

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9998 - L2 Version 2
Chandra X-Ray Center

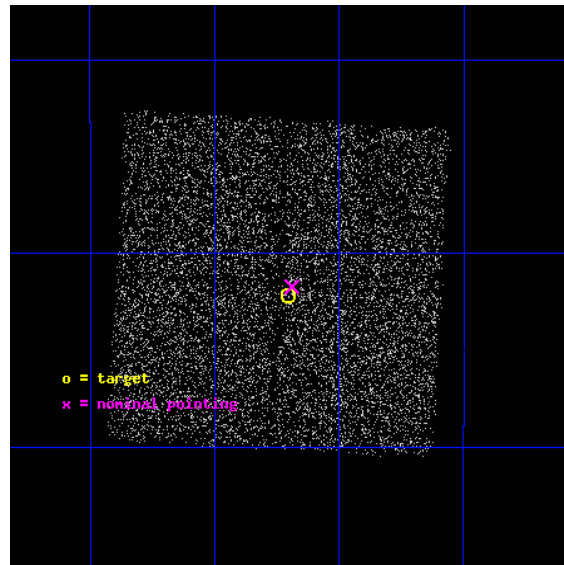
L2 Processing Date : Jun 1 2012

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1 Front

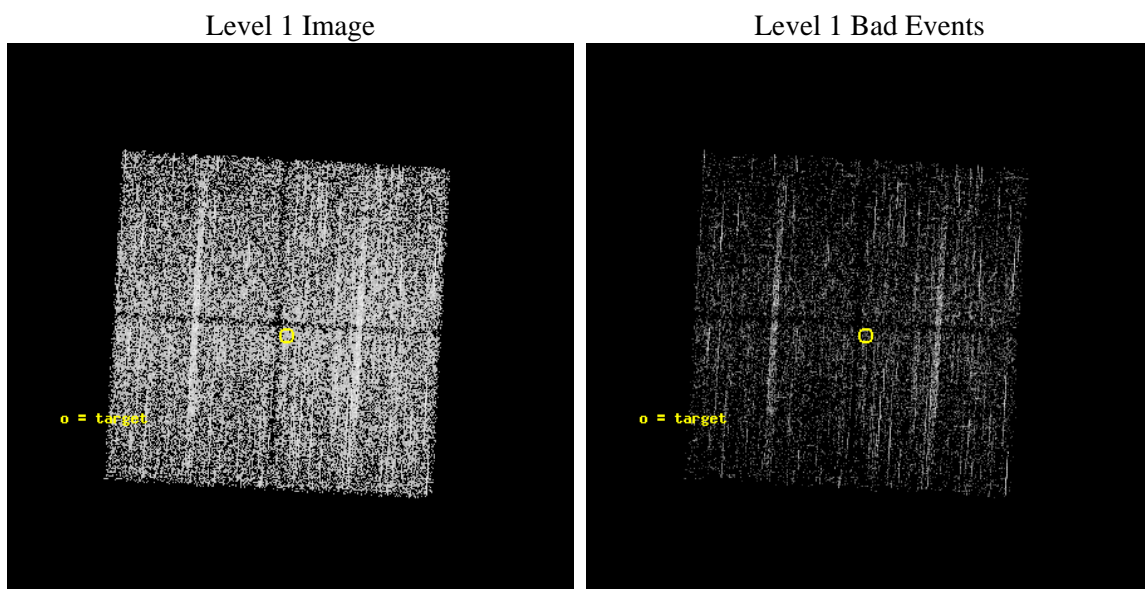
seq_num	400962	Sequence number
obs_id	9998	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.551	Observer's specified target RA [deg]
dec_targ	-29.703389	Observer's specified target Dec [deg]
ra_nom	263.54769859053	Nominal RA [deg]
dec_nom	-29.695649184773	Nominal Dec [deg]
roll_nom	93.207783604626	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	10693	Number of level 2 events



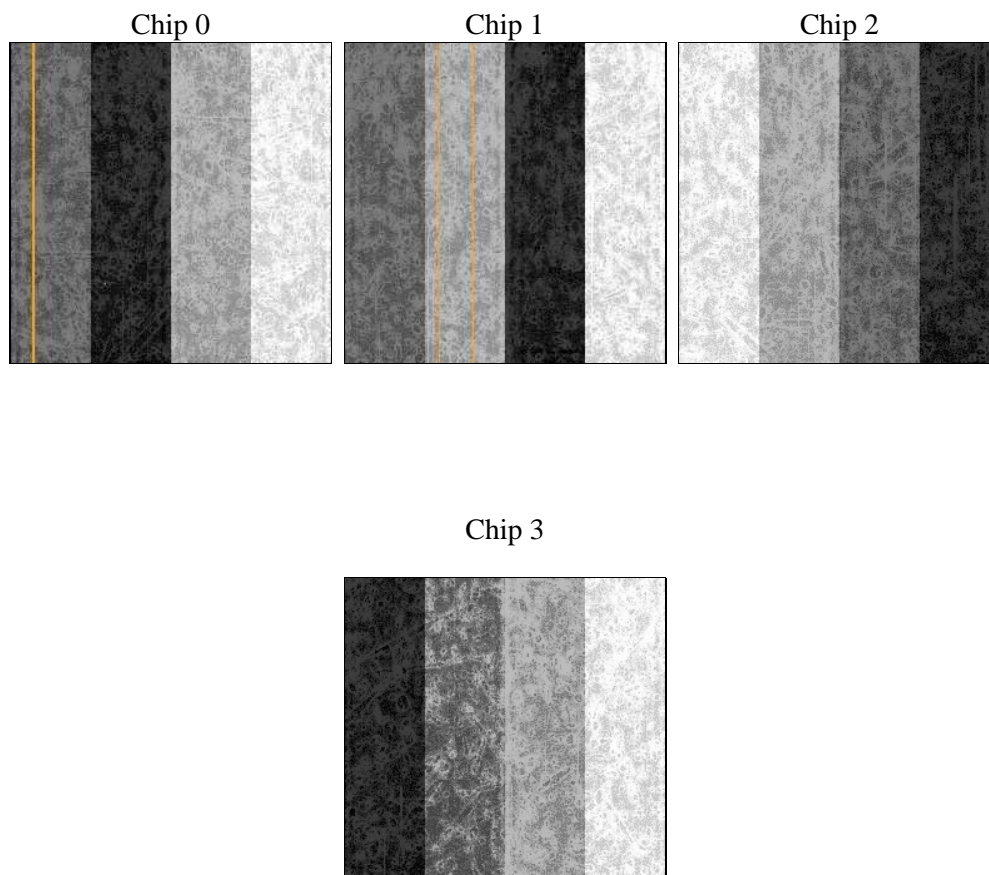
2 OBI

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	2012-06-01T05:46:30	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	100007	Number of level 1 events

2.1.4 Events

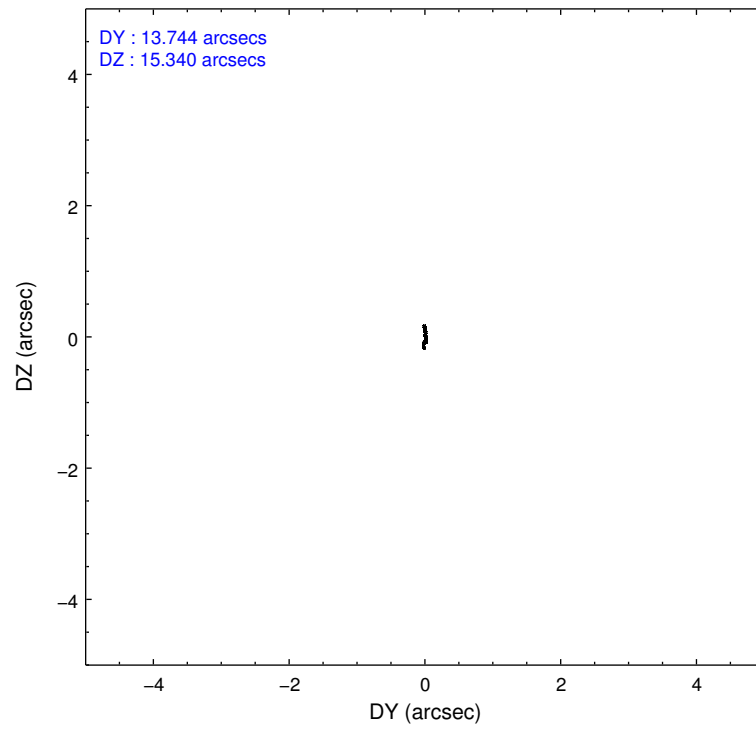
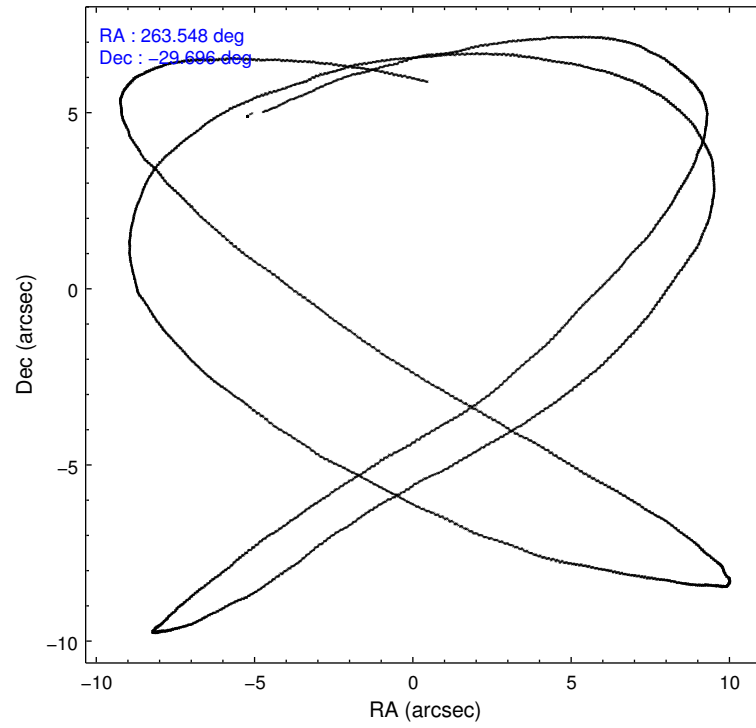
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22948	23343	26615	27101
rejected events	19883	20220	23598	24038
rejected %	86%	86%	88%	88%

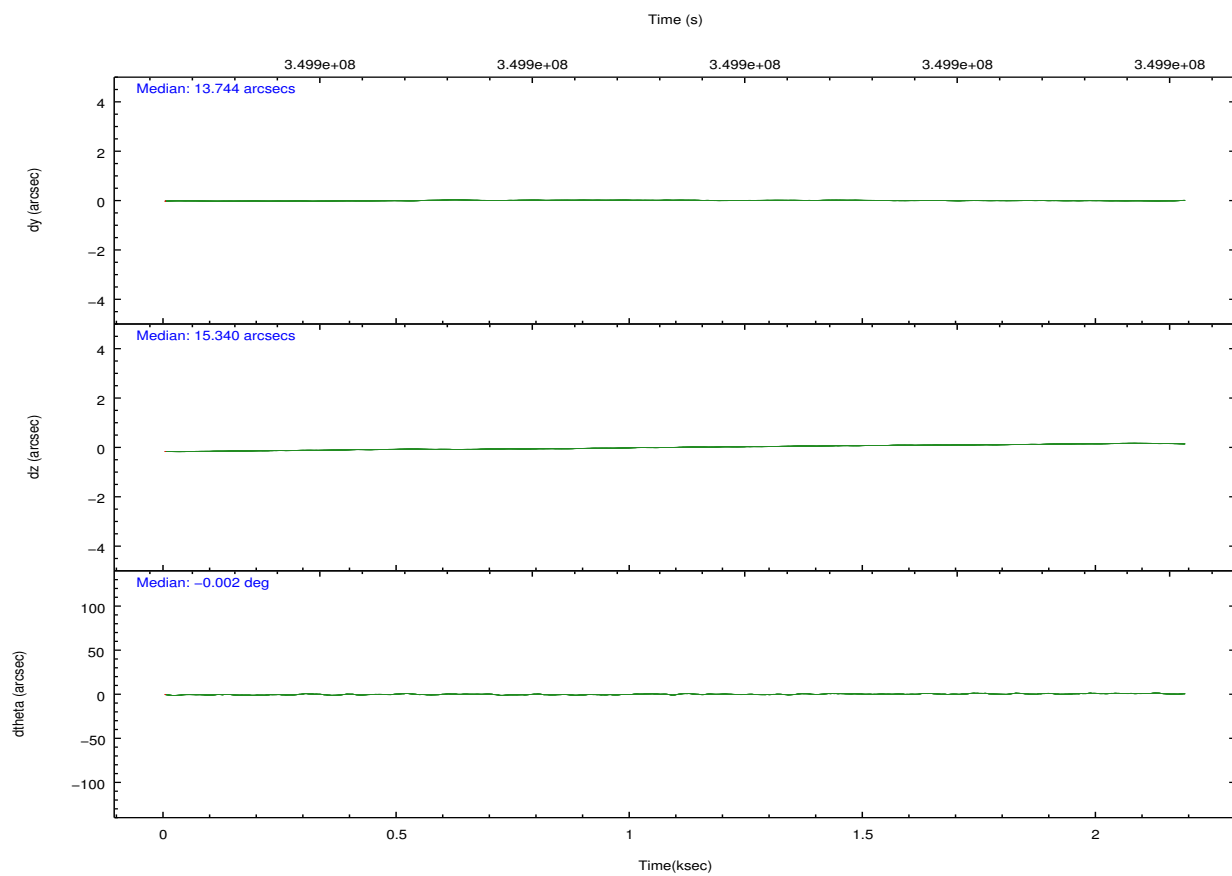
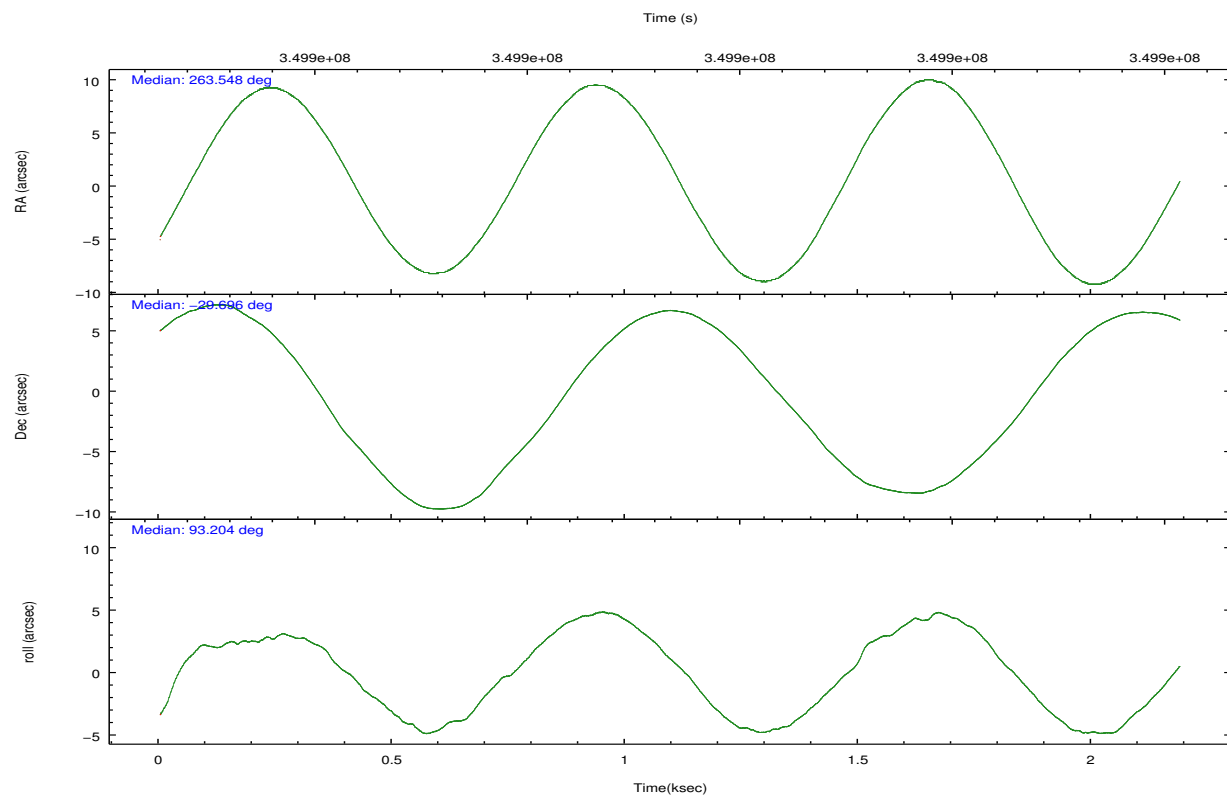
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1610	1458	1622	1718
	7%	6%	6%	6%
grade 1 events	16	12	19	24
	0%	0%	0%	0%
grade 2 events	769	827	729	630
	3%	3%	2%	2%
grade 3 events	318	335	298	312
	1%	1%	1%	1%
grade 4 events	301	313	276	304
	1%	1%	1%	1%
grade 5 events	1104	1132	1022	1258
	4%	4%	3%	4%
grade 6 events	537	662	556	567
	2%	2%	2%	2%
grade 7 events	18293	18604	22093	22288
	79%	79%	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	263.565192	263.5476985905261	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.718762	-29.69564918477256	Alternating exposures requested	N	N
[deg] Pointing Roll	93.007784	93.20778360462592	[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)	349899425.184000	349899048.72097			
Observation start date	2009-02-01T18:15:59	2009-02-01T18:10:48			
[s] Observation end time (MET)	349901425.184000	349901558.9461			
Observation end date	2009-02-01T18:49:19	2009-02-01T18:52:38			
Read mode	TIMED	TIMED			

2.3 Aspect



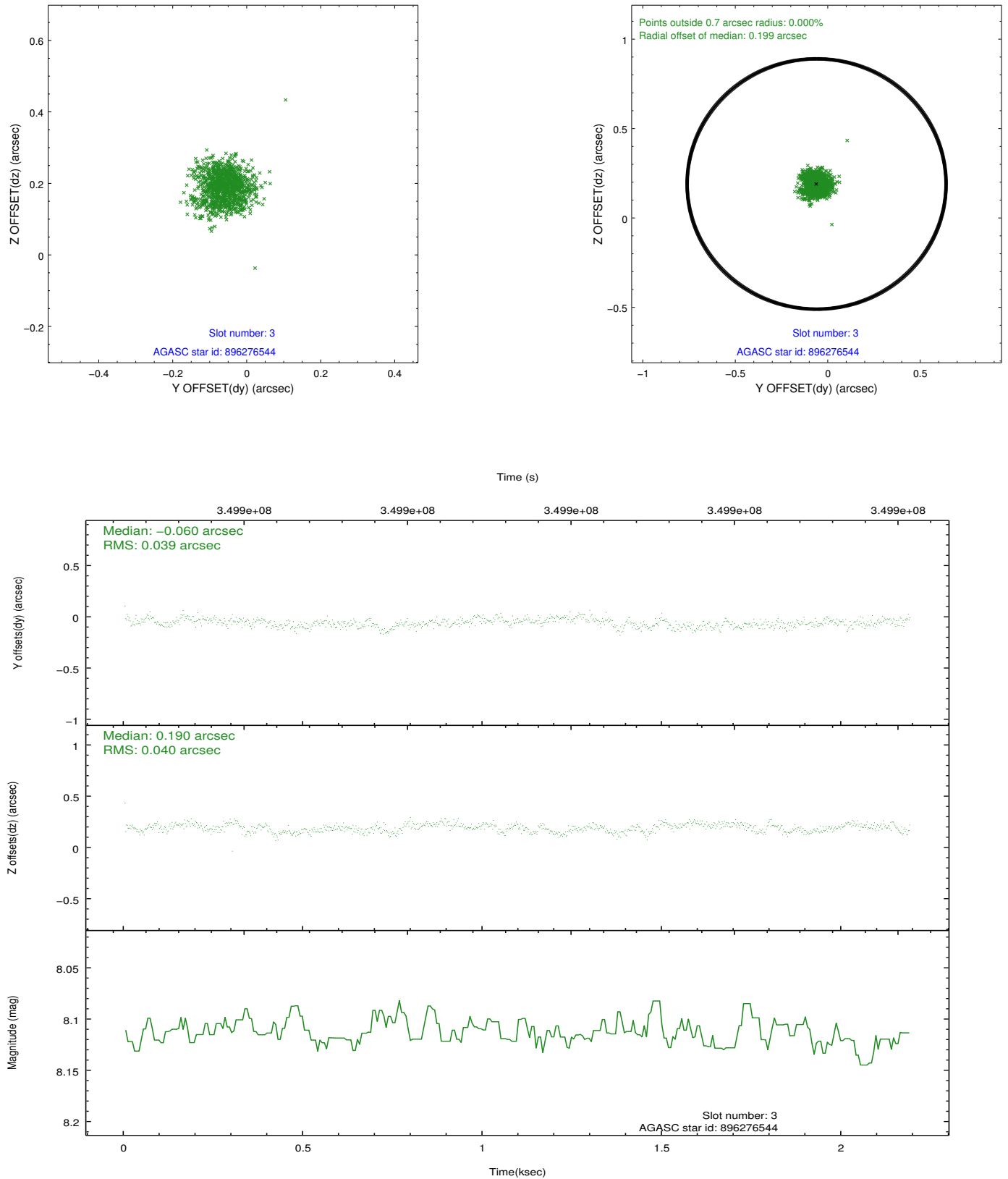


Slot Statistics

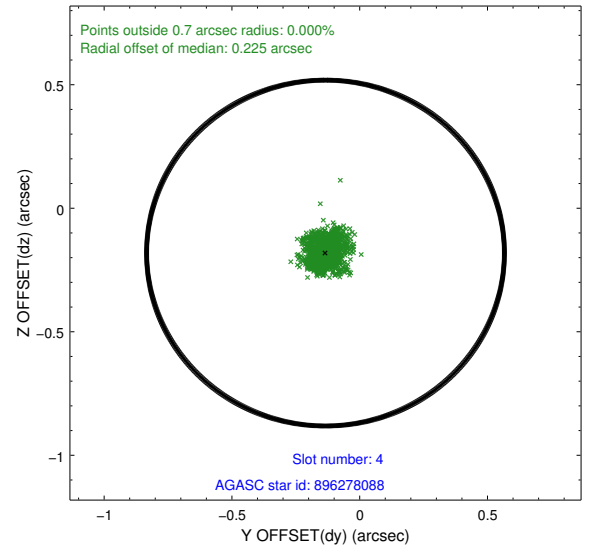
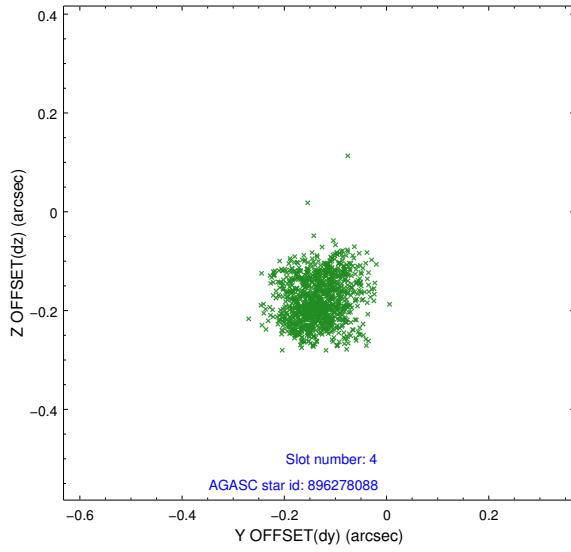
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	533	0.055	-0.034	0.007	0.013	0.000000	0.000000	925.81	-838.98
1	FID	ACIS-I-5	7.07	534	-0.228	0.051	0.006	0.009	0.000000	0.000000	-1820.94	1057.09
2	FID	ACIS-I-6	7.07	534	0.081	0.053	0.007	0.011	0.000000	0.000000	388.13	1704.98
3	GUIDE	896276544	8.11	1068	-0.060	0.190	0.059	0.094	263.666616	-29.255819	1646.88	-405.24
4	GUIDE	896278088	7.60	1068	-0.134	-0.181	0.069	0.104	263.476198	-29.223388	1796.31	185.25
5	GUIDE	966662752	8.26	1068	0.143	-0.128	0.065	0.106	262.898473	-30.245665	-1790.37	2170.46
6	GUIDE	966791064	7.78	1068	0.199	0.297	0.060	0.093	263.920275	-30.338943	-2291.13	-982.35
7	GUIDE	966662760	8.71	1066	-0.149	-0.175	0.071	0.114	262.815203	-30.091834	-1229.28	2402.58

2.4 Star Slots

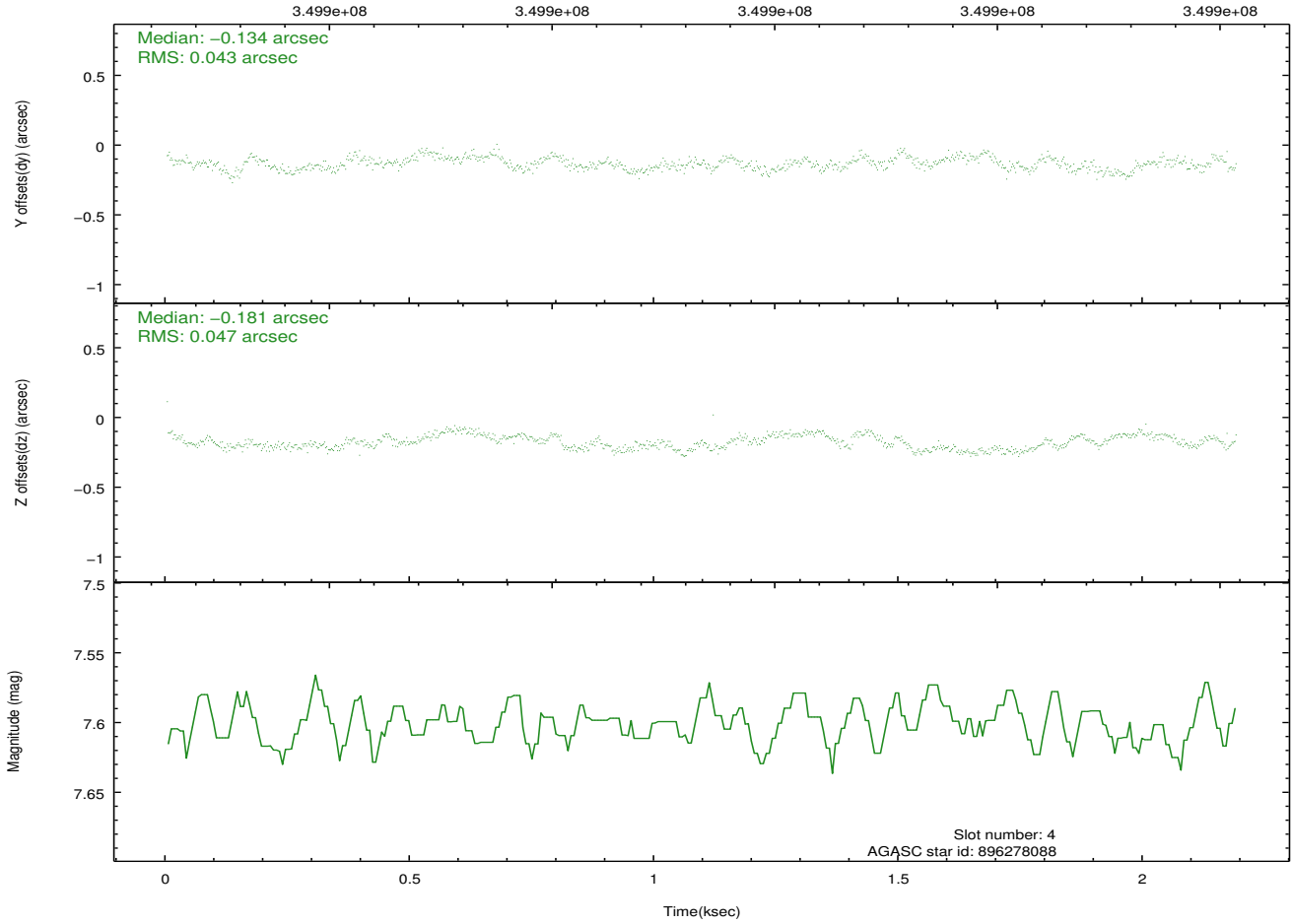
2.4.1 Slot 3



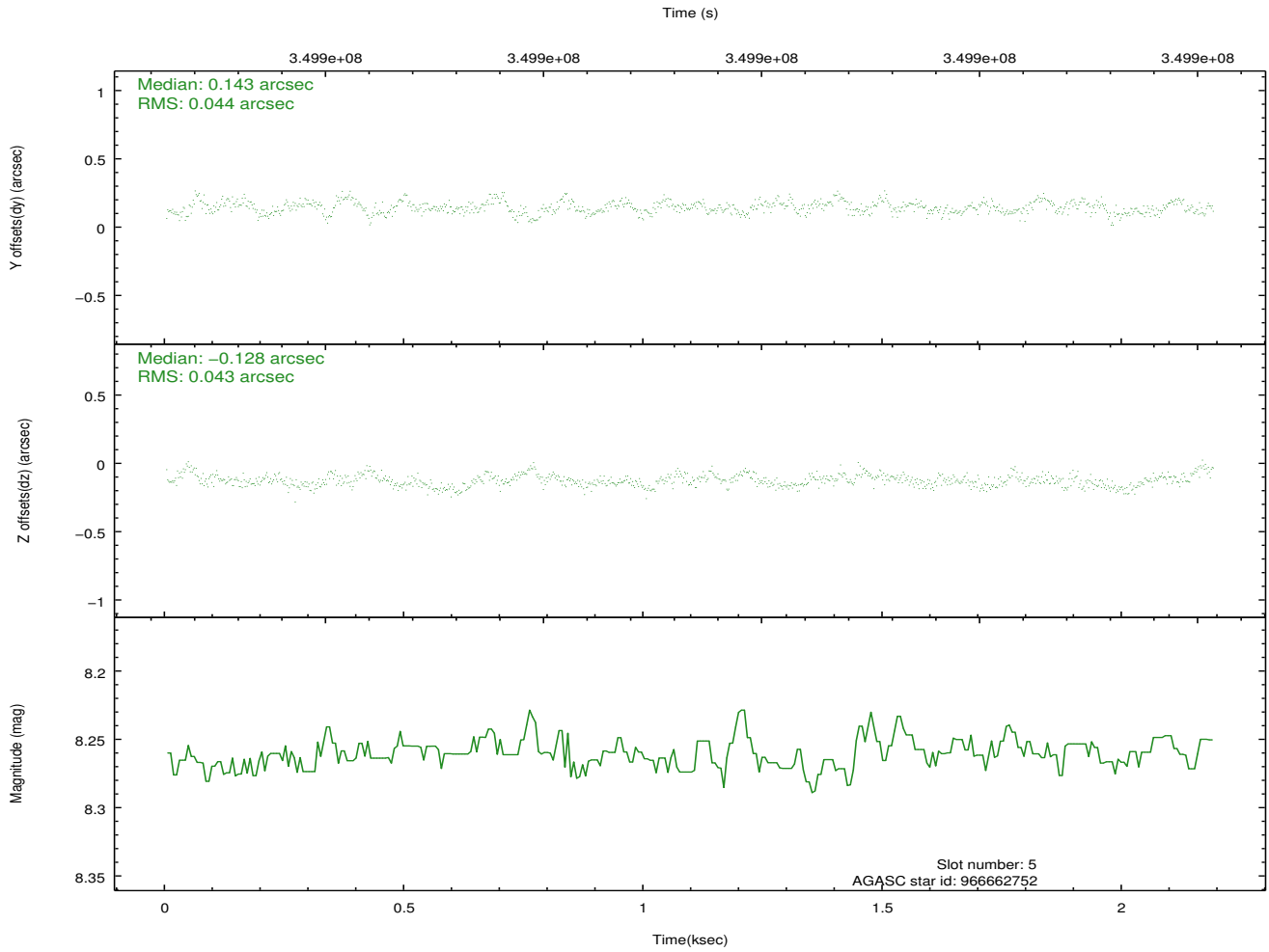
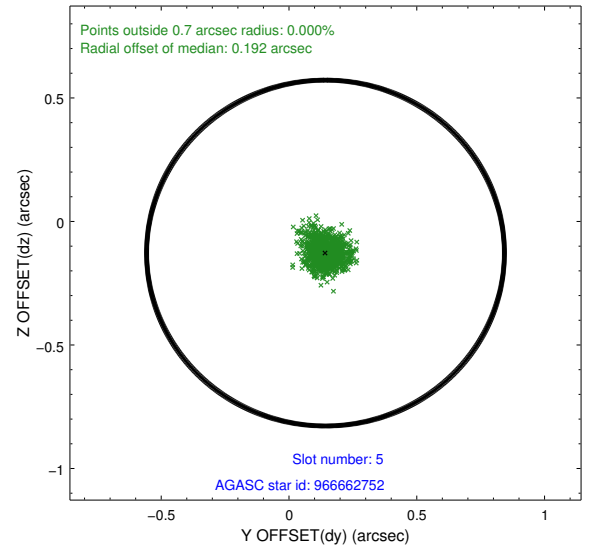
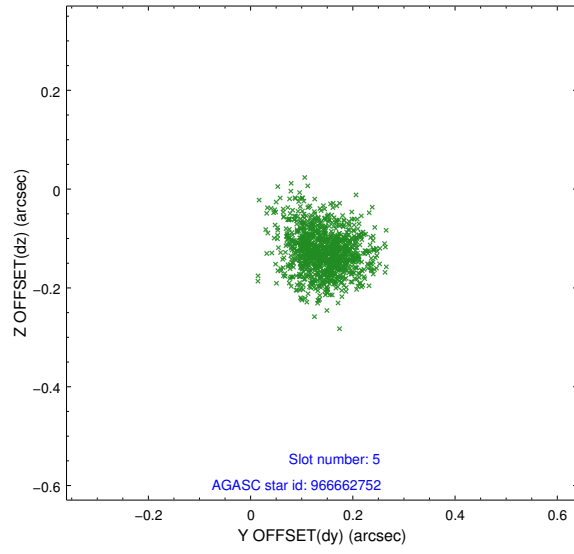
2.4.2 Slot 4



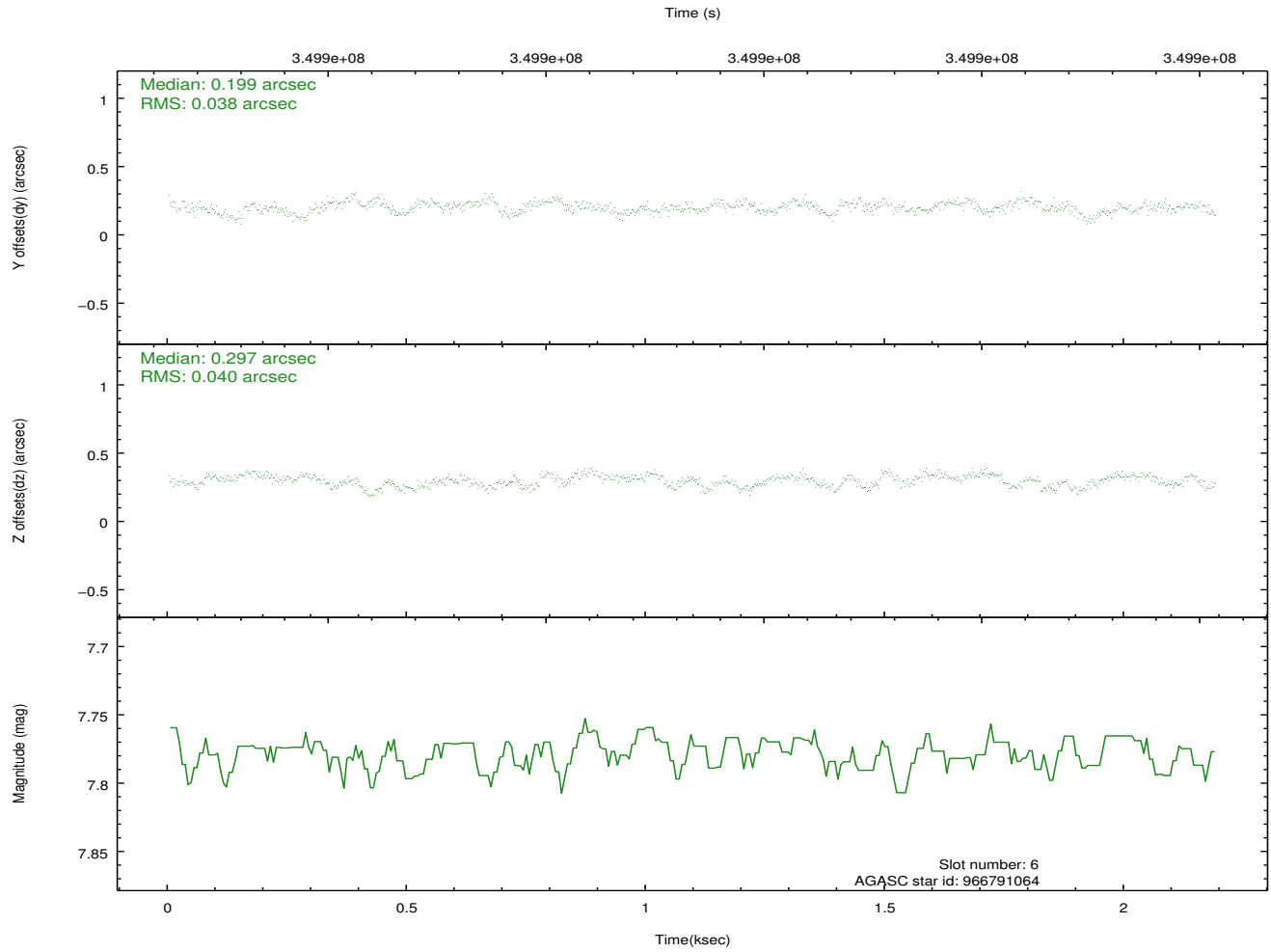
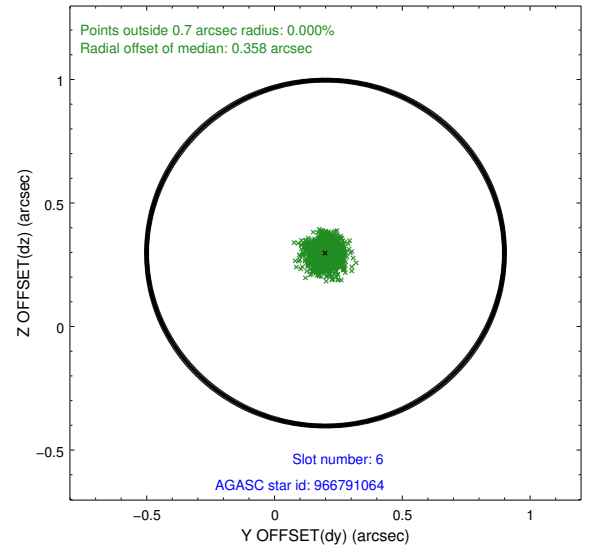
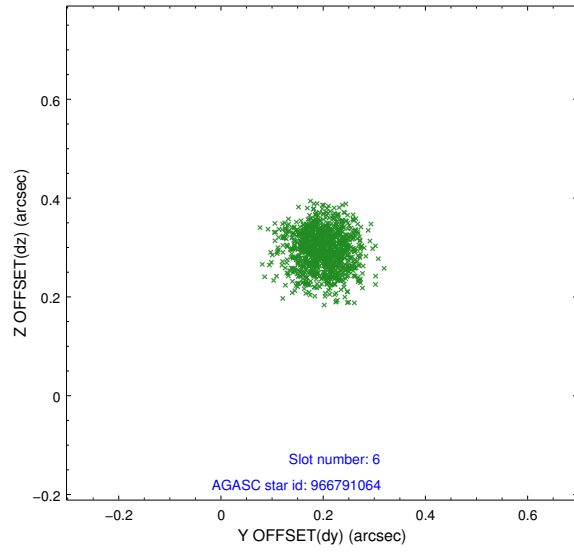
Time (s)



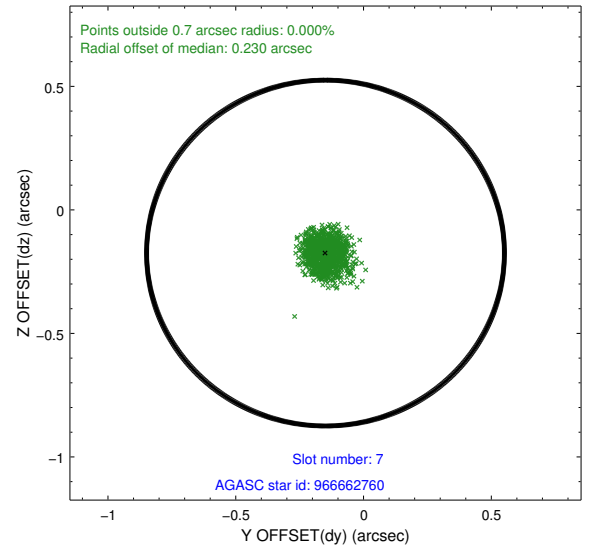
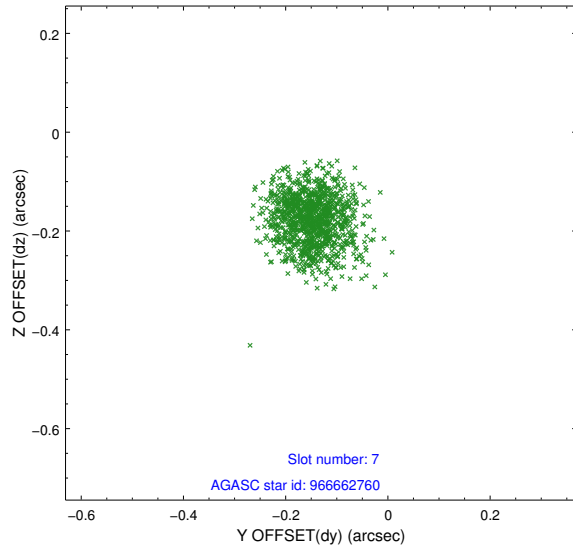
2.4.3 Slot 5



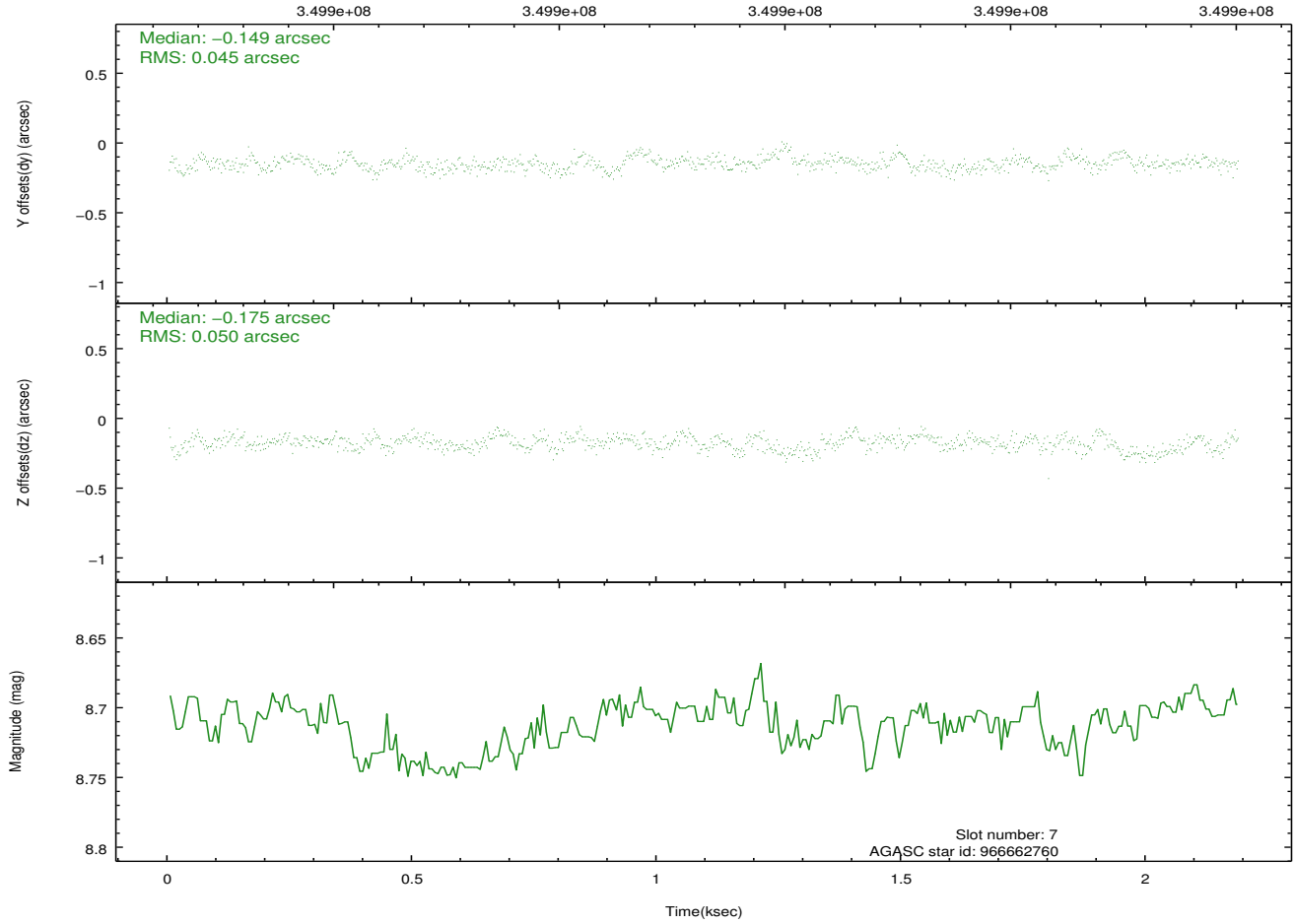
2.4.4 Slot 6



2.4.5 Slot 7

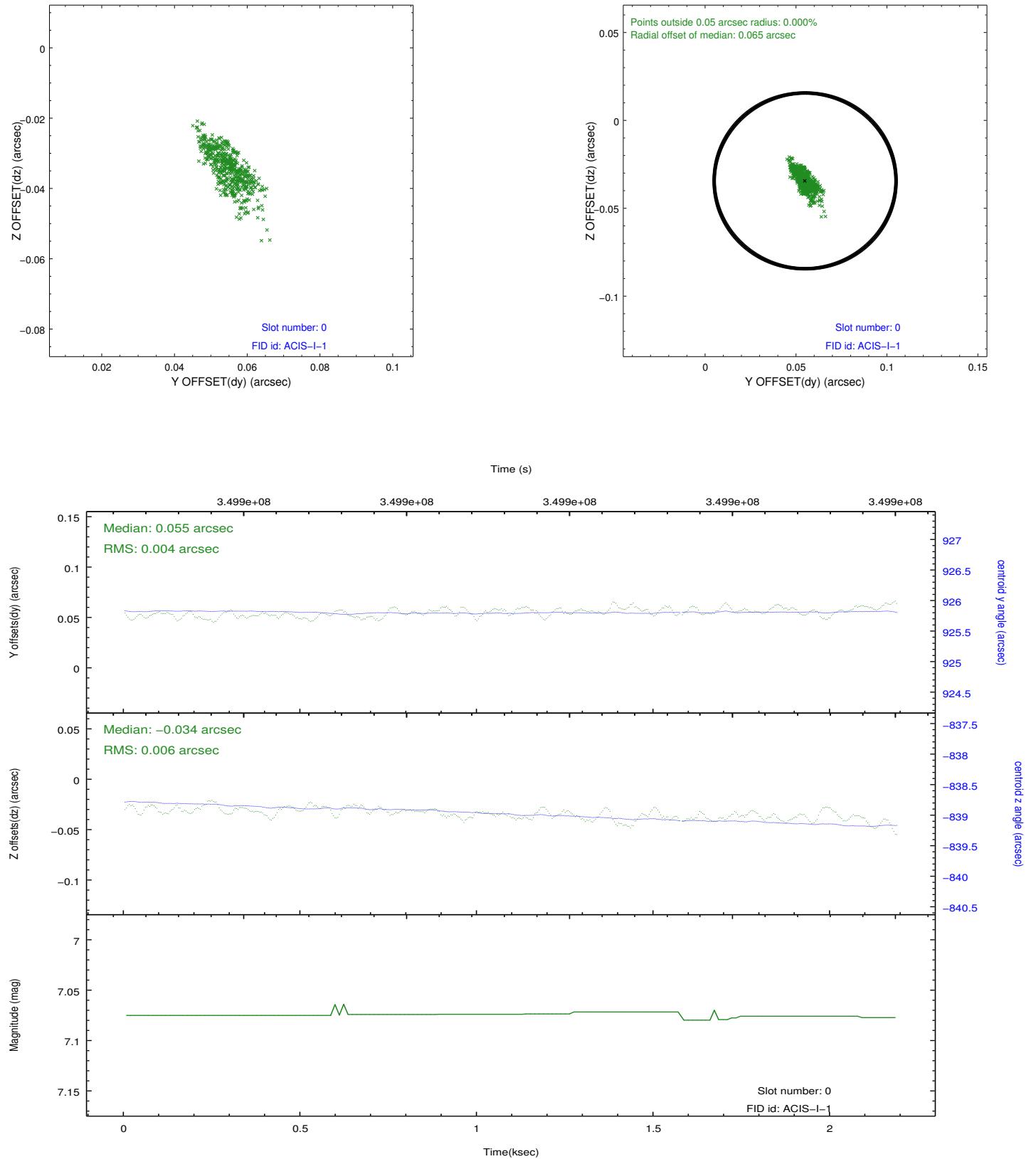


Time (s)

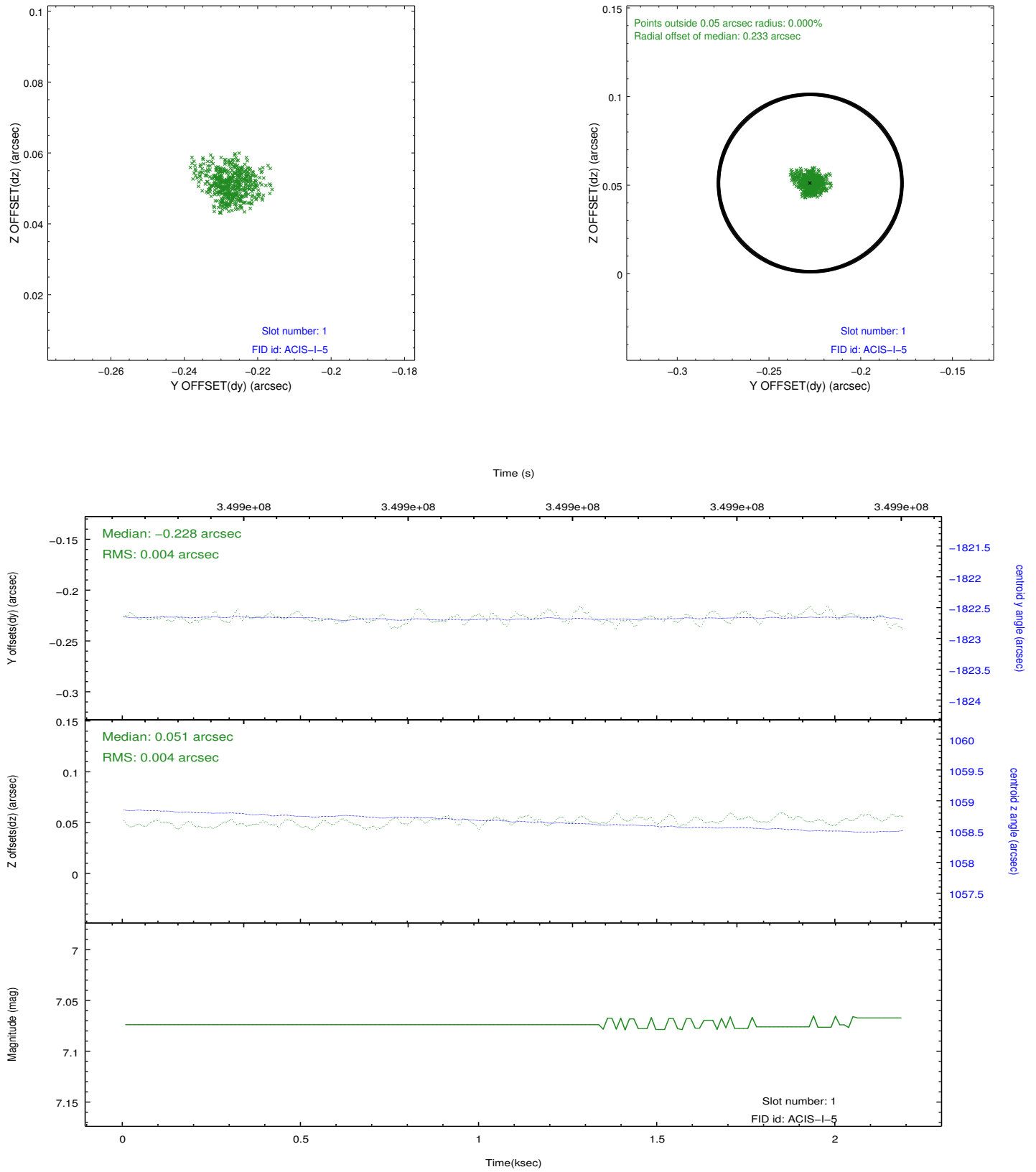


2.5 FID Slots

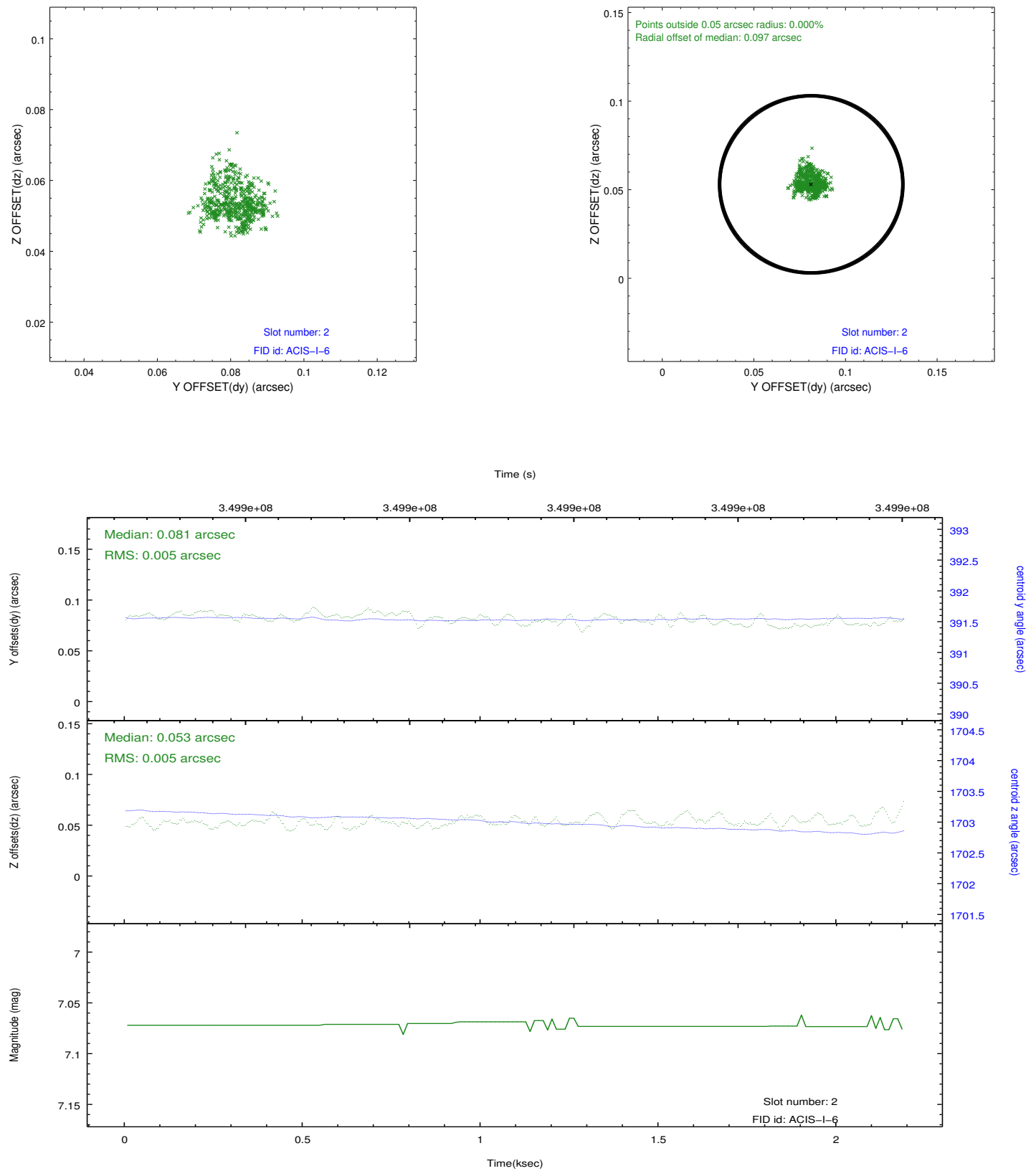
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
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