

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3325 - L2 Version 3
Chandra X-Ray Center

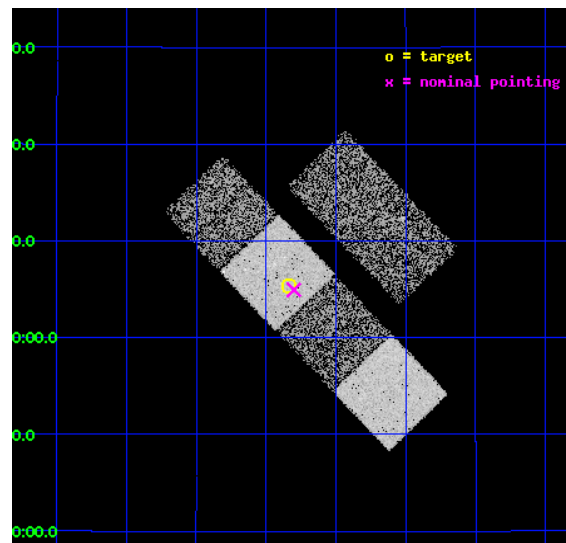
L2 Processing Date : Oct 7 2012

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1 Front

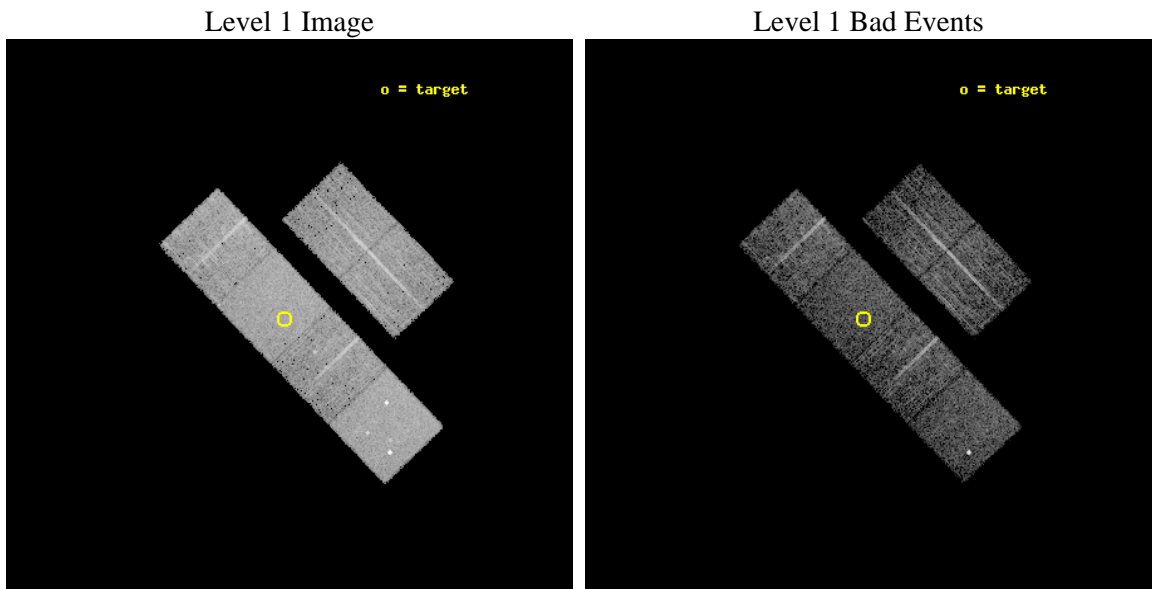
seq_num	900164	Sequence number
obs_id	3325	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1243.8+1305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.958333	Observer's specified target RA [deg]
dec_targ	13.088139	Observer's specified target Dec [deg]
ra_nom	190.9502466039	Nominal RA [deg]
dec_nom	13.082366573472	Nominal Dec [deg]
roll_nom	226.25223390695	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.9999815226	Sum of GTIs [s]
livetime	4897.1934752031	Livetime [s]
ontime2	4959.9999815226	Sum of GTIs [s]
ontime3	4959.9999815226	Sum of GTIs [s]
ontime5	4959.9999815226	Sum of GTIs [s]
ontime6	4959.9999815226	Sum of GTIs [s]
ontime7	4959.9999815226	Sum of GTIs [s]
ontime8	4959.9999815226	Sum of GTIs [s]
l2events	52294	Number of level 2 events



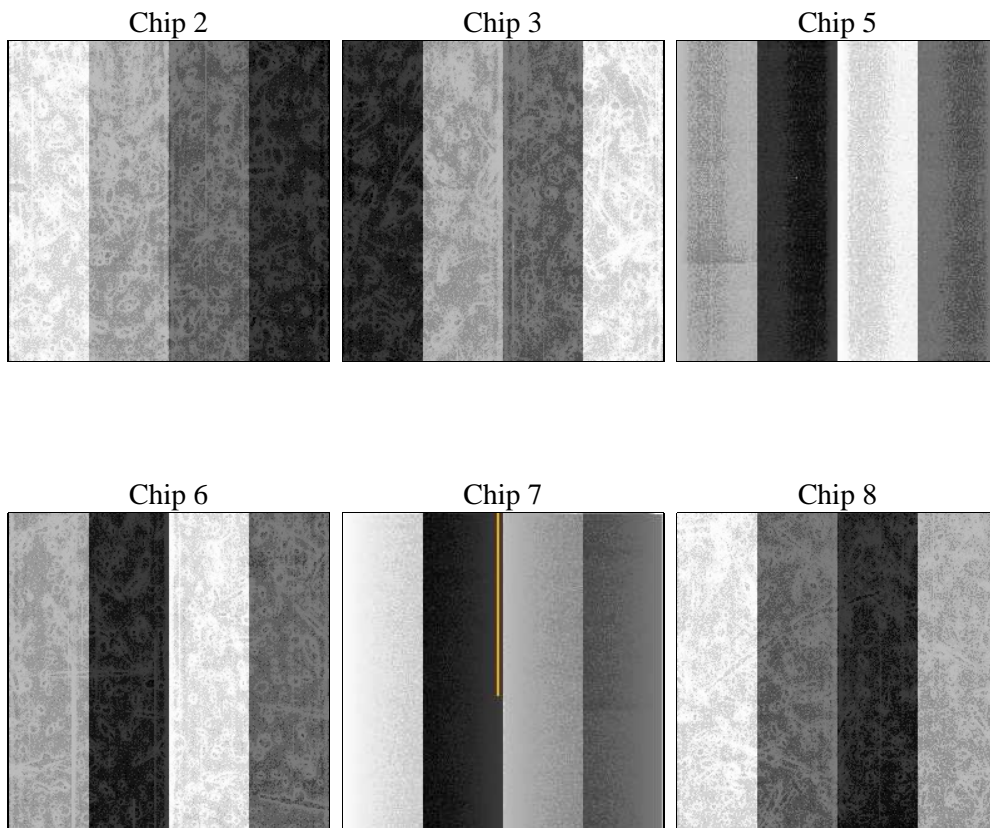
2 OBI

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	4959.9999815226	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4959.9999815226	Sum of GTIs [s]
date	2012-10-07T08:12:07	Date and time of file creation	ontime3	4959.9999815226	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4959.9999815226	Sum of GTIs [s]
			ontime6	4959.9999815226	Sum of GTIs [s]
			ontime7	4959.9999815226	Sum of GTIs [s]
			ontime8	4959.9999815226	Sum of GTIs [s]
			l1events	236528	Number of level 1 events

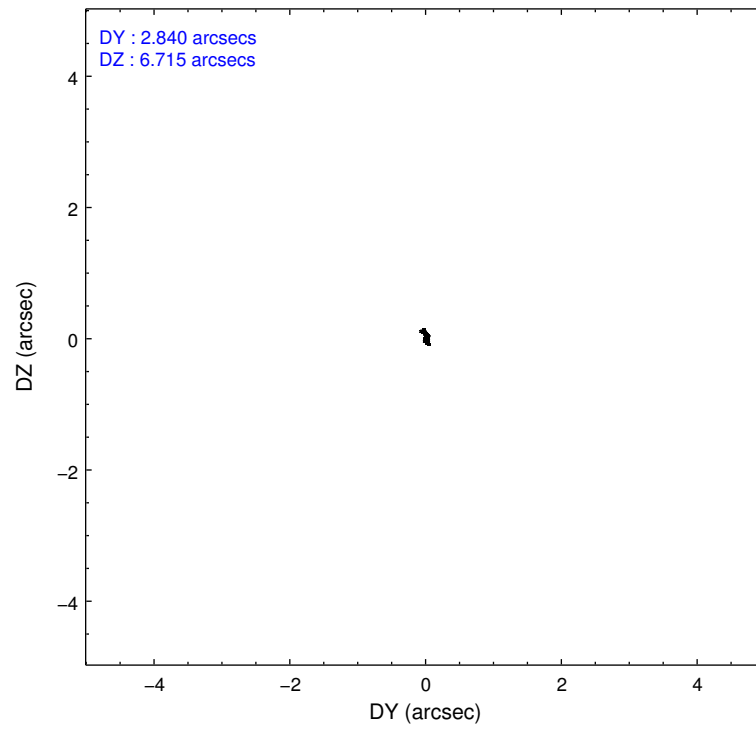
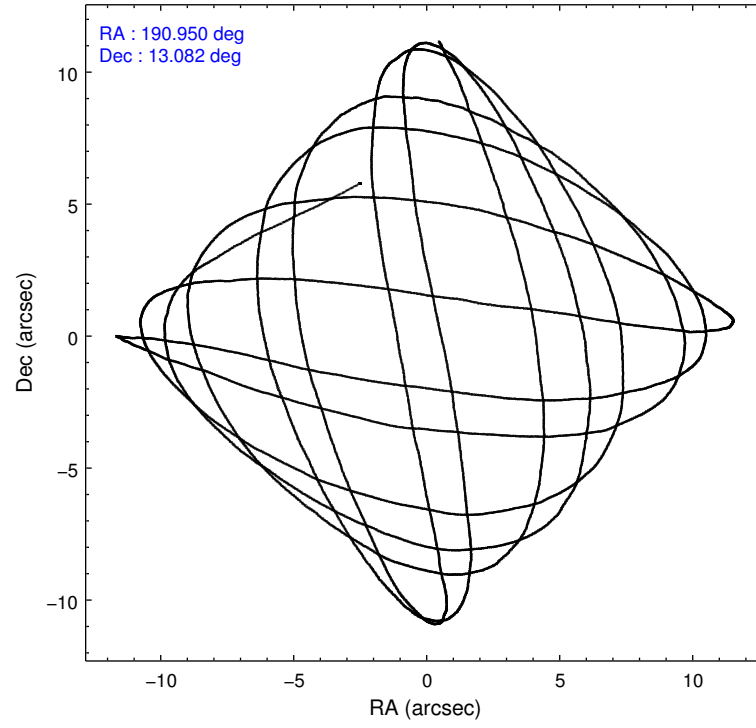
2.1.4 Events

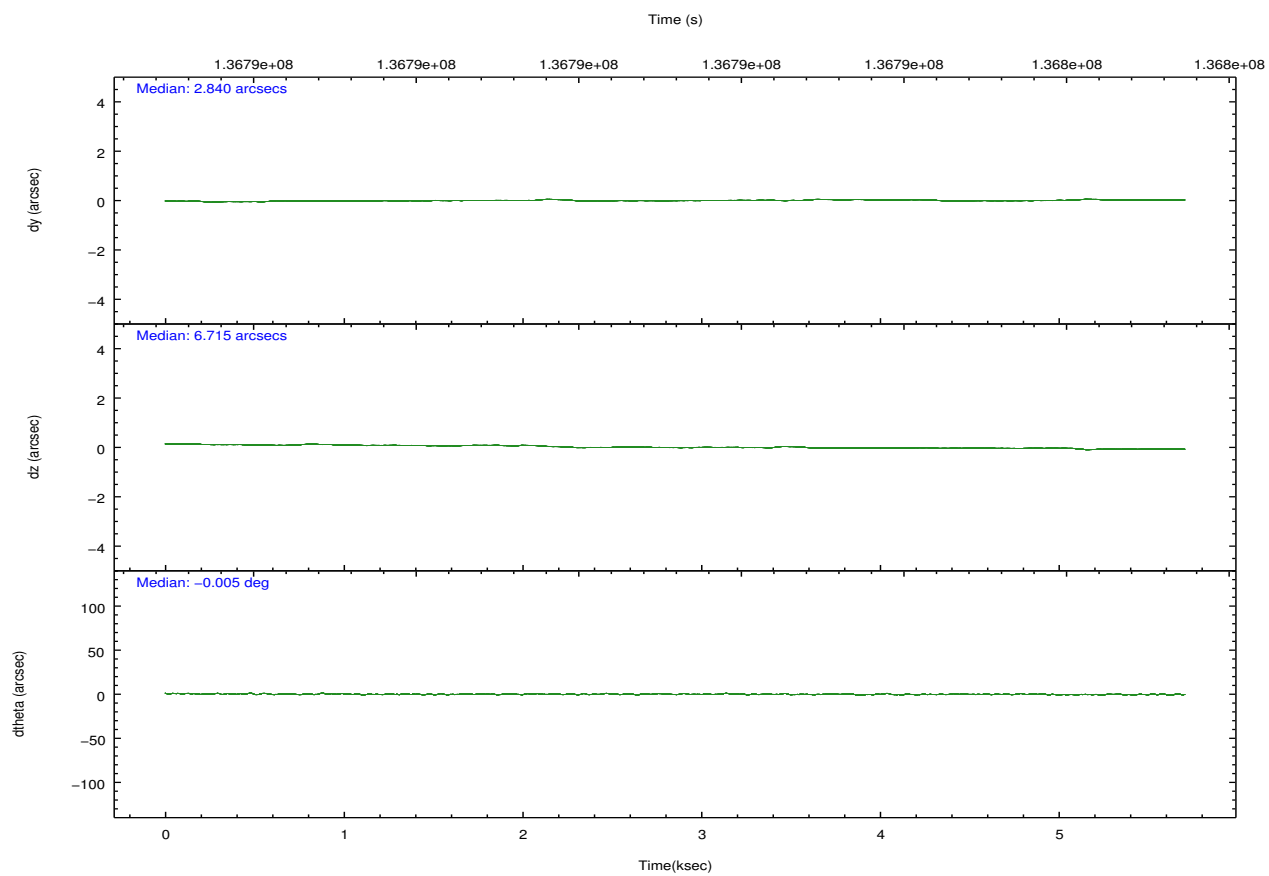
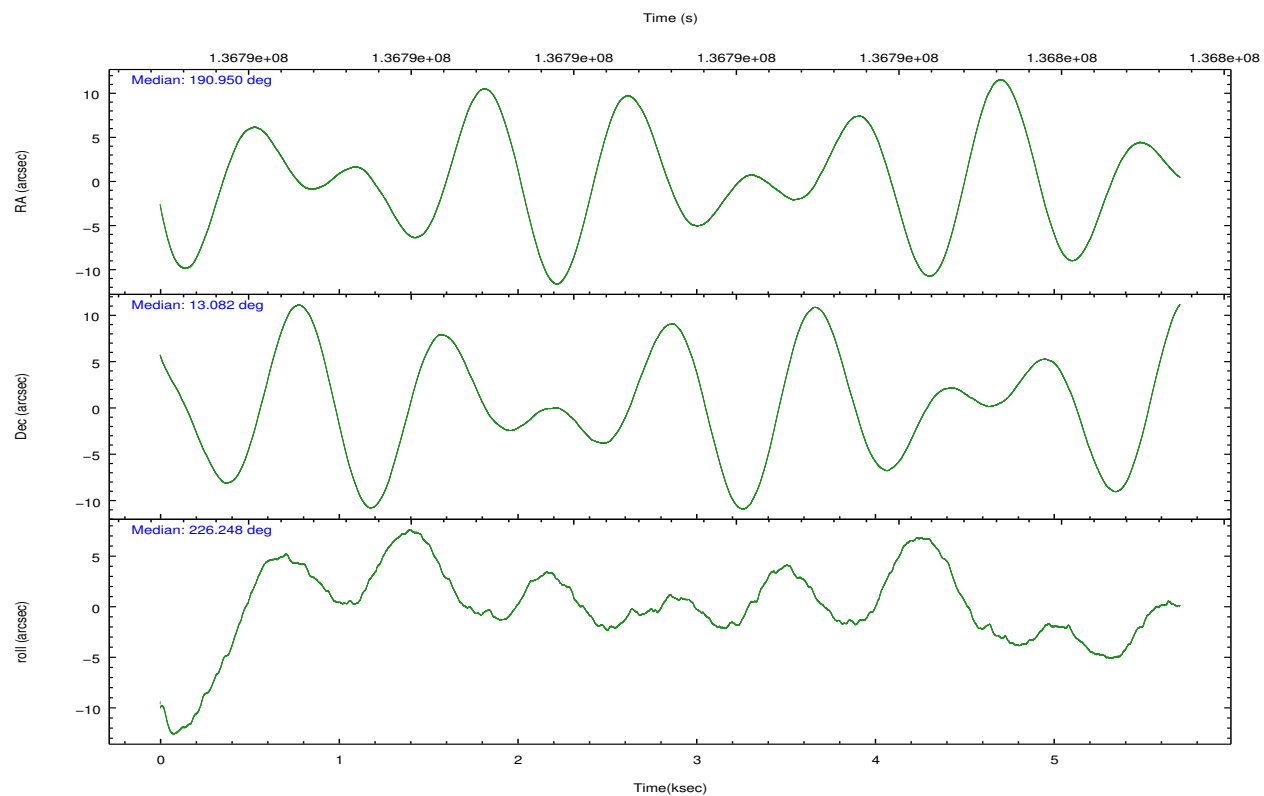
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	35435	31854	49578	32725	44418	42518	grade 0 events	1666	1640	3447	1690	1944	2626
rejected events	31538	28099	26436	28852	25627	34001		4%	5%	6%	5%	4%	6%
rejected %	89%	88%	53%	88%	57%	79%	grade 1 events	17	14	44	24	35	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	858	749	6626	743	3769	1809
								2%	2%	13%	2%	8%	4%
							grade 3 events	341	344	919	332	1688	916
								0%	1%	1%	1%	3%	2%
							grade 4 events	342	374	851	355	1659	834
								0%	1%	1%	1%	3%	1%
							grade 5 events	1188	1331	3586	1402	4088	1827
								3%	4%	7%	4%	9%	4%
							grade 6 events	691	649	11320	754	9743	2332
								1%	2%	22%	2%	21%	5%
							grade 7 events	30332	26753	22785	27425	21492	32145
								85%	83%	45%	83%	48%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	190.956594	190.9502466038962	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.108967	13.08236657347183	Alternating exposures requested	N	N
[deg] Pointing Roll	226.094171	226.2522339069548	[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)	136790448.184000	136789231.53893			
Observation start date	2002-05-03T05:19:44	2002-05-03T05:00:31			
[s] Observation end time (MET)	136795448.184000	136795864.8267			
Observation end date	2002-05-03T06:43:04	2002-05-03T06:51:04			
Read mode	TIMED	TIMED			

2.3 Aspect



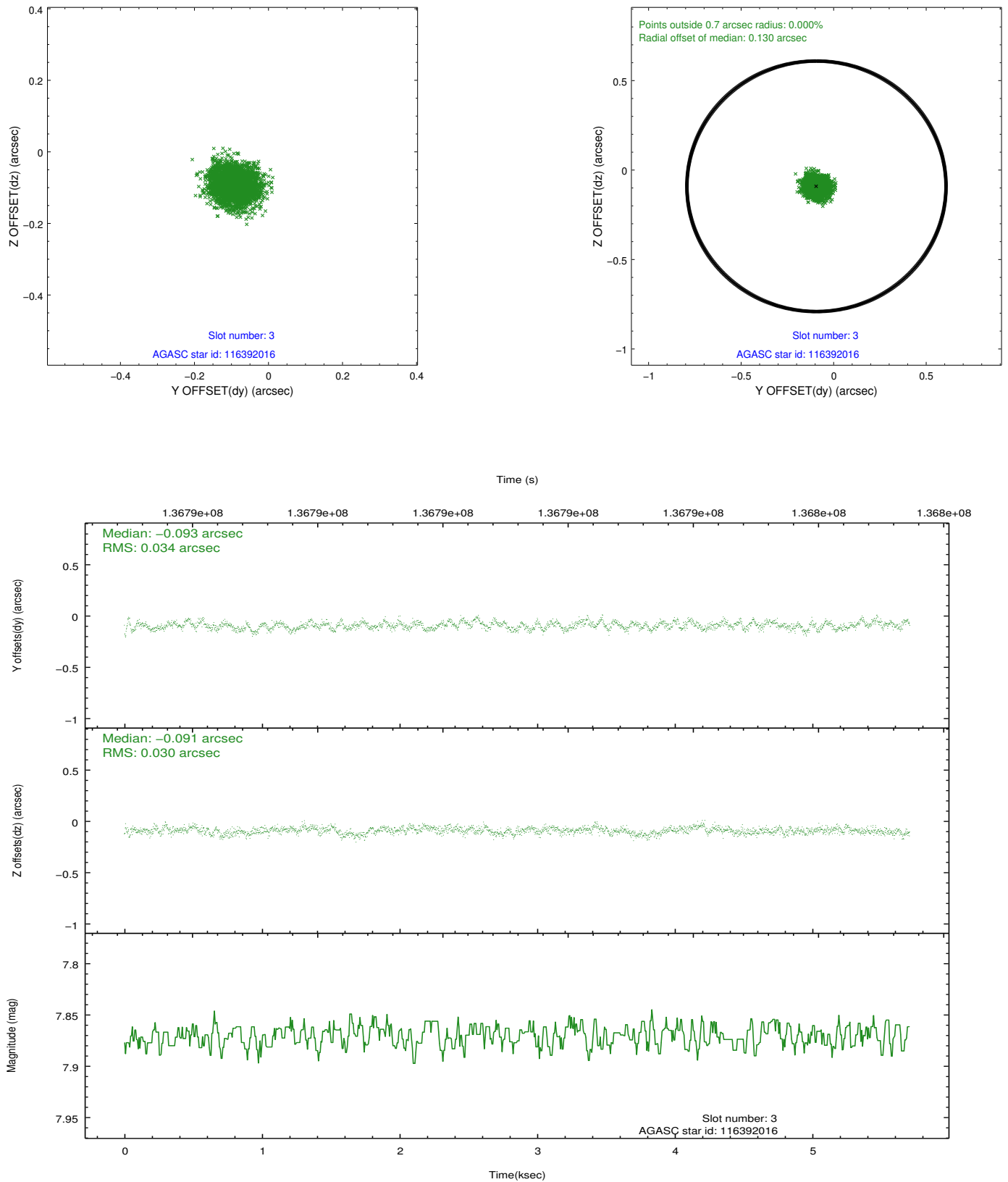


Slot Statistics

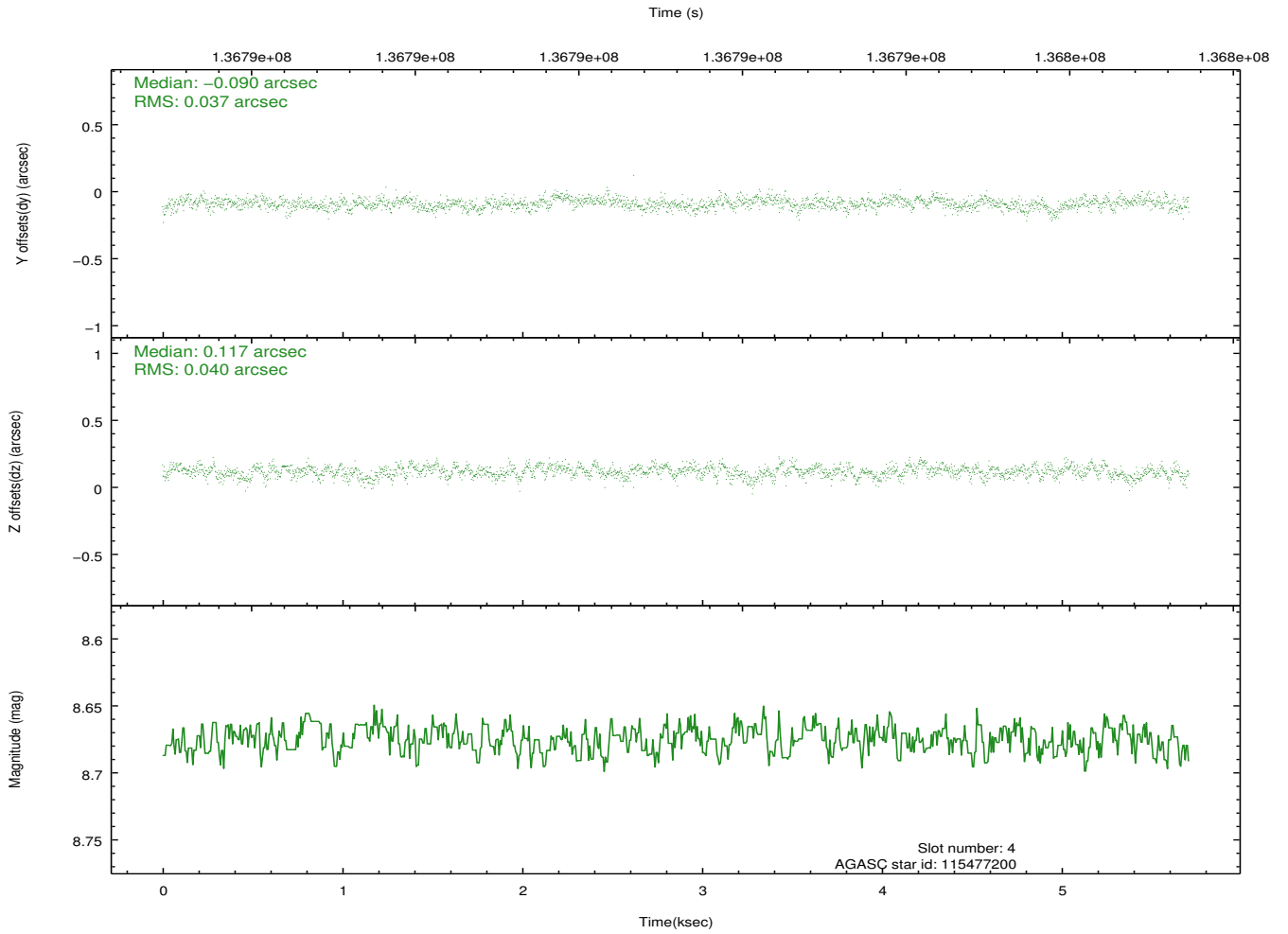
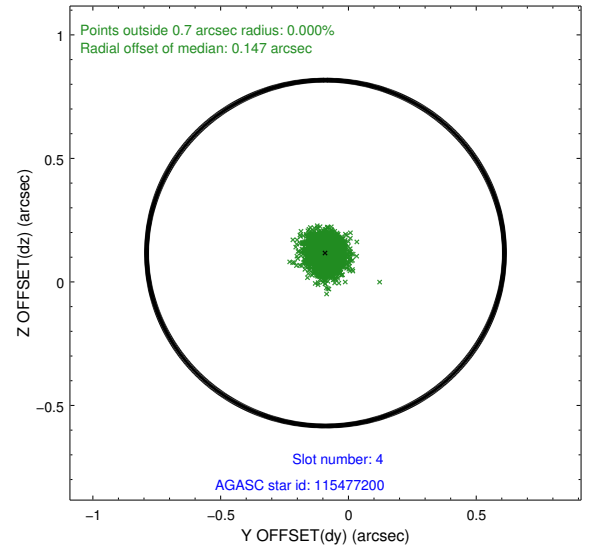
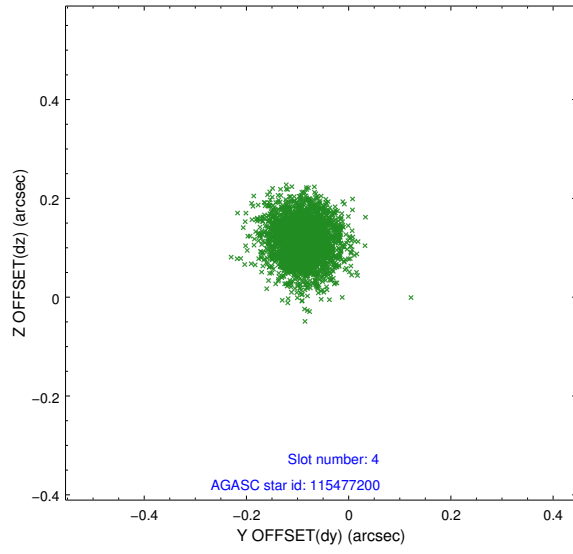
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1391	-0.005	-0.002	0.006	0.013	0.000000	0.000000	-755.47	-1727.85
1	FID	ACIS-S-4	7.20	1392	-0.015	0.000	0.006	0.010	0.000000	0.000000	2157.31	179.58
2	FID	ACIS-S-6	7.35	1392	-0.008	0.009	0.008	0.012	0.000000	0.000000	407.84	818.16
3	GUIDE	116392016	7.87	2785	-0.093	-0.091	0.049	0.077	191.651298	12.964012	-1316.60	2115.54
4	GUIDE	115477200	8.68	2784	-0.090	0.117	0.059	0.095	191.140191	13.348570	-1067.91	-133.96
5	GUIDE	115477424	9.23	2784	0.108	-0.078	0.074	0.124	190.783230	12.743104	1370.89	474.87
6	GUIDE	115477056	9.43	2783	0.013	0.028	0.079	0.128	191.137929	12.866912	186.95	1063.09
7	GUIDE	115084608	9.39	2779	0.062	0.026	0.110	0.179	190.766423	12.472453	2114.75	1108.02

2.4 Star Slots

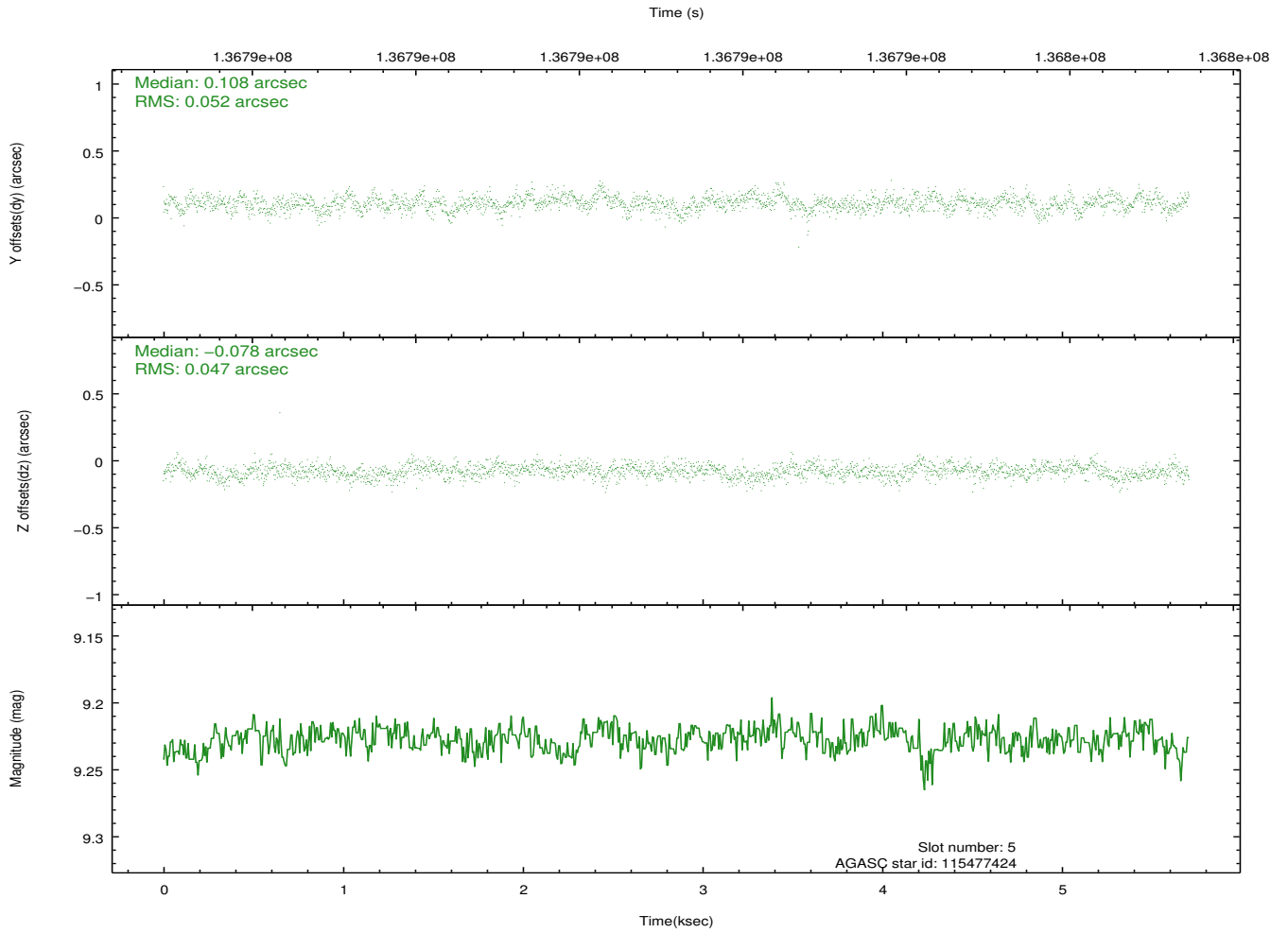
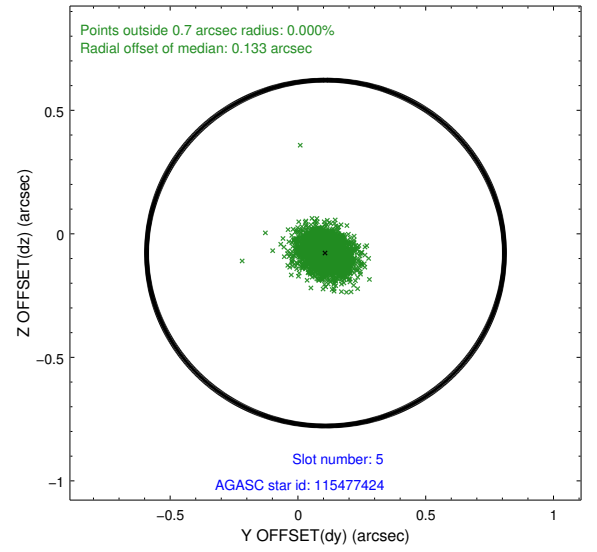
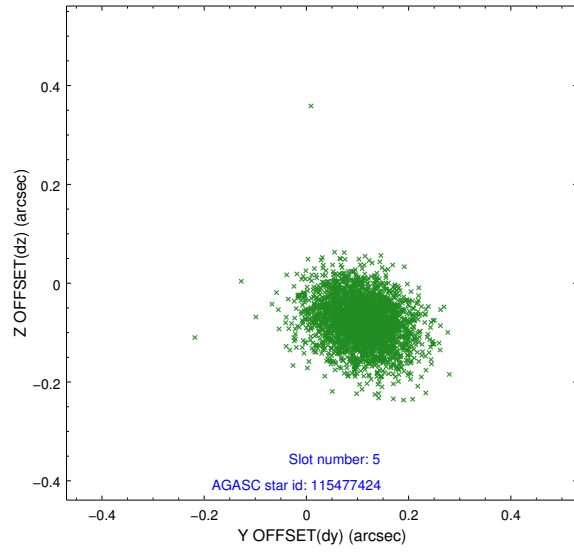
2.4.1 Slot 3



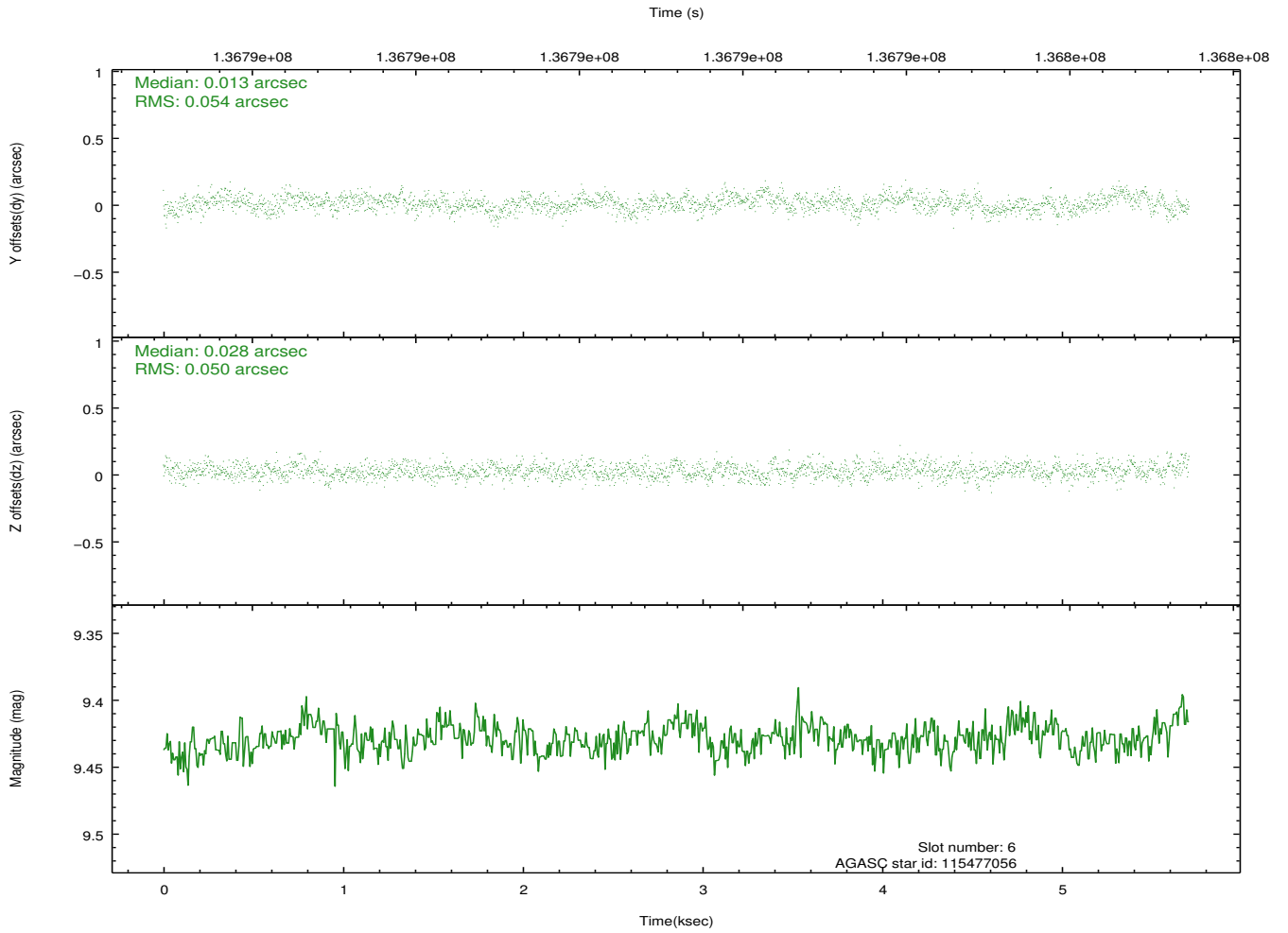
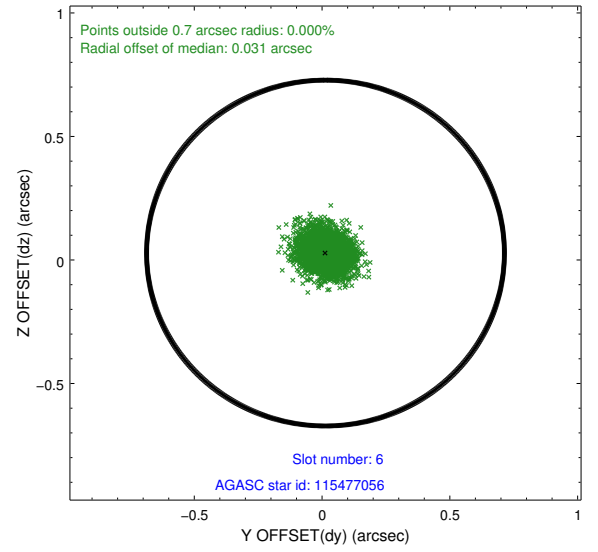
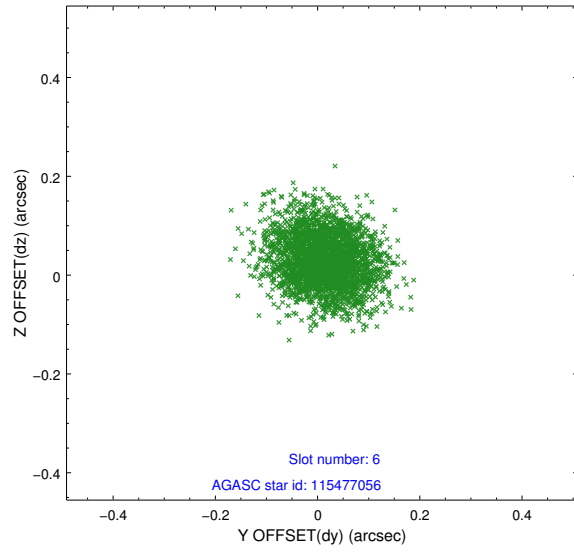
2.4.2 Slot 4



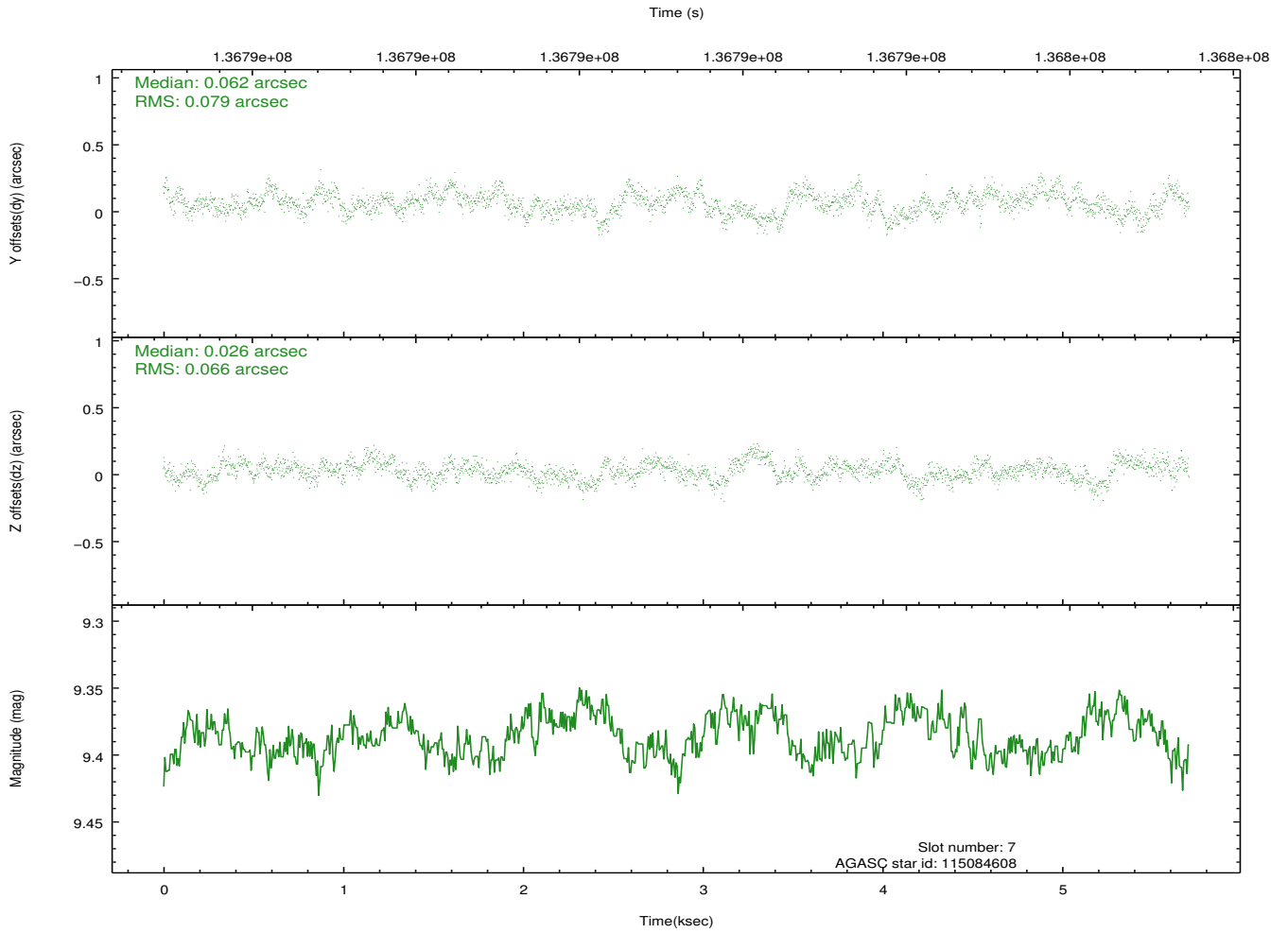
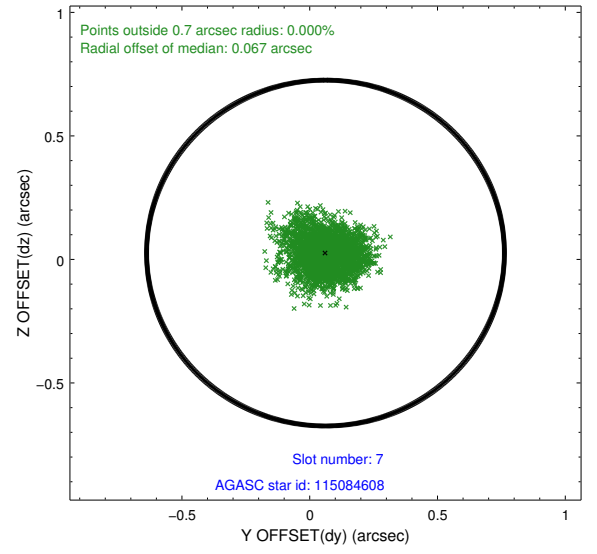
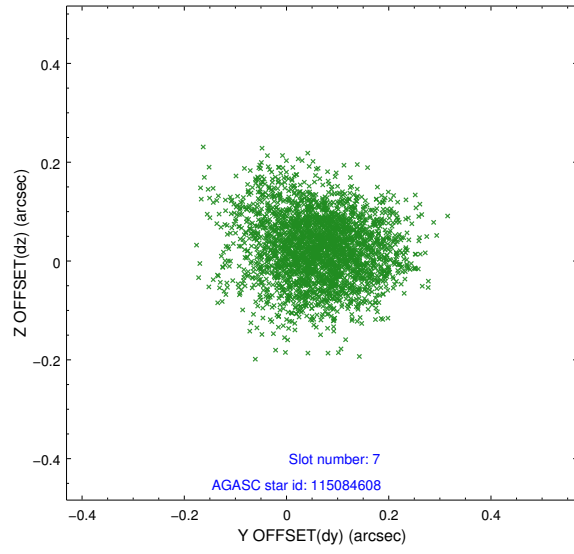
2.4.3 Slot 5



2.4.4 Slot 6

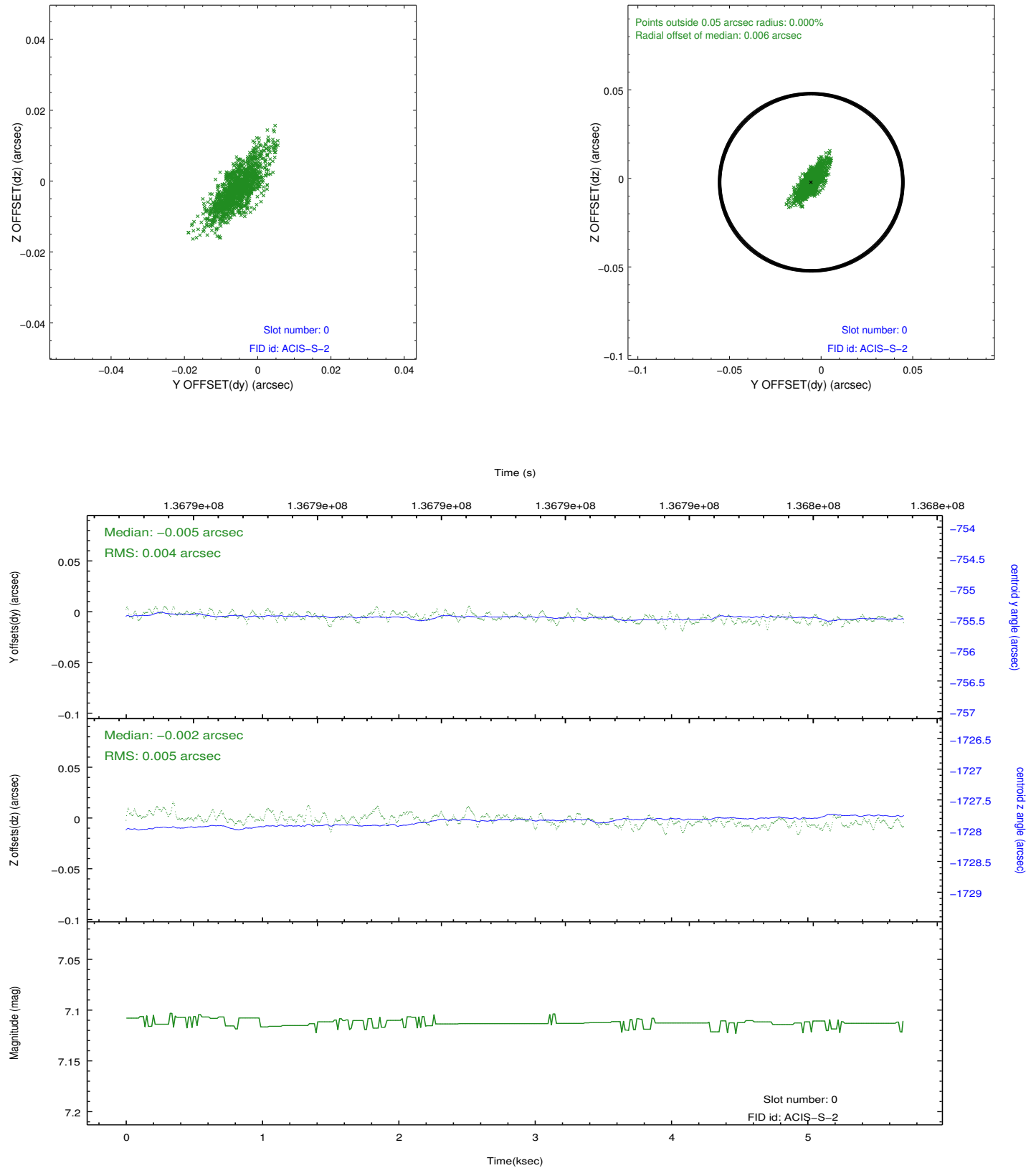


2.4.5 Slot 7

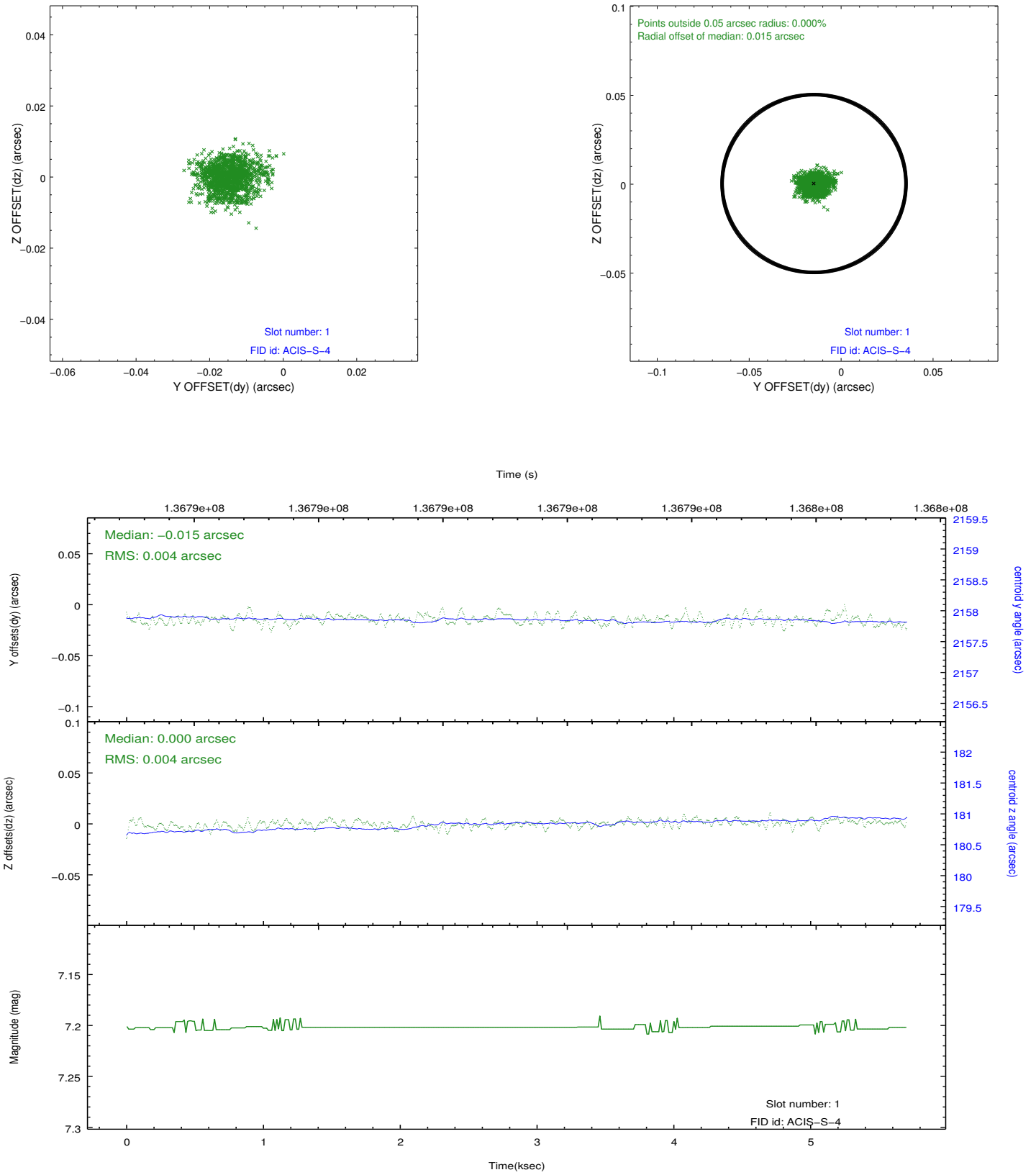


2.5 FID Slots

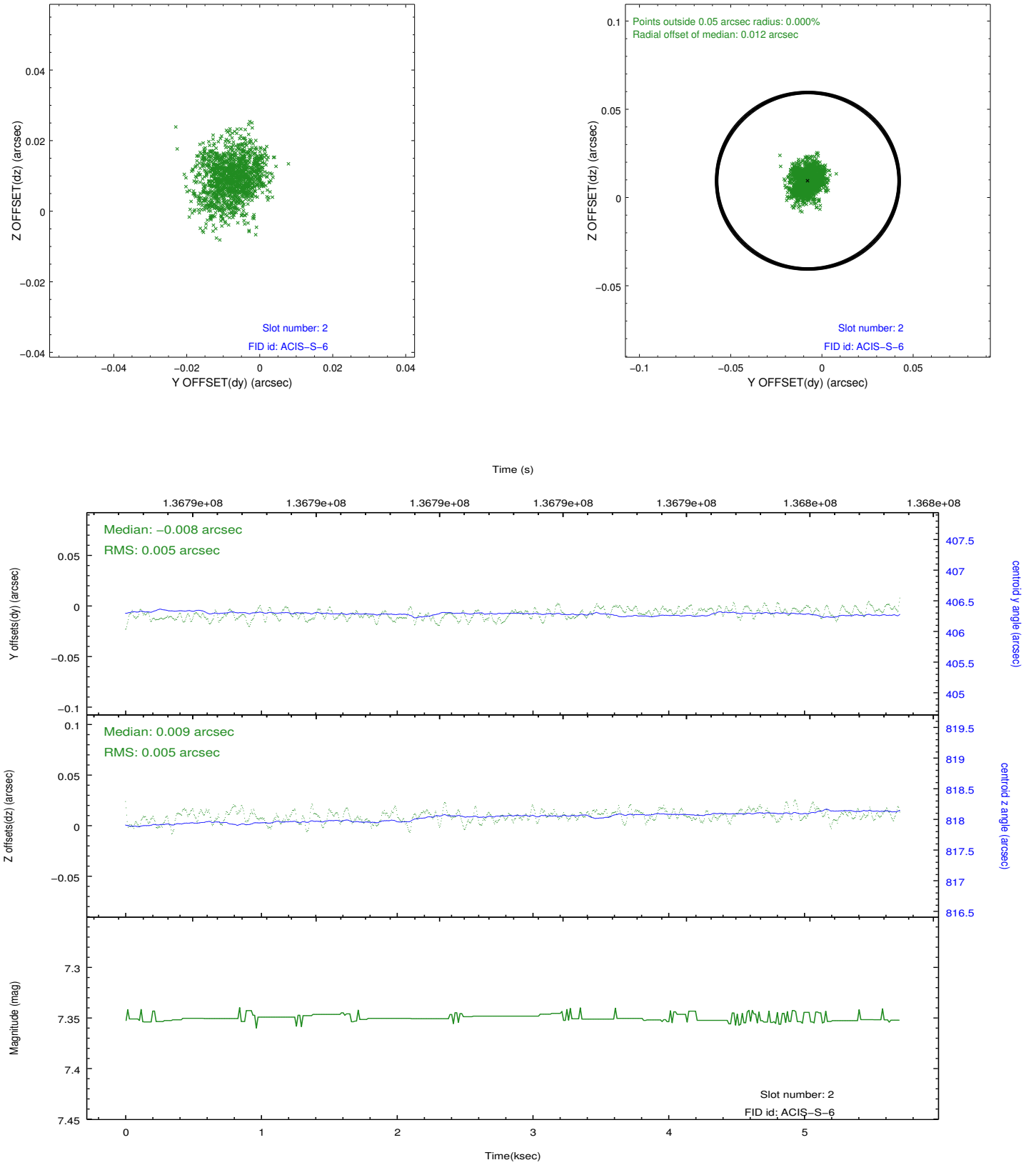
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments

Joint proposal with NOAO.