

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7481 - L2 Version 2
Chandra X-Ray Center

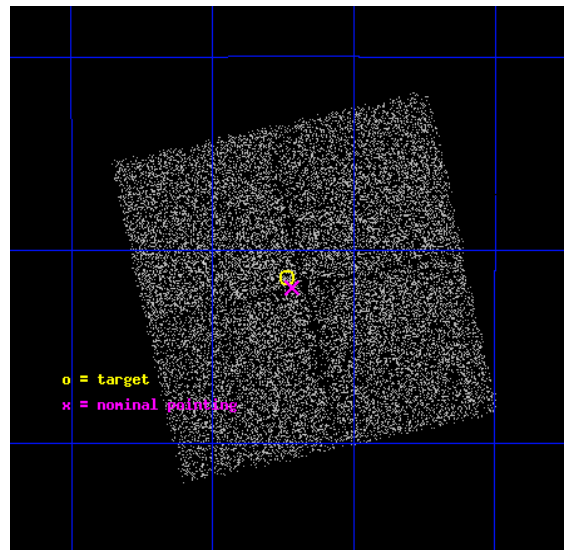
L2 Processing Date : Apr 29 2012

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1 Front

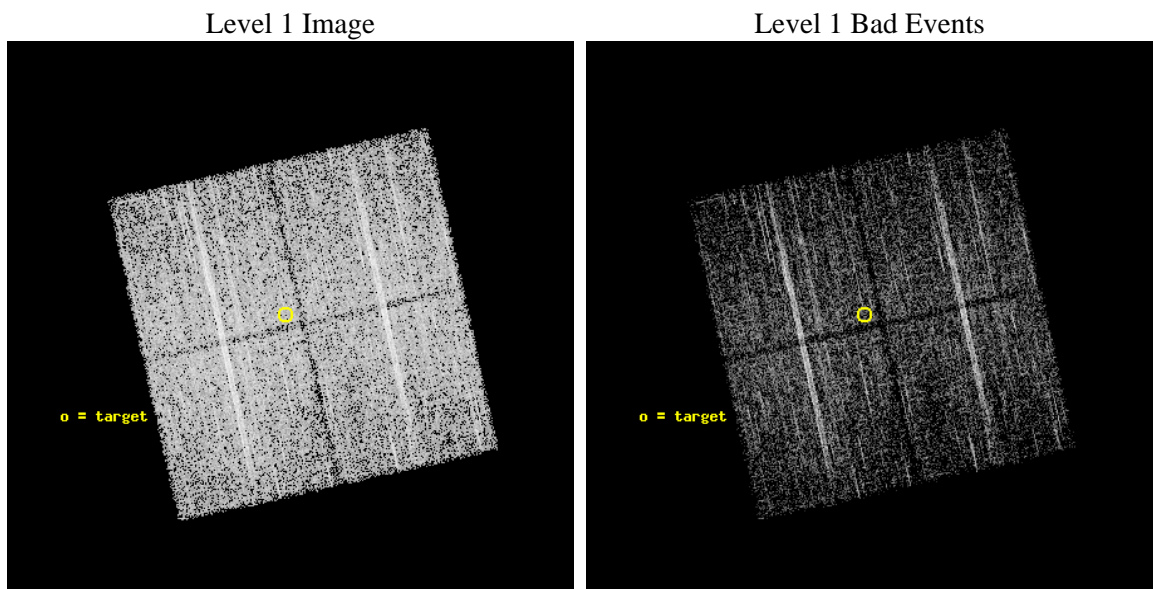
seq_num	400591	Sequence number
obs_id	7481	Observation id
title	A Red Giant Companion for the Transient 7.8 s Pulsar XTE J1829-098 ?	
observer	Prof. Jules Halpern	Principal investigator
object	XTE J1829-098	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.43375	Observer's specified target RA [deg]
dec_targ	-9.856472	Observer's specified target Dec [deg]
ra_nom	277.42985706245	Nominal RA [deg]
dec_nom	-9.8657353548146	Nominal Dec [deg]
roll_nom	257.50176442069	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5186.3000398874	Sum of GTIs [s]
livetime	5118.5372117678	Livetime [s]
ontime0	5186.3000398874	Sum of GTIs [s]
ontime1	5180.0179994106	Sum of GTIs [s]
ontime2	5186.3000398874	Sum of GTIs [s]
ontime3	5186.3000398874	Sum of GTIs [s]
l2events	21968	Number of level 2 events



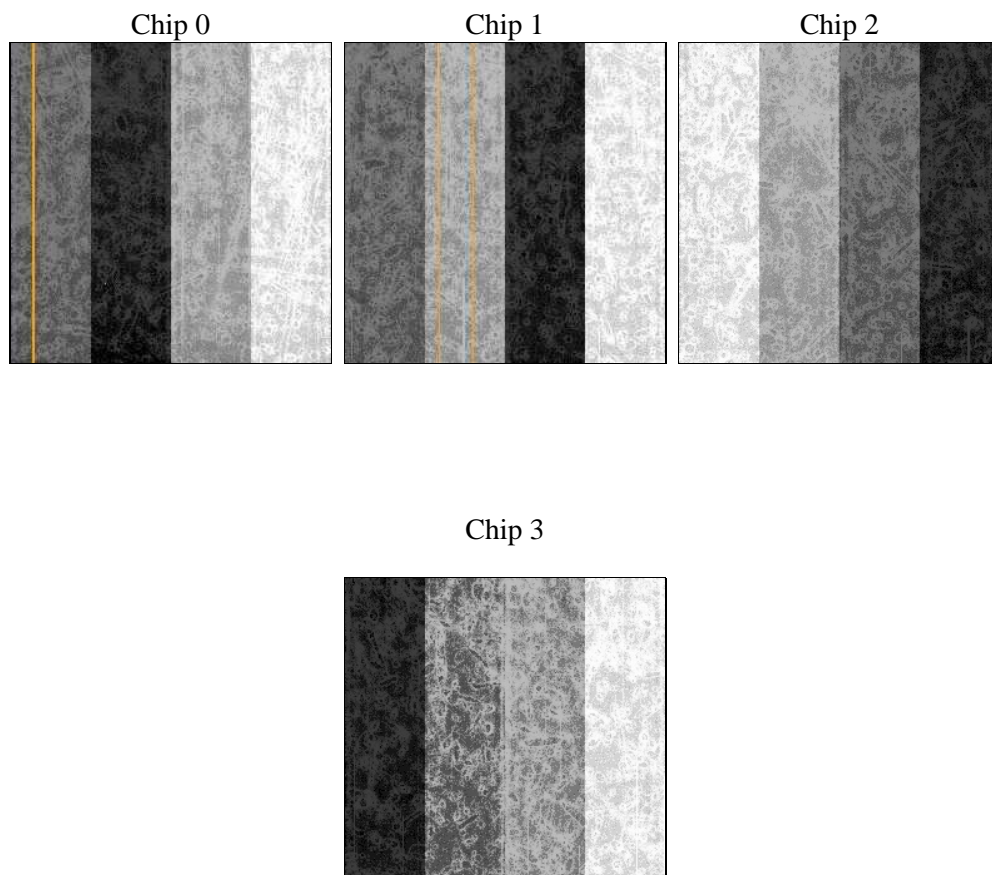
2 OBI

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	8.4.4	Processing system revision	ontime	5186.3000398874	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5186.3000398874	Sum of GTIs [s]
date	2012-04-29T03:04:53	Date and time of file creation	ontime1	5180.0179994106	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5186.3000398874	Sum of GTIs [s]
			ontime3	5186.3000398874	Sum of GTIs [s]
			l1events	211782	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	50782	51625	54091	55284
rejected events	44418	45002	47954	48953
rejected %	87%	87%	88%	88%

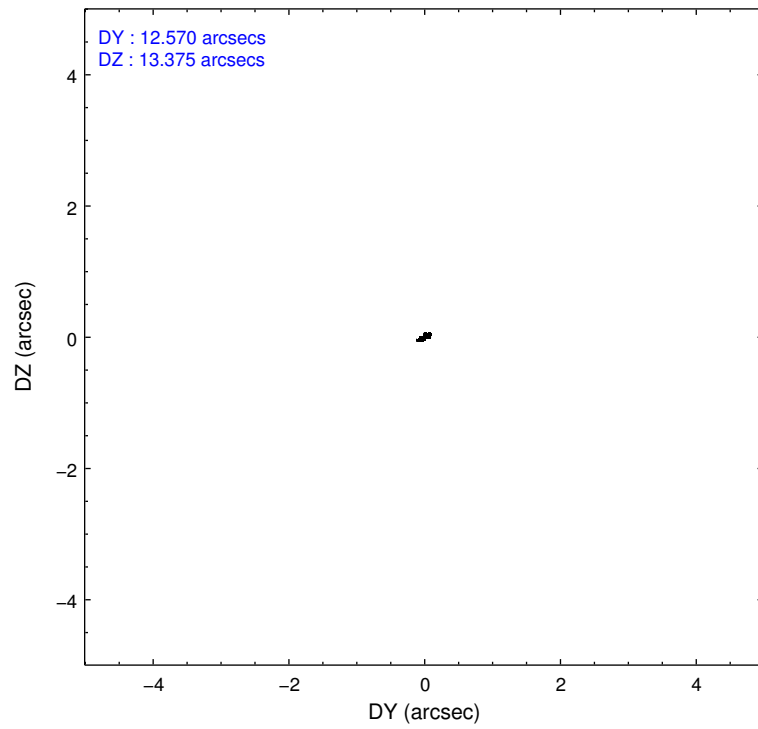
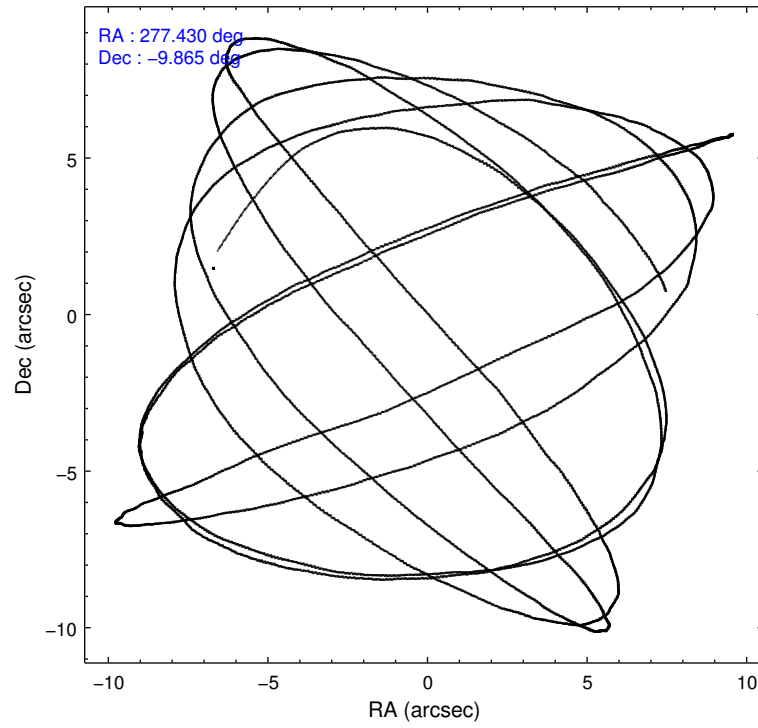
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3072	2862	3025	3130
	6%	5%	5%	5%
grade 1 events	28	38	32	33
	0%	0%	0%	0%
grade 2 events	1485	1619	1378	1392
	2%	3%	2%	2%
grade 3 events	691	714	616	655
	1%	1%	1%	1%
grade 4 events	602	636	623	672
	1%	1%	1%	1%
grade 5 events	2259	2353	2181	2588
	4%	4%	4%	4%
grade 6 events	1199	1394	1131	1172
	2%	2%	2%	2%
grade 7 events	41446	42009	45105	45642
	81%	81%	83%	82%

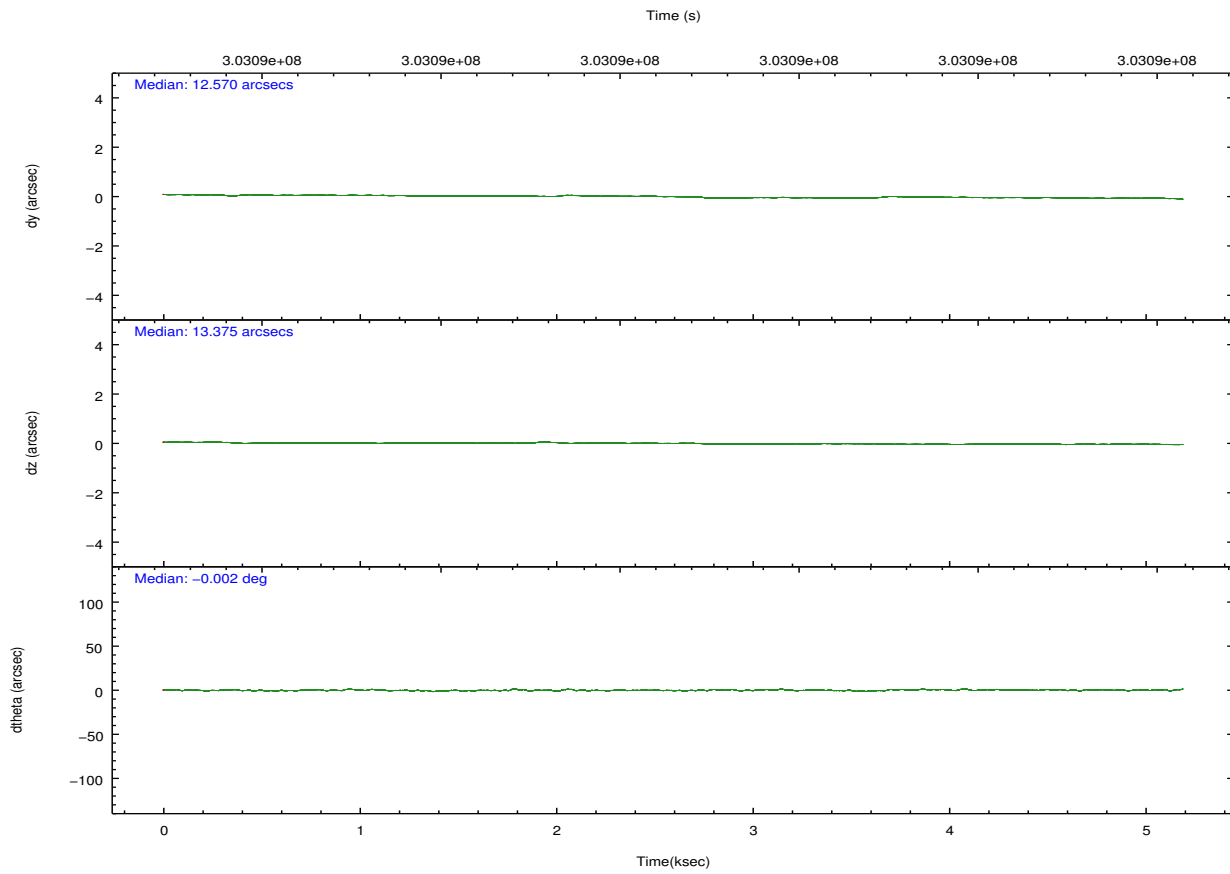
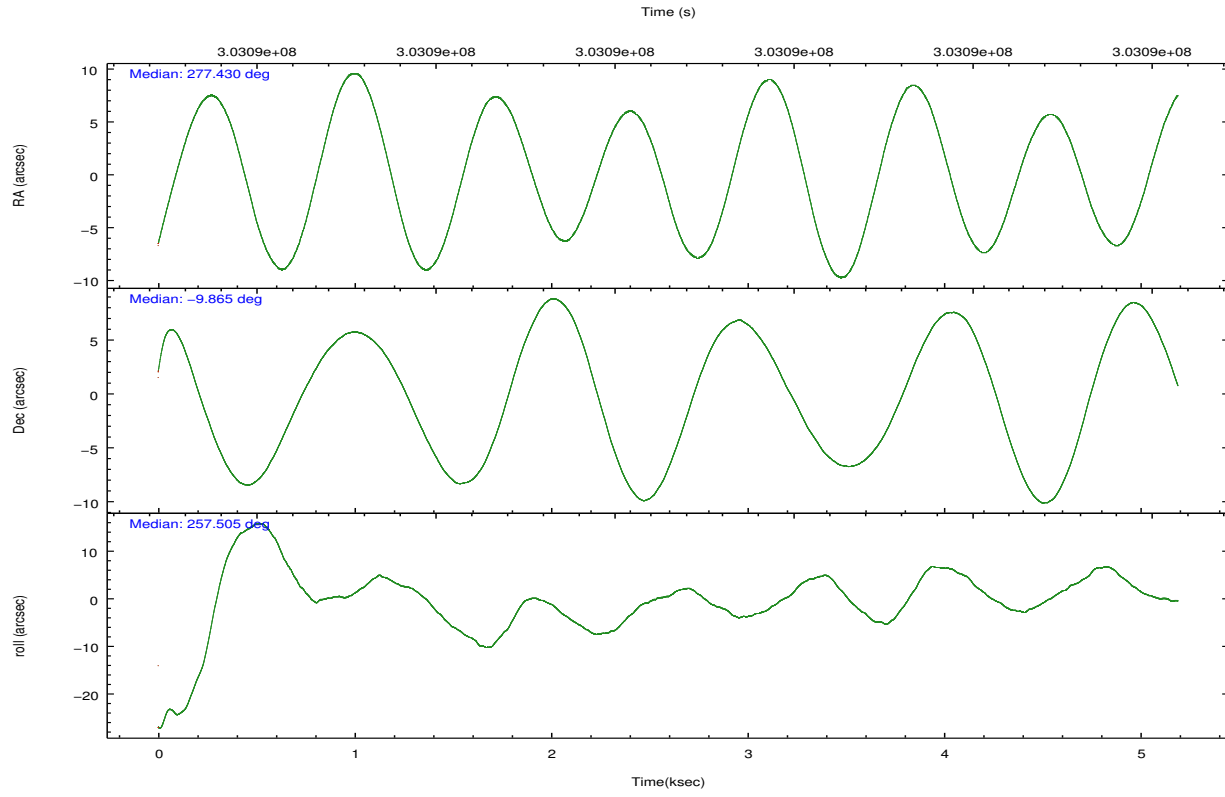
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-0123	ACIS-0123
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	277.421311	277.4298570624454
[deg] Pointing Dec	-9.839582	-9.86573535481458
[deg] Pointing Roll	257.291610	257.5017644206866
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	303088891.184000	303087559.0653
Observation start date	2007-08-09T23:20:26	2007-08-09T22:59:19
[s] Observation end time (MET)	303093891.184000	303094432.20313
Observation end date	2007-08-10T00:43:46	2007-08-10T00:53:52
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	O1	Y
CCD I1 on	O2	Y
CCD I2 on	O3	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	N	N
CCD S3 on	N	N
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



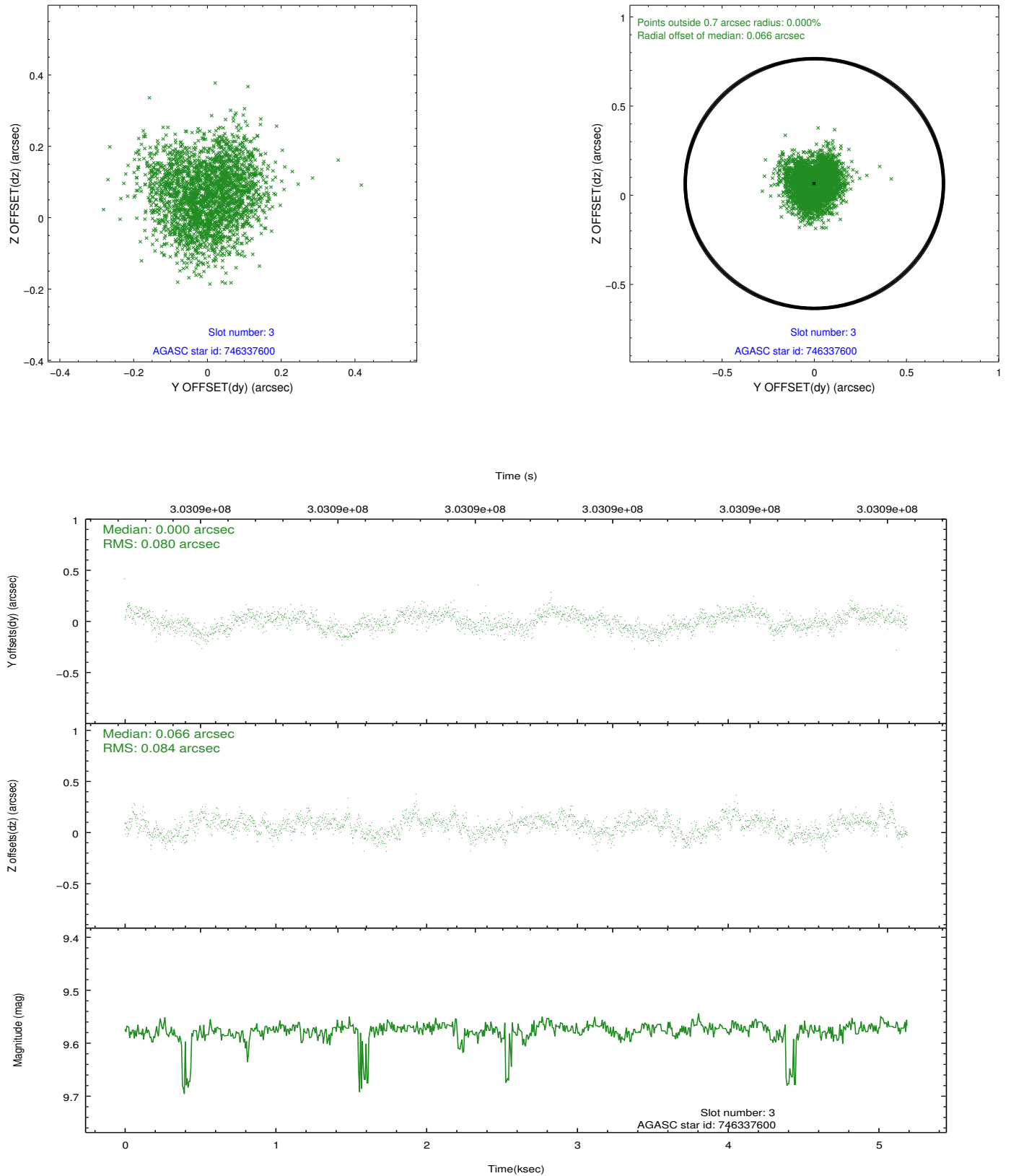


Slot Statistics

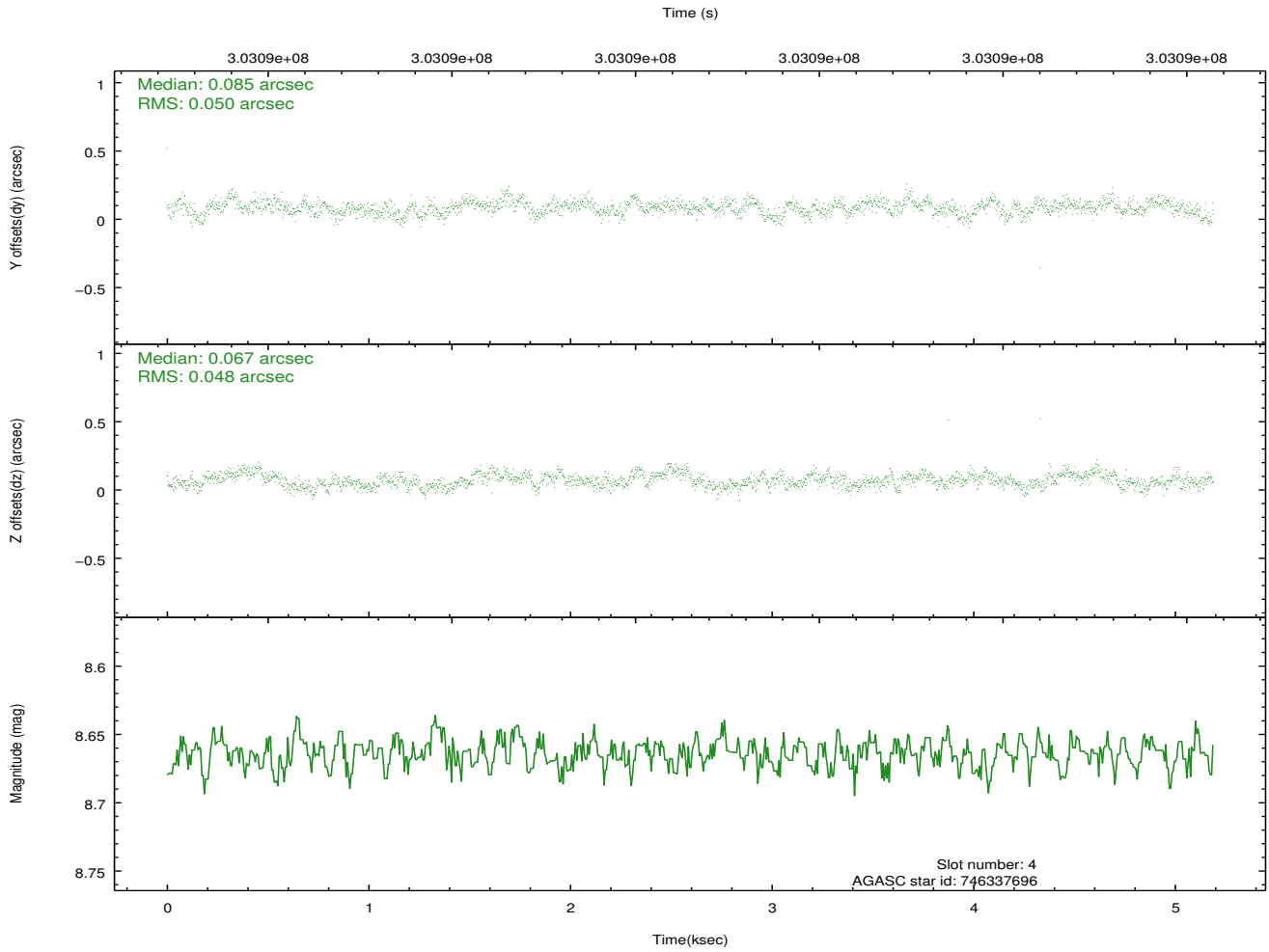
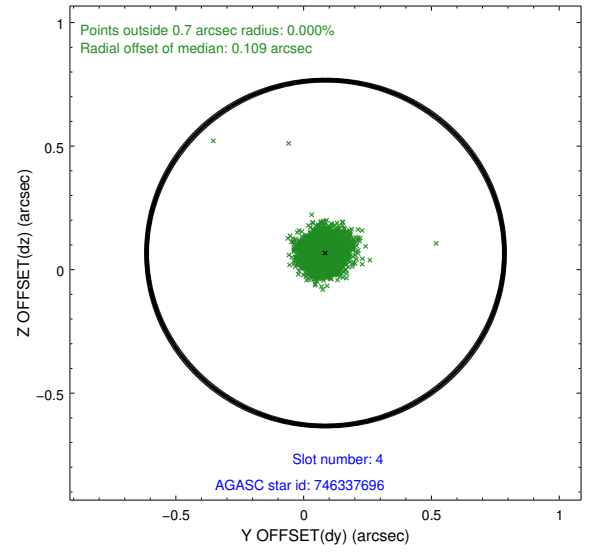
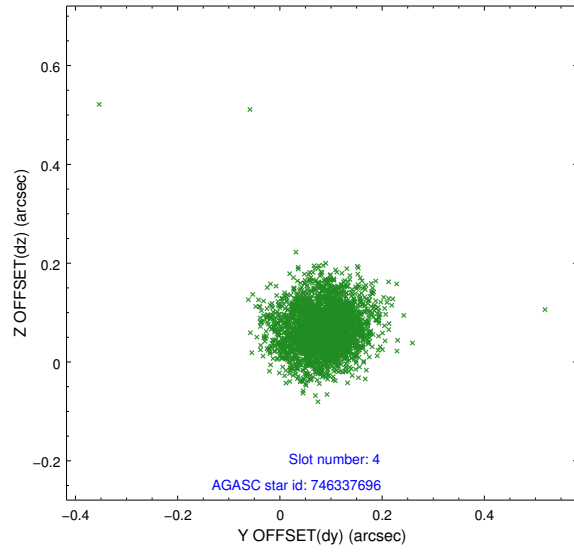
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1267	0.038	0.002	0.007	0.014	0.000000	0.000000	927.00	-836.92
1	FID	ACIS-I-5	7.23	1267	-0.205	0.047	0.008	0.019	0.000000	0.000000	-1820.71	1060.02
2	FID	ACIS-I-6	7.24	1267	0.075	0.021	0.007	0.013	0.000000	0.000000	391.31	1705.83
3	GUIDE	746337600	9.58	2515	0.000	0.066	0.127	0.192	277.210435	-9.639804	-536.02	-887.92
4	GUIDE	746337696	8.66	2532	0.085	0.067	0.072	0.113	277.198817	-10.226535	1533.30	-462.11
5	GUIDE	746338440	9.67	2532	-0.001	-0.054	0.103	0.172	277.545963	-9.496982	-1299.20	160.48
6	GUIDE	746338464	9.43	2528	-0.021	-0.128	0.130	0.203	277.427613	-10.292647	1586.29	380.63
7	GUIDE	746460552	10.20	2528	-0.057	0.049	0.154	0.247	277.919390	-9.521528	-1503.44	1473.98

2.4 Star Slots

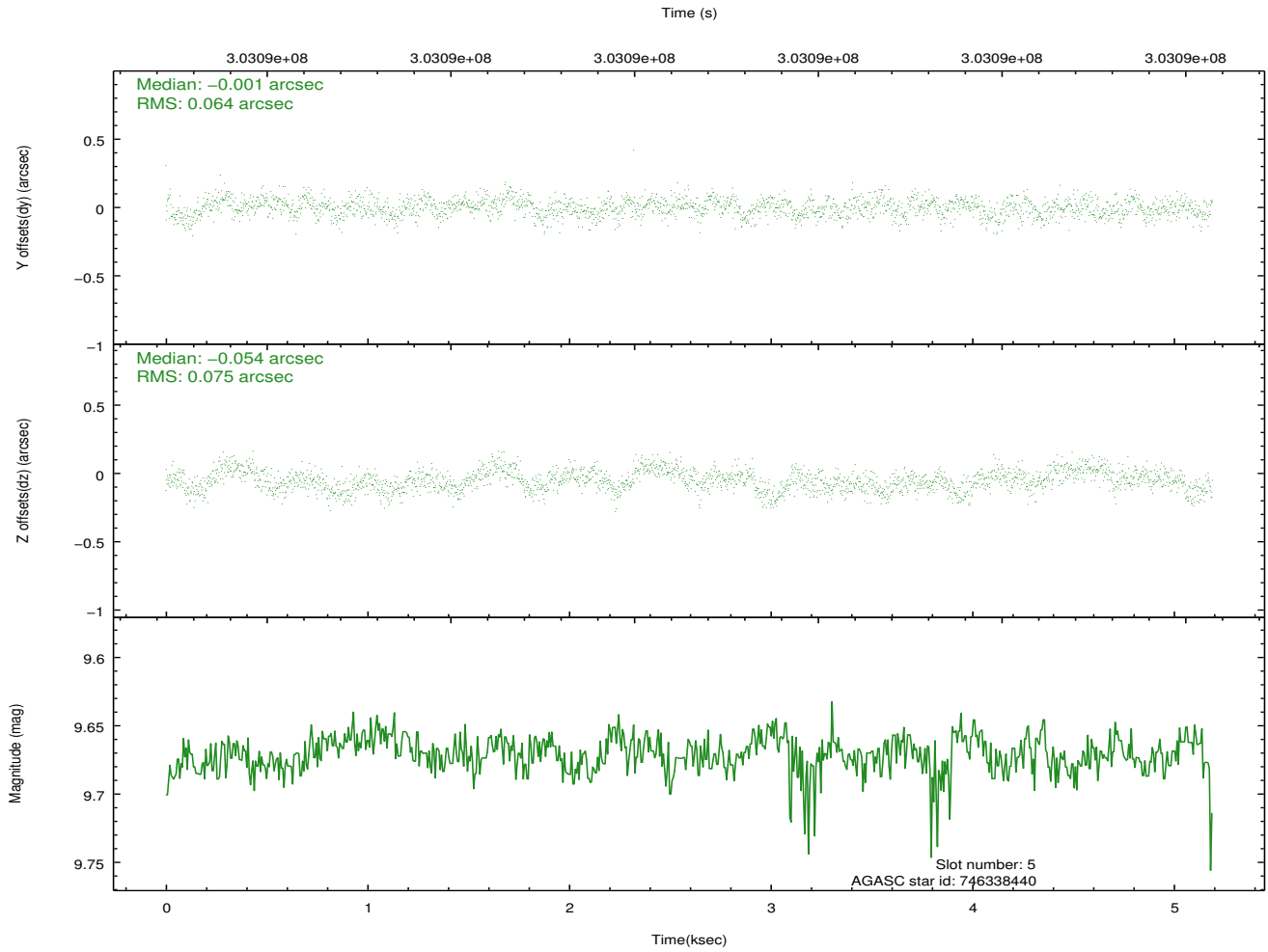
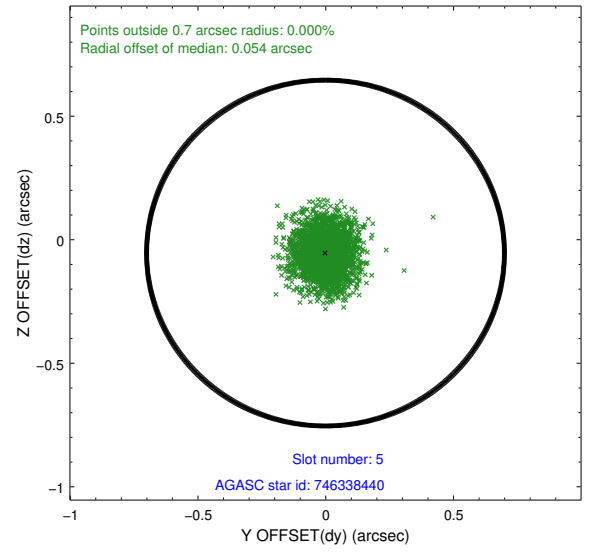
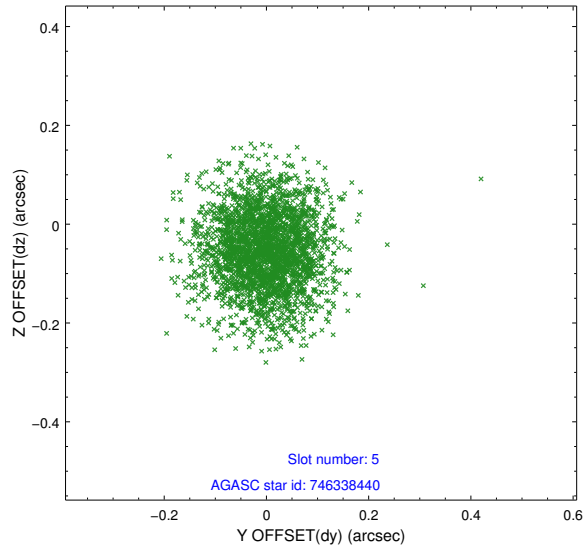
2.4.1 Slot 3



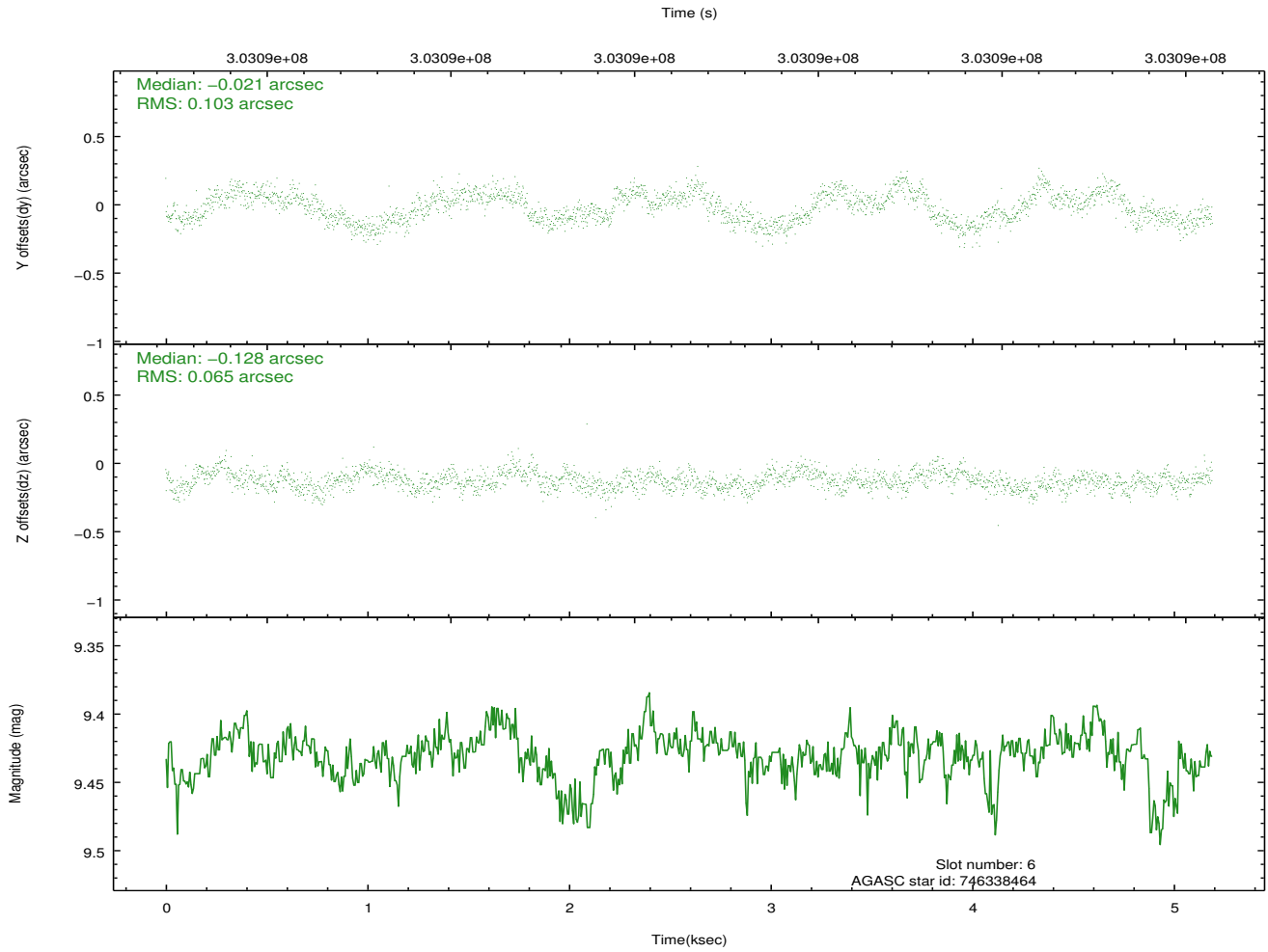
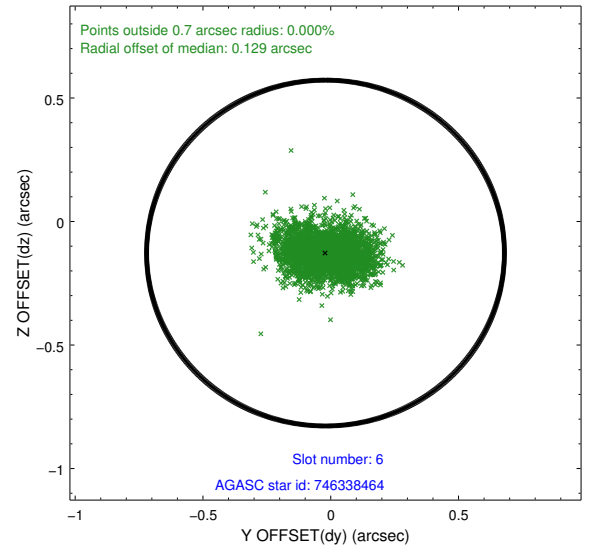
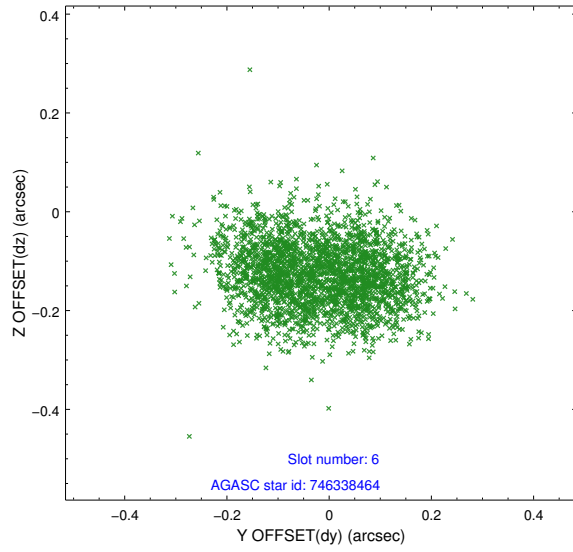
2.4.2 Slot 4



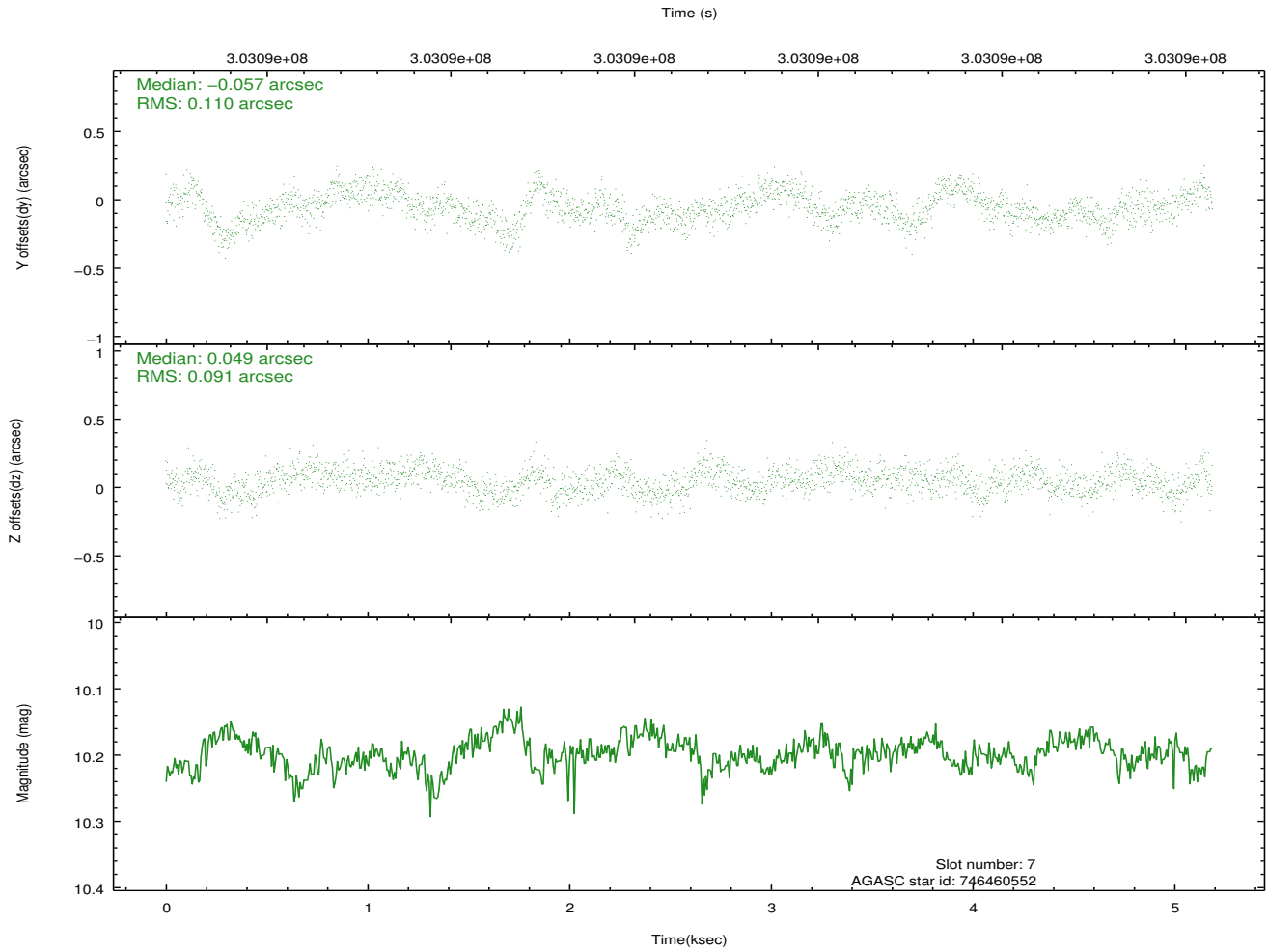
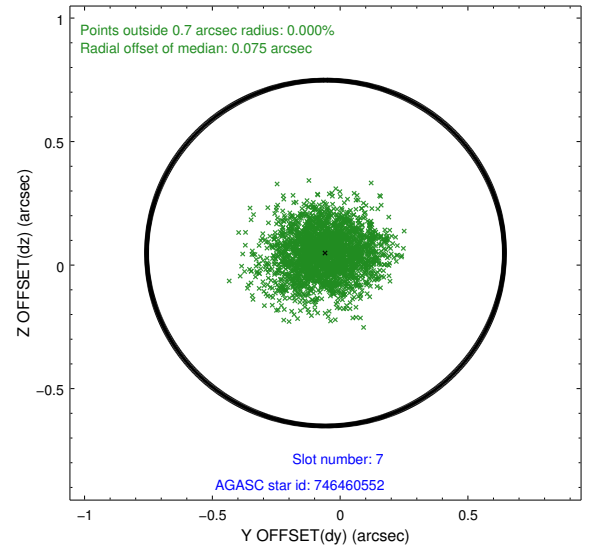
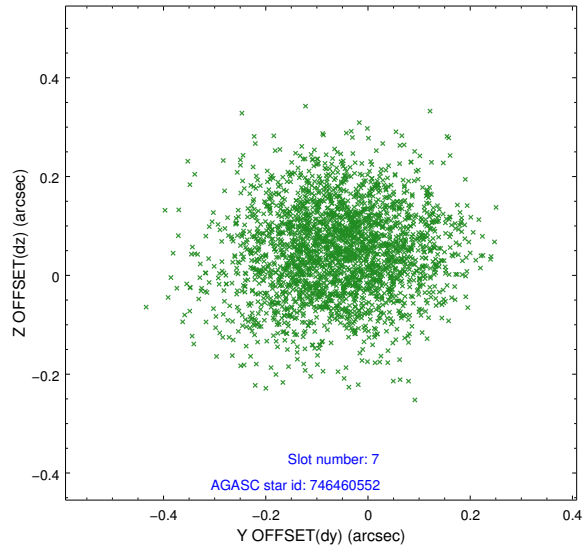
2.4.3 Slot 5



2.4.4 Slot 6

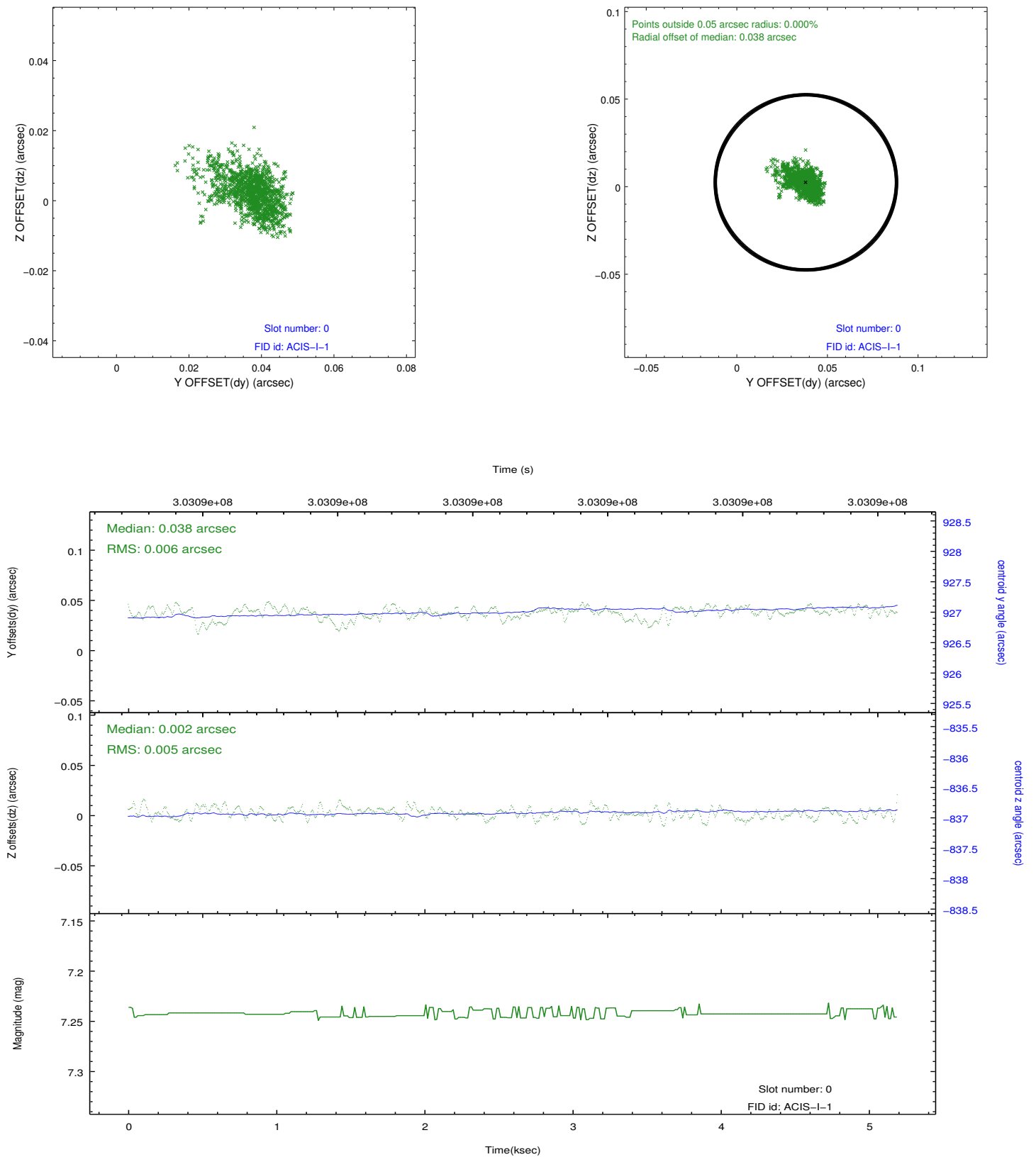


2.4.5 Slot 7

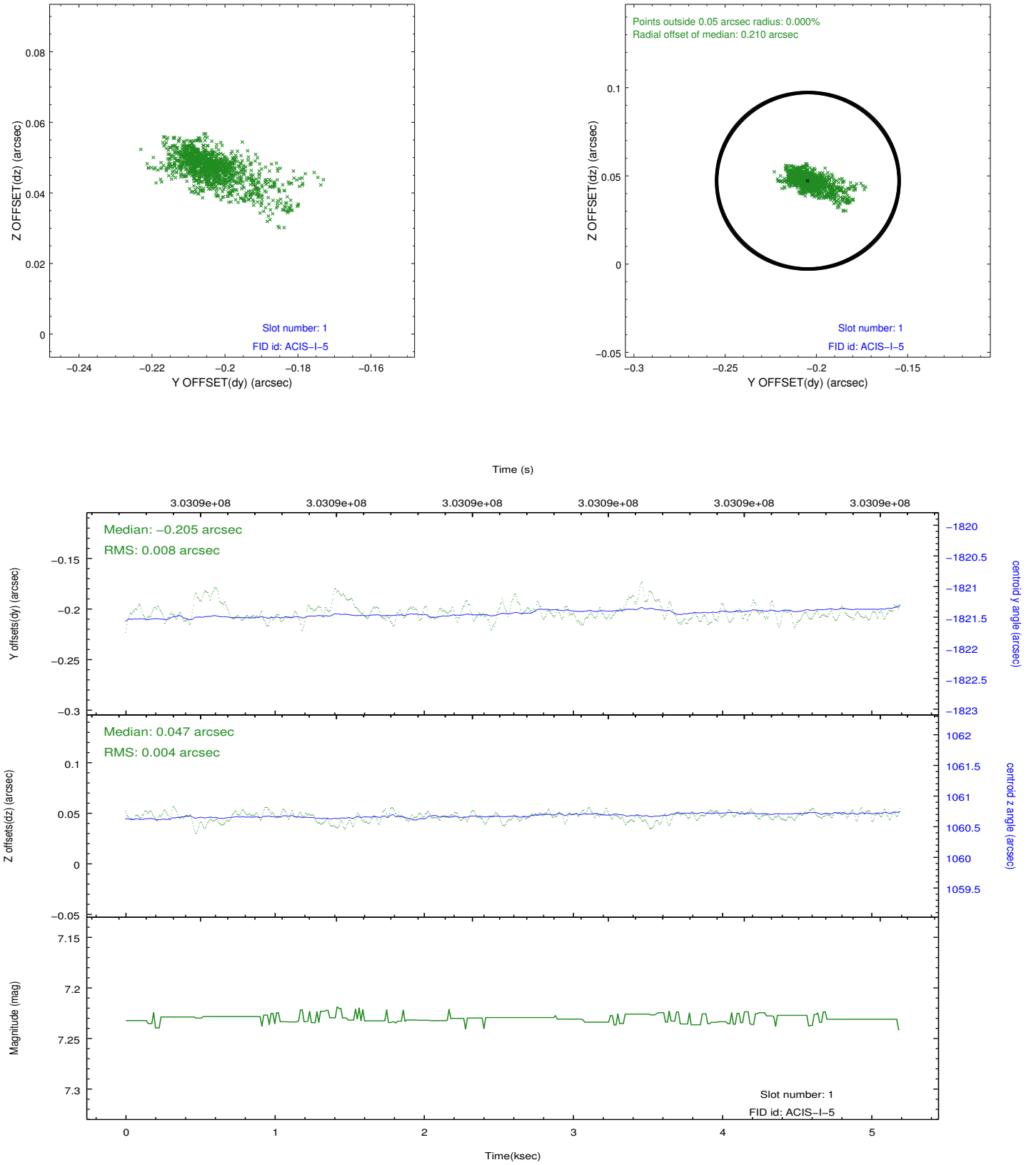


2.5 FID Slots

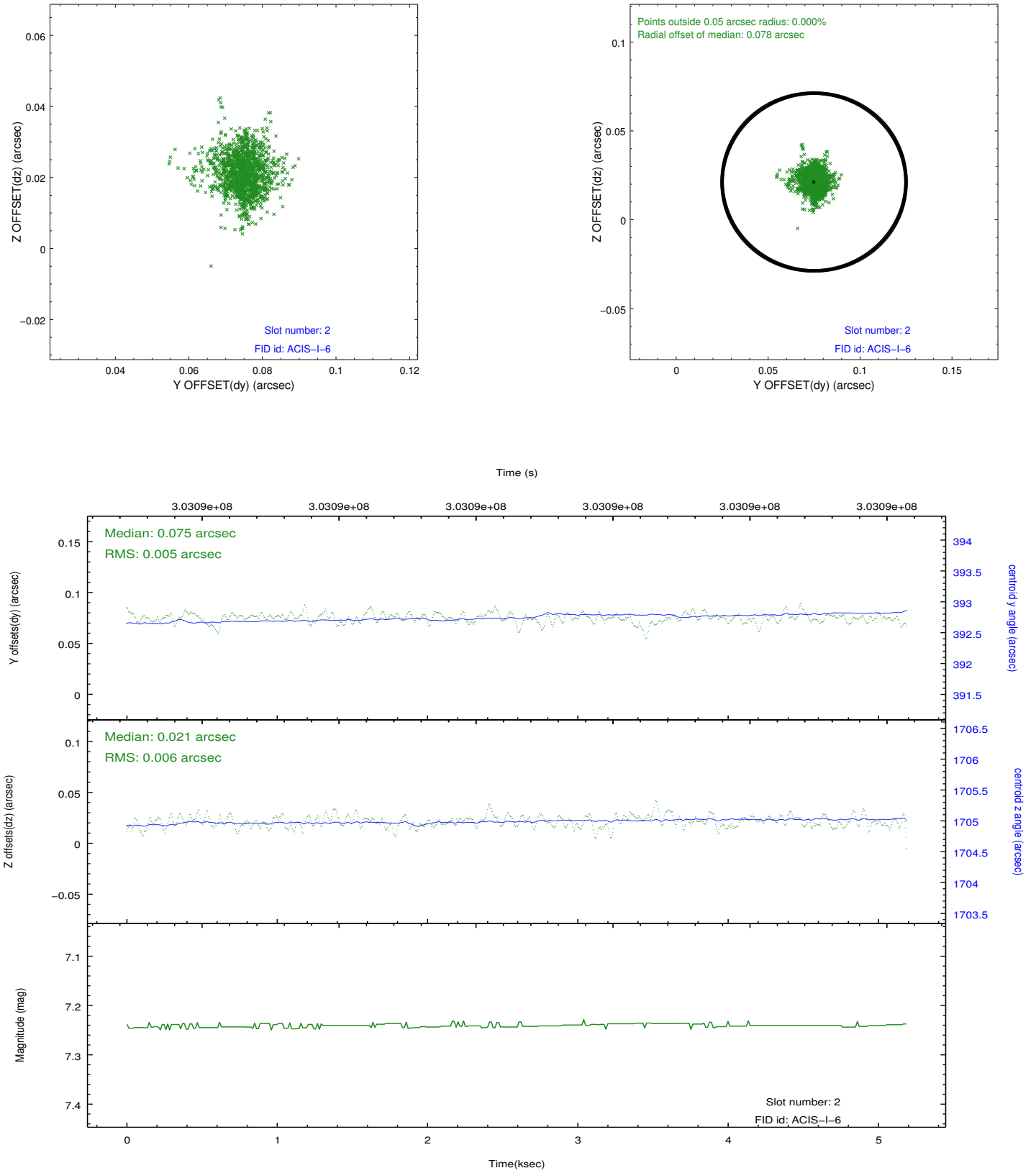
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18630003

A.2 Comments

Monitor constraint met, follows obs7480 by 77 days.