

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3309 - L2 Version 3
Chandra X-Ray Center

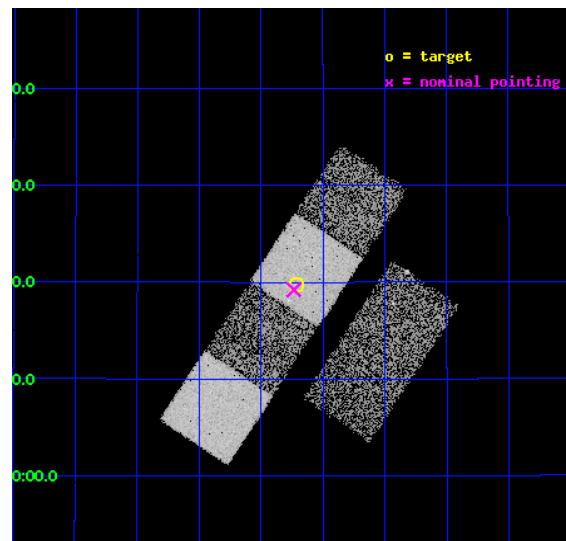
L2 Processing Date : Oct 2 2012

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1 Front

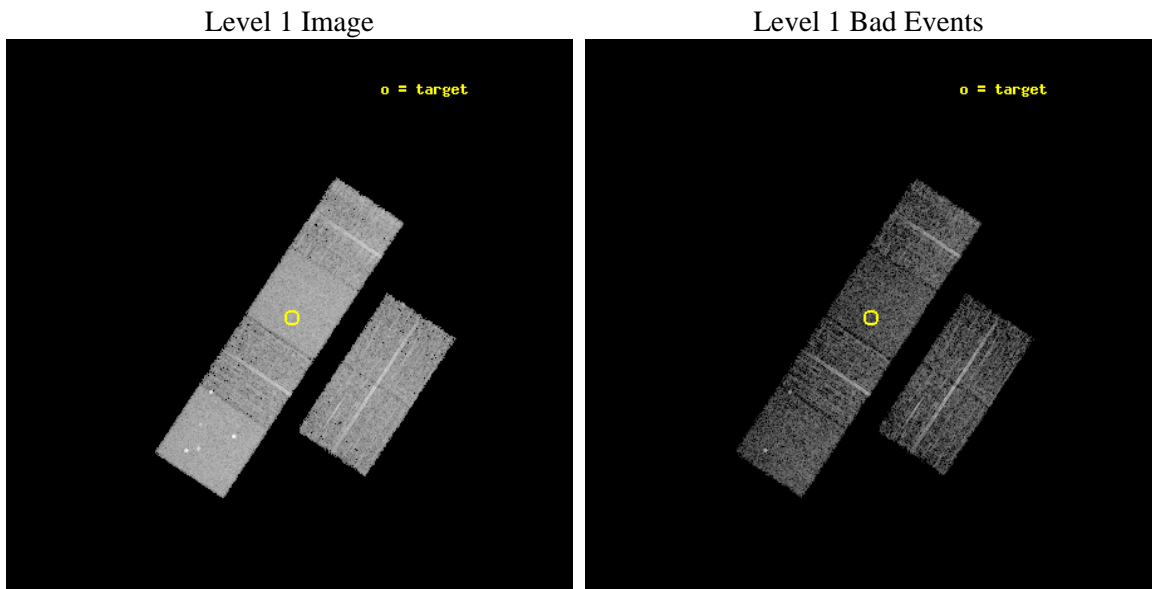
seq_num	900148	Sequence number
obs_id	3309	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0058.7+3019	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	14.679167	Observer's specified target RA [deg]
dec_targ	30.329167	Observer's specified target Dec [deg]
ra_nom	14.683570655412	Nominal RA [deg]
dec_nom	30.32023755987	Nominal Dec [deg]
roll_nom	303.54244966142	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4958.8926059455	Sum of GTIs [s]
livetime	4896.1001218823	Livetime [s]
ontime2	4958.9336459488	Sum of GTIs [s]
ontime3	4958.7694859505	Sum of GTIs [s]
ontime5	4958.8515659422	Sum of GTIs [s]
ontime6	4958.8105259538	Sum of GTIs [s]
ontime7	4958.8926059455	Sum of GTIs [s]
ontime8	4958.7284459472	Sum of GTIs [s]
l2events	62548	Number of level 2 events



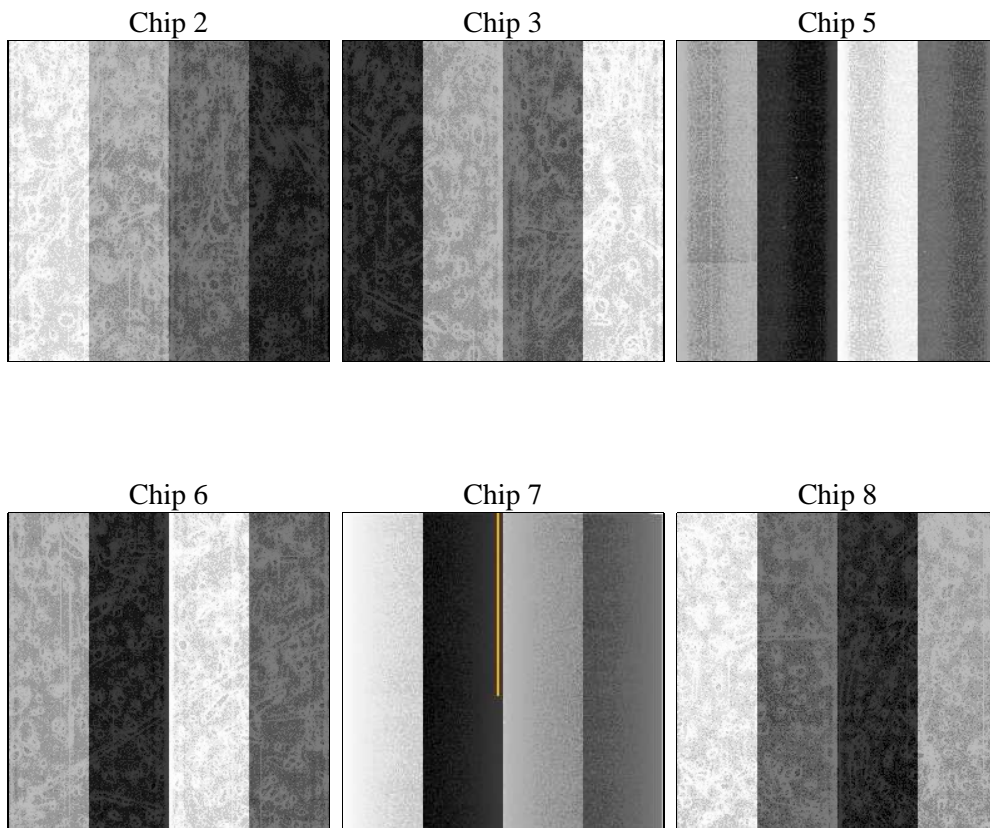
2 OBI

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	4958.8926059455	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4958.9336459488	Sum of GTIs [s]
date	2012-10-02T05:10:21	Date and time of file creation	ontime3	4958.7694859505	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4958.8515659422	Sum of GTIs [s]
			ontime6	4958.8105259538	Sum of GTIs [s]
			ontime7	4958.8926059455	Sum of GTIs [s]
			ontime8	4958.7284459472	Sum of GTIs [s]
			l1events	240090	Number of level 1 events

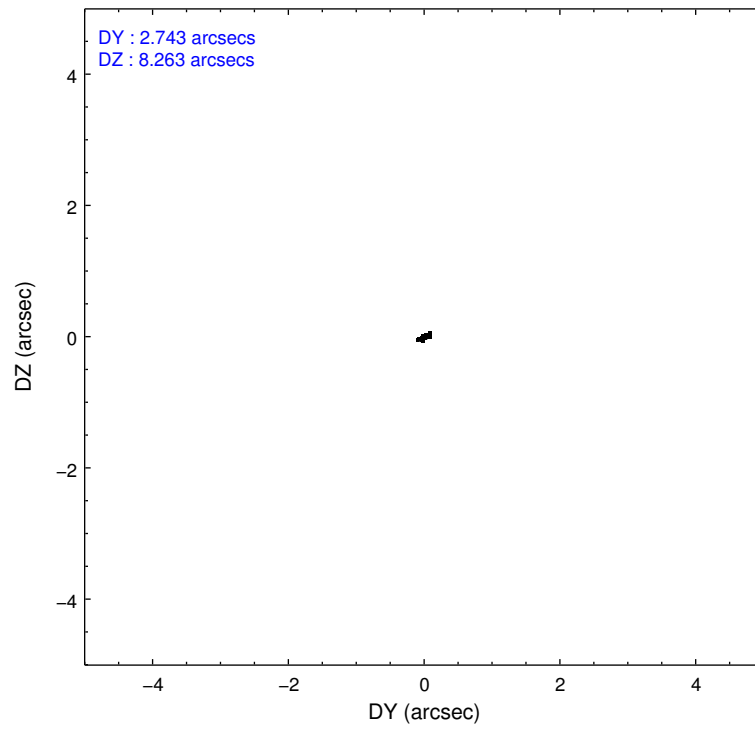
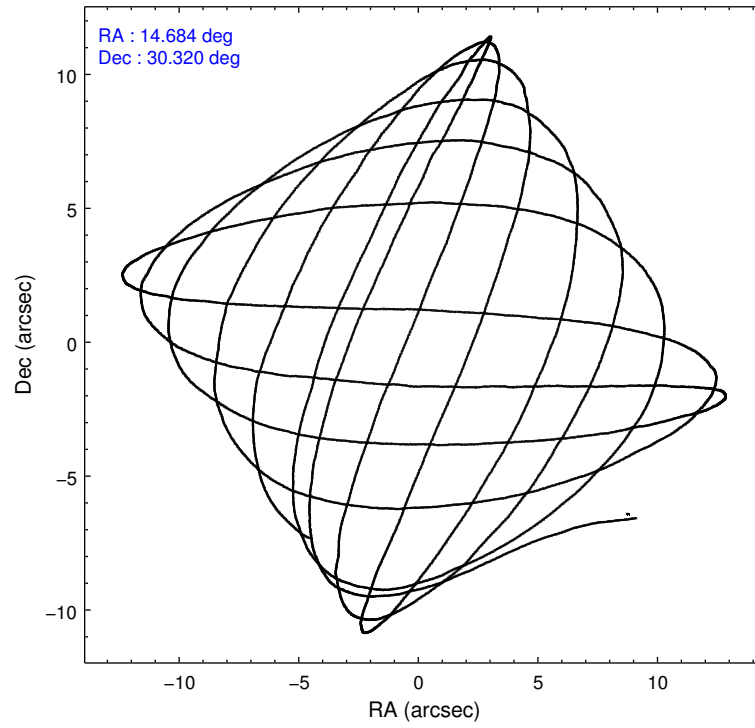
2.1.4 Events

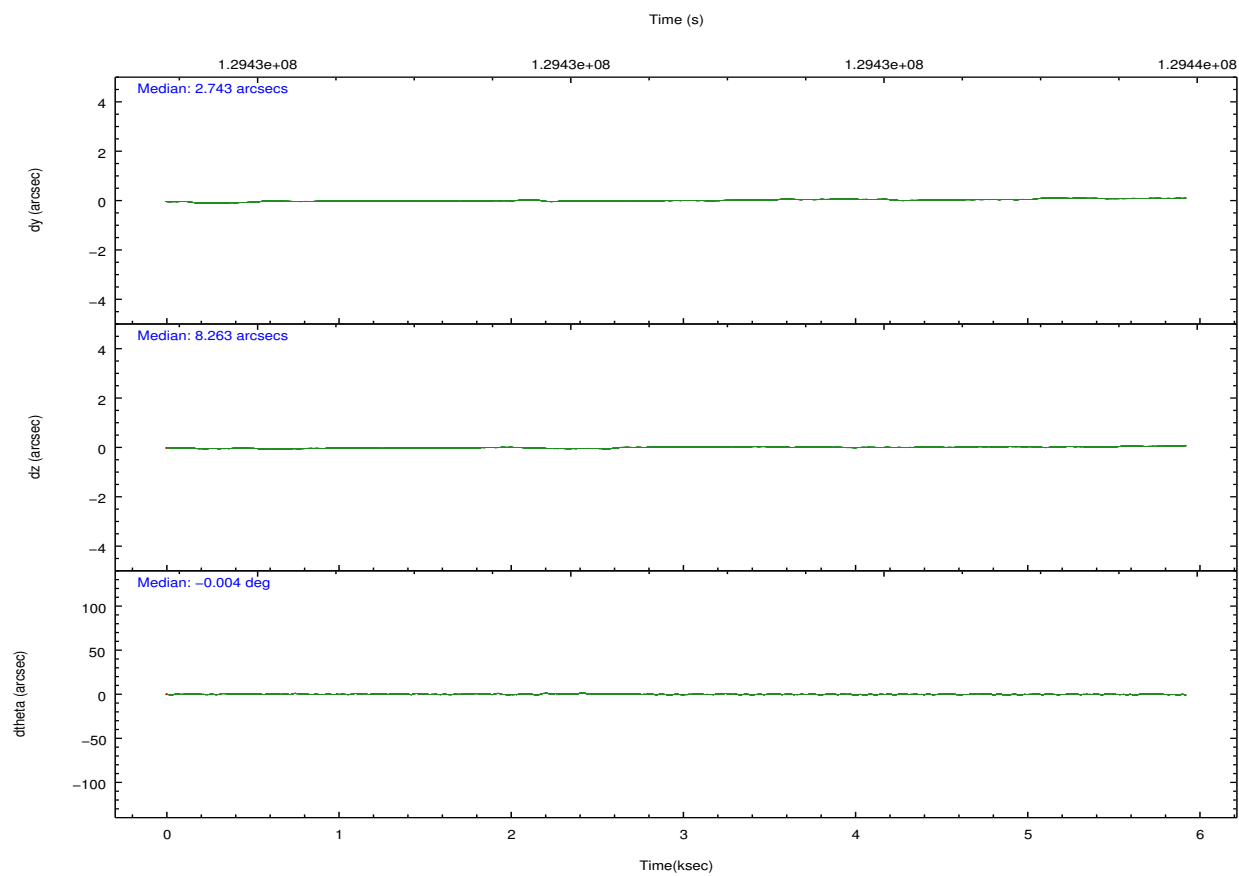
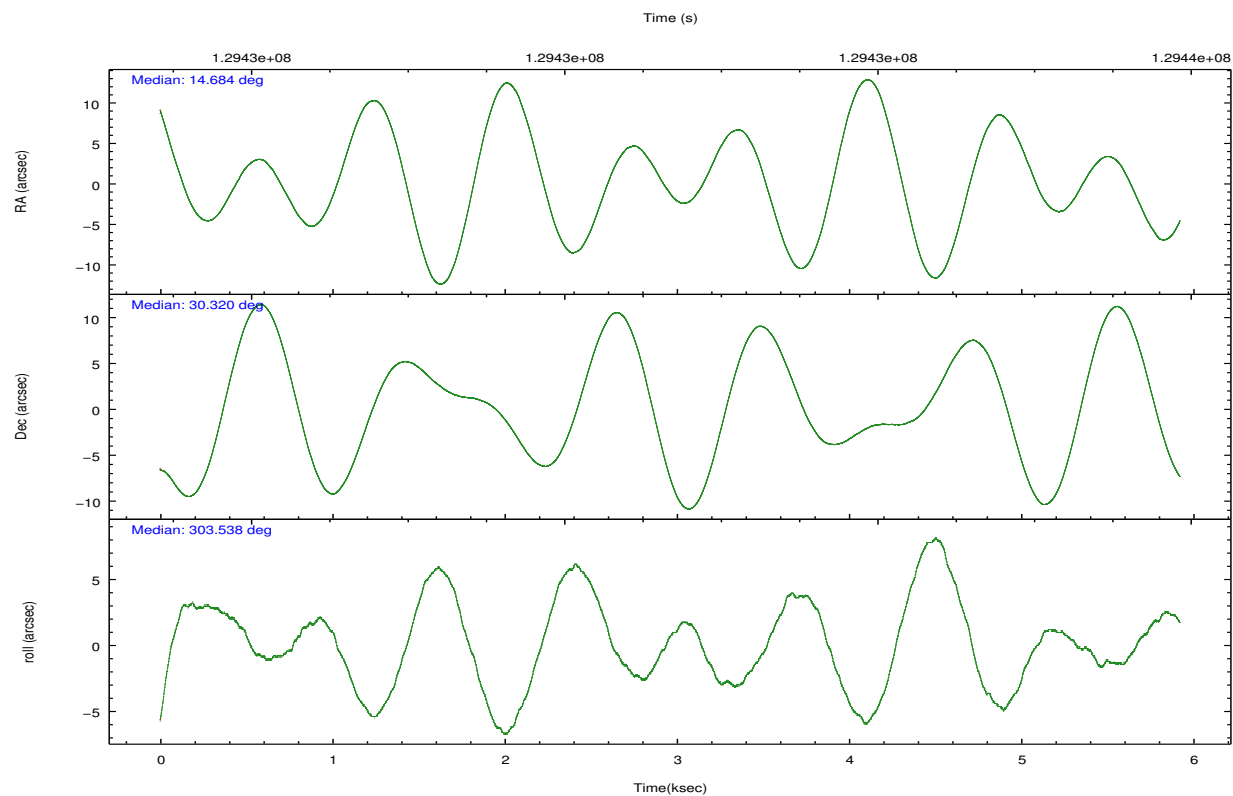
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33032	31340	54369	32534	48068	40747	grade 0 events	1627	1758	4762	1918	2359	3025
rejected events	29299	27471	25648	28383	24610	31862		4%	5%	8%	5%	4%	7%
rejected %	88%	87%	47%	87%	51%	78%	grade 1 events	16	19	178	20	37	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	799	762	8087	819	4535	1867
								2%	2%	14%	2%	9%	4%
							grade 3 events	343	333	1250	363	2011	963
								1%	1%	2%	1%	4%	2%
							grade 4 events	313	359	1314	338	2129	891
								0%	1%	2%	1%	4%	2%
							grade 5 events	1126	1232	3635	1401	4076	1762
								3%	3%	6%	4%	8%	4%
							grade 6 events	656	665	13337	714	12450	2149
								1%	2%	24%	2%	25%	5%
							grade 7 events	28152	26212	21806	26961	20471	30061
								85%	83%	40%	82%	42%	73%

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	14.655195	14.68357065541241	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.332083	30.3202375598703	Alternating exposures requested	N	N
[deg] Pointing Roll	303.400160	303.5424496614208	[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)	129430630.184000	129429304.84061			
Observation start date	2002-02-07T00:56:06	2002-02-07T00:35:04			
[s] Observation end time (MET)	129435630.184000	129436124.67838			
Observation end date	2002-02-07T02:19:26	2002-02-07T02:28:44			
Read mode	TIMED	TIMED			

2.3 Aspect



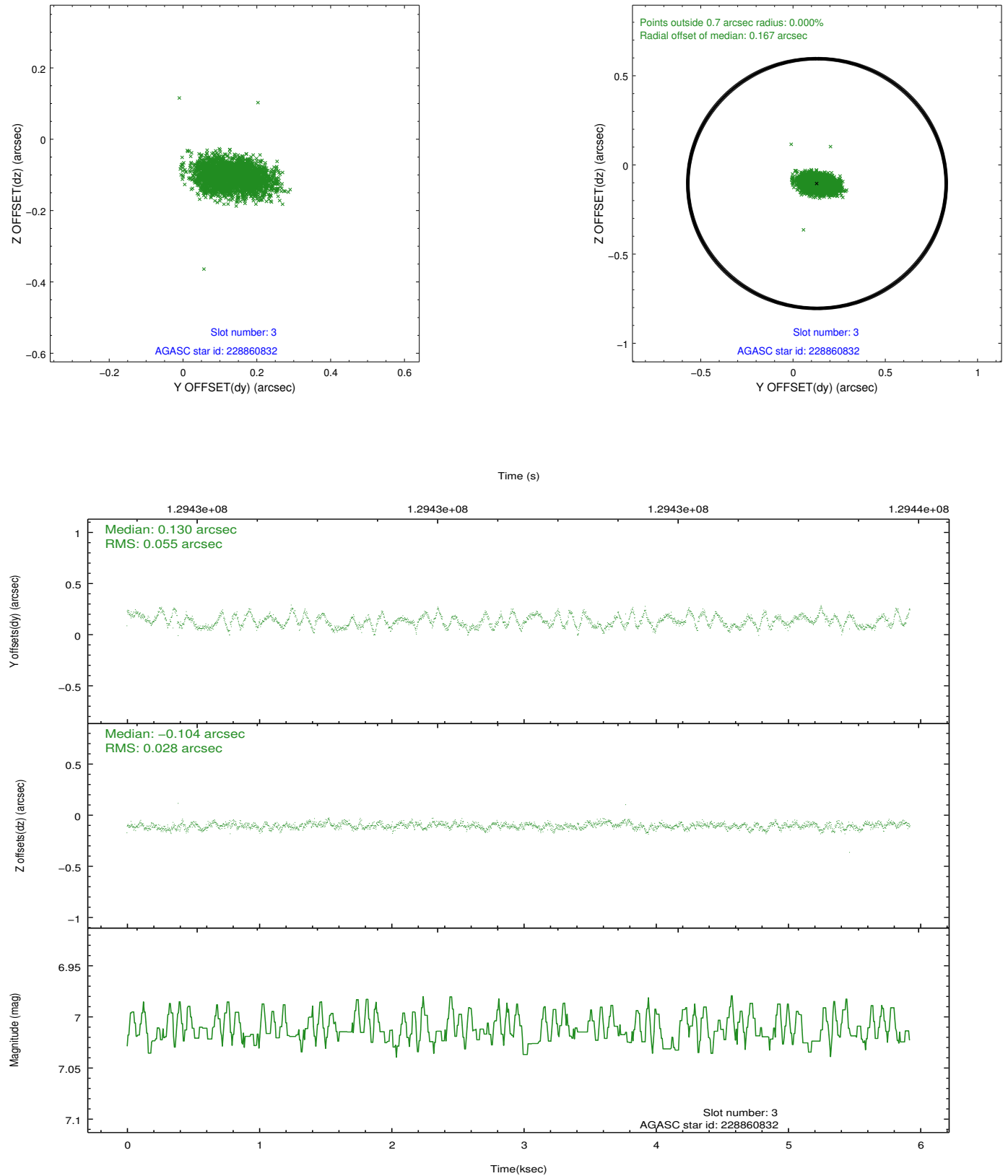


Slot Statistics

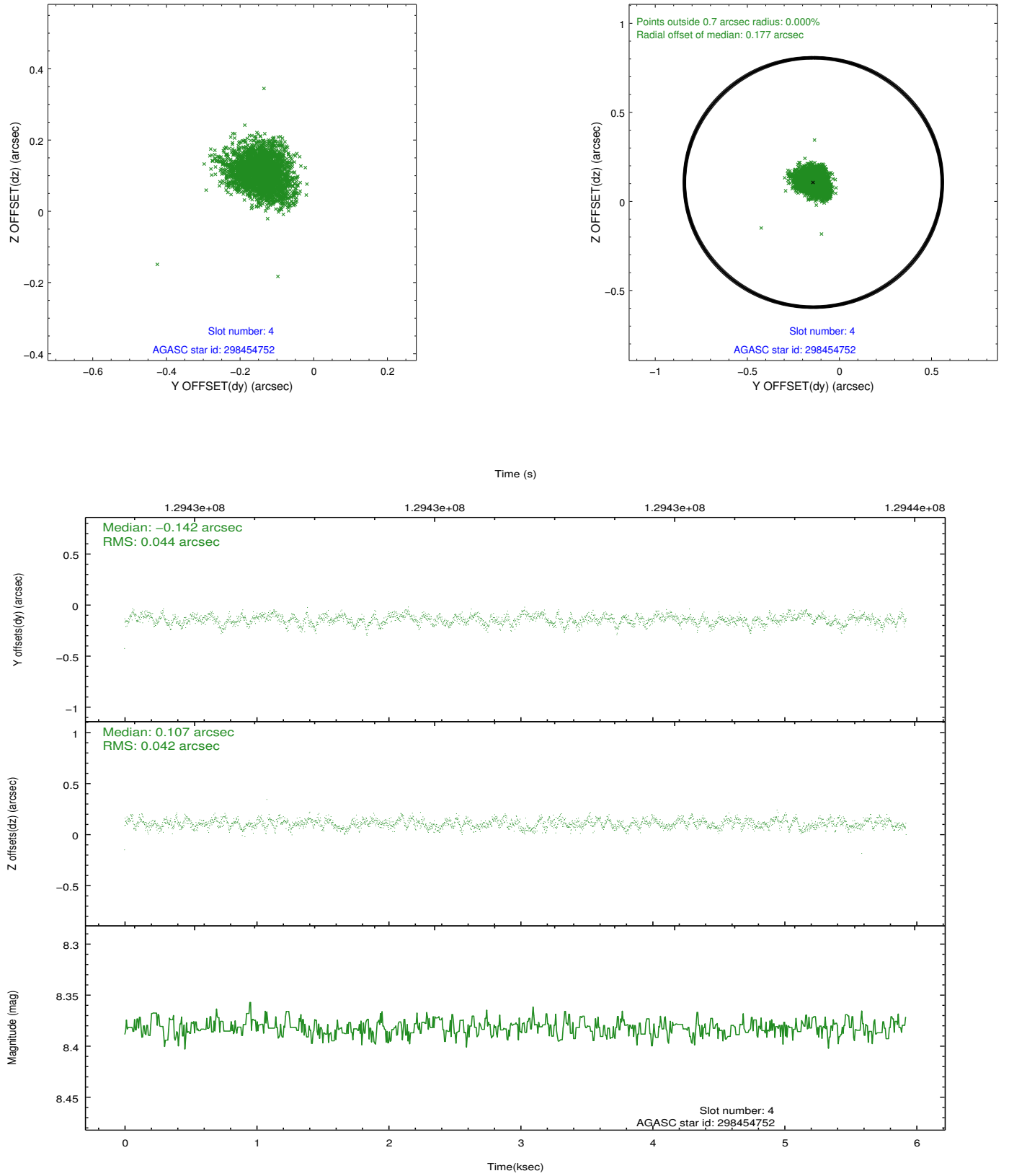
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1445	-0.004	-0.001	0.006	0.011	0.000000	0.000000	-755.40	-1729.40
1	FID	ACIS-S-4	7.20	1445	-0.050	0.002	0.005	0.010	0.000000	0.000000	2157.39	178.03
2	FID	ACIS-S-5	7.24	1445	0.024	0.008	0.007	0.011	0.000000	0.000000	-1806.91	172.88
3	GUIDE	228860832	7.01	2890	0.130	-0.104	0.065	0.105	14.474030	29.521365	2124.59	-2080.63
4	GUIDE	298454752	8.38	2890	-0.142	0.107	0.065	0.104	14.607216	31.096770	-2378.93	1390.81
5	GUIDE	298454712	8.47	2890	0.144	0.143	0.053	0.086	15.554467	30.162971	2039.35	2008.11
6	GUIDE	298451464	9.25	2889	-0.030	-0.140	0.076	0.122	14.113380	30.265595	-729.84	-1535.90
7	GUIDE	298453544	9.34	2885	-0.100	-0.005	0.077	0.123	14.058324	30.732014	-2222.80	-747.85

2.4 Star Slots

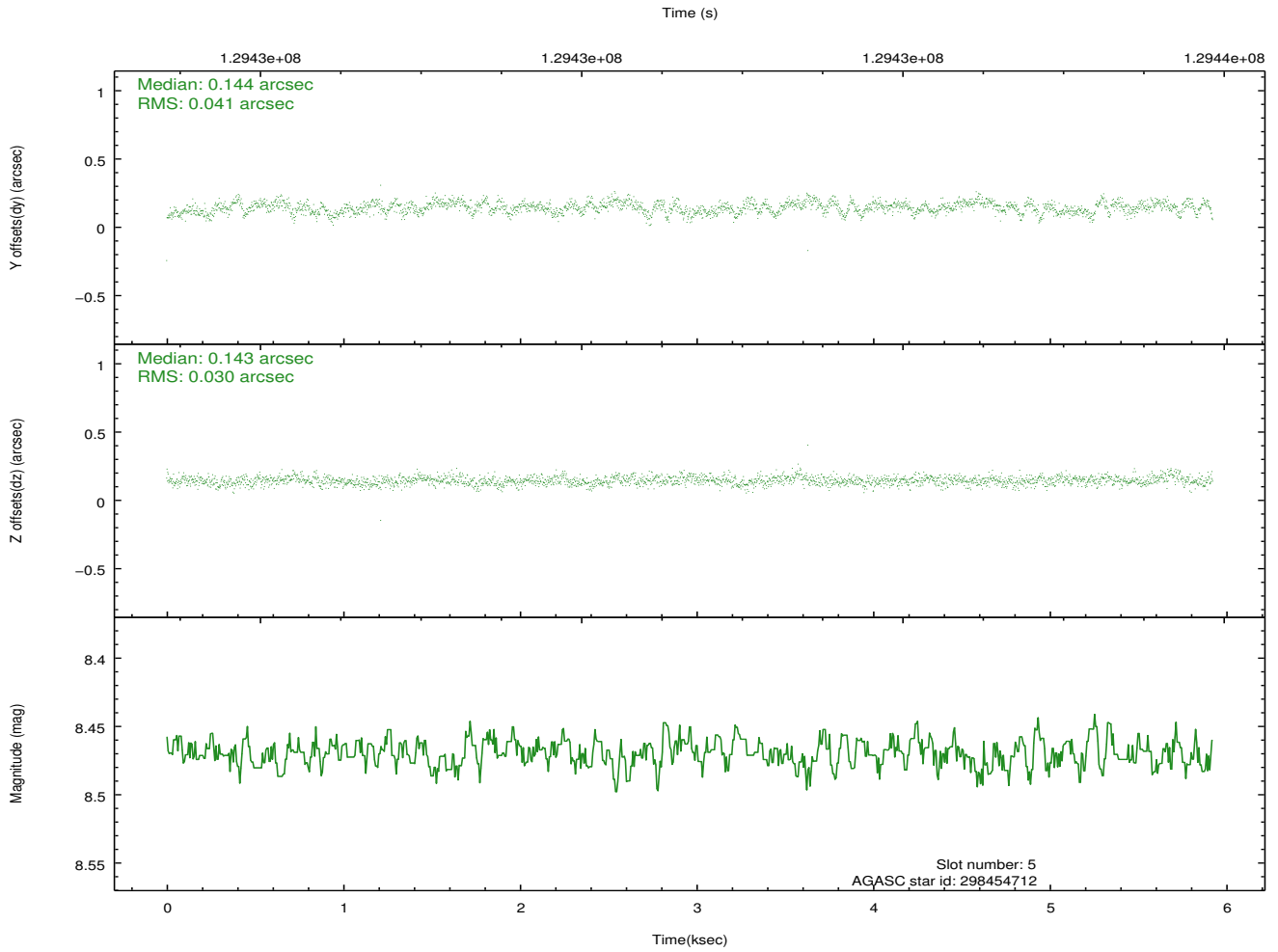
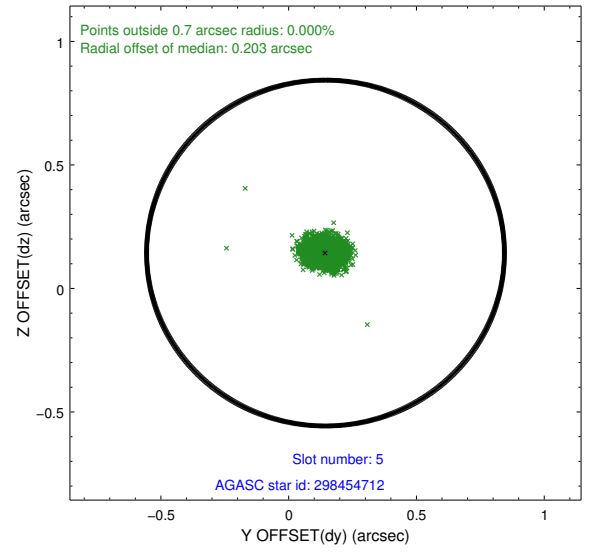
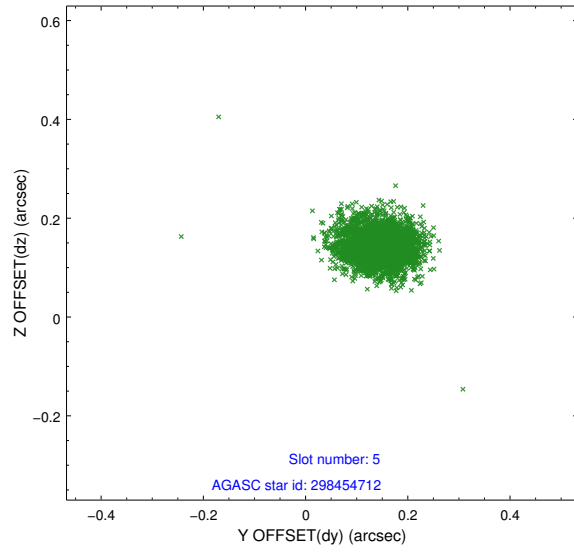
2.4.1 Slot 3



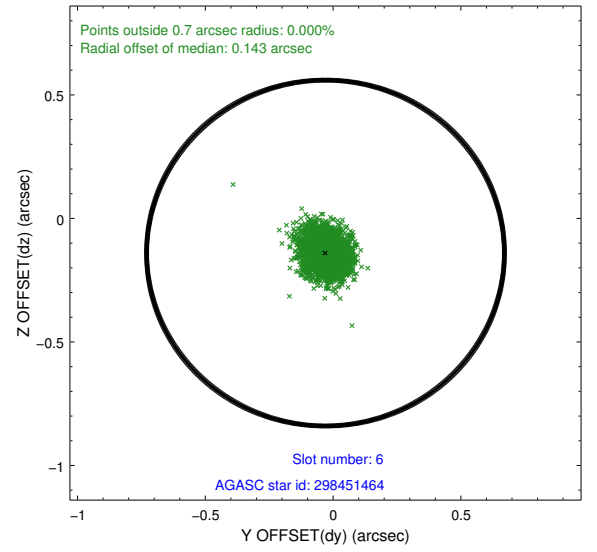
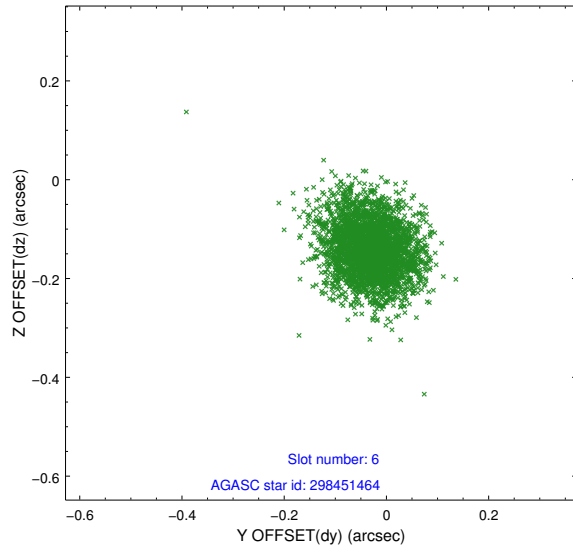
2.4.2 Slot 4



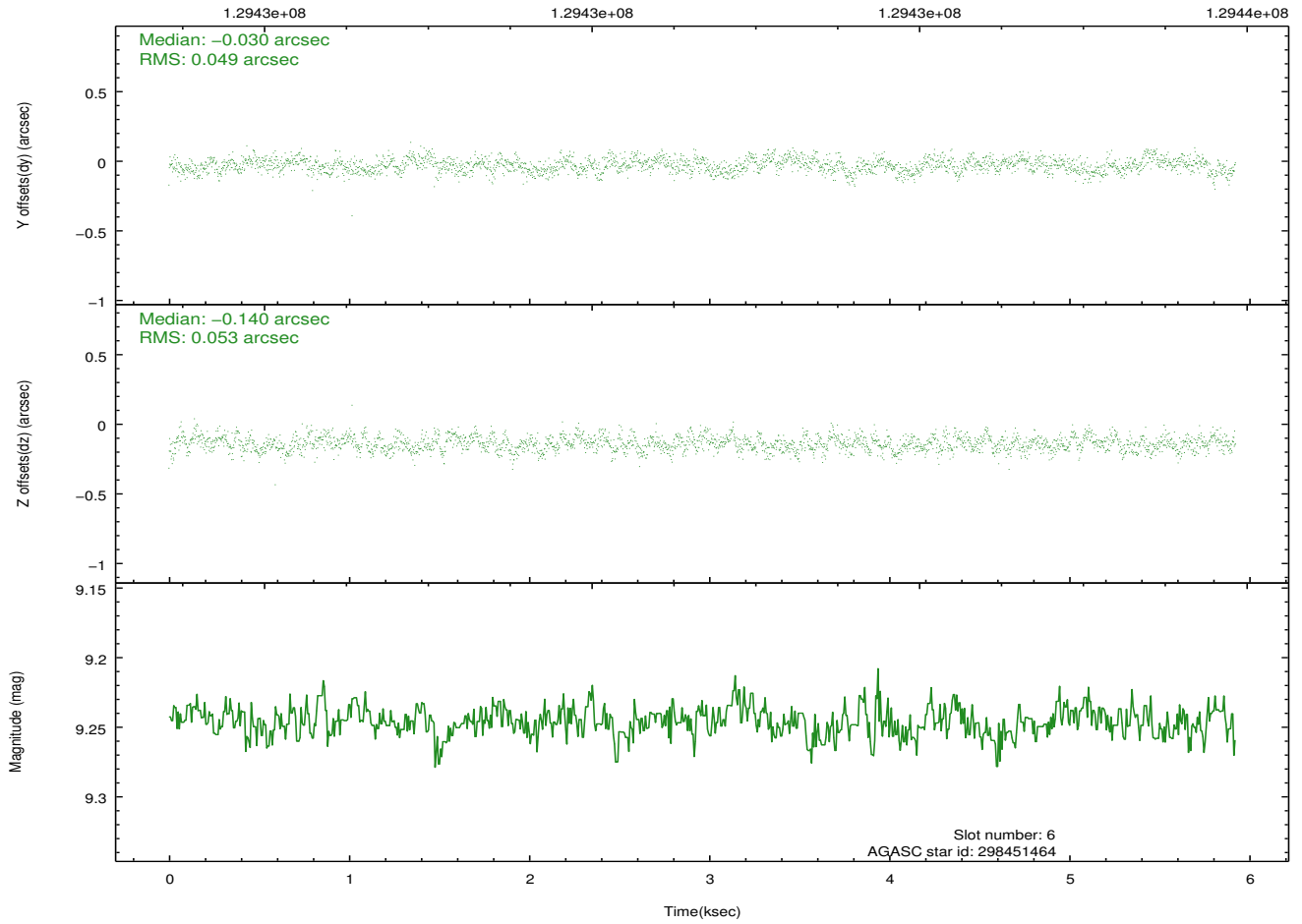
2.4.3 Slot 5



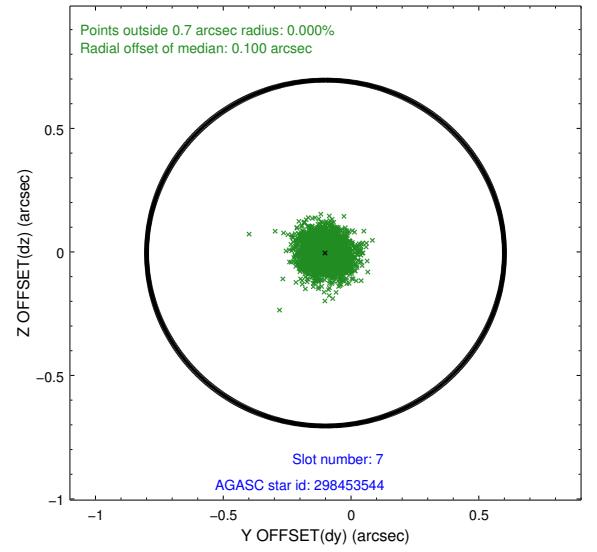
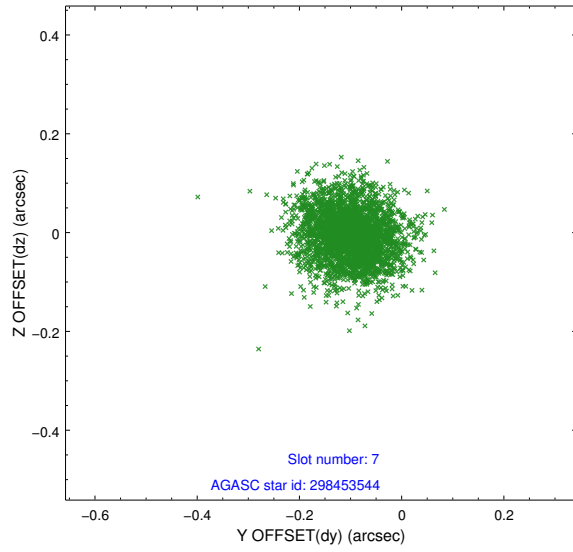
2.4.4 Slot 6



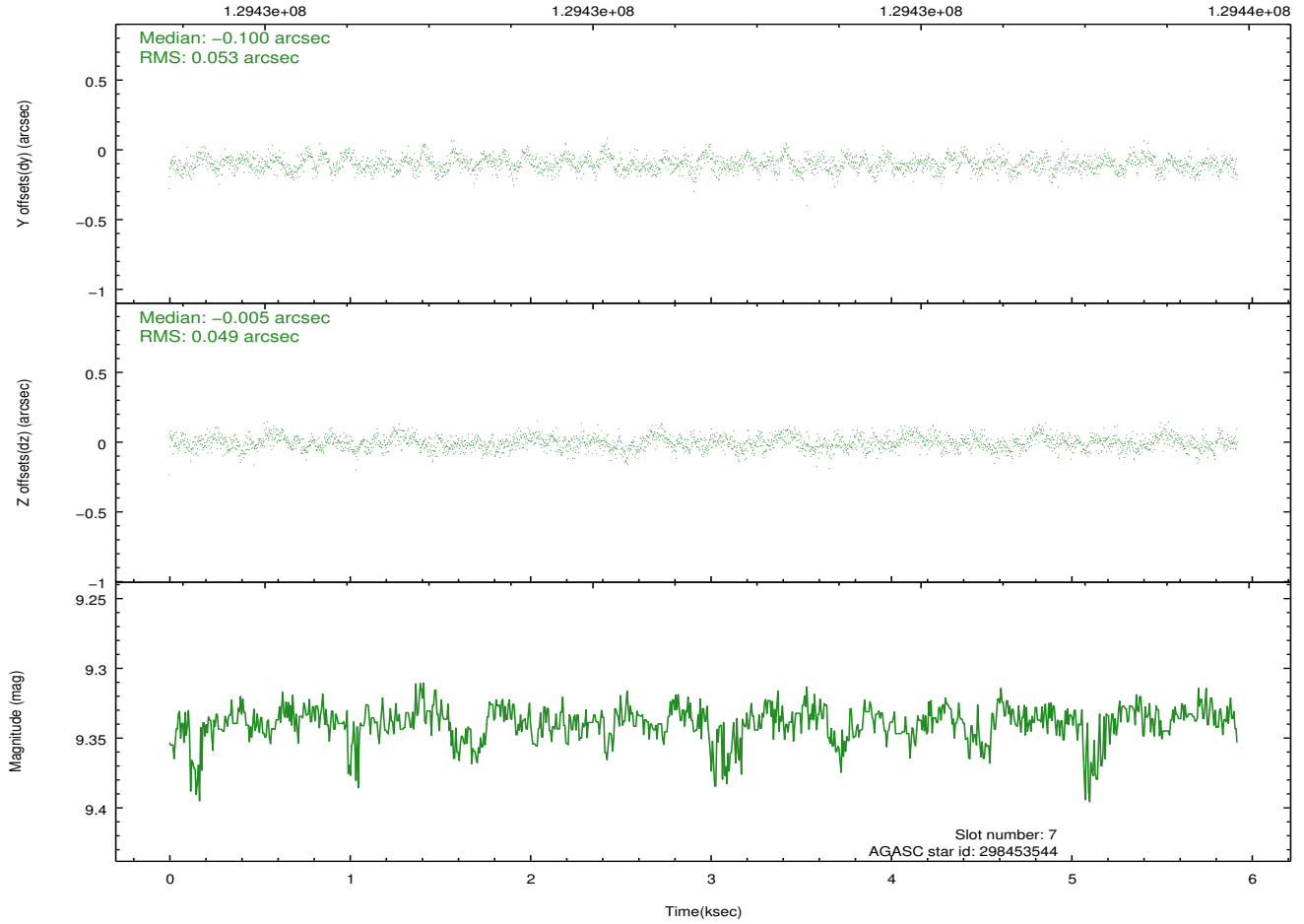
Time (s)



2.4.5 Slot 7

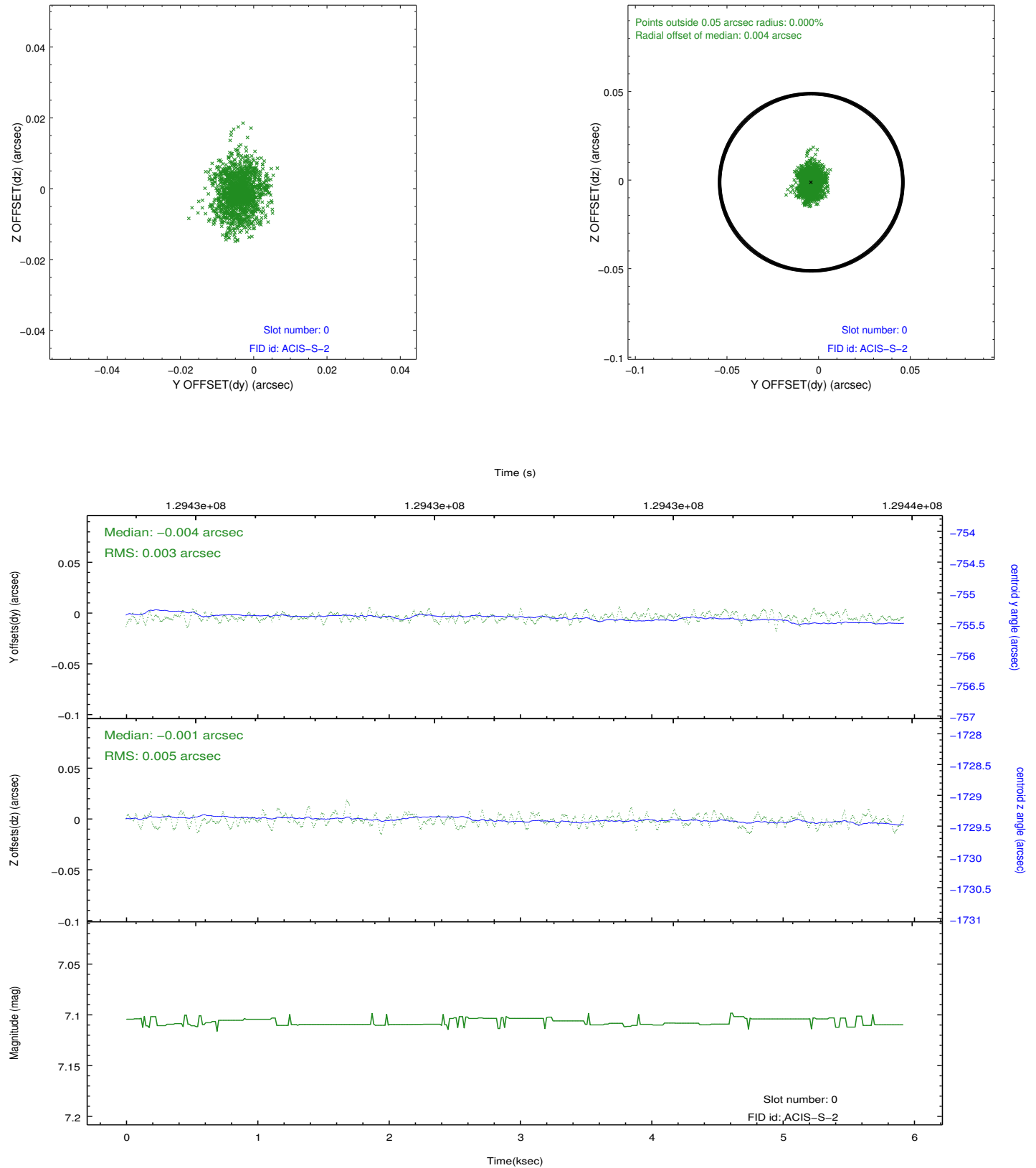


Time (s)

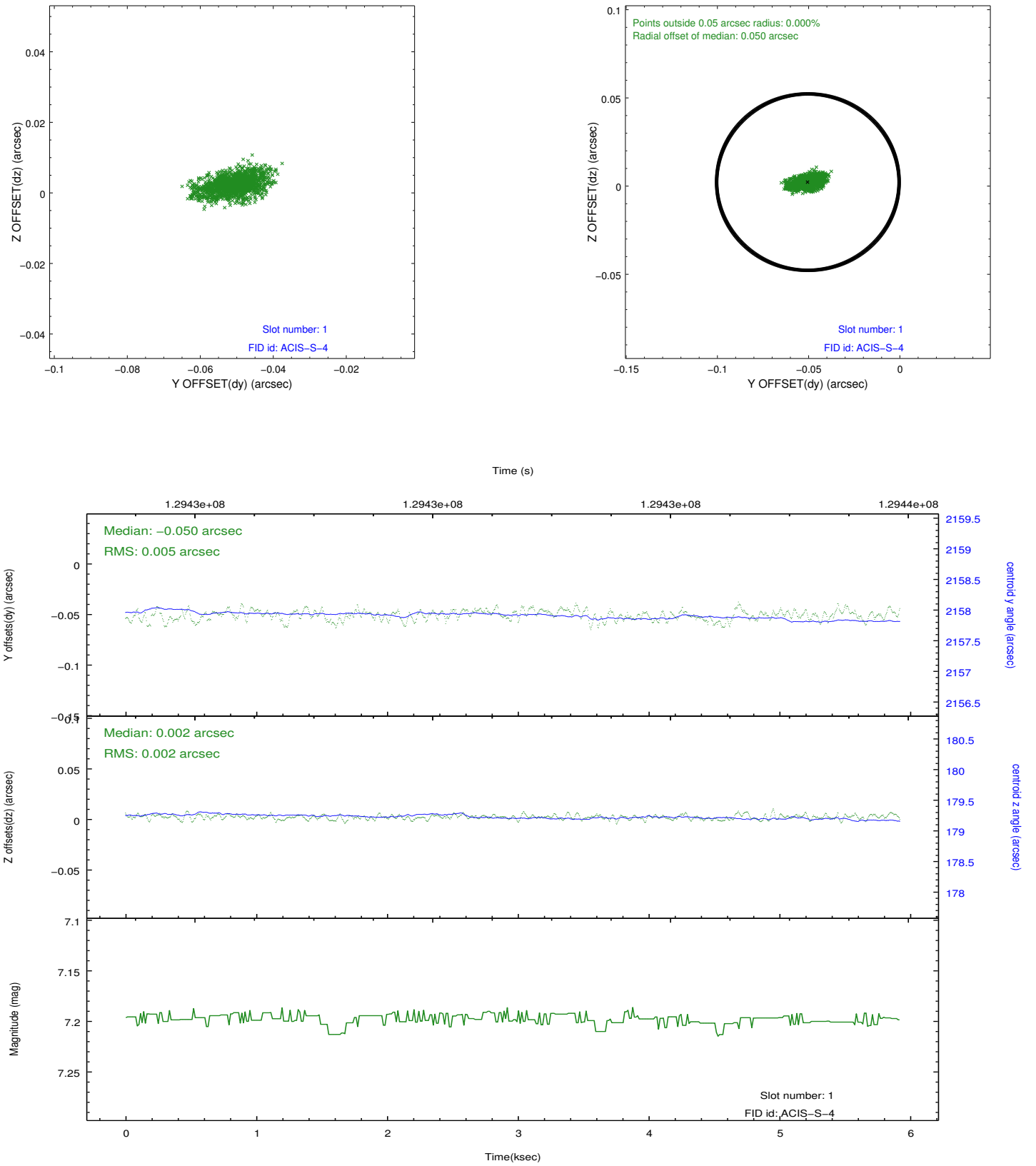


2.5 FID Slots

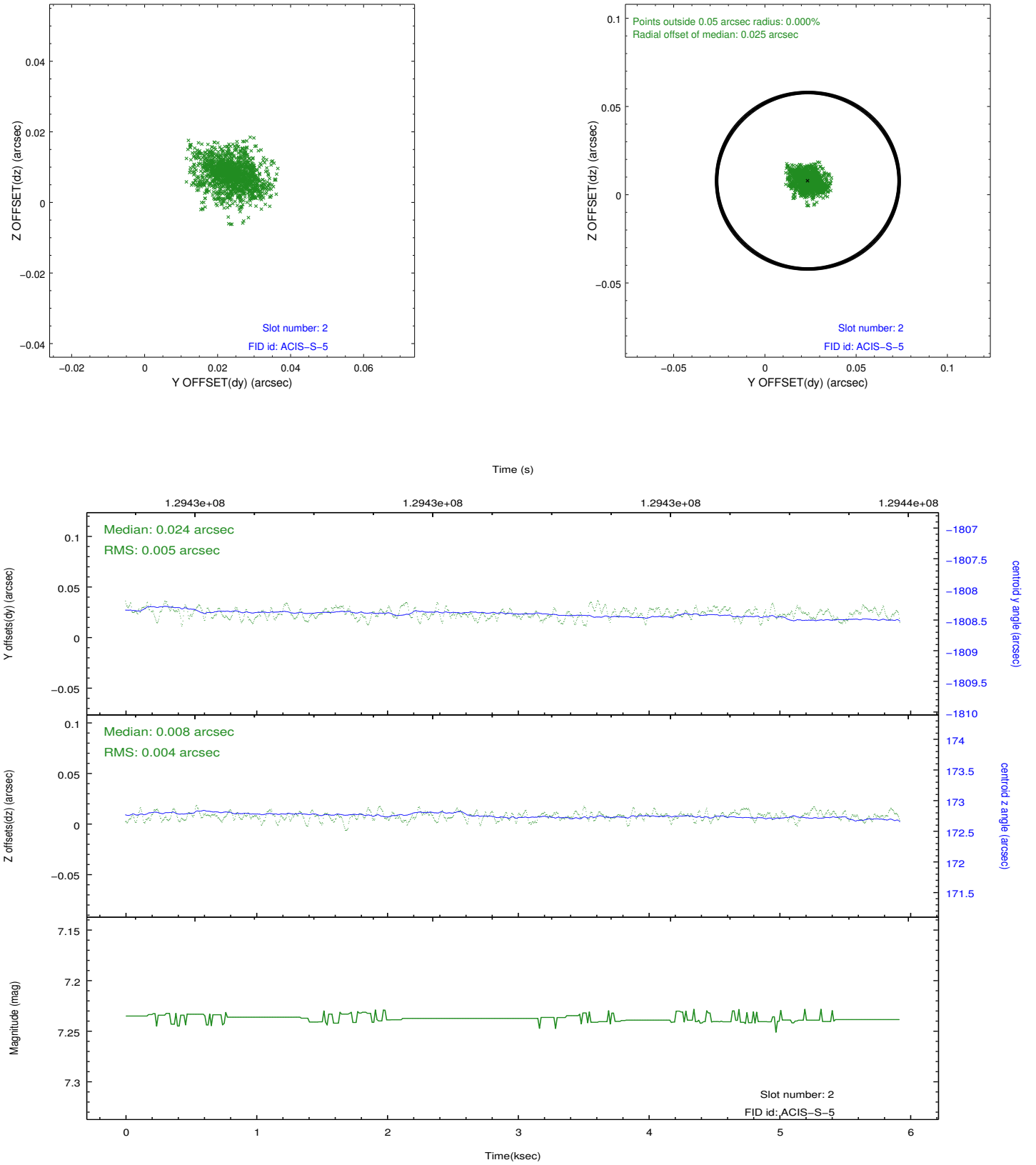
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.96

A.2 Comments

Joint proposal with NOAO.