

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11769 - L2 Version 2
Chandra X-Ray Center

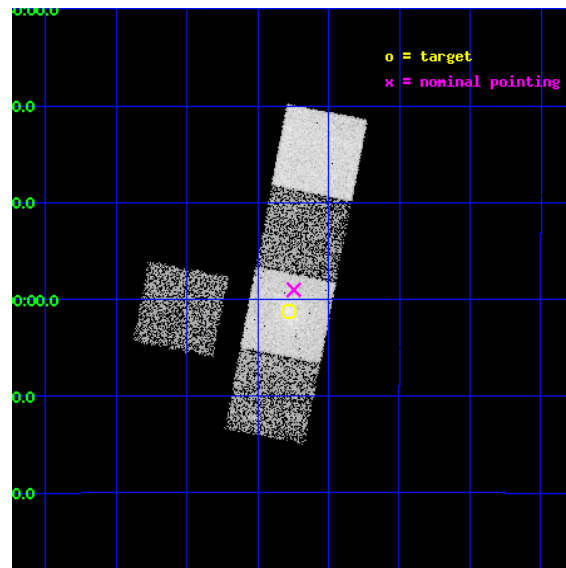
L2 Processing Date : Jun 11 2012

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1 Front

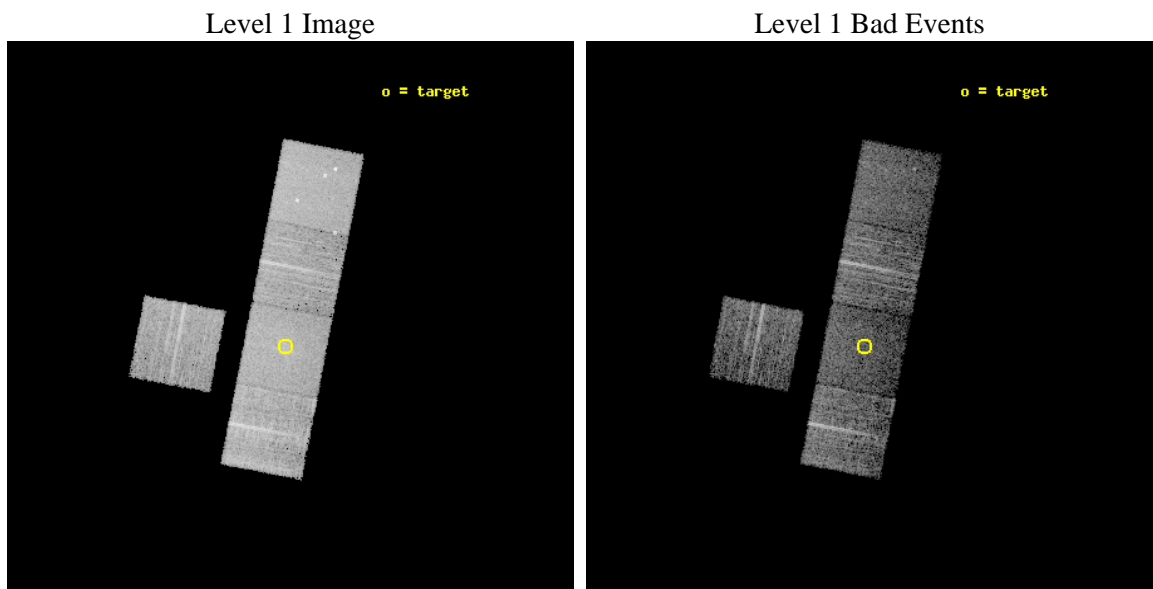
seq_num	800909	Sequence number
obs_id	11769	Observation id
title	The X-Ray, SZ, and Optical Scaling Relations of Massive Galaxy Clusters	Proposal title
observer	Dr. Eli Rykoff	Principal investigator
object	A2645	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	355.320833	Observer's specified target RA [deg]
dec_targ	-9.019944	Observer's specified target Dec [deg]
ra_nom	355.31110787717	Nominal RA [deg]
dec_nom	-8.98368525766	Nominal Dec [deg]
roll_nom	101.03989441451	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5033.5968649387	Sum of GTIs [s]
livetime	4967.8292162182	Livetime [s]
ontime3	5033.4737449288	Sum of GTIs [s]
ontime5	5033.5558249354	Sum of GTIs [s]
ontime6	5033.5147849321	Sum of GTIs [s]
ontime7	5033.5968649387	Sum of GTIs [s]
ontime8	5033.4327049255	Sum of GTIs [s]
l2events	66695	Number of level 2 events



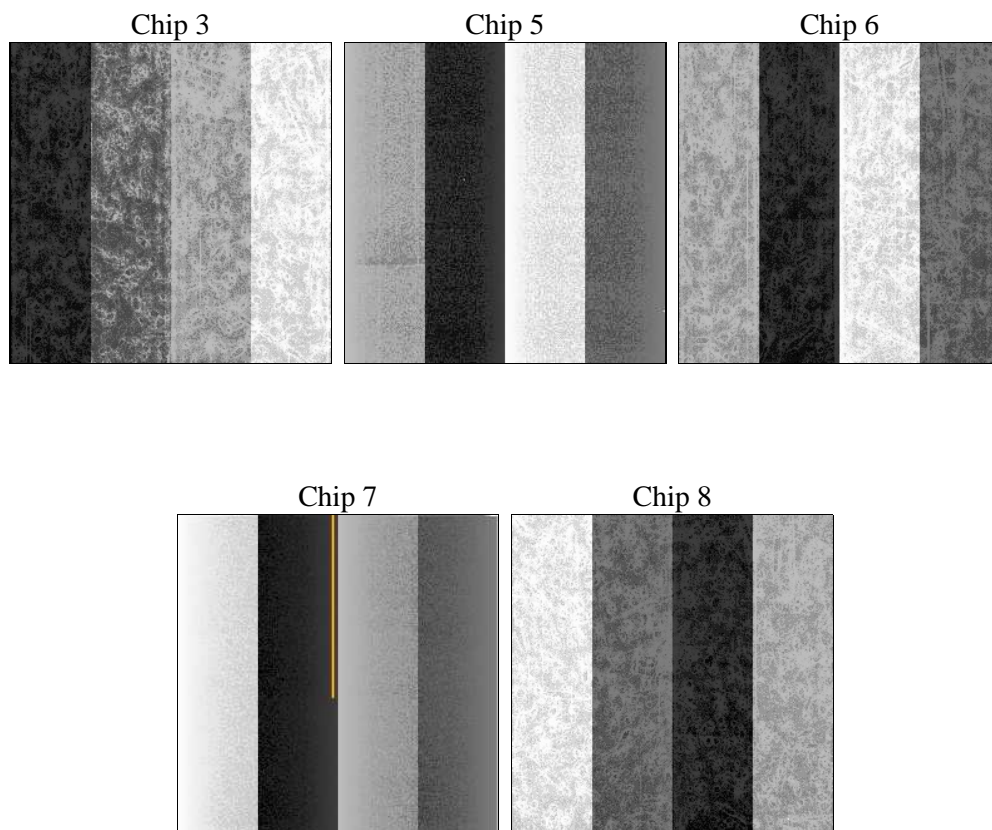
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5033.5968649387	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	5033.4737449288	Sum of GTIs [s]
date	2012-06-12T01:29:22	Date and time of file creation	ontime5	5033.5558249354	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5033.5147849321	Sum of GTIs [s]
			ontime7	5033.5968649387	Sum of GTIs [s]
			ontime8	5033.4327049255	Sum of GTIs [s]
			l1events	262958	Number of level 1 events

2.1.4 Events

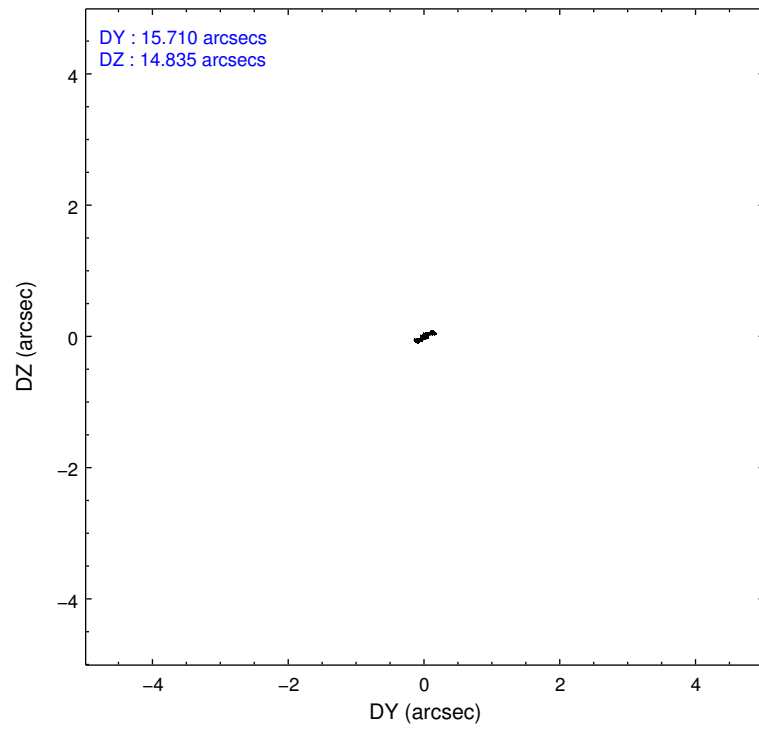
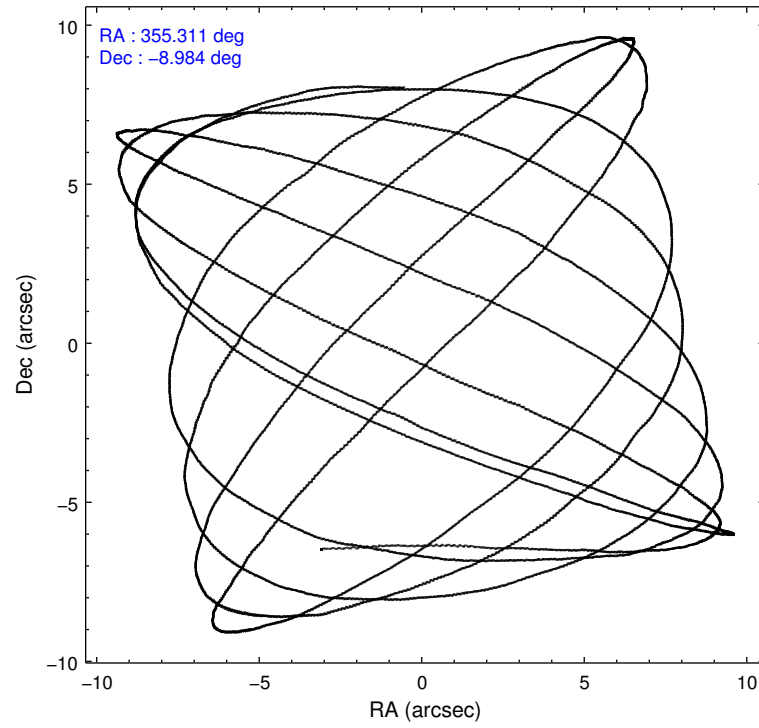
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41582	64063	46079	53219	58015
rejected events	37435	32129	41322	27802	43633
rejected %	90%	50%	89%	52%	75%

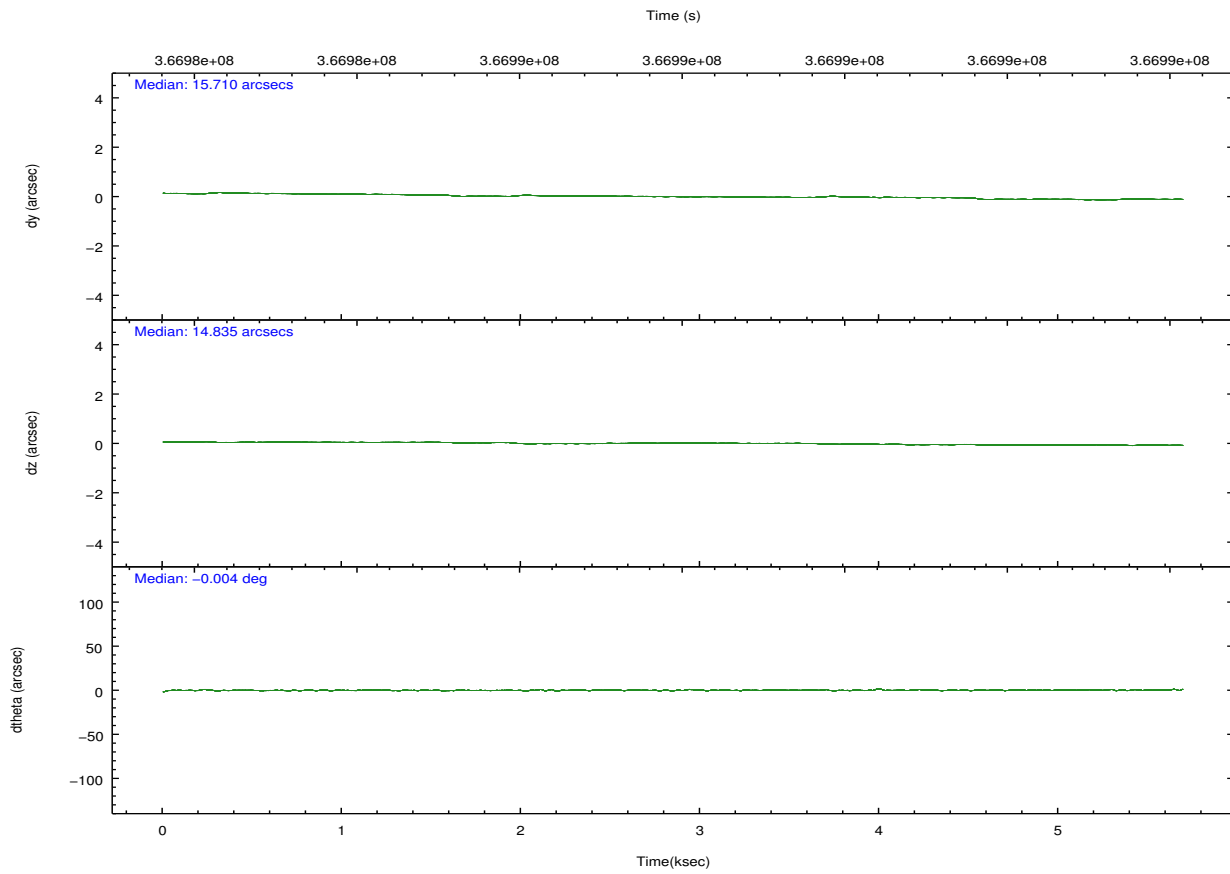
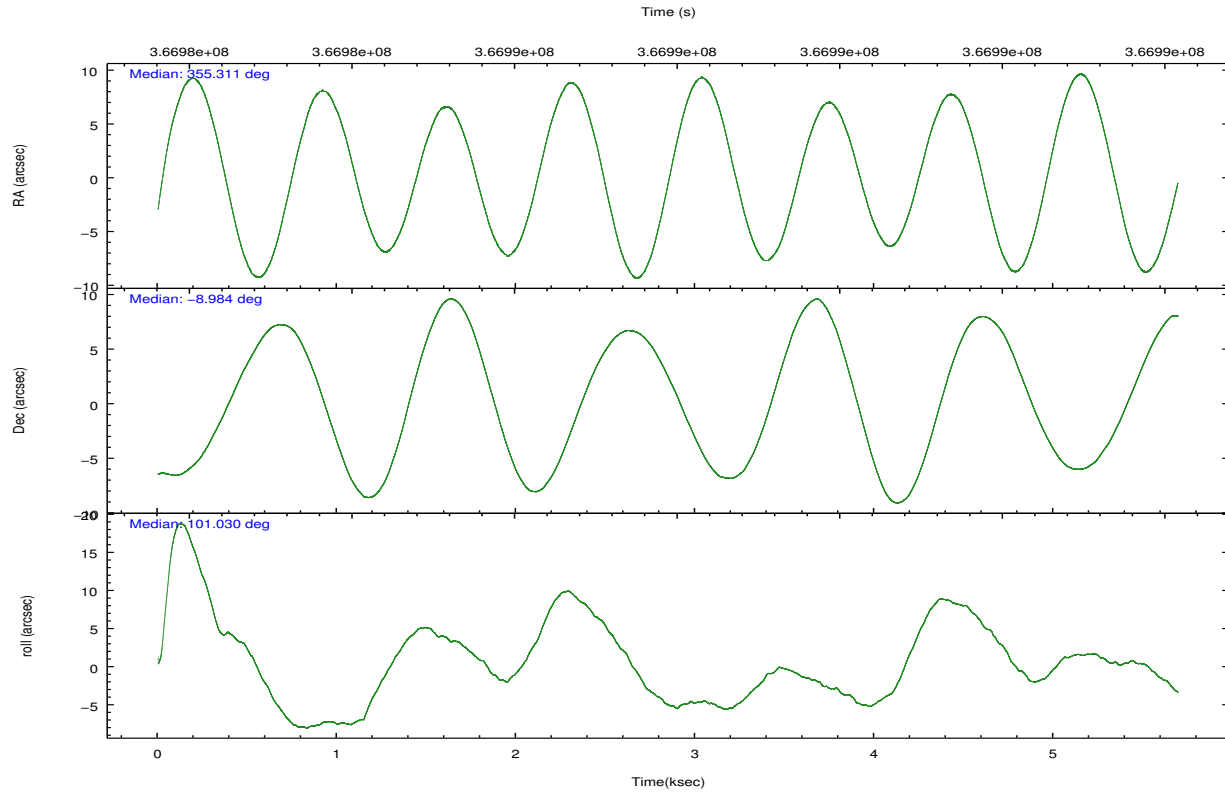
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1473	3252	1722	2807	4070
	3%	5%	3%	5%	7%
grade 1 events	24	141	34	85	49
	0%	0%	0%	0%	0%
grade 2 events	898	9804	1038	5434	3418
	2%	15%	2%	10%	5%
grade 3 events	468	1277	470	2249	1598
	1%	1%	1%	4%	2%
grade 4 events	470	1227	491	2365	1388
	1%	1%	1%	4%	2%
grade 5 events	1790	4898	1859	5258	2560
	4%	7%	4%	9%	4%
grade 6 events	842	16398	1040	12578	3915
	2%	25%	2%	23%	6%
grade 7 events	35617	27066	39425	22443	41017
	85%	42%	85%	42%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	355.329592	355.3111078771715	CCD I2 on	N	N
[deg] Pointing Dec	-9.004022	-8.983685257659971	CCD I3 on	O1	Y
[deg] Pointing Roll	100.886165	101.0398944145103	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	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	366984797.184000	366983612.73489	CCD S5 on	N	N
Observation start date	2009-08-18T12:12:11	2009-08-18T11:53:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	366989797.184000	366990489.97273	On-chip summing requested	N	N
Observation end date	2009-08-18T13:35:31	2009-08-18T13:48:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



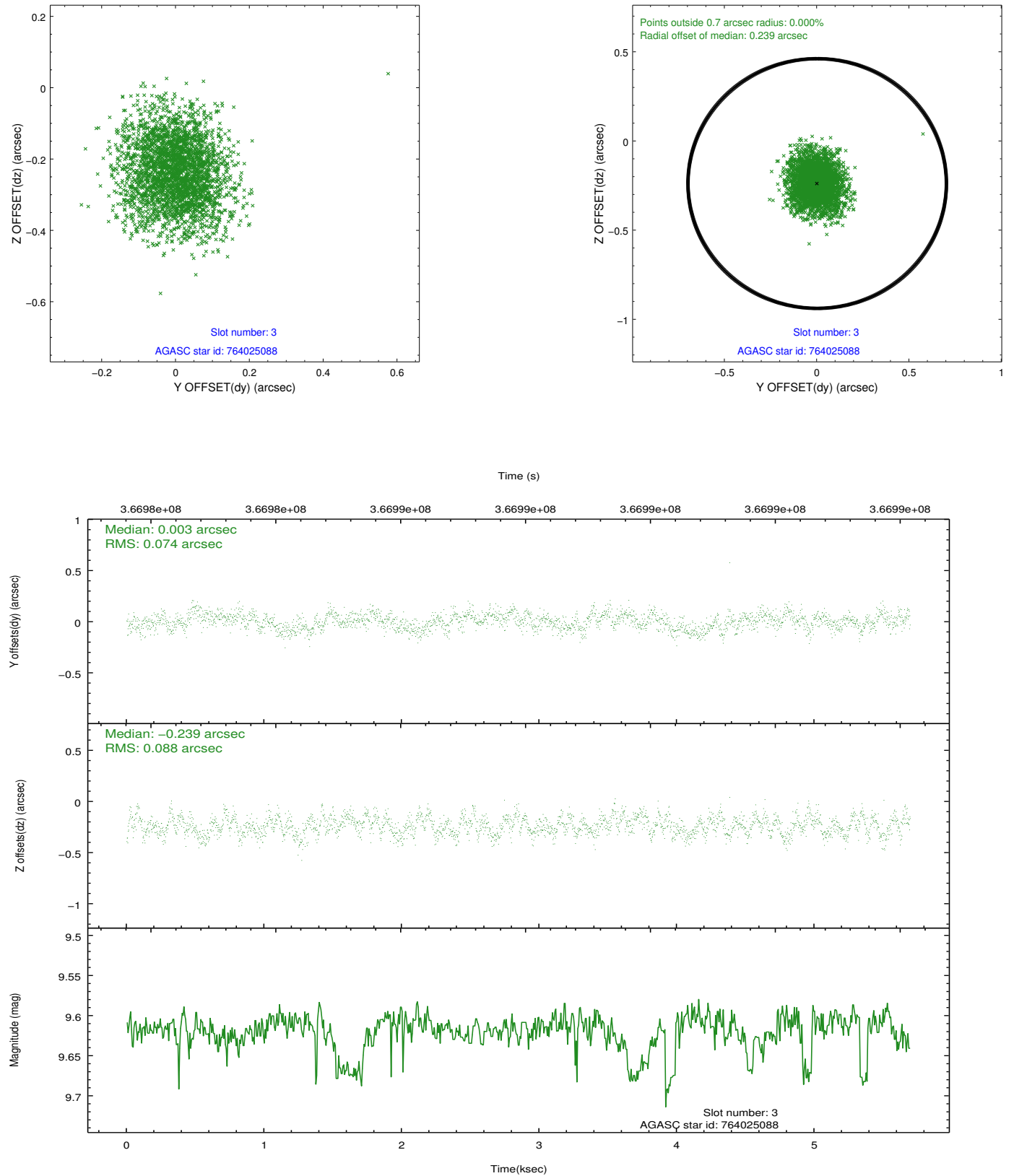


Slot Statistics

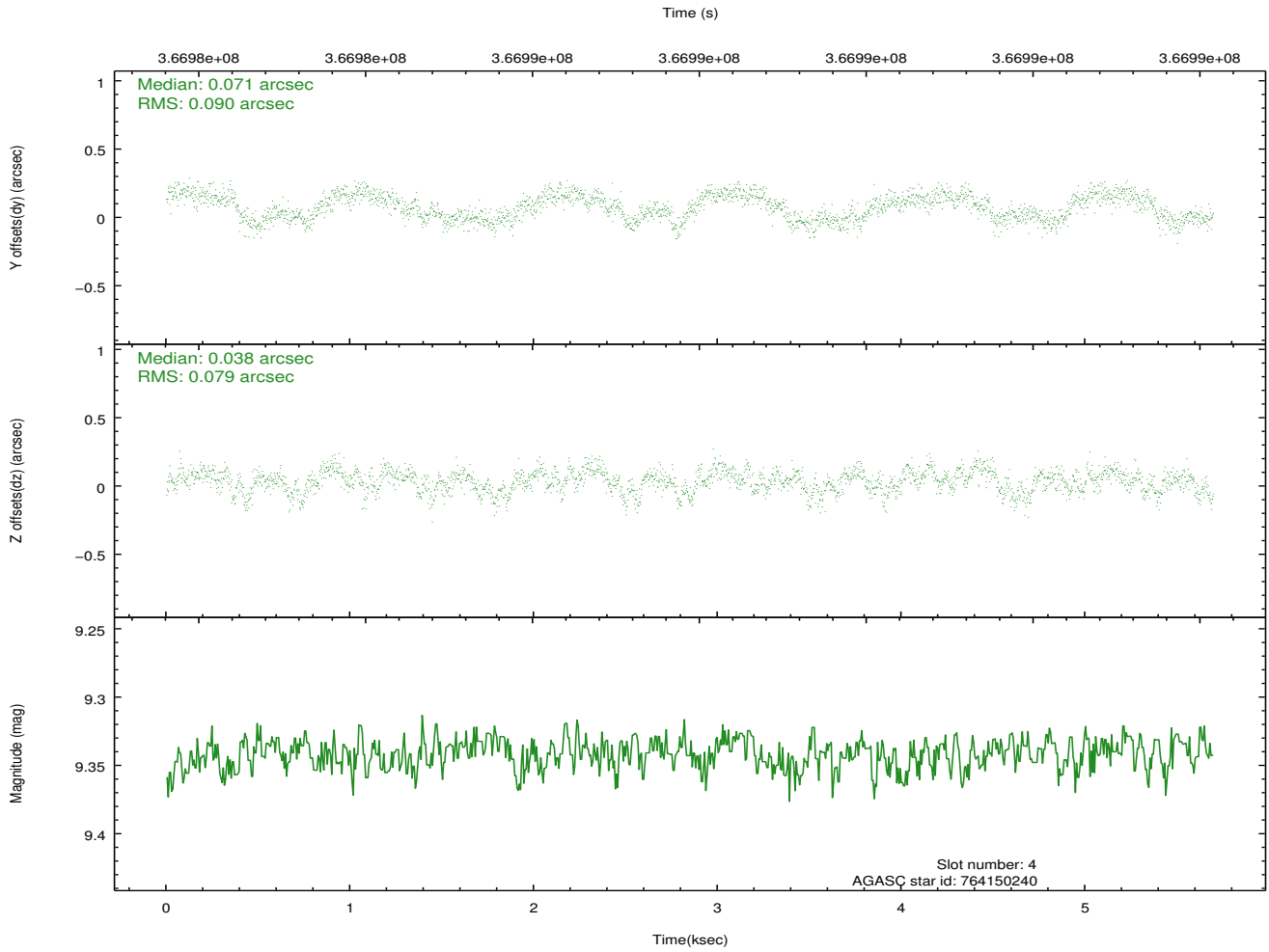
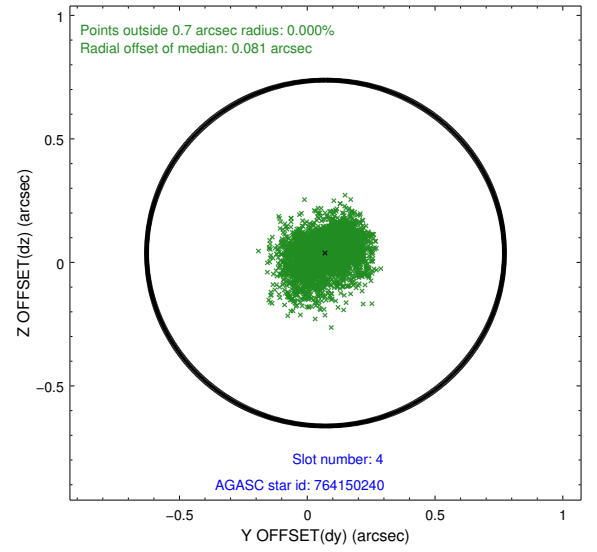
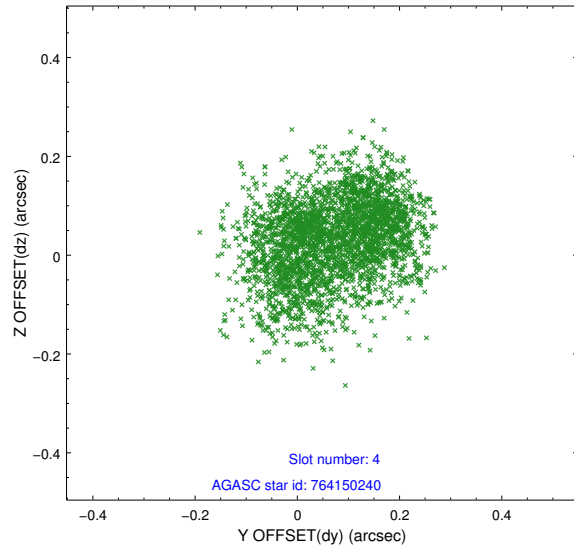
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1389	-0.104	-0.034	0.006	0.011	0.000000	0.000000	-768.79	-1736.14
1	FID	ACIS-S-4	6.99	1389	0.209	0.059	0.006	0.011	0.000000	0.000000	2144.30	171.37
2	FID	ACIS-S-5	7.02	1389	-0.136	-0.017	0.006	0.010	0.000000	0.000000	-1820.34	166.13
3	GUIDE	764025088	9.62	2776	0.003	-0.239	0.122	0.197	354.735916	-8.940286	622.52	2030.22
4	GUIDE	764150240	9.34	2774	0.071	0.038	0.130	0.196	355.769658	-8.962952	-150.27	-1563.65
5	GUIDE	764150360	8.53	2776	-0.002	-0.014	0.081	0.129	355.592734	-8.828779	442.51	-1037.58
6	GUIDE	764150392	8.77	2777	0.011	0.104	0.079	0.125	355.399627	-8.825152	585.40	-365.75
7	GUIDE	764151936	8.85	2774	-0.081	0.121	0.073	0.124	355.757382	-8.619351	1072.38	-1756.39

2.4 Star Slots

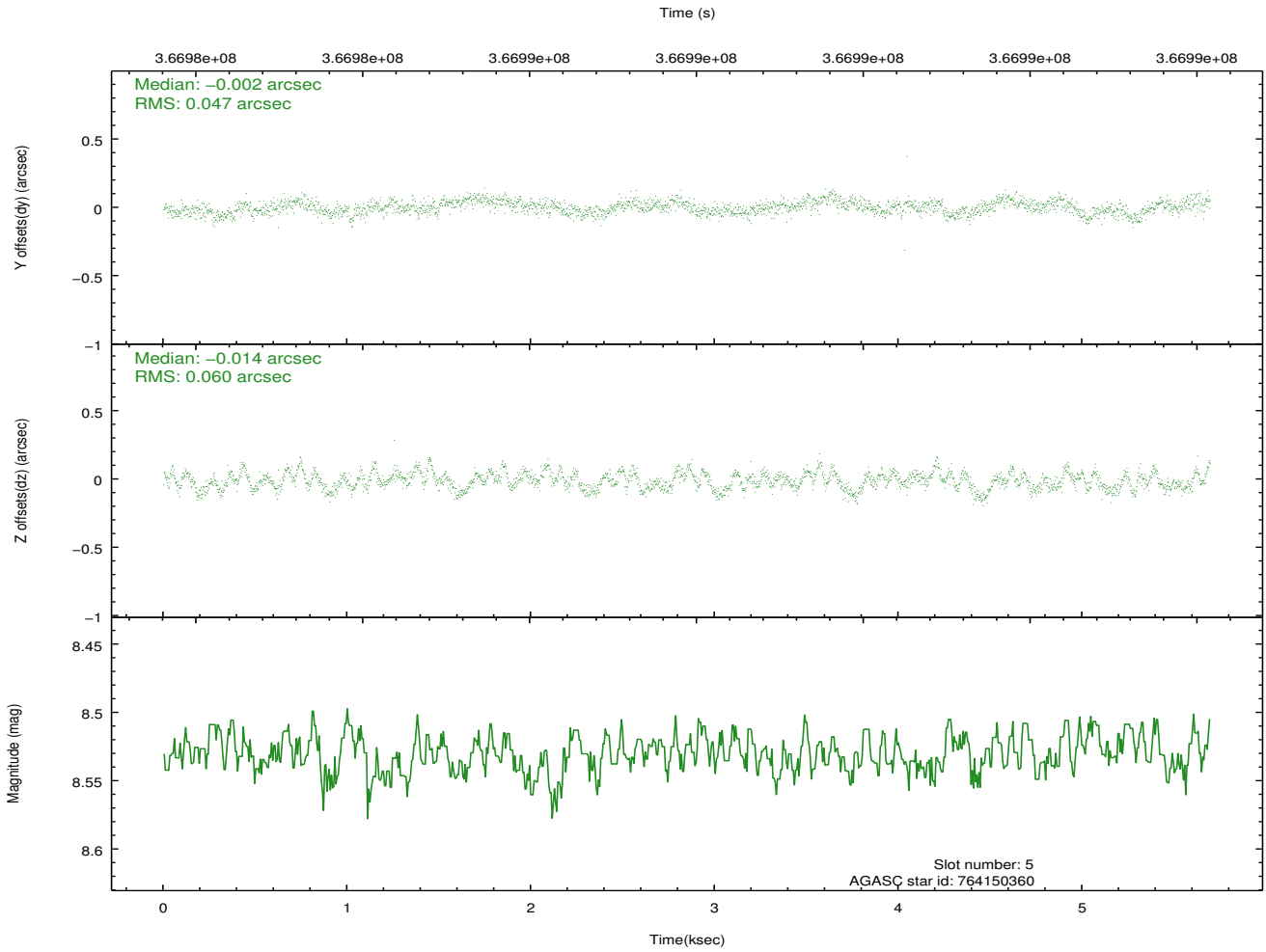
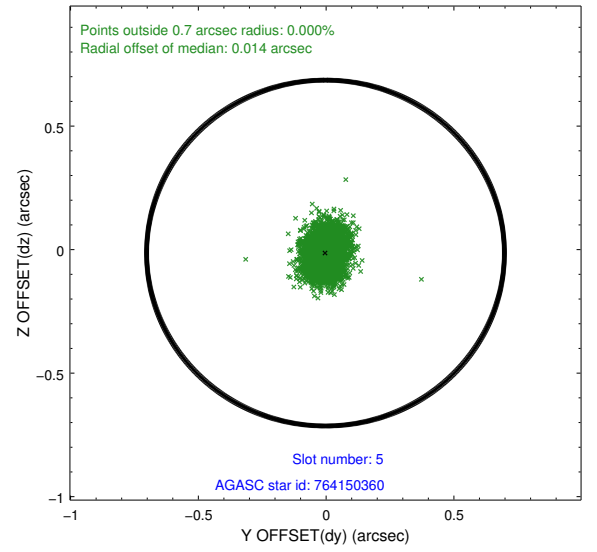
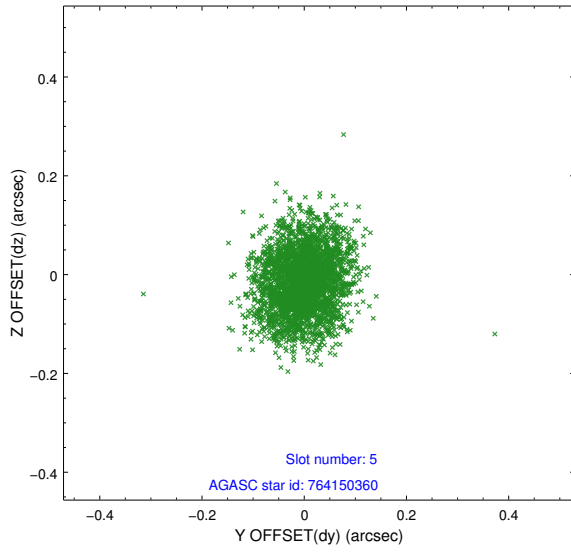
2.4.1 Slot 3



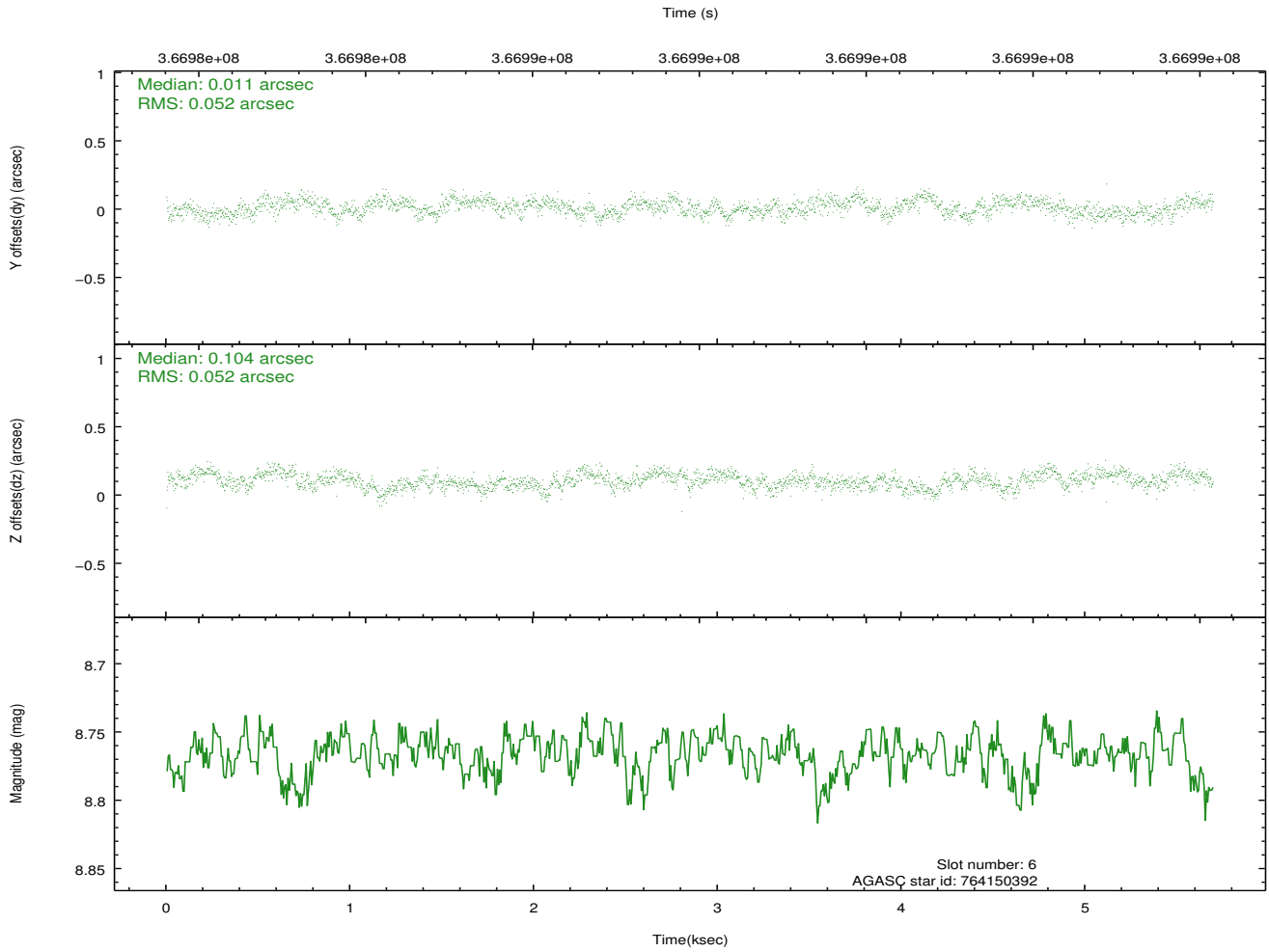
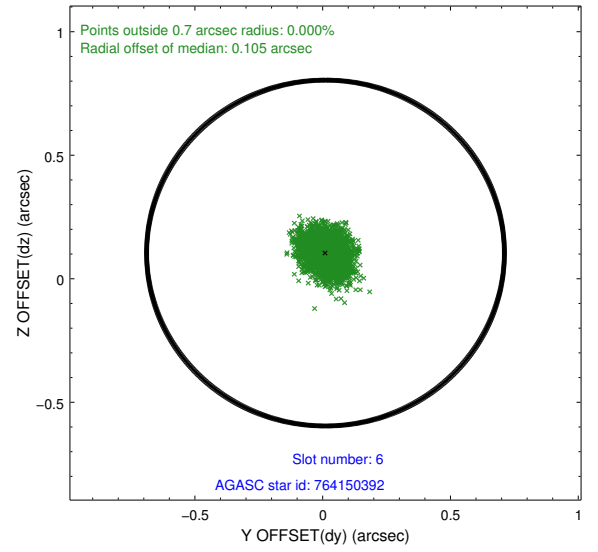
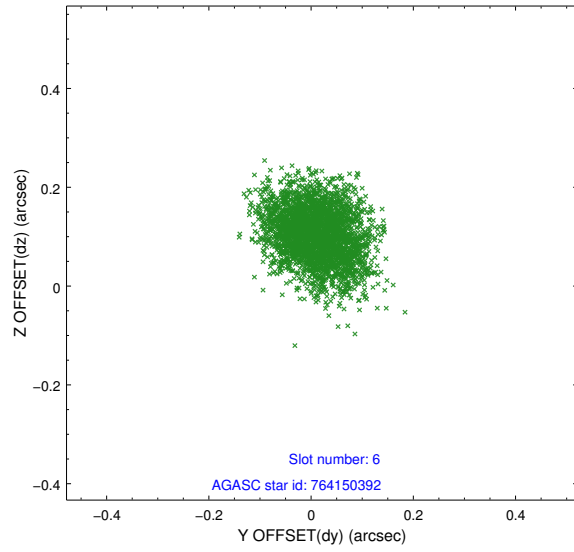
2.4.2 Slot 4



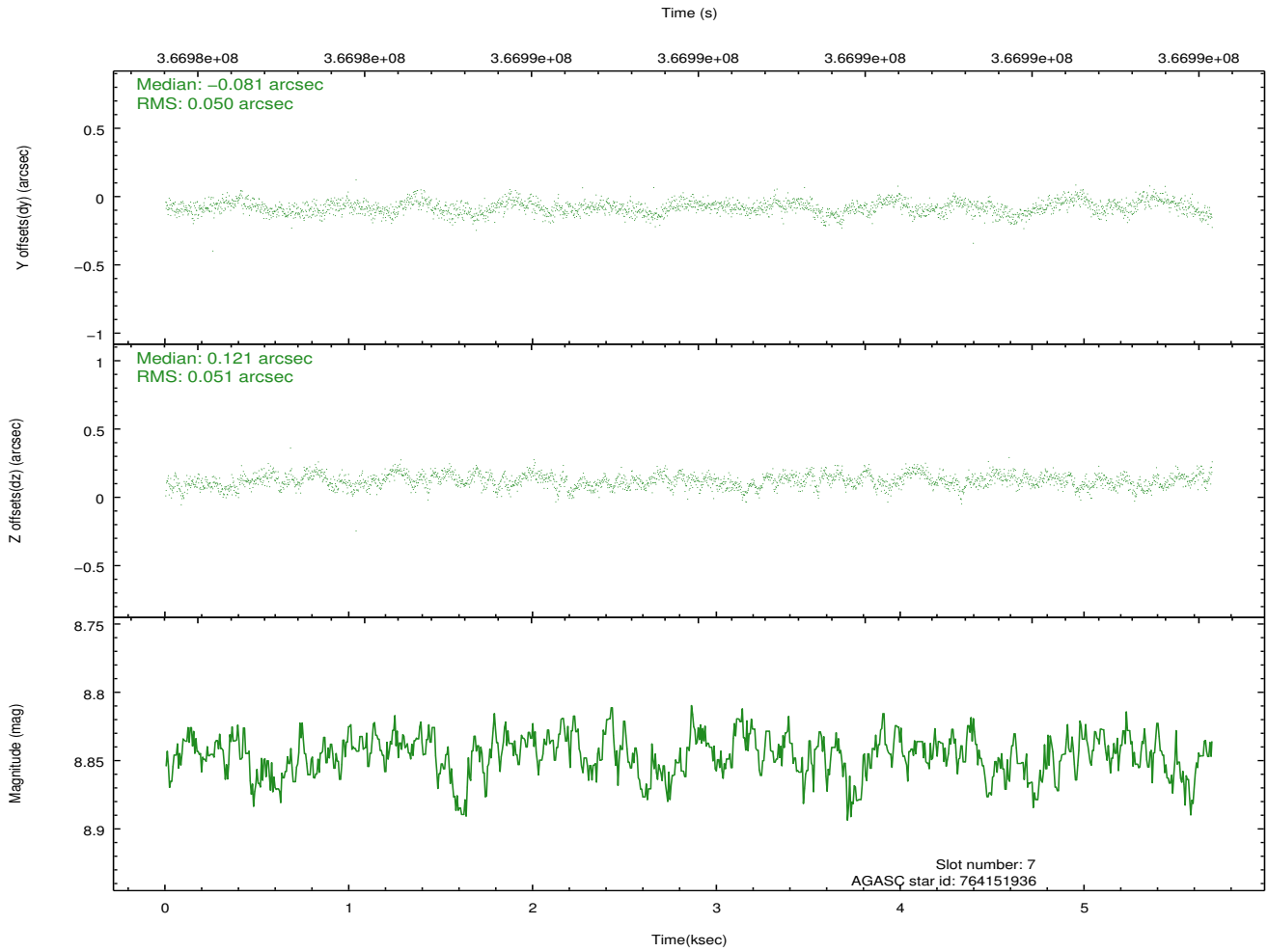
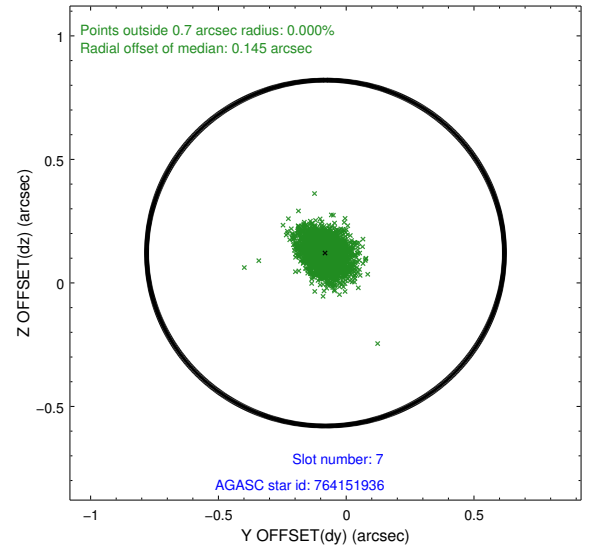
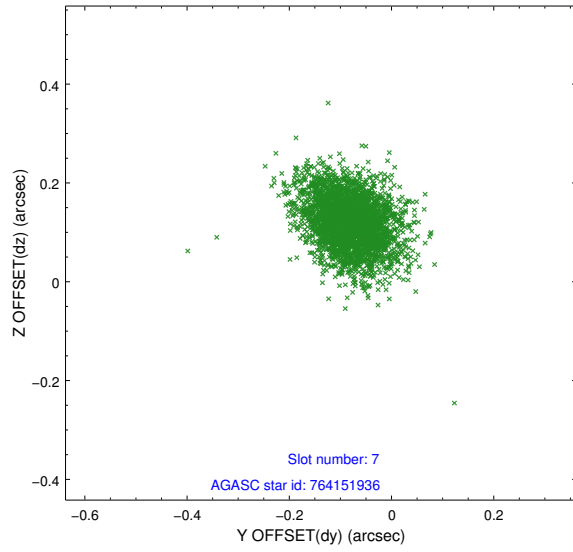
2.4.3 Slot 5



2.4.4 Slot 6

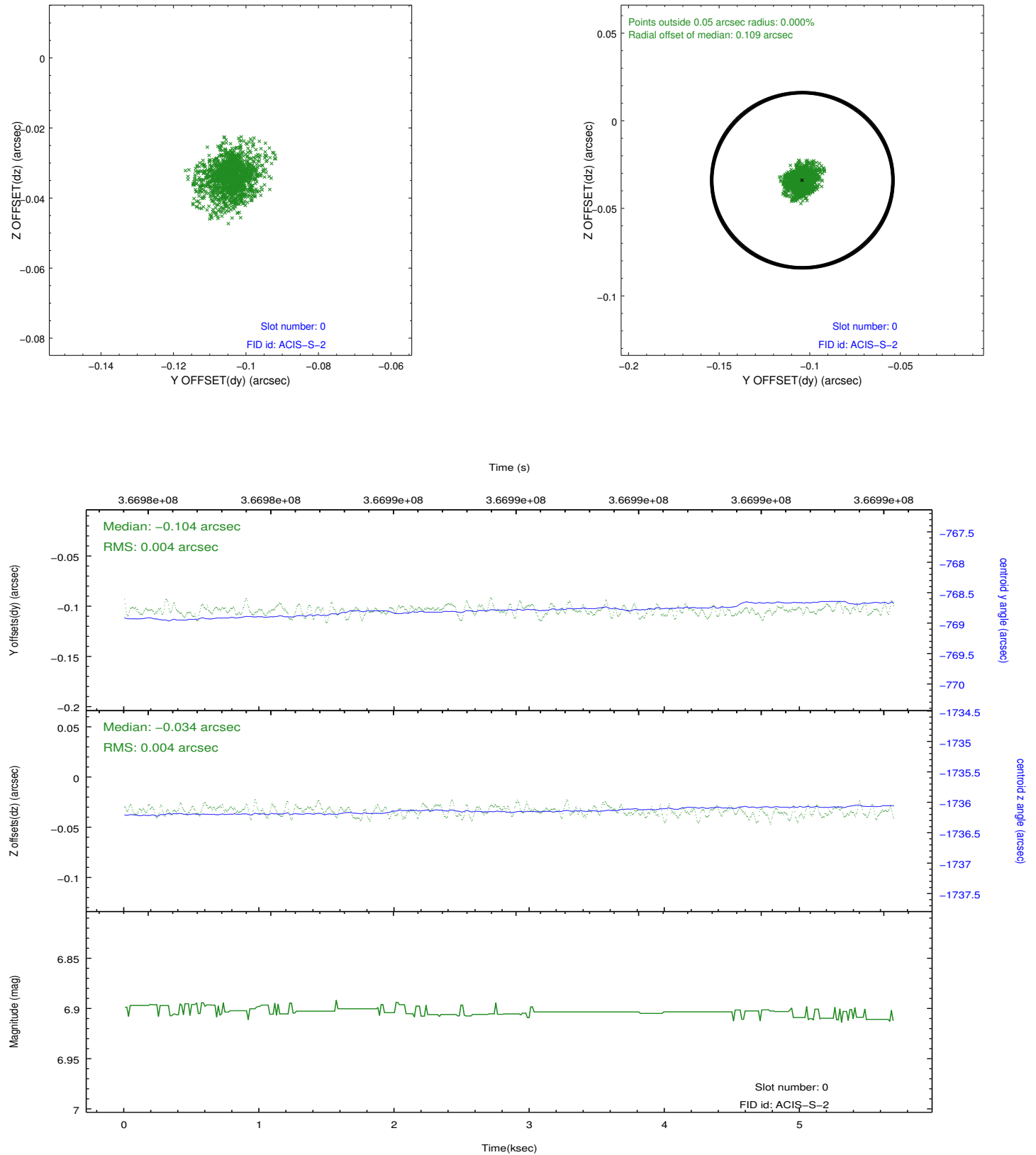


2.4.5 Slot 7

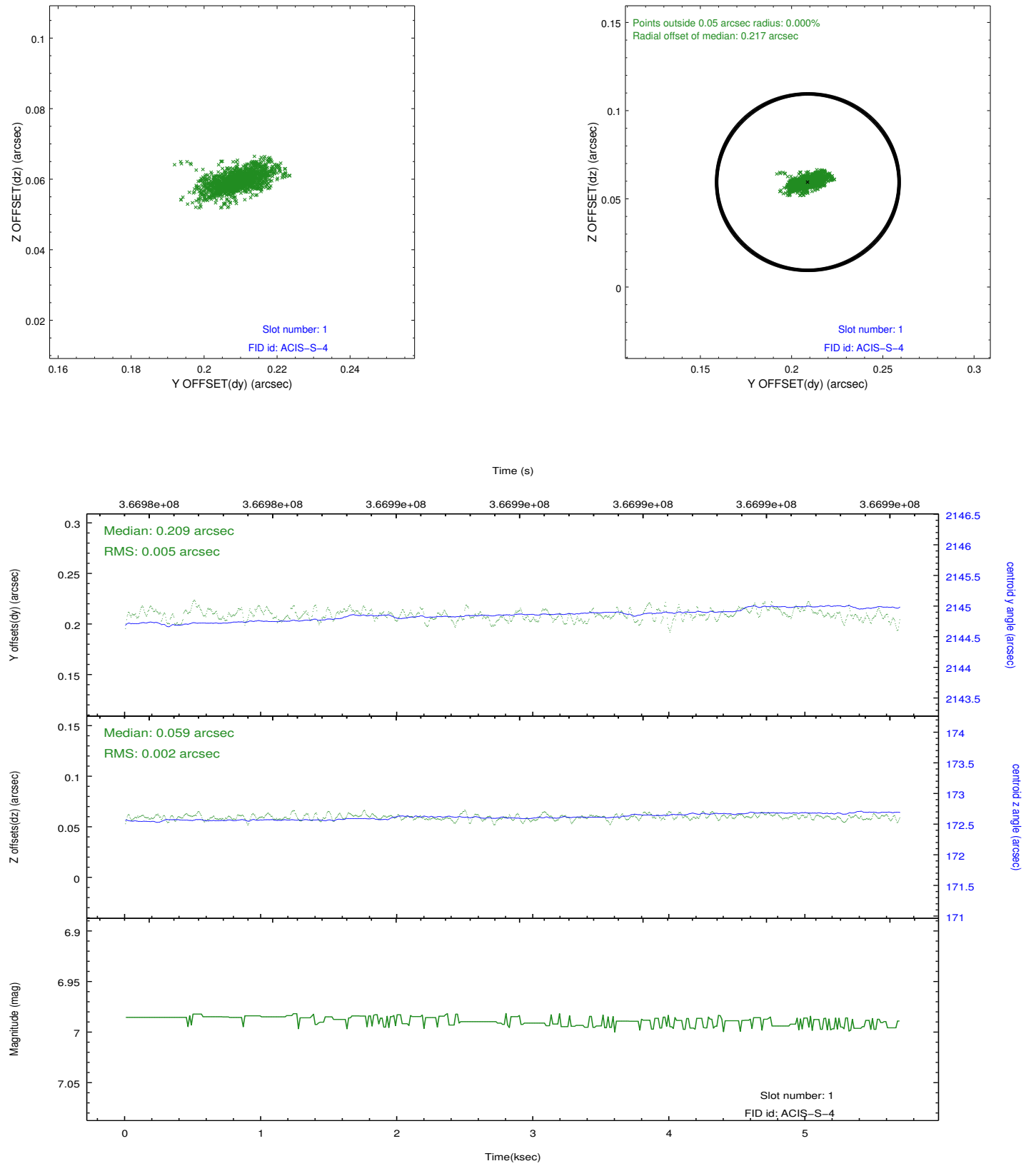


2.5 FID Slots

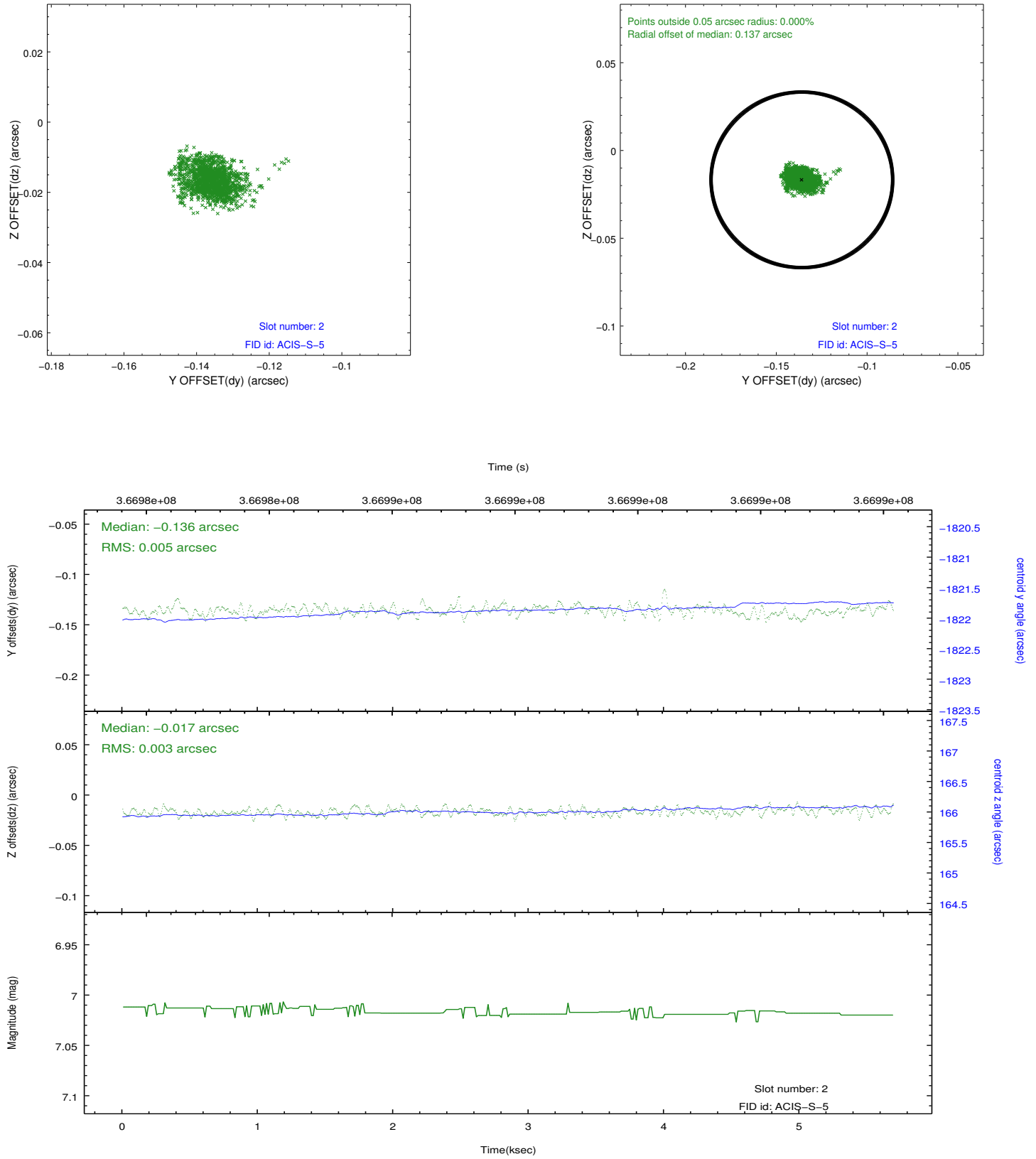
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0335968607068

A.2 Comments