

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9014 - L2 Version 2
Chandra X-Ray Center

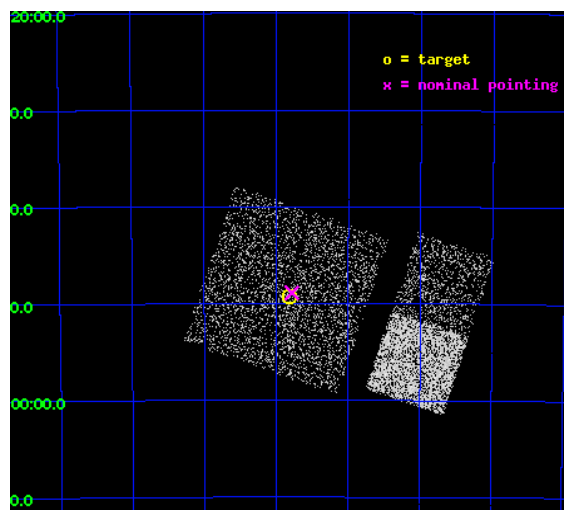
L2 Processing Date : May 6 2012

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1 Front

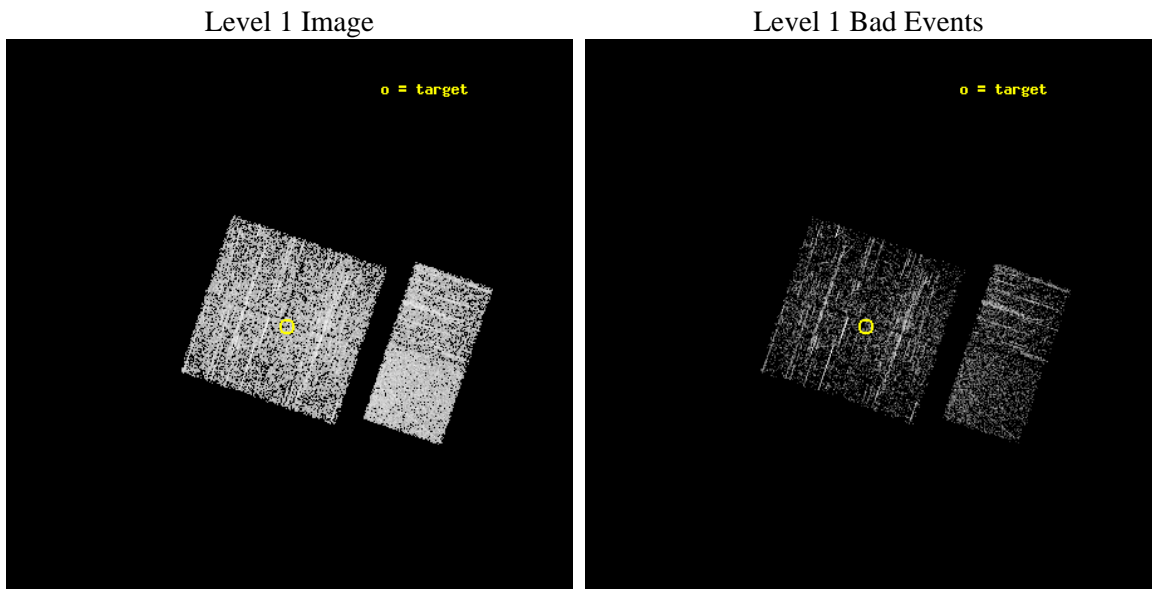
seq_num	400865	Sequence number
obs_id	9014	Observation id
title	Chandra observations of an enigmatic class of faint accreting slow pulsators	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	SAX J1452.8-5949	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.205417	Observer's specified target RA [deg]
dec_targ	-59.821667	Observer's specified target Dec [deg]
ra_nom	223.19525556072	Nominal RA [deg]
dec_nom	-59.814913968093	Nominal Dec [deg]
roll_nom	108.76070672793	Nominal Roll [deg]
revision	2	Processing version of data
ontime	950.39999651909	Sum of GTIs [s]
livetime	938.36545950099	Livetime [s]
ontime0	950.39999651909	Sum of GTIs [s]
ontime1	950.39999651909	Sum of GTIs [s]
ontime2	950.39999651909	Sum of GTIs [s]
ontime3	950.39999651909	Sum of GTIs [s]
ontime6	950.39999651909	Sum of GTIs [s]
ontime7	950.39999651909	Sum of GTIs [s]
l2events	10386	Number of level 2 events



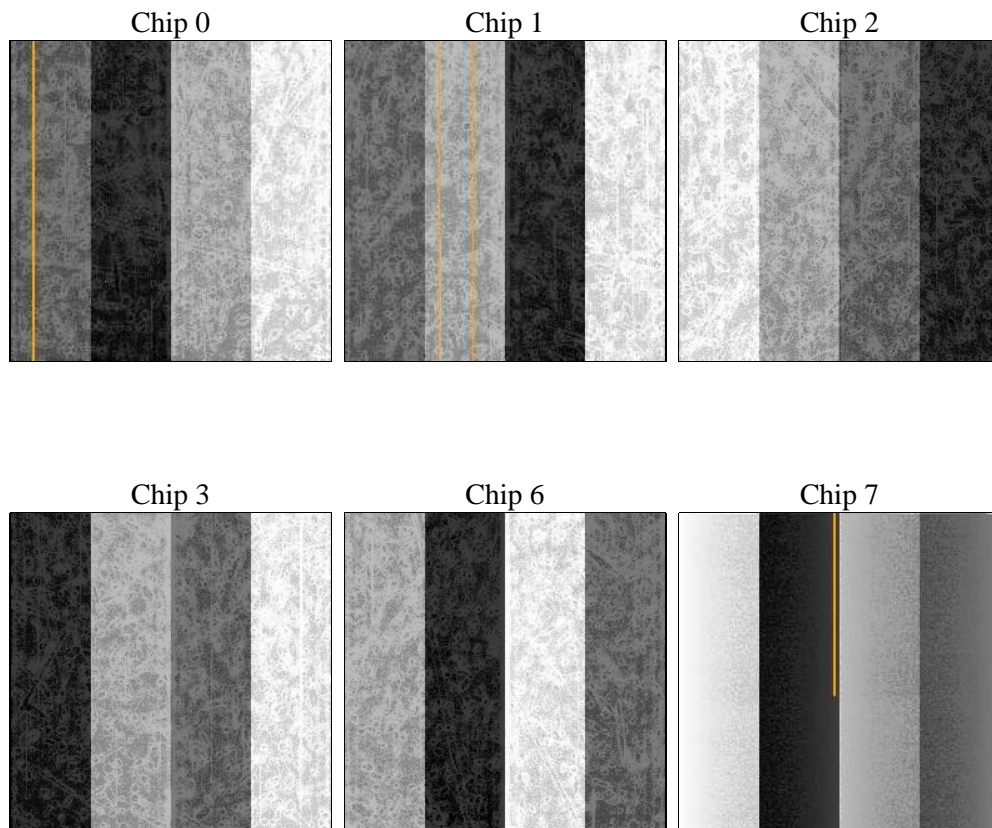
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	950.39999651909	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	950.39999651909	Sum of GTIs [s]
date	2012-05-06T15:24:33	Date and time of file creation	ontime1	950.39999651909	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	950.39999651909	Sum of GTIs [s]
			ontime3	950.39999651909	Sum of GTIs [s]
			ontime6	950.39999651909	Sum of GTIs [s]
			ontime7	950.39999651909	Sum of GTIs [s]
			l1events	59830	Number of level 1 events

2.1.4 Events

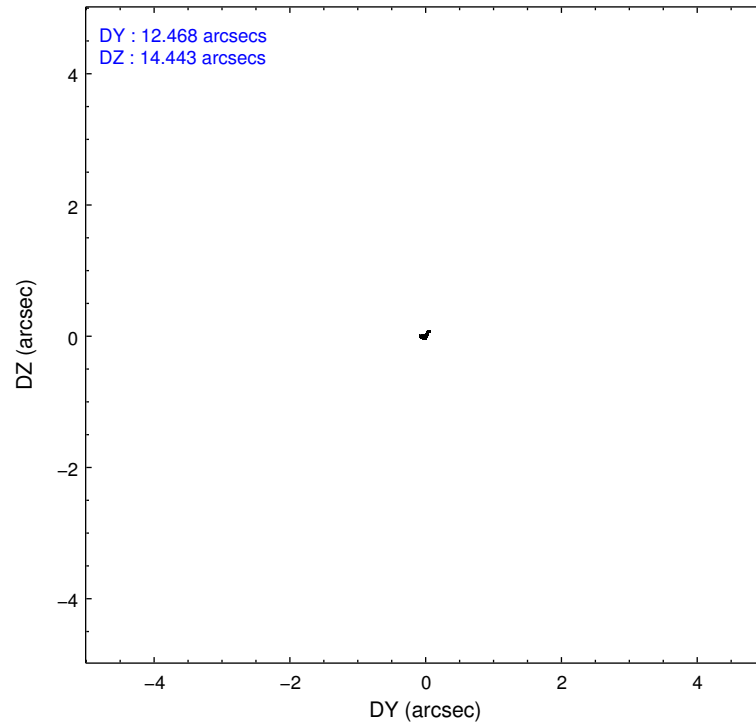
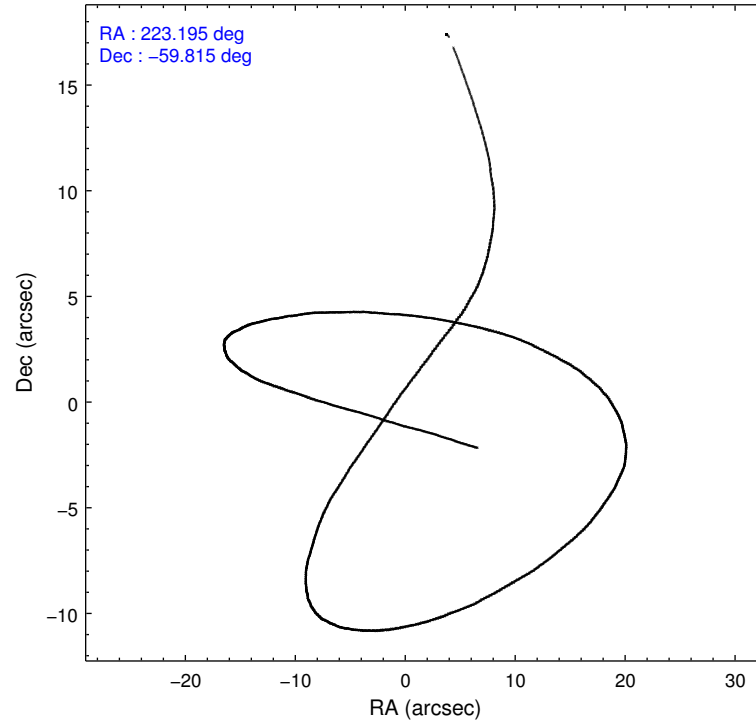
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	8739	9494	9211	9152	10067	13167
rejected events	7667	8357	8018	7937	8911	7681
rejected %	87%	88%	87%	86%	88%	58%

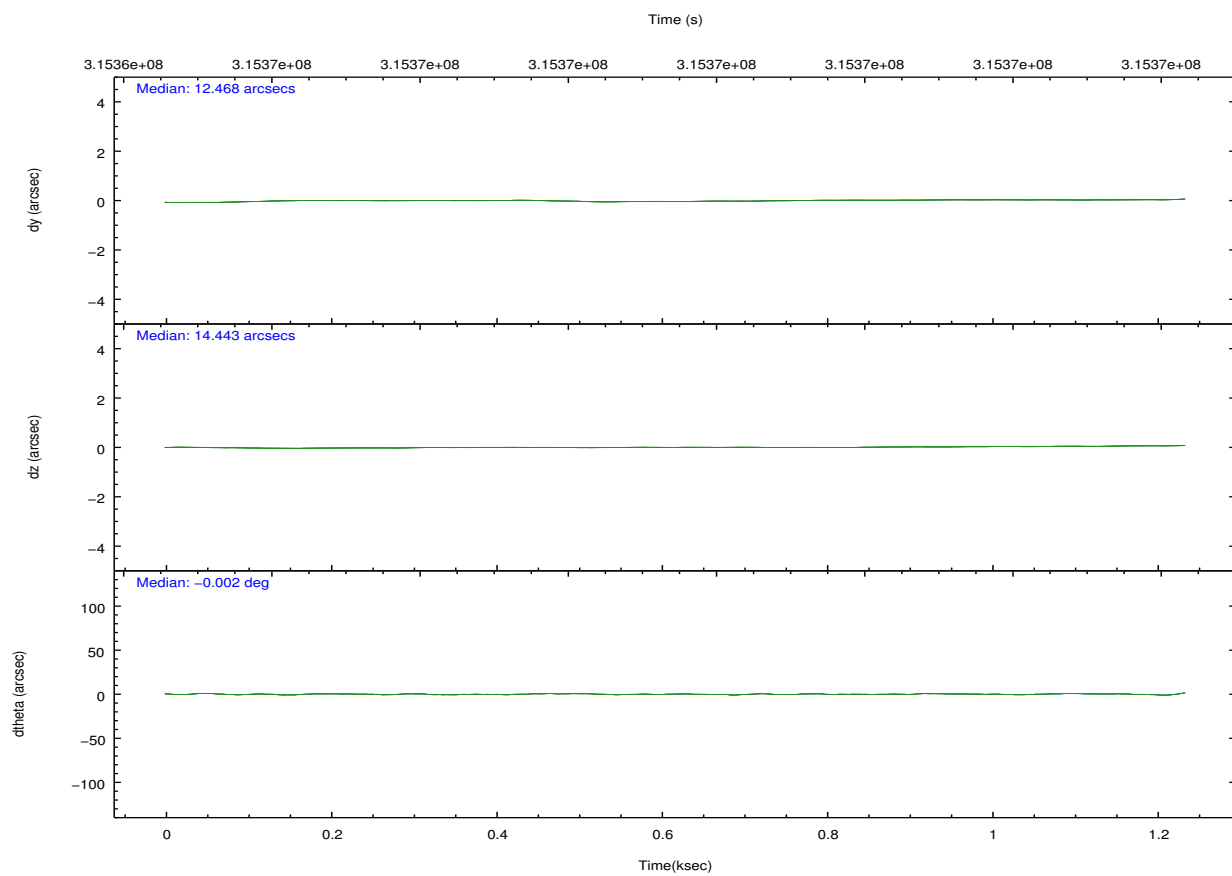
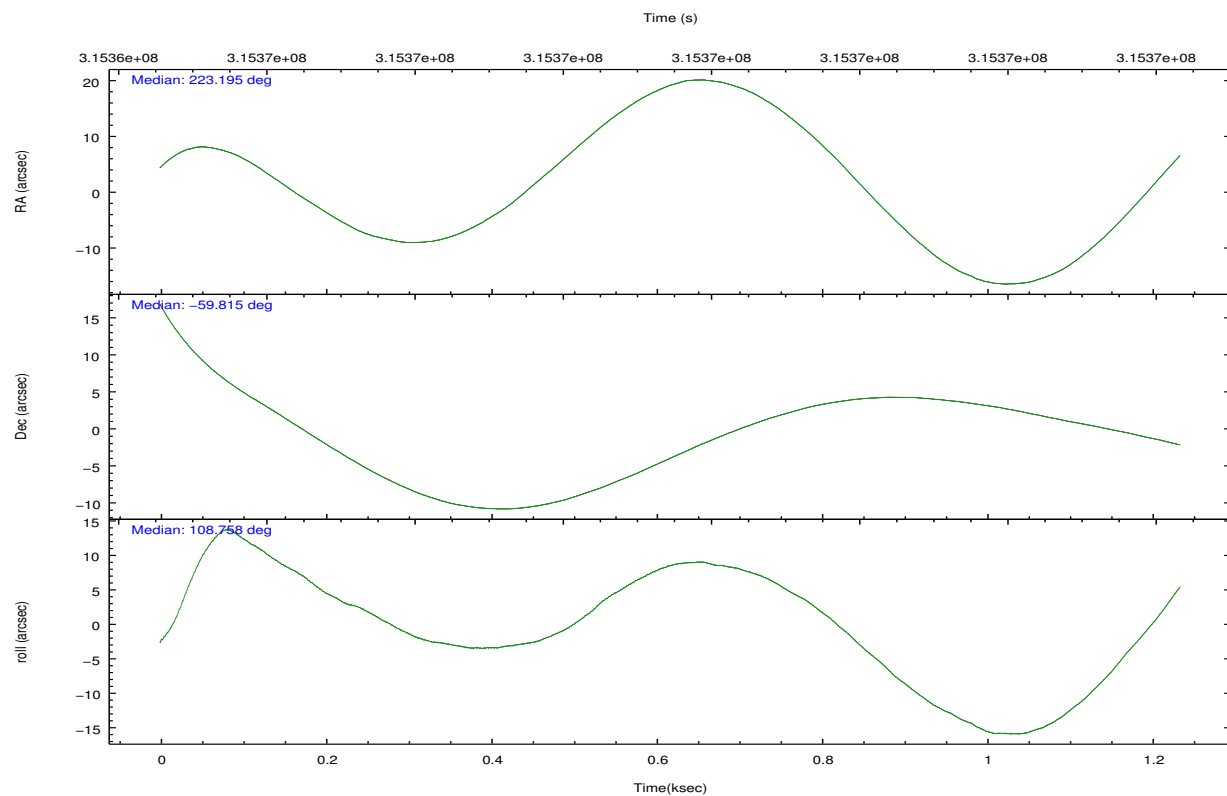
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	451	443	568	542	441	453
	5%	4%	6%	5%	4%	3%
grade 1 events	9	7	3	8	3	17
	0%	0%	0%	0%	0%	0%
grade 2 events	250	245	217	241	261	1146
	2%	2%	2%	2%	2%	8%
grade 3 events	86	118	101	115	98	458
	0%	1%	1%	1%	0%	3%
grade 4 events	94	115	129	115	108	471
	1%	1%	1%	1%	1%	3%
grade 5 events	392	382	353	439	480	1275
	4%	4%	3%	4%	4%	9%
grade 6 events	206	224	185	210	254	2996
	2%	2%	2%	2%	2%	22%
grade 7 events	7251	7960	7655	7482	8422	6351
	82%	83%	83%	81%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	223.237245	223.1952555607162	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.833156	-59.81491396809346	CCD I3 on	Y	Y
[deg] Pointing Roll	108.588497	108.7607067279262	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	315365353.184000	315364366.98223	CCD S5 on	N	N
Observation start date	2007-12-30T01:28:08	2007-12-30T01:12:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315366353.184000	315367366.64487	On-chip summing requested	N	N
Observation end date	2007-12-30T01:44:48	2007-12-30T02:02:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



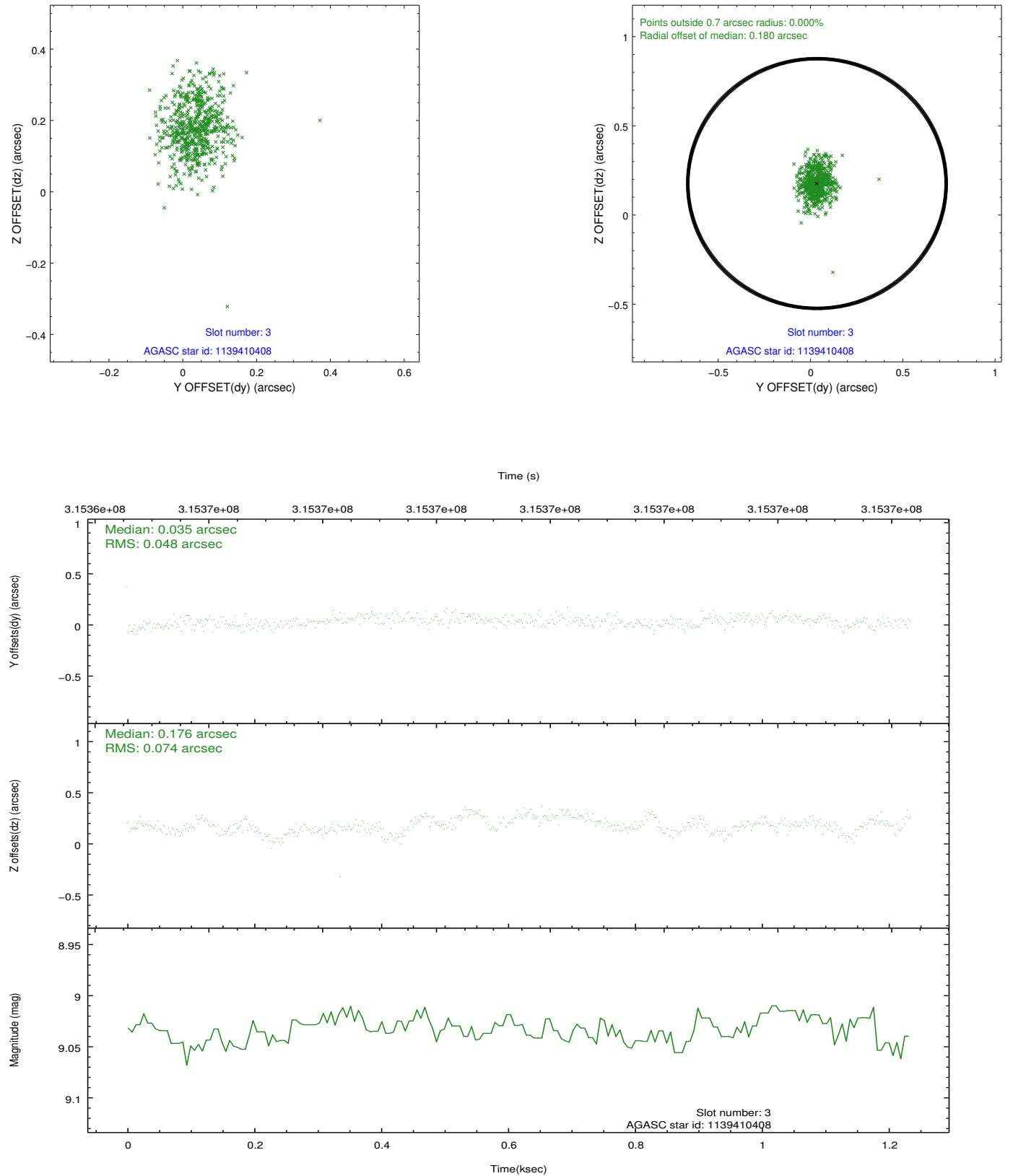


Slot Statistics

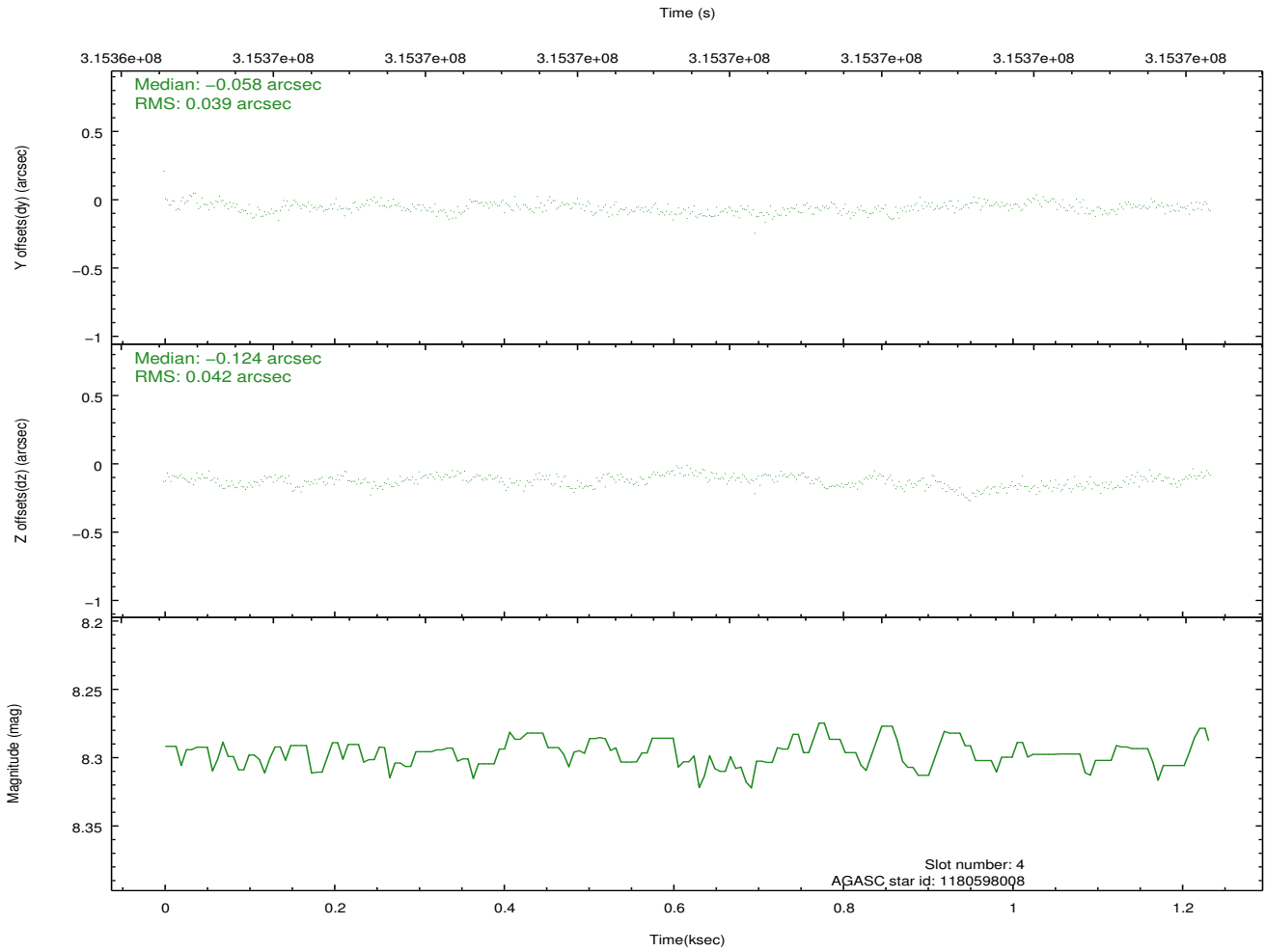
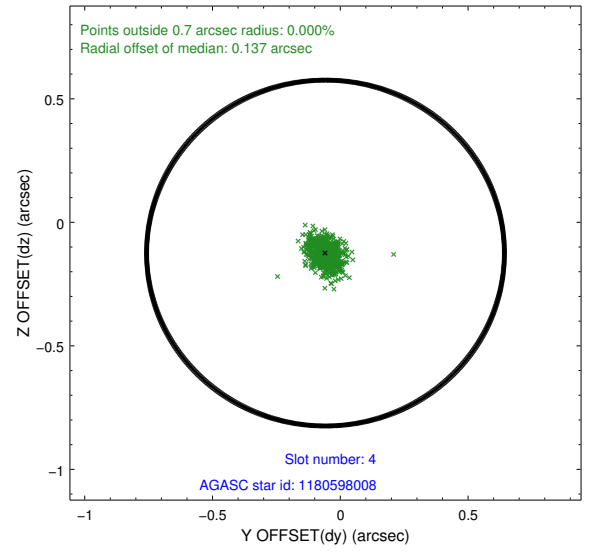
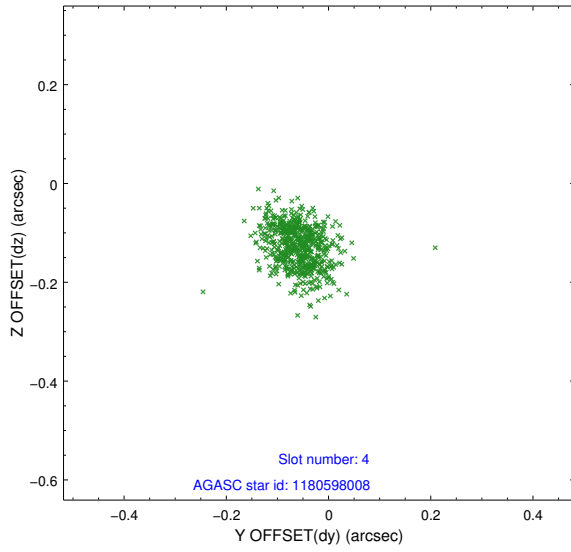
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	302	0.018	0.011	0.006	0.010	0.000000	0.000000	927.09	-838.02
1	FID	ACIS-I-5	7.22	302	-0.192	0.030	0.006	0.010	0.000000	0.000000	-1818.26	1056.77
2	FID	ACIS-I-6	7.23	302	0.083	0.030	0.007	0.010	0.000000	0.000000	386.83	1707.39
3	GUIDE	1139410408	9.03	603	0.035	0.176	0.090	0.158	223.664569	-59.994724	-799.77	-543.55
4	GUIDE	1180598008	8.30	602	-0.058	-0.124	0.058	0.095	222.659815	-60.204255	-943.79	1404.50
5	GUIDE	1180607104	9.23	603	-0.062	-0.116	0.108	0.171	222.334909	-60.079886	-338.83	1825.23
6	GUIDE	1182276336	8.97	603	0.061	-0.086	0.076	0.121	222.934447	-60.498420	-2101.59	1274.81
7	GUIDE	1182275400	8.74	602	0.029	0.151	0.074	0.121	224.255391	-60.354079	-2373.02	-1114.76

2.4 Star Slots

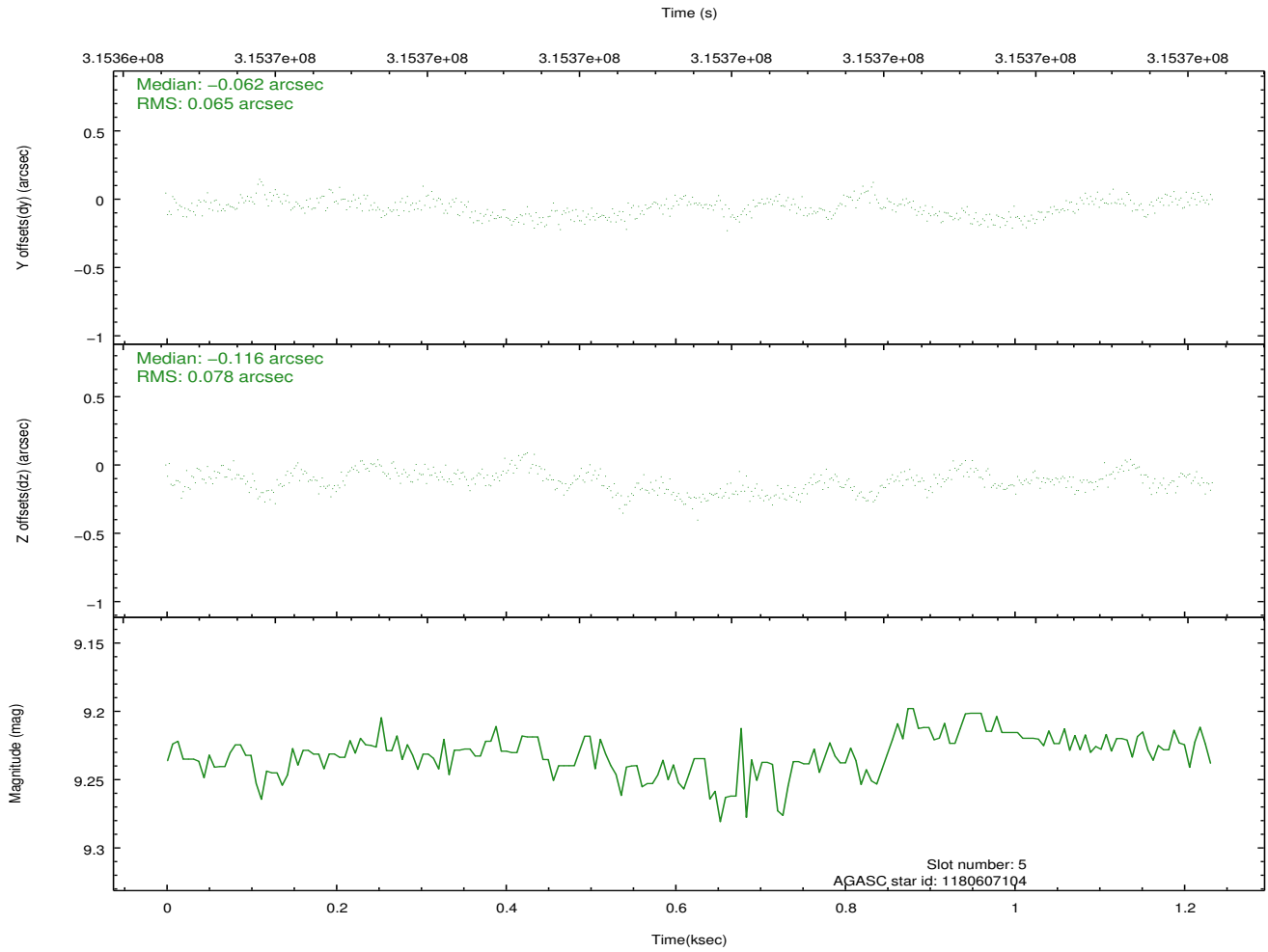
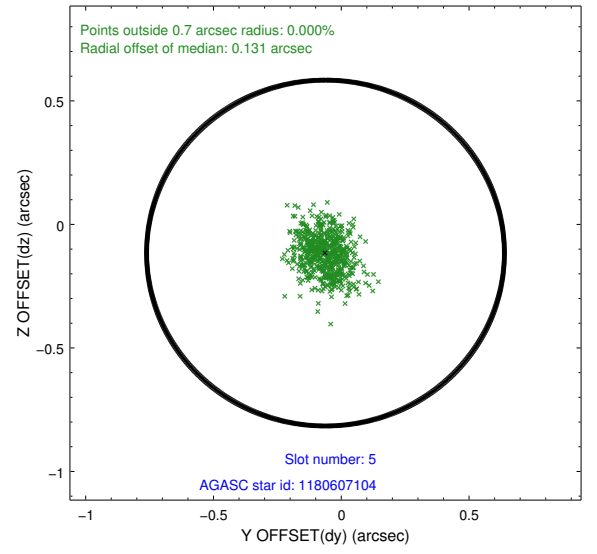
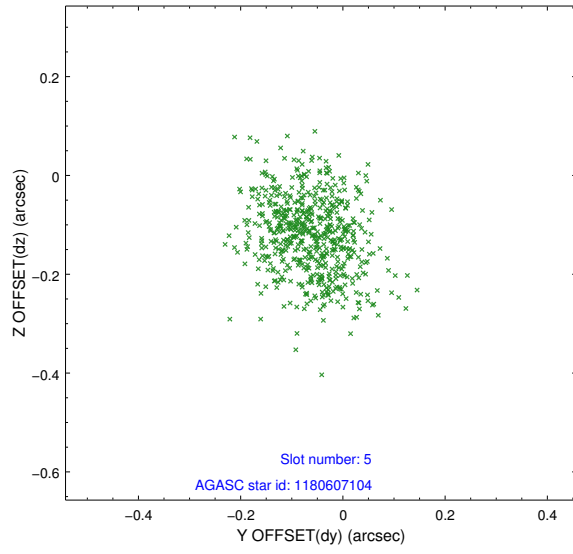
2.4.1 Slot 3



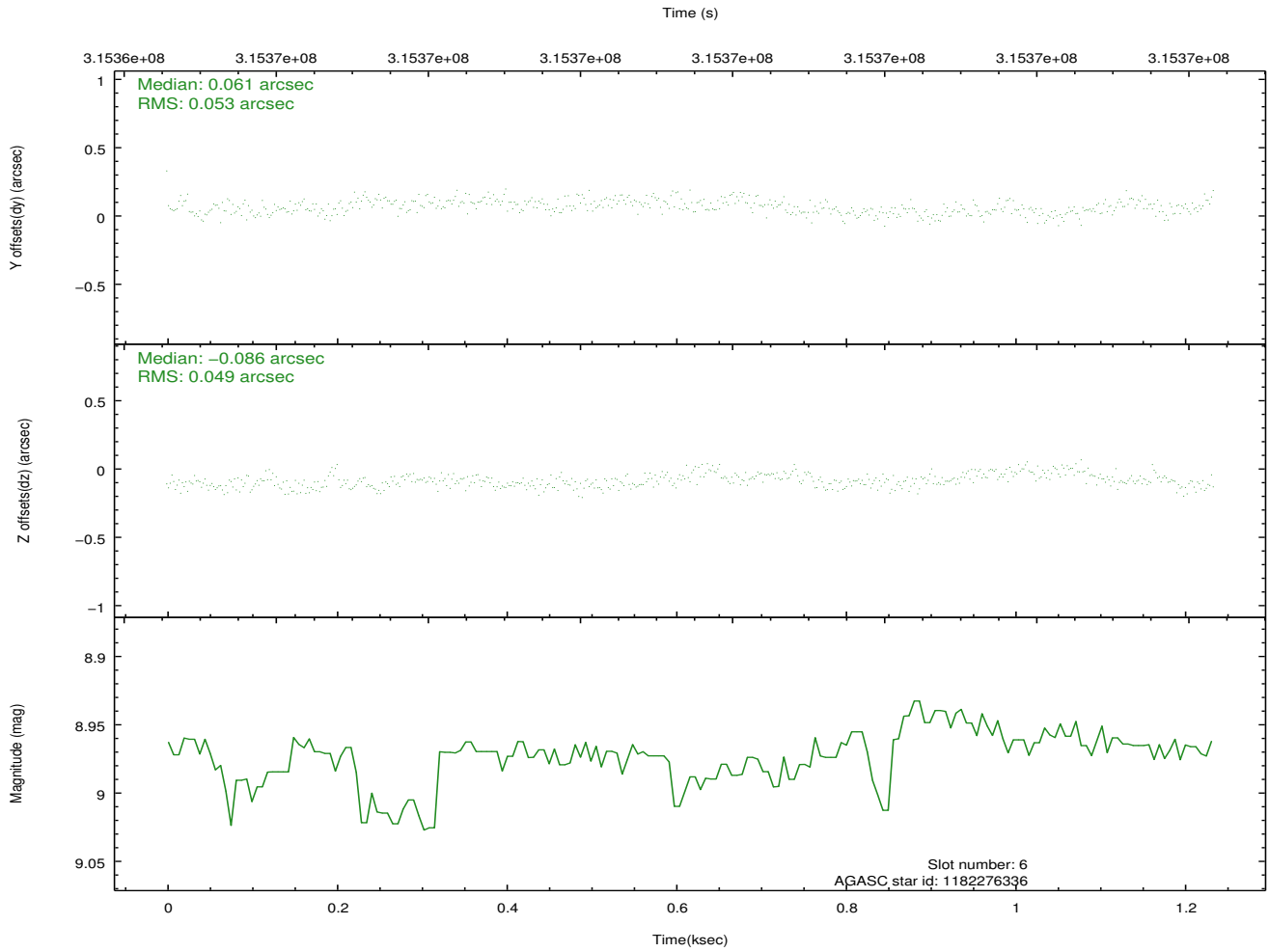
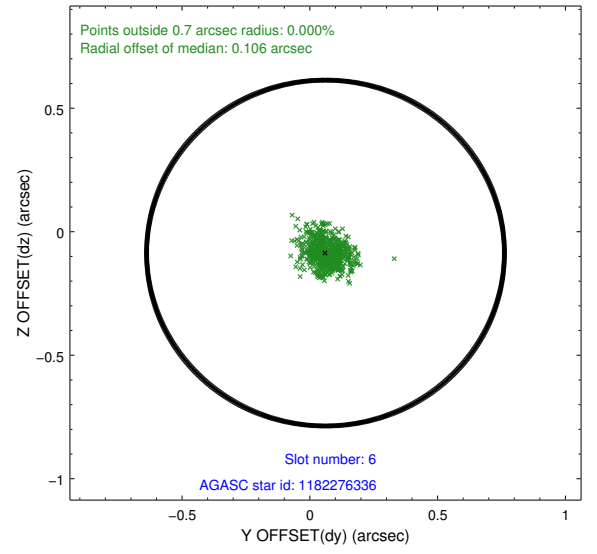
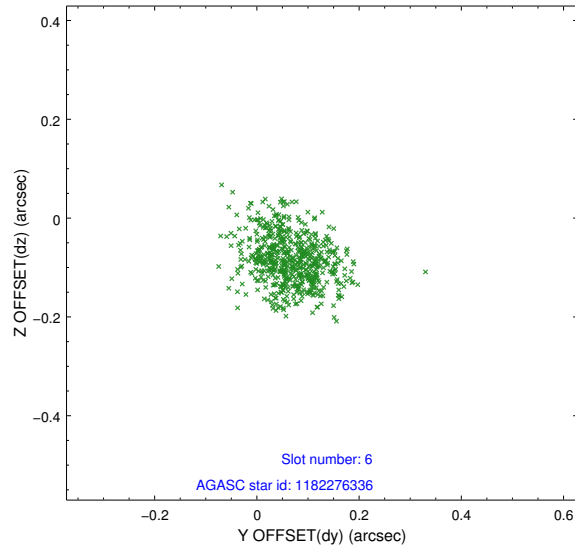
2.4.2 Slot 4



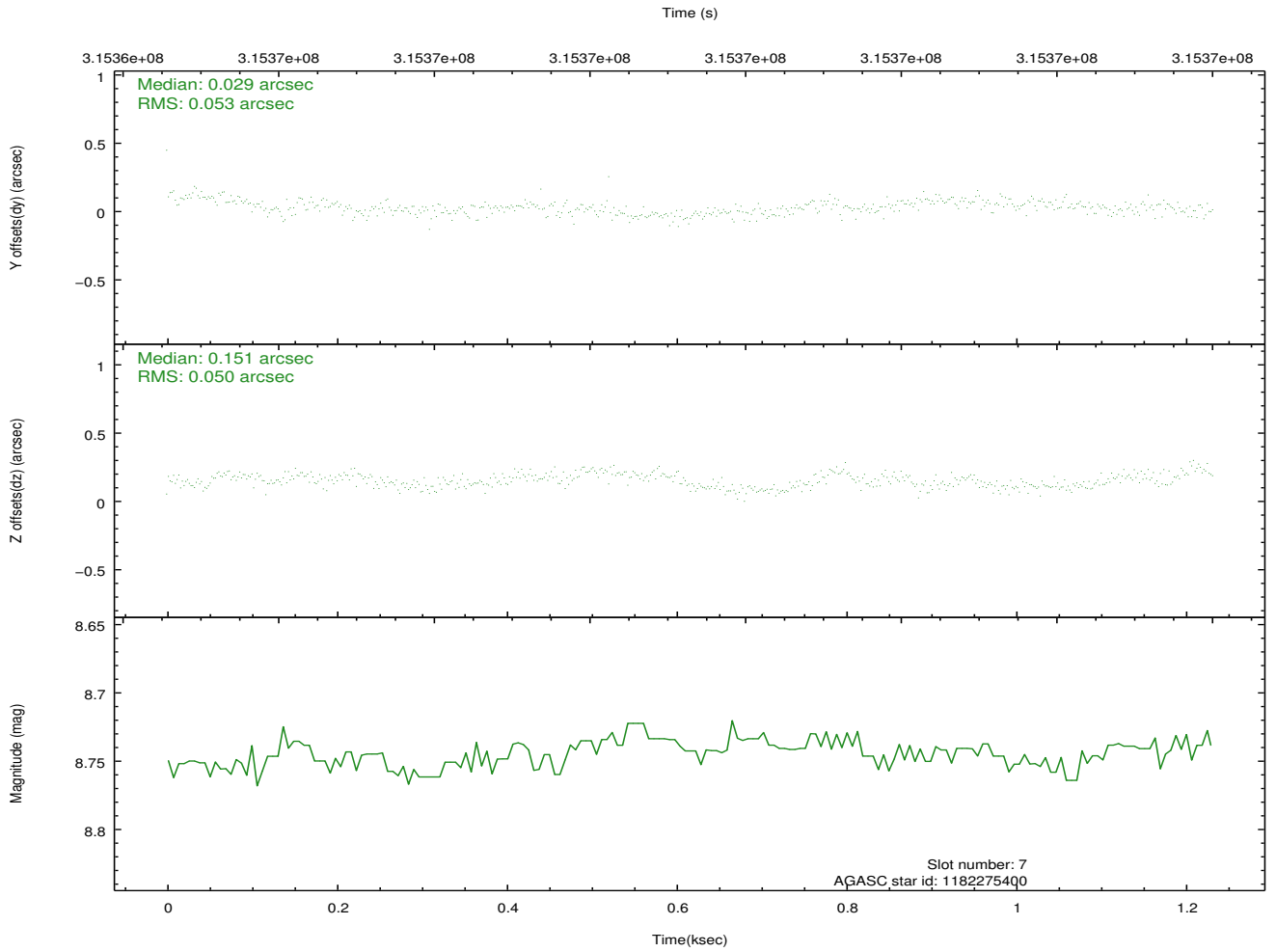
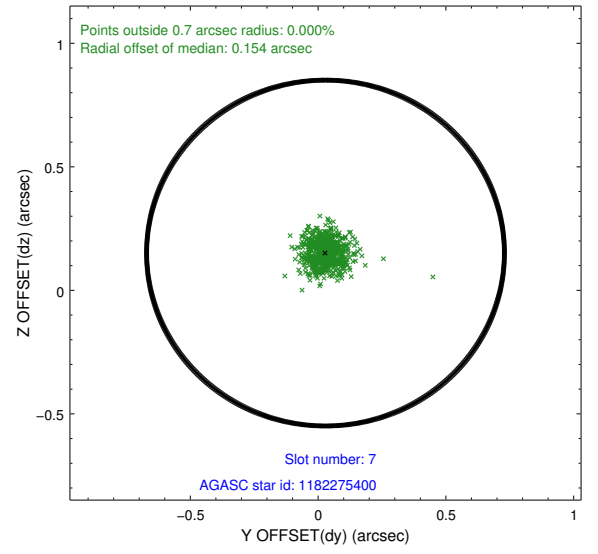
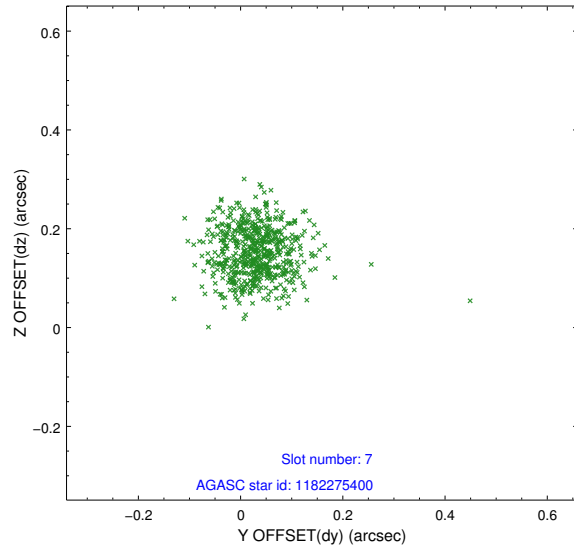
2.4.3 Slot 5



2.4.4 Slot 6

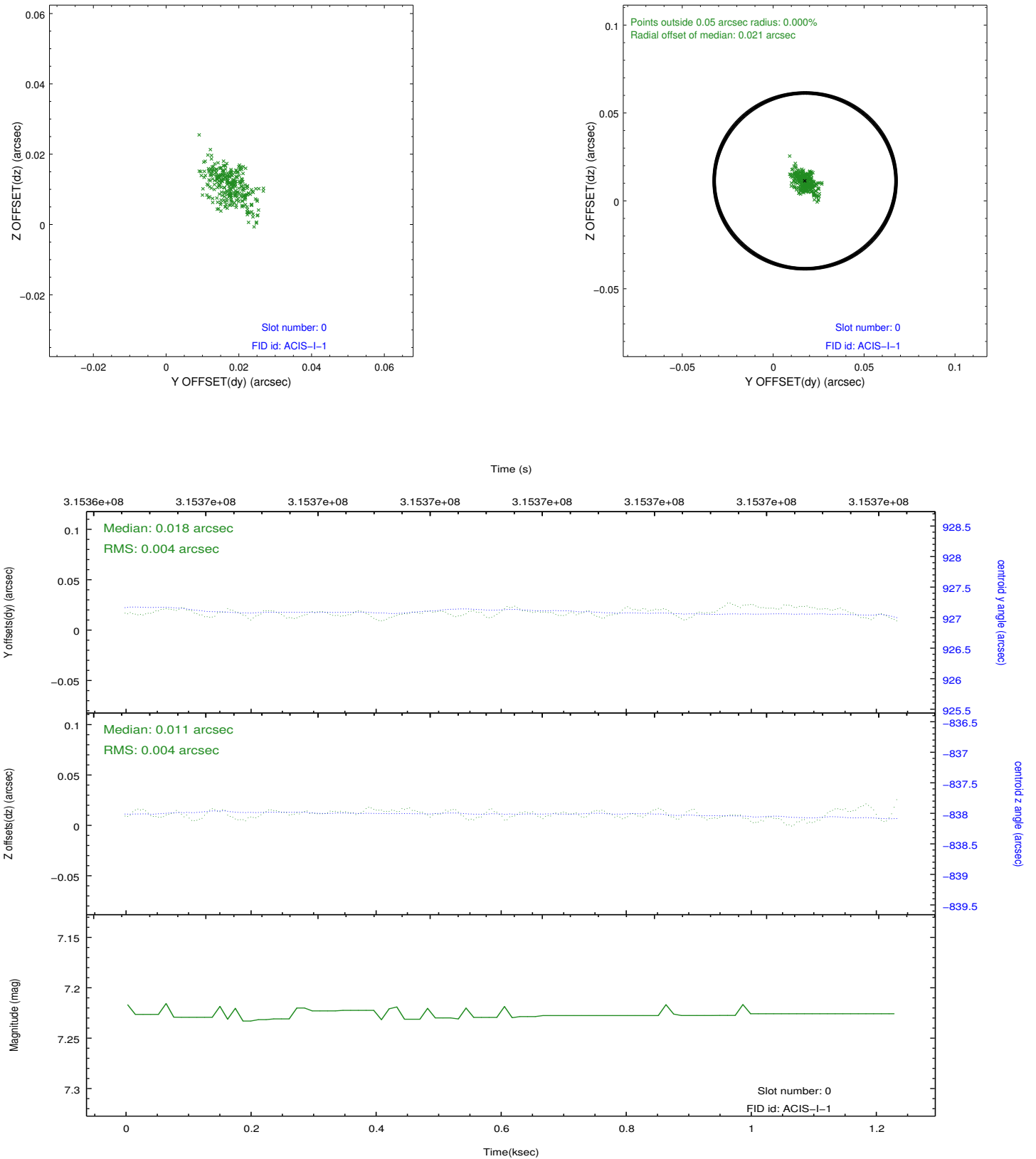


2.4.5 Slot 7

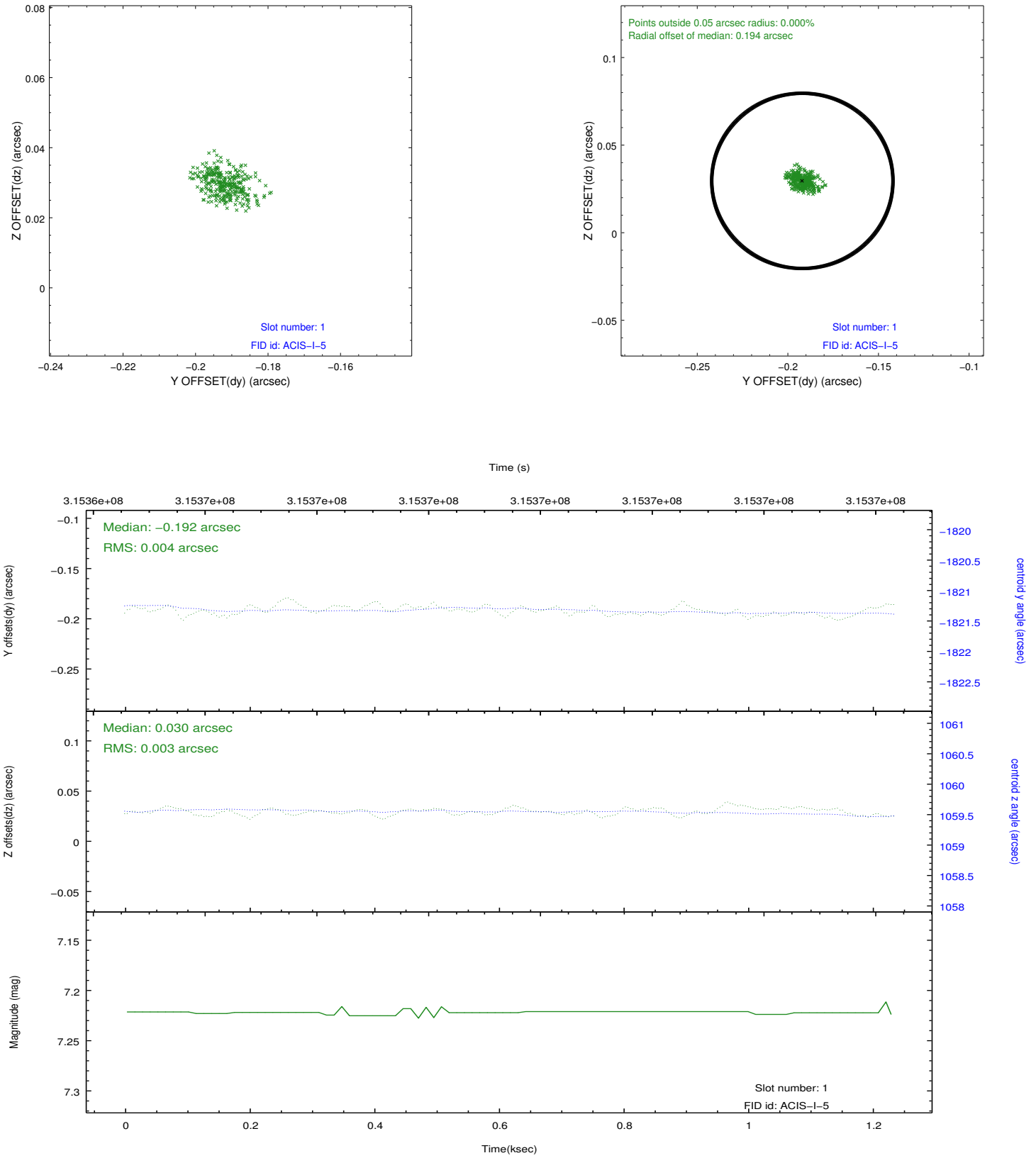


2.5 FID Slots

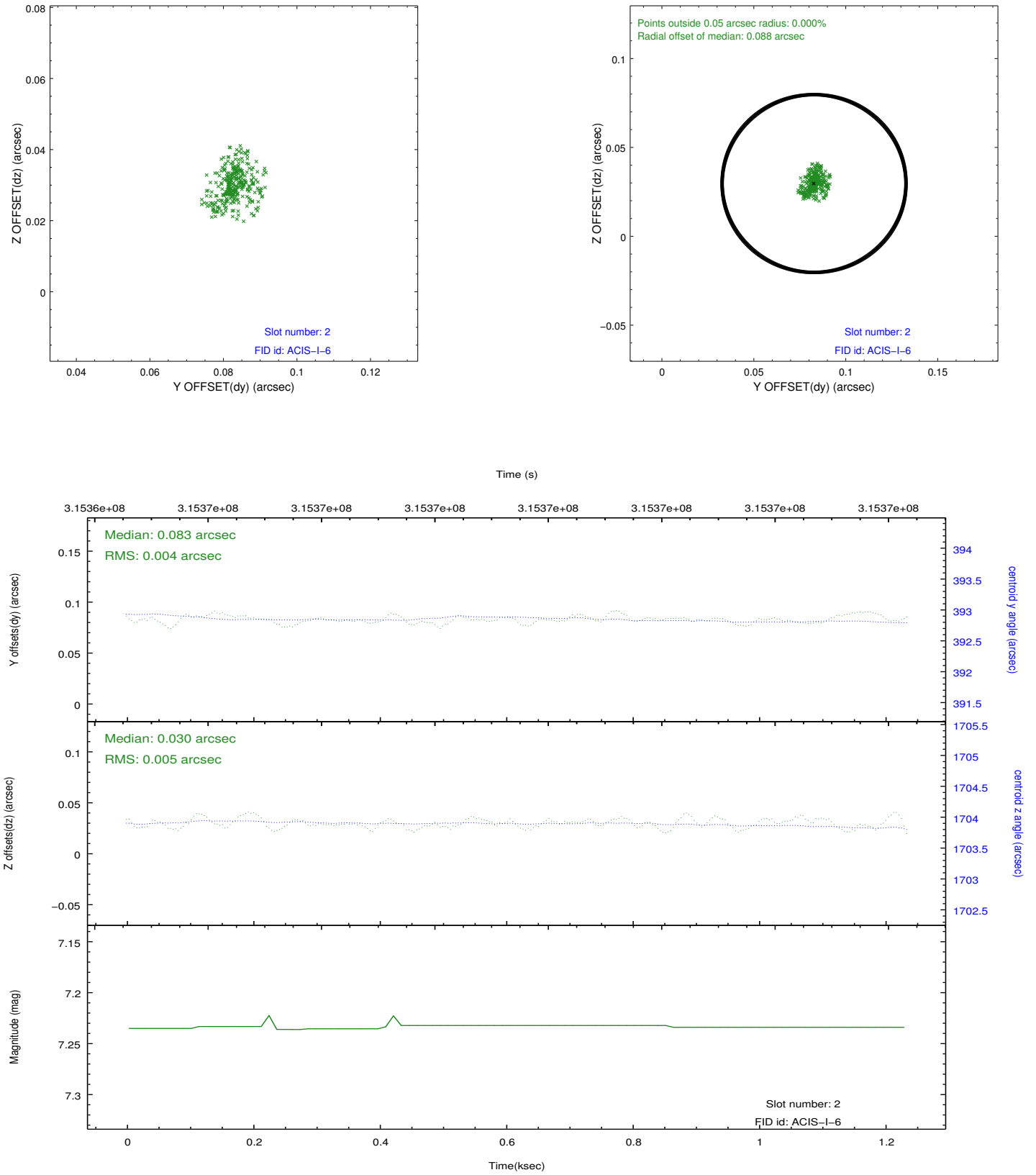
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.95039999

A.2 Comments

Joint Proposal: XMM