

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3555 - L2 Version 3
Chandra X-Ray Center

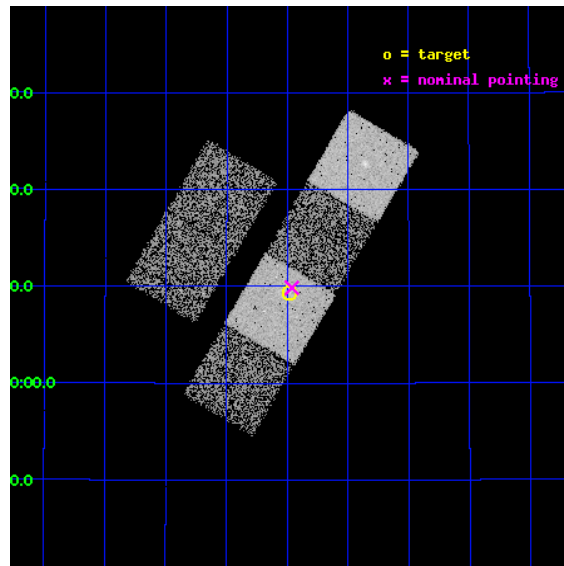
L2 Processing Date : Nov 1 2012

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1 Front

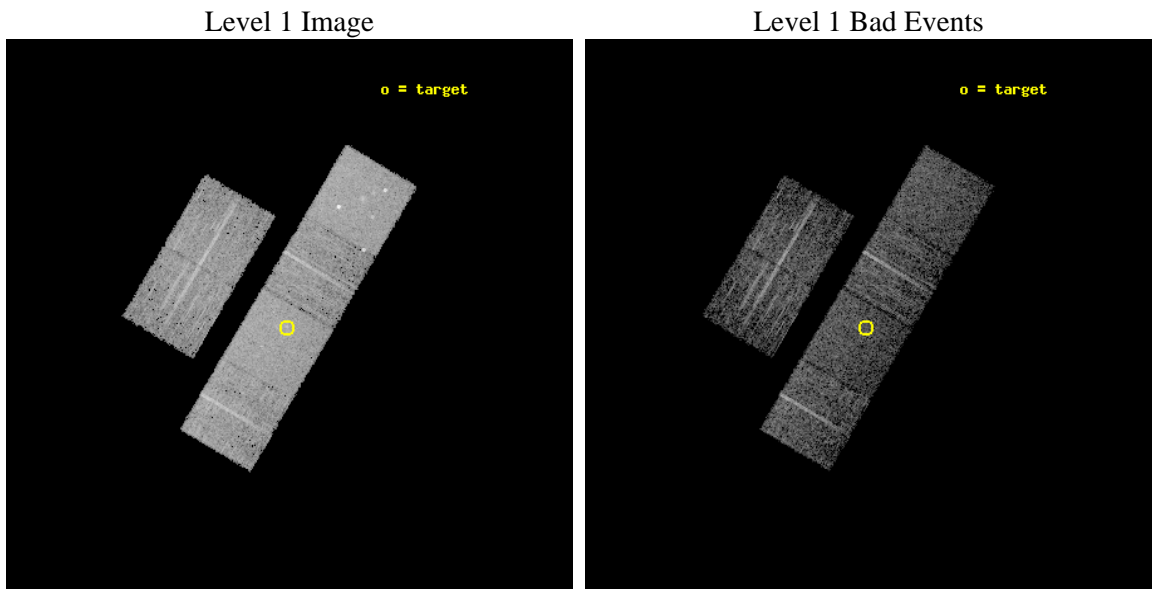
seq_num	700617	Sequence number
obs_id	3555	Observation id
title	THE NATURE OF THE X-RAY SOURCE 1E0104+3153	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	1E0104+3153	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.744583	Observer's specified target RA [deg]
dec_targ	32.155	Observer's specified target Dec [deg]
ra_nom	16.740505040775	Nominal RA [deg]
dec_nom	32.164127351221	Nominal Dec [deg]
roll_nom	120.54891058041	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5145.5180402994	Sum of GTIs [s]
livetime	5080.3623926141	Livetime [s]
ontime2	5126.0721687675	Sum of GTIs [s]
ontime3	5142.2770999074	Sum of GTIs [s]
ontime5	5142.2770999074	Sum of GTIs [s]
ontime6	5129.3132786155	Sum of GTIs [s]
ontime7	5145.5180402994	Sum of GTIs [s]
ontime8	5126.0722286403	Sum of GTIs [s]
l2events	53424	Number of level 2 events



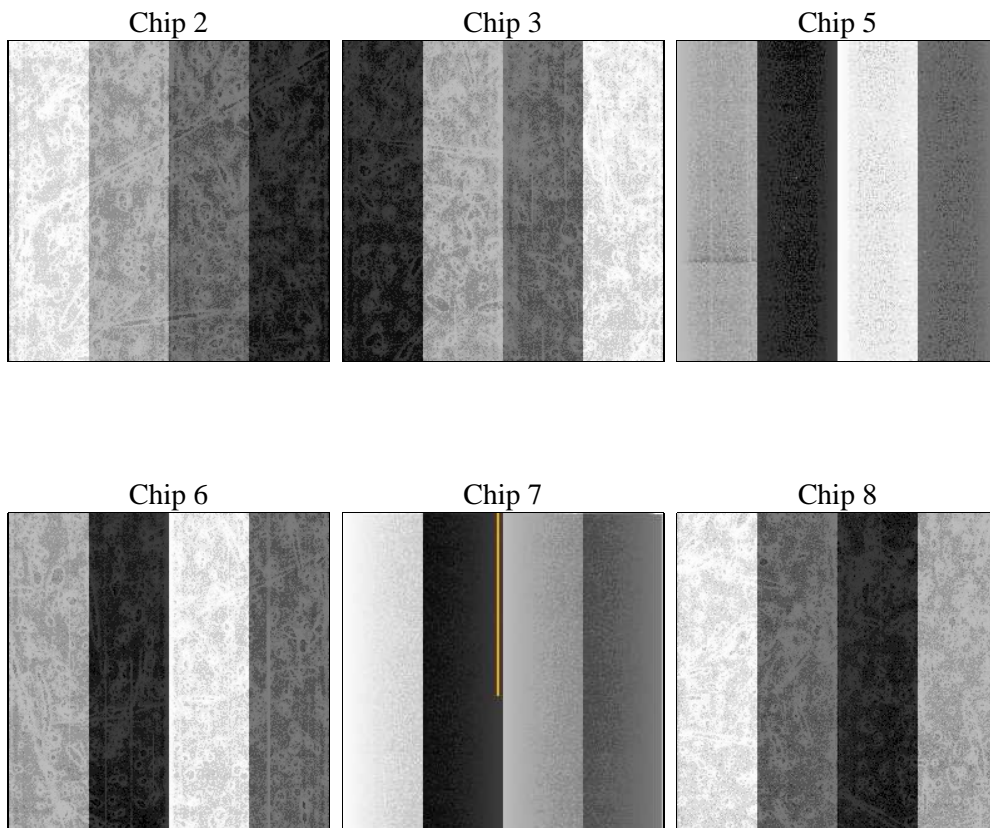
2 OBI

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	5145.5180402994	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5126.0721687675	Sum of GTIs [s]
date	2012-11-01T10:35:29	Date and time of file creation	ontime3	5142.2770999074	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5142.2770999074	Sum of GTIs [s]
			ontime6	5129.3132786155	Sum of GTIs [s]
			ontime7	5145.5180402994	Sum of GTIs [s]
			ontime8	5126.0722286403	Sum of GTIs [s]
			l1events	254577	Number of level 1 events

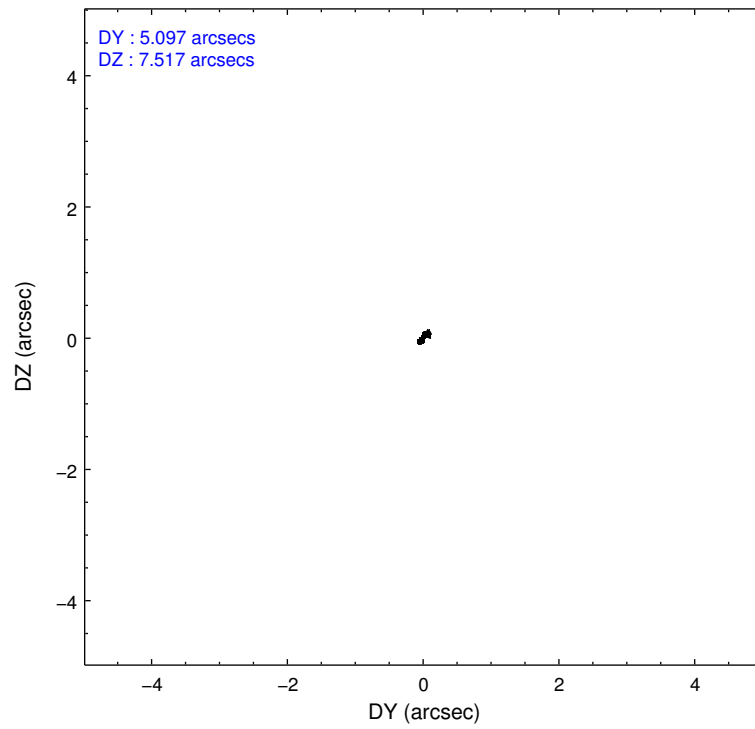
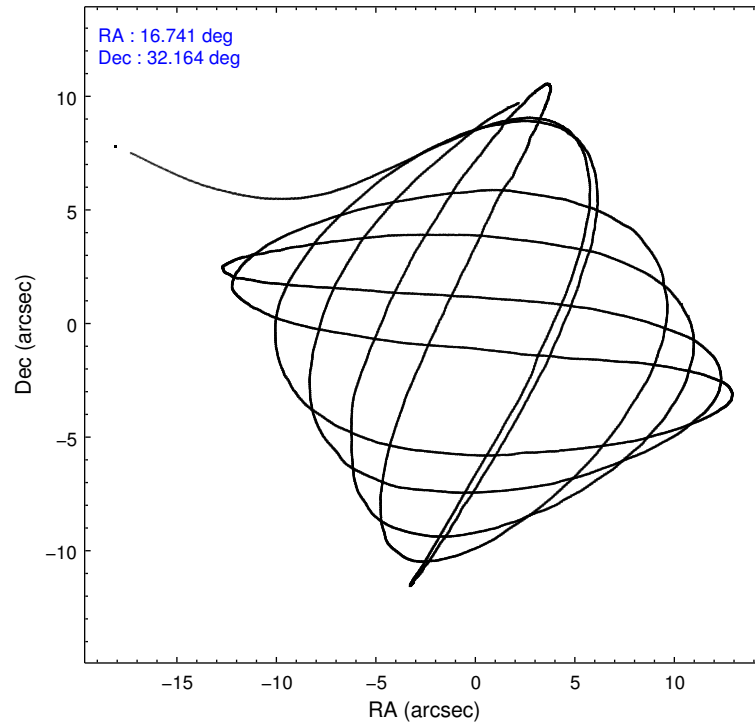
2.1.4 Events

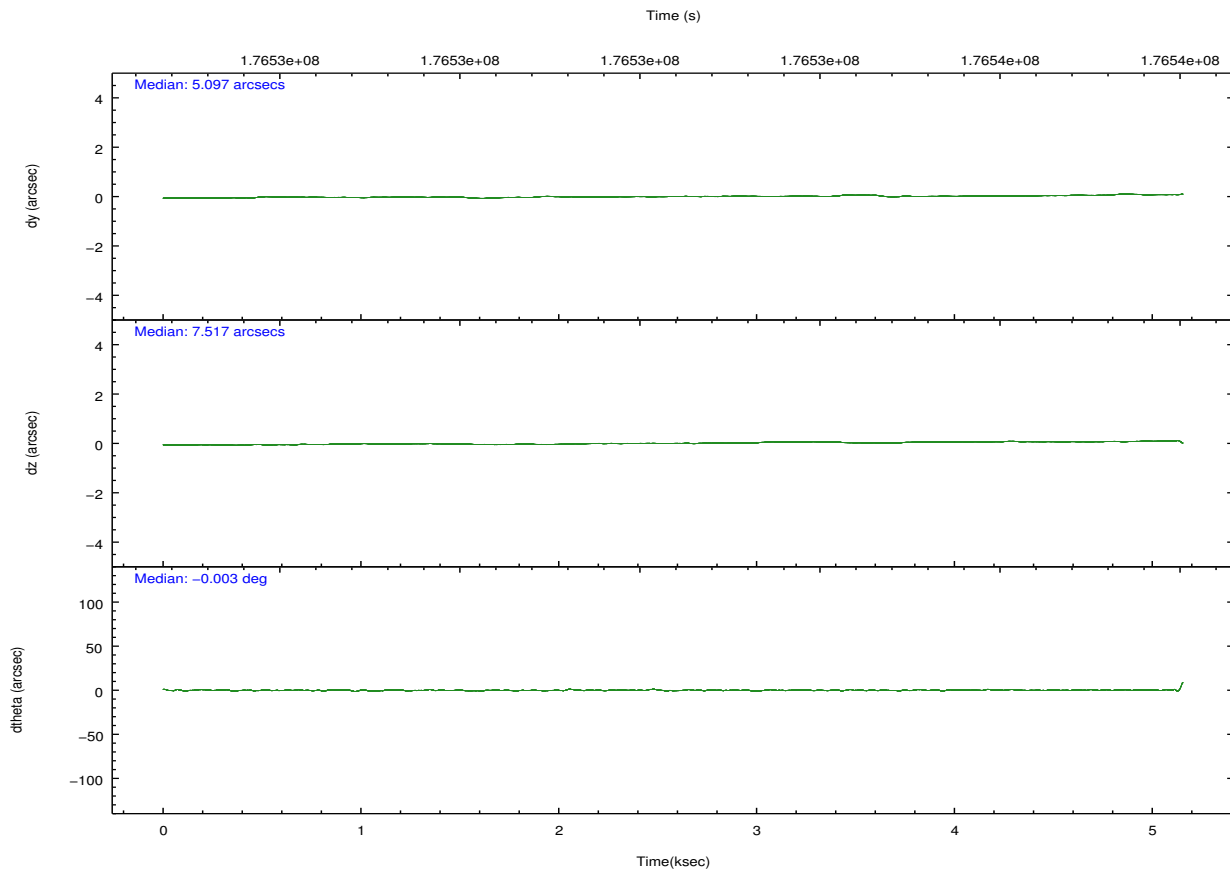
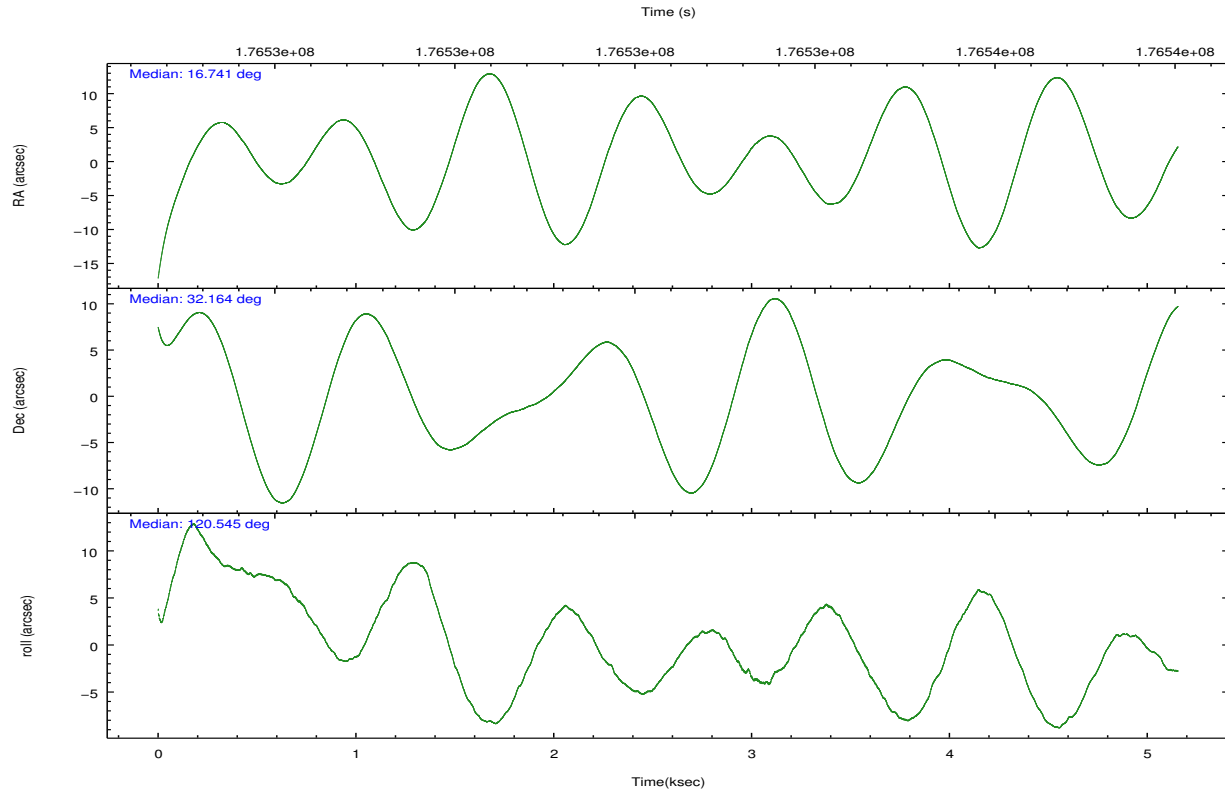
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36513	35055	54283	36467	48044	44215	grade 0 events	2517	2028	4139	1972	2157	2938
rejected events	32085	31149	30898	32276	29298	35597		6%	5%	7%	5%	4%	6%
rejected %	87%	88%	56%	88%	60%	80%	grade 1 events	19	21	125	14	40	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	894	797	7371	911	4180	2239
								2%	2%	13%	2%	8%	5%
							grade 3 events	395	422	1016	435	1933	913
								1%	1%	1%	1%	4%	2%
							grade 4 events	407	357	1070	416	1867	923
								1%	1%	1%	1%	3%	2%
							grade 5 events	1491	1561	3827	1610	4531	2110
								4%	4%	7%	4%	9%	4%
							grade 6 events	680	735	12352	901	10662	2514
								1%	2%	22%	2%	22%	5%
							grade 7 events	30110	29134	24383	30208	22674	32554
								82%	83%	44%	82%	47%	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	16.768812	16.74050504077484	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.150995	32.16412735122061	Alternating exposures requested	N	N
[deg] Pointing Roll	120.377252	120.5489105804091	[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)	176530764.184000	176529422.61003			
Observation start date	2003-08-06T04:18:20	2003-08-06T03:57:02			
[s] Observation end time (MET)	176535764.184000	176536707.79784			
Observation end date	2003-08-06T05:41:40	2003-08-06T05:58:27			
Read mode	TIMED	TIMED			

2.3 Aspect



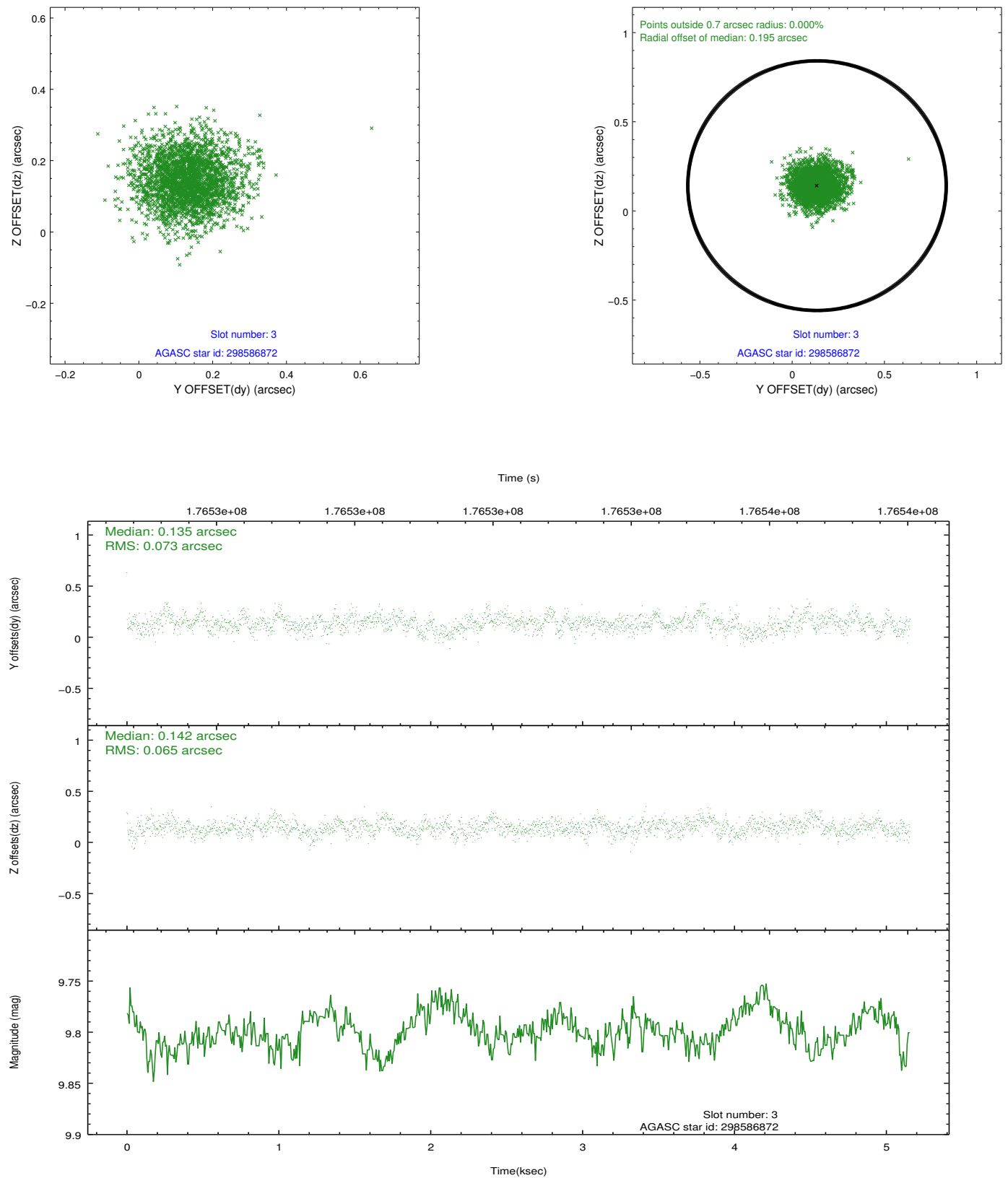


Slot Statistics

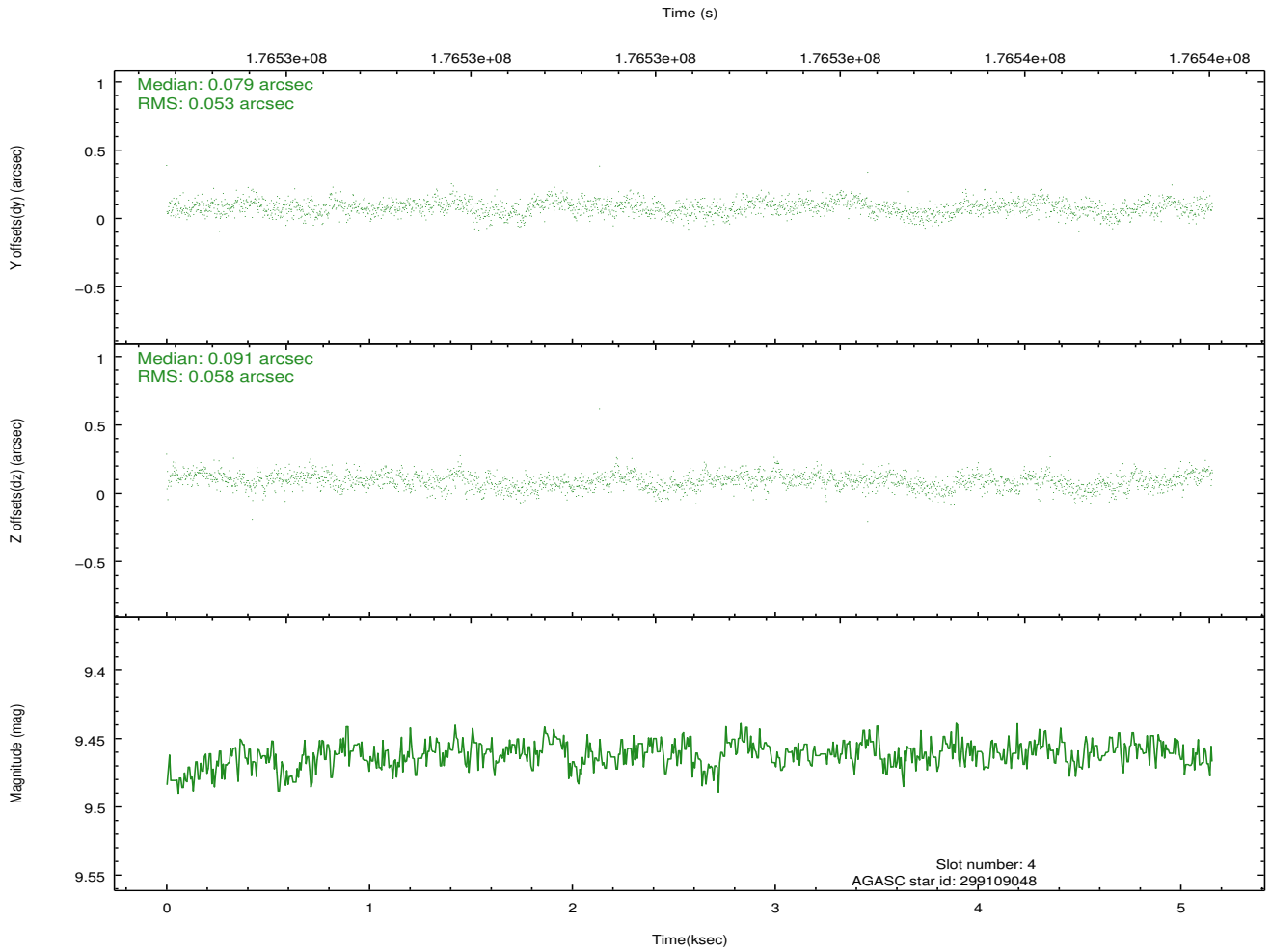
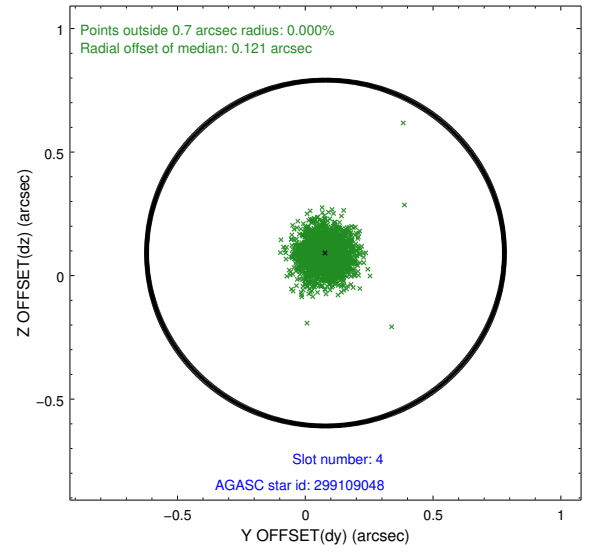
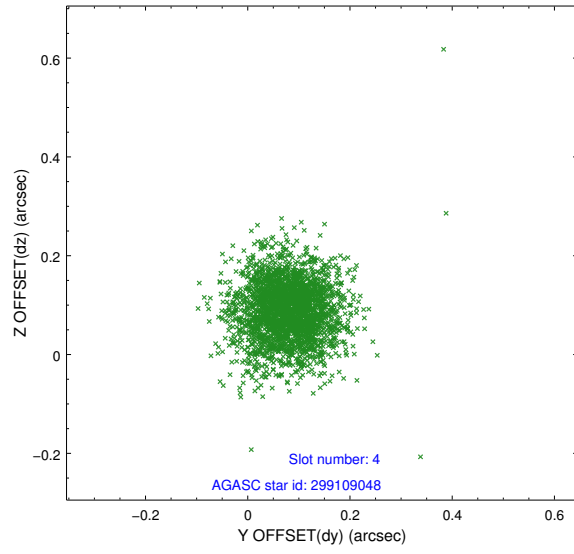
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1243	-0.033	-0.039	0.006	0.013	0.000000	0.000000	-757.85	-1728.68
1	FID	ACIS-S-4	7.21	1241	0.081	0.026	0.005	0.010	0.000000	0.000000	2155.02	178.59
2	FID	ACIS-S-5	7.23	1244	-0.079	0.021	0.007	0.011	0.000000	0.000000	-1809.18	173.67
3	GUIDE	298586872	9.80	2485	0.135	0.142	0.104	0.168	17.232552	31.767053	-1907.45	-526.71
4	GUIDE	299109048	9.46	2495	0.079	0.091	0.081	0.136	17.080774	31.893677	-1280.91	-354.92
5	GUIDE	299113448	9.15	2492	-0.097	-0.051	0.074	0.120	16.510971	32.256490	724.57	484.61
6	GUIDE	299116240	9.29	2493	-0.218	-0.038	0.075	0.122	16.424486	32.161924	565.97	884.90
7	GUIDE	298583832	8.91	2492	0.107	-0.144	0.083	0.128	16.568795	31.329003	-2241.34	2027.08

2.4 Star Slots

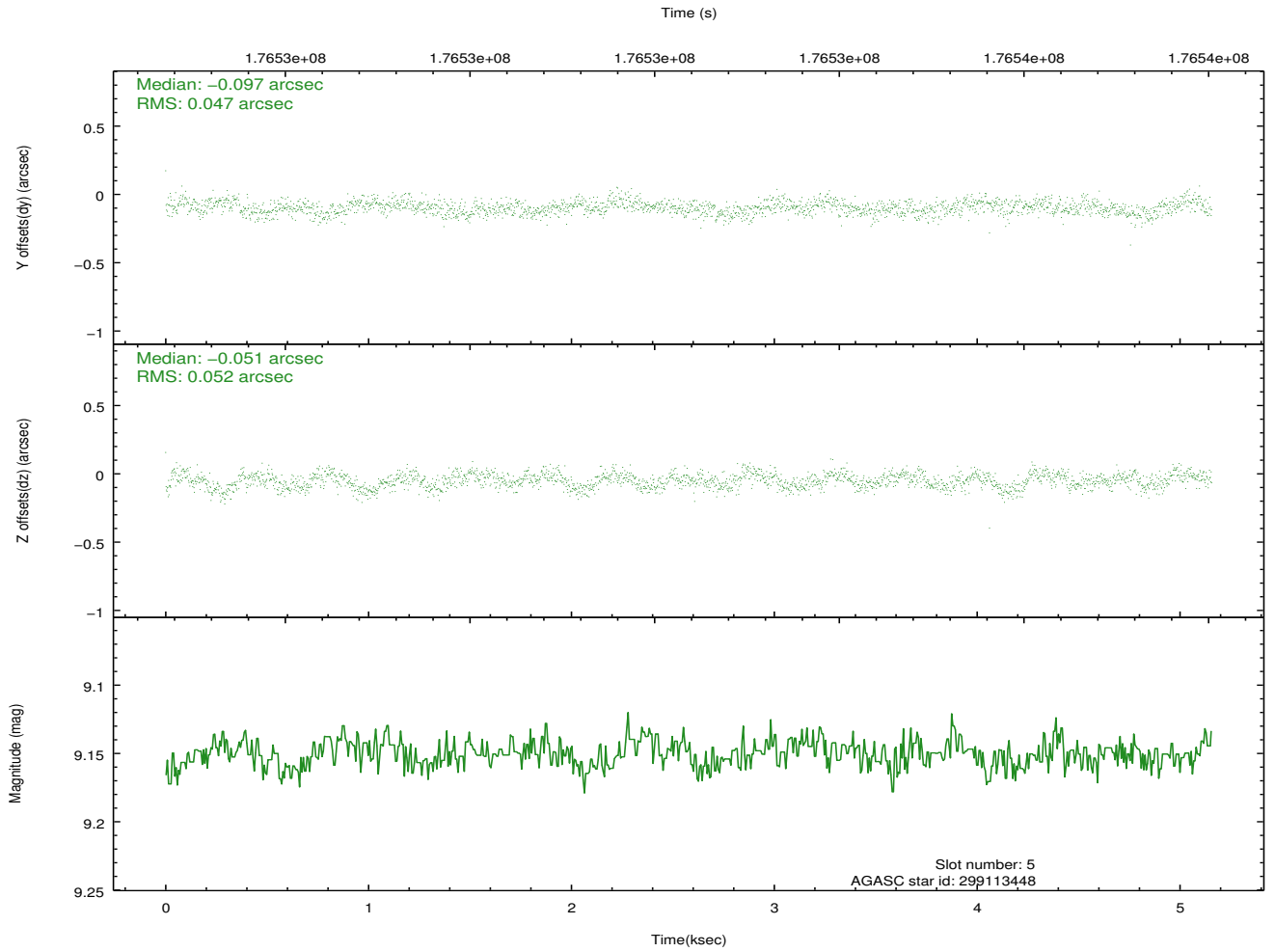
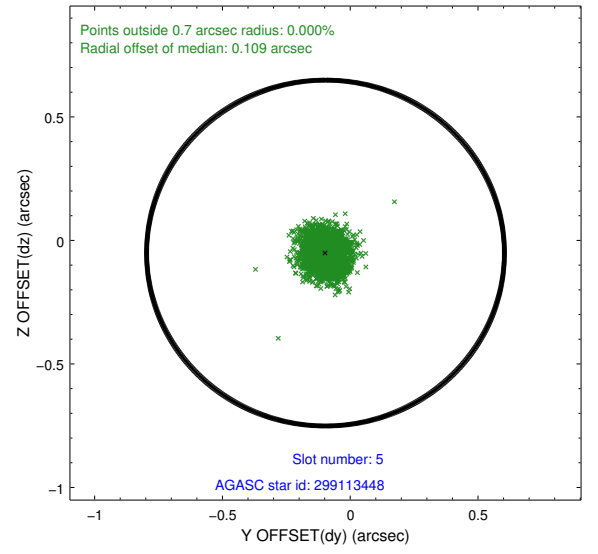
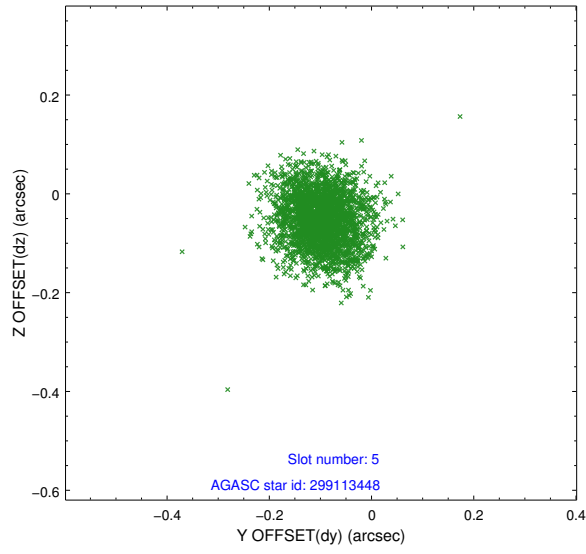
2.4.1 Slot 3



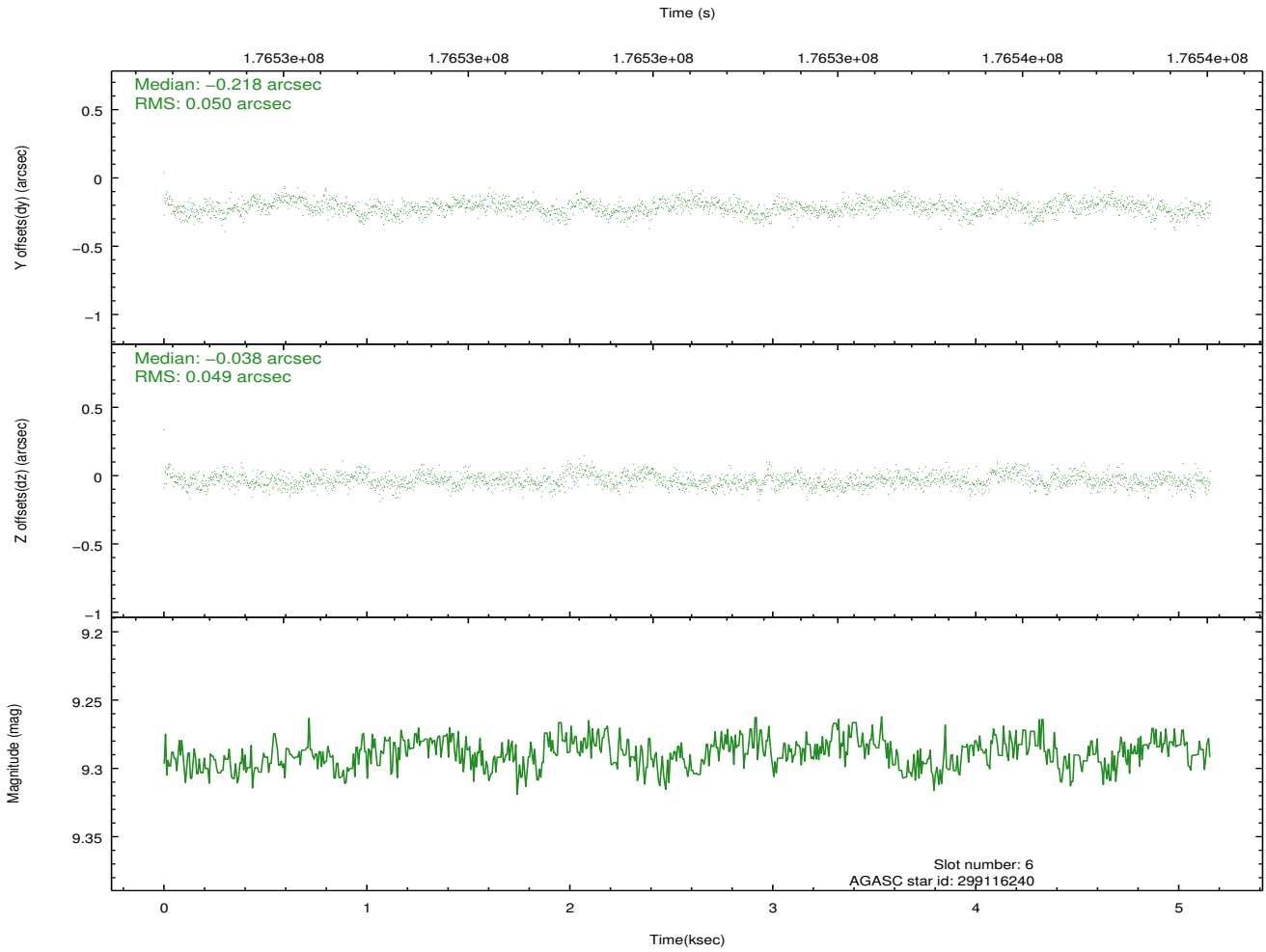
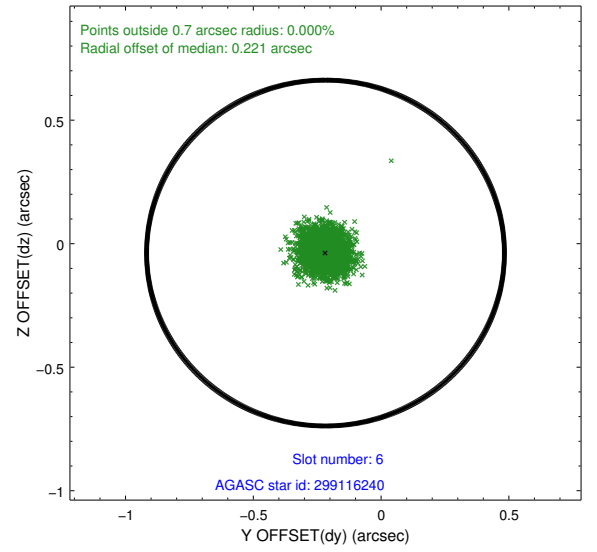
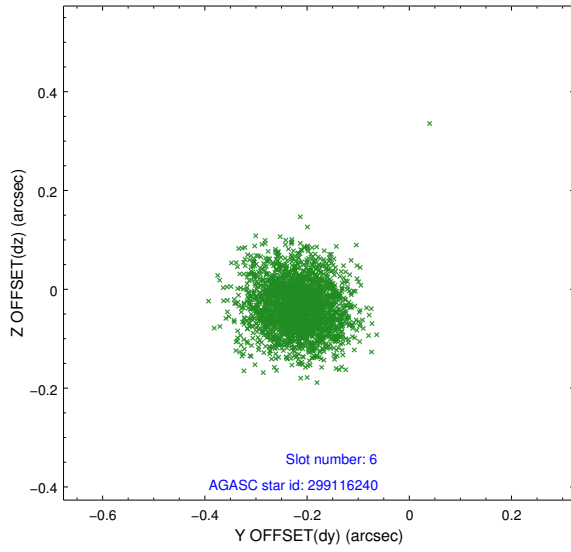
2.4.2 Slot 4



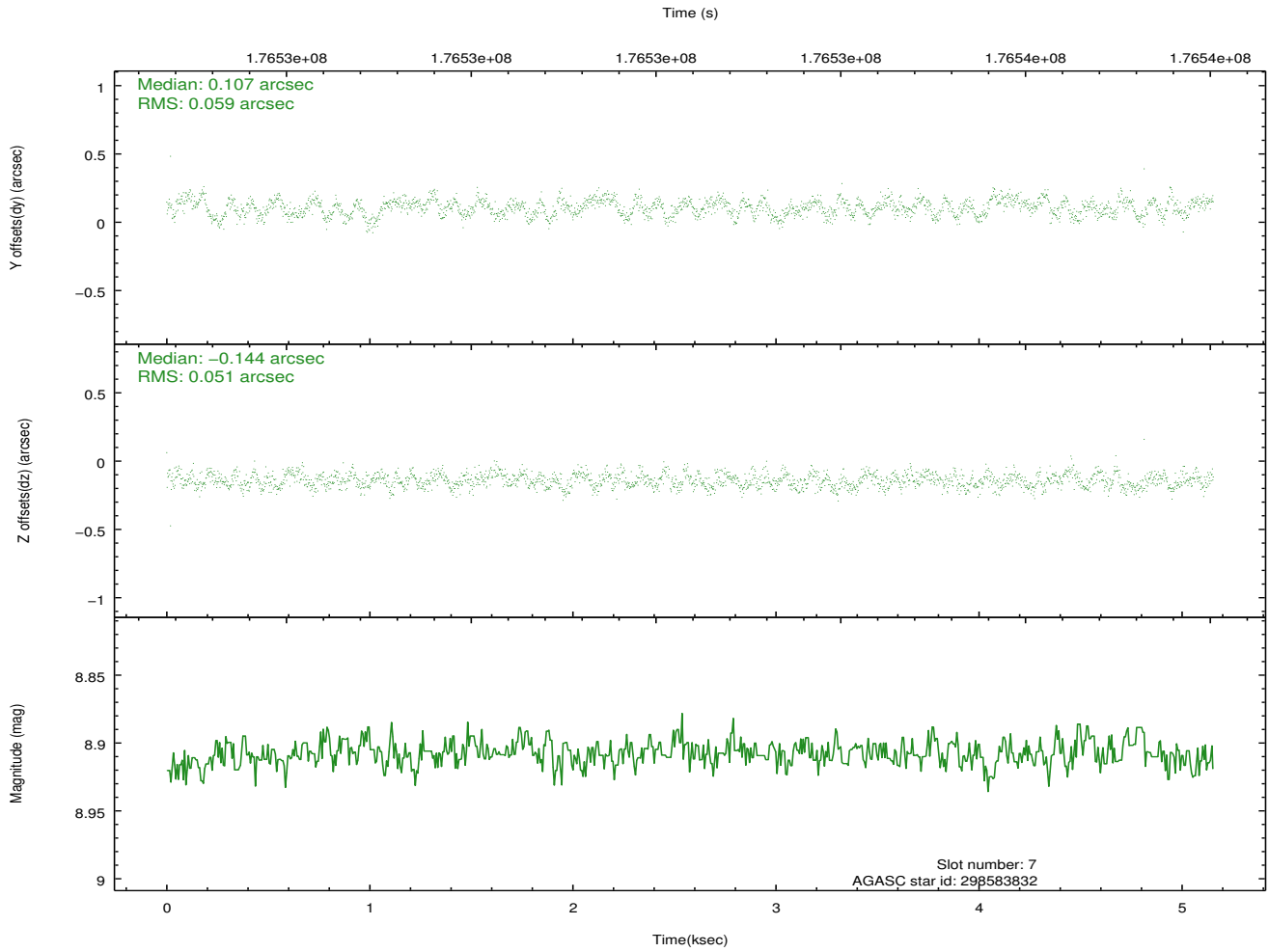
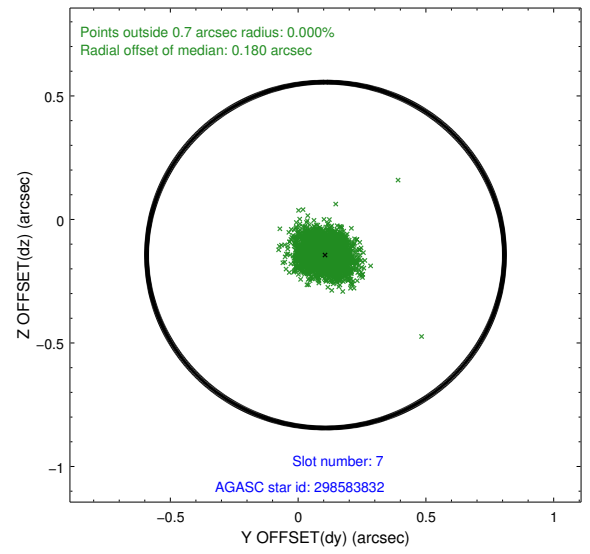
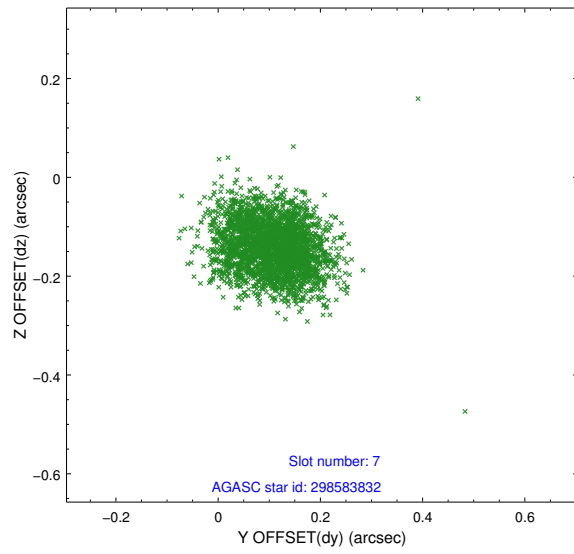
2.4.3 Slot 5



2.4.4 Slot 6

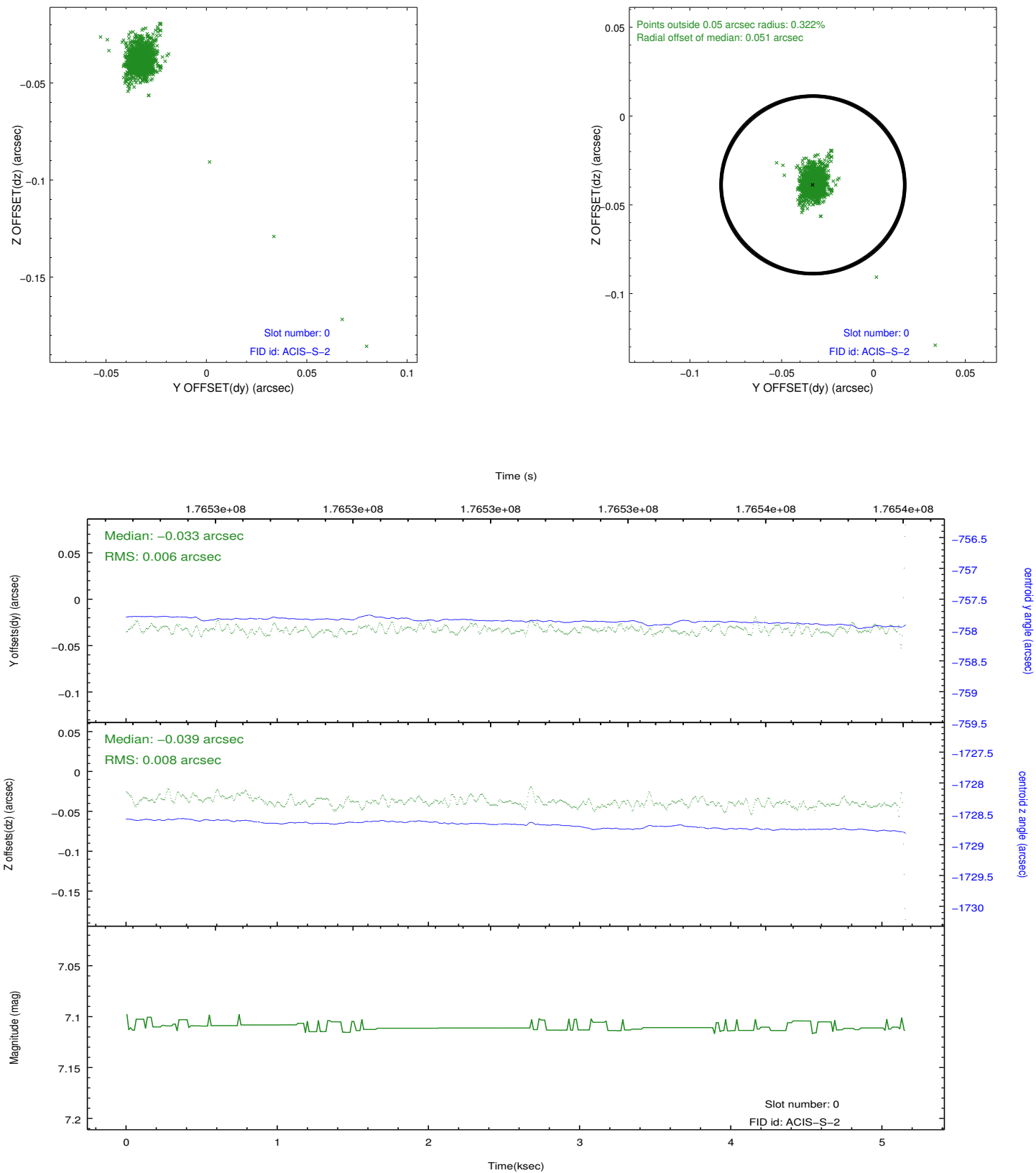


2.4.5 Slot 7

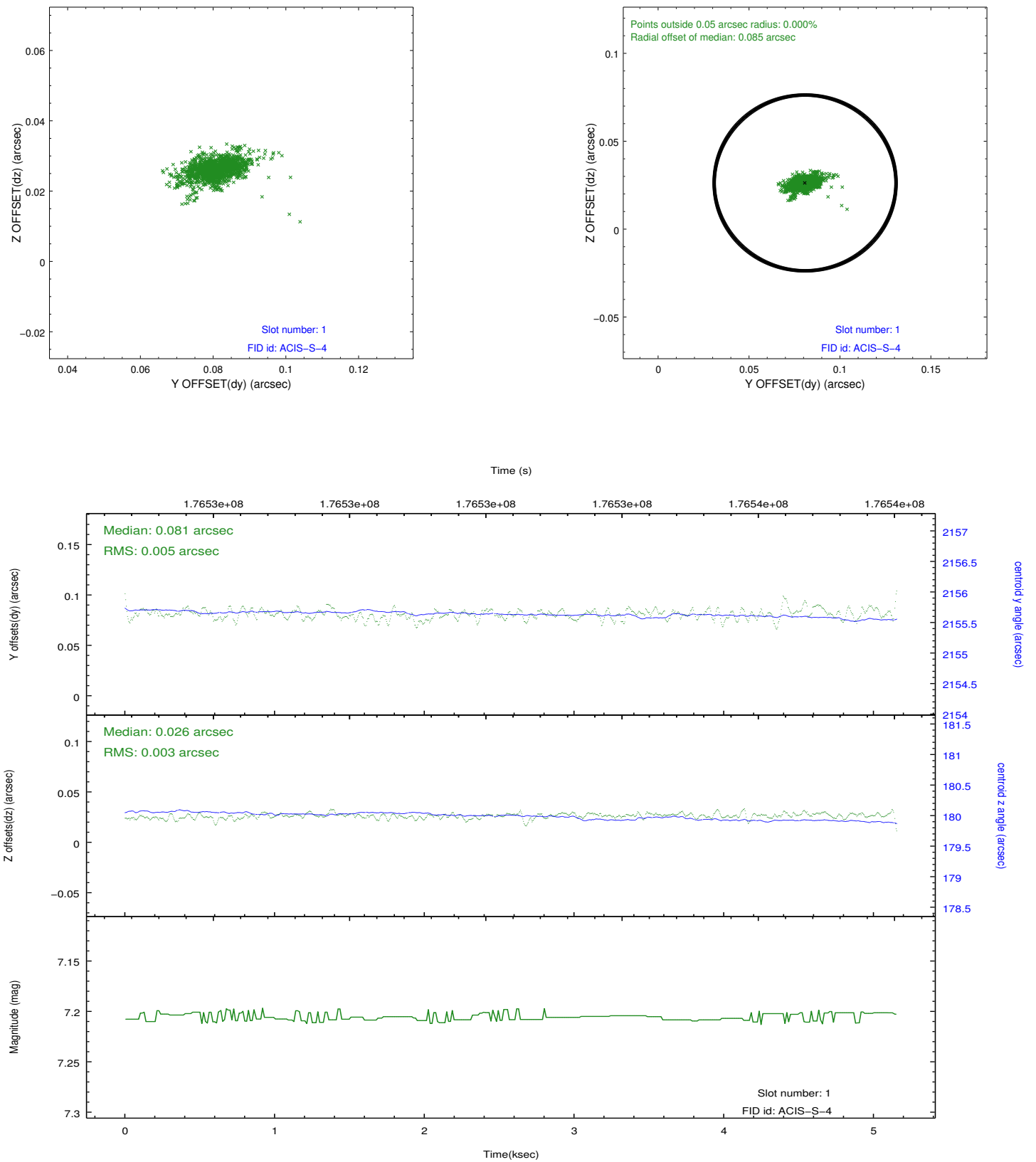


2.5 FID Slots

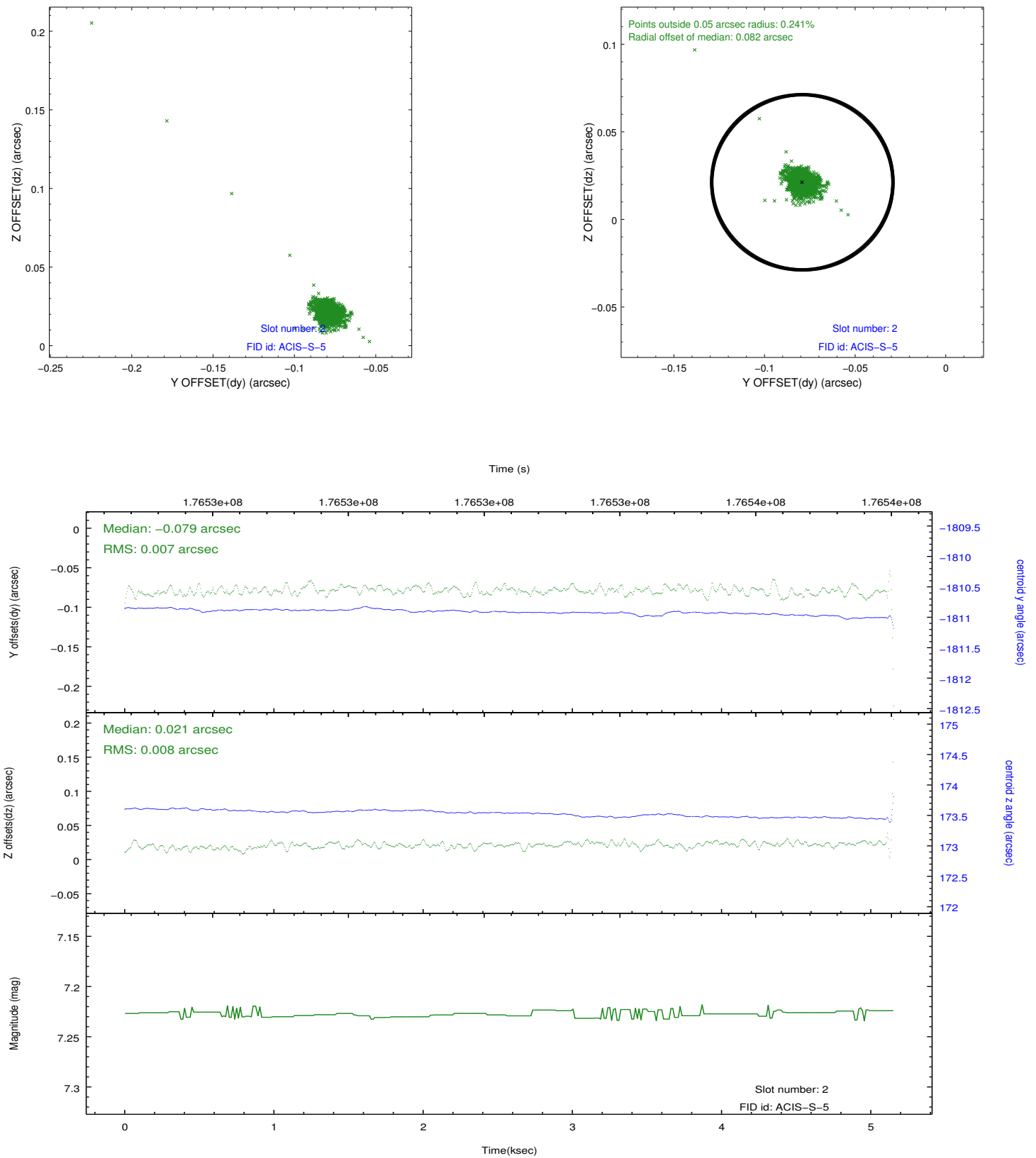
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.145

A.2 Comments