

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10474 - L2 Version 2
Chandra X-Ray Center

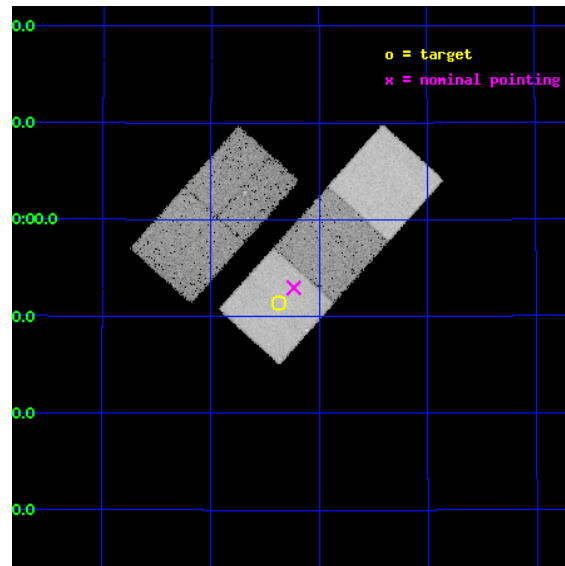
L2 Processing Date : May 28 2012

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1 Front

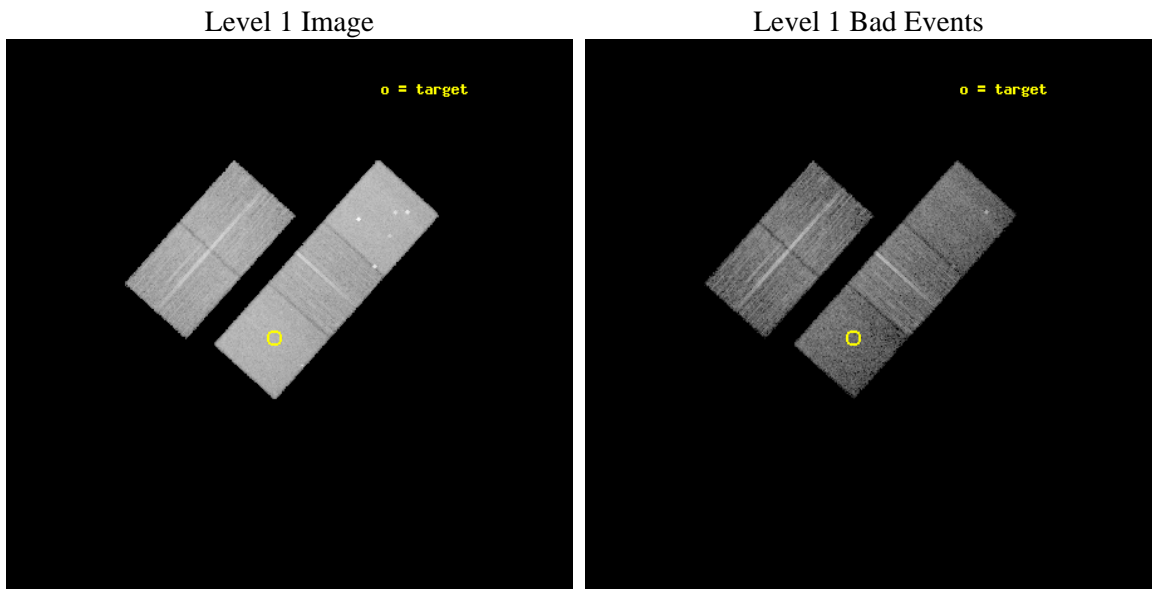
seq_num	800832	Sequence number
obs_id	10474	Observation id
title	The Origin and Evolution of Fossil Groups	Proposal title
observer	Dr. Eli Rykoff	Principal investigator
object	SDSS J0821+4051	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	125.34375	Observer's specified target RA [deg]
dec_targ	40.856583	Observer's specified target Dec [deg]
ra_nom	125.30829488884	Nominal RA [deg]
dec_nom	40.882834983037	Nominal Dec [deg]
roll_nom	131.90012801301	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10133.900077939	Sum of GTIs [s]
livetime	10001.493212952	Livetime [s]
ontime2	10133.900077939	Sum of GTIs [s]
ontime3	10130.759097636	Sum of GTIs [s]
ontime5	10133.900077939	Sum of GTIs [s]
ontime6	10127.618147254	Sum of GTIs [s]
ontime7	10133.900077939	Sum of GTIs [s]
l2events	180658	Number of level 2 events



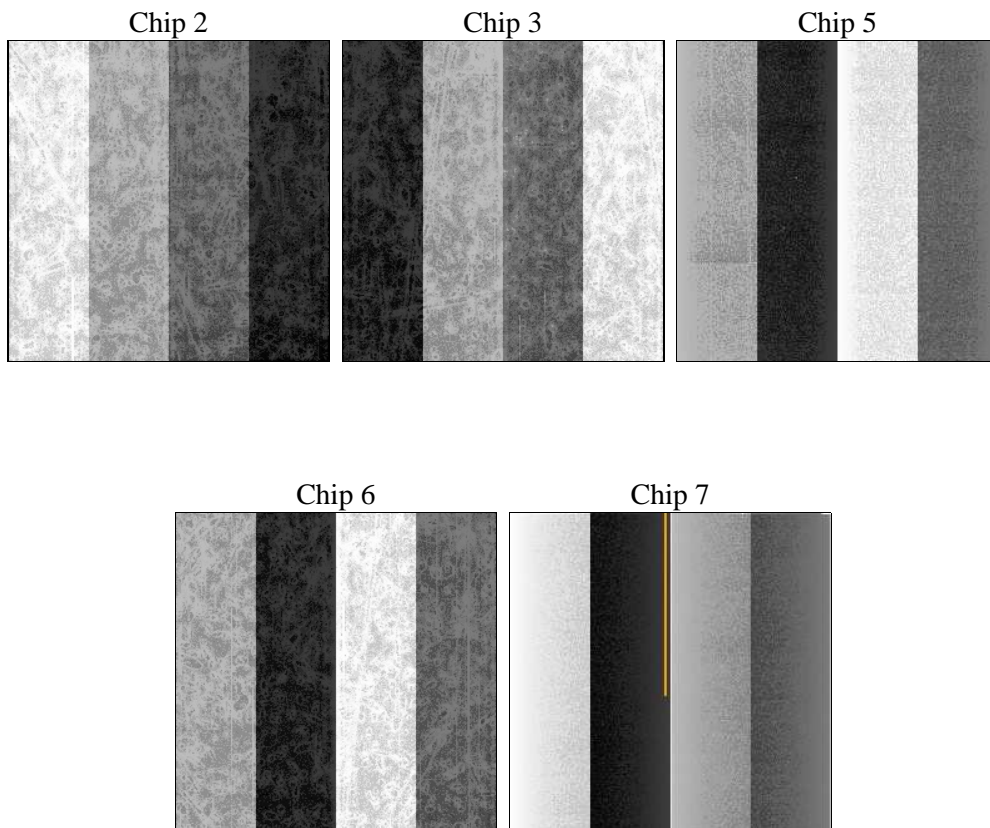
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.933000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10133.900077939	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10133.900077939	Sum of GTIs [s]
date	2012-05-28T12:13:22	Date and time of file creation	ontime3	10130.759097636	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10133.900077939	Sum of GTIs [s]
			ontime6	10127.618147254	Sum of GTIs [s]
			ontime7	10133.900077939	Sum of GTIs [s]
			l1events	554963	Number of level 1 events

2.1.4 Events

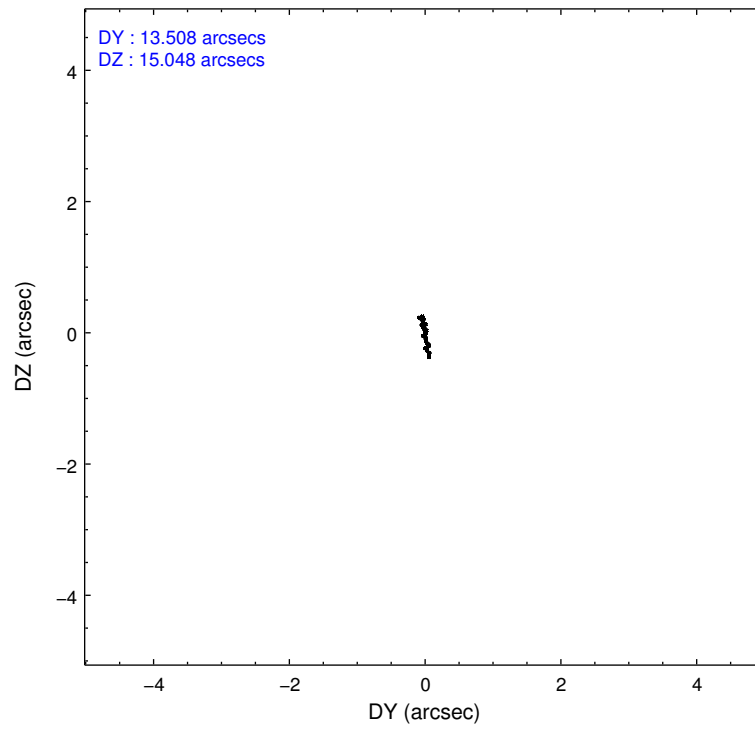
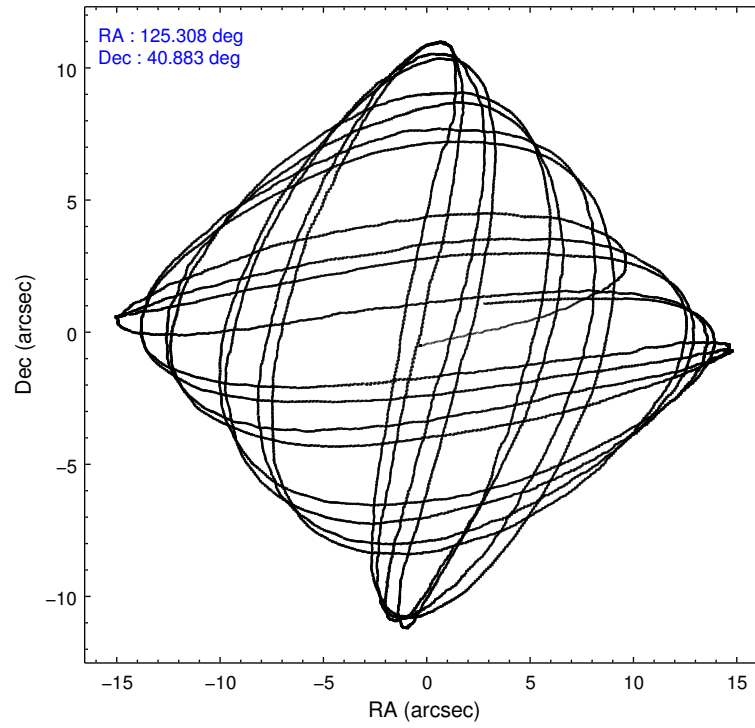
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	99593	94670	144054	98909	117737
rejected events	82371	77469	66789	79106	55146
rejected %	82%	81%	46%	79%	46%

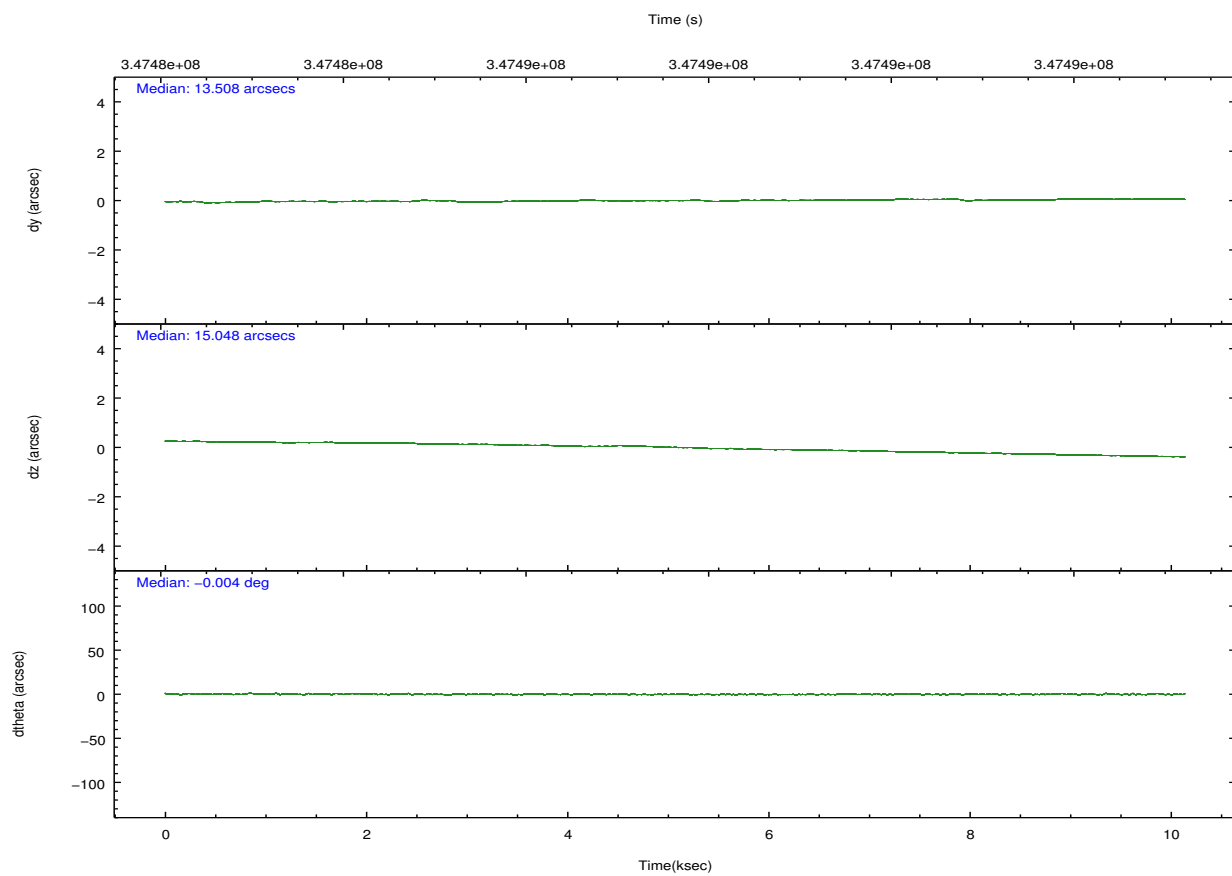
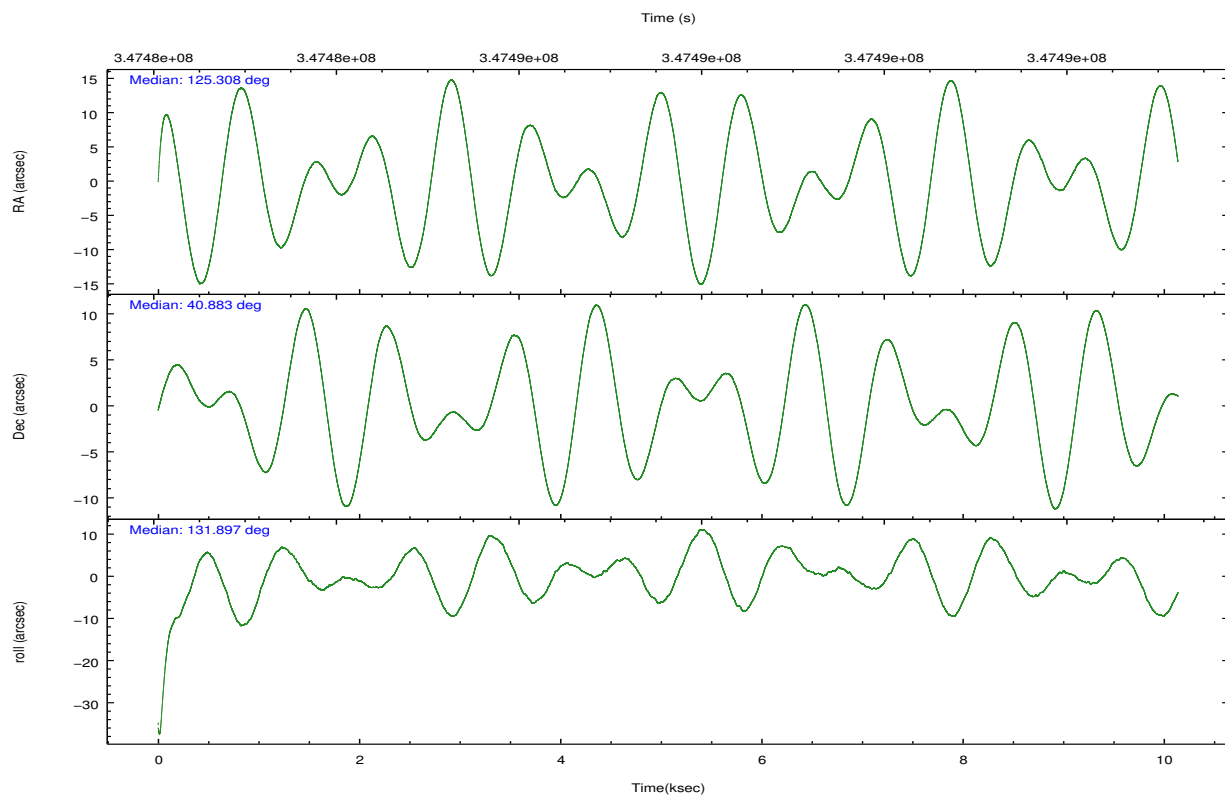
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	9794	9650	10890	11173	6577
	9%	10%	7%	11%	5%
grade 1 events	105	87	336	67	128
	0%	0%	0%	0%	0%
grade 2 events	3080	2926	24015	3460	12446
	3%	3%	16%	3%	10%
grade 3 events	1290	1445	3460	1467	5424
	1%	1%	2%	1%	4%
grade 4 events	1369	1329	3154	1408	5408
	1%	1%	2%	1%	4%
grade 5 events	2941	3522	10228	3539	10432
	2%	3%	7%	3%	8%
grade 6 events	2359	2440	39268	3050	35424
	2%	2%	27%	3%	30%
grade 7 events	78655	73271	52703	74745	41898
	78%	77%	36%	75%	35%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	125.342771	125.3082948888446	CCD I2 on	O1	Y
[deg] Pointing Dec	40.874682	40.8828349830366	CCD I3 on	O2	Y
[deg] Pointing Roll	131.720966	131.9001280130127	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	347482696.184000	347481457.97631	CCD S5 on	N	N
Observation start date	2009-01-04T18:57:10	2009-01-04T18:37:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	347492697.184000	347492918.50188	On-chip summing requested	N	N
Observation end date	2009-01-04T21:43:51	2009-01-04T21:48:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



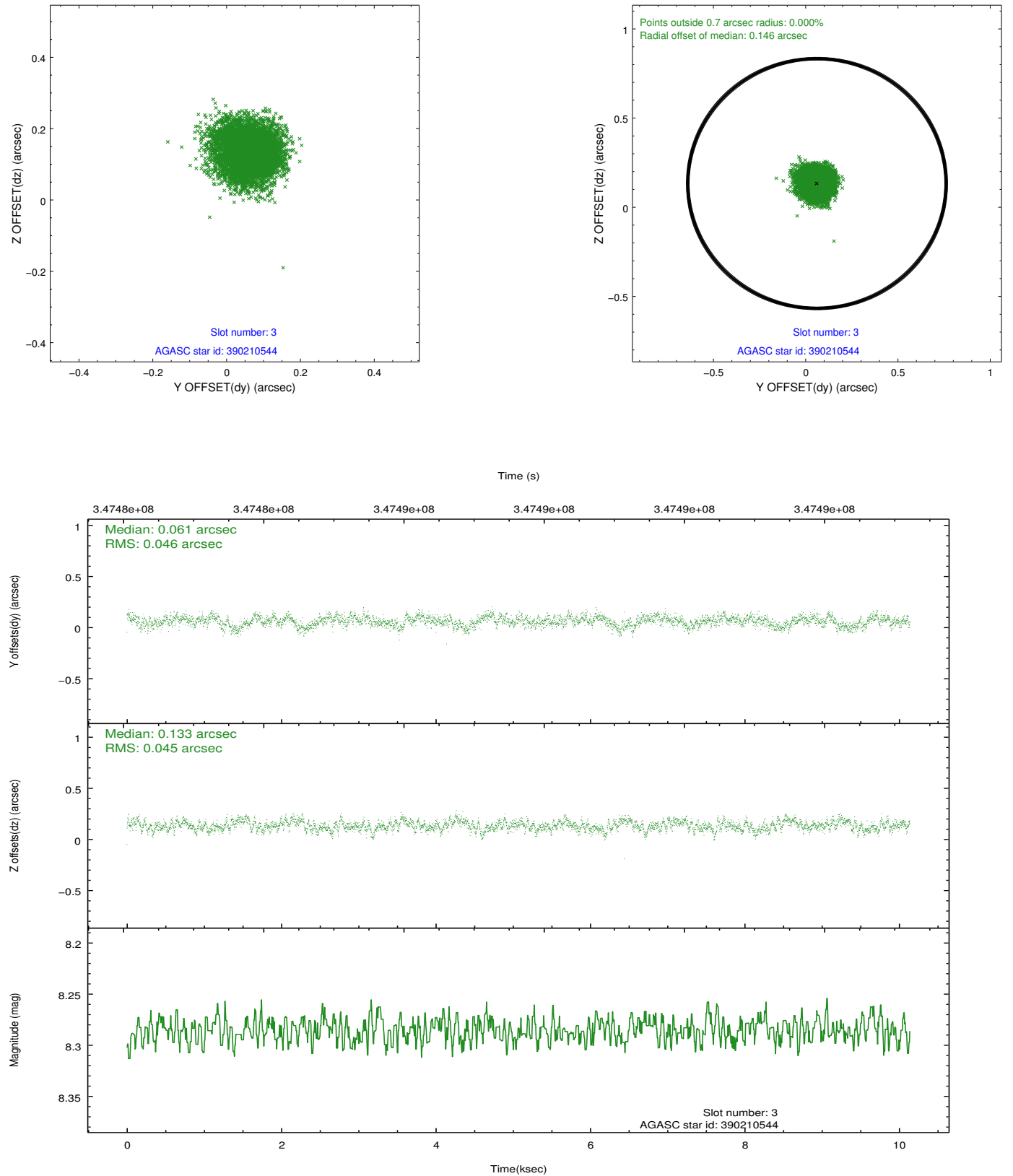


Slot Statistics

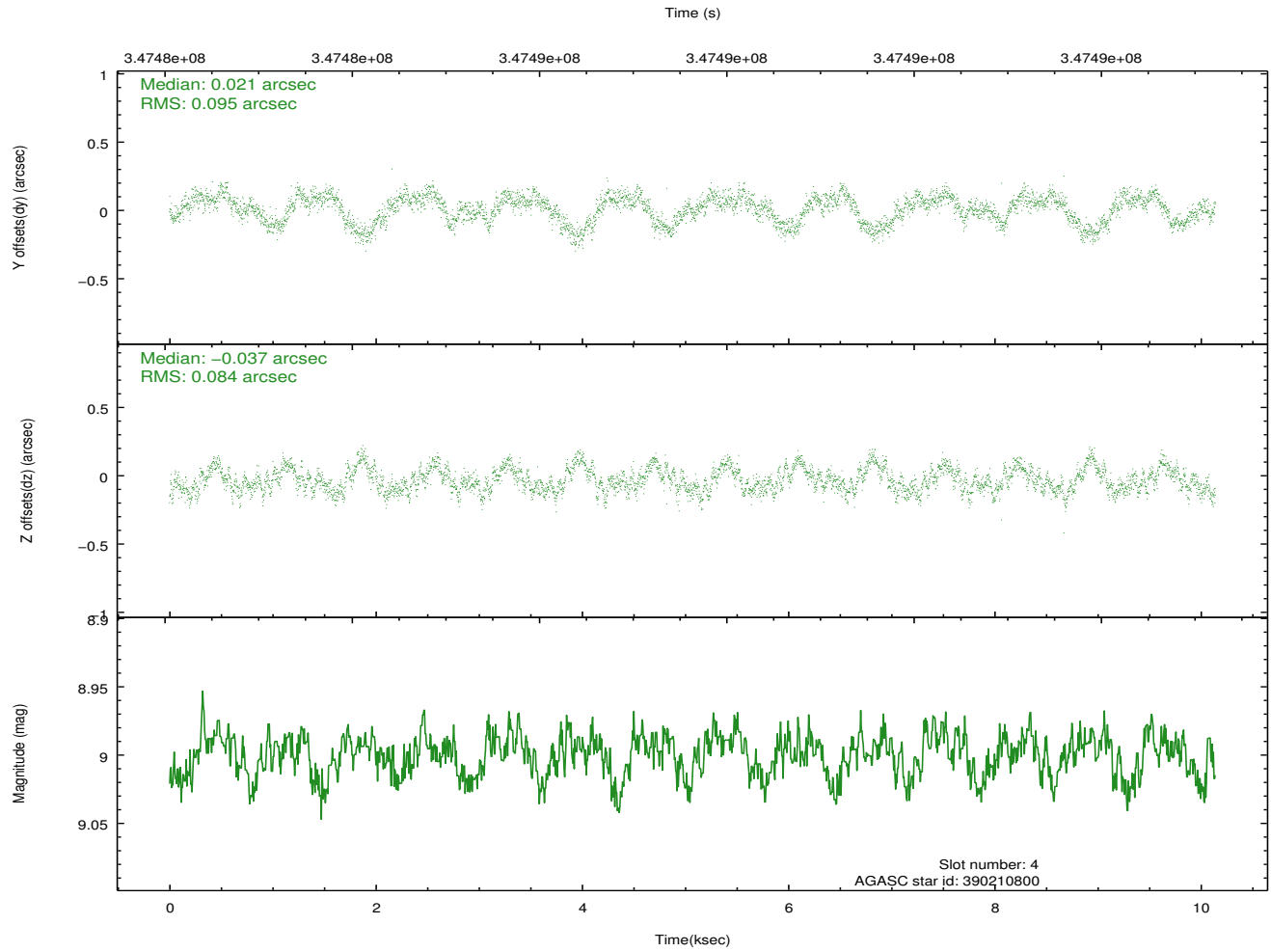
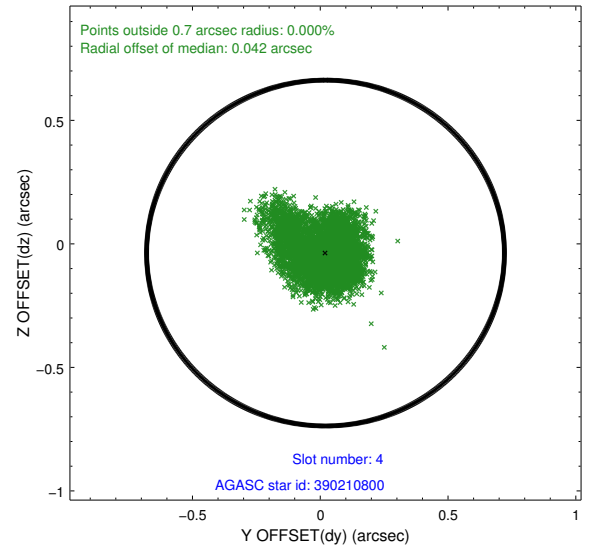
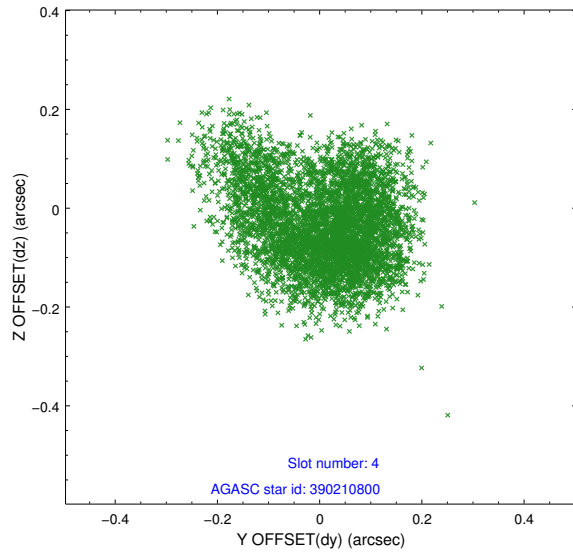
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2473	-0.077	-0.041	0.006	0.011	0.000000	0.000000	-766.51	-1736.44
1	FID	ACIS-S-4	7.00	2473	0.099	0.038	0.007	0.011	0.000000	0.000000	2146.70	171.57
2	FID	ACIS-S-6	7.14	2473	-0.050	0.010	0.007	0.011	0.000000	0.000000	396.17	809.54
3	GUIDE	390210544	8.29	4940	0.061	0.133	0.069	0.110	125.909695	40.675004	-1562.75	-679.75
4	GUIDE	390210800	9.00	4943	0.021	-0.037	0.134	0.219	124.962590	40.555771	-163.57	1539.38
5	GUIDE	390212904	9.11	4942	-0.040	0.003	0.083	0.133	125.074423	40.479797	-571.29	1494.43
6	GUIDE	390215616	7.42	4944	-0.089	-0.146	0.090	0.146	125.662312	40.443823	-1739.47	378.56
7	GUIDE	390213464	9.29	4943	0.060	0.038	0.099	0.158	125.380172	40.196724	-1890.47	1548.01

2.4 Star Slots

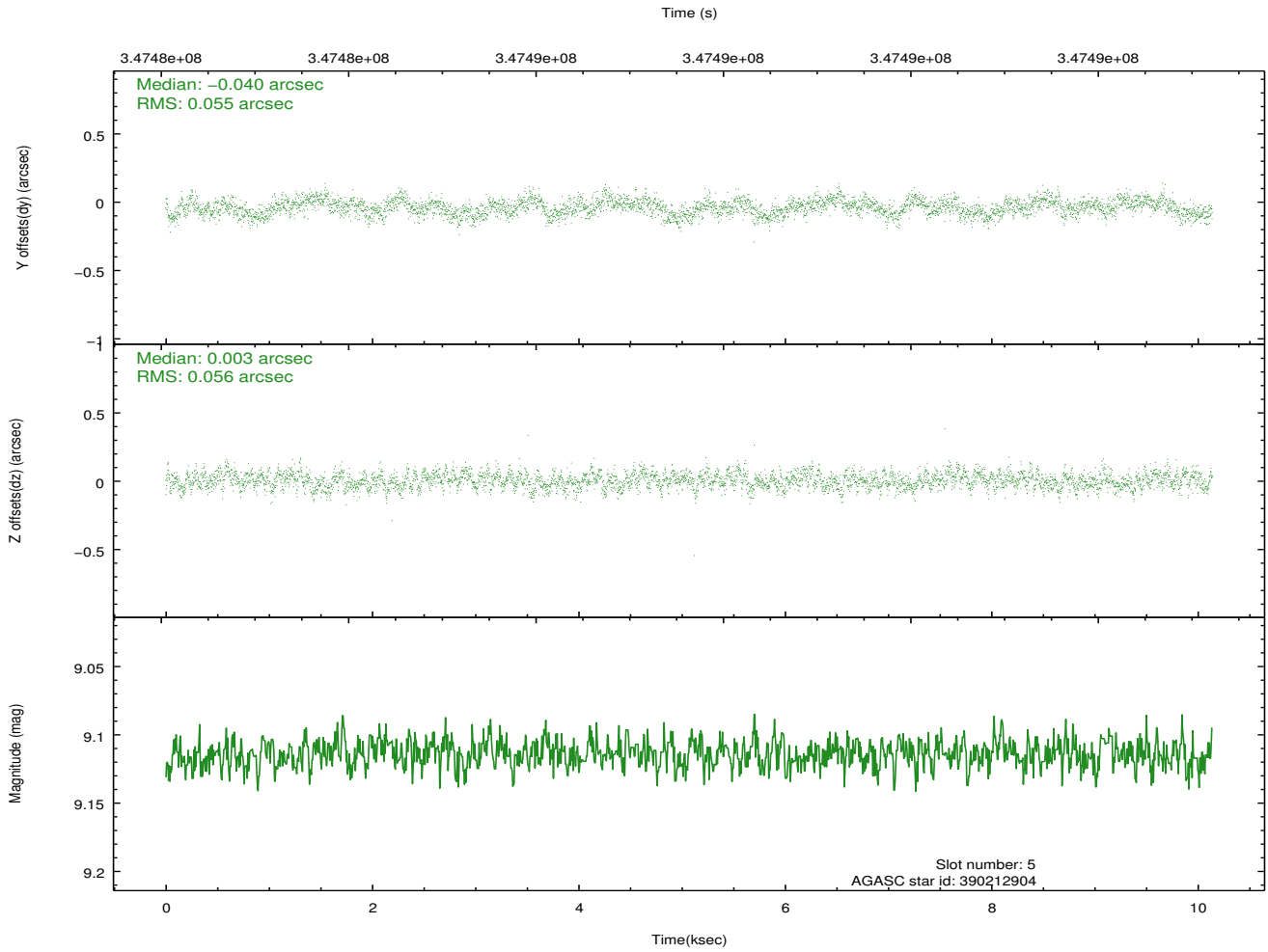
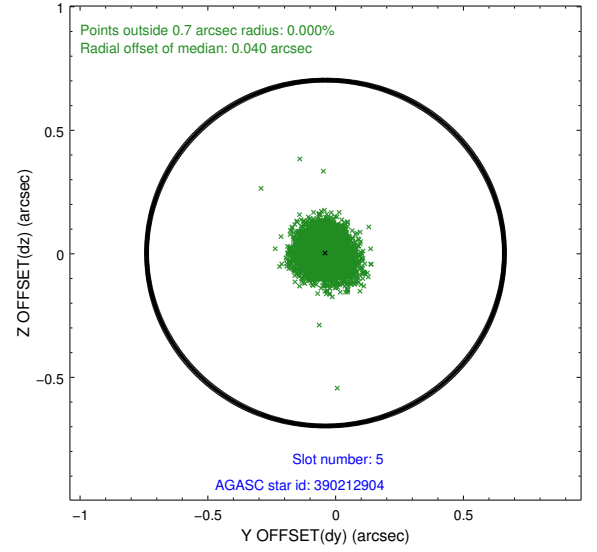
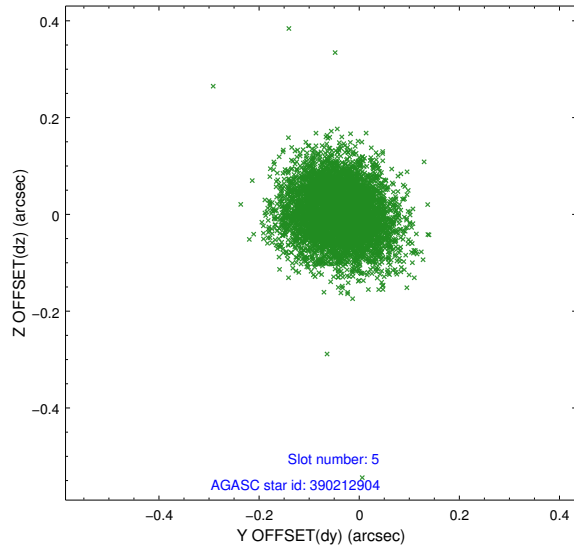
2.4.1 Slot 3



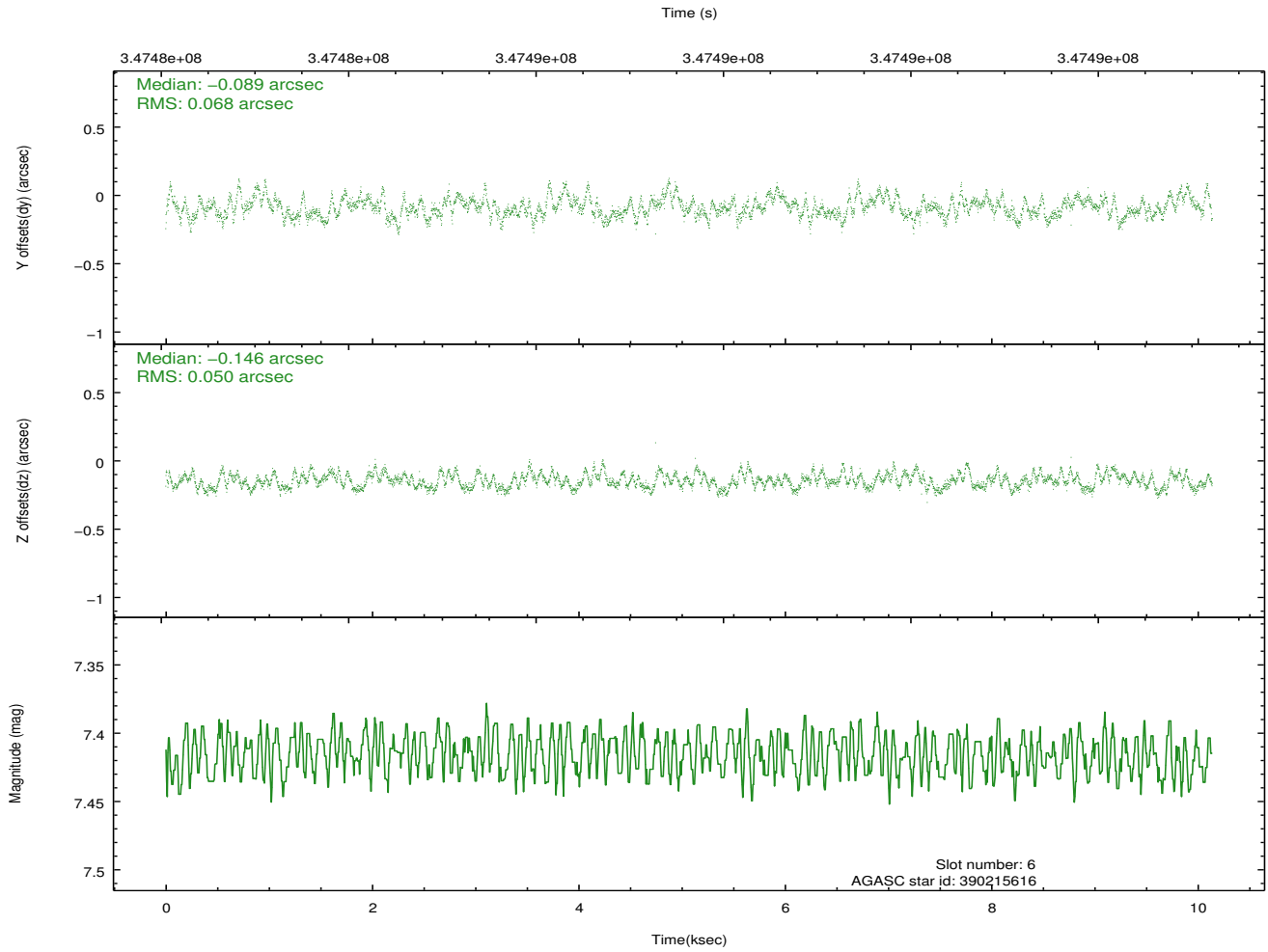
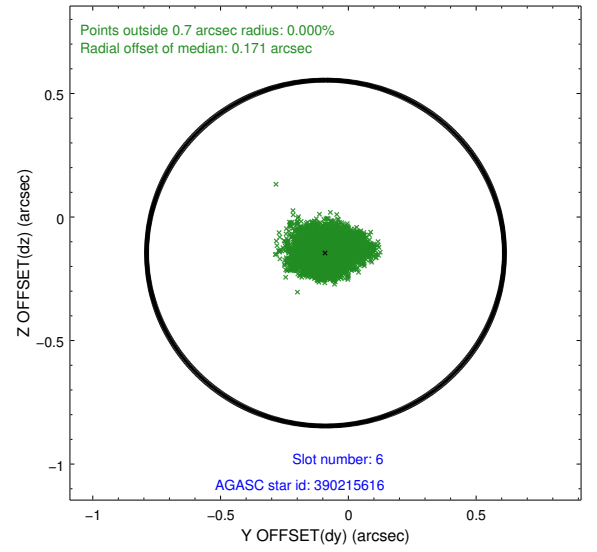
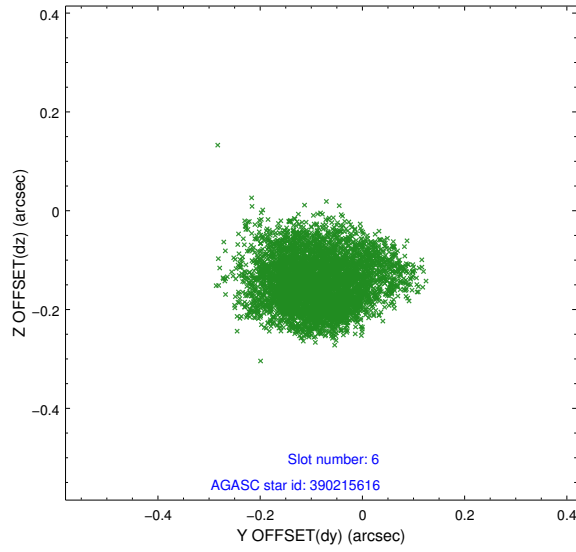
2.4.2 Slot 4



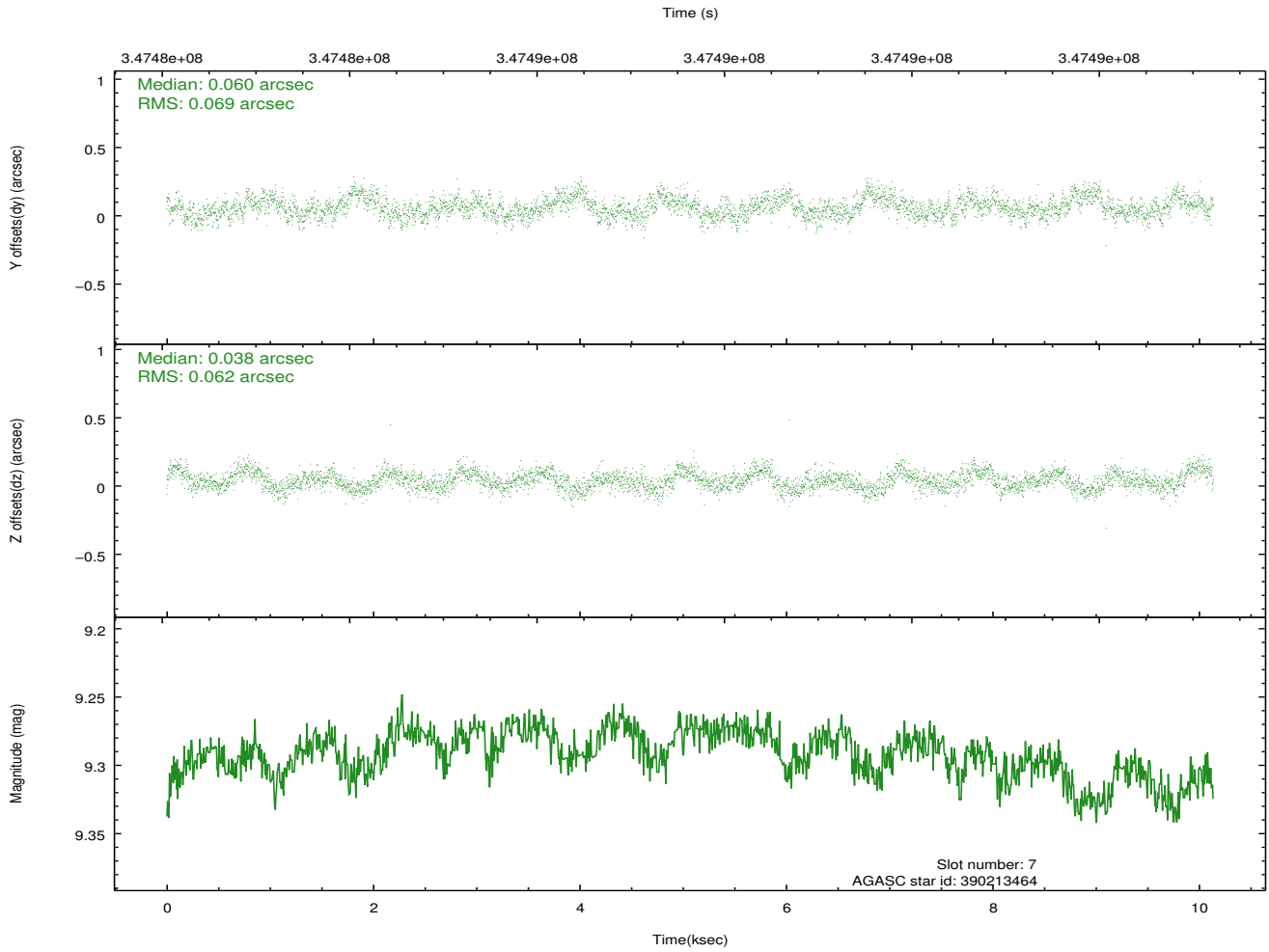
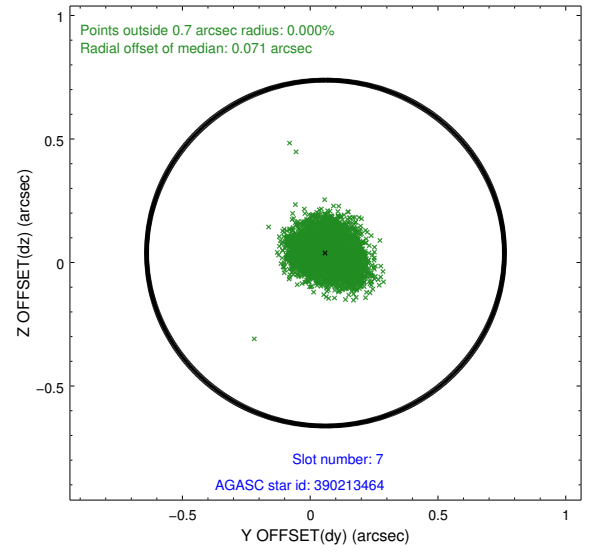
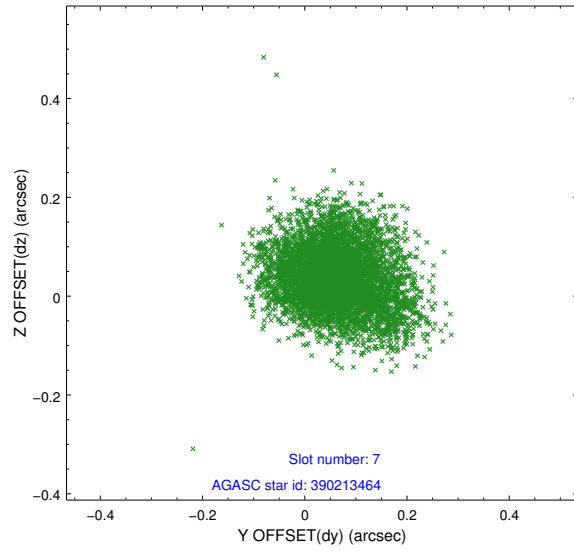
2.4.3 Slot 5



2.4.4 Slot 6

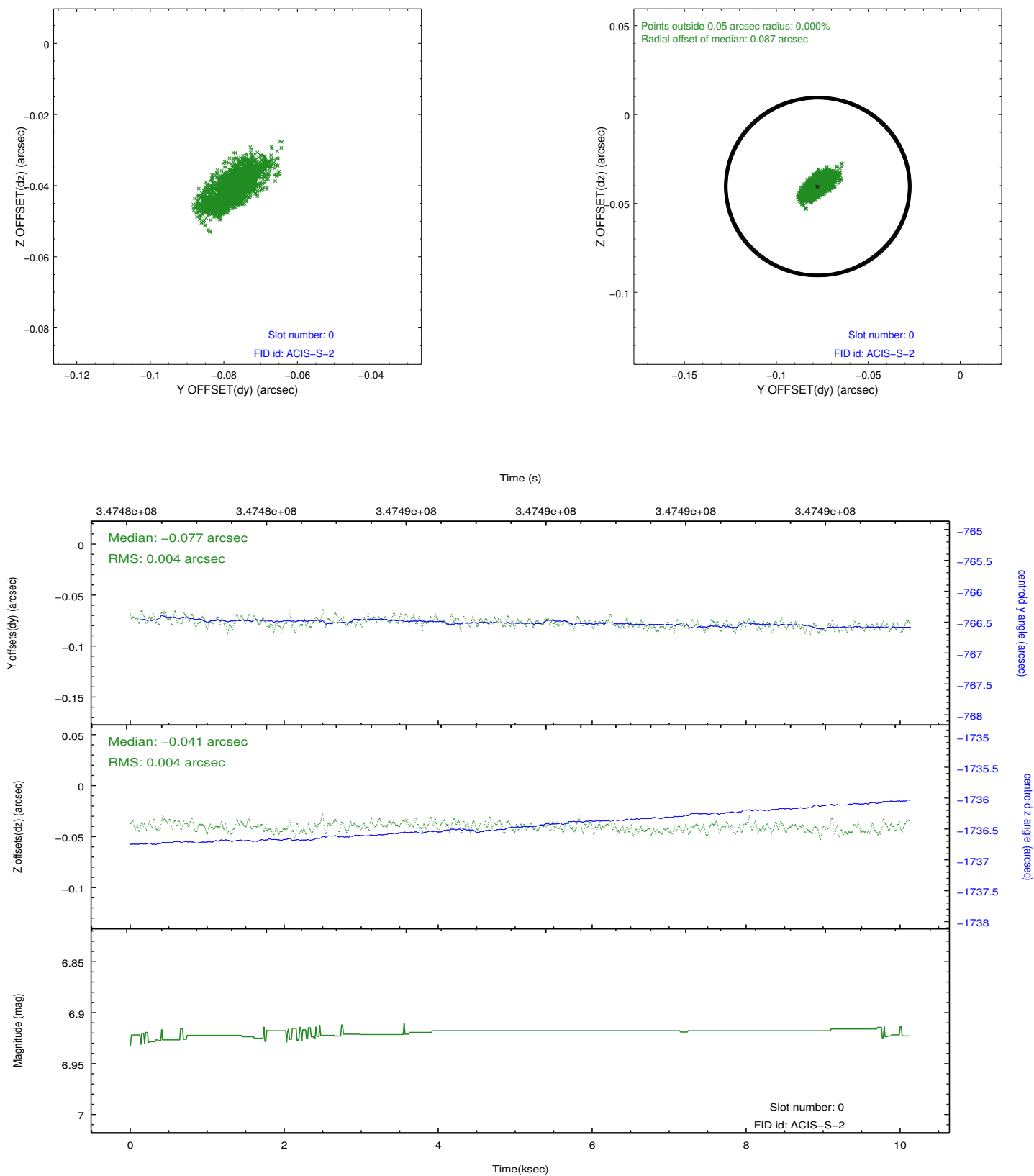


2.4.5 Slot 7

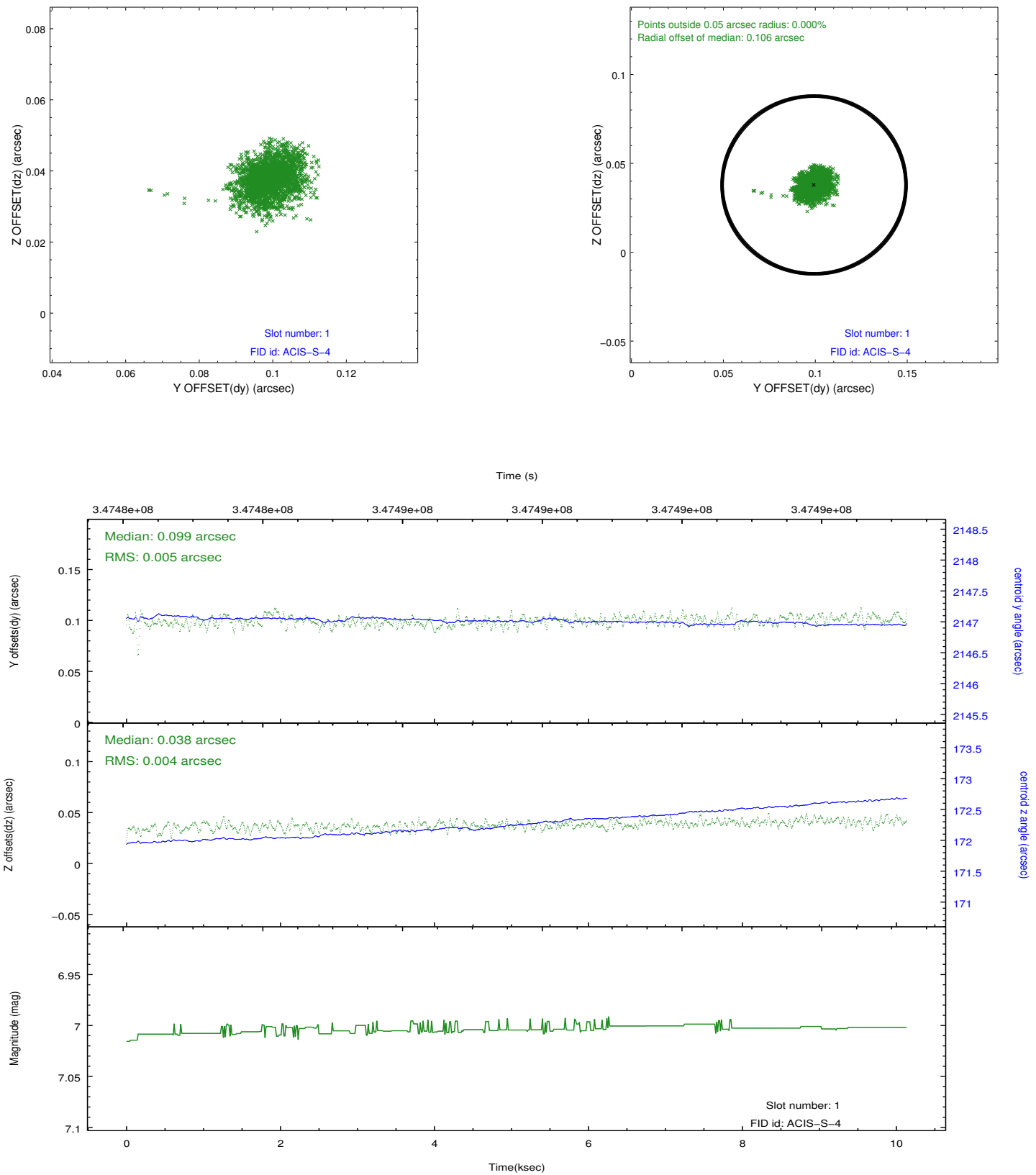


2.5 FID Slots

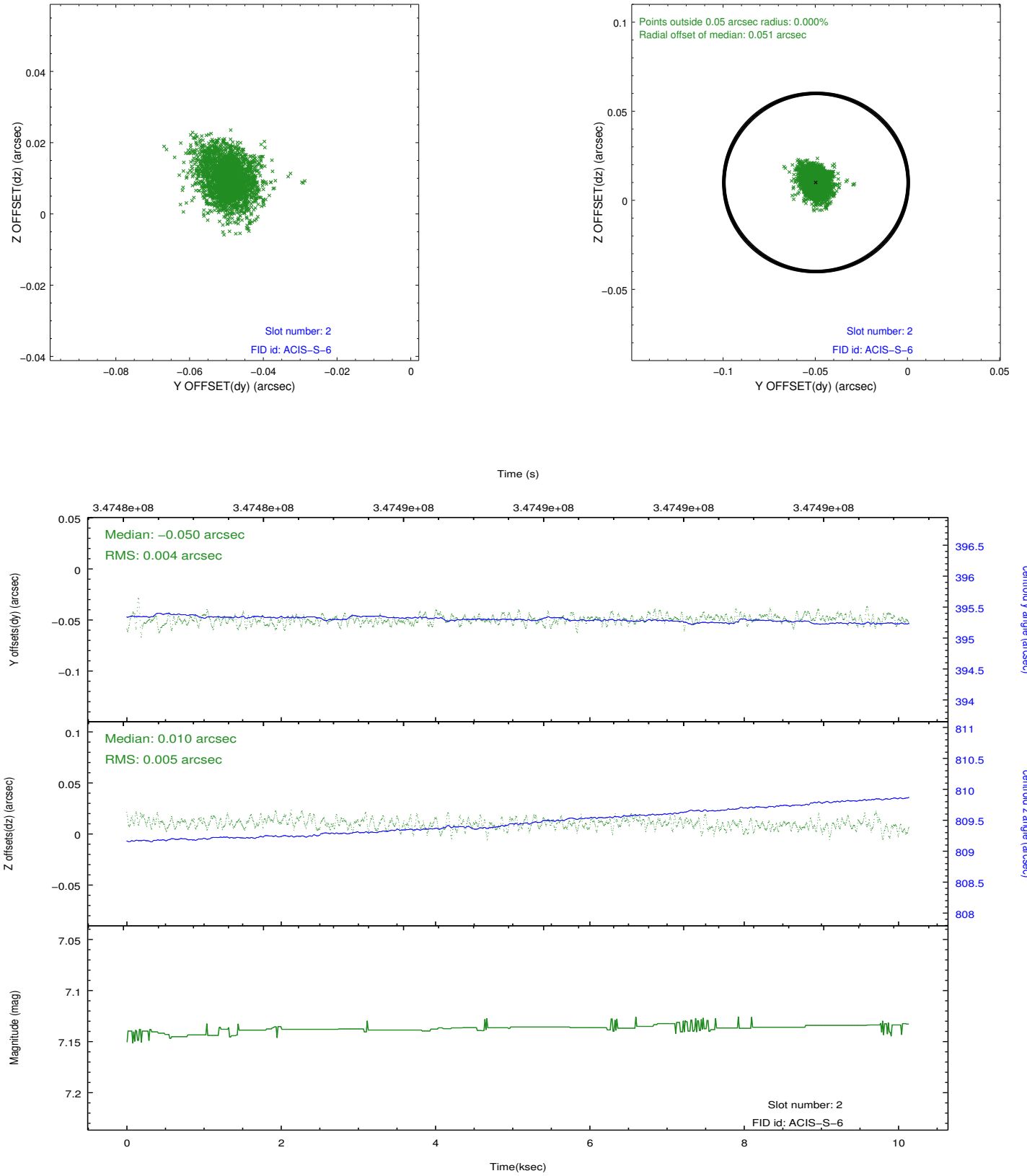
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1339

A.2 Comments