

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13322 - L2 Version 1
Chandra X-Ray Center

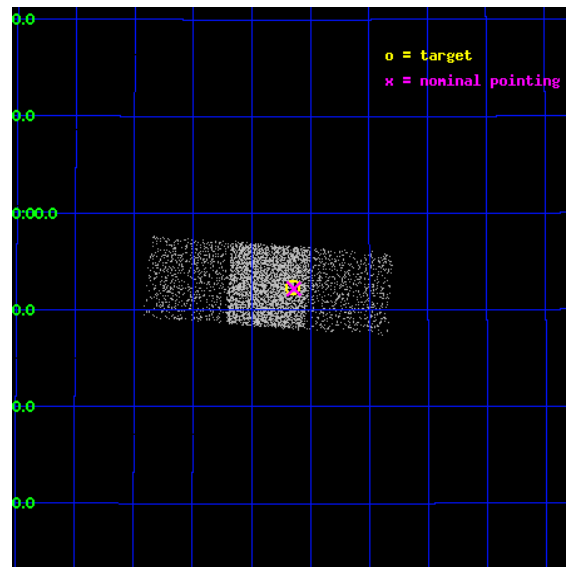
L2 Processing Date : Mar 18 2012

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

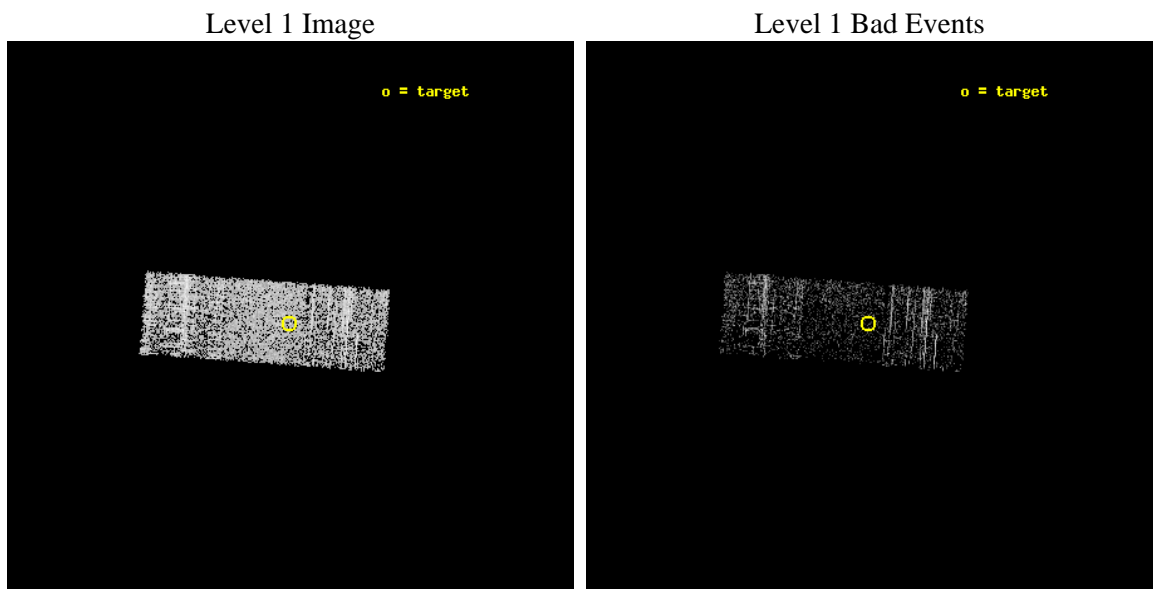
seq_num	702529	Sequence number
obs_id	13322	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1143+3452	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.787083	Observer's specified target RA [deg]
dec_targ	34.872833	Observer's specified target Dec [deg]
ra_nom	175.78507828331	Nominal RA [deg]
dec_nom	34.869882915997	Nominal Dec [deg]
roll_nom	184.30581696208	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1581.0000121593	Sum of GTIs [s]
livetime	1560.3430830852	Livetime [s]
ontime6	1581.0000121593	Sum of GTIs [s]
ontime7	1581.0000121593	Sum of GTIs [s]
ontime8	1581.0000121593	Sum of GTIs [s]
l2events	5813	Number of level 2 events



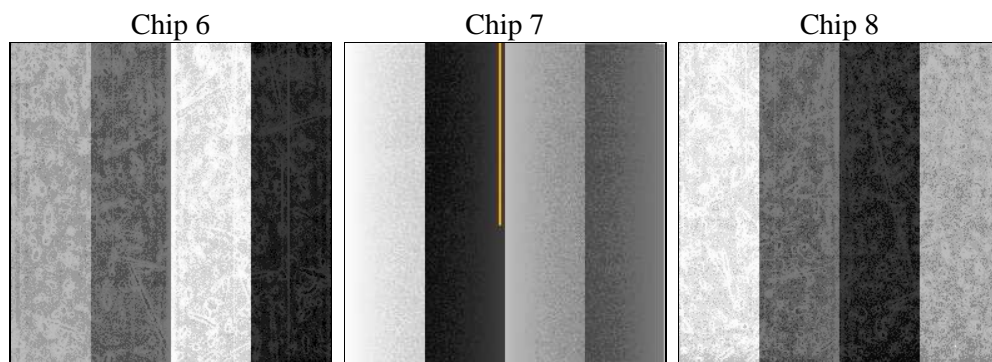
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1581.0000121593	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1581.0000121593	Sum of GTIs [s]
date	2012-03-18T17:31:21	Date and time of file creation	ontime7	1581.0000121593	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1581.0000121593	Sum of GTIs [s]
			l1events	27694	Number of level 1 events

2.1.4 Events

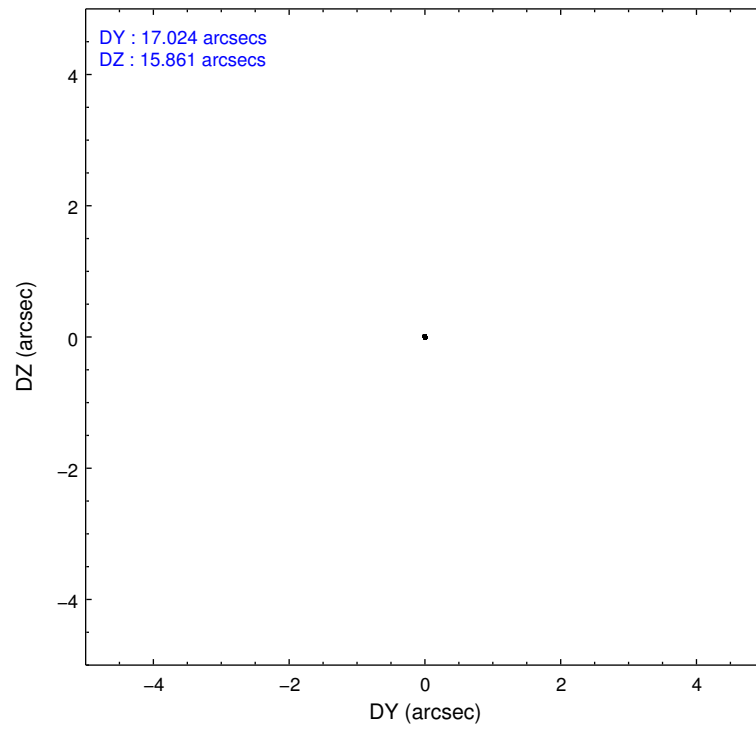
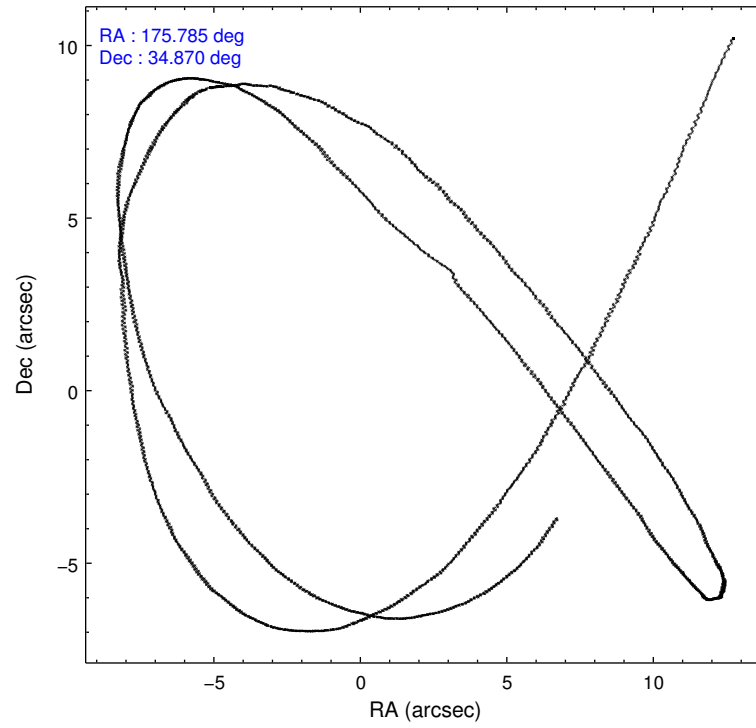
	ccd 6	ccd 7	ccd 8
level 1 events	8619	8712	10363
rejected events	7675	4384	7541
rejected %	89%	50%	72%

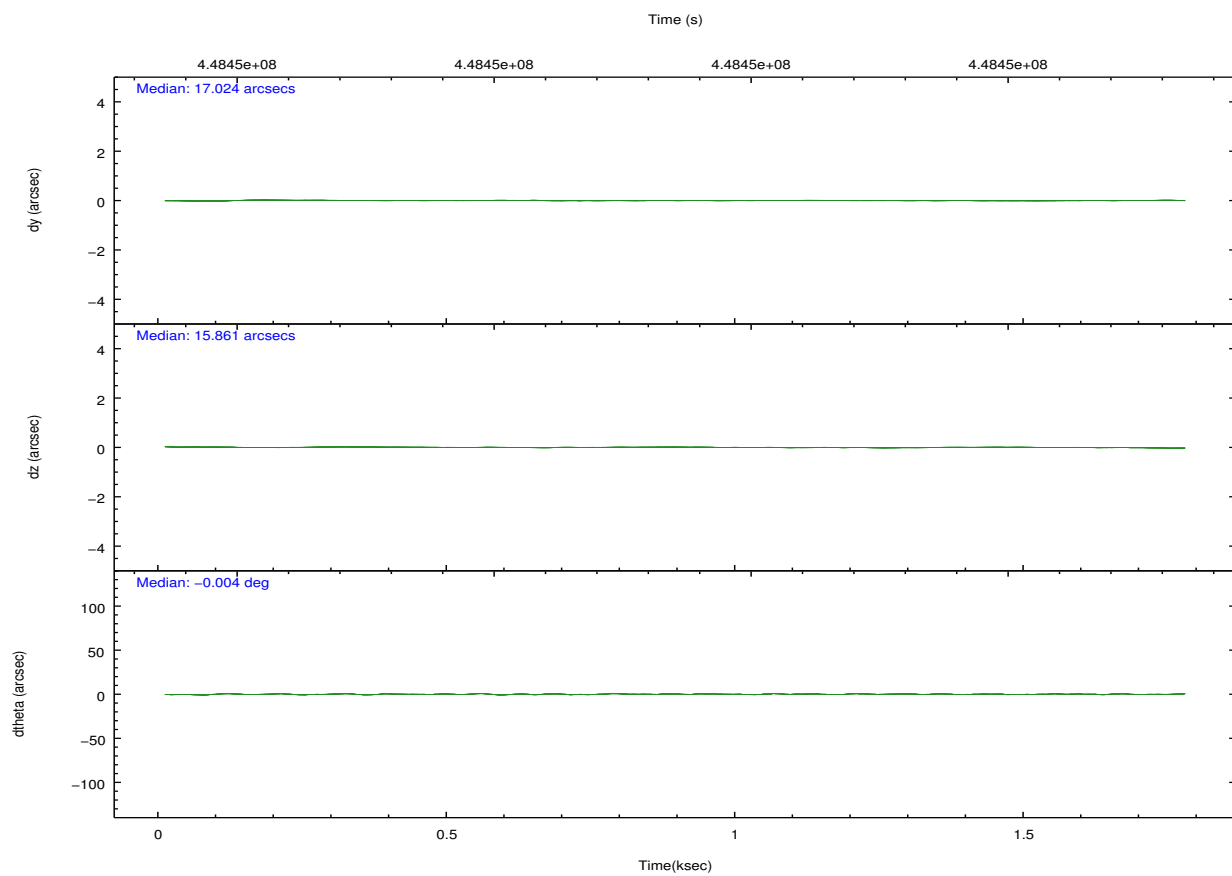
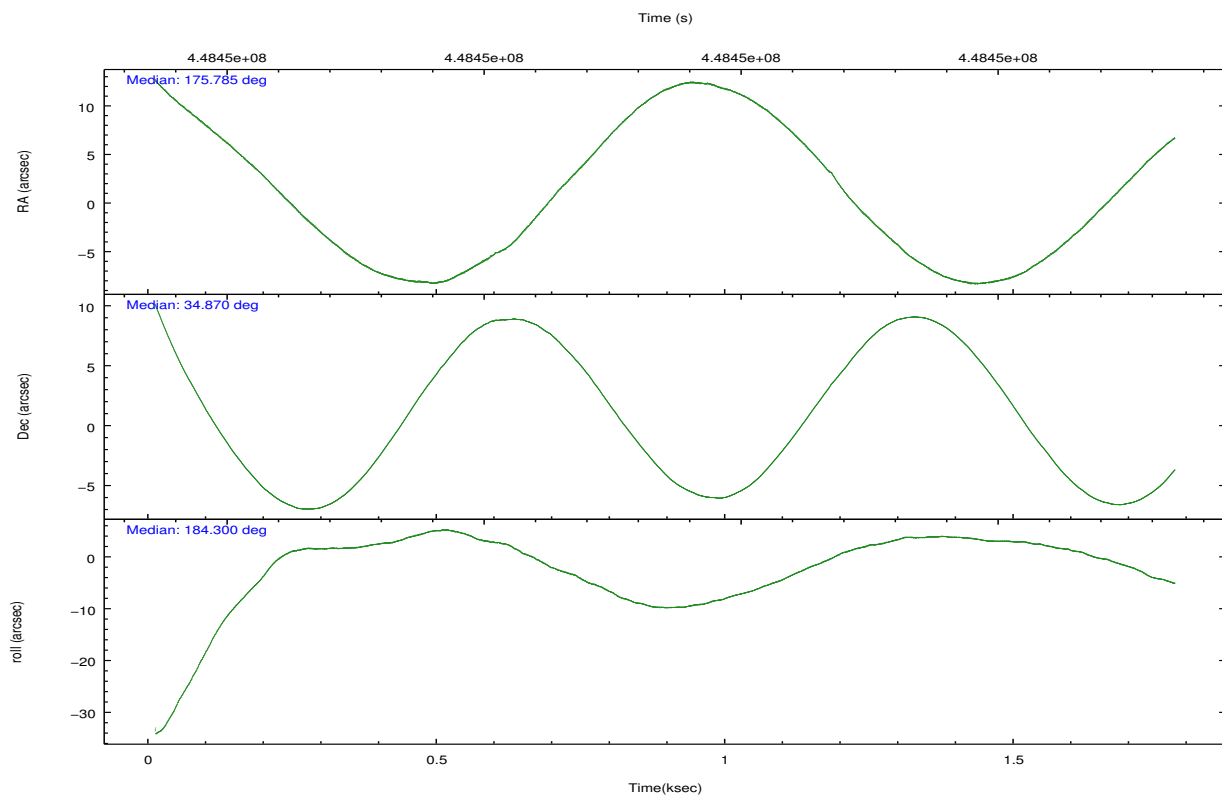
	ccd 6	ccd 7	ccd 8
grade 0 events	341	441	764
	3%	5%	7%
grade 1 events	3	18	8
	0%	0%	0%
grade 2 events	227	911	698
	2%	10%	6%
grade 3 events	99	407	327
	1%	4%	3%
grade 4 events	92	380	315
	1%	4%	3%
grade 5 events	358	889	519
	4%	10%	5%
grade 6 events	185	2200	719
	2%	25%	6%
grade 7 events	7314	3466	7013
	84%	39%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	175.812615	175.785078283306	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.885874	34.86988291599738	Alternating exposures requested	N	N
[deg] Pointing Roll	184.133478	184.3058169620804	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	448447737.184000	448446819.23707			
Observation start date	2012-03-18T08:47:51	2012-03-18T08:33:39			
[s] Observation end time (MET)	448449237.184000	448449525.74971			
Observation end date	2012-03-18T09:12:51	2012-03-18T09:18:45			
Read mode	TIMED	TIMED			

2.3 Aspect



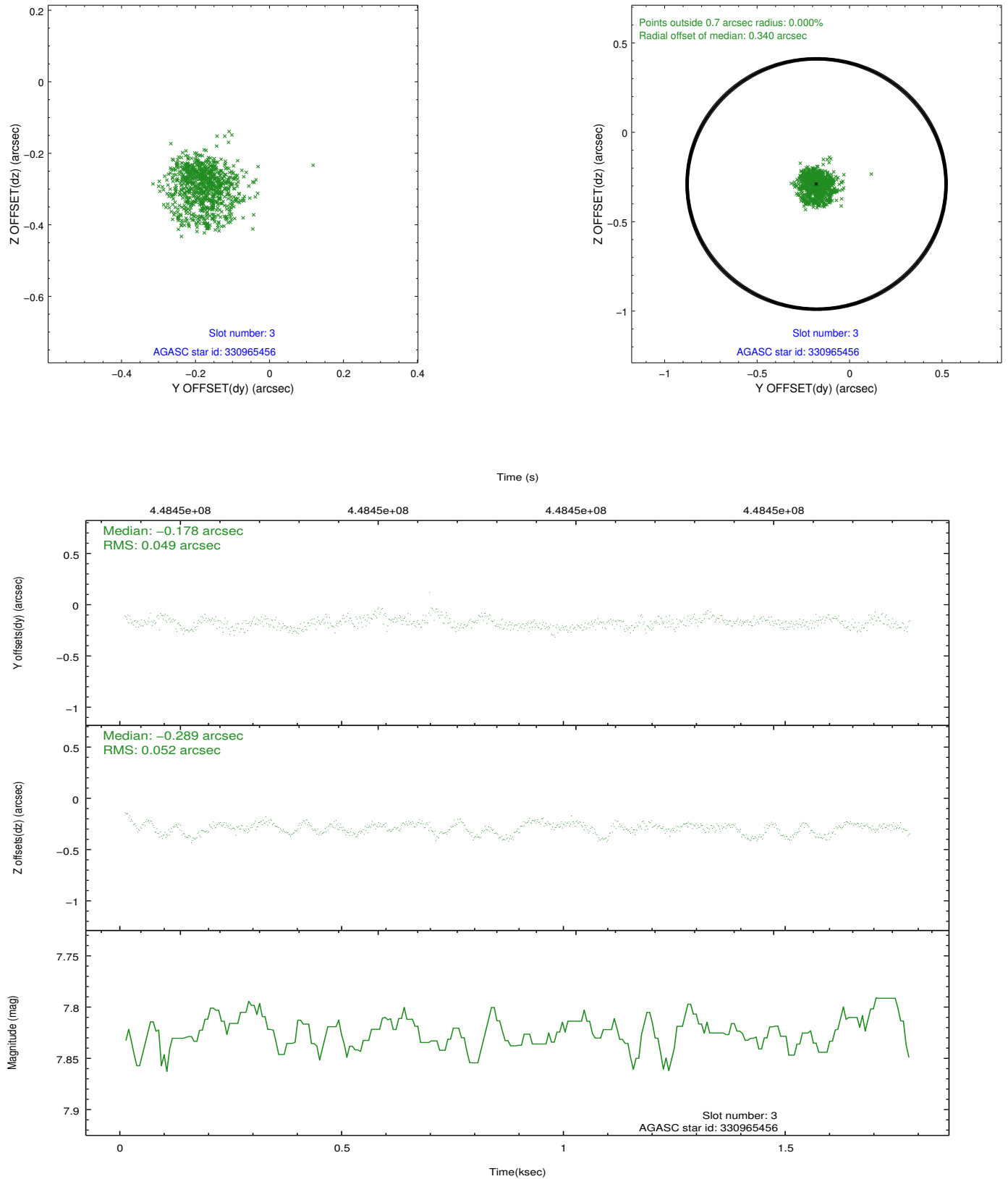


Slot Statistics

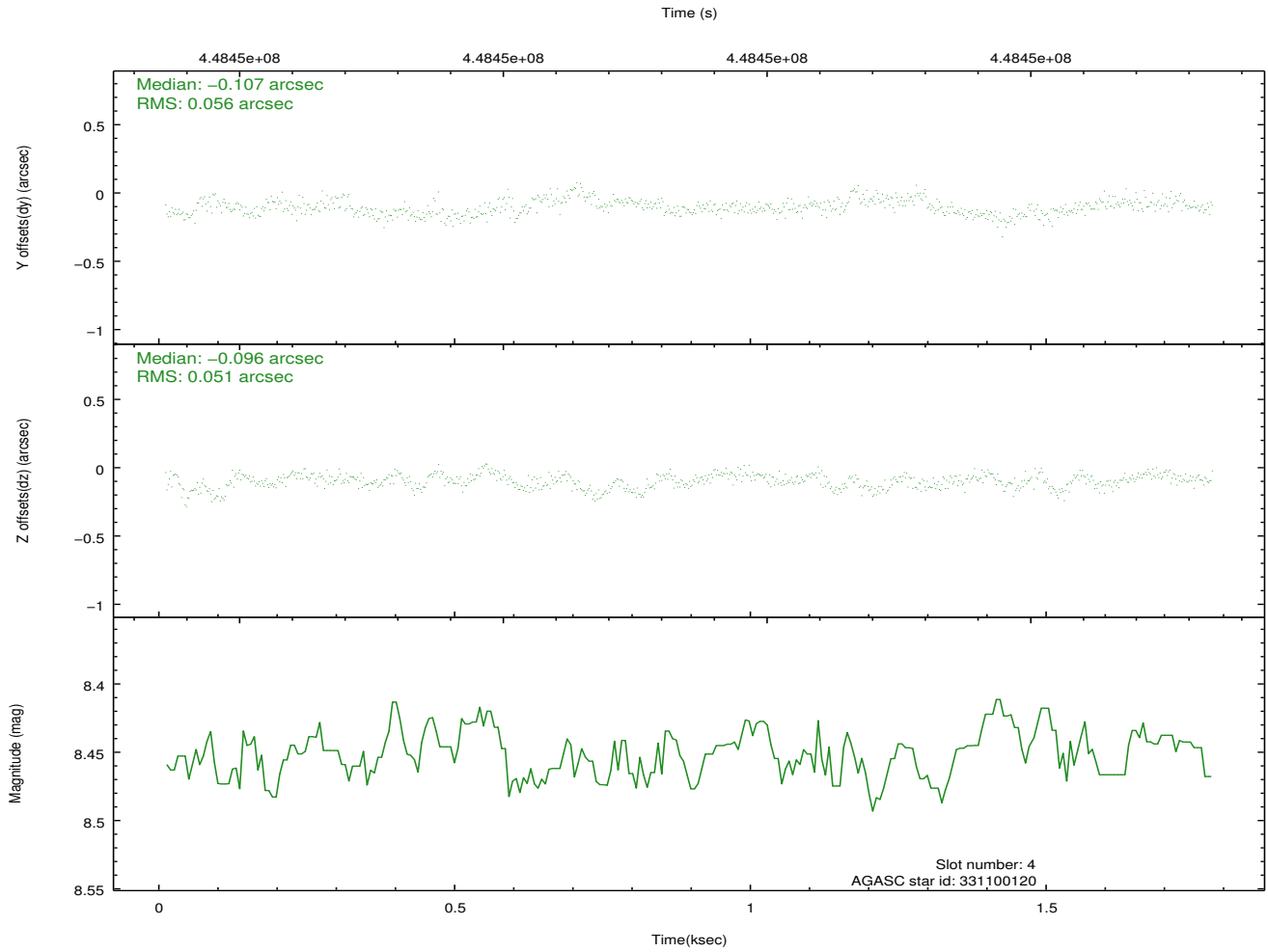
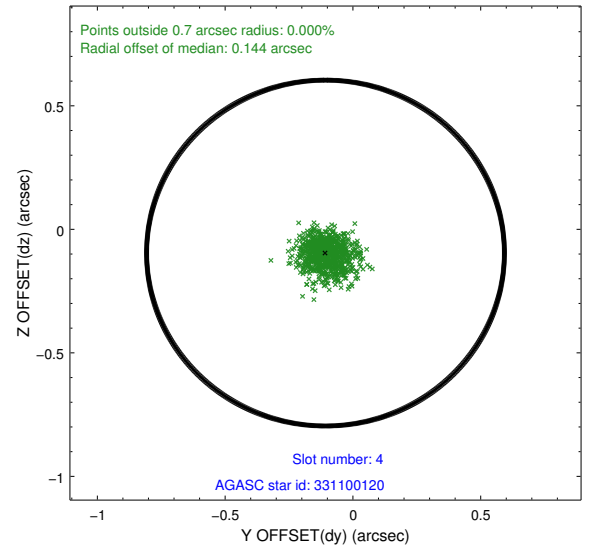
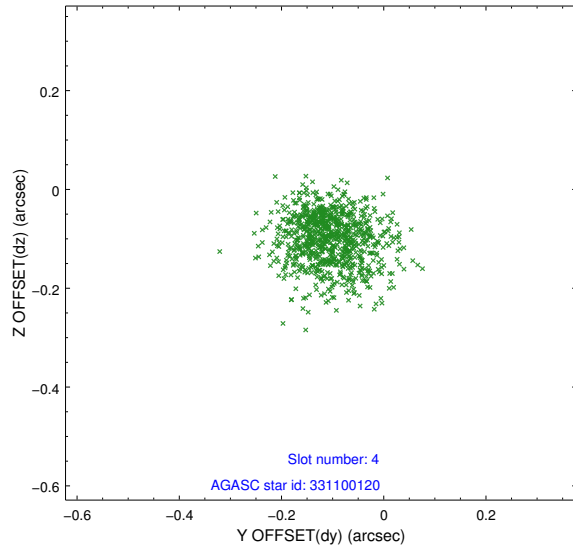
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	432	-0.112	0.007	0.006	0.010	0.000000	0.000000	-770.15	-1737.26
1	FID	ACIS-S-4	6.98	431	0.229	0.052	0.006	0.012	0.000000	0.000000	2141.74	167.41
2	FID	ACIS-S-5	7.01	432	-0.147	-0.051	0.006	0.010	0.000000	0.000000	-1818.28	165.20
3	GUIDE	330965456	7.83	864	-0.178	-0.289	0.076	0.121	175.486927	34.308115	1114.98	2002.11
4	GUIDE	331100120	8.45	863	-0.107	-0.096	0.080	0.133	175.700760	34.353099	470.05	1890.40
5	GUIDE	331100976	9.32	864	0.114	0.209	0.119	0.188	176.348798	35.146913	-1642.09	-825.71
6	GUIDE	331103784	9.47	860	0.097	0.304	0.132	0.204	175.553464	34.491687	866.46	1357.66
7	GUIDE	331104904	9.14	863	0.077	-0.123	0.128	0.193	176.181346	34.241407	-926.81	2391.97

2.4 Star Slots

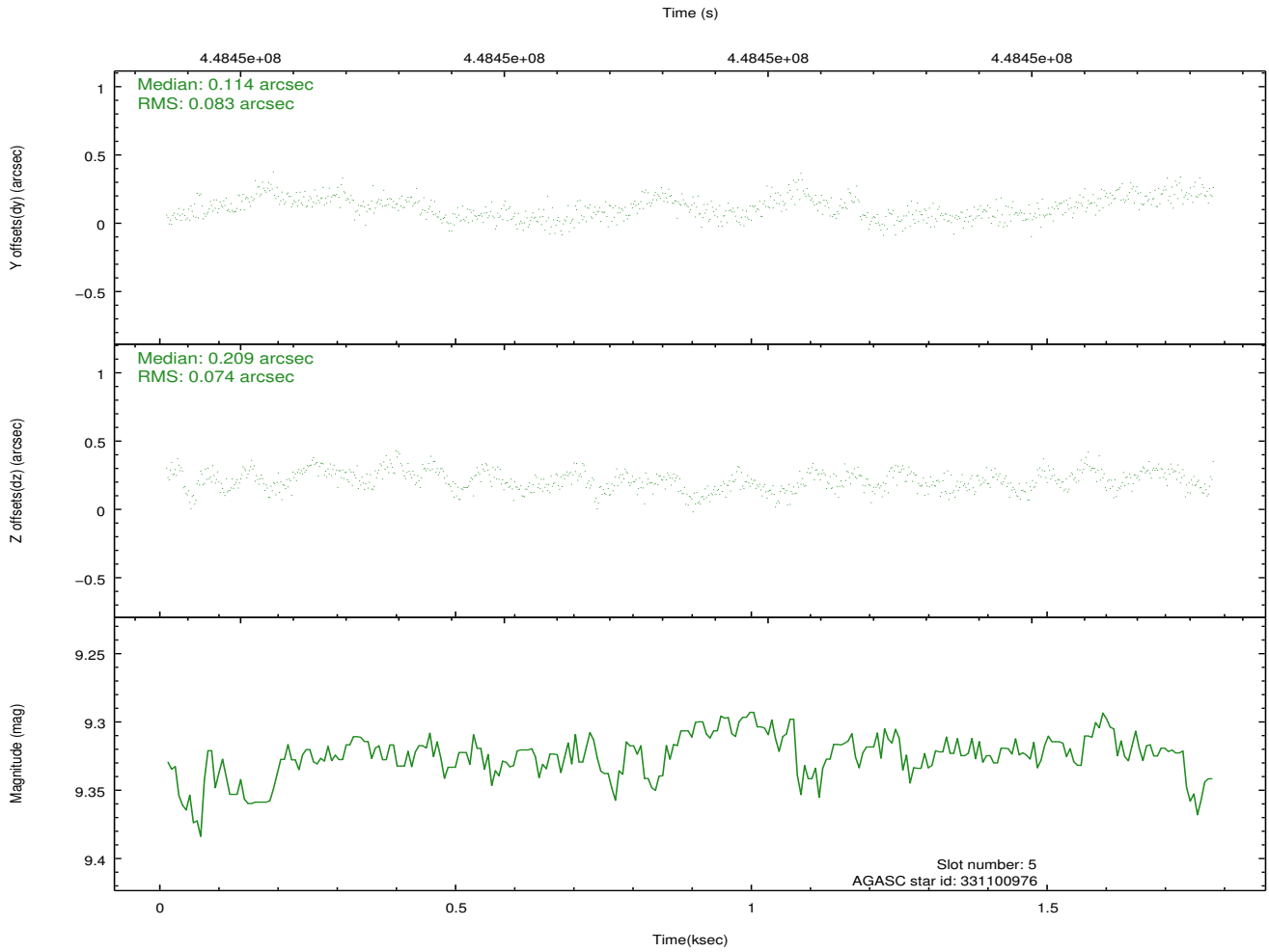
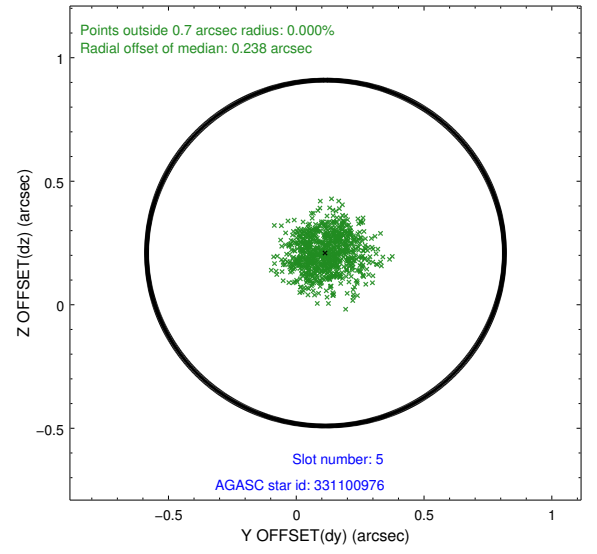
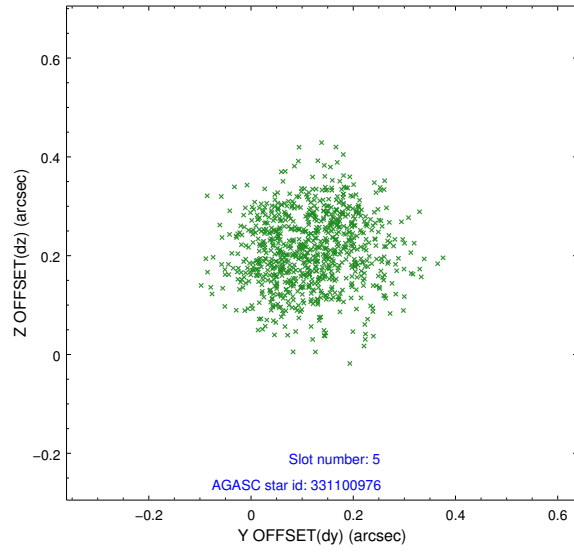
2.4.1 Slot 3



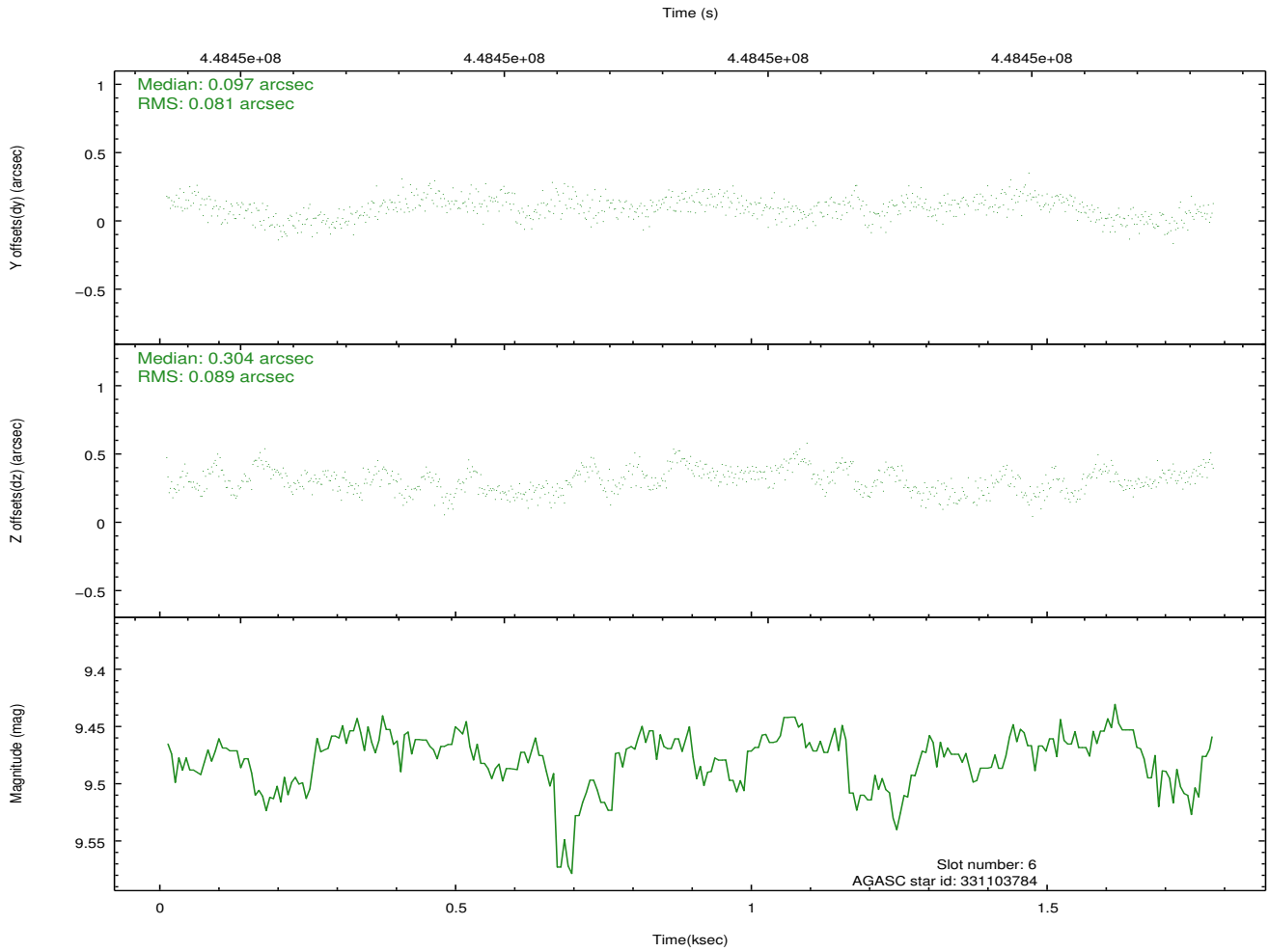
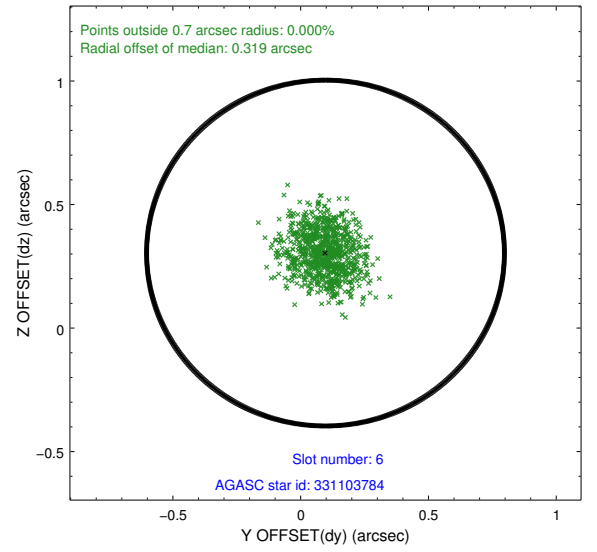
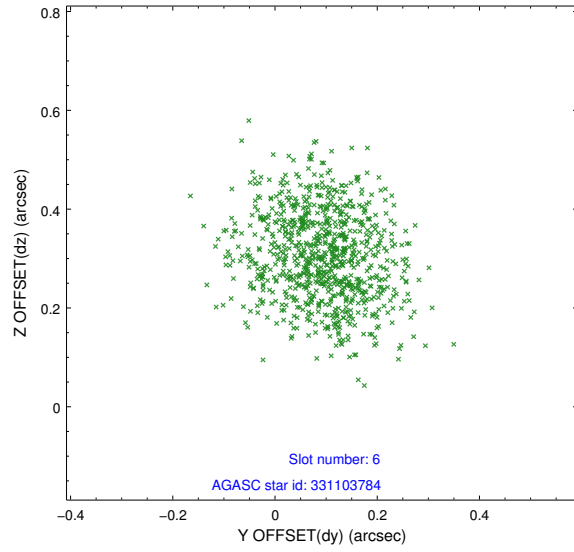
2.4.2 Slot 4



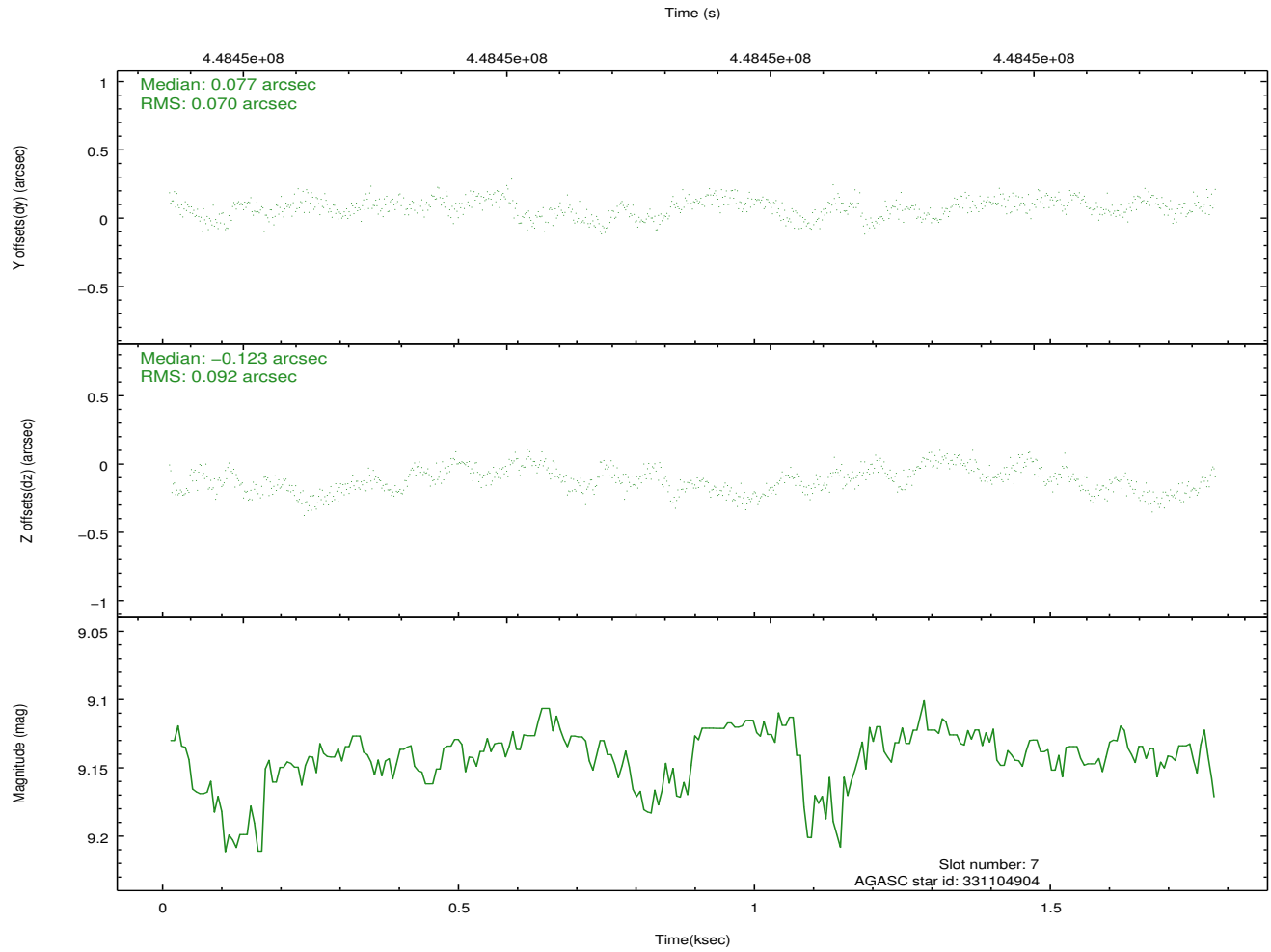
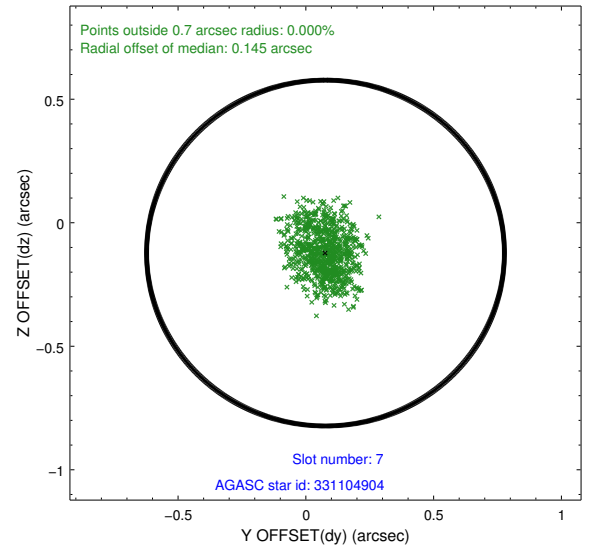
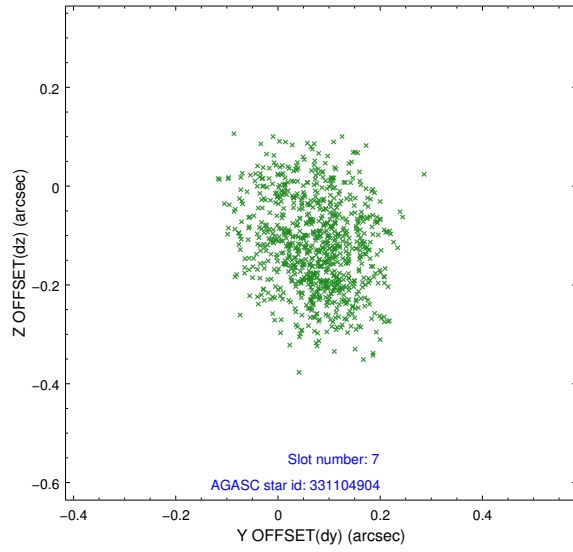
2.4.3 Slot 5



2.4.4 Slot 6

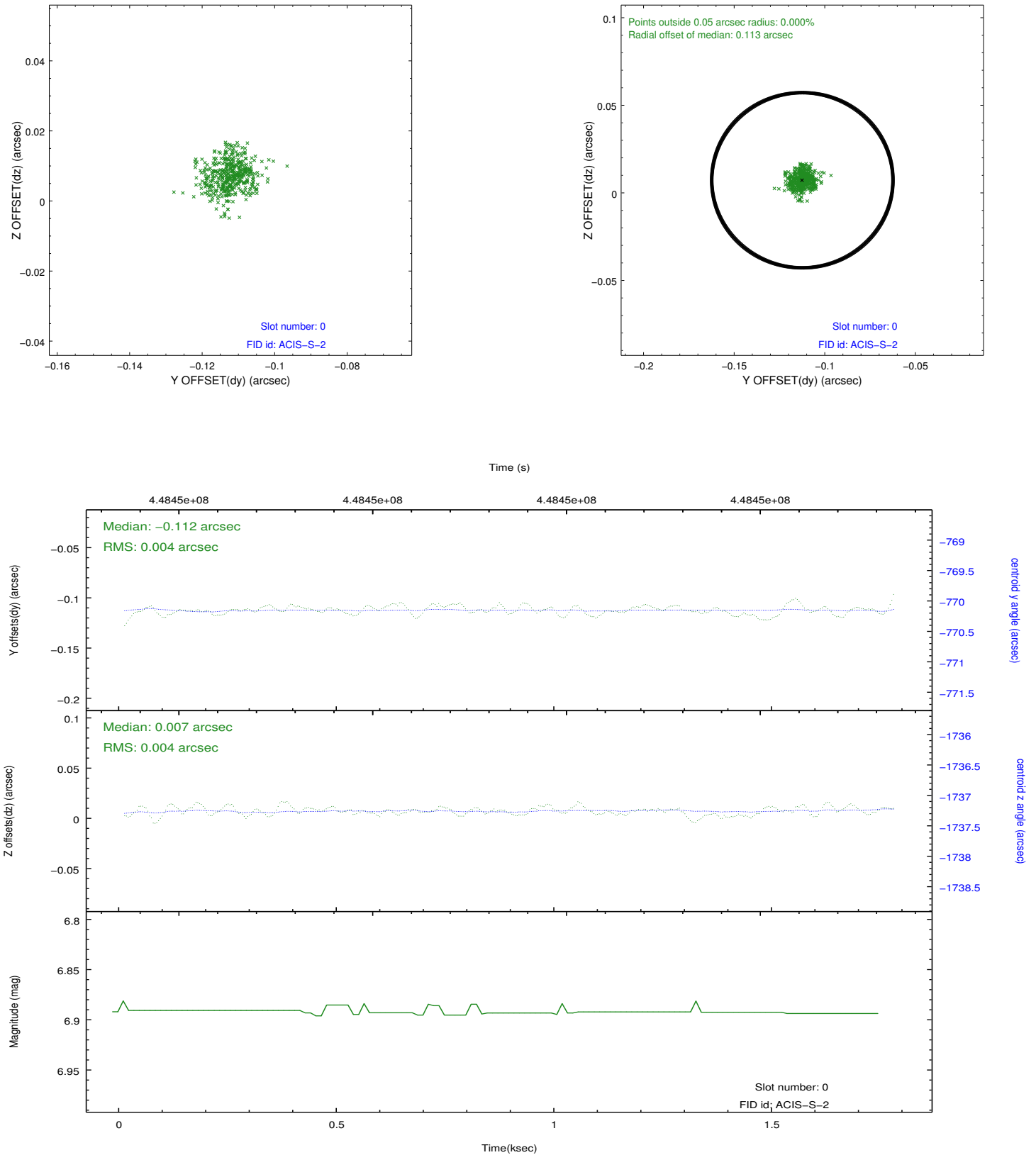


2.4.5 Slot 7

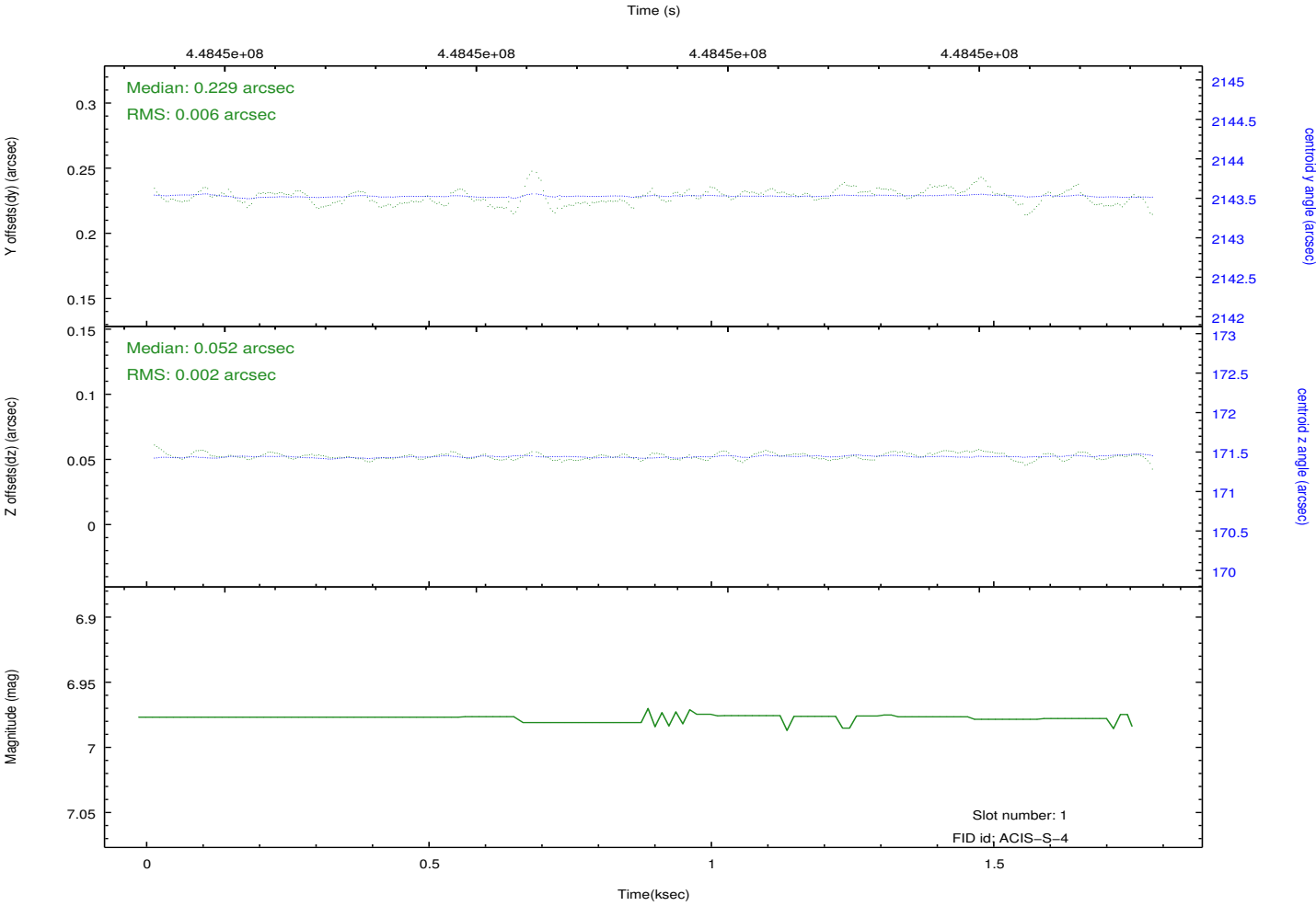
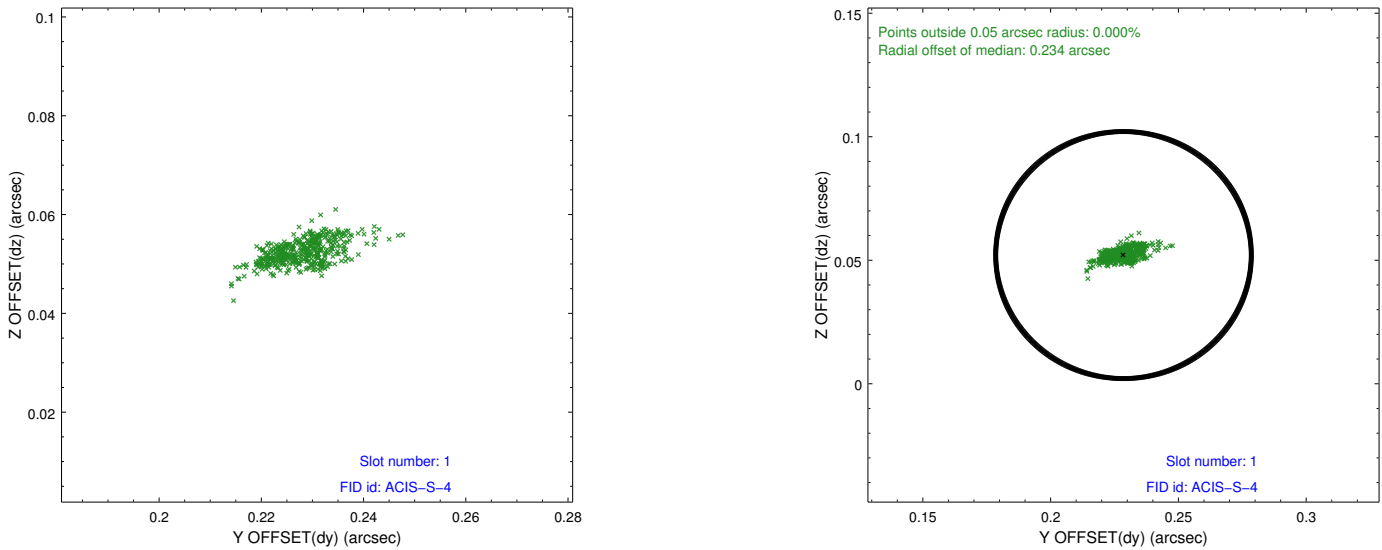


2.5 FID Slots

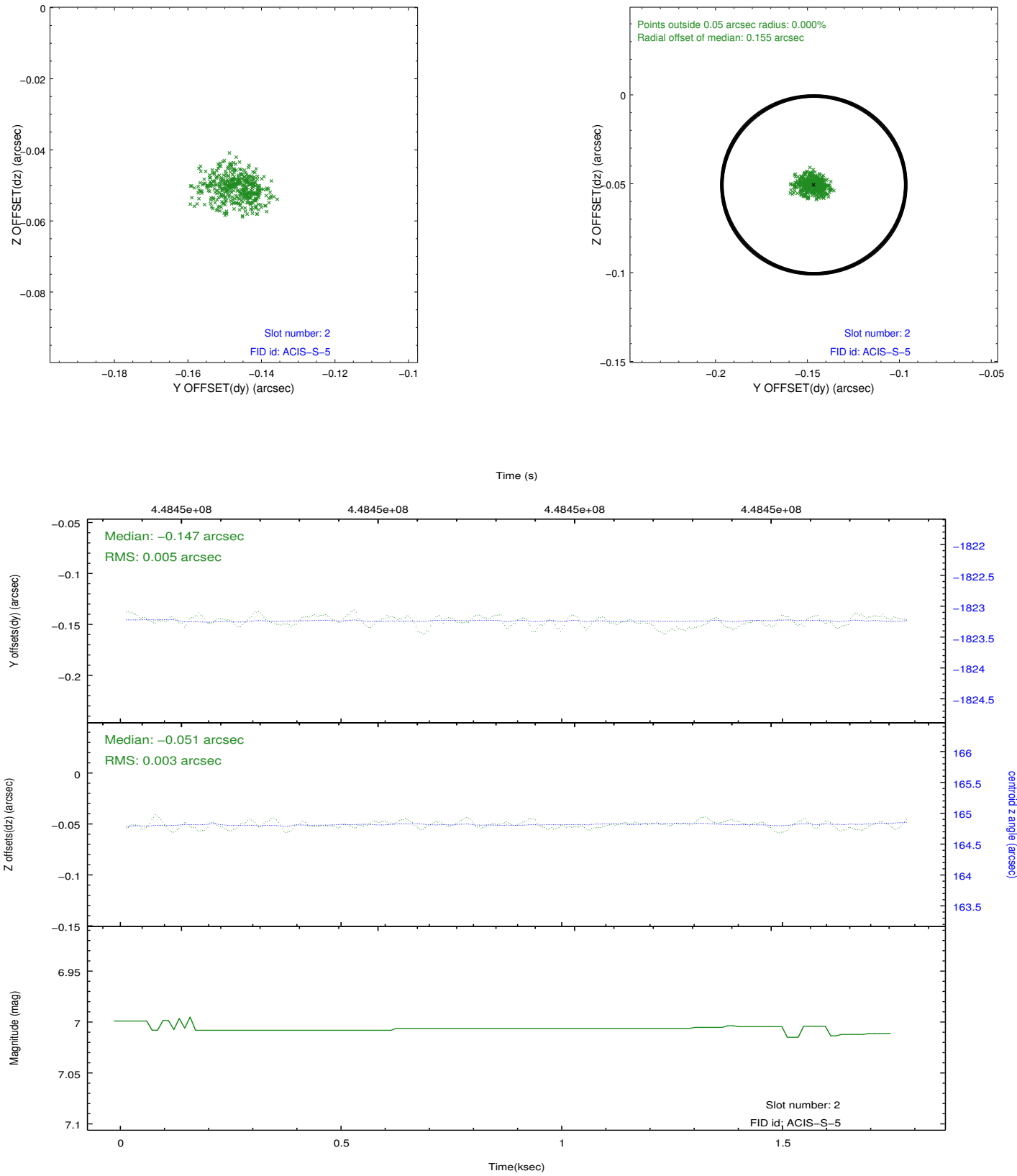
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5810000121593

A.2 Comments