

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13574 - L2 Version 2
Chandra X-Ray Center

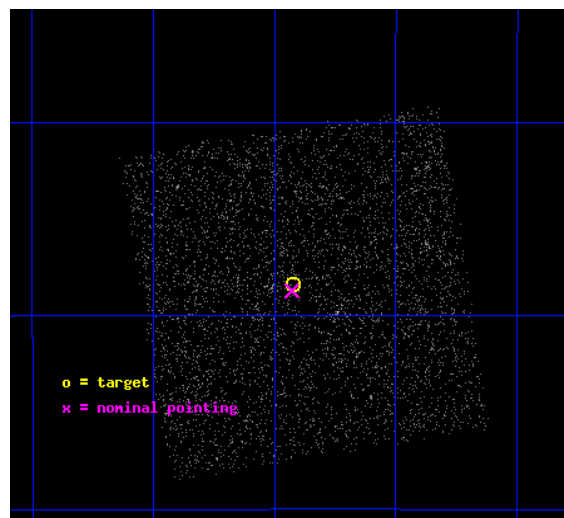
L2 Processing Date : Feb 25 2012

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

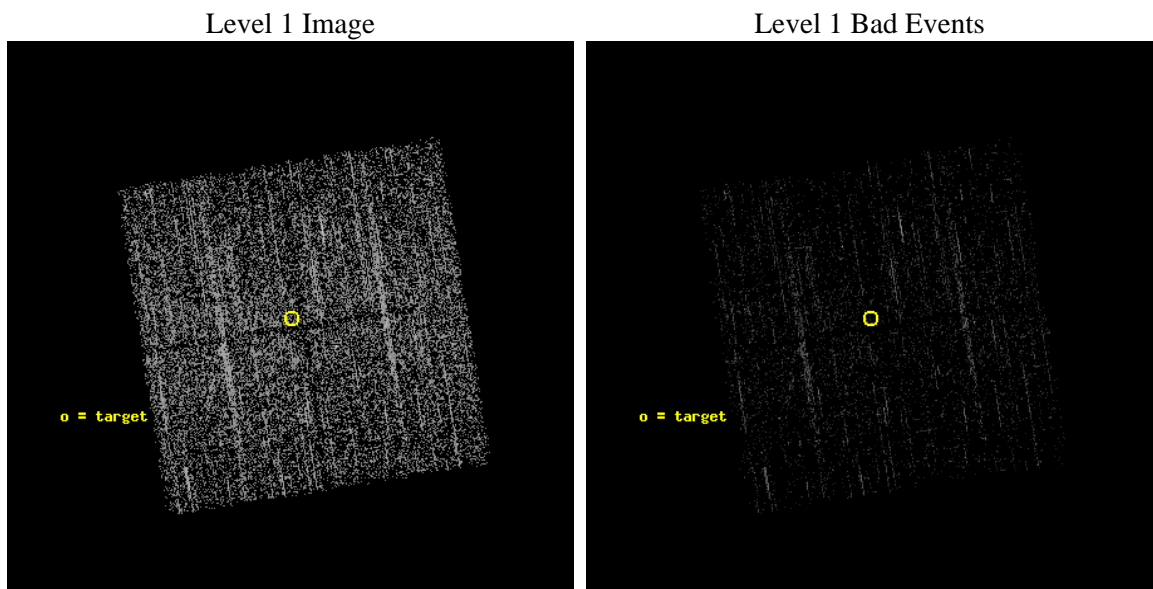
seq_num	401350	Sequence number
obs_id	13574	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.605309	Observer's specified target RA [deg]
dec_targ	-32.30658	Observer's specified target Dec [deg]
ra_nom	266.6072638644	Nominal RA [deg]
dec_nom	-32.312028538982	Nominal Dec [deg]
roll_nom	261.03492616099	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1971.6000151634	Sum of GTIs [s]
livetime	1945.8396094945	Livetime [s]
ontime0	1971.6000151634	Sum of GTIs [s]
ontime1	1971.6000151634	Sum of GTIs [s]
ontime2	1971.6000151634	Sum of GTIs [s]
ontime3	1971.6000151634	Sum of GTIs [s]
l2events	5142	Number of level 2 events



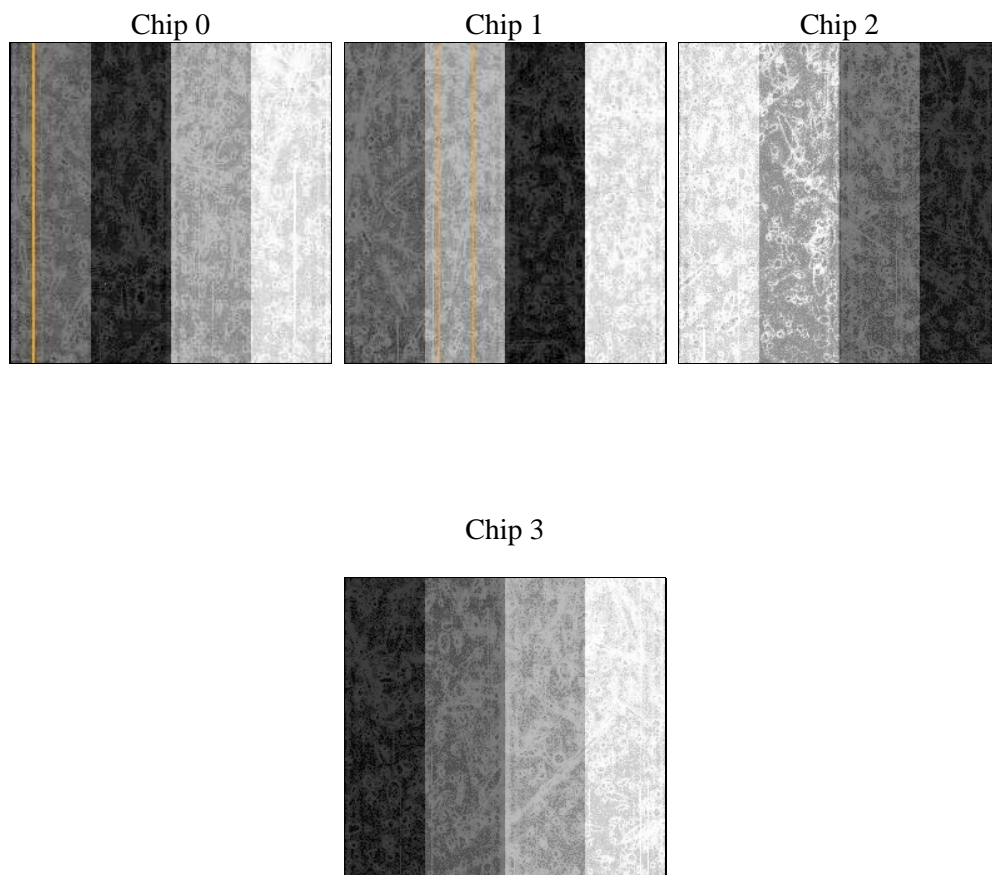
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1971.6000151634	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1971.6000151634	Sum of GTIs [s]
date	2012-02-26T01:17:34	Date and time of file creation	ontime1	1971.6000151634	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1971.6000151634	Sum of GTIs [s]
			ontime3	1971.6000151634	Sum of GTIs [s]
			l1events	43955	Number of level 1 events

2.1.4 Events

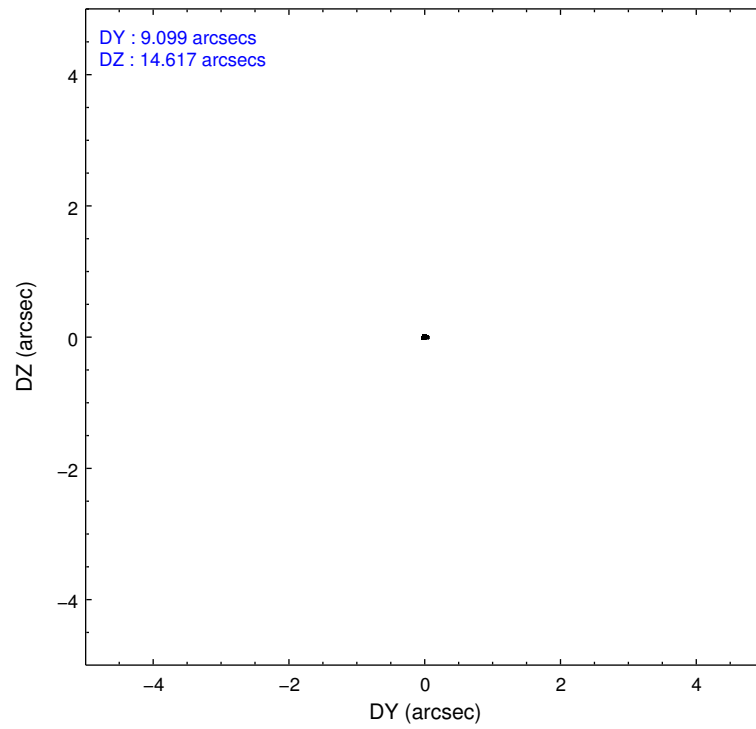
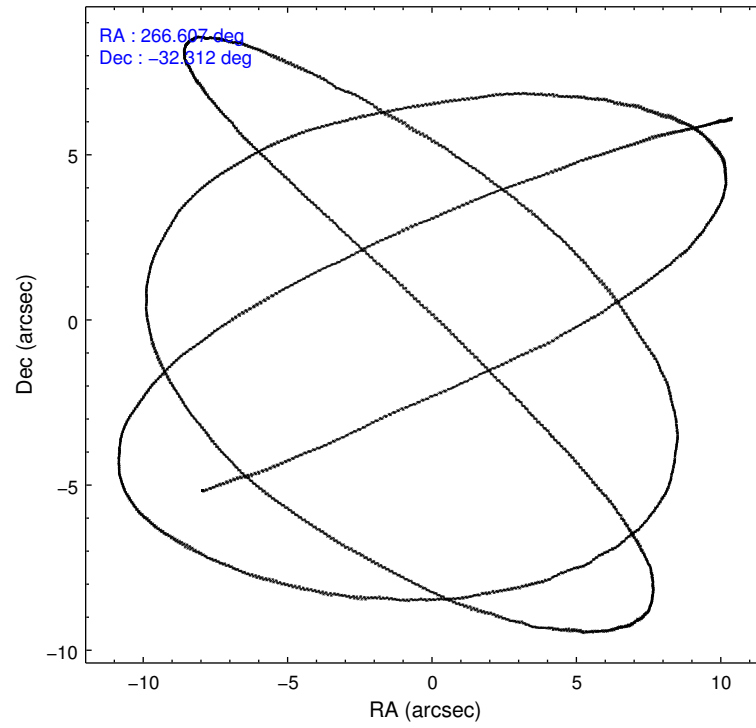
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10204	11466	11226	11059
rejected events	8652	9853	9804	9585
rejected %	84%	85%	87%	86%

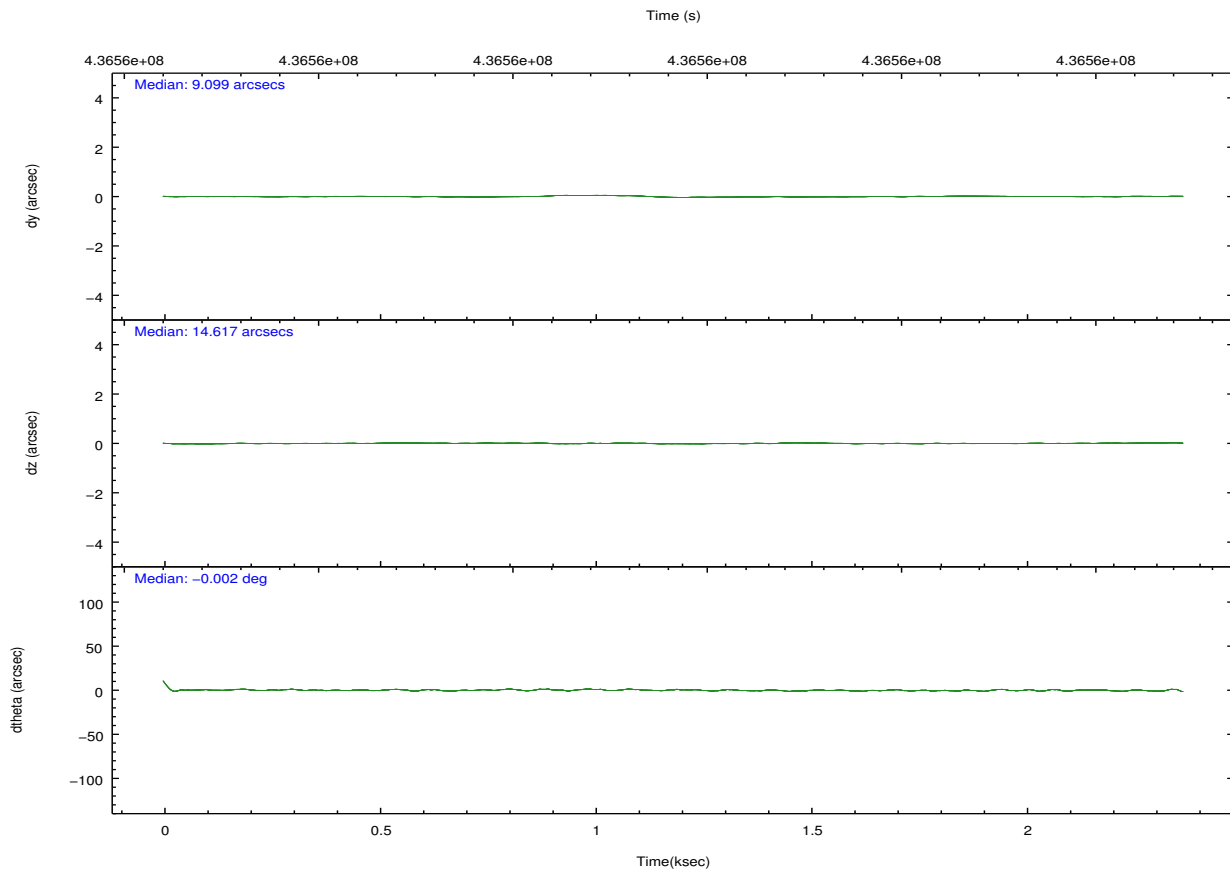
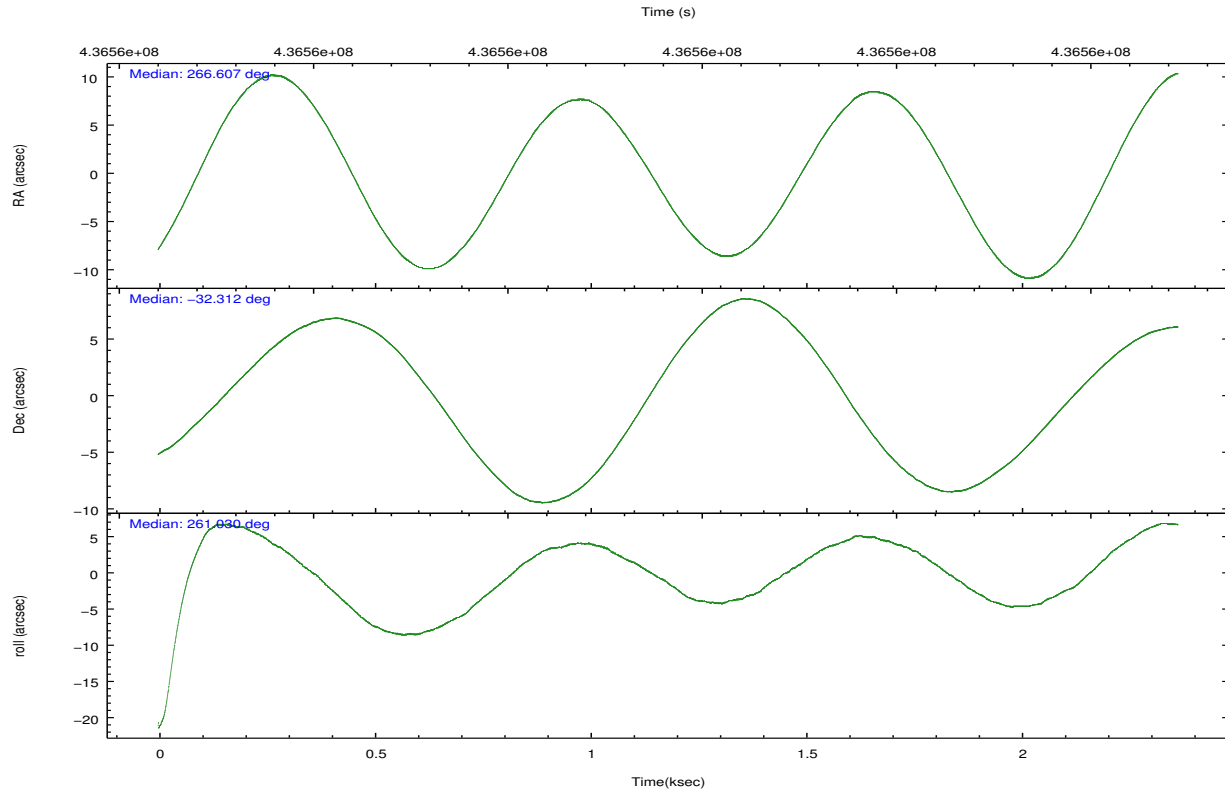
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	627	614	579	616
	6%	5%	5%	5%
grade 1 events	8	8	10	12
	0%	0%	0%	0%
grade 2 events	378	366	303	290
	3%	3%	2%	2%
grade 3 events	151	167	147	147
	1%	1%	1%	1%
grade 4 events	140	154	135	152
	1%	1%	1%	1%
grade 5 events	516	560	529	578
	5%	4%	4%	5%
grade 6 events	261	315	260	273
	2%	2%	2%	2%
grade 7 events	8123	9282	9263	8991
	79%	80%	82%	81%

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	266.595366	266.6072638643956	Subarray requested	NONE	NONE
[deg] Pointing Dec	-32.286485	-32.31202853898244	Alternating exposures requested	N	N
[deg] Pointing Roll	260.819913	261.0349261609907	[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)	436561909.184000	436561533.09654			
Observation start date	2011-11-01T19:10:43	2011-11-01T19:05:33			
[s] Observation end time (MET)	436564089.184000	436564243.19668			
Observation end date	2011-11-01T19:47:03	2011-11-01T19:50:43			
Read mode	TIMED	TIMED			

2.3 Aspect



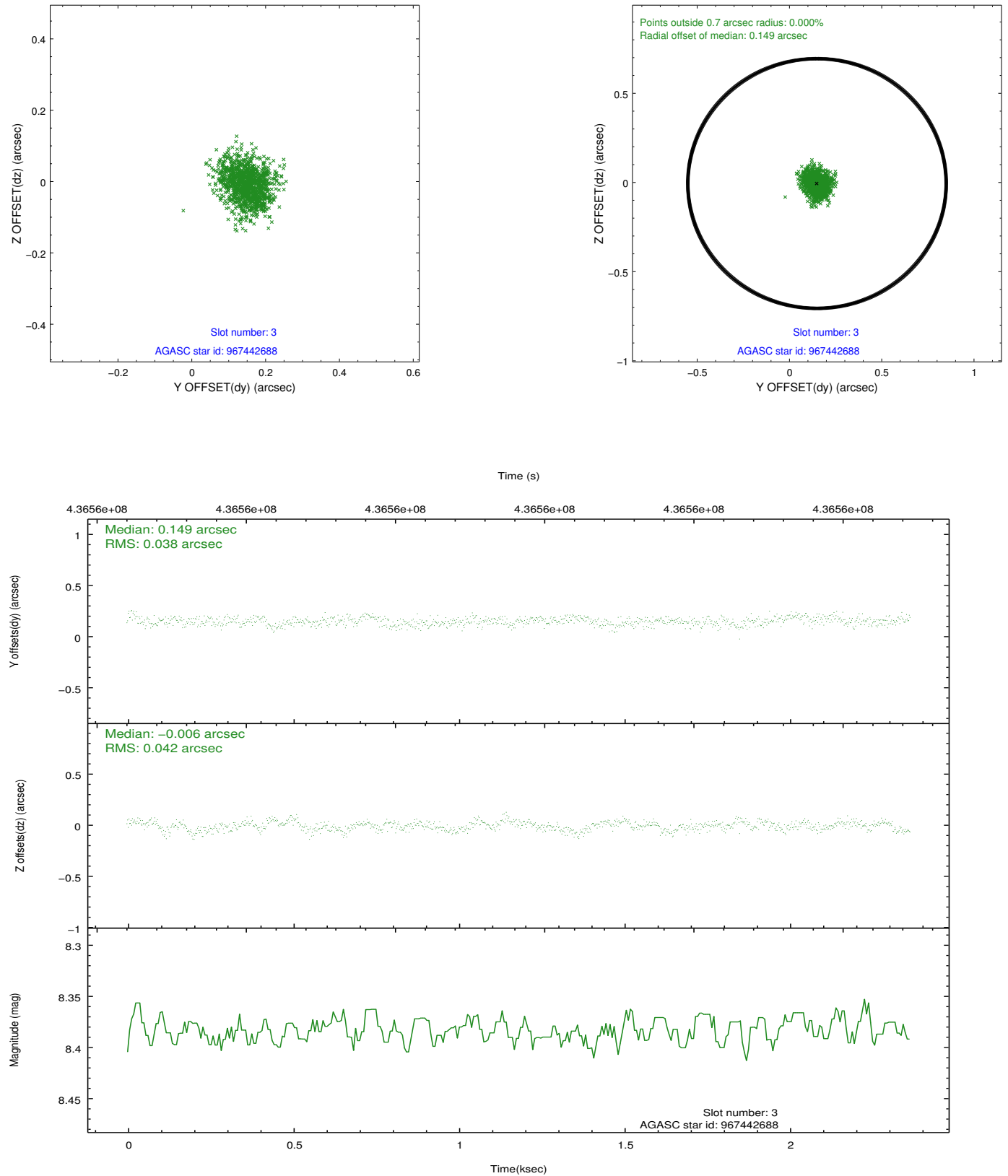


Slot Statistics

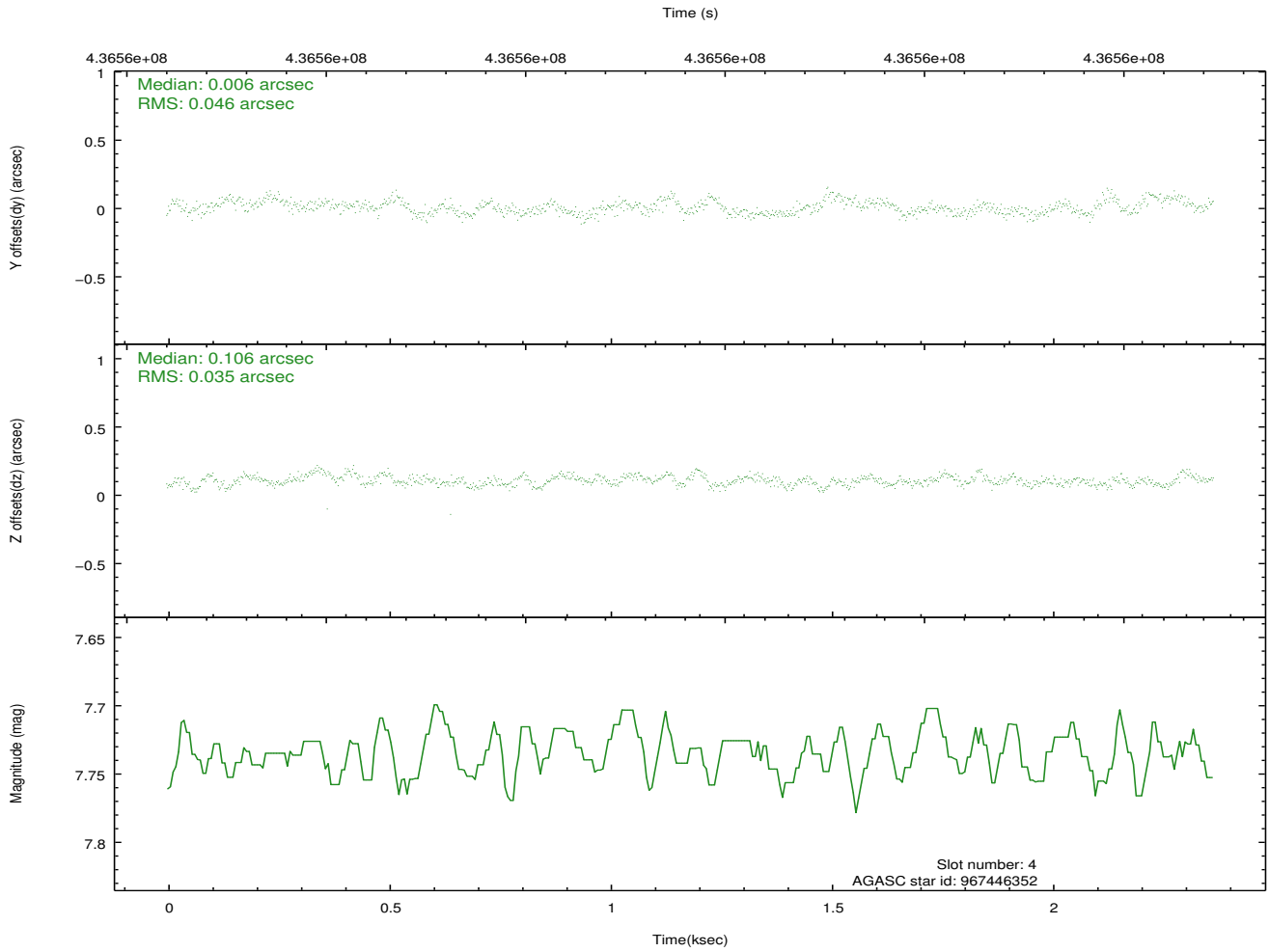
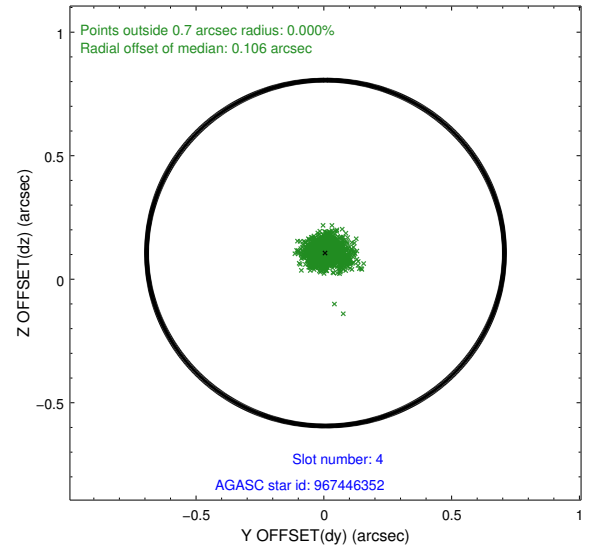
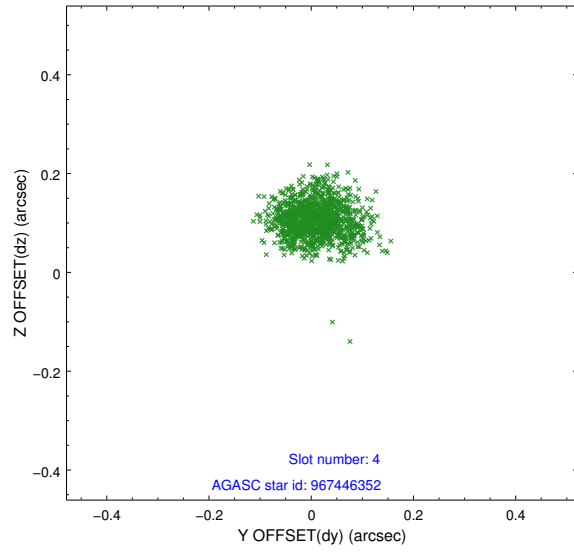
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.94	577	-0.091	-0.094	0.009	0.015	0.000000	0.000000	-763.74	-844.67
1	FID	ACIS-I-4	6.94	577	0.189	0.080	0.007	0.011	0.000000	0.000000	2149.34	1060.29
2	FID	ACIS-I-5	7.01	577	-0.198	0.083	0.008	0.014	0.000000	0.000000	-1814.15	1061.27
3	GUIDE	967442688	8.38	1155	0.149	-0.006	0.061	0.097	266.096113	-32.373763	556.85	-1447.87
4	GUIDE	967446352	7.74	1155	0.006	0.106	0.063	0.097	267.069988	-32.671157	1142.39	1639.96
5	GUIDE	967450832	9.10	1149	-0.064	-0.171	0.092	0.145	266.078096	-31.879979	-1186.87	-1792.85
6	GUIDE	966927176	9.01	1147	-0.160	0.032	0.095	0.149	265.946853	-31.673679	-1855.28	-2314.33
7	GUIDE	966926896	9.18	1154	0.068	0.034	0.113	0.176	266.197771	-31.663459	-2018.30	-1562.43

2.4 Star Slots

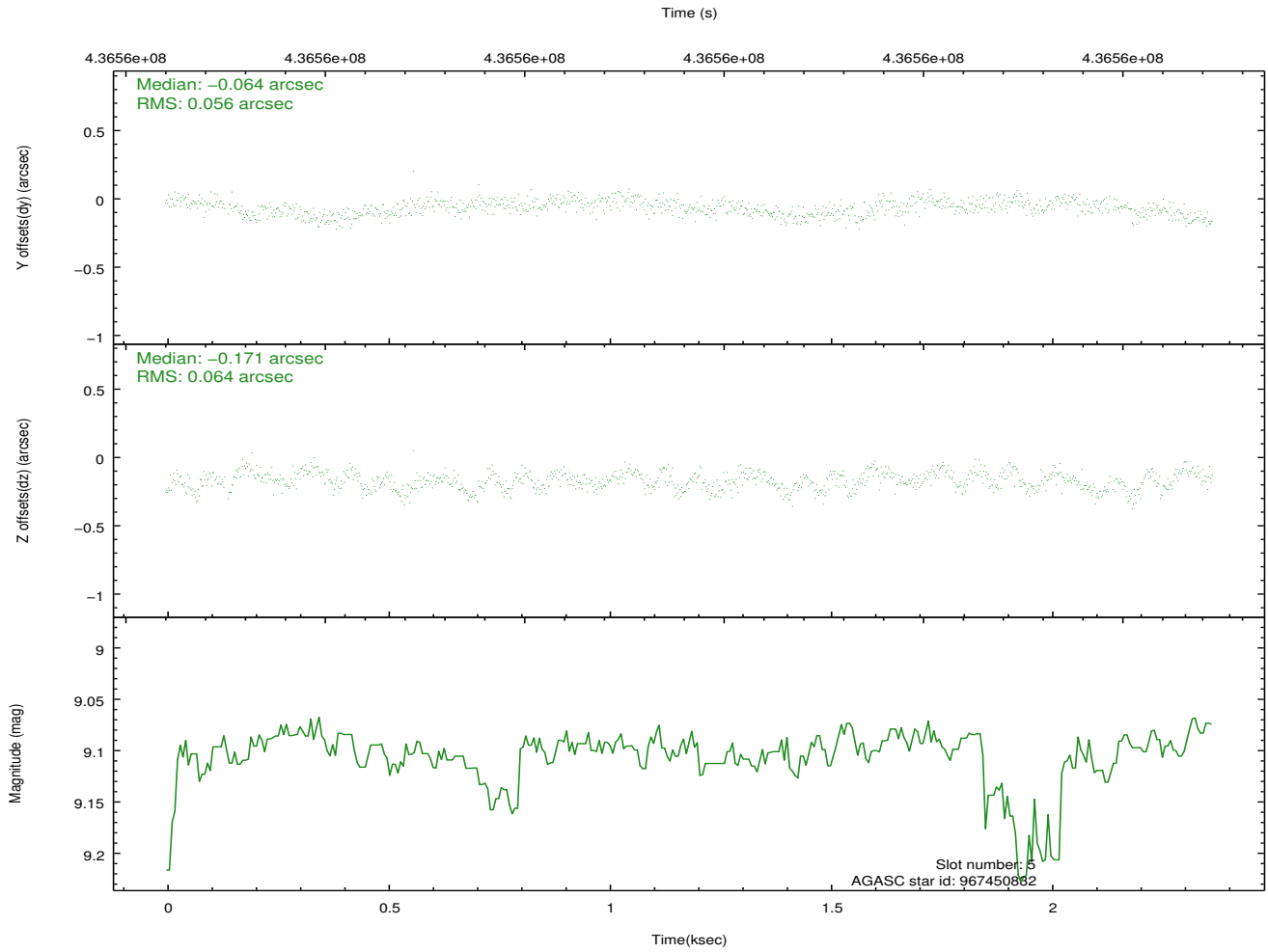
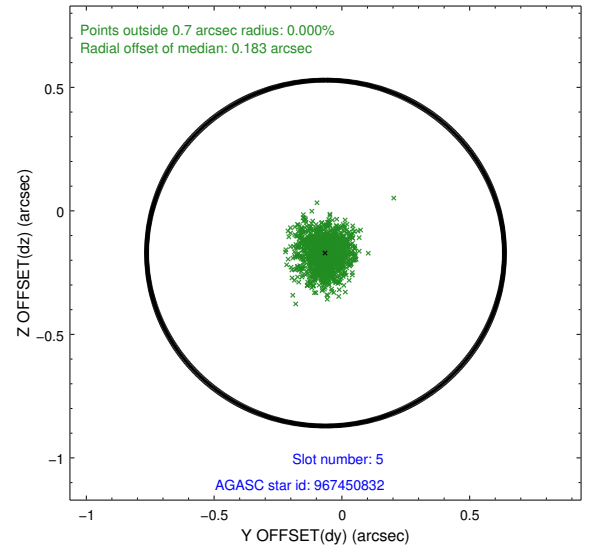
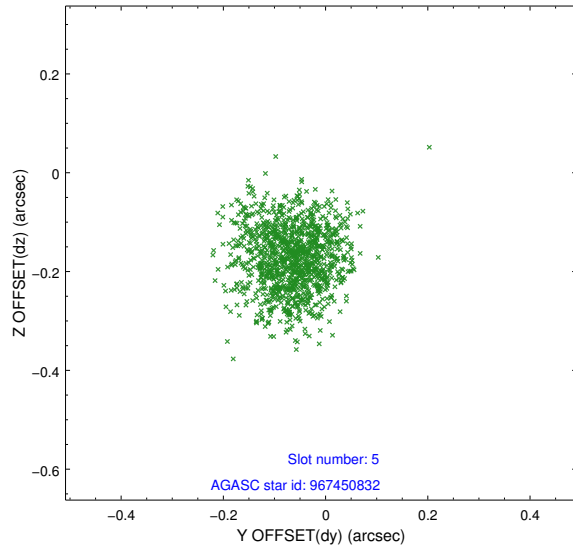
2.4.1 Slot 3



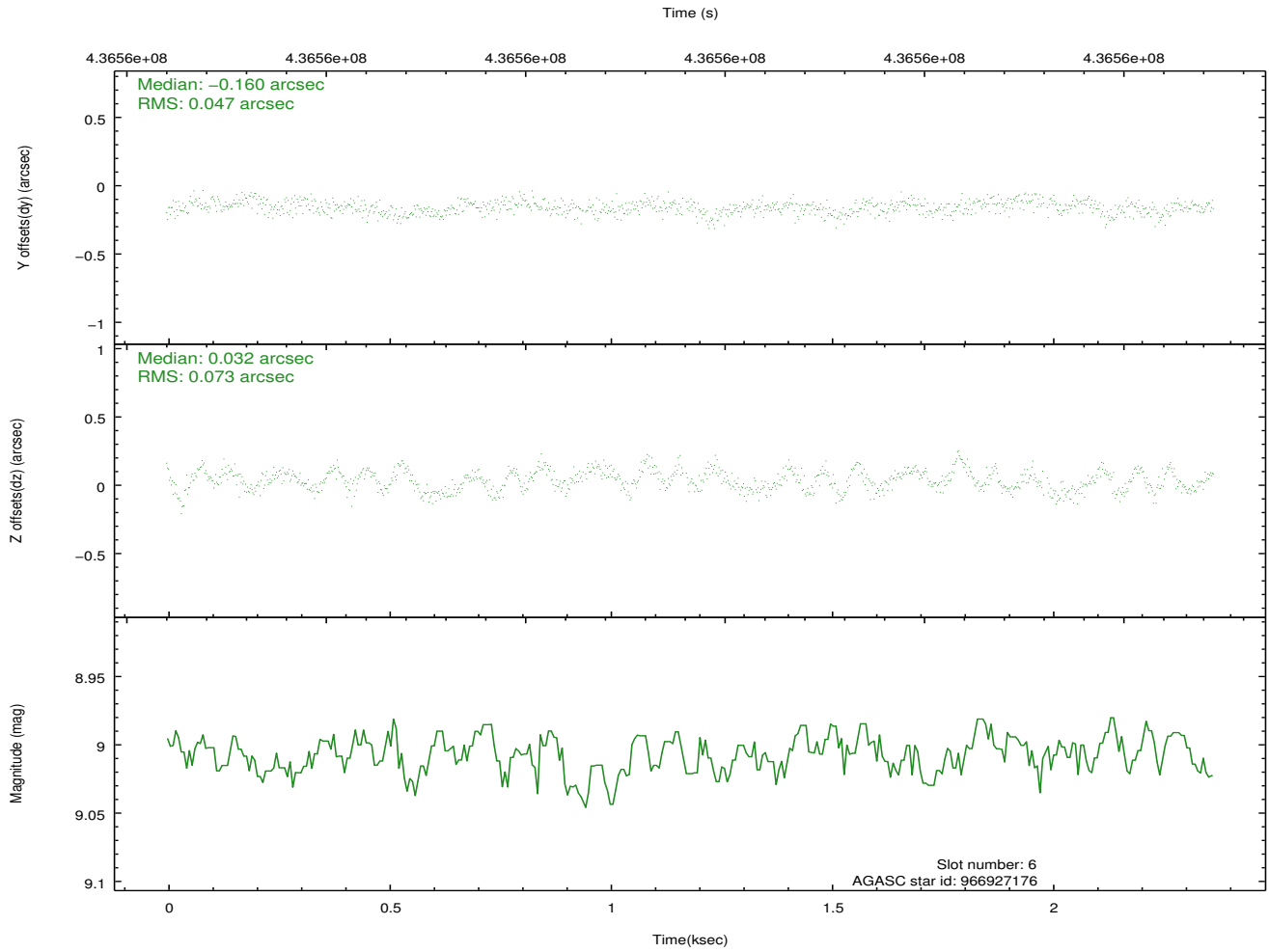
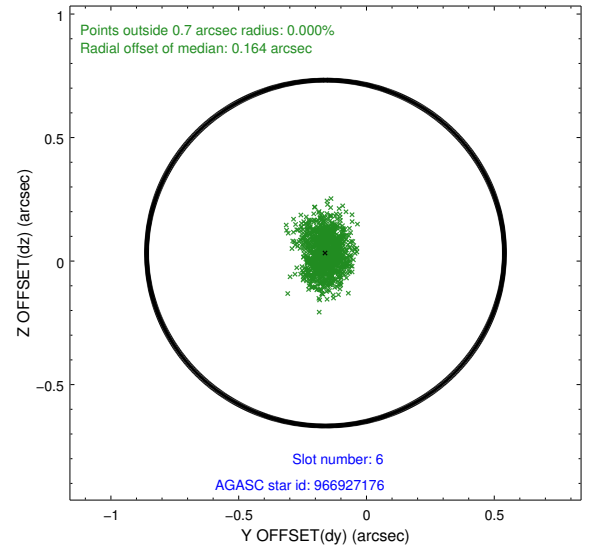
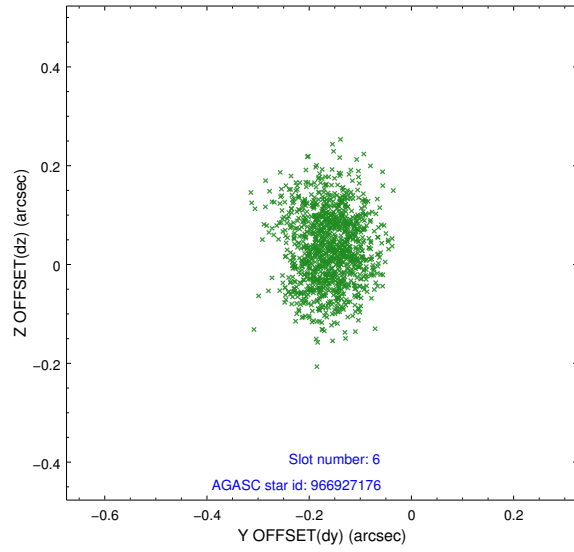
2.4.2 Slot 4



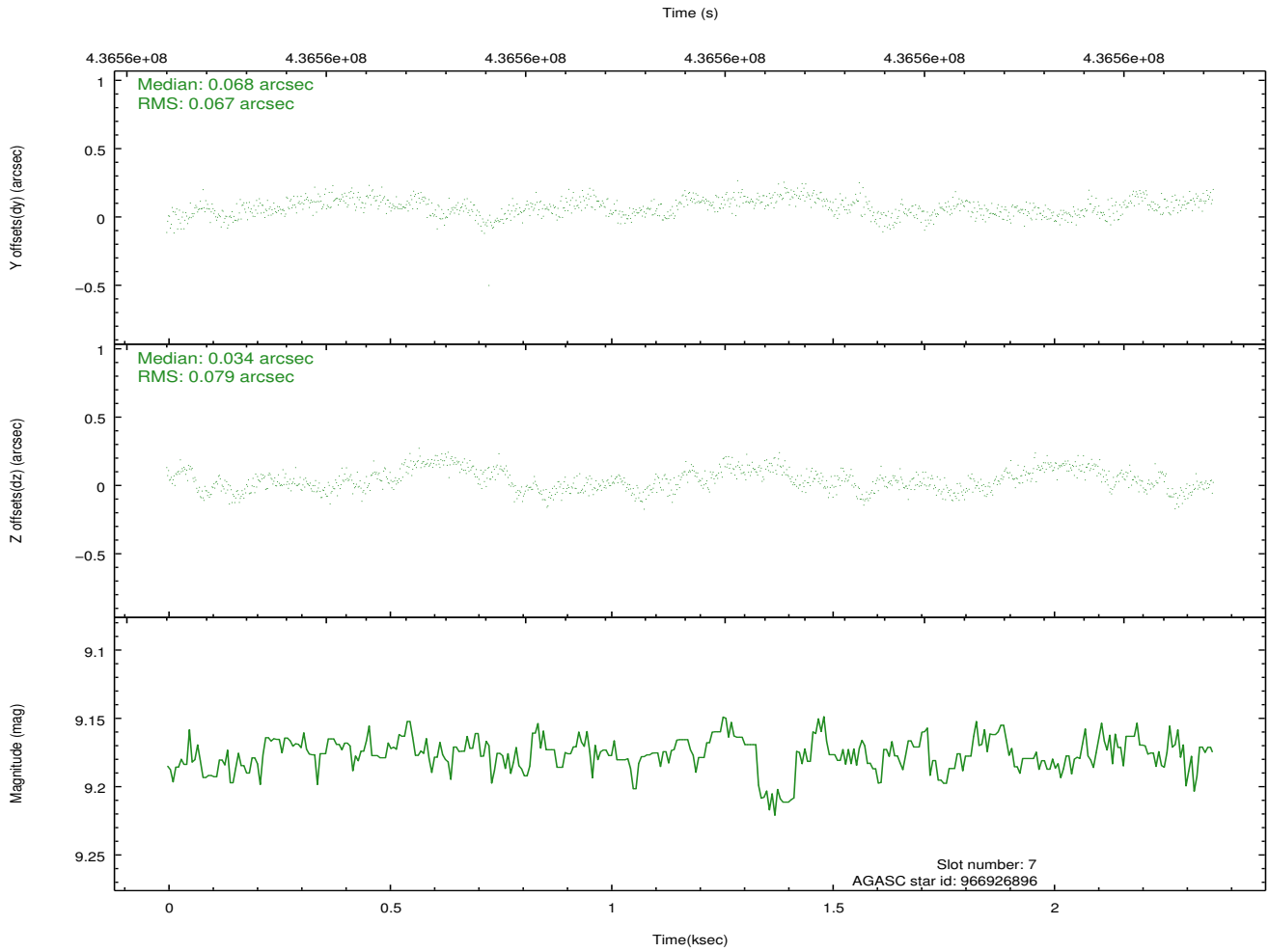
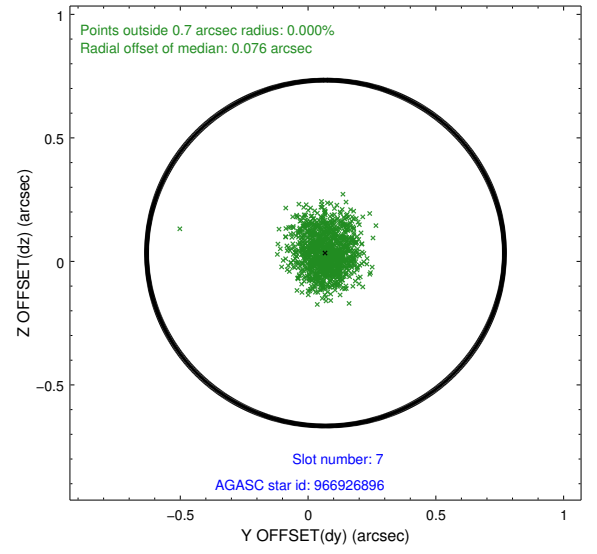
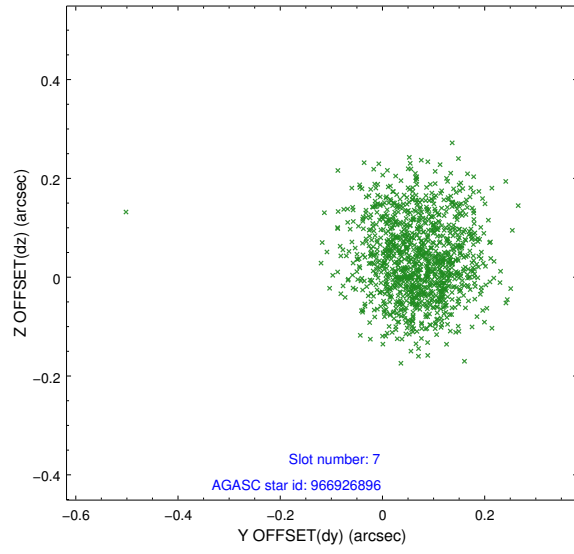
2.4.3 Slot 5



2.4.4 Slot 6

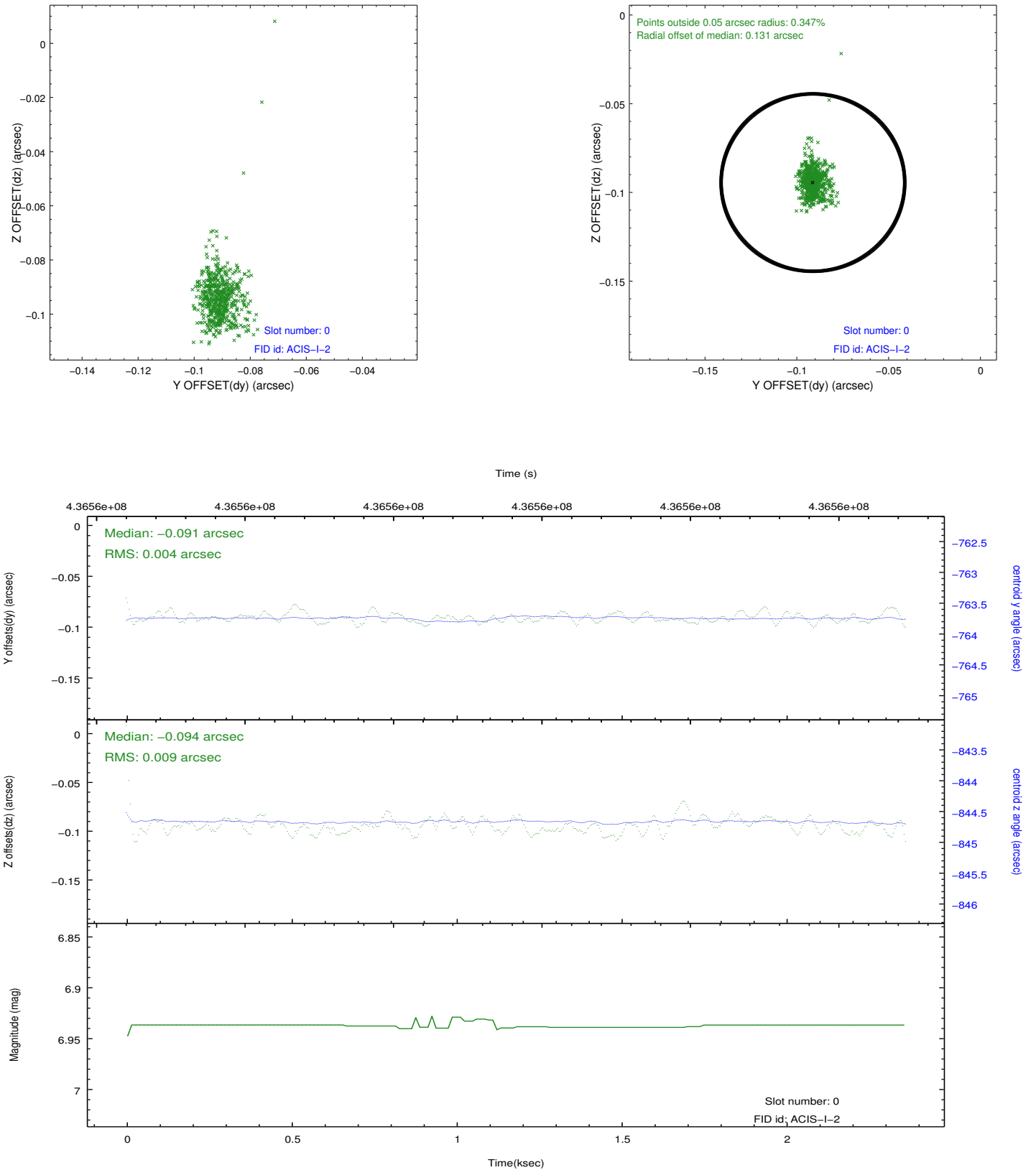


2.4.5 Slot 7

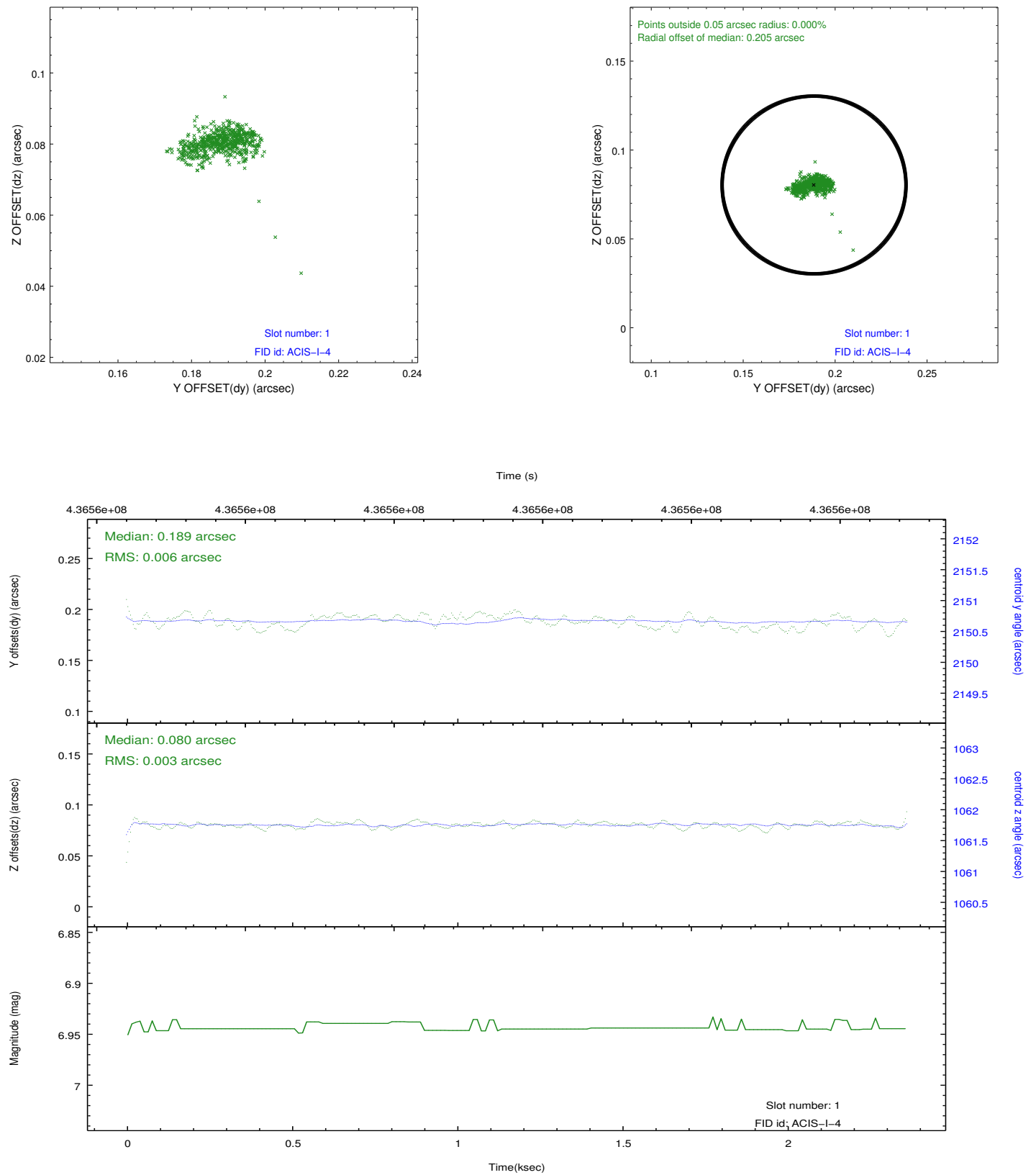


2.5 FID Slots

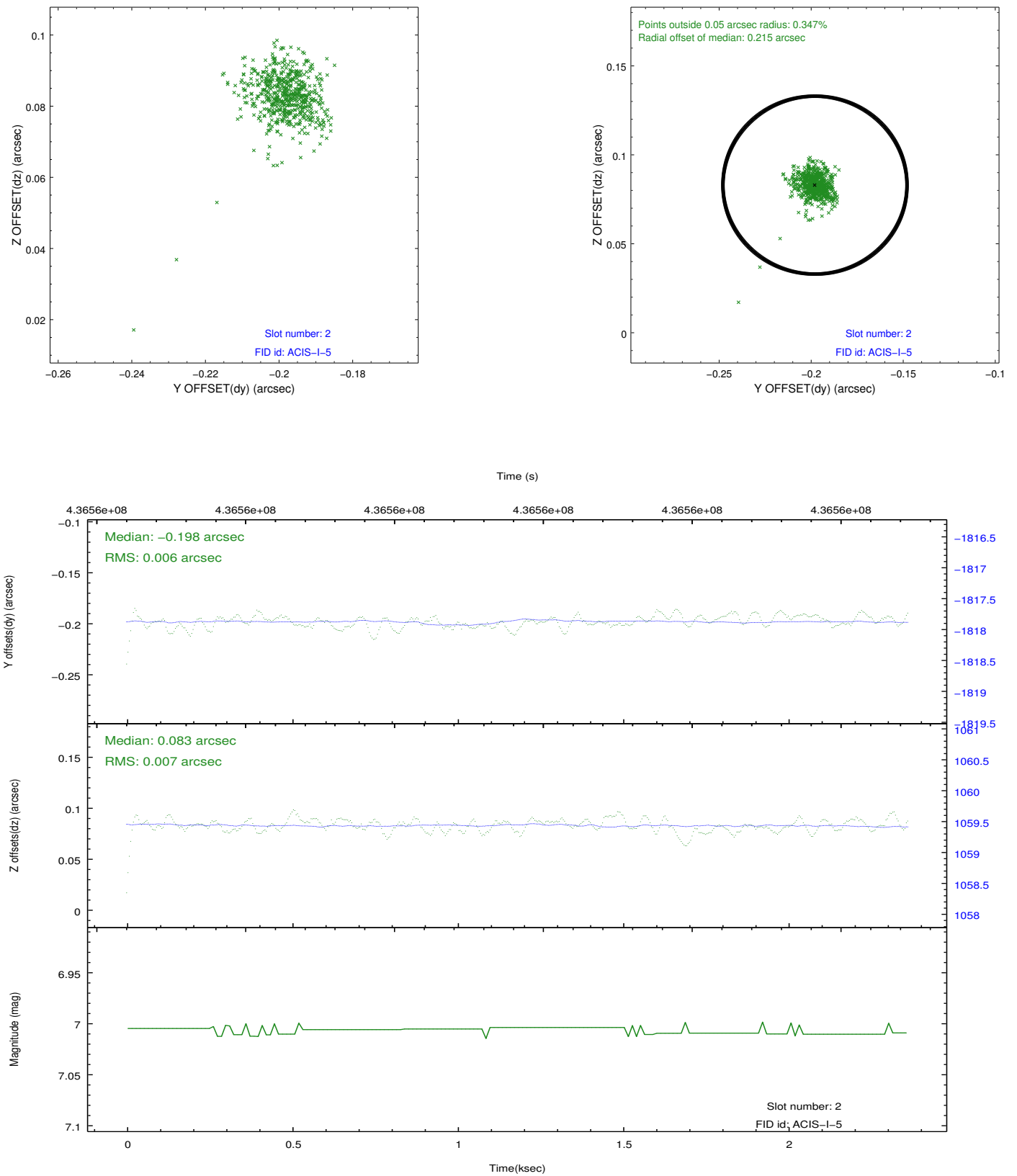
2.5.1 Slot 0



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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9716000151634

A.2 Comments

Joint Proposal: NOAO