

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13008 - L2 Version 2
Chandra X-Ray Center

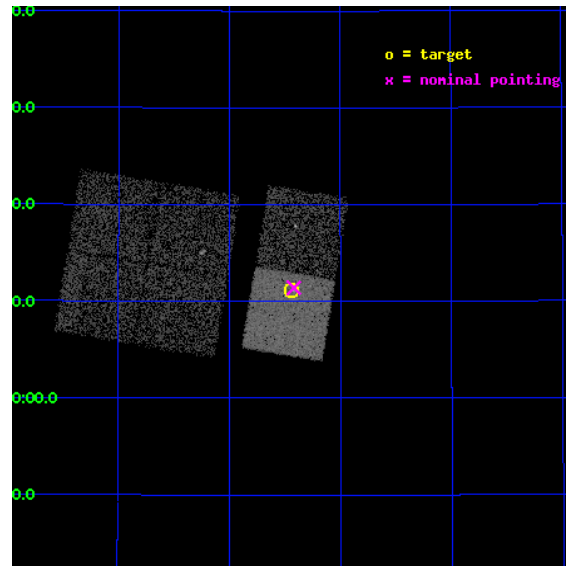
L2 Processing Date : Jul 7 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

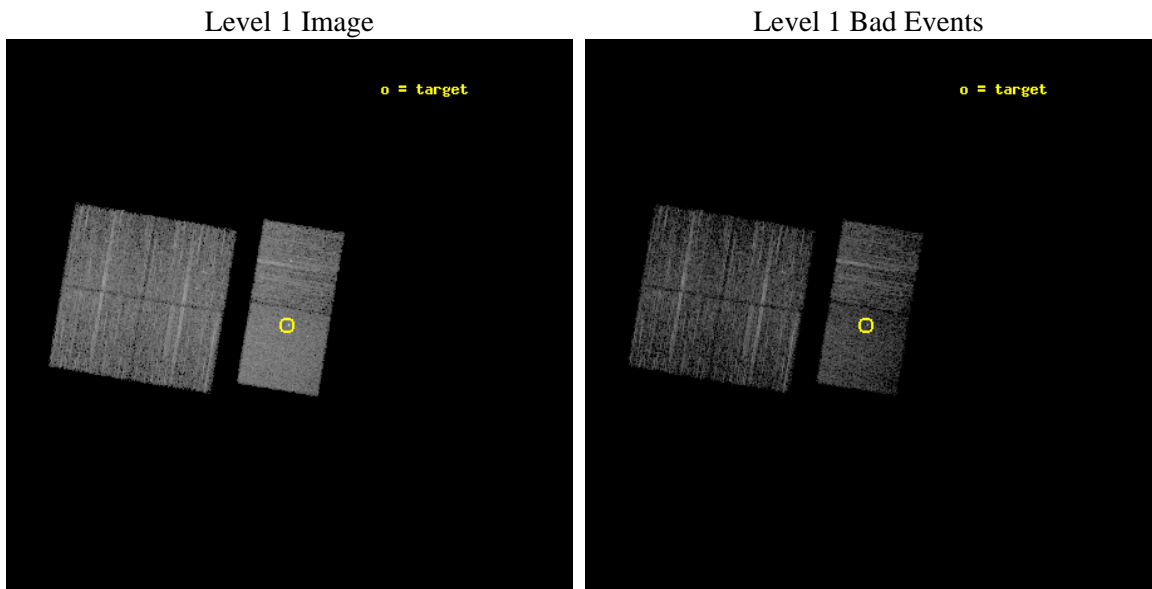
seq_num	600972	Sequence number
obs_id	13008	Observation id
title	The brightest ultraluminous X-ray sources across the sky	Proposal
observer	Dr Jifeng Liu	Principal investigator
object	J075526.1+391111	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	118.85875	Observer's specified target RA [deg]
dec_targ	39.186389	Observer's specified target Dec [deg]
ra_nom	118.85451823678	Nominal RA [deg]
dec_nom	39.190030890474	Nominal Dec [deg]
roll_nom	99.448090562776	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4958.8744364381	Sum of GTIs [s]
livetime	4896.0821824482	Livetime [s]
ontime0	4958.9154764414	Sum of GTIs [s]
ontime1	4958.7102764249	Sum of GTIs [s]
ontime2	4955.5102761388	Sum of GTIs [s]
ontime3	4958.7923564315	Sum of GTIs [s]
ontime6	4958.8333964348	Sum of GTIs [s]
ontime7	4958.8744364381	Sum of GTIs [s]
l2events	37609	Number of level 2 events



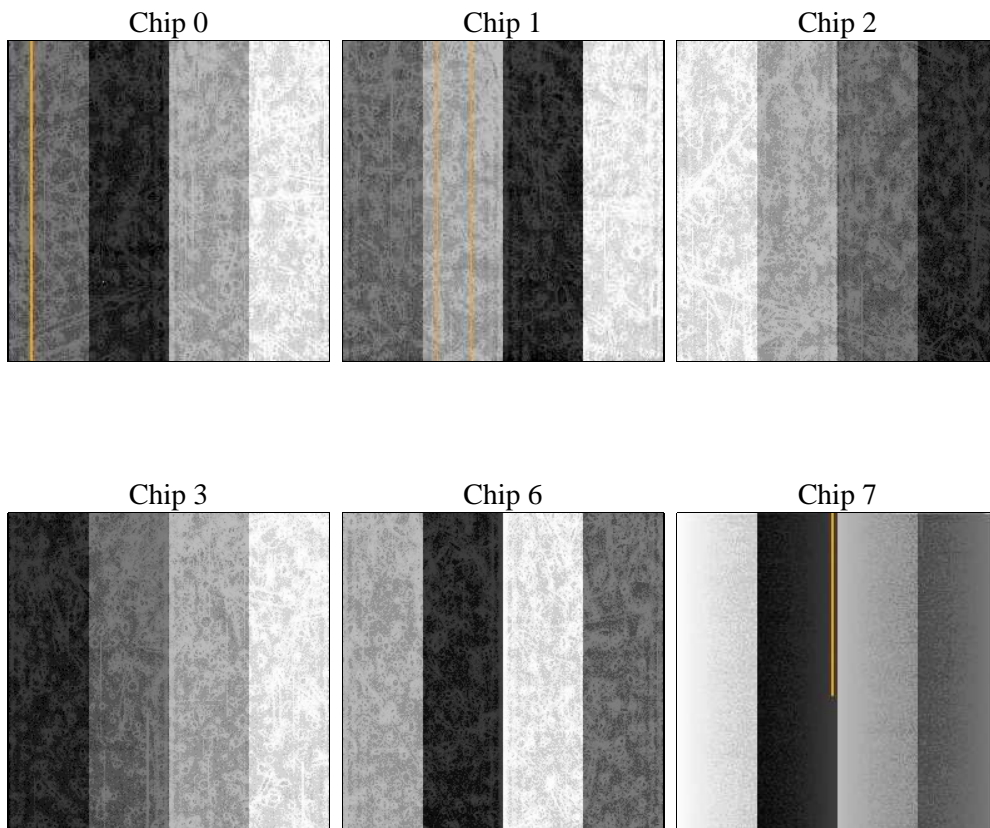
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.281000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4958.8744364381	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	4958.9154764414	Sum of GTIs [s]
date	2012-07-07T18:04:32	Date and time of file creation	ontime1	4958.7102764249	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4955.5102761388	Sum of GTIs [s]
			ontime3	4958.7923564315	Sum of GTIs [s]
			ontime6	4958.8333964348	Sum of GTIs [s]
			ontime7	4958.8744364381	Sum of GTIs [s]
			l1events	219726	Number of level 1 events

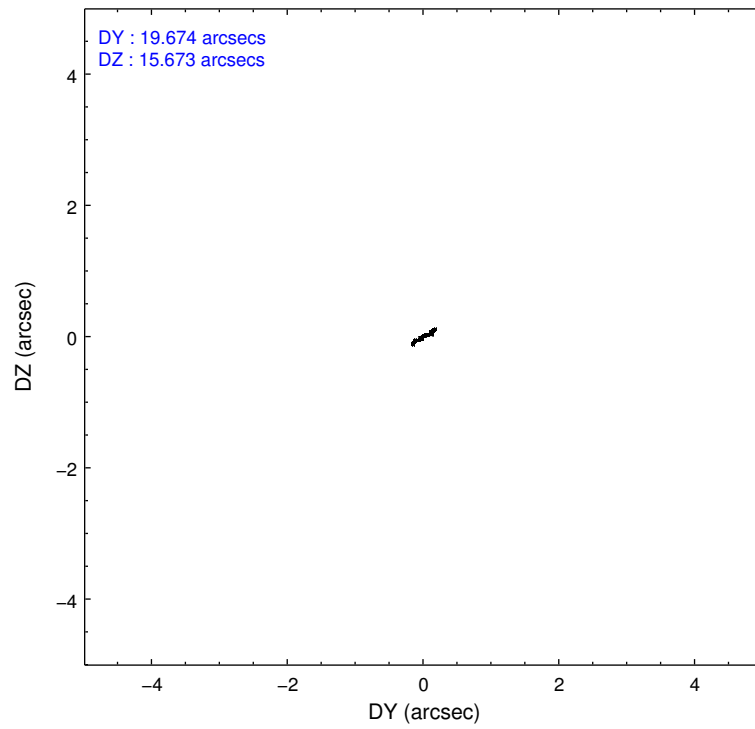
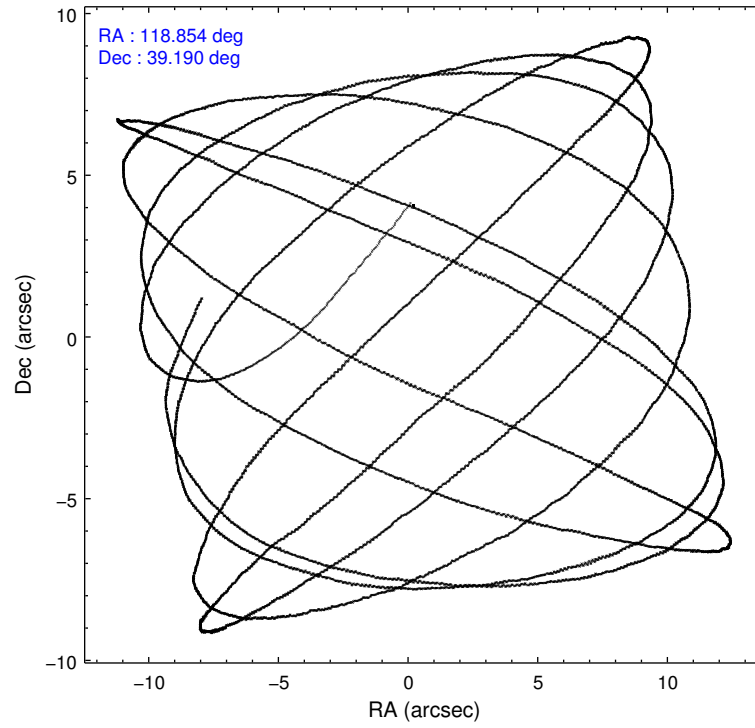
2.1.4 Events

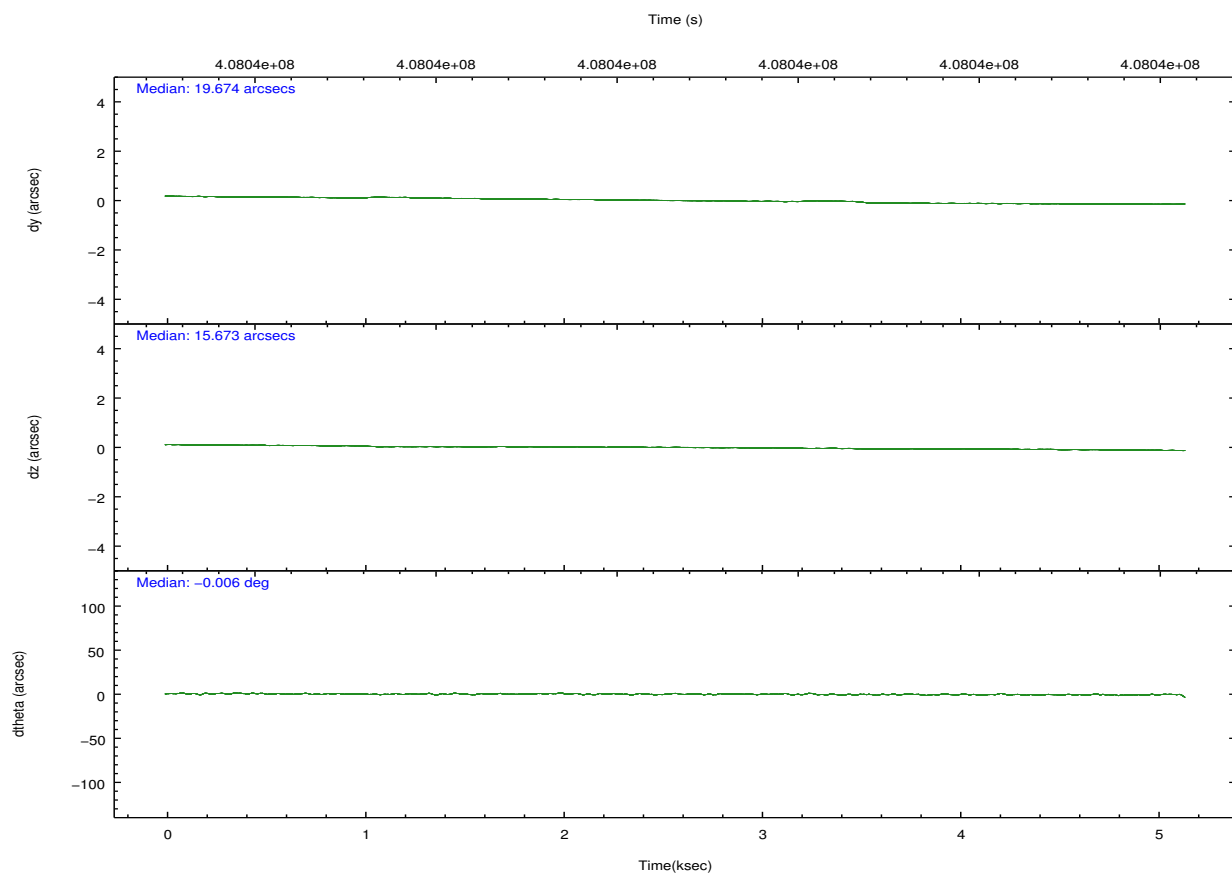
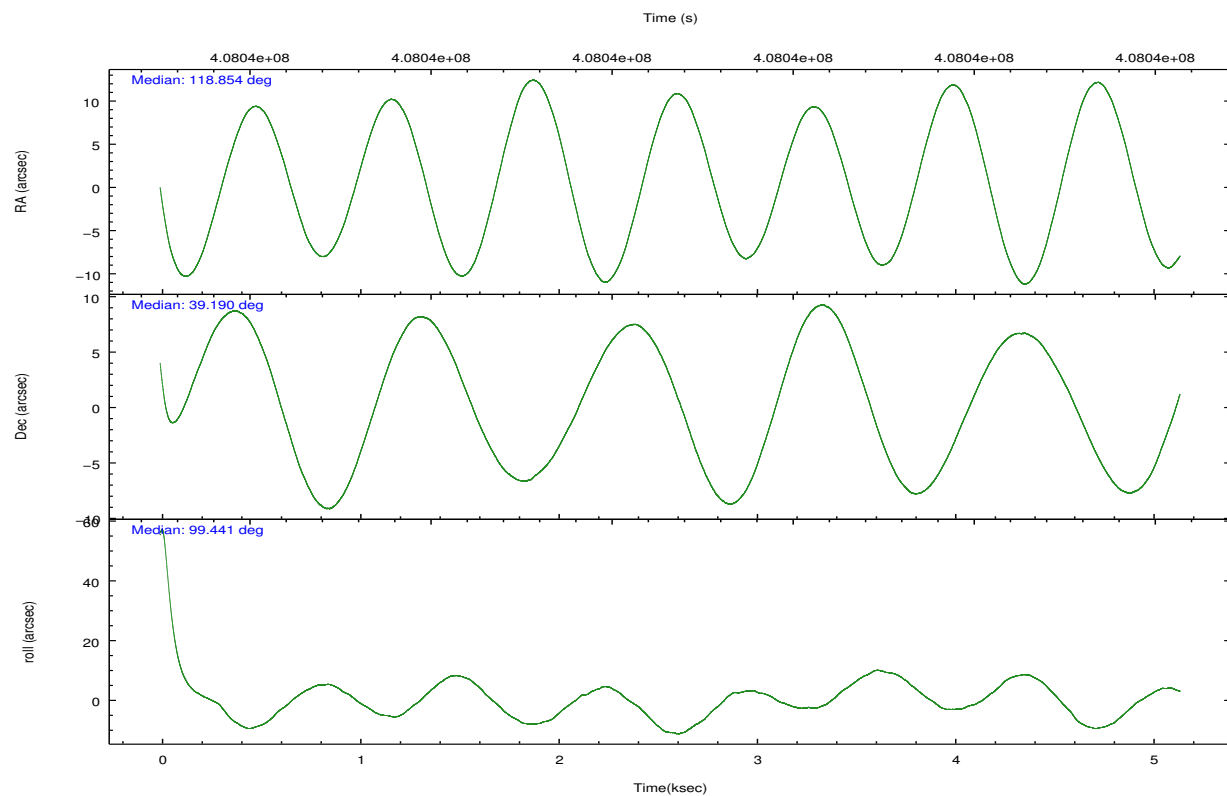
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33747	33553	35461	34608	36362	45995	grade 0 events	1446	1438	1414	1238	1622	2143
rejected events	29670	29306	31613	31091	31971	24774		4%	4%	3%	3%	4%	4%
rejected %	87%	87%	89%	89%	87%	53%	grade 1 events	19	13	25	21	28	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	1025	1024	916	798	983	4375
								3%	3%	2%	2%	2%	9%
							grade 3 events	407	502	345	387	427	1941
								1%	1%	0%	1%	1%	4%
							grade 4 events	391	454	397	364	422	1908
								1%	1%	1%	1%	1%	4%
							grade 5 events	1545	1468	1381	1608	1618	4822
								4%	4%	3%	4%	4%	10%
							grade 6 events	814	838	781	735	941	10885
								2%	2%	2%	2%	2%	23%
							grade 7 events	28100	27816	30202	29457	30321	19846
								83%	82%	85%	85%	83%	43%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	118.877412	118.8545182367811	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.169160	39.19003089047373	Alternating exposures requested	N	N
[deg] Pointing Roll	99.276834	99.44809056277587	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	408037890.184000	408036624.74703			
Observation start date	2010-12-06T15:50:24	2010-12-06T15:30:24			
[s] Observation end time (MET)	408042891.184000	408043116.07237			
Observation end date	2010-12-06T17:13:45	2010-12-06T17:18:36			
Read mode	TIMED	TIMED			

2.3 Aspect



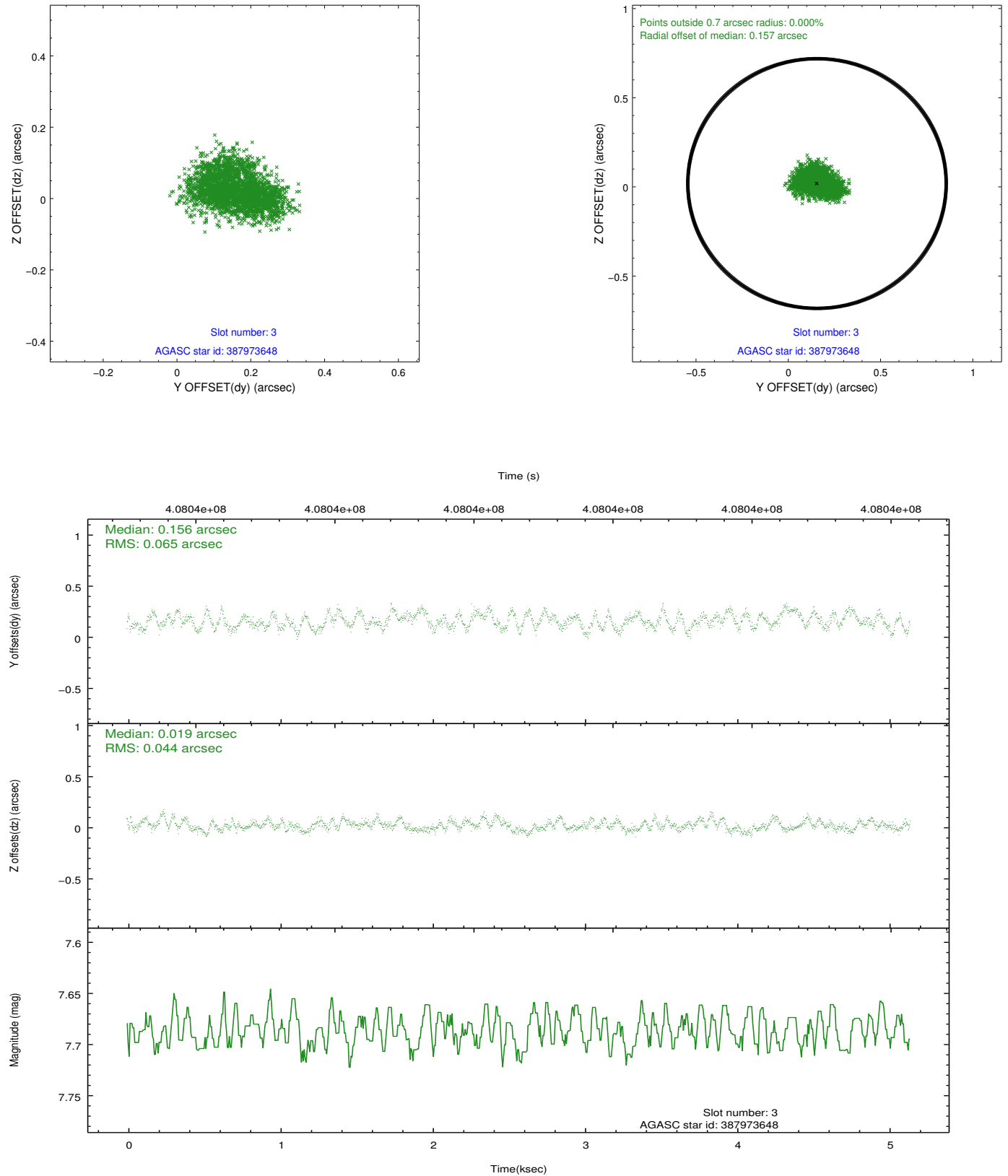


Slot Statistics

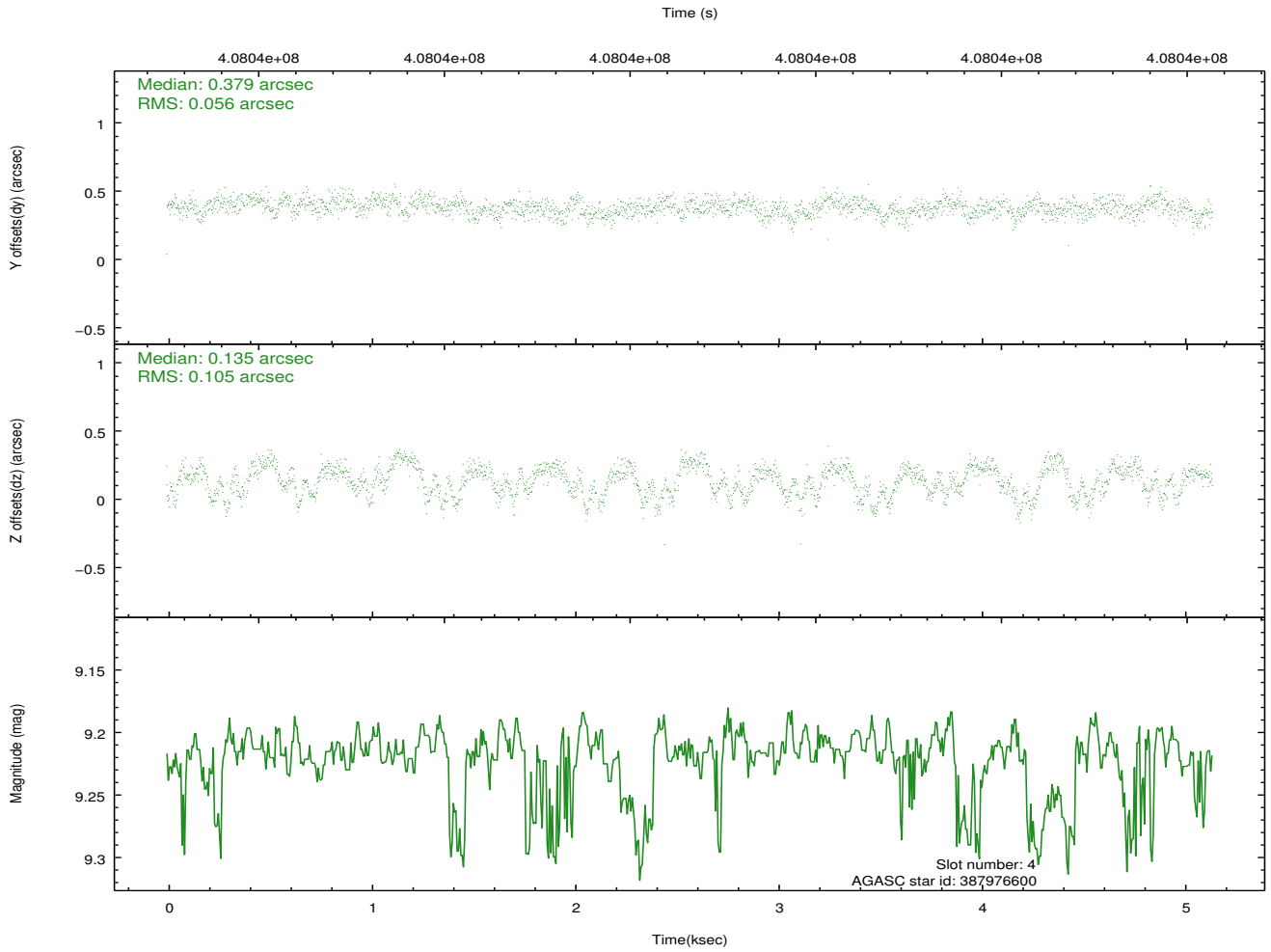
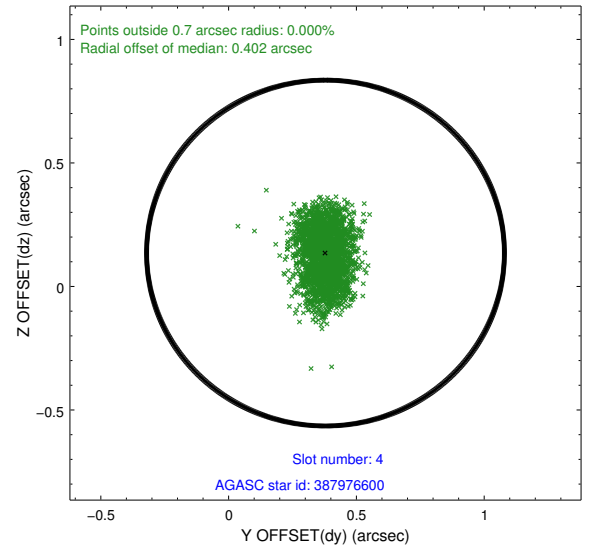
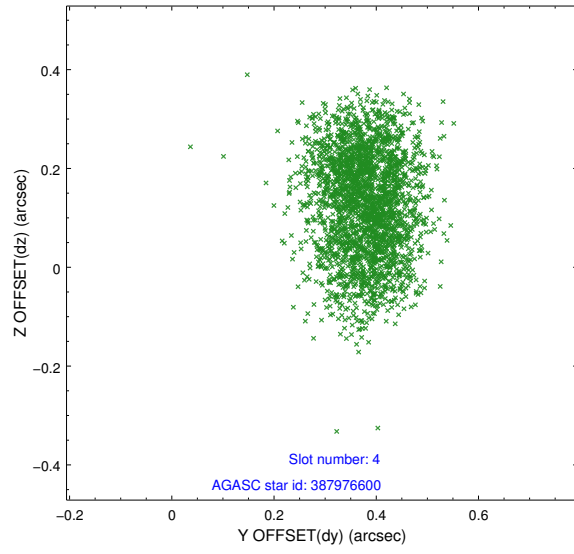
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.05	1255	0.172	-0.067	0.010	0.019	0.000000	0.000000	923.45	-1732.75
1	FID	ACIS-S-2	6.99	1255	-0.097	0.023	0.008	0.012	0.000000	0.000000	-772.07	-1738.45
2	FID	ACIS-S-5	7.10	1255	-0.099	0.052	0.011	0.022	0.000000	0.000000	-1826.53	163.67
3	GUIDE	387973648	7.69	2510	0.156	0.019	0.086	0.131	118.977979	39.286771	373.25	-345.06
4	GUIDE	387976600	9.22	2487	0.379	0.135	0.128	0.202	119.530874	38.839582	-1460.08	-1618.19
5	GUIDE	388501824	7.32	2510	-0.184	-0.238	0.068	0.105	118.351034	39.481868	1349.93	1260.54
6	GUIDE	388503496	7.69	2509	-0.170	-0.290	0.081	0.131	118.166841	39.538284	1637.36	1731.92
7	GUIDE	388506232	9.26	2503	-0.184	0.368	0.111	0.188	119.713263	39.447115	624.56	-2455.42

2.4 Star Slots

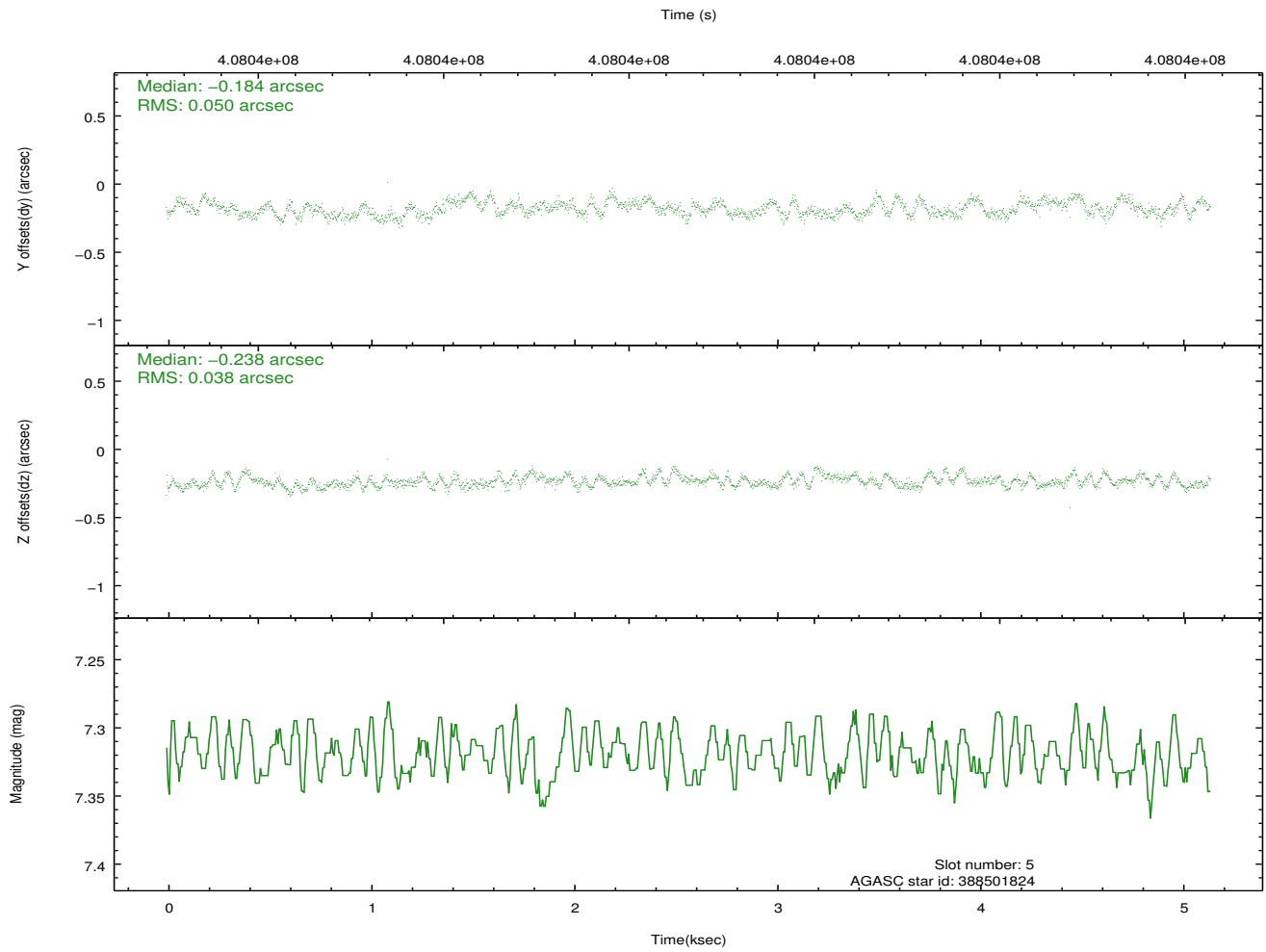
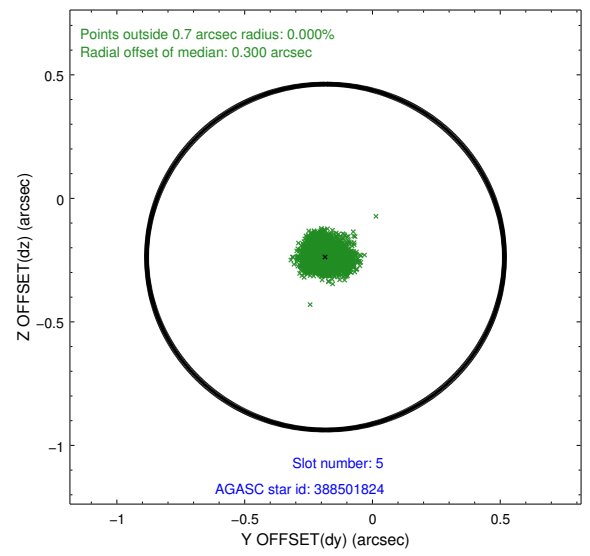
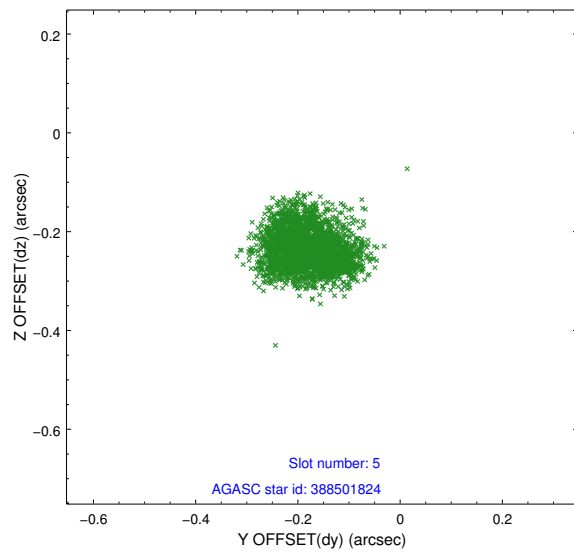
2.4.1 Slot 3



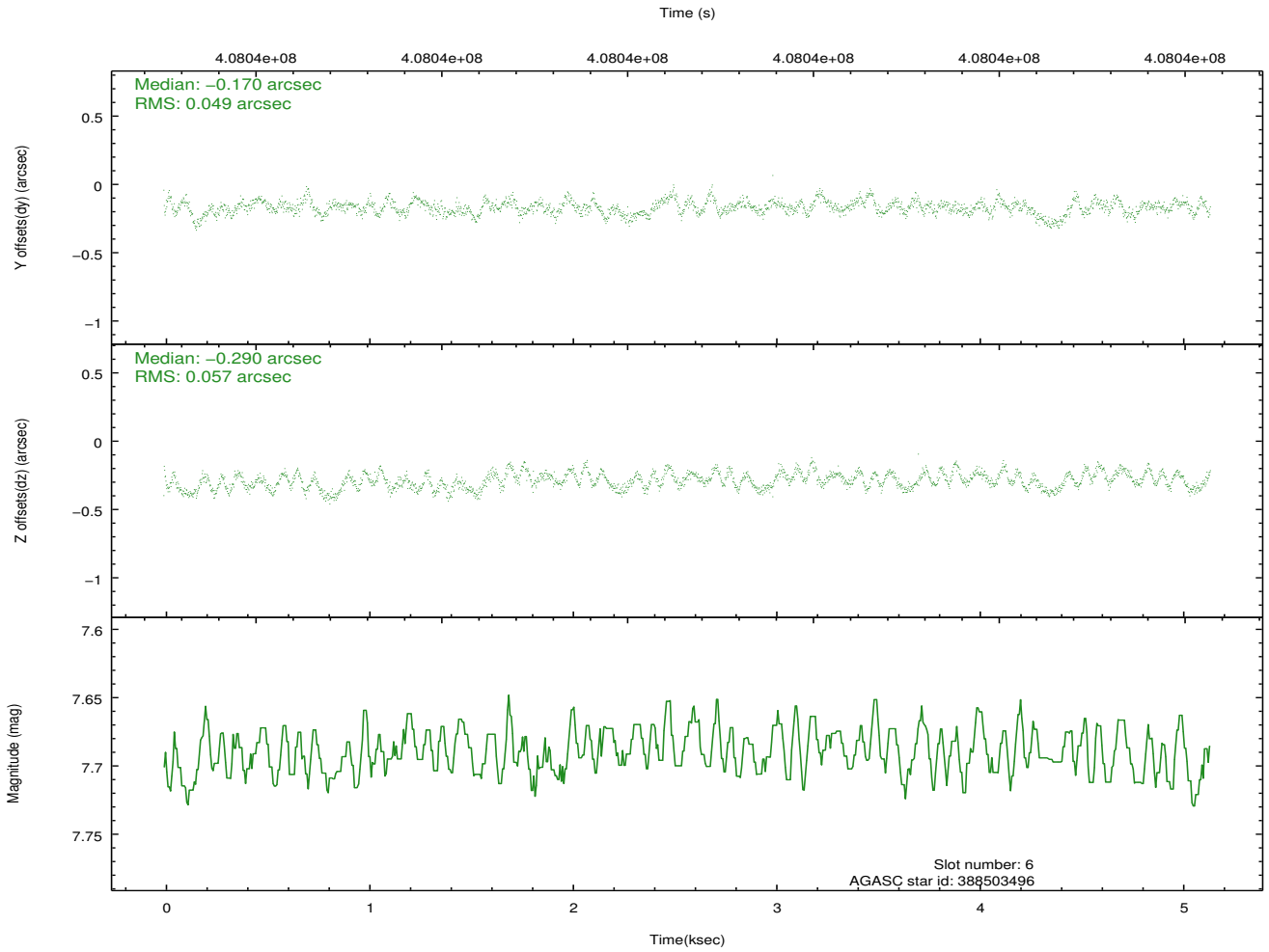
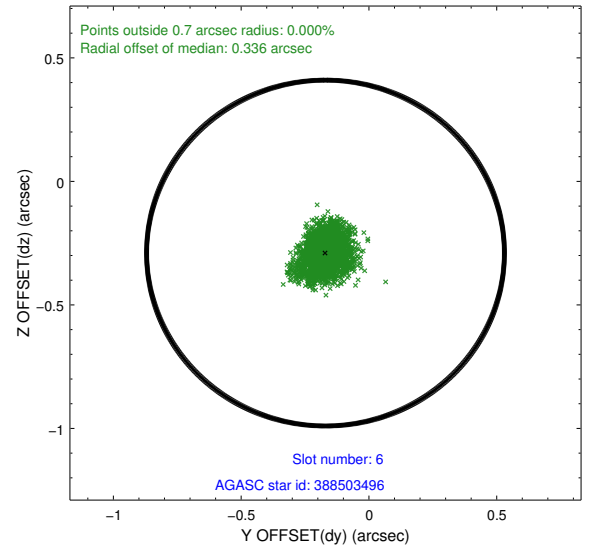
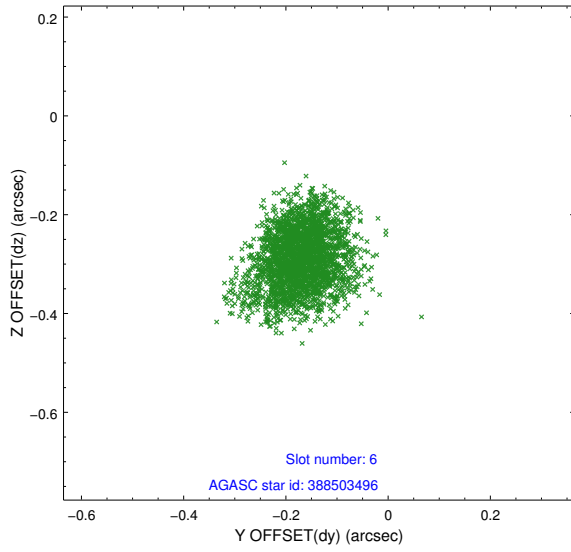
2.4.2 Slot 4



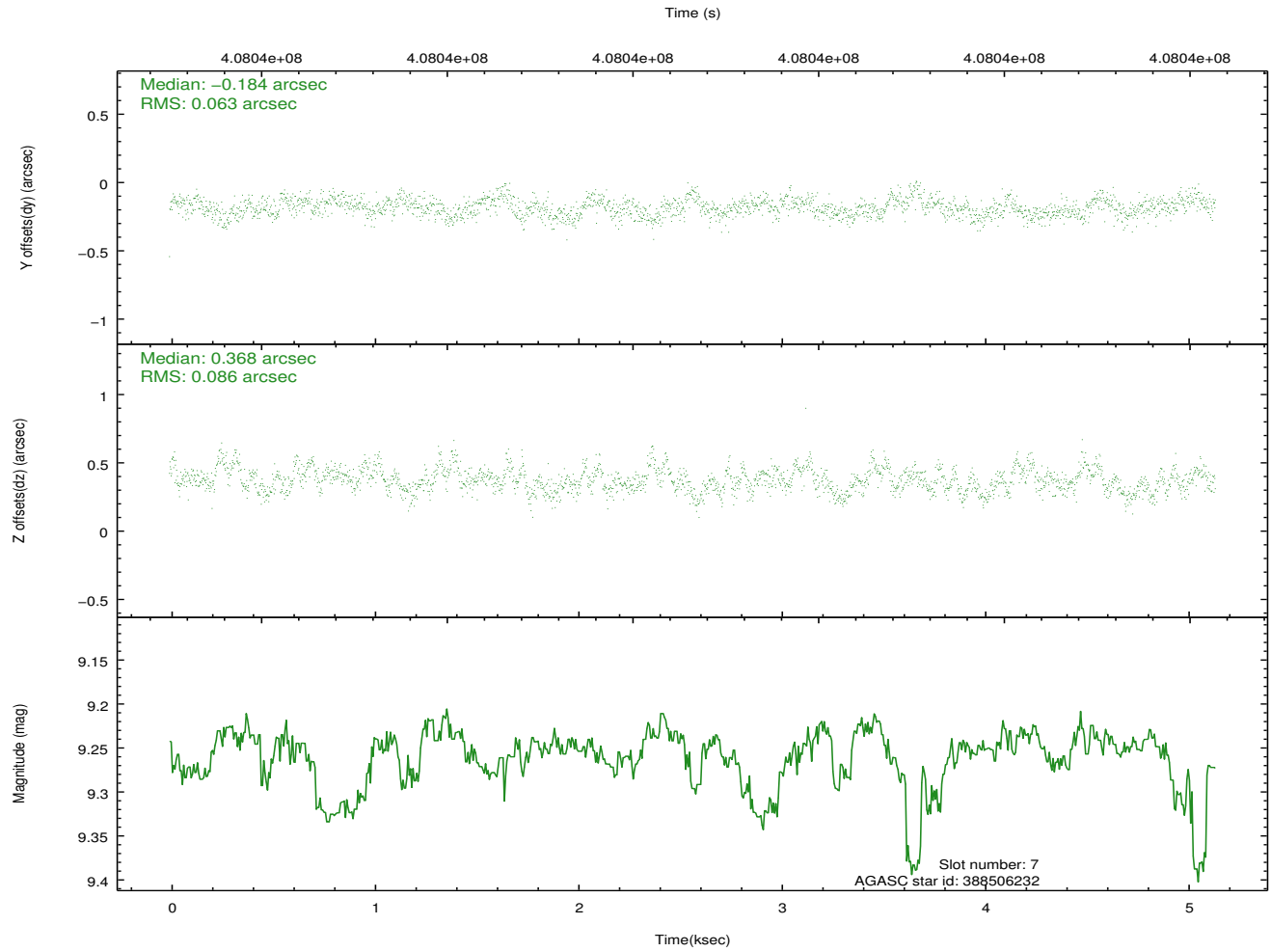
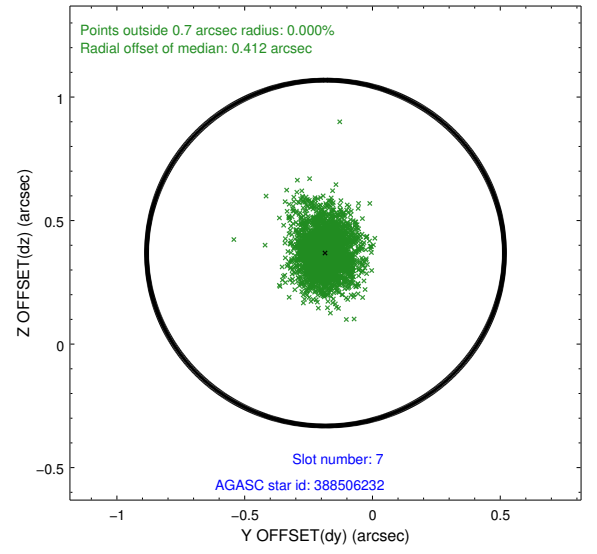
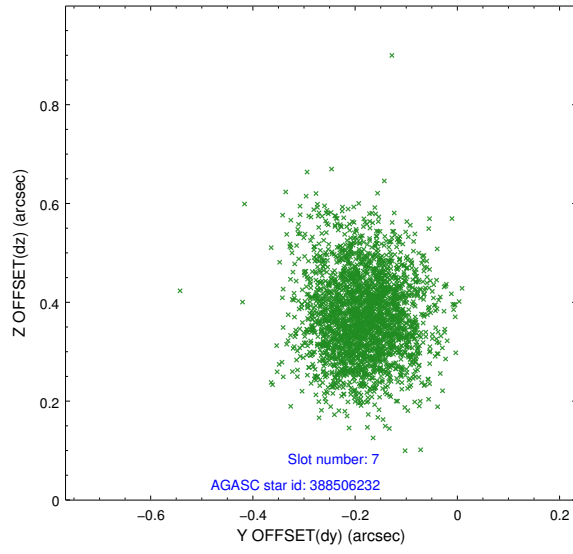
2.4.3 Slot 5



2.4.4 Slot 6

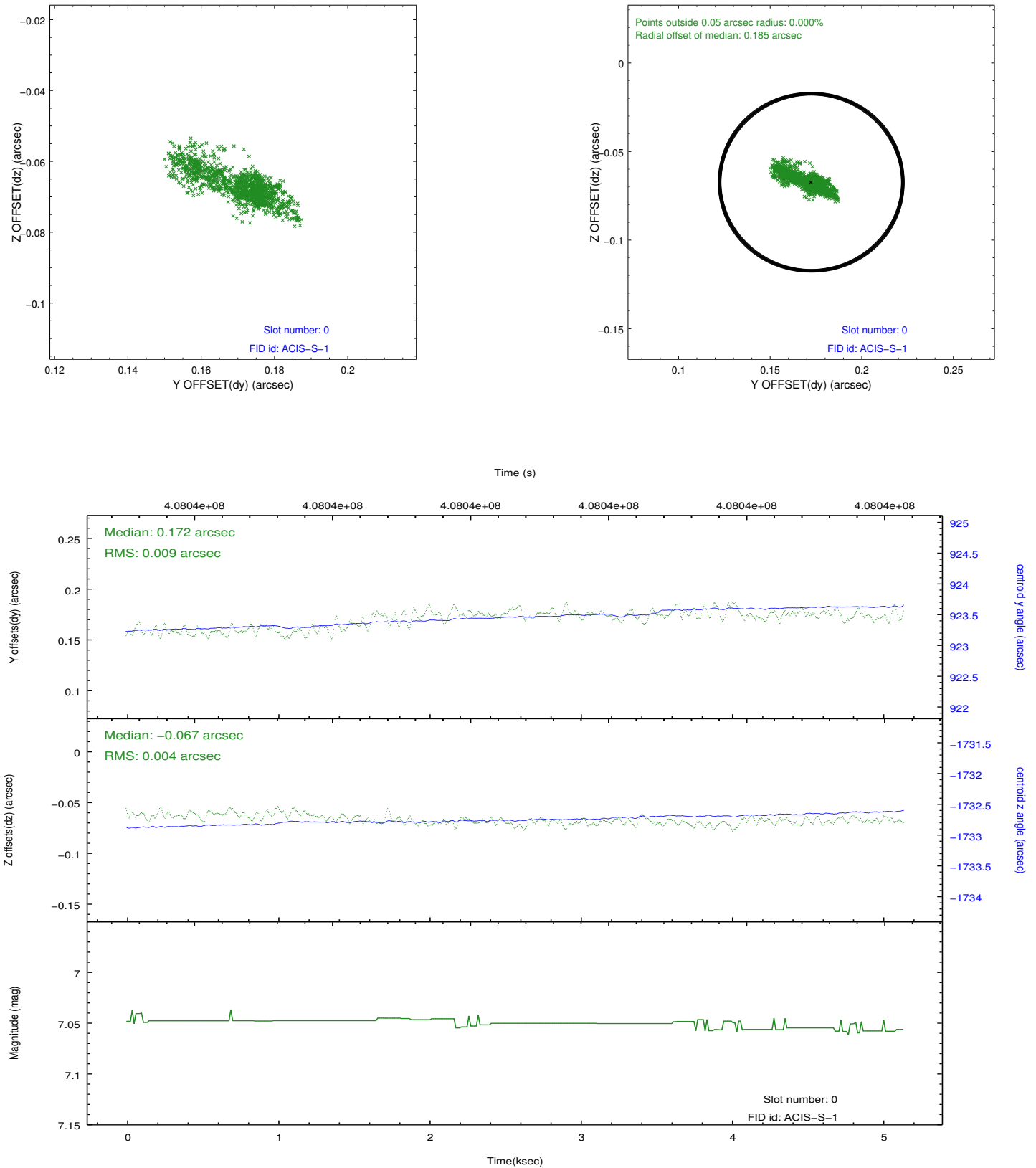


2.4.5 Slot 7

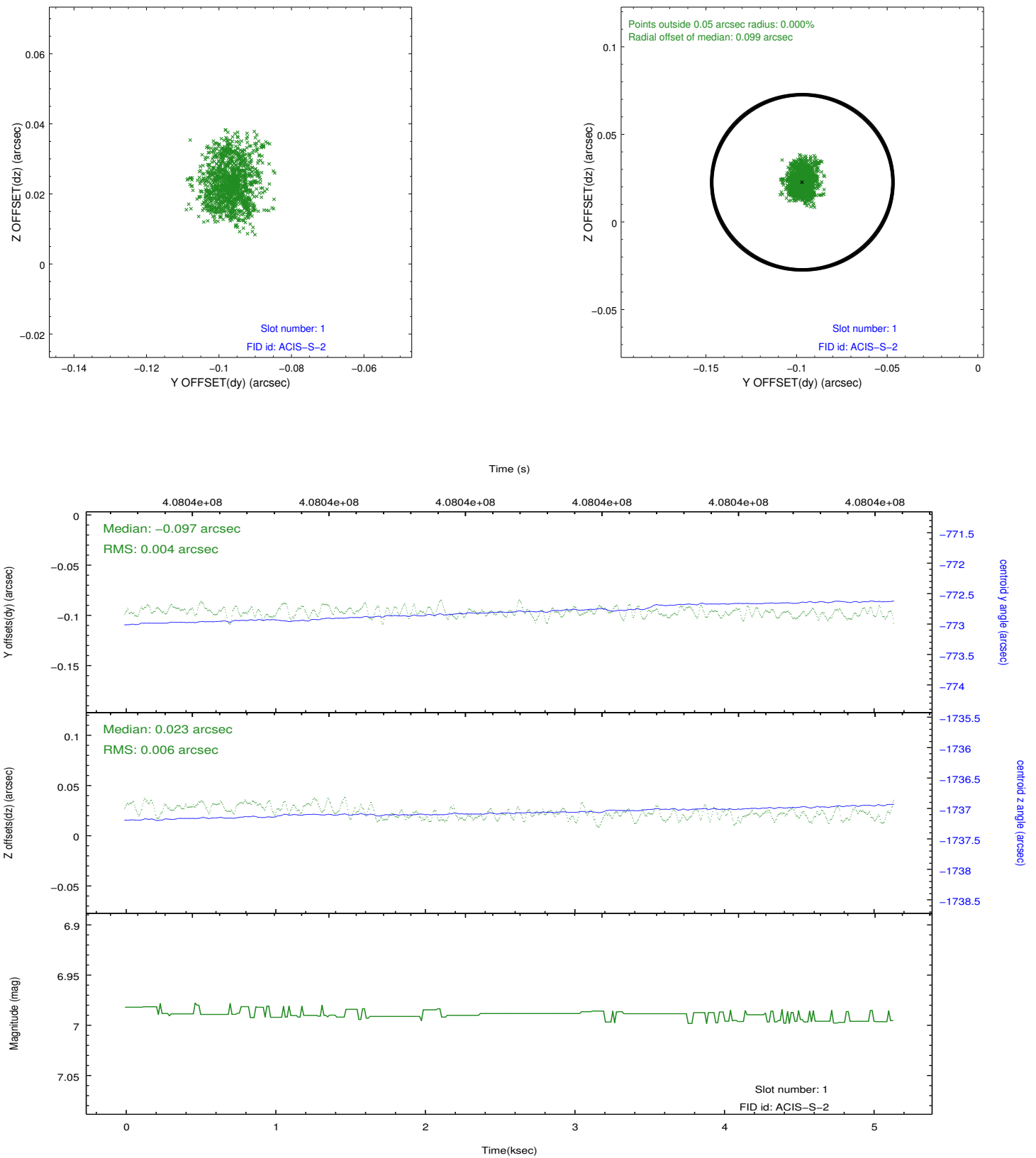


2.5 FID Slots

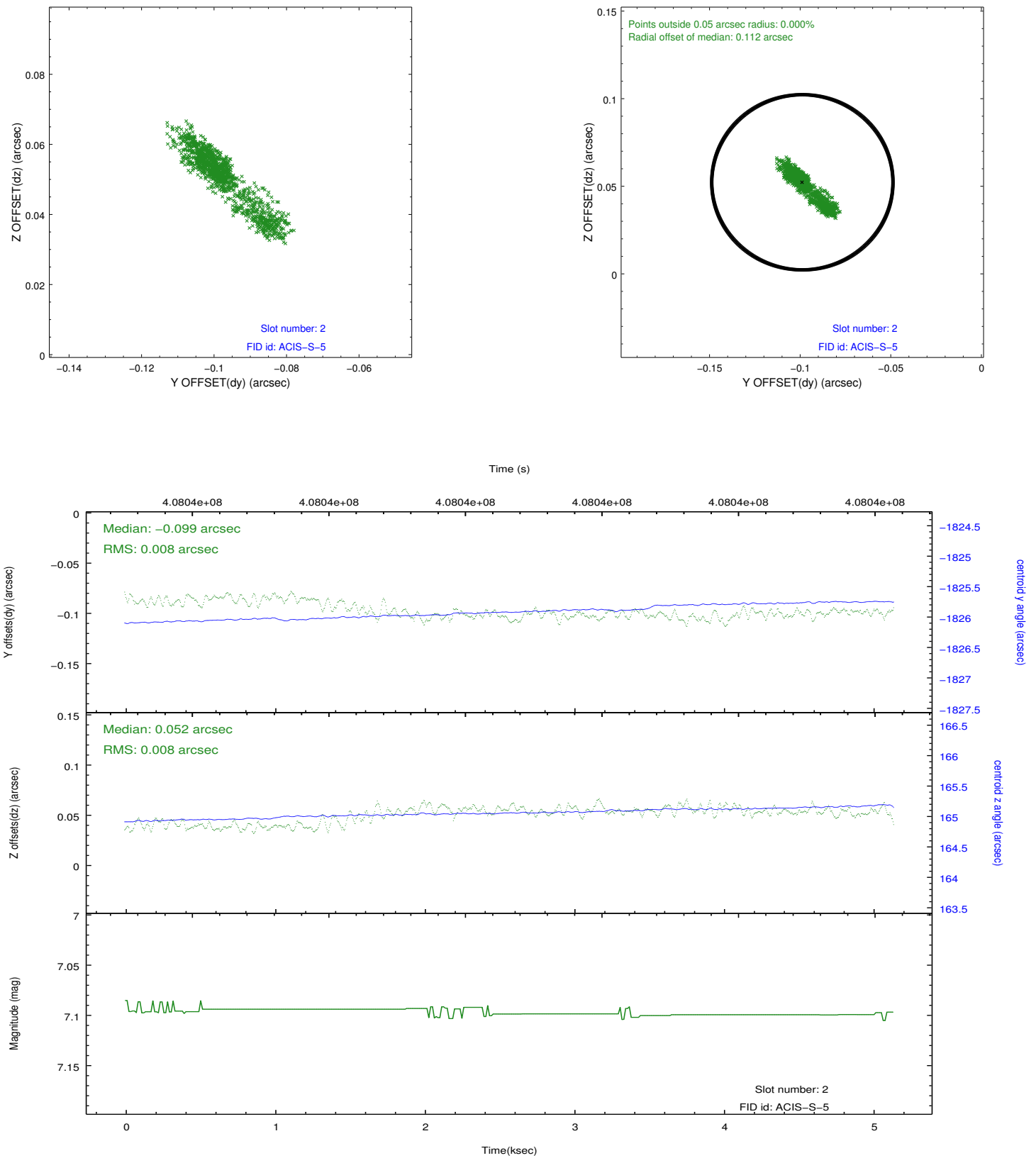
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9588744430542

A.2 Comments