

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13566 - L2 Version 2
Chandra X-Ray Center

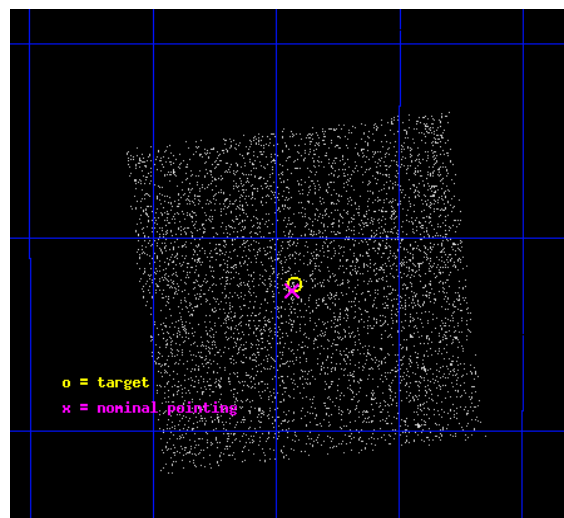
L2 Processing Date : Feb 25 2012

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1 Front

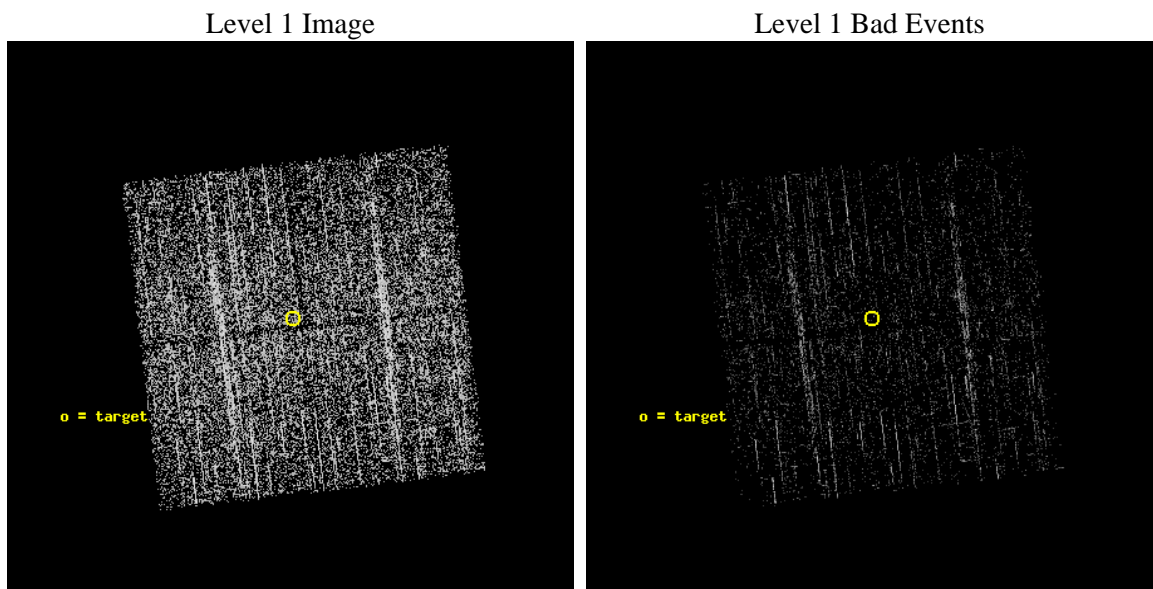
seq_num	401342	Sequence number
obs_id	13566	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.731955	Observer's specified target RA [deg]
dec_targ	-30.707186	Observer's specified target Dec [deg]
ra_nom	267.73424929856	Nominal RA [deg]
dec_nom	-30.712627335659	Nominal Dec [deg]
roll_nom	263.18927830714	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.2623564005	Sum of GTIs [s]
livetime	1947.4802310195	Livetime [s]
ontime0	1973.1392065287	Sum of GTIs [s]
ontime1	1973.1802763939	Sum of GTIs [s]
ontime2	1973.2212865353	Sum of GTIs [s]
ontime3	1973.2623564005	Sum of GTIs [s]
l2events	5500	Number of level 2 events



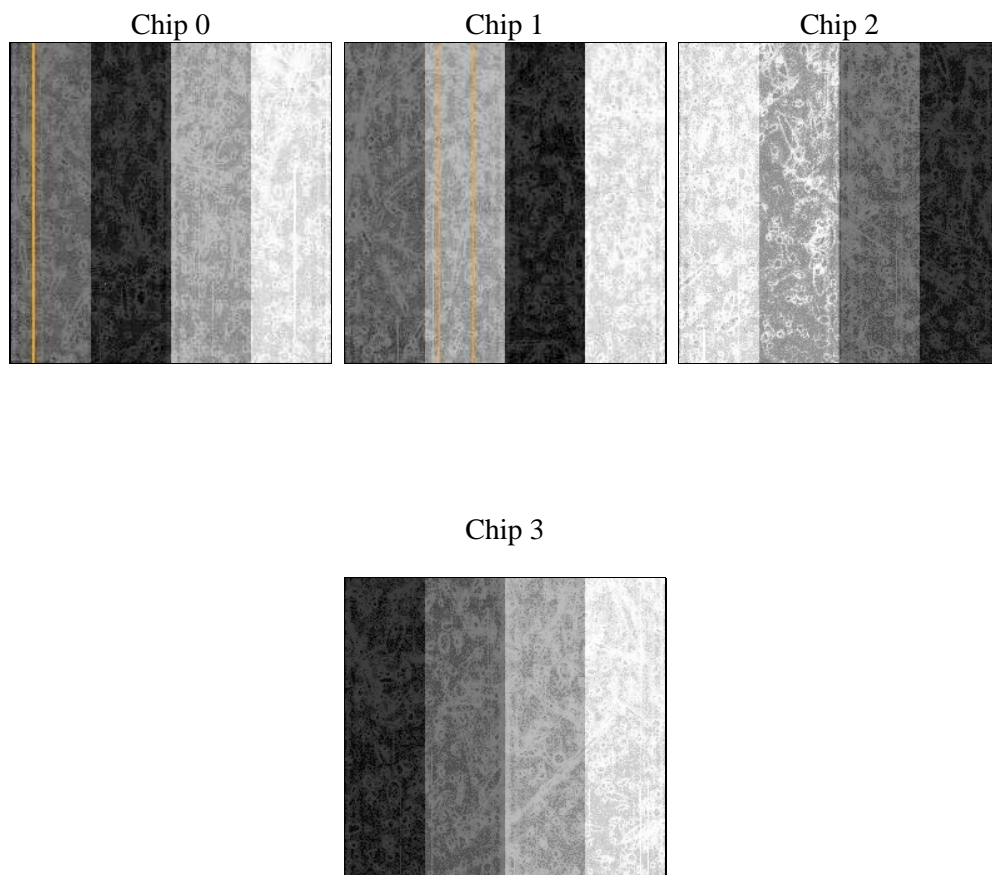
2 OBI

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	1973.2623564005	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.1392065287	Sum of GTIs [s]
date	2012-02-26T01:13:00	Date and time of file creation	ontime1	1973.1802763939	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.2212865353	Sum of GTIs [s]
			ontime3	1973.2623564005	Sum of GTIs [s]
			l1events	47009	Number of level 1 events

2.1.4 Events

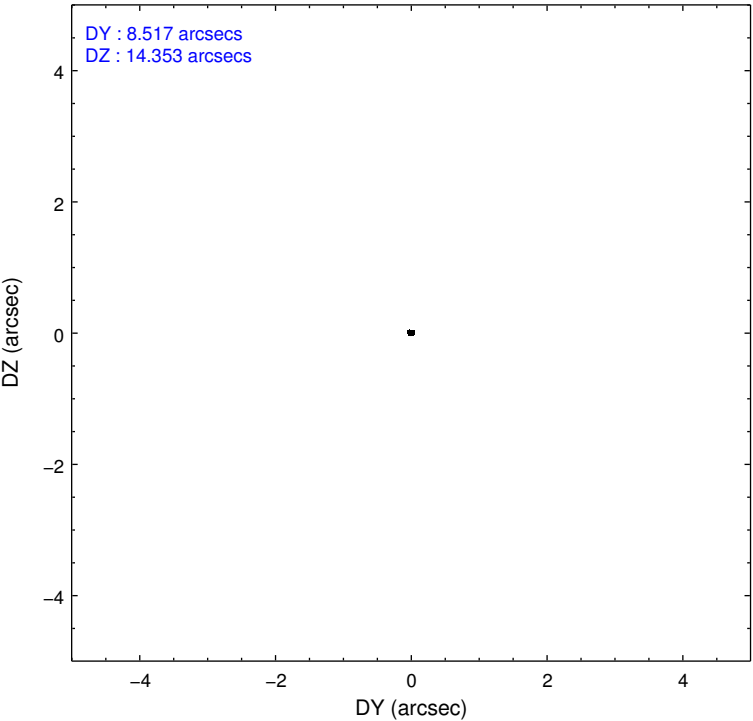
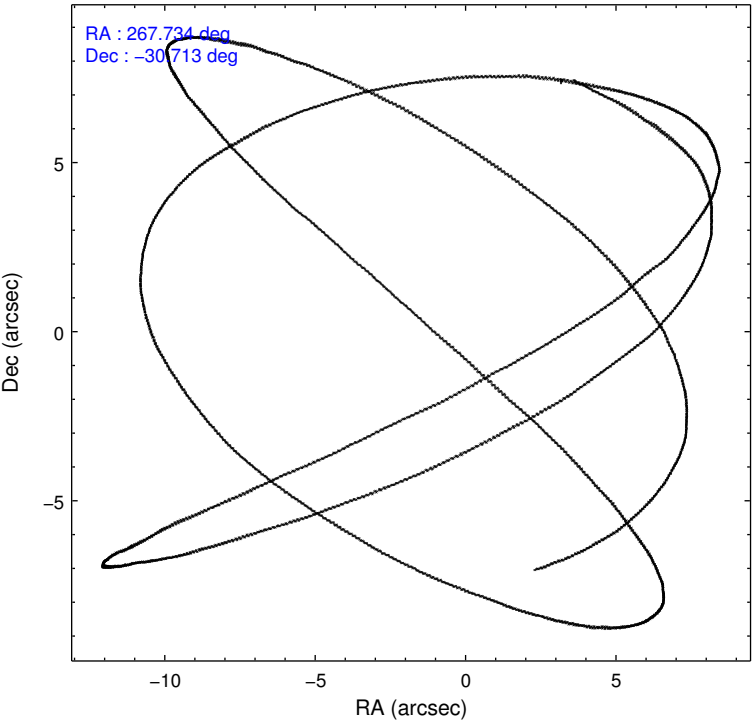
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11919	10452	12308	12330
rejected events	10367	8610	10784	10743
rejected %	86%	82%	87%	87%

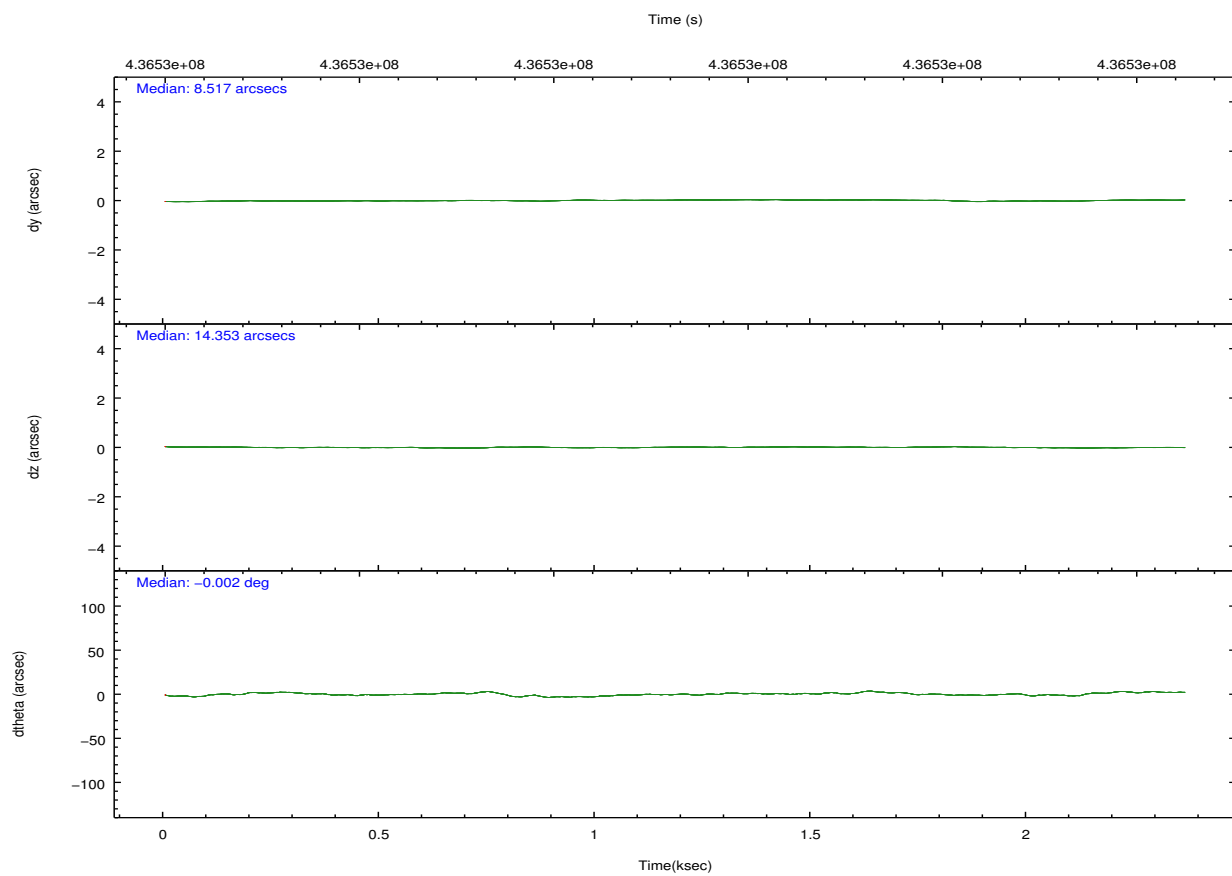
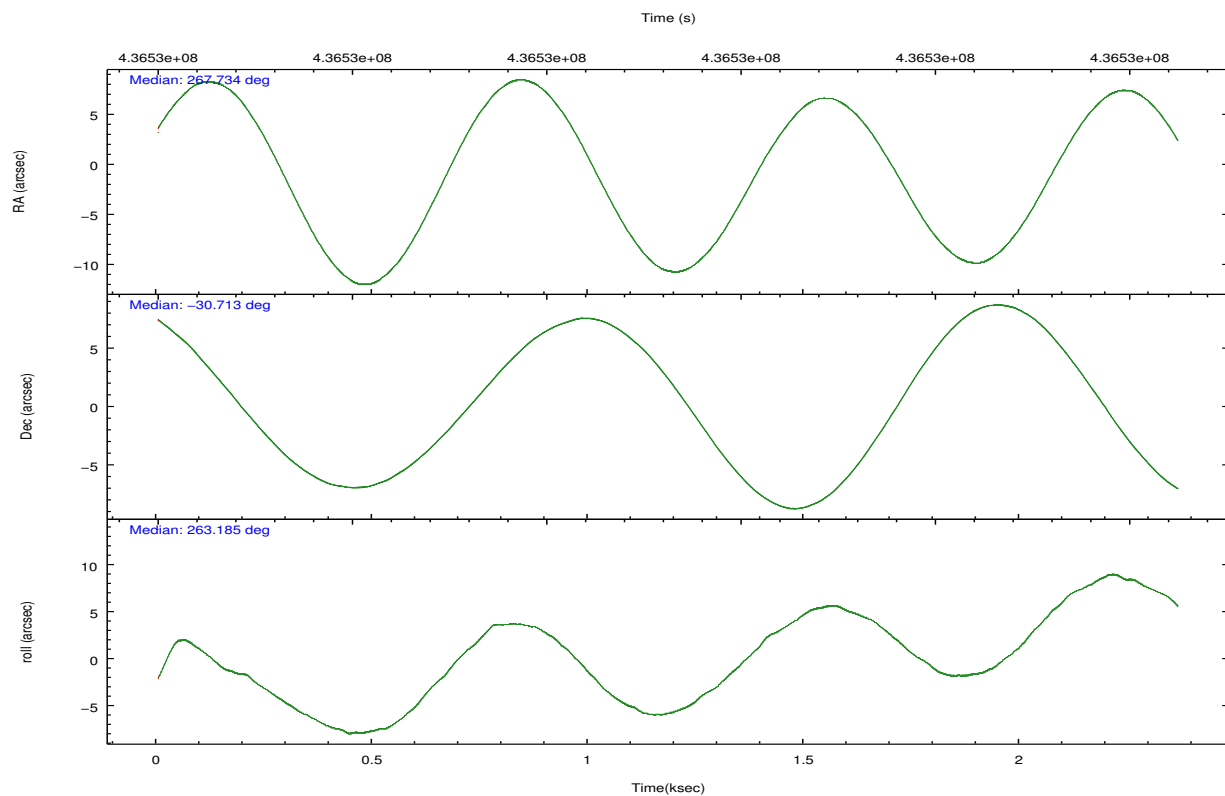
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	634	814	668	735
	5%	7%	5%	5%
grade 1 events	12	9	10	6
	0%	0%	0%	0%
grade 2 events	349	401	337	311
	2%	3%	2%	2%
grade 3 events	175	150	137	133
	1%	1%	1%	1%
grade 4 events	141	179	142	112
	1%	1%	1%	0%
grade 5 events	516	578	533	570
	4%	5%	4%	4%
grade 6 events	256	302	249	300
	2%	2%	2%	2%
grade 7 events	9836	8019	10232	10163
	82%	76%	83%	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	267.721314	267.7342492985645	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.687421	-30.71262733565895	Alternating exposures requested	N	N
[deg] Pointing Roll	262.974023	263.1892783071441	[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)	436532319.184000	436531942.88248			
Observation start date	2011-11-01T10:57:33	2011-11-01T10:52:22			
[s] Observation end time (MET)	436534499.184000	436534632.48262			
Observation end date	2011-11-01T11:33:53	2011-11-01T11:37:12			
Read mode	TIMED	TIMED			

2.3 Aspect



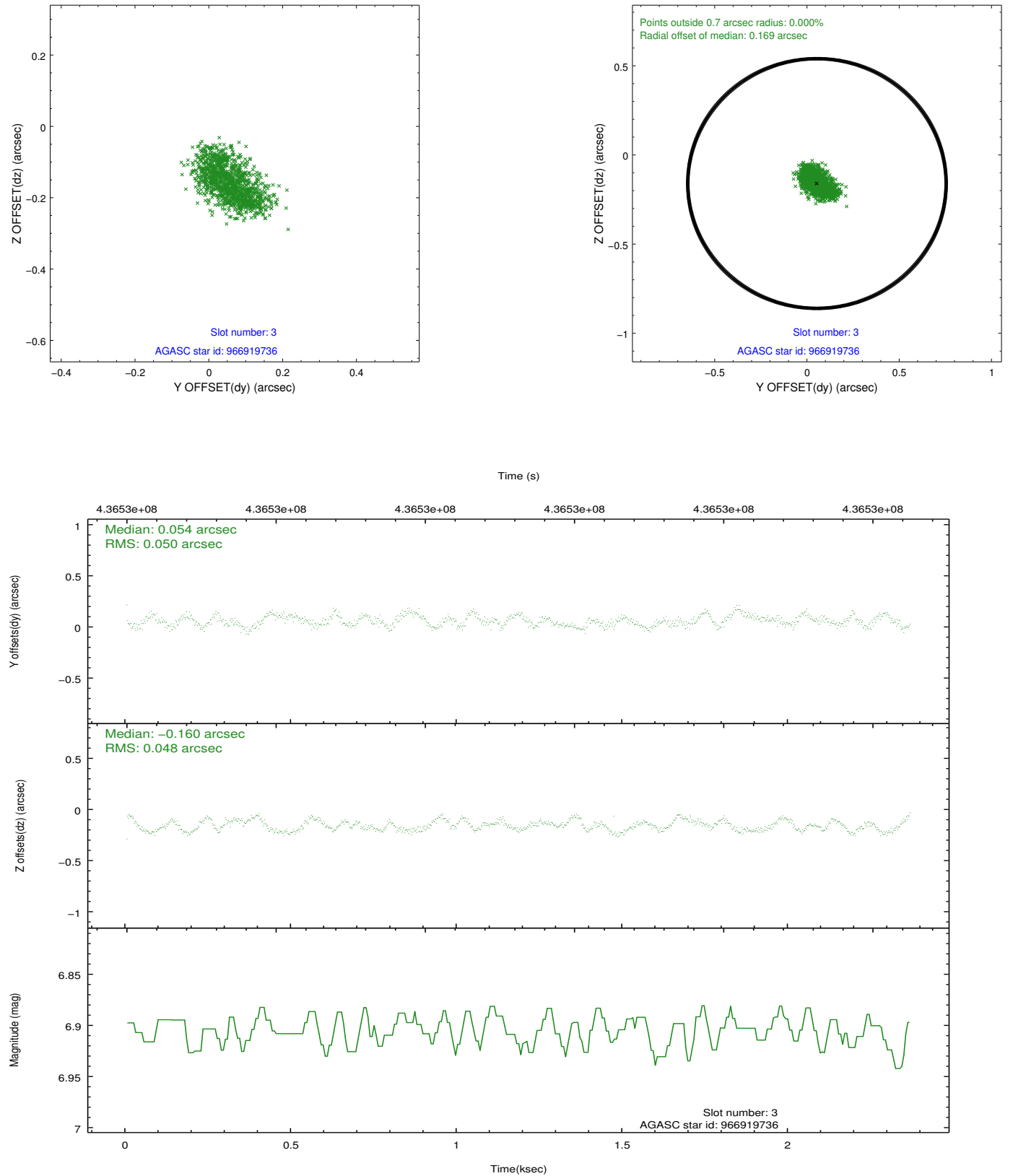


Slot Statistics

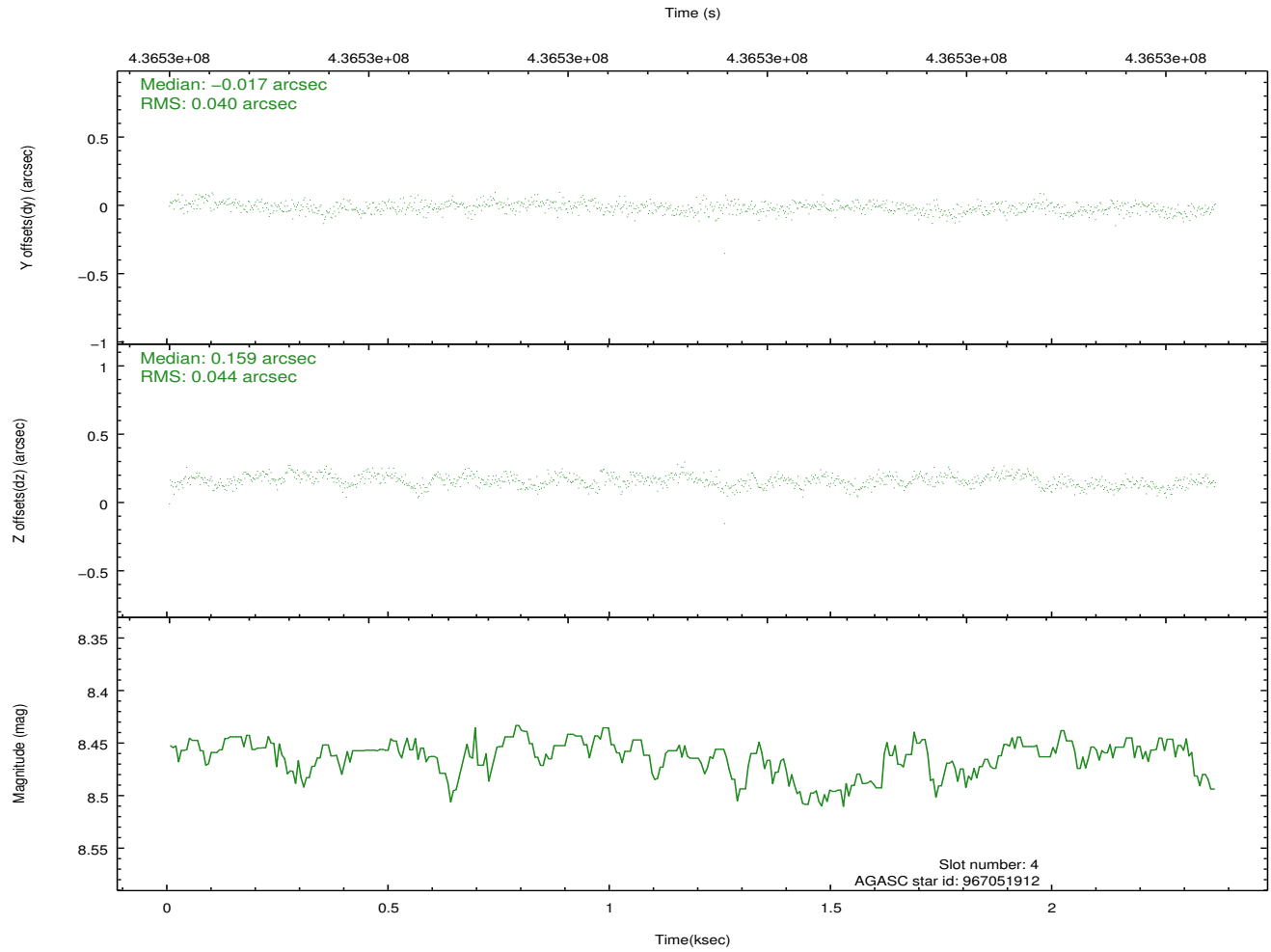
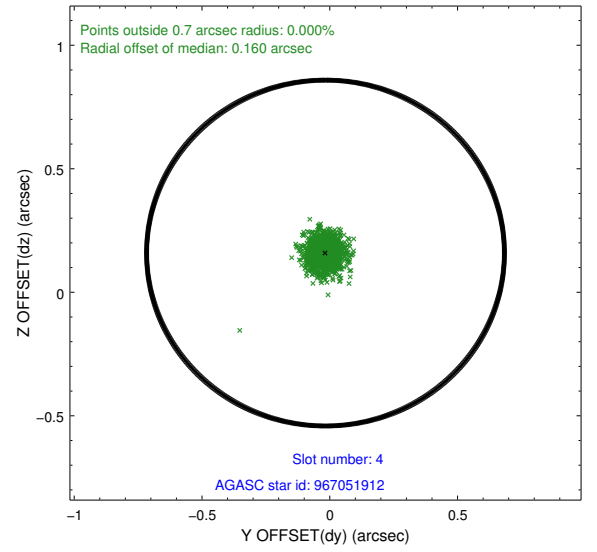
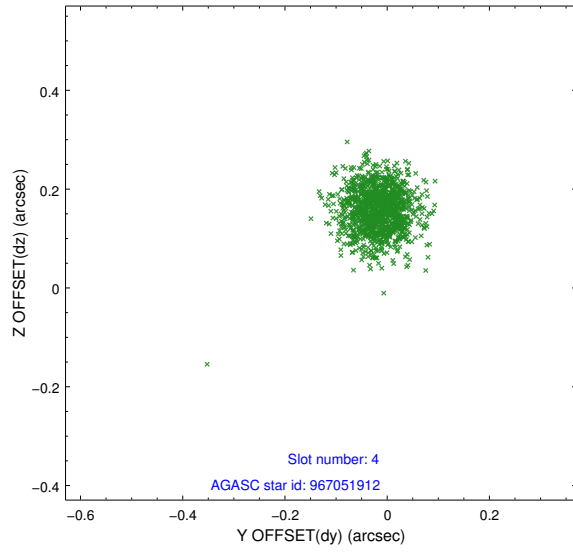
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	577	-0.066	-0.010	0.018	0.030	0.000000	0.000000	931.05	-837.96
1	FID	ACIS-I-4	6.94	577	0.082	0.042	0.016	0.023	0.000000	0.000000	2152.78	1060.51
2	FID	ACIS-I-6	7.01	577	-0.113	0.032	0.010	0.023	0.000000	0.000000	400.46	1705.82
3	GUIDE	966919736	6.90	1154	0.054	-0.160	0.075	0.116	267.322278	-30.597445	-166.98	-1266.52
4	GUIDE	967051912	8.46	1153	-0.017	0.159	0.062	0.101	268.273969	-31.339032	2124.92	1972.67
5	GUIDE	967059168	8.44	1153	0.126	-0.079	0.071	0.108	267.755631	-31.226839	1916.89	343.62
6	GUIDE	966920512	8.36	1153	-0.082	-0.027	0.078	0.126	267.231170	-30.494681	-497.18	-1593.80
7	GUIDE	967053960	9.21	1152	-0.089	0.108	0.104	0.167	268.185736	-30.091336	-2303.86	1171.72

2.4 Star Slots

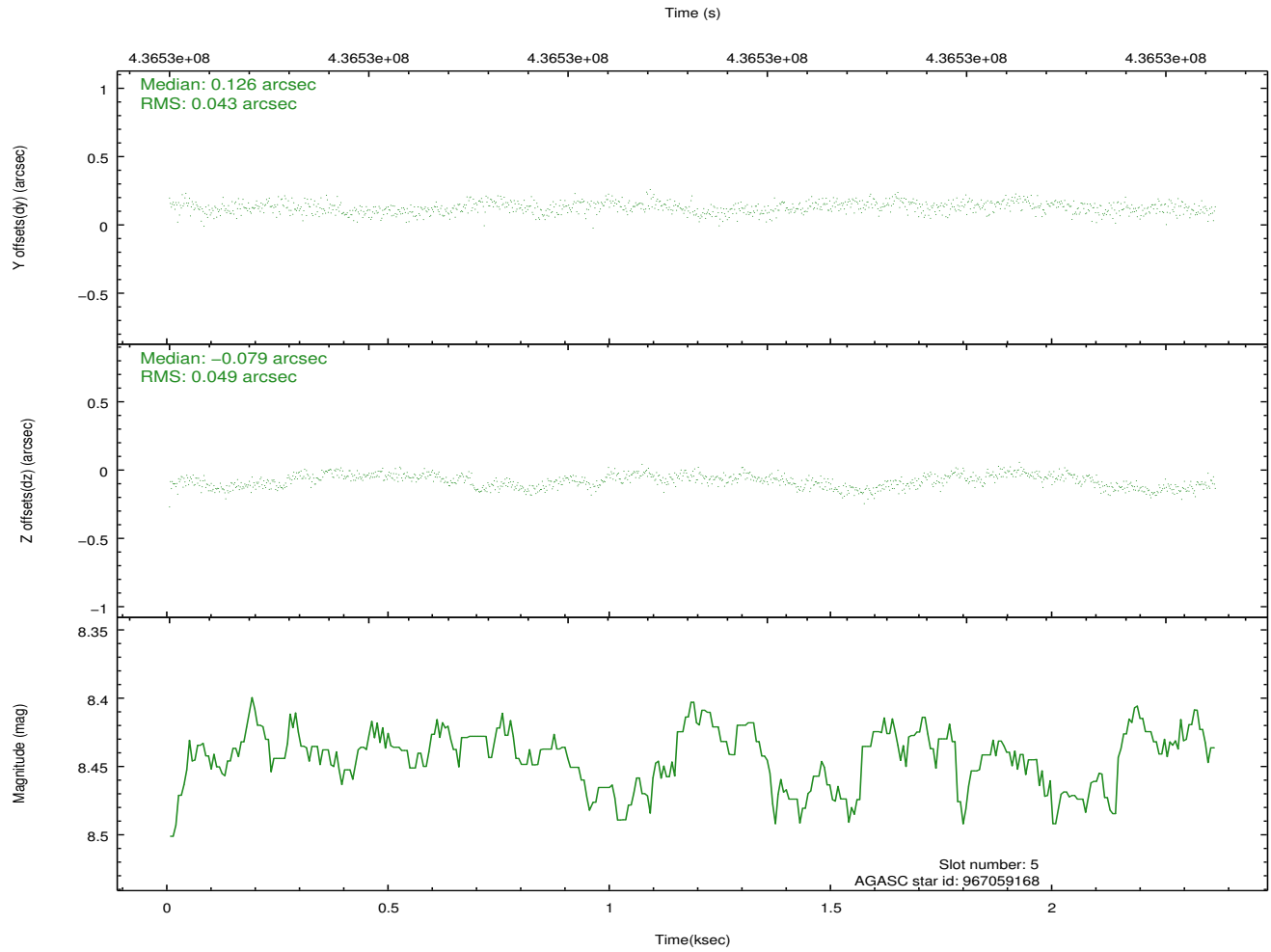
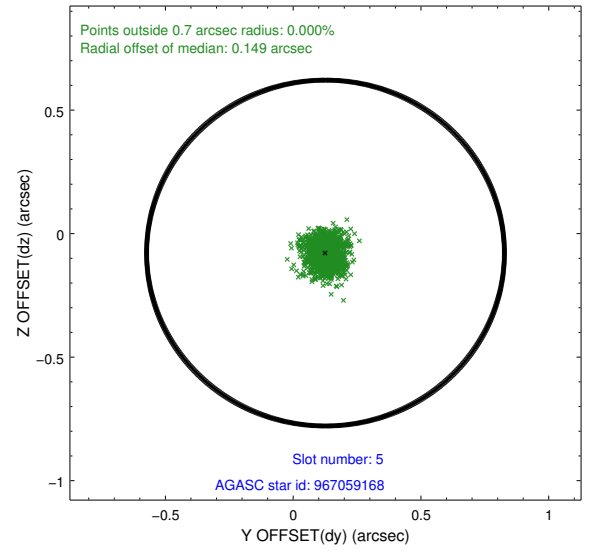
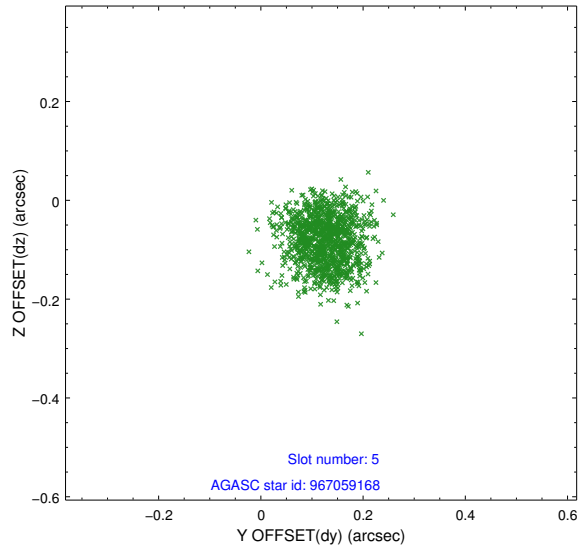
2.4.1 Slot 3



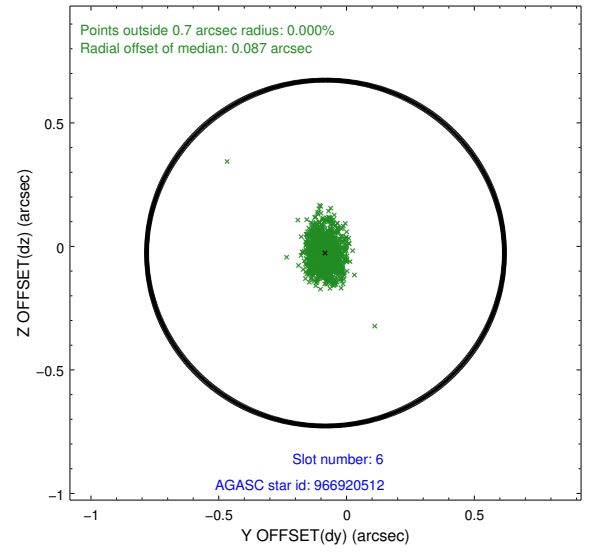
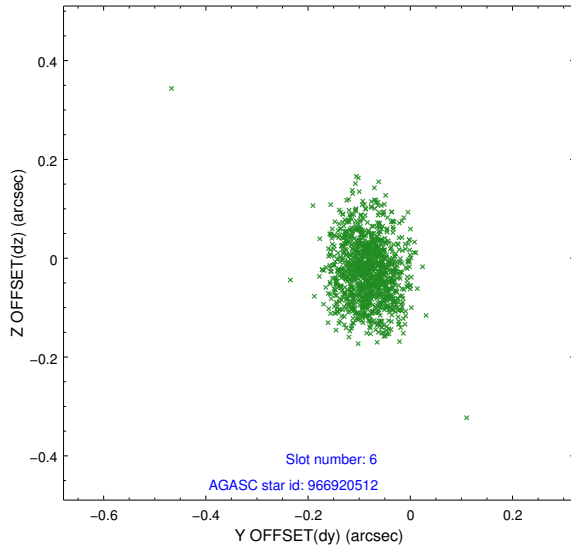
2.4.2 Slot 4



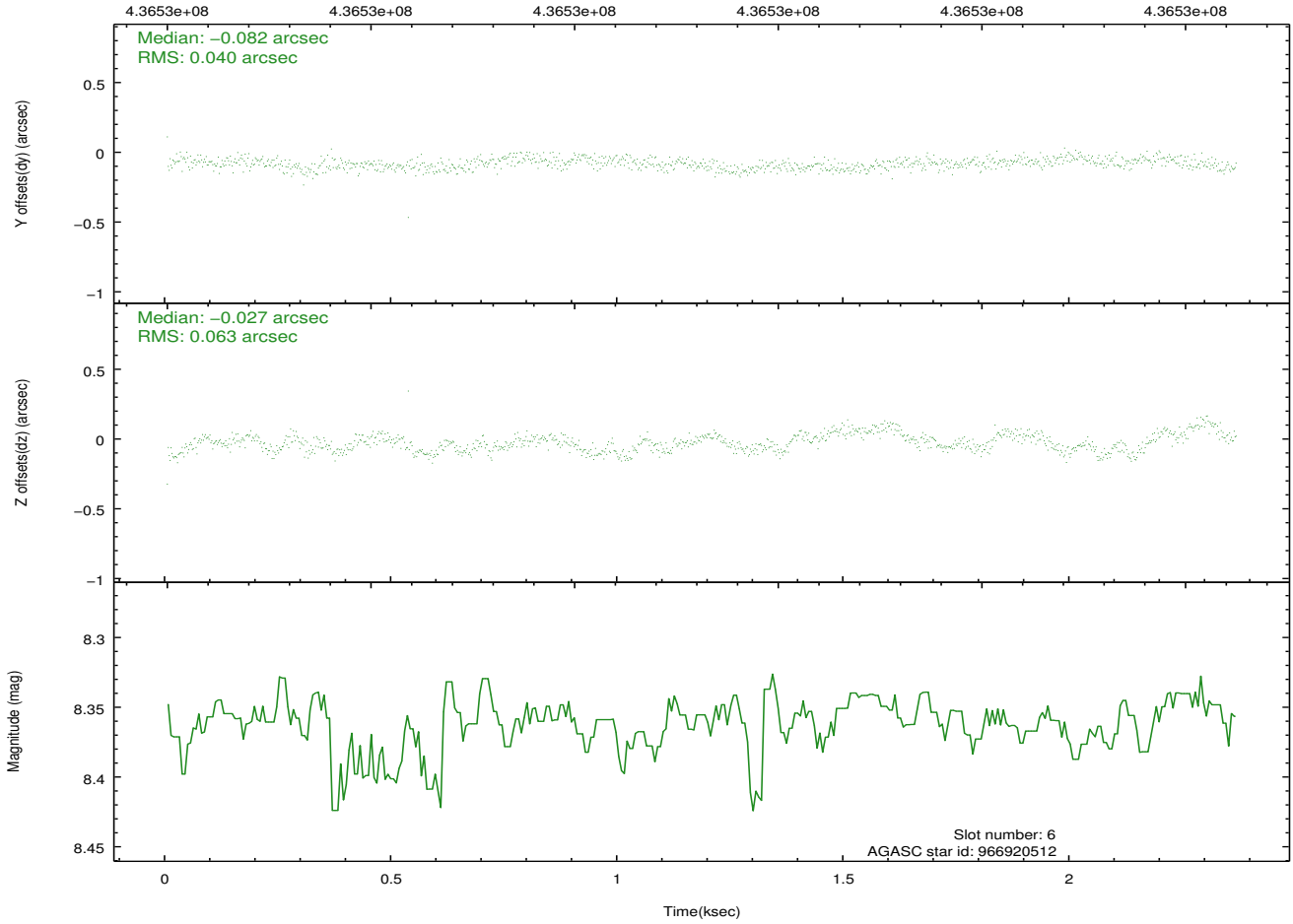
2.4.3 Slot 5



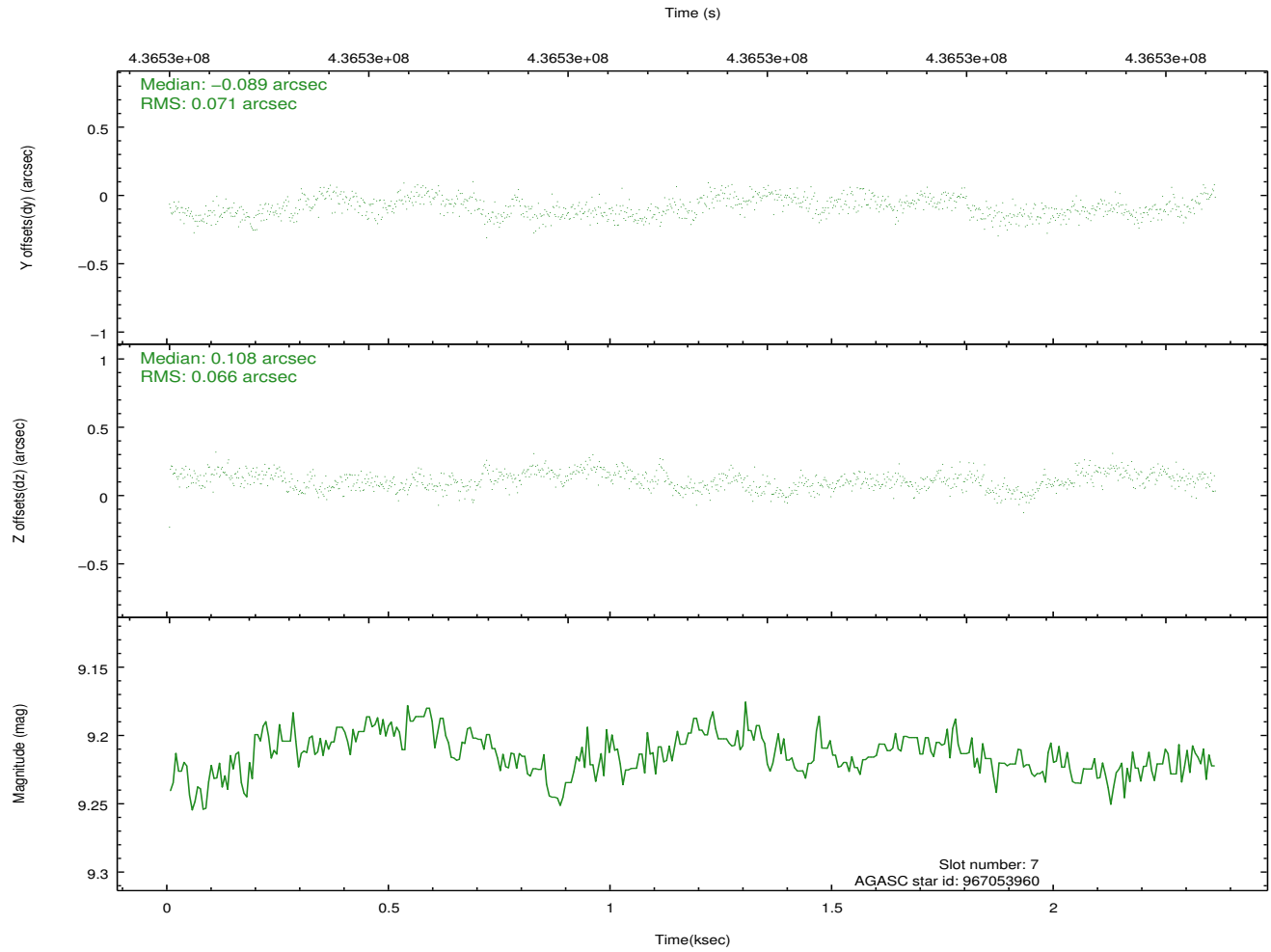
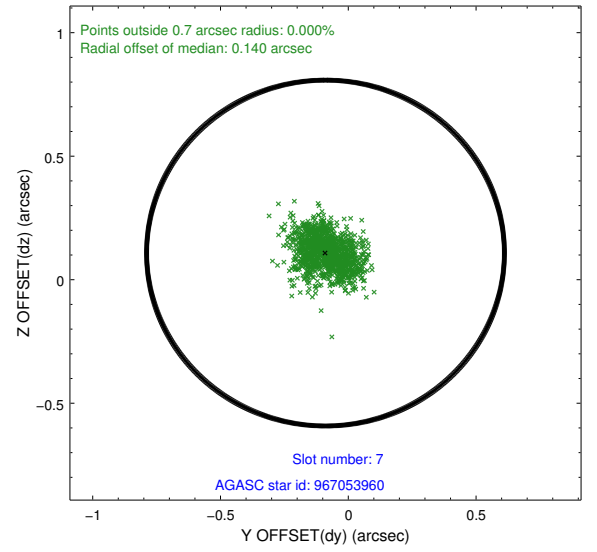
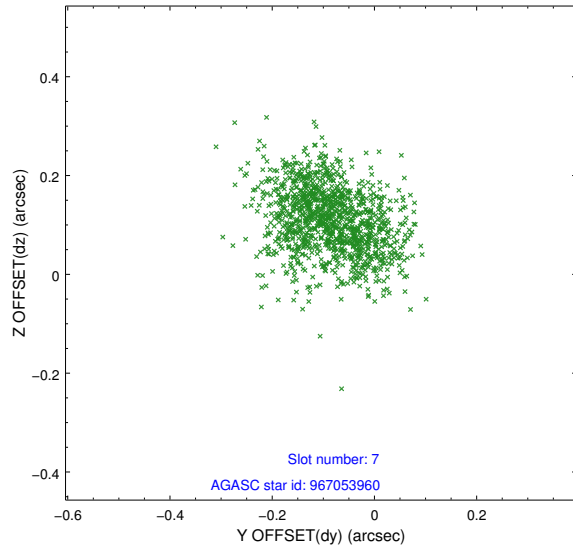
2.4.4 Slot 6



Time (s)

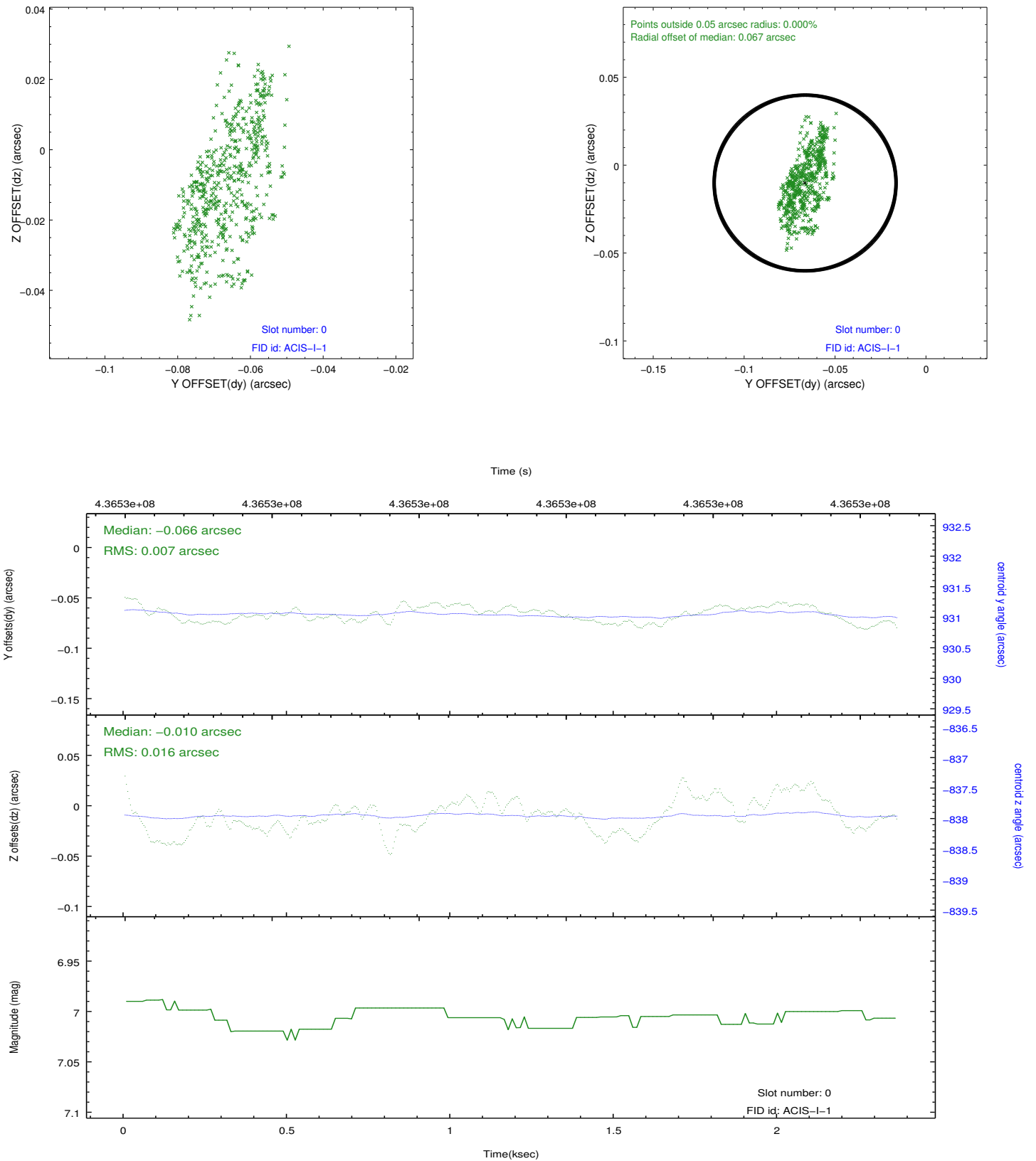


2.4.5 Slot 7

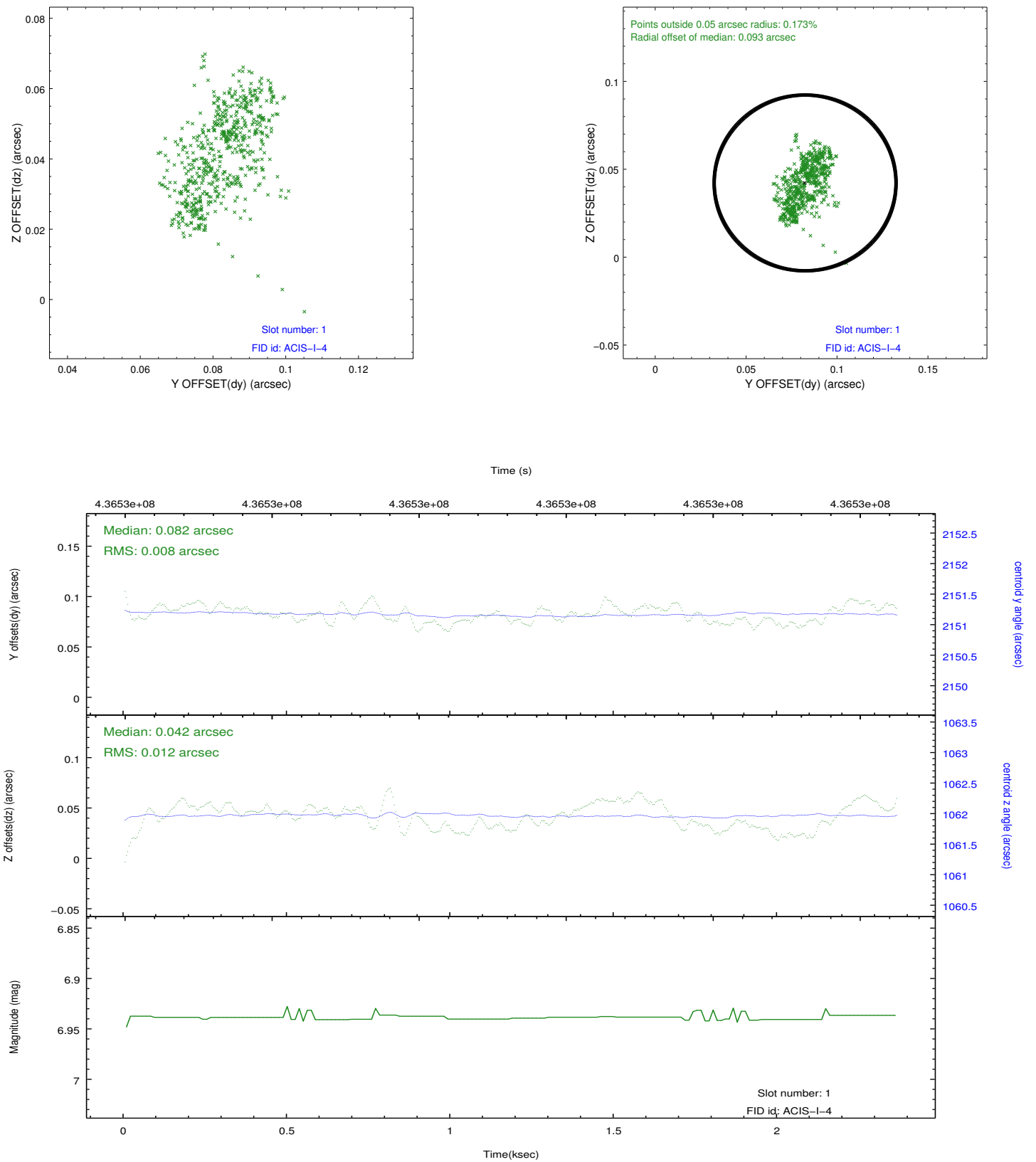


2.5 FID Slots

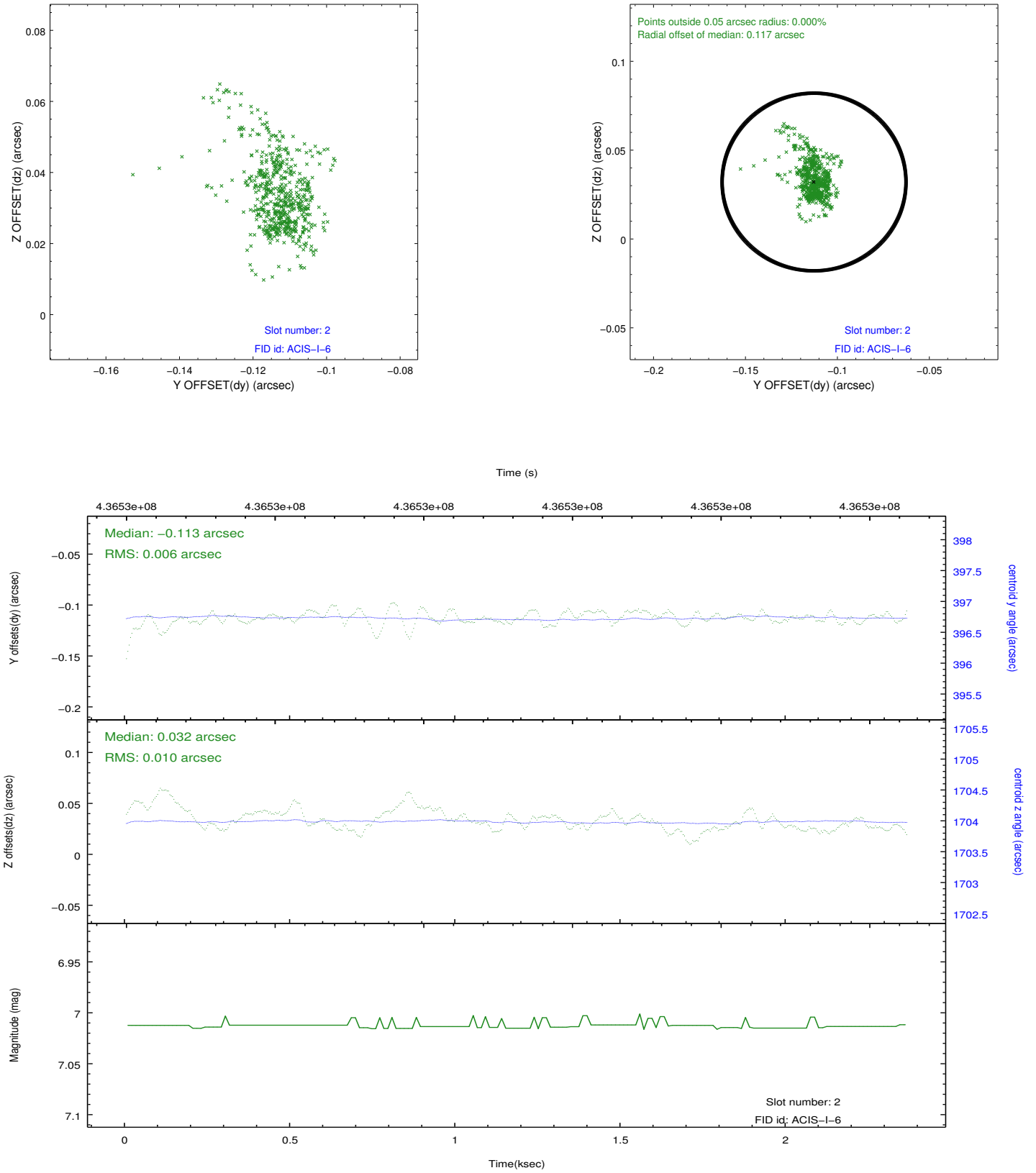
2.5.1 Slot 0



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	1.9732623549104

A.2 Comments

Joint Proposal: NOAO