

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9324 - L2 Version 2
Chandra X-Ray Center

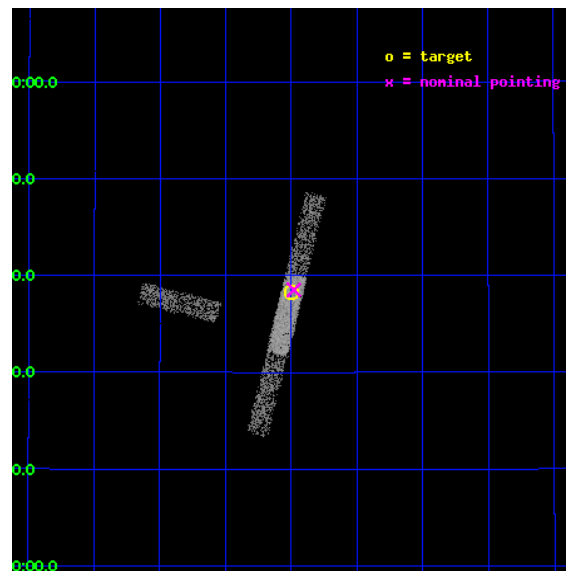
L2 Processing Date : May 16 2012

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

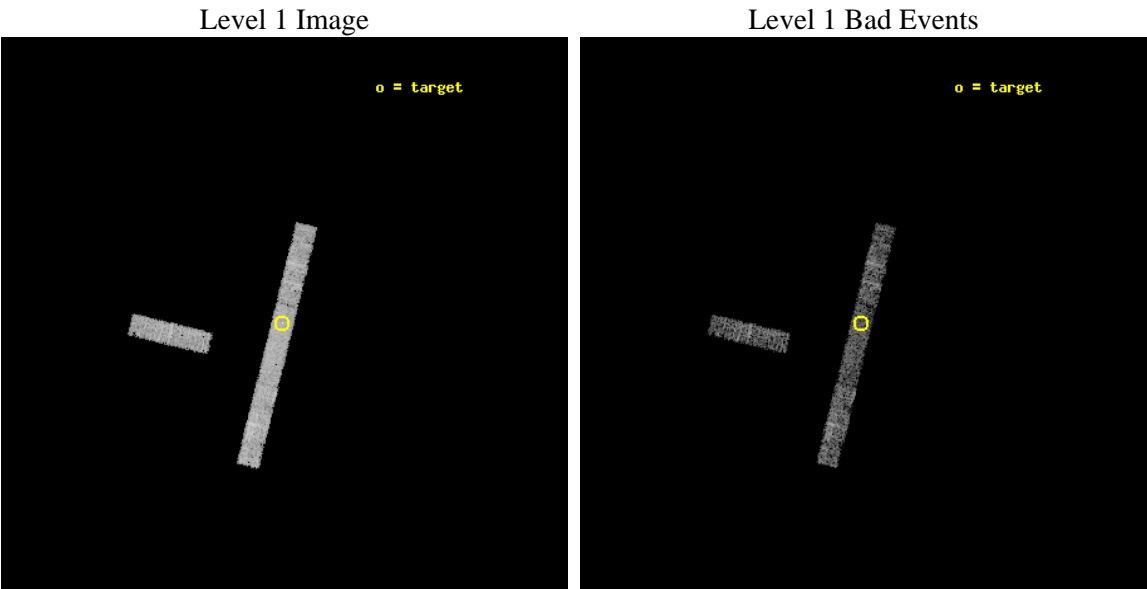
seq_num	701764	Sequence number
obs_id	9324	Observation id
title	Orientation effects in the X-ray and multi-wavelength properties of high-z, 3CRR quasars.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	3CRR 43	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	22.49875	Observer's specified target RA [deg]
dec_targ	23.638639	Observer's specified target Dec [deg]
ra_nom	22.49502346115	Nominal RA [deg]
dec_nom	23.642111346788	Nominal Dec [deg]
roll_nom	103.92049808455	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3167.0	Sum of GTIs [s]
livetime	3042.1501575348	Livetime [s]
ontime3	3167.0	Sum of GTIs [s]
ontime6	3167.0	Sum of GTIs [s]
ontime7	3167.0	Sum of GTIs [s]
ontime8	3167.0	Sum of GTIs [s]
l2events	7646	Number of level 2 events



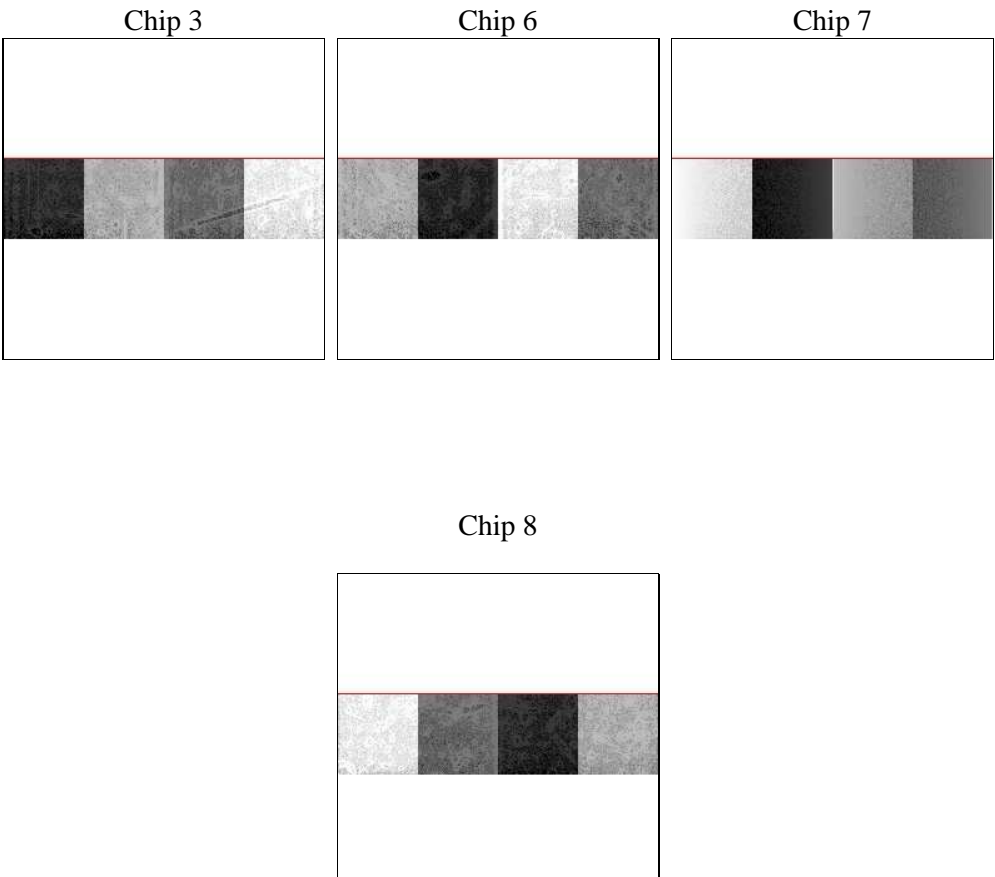
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3167.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	3167.0	Sum of GTIs [s]
date	2012-05-16T14:28:36	Date and time of file creation	ontime6	3167.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	3167.0	Sum of GTIs [s]
			ontime8	3167.0	Sum of GTIs [s]
			l1events	54882	Number of level 1 events

2.1.4 Events

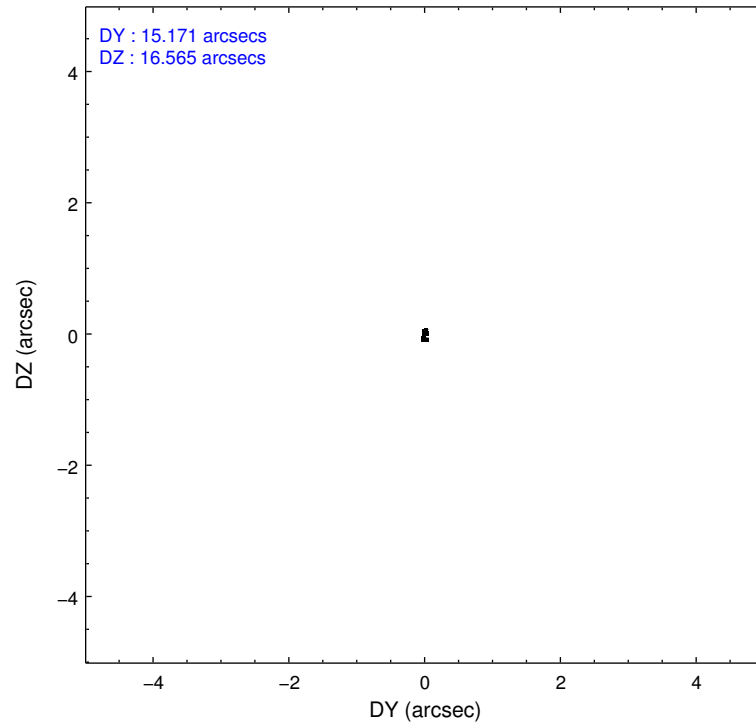
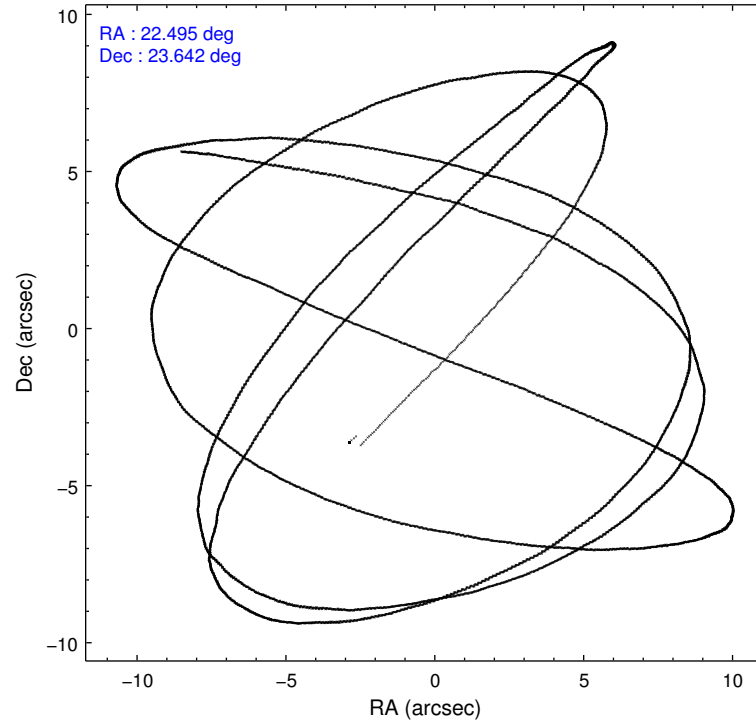
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	11919	11638	15222	16103
rejected events	10867	10540	10283	13292
rejected %	91%	90%	67%	82%

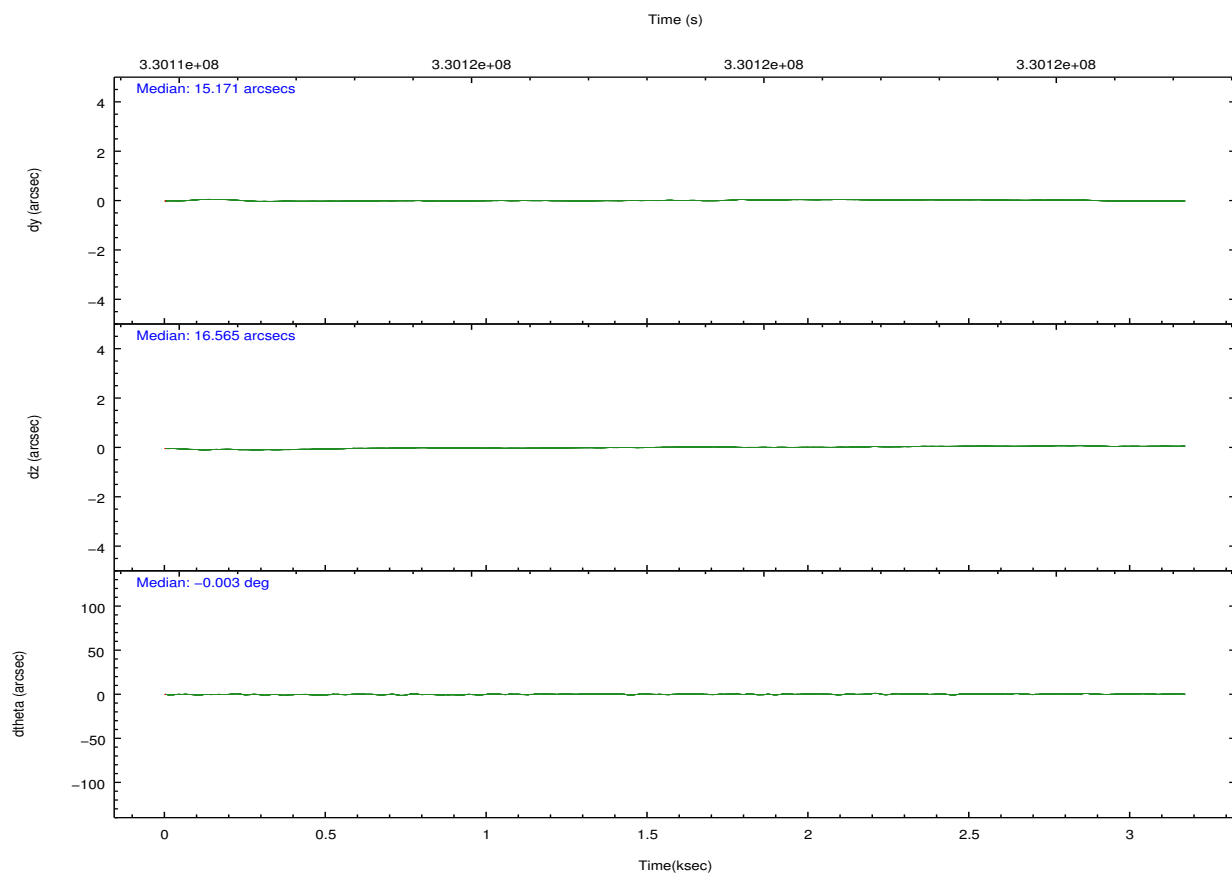
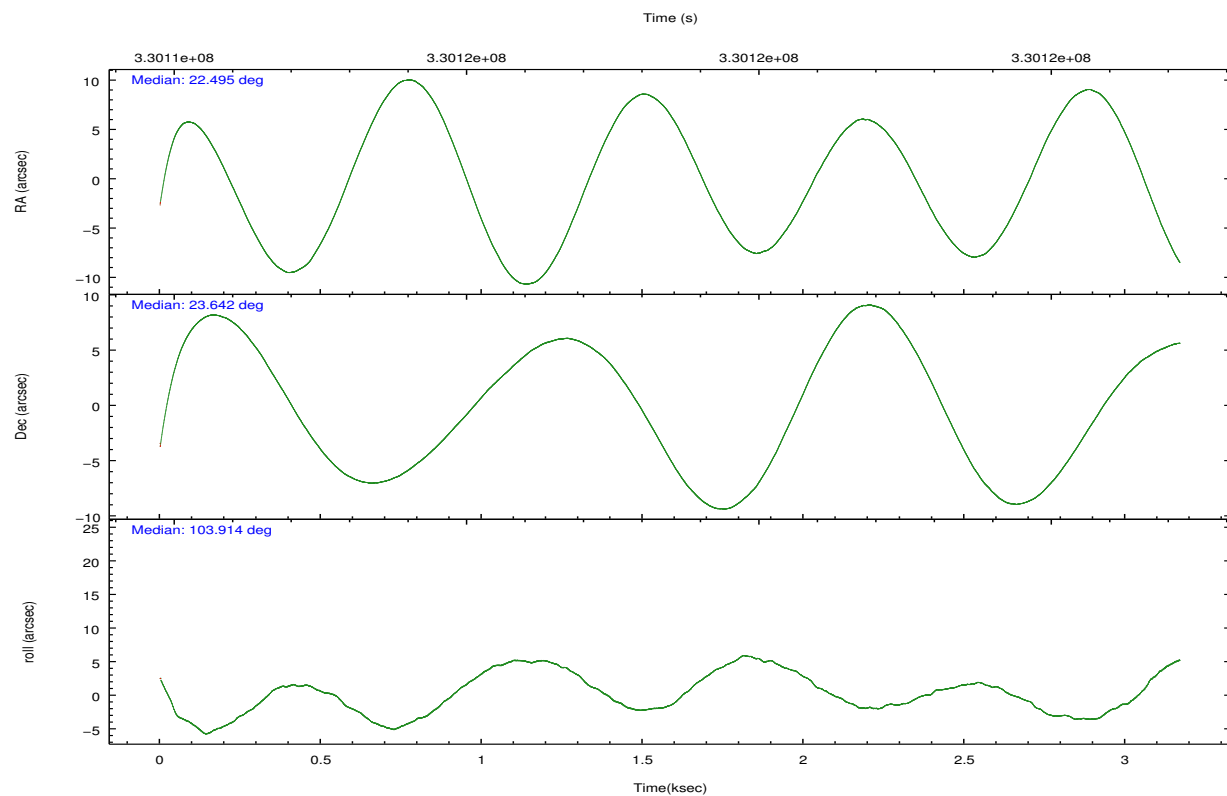
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	617	564	671	1007
	5%	4%	4%	6%
grade 1 events	3	1	20	13
	0%	0%	0%	0%
grade 2 events	219	256	1351	786
	1%	2%	8%	4%
grade 3 events	191	202	689	399
	1%	1%	4%	2%
grade 4 events	171	178	642	382
	1%	1%	4%	2%
grade 5 events	490	496	1488	669
	4%	4%	9%	4%
grade 6 events	225	260	3319	977
	1%	2%	21%	6%
grade 7 events	10003	9681	7042	11870
	83%	83%	46%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	22.515960	22.4950234611502	CCD I2 on	N	N
[deg] Pointing Dec	23.622593	23.64211134678788	CCD I3 on	O1	Y
[deg] Pointing Roll	103.755487	103.9204980845507	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O2	Y
[s] Observation start time (MET)	330114284.184000	330113012.74962	CCD S5 on	N	N
Observation start date	2008-06-17T18:23:39	2008-06-17T18:03:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	330117284.184000	330117817.43735	On-chip summing requested	N	N
Observation end date	2008-06-17T19:13:39	2008-06-17T19:23:37	Subarray requested	CUSTOM	1/4
Read mode	TIMED	TIMED	Subarray start row	385	385
			Subarray row count	256	256
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1

2.3 Aspect



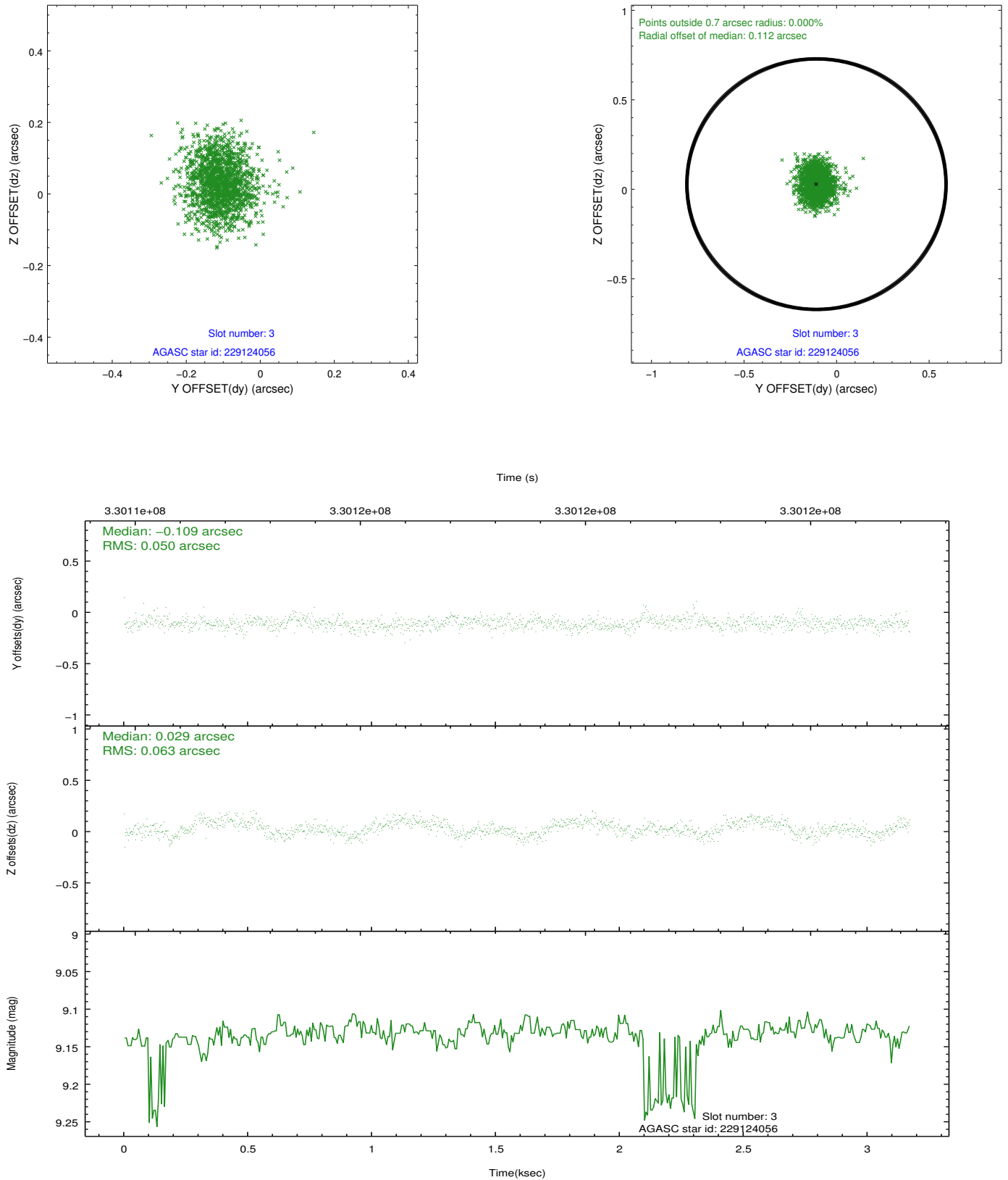


Slot Statistics

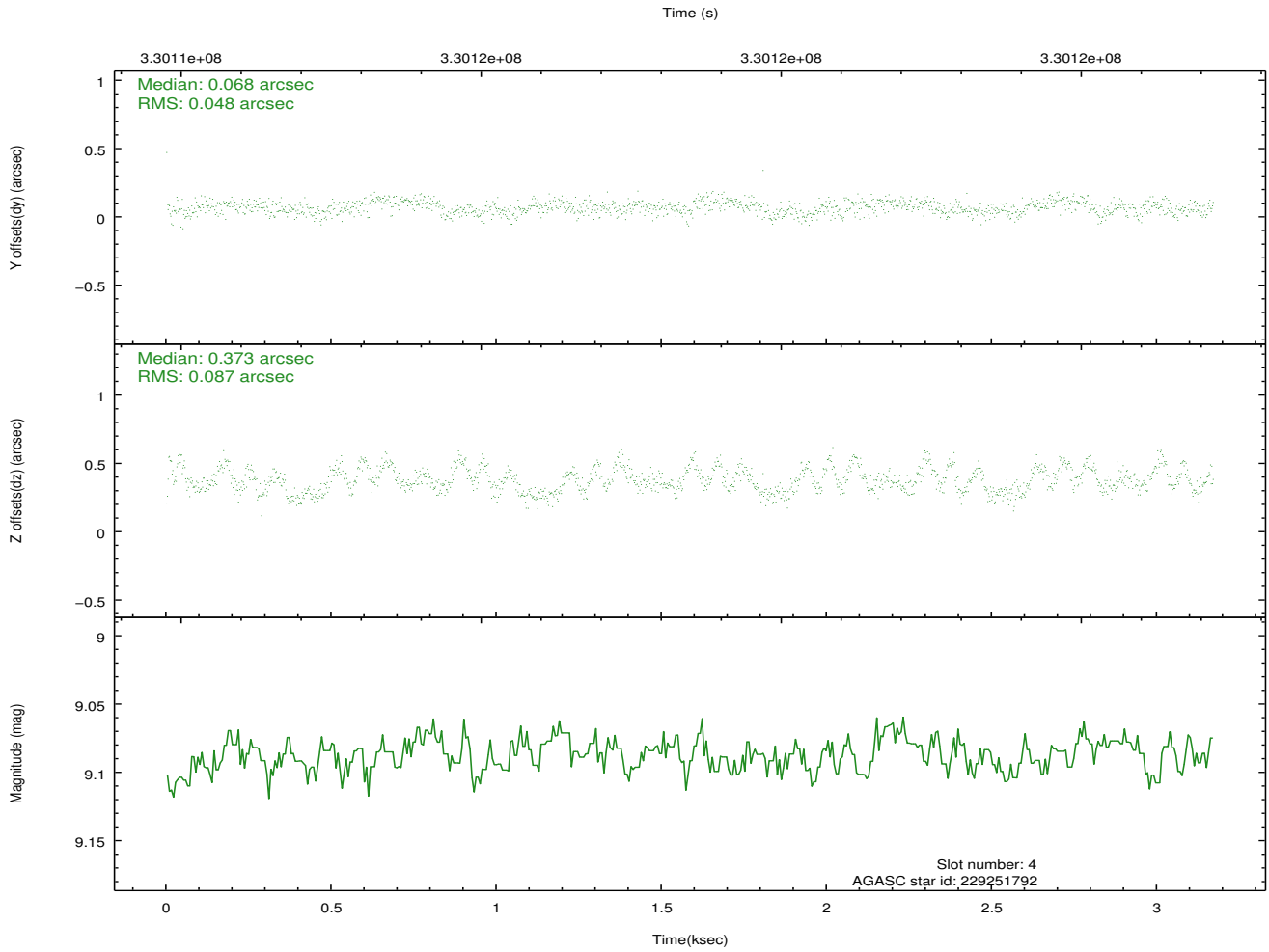
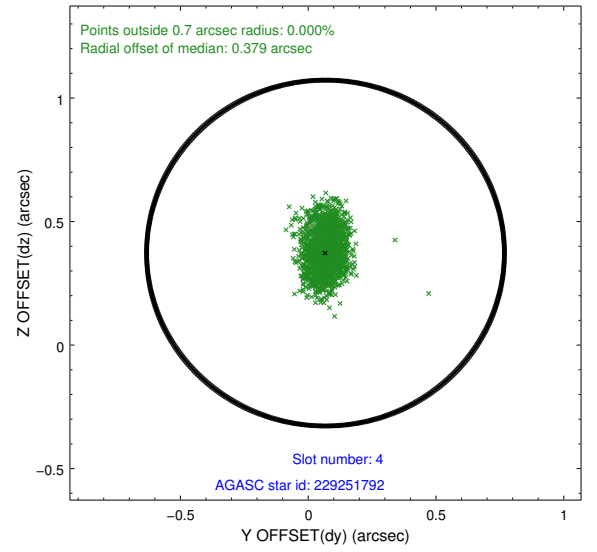
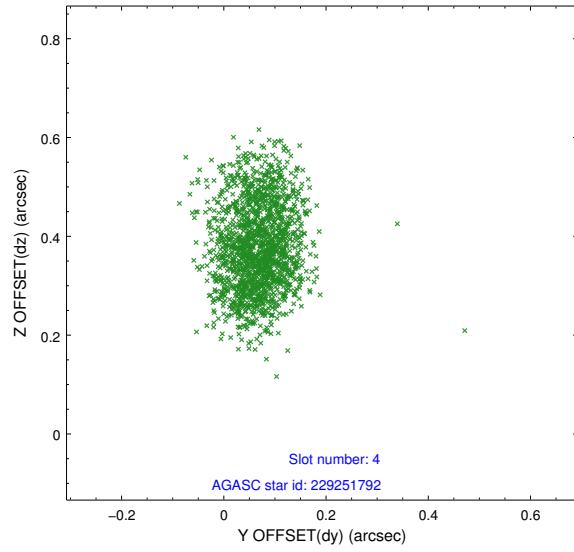
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	774	-0.061	0.002	0.007	0.011	0.000000	0.000000	-768.23	-1737.97
1	FID	ACIS-S-4	6.95	774	0.116	0.029	0.004	0.009	0.000000	0.000000	2144.32	168.42
2	FID	ACIS-S-5	6.98	774	-0.087	-0.023	0.006	0.010	0.000000	0.000000	-1818.51	164.37
3	GUIDE	229124056	9.13	1538	-0.109	0.029	0.086	0.142	22.227570	24.203878	2258.61	422.69
4	GUIDE	229251792	9.09	1545	0.068	0.373	0.104	0.175	23.240000	23.695675	-305.22	-2379.31
5	GUIDE	229254920	8.75	1546	-0.198	0.160	0.064	0.102	22.427805	24.228365	2186.64	-238.34
6	GUIDE	229258000	7.73	1547	-0.046	-0.222	0.065	0.105	22.452721	23.690439	287.94	144.96
7	GUIDE	229120424	9.50	1546	0.278	-0.343	0.100	0.164	21.865025	23.244559	-805.41	2412.57

2.4 Star Slots

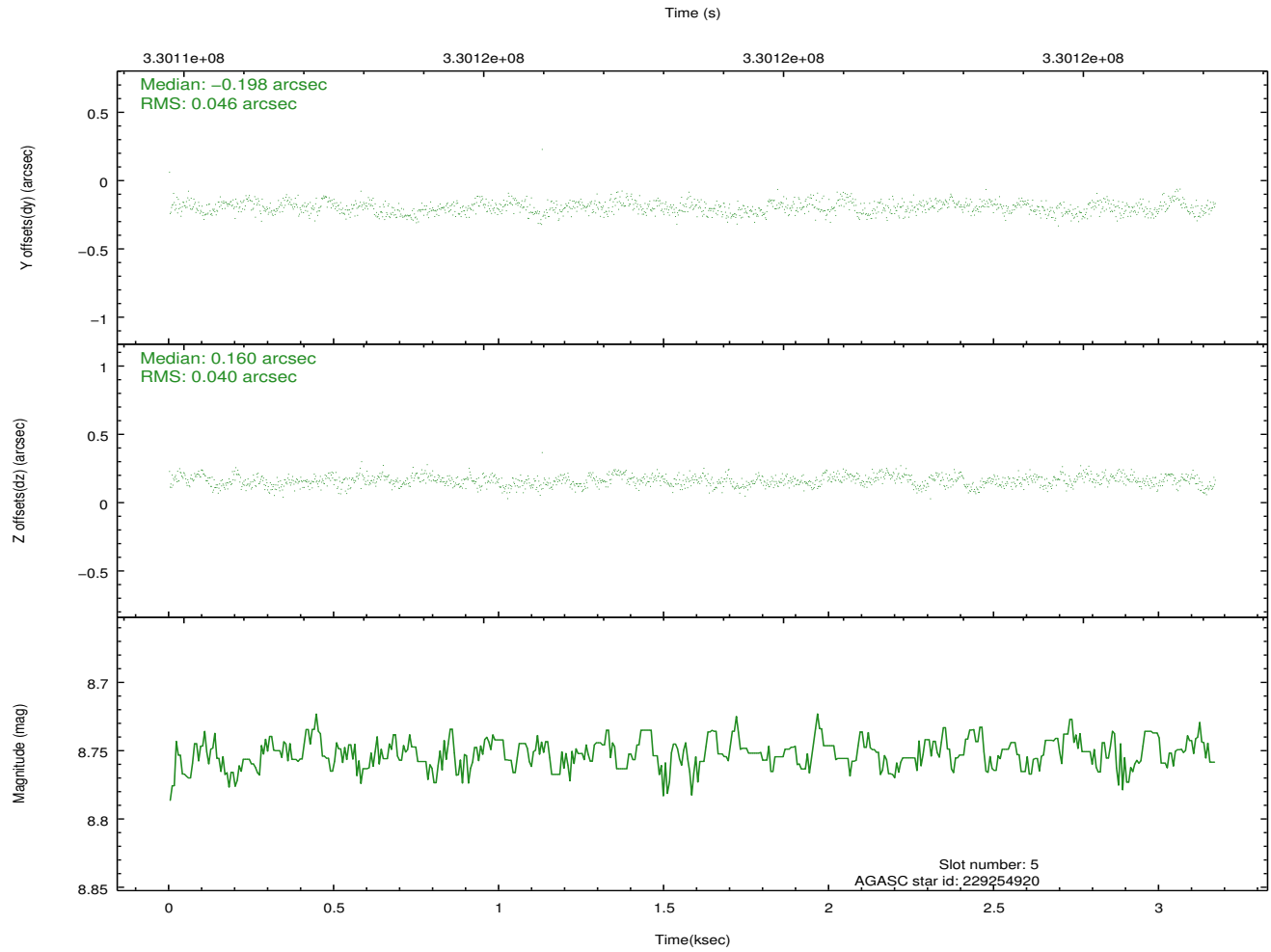
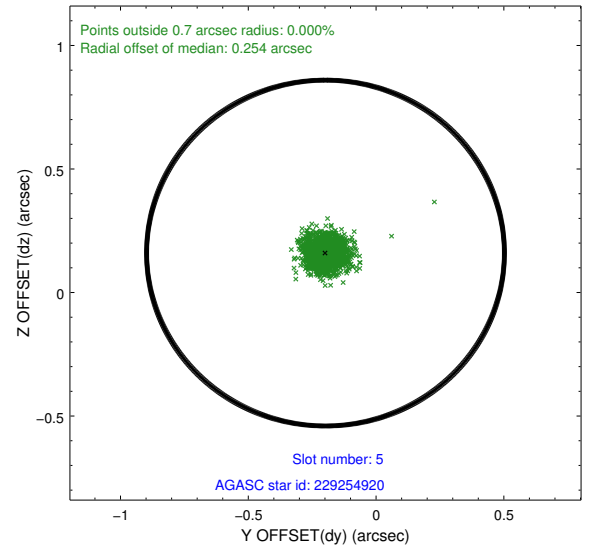
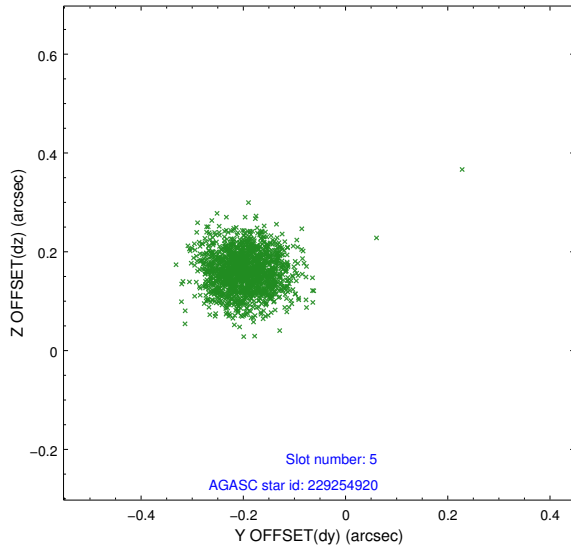
2.4.1 Slot 3



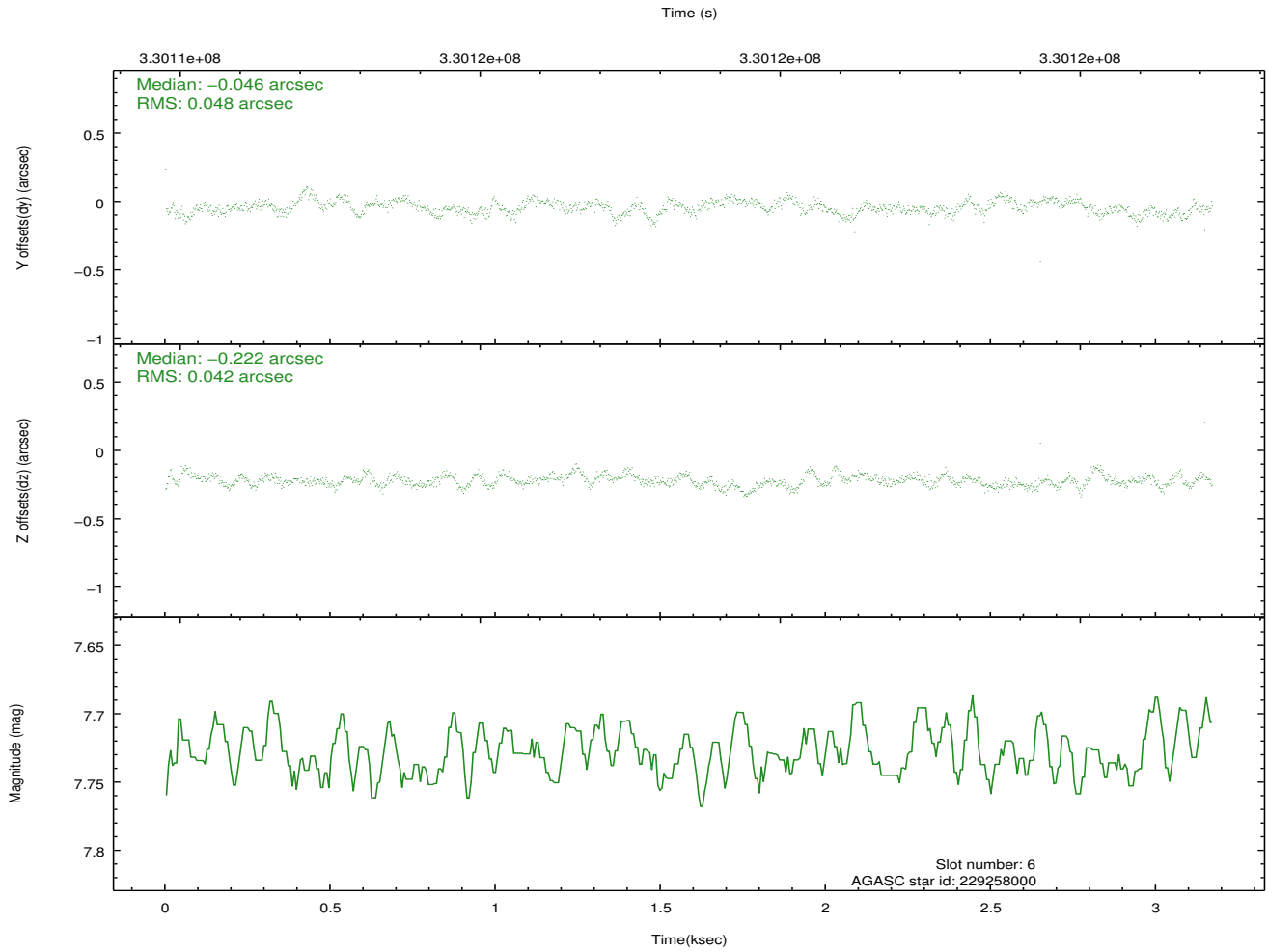
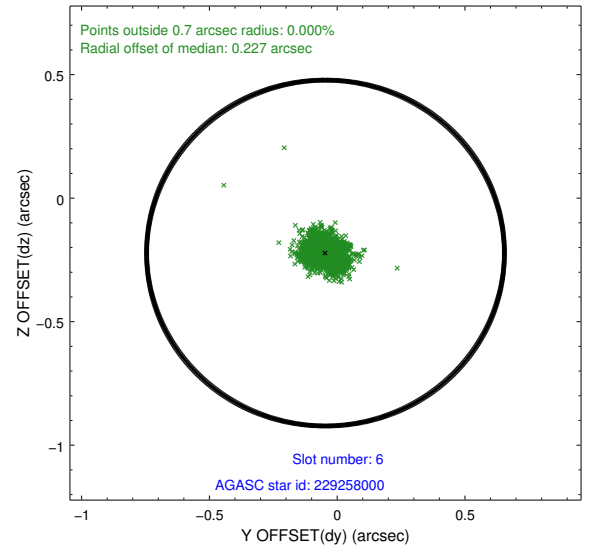
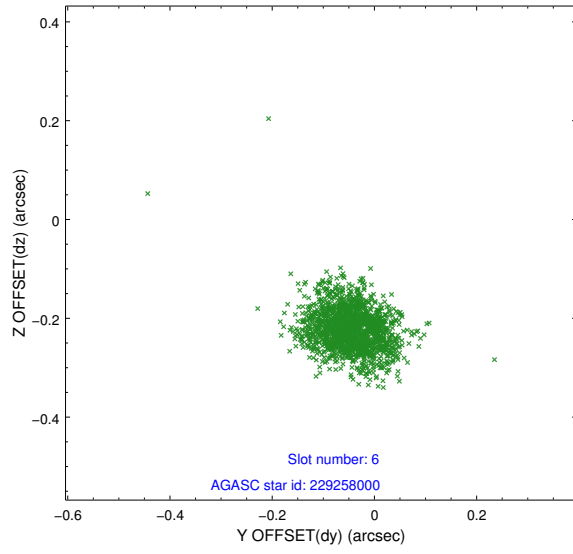
2.4.2 Slot 4



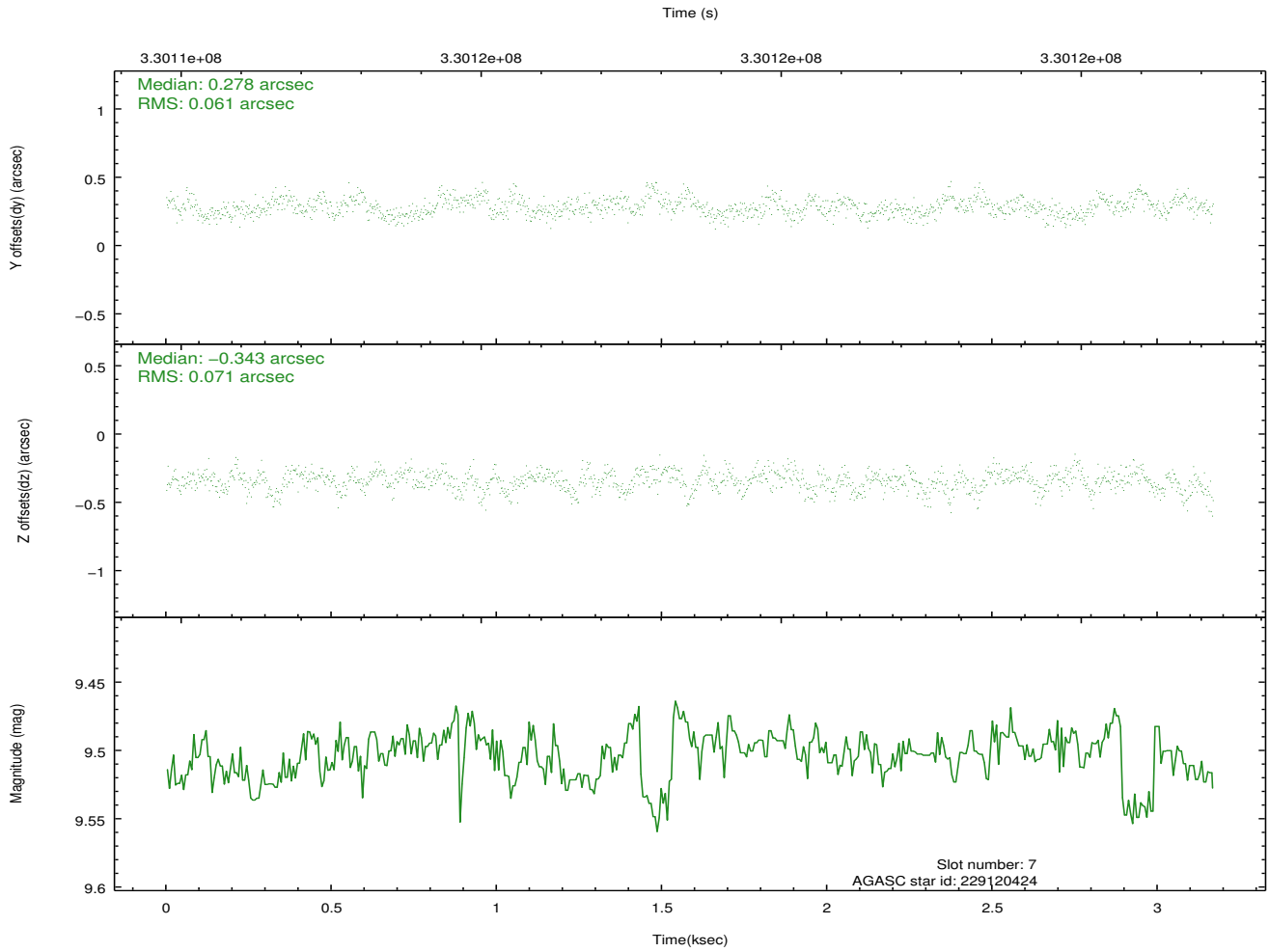
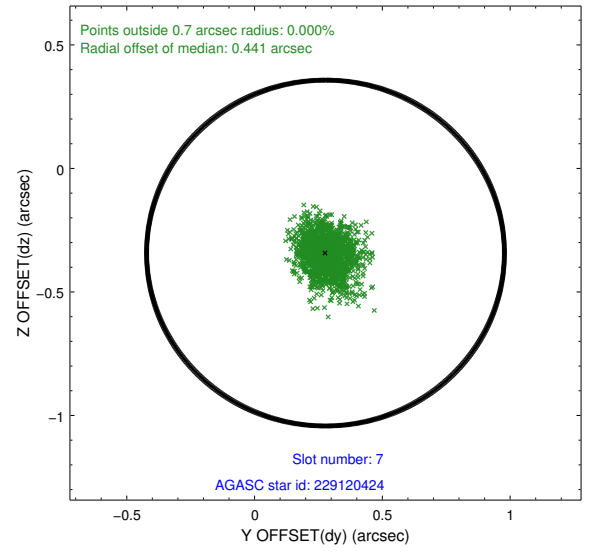
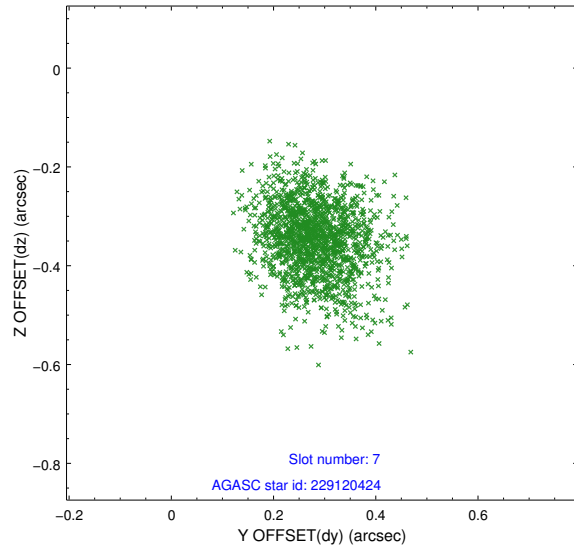
2.4.3 Slot 5



2.4.4 Slot 6

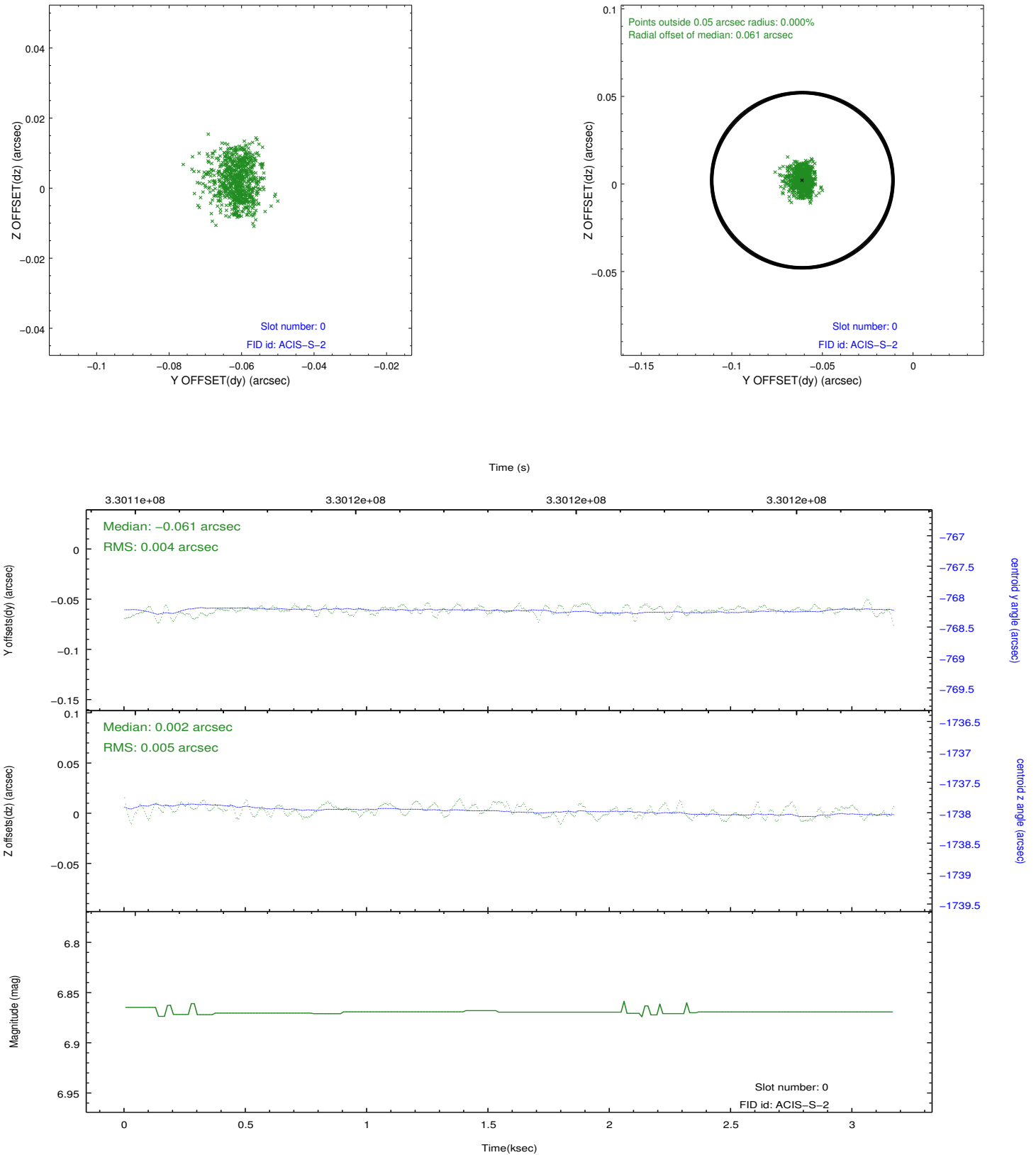


2.4.5 Slot 7

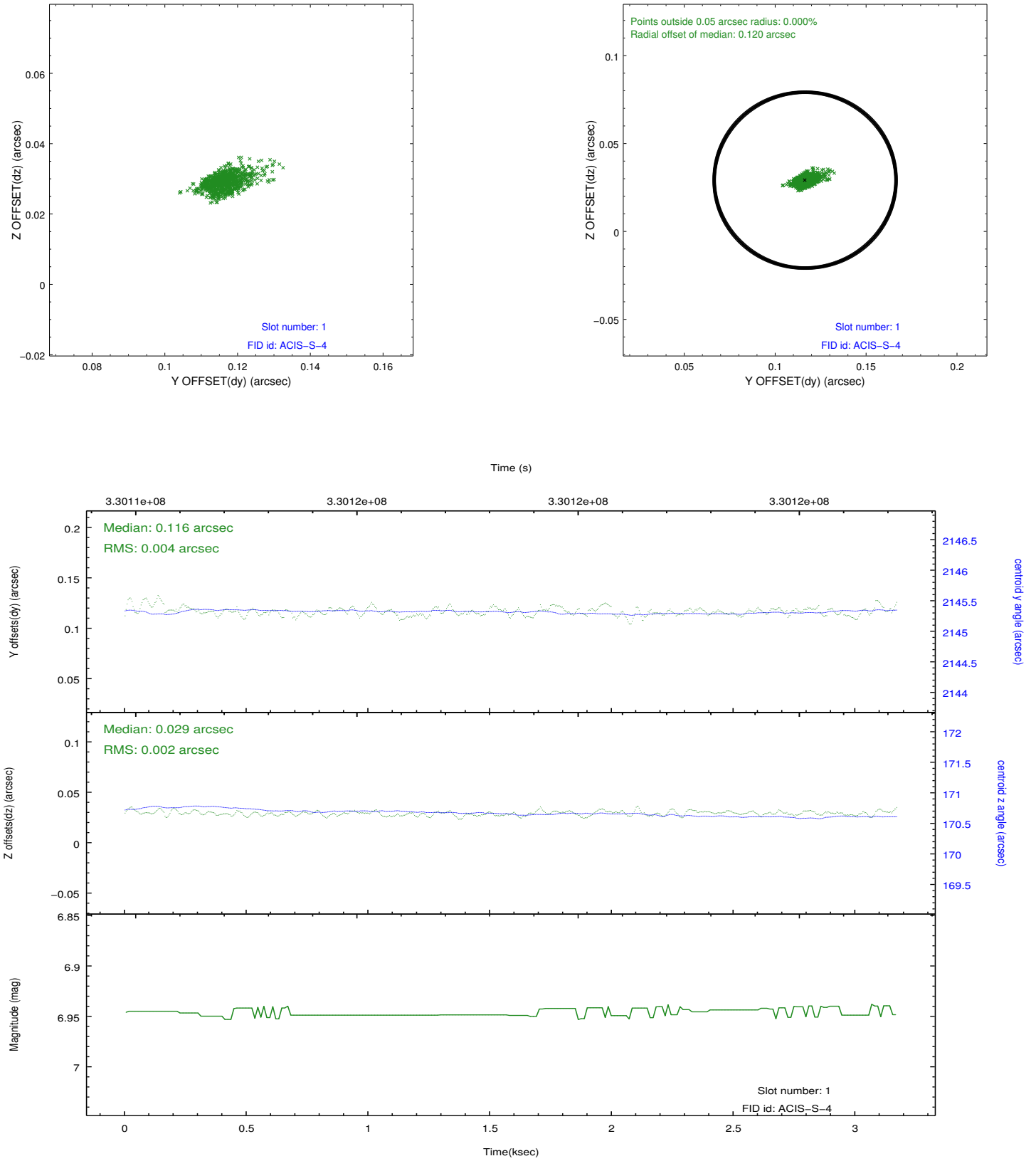


2.5 FID Slots

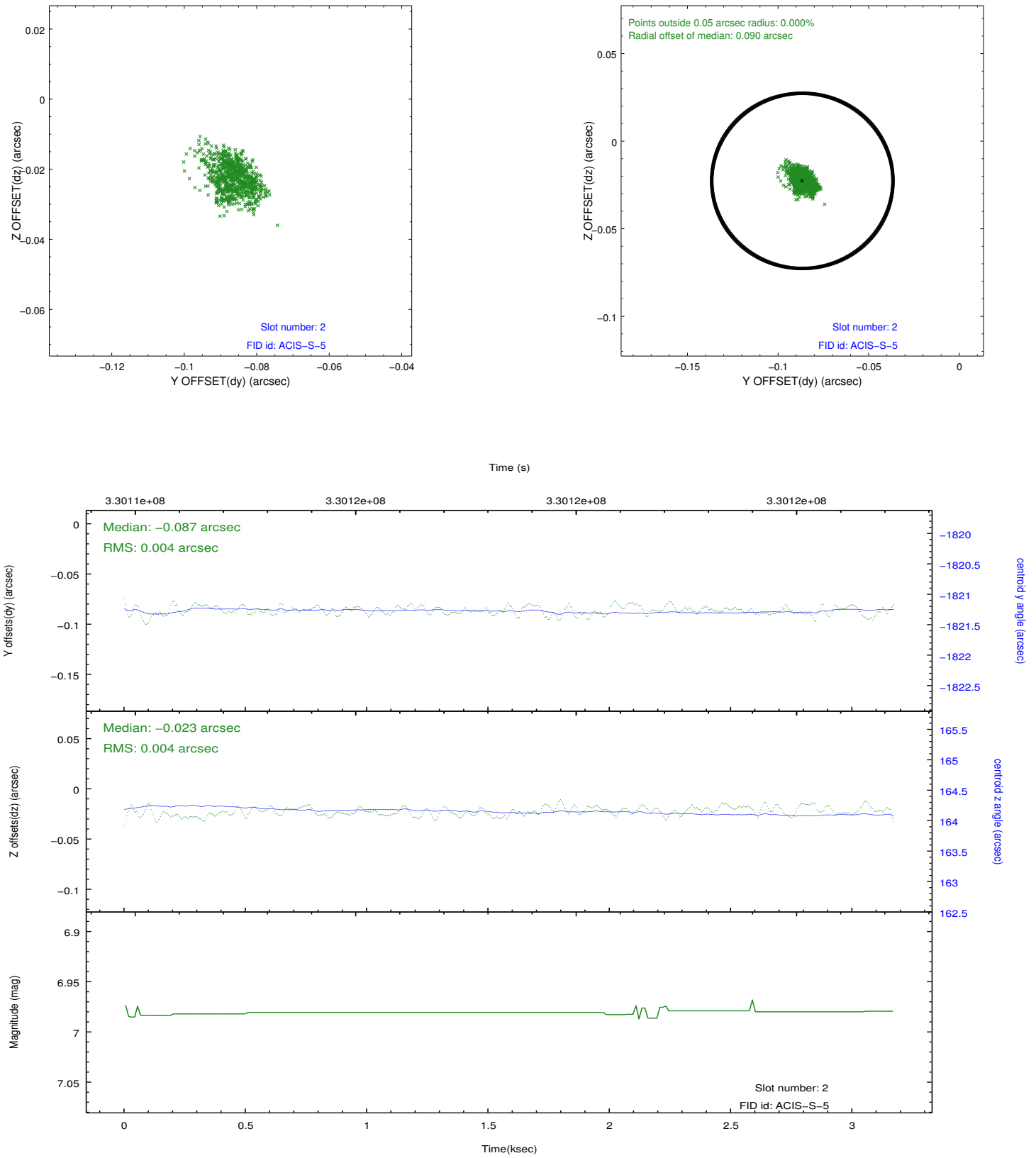
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.167

A.2 Comments