

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 16767 - L2 Version 1
Chandra X-Ray Center

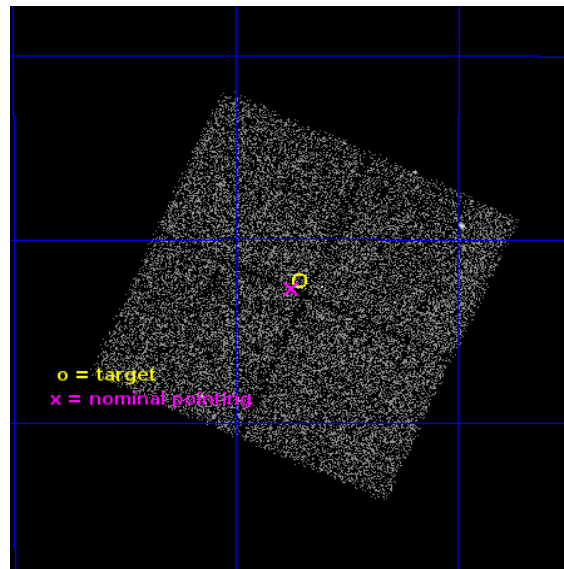
L2 Processing Date : Jul 10 2015

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1 Front

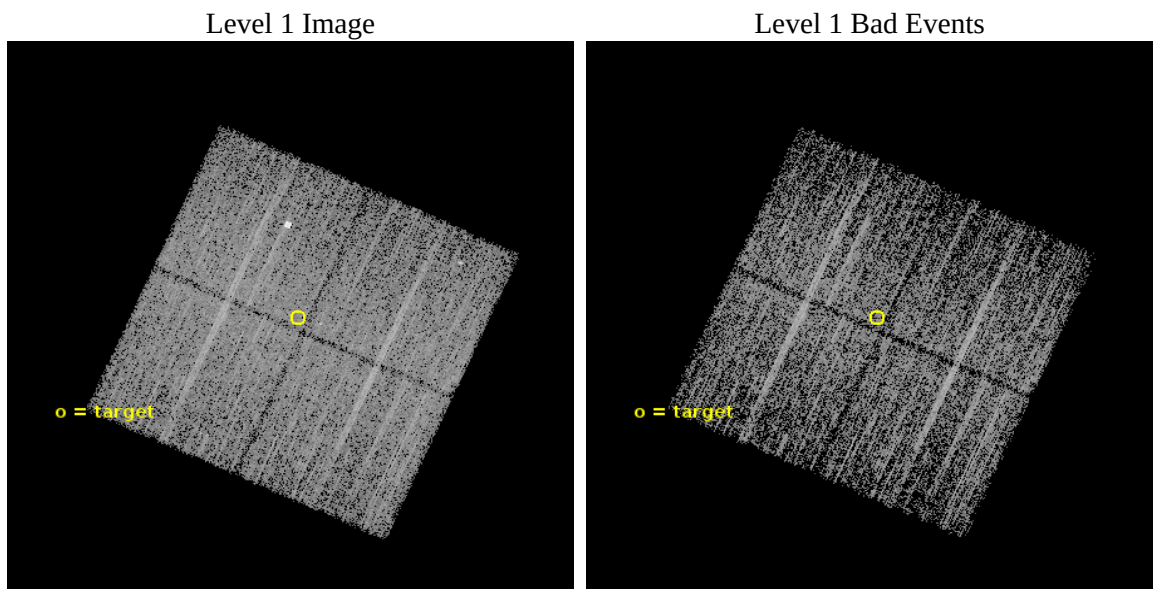
seq_num	502285	Sequence number
obs_id	16767	Observation id
title	Investigating the nature of AX J1714.1-3912	Proposal title
observer	Dr. Marco Miceli	Principal investigator
object	AX J1714.1-3912	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.428333	Observer's specified target RA [deg]
dec_targ	-39.204278	Observer's specified target Dec [deg]
ra_nom	258.43718217872	Nominal RA [deg]
dec_nom	-39.211566979582	Nominal Dec [deg]
roll_nom	294.34232304793	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10868.600083709	Sum of GTIs [s]
livetime	10726.593822268	Livetime [s]
ontime0	10865.45903337	Sum of GTIs [s]
ontime1	10868.600083709	Sum of GTIs [s]
ontime2	10865.459033489	Sum of GTIs [s]
ontime3	10868.600083709	Sum of GTIs [s]
l2events	27598	Number of level 2 events



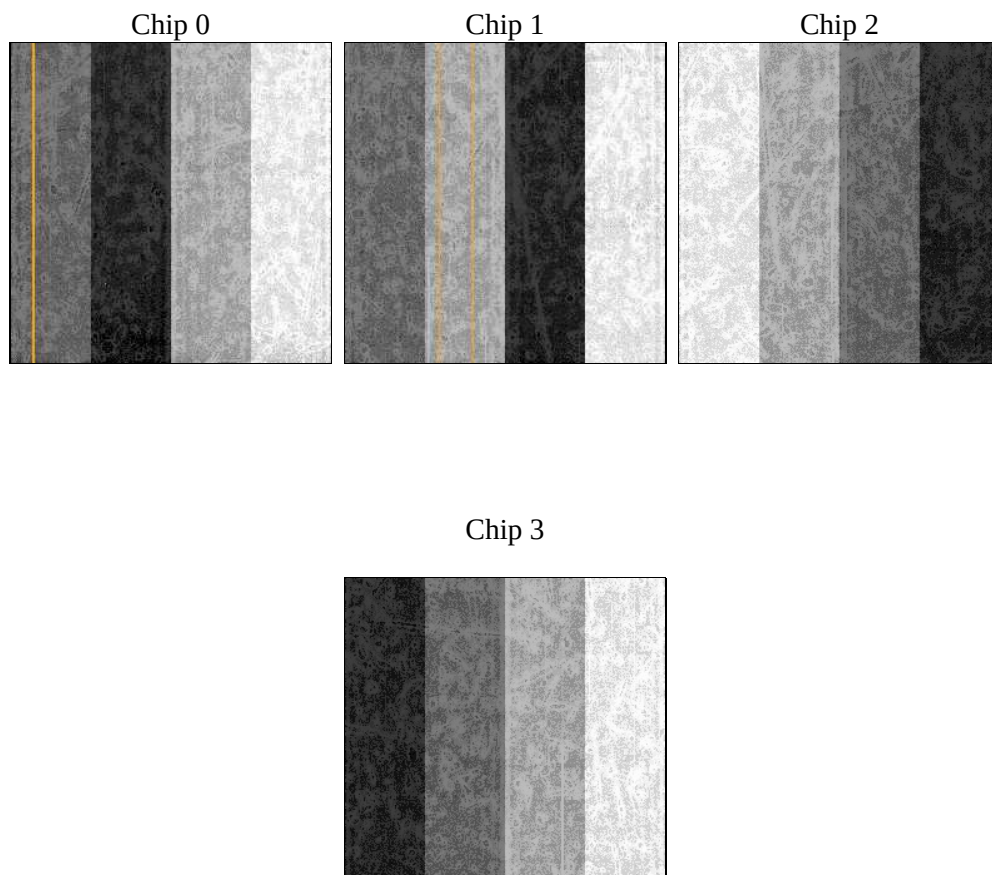
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10786.117000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	10868.600083709	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	10865.45903337	Sum of GTIs [s]
date	2015-07-10T22:43:41	Date and time of file creation	ontime1	10868.600083709	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10865.459033489	Sum of GTIs [s]
			ontime3	10868.600083709	Sum of GTIs [s]
			l1events	227619	Number of level 1 events

2.1.4 Events

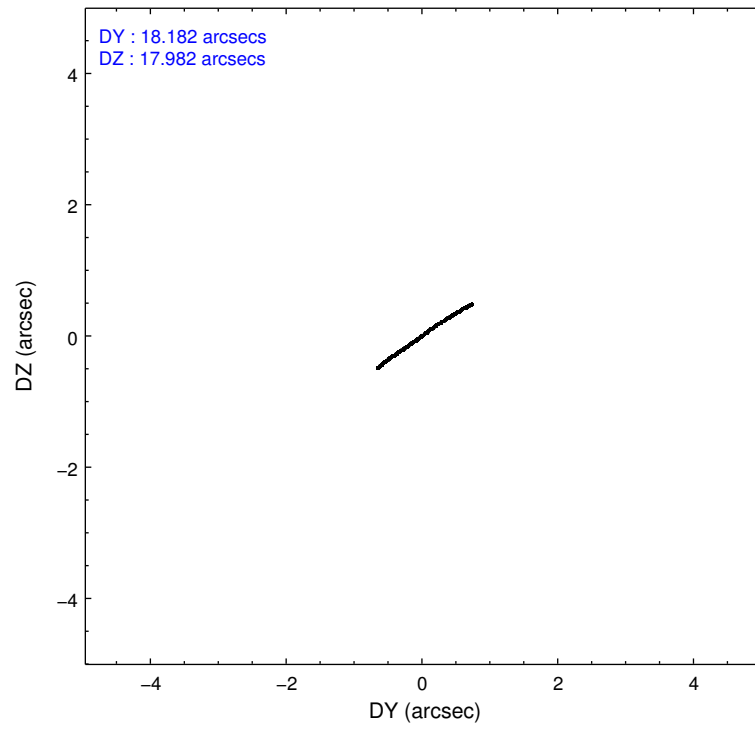
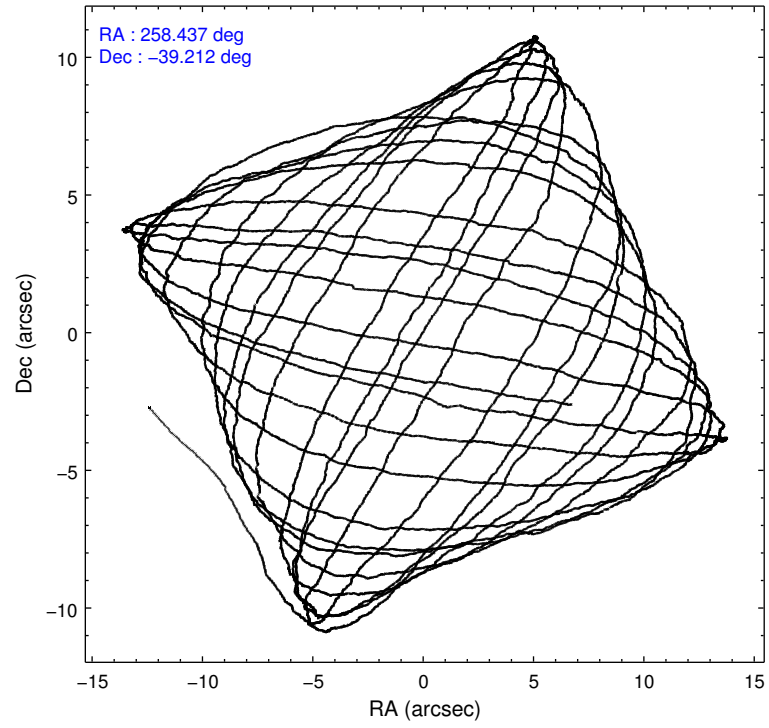
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	56834	55132	57276	58377
rejected events	48288	46567	49186	48597
rejected %	84%	84%	85%	83%

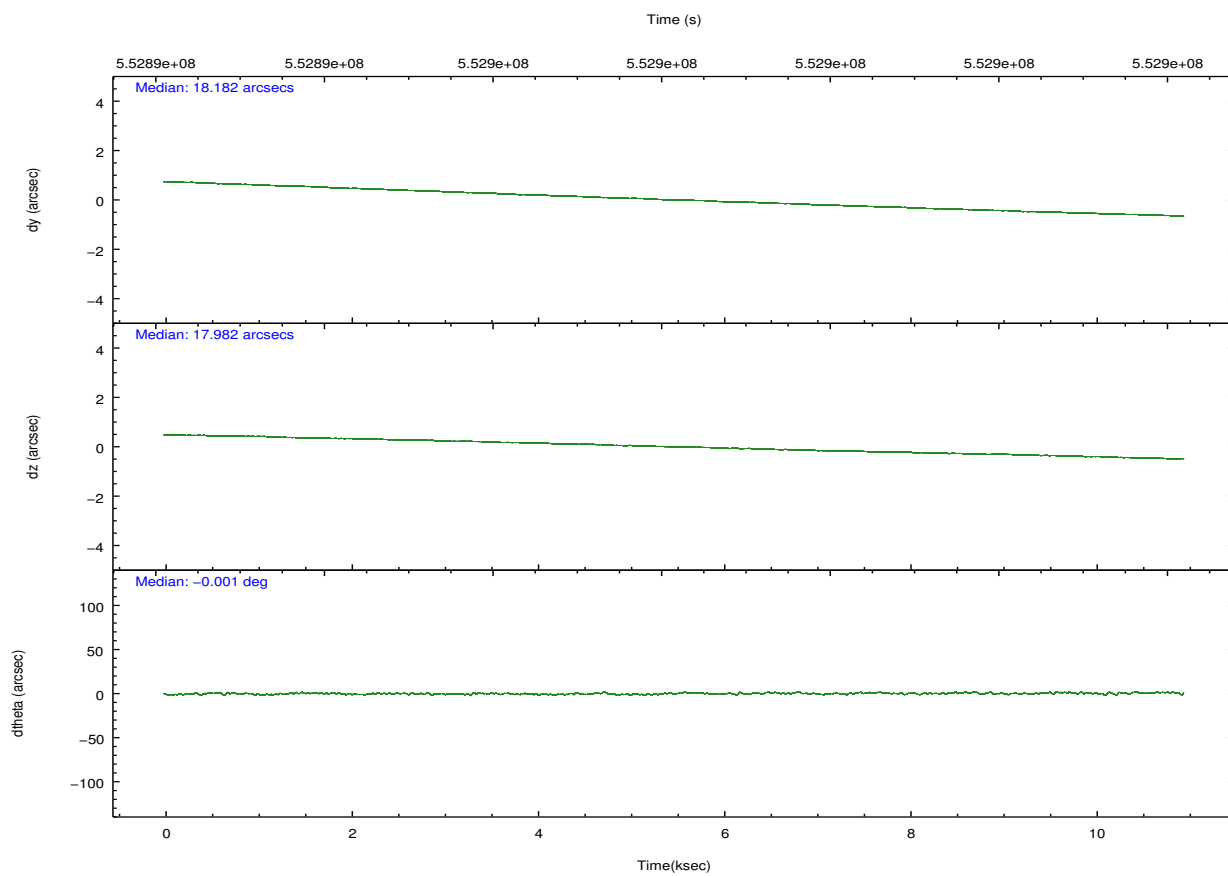
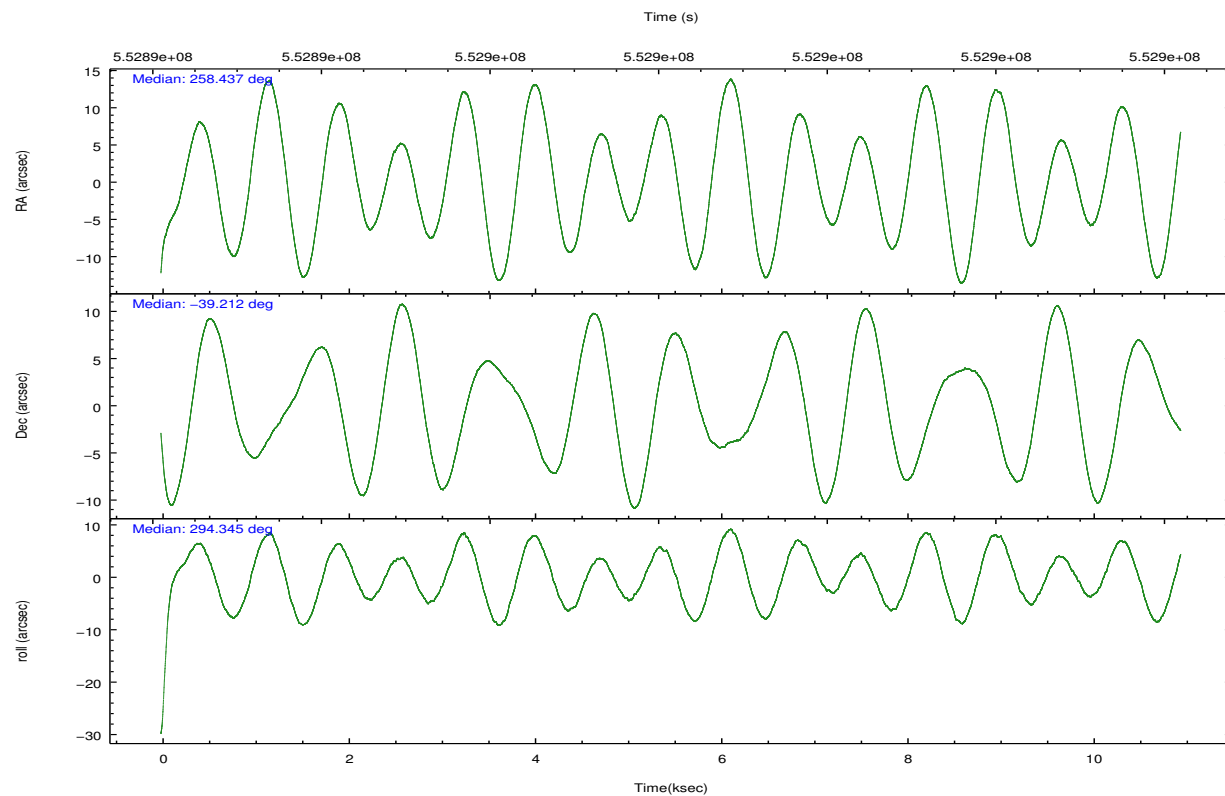
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3871	3438	3704	5498
	6%	6%	6%	9%
grade 1 events	41	48	38	40
	0%	0%	0%	0%
grade 2 events	1822	1909	1675	1413
	3%	3%	2%	2%
grade 3 events	737	784	690	720
	1%	1%	1%	1%
grade 4 events	722	787	668	712
	1%	1%	1%	1%
grade 5 events	2521	2679	2438	2911
	4%	4%	4%	4%
grade 6 events	1403	1651	1357	1444
	2%	2%	2%	2%
grade 7 events	45717	43836	46706	45639
	80%	79%	81%	78%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	258.408218	258.4371821787227	Subarray requested	NONE	NONE
[deg] Pointing Dec	-39.195559	-39.21156697958214	Alternating exposures requested	N	N
[deg] Pointing Roll	294.115348	294.3423230479315	[s] Primary exposure time	0.000000	3.1
[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)	552892817.184000	552891514.90991			
Observation start date	2015-07-10T05:19:09	2015-07-10T04:58:34			
[s] Observation end time (MET)	552903603.184000	552903837.9730999			
Observation end date	2015-07-10T08:18:55	2015-07-10T08:23:57			
Read mode	TIMED	TIMED			

2.3 Aspect



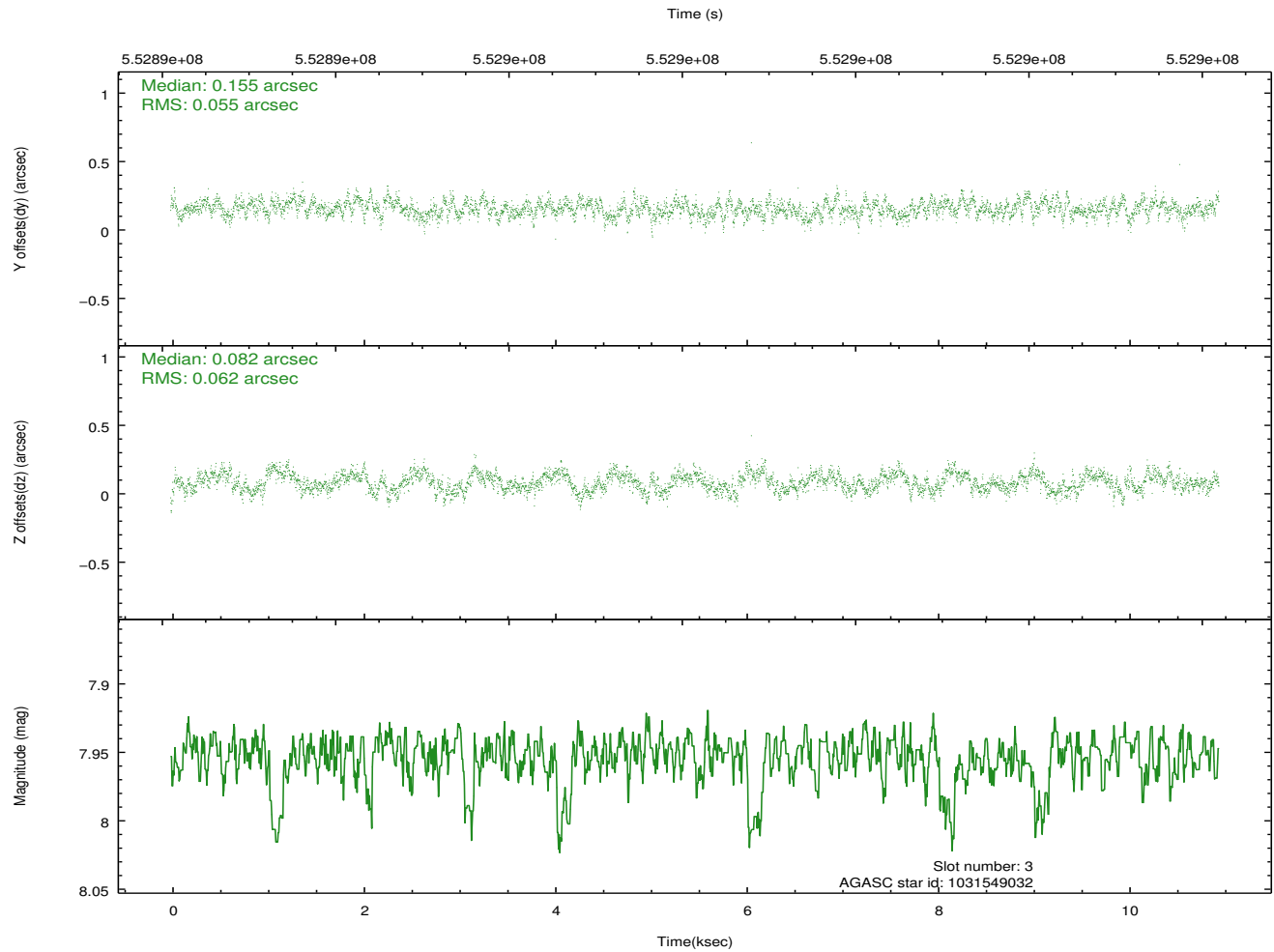
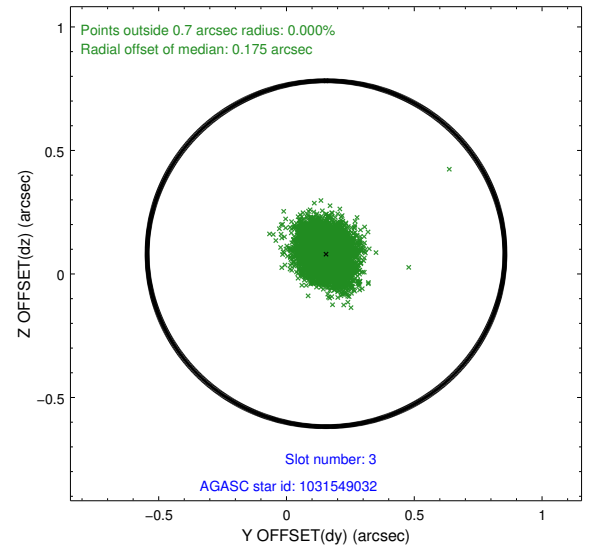
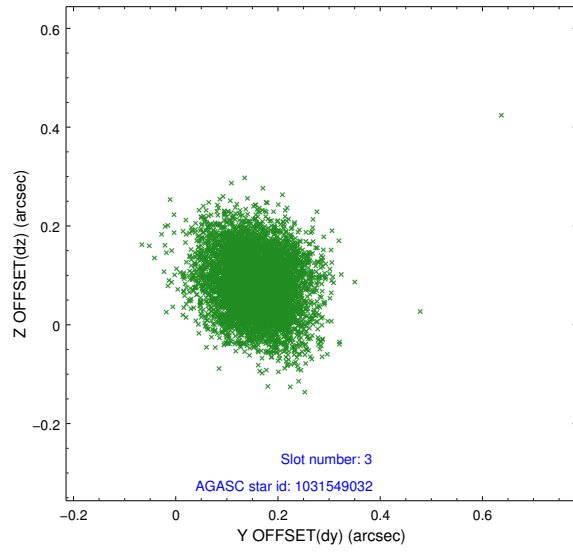


Slot Statistics

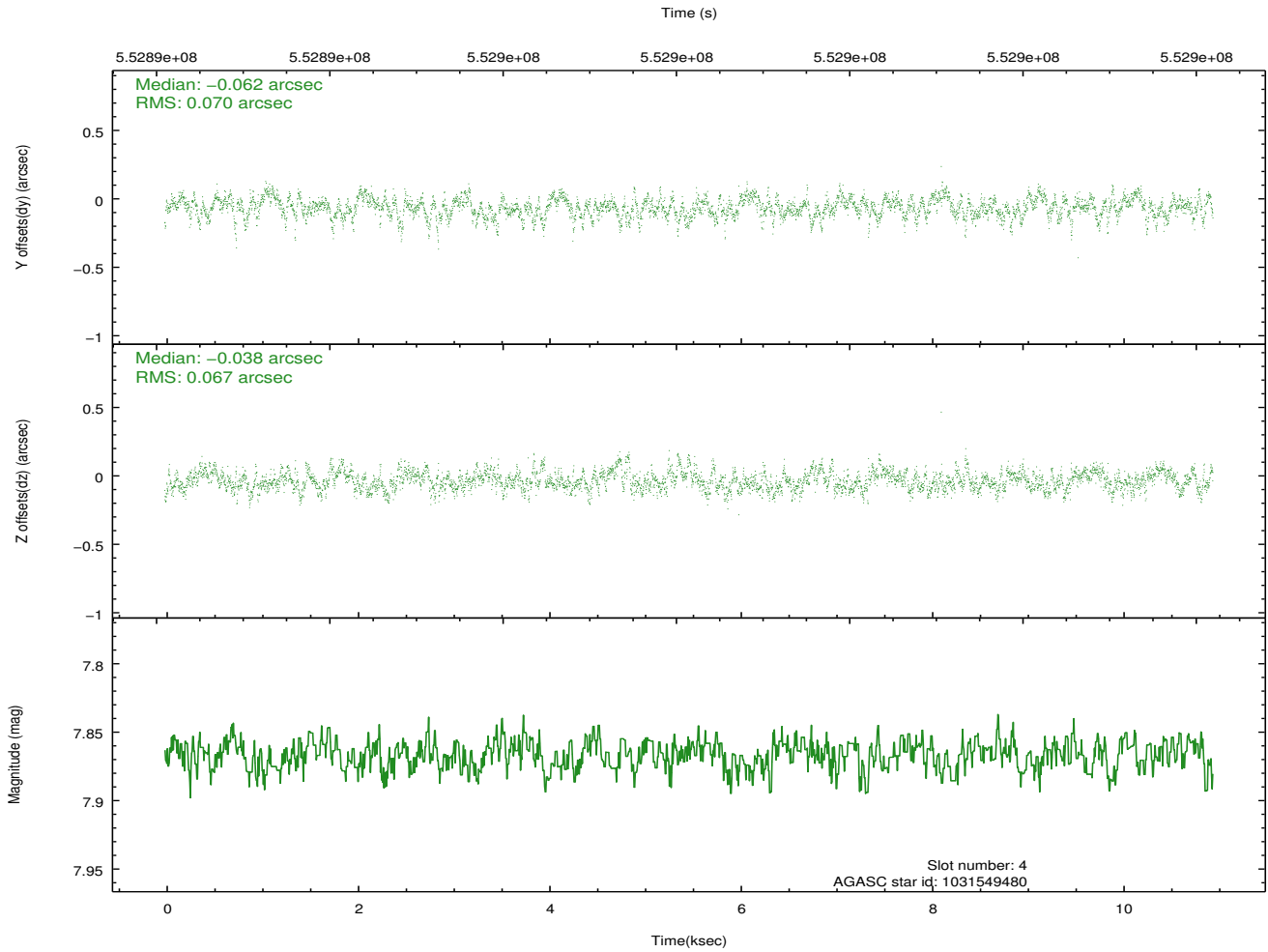
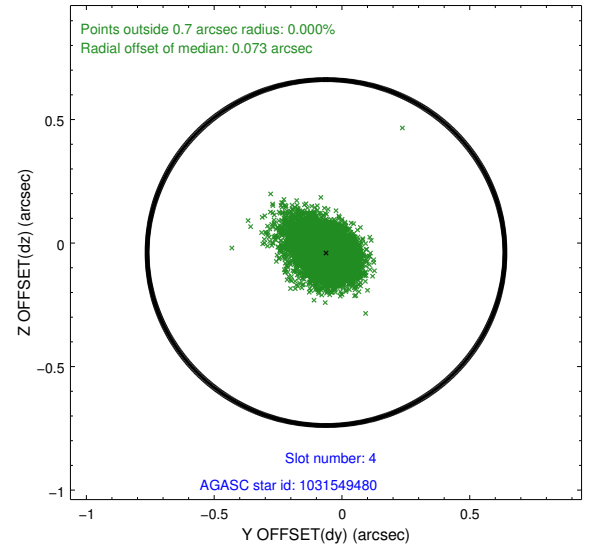
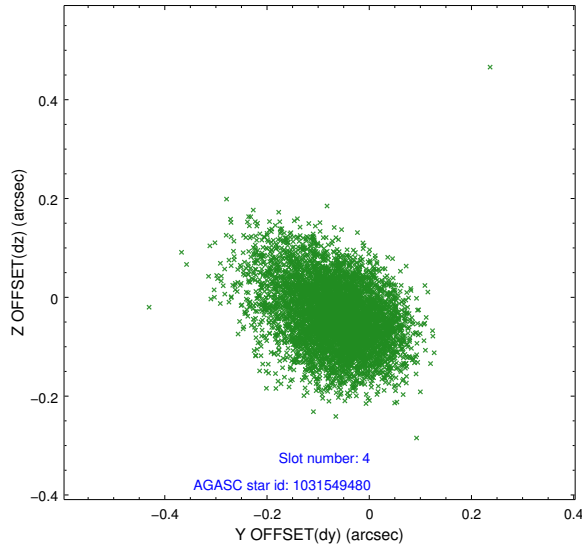
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.16	2672	0.039	0.071	0.015	0.026	0.000000	0.000000	921.19	-841.60
1	FID		ACIS-I-2	7.06	2672	-0.160	-0.087	0.009	0.014	0.000000	0.000000	-772.84	-848.41
2	FID		ACIS-I-6	7.17	2672	0.029	0.082	0.012	0.026	0.000000	0.000000	386.65	1699.99
3	GUIDE	used	1031549032	7.95	5340	0.155	0.082	0.088	0.141	258.584727	-38.516573	-2027.39	1452.74
4	GUIDE	used	1031549480	7.87	5343	-0.062	-0.038	0.101	0.170	258.859583	-38.394348	-2109.98	2340.25
5	GUIDE	used	1032064496	7.18	5344	-0.147	-0.077	0.100	0.152	259.271174	-39.429374	1758.77	1842.15
6	GUIDE	used	1032064528	7.87	5342	-0.029	-0.038	0.076	0.121	259.076580	-39.610595	2127.57	1079.11
7	GUIDE	used	1032064704	8.53	5343	0.075	0.070	0.148	0.208	258.960381	-39.623855	2037.53	766.04

2.4 Star Slots

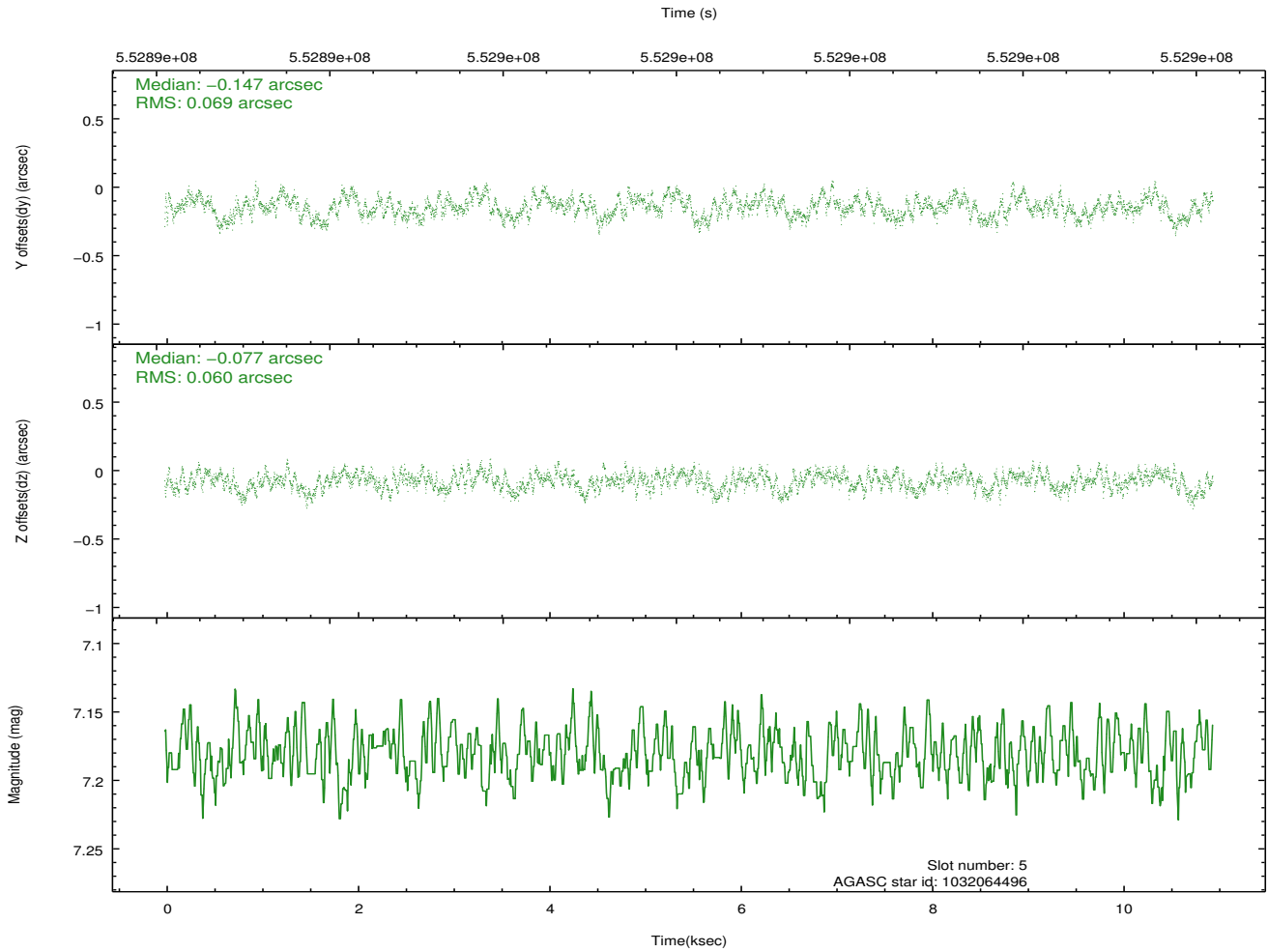
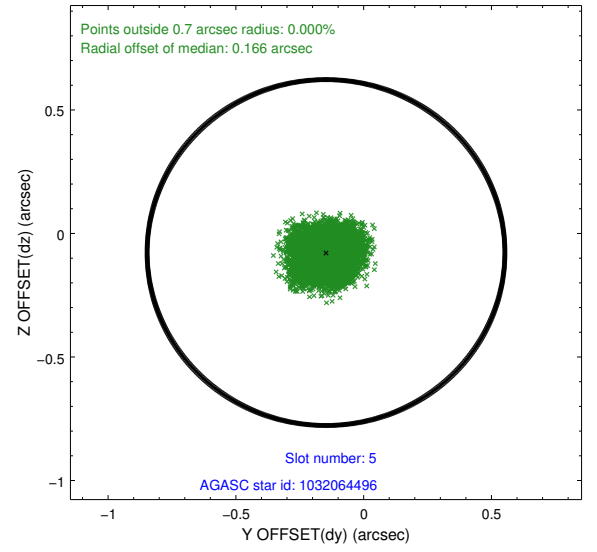
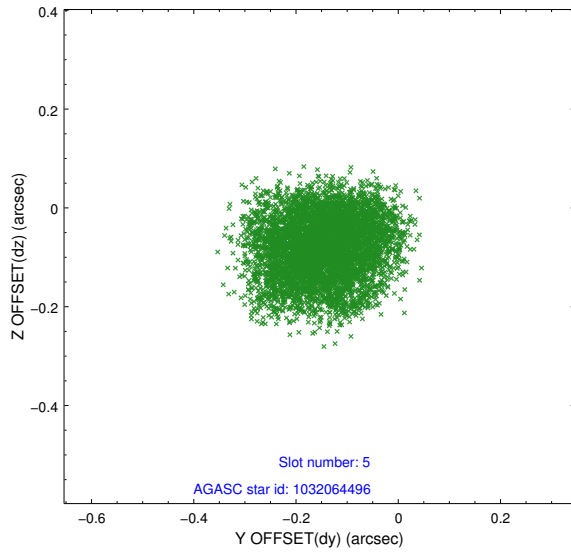
2.4.1 Slot 3



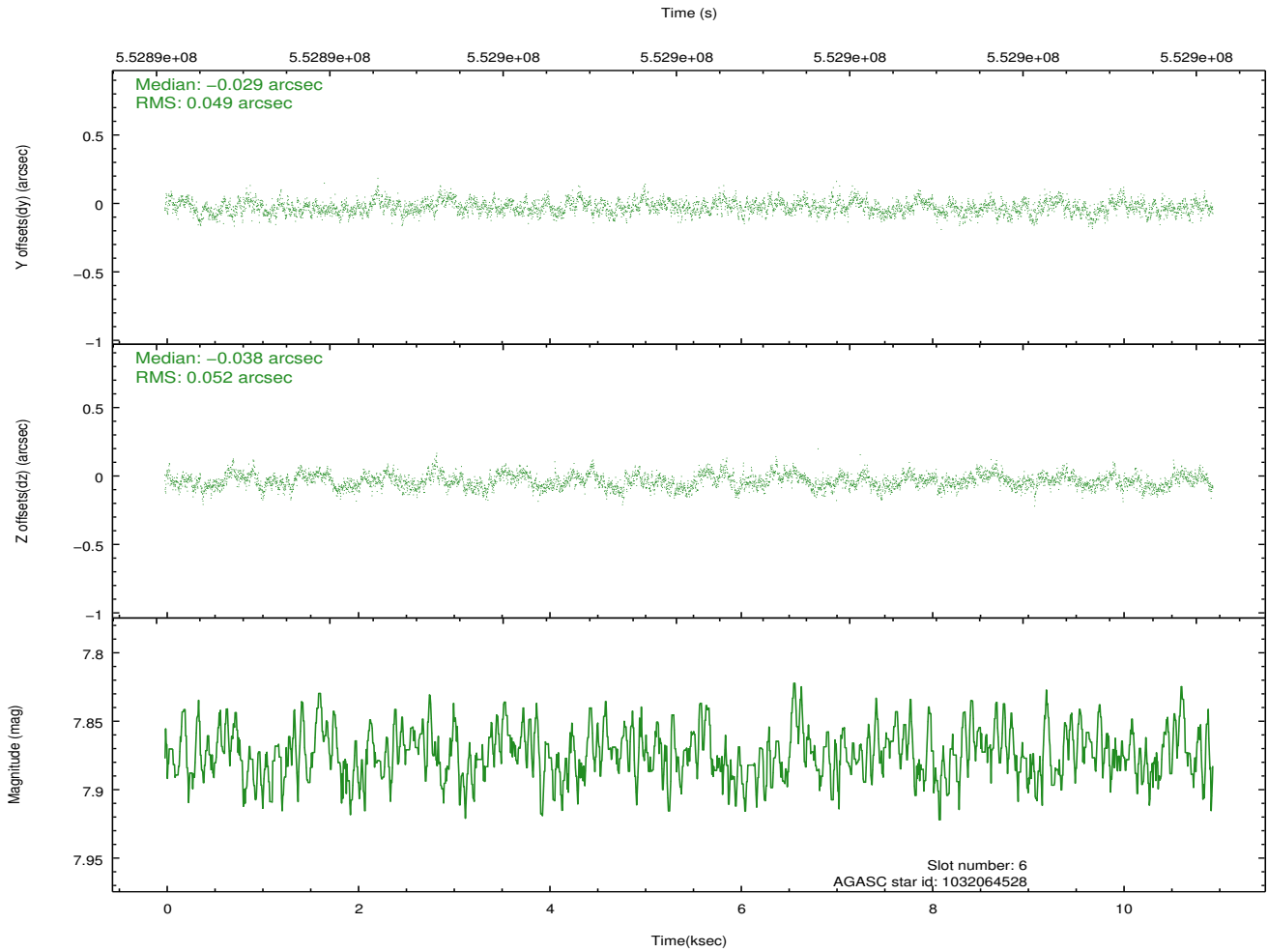
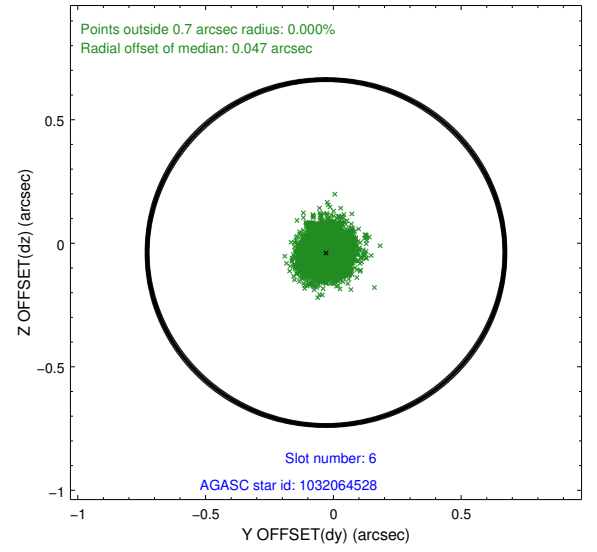
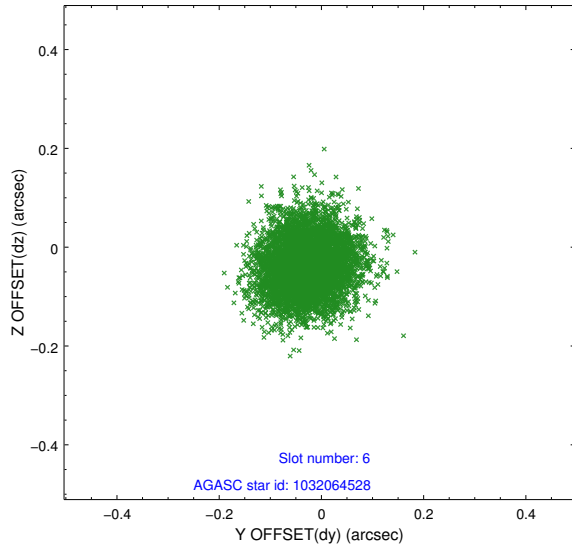
2.4.2 Slot 4



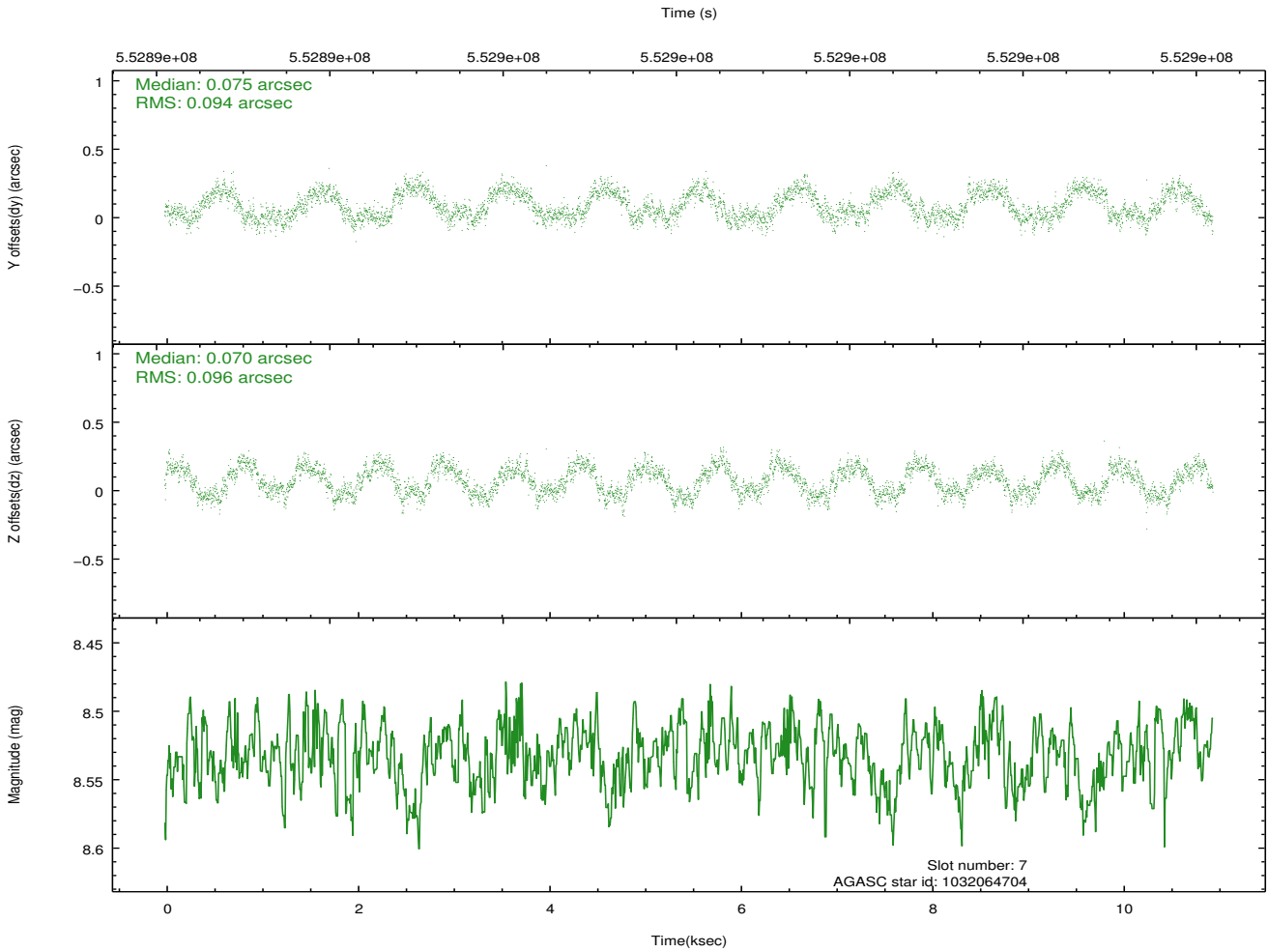
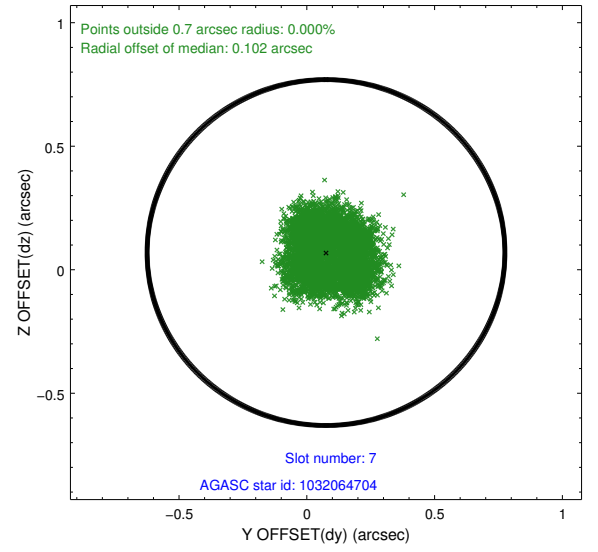
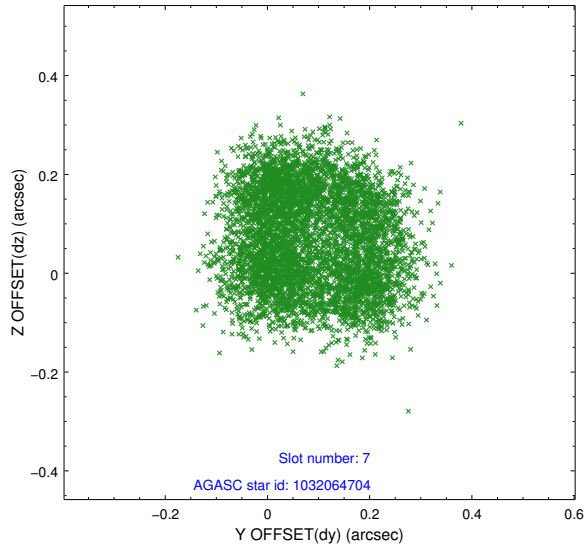
2.4.3 Slot 5



2.4.4 Slot 6

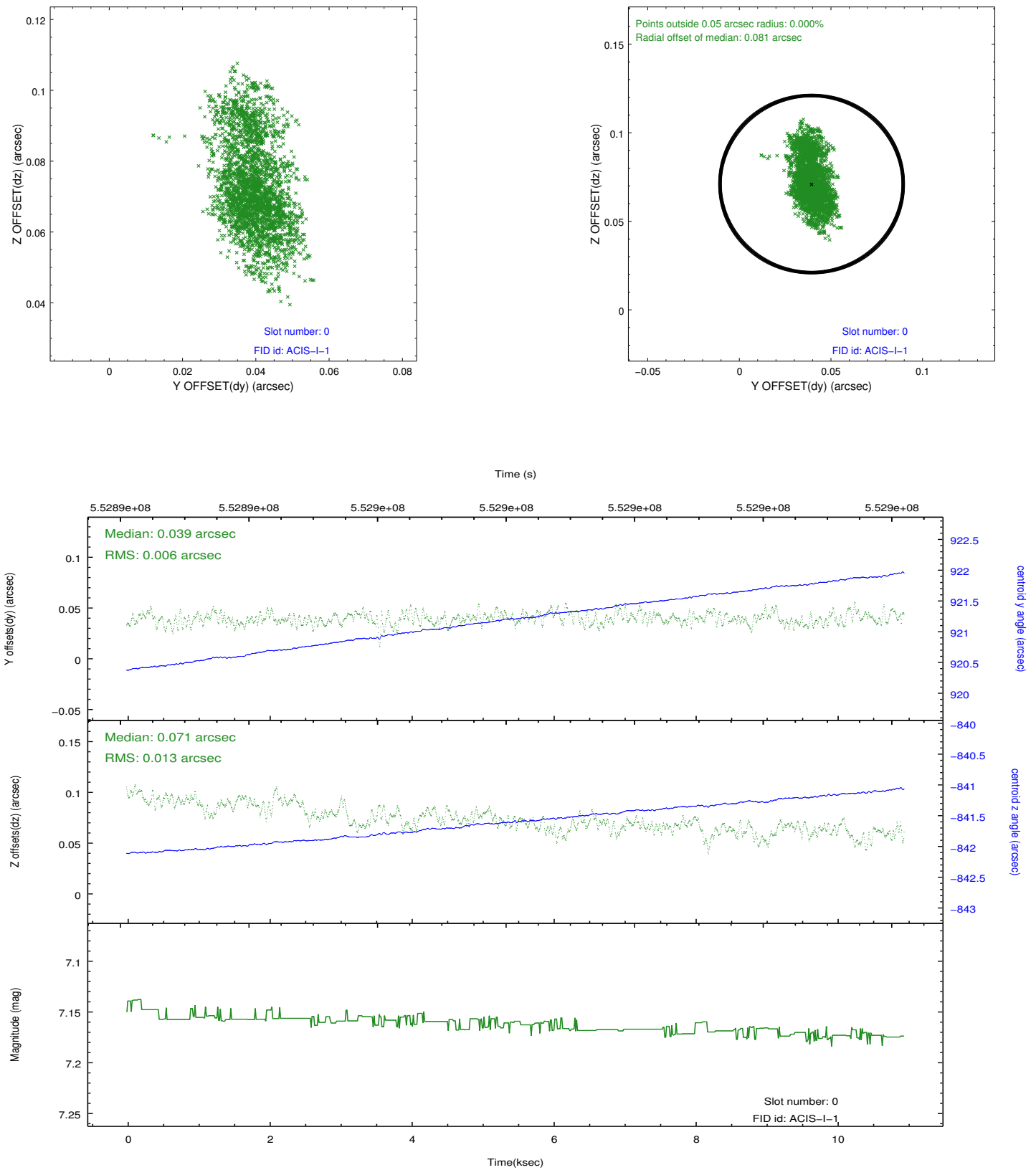


2.4.5 Slot 7

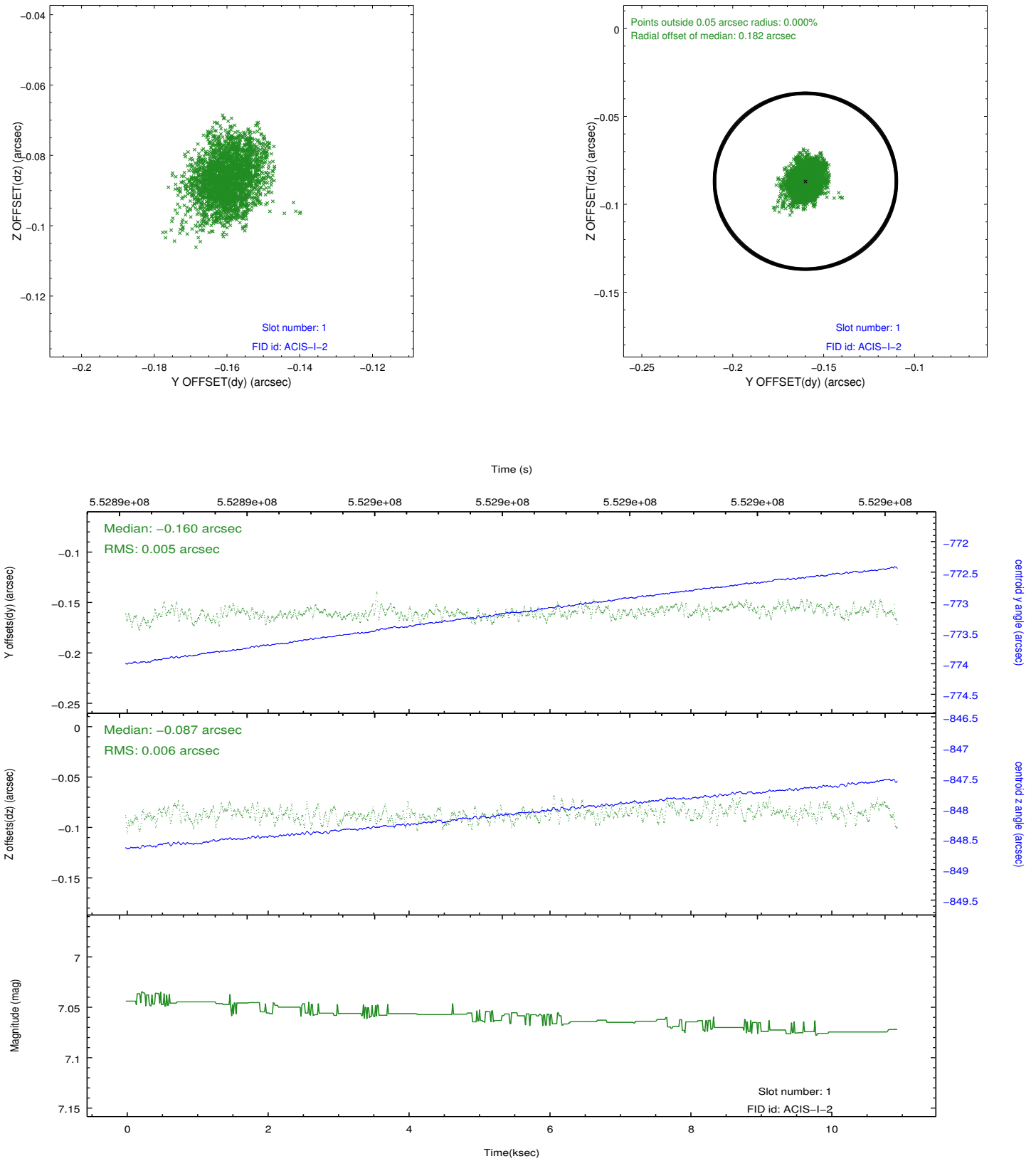


2.5 FID Slots

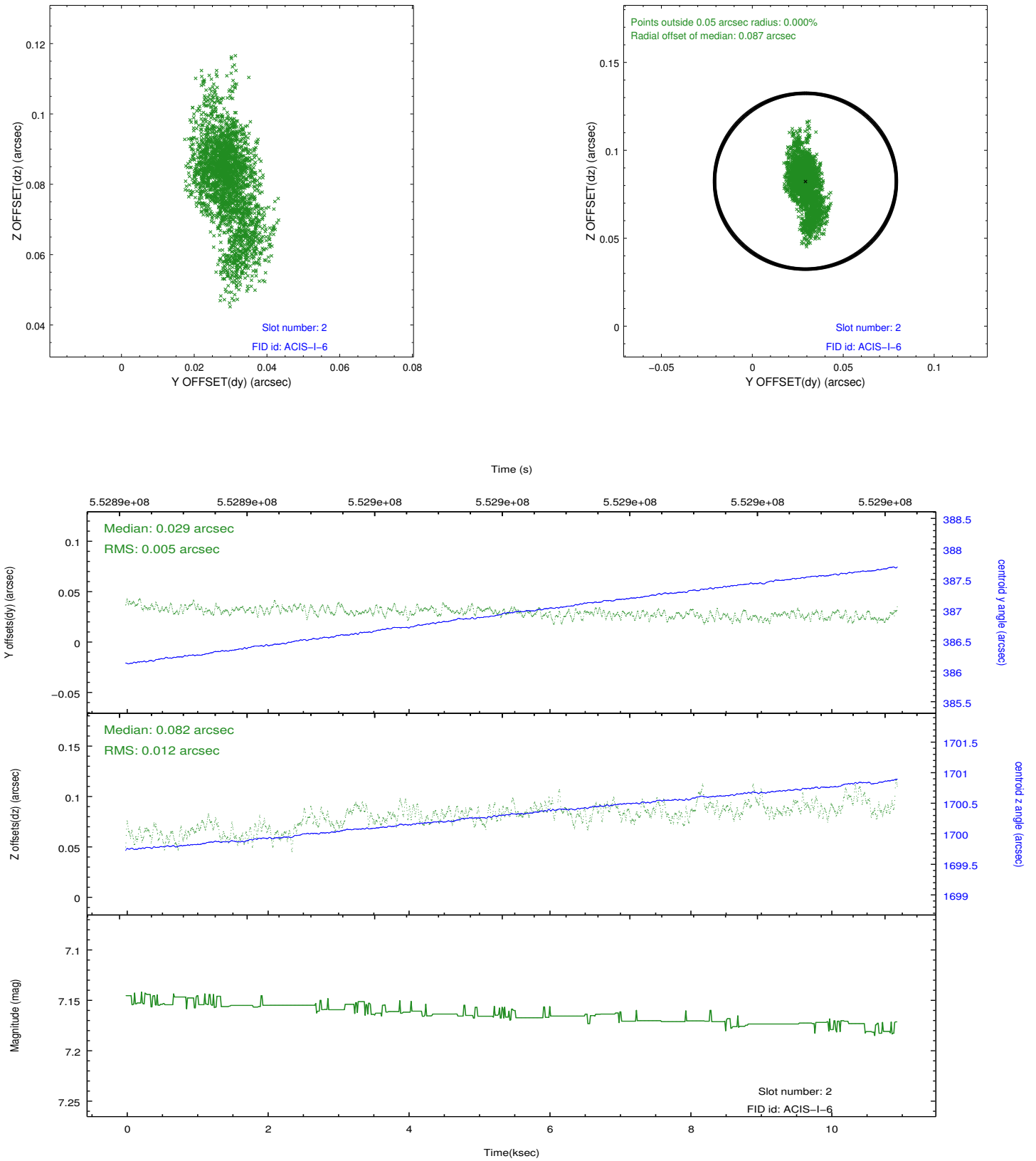
2.5.1 Slot 0



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)	2015.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.868600083709

A.2 Comments