

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12686 - L2 Version 2
Chandra X-Ray Center

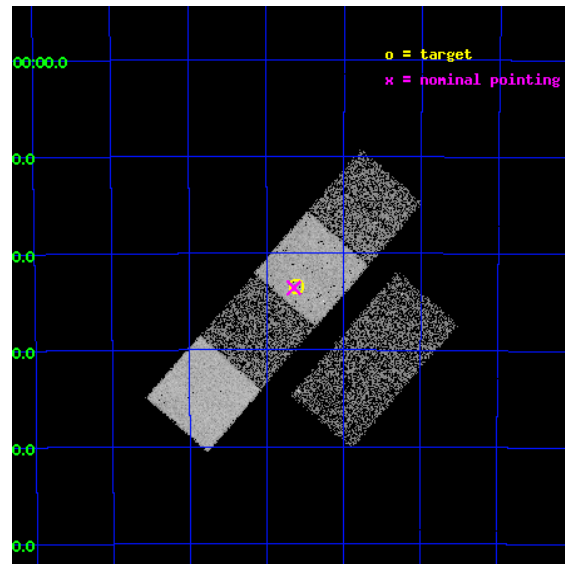
L2 Processing Date : Feb 11 2012

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1 Front

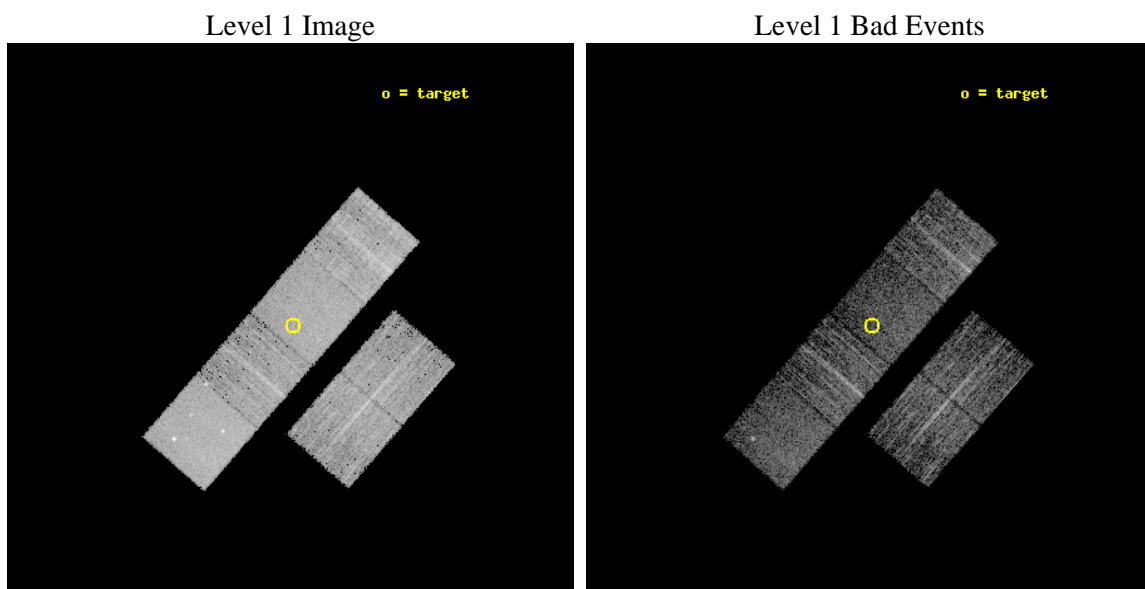
seq_num	501519	Sequence number
obs_id	12686	Observation id
title	Hunting for Anti-magnetars with Chandra	Proposal title
observer	Dr Chi-Yung Ng	Principal investigator
object	PSR J1425-5723	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.4025	Observer's specified target RA [deg]
dec_targ	-57.391889	Observer's specified target Dec [deg]
ra_nom	216.41120664775	Nominal RA [deg]
dec_nom	-57.393246704576	Nominal Dec [deg]
roll_nom	311.12817483532	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5052.7999812365	Sum of GTIs [s]
livetime	4988.8183854432	Livetime [s]
ontime2	5052.7999812365	Sum of GTIs [s]
ontime3	5052.7999812365	Sum of GTIs [s]
ontime5	5052.7999812365	Sum of GTIs [s]
ontime6	5052.7999812365	Sum of GTIs [s]
ontime7	5052.7999812365	Sum of GTIs [s]
ontime8	5052.7999812365	Sum of GTIs [s]
l2events	55243	Number of level 2 events



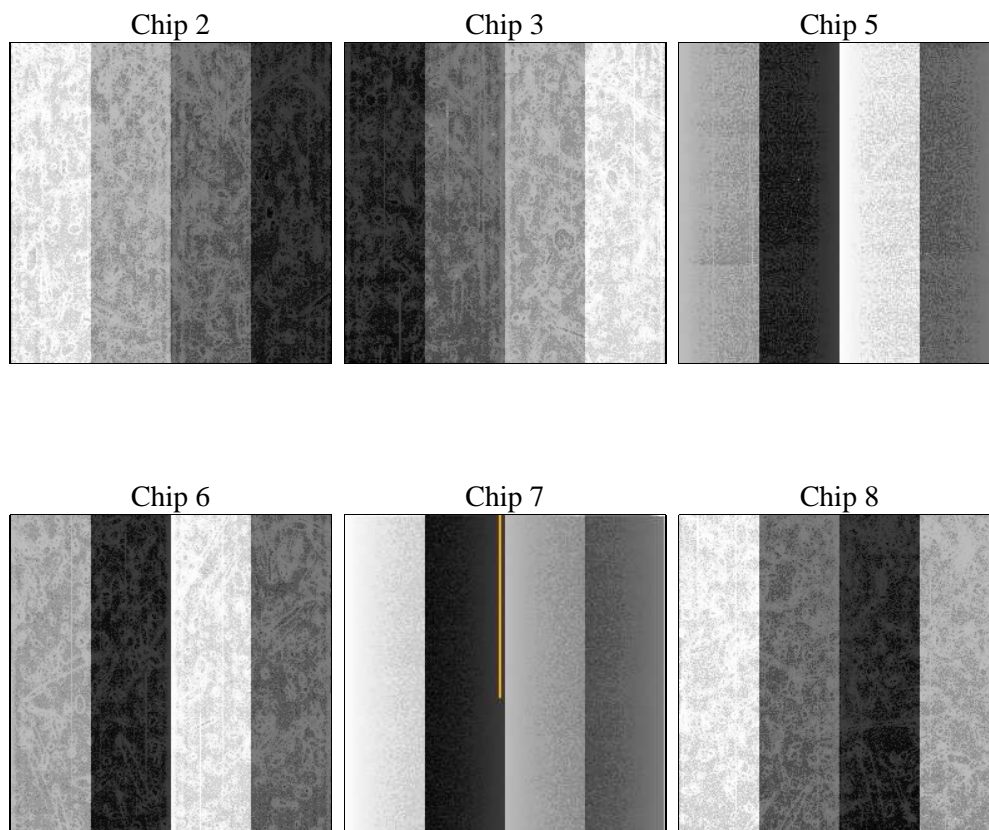
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5052.7999812365	Sum of GTIs [s]
caldbver	4.4.7	 	ontime2	5052.7999812365	Sum of GTIs [s]
date	2012-02-11T16:32:47	Date and time of file creation	ontime3	5052.7999812365	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5052.7999812365	Sum of GTIs [s]
			ontime6	5052.7999812365	Sum of GTIs [s]
			ontime7	5052.7999812365	Sum of GTIs [s]
			ontime8	5052.7999812365	Sum of GTIs [s]
			l1events	237160	Number of level 1 events

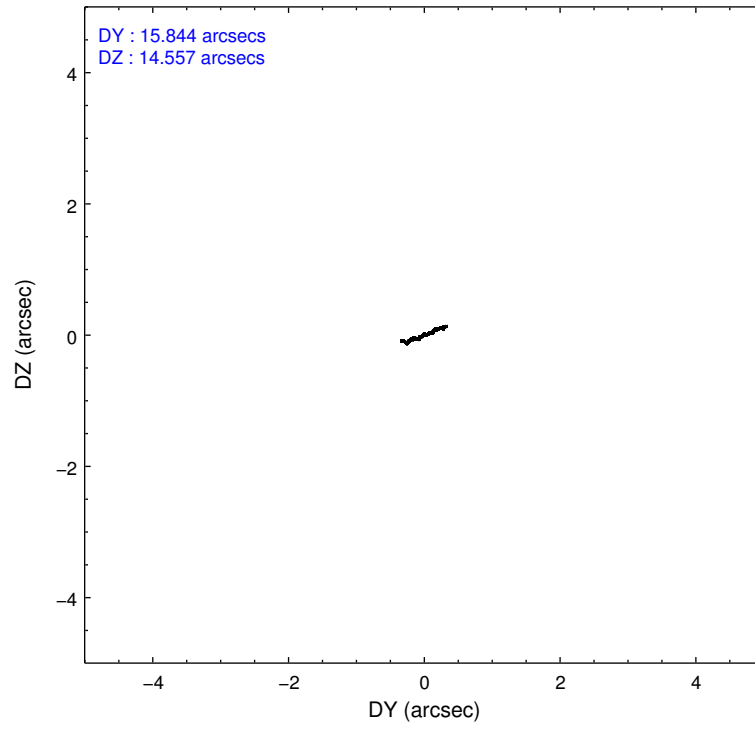
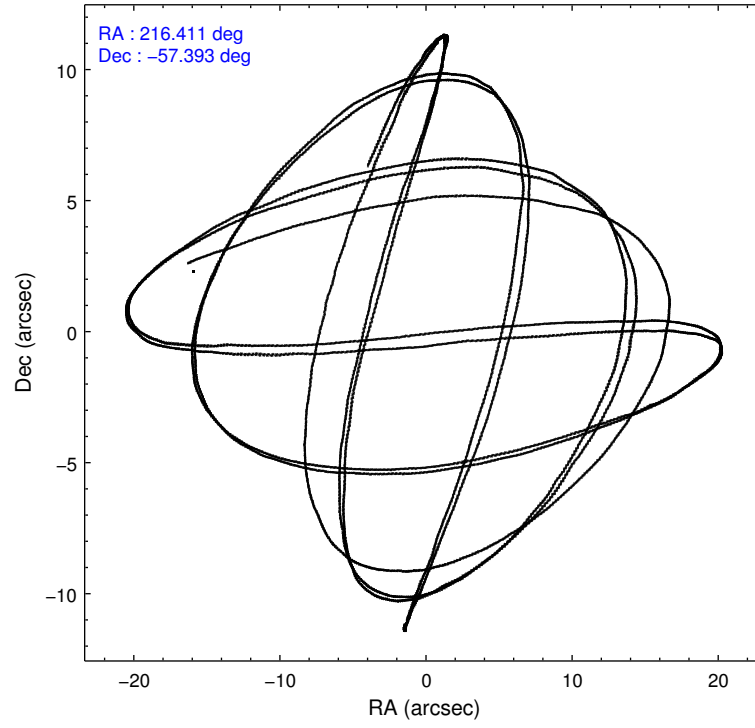
2.1.4 Events

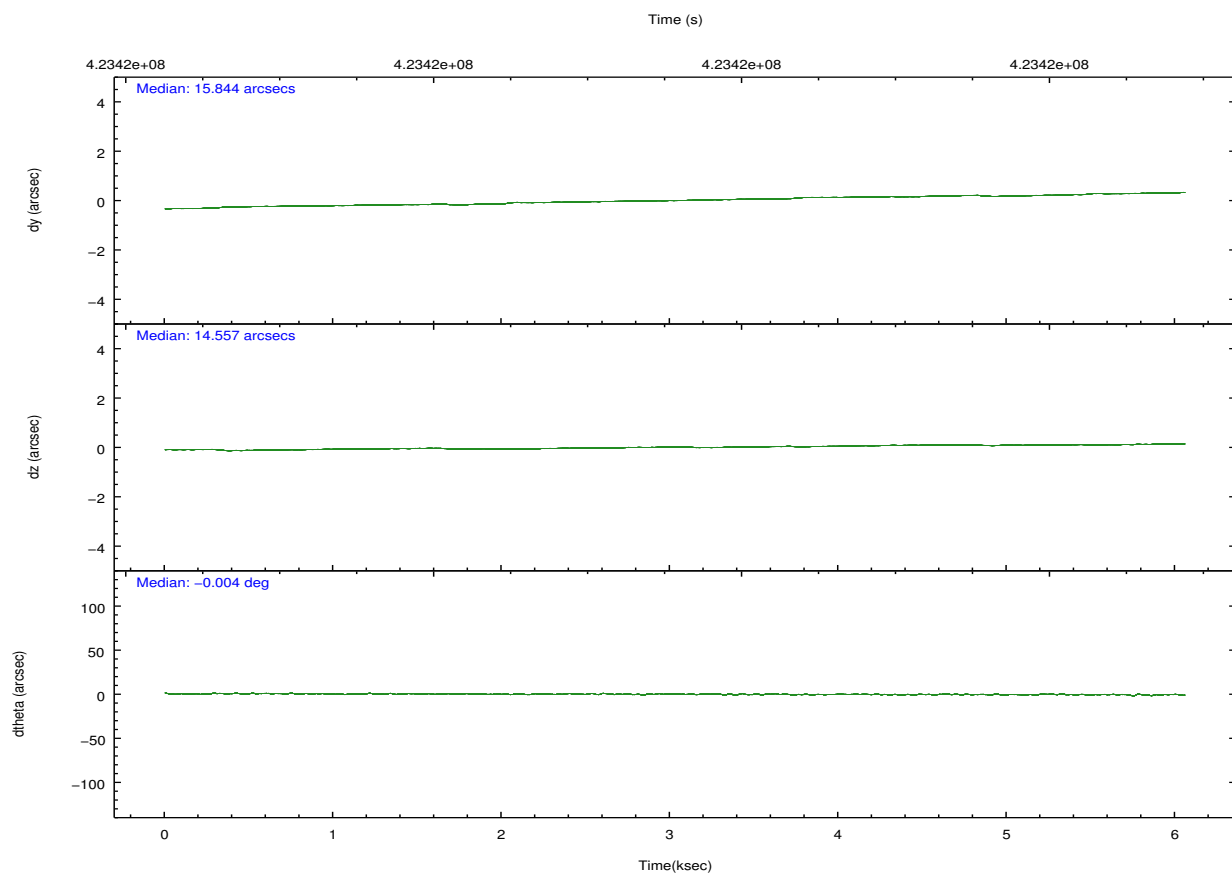
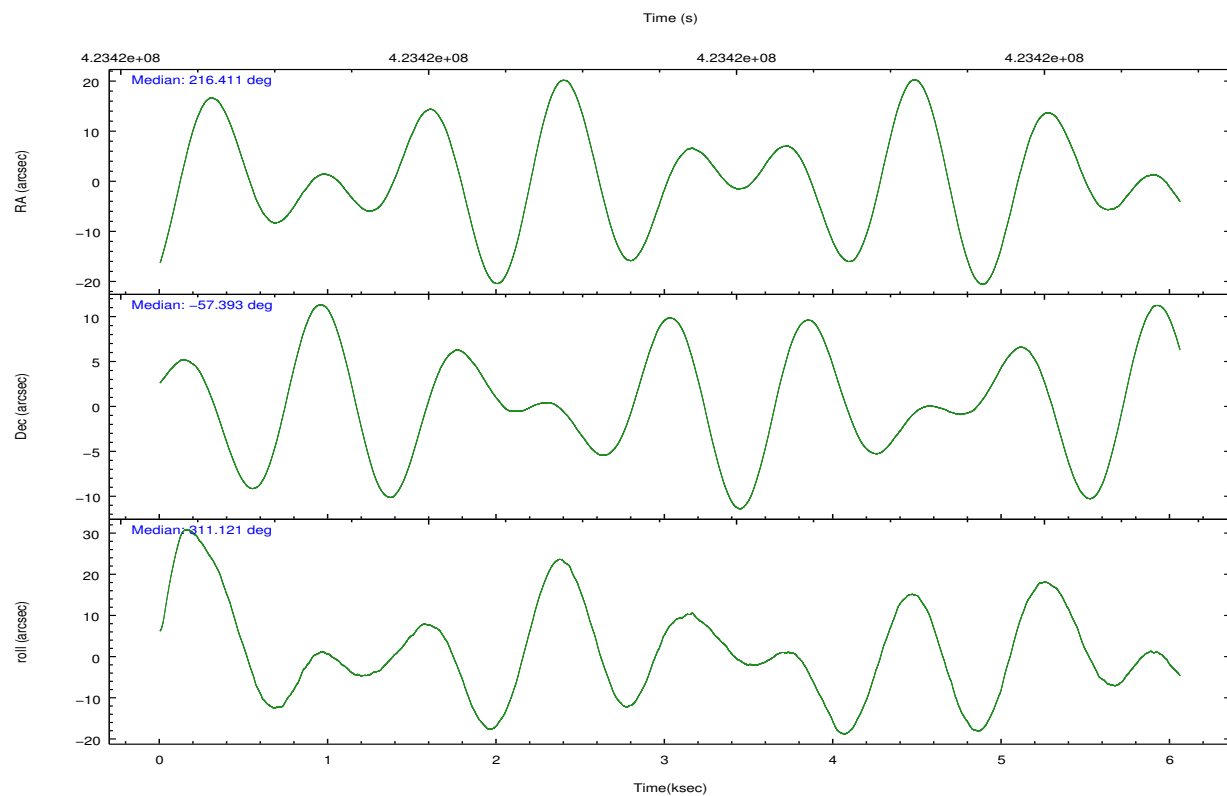
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33158	30601	52137	33121	41795	46348	grade 0 events	1361	1250	2623	1483	1763	4876
rejected events	29492	27234	26440	29196	23163	31669		4%	4%	5%	4%	4%	10%
rejected %	88%	88%	50%	88%	55%	68%	grade 1 events	13	26	99	14	56	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	886	702	7944	864	3852	2888
								2%	2%	15%	2%	9%	6%
							grade 3 events	348	374	1036	361	1626	2094
								1%	1%	1%	1%	3%	4%
							grade 4 events	376	367	957	361	1626	1833
								1%	1%	1%	1%	3%	3%
							grade 5 events	1407	1519	4009	1572	4320	2224
								4%	4%	7%	4%	10%	4%
							grade 6 events	699	685	13175	865	9792	3001
								2%	2%	25%	2%	23%	6%
							grade 7 events	28068	25678	22294	27601	18760	29387
								84%	83%	42%	83%	44%	63%

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	216.362873	216.4112066477506	CCD I2 on	Y	Y
[deg] Pointing Dec	-57.384834	-57.3932467045756	CCD I3 on	Y	Y
[deg] Pointing Roll	310.930823	311.1281748353165	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	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	O1	Y
[s] Observation start time (MET)	423417606.184000	423416163.21851	CCD S5 on	N	N
Observation start date	2011-06-02T15:59:00	2011-06-02T15:36:03	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	423422606.184000	423423008.68137	On-chip summing requested	N	N
Observation end date	2011-06-02T17:22:20	2011-06-02T17:30:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



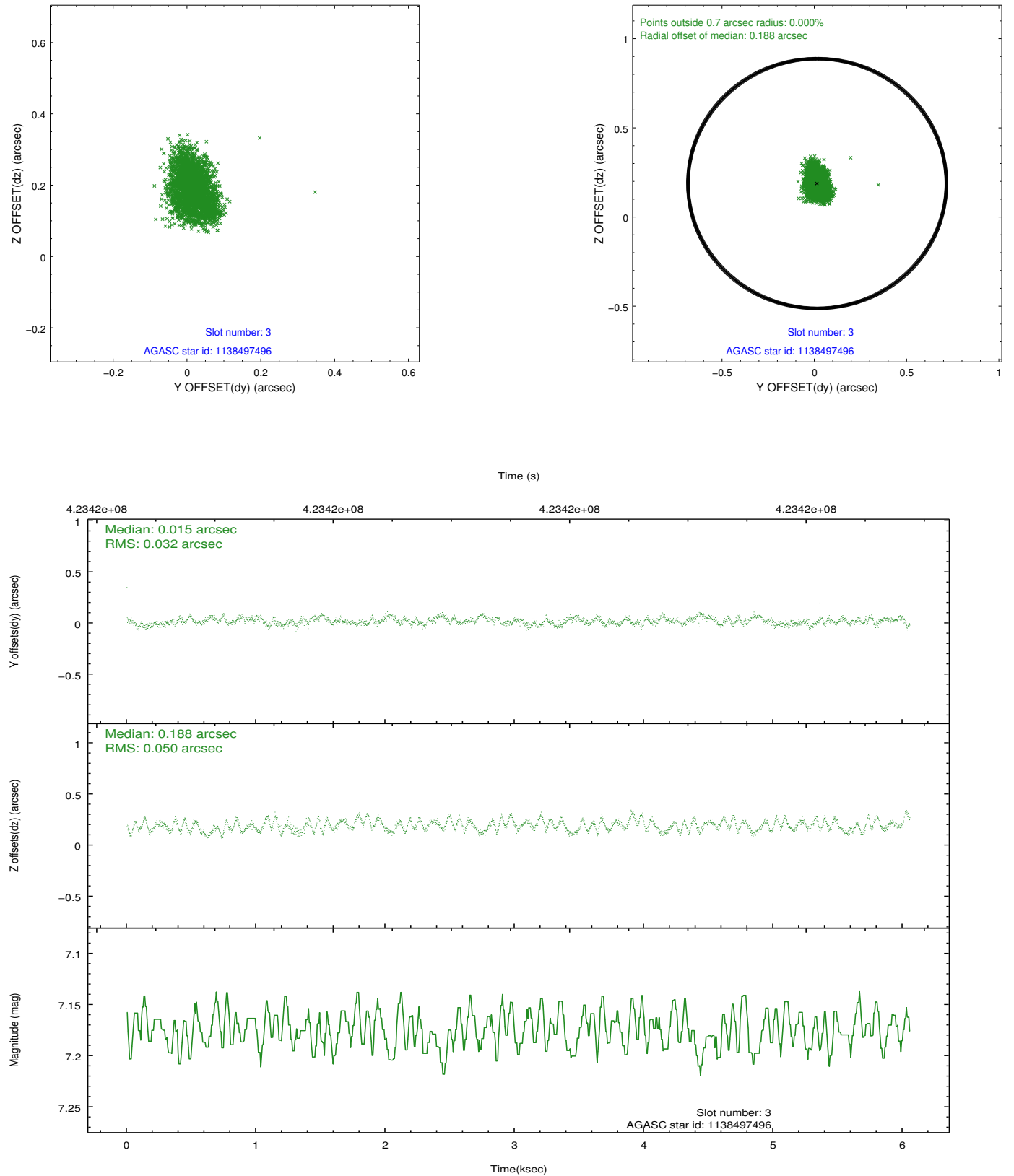


Slot Statistics

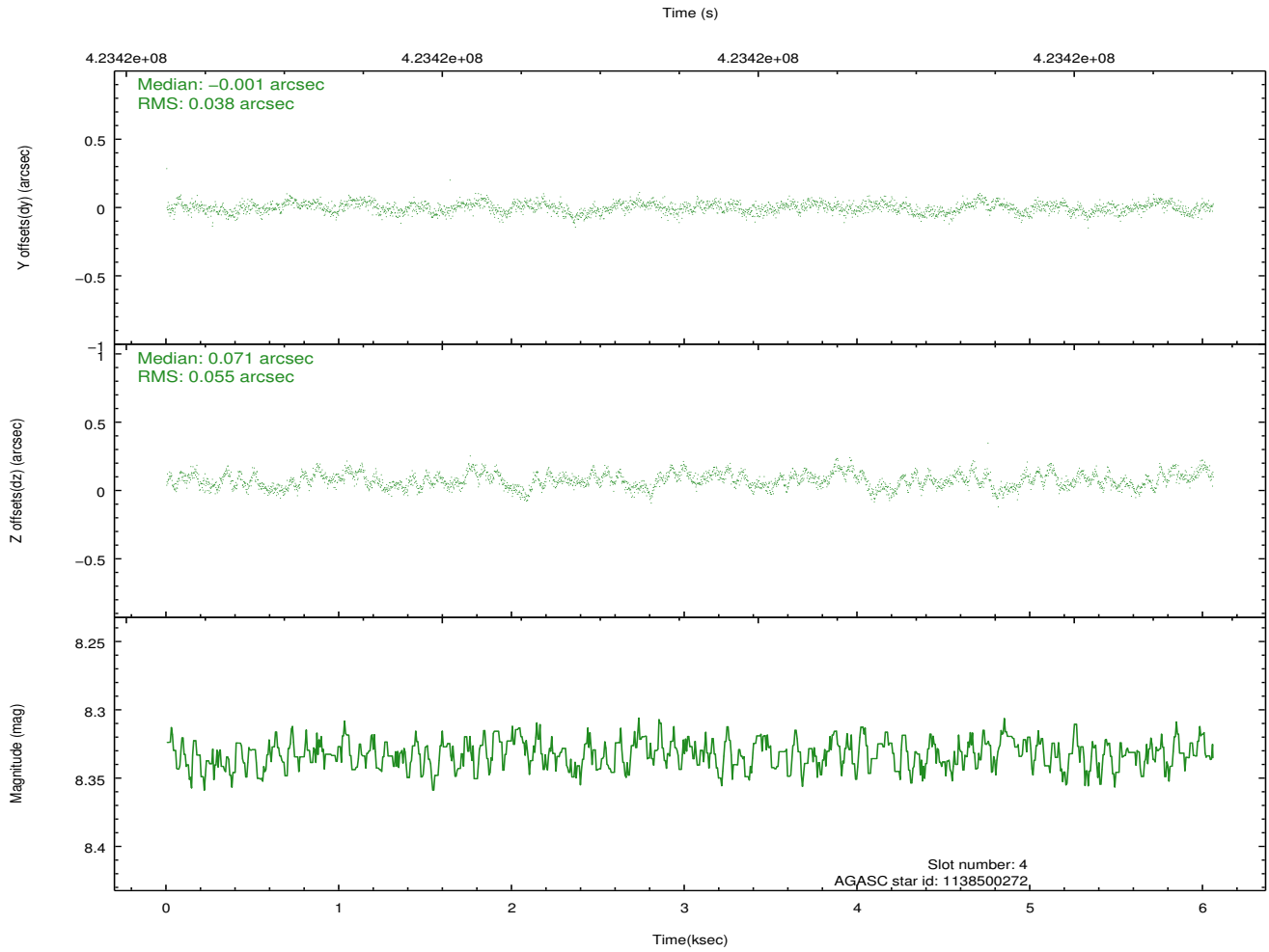
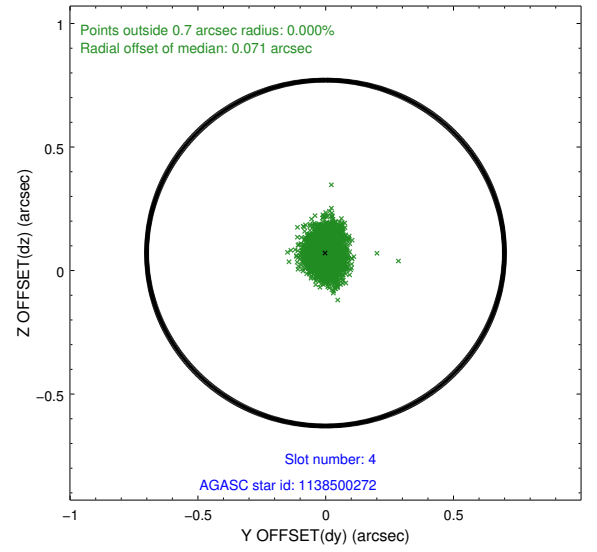
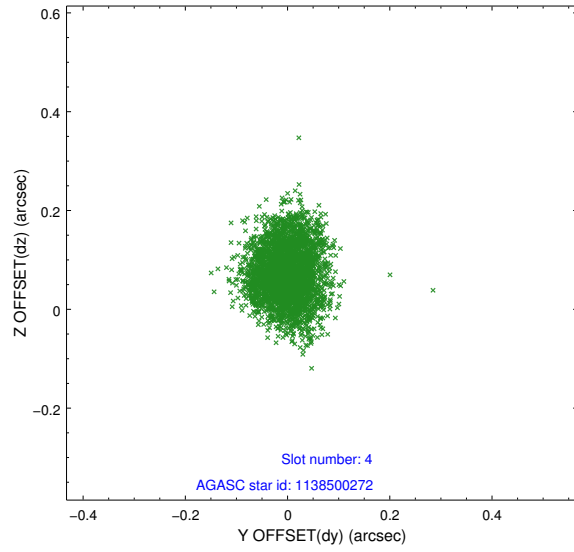
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	1478	-0.093	-0.039	0.009	0.019	0.000000	0.000000	-768.92	-1735.92
1	FID	ACIS-S-4	7.01	1477	0.189	0.055	0.008	0.024	0.000000	0.000000	2144.18	171.65
2	FID	ACIS-S-5	7.04	1478	-0.128	-0.007	0.010	0.025	0.000000	0.000000	-1820.56	166.36
3	GUIDE	1138497496	7.18	2956	0.015	0.188	0.063	0.101	214.805790	-57.422561	-1847.77	-2392.23
4	GUIDE	1138500272	8.33	2956	-0.001	0.071	0.072	0.114	215.626616	-57.250988	-1297.73	-773.66
5	GUIDE	1138508344	9.05	2955	0.077	-0.128	0.088	0.141	216.014375	-56.830201	-1957.01	787.66
6	GUIDE	1138509568	7.30	2956	-0.121	0.016	0.047	0.075	216.463666	-56.922844	-1127.28	1239.18
7	GUIDE	1138639152	9.68	2950	0.029	-0.155	0.149	0.229	216.831617	-56.784810	-1024.25	2111.52

2.4 Star Slots

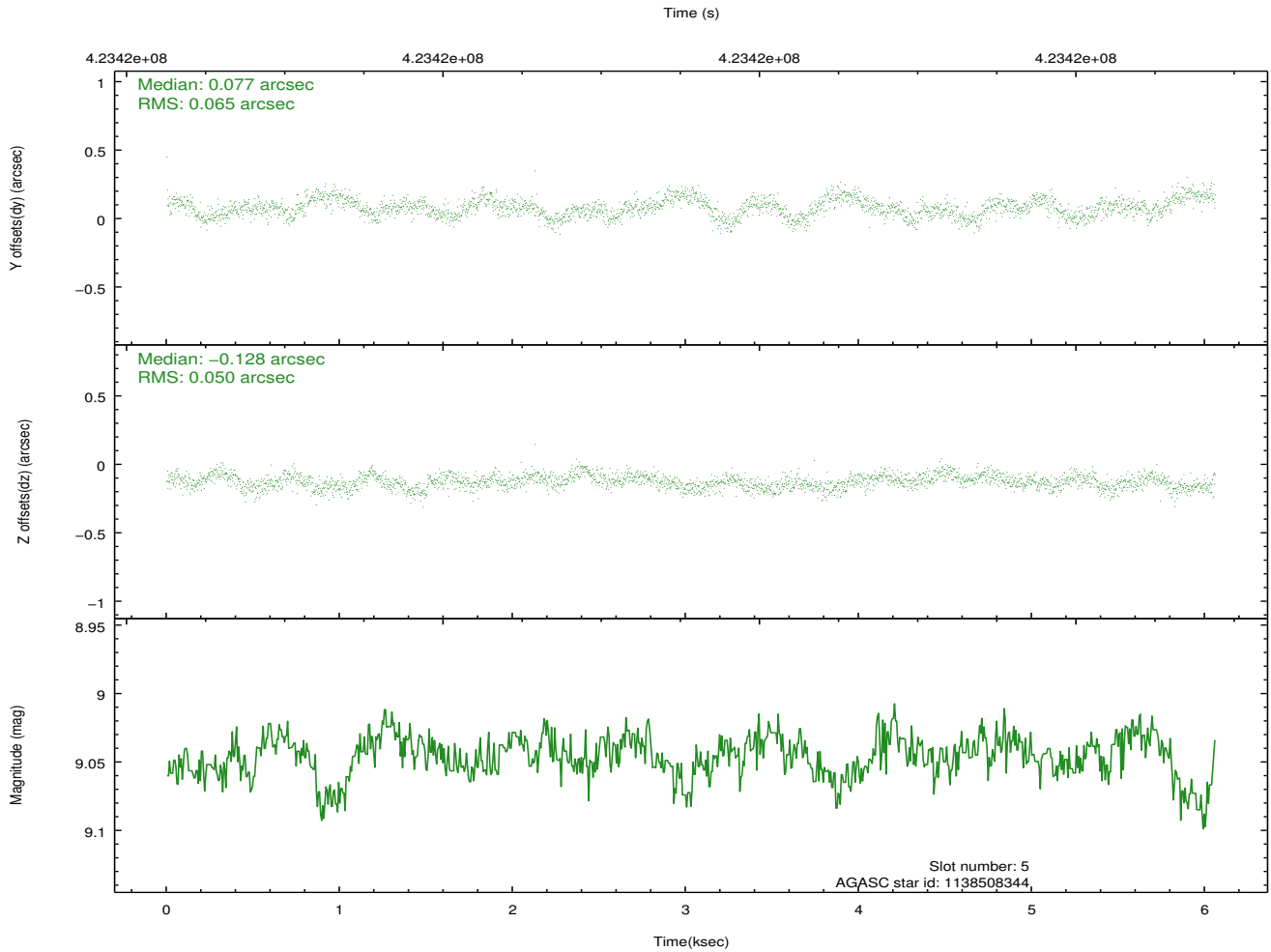
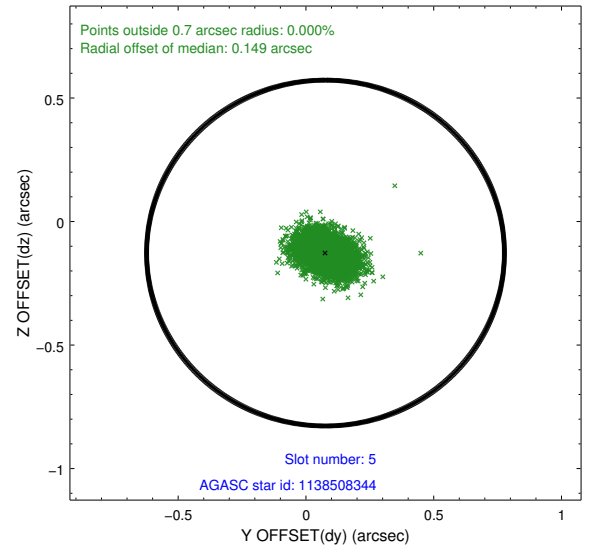
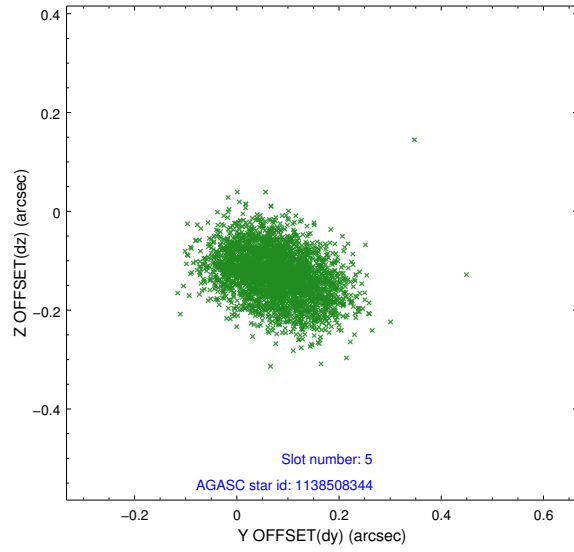
2.4.1 Slot 3



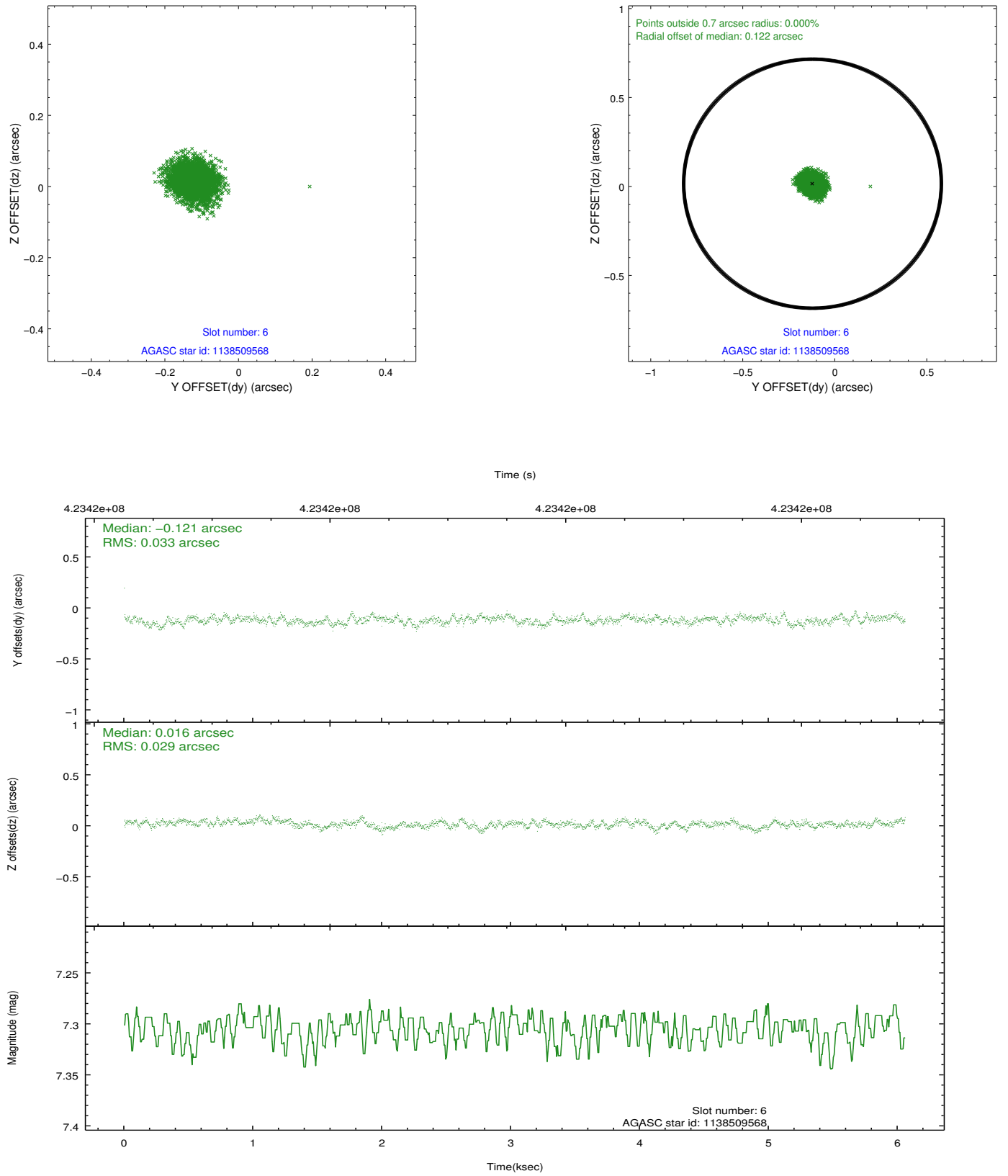
2.4.2 Slot 4



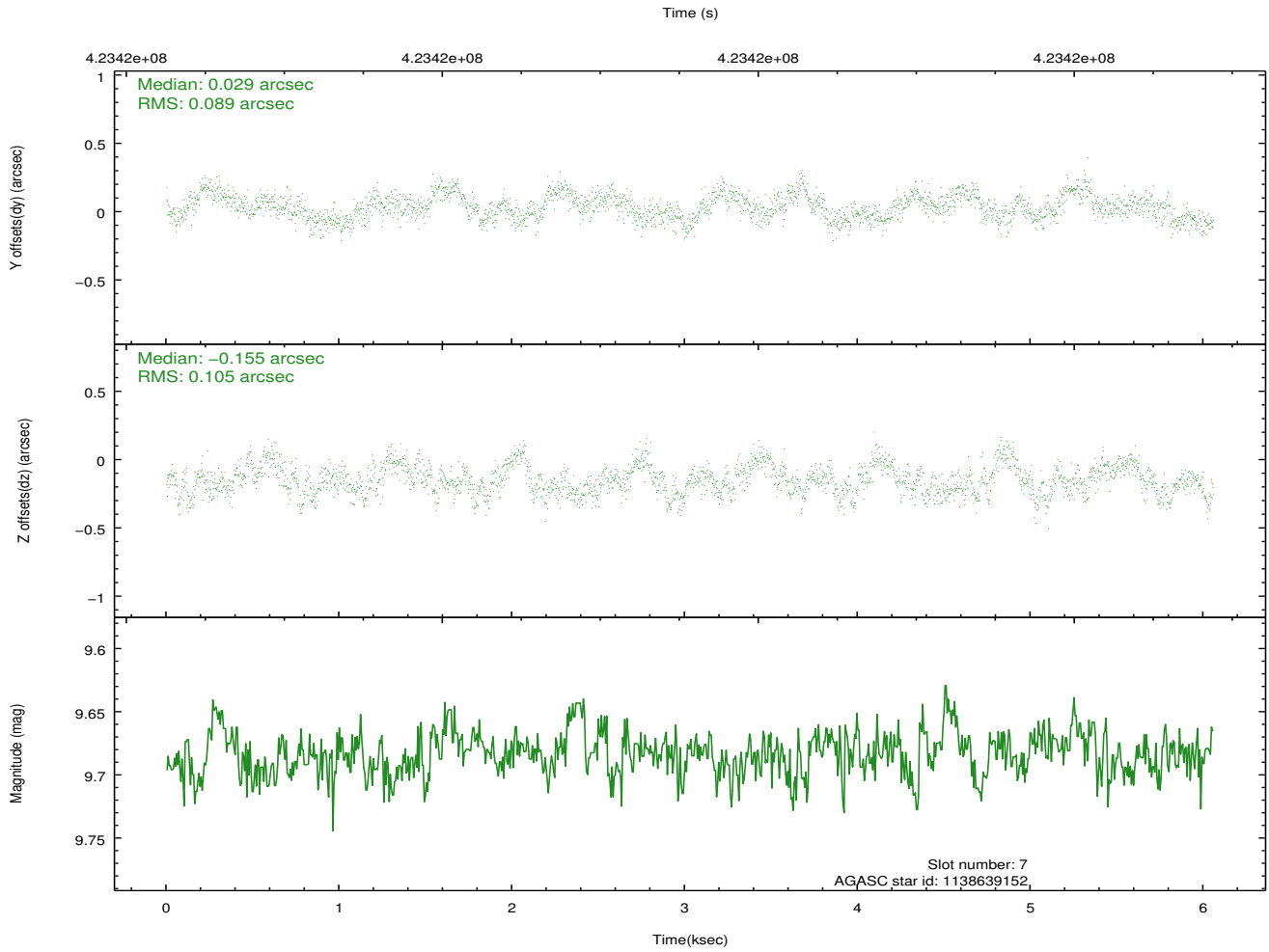
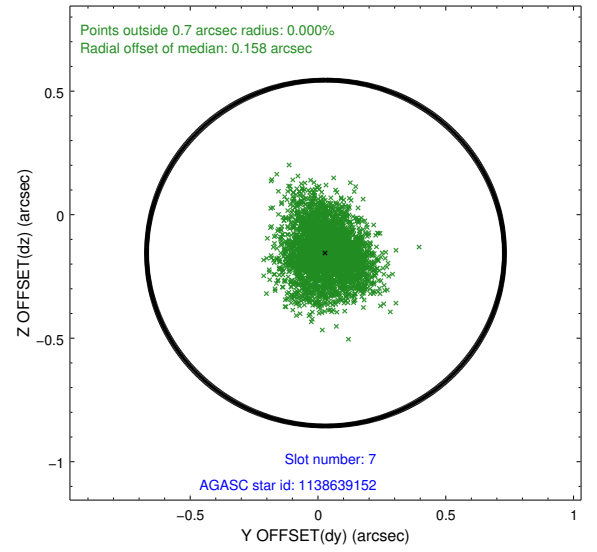
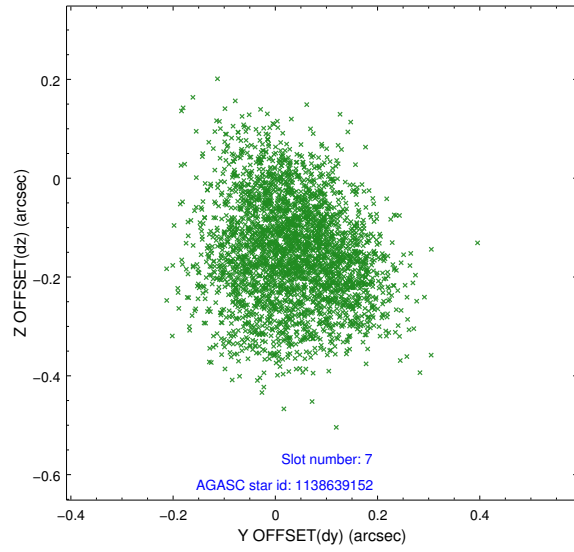
2.4.3 Slot 5



2.4.4 Slot 6

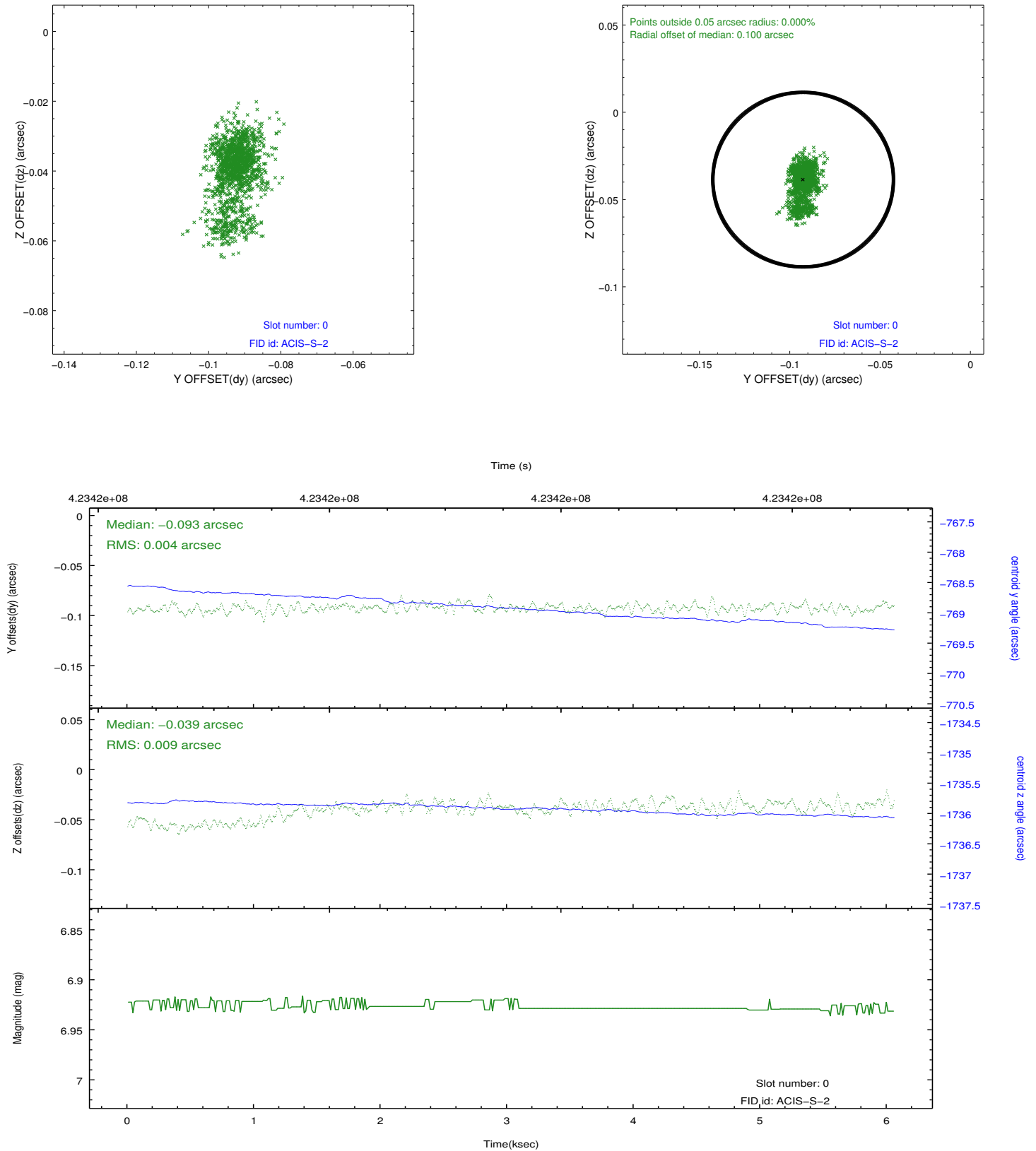


2.4.5 Slot 7

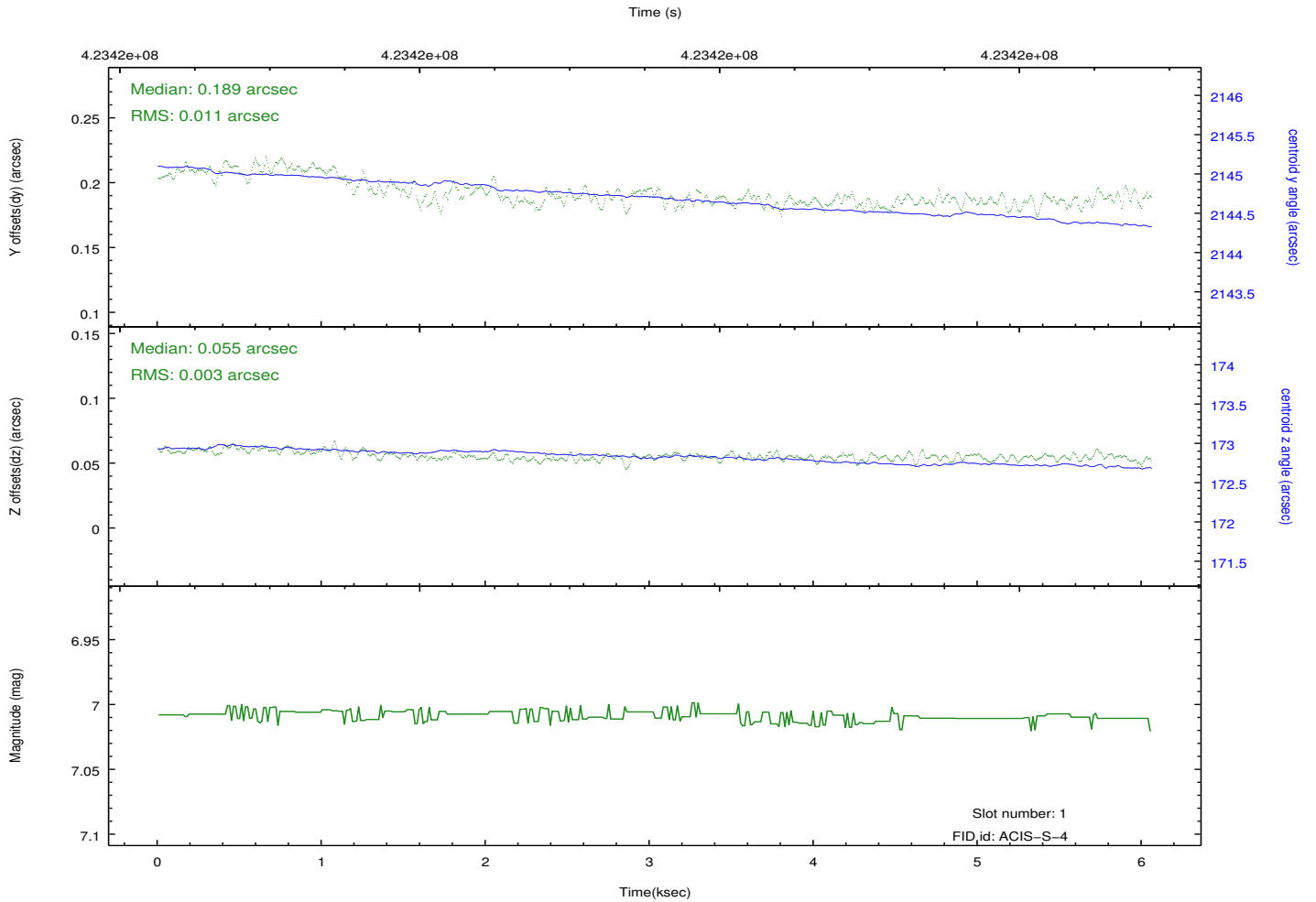
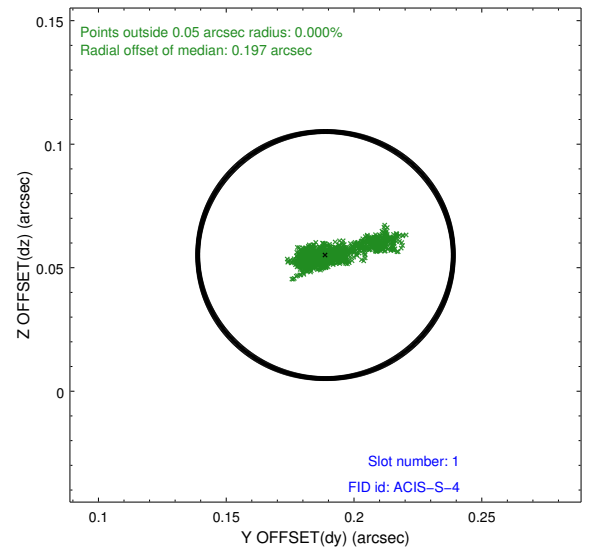
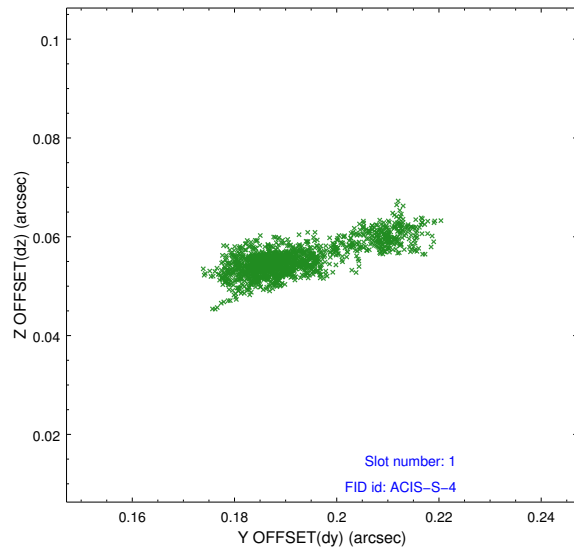


2.5 FID Slots

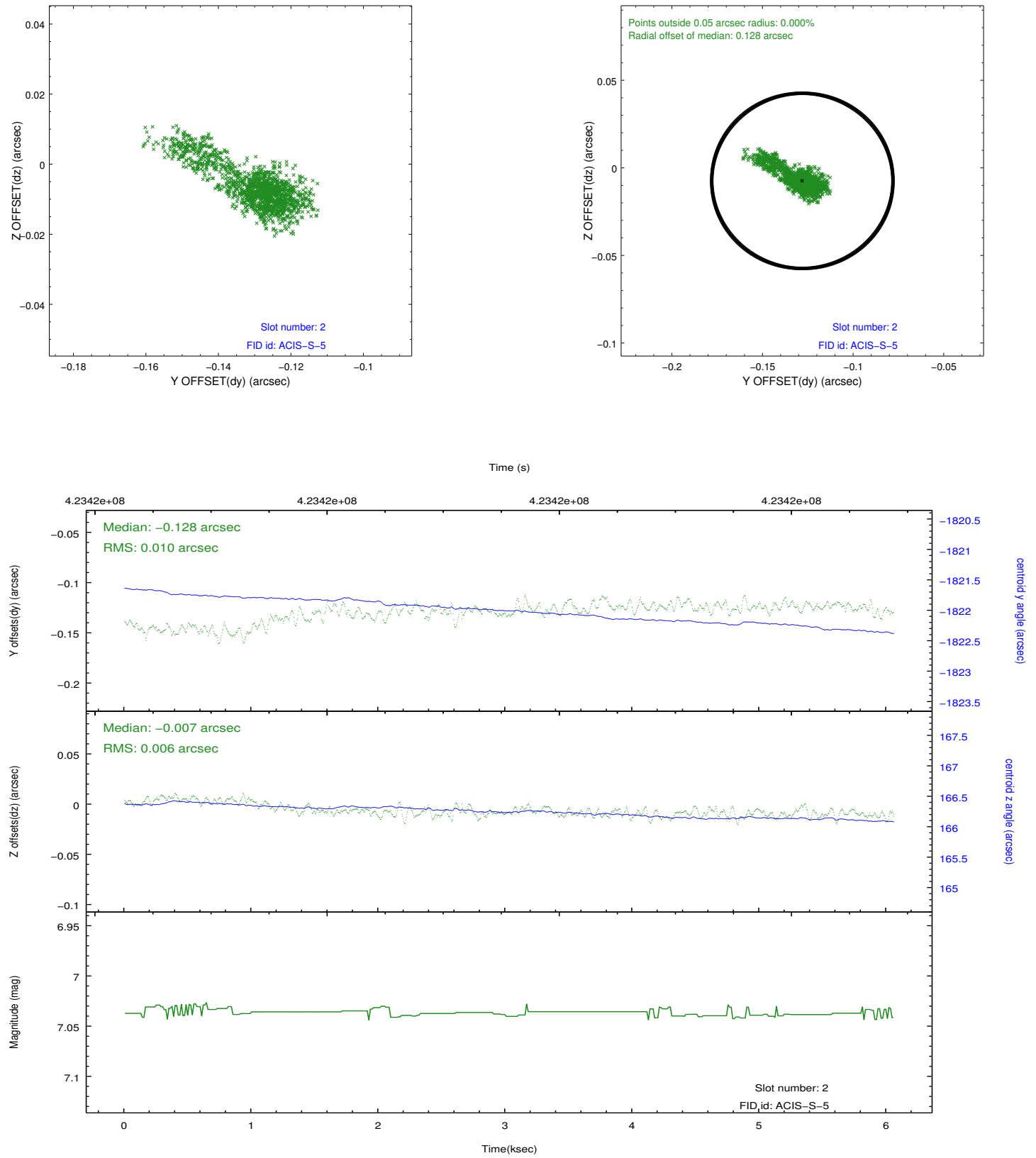
2.5.1 Slot 0



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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0527999812365

A.2 Comments