

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 16651 - L2 Version 1
Chandra X-Ray Center

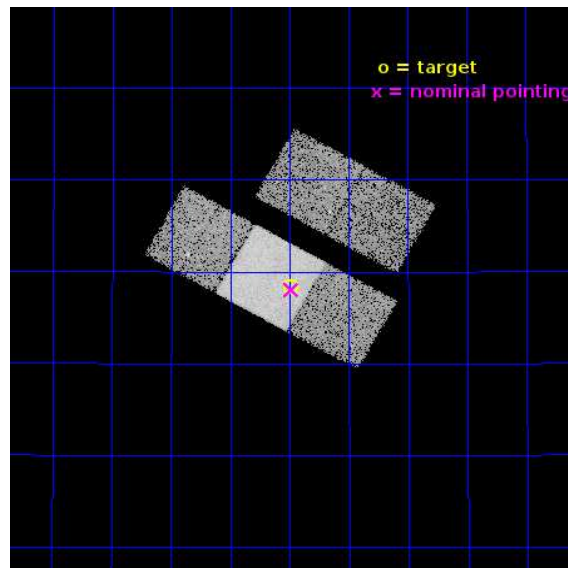
L2 Processing Date : Jun 18 2015

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1 Front

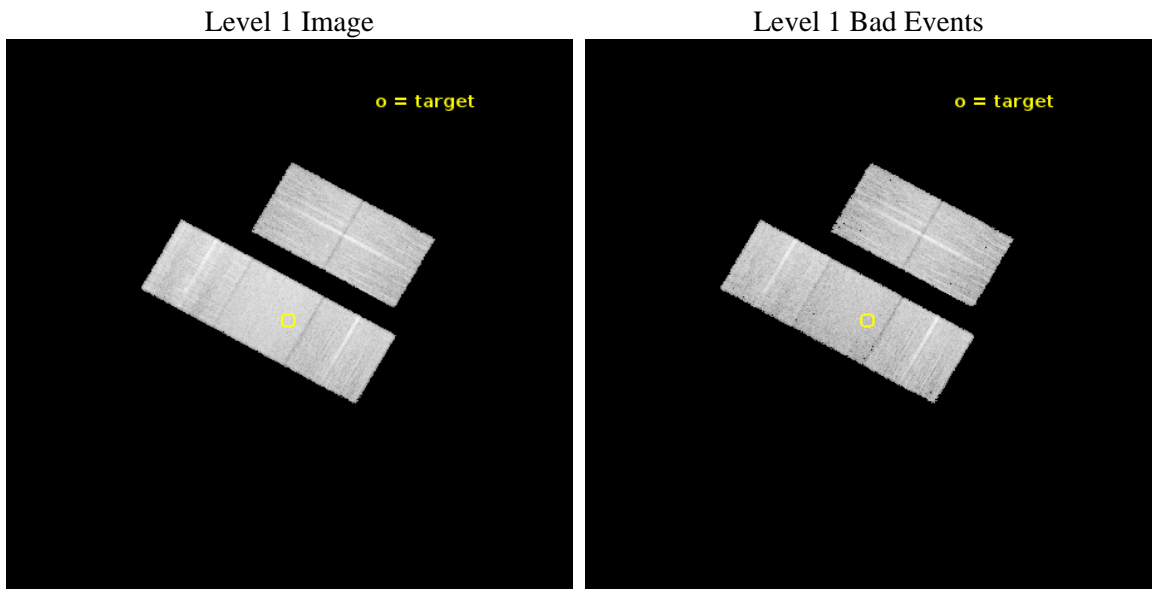
seq_num	200973	Sequence number
obs_id	16651	Observation id
title	Rejuvenation of the Innocent Bystander: Testing Spin-Up in a Dwarf Carbon Star Sample	Proposal title
observer	Dr. Paul Green	Principal investigator
object	SDSS J154859.72+341821.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.24875	Observer's specified target RA [deg]
dec_targ	34.306028	Observer's specified target Dec [deg]
ra_nom	237.24634263494	Nominal RA [deg]
dec_nom	34.300973651183	Nominal Dec [deg]
roll_nom	209.32300731726	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16231.194699645	Sum of GTIs [s]
livetime	16019.122191662	Livetime [s]
ontime2	16231.030539632	Sum of GTIs [s]
ontime3	16231.112619638	Sum of GTIs [s]
ontime6	16231.153659701	Sum of GTIs [s]
ontime7	16231.194699645	Sum of GTIs [s]
ontime8	16231.071579695	Sum of GTIs [s]
l2events	80252	Number of level 2 events



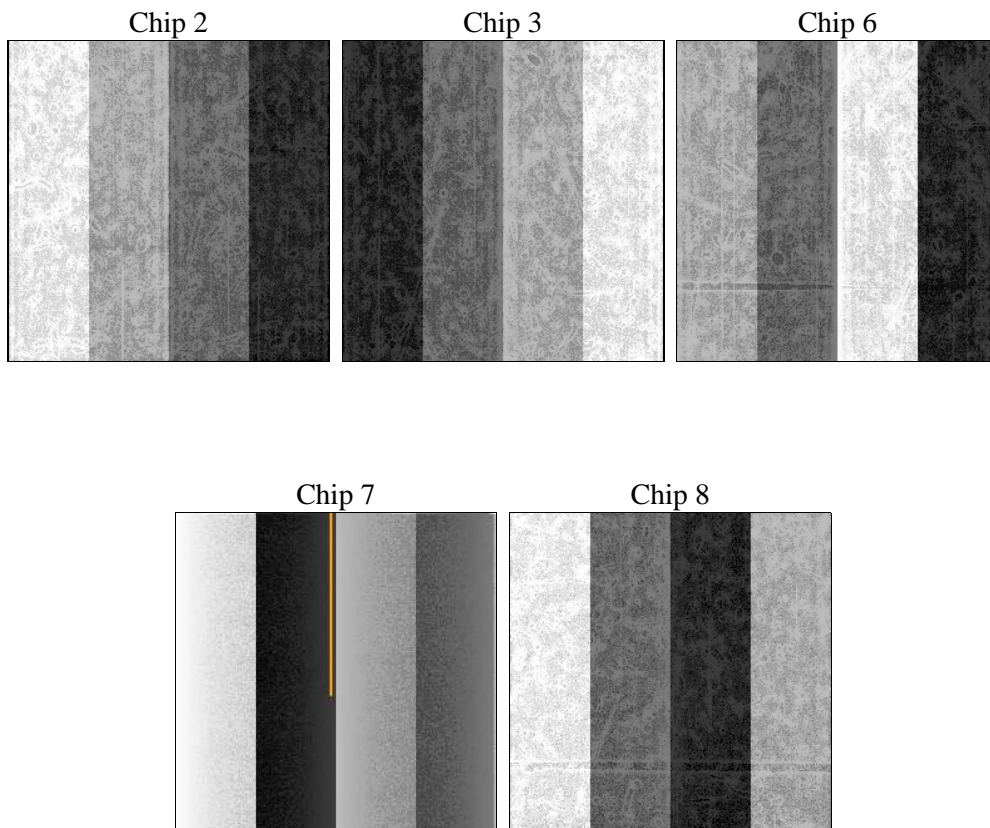
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16200.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	16231.194699645	Sum of GTIs [s]
caldsver	4.6.7	 	ontime2	16231.030539632	Sum of GTIs [s]
date	2015-06-18T06:44:02	Date and time of file creation	ontime3	16231.112619638	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	16231.153659701	Sum of GTIs [s]
			ontime7	16231.194699645	Sum of GTIs [s]
			ontime8	16231.071579695	Sum of GTIs [s]
			l1events	476303	Number of level 1 events

2.1.4 Events

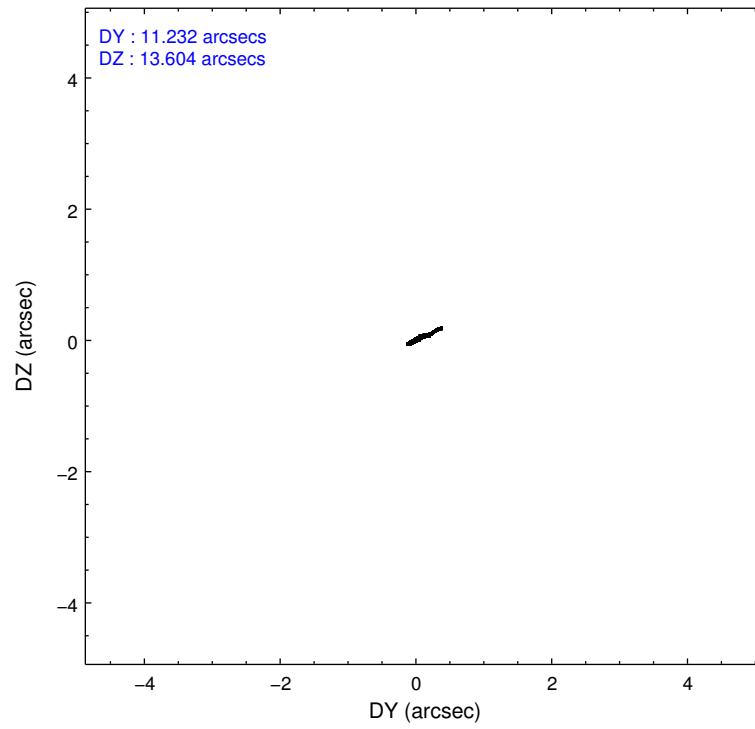
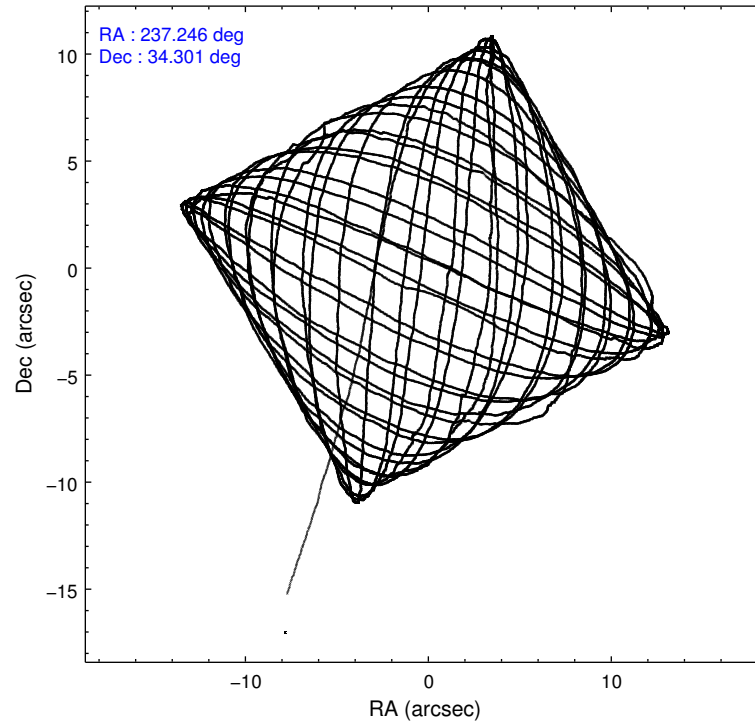
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	83087	81468	87307	113310	111131
rejected events	74203	72521	77475	65705	83052
rejected %	89%	89%	88%	57%	74%

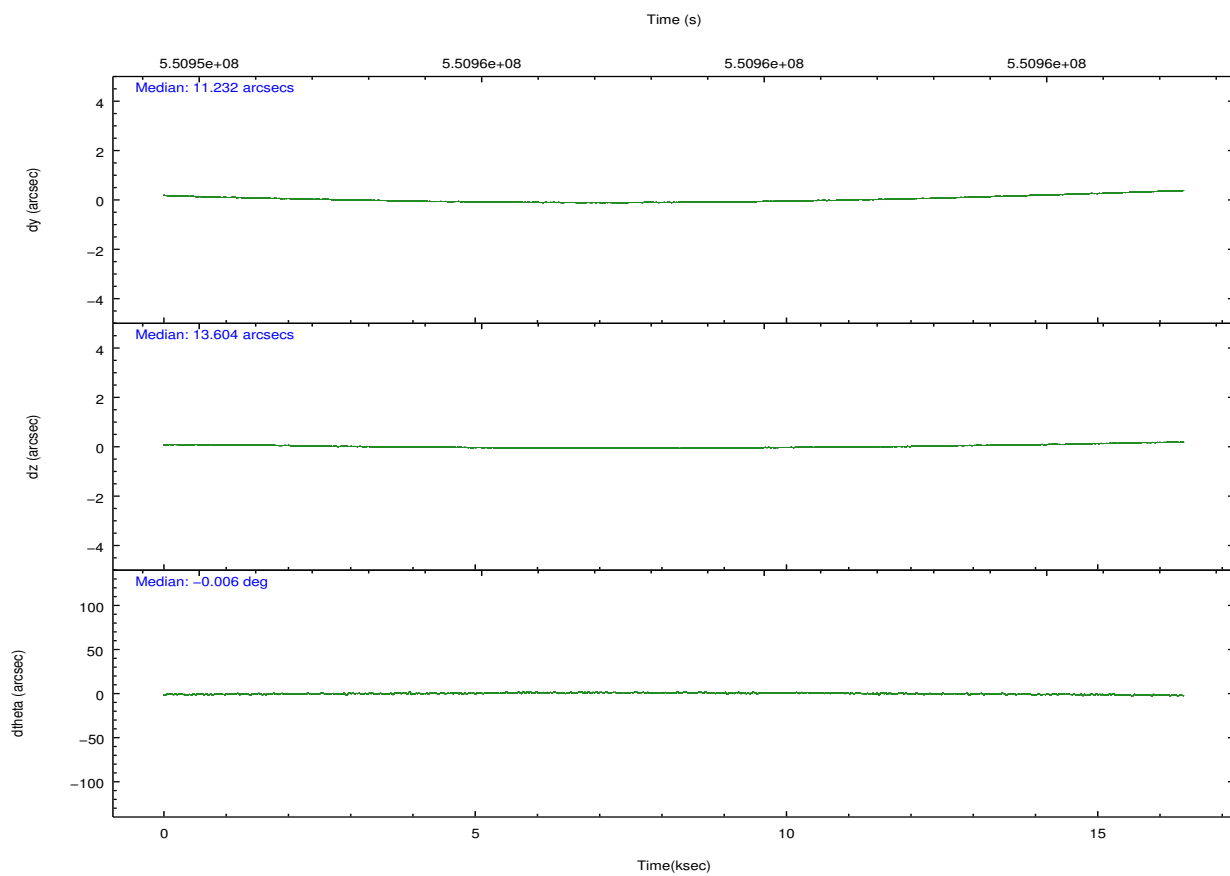
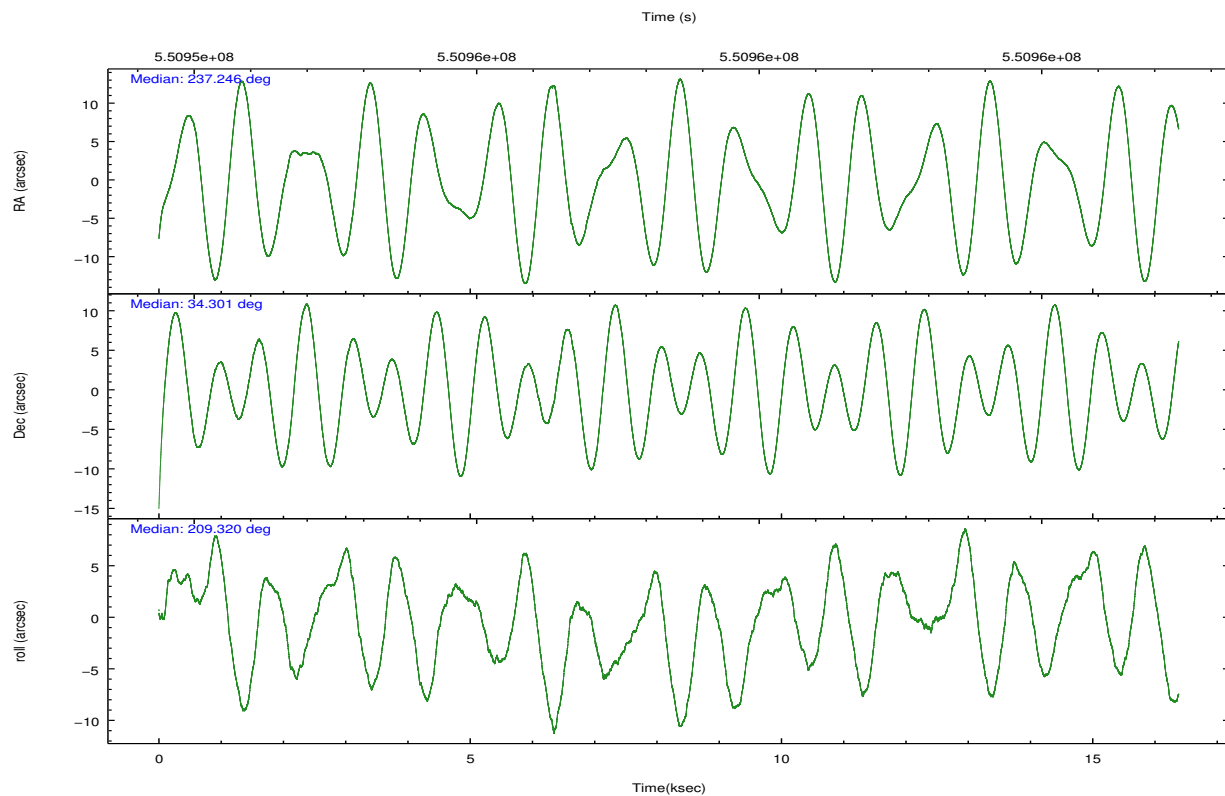
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3171	3199	3065	3886	7873
	3%	3%	3%	3%	7%
grade 1 events	34	35	45	124	77
	0%	0%	0%	0%	0%
grade 2 events	2036	1924	2400	10010	6912
	2%	2%	2%	8%	6%
grade 3 events	963	987	1007	3751	2905
	1%	1%	1%	3%	2%
grade 4 events	901	933	959	3565	2790
	1%	1%	1%	3%	2%
grade 5 events	3281	4201	4216	10985	6140
	3%	5%	4%	9%	5%
grade 6 events	1815	1909	2405	26413	7602
	2%	2%	2%	23%	6%
grade 7 events	70886	68280	73210	54576	76832
	85%	83%	83%	48%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	237.262899	237.2463426349396	CCD I2 on	O1	Y
[deg] Pointing Dec	34.324770	34.30097365118318	CCD I3 on	Y	Y
[deg] Pointing Roll	209.157047	209.3230073172608	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	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	O2	Y
[s] Observation start time (MET)	550950388.184000	550949401.68819	CCD S5 on	N	N
Observation start date	2015-06-17T17:45:21	2015-06-17T17:30:01	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	550966588.184000	550967214.65169	On-chip summing requested	N	N
Observation end date	2015-06-17T22:15:21	2015-06-17T22:26:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



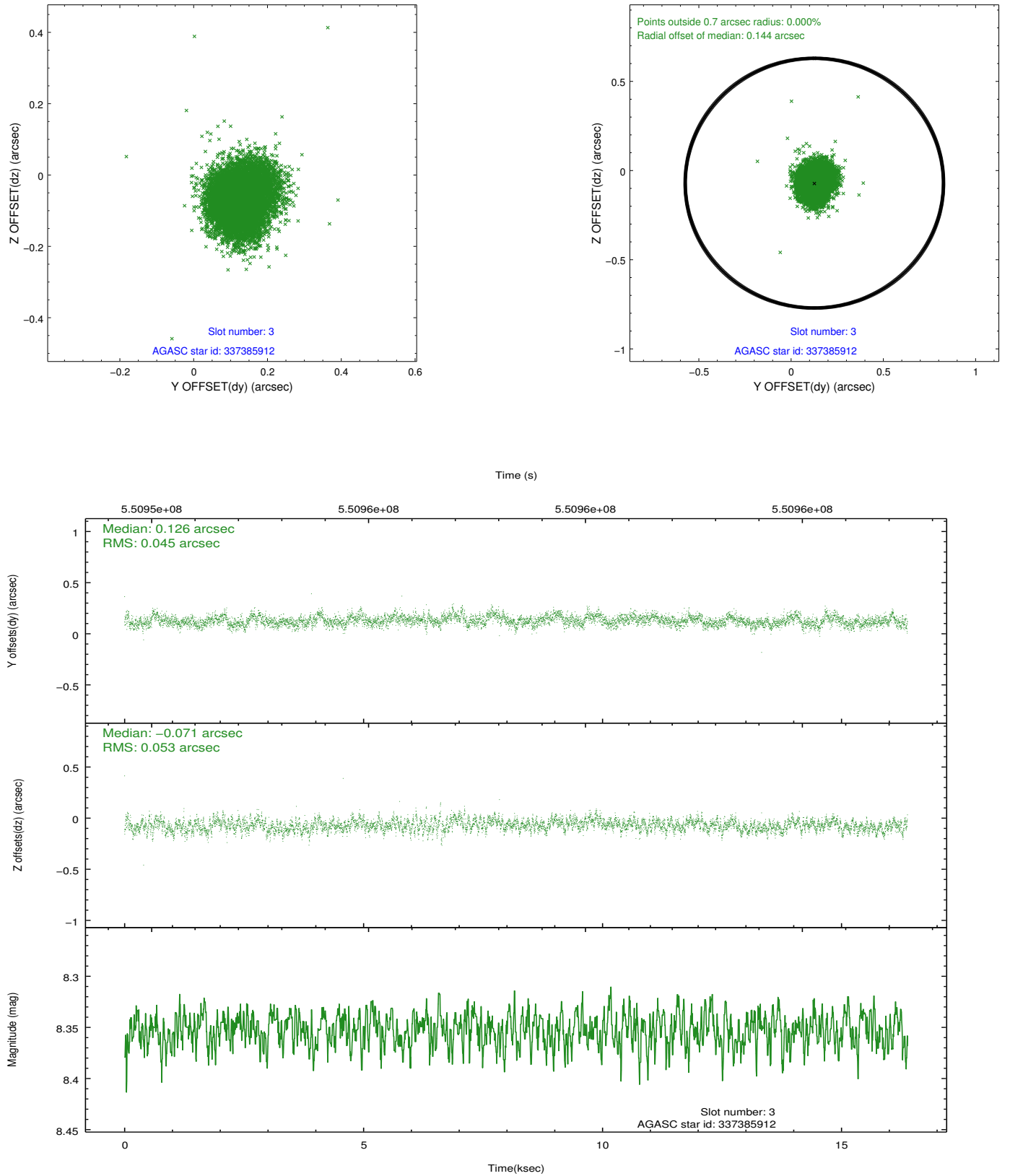


Slot Statistics

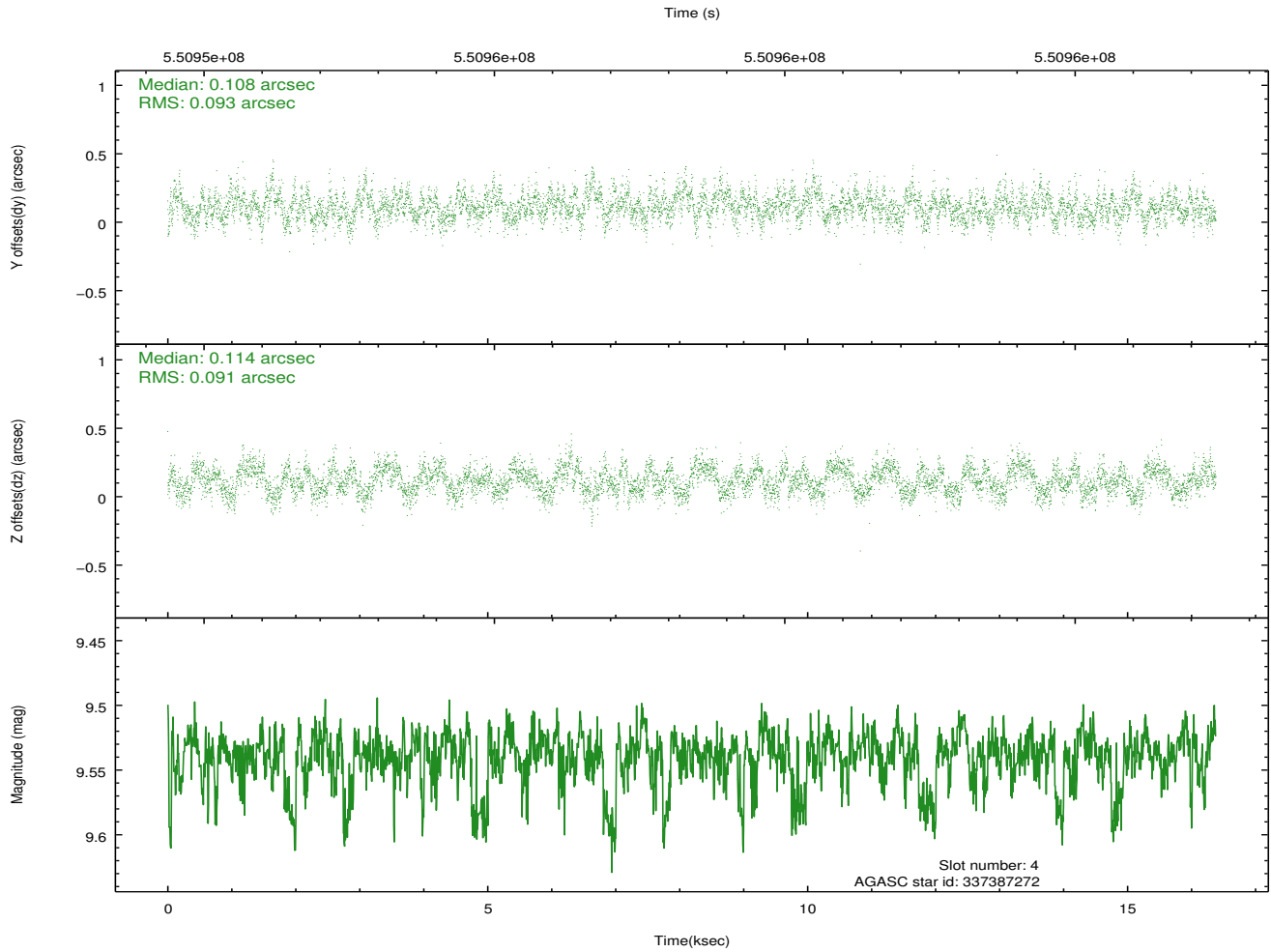
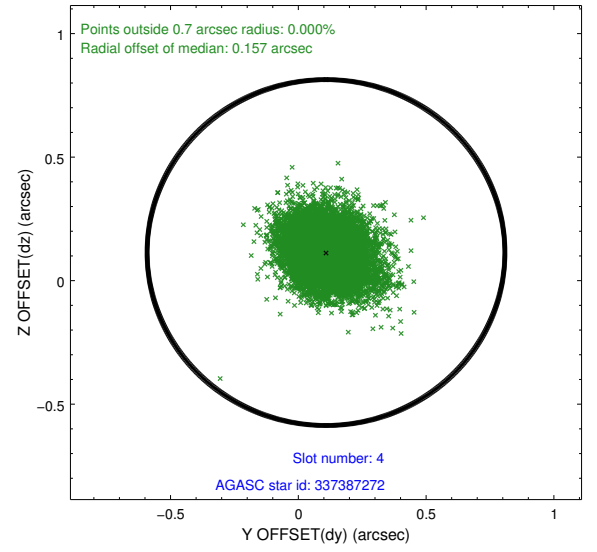
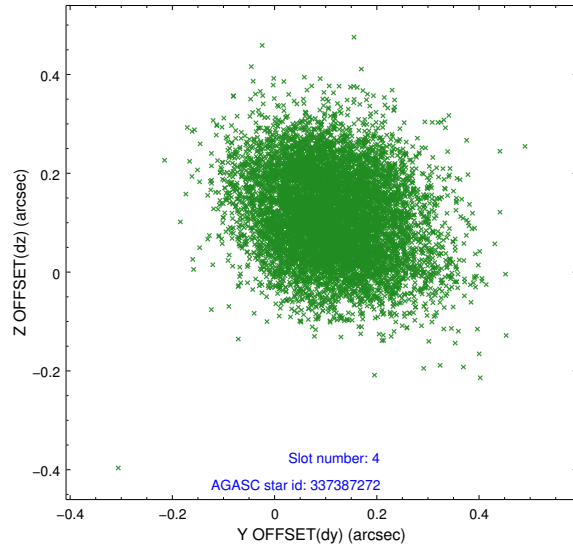
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.18	3996	0.103	-0.028	0.011	0.019	0.000000	0.000000	932.02	-1730.56
1	FID		ACIS-S-5	7.22	3996	-0.173	0.075	0.009	0.016	0.000000	0.000000	-1817.12	166.80
2	FID		ACIS-S-6	7.33	3996	0.049	-0.034	0.009	0.014	0.000000	0.000000	397.22	810.97
3	GUIDE	used	337385912	8.35	7990	0.126	-0.071	0.073	0.118	236.890707	33.894202	1726.07	810.30
4	GUIDE	used	337387272	9.54	7988	0.108	0.114	0.138	0.221	236.538181	34.156368	2178.20	-528.40
5	GUIDE	used	337516784	9.53	7985	0.155	0.271	0.137	0.220	237.381129	34.936904	-1377.48	-1754.24
6	GUIDE	used	337517896	8.22	7992	-0.252	-0.233	0.082	0.128	237.642952	34.424913	-1162.19	232.94
7	GUIDE	used	337381400	9.48	7983	-0.145	-0.081	0.124	0.199	236.738881	34.613348	848.39	-1666.85

2.4 Star Slots

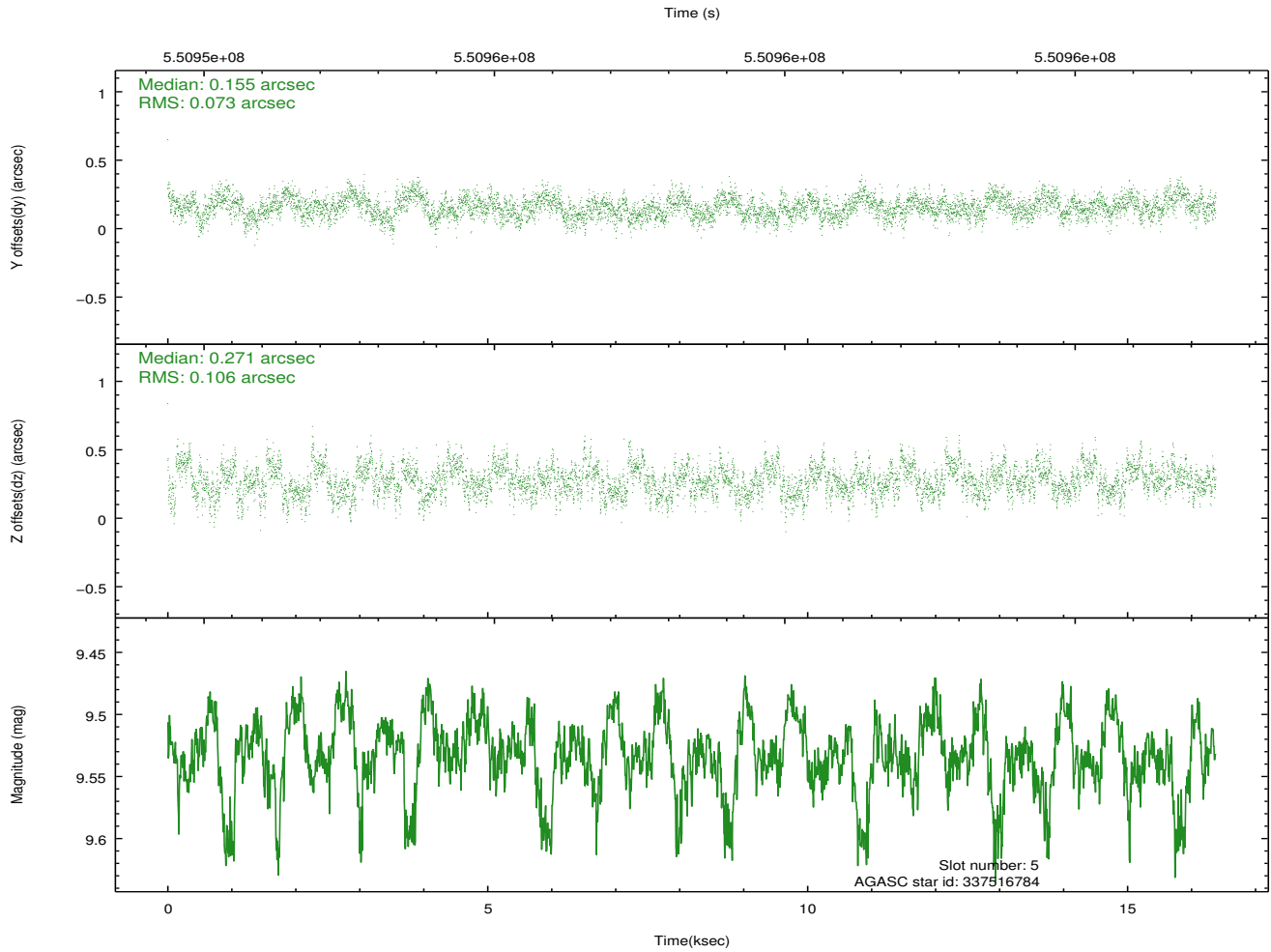
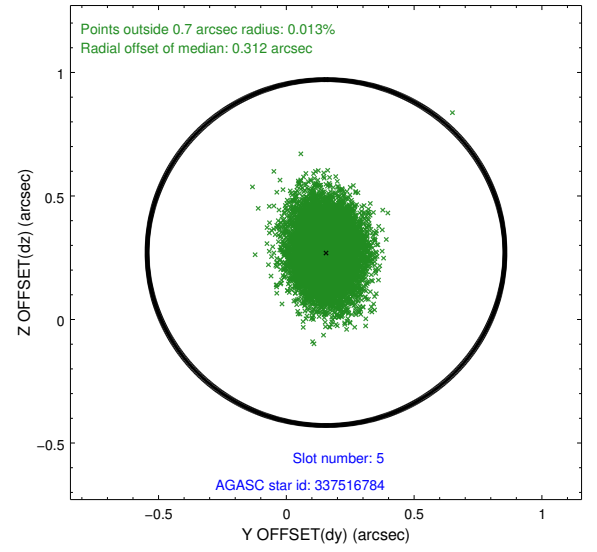
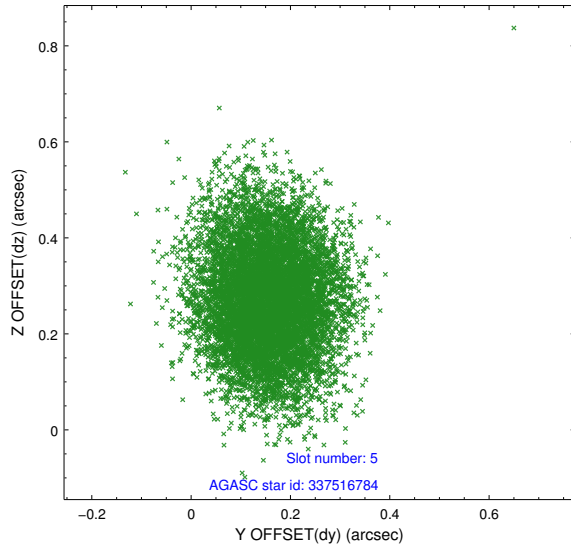
2.4.1 Slot 3



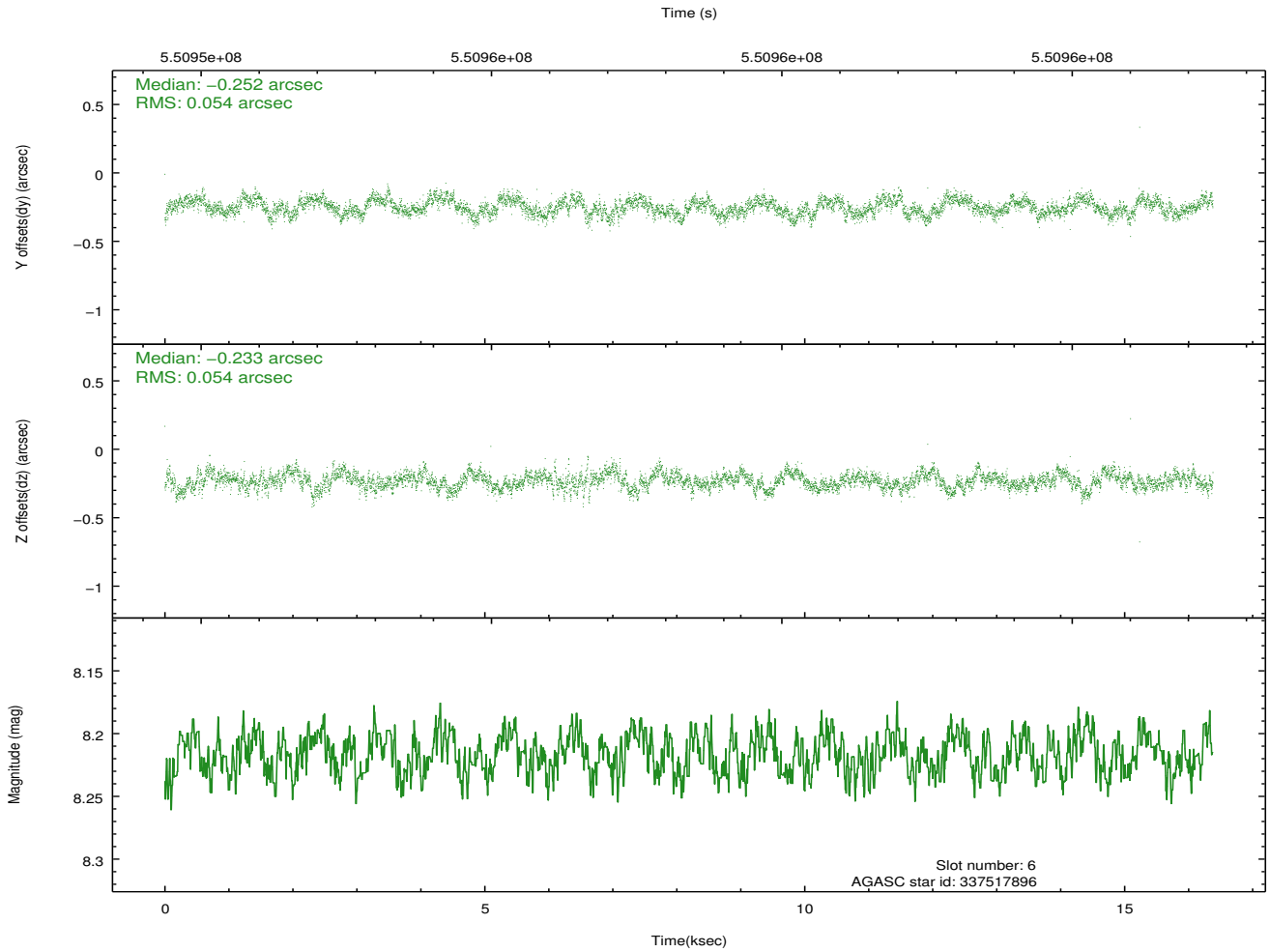
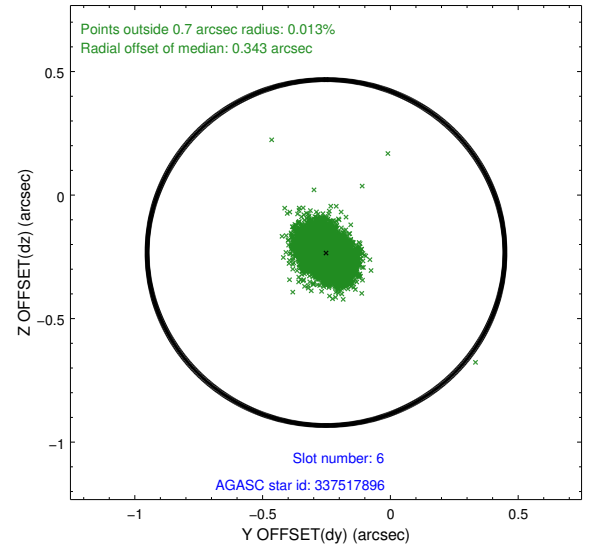
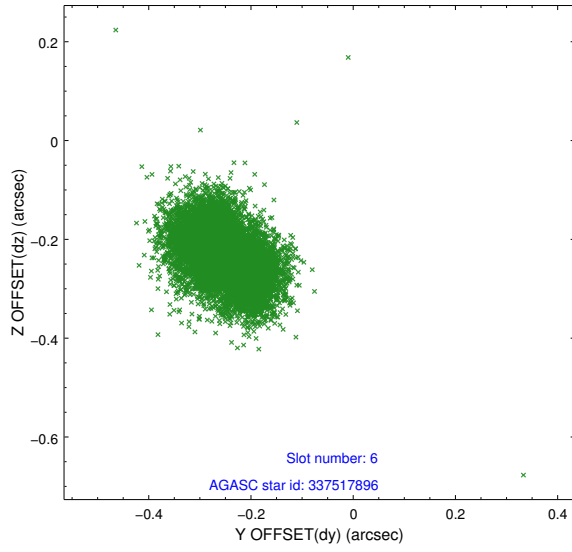
2.4.2 Slot 4



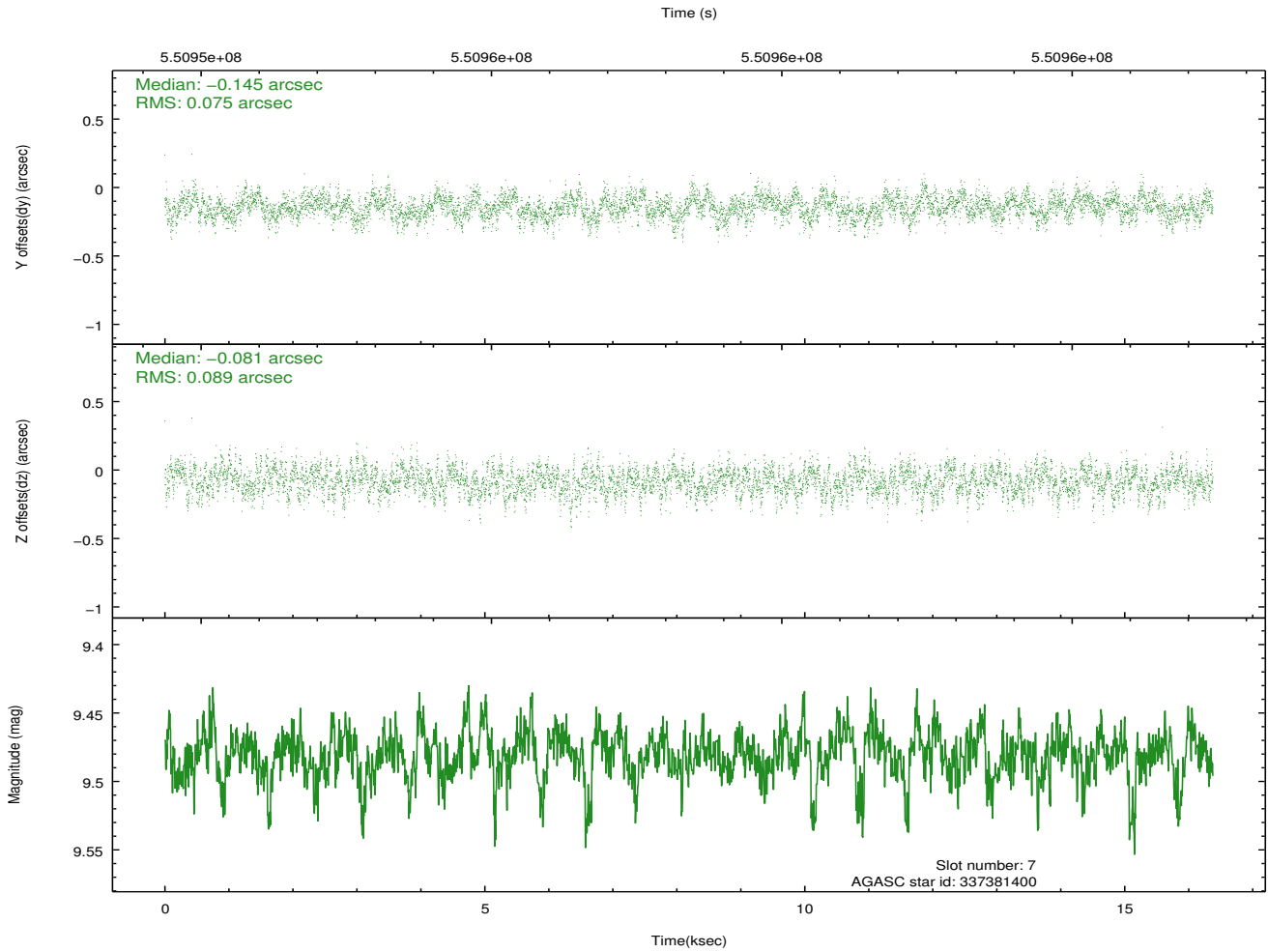
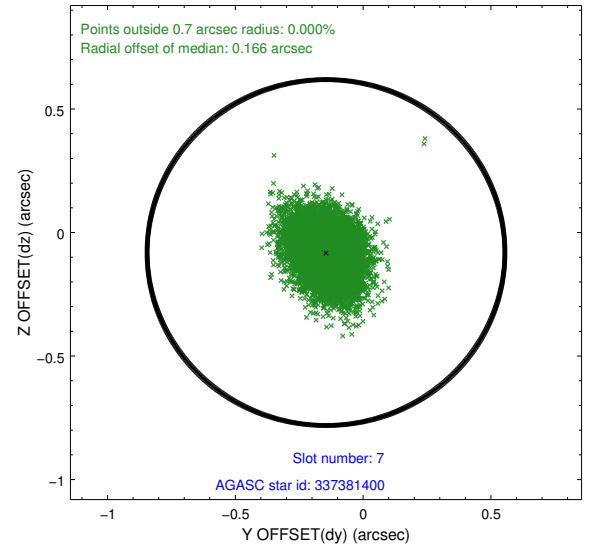
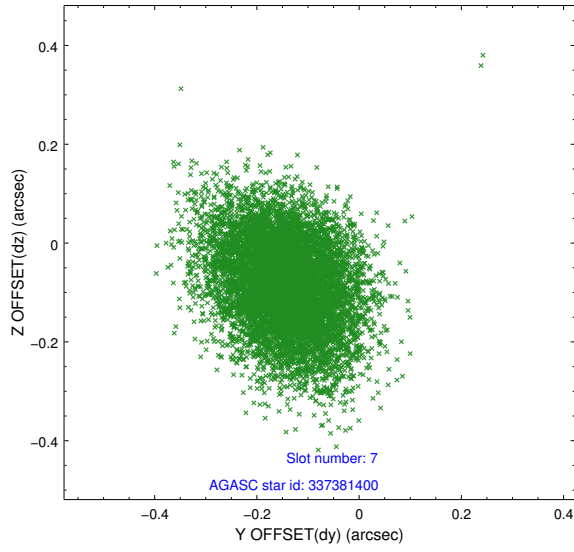
2.4.3 Slot 5



2.4.4 Slot 6

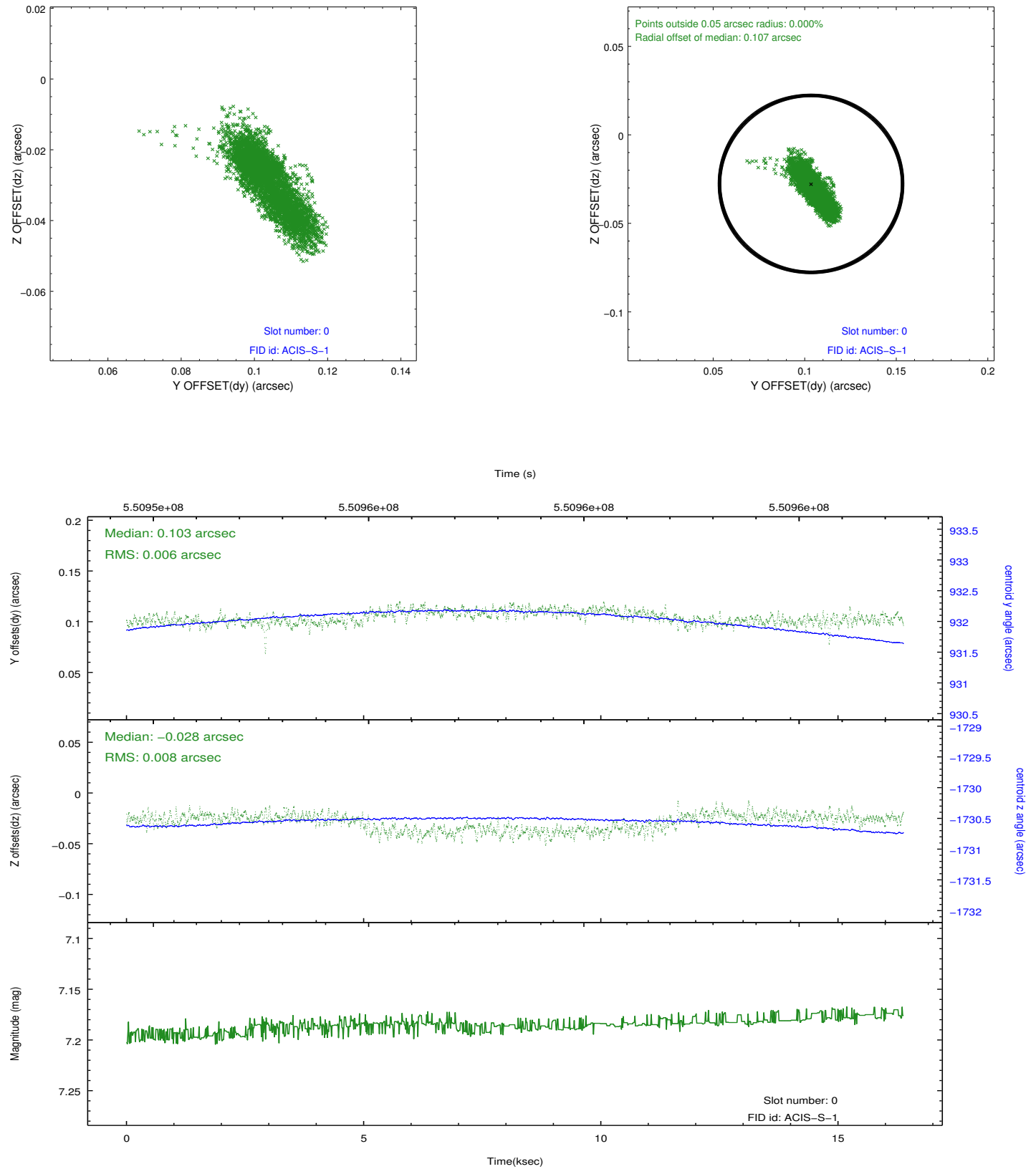


2.4.5 Slot 7

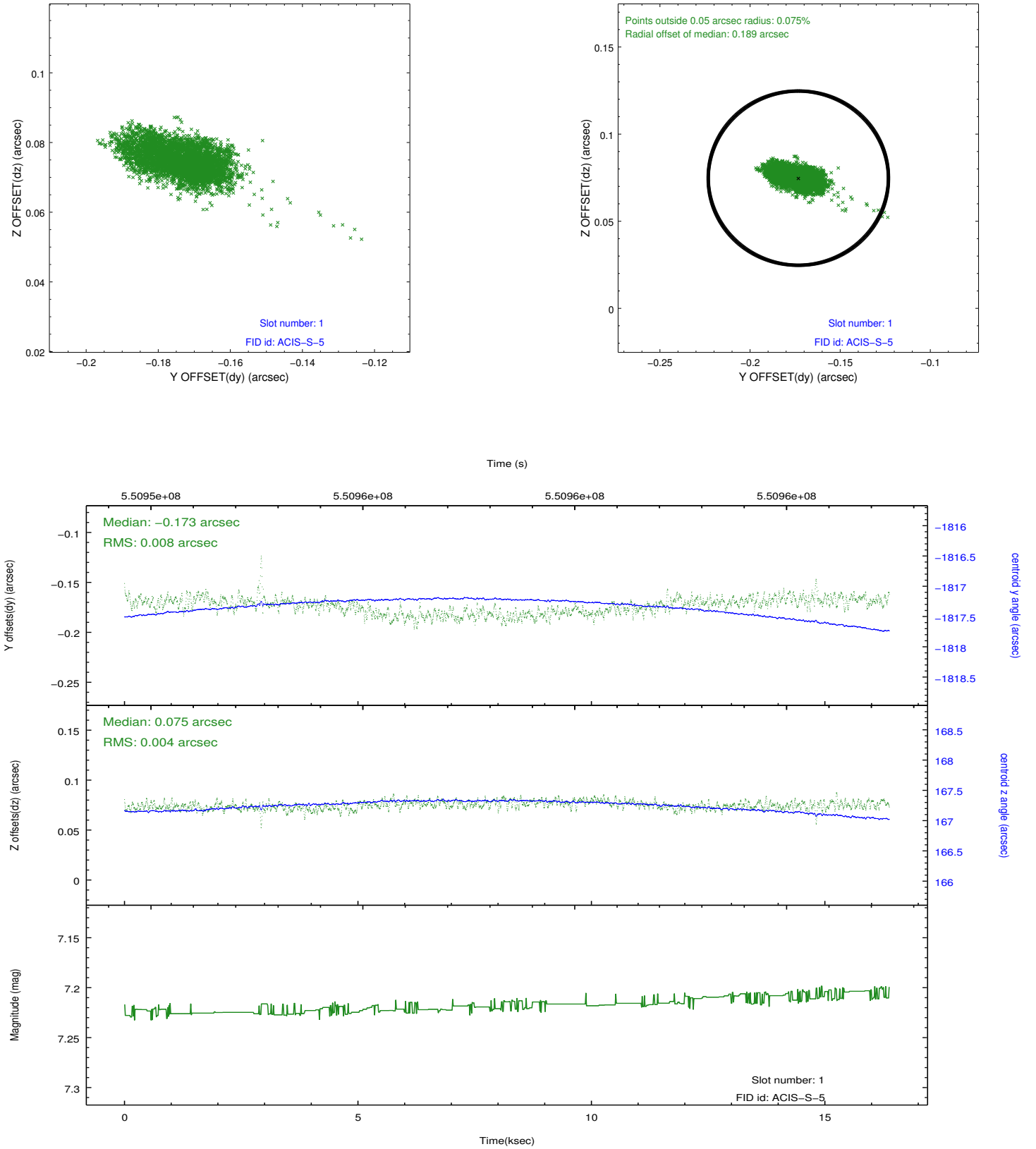


2.5 FID Slots

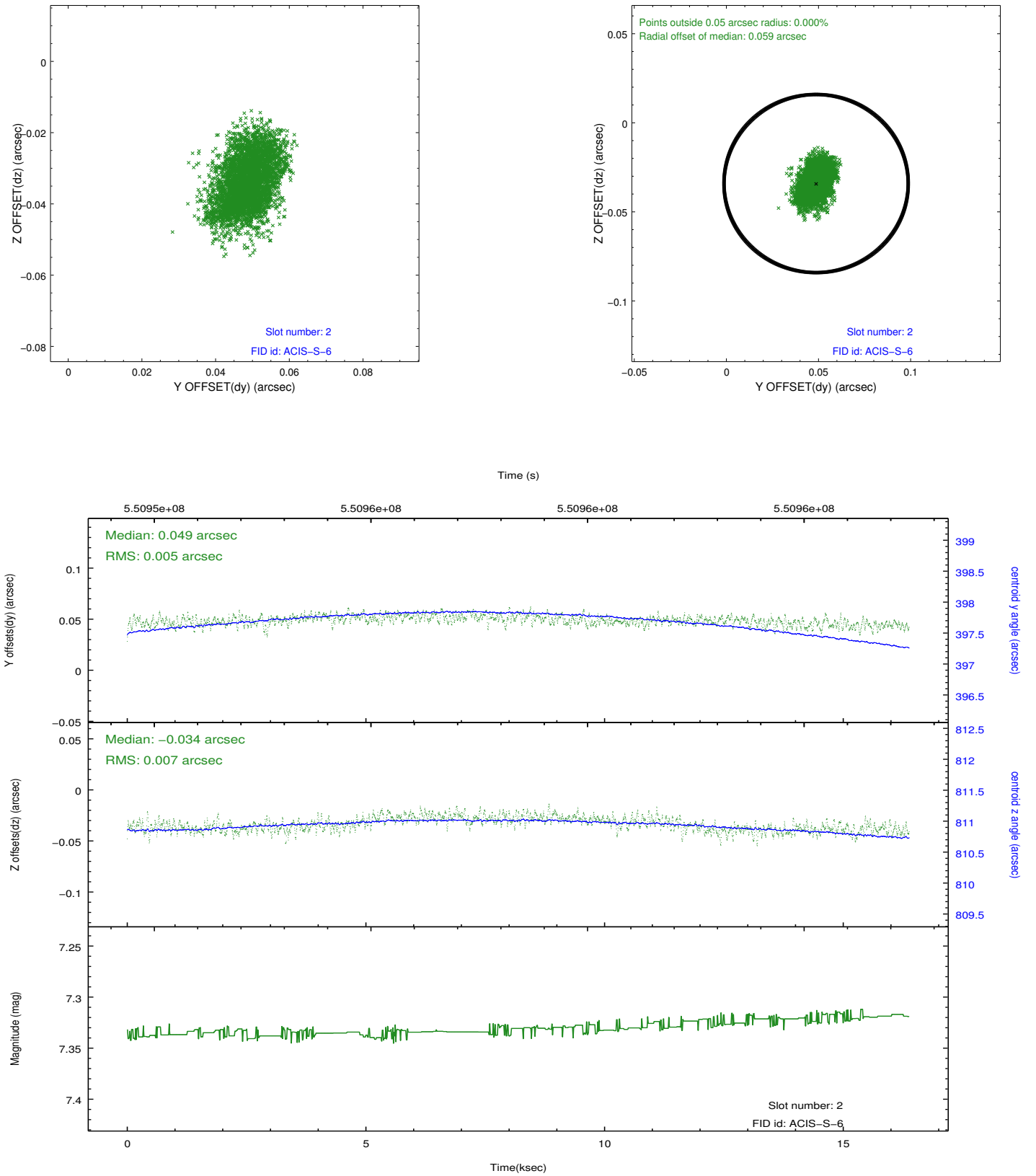
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.231194699645

A.2 Comments