

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3339 - L2 Version 3
Chandra X-Ray Center

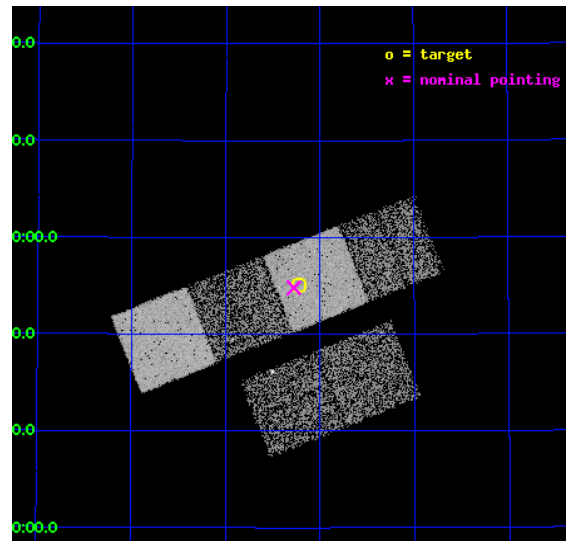
L2 Processing Date : Oct 17 2012

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1 Front

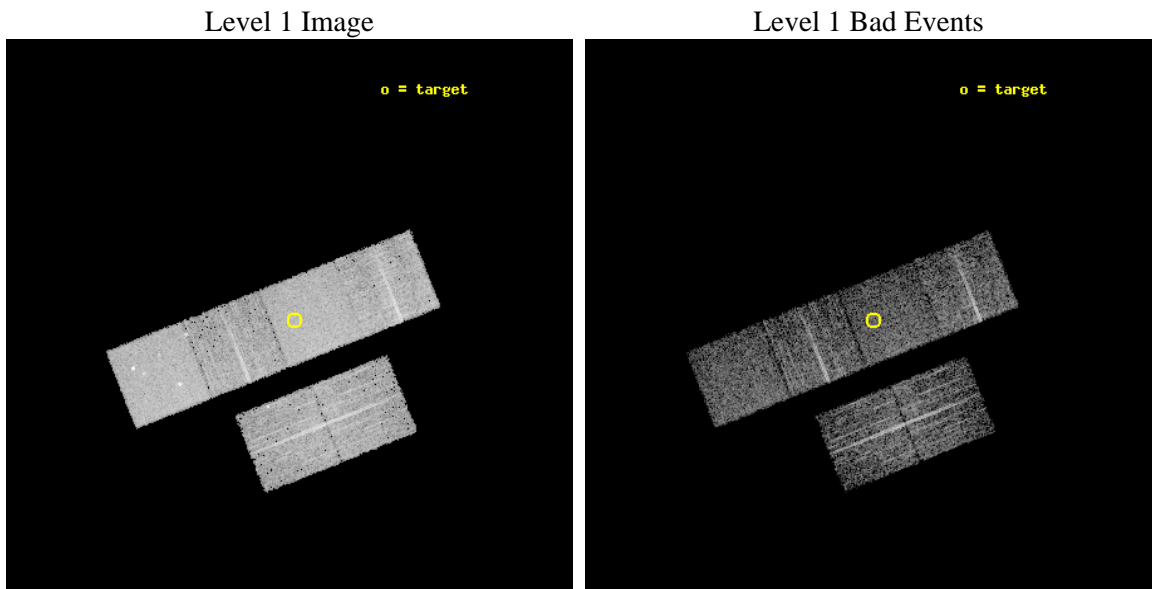
seq_num	900178	Sequence number
obs_id	3339	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1545.2+4855	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	236.306667	Observer's specified target RA [deg]
dec_targ	48.918333	Observer's specified target Dec [deg]
ra_nom	236.31924067769	Nominal RA [deg]
dec_nom	48.913270207897	Nominal Dec [deg]
roll_nom	338.37472045371	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.9999815226	Sum of GTIs [s]
livetime	4897.1934752031	Livetime [s]
ontime2	4956.7590112686	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	51217	Number of level 2 events



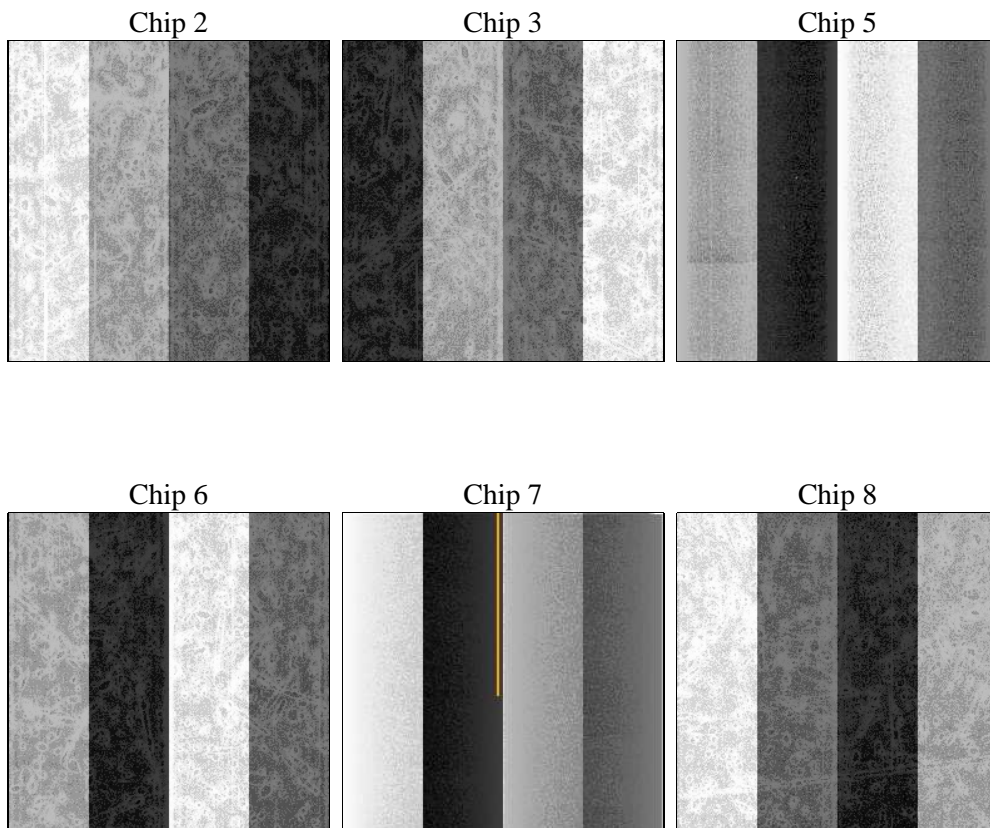
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	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	4956.7590112686	Sum of GTIs [s]
date	2012-10-17T00:09:38	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	225274	Number of level 1 events

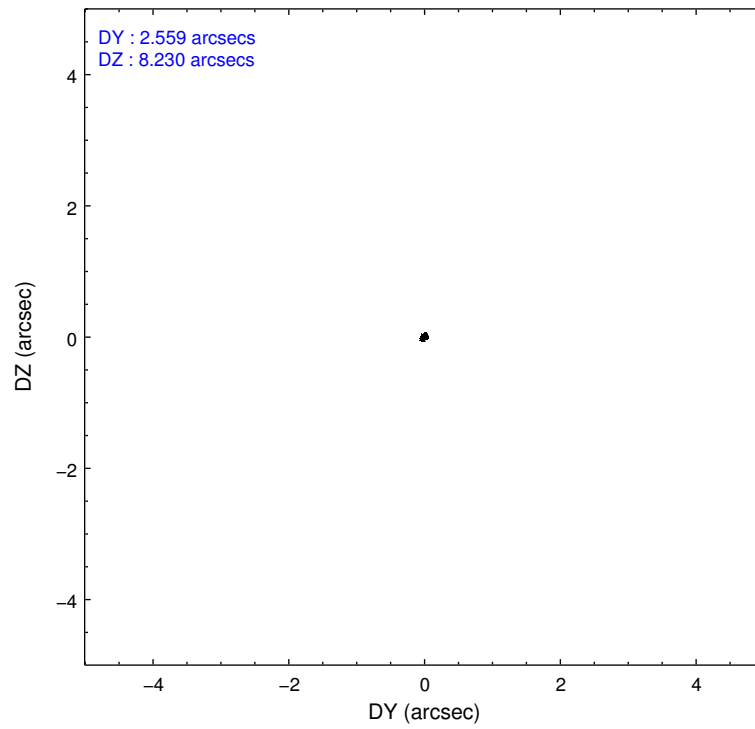
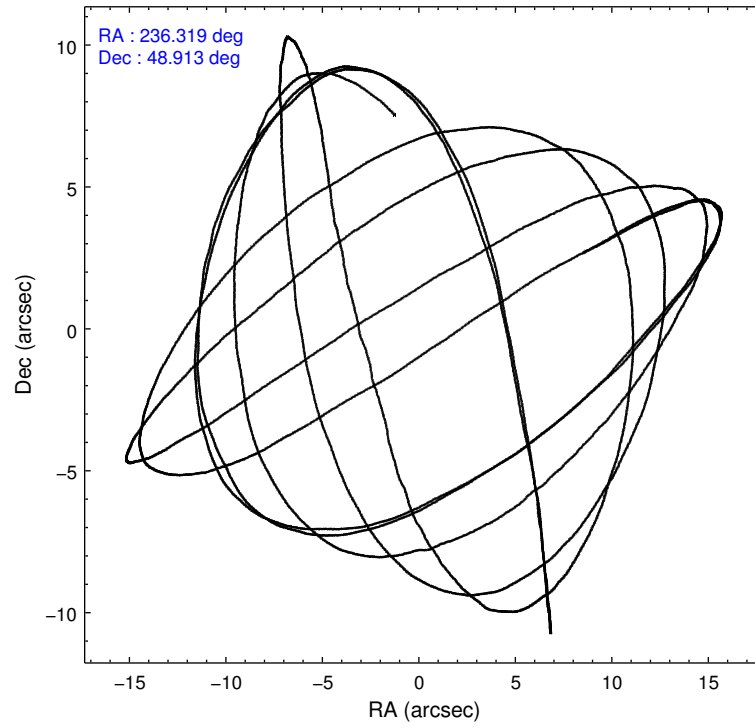
2.1.4 Events

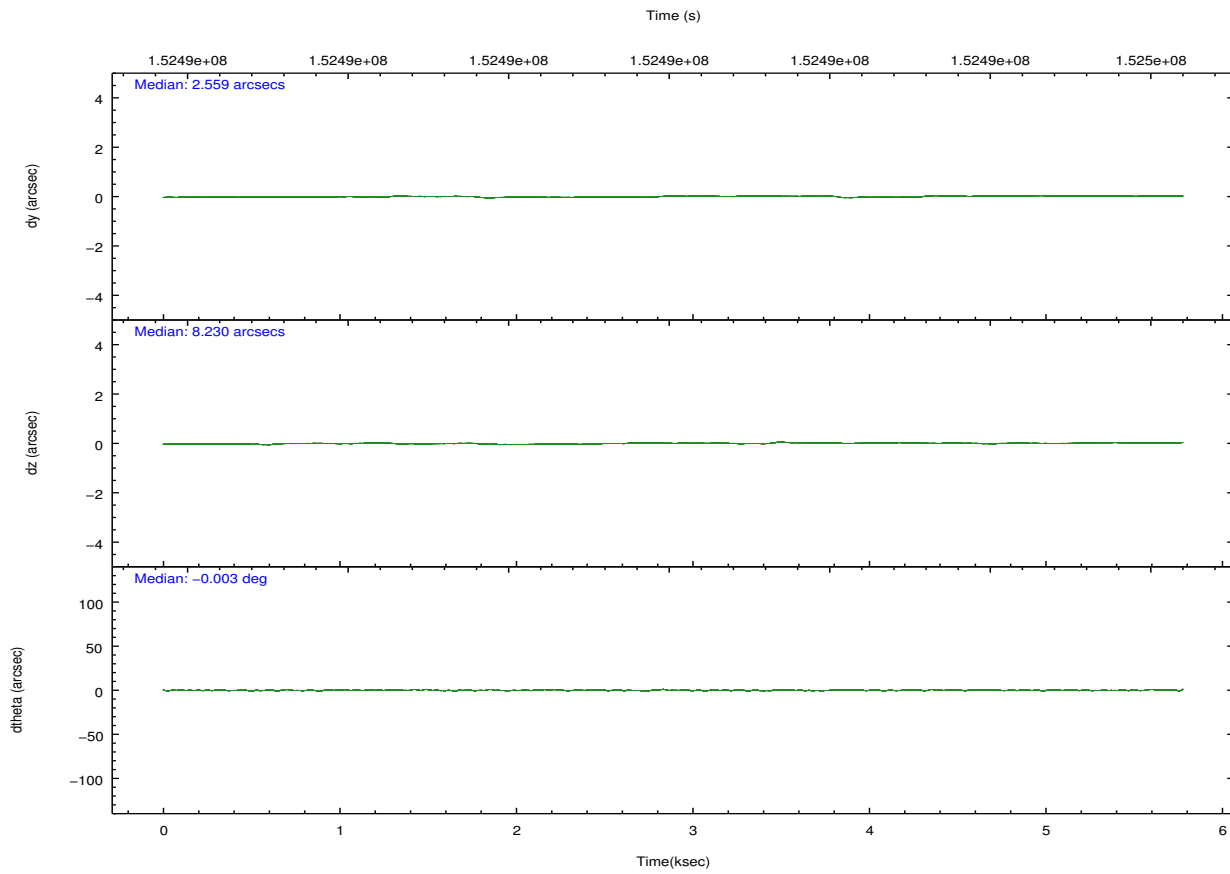
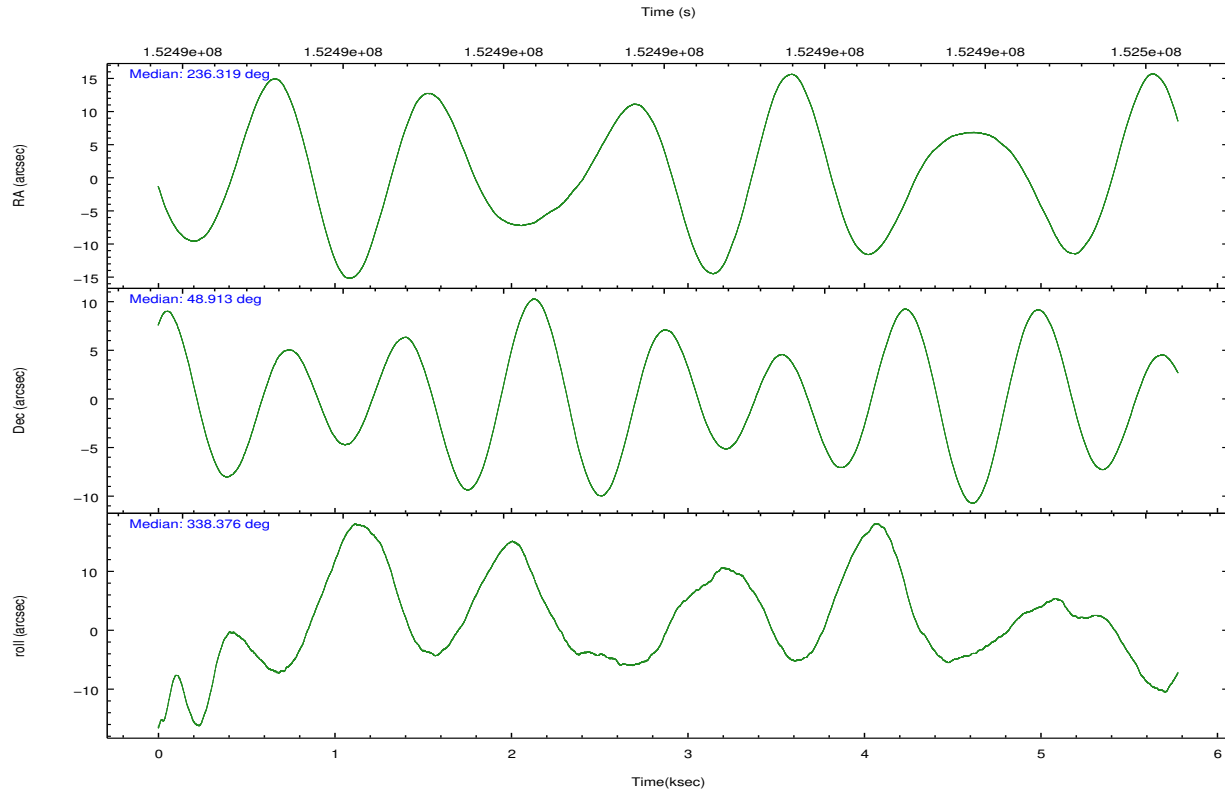
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32571	31733	46387	31953	42362	40268	grade 0 events	1927	1694	2629	1666	1701	3172
rejected events	28442	27939	24749	28049	24528	30707		5%	5%	5%	5%	4%	7%
rejected %	87%	88%	53%	87%	57%	76%	grade 1 events	14	20	112	15	32	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	829	737	6238	703	3646	1908
								2%	2%	13%	2%	8%	4%
							grade 3 events	394	328	936	376	1594	1111
								1%	1%	2%	1%	3%	2%
							grade 4 events	388	362	928	389	1565	1033
								1%	1%	2%	1%	3%	2%
							grade 5 events	1217	1349	3438	1414	4023	1840
								3%	4%	7%	4%	9%	4%
							grade 6 events	596	676	10919	772	9336	2342
								1%	2%	23%	2%	22%	5%
							grade 7 events	27206	26567	21187	26618	20465	28830
								83%	83%	45%	83%	48%	71%

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	236.278273	236.3192406776904	Subarray requested	NONE	NONE
[deg] Pointing Dec	48.908907	48.91327020789659	Alternating exposures requested	N	N
[deg] Pointing Roll	338.248968	338.3747204537131	[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)	152489911.184000	152488653.39731			
Observation start date	2002-10-31T22:17:27	2002-10-31T21:57:33			
[s] Observation end time (MET)	152494911.184000	152496491.06014			
Observation end date	2002-10-31T23:40:47	2002-11-01T00:08:11			
Read mode	TIMED	TIMED			

2.3 Aspect



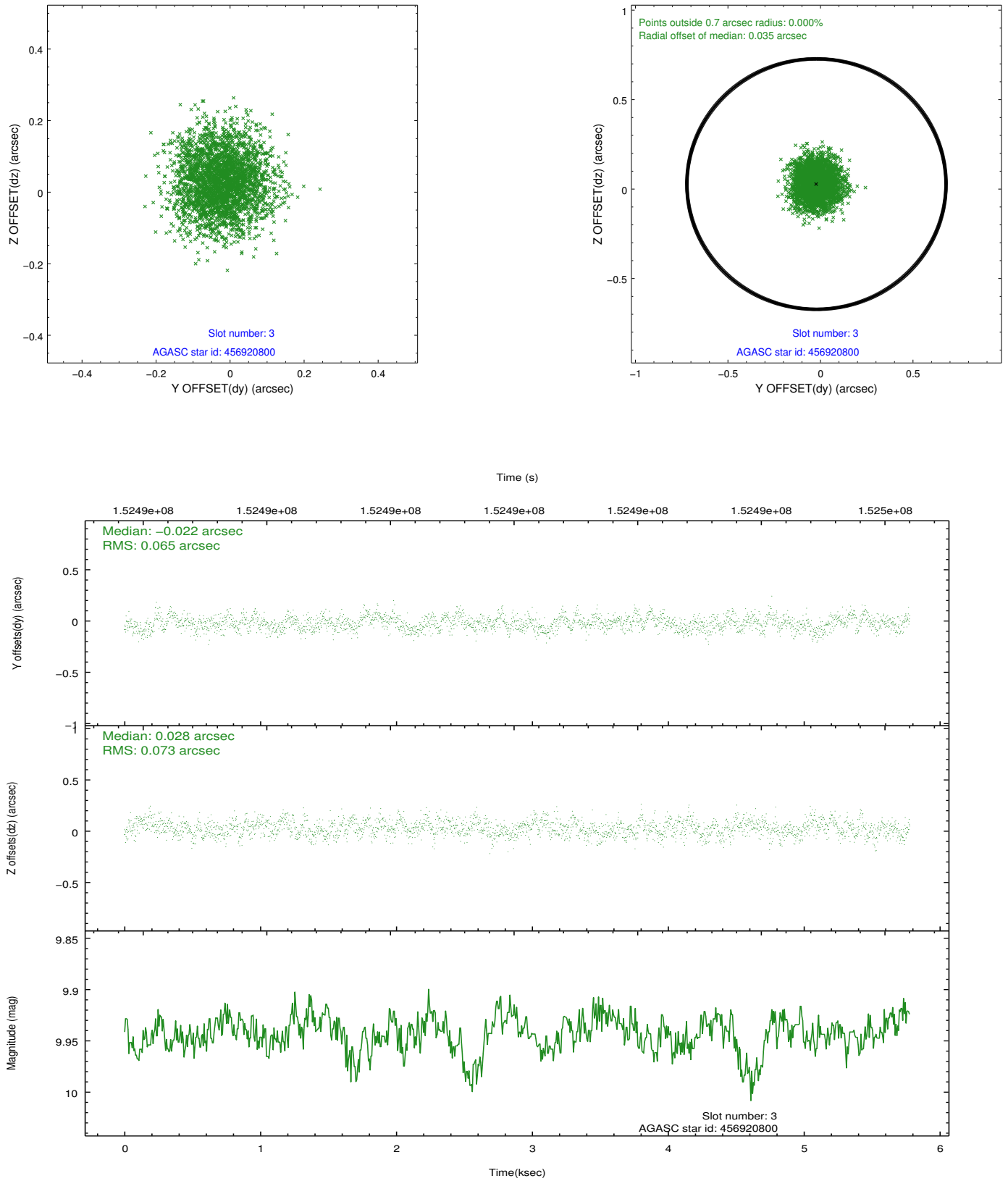


Slot Statistics

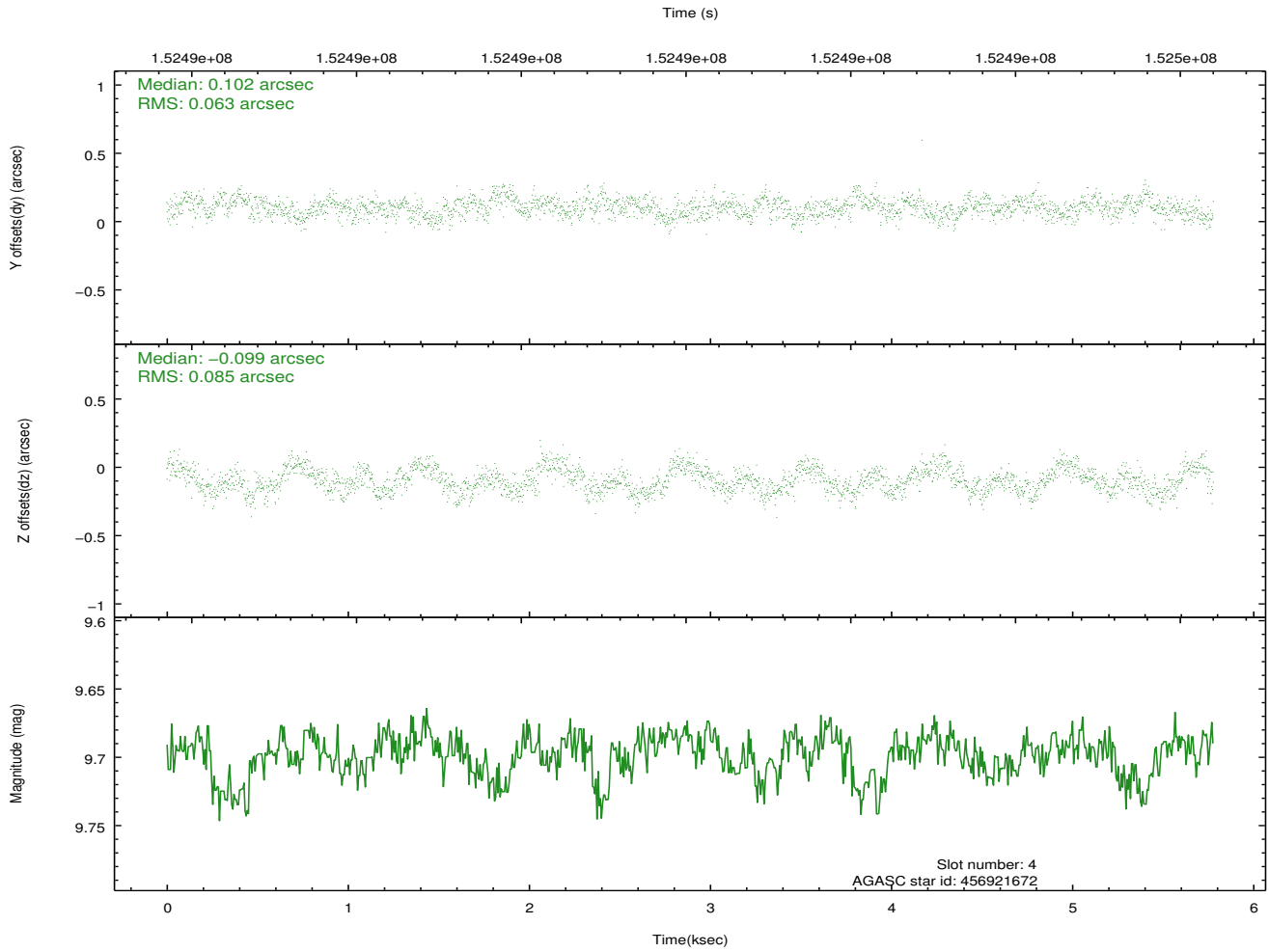
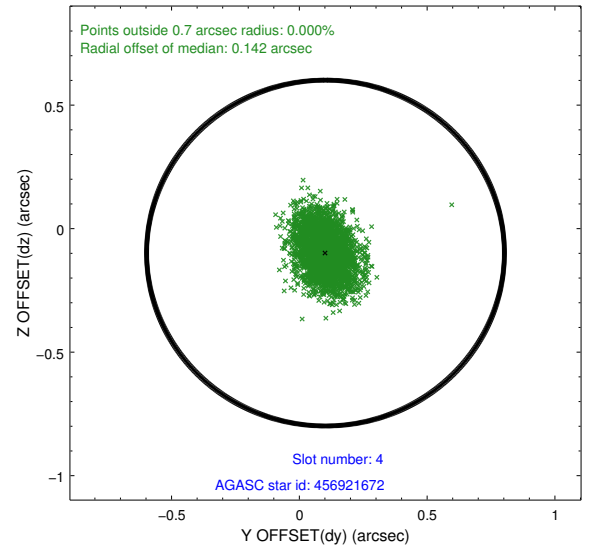
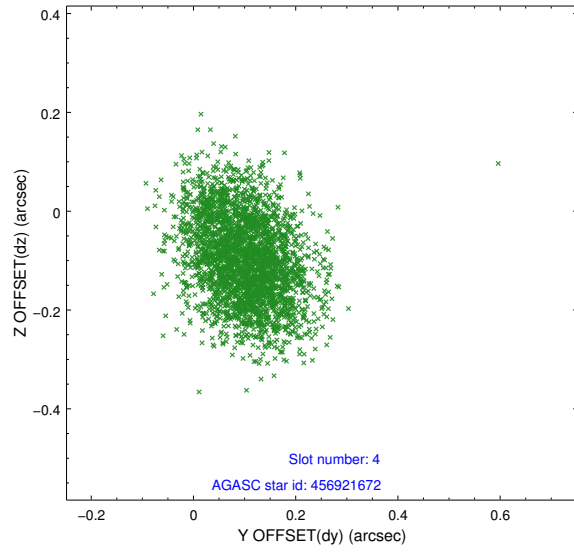
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1410	-0.010	0.001	0.007	0.011	0.000000	0.000000	-755.21	-1729.37
1	FID	ACIS-S-4	7.20	1410	-0.030	0.005	0.006	0.010	0.000000	0.000000	2157.59	178.03
2	FID	ACIS-S-5	7.24	1410	0.009	0.003	0.006	0.011	0.000000	0.000000	-1806.69	172.91
3	GUIDE	456920800	9.94	2814	-0.022	0.028	0.106	0.168	235.056639	48.509858	-2181.38	-2392.24
4	GUIDE	456921672	9.70	2820	0.102	-0.099	0.113	0.182	236.158269	49.028264	-422.25	293.59
5	GUIDE	456922656	10.32	2815	0.097	0.062	0.124	0.204	235.227668	48.670004	-2006.48	-1708.18
6	GUIDE	457842136	10.21	2817	-0.023	-0.013	0.133	0.220	237.046698	48.772883	1871.89	228.66
7	GUIDE	457841232	8.76	2819	-0.144	0.024	0.064	0.105	237.239608	48.687132	2414.38	118.53

2.4 Star Slots

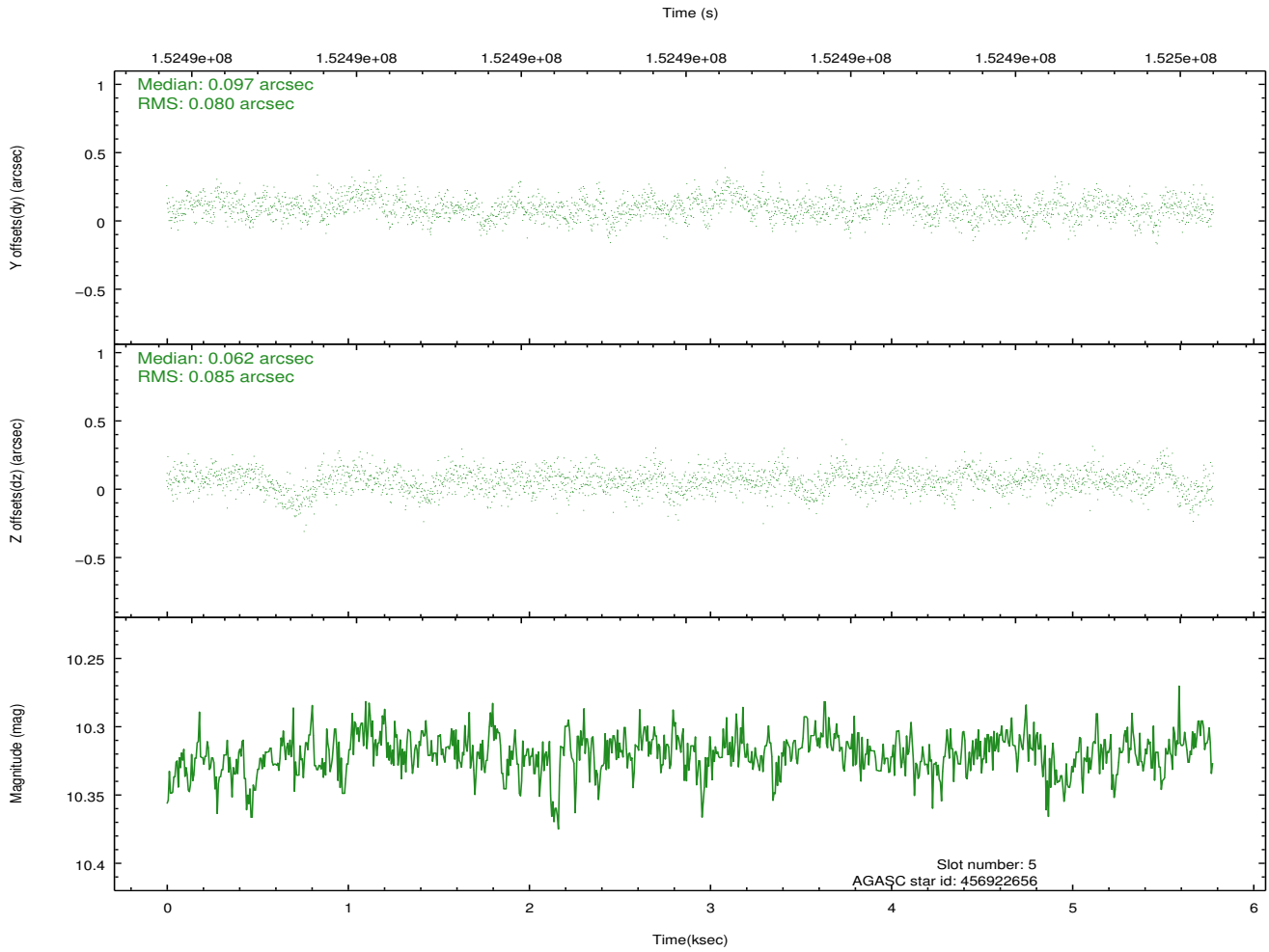
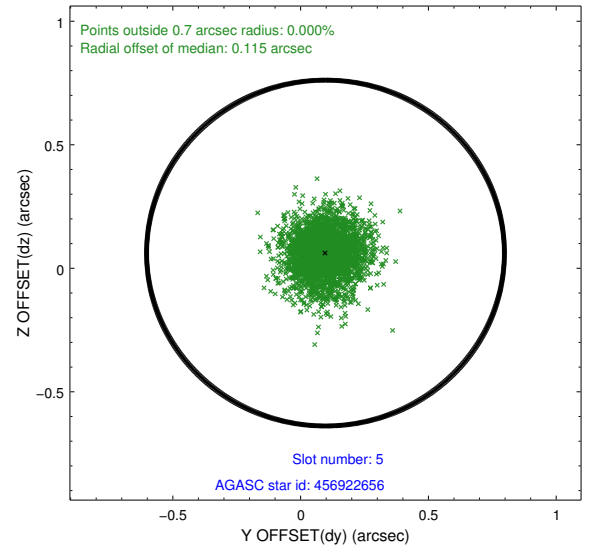
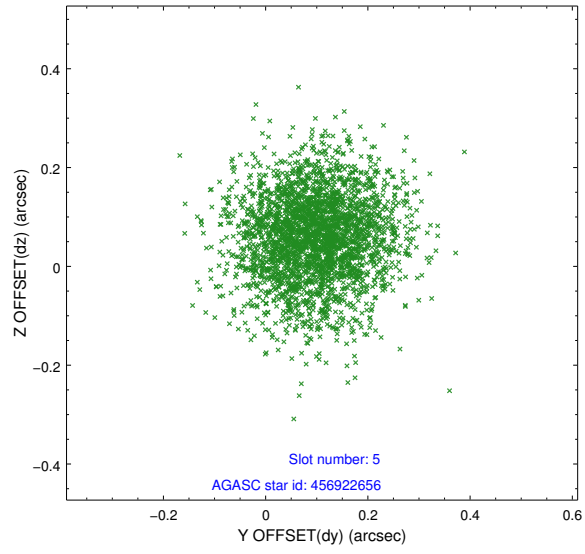
2.4.1 Slot 3



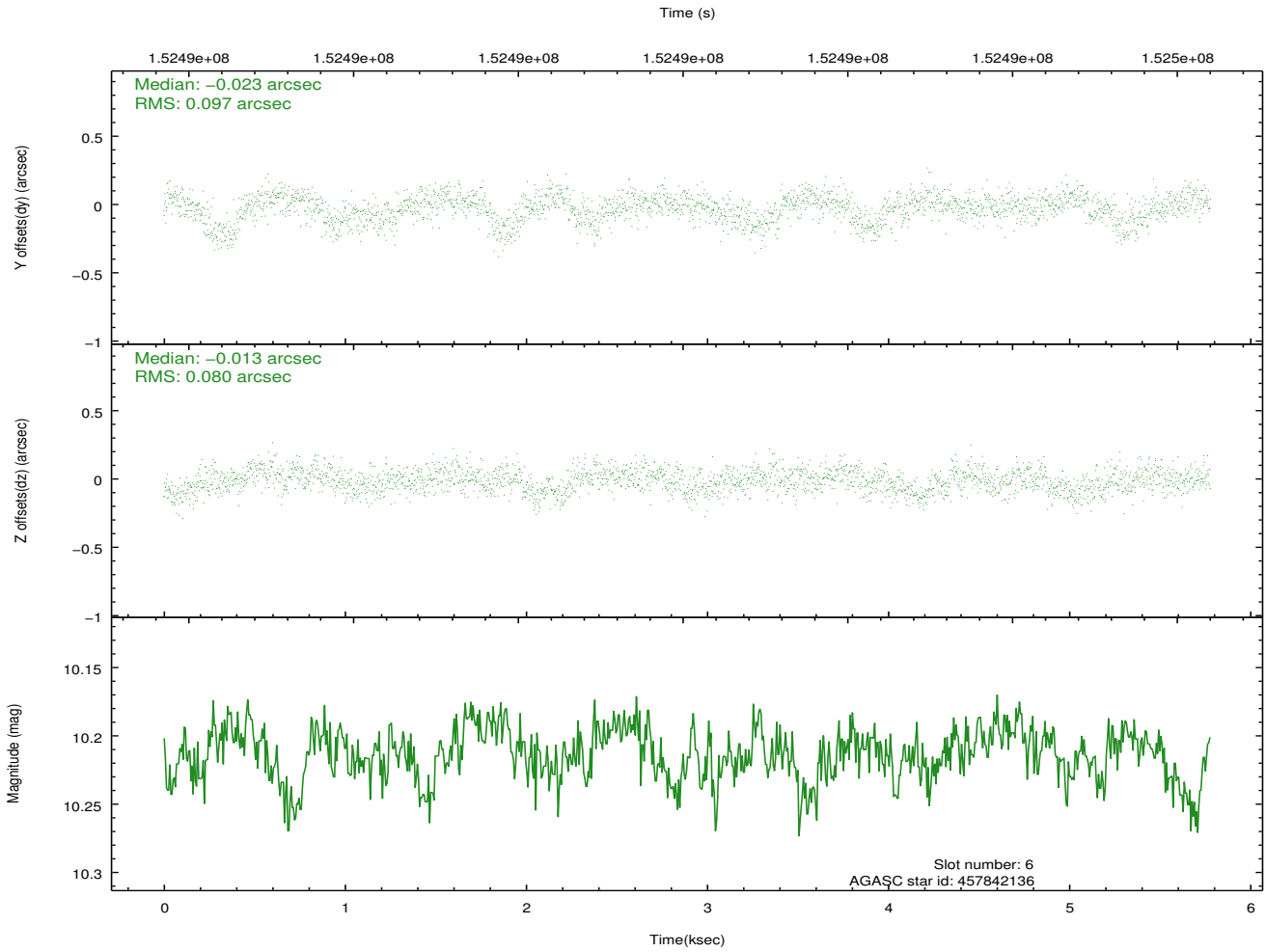
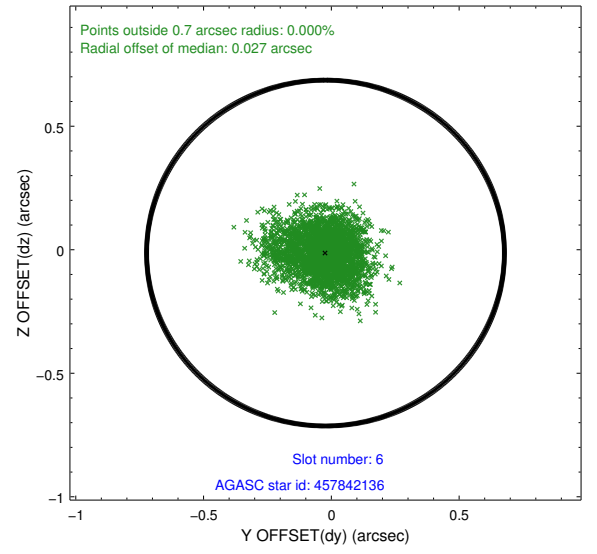
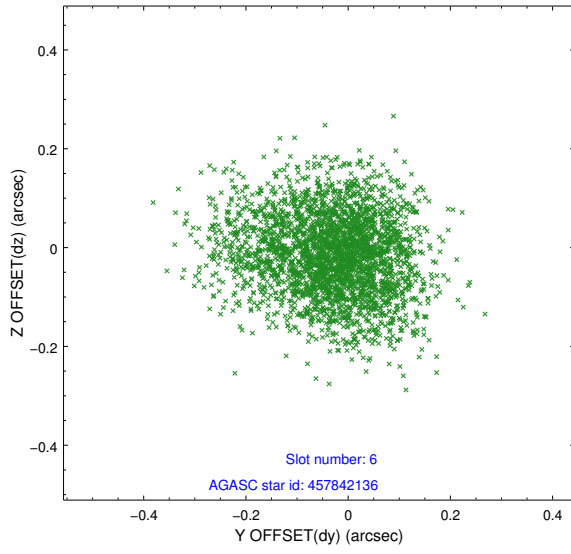
2.4.2 Slot 4



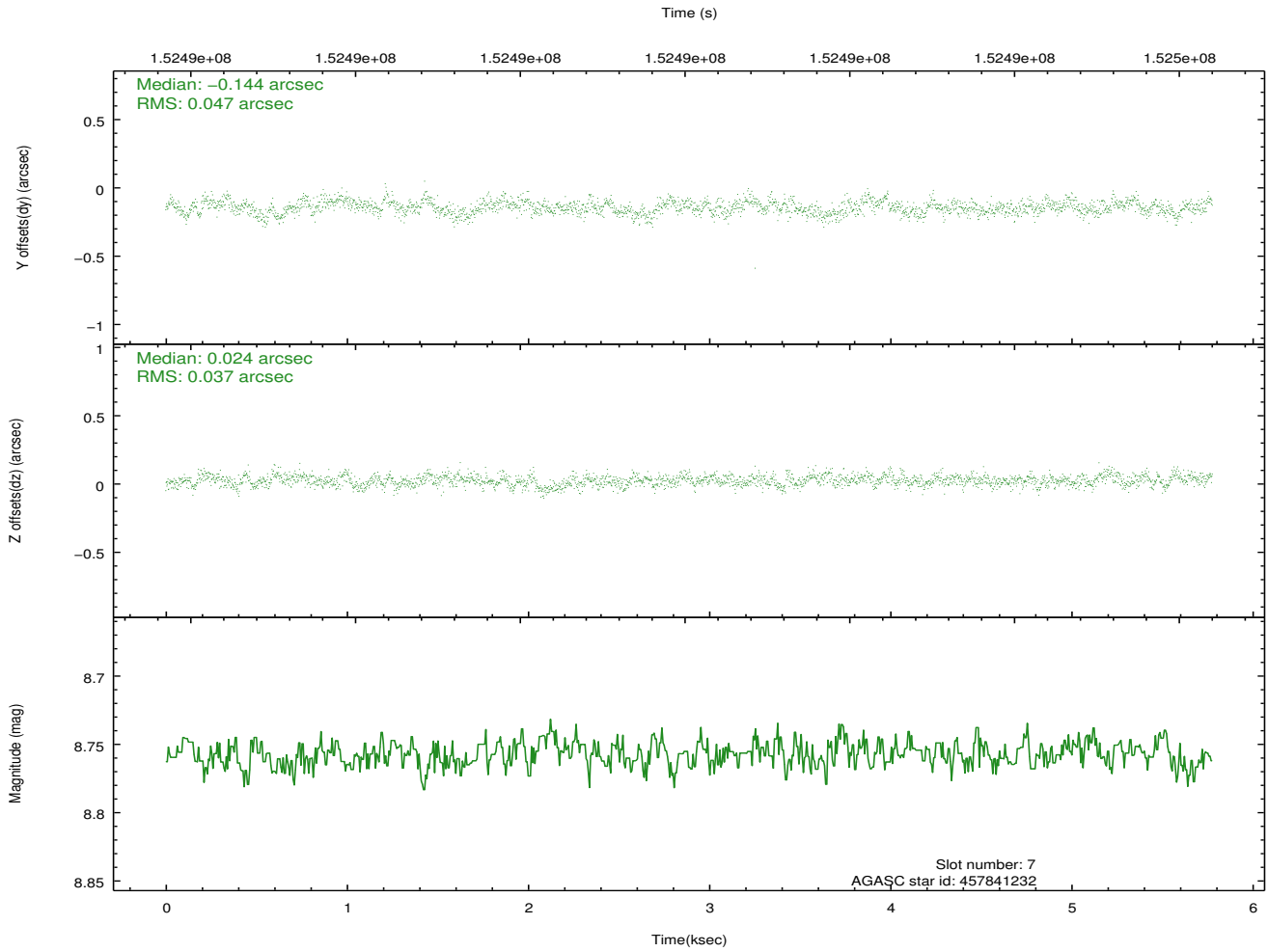
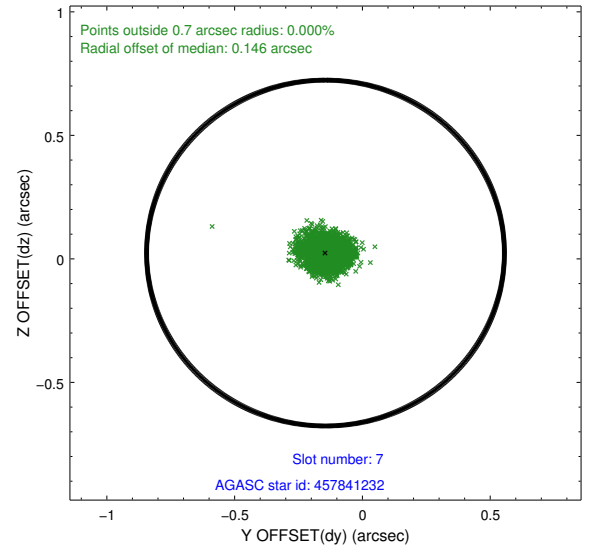
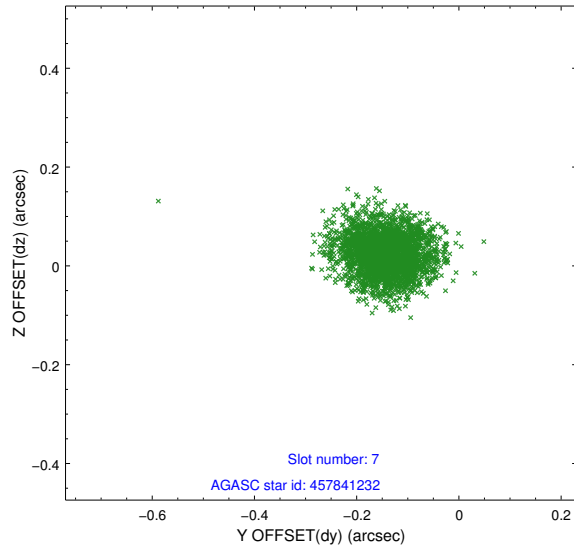
2.4.3 Slot 5



2.4.4 Slot 6

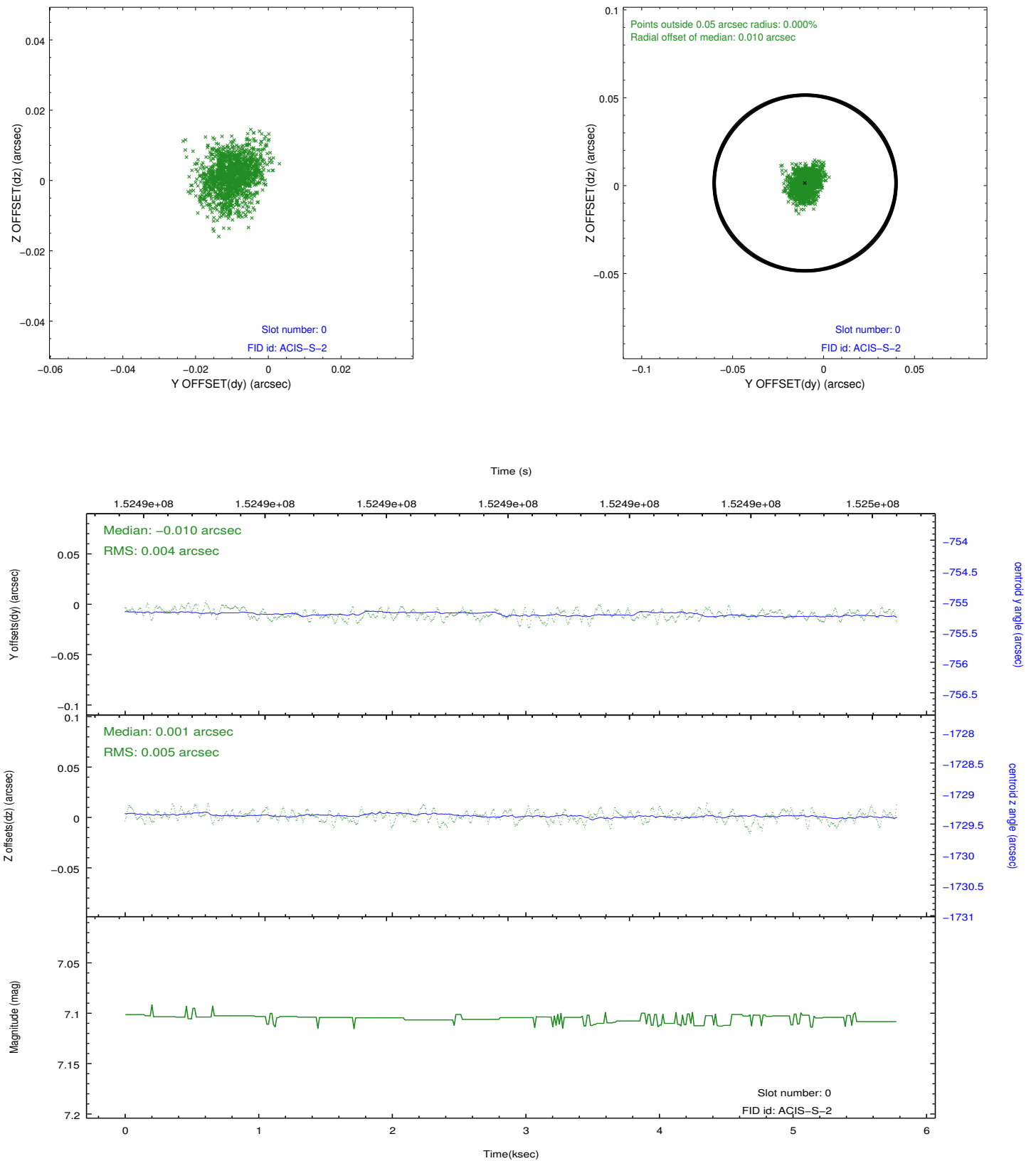


2.4.5 Slot 7

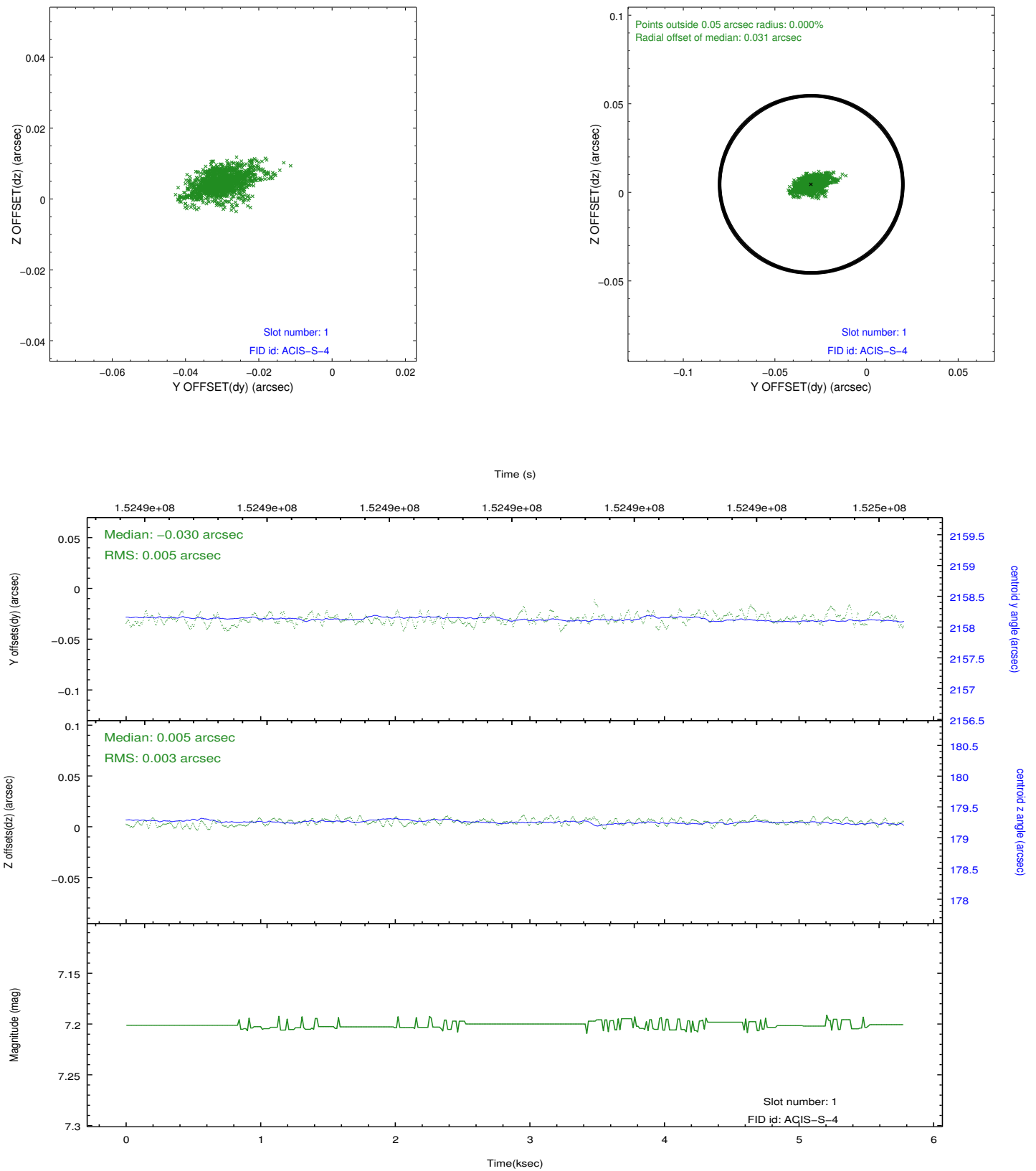


2.5 FID Slots

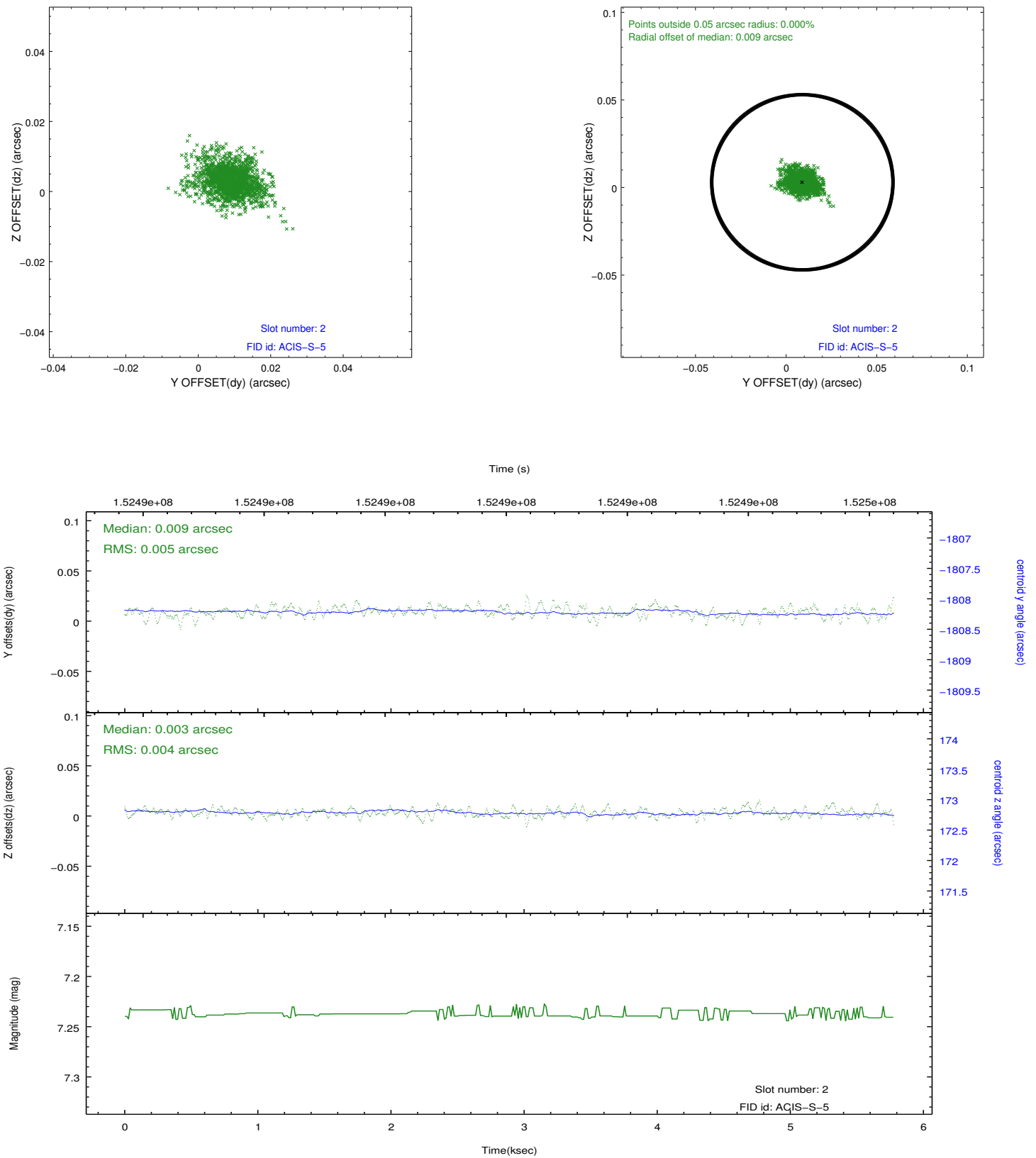
2.5.1 Slot 0



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)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments

Joint Proposal: NOAO