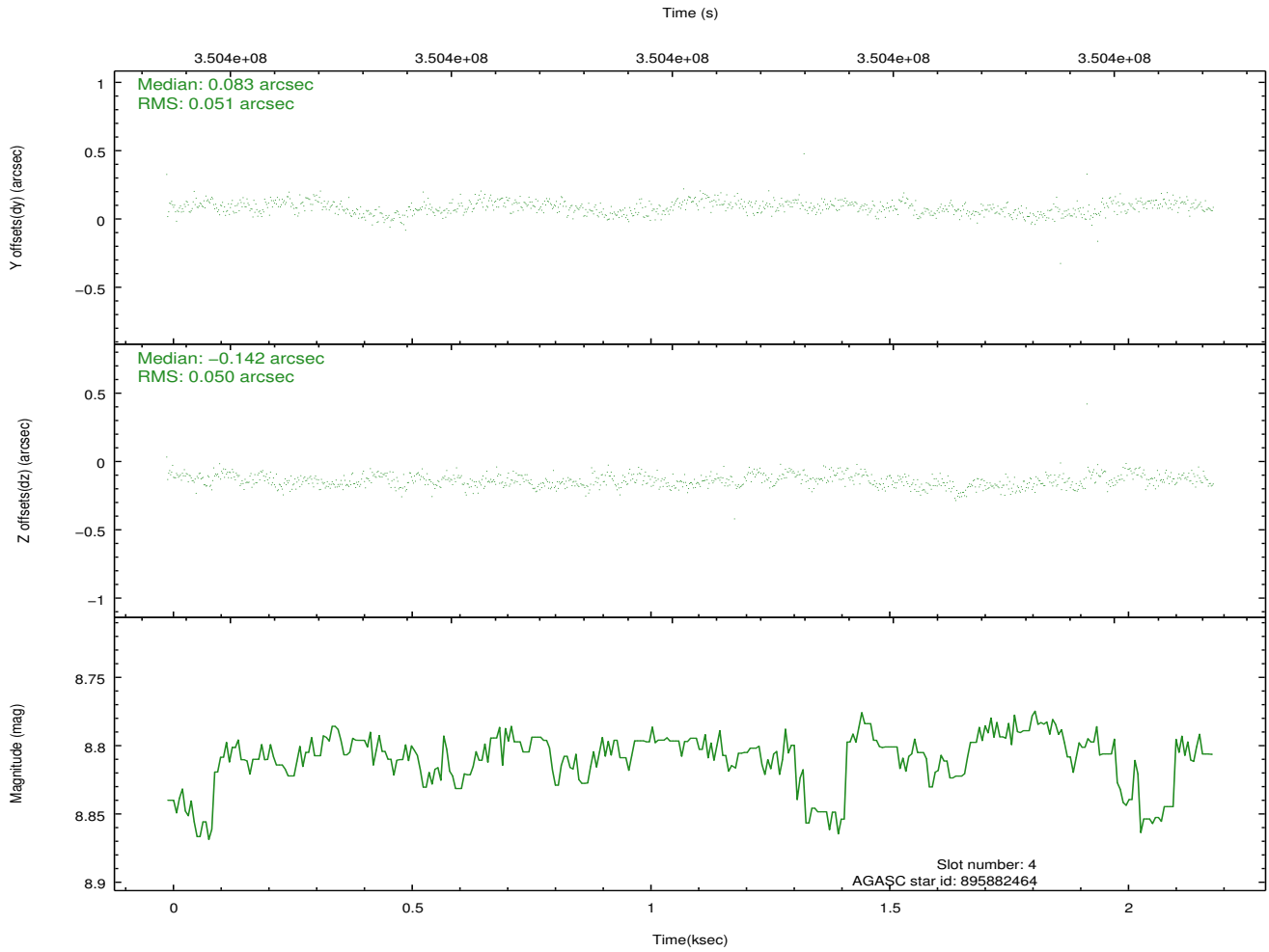
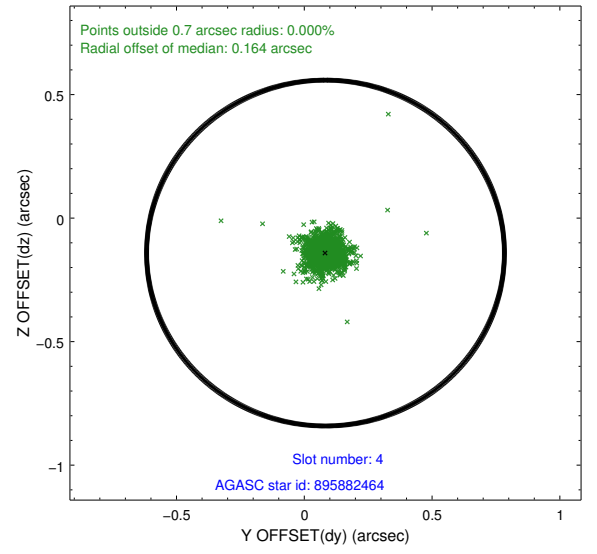
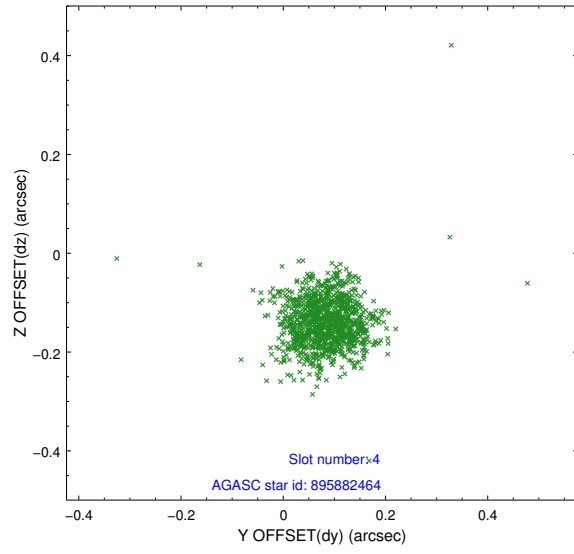
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	535	-0.054	0.015	0.009	0.014	0.000000	0.000000	926.30	-839.57
1	FID	ACIS-I-2	6.97	535	-0.130	-0.054	0.007	0.010	0.000000	0.000000	-766.22	-847.55
2	FID	ACIS-I-4	6.97	535	0.086	0.106	0.007	0.012	0.000000	0.000000	2144.99	1058.81
3	GUIDE	895879840	7.20	1069	0.145	-0.197	0.044	0.071	265.218397	-27.395778	-2099.85	1416.16
4	GUIDE	895882464	8.81	1069	0.083	-0.142	0.069	0.112	265.568948	-26.820420	-44.30	268.80
5	GUIDE	896015344	9.09	1066	-0.006	0.066	0.086	0.137	265.913290	-26.611586	692.72	-850.46
6	GUIDE	896015880	8.52	1070	-0.382	0.158	0.076	0.119	265.986633	-26.306686	1786.63	-1105.99
7	GUIDE	896013720	9.53	1067	0.159	0.113	0.110	0.185	265.847626	-27.261422	-1641.15	-603.50

2.4 Star Slots

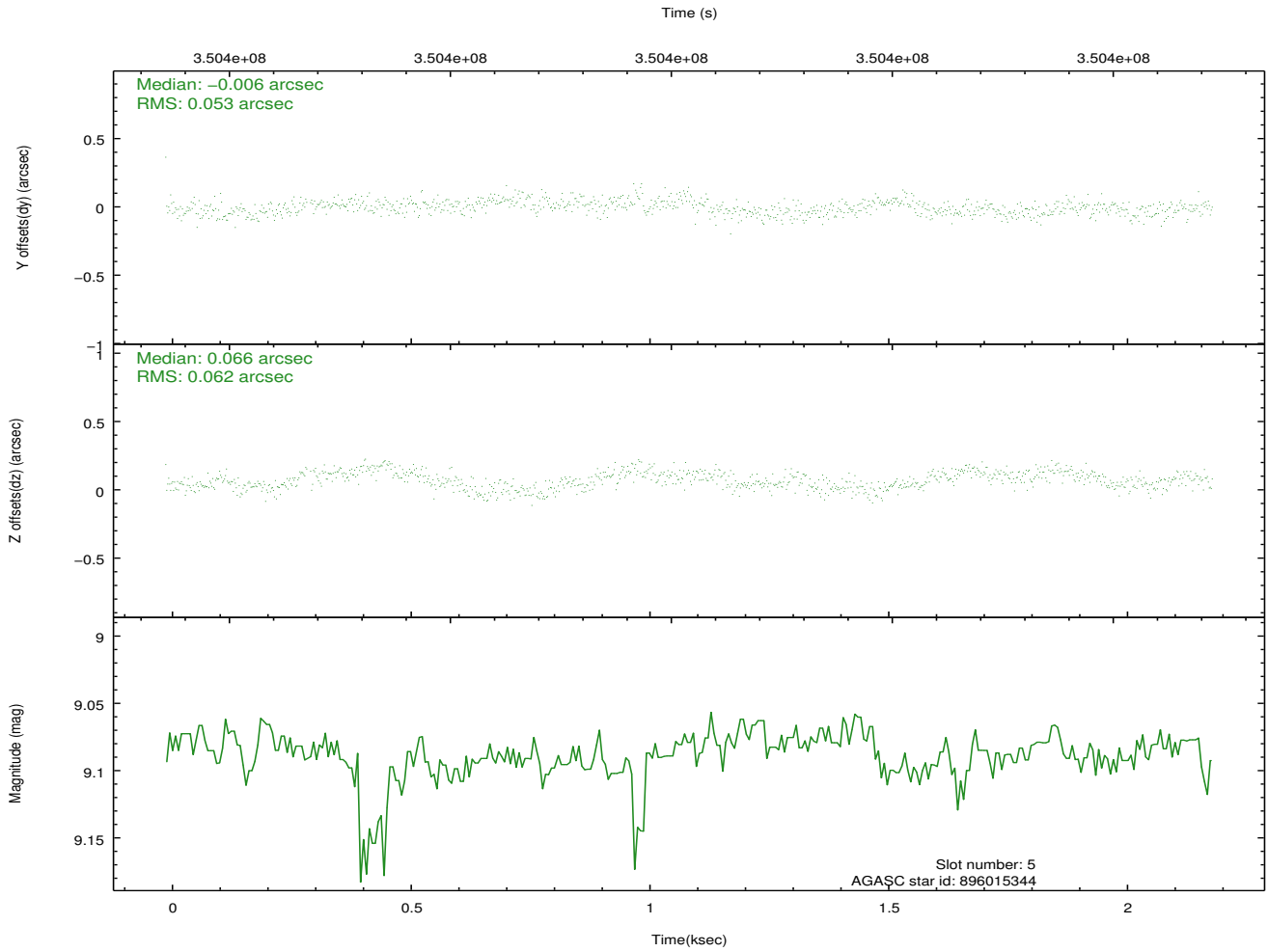
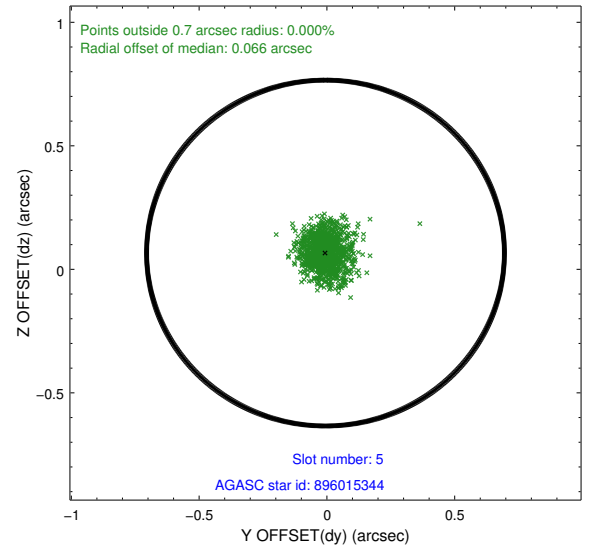
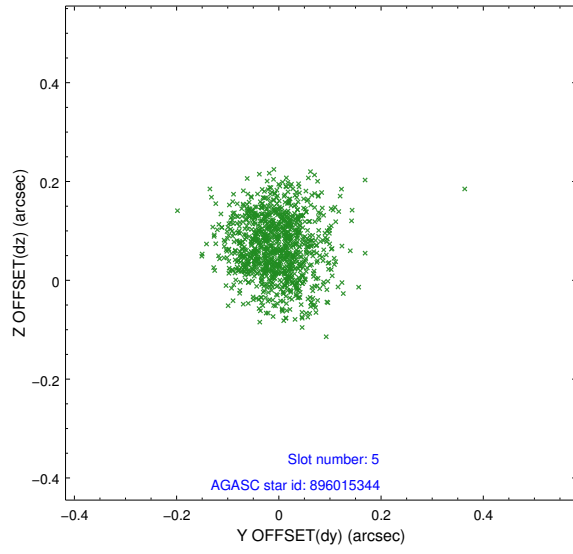
2.4.1 Slot 3



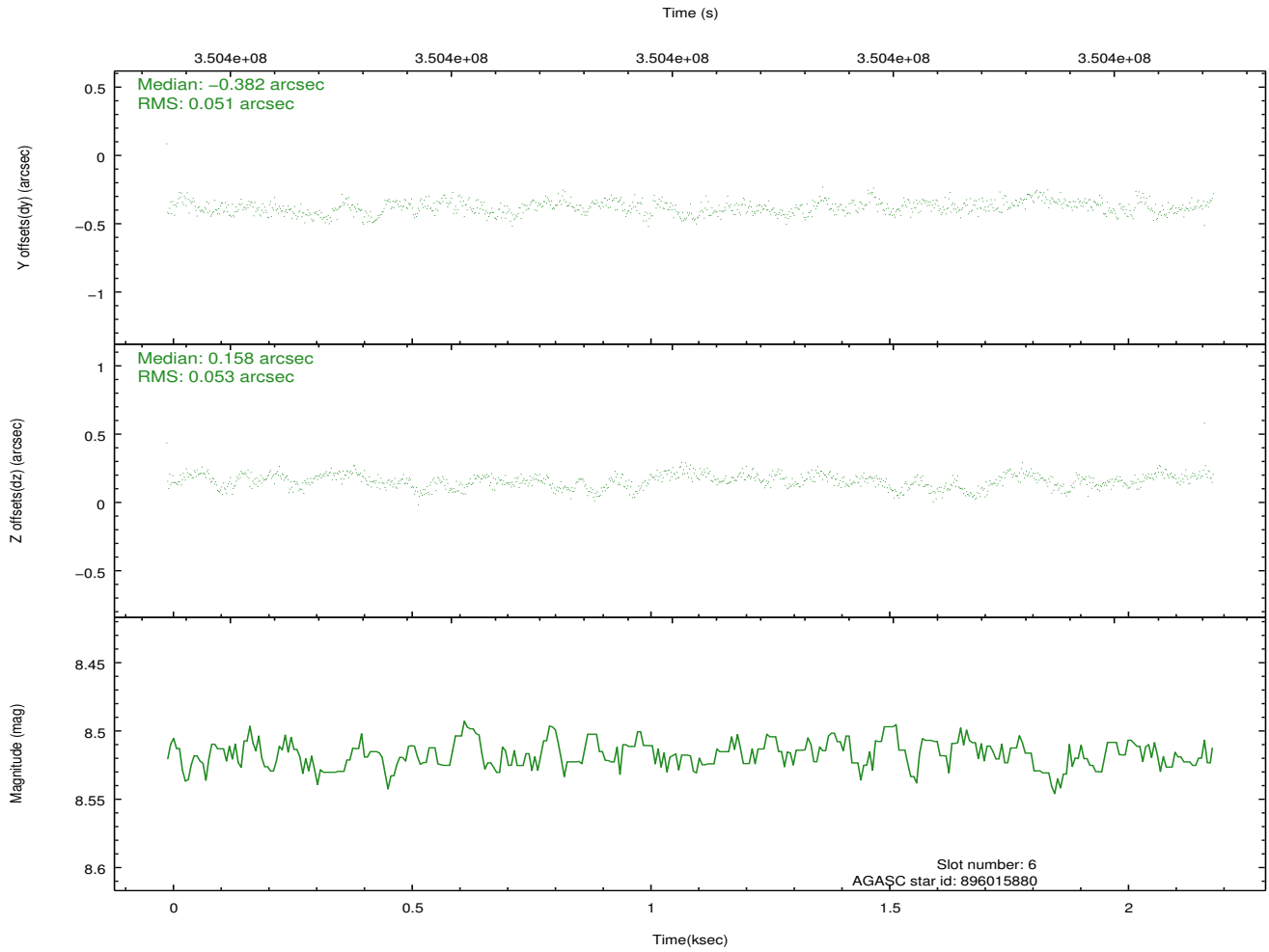
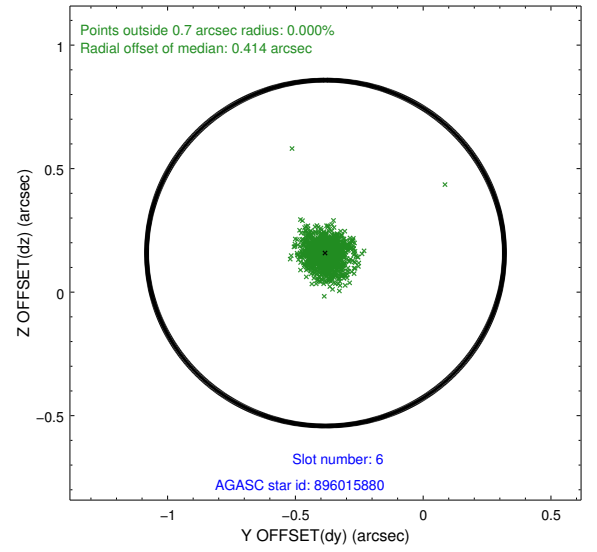
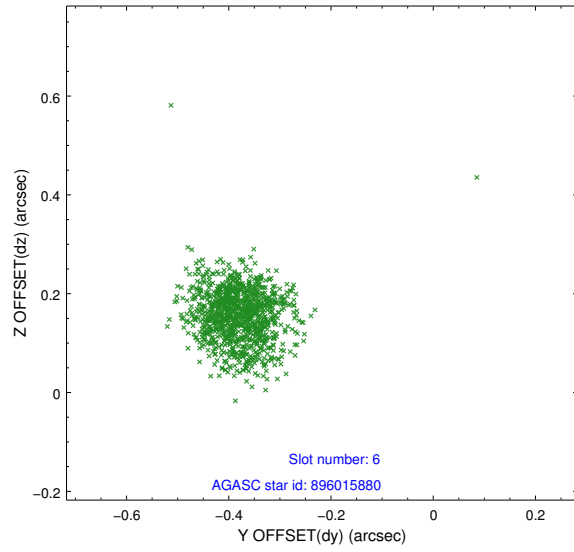
2.4.2 Slot 4



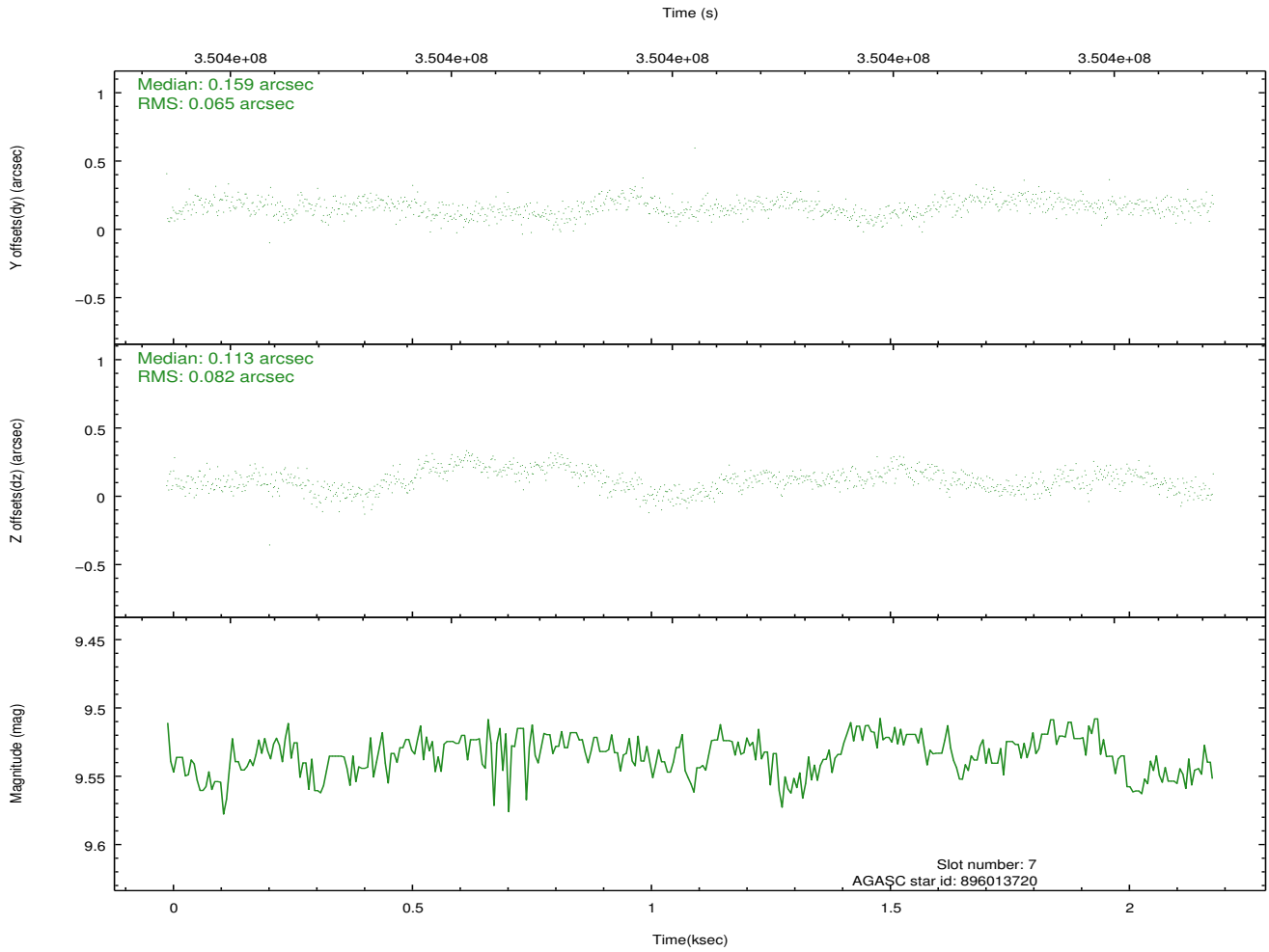
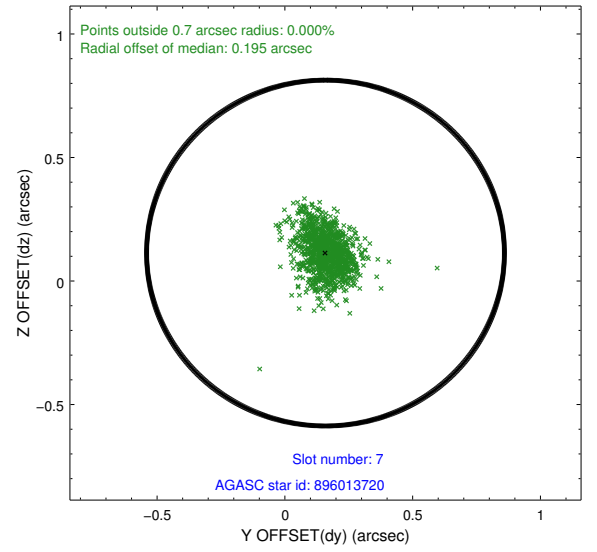
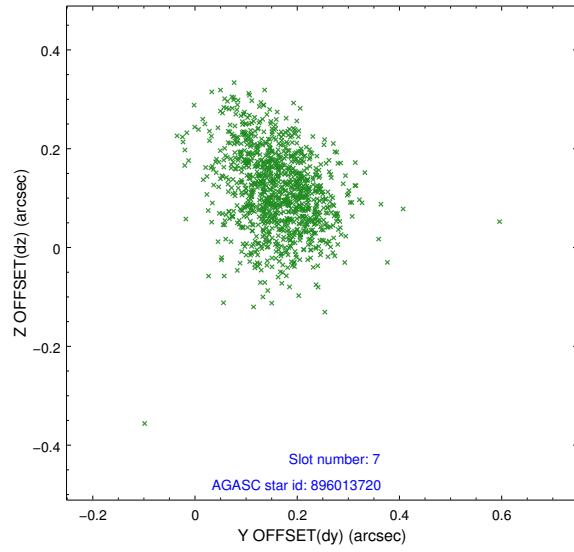
2.4.3 Slot 5



2.4.4 Slot 6

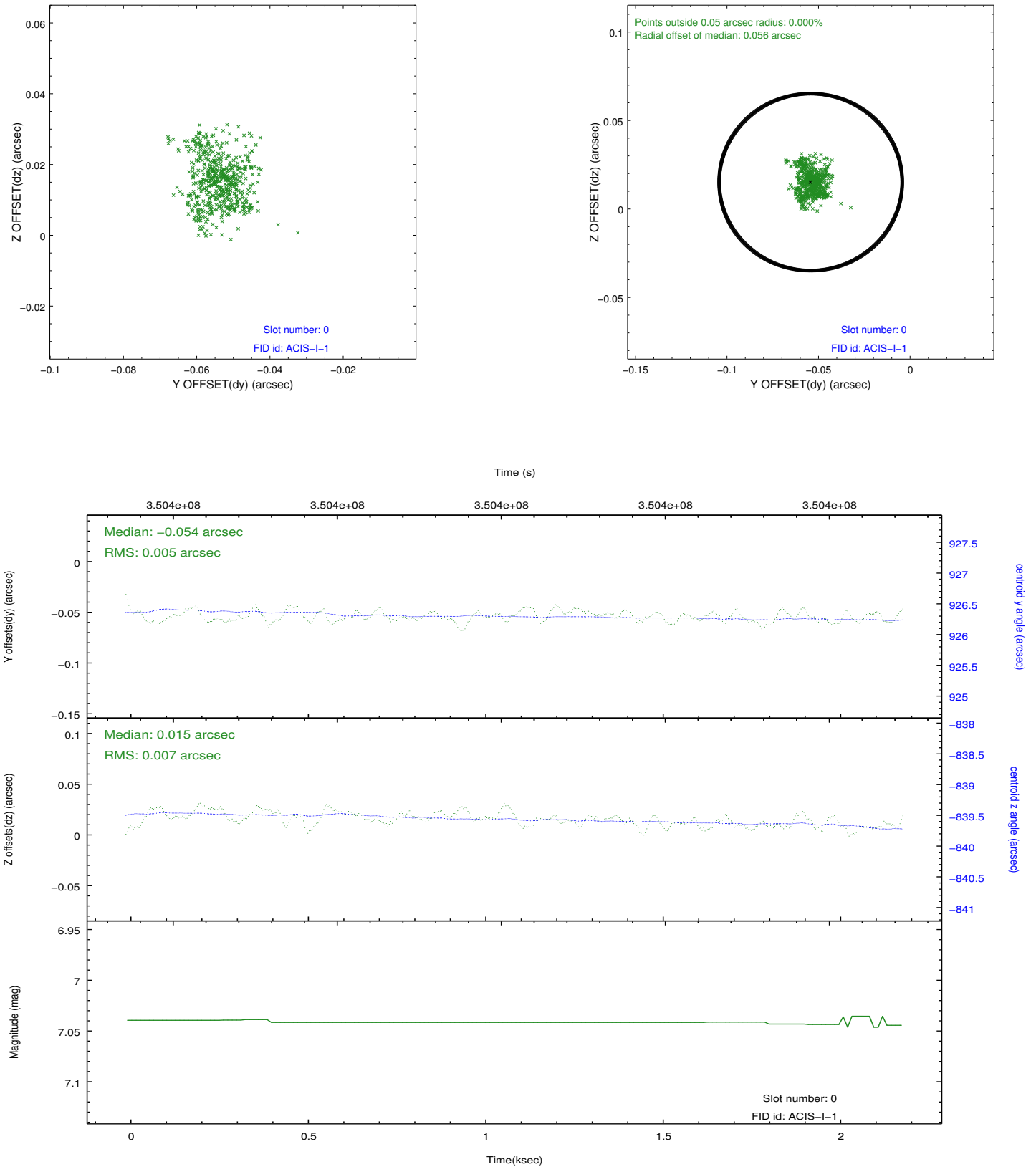


2.4.5 Slot 7

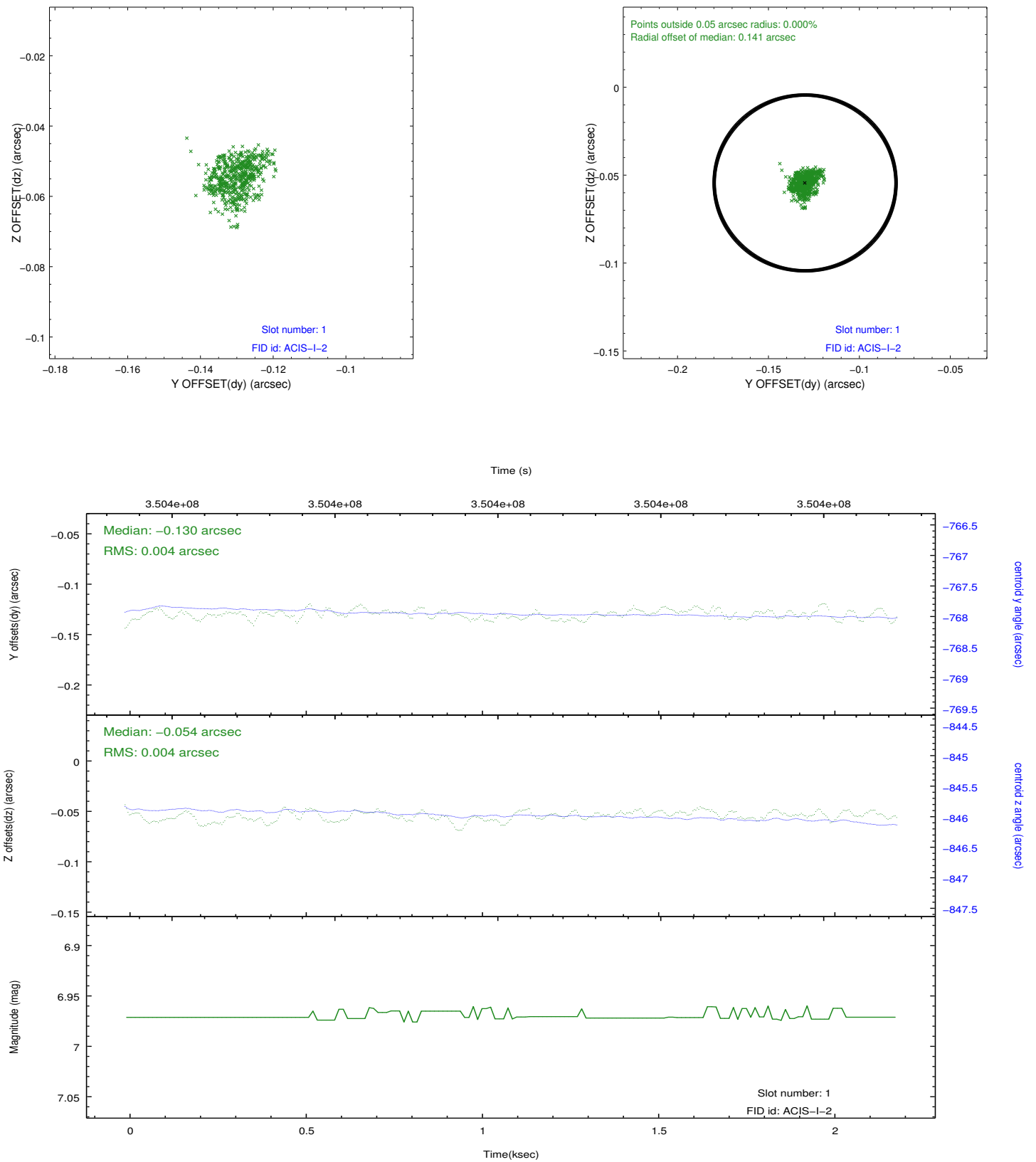


2.5 FID Slots

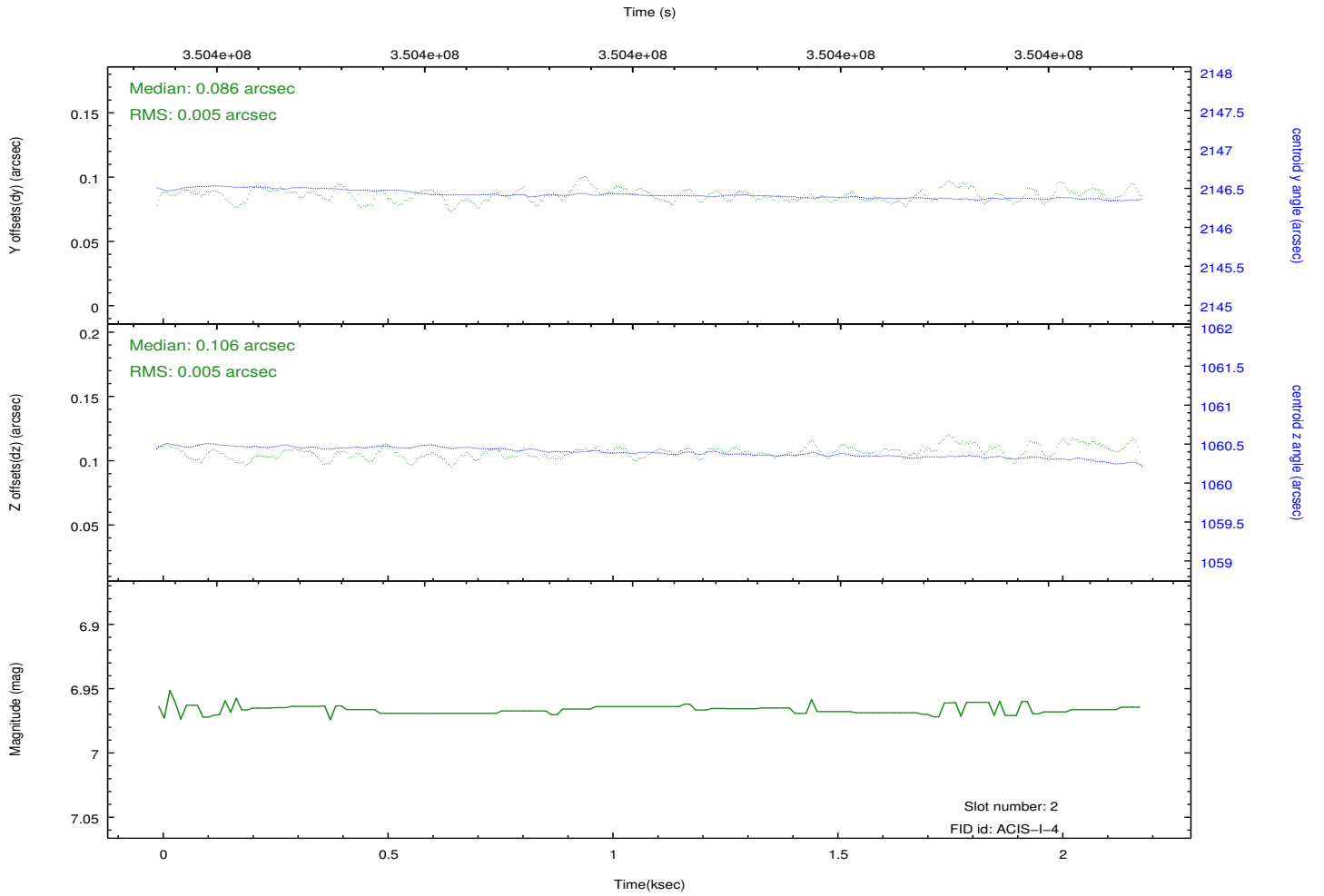
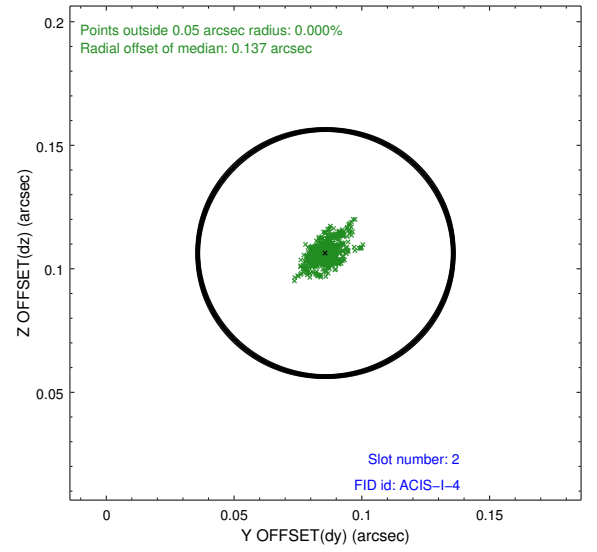
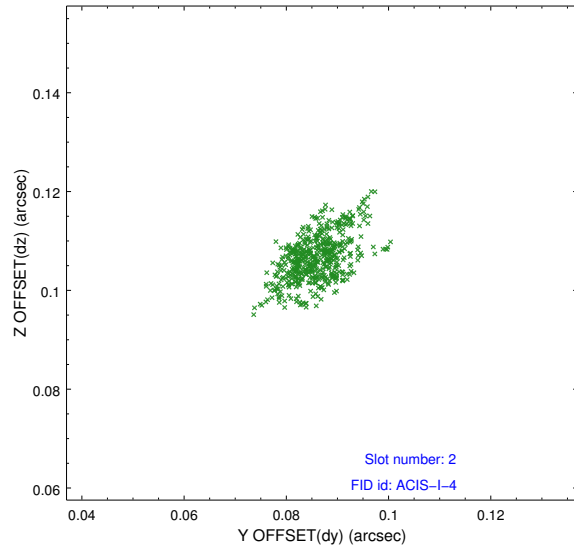
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint Proposal: NOAO