

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2991 - L2 Version 3
Chandra X-Ray Center

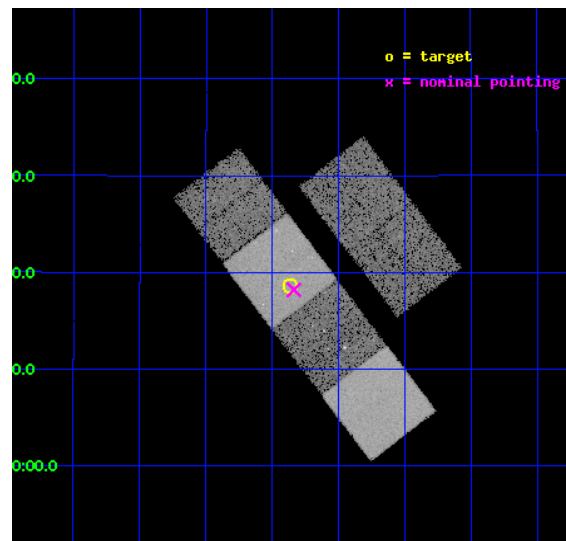
L2 Processing Date : Oct 9 2012

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1 Front

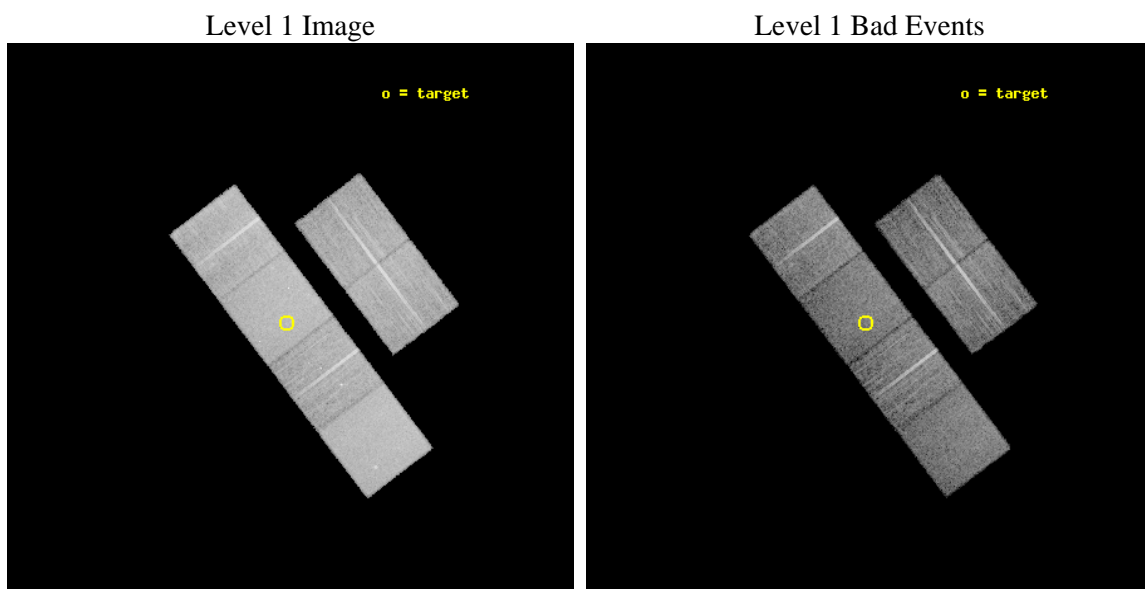
seq_num	700430	Sequence number
obs_id	2991	Observation id
title	CHANDRA OBSERVATIONS OF A POPULATION OF TYPE 2 QUASARS DISCOVERED IN THE DPOSS	Proposal title
observer	PROF. S. DJORGOVSKI	Principal investigator
object	PSS 1338+2218	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.717083	Observer's specified target RA [deg]
dec_targ	22.31	Observer's specified target Dec [deg]
ra_nom	204.70937373044	Nominal RA [deg]
dec_nom	22.303447159827	Nominal Dec [deg]
roll_nom	232.72574540194	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14459.954470366	Sum of GTIs [s]
livetime	14276.853820123	Livetime [s]
ontime2	14459.99551037	Sum of GTIs [s]
ontime3	14459.831350356	Sum of GTIs [s]
ontime5	14459.913430363	Sum of GTIs [s]
ontime6	14459.87239036	Sum of GTIs [s]
ontime7	14459.954470366	Sum of GTIs [s]
ontime8	14459.790310383	Sum of GTIs [s]
l2events	145318	Number of level 2 events



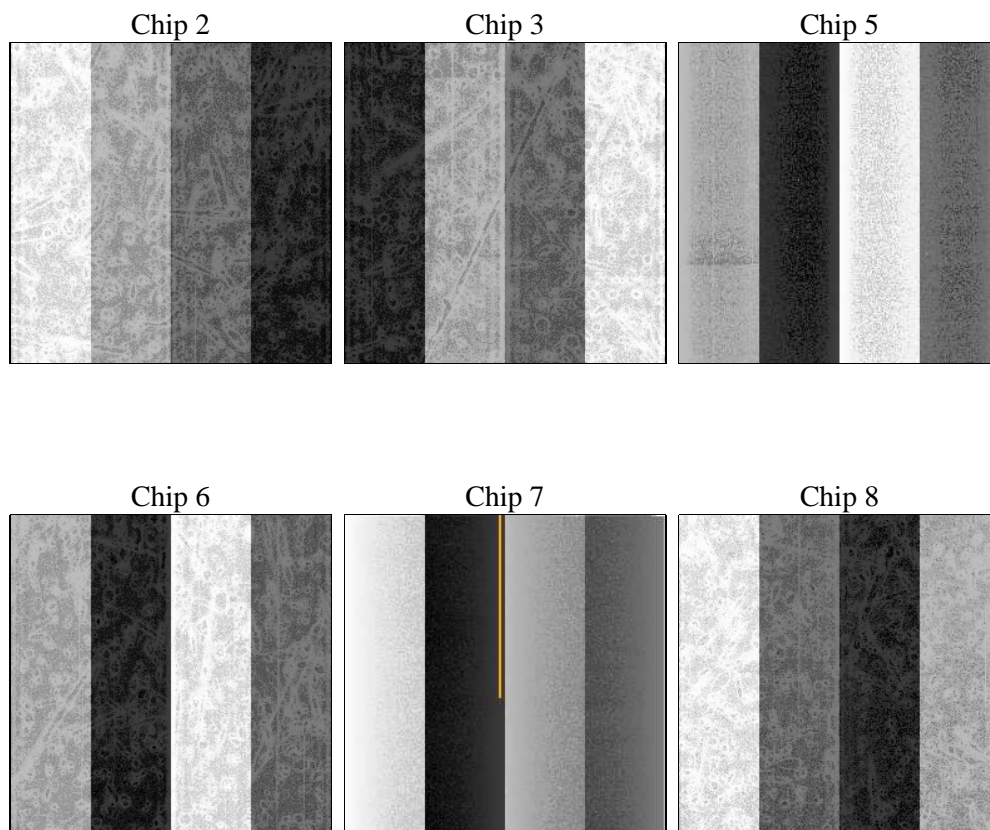
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	14459.954470366	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	14459.99551037	Sum of GTIs [s]
date	2012-10-09T04:06:54	Date and time of file creation	ontime3	14459.831350356	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14459.913430363	Sum of GTIs [s]
			ontime6	14459.87239036	Sum of GTIs [s]
			ontime7	14459.954470366	Sum of GTIs [s]
			ontime8	14459.790310383	Sum of GTIs [s]
			l1events	646279	Number of level 1 events

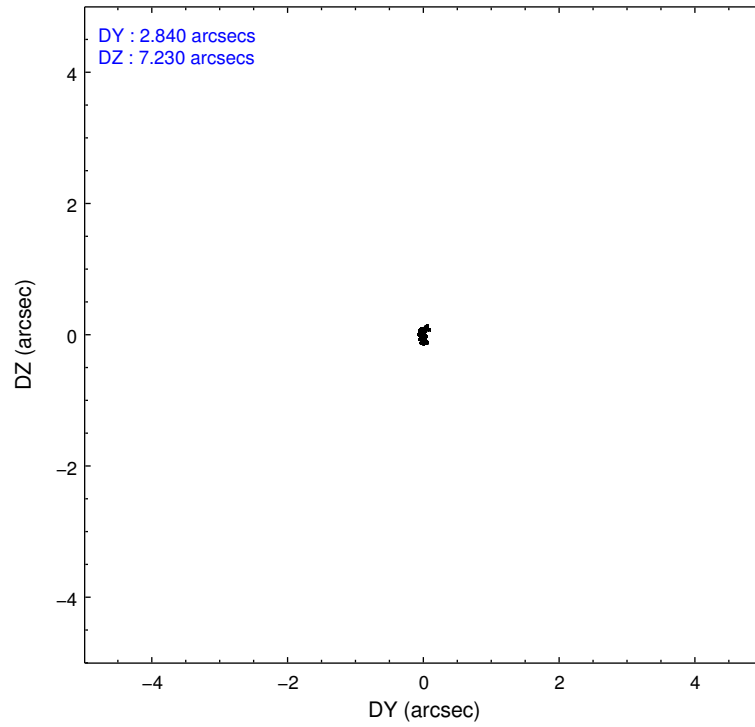
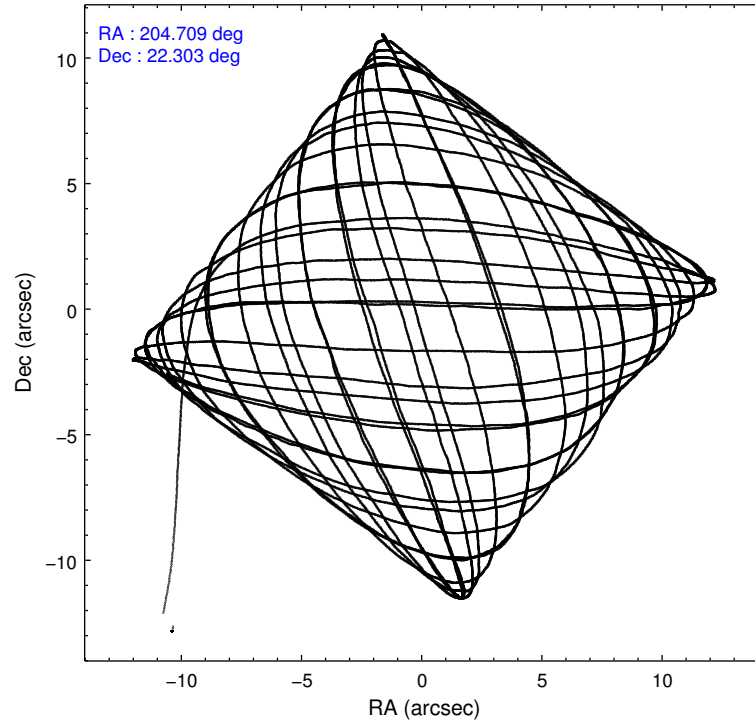
2.1.4 Events

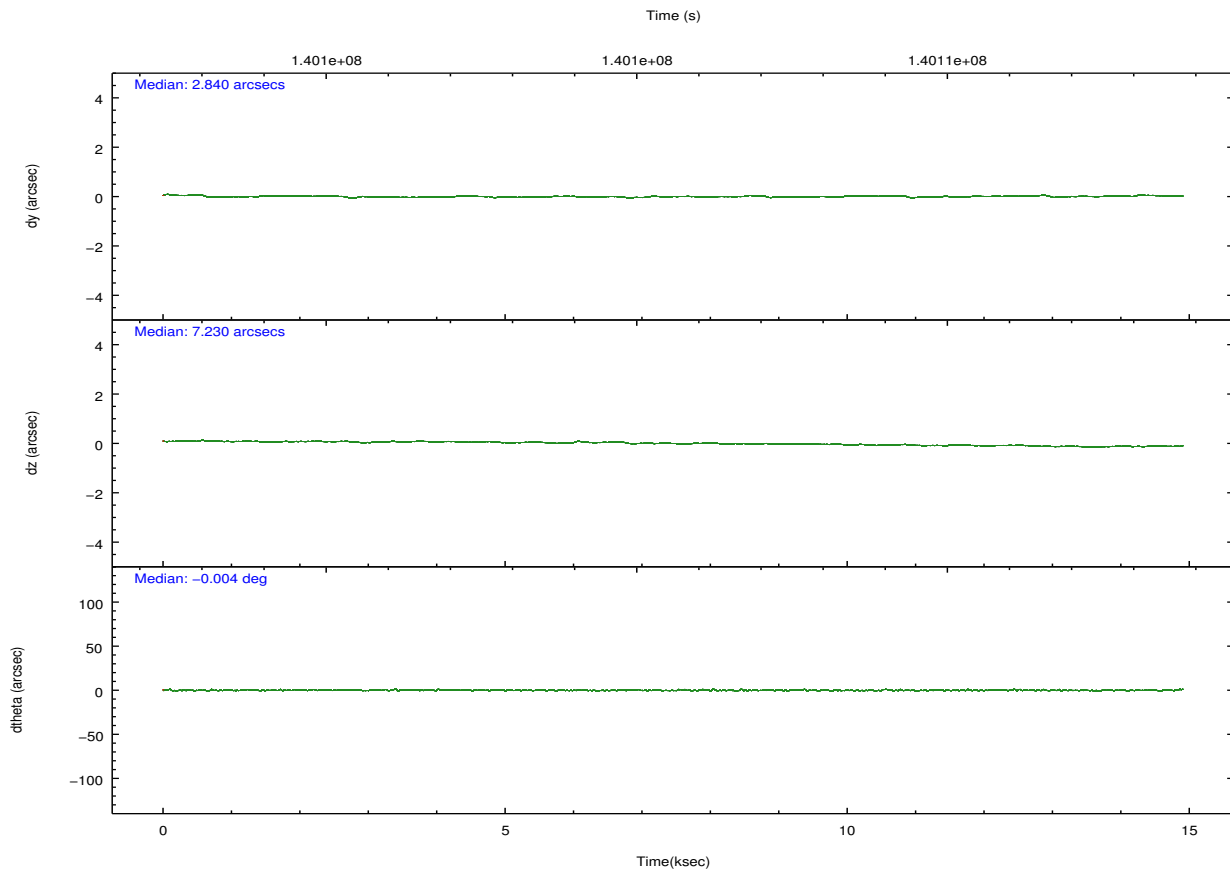
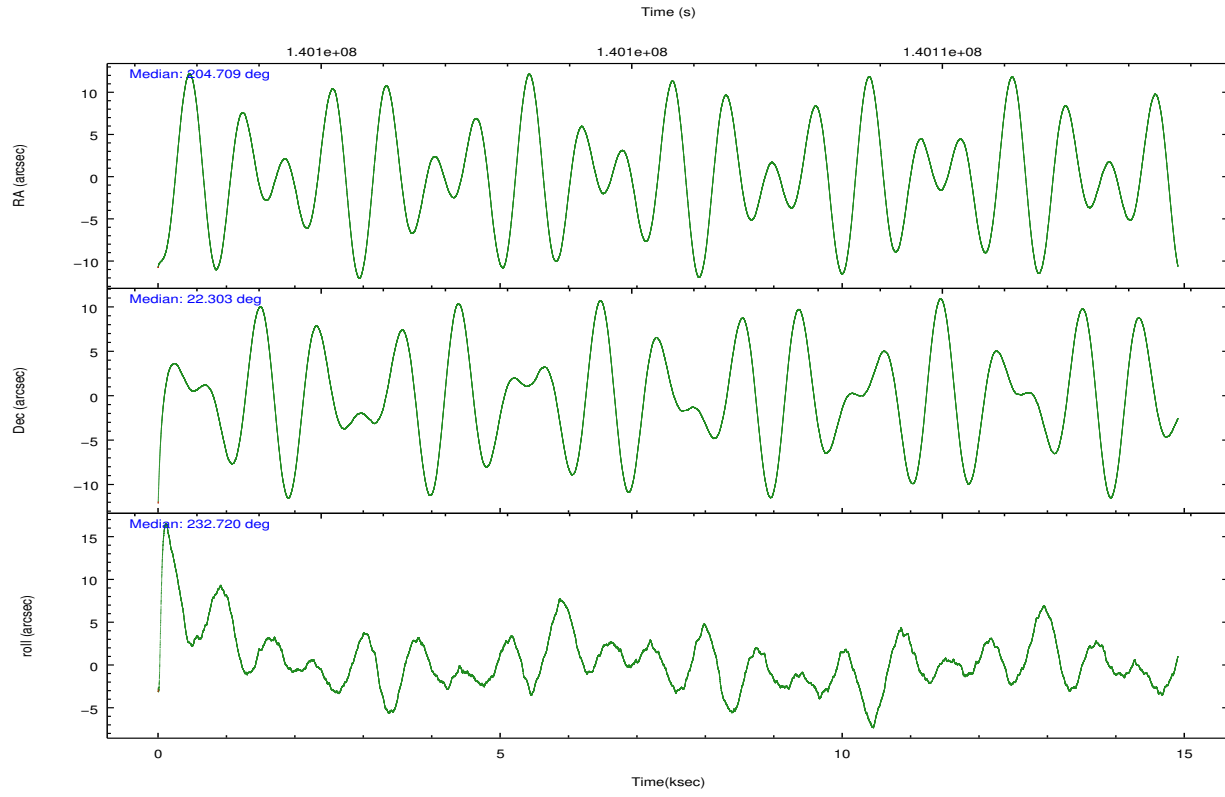
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	96104	88352	129927	92482	121783	117631	grade 0 events	4464	4342	4192	5029	5111	7564
rejected events	85507	77948	71879	80956	70562	93339		4%	4%	3%	5%	4%	6%
rejected %	88%	88%	55%	87%	57%	79%	grade 1 events	43	42	155	50	114	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	2310	2084	17443	2231	10198	5187
								2%	2%	13%	2%	8%	4%
							grade 3 events	989	1001	2530	1070	4535	2788
								1%	1%	1%	1%	3%	2%
							grade 4 events	987	1009	2321	1025	4553	2565
								1%	1%	1%	1%	3%	2%
							grade 5 events	3411	3744	9621	3941	11407	5155
								3%	4%	7%	4%	9%	4%
							grade 6 events	1850	1969	31578	2173	26832	6192
								1%	2%	24%	2%	22%	5%
							grade 7 events	82050	74161	62087	76963	59033	88108
								85%	83%	47%	83%	48%	74%

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	204.712719	204.7093737304357	Subarray requested	NONE	NONE
[deg] Pointing Dec	22.330506	22.30344715982656	Alternating exposures requested	N	N
[deg] Pointing Roll	232.567866	232.7257454019414	[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)	140098536.184000	140097463.76144			
Observation start date	2002-06-10T12:14:32	2002-06-10T11:57:43			
[s] Observation end time (MET)	140113036.184000	140113279.51208			
Observation end date	2002-06-10T16:16:12	2002-06-10T16:21:19			
Read mode	TIMED	TIMED			

2.3 Aspect



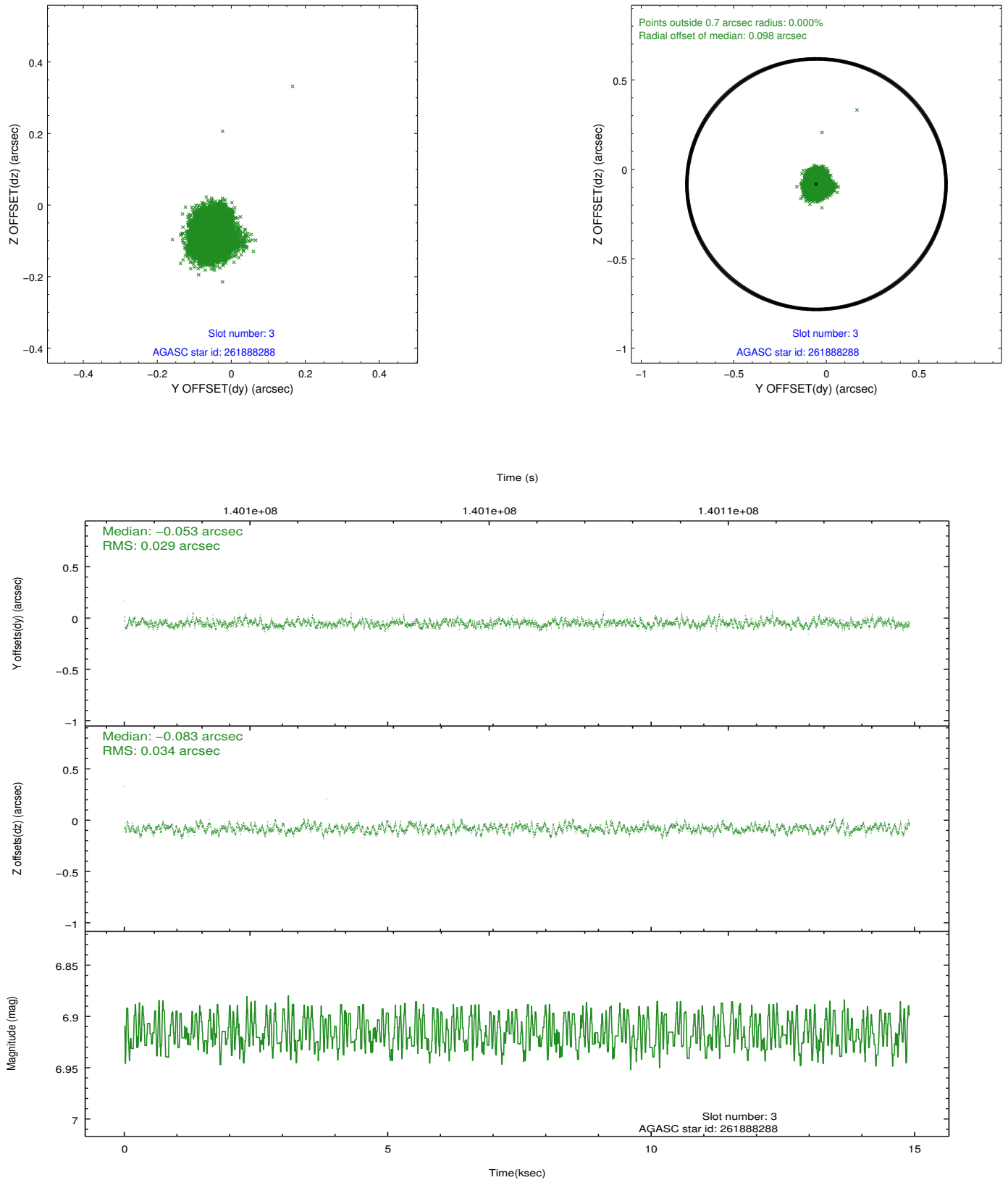


Slot Statistics

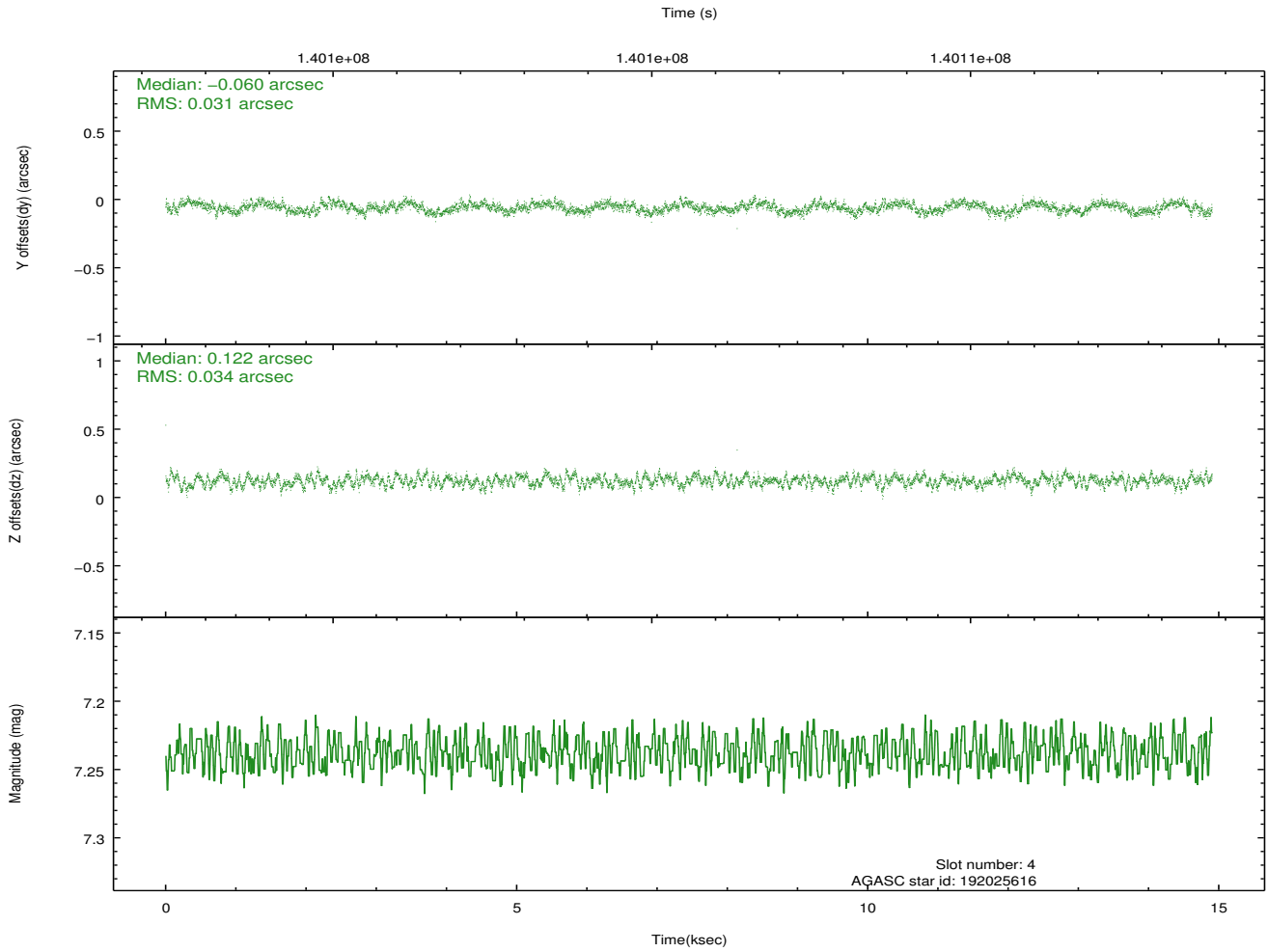
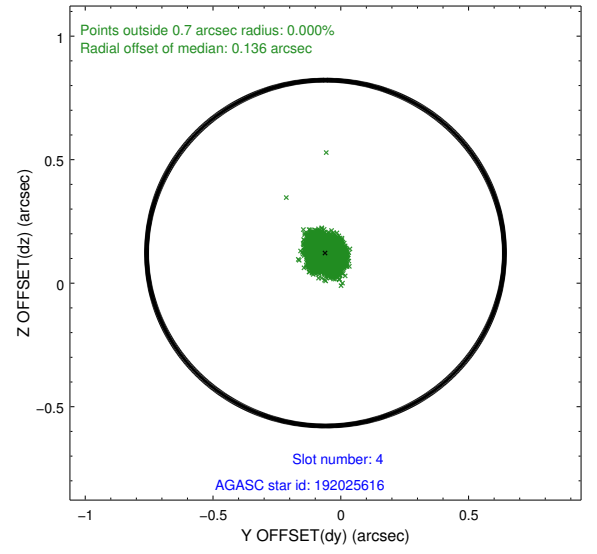
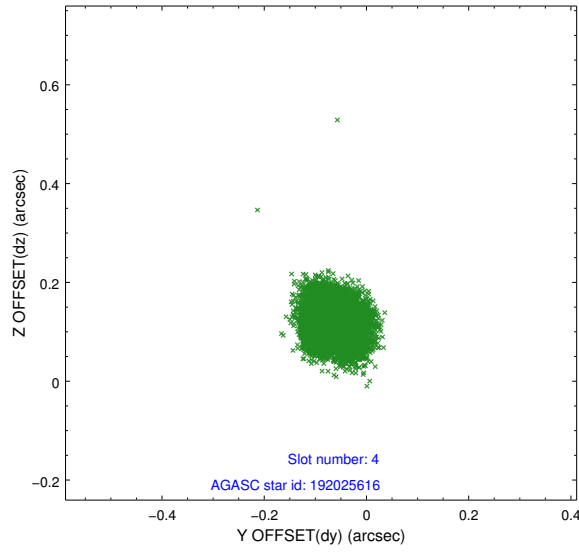
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3635	-0.003	0.006	0.006	0.010	0.000000	0.000000	-755.47	-1728.39
1	FID	ACIS-S-4	7.20	3635	-0.010	0.001	0.006	0.010	0.000000	0.000000	2157.65	179.78
2	FID	ACIS-S-6	7.36	3636	-0.014	0.001	0.007	0.011	0.000000	0.000000	406.88	817.52
3	GUIDE	261888288	6.92	7270	-0.053	-0.083	0.047	0.076	204.503837	22.527323	-141.34	-981.84
4	GUIDE	192025616	7.24	7270	-0.060	0.122	0.050	0.078	205.088062	22.232564	-482.66	1207.42
5	GUIDE	261890312	9.04	7265	-0.064	0.060	0.073	0.120	205.075095	22.526341	-1294.55	528.47
6	GUIDE	261887224	8.94	7268	-0.007	-0.045	0.072	0.119	204.668322	22.723274	-1034.24	-975.71
7	GUIDE	192022312	9.59	7261	0.183	-0.053	0.123	0.194	204.106736	21.928413	2375.94	-728.85

2.4 Star Slots

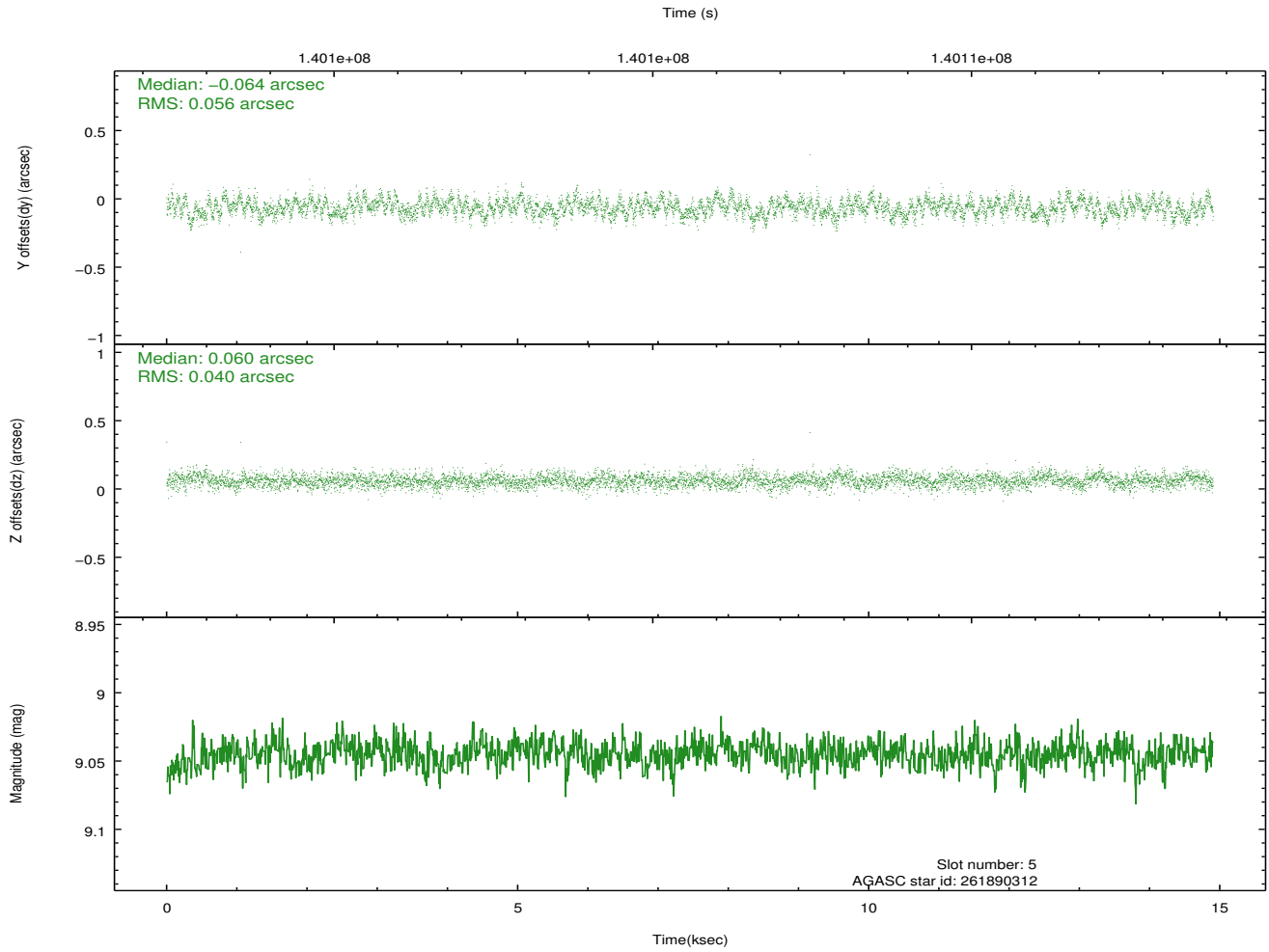
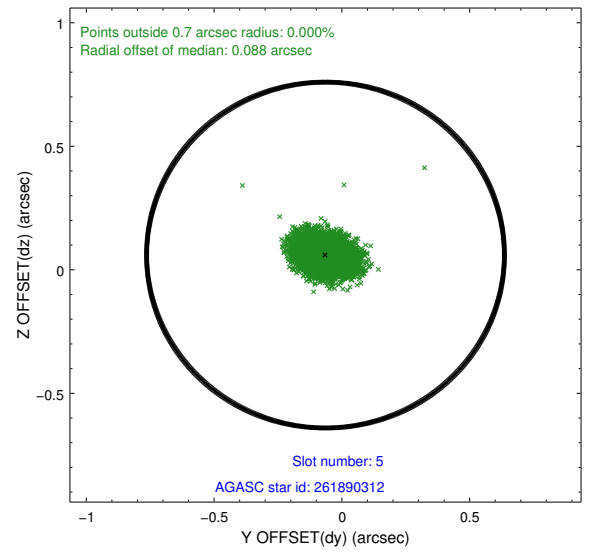
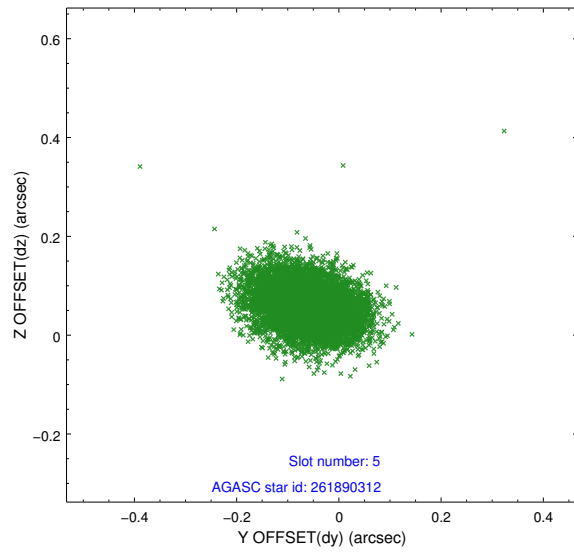
2.4.1 Slot 3



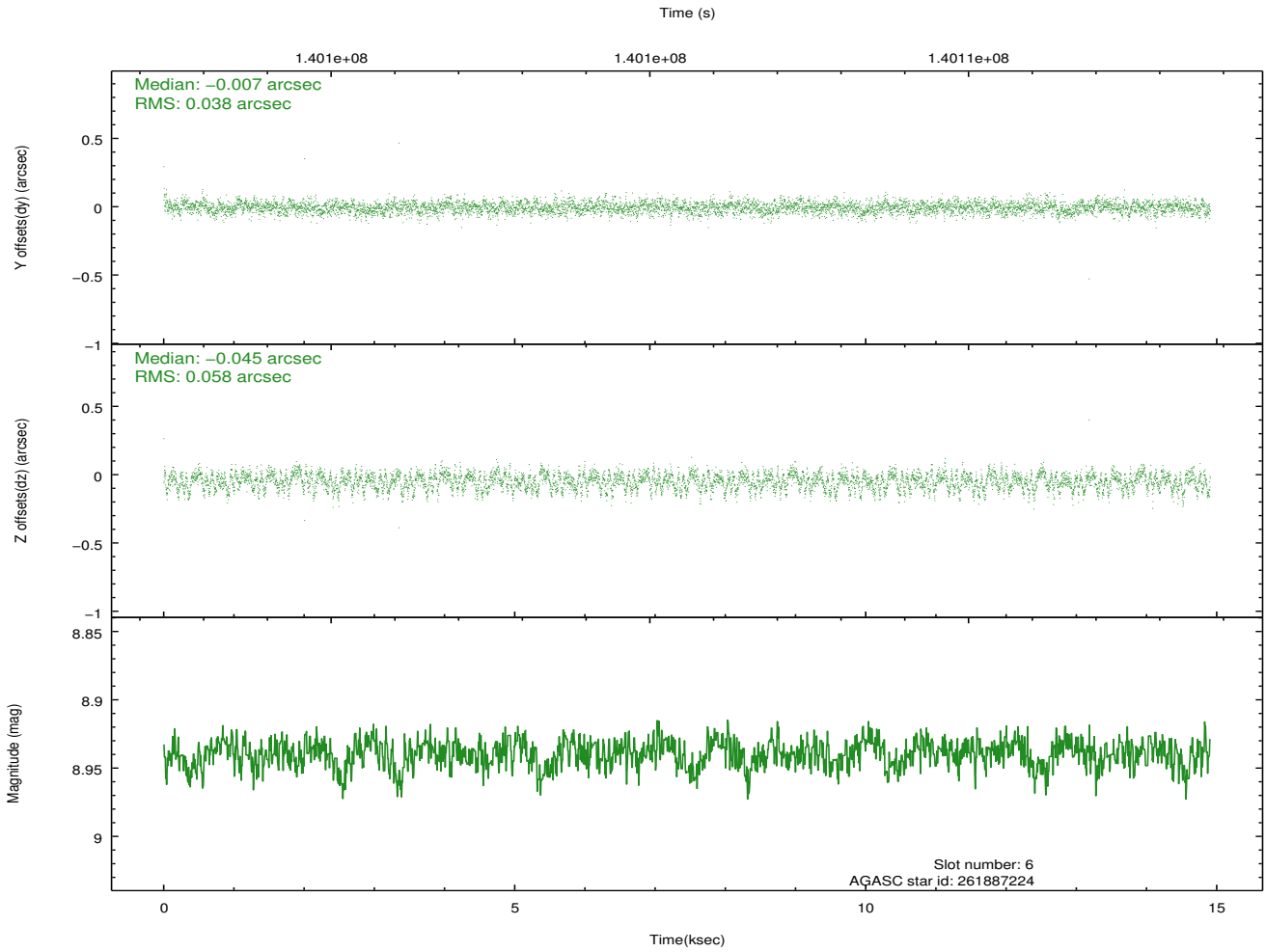
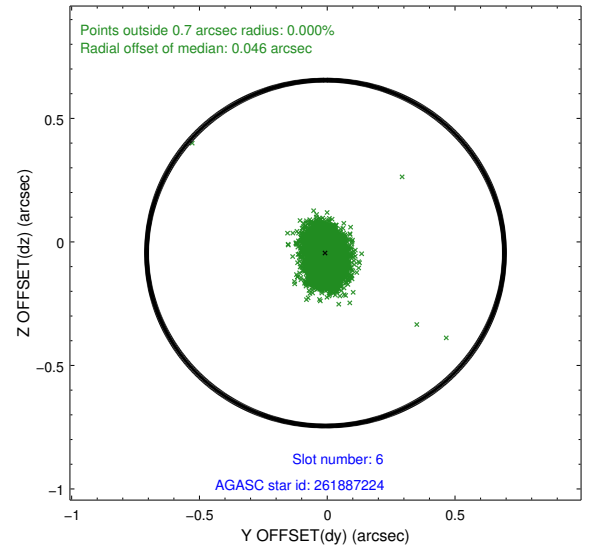
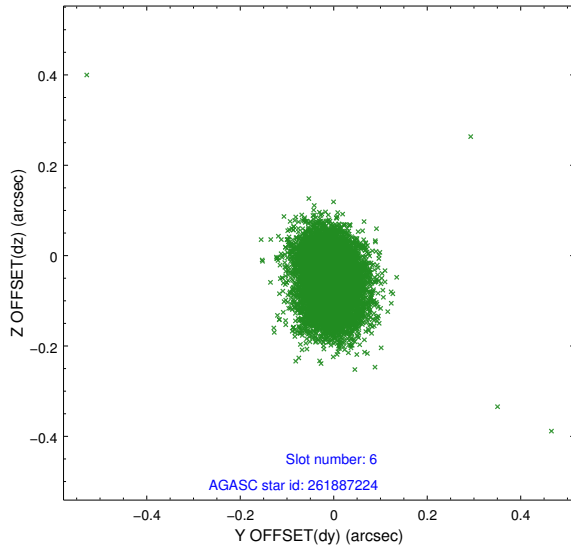
2.4.2 Slot 4



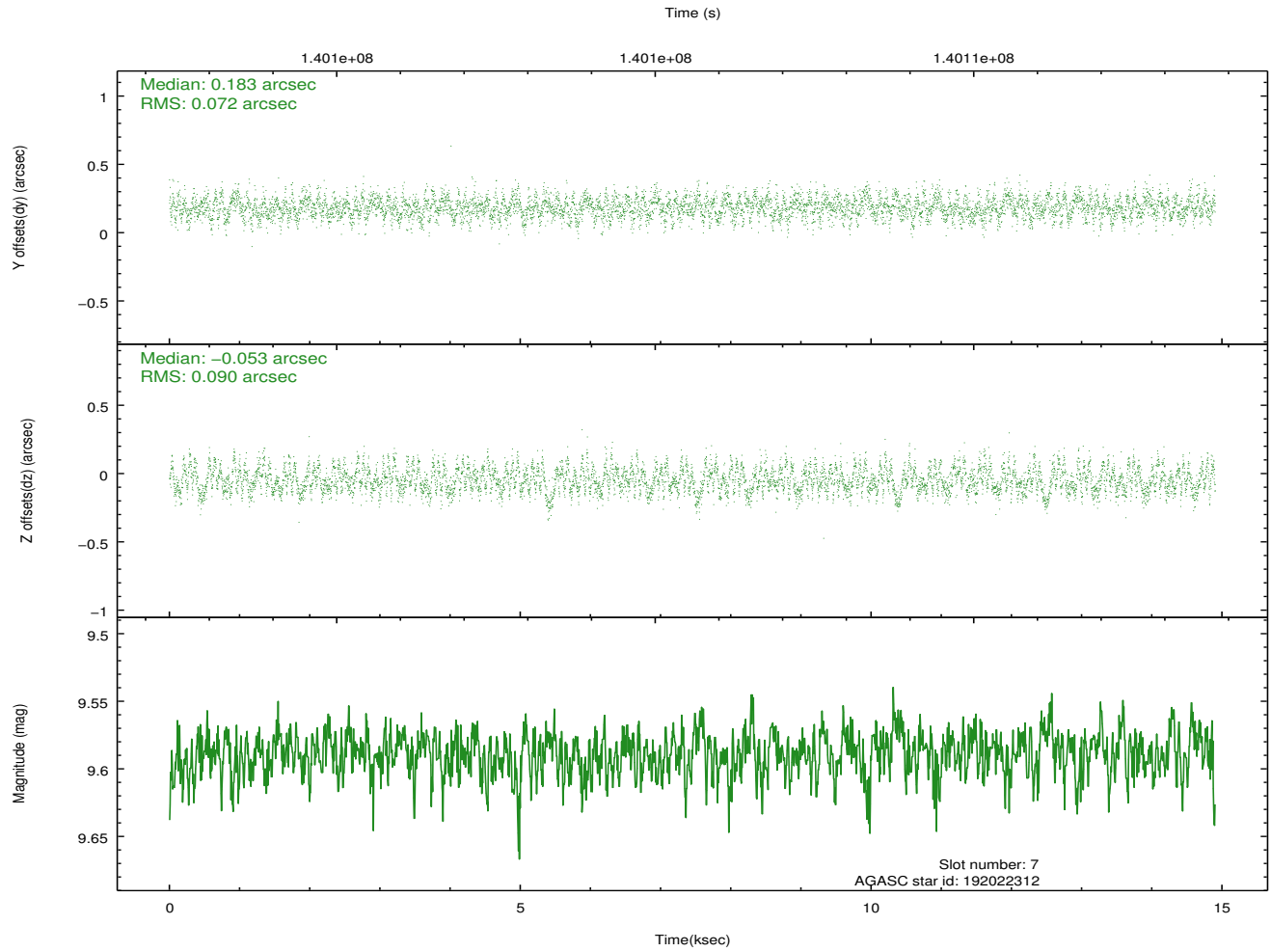
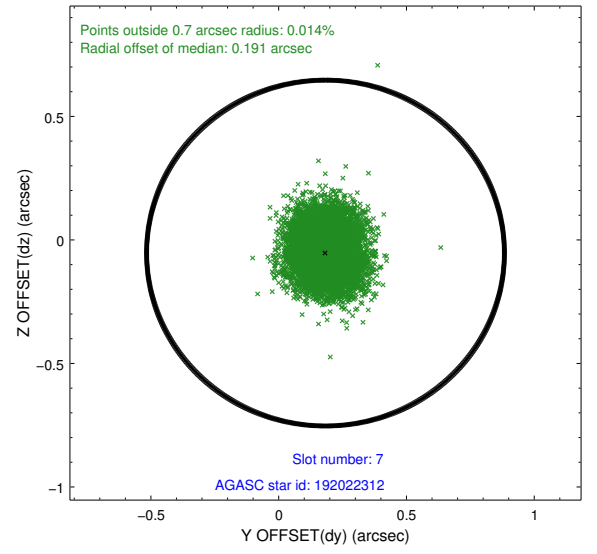
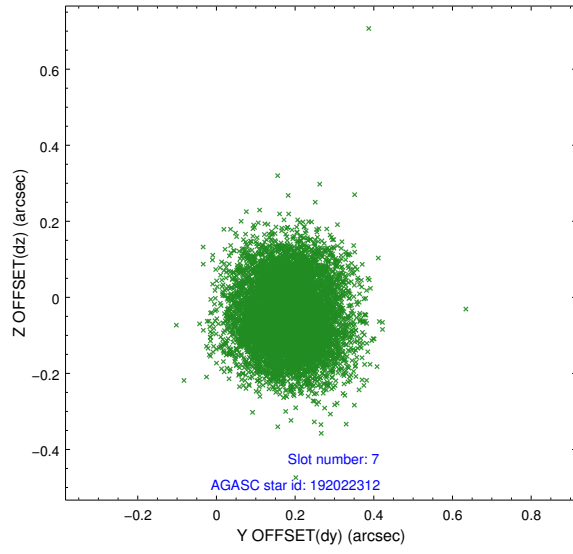
2.4.3 Slot 5



2.4.4 Slot 6

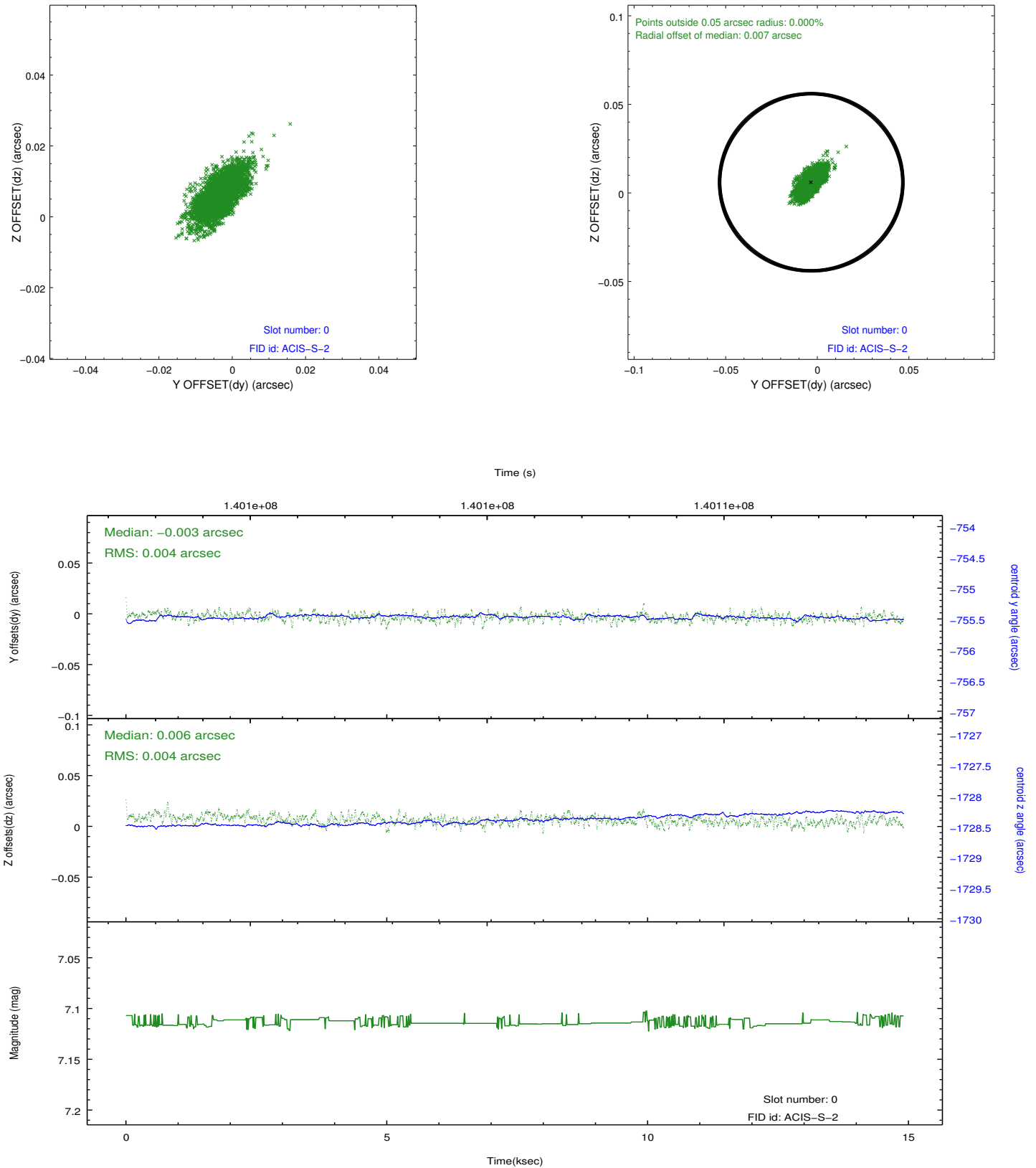


2.4.5 Slot 7

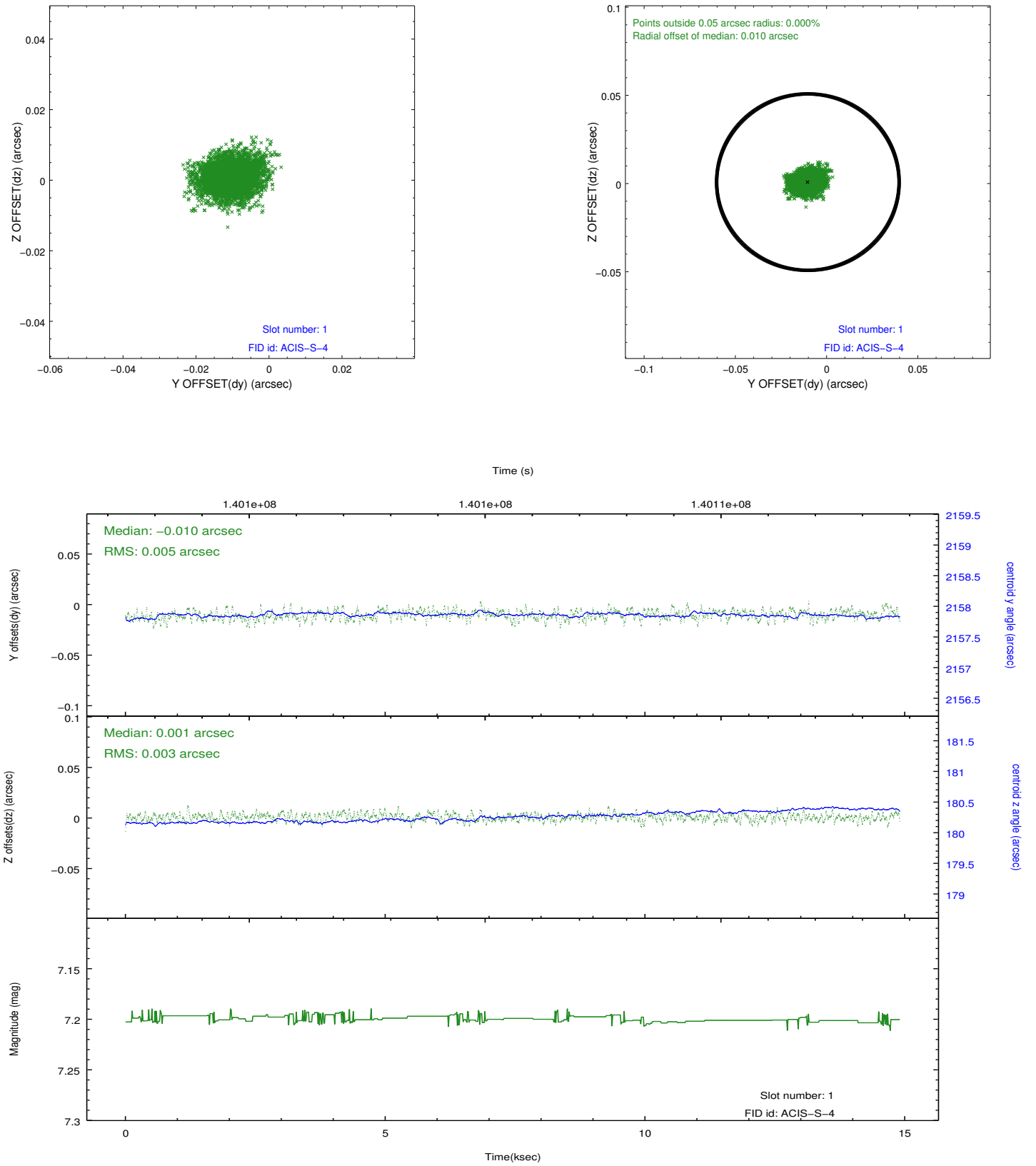


2.5 FID Slots

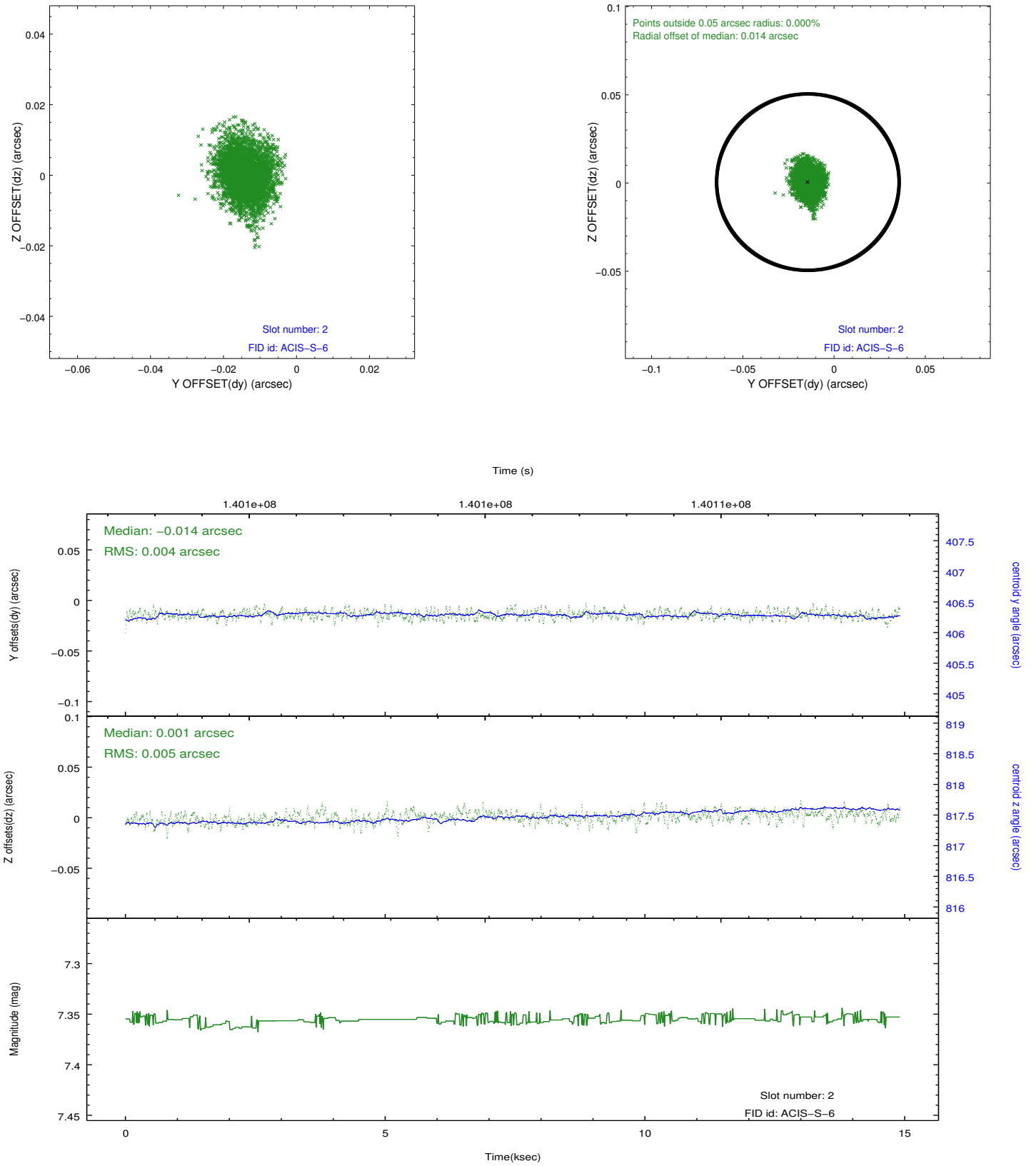
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.46

A.2 Comments