

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8160 - L2 Version 2
Chandra X-Ray Center

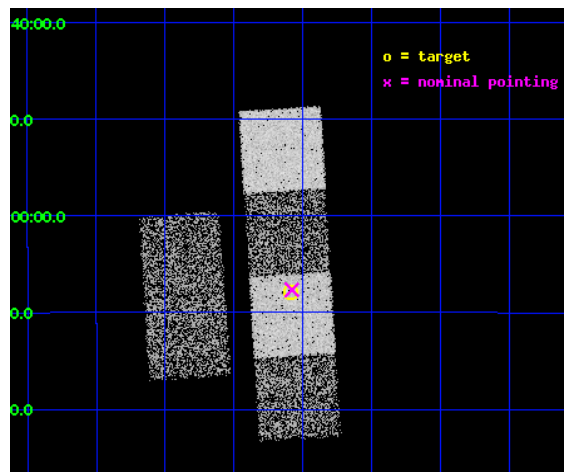
L2 Processing Date : May 9 2012

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1 Front

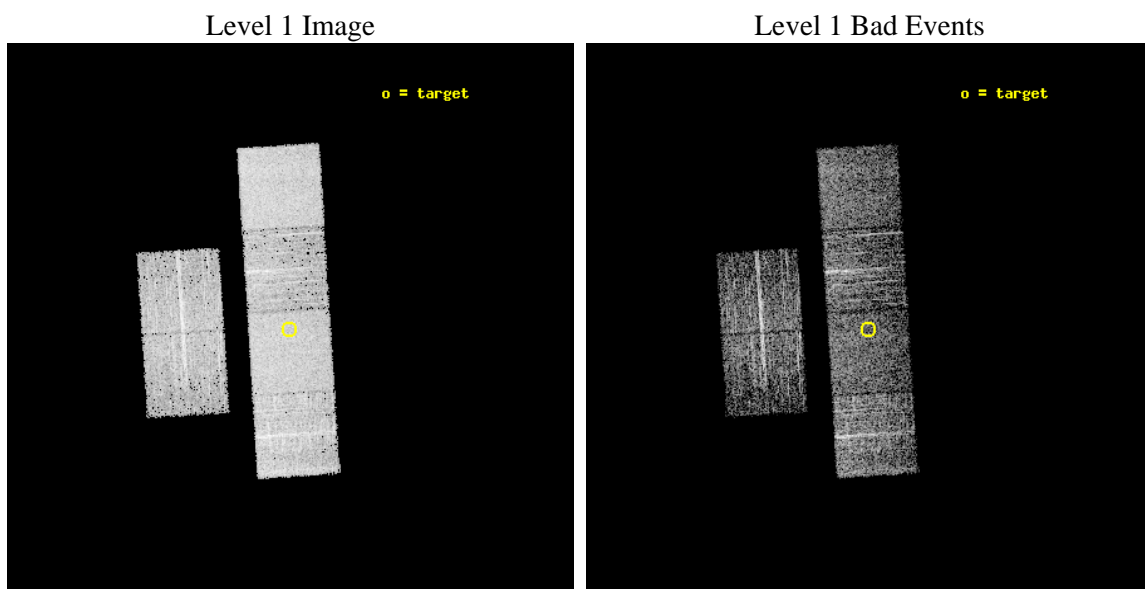
seq_num	900701	Sequence number
obs_id	8160	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J181705-1607	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.272083	Observer's specified target RA [deg]
dec_targ	-16.132	Observer's specified target Dec [deg]
ra_nom	274.26985527268	Nominal RA [deg]
dec_nom	-16.127762694253	Nominal Dec [deg]
roll_nom	86.343718593278	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2659.1999901533	Sum of GTIs [s]
livetime	2625.5275987	Livetime [s]
ontime2	2659.1999901533	Sum of GTIs [s]
ontime3	2659.1999901533	Sum of GTIs [s]
ontime5	2659.1999901533	Sum of GTIs [s]
ontime6	2659.1999901533	Sum of GTIs [s]
ontime7	2659.1999901533	Sum of GTIs [s]
ontime8	2655.9590397477	Sum of GTIs [s]
l2events	43790	Number of level 2 events



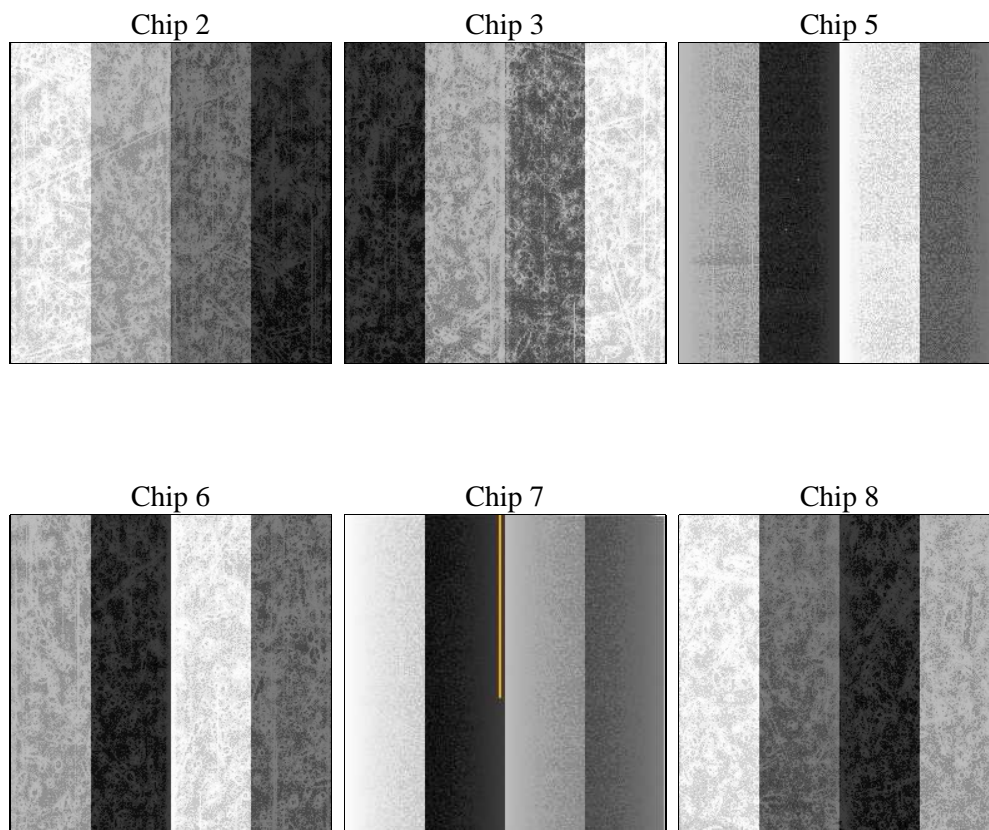
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2659.1999901533	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2659.1999901533	Sum of GTIs [s]
date	2012-05-09T18:25:54	Date and time of file creation	ontime3	2659.1999901533	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2659.1999901533	Sum of GTIs [s]
			ontime6	2659.1999901533	Sum of GTIs [s]
			ontime7	2659.1999901533	Sum of GTIs [s]
			ontime8	2655.9590397477	Sum of GTIs [s]
			l1events	186145	Number of level 1 events

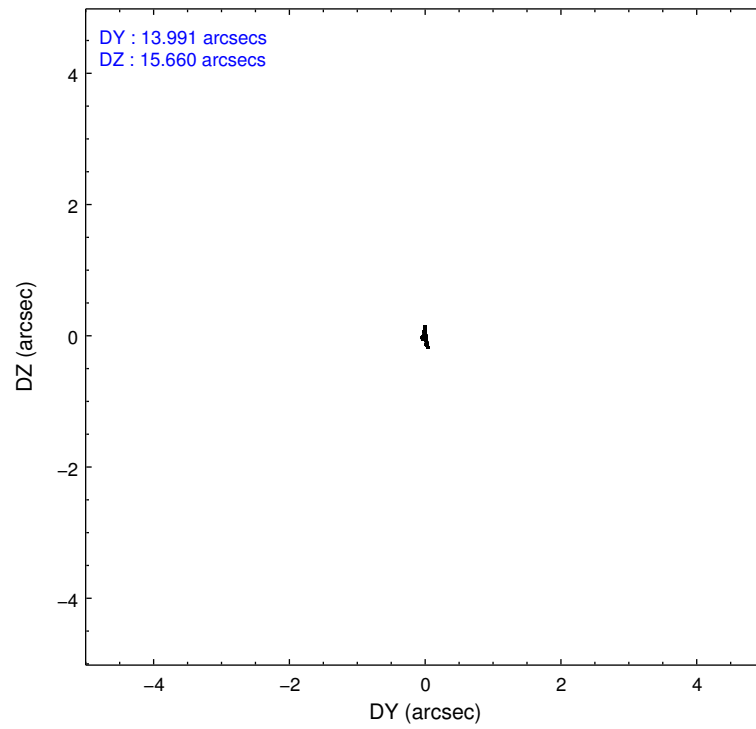
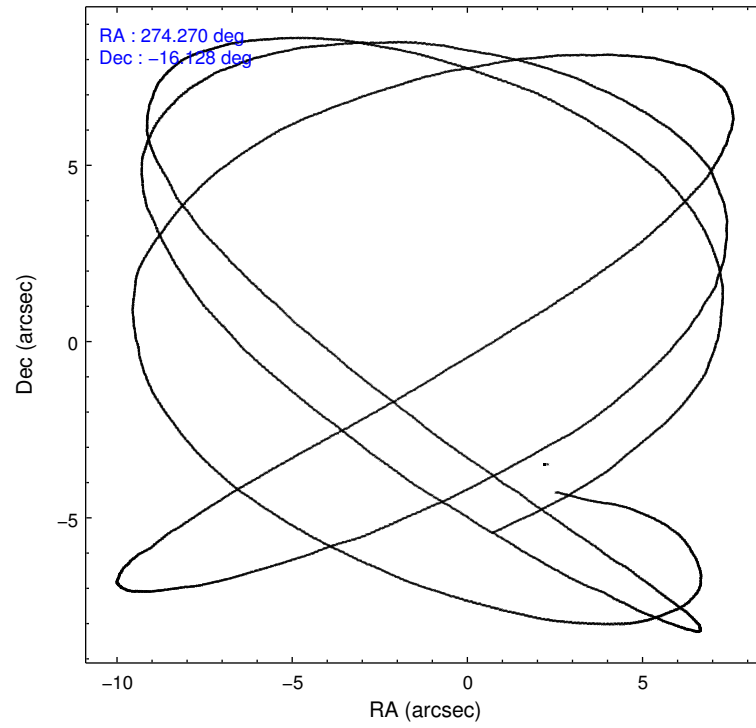
2.1.4 Events

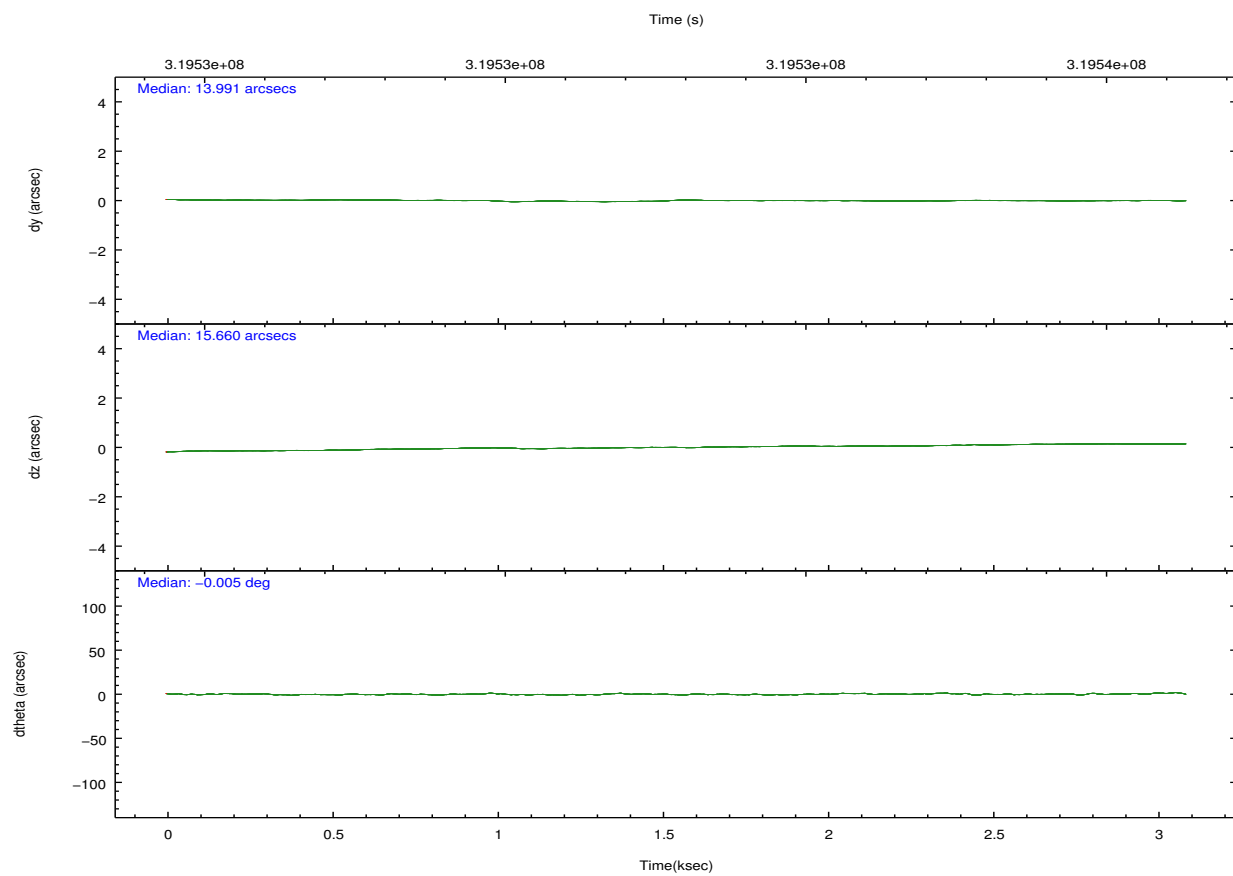
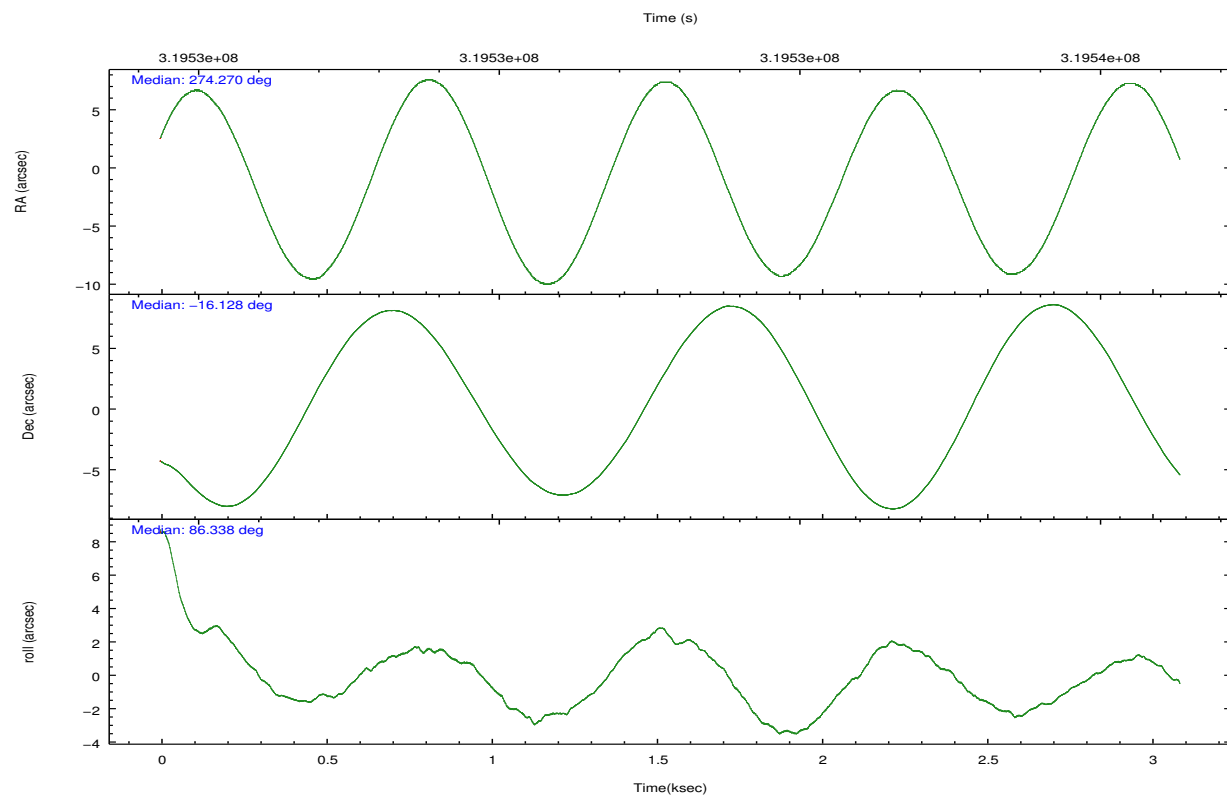
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26654	24368	39065	25521	35432	35105	grade 0 events	1447	1451	1152	1432	1423	2544
rejected events	23431	21216	21204	22236	20350	27673		5%	5%	2%	5%	4%	7%
rejected %	87%	87%	54%	87%	57%	78%	grade 1 events	18	17	84	21	33	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	676	616	5612	705	3051	1607
								2%	2%	14%	2%	8%	4%
							grade 3 events	267	268	718	291	1301	736
								1%	1%	1%	1%	3%	2%
							grade 4 events	275	281	675	286	1310	743
								1%	1%	1%	1%	3%	2%
							grade 5 events	1031	1175	2759	1214	3235	1465
								3%	4%	7%	4%	9%	4%
							grade 6 events	561	538	9734	574	8016	1806
								2%	2%	24%	2%	22%	5%
							grade 7 events	22379	20022	18331	20998	17063	26168
								83%	82%	46%	82%	48%	74%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	274.282687	274.2698552726829	CCD I2 on	O2	Y
[deg] Pointing Dec	-16.152054	-16.12776269425254	CCD I3 on	O3	Y
[deg] Pointing Roll	86.190655	86.34371859327786	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	319532213.184000	319531619.48427	CCD S5 on	N	N
Observation start date	2008-02-16T06:55:48	2008-02-16T06:46:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319535113.184000	319535464.25945	On-chip summing requested	N	N
Observation end date	2008-02-16T07:44:08	2008-02-16T07:51:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



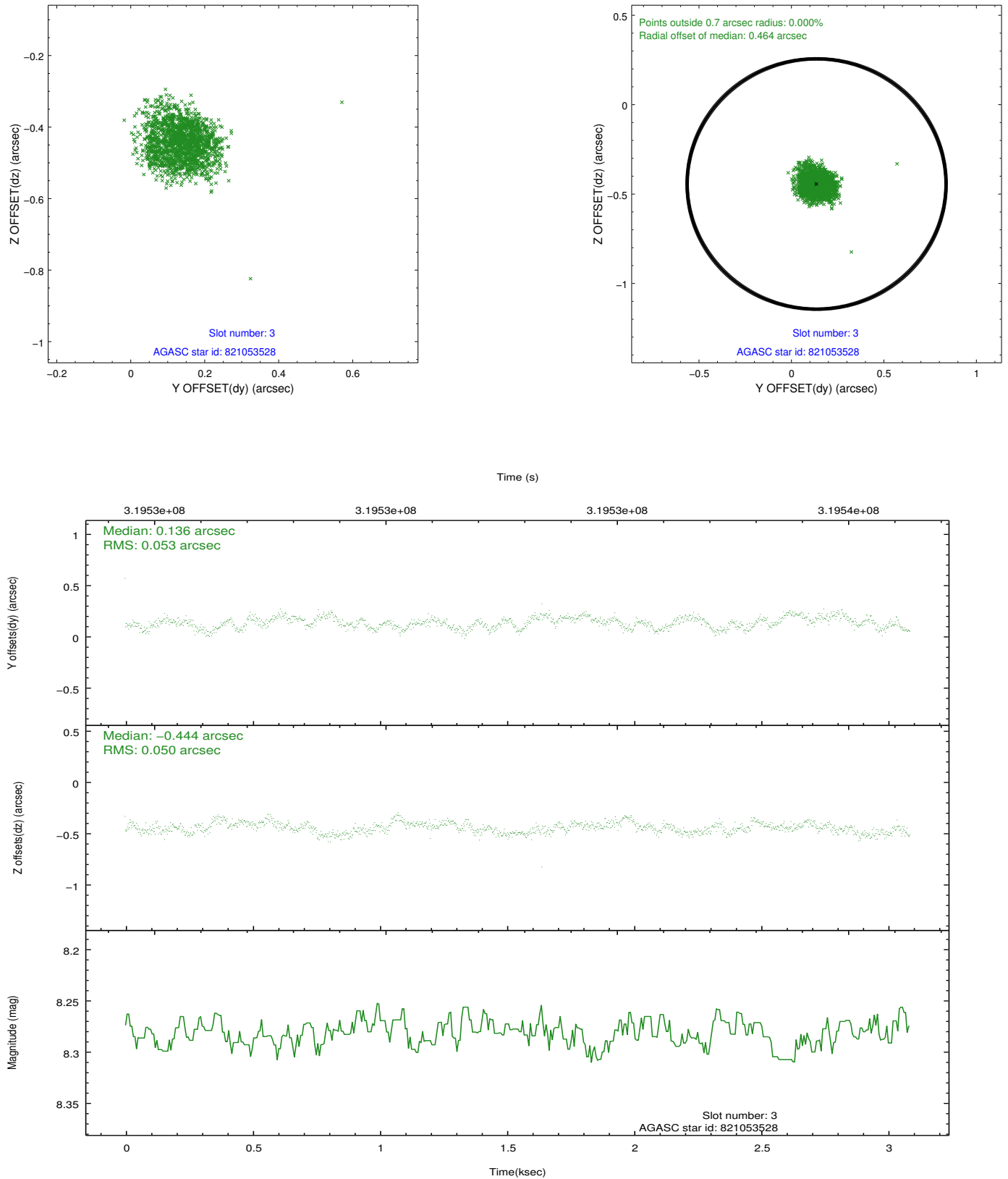


Slot Statistics

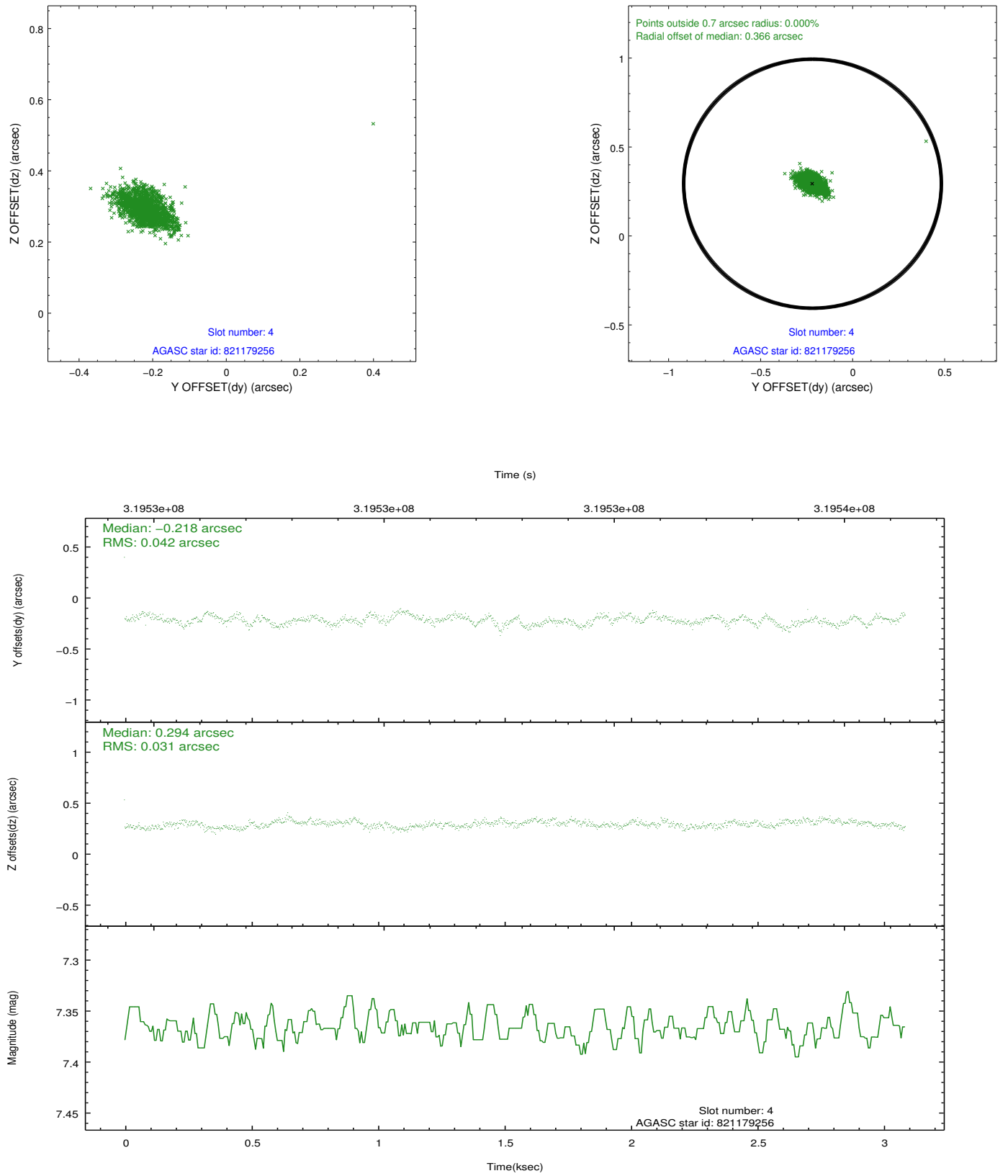
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	754	0.042	-0.059	0.011	0.020	0.000000	0.000000	929.15	-1732.70
1	FID	ACIS-S-4	7.18	754	0.136	0.026	0.010	0.015	0.000000	0.000000	2147.78	169.42
2	FID	ACIS-S-5	7.22	754	-0.204	0.047	0.008	0.013	0.000000	0.000000	-1817.33	165.35
3	GUIDE	821053528	8.28	1507	0.136	-0.444	0.078	0.120	273.625019	-16.498449	-1398.70	2182.24
4	GUIDE	821179256	7.37	1507	-0.218	0.294	0.052	0.088	274.840900	-15.612800	2062.39	-1799.83
5	GUIDE	821181816	8.40	1504	0.134	0.366	0.077	0.124	274.847938	-16.750455	-2020.79	-2088.03
6	GUIDE	821186736	7.94	1506	0.142	0.100	0.060	0.094	274.765126	-16.656680	-1704.84	-1781.91
7	GUIDE	821045512	8.58	1505	-0.193	-0.317	0.066	0.103	273.787679	-15.665405	1630.85	1827.66

2.4 Star Slots

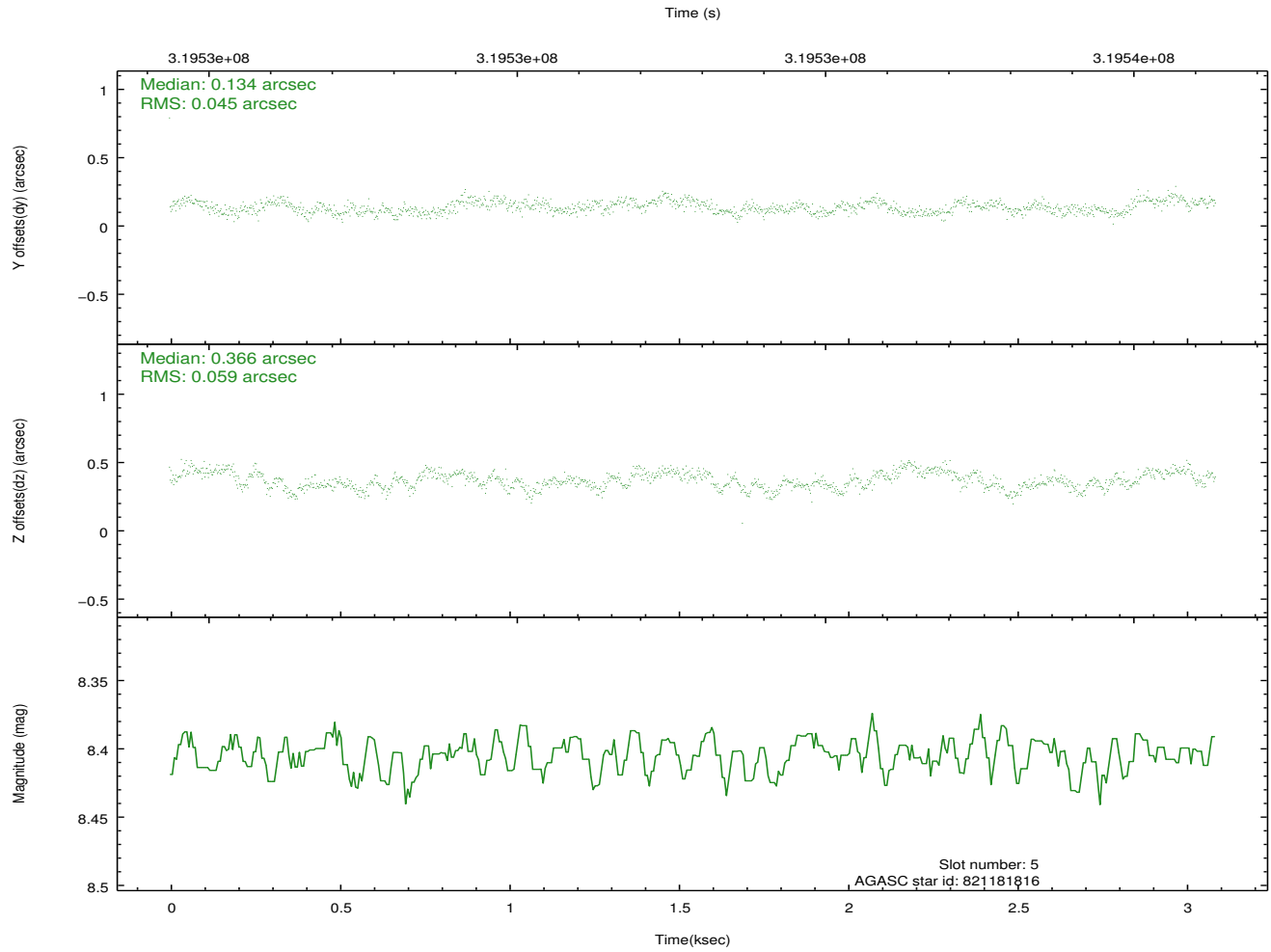
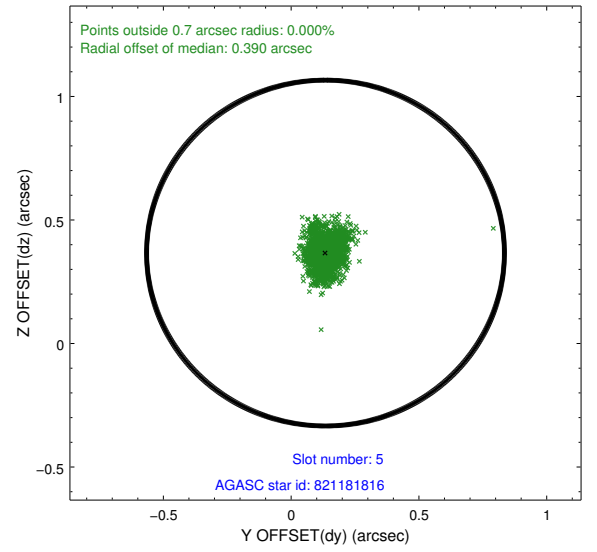
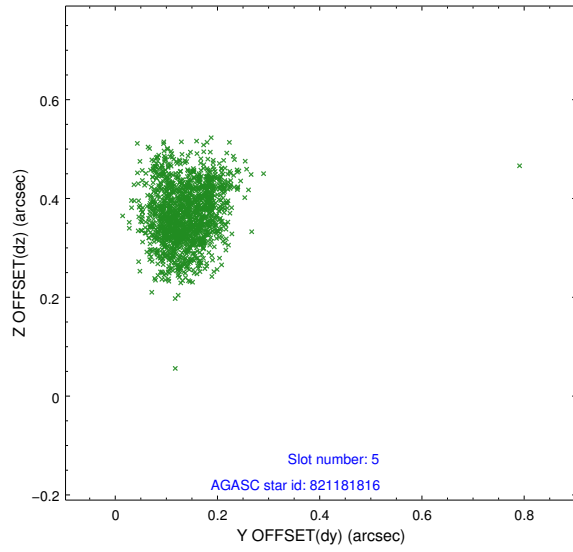
2.4.1 Slot 3



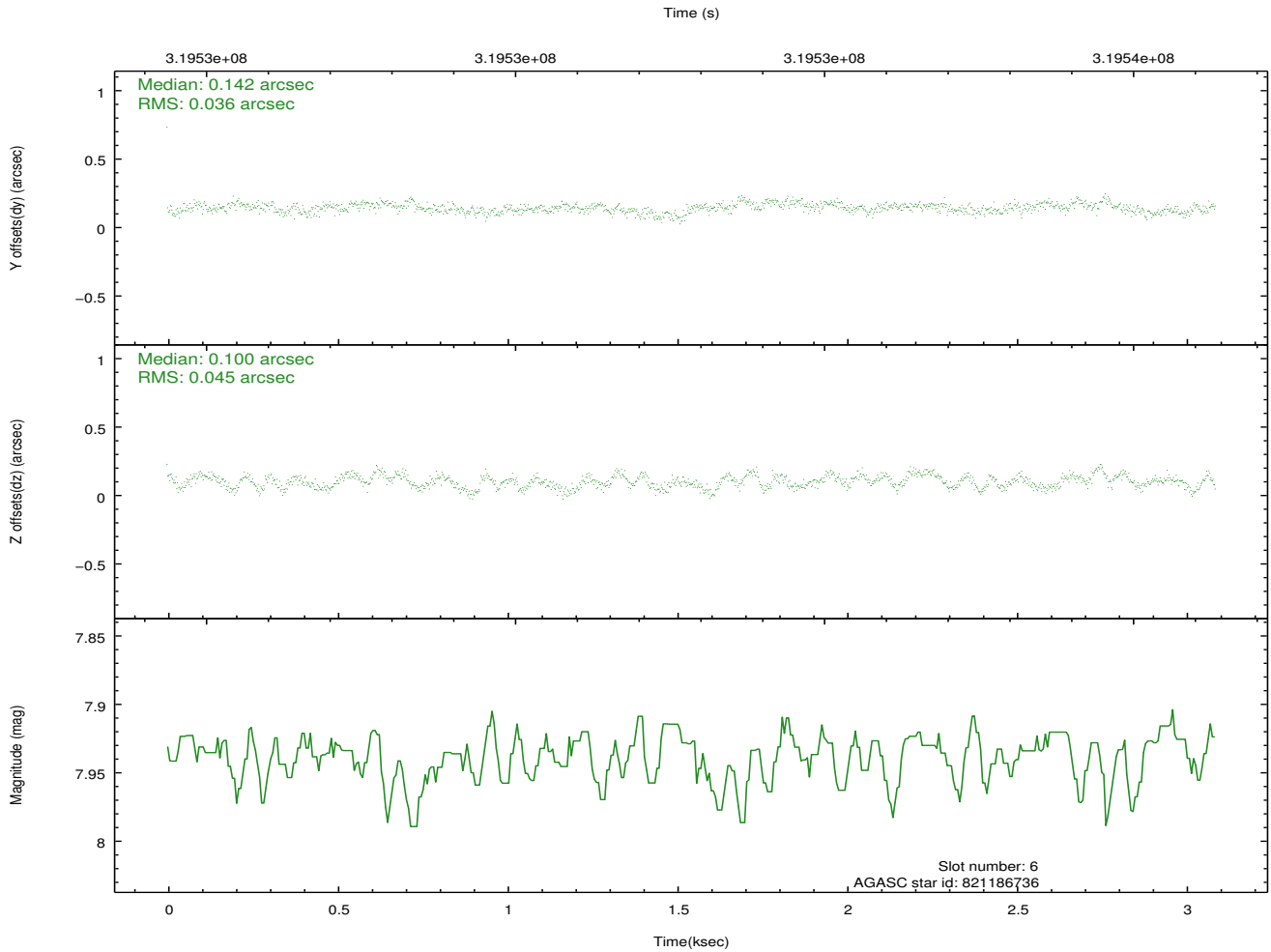
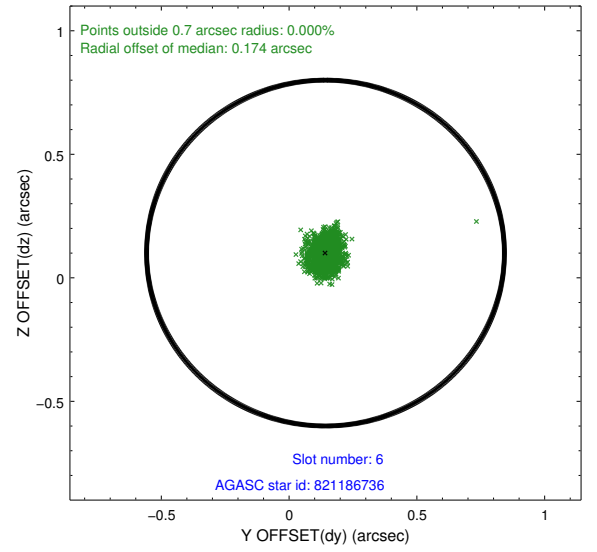
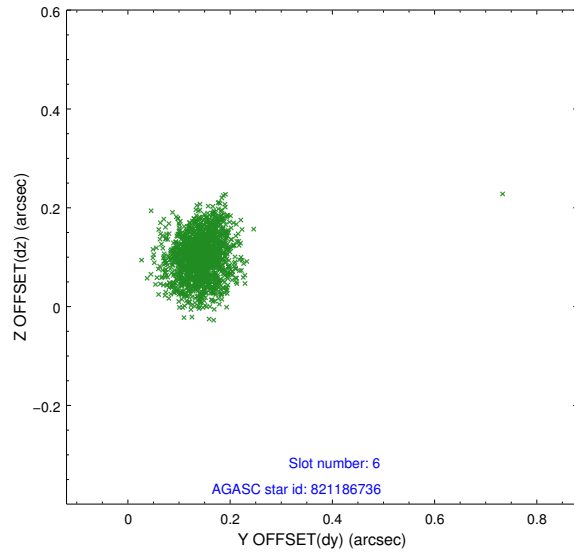
2.4.2 Slot 4



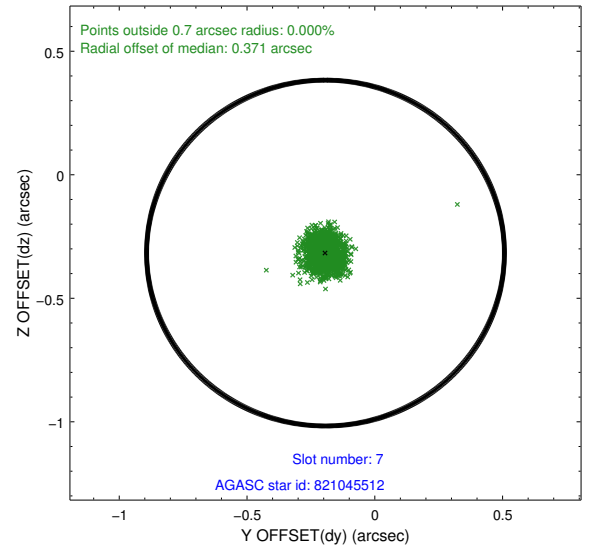
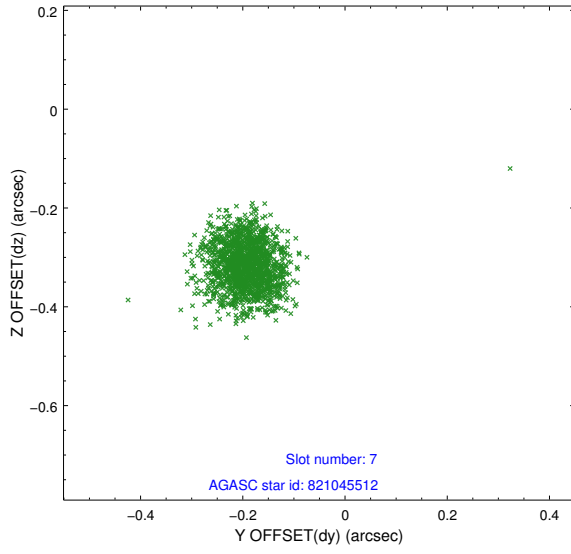
2.4.3 Slot 5



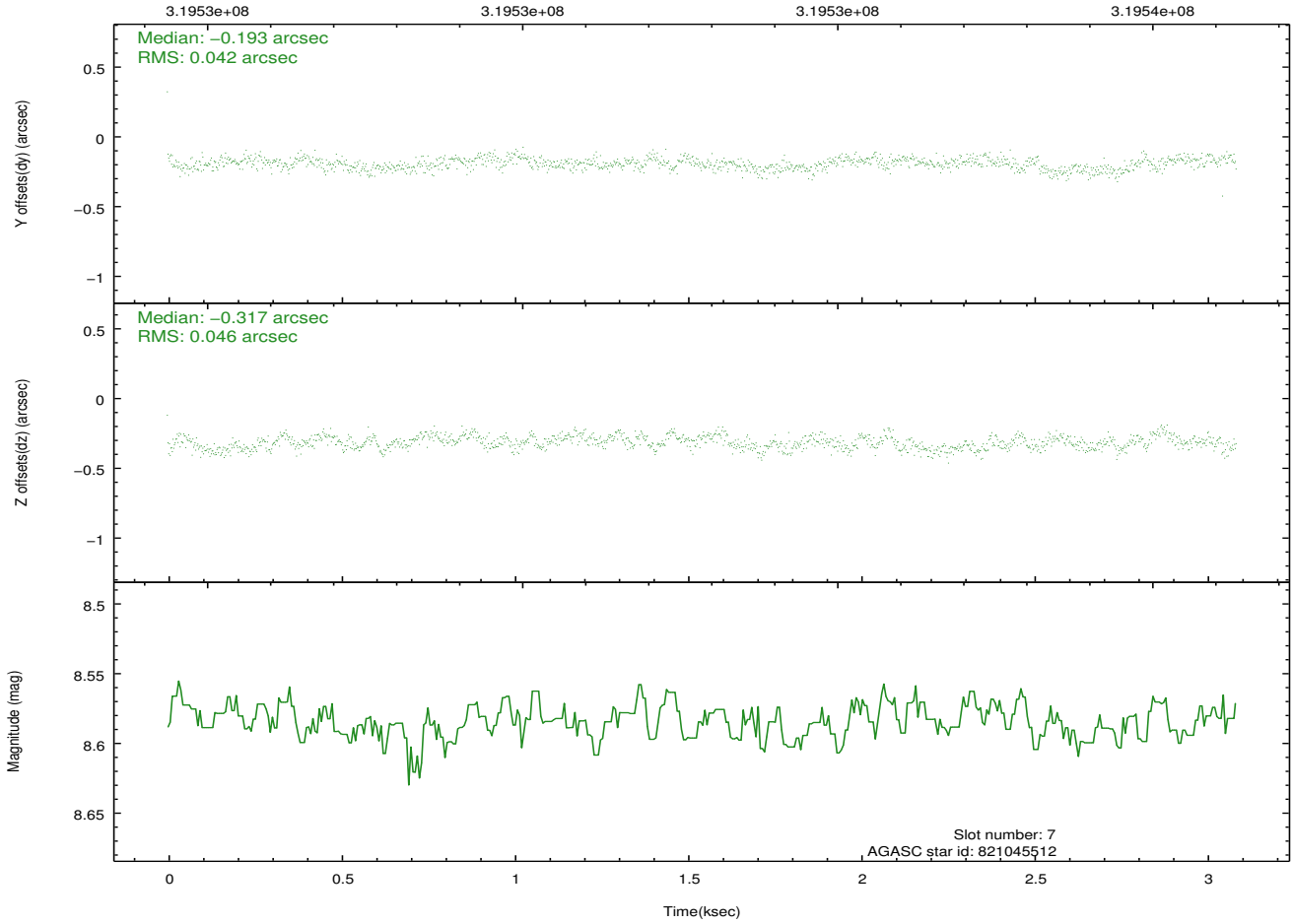
2.4.4 Slot 6



2.4.5 Slot 7

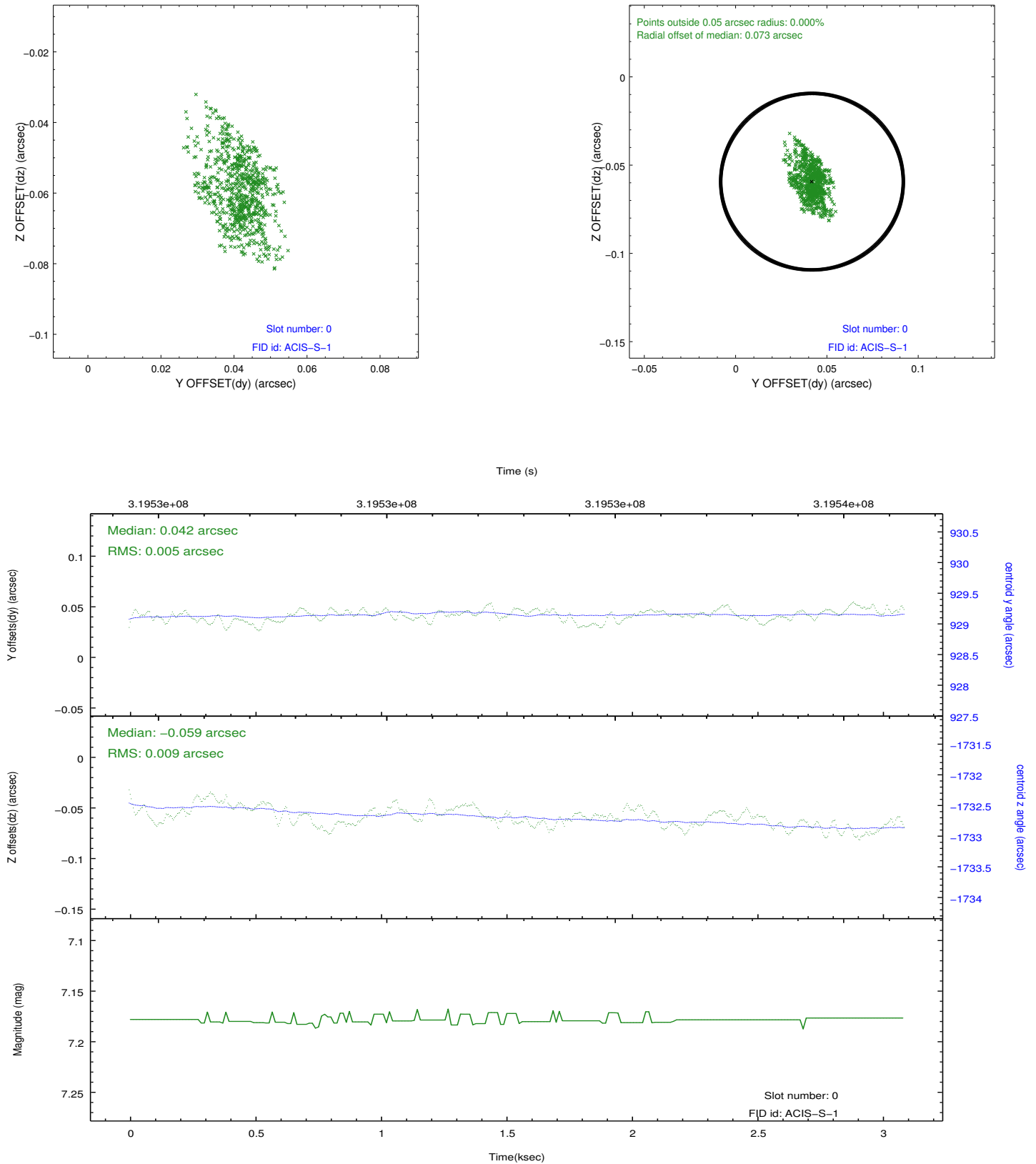


Time (s)

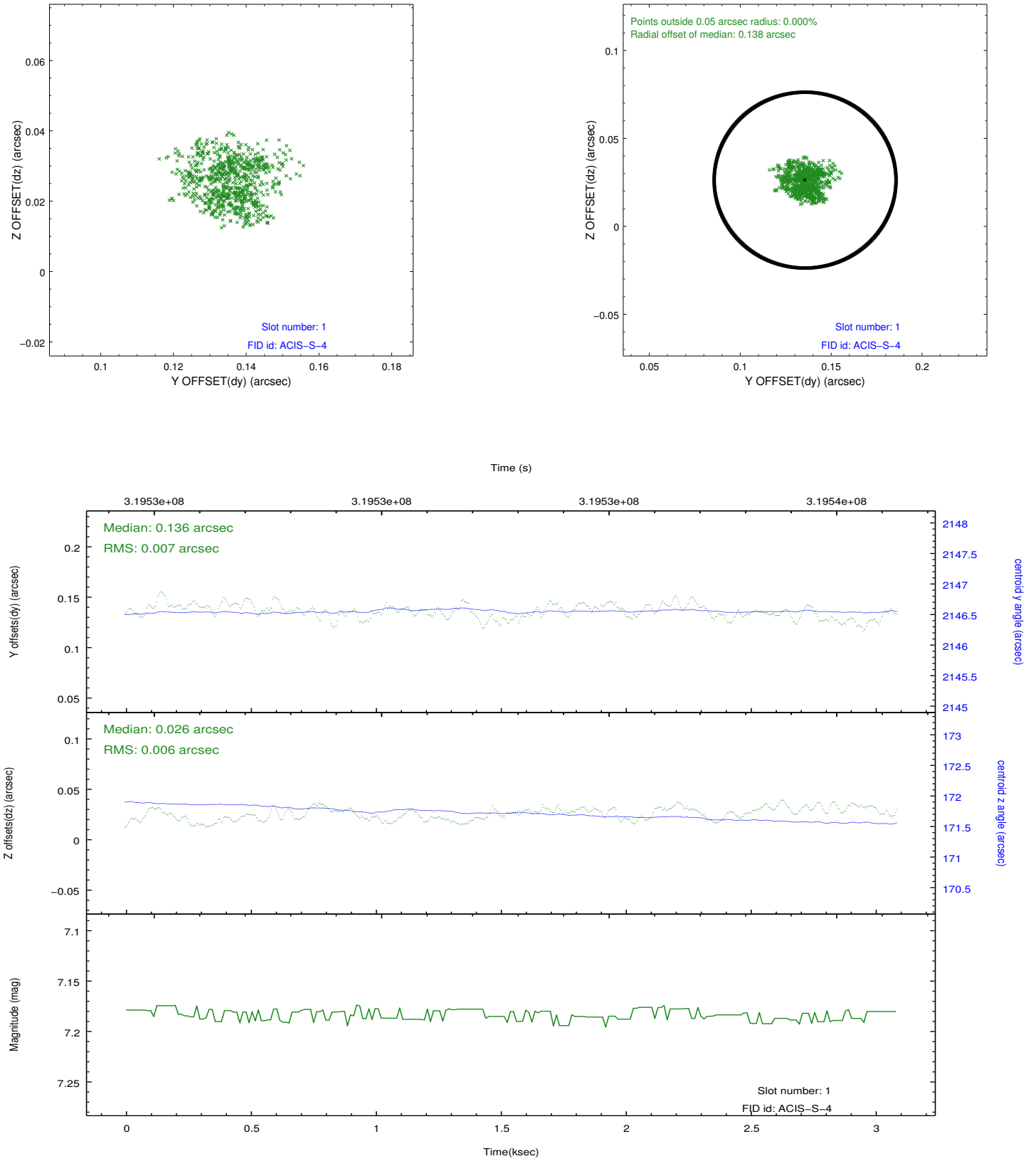


2.5 FID Slots

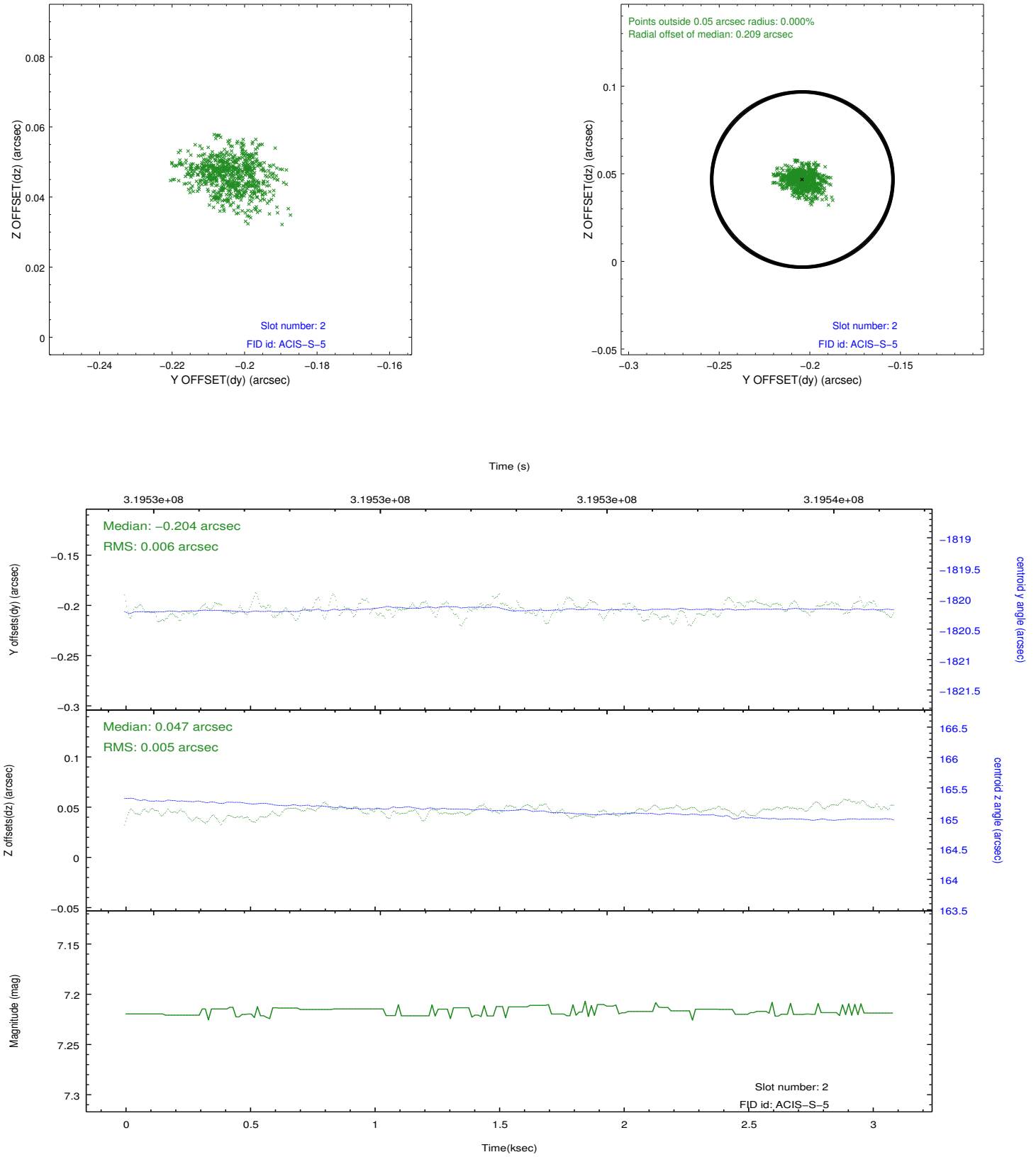
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.65919999

A.2 Comments