

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9564 - L2 Version 2
Chandra X-Ray Center

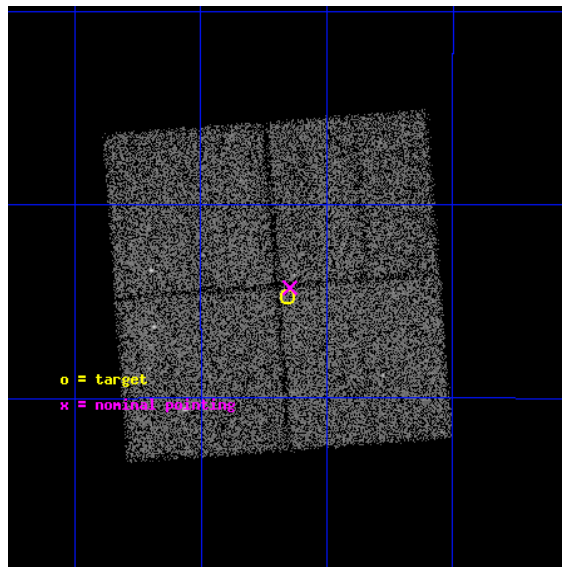
L2 Processing Date : May 14 2012

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1 Front

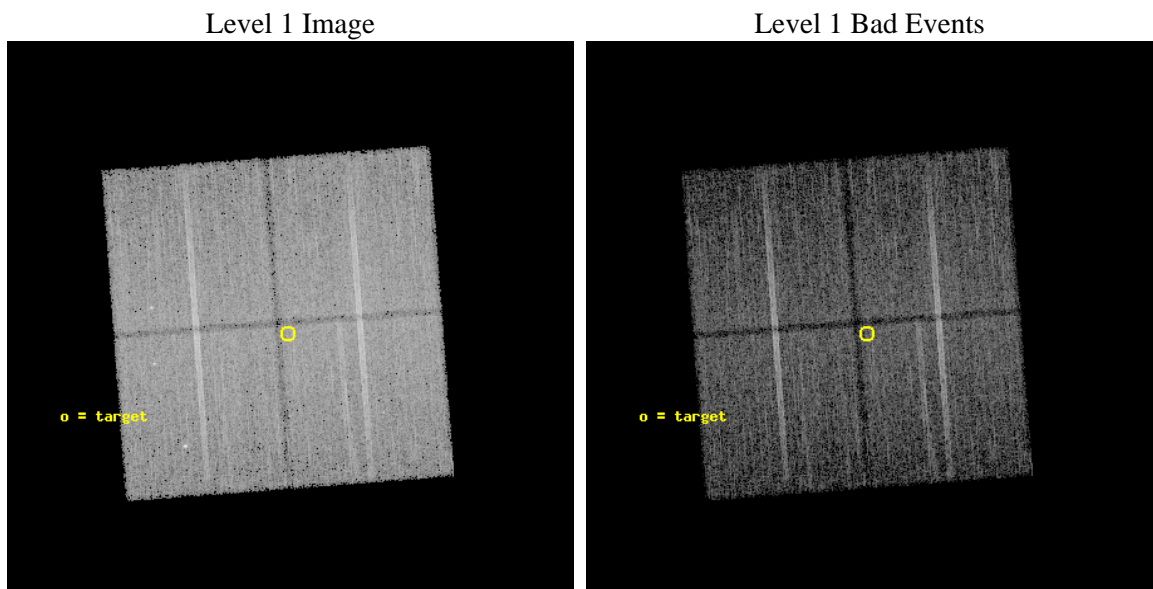
seq_num	600705	Sequence number
obs_id	9564	Observation id
title	Galactic Bulge Latitude Survey -3	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	GBW33	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.28875	Observer's specified target RA [deg]
dec_targ	-28.579639	Observer's specified target Dec [deg]
ra_nom	265.28668011953	Nominal RA [deg]
dec_nom	-28.571745416644	Nominal Dec [deg]
roll_nom	85.707718436822	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14790.10011375	Sum of GTIs [s]
livetime	14596.85656745	Livetime [s]
ontime0	14790.10011375	Sum of GTIs [s]
ontime1	14786.959113538	Sum of GTIs [s]
ontime2	14790.10011375	Sum of GTIs [s]
ontime3	14790.10011375	Sum of GTIs [s]
l2events	67980	Number of level 2 events



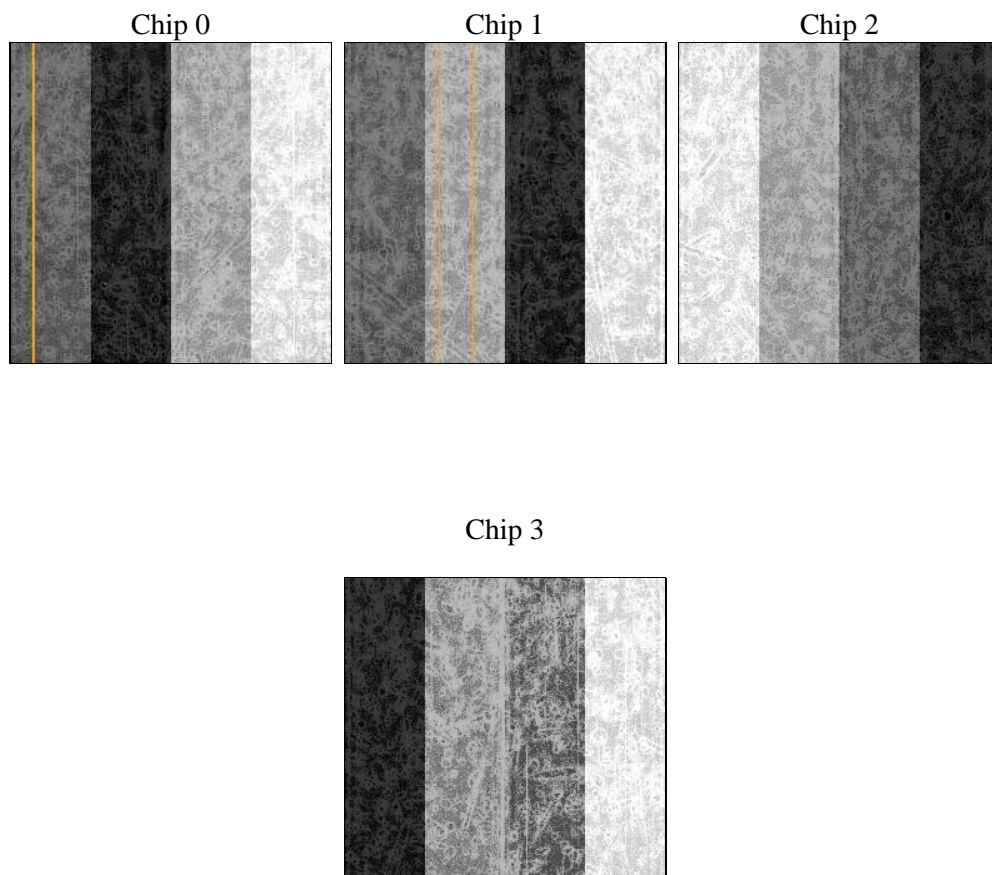
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14790.10011375	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	14790.10011375	Sum of GTIs [s]
date	2012-05-14T02:43:07	Date and time of file creation	ontime1	14786.959113538	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	14790.10011375	Sum of GTIs [s]
			ontime3	14790.10011375	Sum of GTIs [s]
			l1events	532367	Number of level 1 events

2.1.4 Events

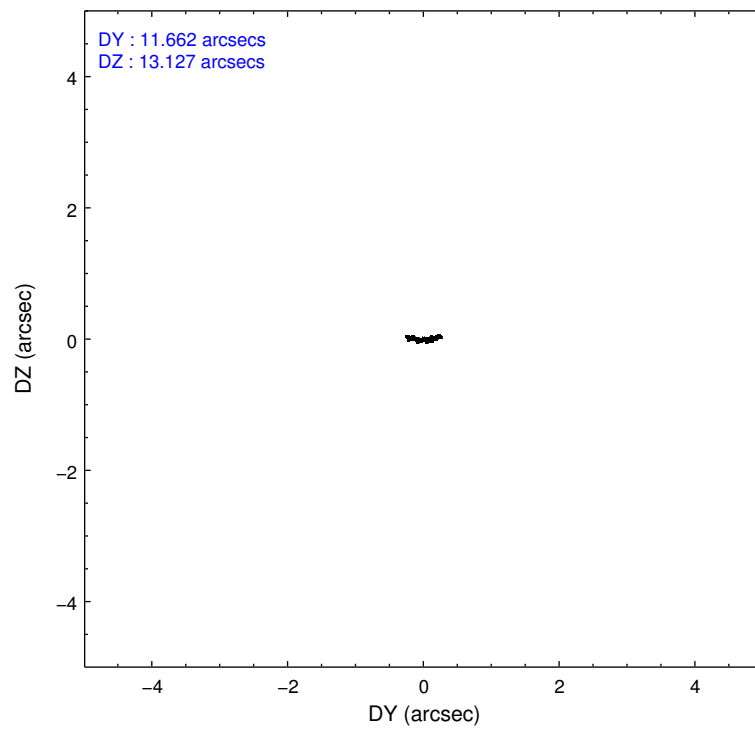
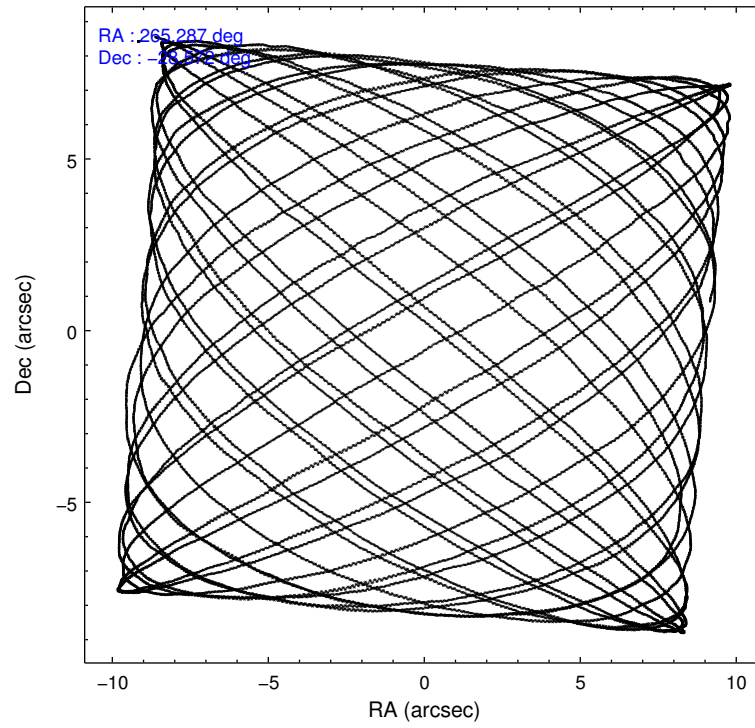
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	128741	131532	136657	135437
rejected events	109024	110680	118031	116338
rejected %	84%	84%	86%	85%

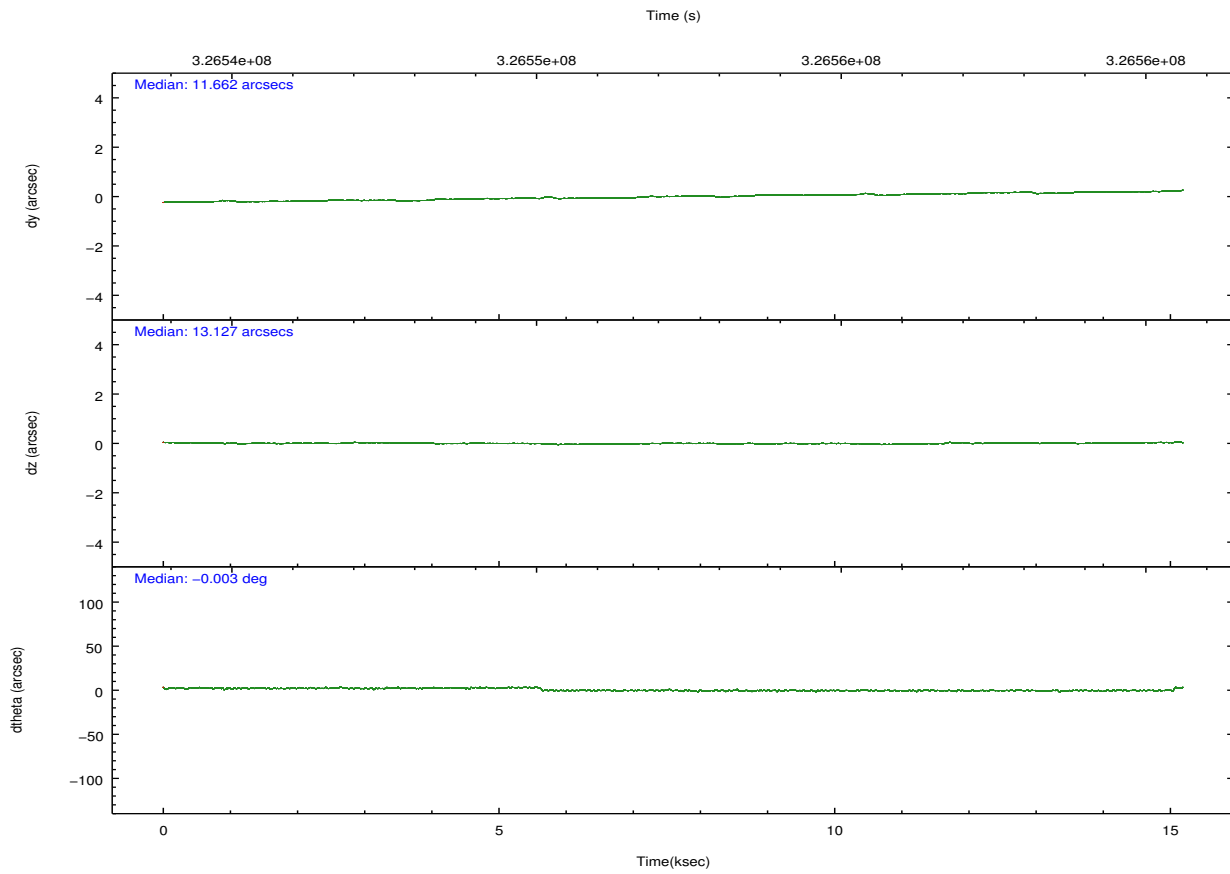
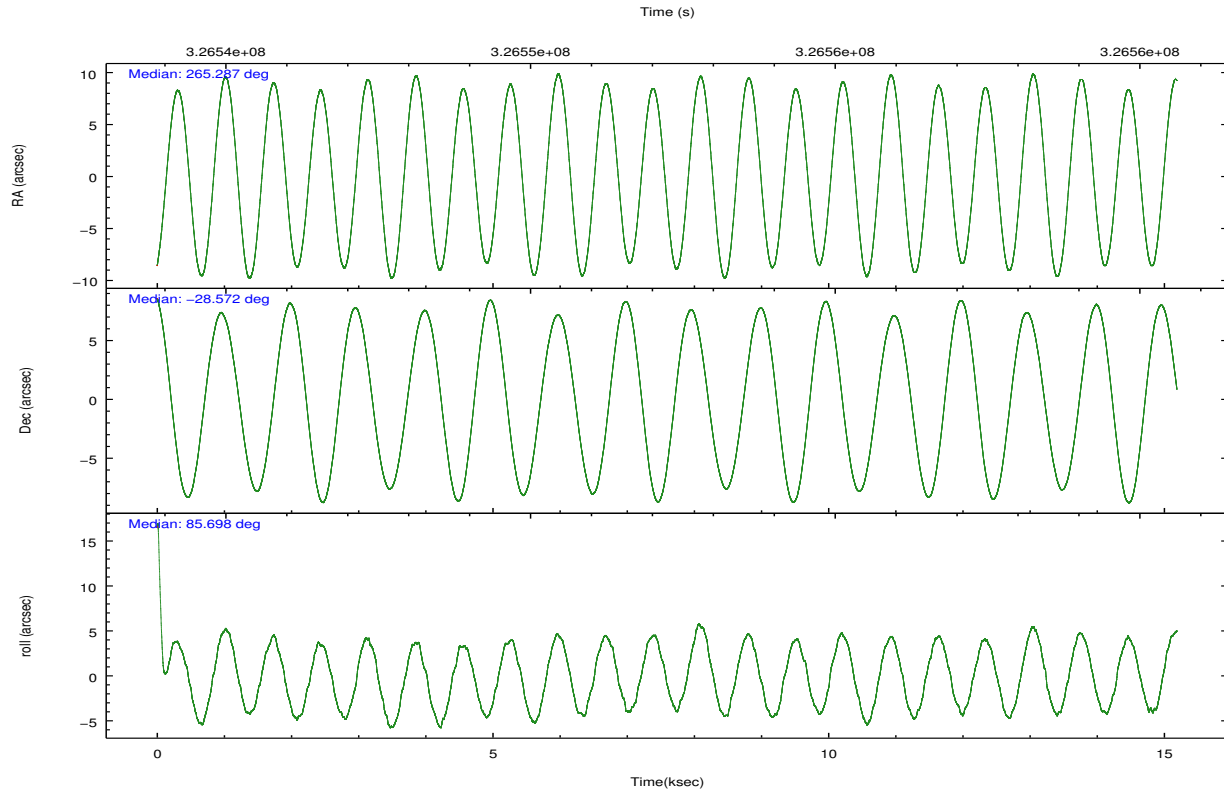
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	9181	8998	8795	9110
	7%	6%	6%	6%
grade 1 events	101	79	85	92
	0%	0%	0%	0%
grade 2 events	4052	4578	3747	3562
	3%	3%	2%	2%
grade 3 events	1732	1759	1612	1677
	1%	1%	1%	1%
grade 4 events	1648	1786	1642	1690
	1%	1%	1%	1%
grade 5 events	5770	6267	5662	6526
	4%	4%	4%	4%
grade 6 events	3110	3739	2831	3061
	2%	2%	2%	2%
grade 7 events	103147	104326	112283	109719
	80%	79%	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	265.300370	265.2866801195265	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.596489	-28.57174541664446	Alternating exposures requested	N	N
[deg] Pointing Roll	85.505562	85.70771843682208	[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)	326544826.184000	326544397.17543			
Observation start date	2008-05-07T10:52:41	2008-05-07T10:46:37			
[s] Observation end time (MET)	326559826.184000	326560079.16369			
Observation end date	2008-05-07T15:02:41	2008-05-07T15:07:59			
Read mode	TIMED	TIMED			

2.3 Aspect



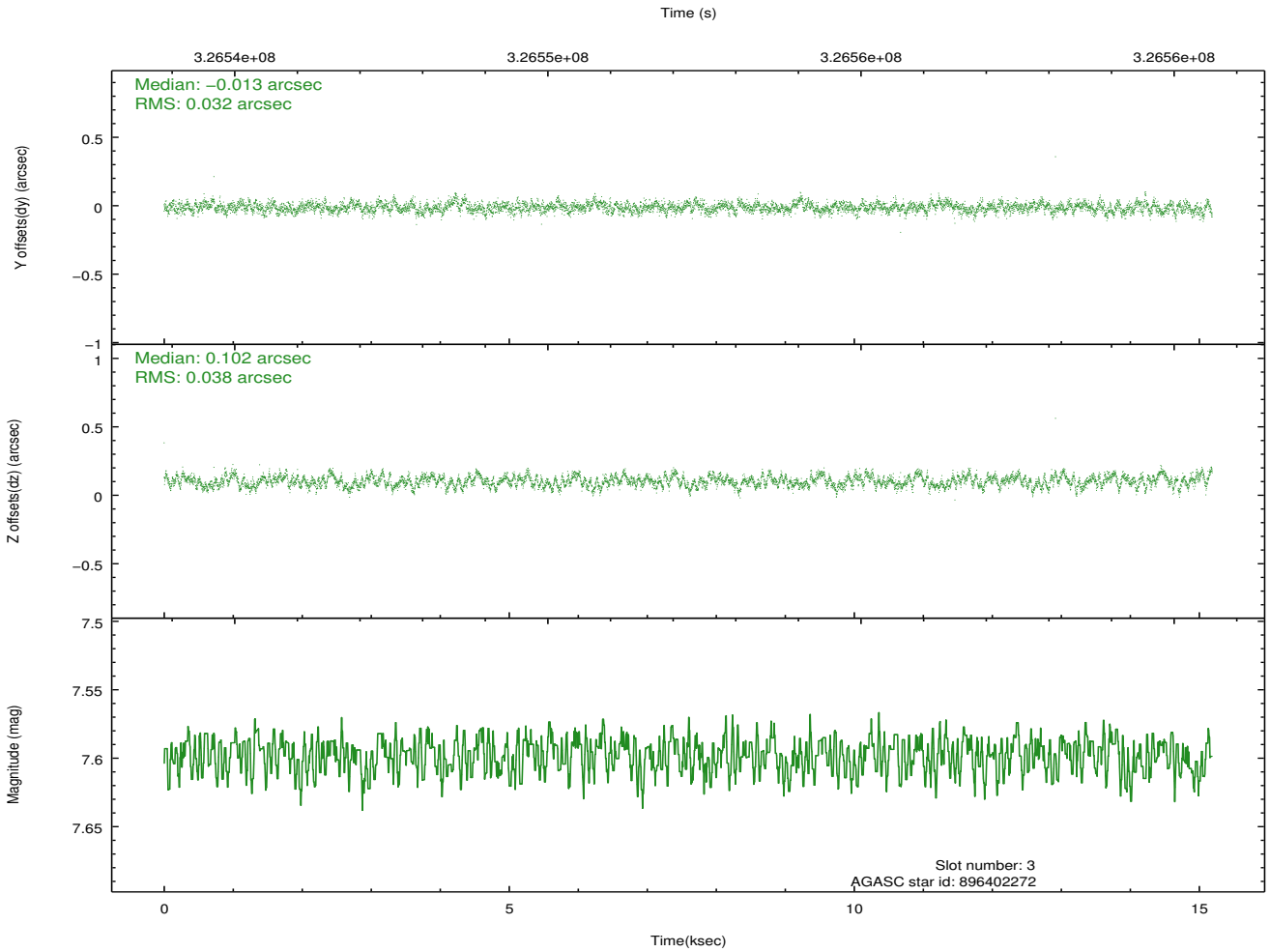
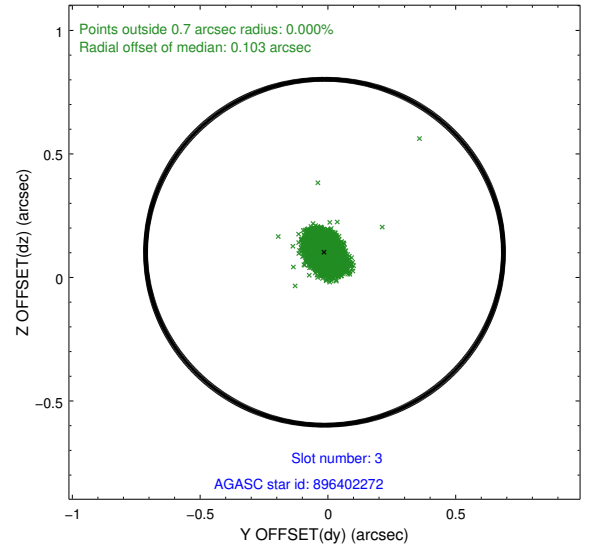
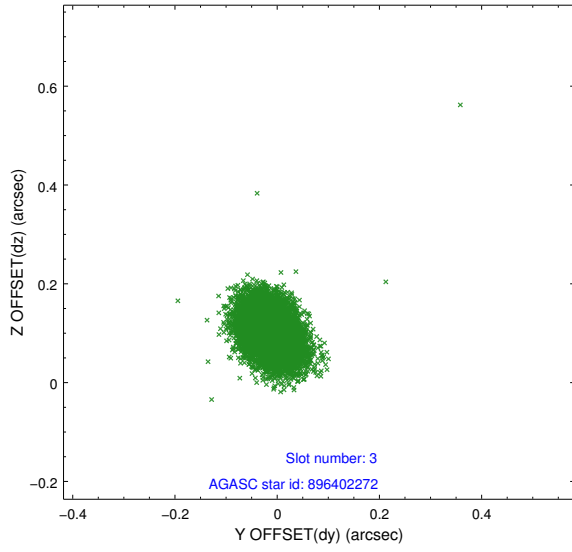


Slot Statistics

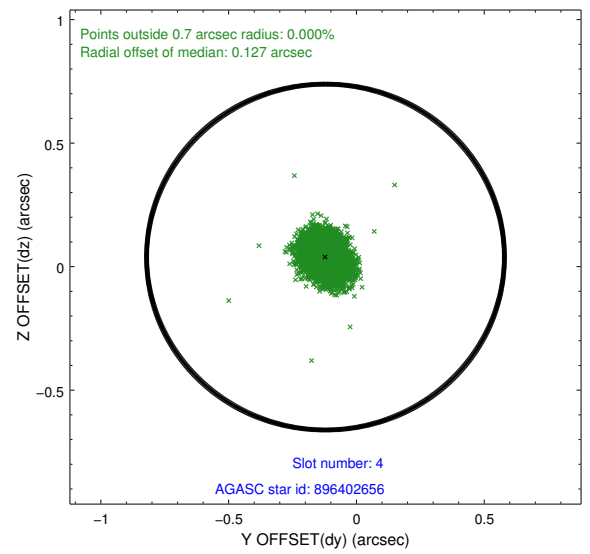
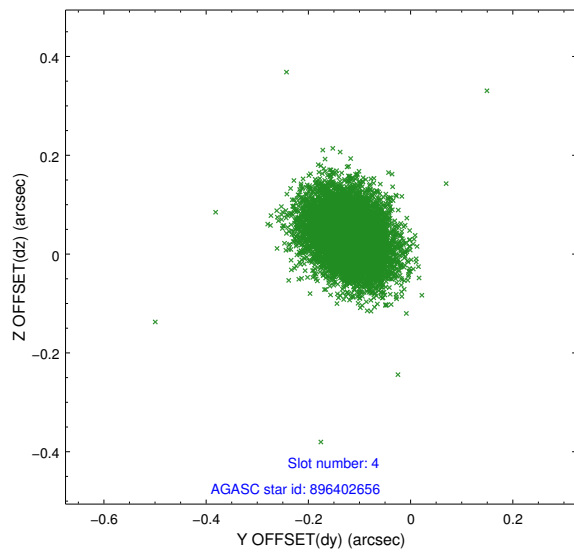
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	3705	-0.016	-0.032	0.026	0.038	0.000000	0.000000	927.89	-836.69
1	FID	ACIS-I-4	6.96	3703	0.141	0.055	0.022	0.030	0.000000	0.000000	2148.24	1063.04
2	FID	ACIS-I-5	7.01	3705	-0.224	0.047	0.009	0.016	0.000000	0.000000	-1819.95	1061.20
3	GUIDE	896402272	7.60	7410	-0.013	0.102	0.052	0.084	265.637294	-28.313189	1099.32	-984.41
4	GUIDE	896402656	8.85	7364	-0.121	0.039	0.068	0.111	265.739192	-28.230753	1419.64	-1284.42
5	GUIDE	896402976	7.46	7409	0.123	-0.113	0.072	0.112	265.099474	-28.923203	-1222.23	538.43
6	GUIDE	896404568	7.86	7410	-0.016	0.081	0.054	0.091	265.687293	-28.431080	687.91	-1174.33
7	GUIDE	896405616	7.82	7408	0.025	-0.108	0.064	0.098	264.752771	-28.412560	519.67	1780.56

2.4 Star Slots

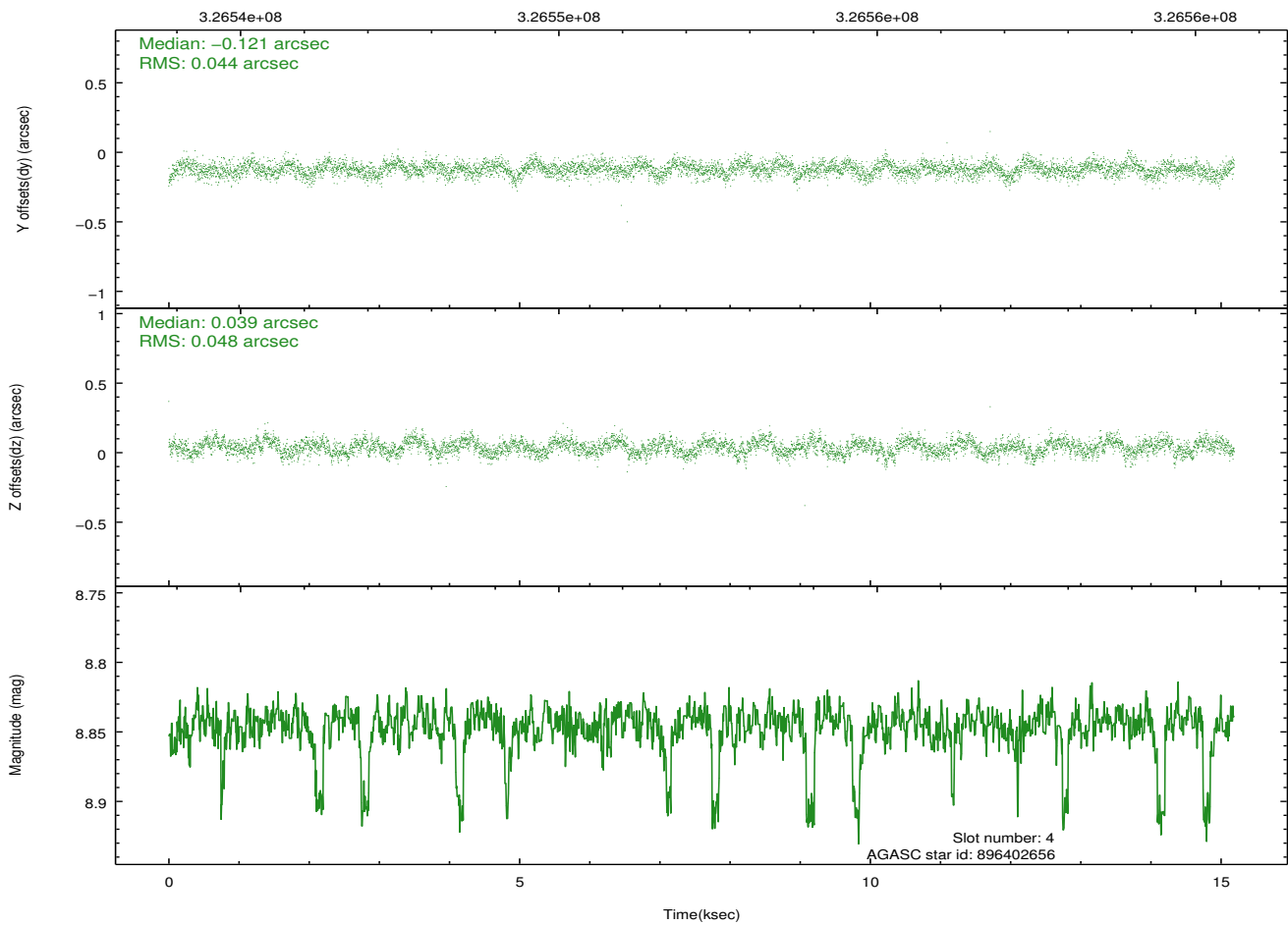
2.4.1 Slot 3



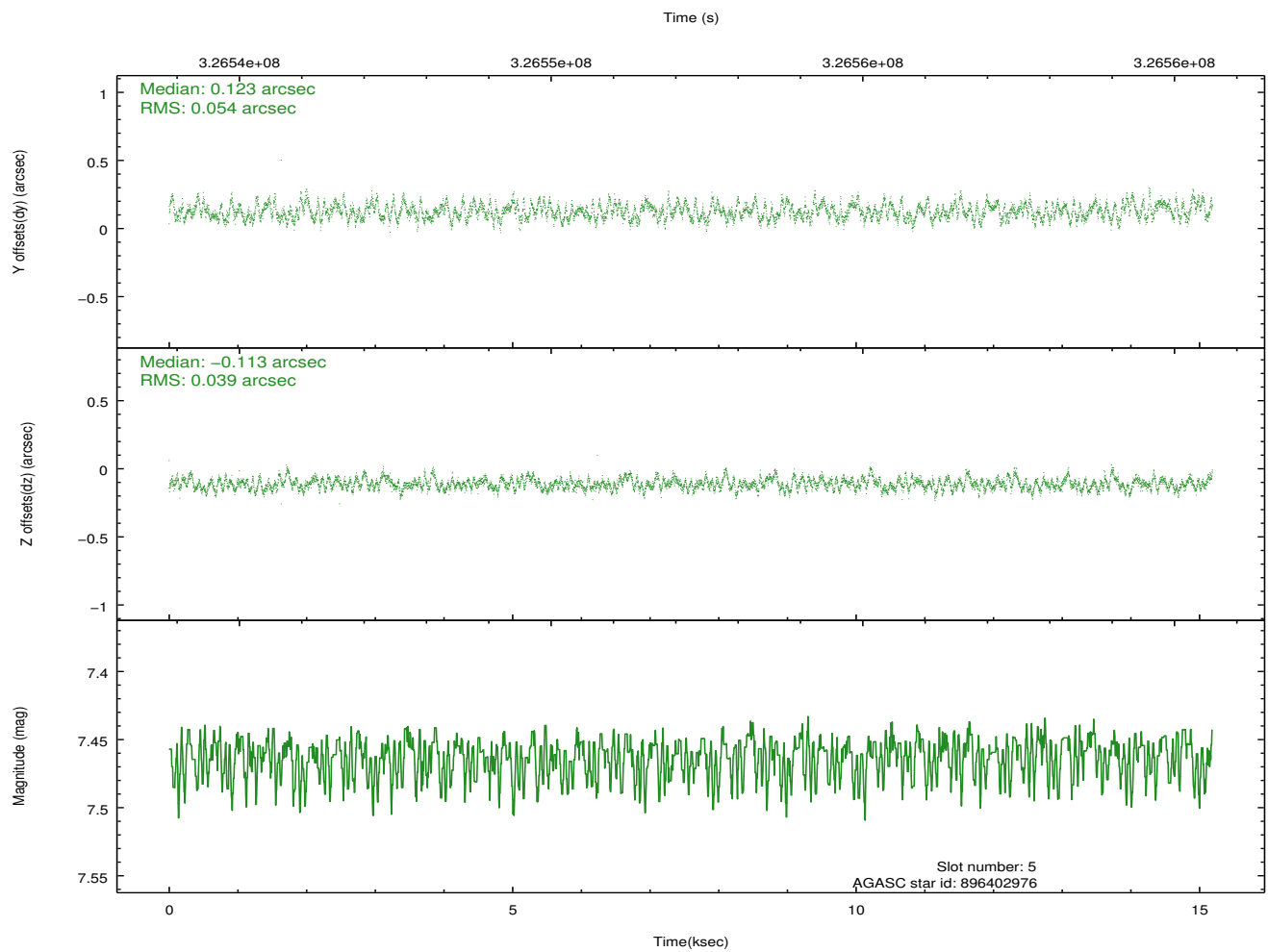
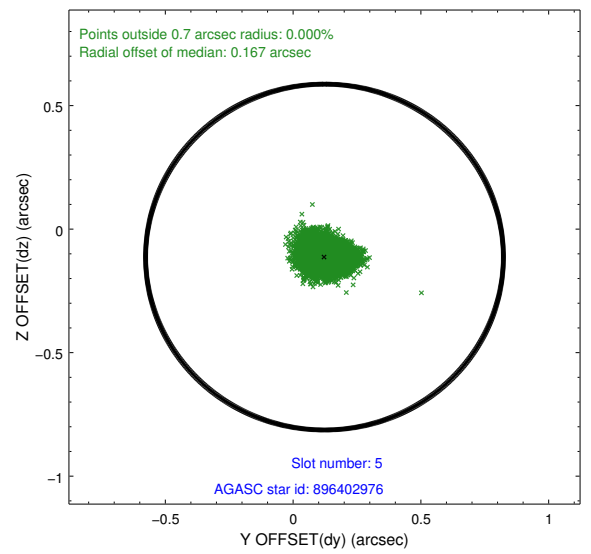
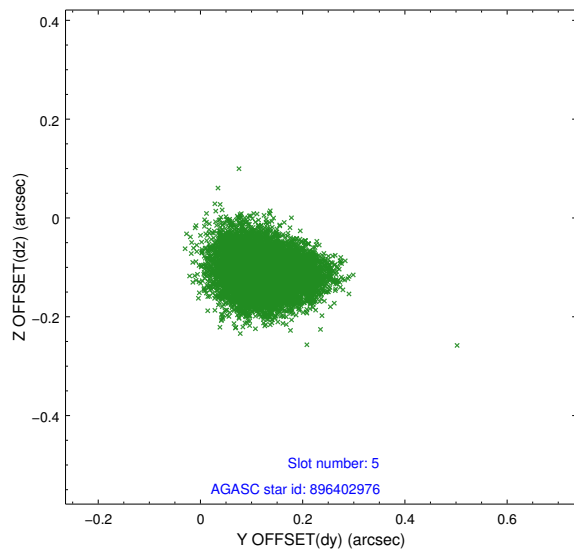
2.4.2 Slot 4



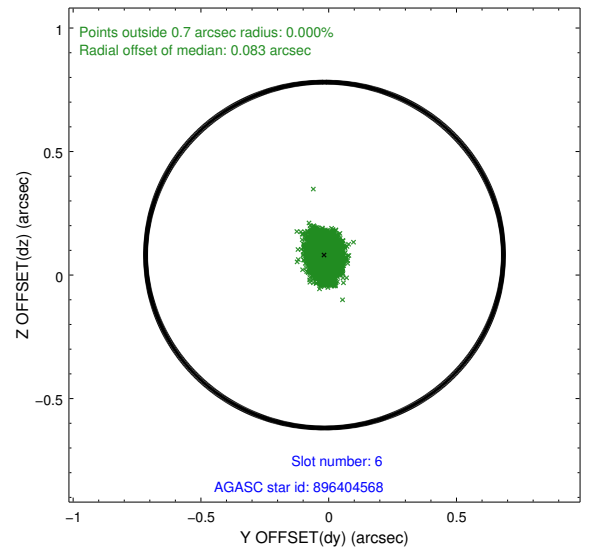
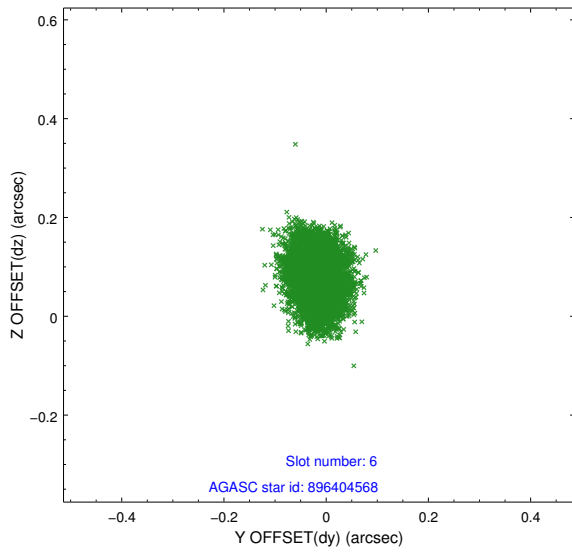
Time (s)



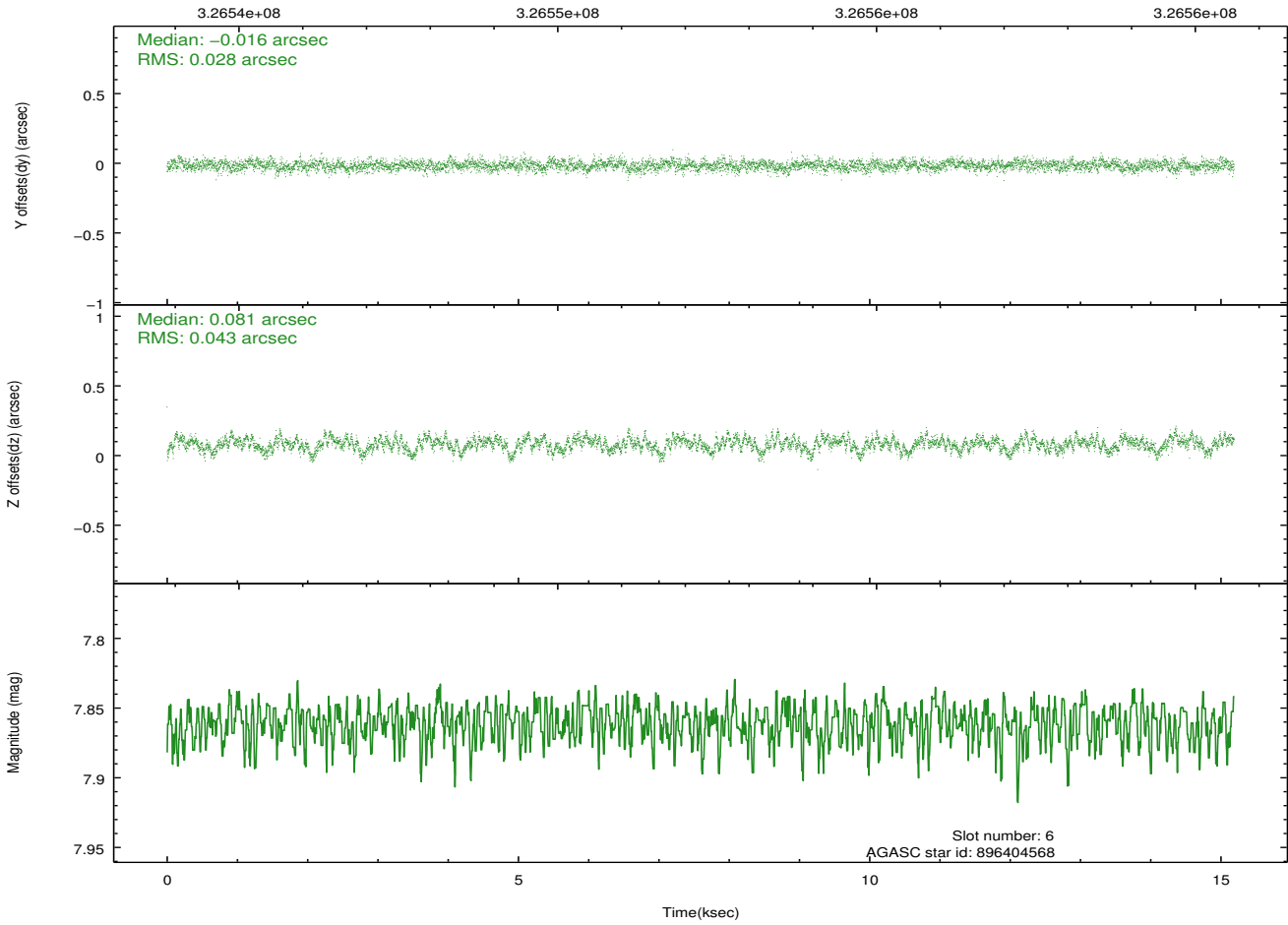
2.4.3 Slot 5



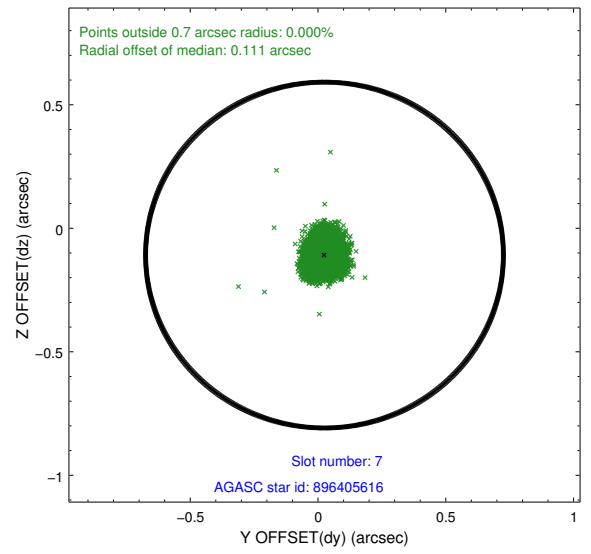
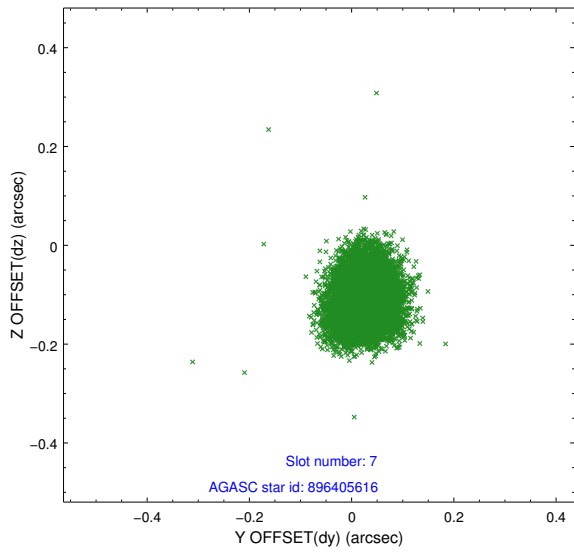
2.4.4 Slot 6



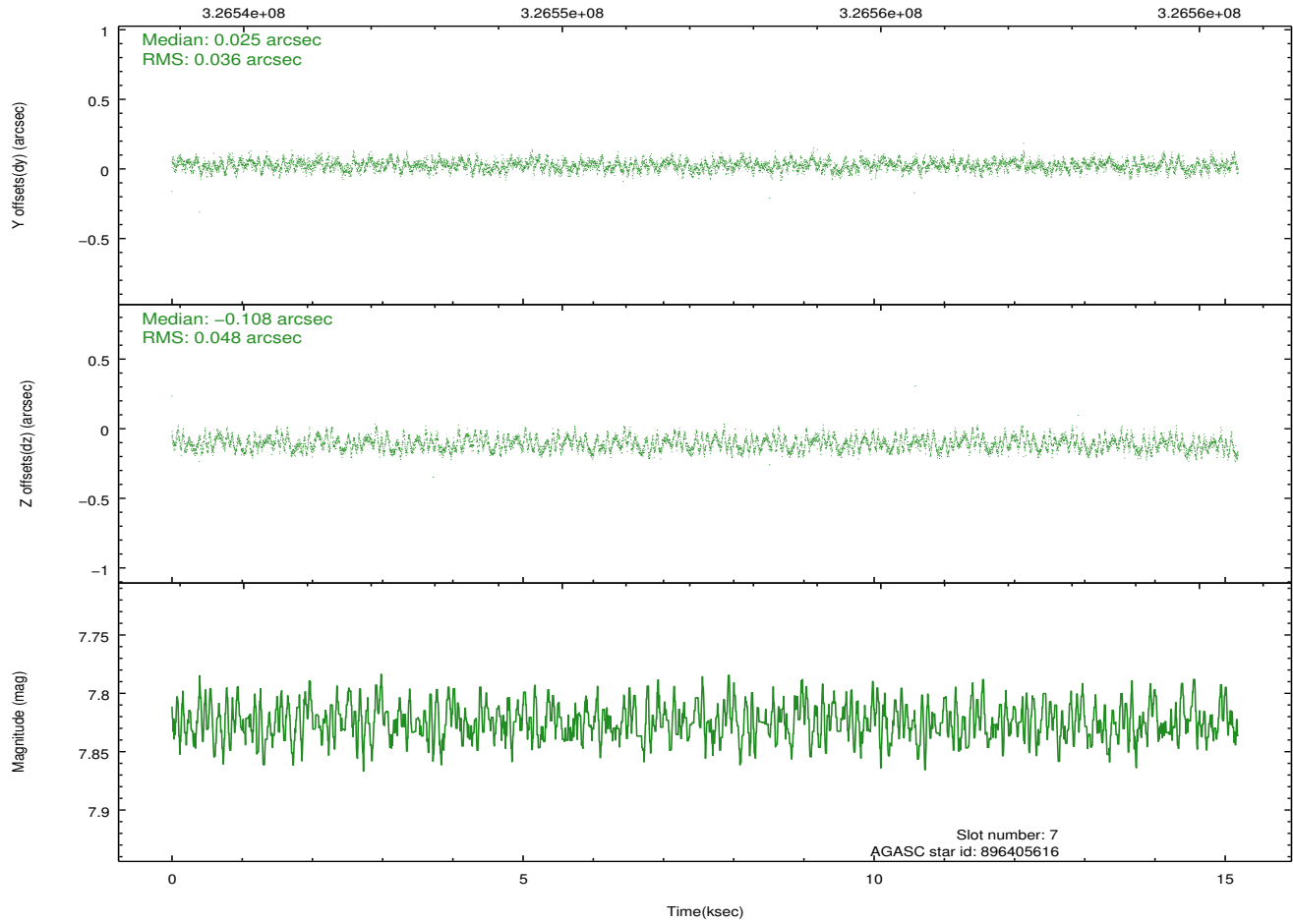
Time (s)



2.4.5 Slot 7

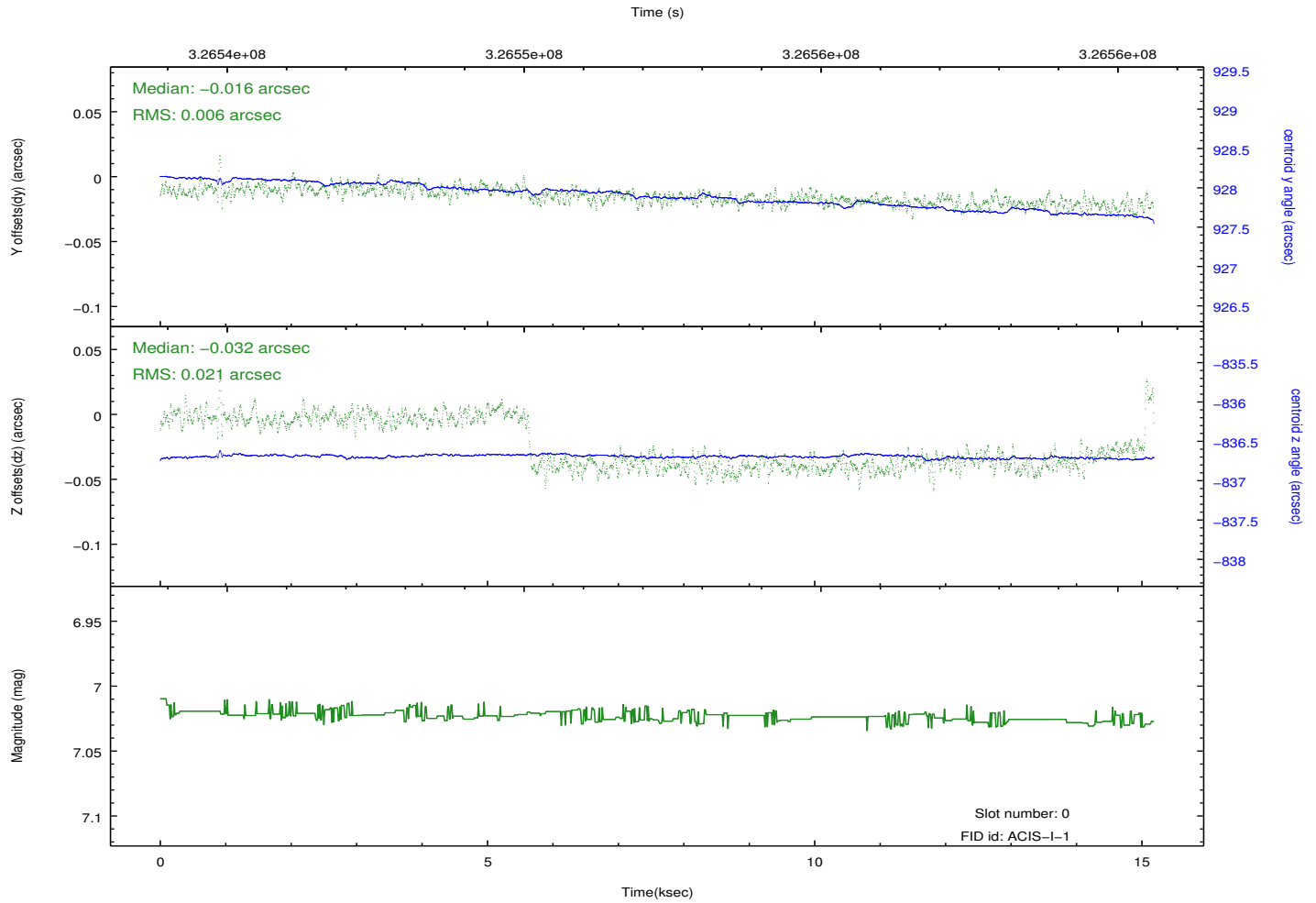
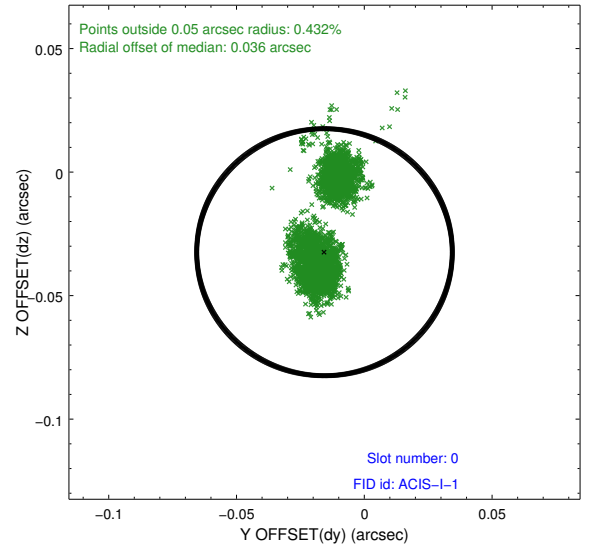
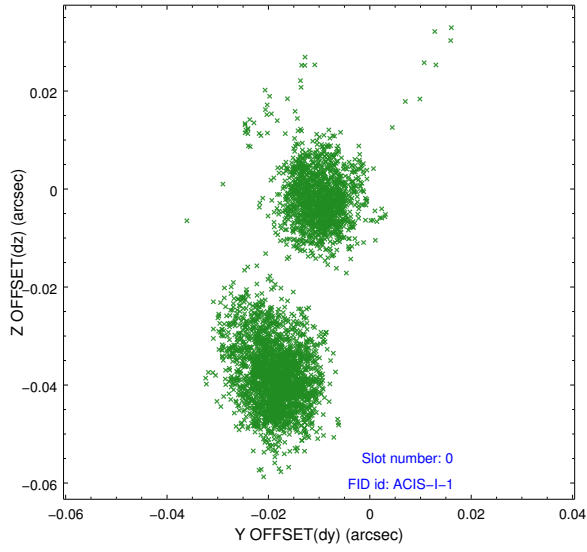


Time (s)

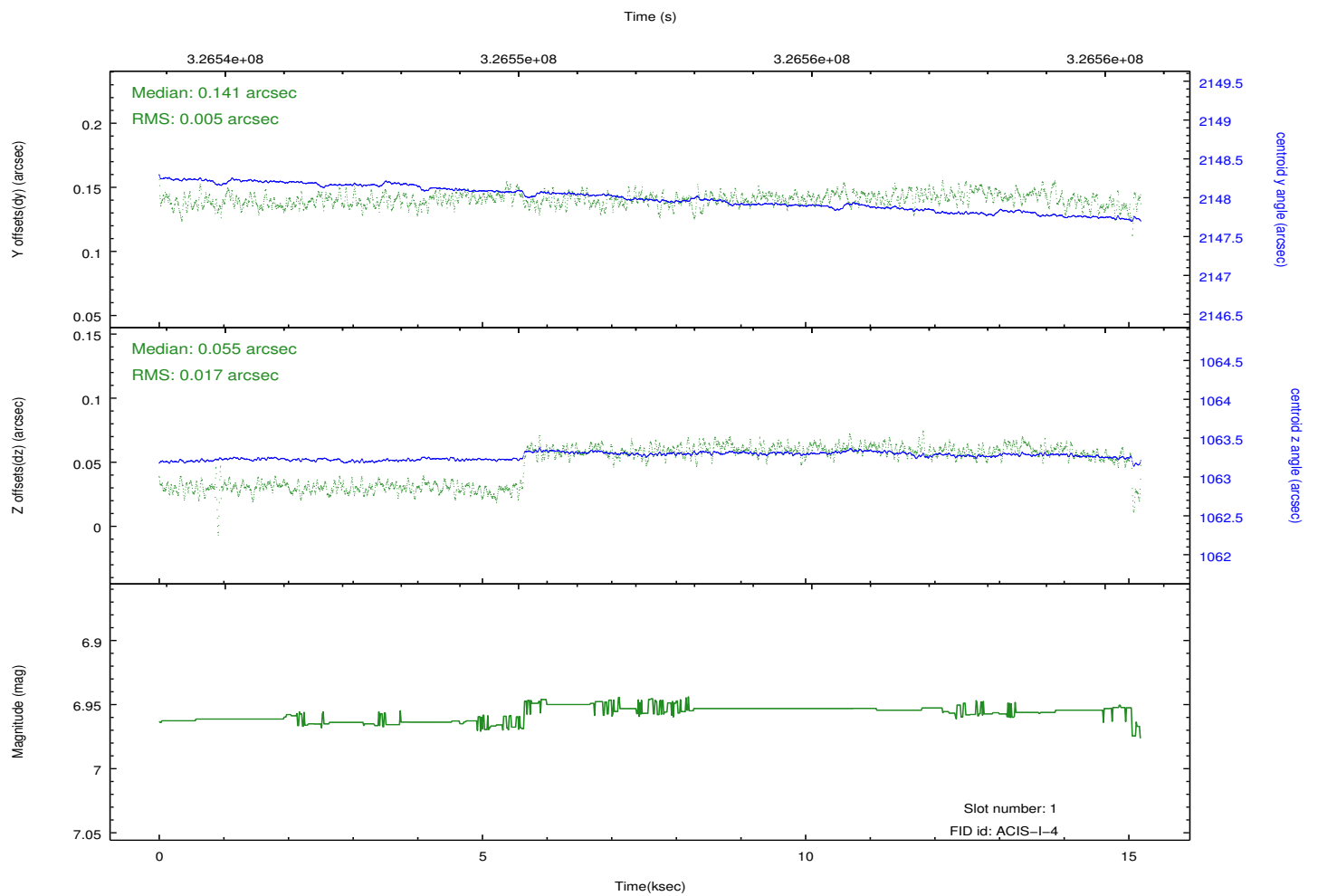
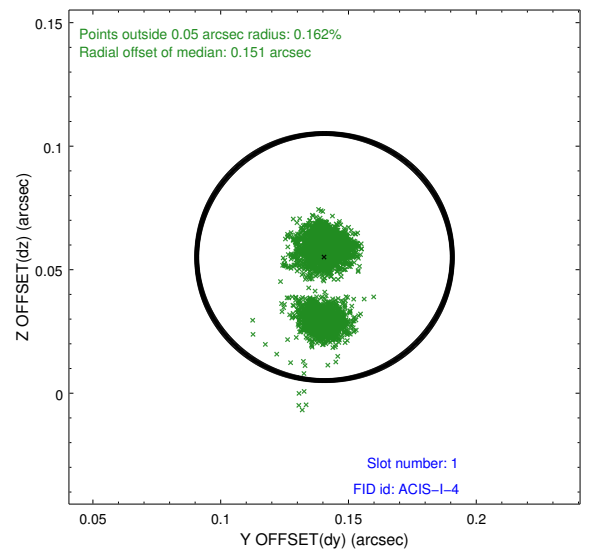
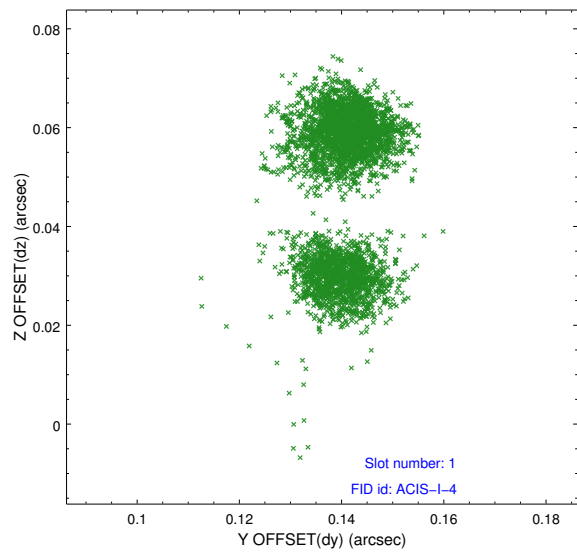


2.5 FID Slots

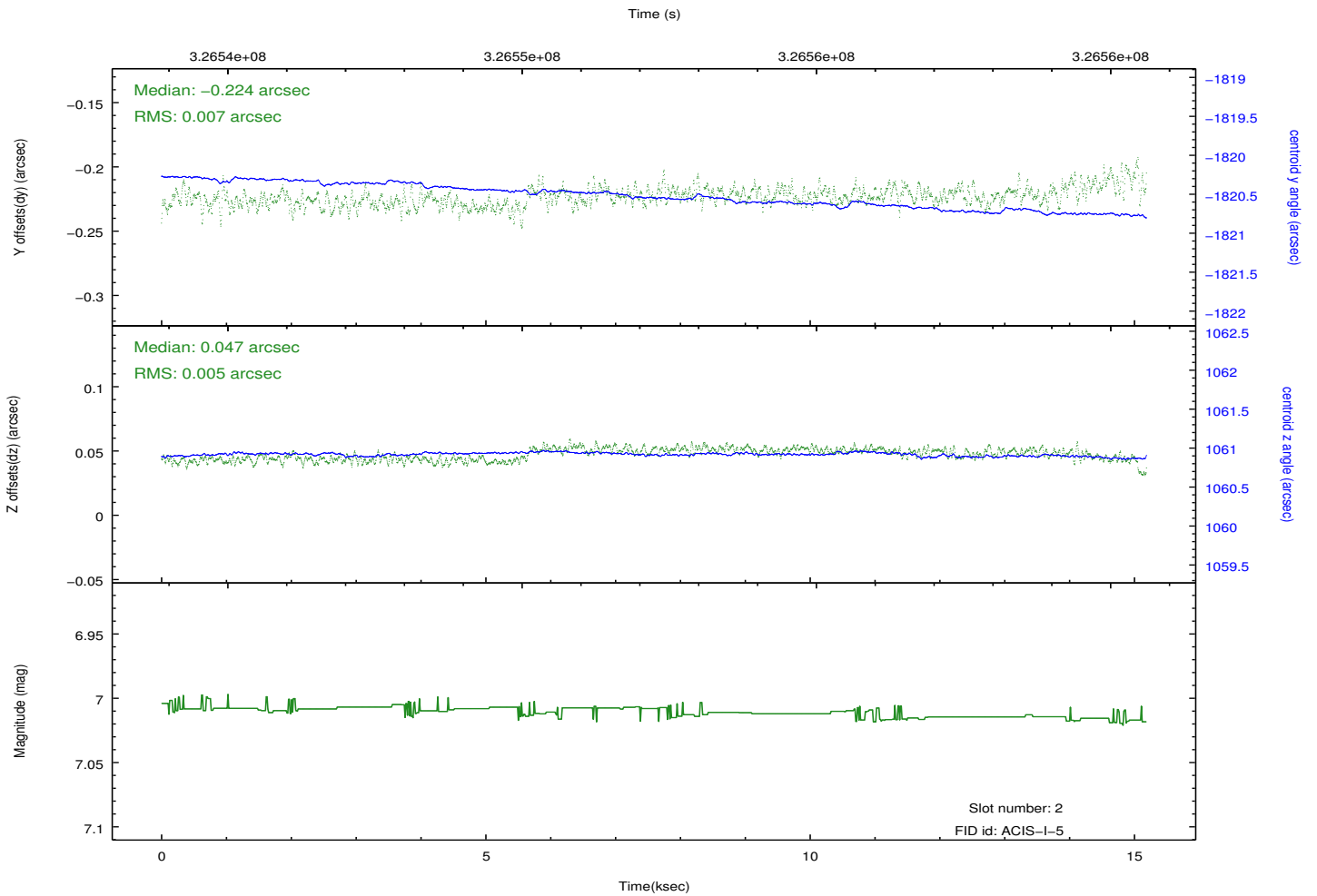
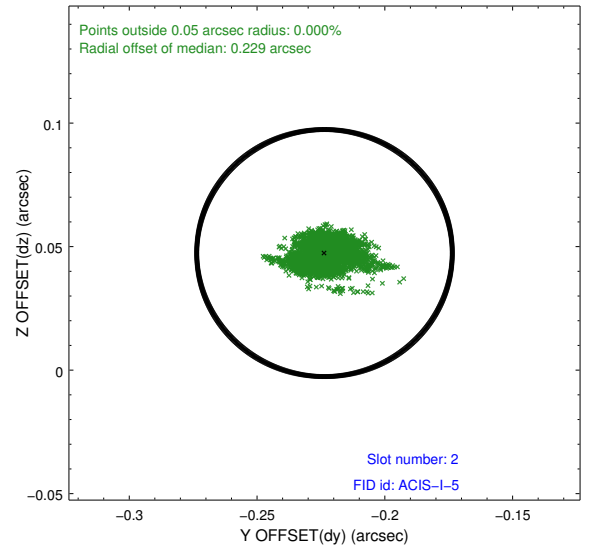
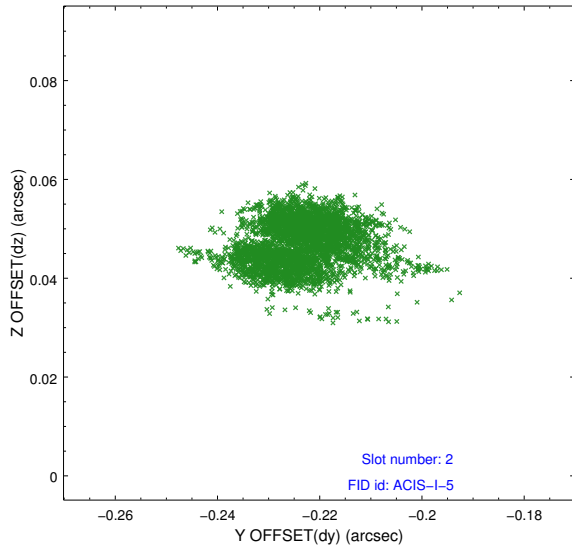
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.7901001

A.2 Comments

Joint proposal with NOAO.