

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11570 - L2 Version 2
Chandra X-Ray Center

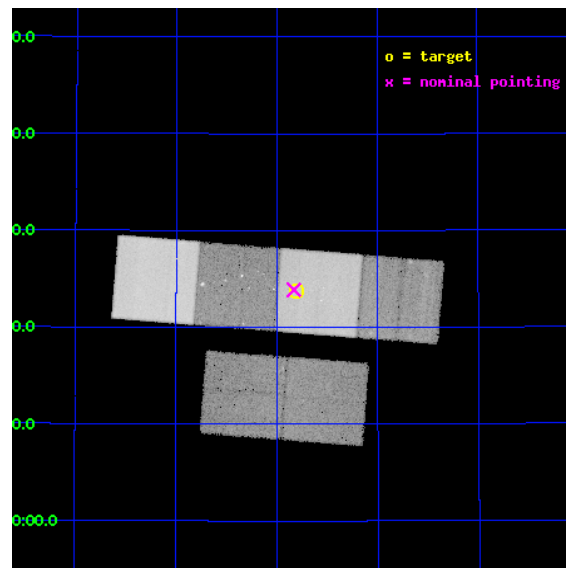
L2 Processing Date : Jun 17 2012

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1 Front

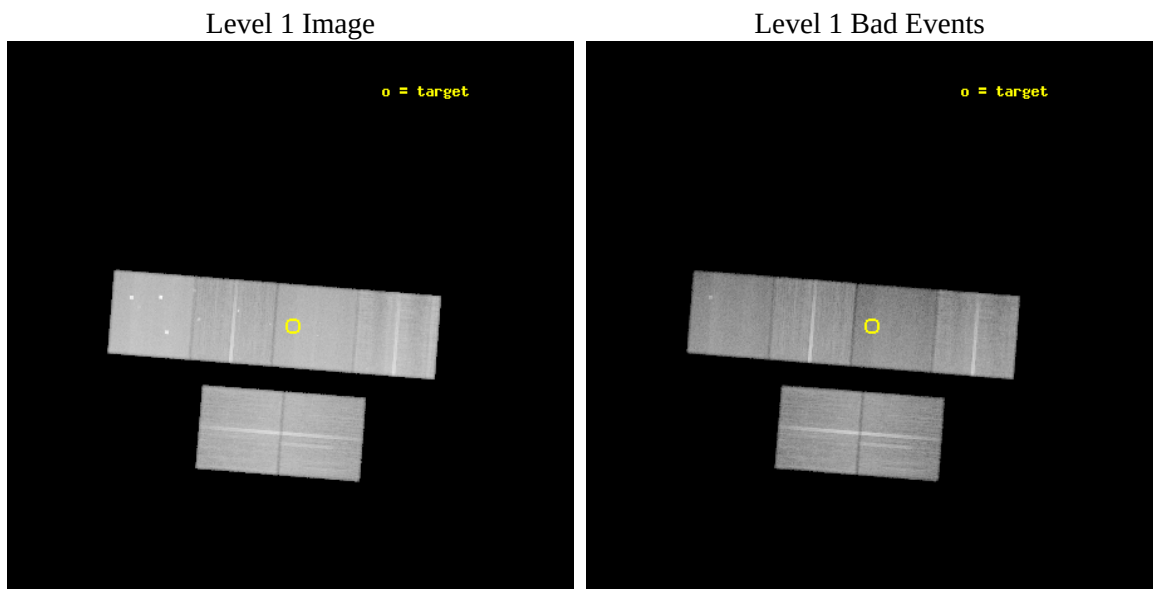
seq_num	702156	Sequence number
obs_id	11570	Observation id
title	The environmental and epoch dependence of radio-loud AGN feedback	
observer	Dr Judith Croston	Principal investigator
object	TOOT 1626+4523	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.702083	Observer's specified target RA [deg]
dec_targ	45.395167	Observer's specified target Dec [deg]
ra_nom	246.70766472597	Nominal RA [deg]
dec_nom	45.39802466917	Nominal Dec [deg]
roll_nom	4.5086575089209	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37220.977878094	Sum of GTIs [s]
livetime	36749.663444419	Livetime [s]
ontime2	37217.777927876	Sum of GTIs [s]
ontime3	37214.372787595	Sum of GTIs [s]
ontime5	37220.93683809	Sum of GTIs [s]
ontime6	37207.931866825	Sum of GTIs [s]
ontime7	37220.977878094	Sum of GTIs [s]
ontime8	37220.813718081	Sum of GTIs [s]
l2events	510454	Number of level 2 events



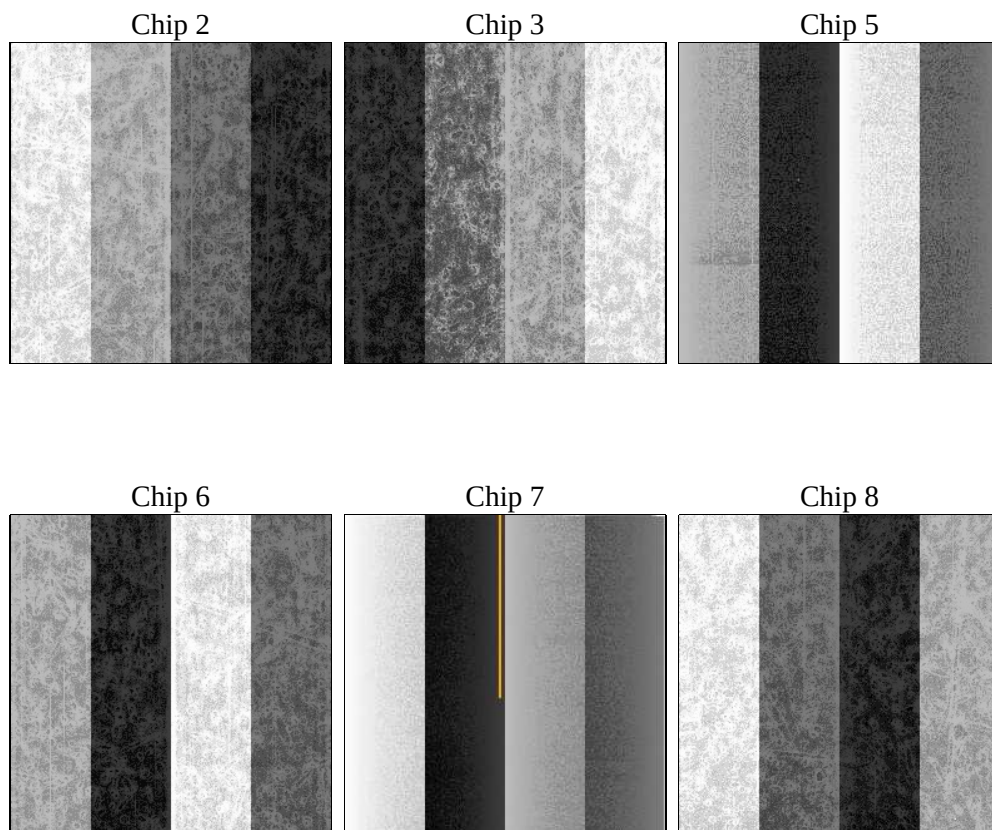
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	37220.977878094	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	37217.777927876	Sum of GTIs [s]
date	2012-06-17T18:04:16	Date and time of file creation	ontime3	37214.372787595	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	37220.93683809	Sum of GTIs [s]
			ontime6	37207.931866825	Sum of GTIs [s]
			ontime7	37220.977878094	Sum of GTIs [s]
			ontime8	37220.813718081	Sum of GTIs [s]
			l1events	2276138	Number of level 1 events

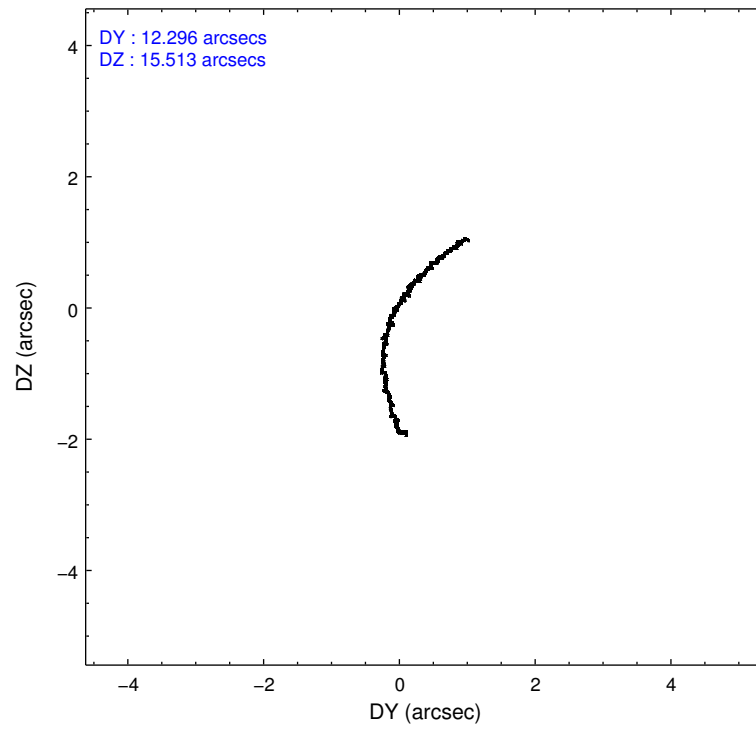
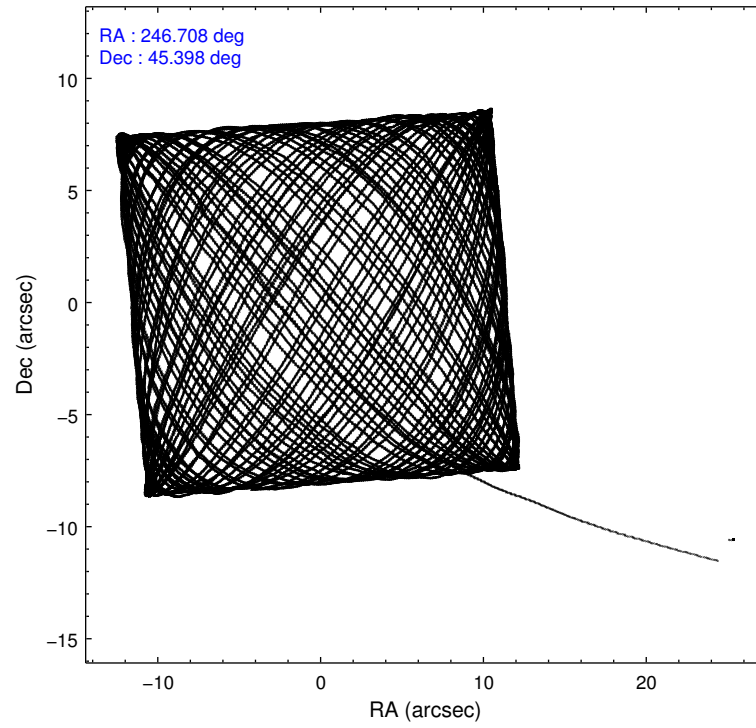
2.1.4 Events

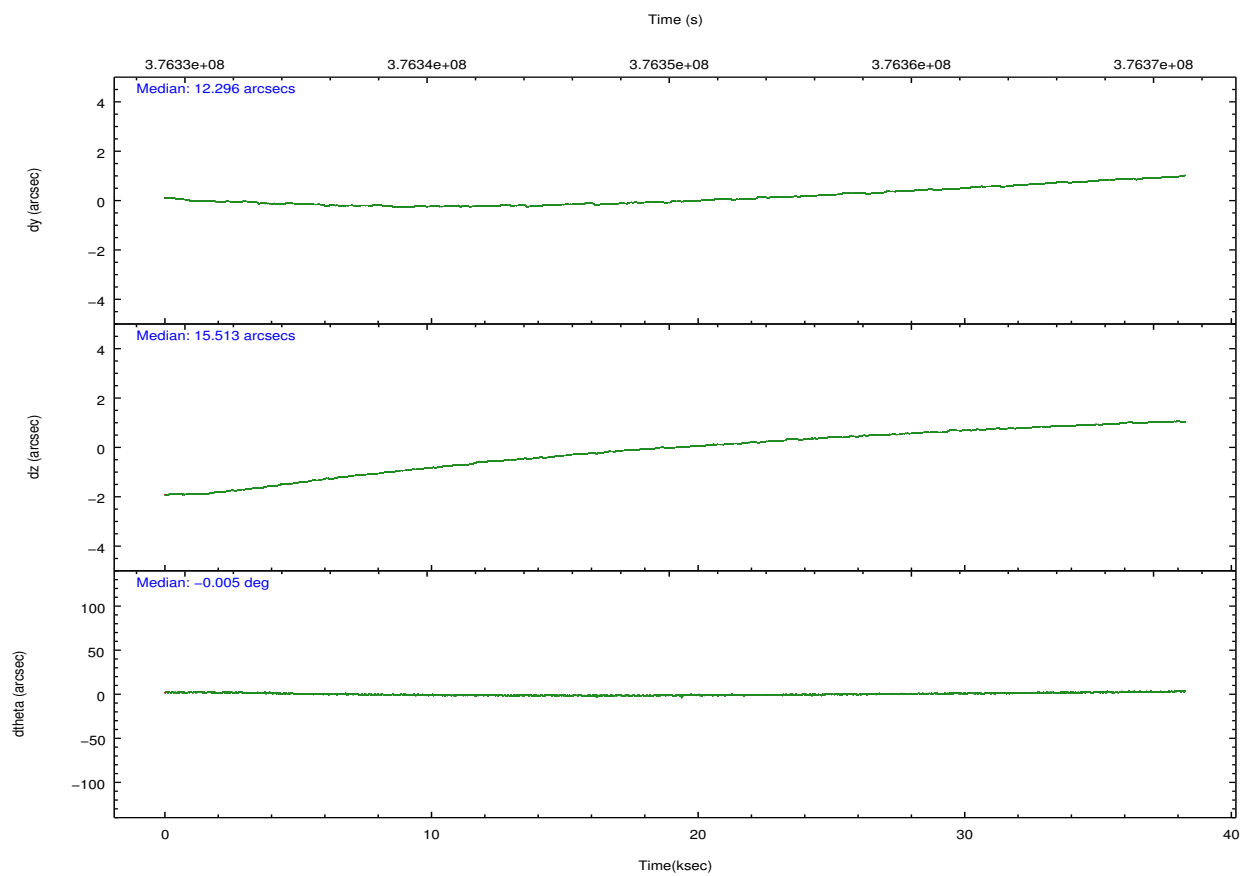
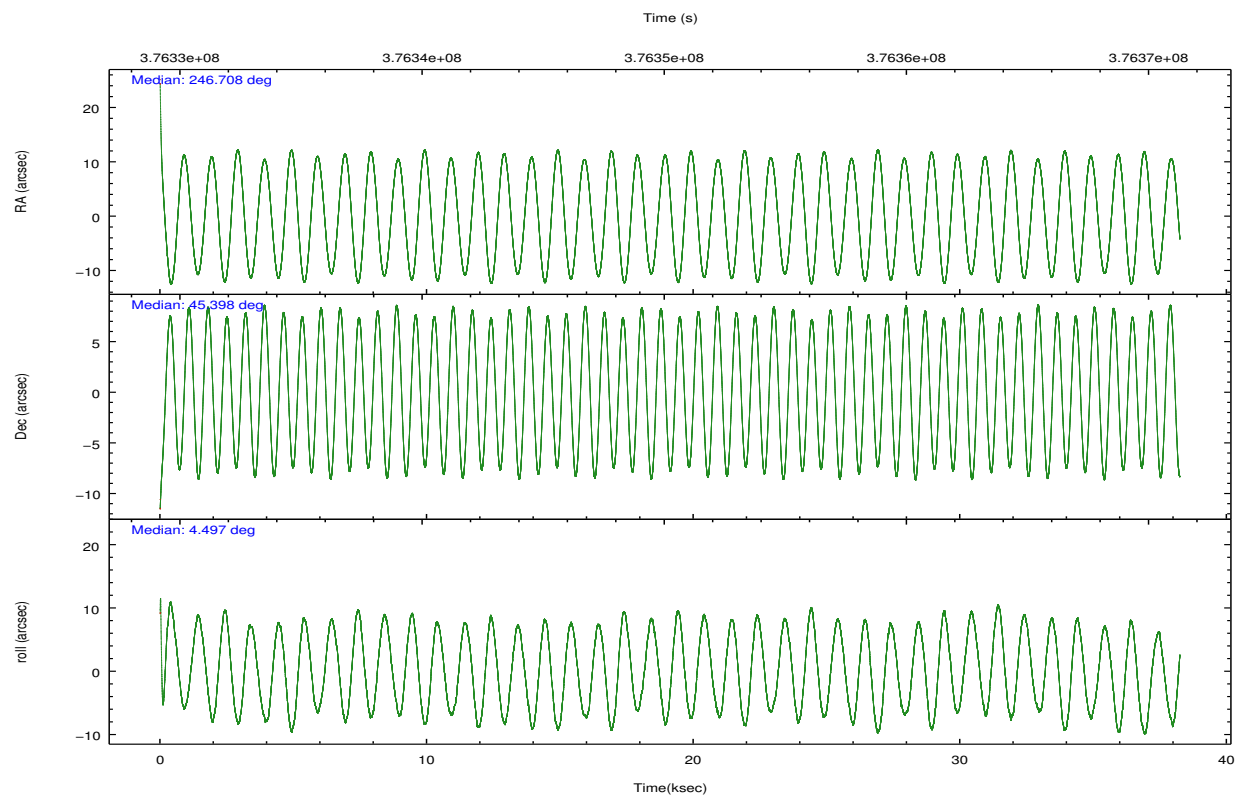
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	344416	322521	474864	337122	377347	419868	grade 0 events	11577	10798	28709	13772	16357	32627
rejected events	311249	291484	235049	300563	204106	311597		3%	3%	6%	4%	4%	7%
rejected %	90%	90%	49%	89%	54%	74%	grade 1 events	190	203	1548	172	490	358
								0%	0%	0%	0%	0%	0%
							grade 2 events	8305	6949	70511	7932	35715	24953
								2%	2%	14%	2%	9%	5%
							grade 3 events	3415	3513	9388	3612	15613	11477
								0%	1%	1%	1%	4%	2%
							grade 4 events	3513	3424	9249	3686	15558	10528
								1%	1%	1%	1%	4%	2%
							grade 5 events	11835	13334	36520	13579	39826	19681
								3%	4%	7%	4%	10%	4%
							grade 6 events	6372	6356	121998	7563	90025	28692
								1%	1%	25%	2%	23%	6%
							grade 7 events	299209	277944	196941	286806	163763	291552
								86%	86%	41%	85%	43%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	246.675878	246.7076647259667	CCD I2 on	O1	Y
[deg] Pointing Dec	45.382233	45.39802466916971	CCD I3 on	O2	Y
[deg] Pointing Roll	4.374654	4.508657508920881	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	376332183.184000	376330054.69243	CCD S5 on	N	N
Observation start date	2009-12-04T16:41:57	2009-12-04T16:07:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	376369183.184000	376370361.79446	On-chip summing requested	N	N
Observation end date	2009-12-05T02:58:37	2009-12-05T03:19:21	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



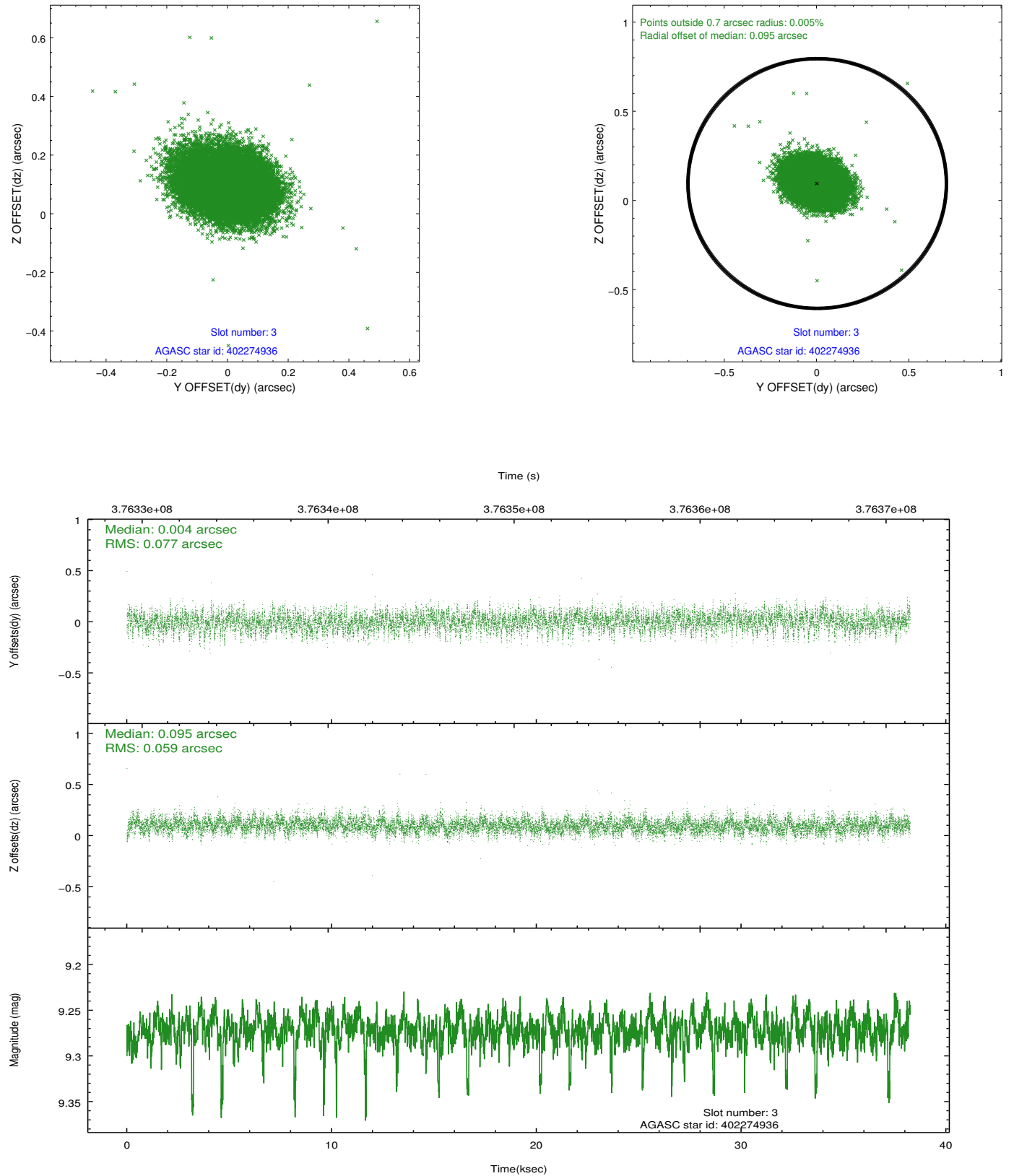


Slot Statistics

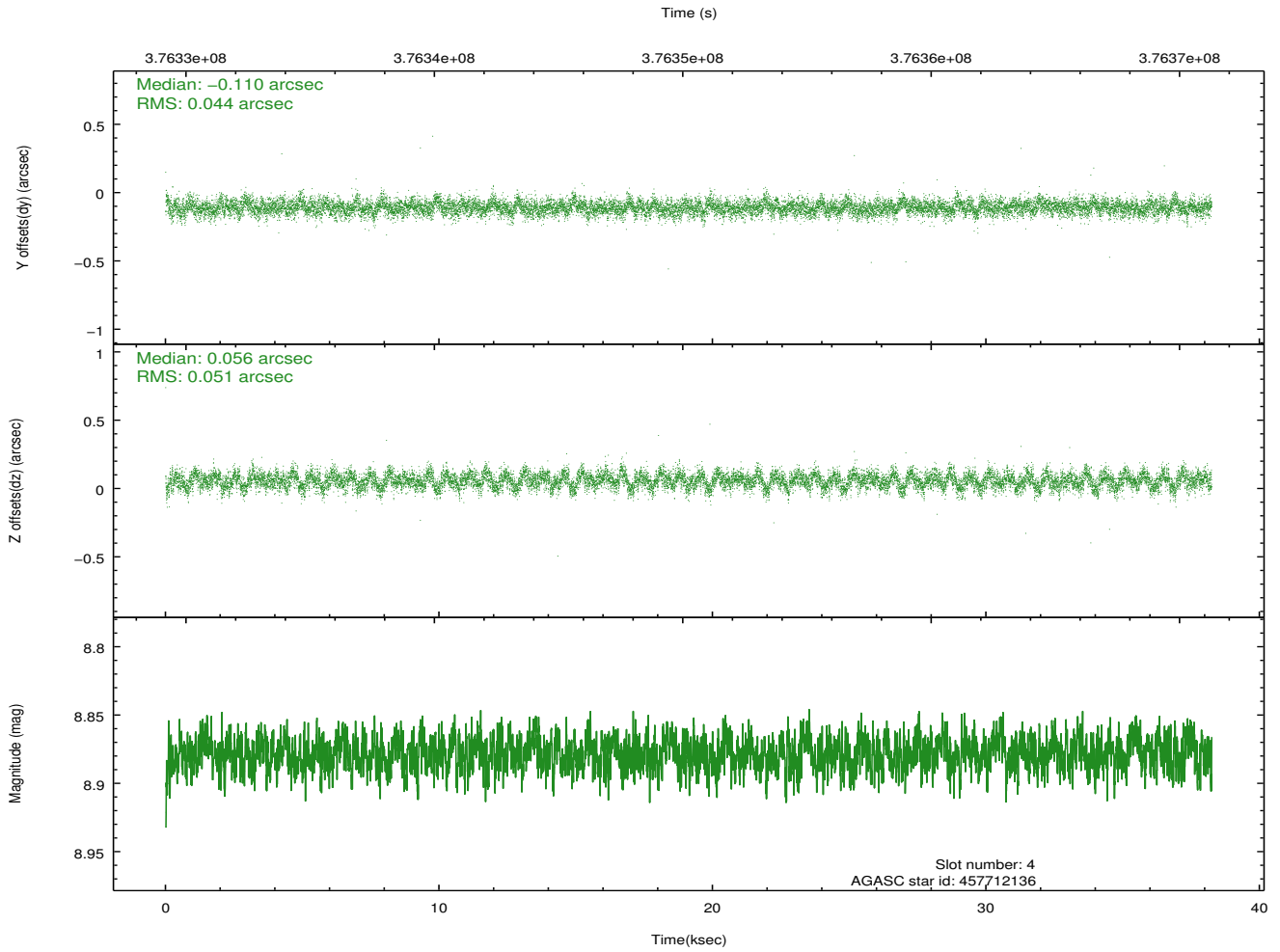
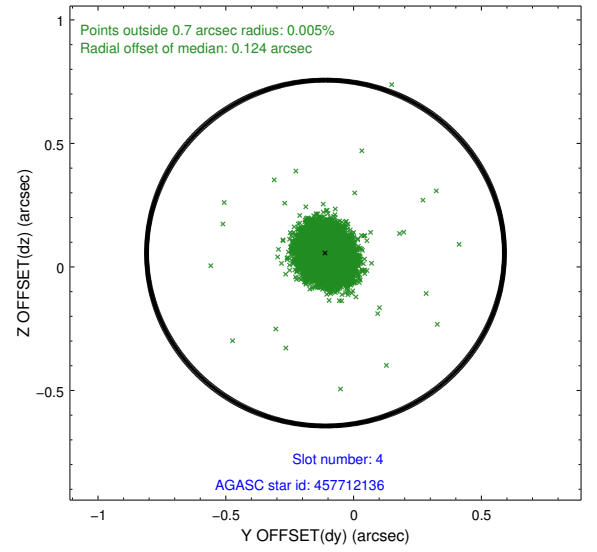
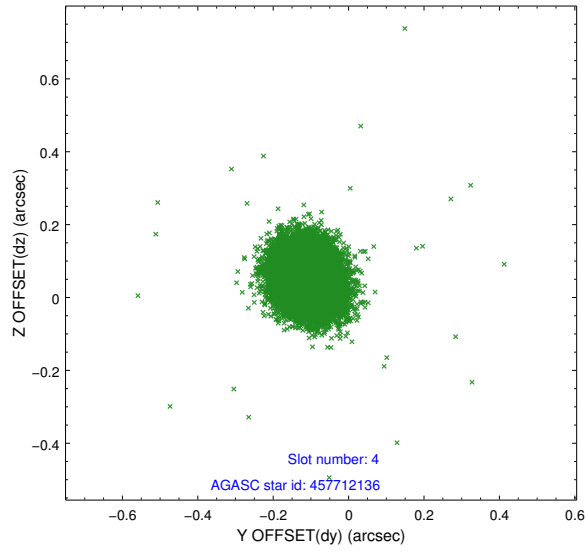
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	9330	-0.034	0.002	0.013	0.023	0.000000	0.000000	-765.36	-1736.74
1	FID	ACIS-S-4	6.95	9330	0.111	0.016	0.009	0.017	0.000000	0.000000	2148.03	171.76
2	FID	ACIS-S-5	6.98	9328	-0.107	-0.009	0.017	0.027	0.000000	0.000000	-1818.27	165.39
3	GUIDE	402274936	9.27	18617	0.004	0.095	0.102	0.168	247.532672	44.871021	2040.95	-1989.50
4	GUIDE	457712136	8.88	18645	-0.110	0.056	0.070	0.115	246.838271	45.189259	358.04	-723.84
5	GUIDE	457715568	7.68	18652	0.018	-0.090	0.070	0.109	246.329876	45.378596	-873.39	55.71
6	GUIDE	457715608	9.34	18641	-0.054	0.013	0.090	0.147	246.950816	45.277060	666.19	-428.86
7	GUIDE	457711520	7.93	18653	0.143	-0.074	0.074	0.122	246.066920	45.944455	-1365.01	2141.02

2.4 Star Slots

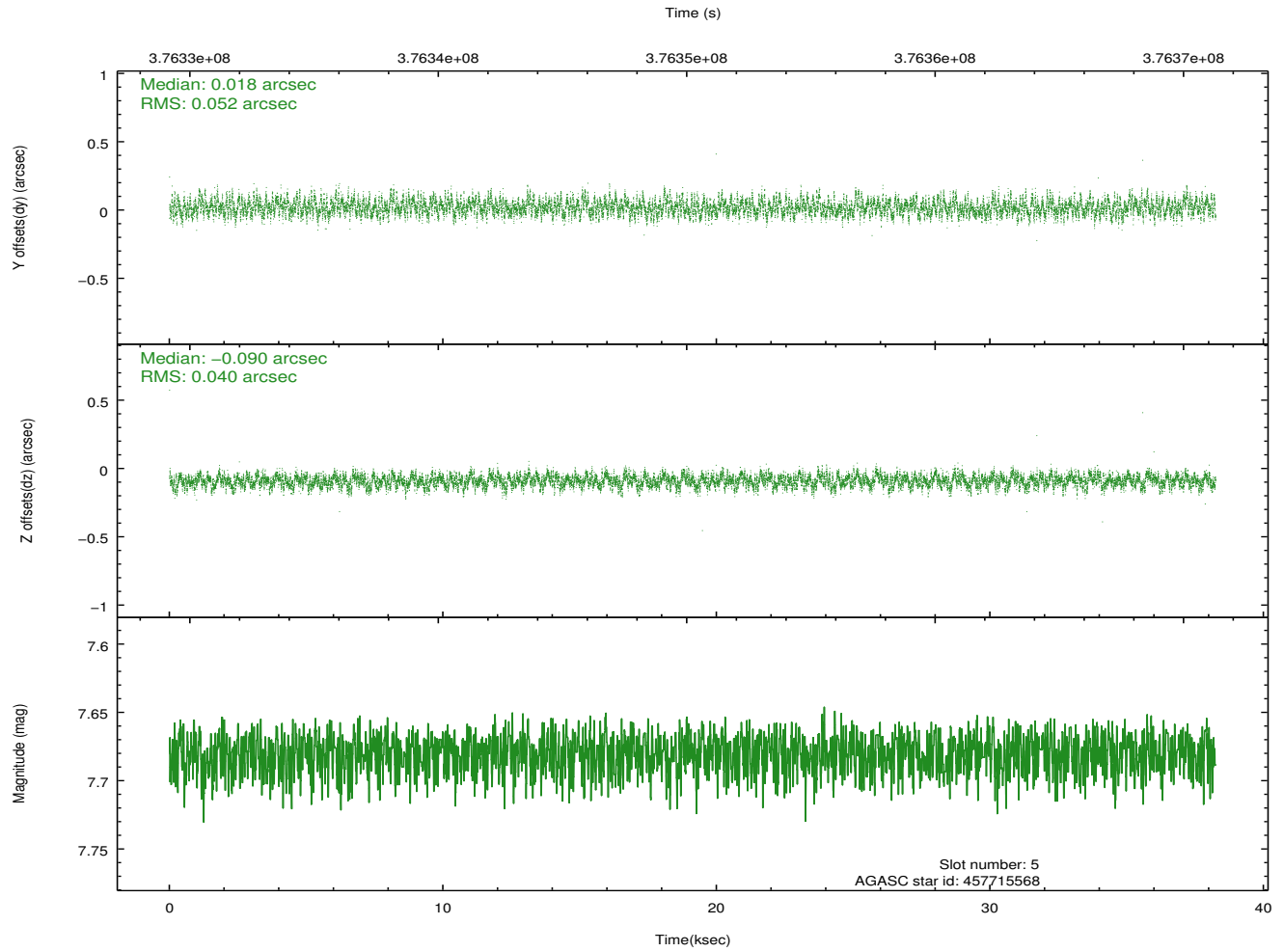
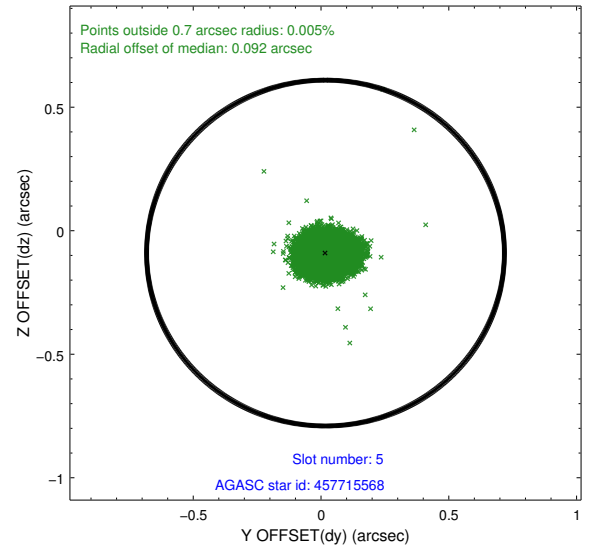
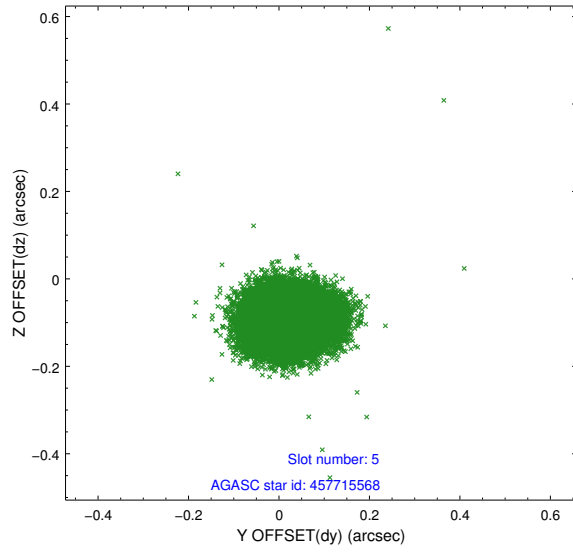
2.4.1 Slot 3



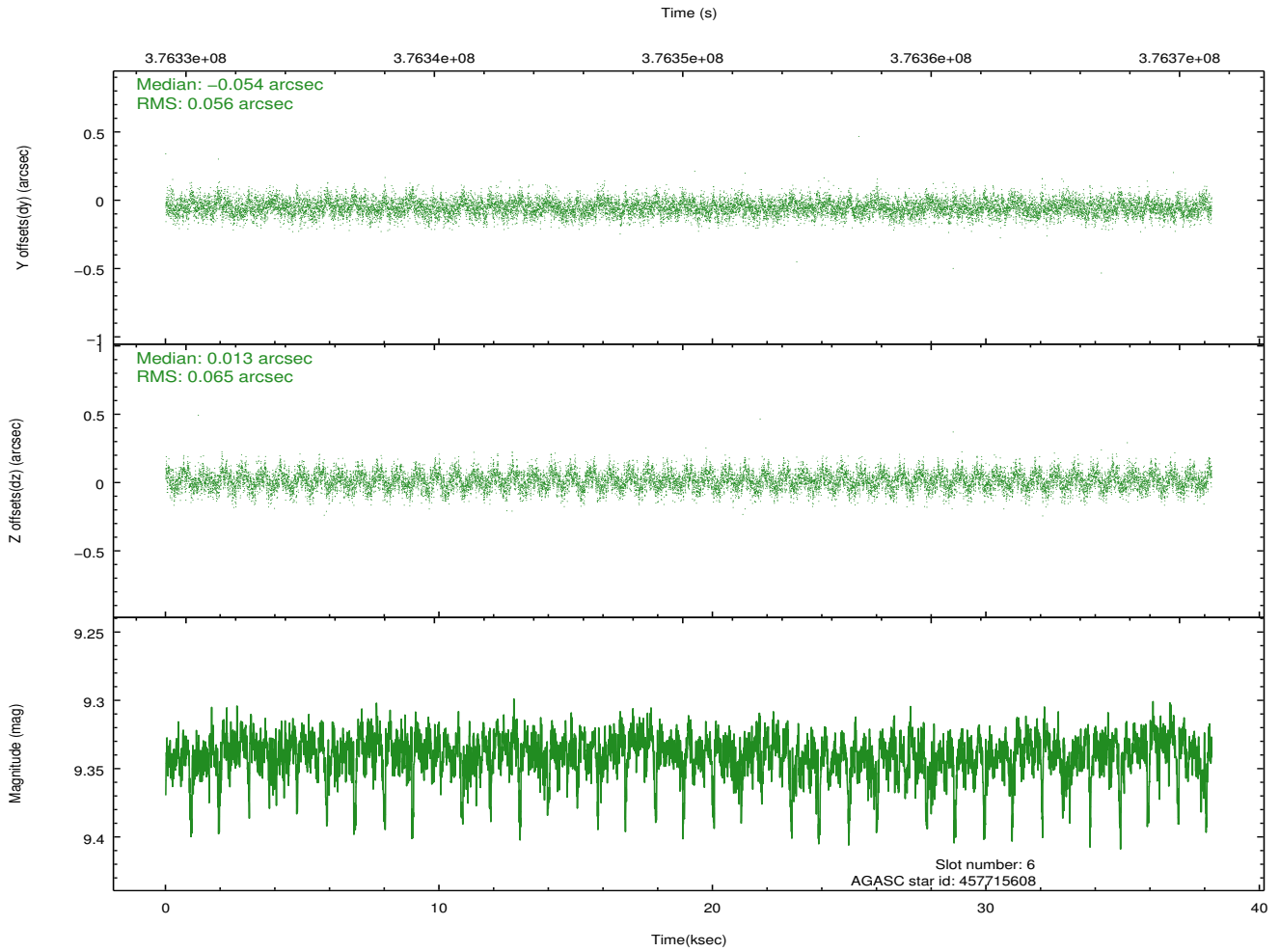
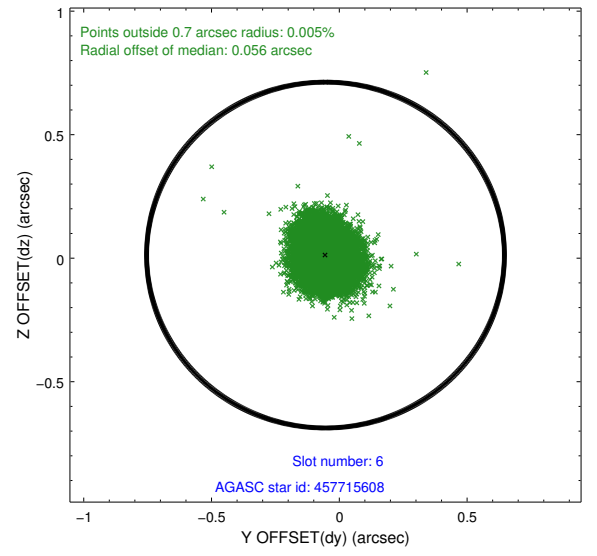
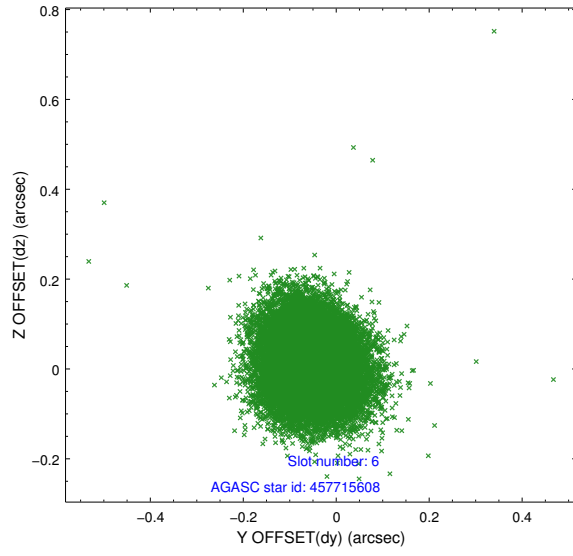
2.4.2 Slot 4



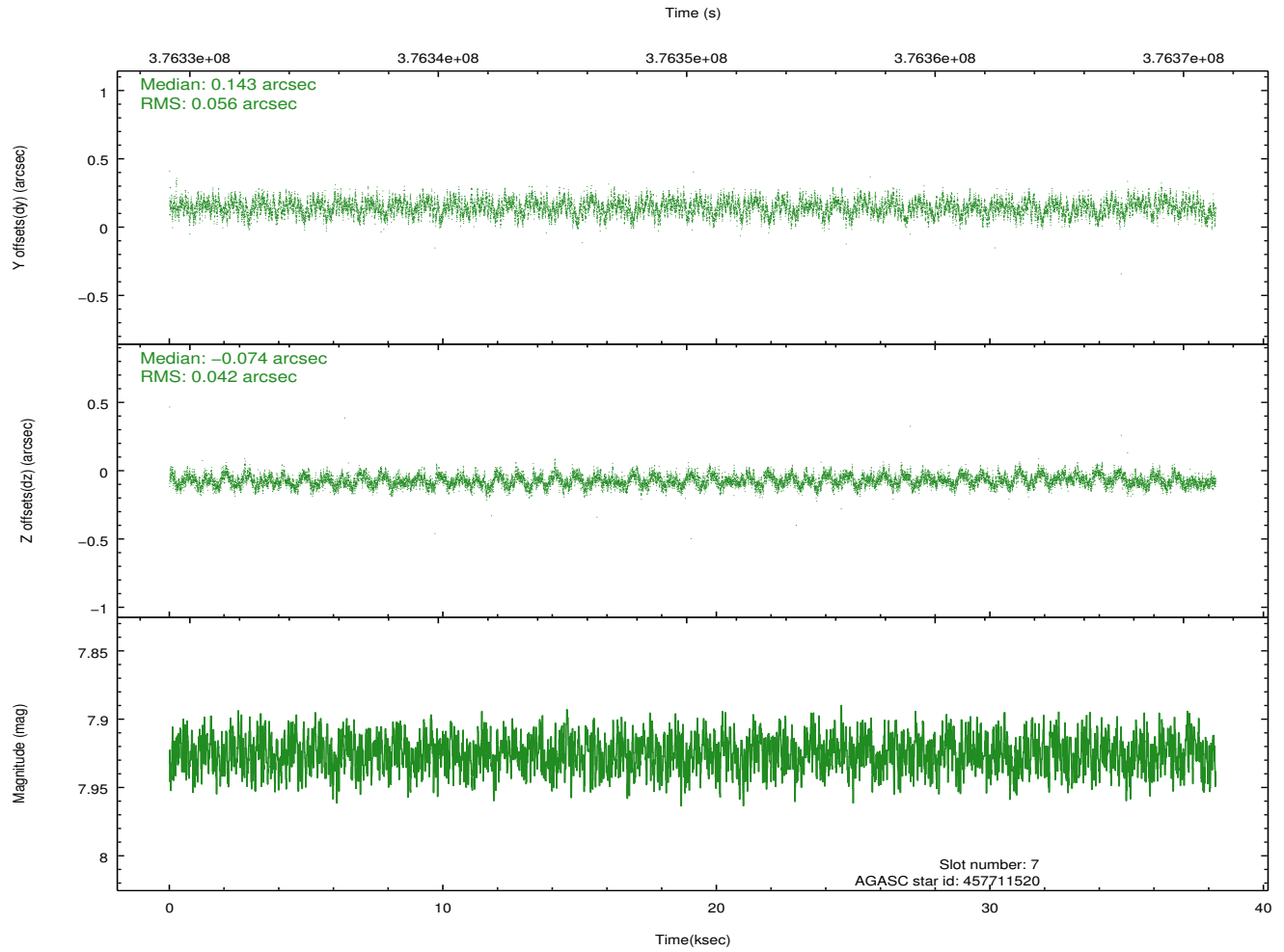
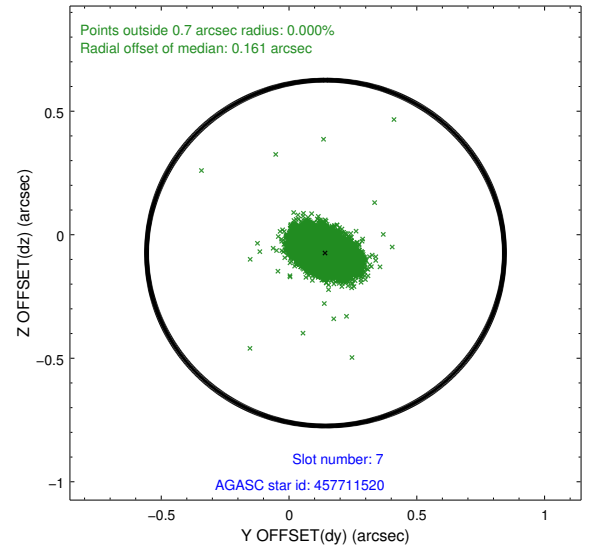
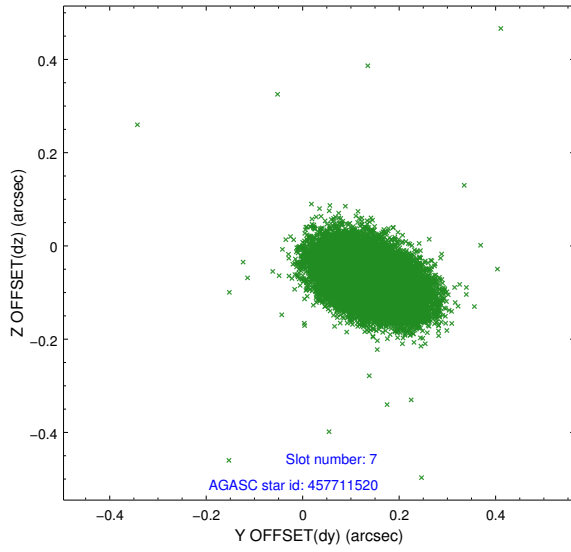
2.4.3 Slot 5



2.4.4 Slot 6

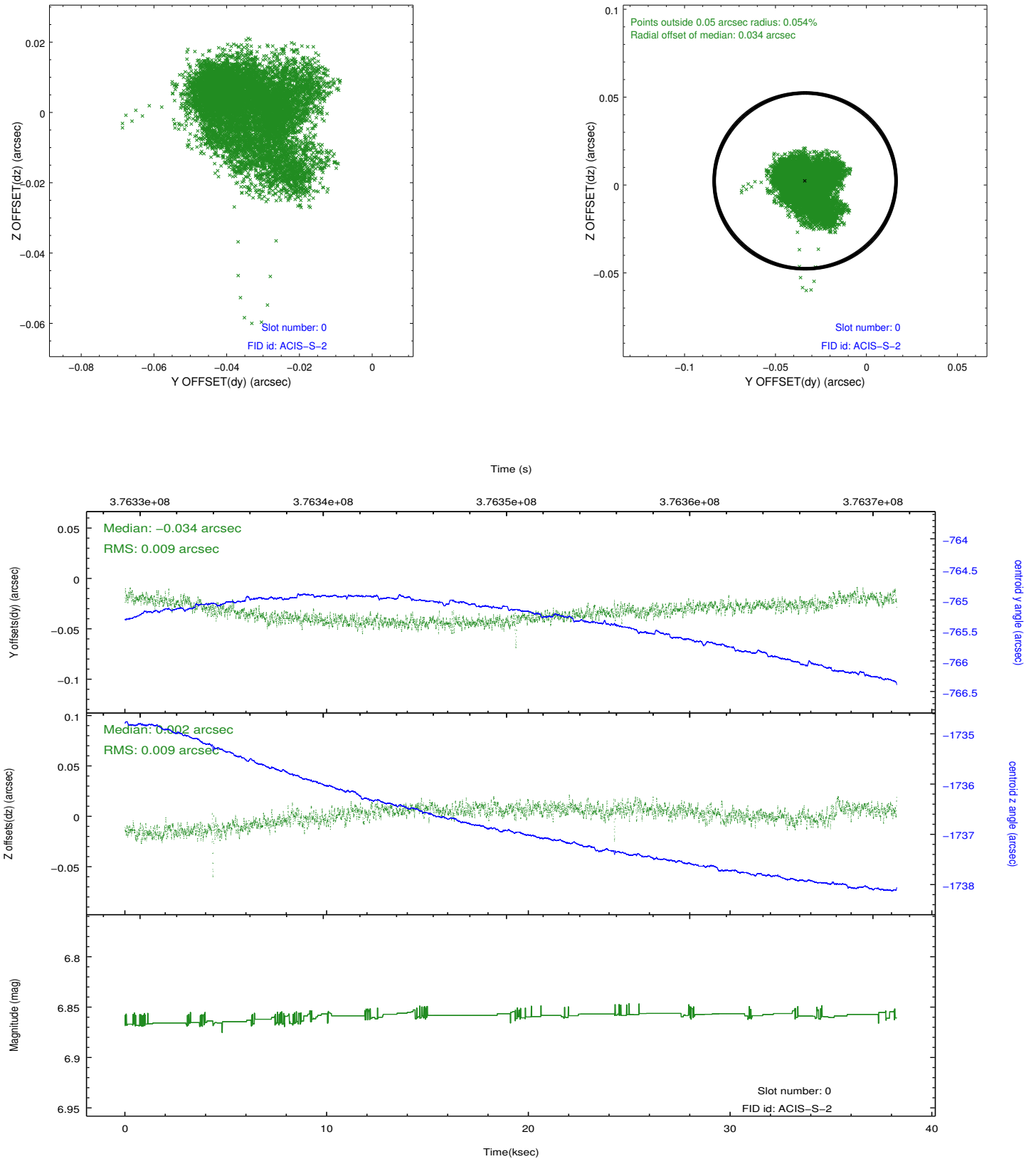


2.4.5 Slot 7

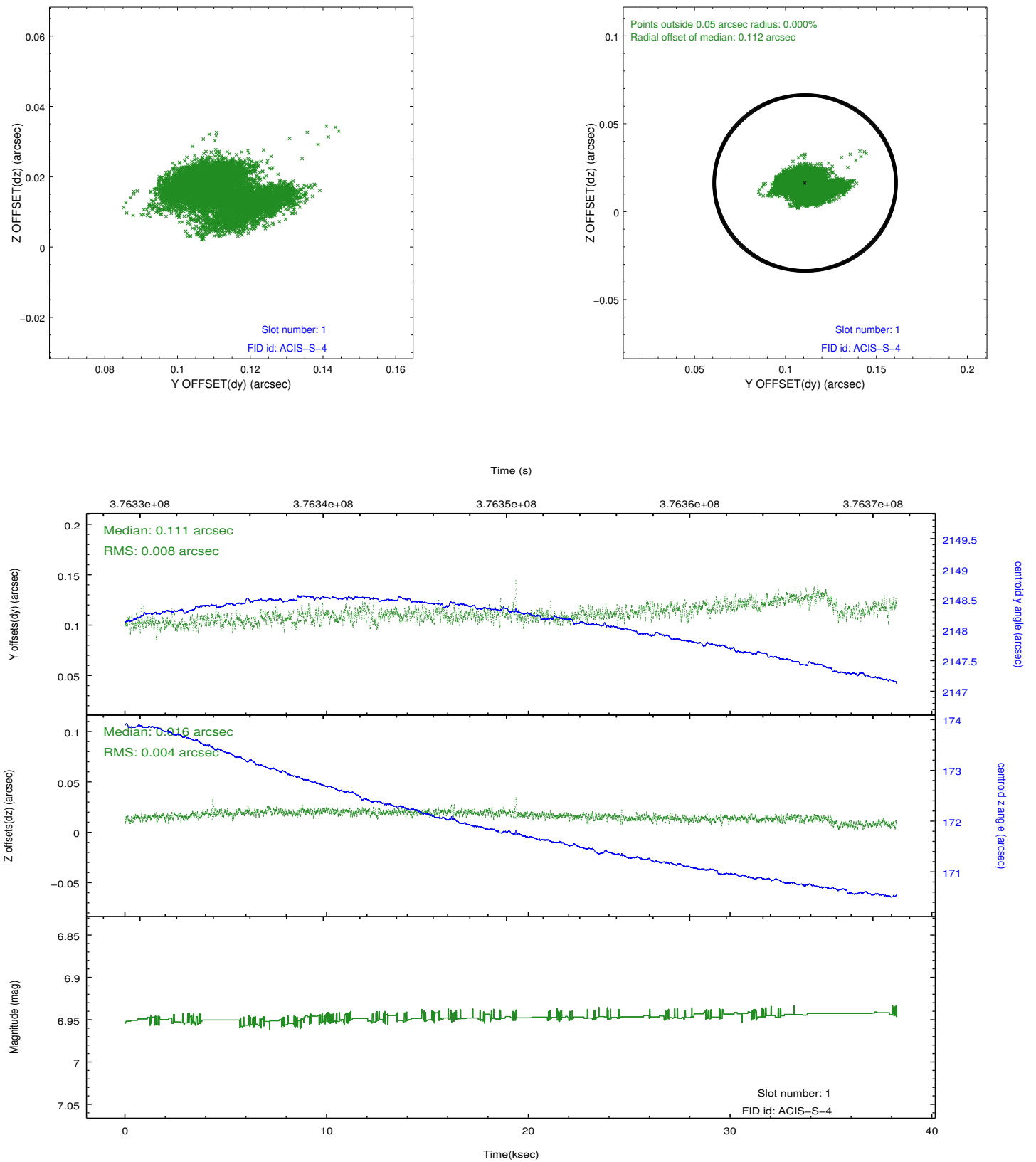


2.5 FID Slots

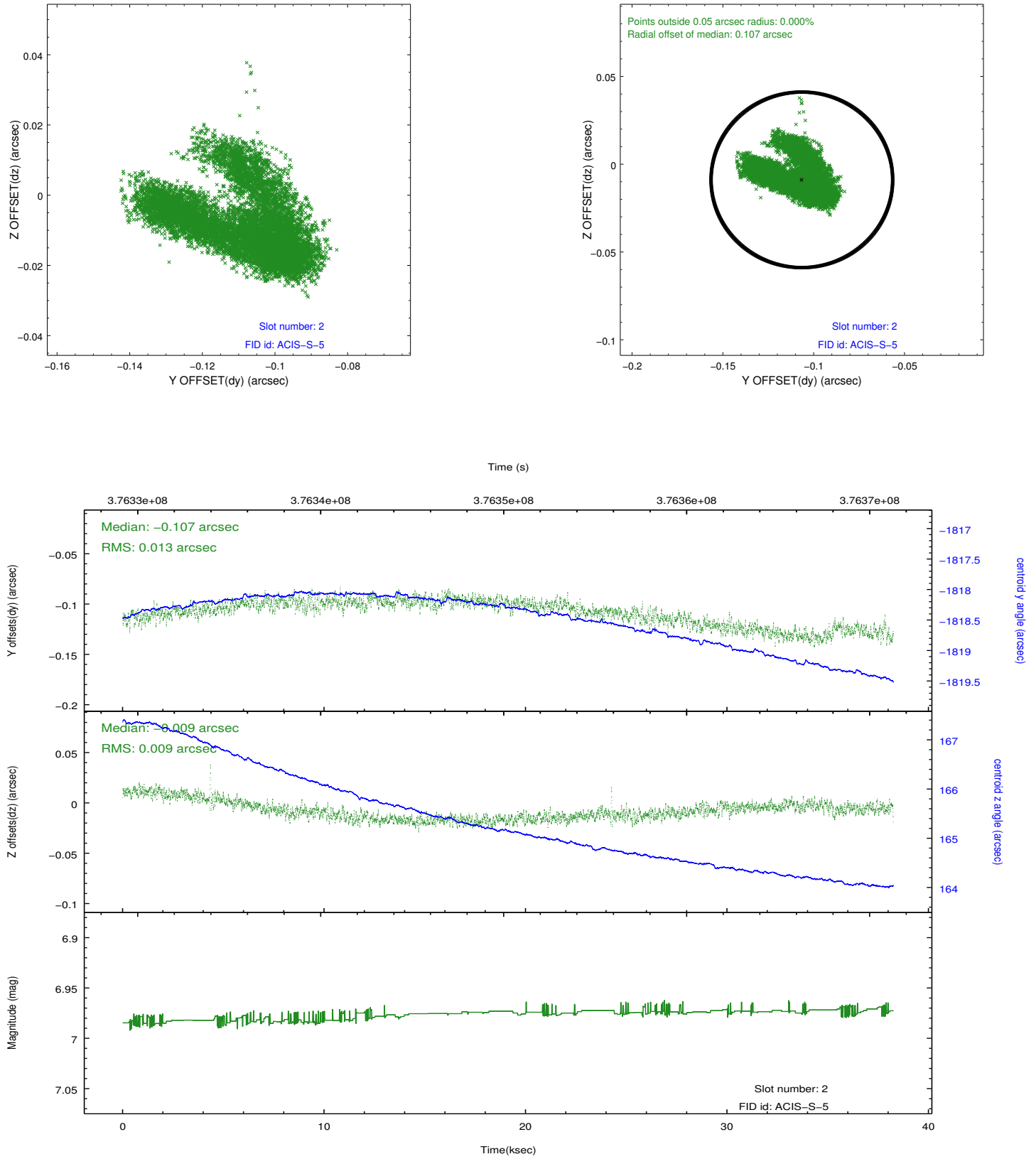
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.220977883518

A.2 Comments