

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9155 - L2 Version 2
Chandra X-Ray Center

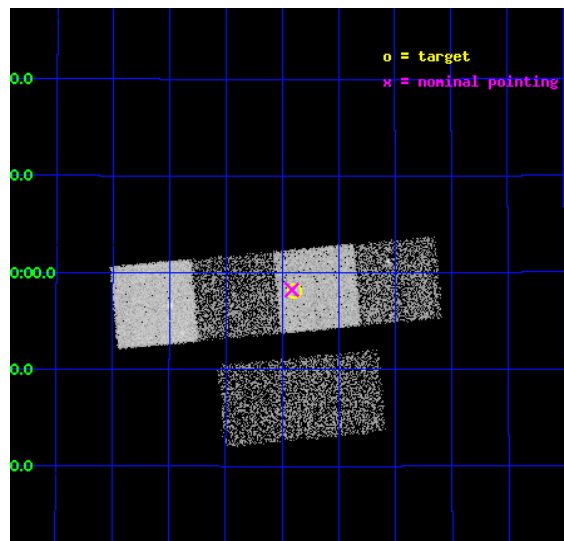
L2 Processing Date : May 5 2012

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1 Front

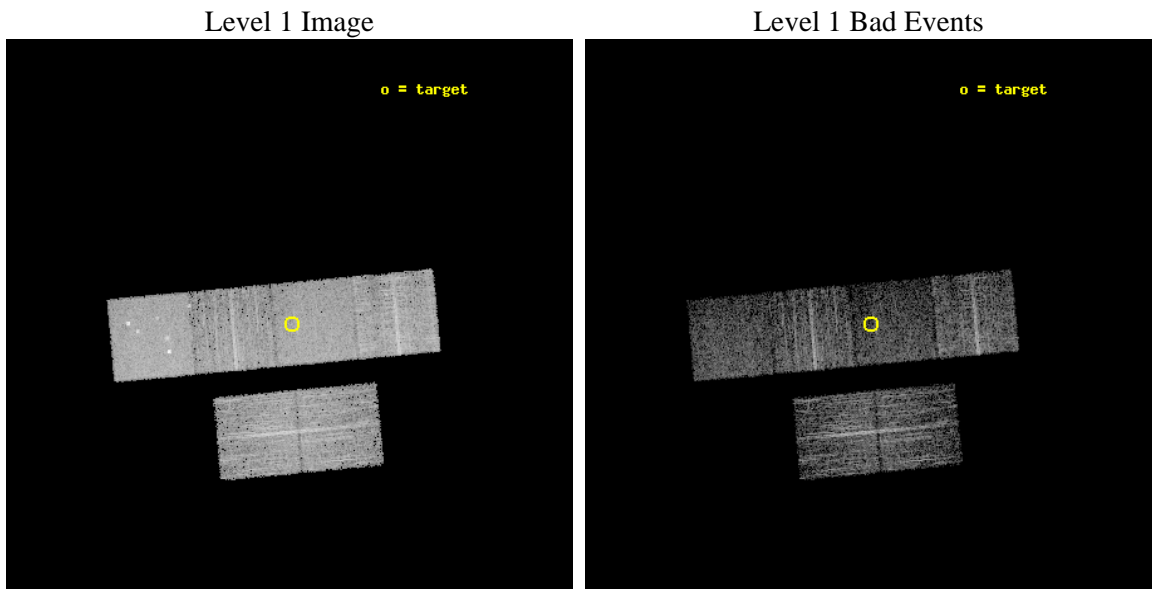
seq_num	701597	Sequence number
obs_id	9155	Observation id
title	Chandra ACIS Snapshots of the Brightest Radio-Loud Broad Absorption Line Quasars in the SDSS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J162453.47+375806.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.222917	Observer's specified target RA [deg]
dec_targ	37.9685	Observer's specified target Dec [deg]
ra_nom	246.22846303795	Nominal RA [deg]
dec_nom	37.970722736547	Nominal Dec [deg]
roll_nom	354.66914904603	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4044.1854808331	Sum of GTIs [s]
livetime	3992.9755691586	Livetime [s]
ontime2	4044.2265208364	Sum of GTIs [s]
ontime3	4044.0623608232	Sum of GTIs [s]
ontime5	4044.1444408298	Sum of GTIs [s]
ontime6	4044.1034008265	Sum of GTIs [s]
ontime7	4044.1854808331	Sum of GTIs [s]
ontime8	4044.0213208199	Sum of GTIs [s]
l2events	48792	Number of level 2 events



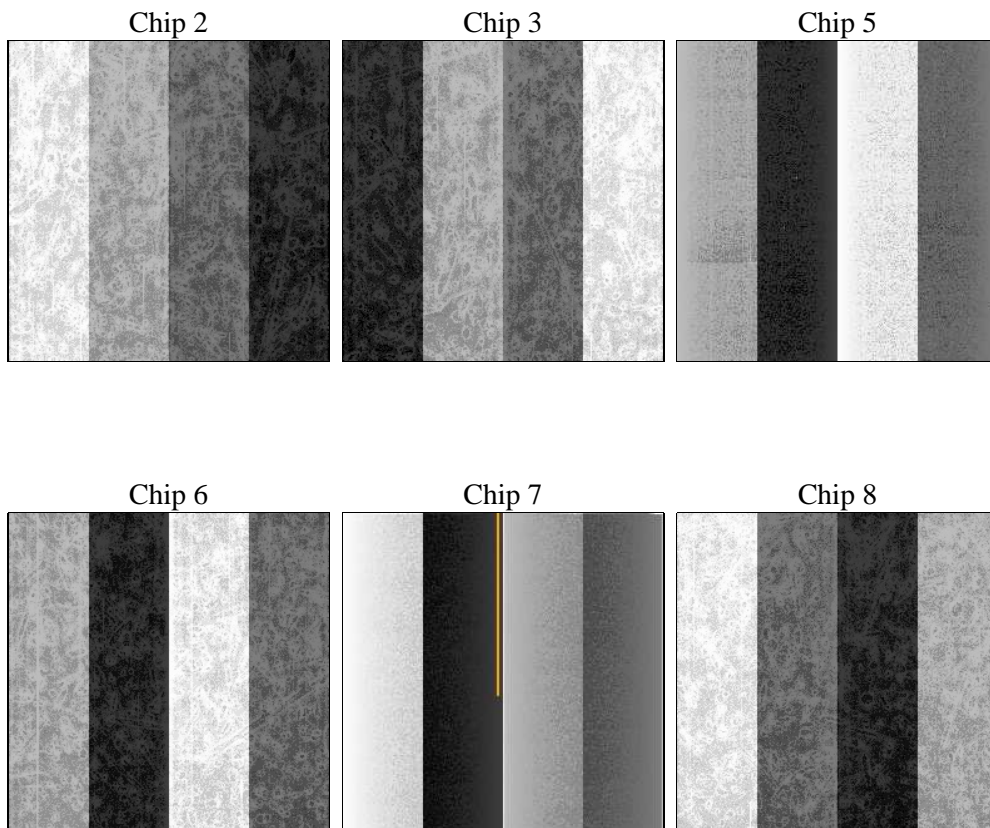
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4044.1854808331	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	4044.2265208364	Sum of GTIs [s]
date	2012-05-05T05:10:49	Date and time of file creation	ontime3	4044.0623608232	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4044.1444408298	Sum of GTIs [s]
			ontime6	4044.1034008265	Sum of GTIs [s]
			ontime7	4044.1854808331	Sum of GTIs [s]
			ontime8	4044.0213208199	Sum of GTIs [s]
			l1events	221616	Number of level 1 events

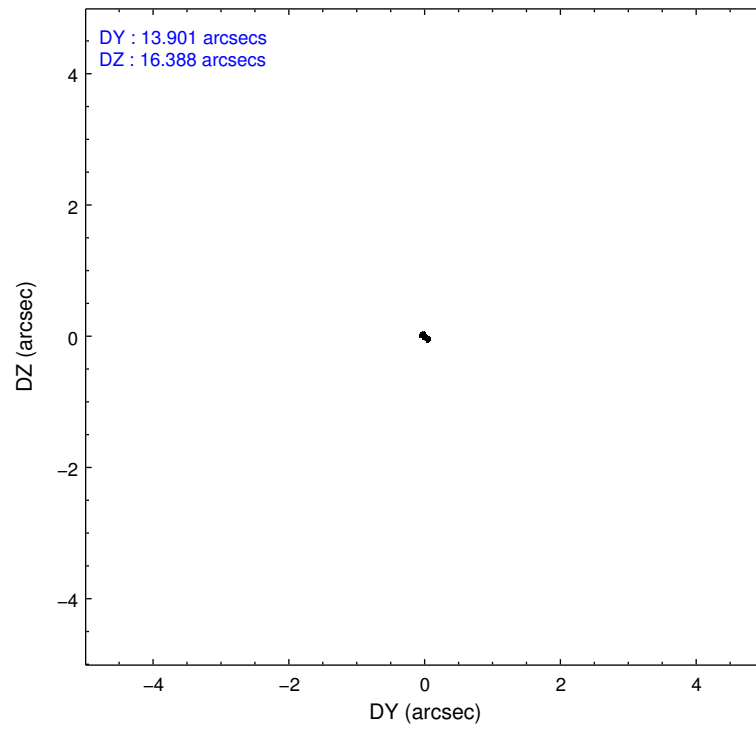
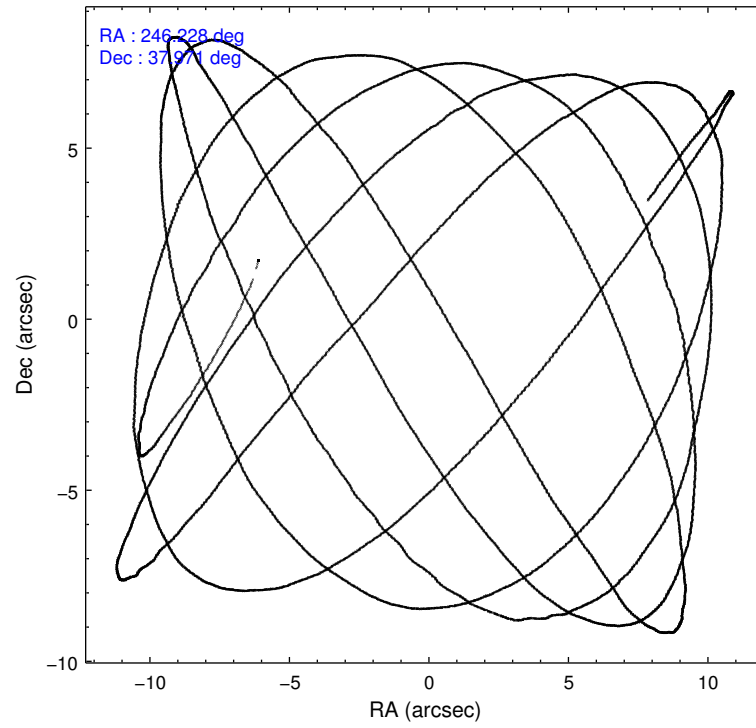
2.1.4 Events

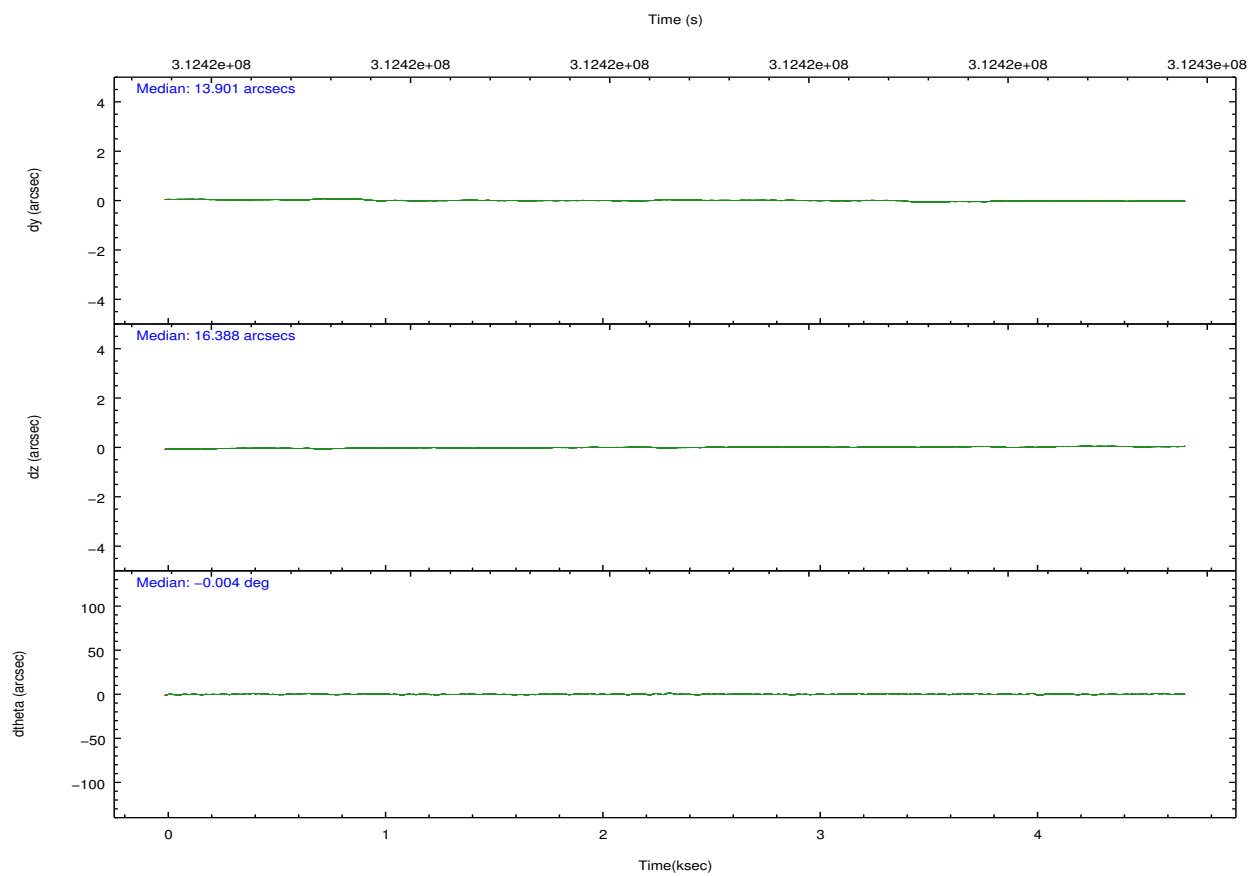
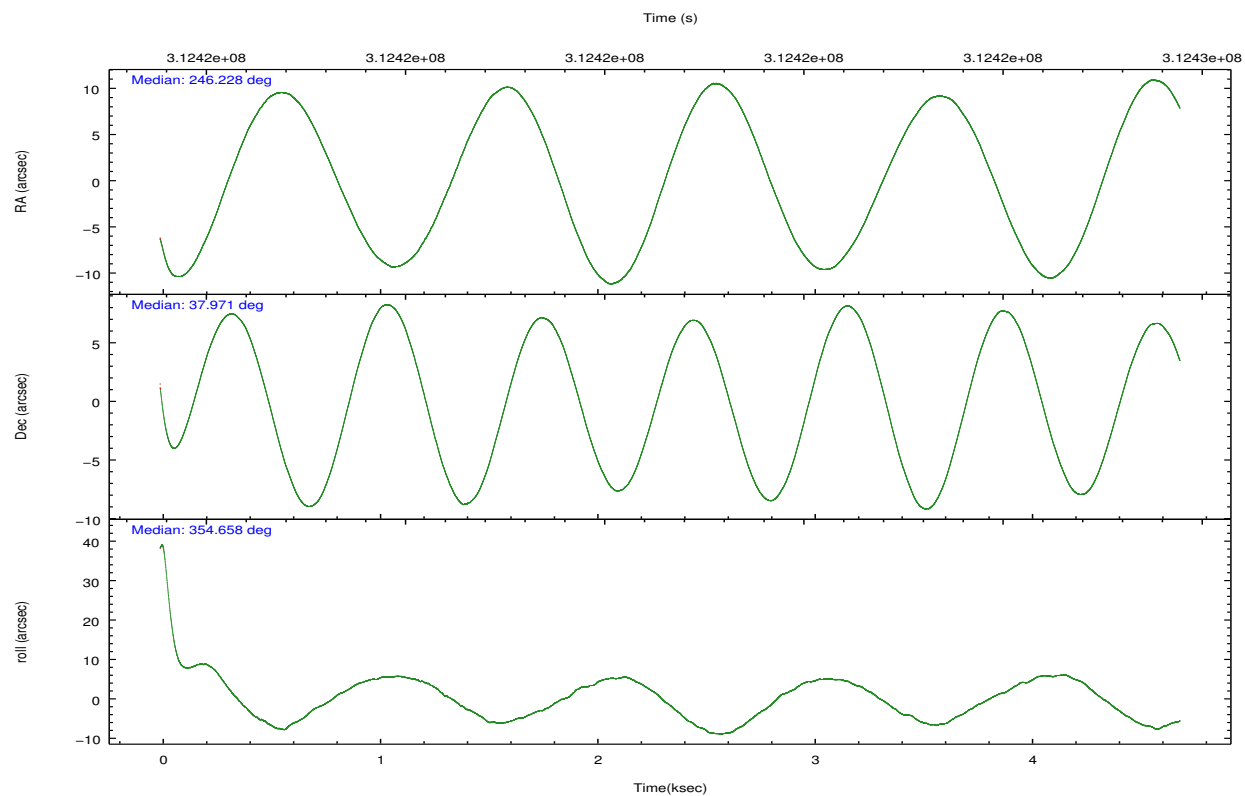
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34419	30898	46228	32899	35734	41438	grade 0 events	1113	1114	3626	1130	1590	3021
rejected events	31273	27895	22313	29524	19417	31410		3%	3%	7%	3%	4%	7%
rejected %	90%	90%	48%	89%	54%	75%	grade 1 events	17	19	119	17	34	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	833	653	6762	807	3224	2345
								2%	2%	14%	2%	9%	5%
							grade 3 events	305	342	987	372	1524	1001
								0%	1%	2%	1%	4%	2%
							grade 4 events	328	305	1012	385	1479	911
								0%	0%	2%	1%	4%	2%
							grade 5 events	1111	1309	3614	1306	3767	1872
								3%	4%	7%	3%	10%	4%
							grade 6 events	569	591	11541	684	8518	2764
								1%	1%	24%	2%	23%	6%
							grade 7 events	30143	26565	18567	28198	15598	29500
								87%	85%	40%	85%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	246.197108	246.2284630379501	CCD I2 on	O1	Y
[deg] Pointing Dec	37.958904	37.97072273654707	CCD I3 on	O2	Y
[deg] Pointing Roll	354.531716	354.6691490460288	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	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	Y	Y
[s] Observation start time (MET)	312421671.184000	312420407.96488	CCD S5 on	N	N
Observation start date	2007-11-25T23:46:46	2007-11-25T23:26:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	312425671.184000	312425944.50265	On-chip summing requested	N	N
Observation end date	2007-11-26T00:53:26	2007-11-26T00:59:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



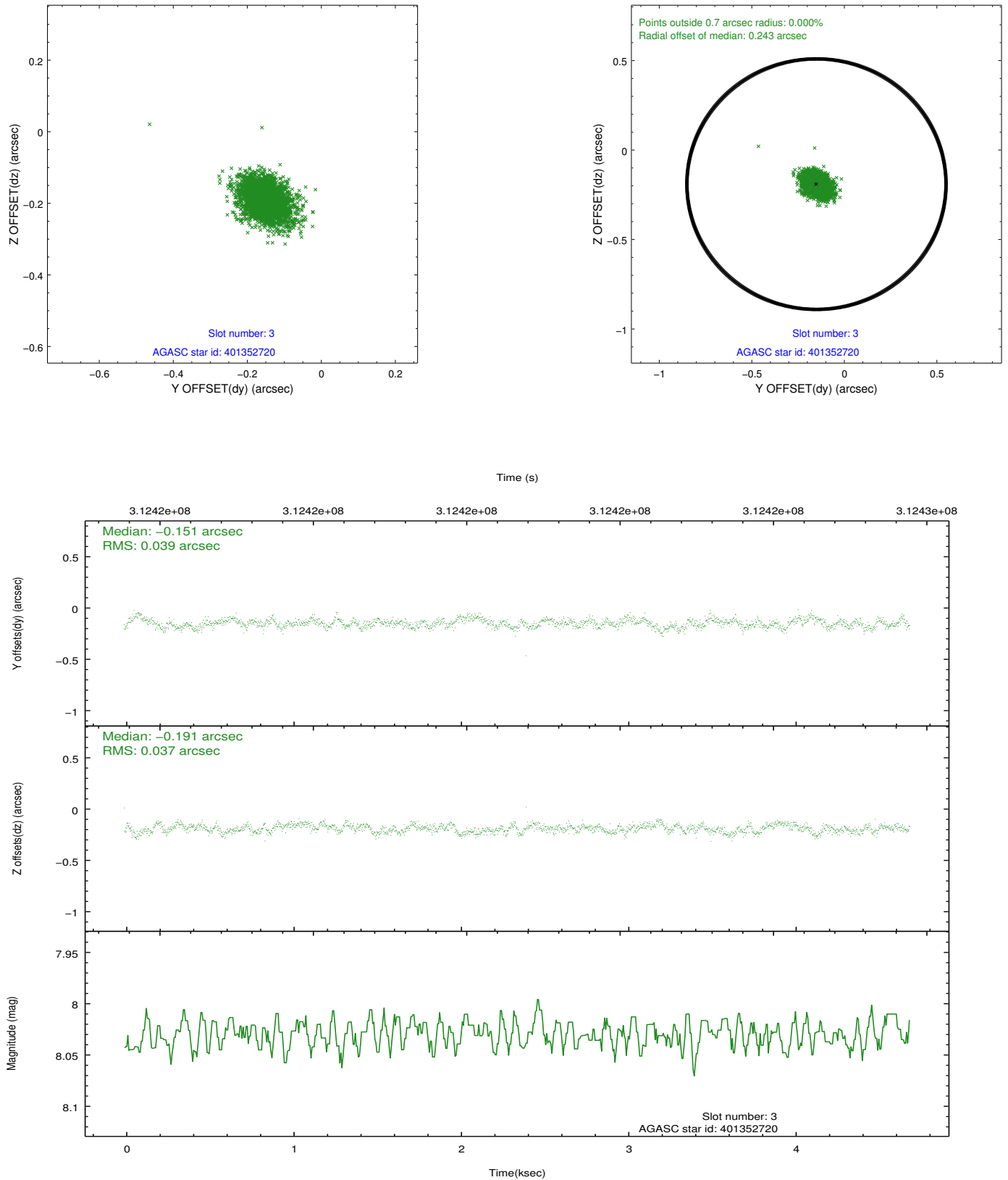


Slot Statistics

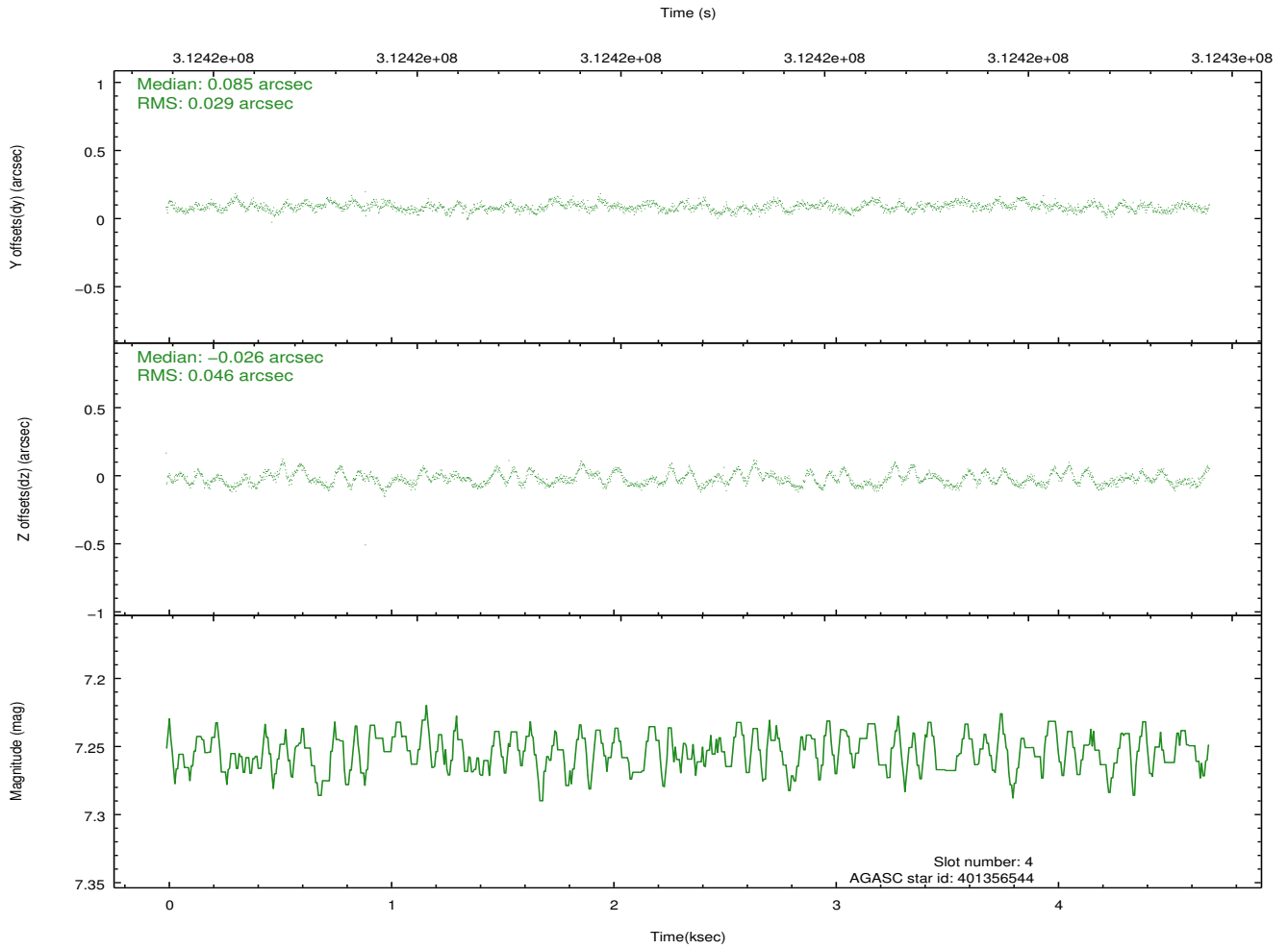
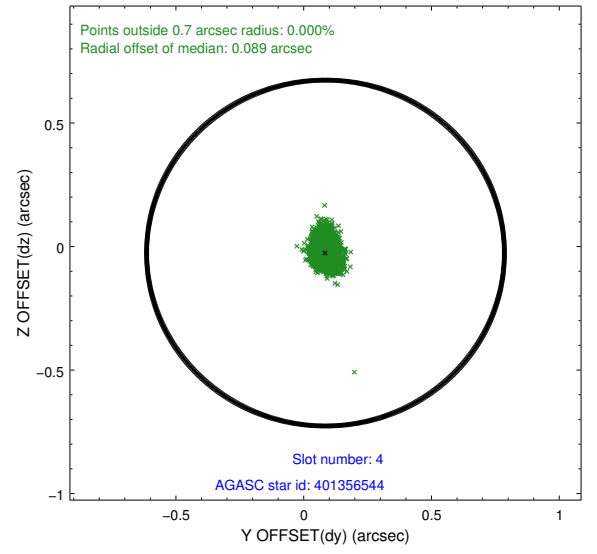
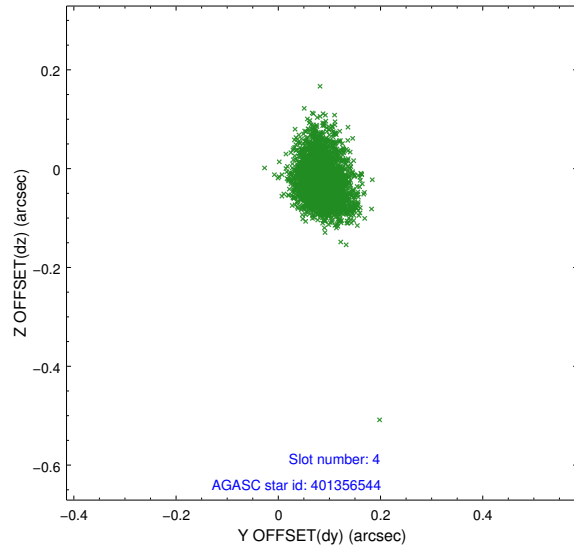
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1145	-0.047	-0.020	0.007	0.011	0.000000	0.000000	-766.90	-1737.82
1	FID	ACIS-S-4	7.19	1145	0.172	0.028	0.006	0.011	0.000000	0.000000	2146.01	169.35
2	FID	ACIS-S-5	7.22	1145	-0.155	0.000	0.006	0.011	0.000000	0.000000	-1818.17	164.49
3	GUIDE	401352720	8.03	2288	-0.151	-0.191	0.056	0.093	246.356113	37.910237	466.35	-131.33
4	GUIDE	401356544	7.25	2290	0.085	-0.026	0.057	0.092	246.068366	38.478292	-539.32	1826.61
5	GUIDE	401356560	7.68	2289	-0.086	0.179	0.054	0.084	246.659155	37.764897	1375.24	-565.71
6	GUIDE	339088928	9.46	2280	0.010	0.160	0.104	0.173	246.737351	37.238884	1789.37	-2428.33
7	GUIDE	401347064	7.71	2287	0.142	-0.125	0.056	0.088	245.989801	38.641750	-814.06	2390.63

2.4 Star Slots

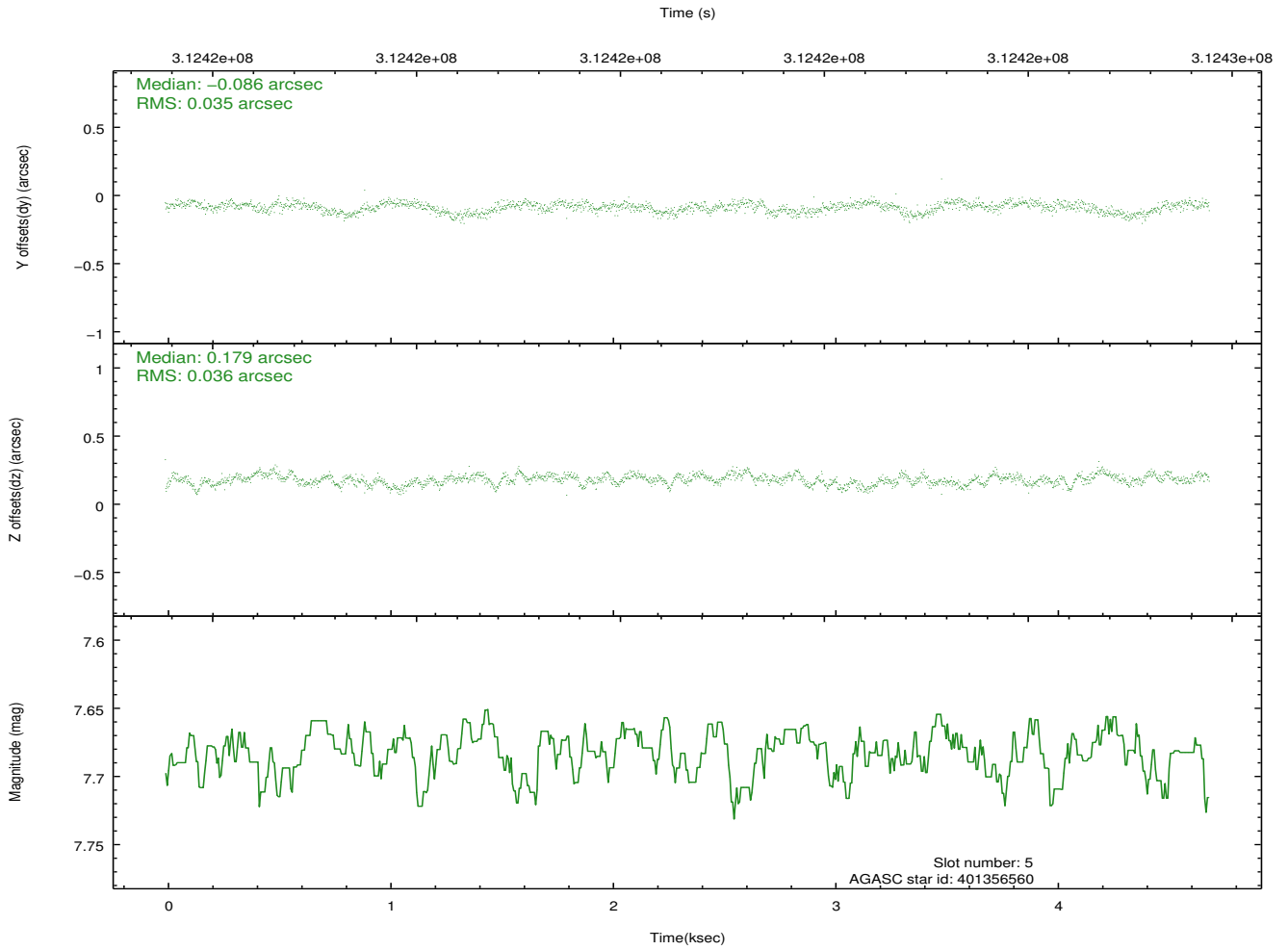
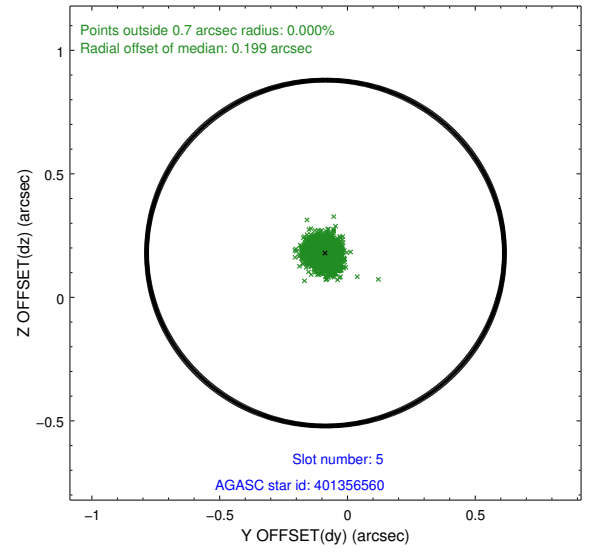
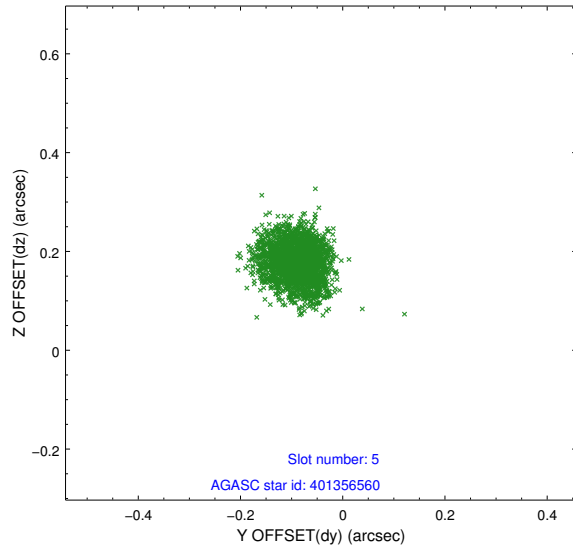
2.4.1 Slot 3



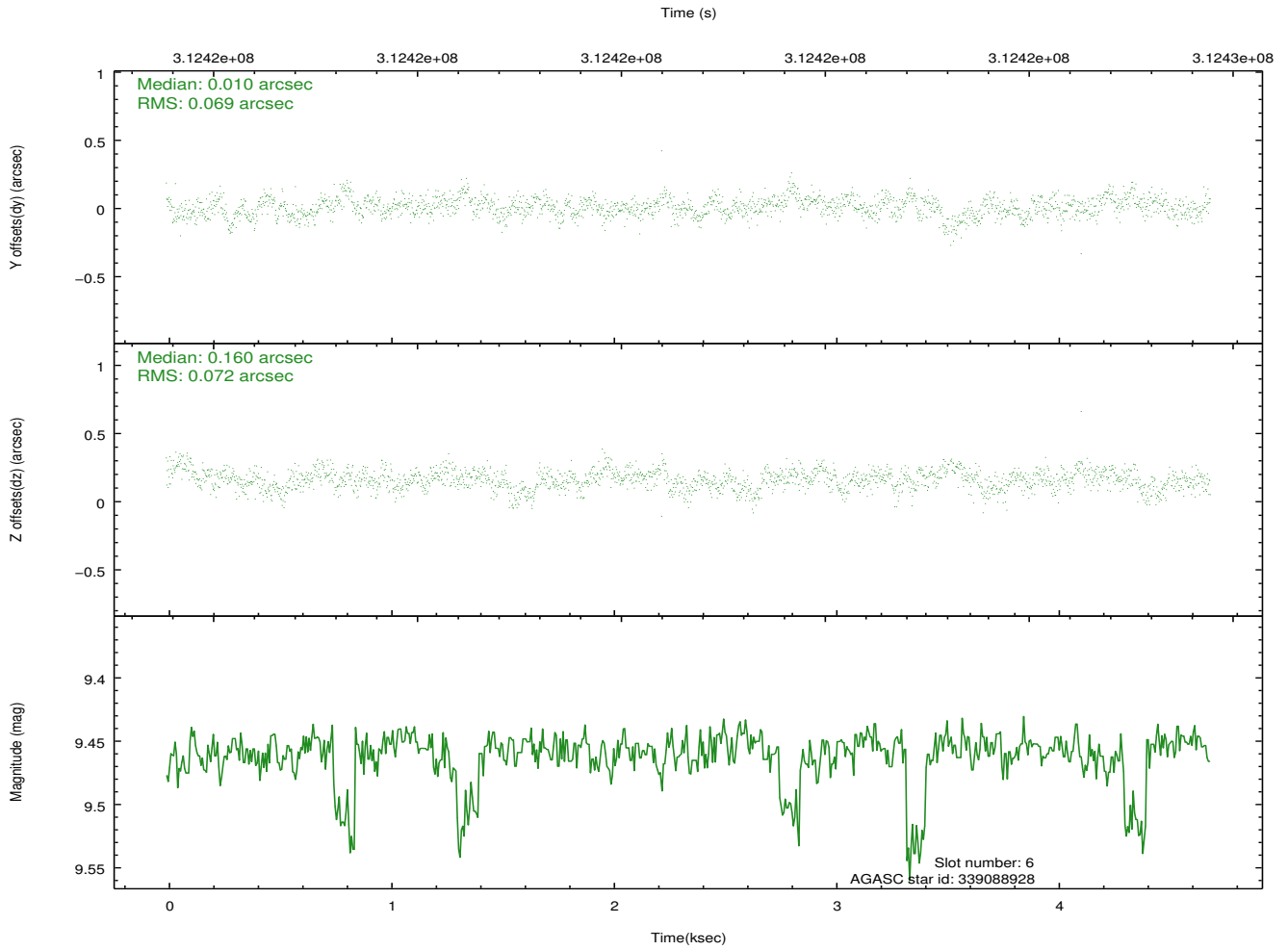
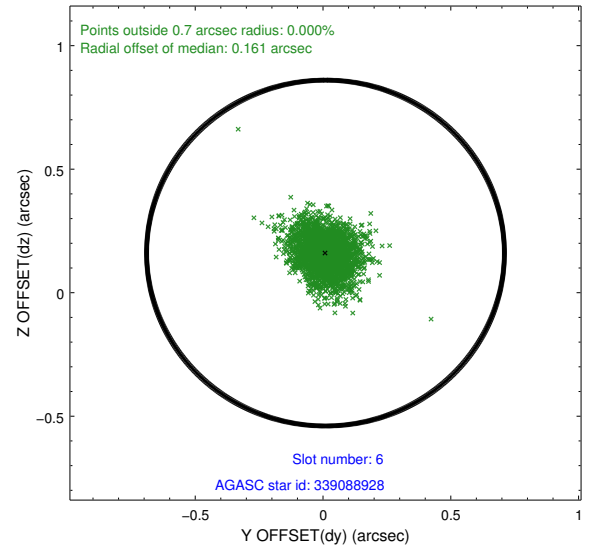
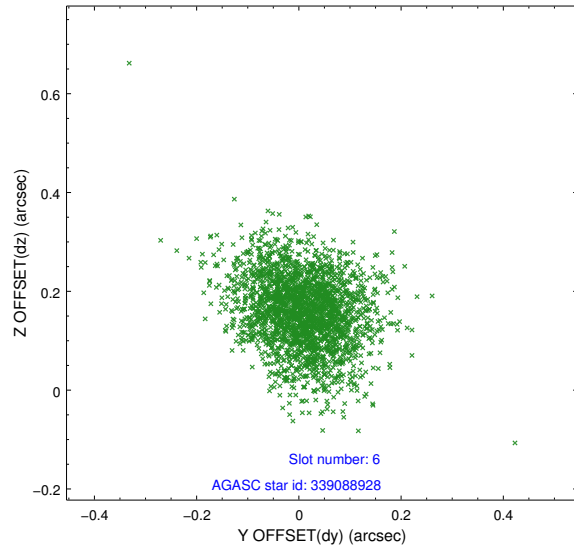
2.4.2 Slot 4



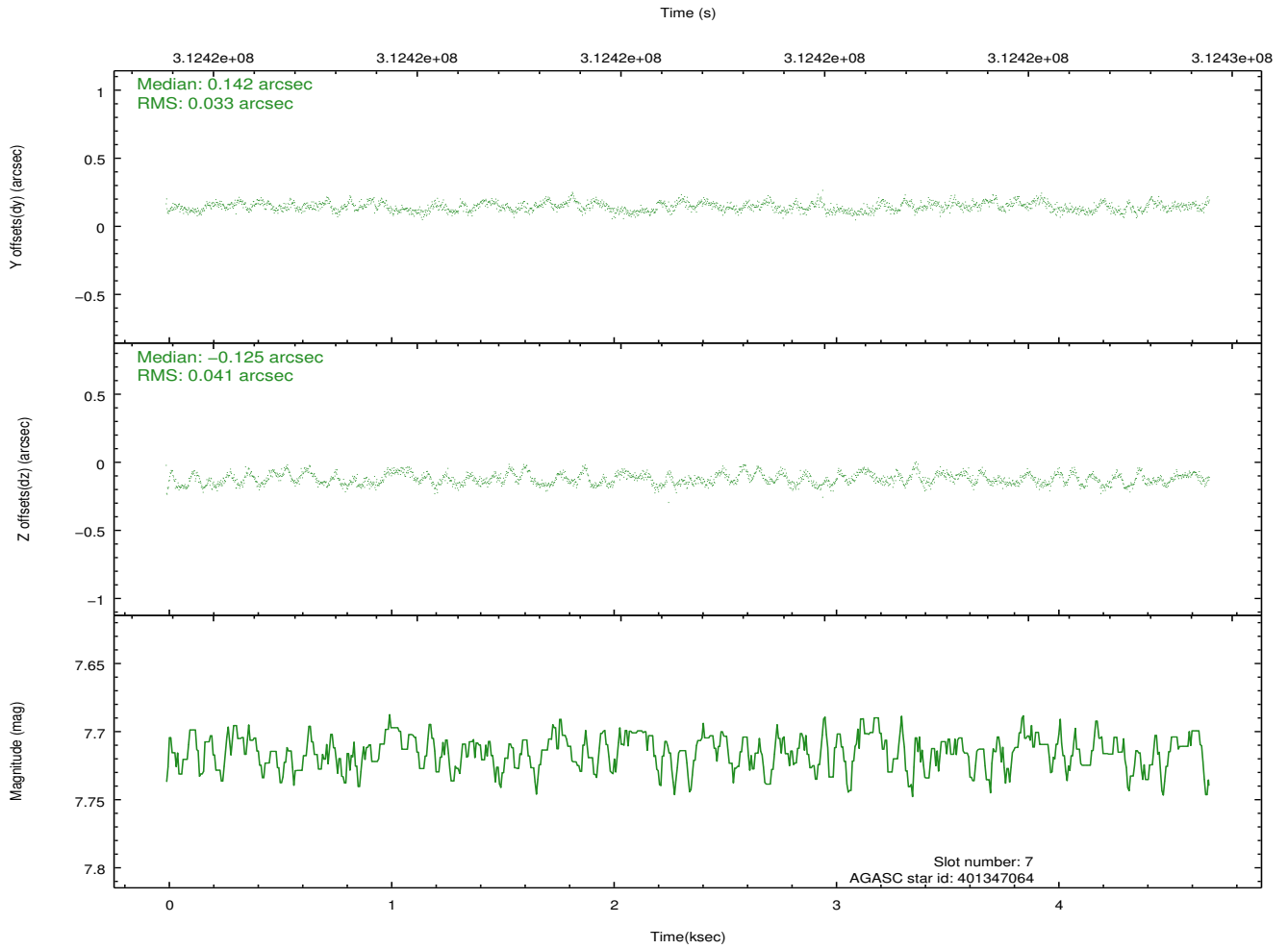
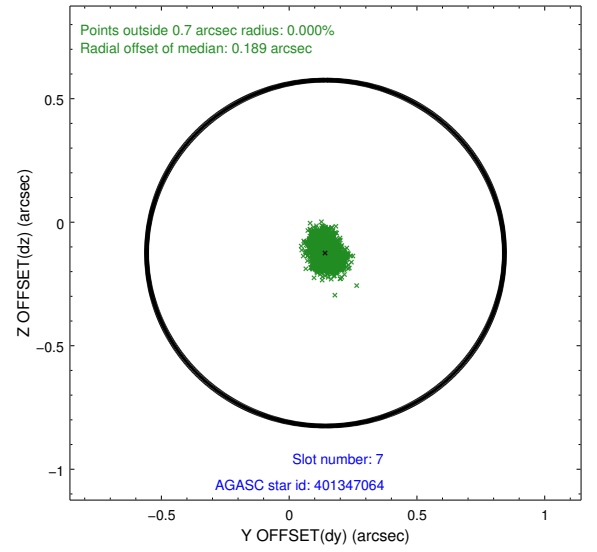
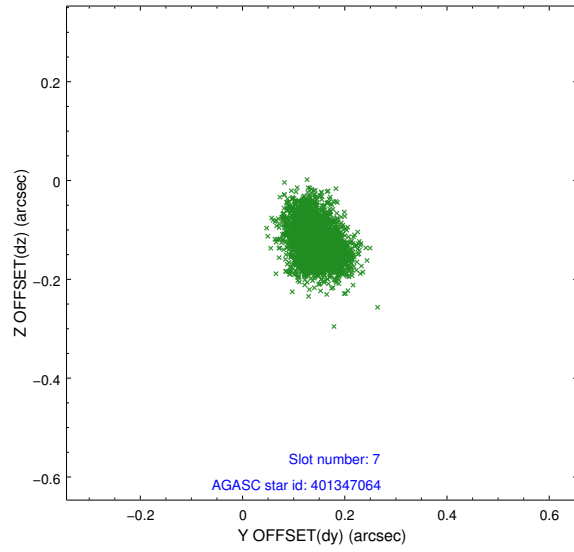
2.4.3 Slot 5



2.4.4 Slot 6

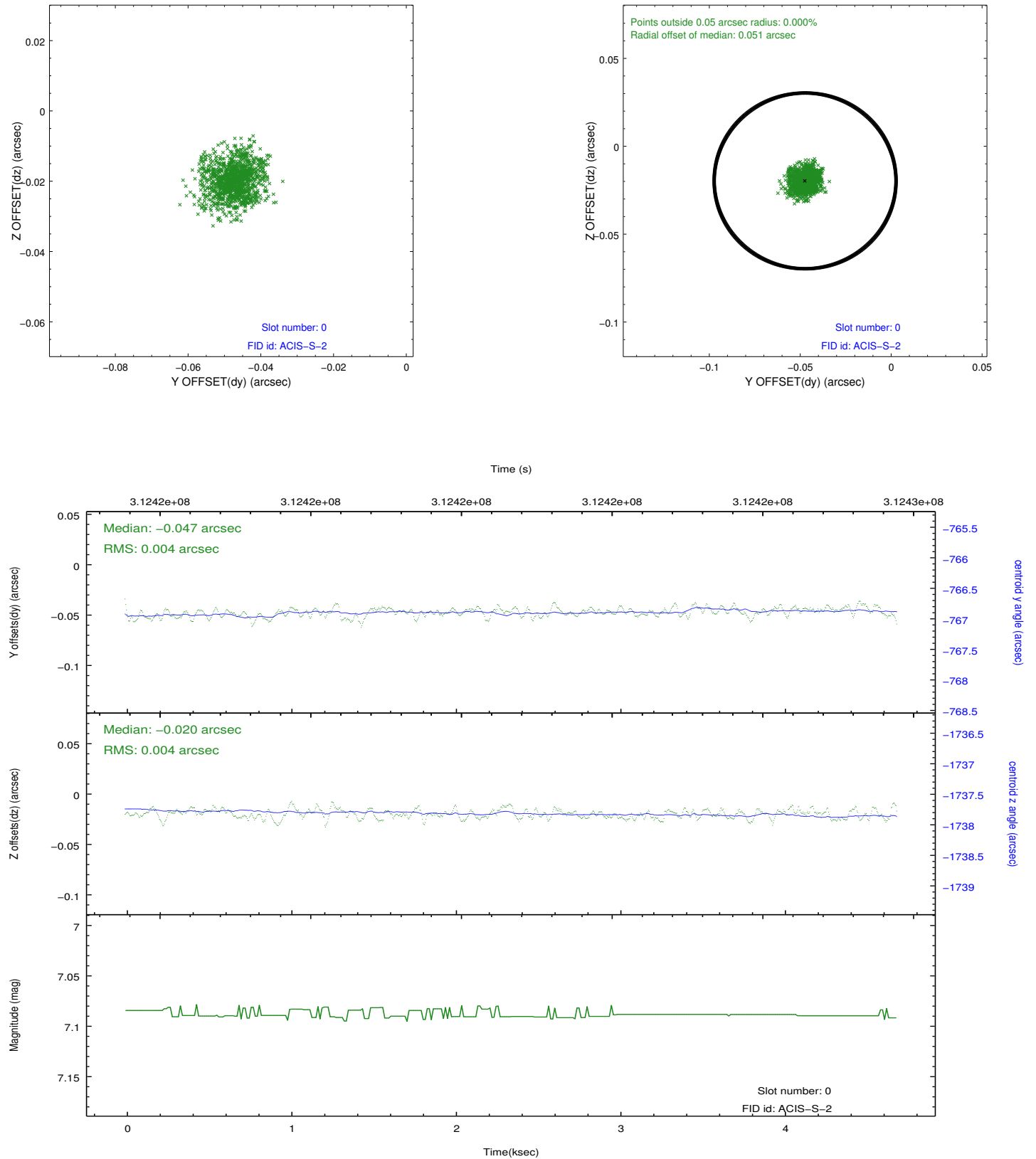


2.4.5 Slot 7

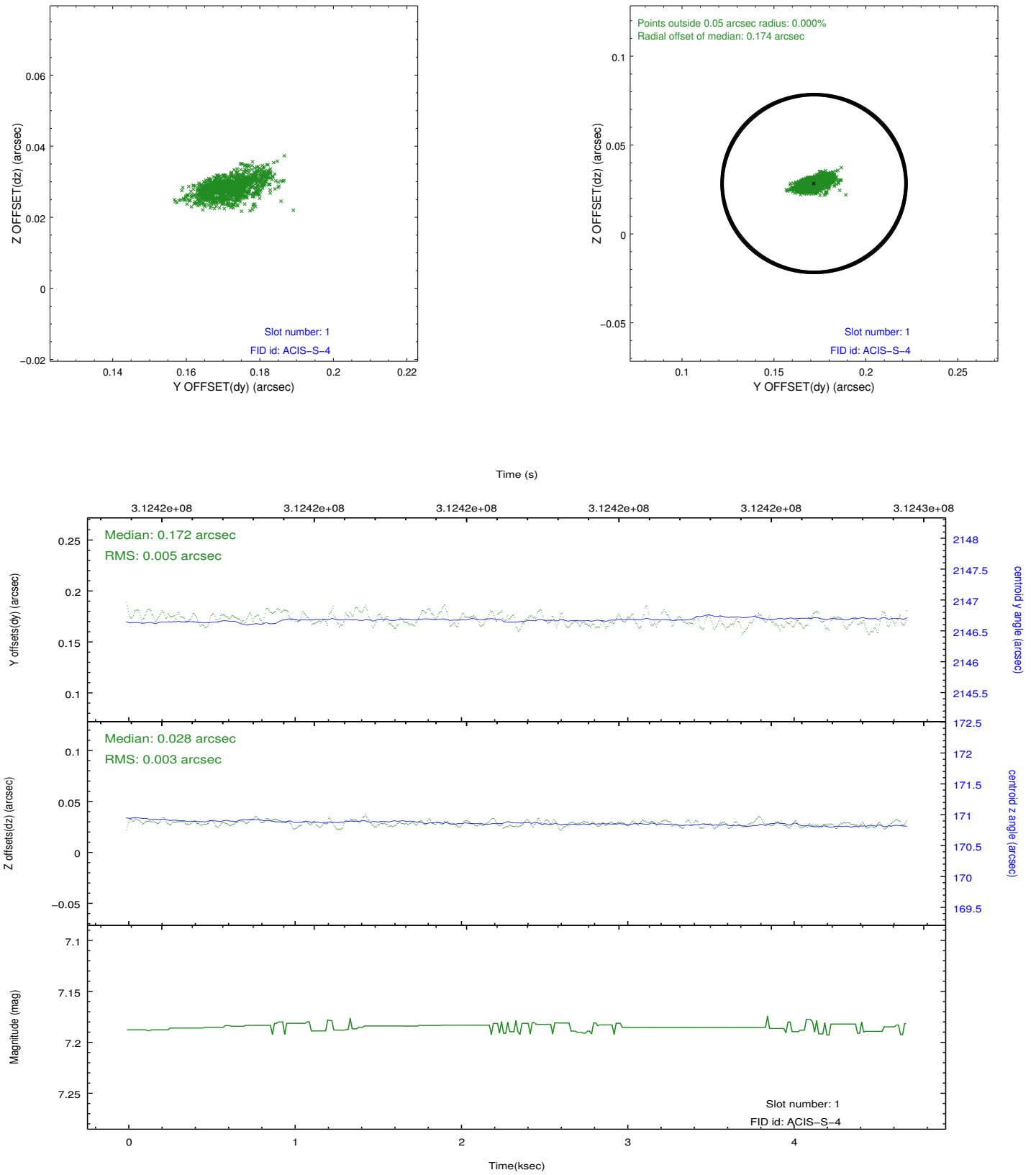


2.5 FID Slots

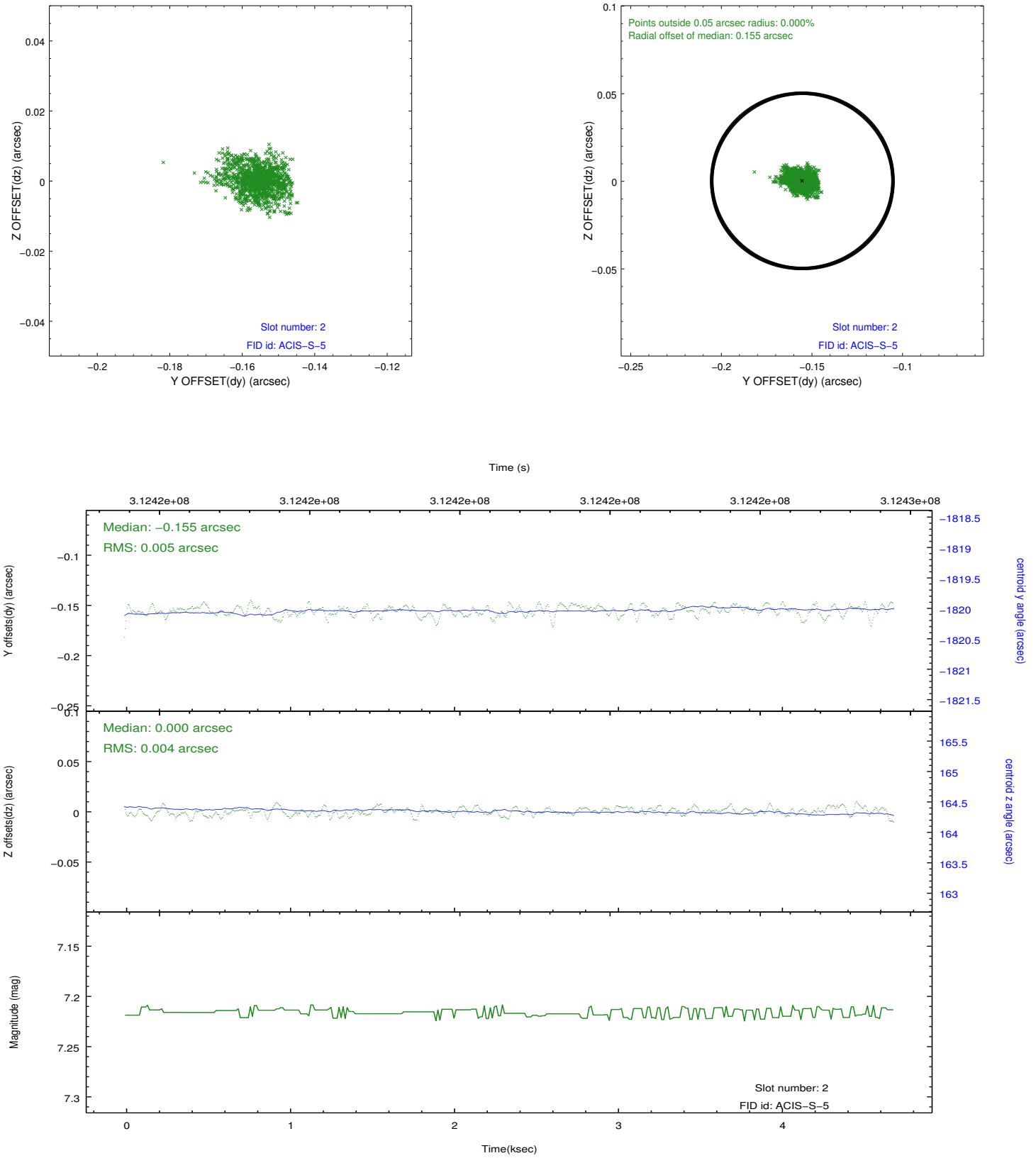
2.5.1 Slot 0



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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.04479998

A.2 Comments