

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13798 - L2 Version 2
Chandra X-Ray Center

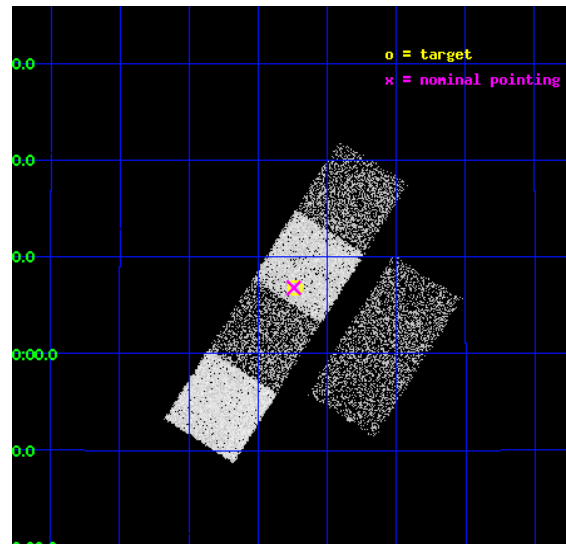
L2 Processing Date : Feb 29 2012

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

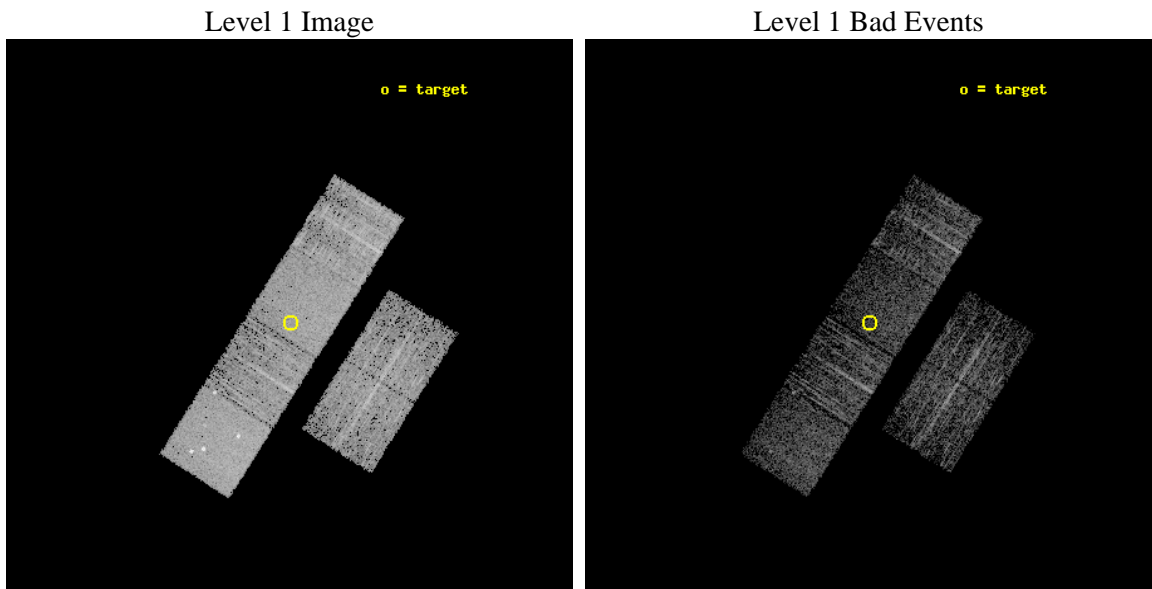
seq_num	501630	Sequence number
obs_id	13798	Observation id
title	A CASE OF MISTAKEN IDENTITY: DISRUPTED RECYCLED PULSARS OR ORPHANED ANTI-MAGNETARS?	Proposal title
observer	Prof. Dr. Bruce Allen	Principal investigator
object	PSR J2235+1506	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	338.932083	Observer's specified target RA [deg]
dec_targ	15.113639	Observer's specified target Dec [deg]
ra_nom	338.93527197981	Nominal RA [deg]
dec_nom	15.113494968639	Nominal Dec [deg]
roll_nom	302.31511804167	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3462.3999871612	Sum of GTIs [s]
livetime	3418.5569937167	Livetime [s]
ontime2	3462.3999871612	Sum of GTIs [s]
ontime3	3462.3999871612	Sum of GTIs [s]
ontime5	3462.3999871612	Sum of GTIs [s]
ontime6	3462.3999871612	Sum of GTIs [s]
ontime7	3462.3999871612	Sum of GTIs [s]
ontime8	3462.3999871612	Sum of GTIs [s]
l2events	35900	Number of level 2 events



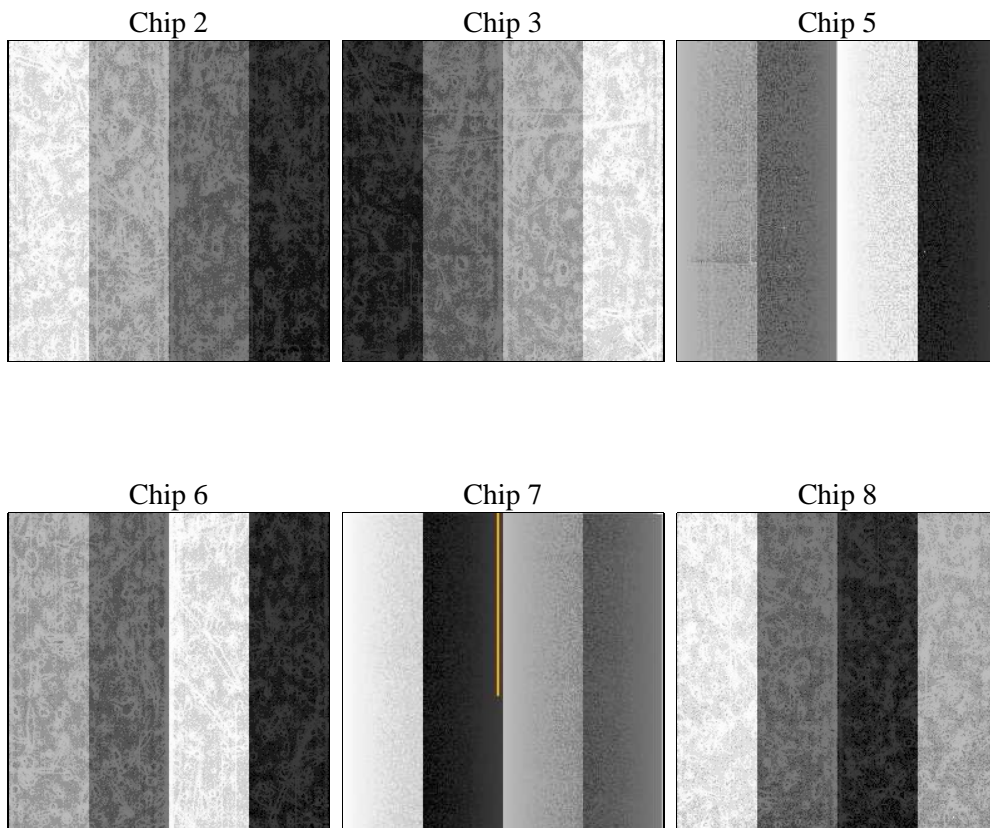
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.990000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3462.3999871612	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	3462.3999871612	Sum of GTIs [s]
date	2012-02-29T13:39:21	Date and time of file creation	ontime3	3462.3999871612	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3462.3999871612	Sum of GTIs [s]
			ontime6	3462.3999871612	Sum of GTIs [s]
			ontime7	3462.3999871612	Sum of GTIs [s]
			ontime8	3462.3999871612	Sum of GTIs [s]
			l1events	154041	Number of level 1 events

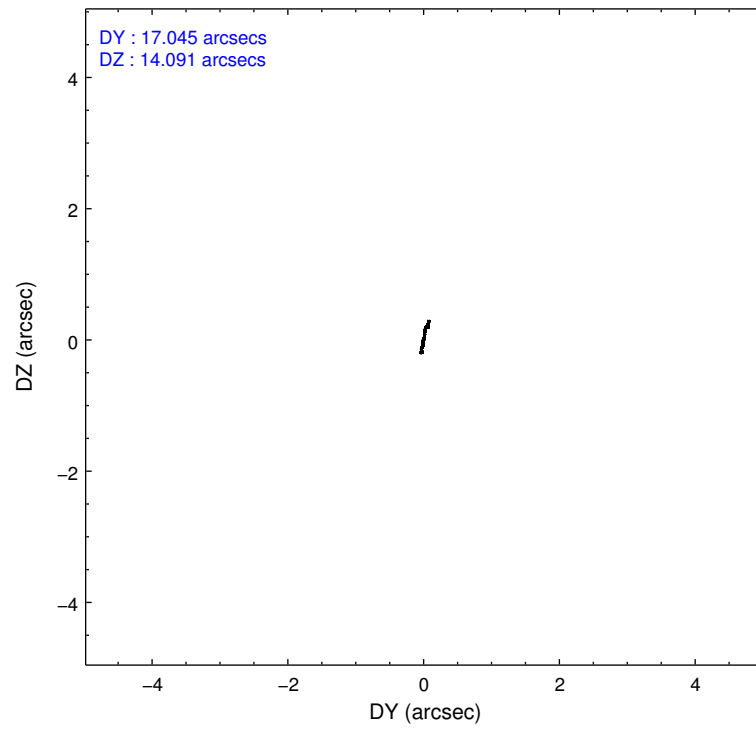
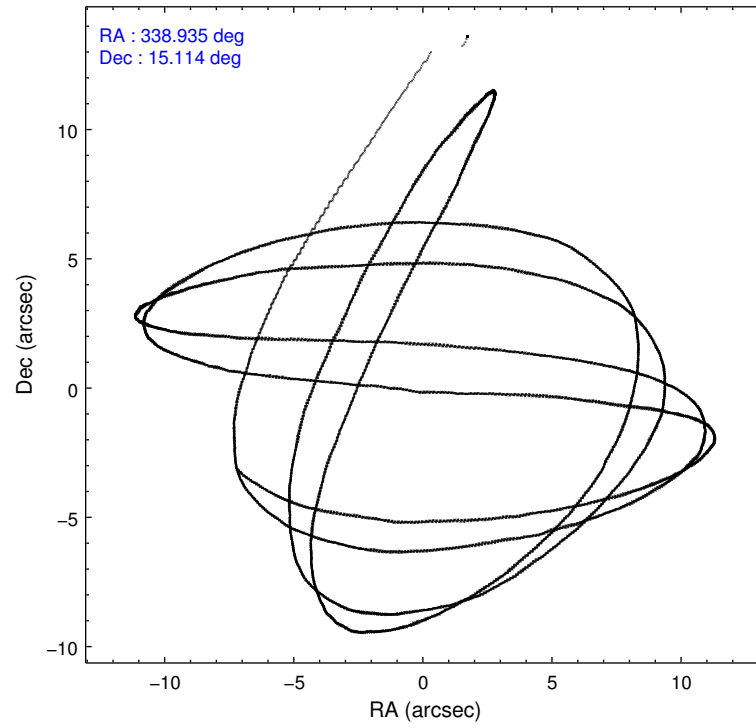
2.1.4 Events

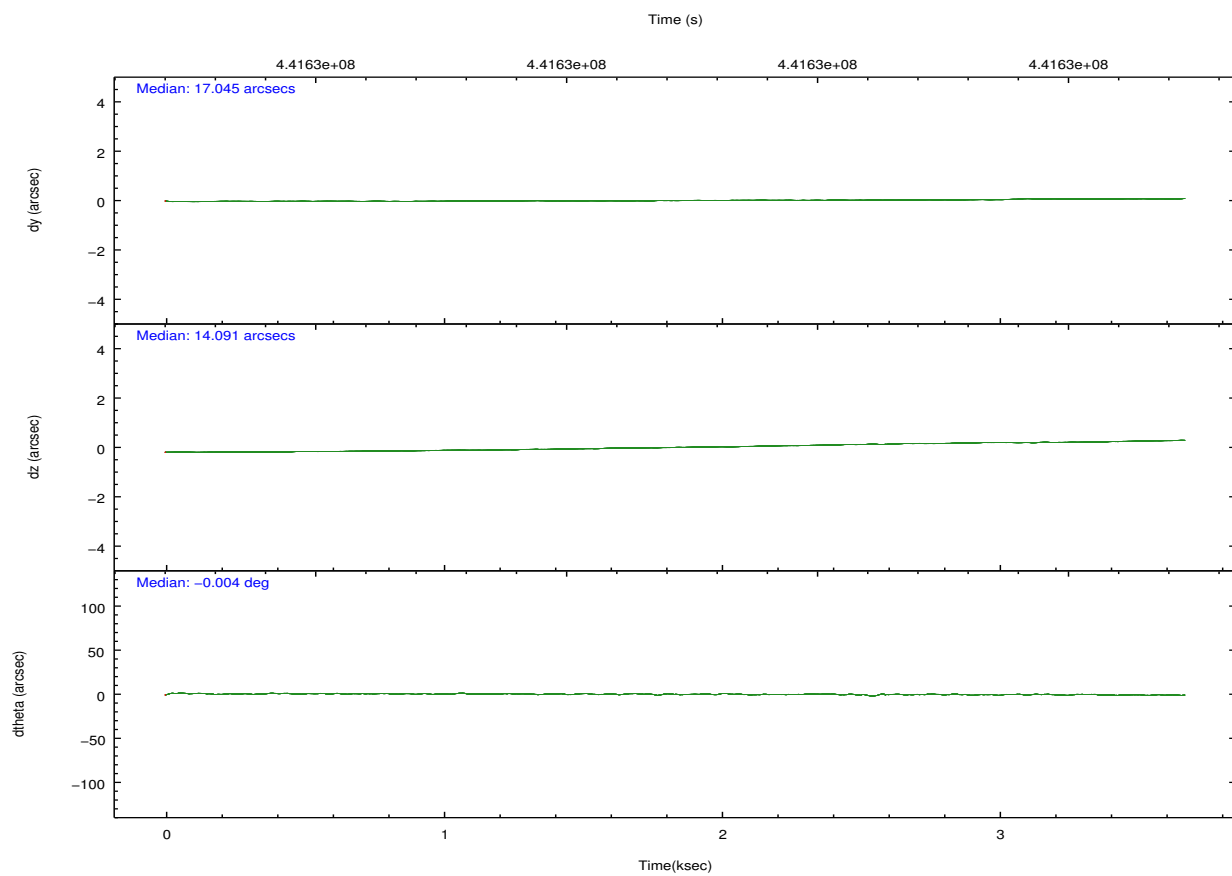
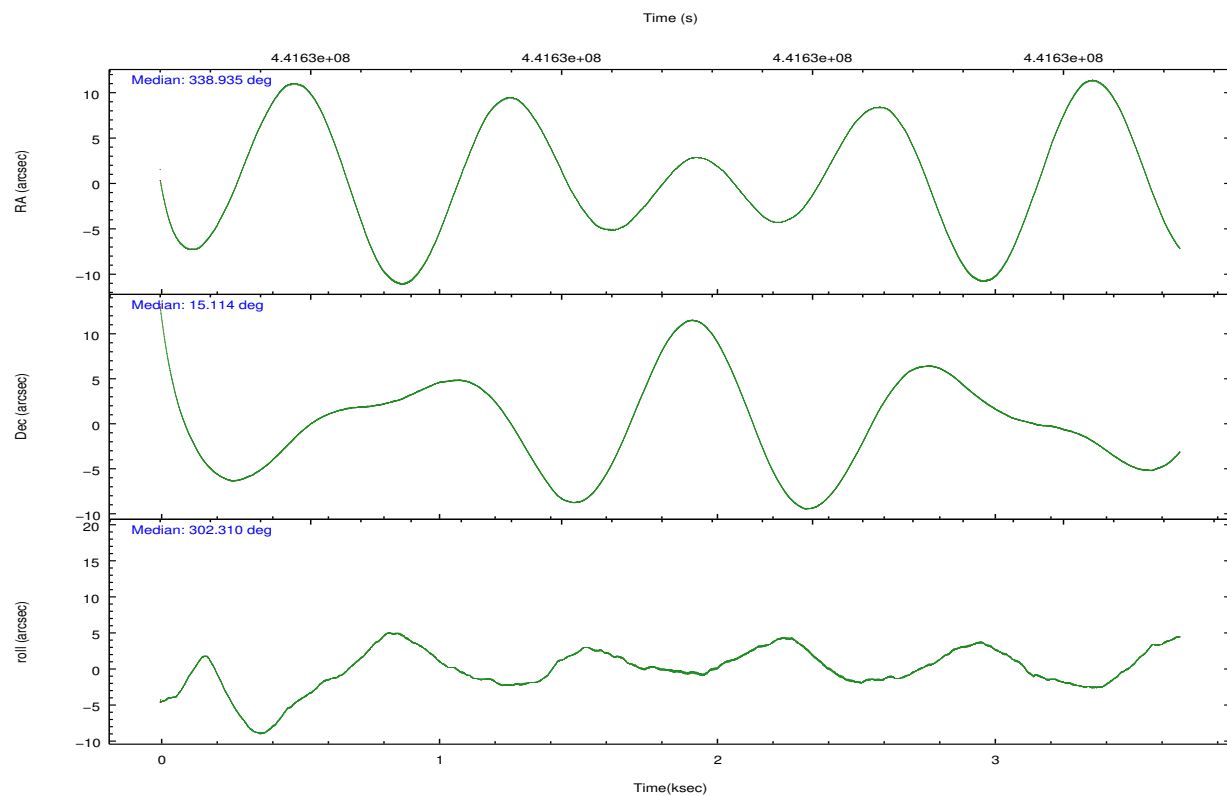
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20675	19155	35511	21899	27722	29079	grade 0 events	833	774	2831	879	1002	2356
rejected events	18374	16950	17545	19340	15477	20730		4%	4%	7%	4%	3%	8%
rejected %	88%	88%	49%	88%	55%	71%	grade 1 events	16	13	176	12	38	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	526	504	5160	542	2510	1896
								2%	2%	14%	2%	9%	6%
							grade 3 events	256	225	614	277	1061	1020
								1%	1%	1%	1%	3%	3%
							grade 4 events	221	245	602	257	1038	892
								1%	1%	1%	1%	3%	3%
							grade 5 events	832	977	2513	1041	2890	1467
								4%	5%	7%	4%	10%	5%
							grade 6 events	470	459	8777	610	6641	2187
								2%	2%	24%	2%	23%	7%
							grade 7 events	17521	15958	14838	18281	12542	19237
								84%	83%	41%	83%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	338.909955	338.9352719798145	CCD I2 on	O1	Y
[deg] Pointing Dec	15.126001	15.113494968639	CCD I3 on	O2	Y
[deg] Pointing Roll	302.165112	302.3151180416662	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	441630755.184000	441629661.75127	CCD S5 on	N	N
Observation start date	2011-12-30T11:11:29	2011-12-30T10:54:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	441634256.184000	441634483.35152	On-chip summing requested	N	N
Observation end date	2011-12-30T12:09:50	2011-12-30T12:14:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



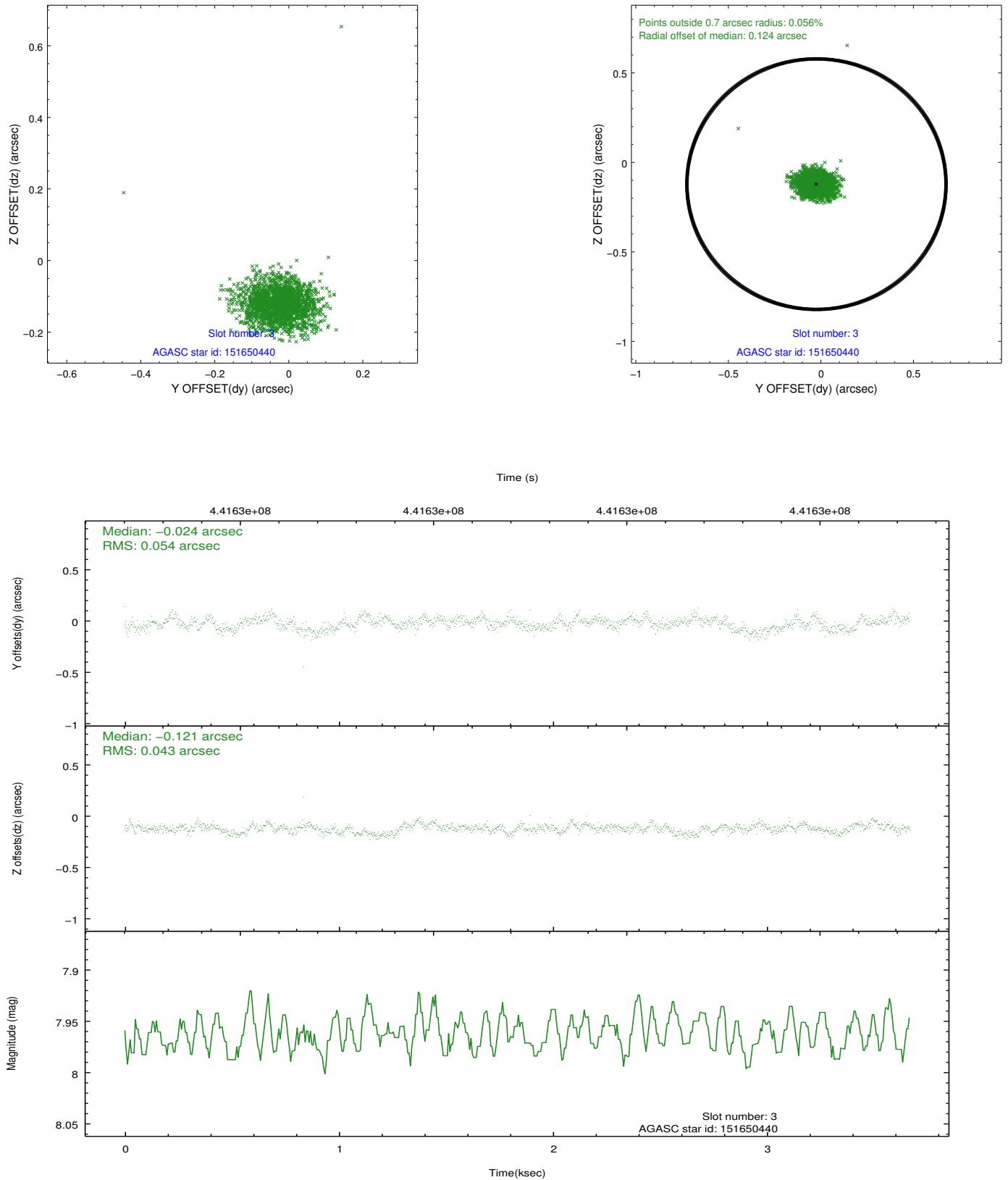


Slot Statistics

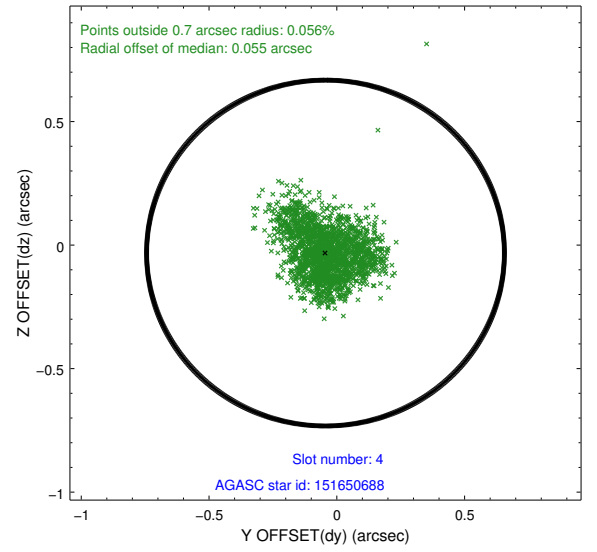
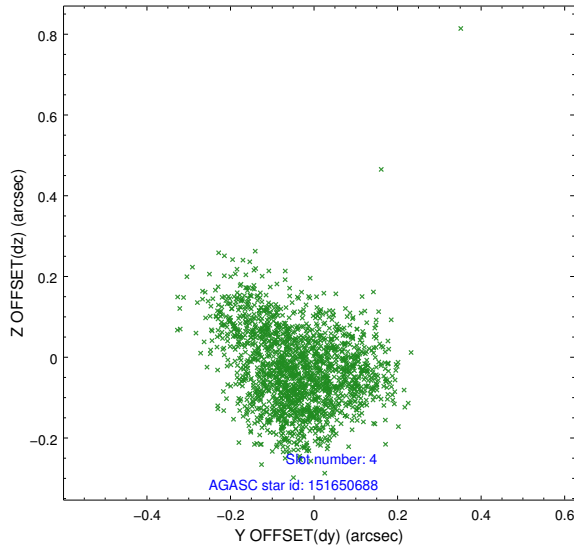
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.01	896	-0.104	-0.045	0.008	0.013	0.000000	0.000000	-770.18	-1735.45
1	FID	ACIS-S-4	7.09	896	0.238	0.062	0.006	0.012	0.000000	0.000000	2142.65	171.36
2	FID	ACIS-S-5	7.13	896	-0.164	-0.009	0.007	0.013	0.000000	0.000000	-1820.89	166.92
3	GUIDE	151650440	7.96	1791	-0.024	-0.121	0.070	0.114	339.468083	14.986475	1457.90	1376.79
4	GUIDE	151650688	9.39	1788	-0.044	-0.032	0.150	0.230	338.529491	14.625725	818.92	-2078.83
5	GUIDE	151652440	9.20	1776	0.160	0.118	0.163	0.252	339.030960	14.832987	1117.52	-205.54
6	GUIDE	222298656	9.28	1788	0.046	0.091	0.099	0.158	338.545017	15.136730	-707.94	-1052.07
7	GUIDE	222299944	9.22	1787	-0.155	-0.050	0.108	0.174	338.705353	15.506238	-1537.76	127.22

2.4 Star Slots

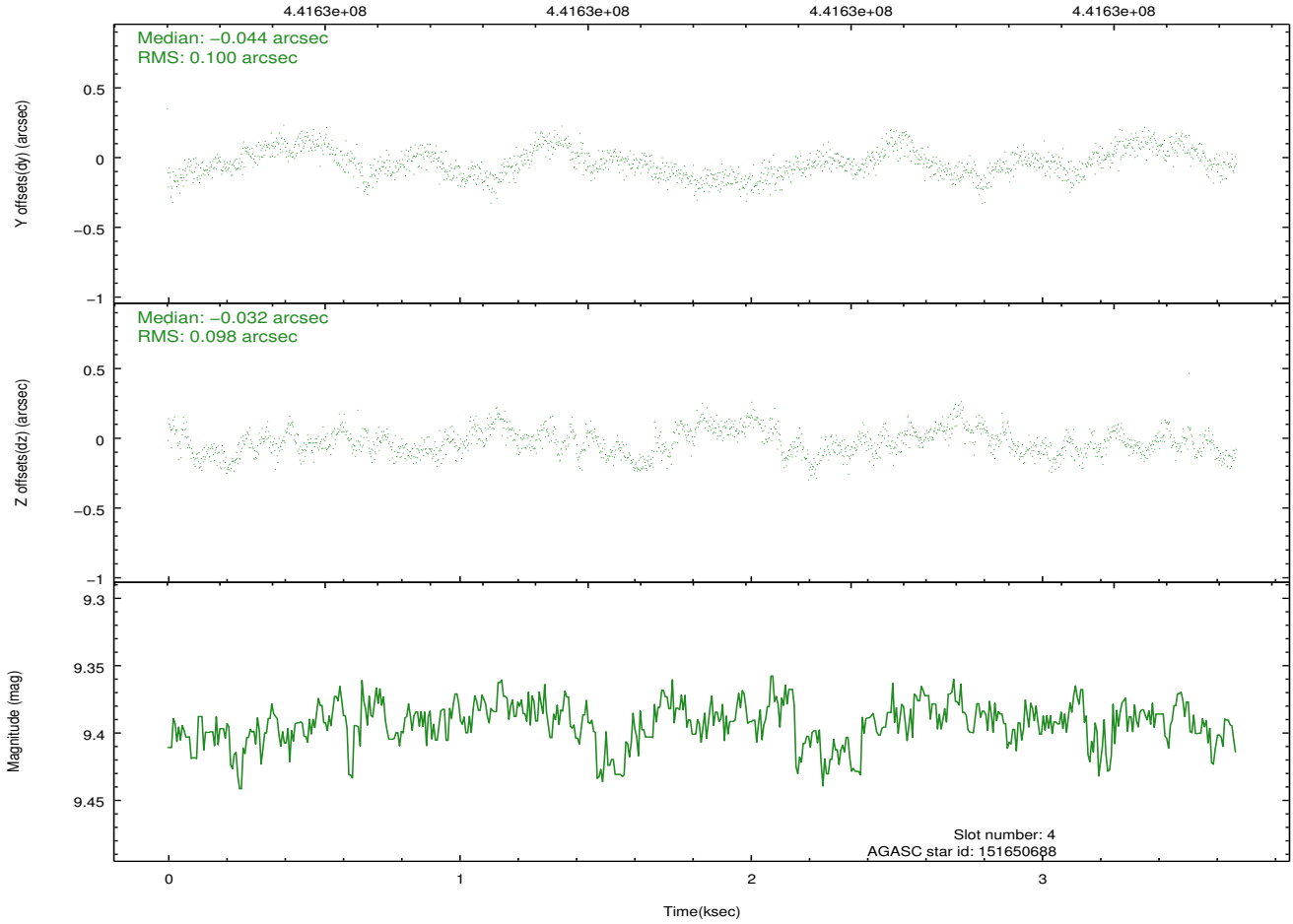
2.4.1 Slot 3



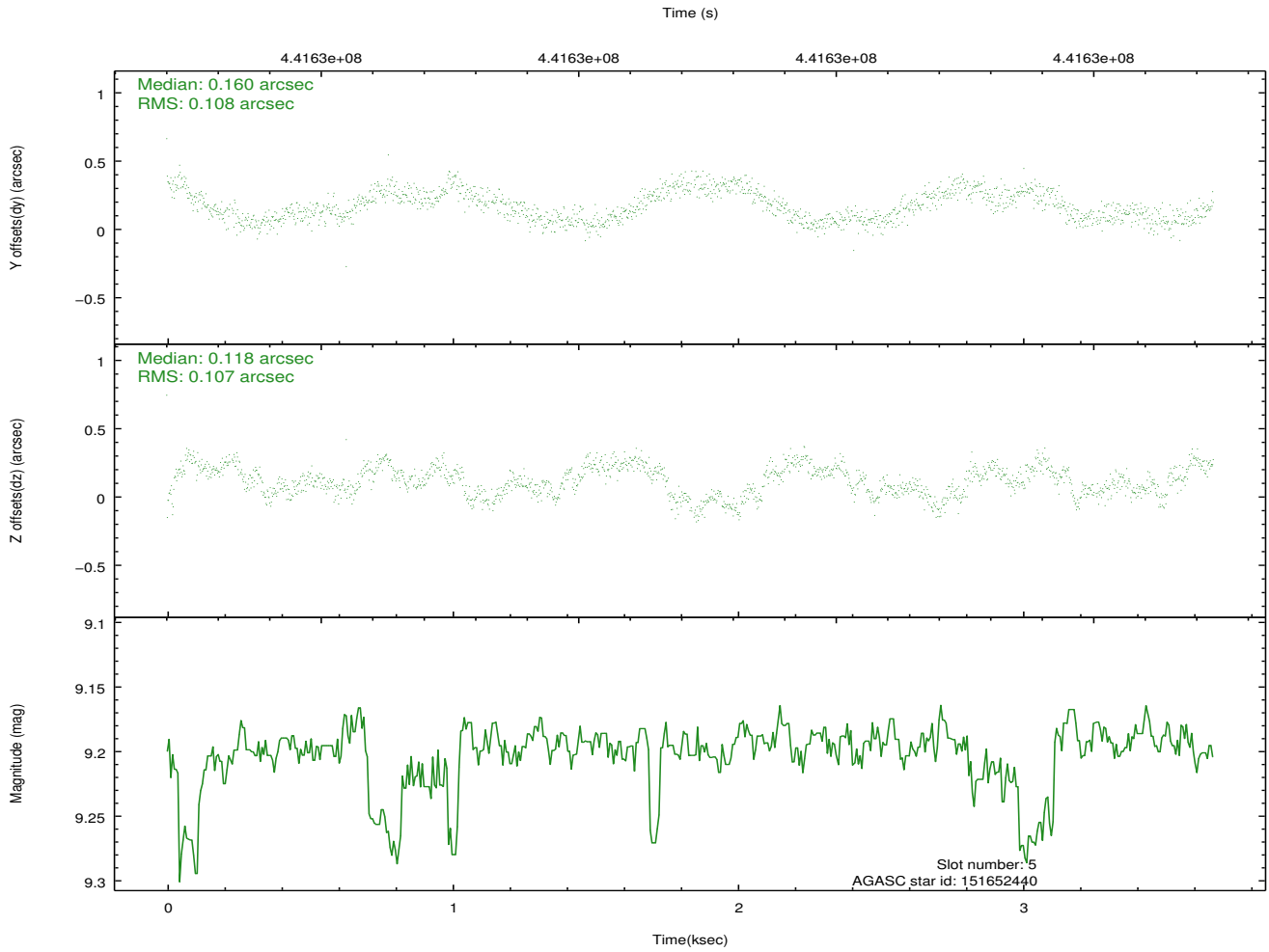
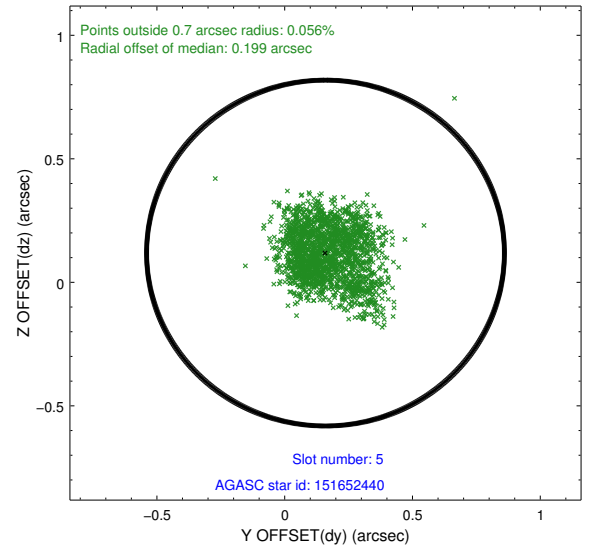
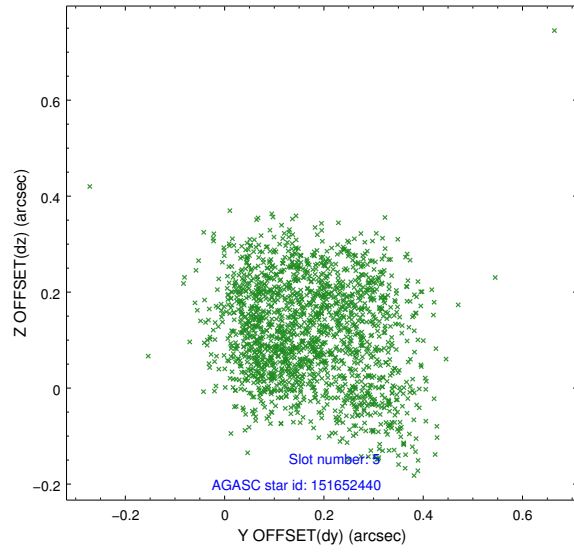
2.4.2 Slot 4



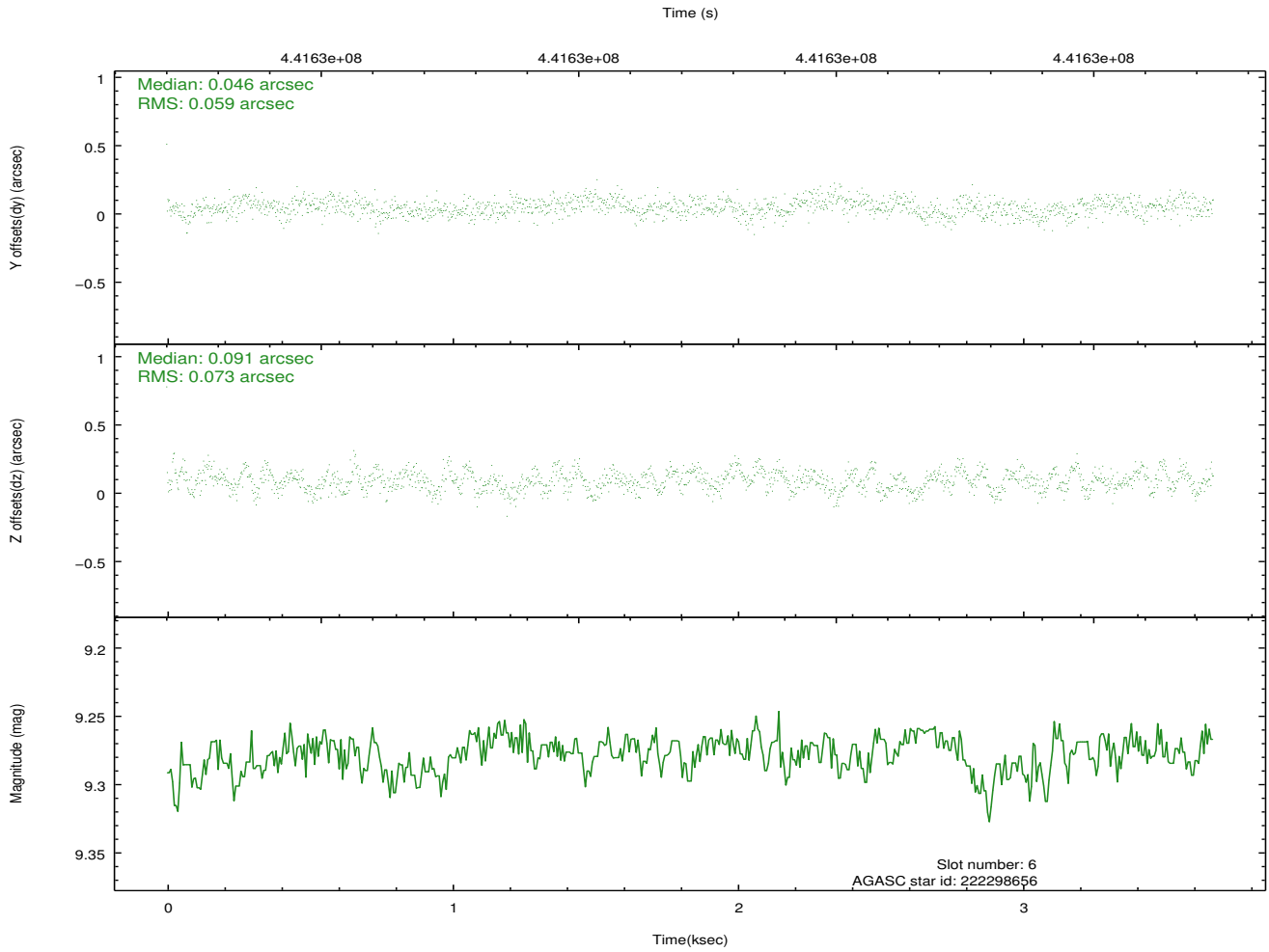
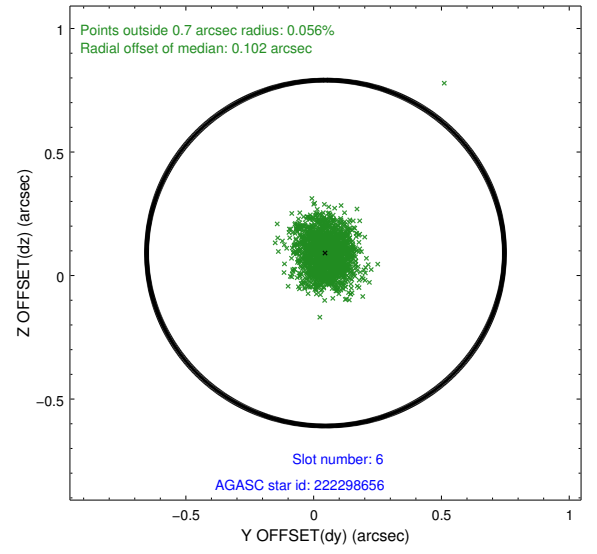
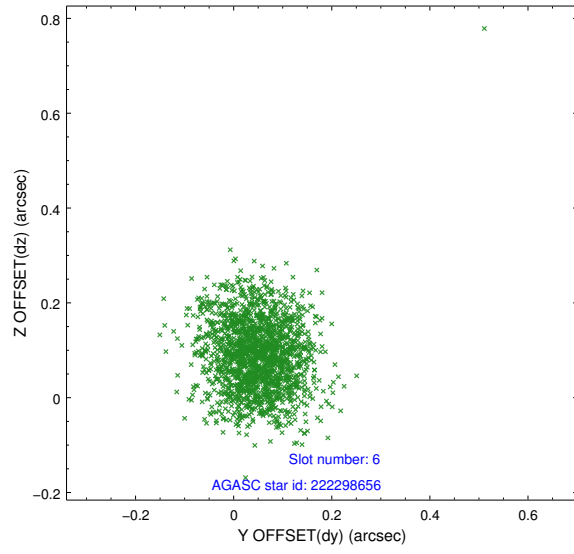
Time (s)



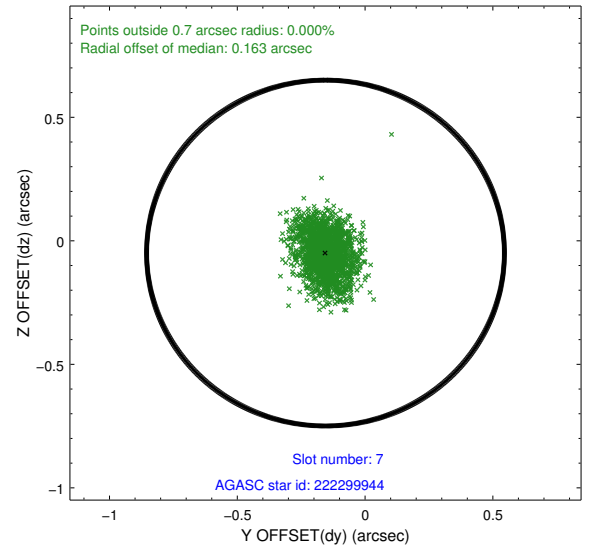
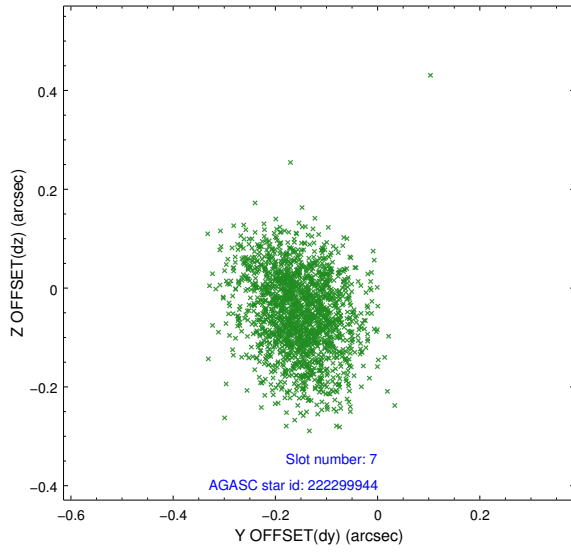
2.4.3 Slot 5



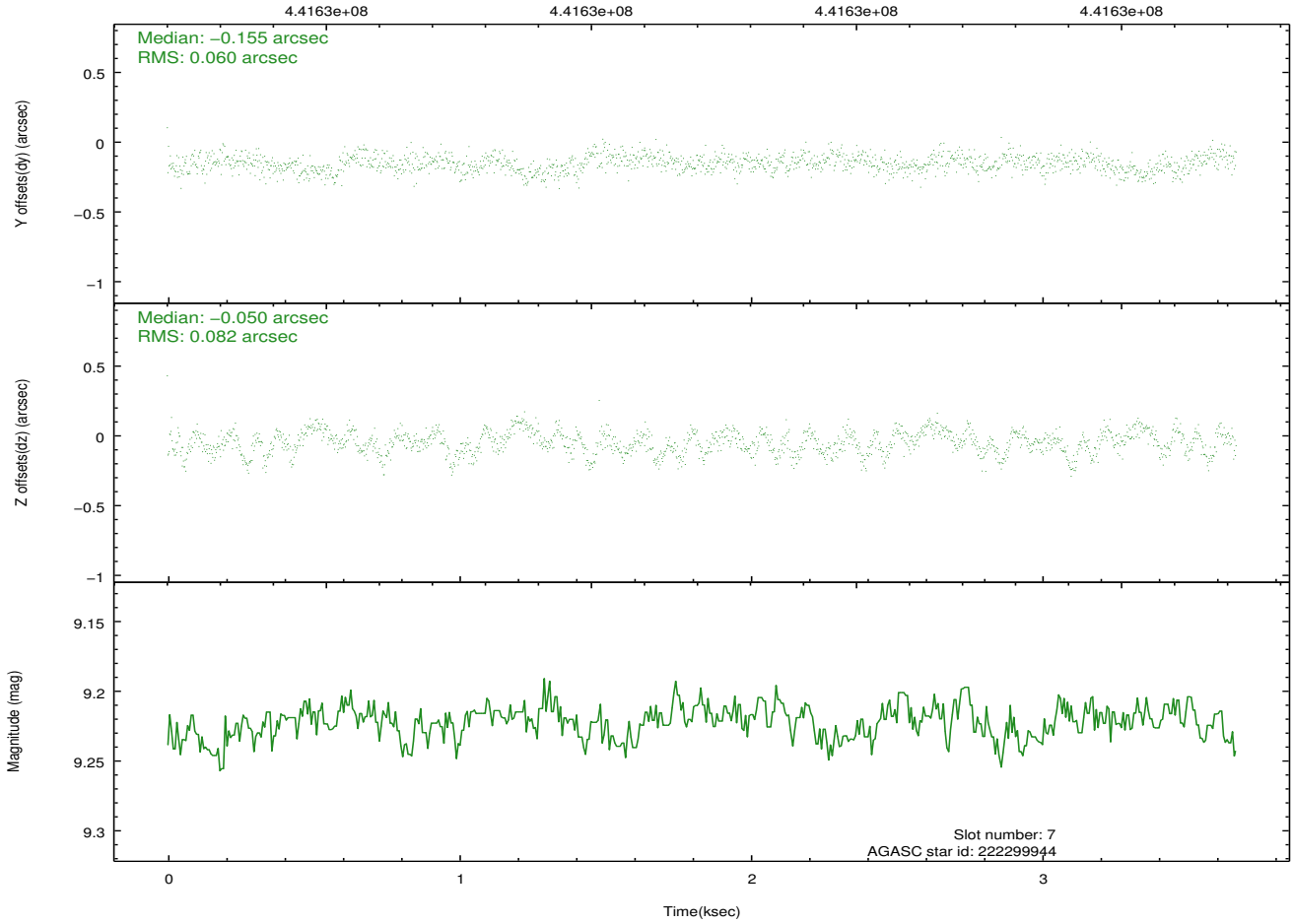
2.4.4 Slot 6



2.4.5 Slot 7

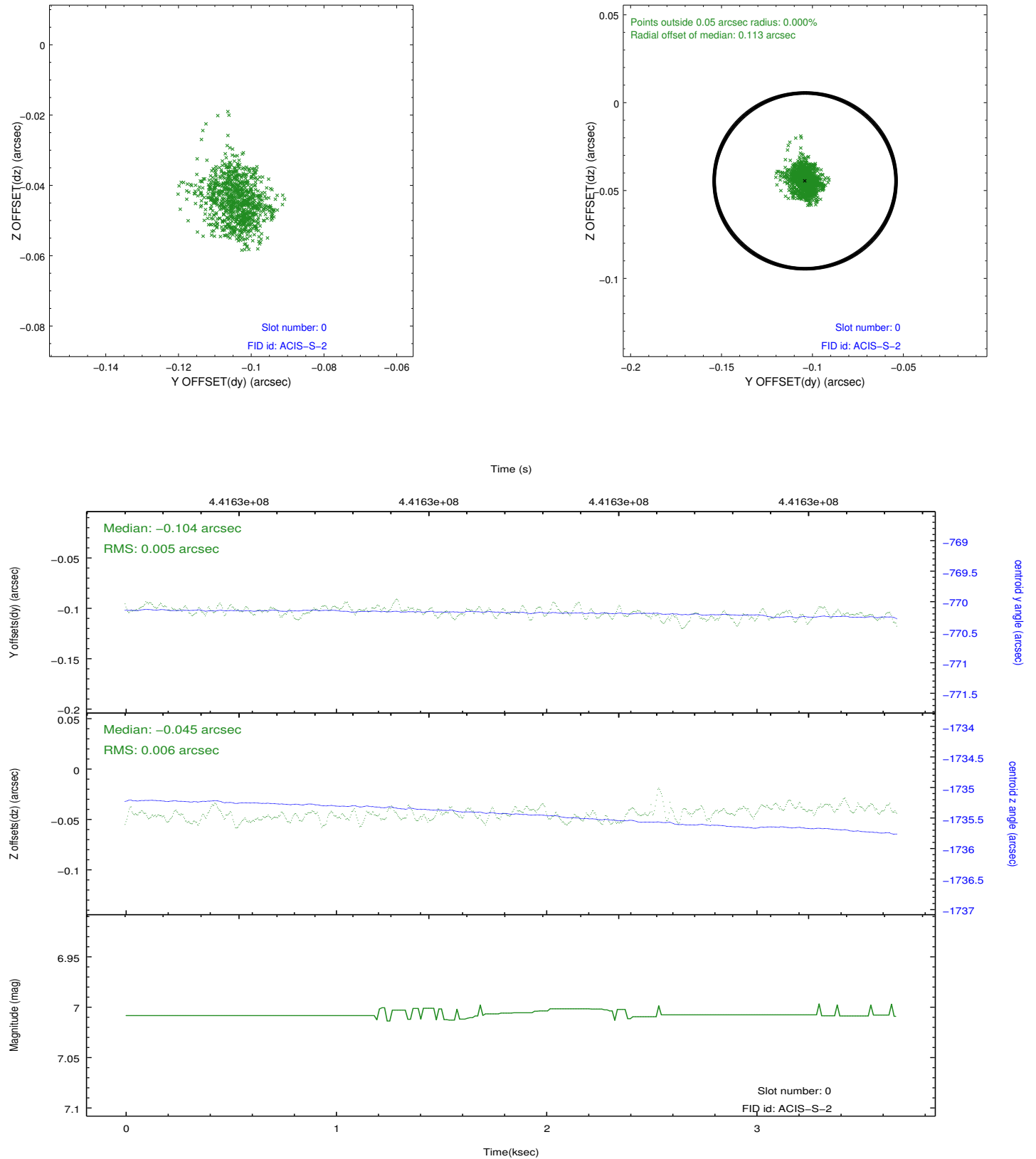


Time (s)

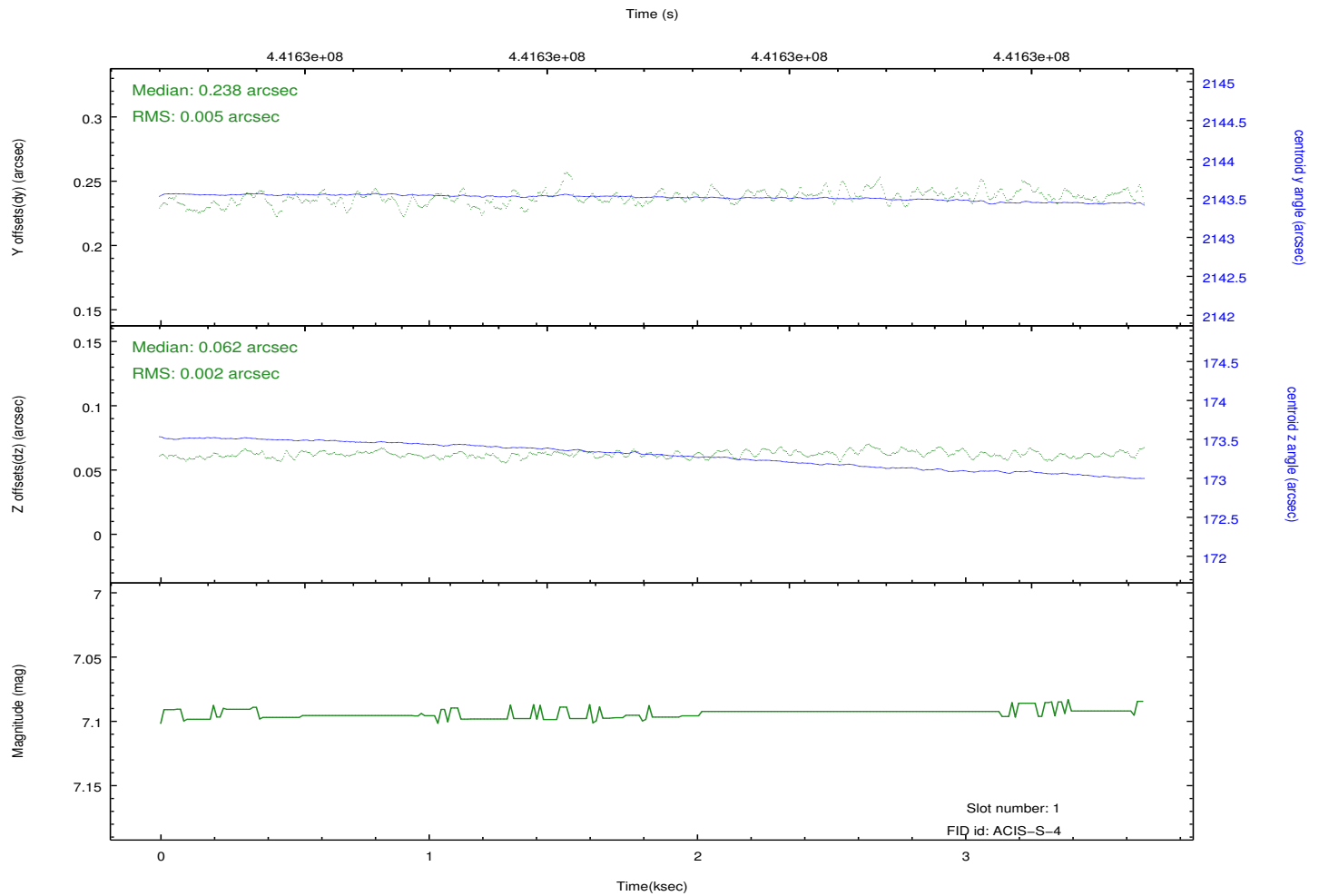
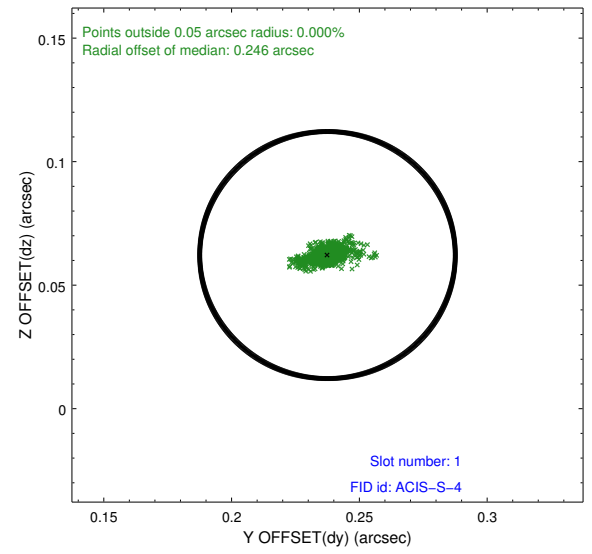
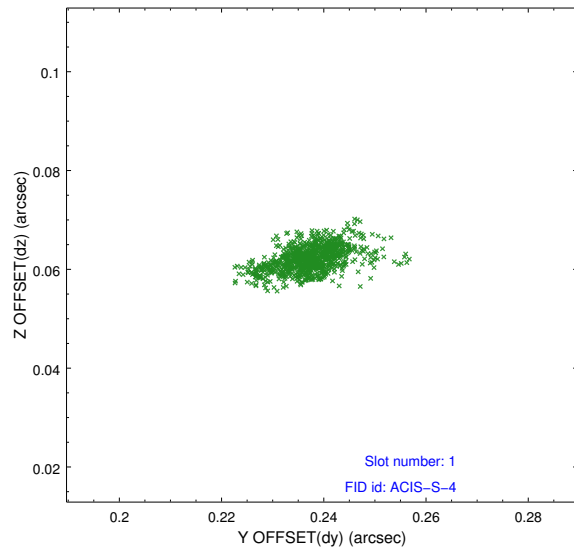


2.5 FID Slots

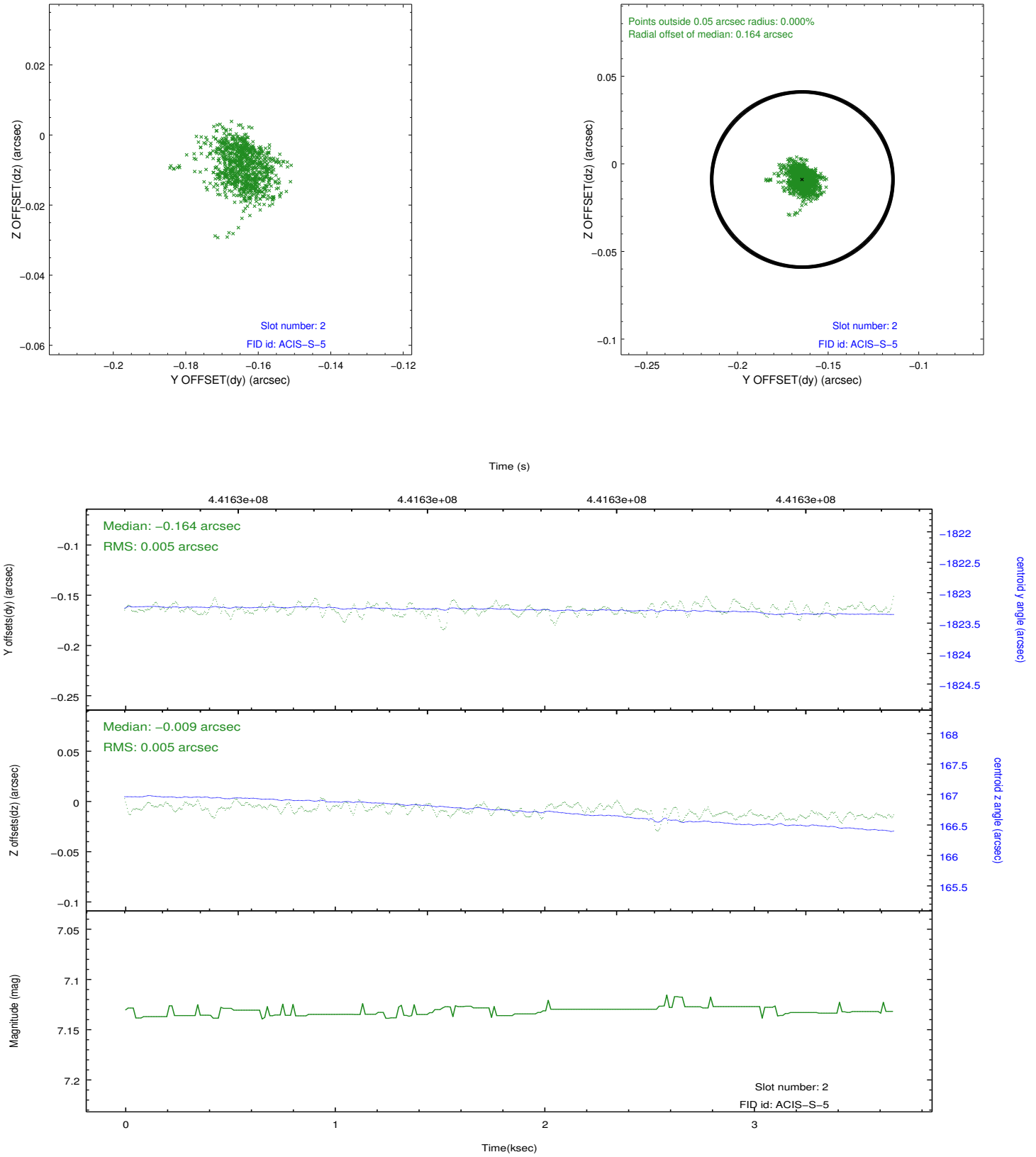
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4623999871612

A.2 Comments