

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2108 - L2 Version 3
Chandra X-Ray Center

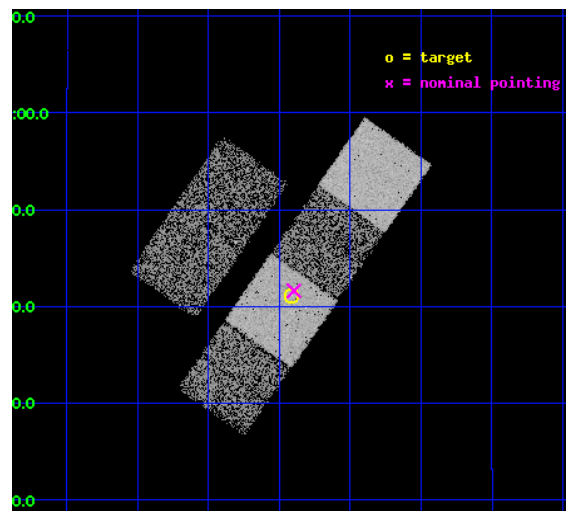
L2 Processing Date : Sep 14 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

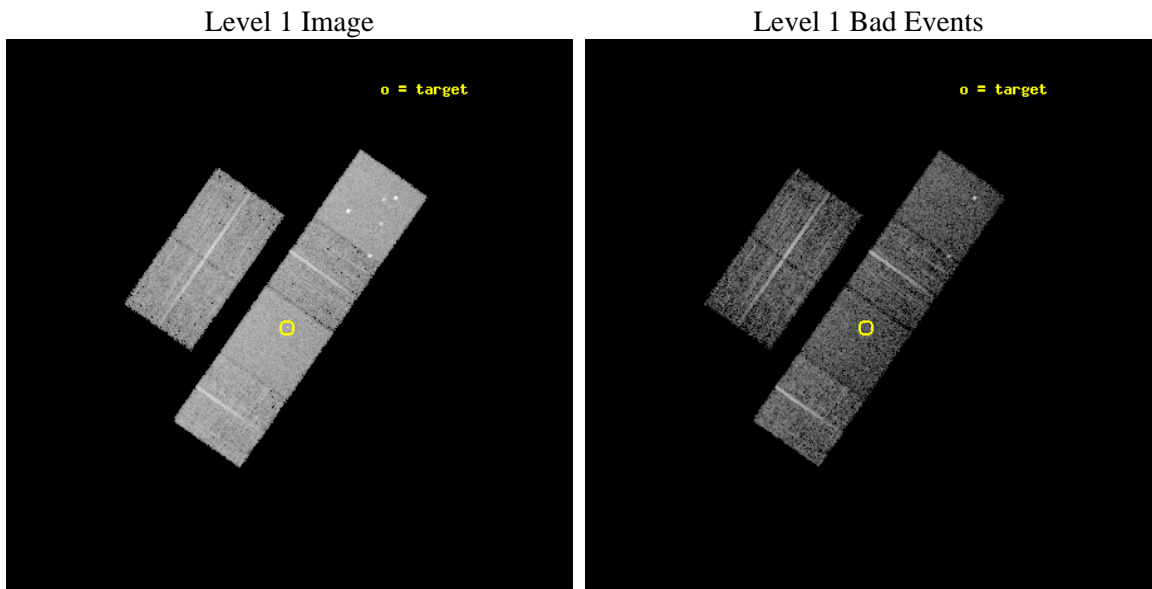
seq_num	700298	Sequence number
obs_id	2108	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOs FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 1235+0857	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.478333	Observer's specified target RA [deg]
dec_targ	8.684833	Observer's specified target Dec [deg]
ra_nom	189.4742591557	Nominal RA [deg]
dec_nom	8.6937024633222	Nominal Dec [deg]
roll_nom	124.96099095908	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5698.549752906	Sum of GTIs [s]
livetime	5626.39128468	Livetime [s]
ontime2	5698.5907929093	Sum of GTIs [s]
ontime3	5695.185662657	Sum of GTIs [s]
ontime5	5698.5087129027	Sum of GTIs [s]
ontime6	5698.4676729143	Sum of GTIs [s]
ontime7	5698.549752906	Sum of GTIs [s]
ontime8	5695.144503057	Sum of GTIs [s]
l2events	58516	Number of level 2 events



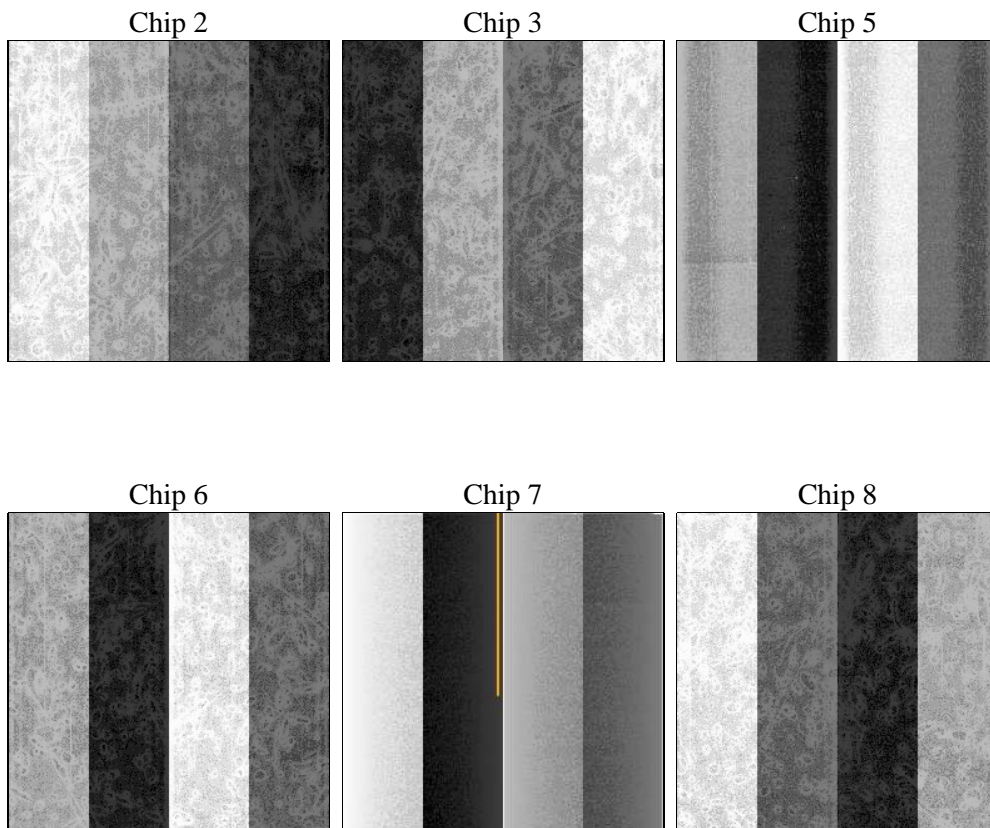
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5698.549752906	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	5698.5907929093	Sum of GTIs [s]
date	2012-09-14T04:13:24	Date and time of file creation	ontime3	5695.185662657	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5698.5087129027	Sum of GTIs [s]
			ontime6	5698.4676729143	Sum of GTIs [s]
			ontime7	5698.549752906	Sum of GTIs [s]
			ontime8	5695.144503057	Sum of GTIs [s]
			l1events	268627	Number of level 1 events

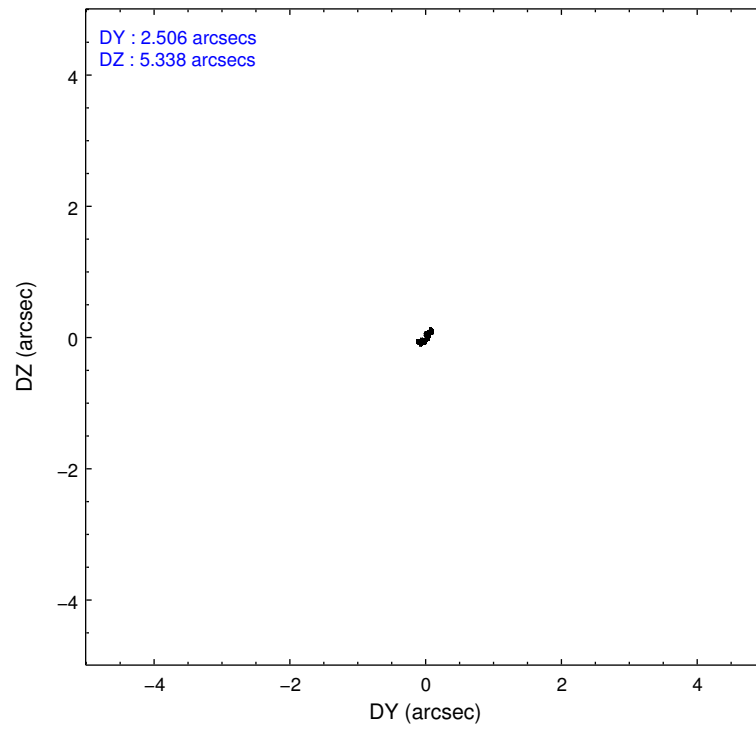
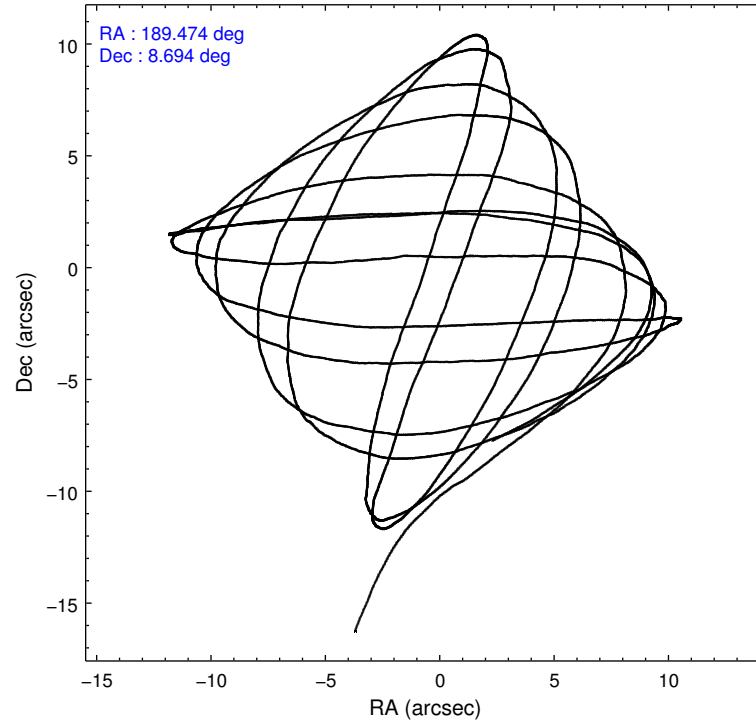
2.1.4 Events

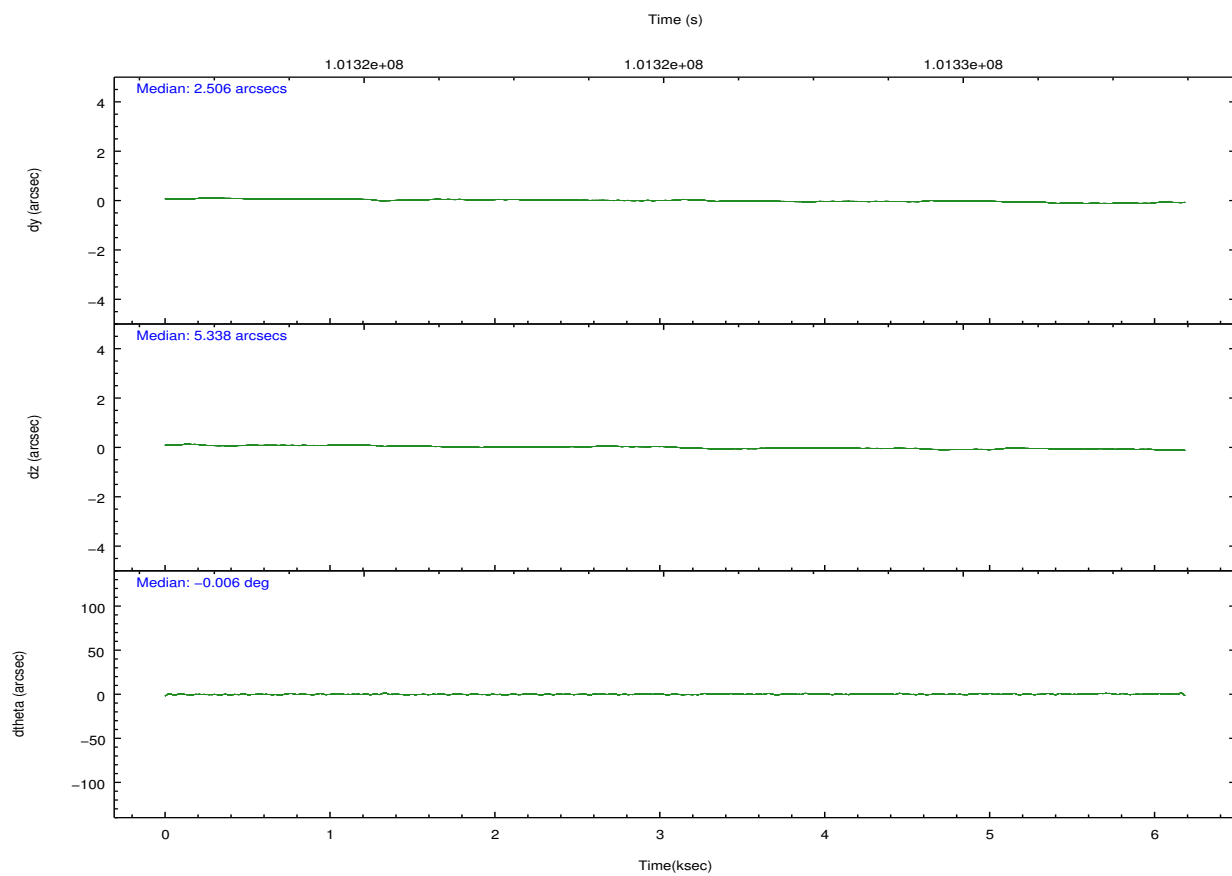
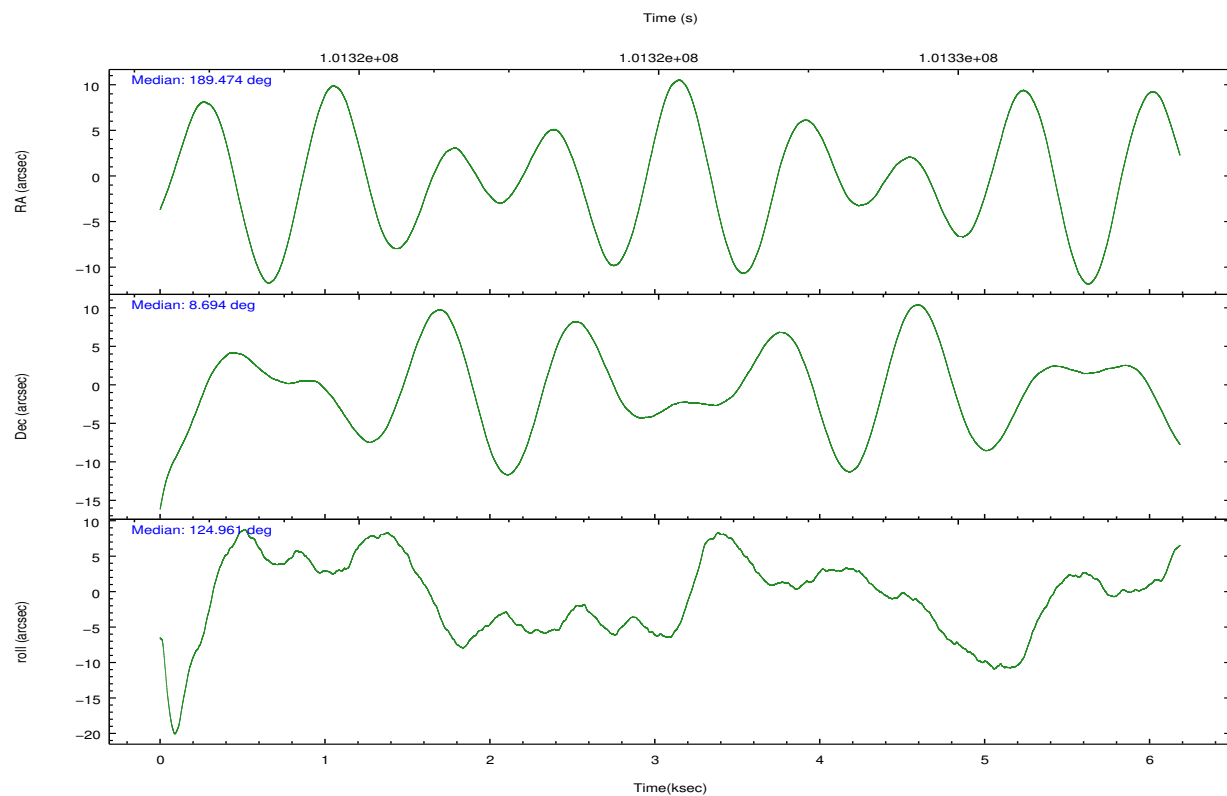
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39738	36445	55955	37305	48779	50405	grade 0 events	1835	1895	4379	1964	2115	3123
rejected events	35360	32114	29252	32634	28431	41239		4%	5%	7%	5%	4%	6%
rejected %	88%	88%	52%	87%	58%	81%	grade 1 events	16	19	174	19	41	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	945	865	7556	952	4006	1944
								2%	2%	13%	2%	8%	3%
							grade 3 events	398	406	1039	438	1818	937
								1%	1%	1%	1%	3%	1%
							grade 4 events	412	413	993	423	1879	935
								1%	1%	1%	1%	3%	1%
							grade 5 events	1334	1370	4082	1584	4617	1966
								3%	3%	7%	4%	9%	3%
							grade 6 events	798	757	12772	899	10545	2258
								2%	2%	22%	2%	21%	4%
							grade 7 events	34000	30720	24960	31026	23758	39214
								85%	84%	44%	83%	48%	77%

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	189.499334	189.4742591557023	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.682417	8.693702463322181	Alternating exposures requested	N	N
[deg] Pointing Roll	124.800566	124.9609909590816	[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)	101321168.184000	101320303.86897			
Observation start date	2001-03-18T16:45:04	2001-03-18T16:31:43			
[s] Observation end time (MET)	101327168.184000	101327606.48175			
Observation end date	2001-03-18T18:25:04	2001-03-18T18:33:26			
Read mode	TIMED	TIMED			

2.3 Aspect



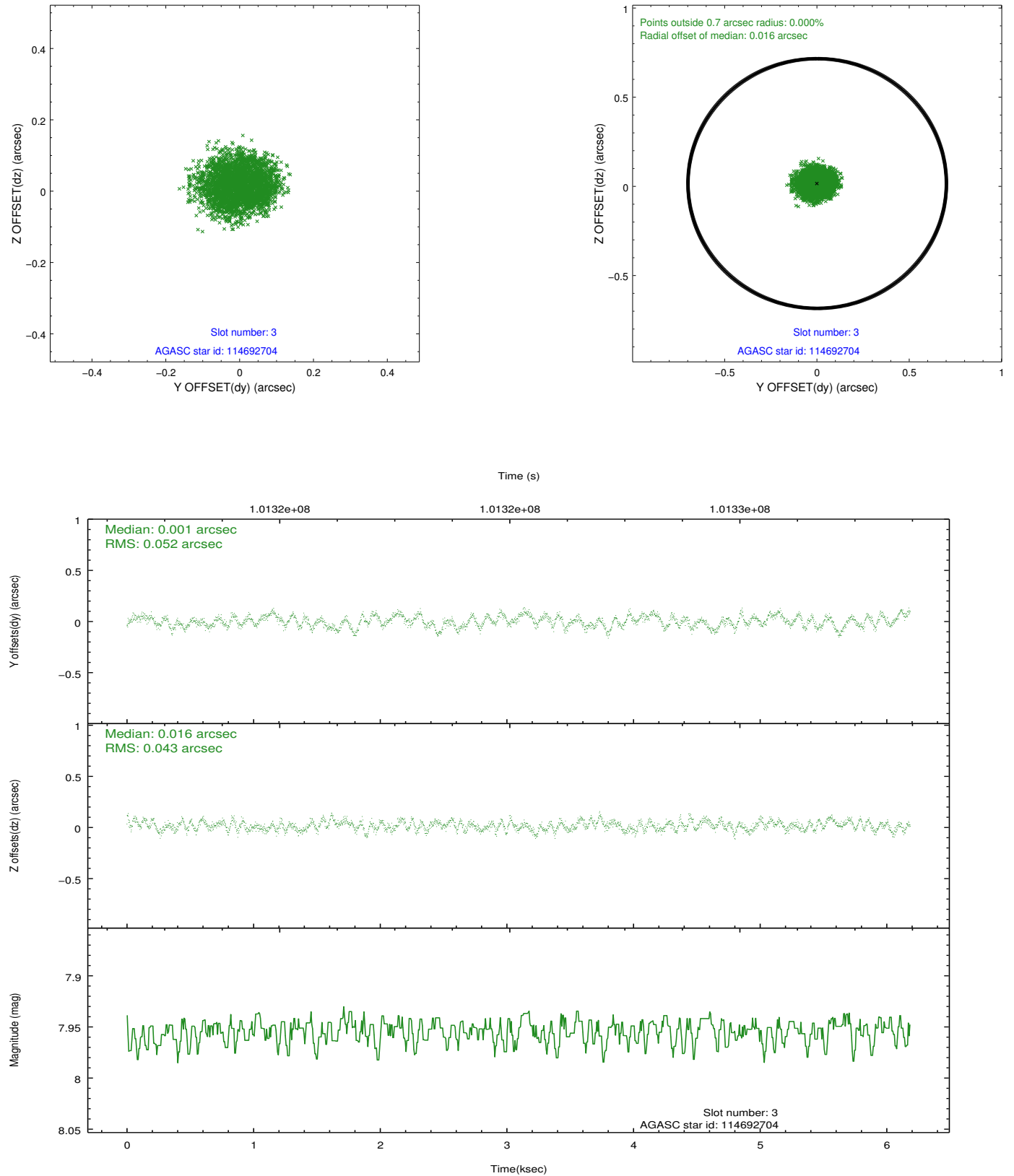


Slot Statistics

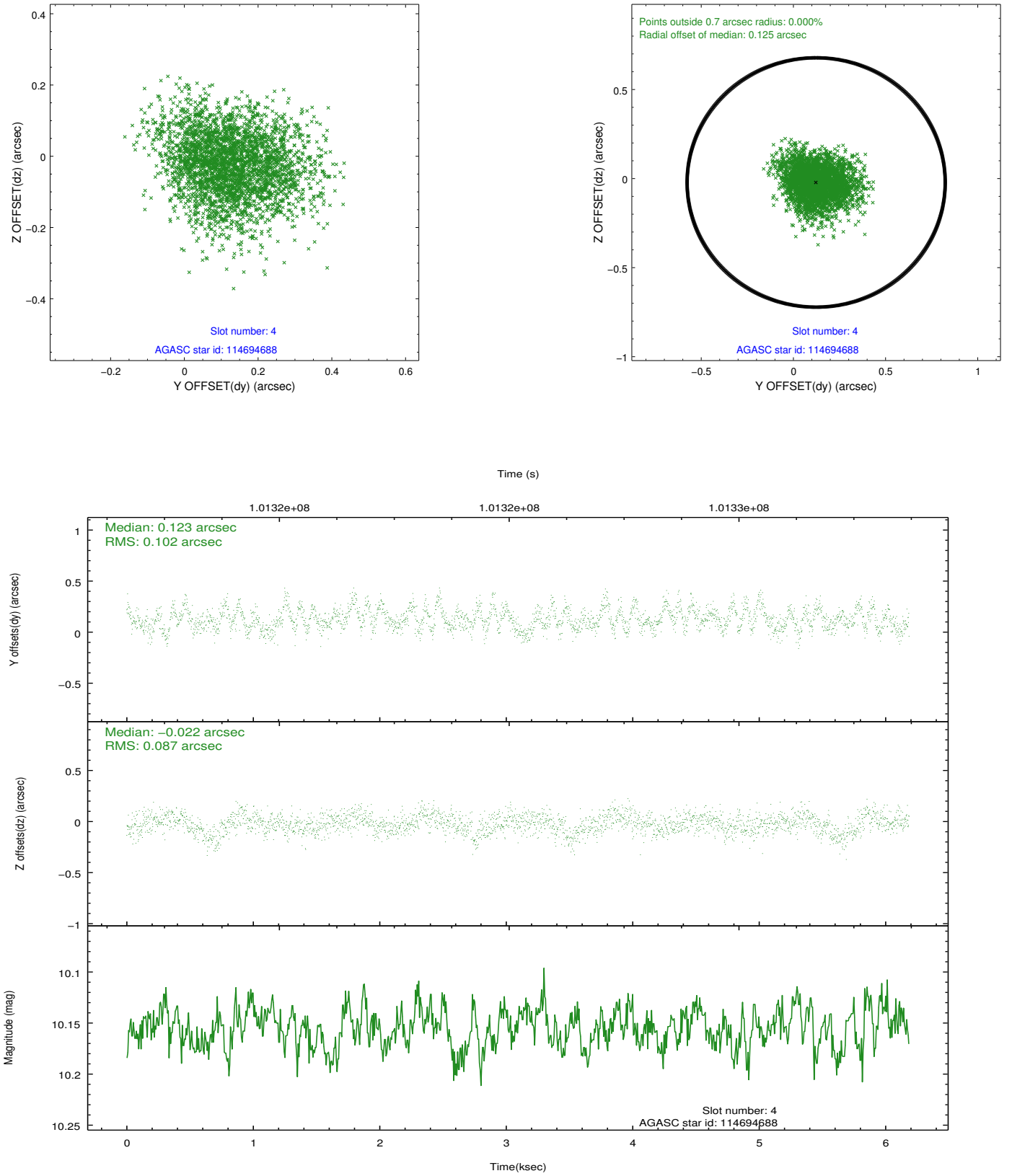
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1509	-0.035	-0.003	0.006	0.010	0.000000	0.000000	-755.12	-1726.43
1	FID	ACIS-S-4	7.20	1509	-0.023	0.017	0.006	0.010	0.000000	0.000000	2157.69	181.17
2	FID	ACIS-S-5	7.24	1509	0.027	-0.006	0.006	0.011	0.000000	0.000000	-1806.72	175.80
3	GUIDE	114692704	7.95	3018	0.001	0.016	0.074	0.110	190.058663	8.527242	-1593.96	-1317.29
4	GUIDE	114694688	10.15	3005	0.123	-0.022	0.143	0.234	189.263977	7.894749	-1849.64	2306.86
5	GUIDE	114690480	10.11	3018	-0.136	0.034	0.125	0.209	188.948113	9.074321	2277.39	803.79
6	GUIDE	114693384	10.08	2936	-0.049	0.101	0.127	0.206	189.691817	9.170786	1054.42	-1564.82
7	GUIDE	114695376	9.21	3017	0.057	-0.122	0.122	0.188	189.203557	7.933205	-1612.15	2404.39

2.4 Star Slots

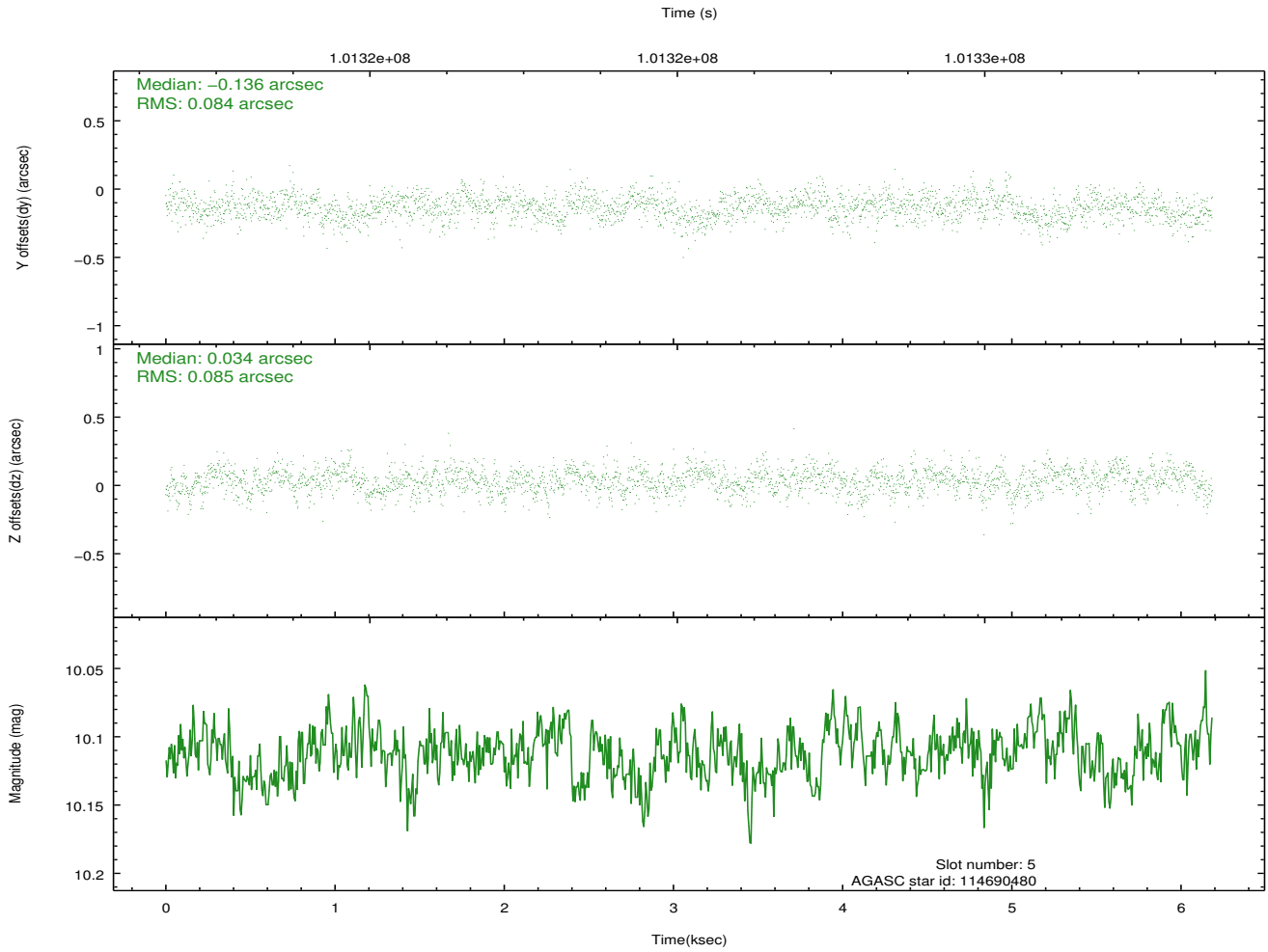
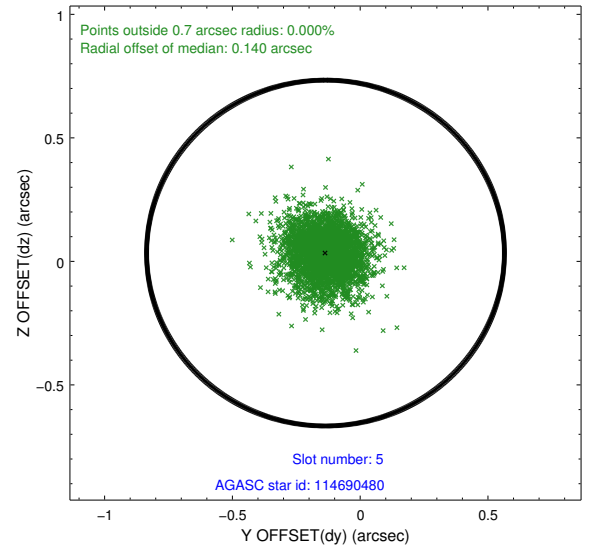
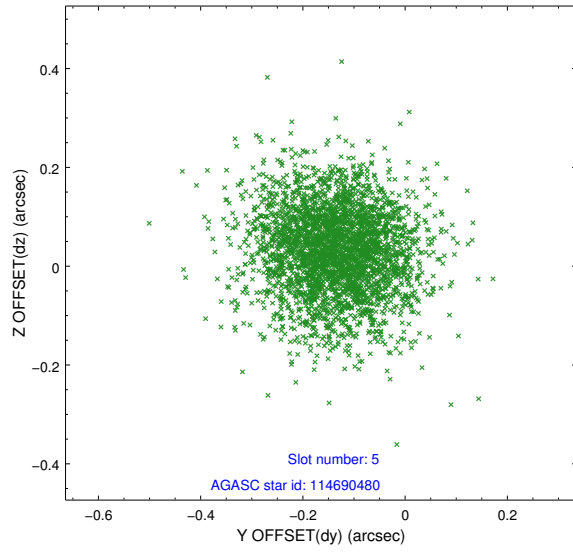
2.4.1 Slot 3



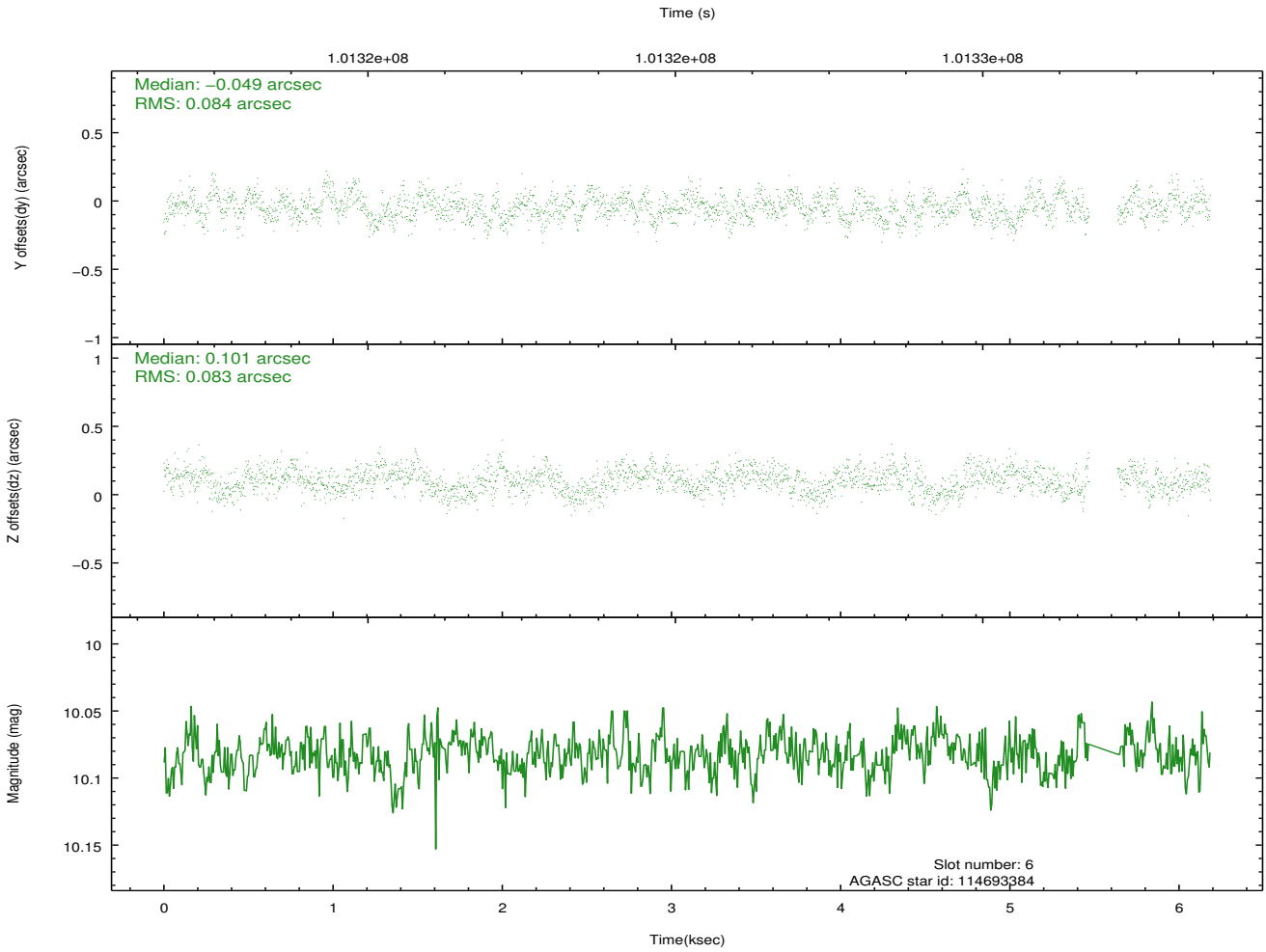
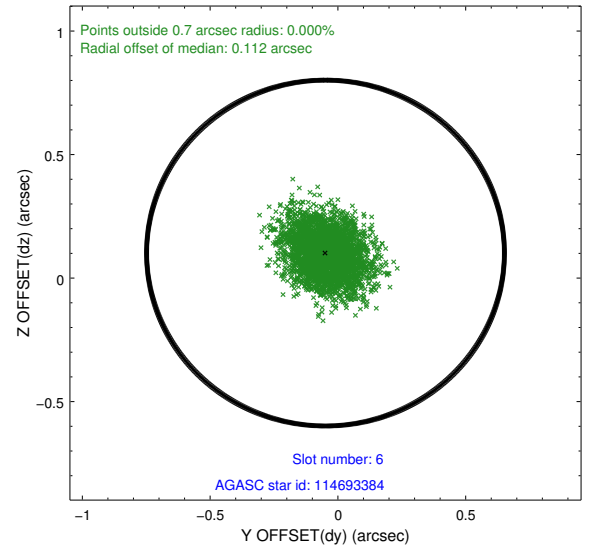
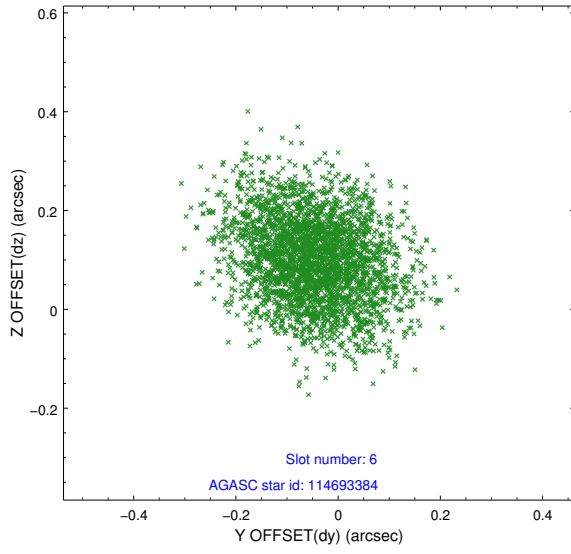
2.4.2 Slot 4



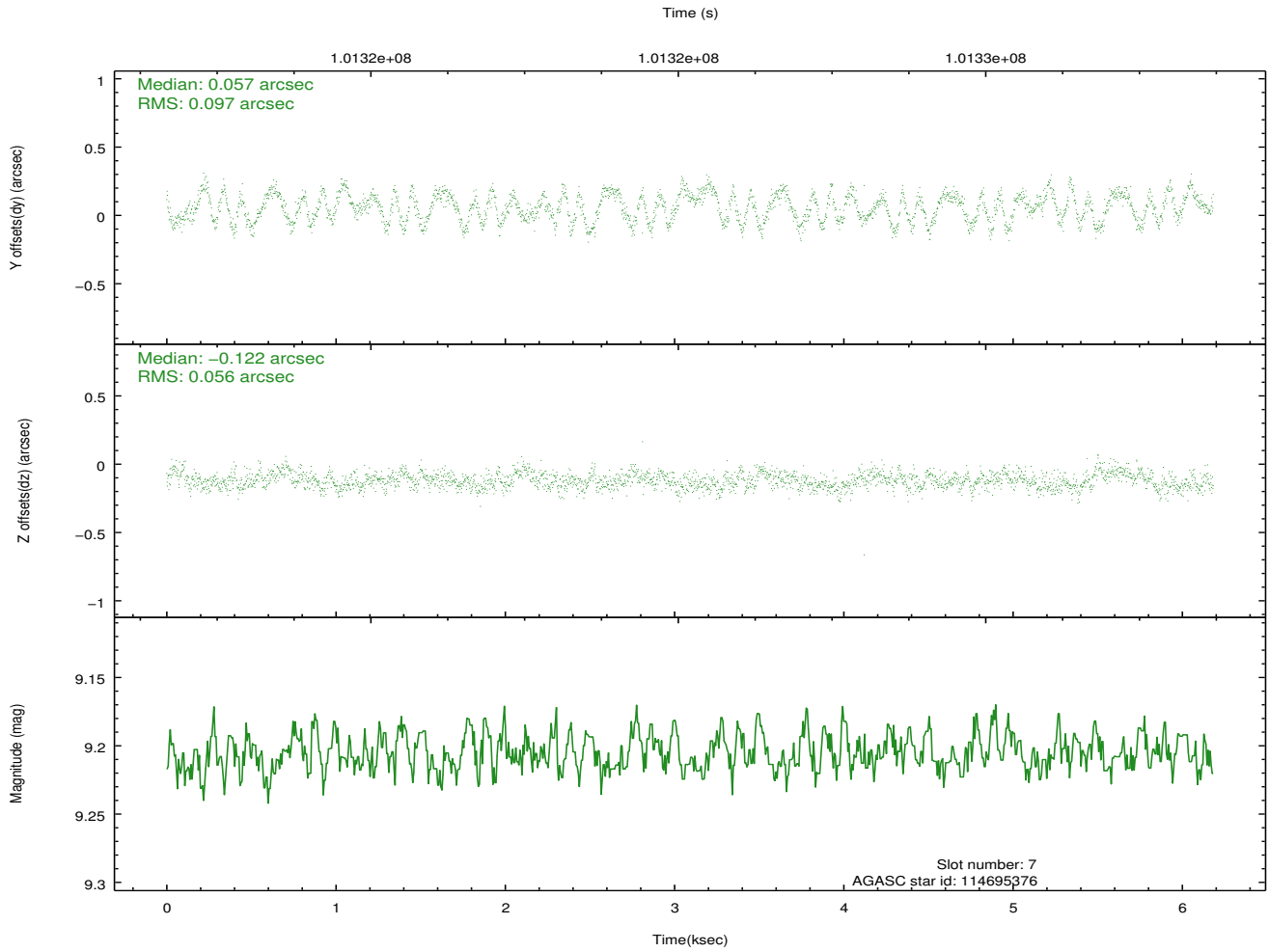
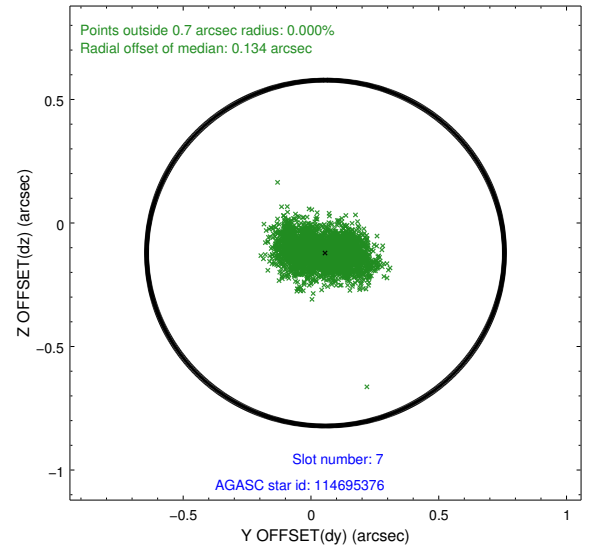
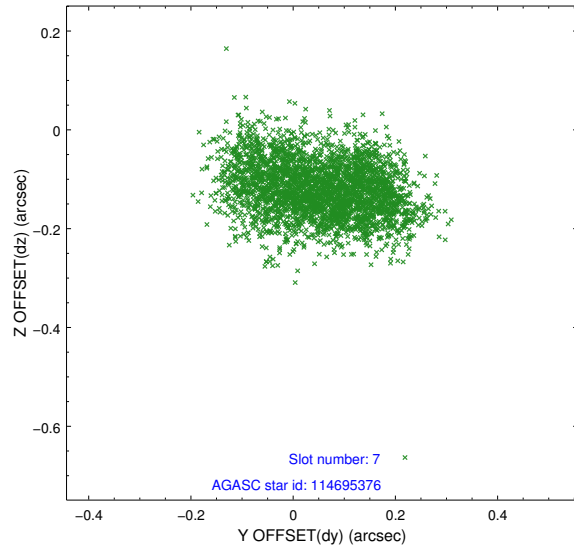
2.4.3 Slot 5



2.4.4 Slot 6

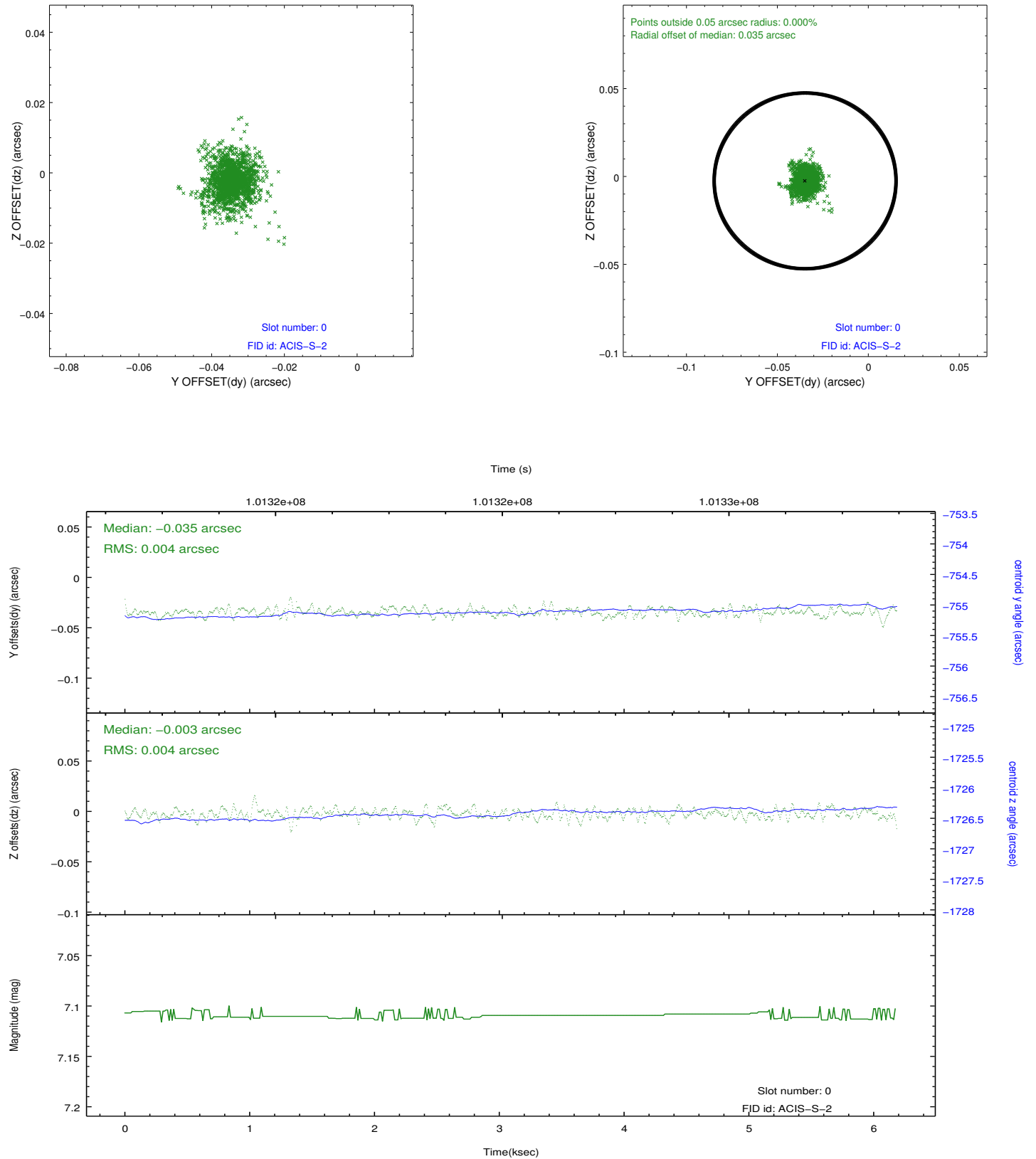


2.4.5 Slot 7

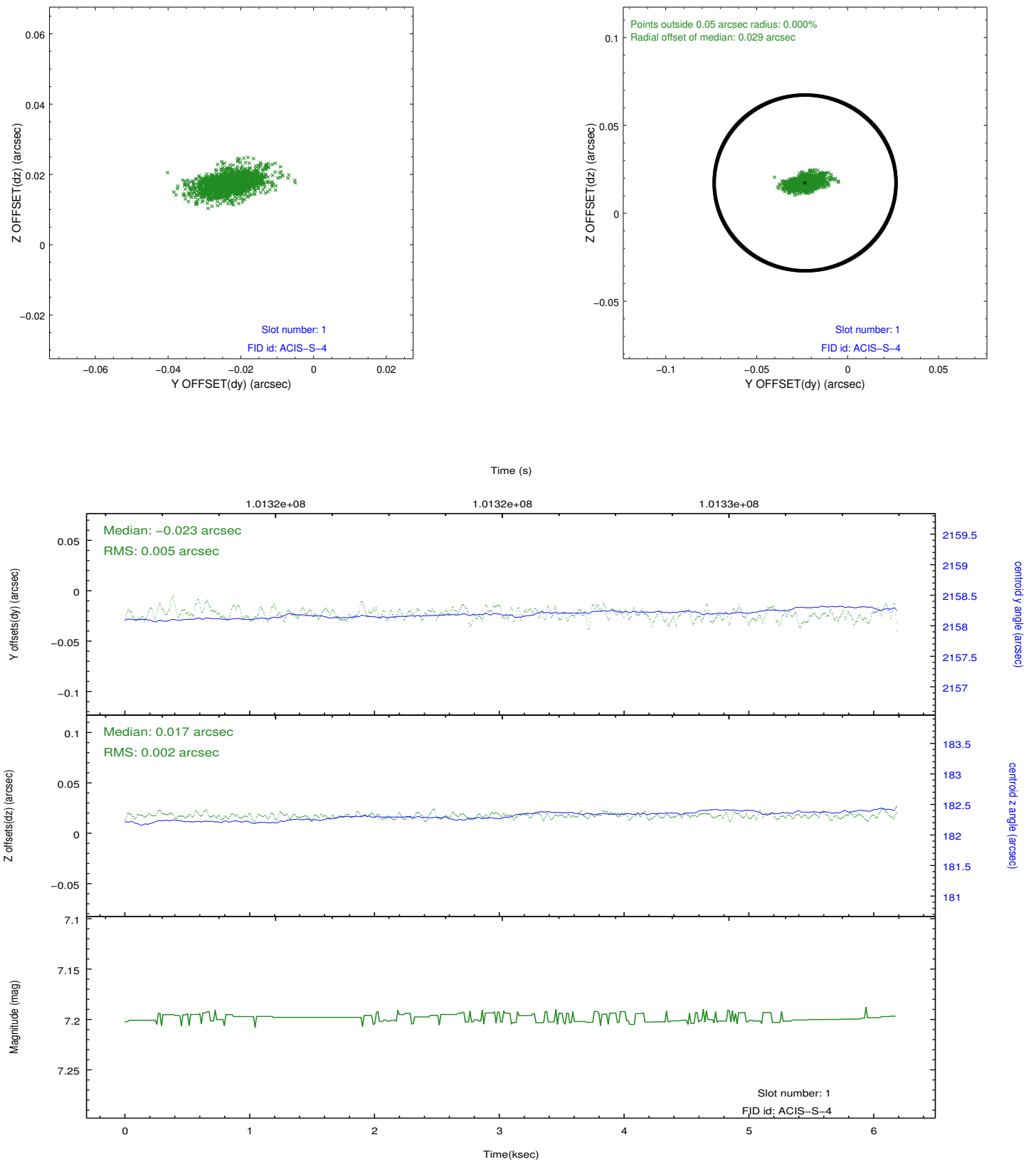


2.5 FID Slots

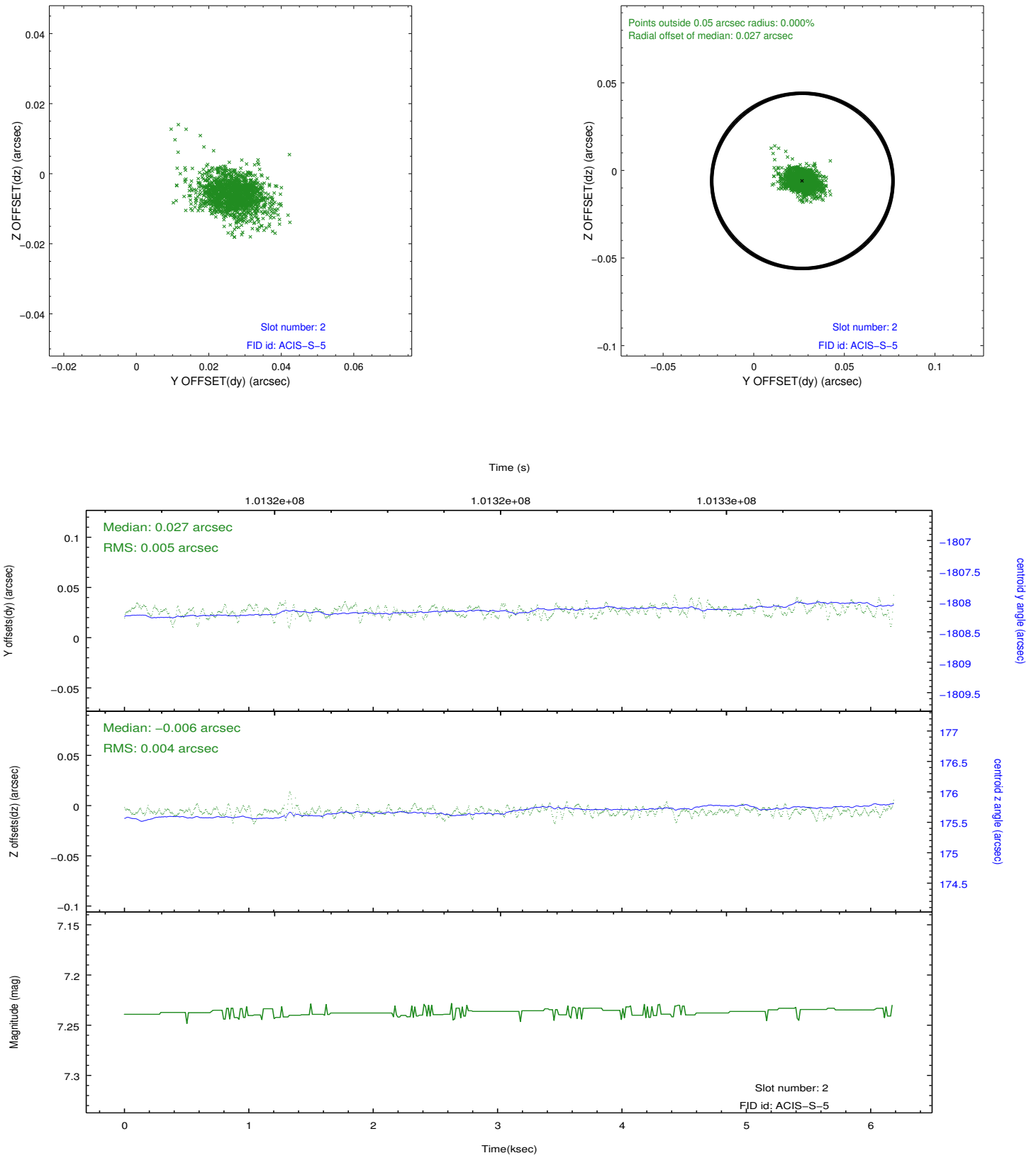
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7

A.2 Comments