

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3021 - L2 Version 3
Chandra X-Ray Center

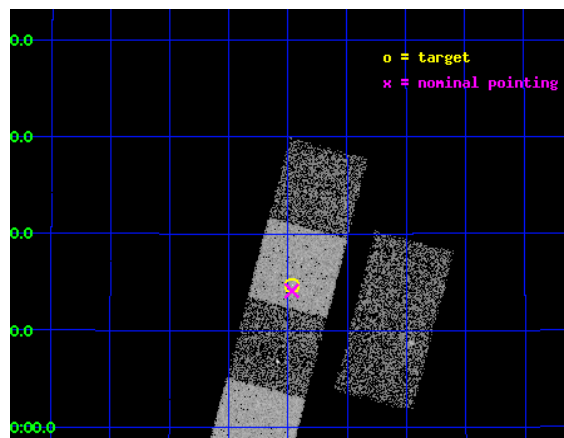
L2 Processing Date : Oct 1 2012

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1 Front

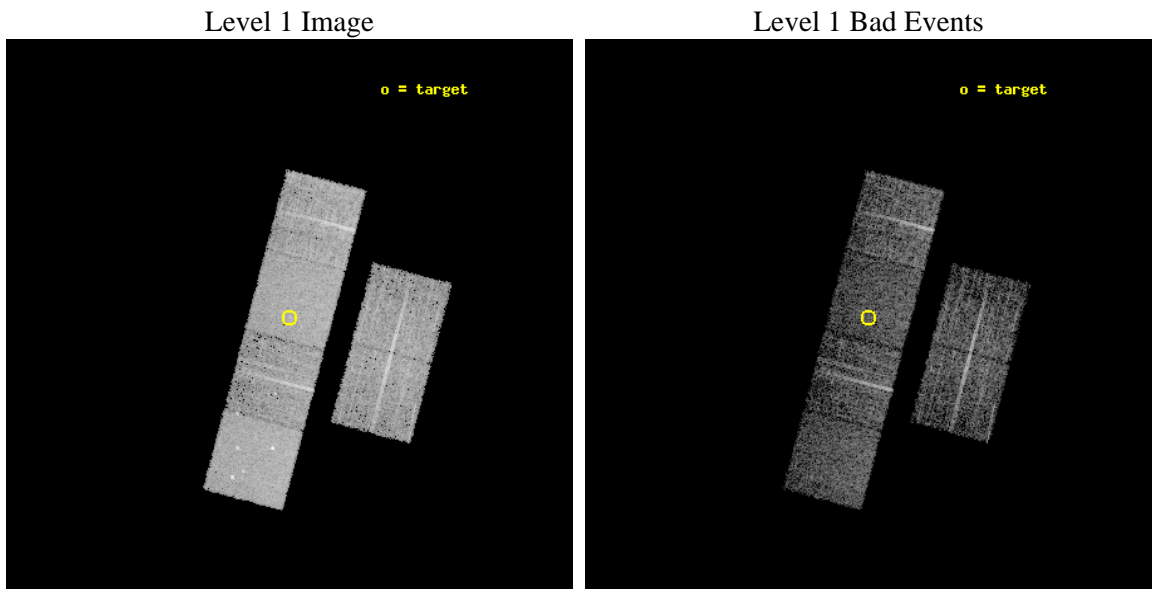
seq_num	700460	Sequence number
obs_id	3021	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	HS0248+3402	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	42.86575	Observer's specified target RA [deg]
dec_targ	34.245028	Observer's specified target Dec [deg]
ra_nom	42.86672926399	Nominal RA [deg]
dec_nom	34.235282321879	Nominal Dec [deg]
roll_nom	284.80025898126	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5041.7200074196	Sum of GTIs [s]
livetime	4977.8787129263	Livetime [s]
ontime2	5041.7610474229	Sum of GTIs [s]
ontime3	5041.5968874246	Sum of GTIs [s]
ontime5	5041.6789674163	Sum of GTIs [s]
ontime6	5041.6379274279	Sum of GTIs [s]
ontime7	5041.7200074196	Sum of GTIs [s]
ontime8	5041.5558474213	Sum of GTIs [s]
l2events	49239	Number of level 2 events



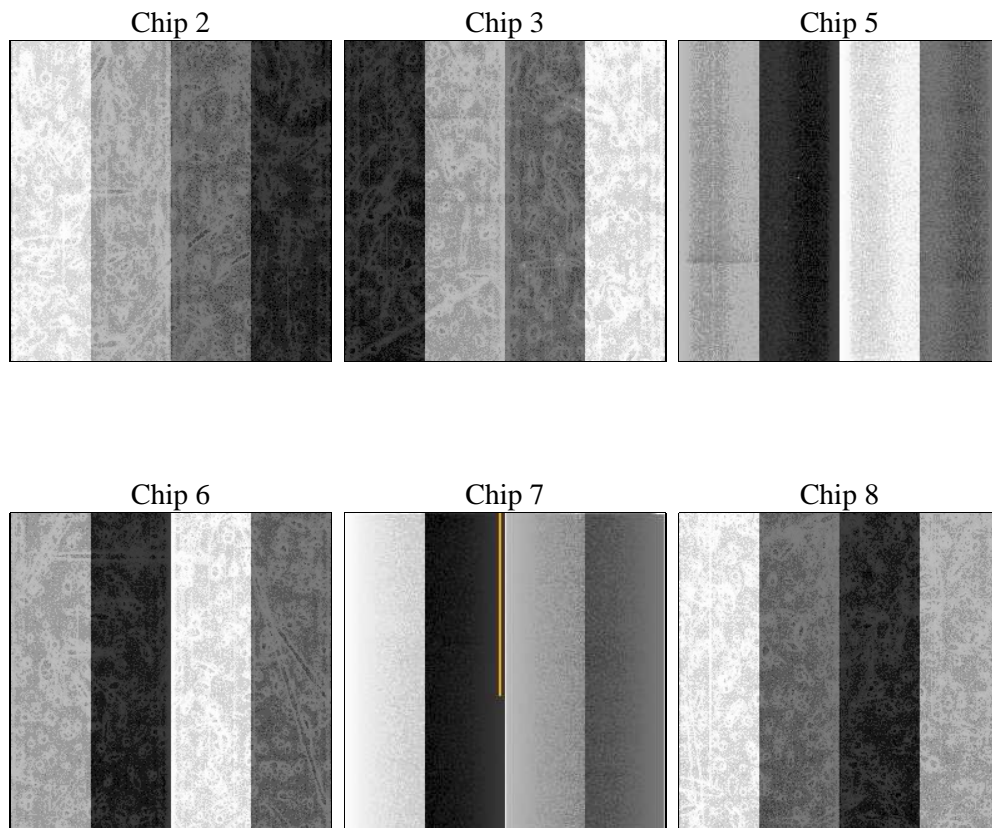
2 OBI

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	5041.7200074196	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5041.7610474229	Sum of GTIs [s]
date	2012-10-01T05:48:53	Date and time of file creation	ontime3	5041.5968874246	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5041.6789674163	Sum of GTIs [s]
			ontime6	5041.6379274279	Sum of GTIs [s]
			ontime7	5041.7200074196	Sum of GTIs [s]
			ontime8	5041.5558474213	Sum of GTIs [s]
			l1events	220019	Number of level 1 events

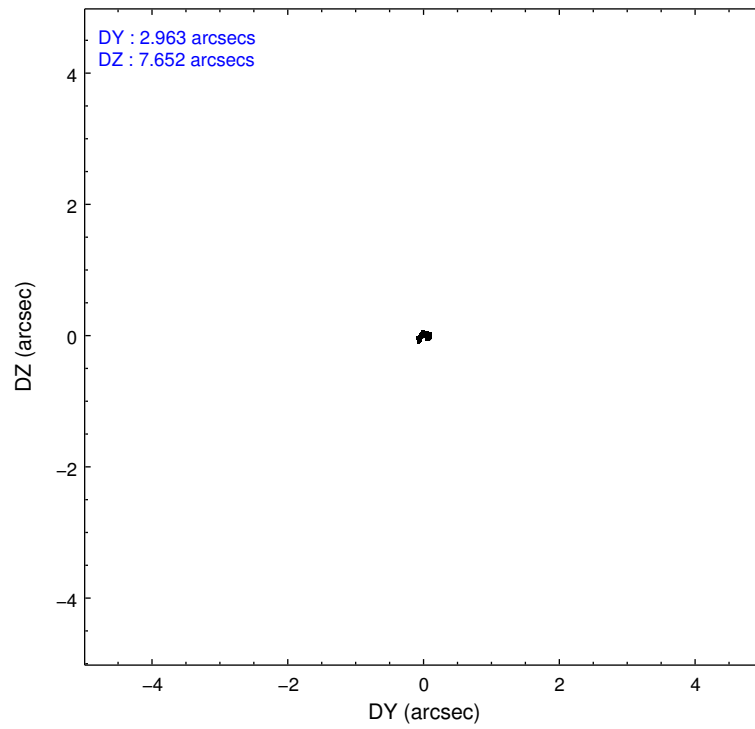
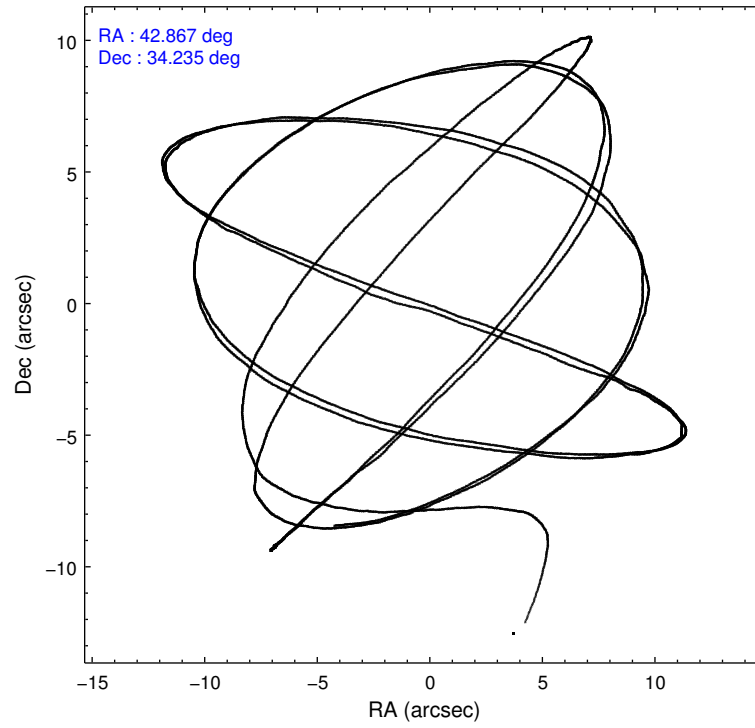
2.1.4 Events

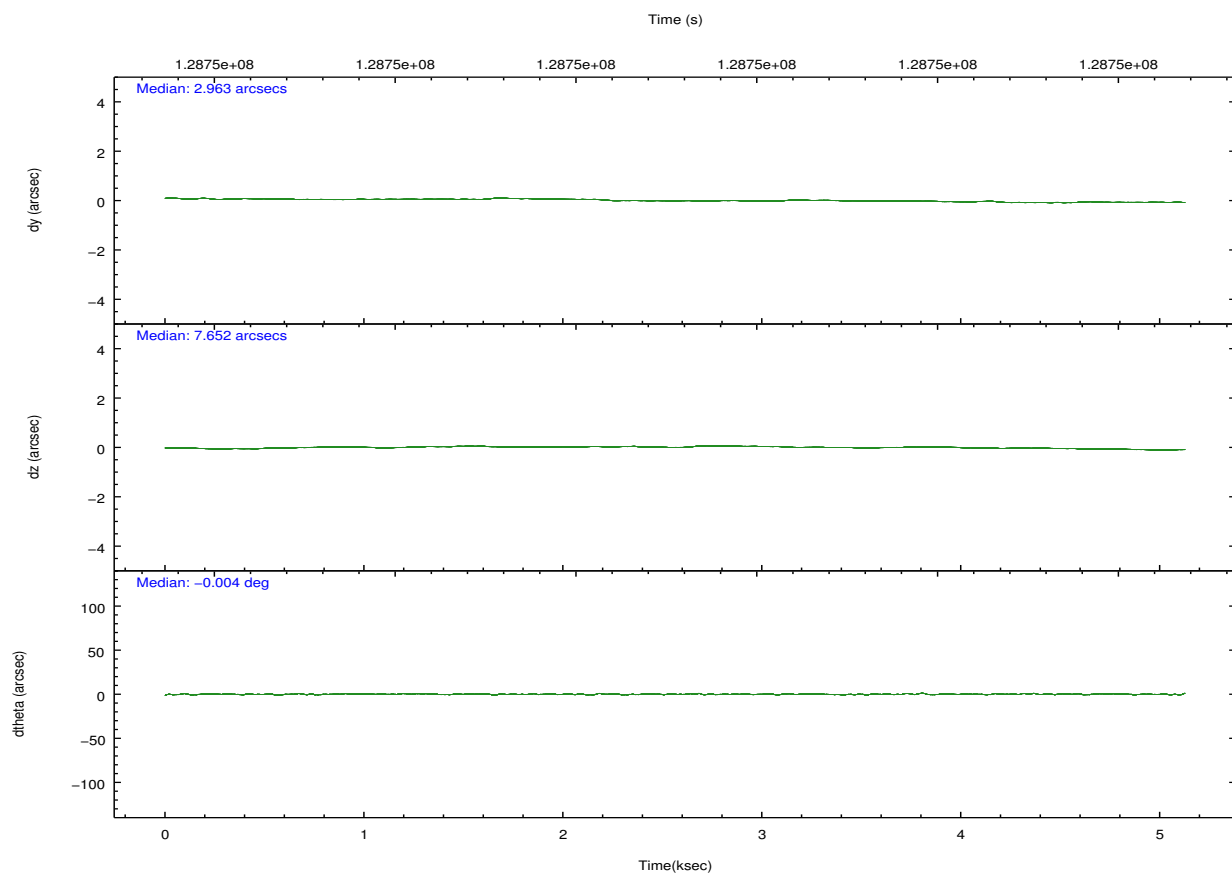
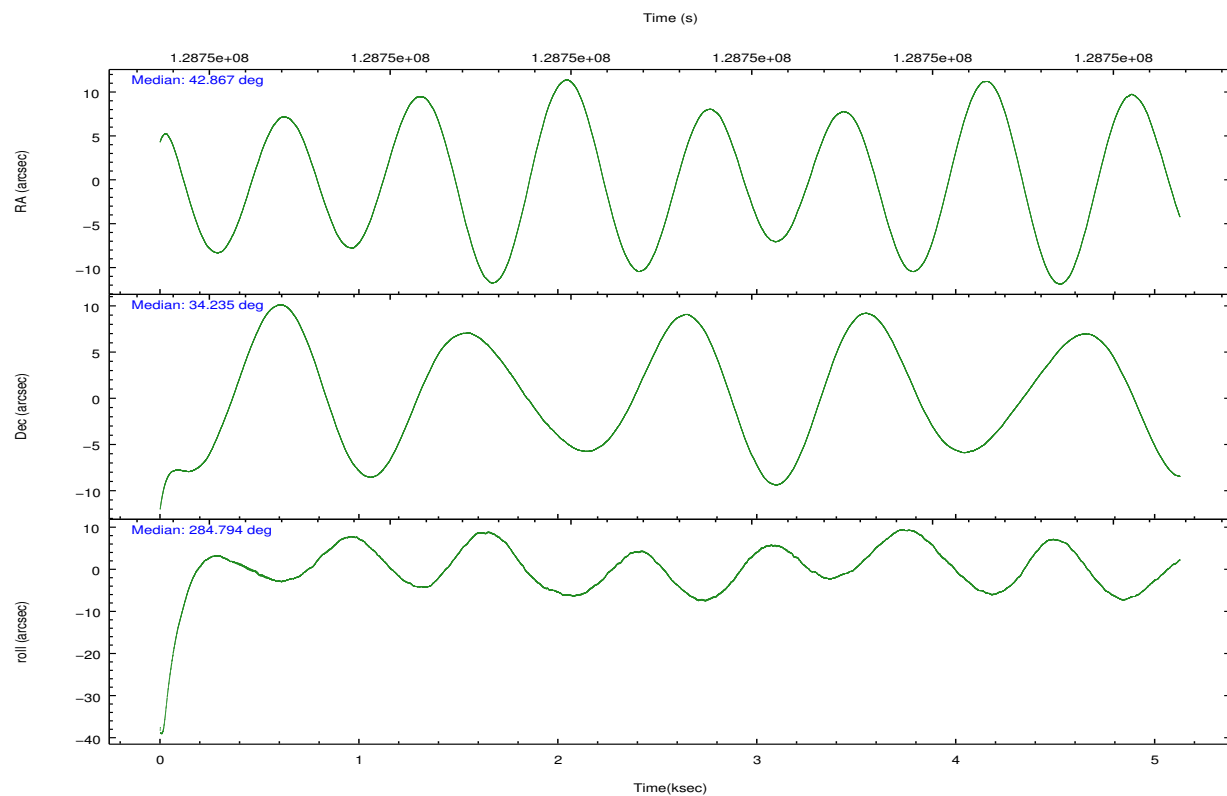
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30891	30364	45639	31013	41477	40635	grade 0 events	1521	1453	3038	1578	1613	2570
rejected events	27206	26815	24142	27189	24219	32532		4%	4%	6%	5%	3%	6%
rejected %	88%	88%	52%	87%	58%	80%	grade 1 events	19	11	88	16	54	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	814	679	6053	809	3343	1779
								2%	2%	13%	2%	8%	4%
							grade 3 events	329	356	889	399	1567	942
								1%	1%	1%	1%	3%	2%
							grade 4 events	333	391	919	327	1584	848
								1%	1%	2%	1%	3%	2%
							grade 5 events	1152	1214	3290	1344	3944	1751
								3%	3%	7%	4%	9%	4%
							grade 6 events	691	674	10611	717	9161	1994
								2%	2%	23%	2%	22%	4%
							grade 7 events	26032	25586	20751	25823	20211	30731
								84%	84%	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	42.843180	42.86672926399018	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.254449	34.23528232187891	Alternating exposures requested	N	N
[deg] Pointing Roll	284.656942	284.8002589812623	[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)	128749112.184000	128747979.11313			
Observation start date	2002-01-30T03:37:28	2002-01-30T03:19:39			
[s] Observation end time (MET)	128754112.184000	128754580.1134			
Observation end date	2002-01-30T05:00:48	2002-01-30T05:09:40			
Read mode	TIMED	TIMED			

2.3 Aspect



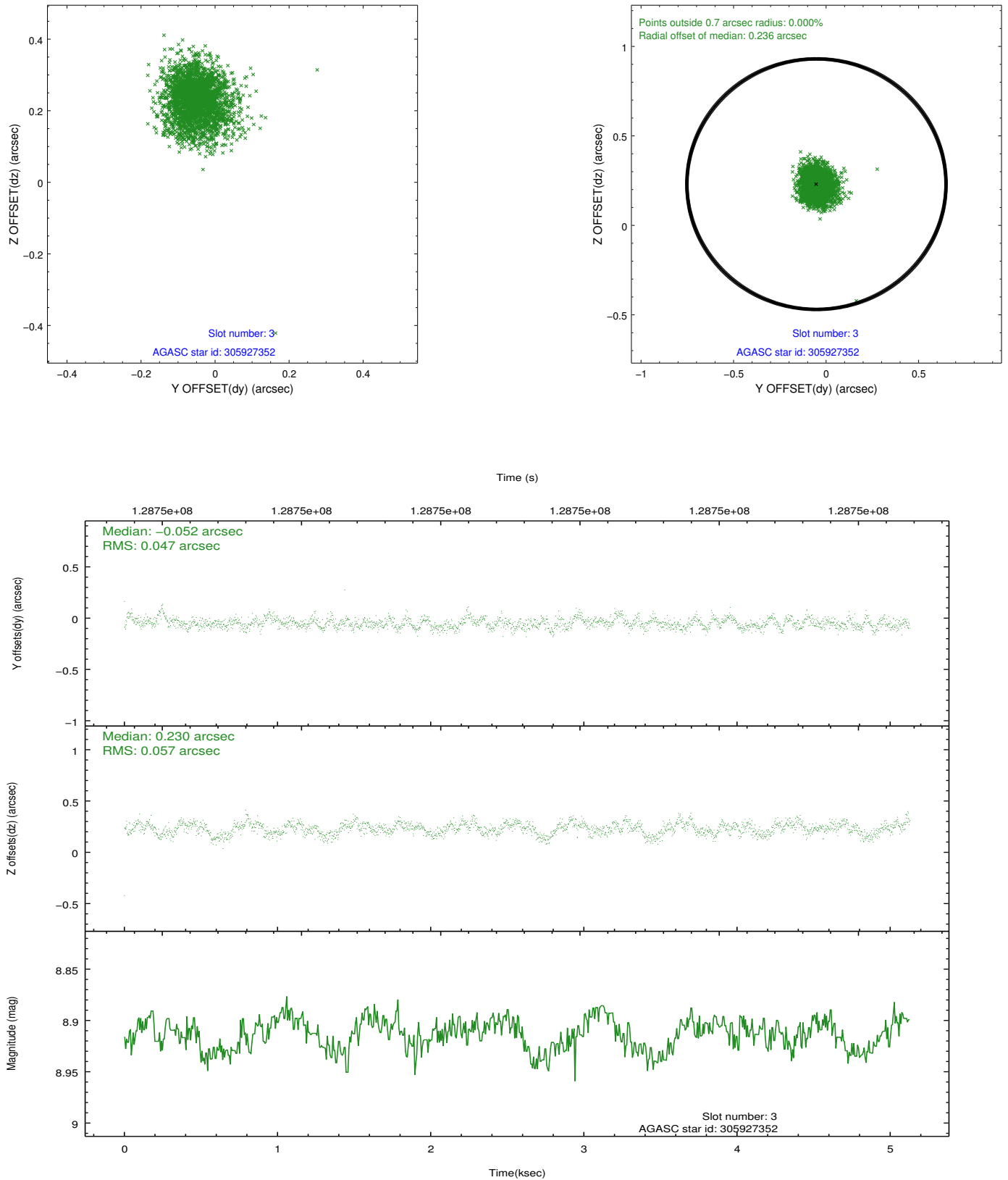


Slot Statistics

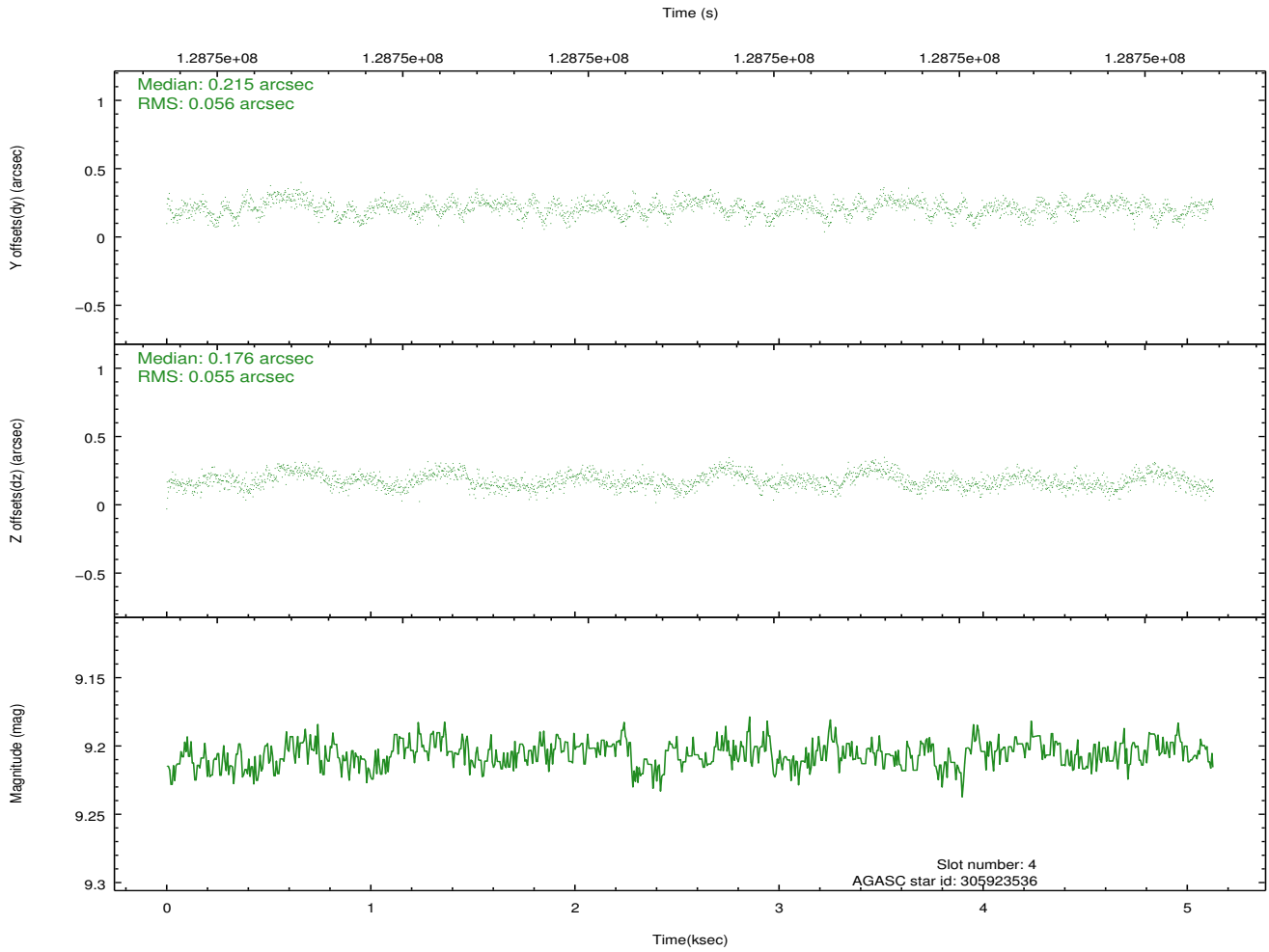
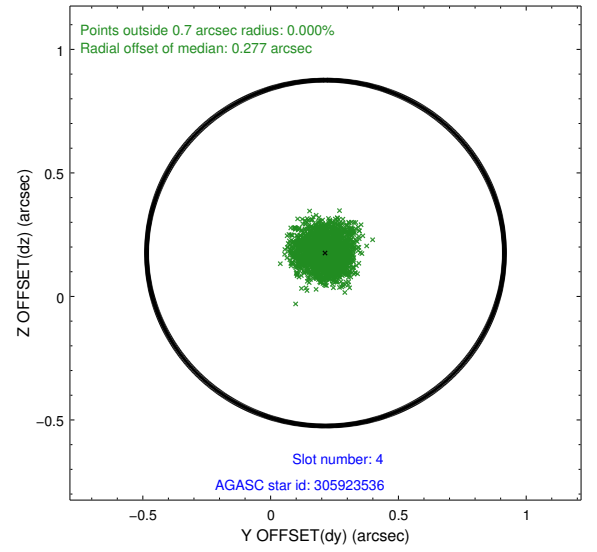
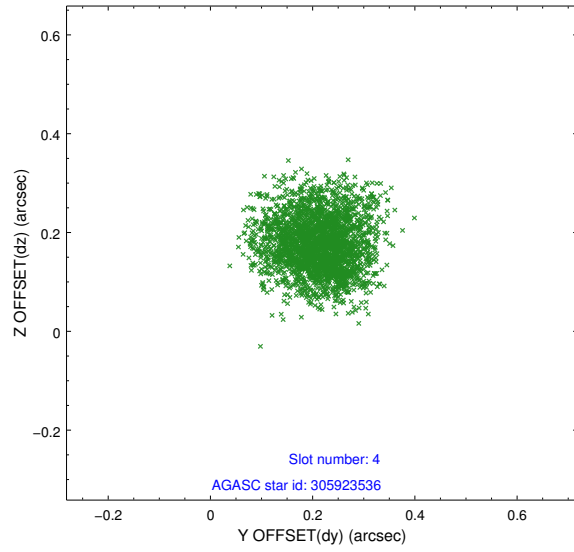
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1251	-0.003	0.003	0.006	0.011	0.000000	0.000000	-755.62	-1728.82
1	FID	ACIS-S-4	7.20	1251	-0.043	0.001	0.006	0.010	0.000000	0.000000	2157.09	178.42
2	FID	ACIS-S-5	7.24	1249	0.015	0.005	0.007	0.011	0.000000	0.000000	-1806.91	173.47
3	GUIDE	305927352	8.91	2502	-0.052	0.230	0.077	0.126	42.757523	34.626838	-1361.14	93.32
4	GUIDE	305923536	9.21	2501	0.215	0.176	0.085	0.135	43.466747	34.044339	1196.65	1609.46
5	GUIDE	305798040	9.22	2502	-0.260	-0.436	0.076	0.124	42.339320	34.510083	-1271.58	-1212.72
6	GUIDE	305801384	9.52	2501	-0.020	0.012	0.088	0.146	42.277056	33.825641	1060.49	-2028.30
7	GUIDE	305273040	9.31	2501	0.117	0.023	0.076	0.121	42.495897	33.675058	1753.92	-1535.04

2.4 Star Slots

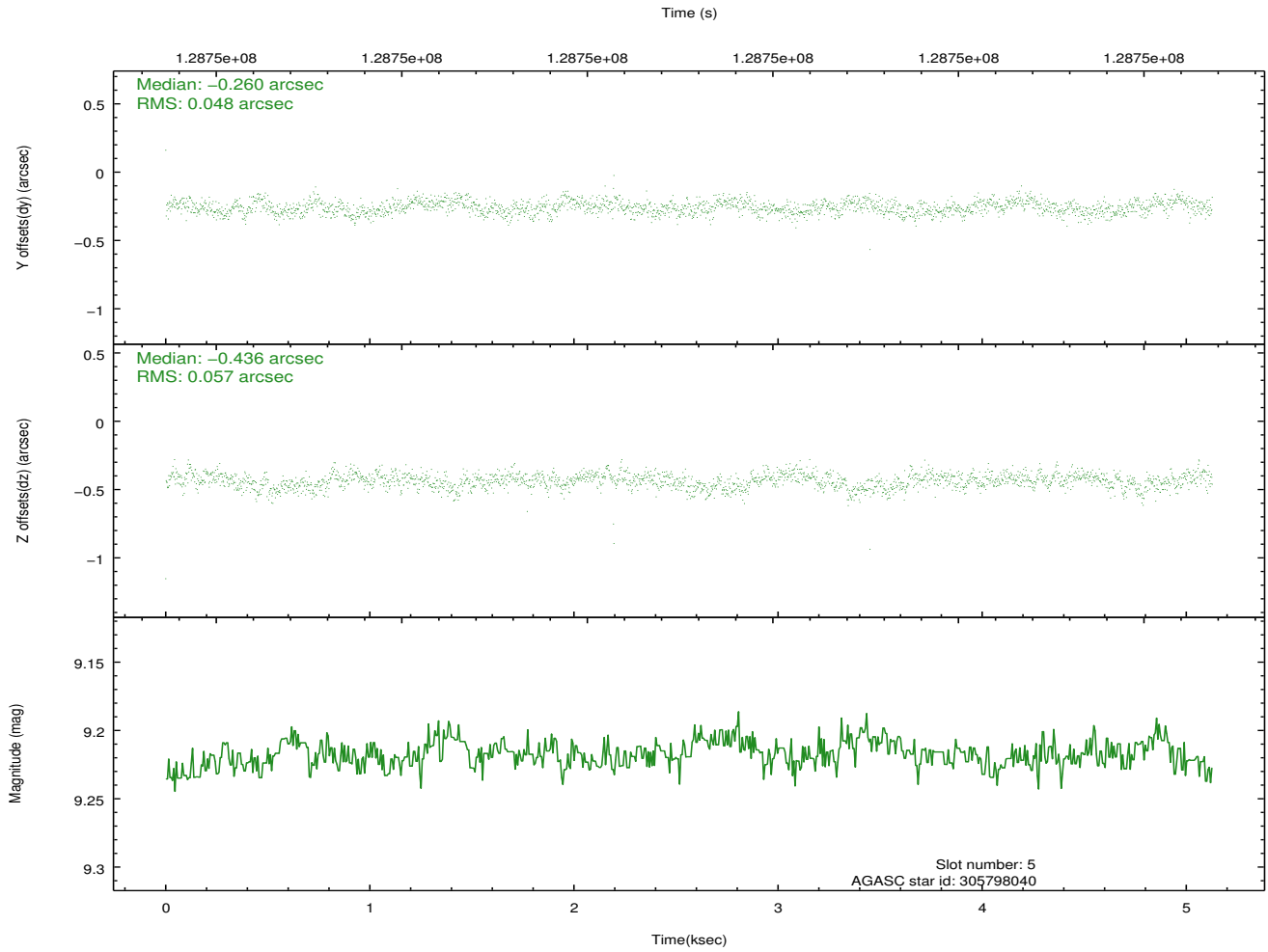
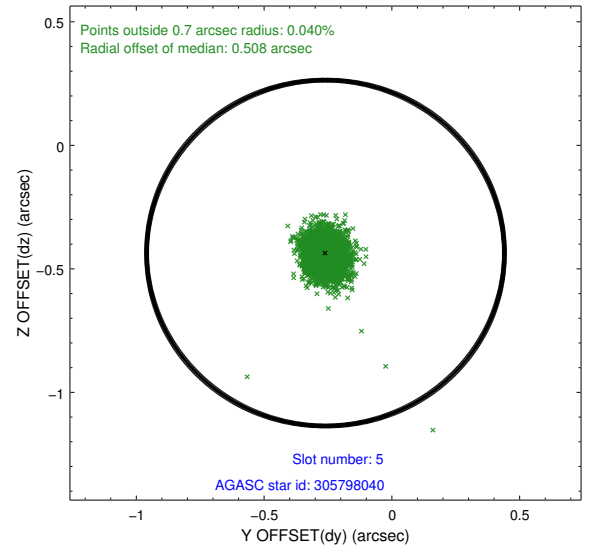
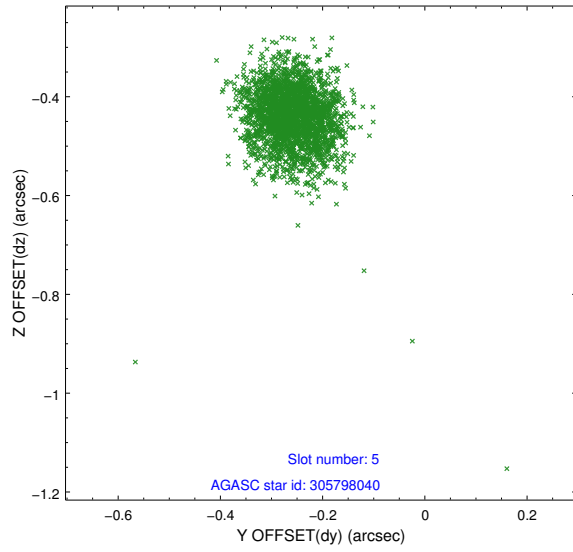
2.4.1 Slot 3



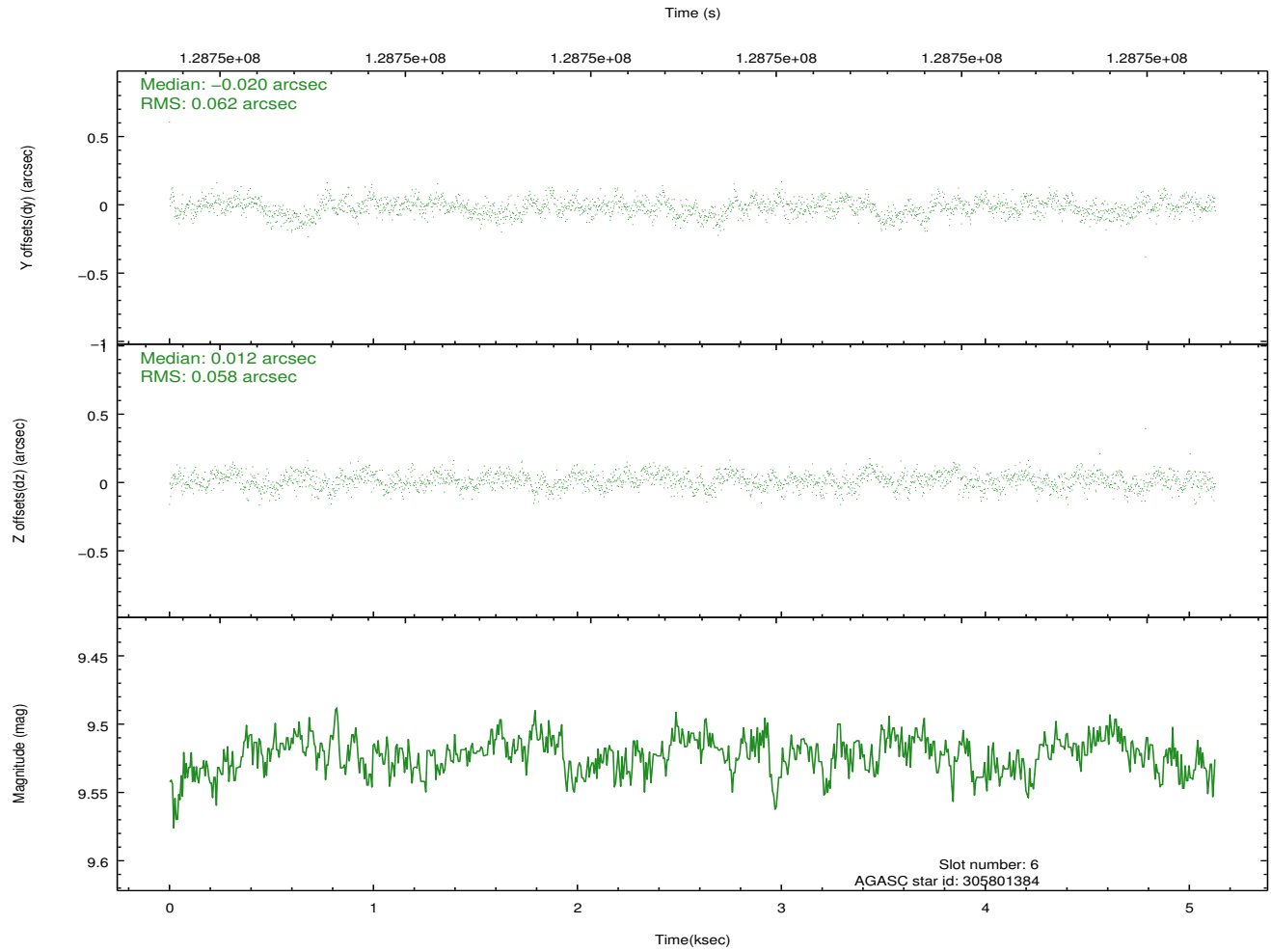
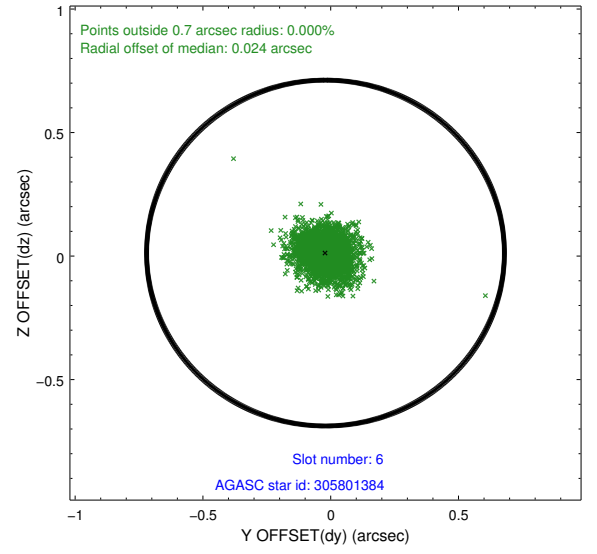
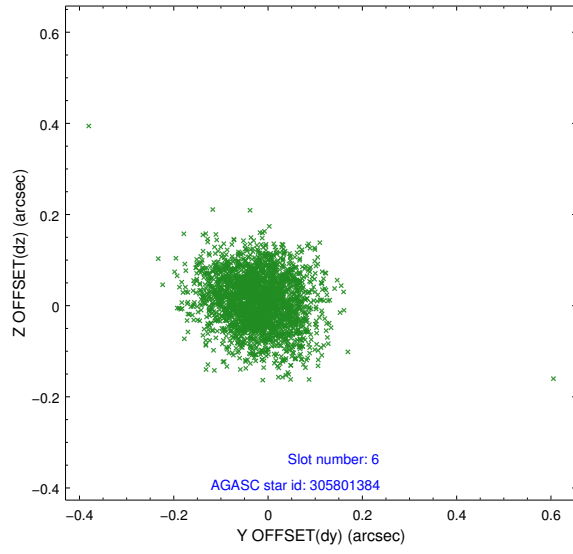
2.4.2 Slot 4



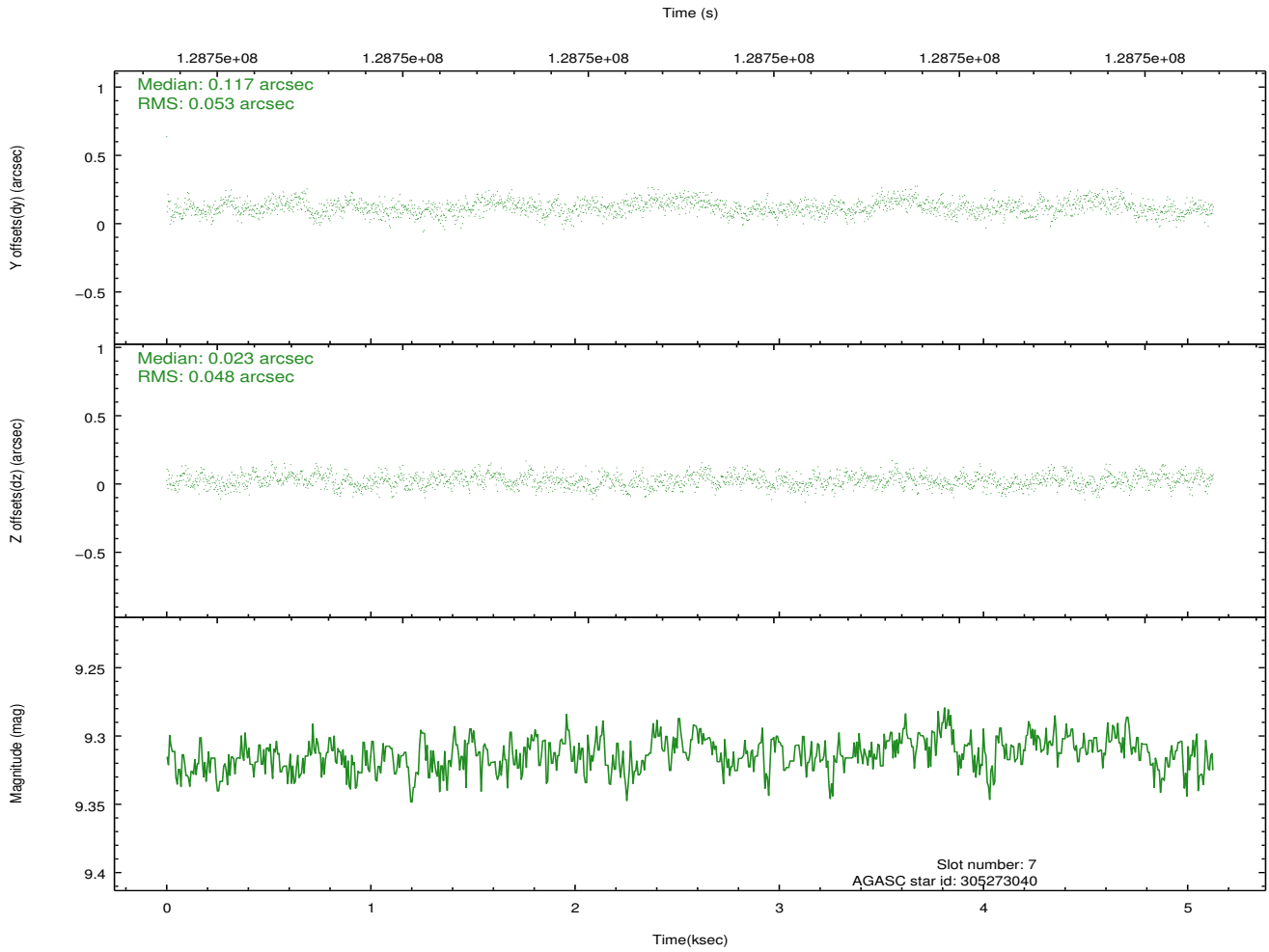
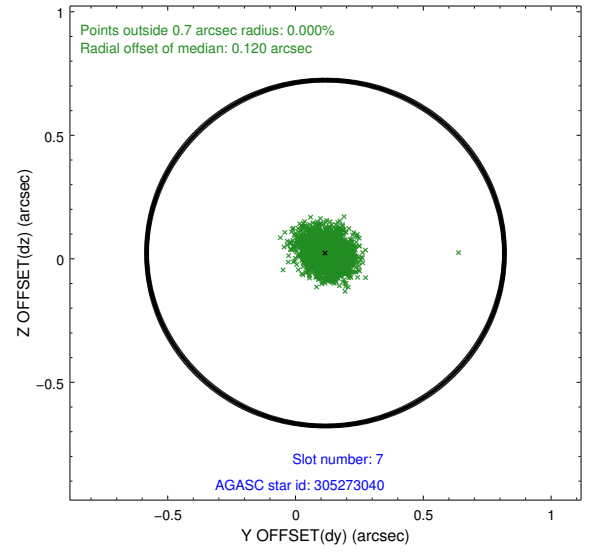
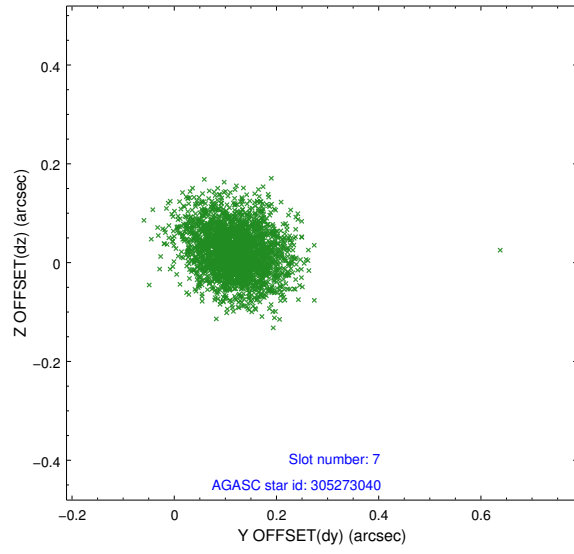
2.4.3 Slot 5



2.4.4 Slot 6

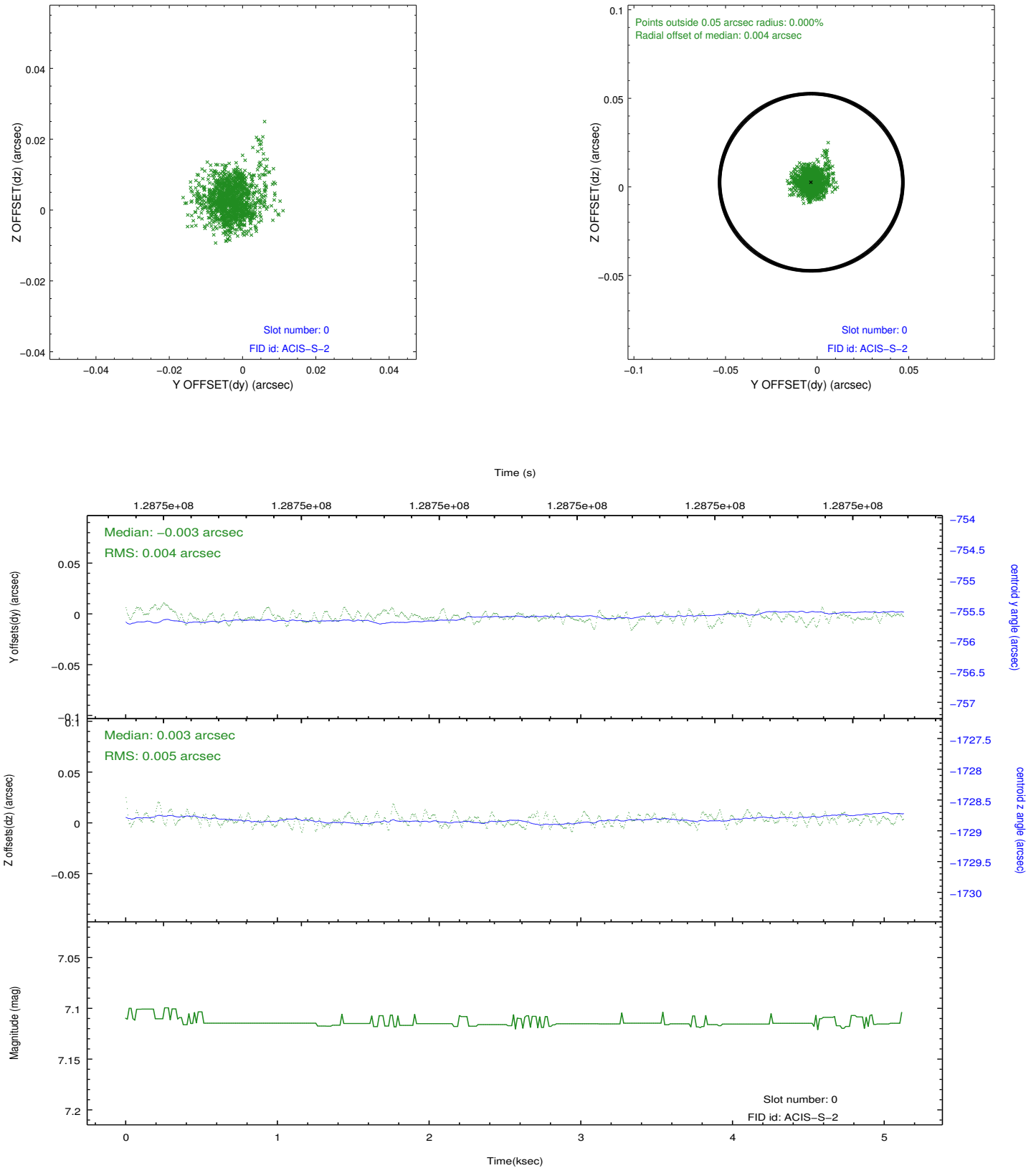


2.4.5 Slot 7

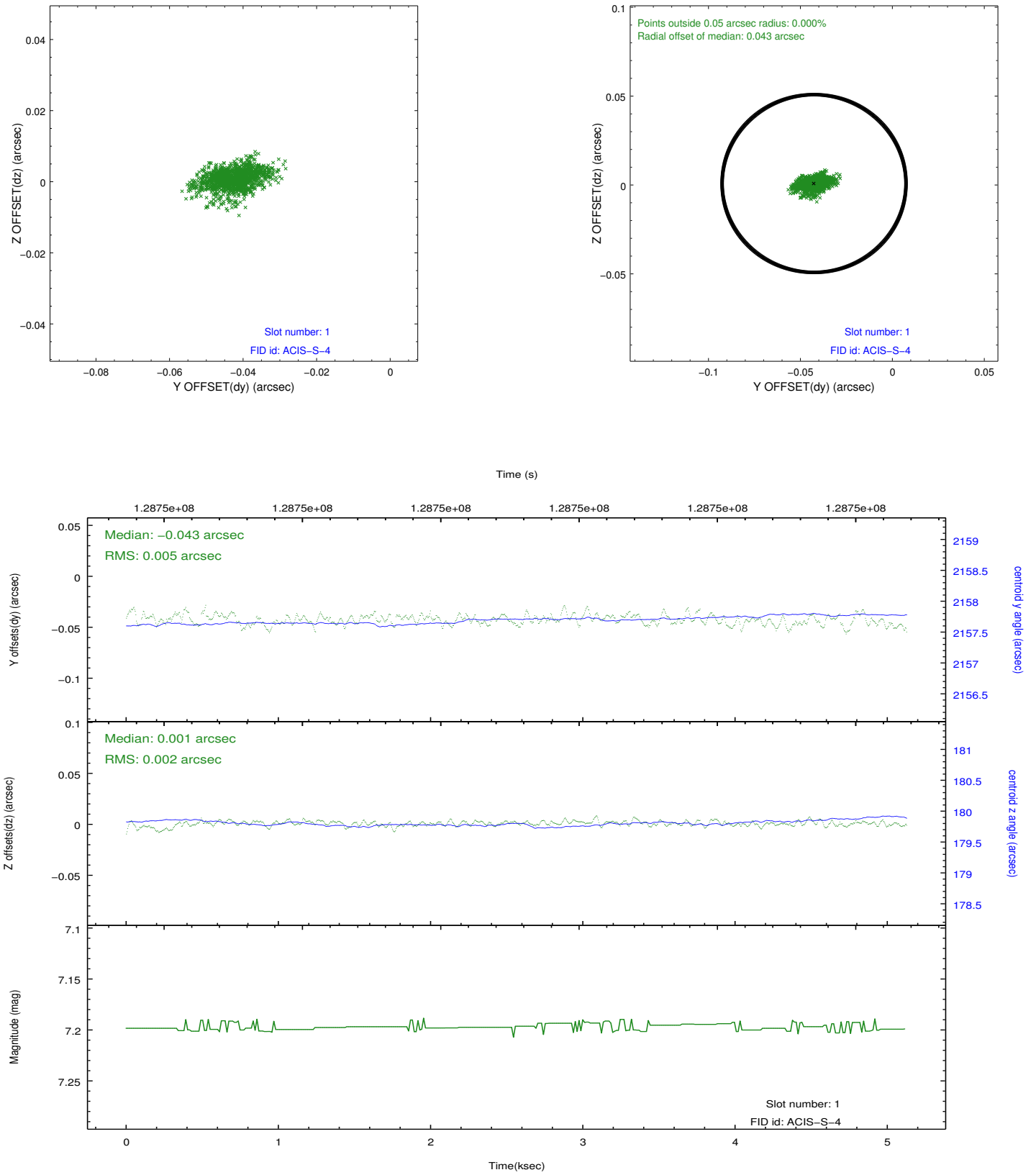


2.5 FID Slots

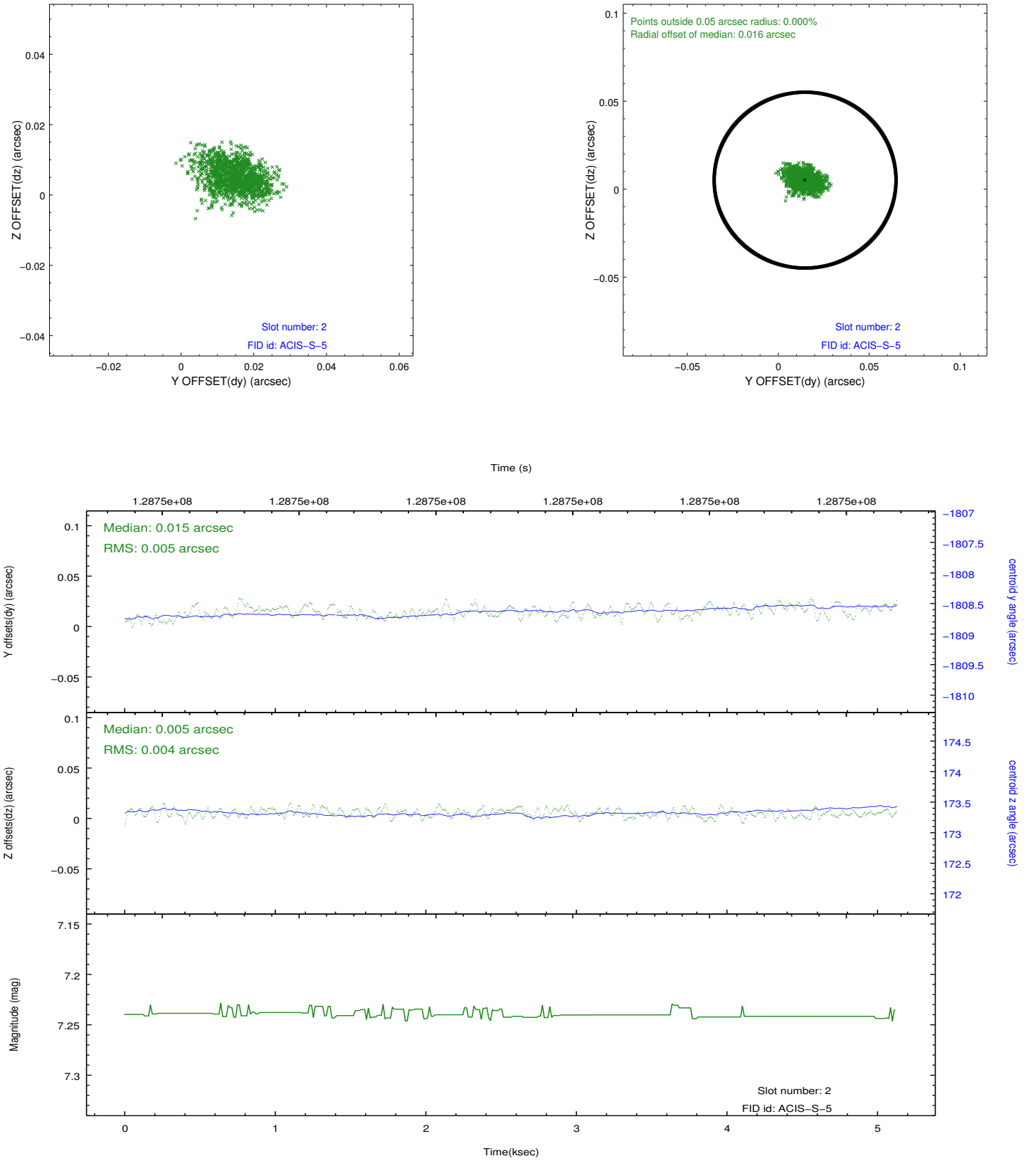
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.043

A.2 Comments