

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13166 - L2 Version 2
Chandra X-Ray Center

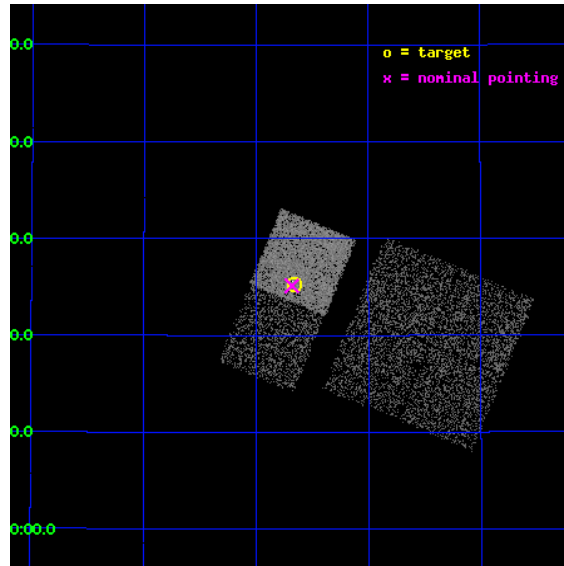
L2 Processing Date : Jul 6 2012

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

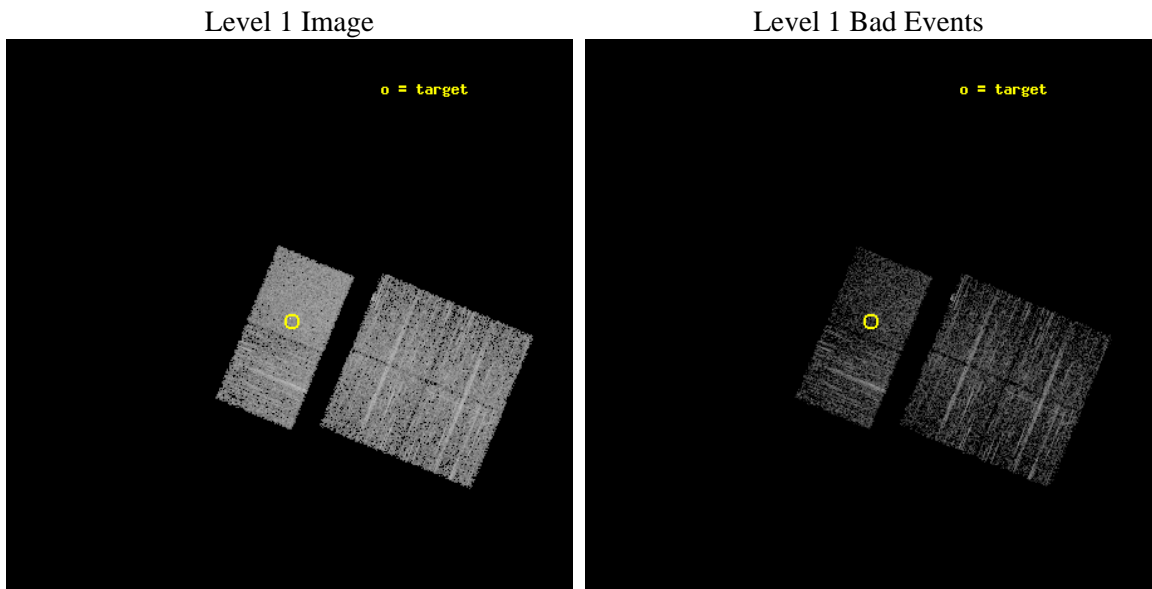
seq_num	401286	Sequence number
obs_id	13166	Observation id
title	Confirming the low-mass X-ray binaries in the Kepler field	Proposa
observer	Dr Jifeng Liu	Principal investigator
object	J193239.6+382518	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	293.165	Observer's specified target RA [deg]
dec_targ	38.421667	Observer's specified target Dec [deg]
ra_nom	293.17020086361	Nominal RA [deg]
dec_nom	38.418788237933	Nominal Dec [deg]
roll_nom	292.55993998885	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2751.9999898076	Sum of GTIs [s]
livetime	2717.1525088812	Livetime [s]
ontime0	2751.9999898076	Sum of GTIs [s]
ontime1	2751.8560858369	Sum of GTIs [s]
ontime2	2751.8971456885	Sum of GTIs [s]
ontime3	2748.6972849369	Sum of GTIs [s]
ontime6	2751.9792256951	Sum of GTIs [s]
ontime7	2751.9999898076	Sum of GTIs [s]
l2events	20252	Number of level 2 events



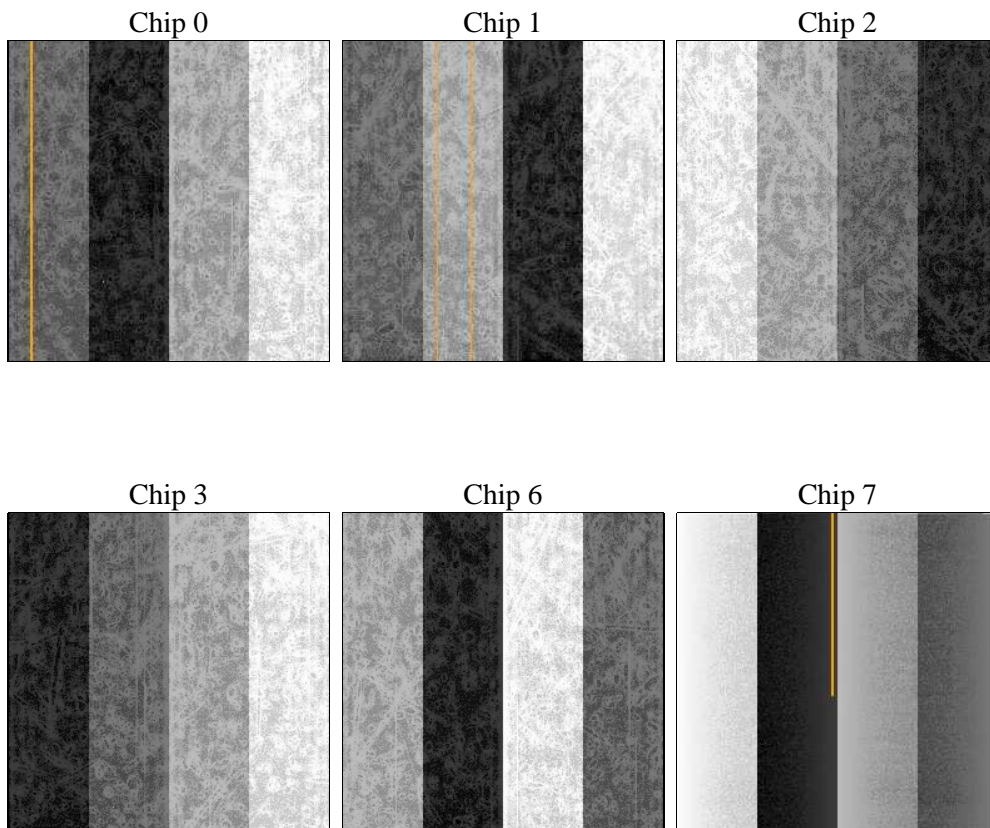
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2751.9999898076	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	2751.9999898076	Sum of GTIs [s]
date	2012-07-06T12:18:16	Date and time of file creation	ontime1	2751.8560858369	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2751.8971456885	Sum of GTIs [s]
			ontime3	2748.6972849369	Sum of GTIs [s]
			ontime6	2751.9792256951	Sum of GTIs [s]
			ontime7	2751.9999898076	Sum of GTIs [s]
			l1events	119621	Number of level 1 events

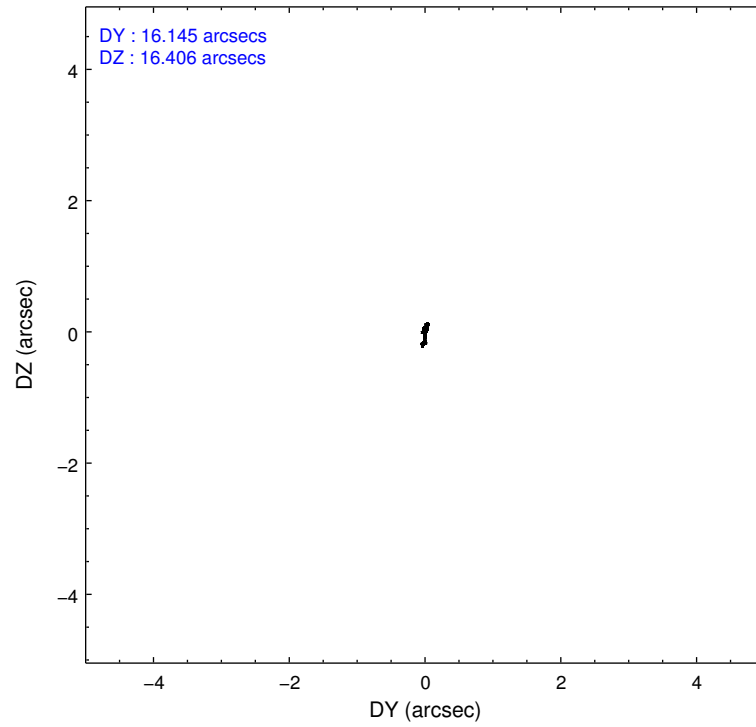
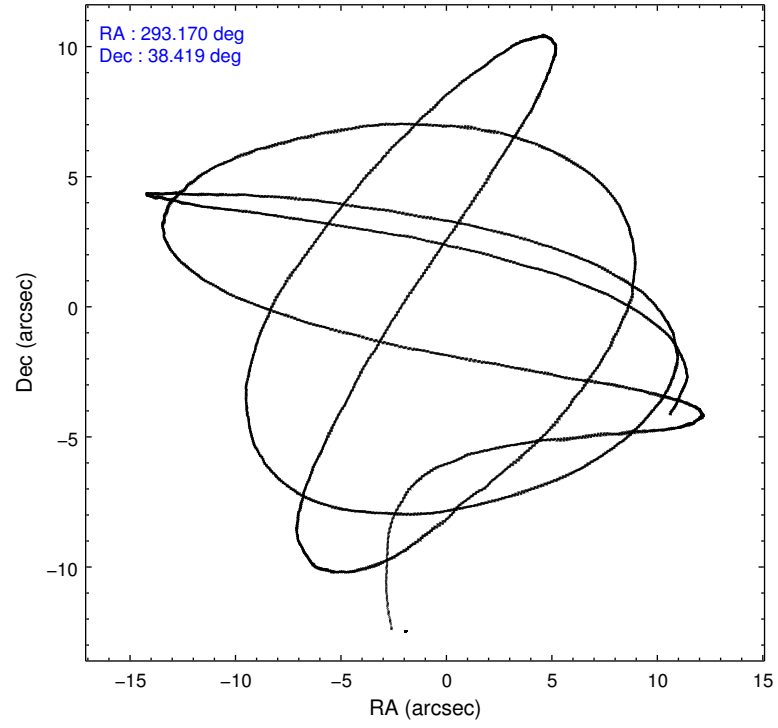
2.1.4 Events

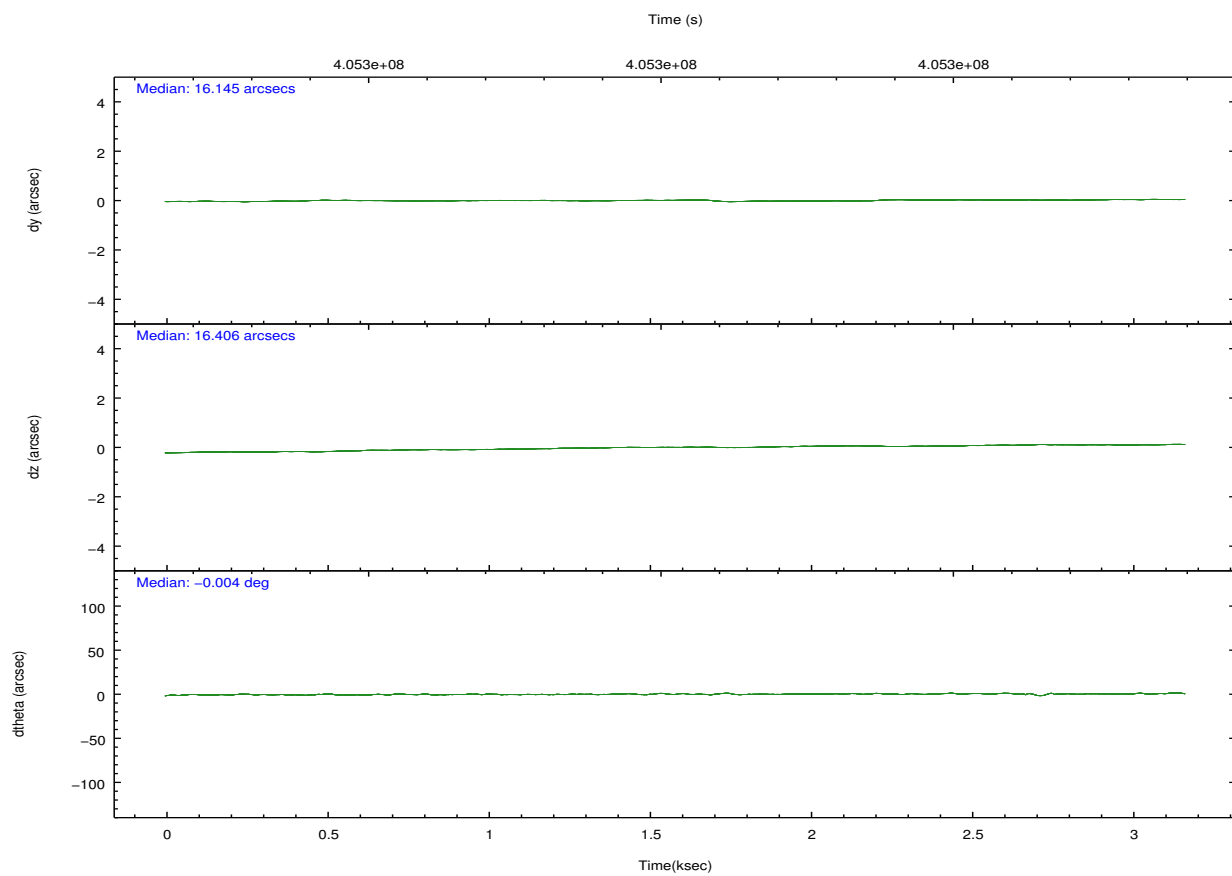
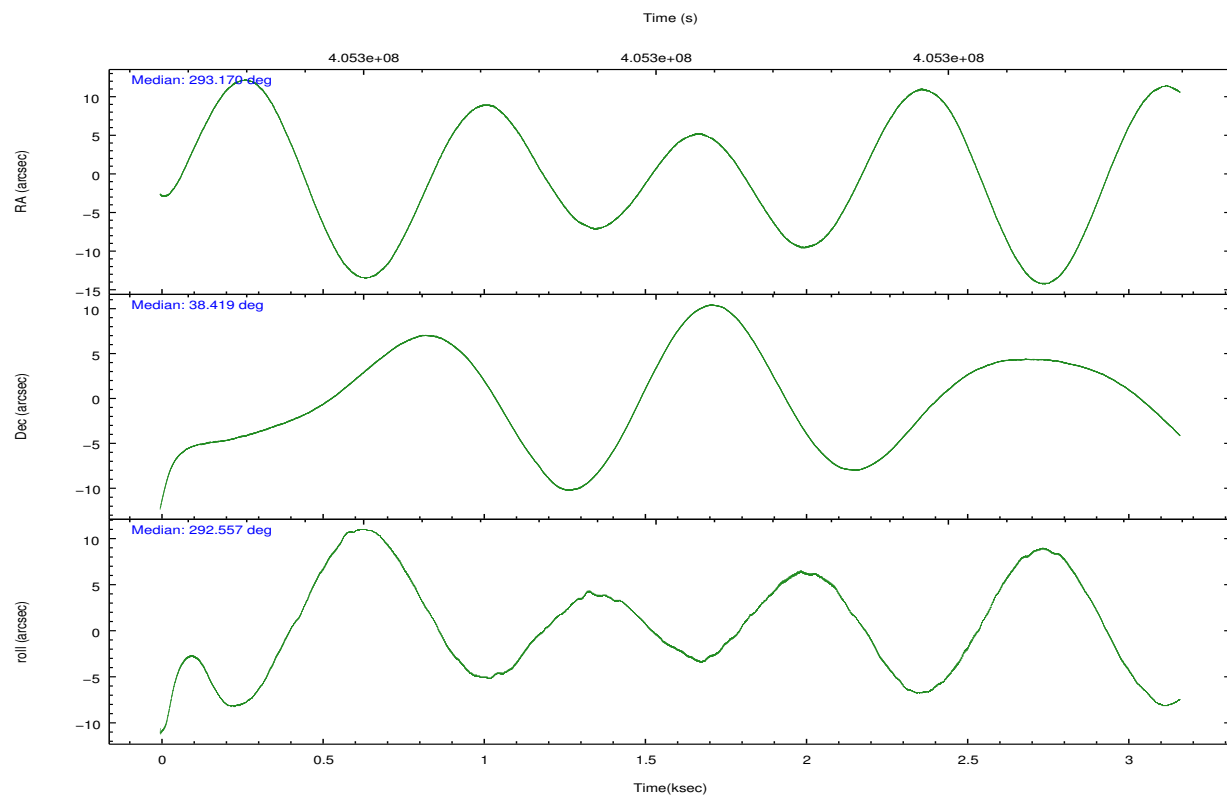
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	18891	17646	19028	18994	20084	24978	grade 0 events	769	836	749	723	779	1111
rejected events	16714	15268	16947	16886	17871	13577		4%	4%	3%	3%	3%	4%
rejected %	88%	86%	89%	88%	88%	54%	grade 1 events	14	5	10	14	4	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	538	541	498	484	517	2342
								2%	3%	2%	2%	2%	9%
							grade 3 events	215	236	226	255	226	1036
								1%	1%	1%	1%	1%	4%
							grade 4 events	213	243	218	224	228	1041
								1%	1%	1%	1%	1%	4%
							grade 5 events	859	855	750	890	905	2609
								4%	4%	3%	4%	4%	10%
							grade 6 events	448	534	392	428	469	5900
								2%	3%	2%	2%	2%	23%
							grade 7 events	15835	14396	16185	15976	16956	10901
								83%	81%	85%	84%	84%	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	293.142016	293.1702008636131	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.435157	38.4187882379325	Alternating exposures requested	N	N
[deg] Pointing Roll	292.420876	292.5599399888522	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	405294623.184000	405293347.40568			
Observation start date	2010-11-04T21:49:17	2010-11-04T21:29:07			
[s] Observation end time (MET)	405297623.184000	405297833.31841			
Observation end date	2010-11-04T22:39:17	2010-11-04T22:43:53			
Read mode	TIMED	TIMED			

2.3 Aspect



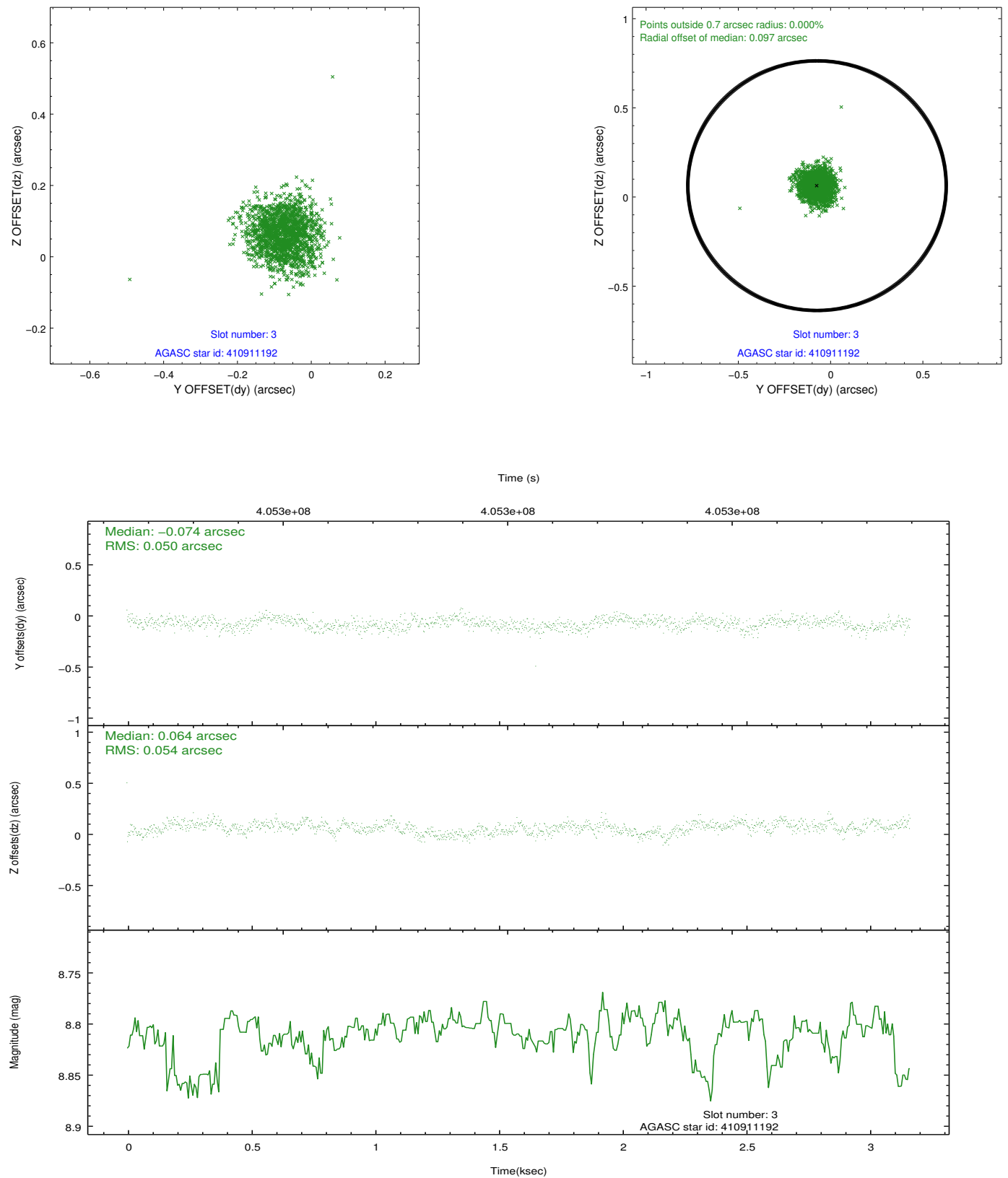


Slot Statistics

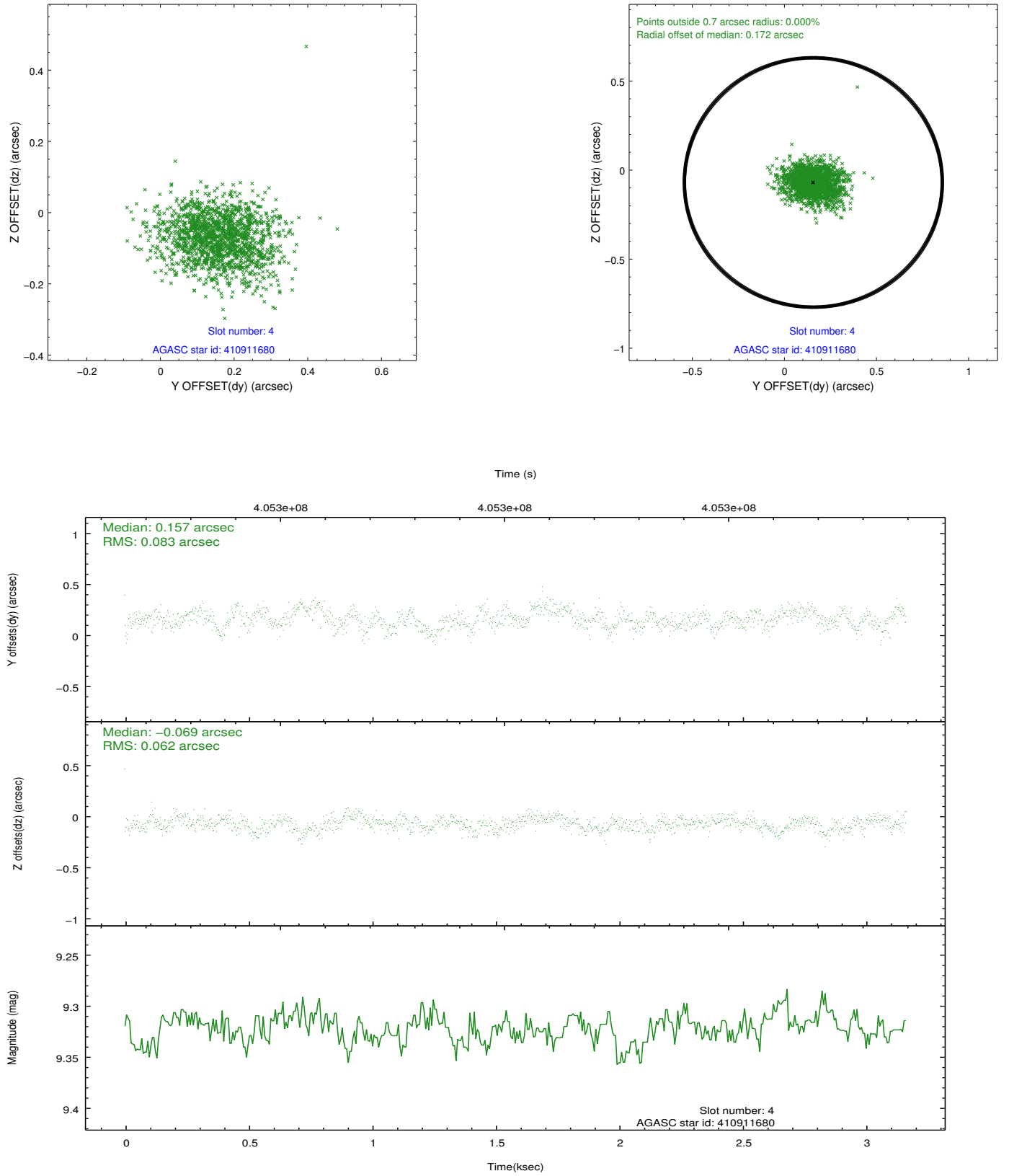
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	772	-0.088	-0.023	0.006	0.011	0.000000	0.000000	-769.24	-1737.77
1	FID	ACIS-S-4	7.04	772	0.176	0.049	0.006	0.011	0.000000	0.000000	2143.38	168.68
2	FID	ACIS-S-5	7.07	772	-0.118	-0.017	0.007	0.012	0.000000	0.000000	-1819.53	164.60
3	GUIDE	410911192	8.81	1534	-0.074	0.064	0.078	0.124	293.240652	38.112836	1179.23	-184.49
4	GUIDE	410911680	9.32	1545	0.157	-0.069	0.108	0.181	292.891099	37.669989	2273.98	-1711.60
5	GUIDE	410912496	8.85	1545	-0.100	0.037	0.073	0.120	292.721508	38.941142	-2133.89	-394.06
6	GUIDE	410914120	8.76	1544	-0.090	0.018	0.069	0.114	292.591743	38.931855	-2246.19	-741.47
7	GUIDE	410916656	8.67	1543	0.104	-0.047	0.079	0.133	292.941016	38.020041	1162.21	-1097.21

2.4 Star Slots

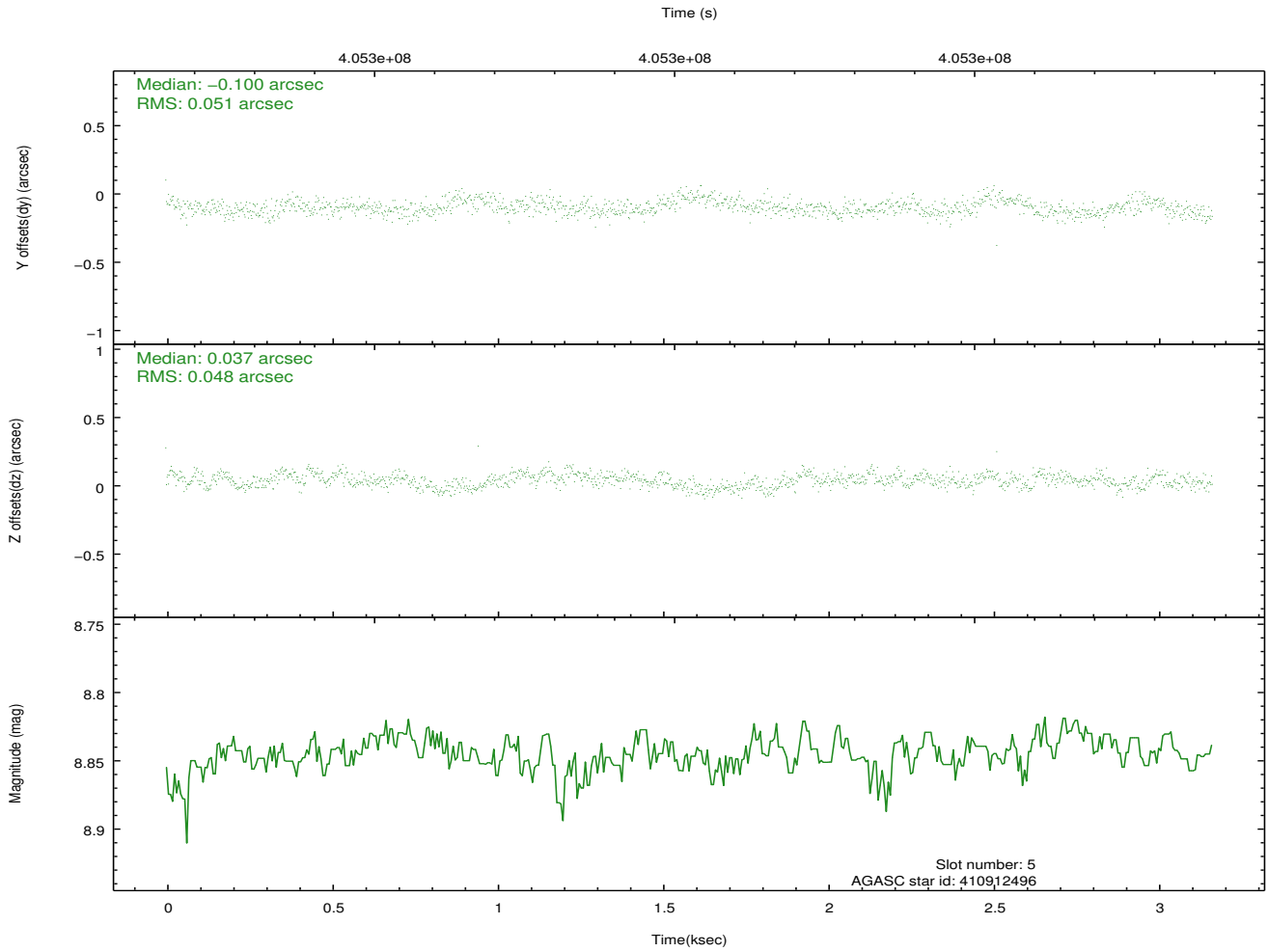
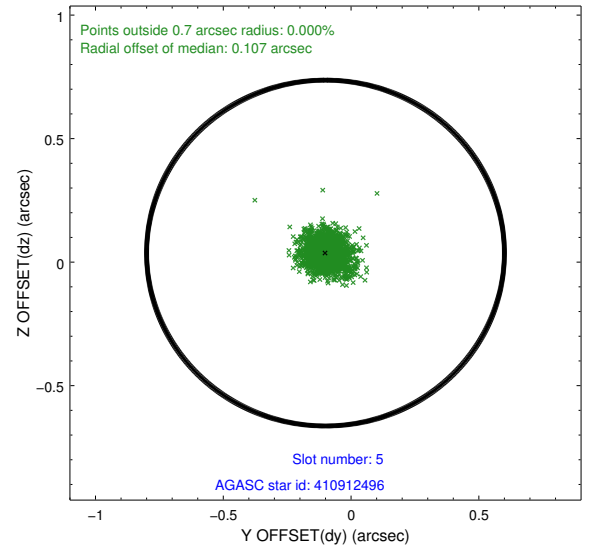
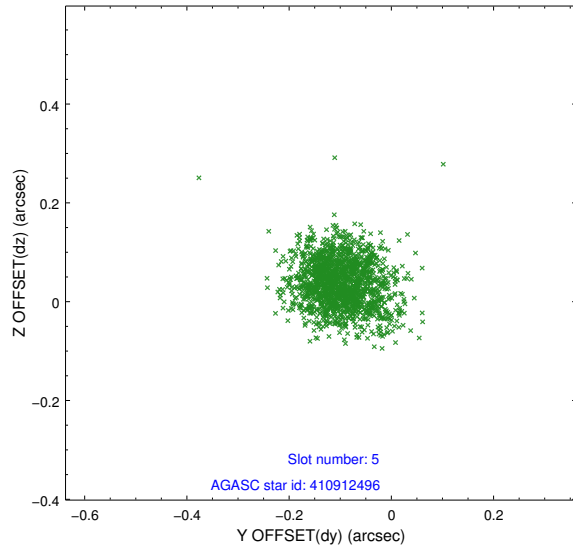
2.4.1 Slot 3



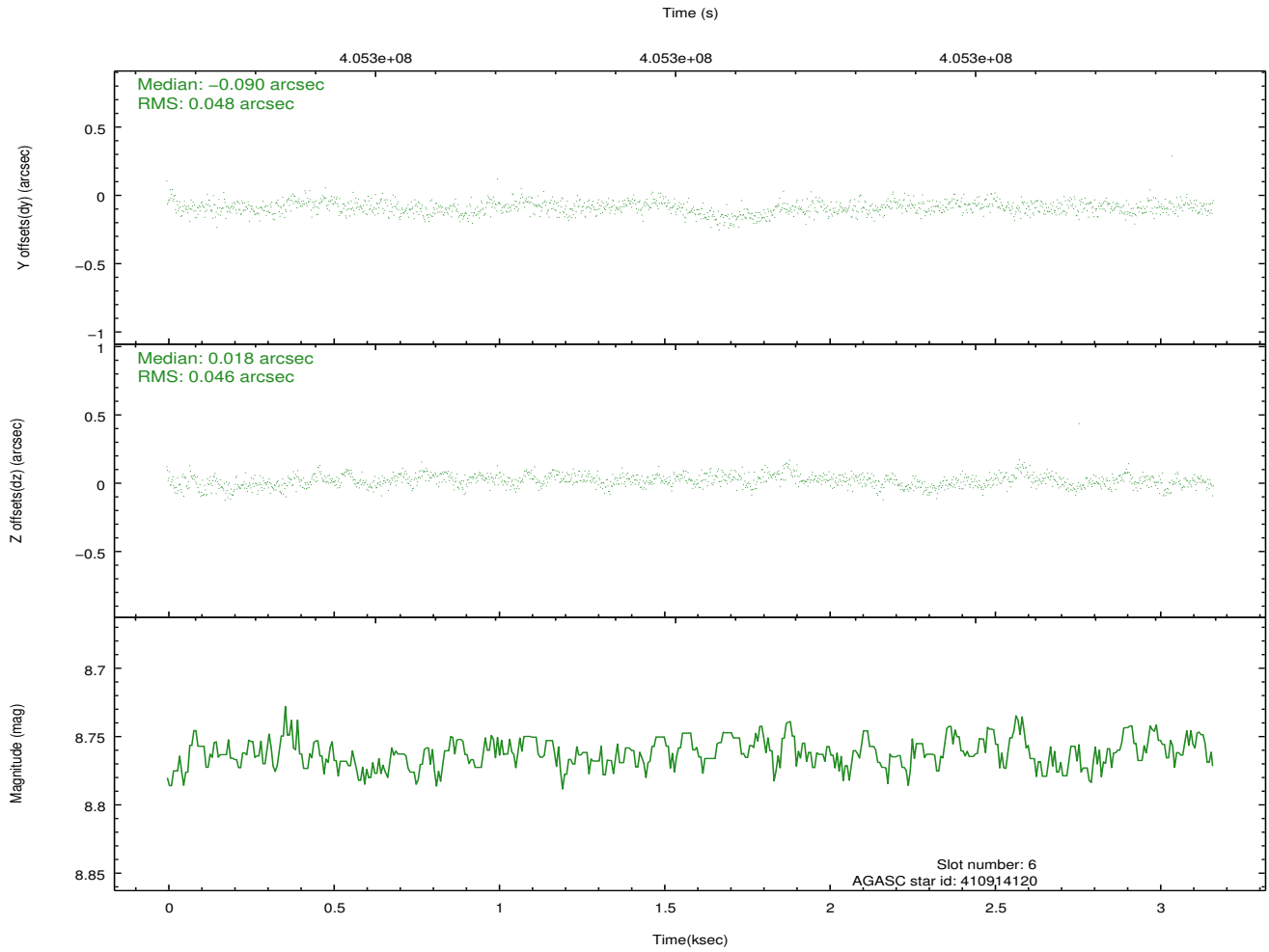
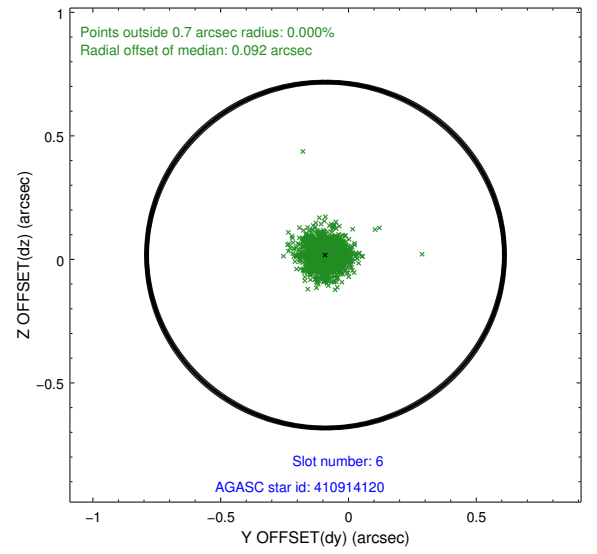
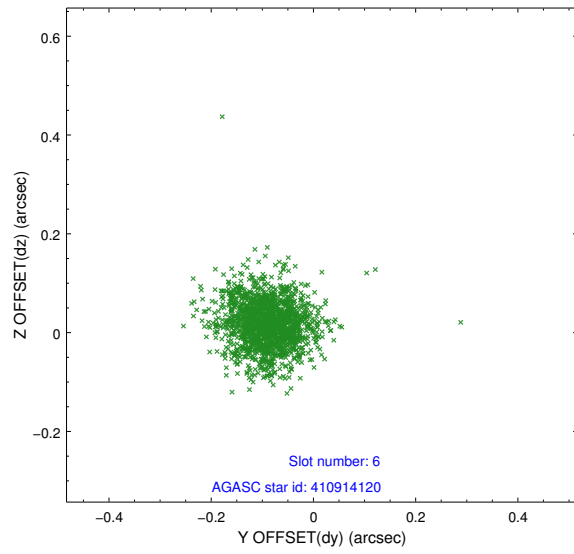
2.4.2 Slot 4



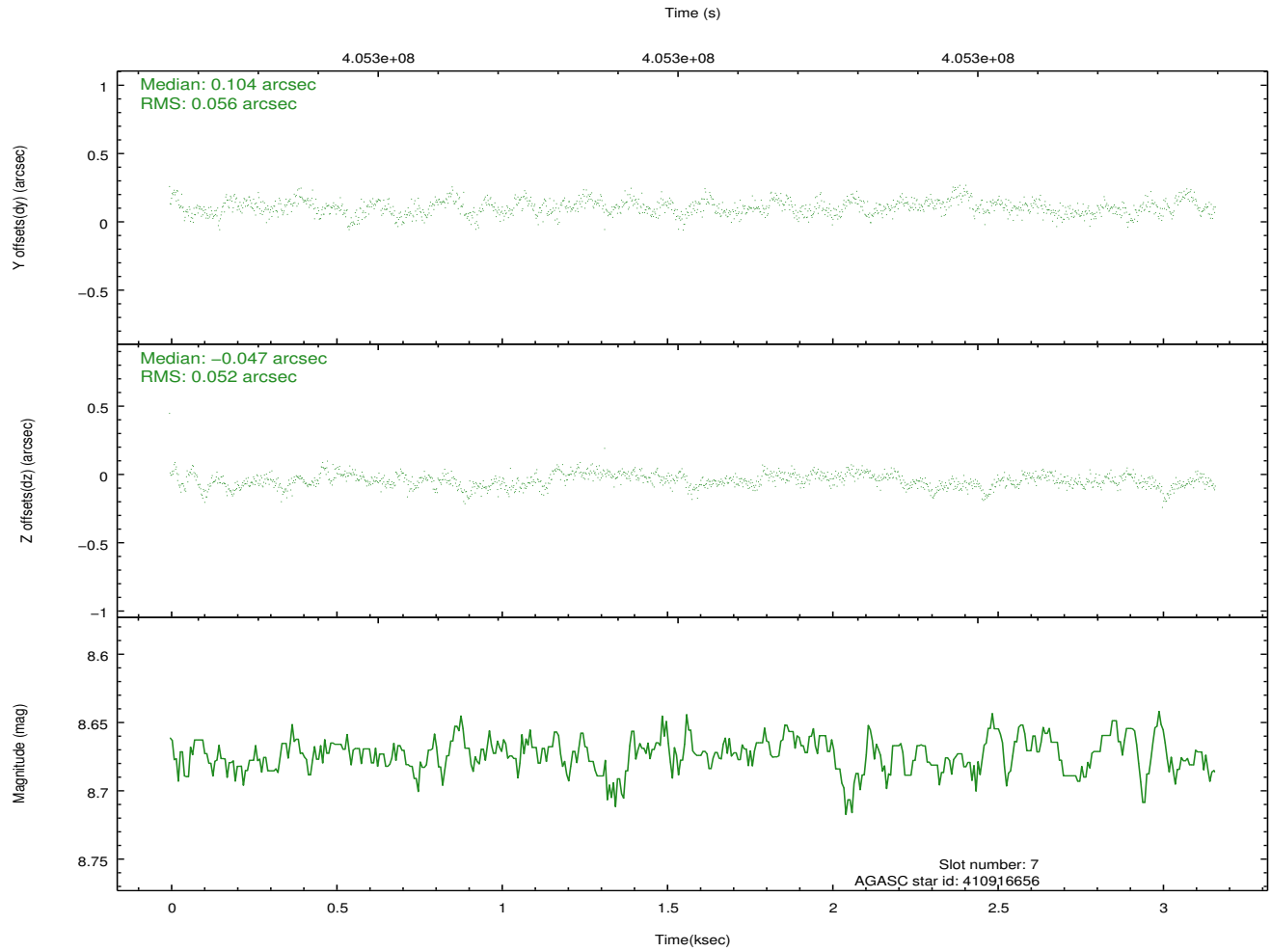
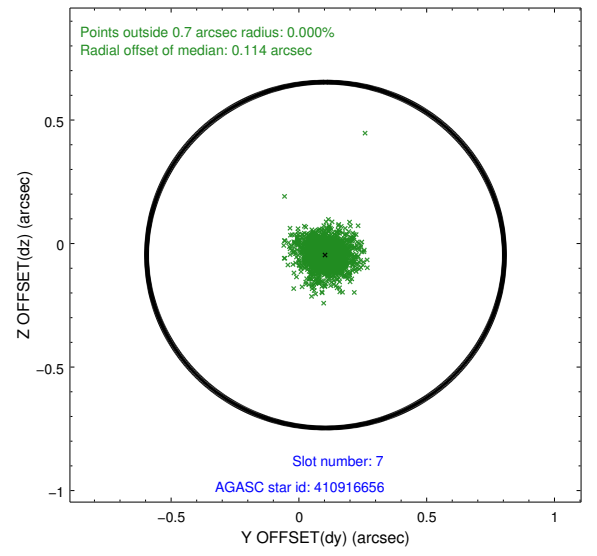
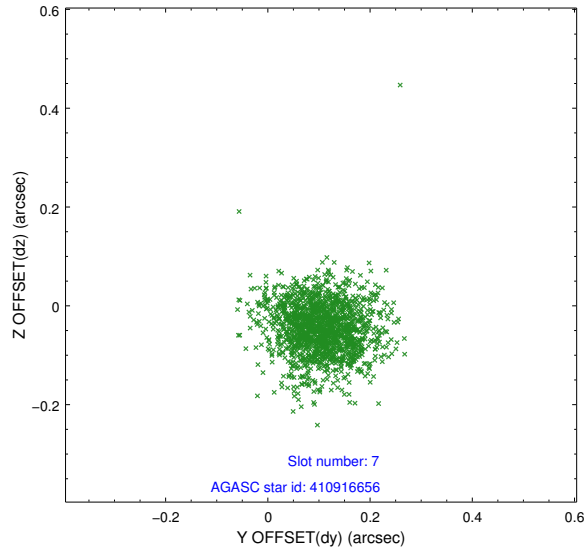
2.4.3 Slot 5



2.4.4 Slot 6

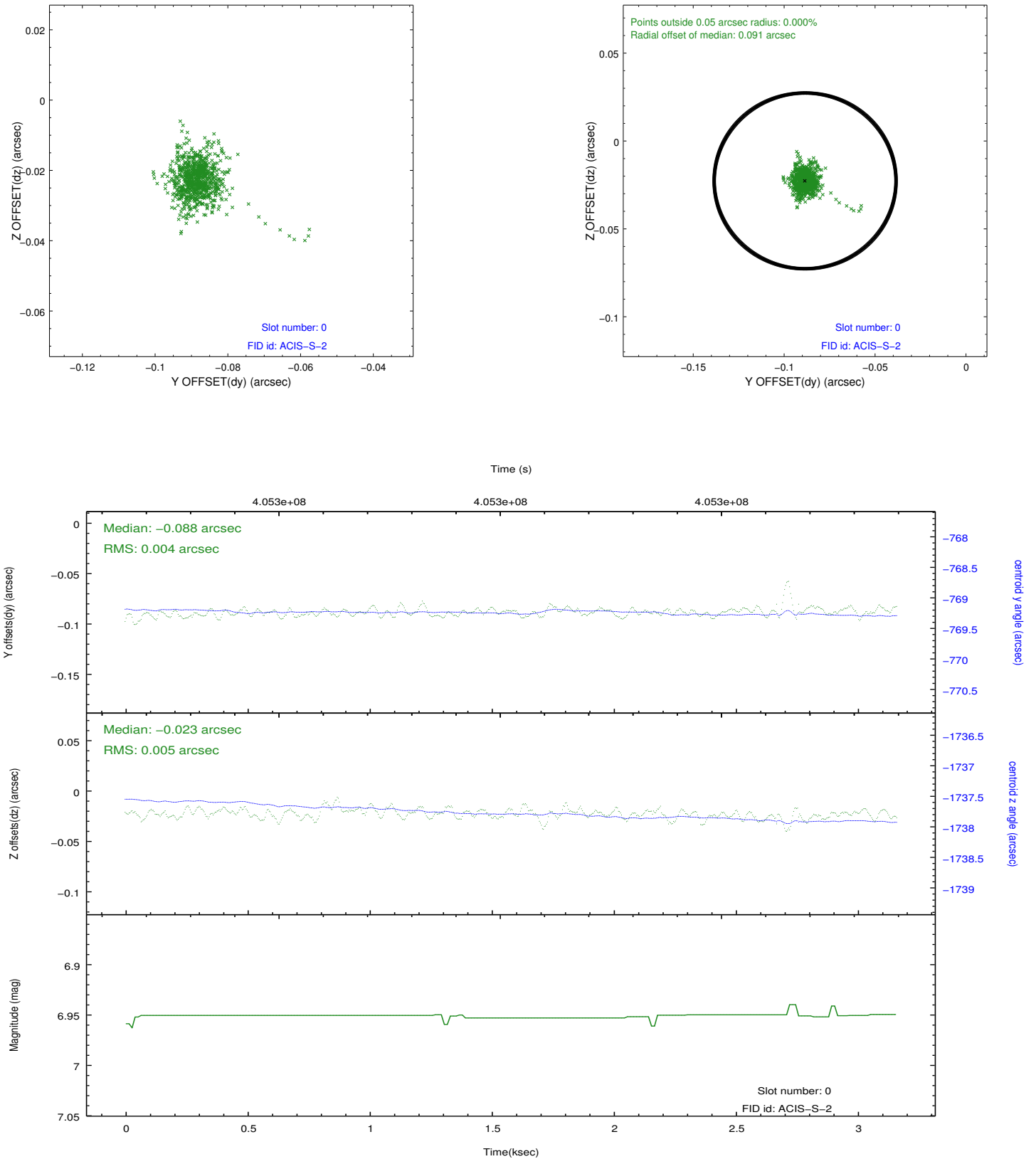


2.4.5 Slot 7

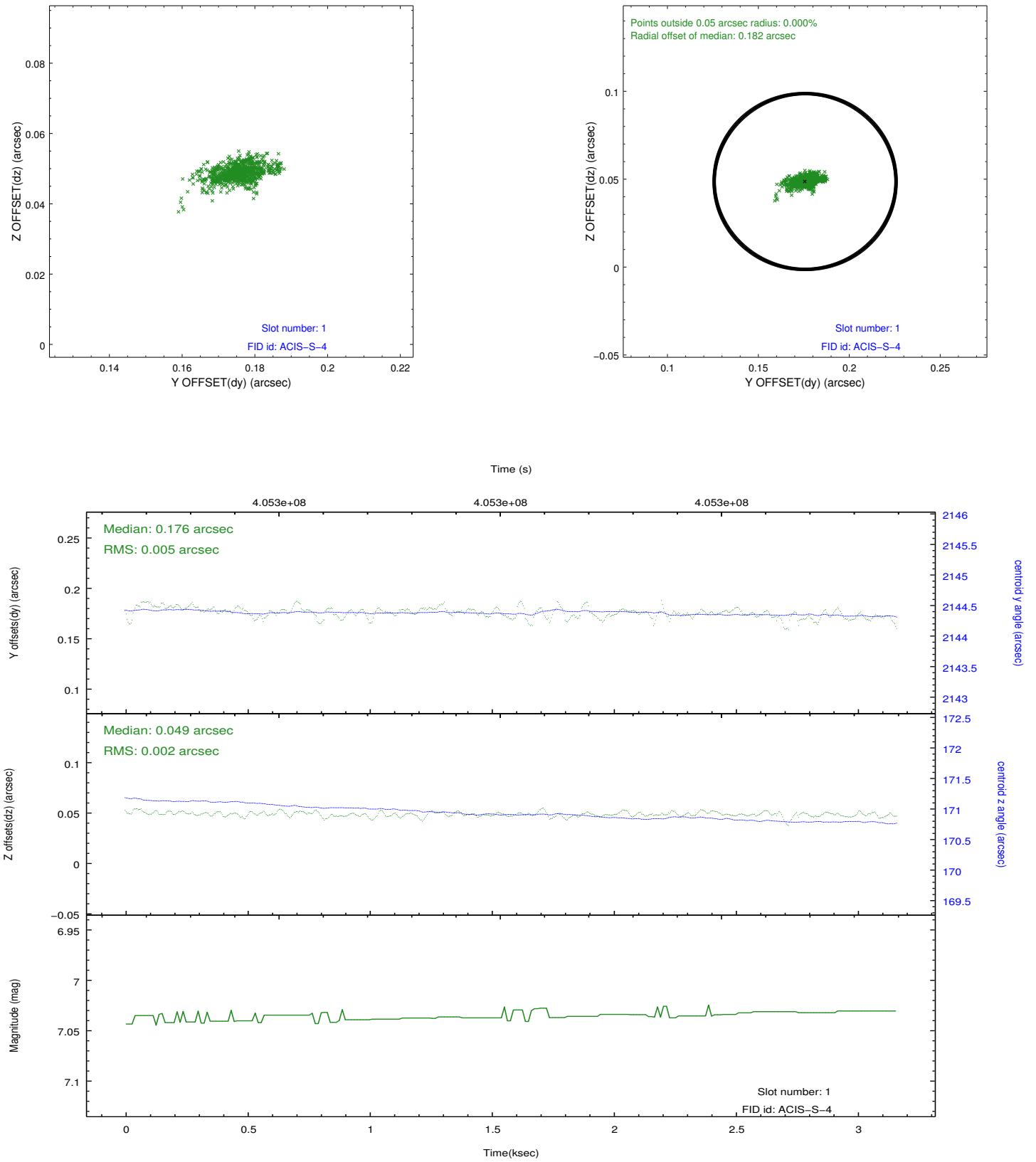


2.5 FID Slots

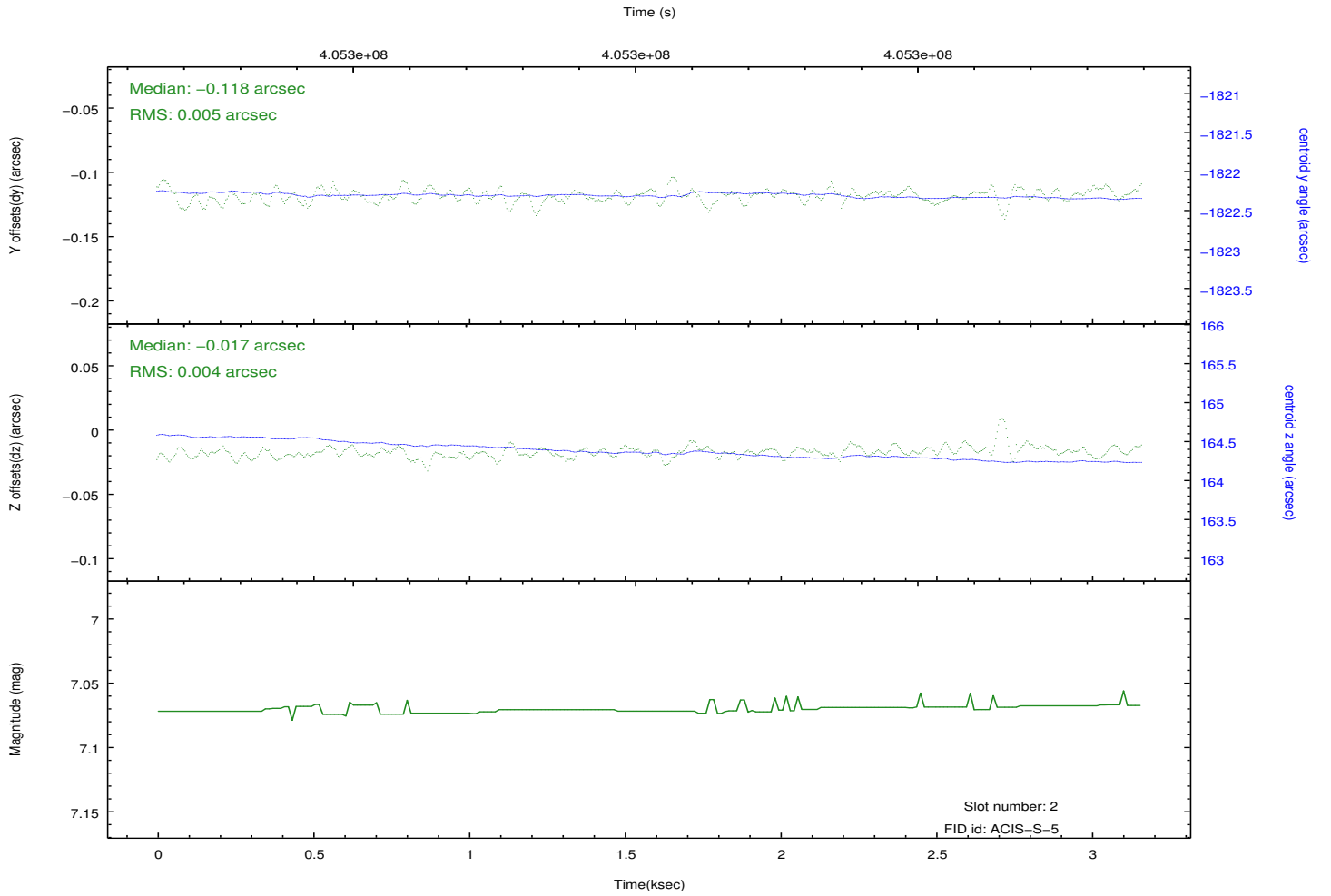
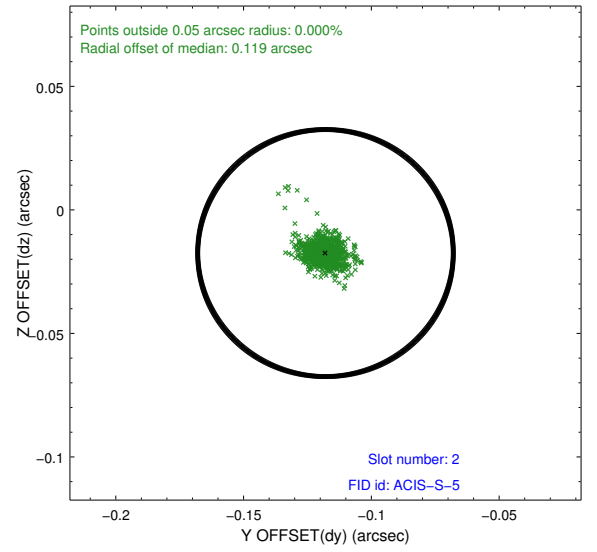
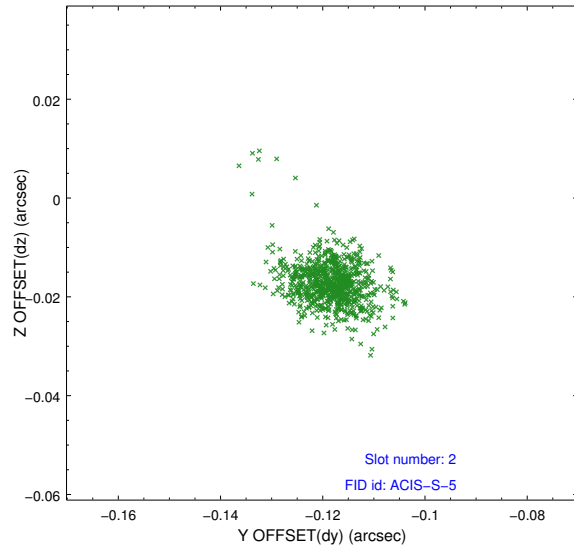
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7519999898076

A.2 Comments