

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9910 - L2 Version 2
Chandra X-Ray Center

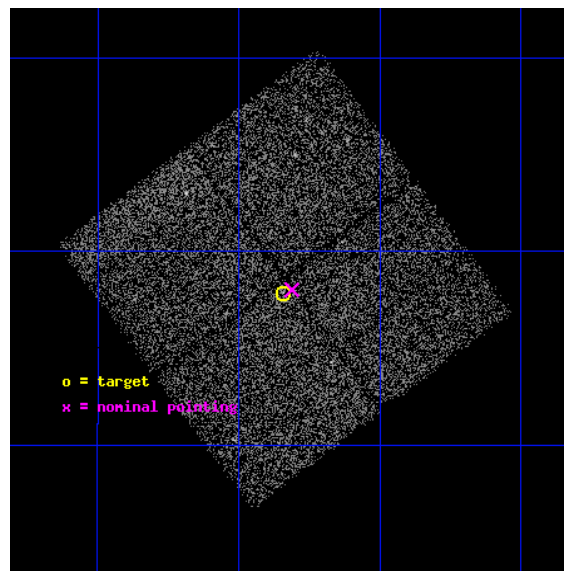
L2 Processing Date : Jun 10 2012

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1 Front

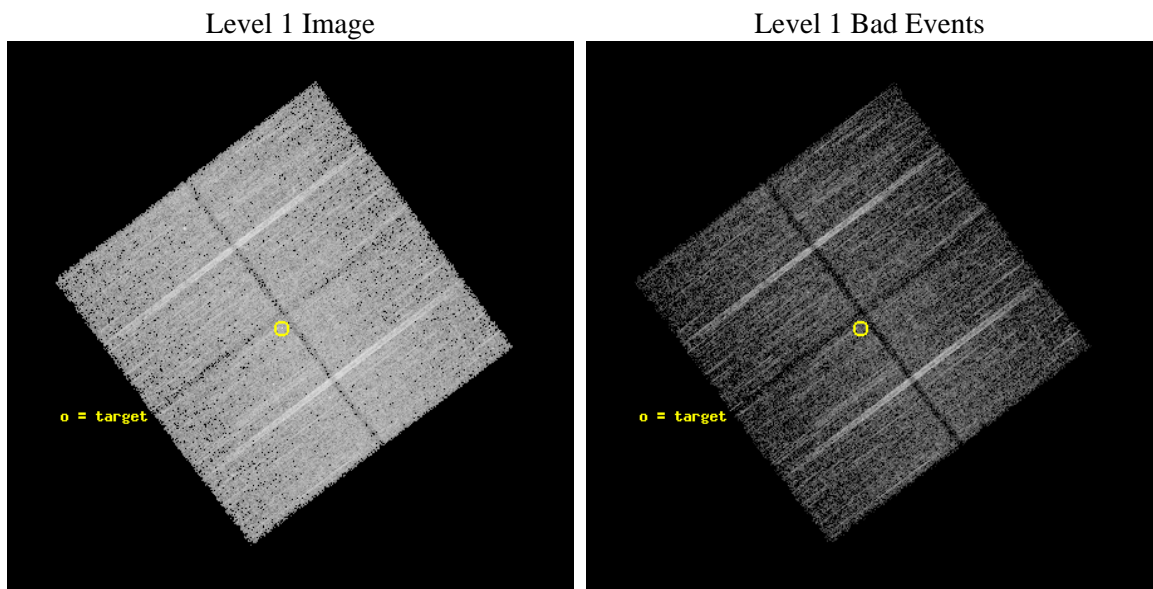
seq_num	200527	Sequence number
obs_id	9910	Observation id
title	Search for X-ray emission from magnetic chemically peculiar roAp stars	Proposal title
observer	Dr Beate Stelzer	Principal investigator
object	HD201601	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	317.585667	Observer's specified target RA [deg]
dec_targ	10.130836	Observer's specified target Dec [deg]
ra_nom	317.57796060902	Nominal RA [deg]
dec_nom	10.13354271379	Nominal Dec [deg]
roll_nom	143.14148123698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10146.300078034	Sum of GTIs [s]
livetime	10013.731197917	Livetime [s]
ontime0	10146.300078034	Sum of GTIs [s]
ontime1	10143.159097731	Sum of GTIs [s]
ontime2	10143.159077823	Sum of GTIs [s]
ontime3	10146.300078034	Sum of GTIs [s]
l2events	30617	Number of level 2 events



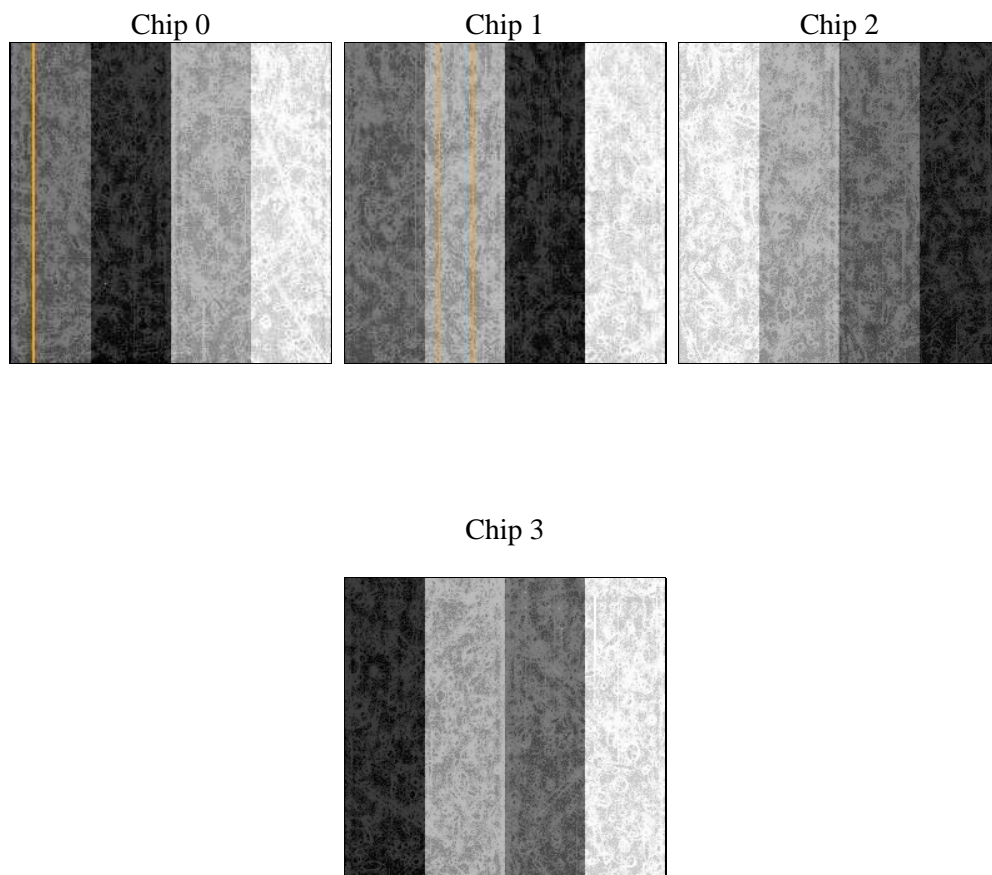
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10146.300078034	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	10146.300078034	Sum of GTIs [s]
date	2012-06-10T11:34:19	Date and time of file creation	ontime1	10143.159097731	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10143.159077823	Sum of GTIs [s]
			ontime3	10146.300078034	Sum of GTIs [s]
			l1events	356180	Number of level 1 events

2.1.4 Events

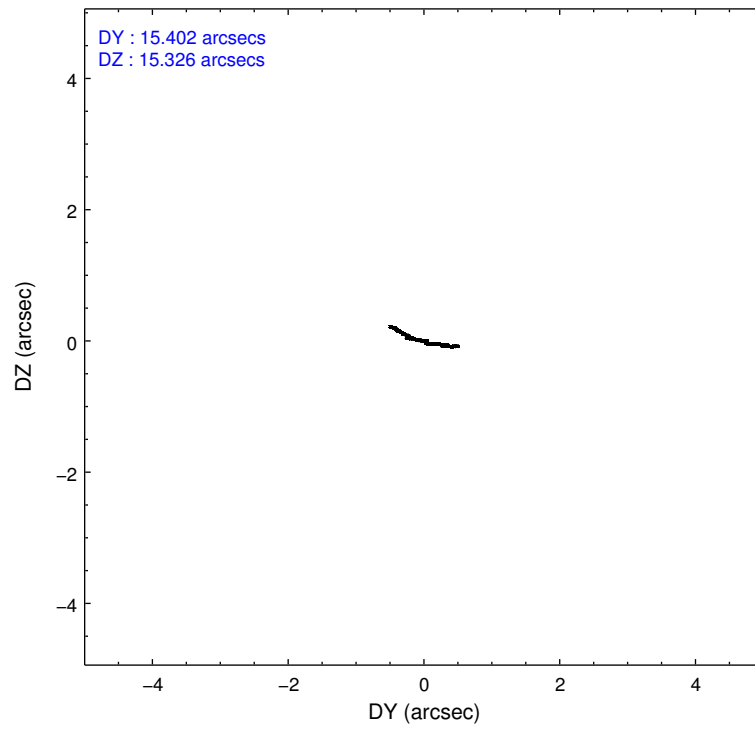
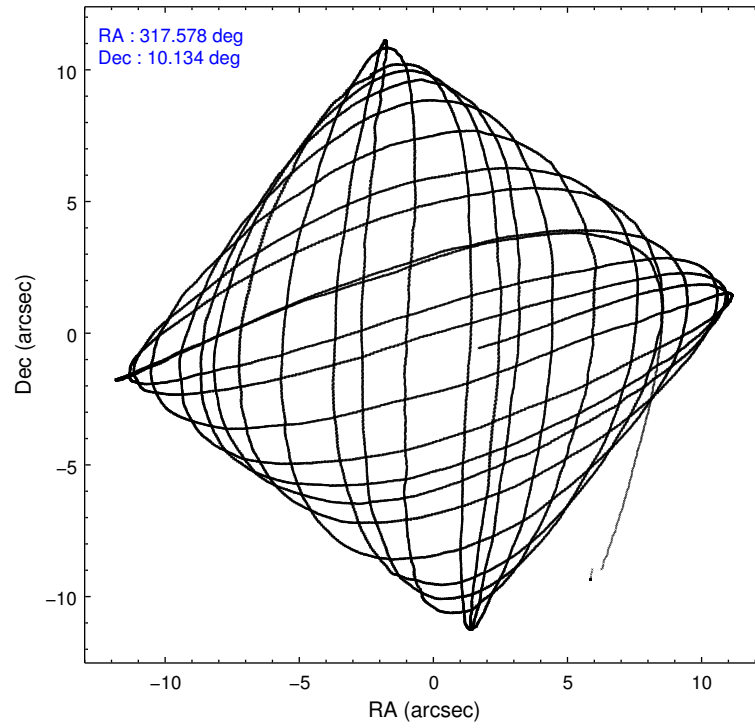
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	87451	84987	92062	91680
rejected events	78256	74896	83207	82860
rejected %	89%	88%	90%	90%

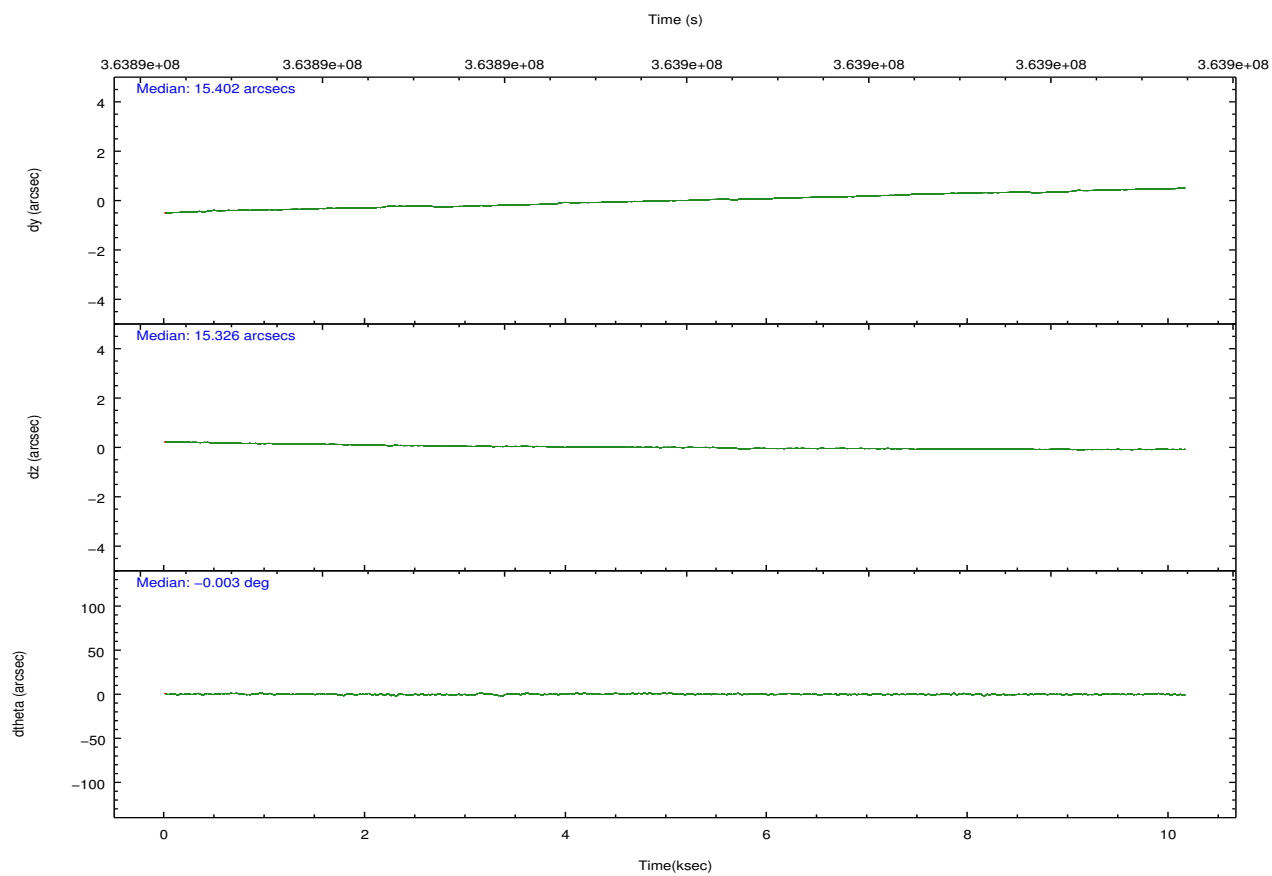
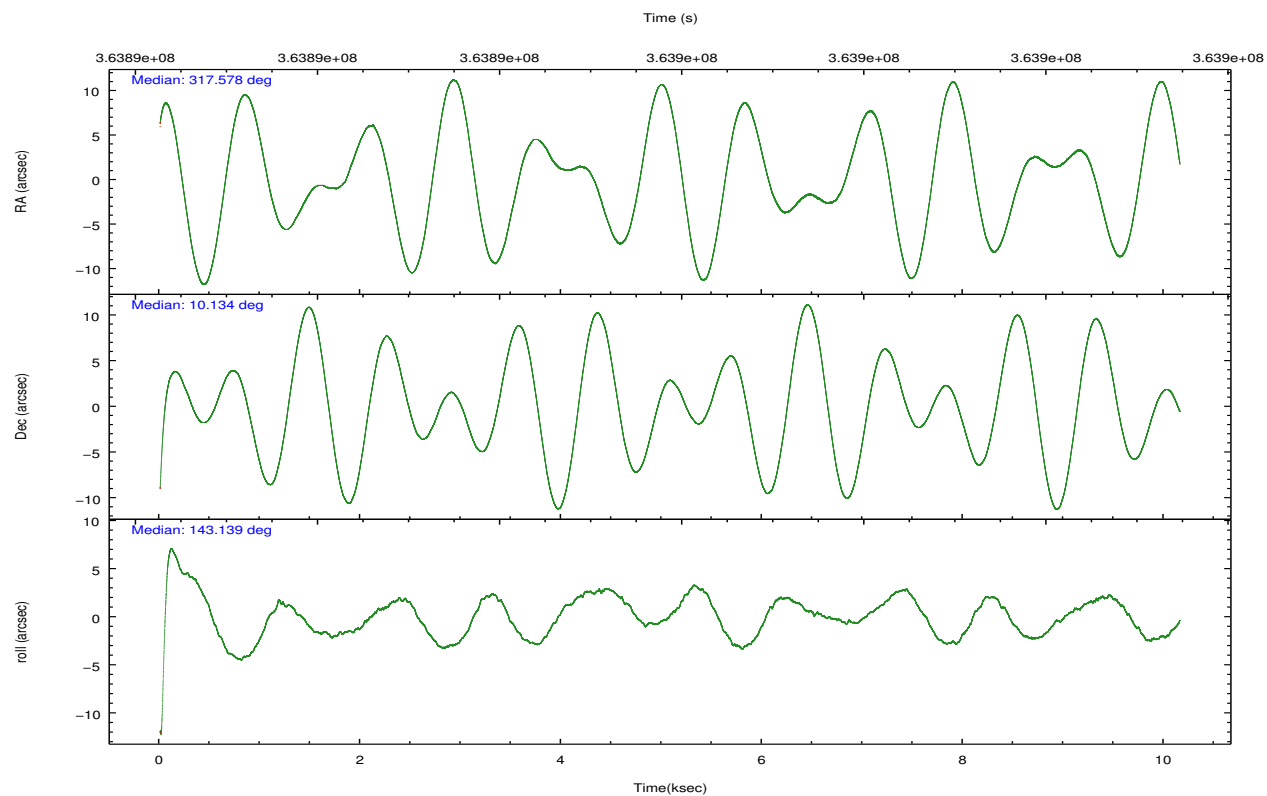
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3406	3690	3266	3397
	3%	4%	3%	3%
grade 1 events	42	48	48	69
	0%	0%	0%	0%
grade 2 events	2265	2368	2260	2012
	2%	2%	2%	2%
grade 3 events	1031	1157	923	968
	1%	1%	1%	1%
grade 4 events	987	1163	951	1015
	1%	1%	1%	1%
grade 5 events	3303	3675	3170	3806
	3%	4%	3%	4%
grade 6 events	1859	2100	1759	1741
	2%	2%	1%	1%
grade 7 events	74558	70786	79685	78672
	85%	83%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	O2	Y
Observation mode	POINTING	POINTING	CCD I1 on	O1	Y
[deg] Pointing RA	317.605672	317.5779606090205	CCD I2 on	O3	Y
[deg] Pointing Dec	10.130368	10.13354271379013	CCD I3 on	Y	Y
[deg] Pointing Roll	142.927942	143.141481236983	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	363890953.184000	363889849.44252	CCD S5 on	N	N
Observation start date	2009-07-13T16:48:07	2009-07-13T16:30:49	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	363900953.184000	363902243.23064	On-chip summing requested	N	N
Observation end date	2009-07-13T19:34:47	2009-07-13T19:57:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



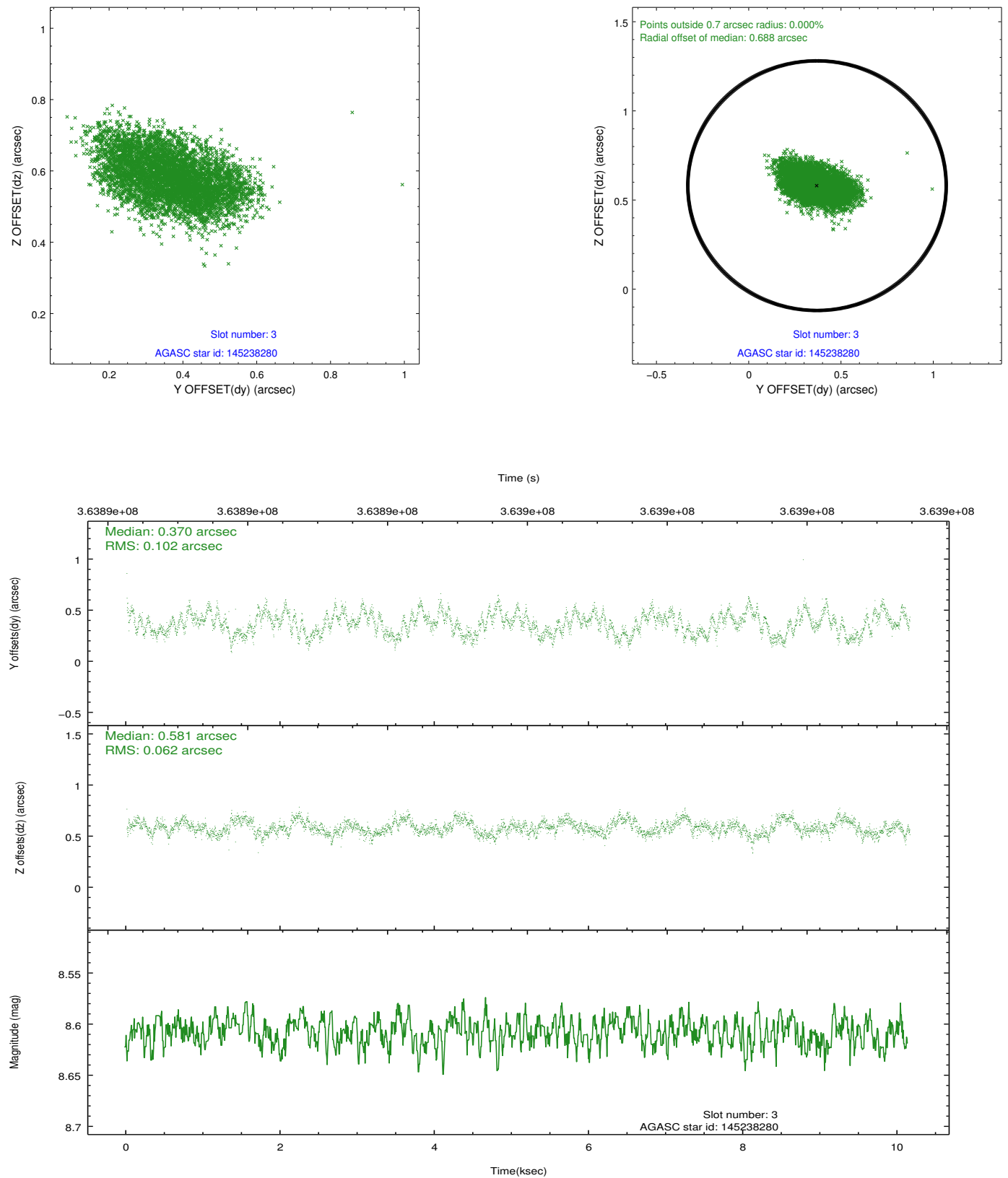


Slot Statistics

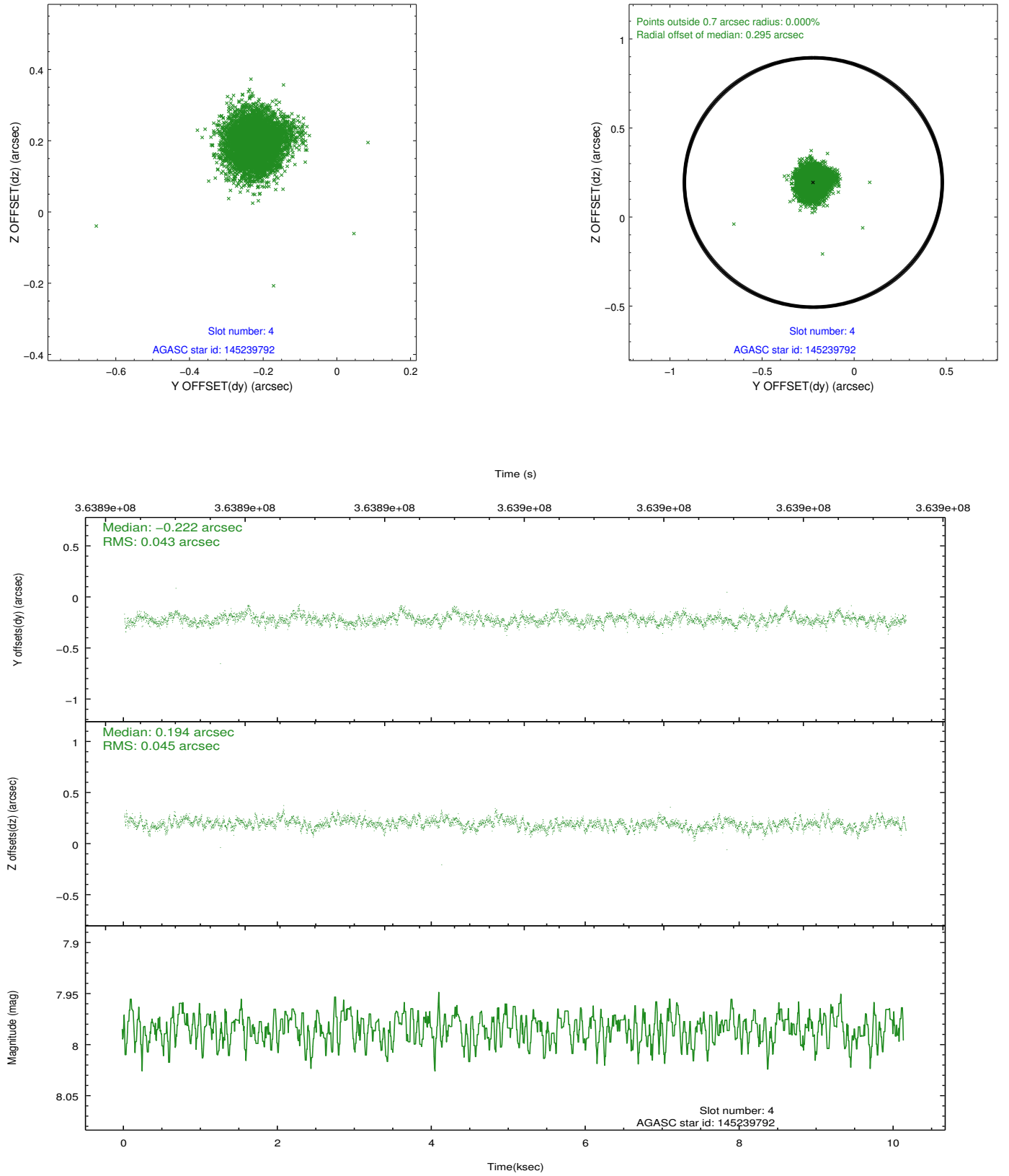
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	2476	-0.002	-0.035	0.019	0.030	0.000000	0.000000	924.06	-838.97
1	FID	ACIS-I-4	6.95	2475	0.125	0.049	0.011	0.017	0.000000	0.000000	2144.49	1060.68
2	FID	ACIS-I-5	7.01	2477	-0.222	0.056	0.016	0.024	0.000000	0.000000	-1823.52	1059.07
3	GUIDE	145238280	8.61	4952	0.370	0.581	0.129	0.206	317.551548	10.738875	1473.98	-1631.75
4	GUIDE	145239792	7.98	4951	-0.222	0.194	0.066	0.107	317.177312	9.819396	538.23	1808.40
5	GUIDE	145248448	6.54	4954	0.376	-0.141	0.109	0.158	317.630483	10.048917	-246.35	181.22
6	GUIDE	145371632	8.22	4953	-0.726	-0.486	0.064	0.103	318.031574	10.637995	-100.66	-2367.66
7	GUIDE	145234976	9.37	4878	0.198	-0.150	0.127	0.196	317.525082	9.419589	-1314.05	2213.55

2.4 Star Slots

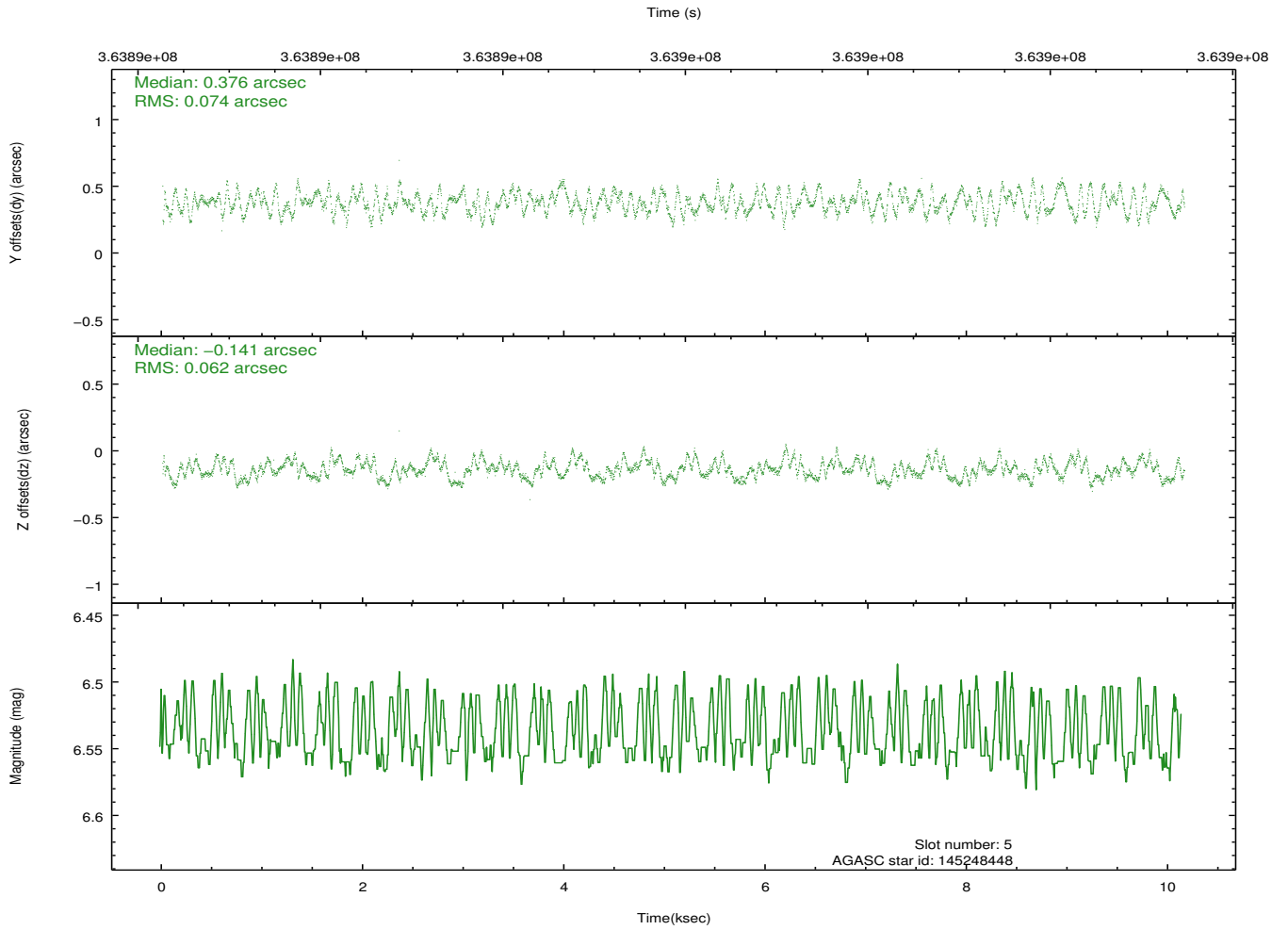
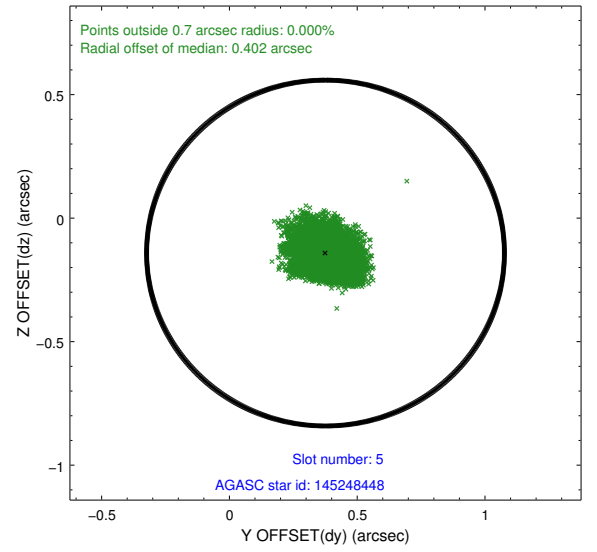
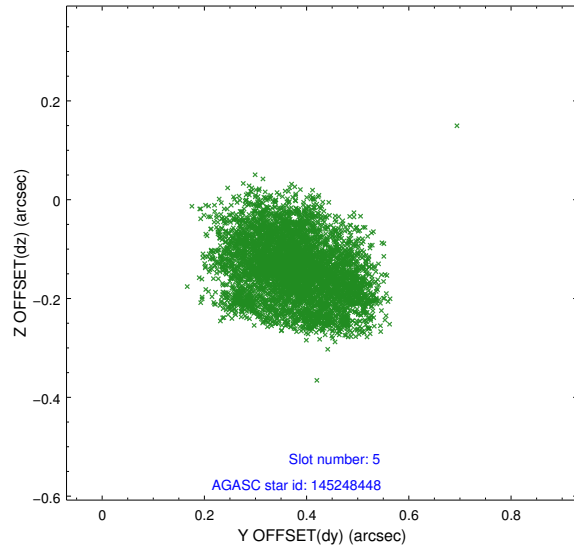
2.4.1 Slot 3



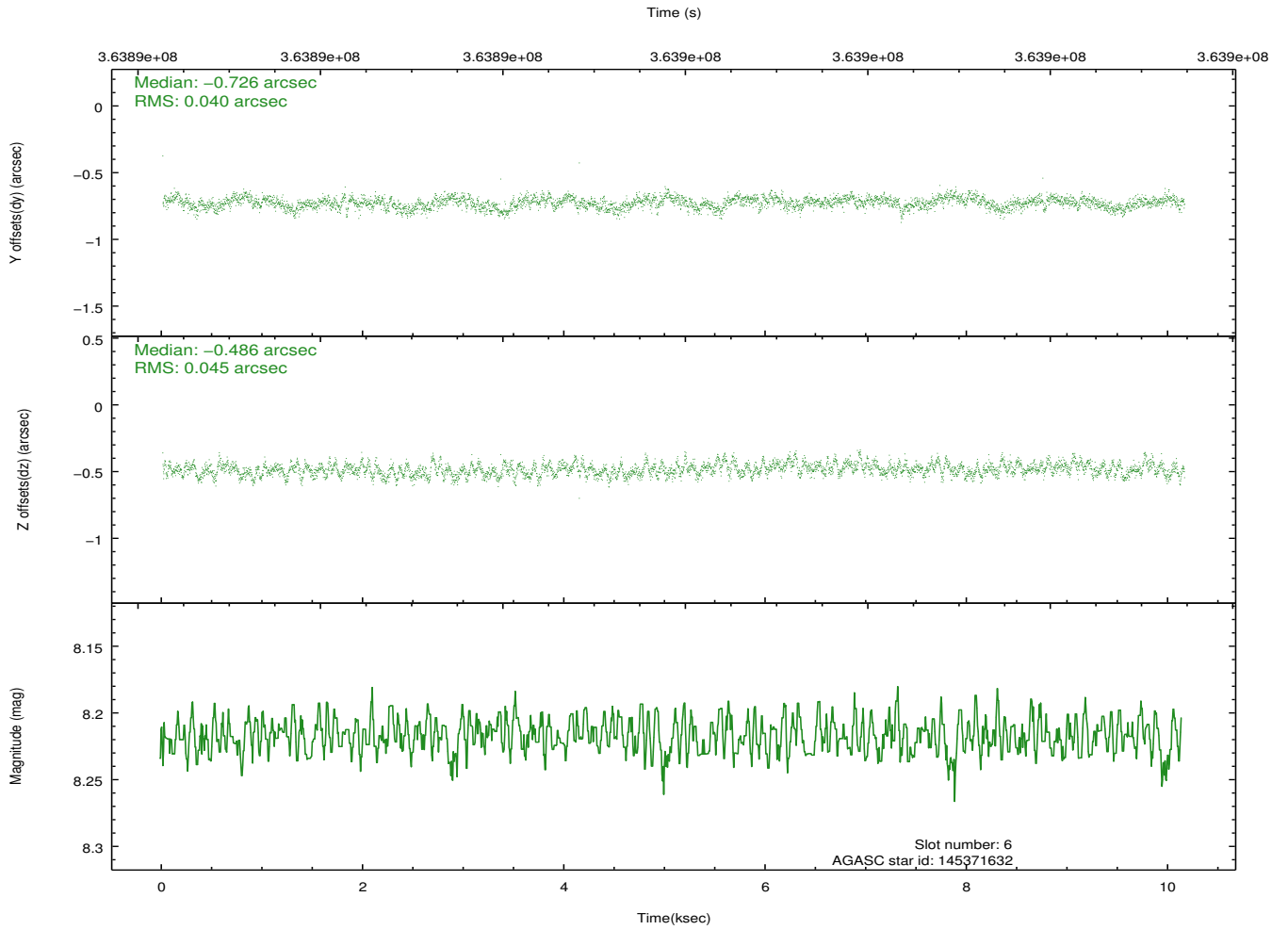
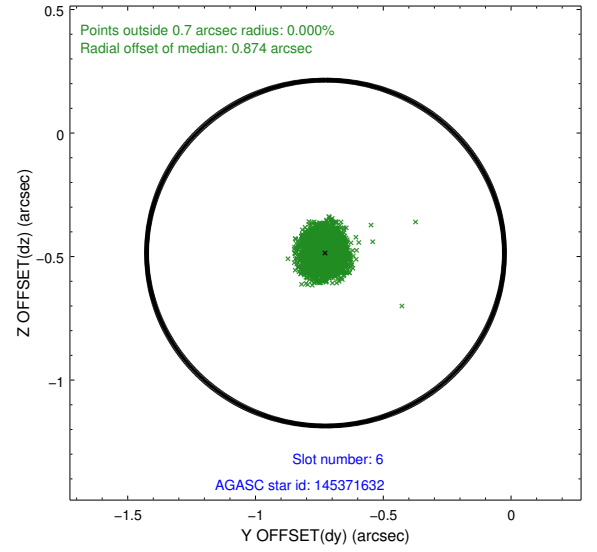
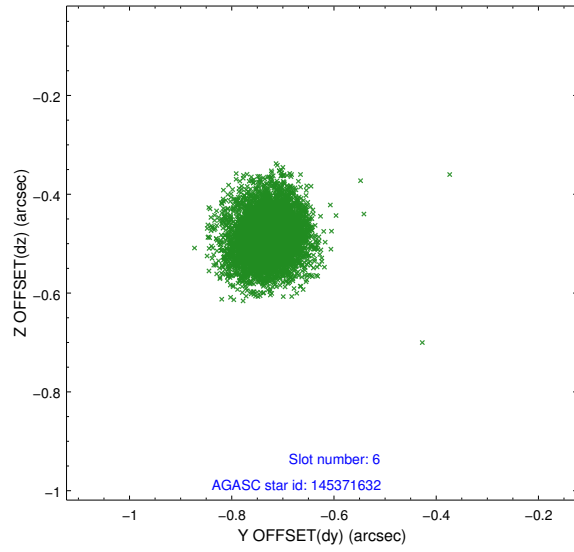
2.4.2 Slot 4



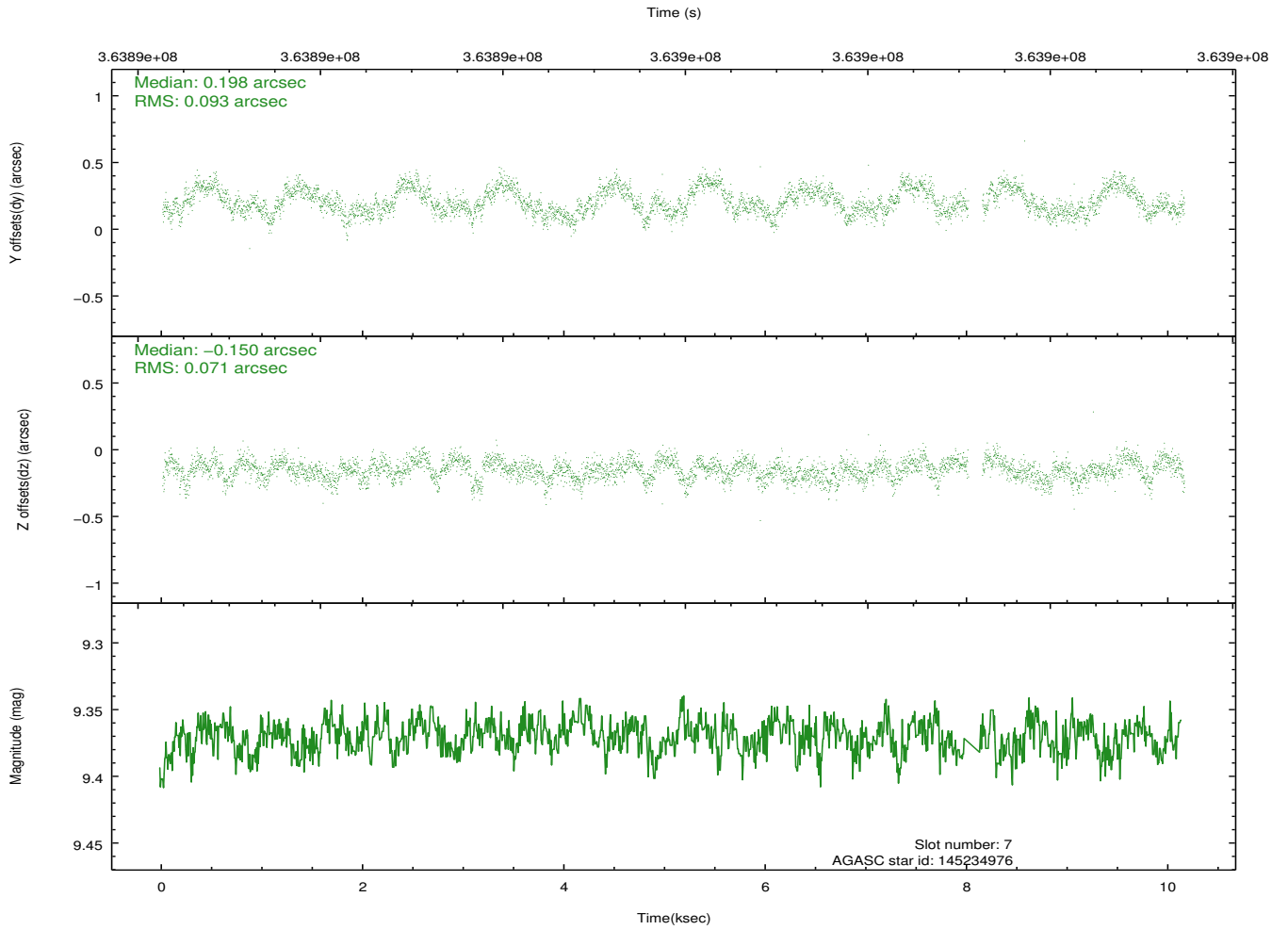
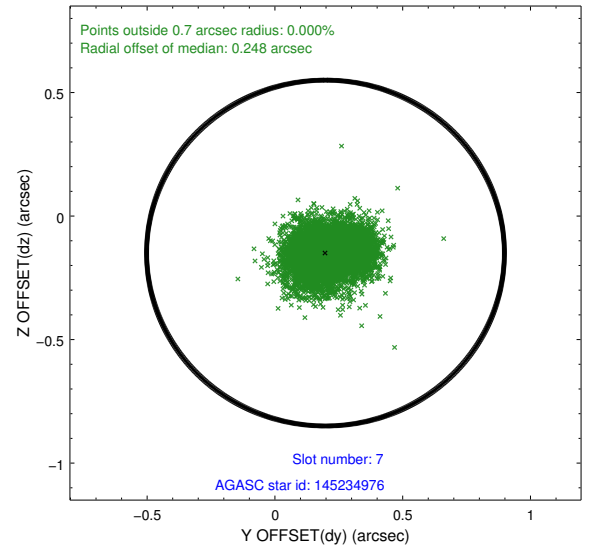
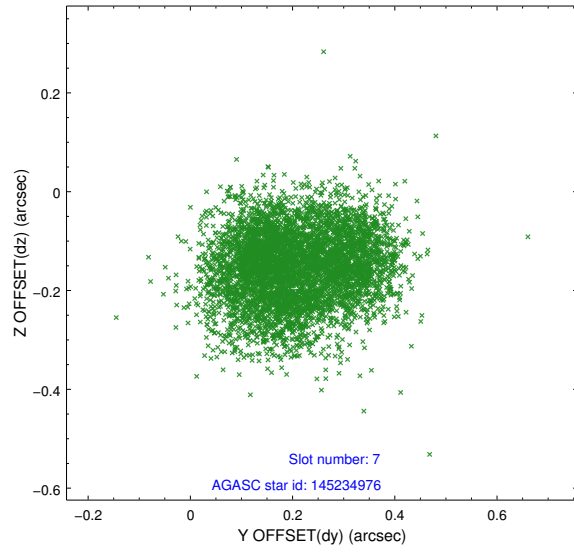
2.4.3 Slot 5



2.4.4 Slot 6

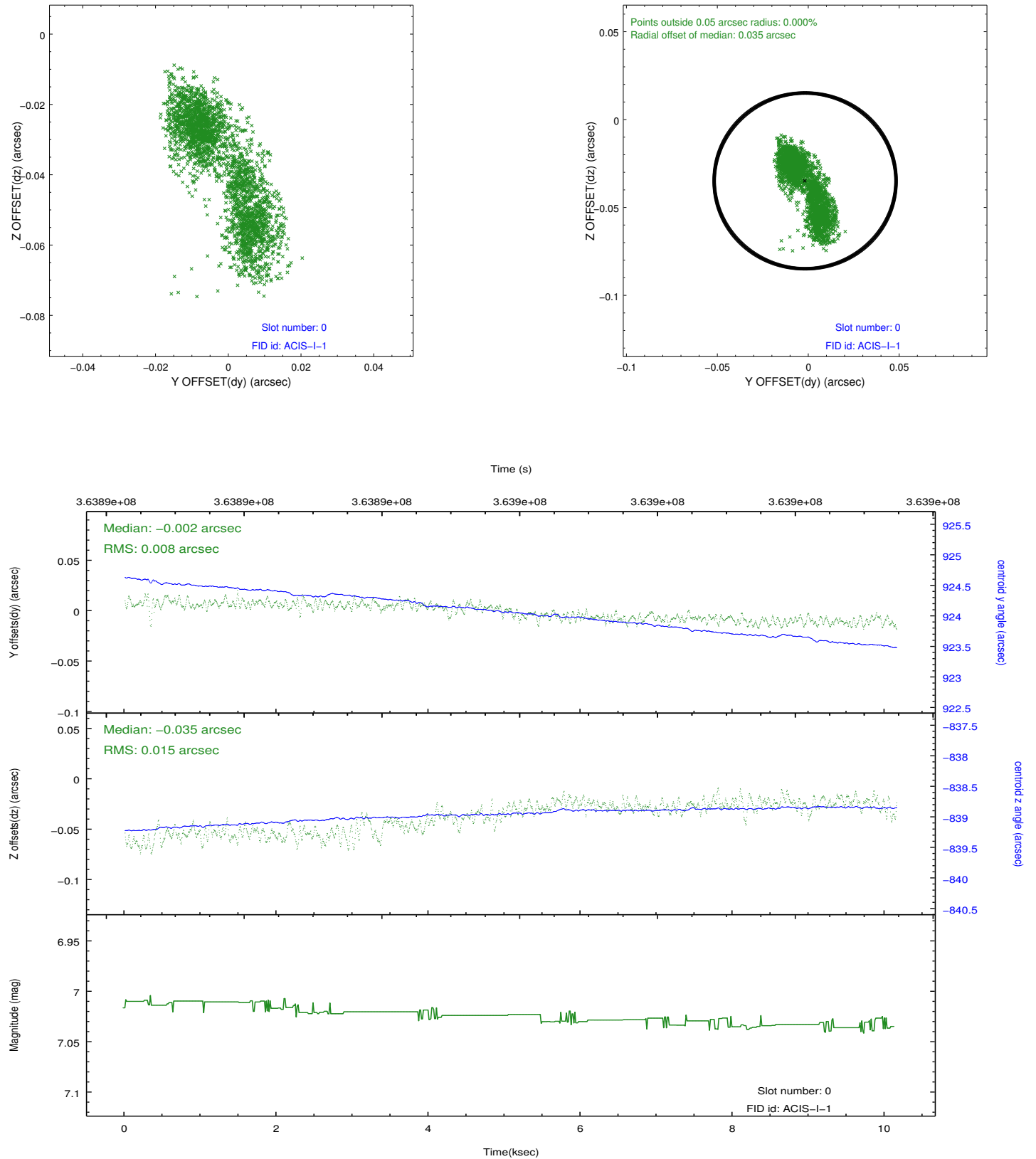


2.4.5 Slot 7

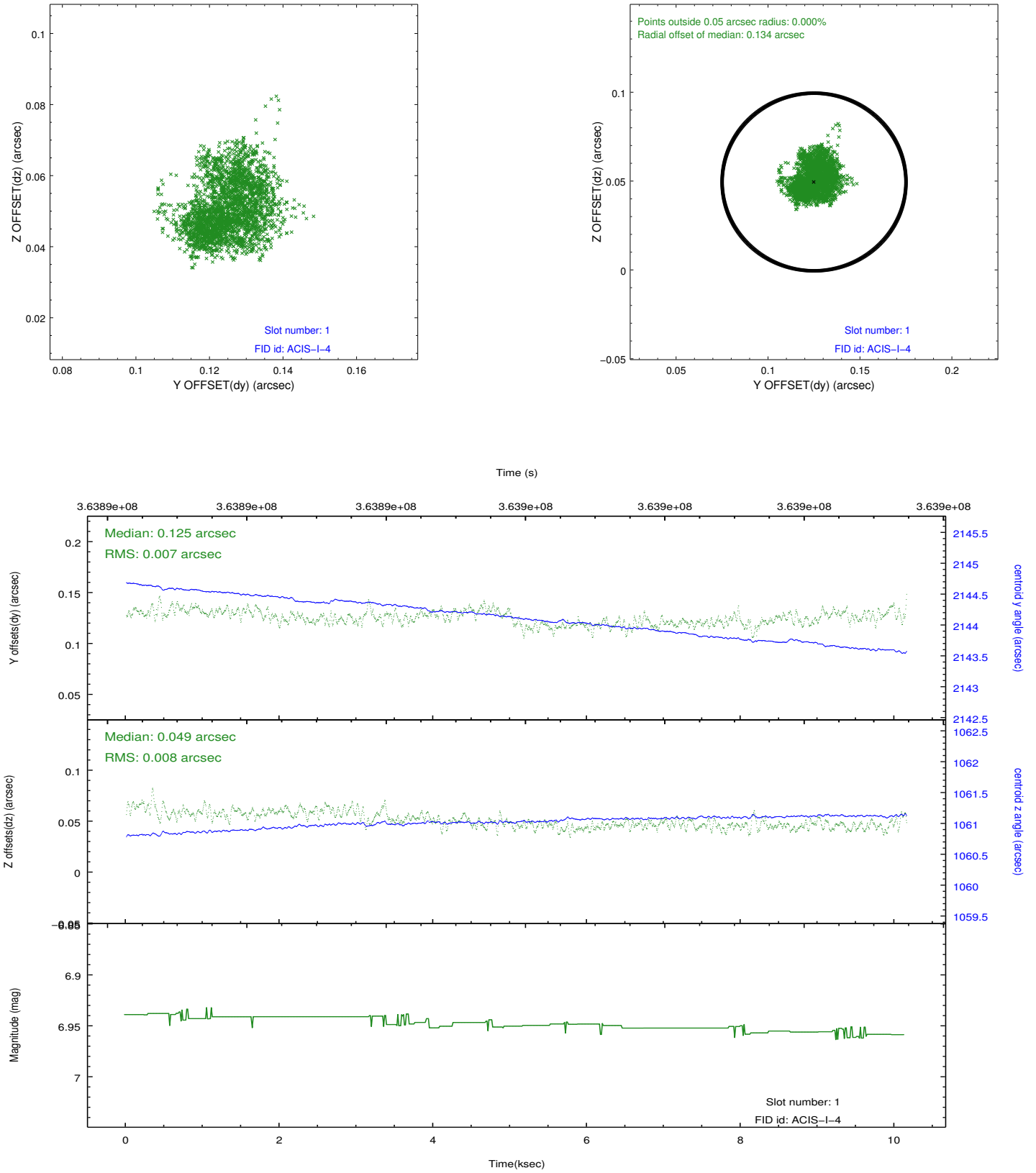


2.5 FID Slots

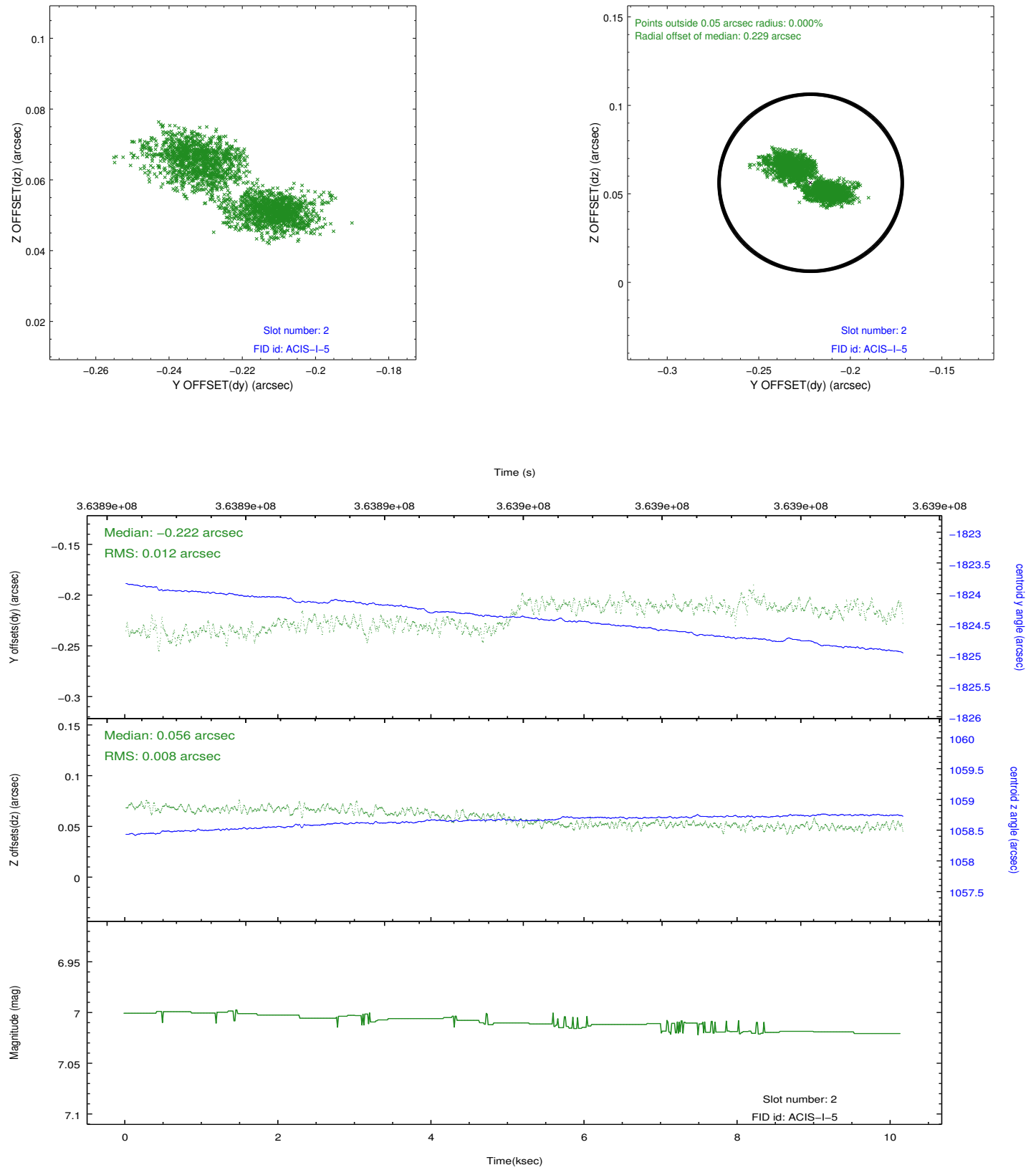
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.146300078034

A.2 Comments