

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10739 - L2 Version 2
Chandra X-Ray Center

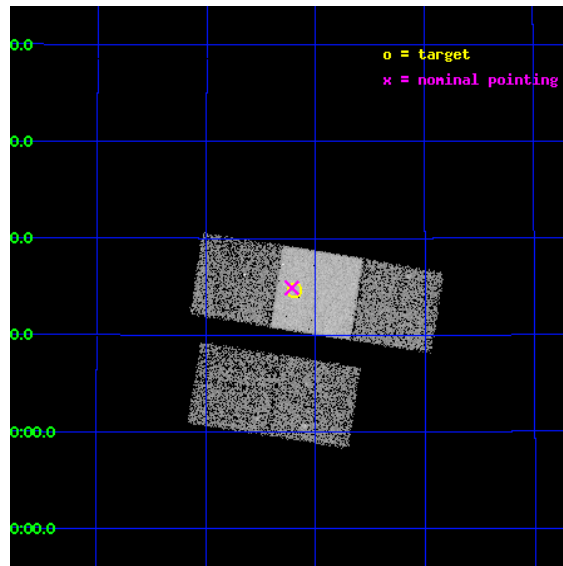
L2 Processing Date : Jun 15 2012

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1 Front

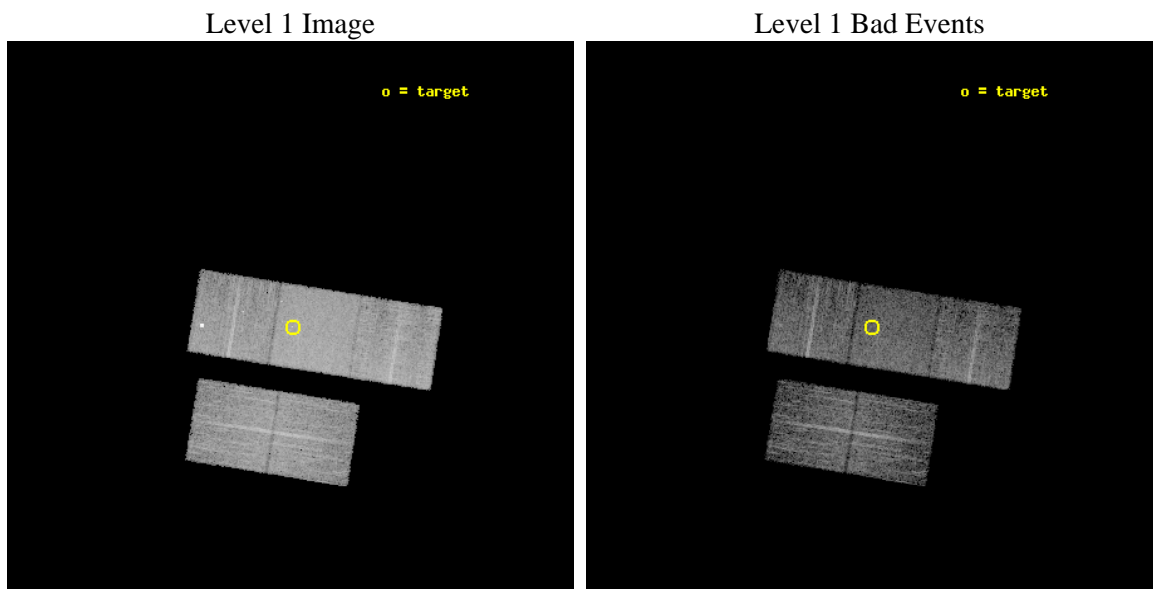
seq_num	701969	Sequence number
obs_id	10739	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J123011.84+401442.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.549333	Observer's specified target RA [deg]
dec_targ	40.24525	Observer's specified target Dec [deg]
ra_nom	187.55416595228	Nominal RA [deg]
dec_nom	40.248370583987	Nominal Dec [deg]
roll_nom	9.0535105377094	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5031.3000386953	Sum of GTIs [s]
livetime	4965.5623997006	Livetime [s]
ontime2	5028.1590583324	Sum of GTIs [s]
ontime3	5031.3000386953	Sum of GTIs [s]
ontime6	5028.1590483189	Sum of GTIs [s]
ontime7	5031.3000386953	Sum of GTIs [s]
ontime8	5028.1590384245	Sum of GTIs [s]
l2events	54307	Number of level 2 events



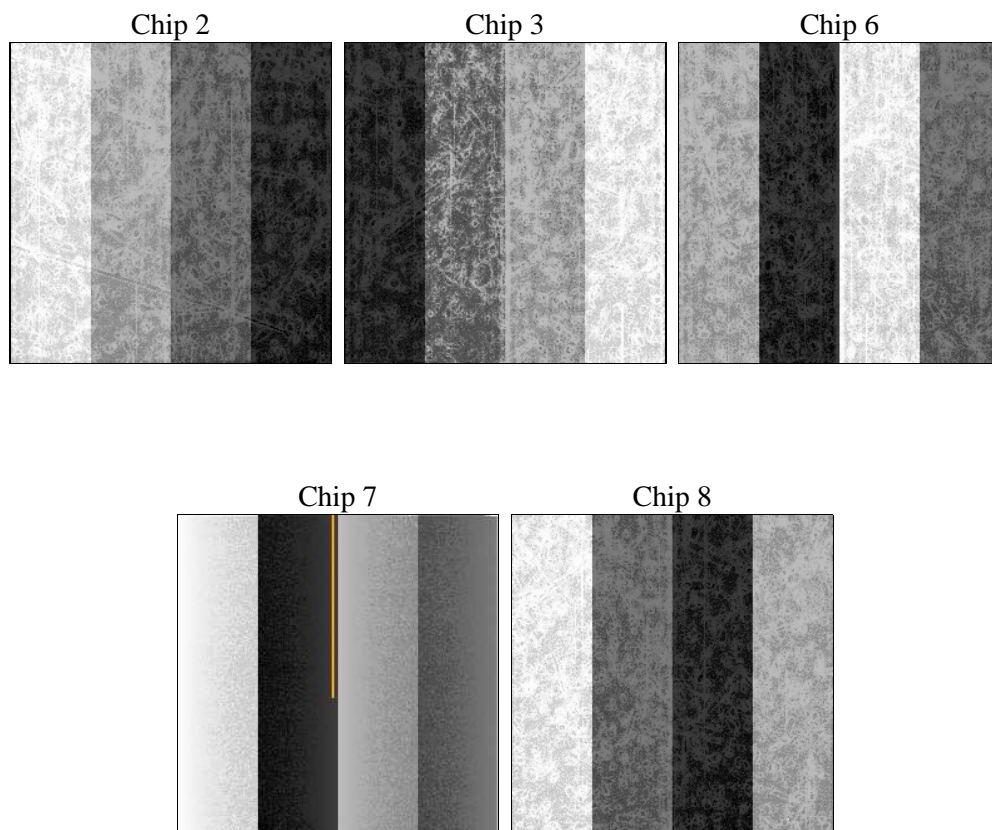
2 OBI

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	5031.3000386953	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	5028.1590583324	Sum of GTIs [s]
date	2012-06-15T12:21:11	Date and time of file creation	ontime3	5031.3000386953	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5028.1590483189	Sum of GTIs [s]
			ontime7	5031.3000386953	Sum of GTIs [s]
			ontime8	5028.1590384245	Sum of GTIs [s]
			l1events	301810	Number of level 1 events

2.1.4 Events

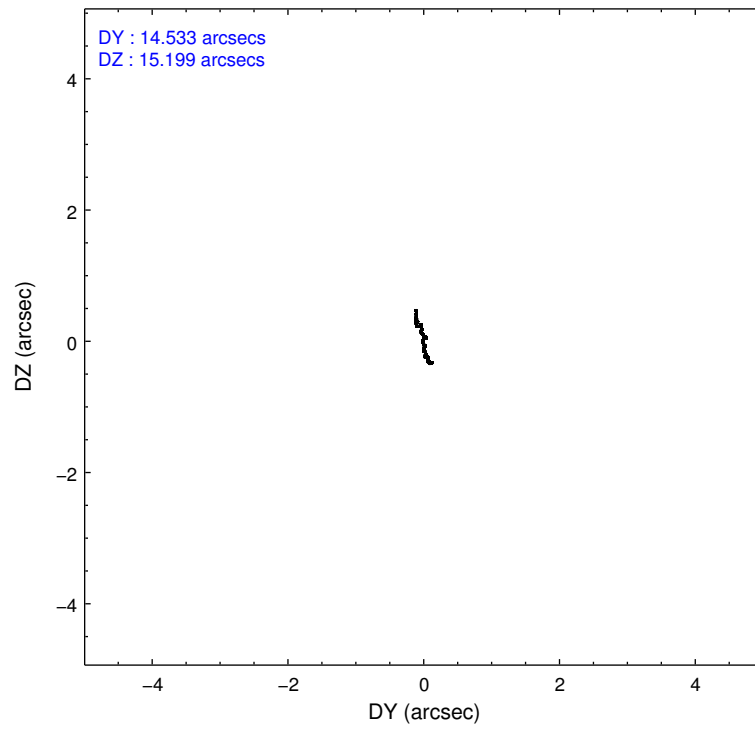
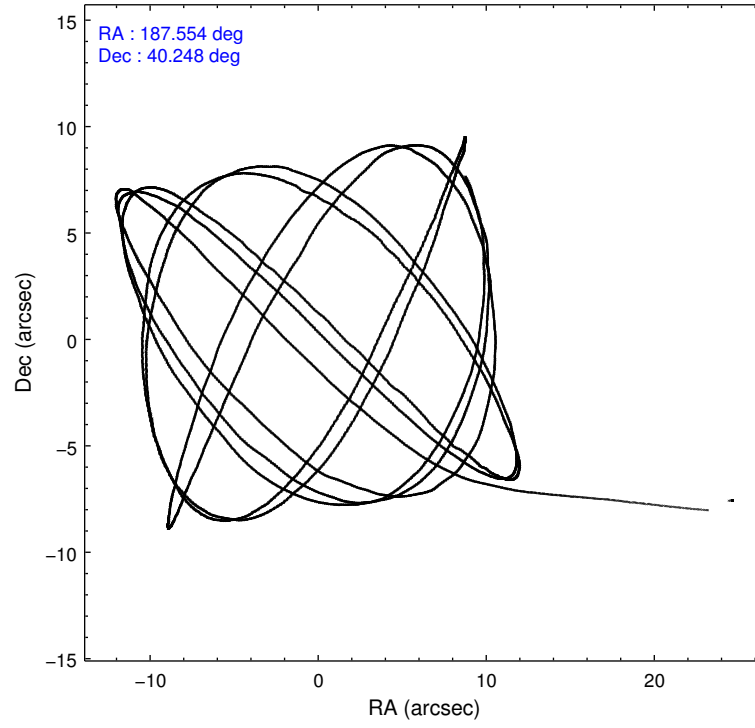
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	50813	50322	56717	76056	67902
rejected events	44466	43905	47470	44566	51678
rejected %	87%	87%	83%	58%	76%

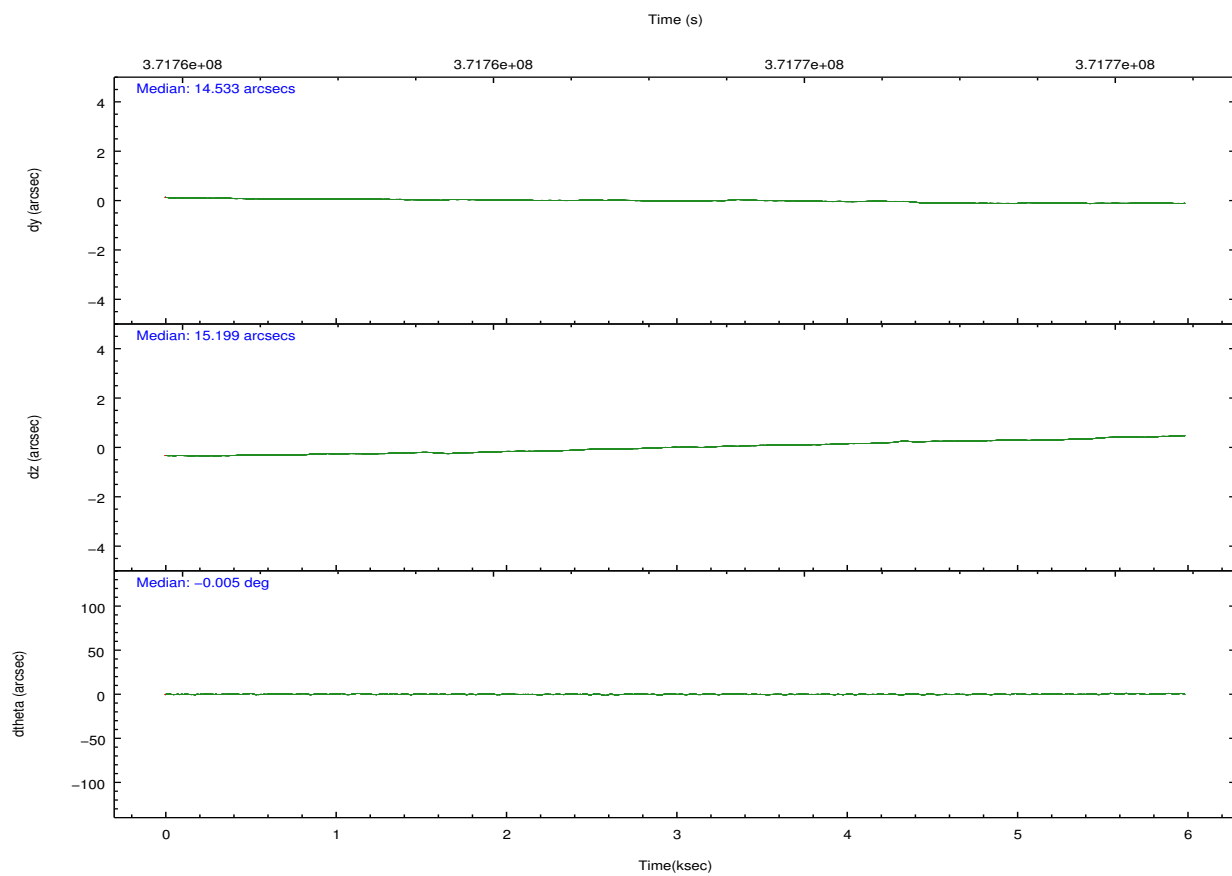
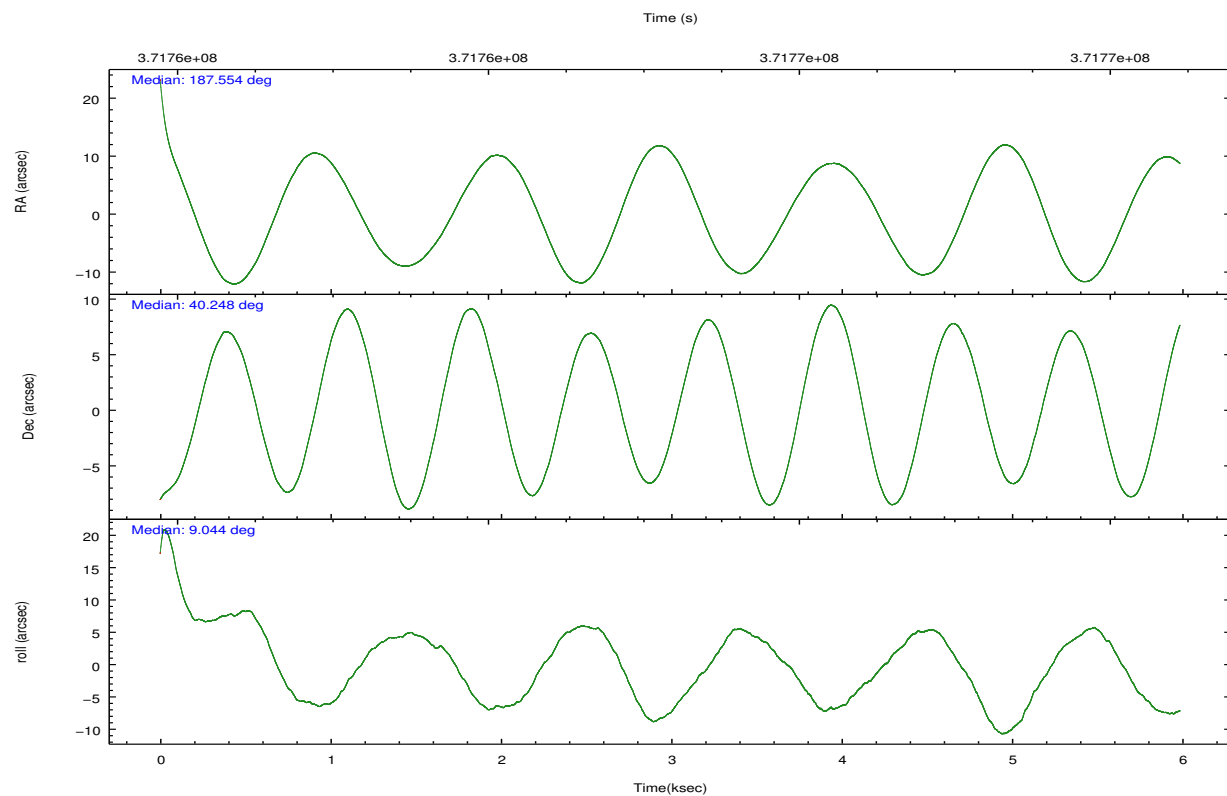
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2718	2834	2518	2754	5041
	5%	5%	4%	3%	7%
grade 1 events	42	40	24	93	56
	0%	0%	0%	0%	0%
grade 2 events	1387	1306	4267	6552	3835
	2%	2%	7%	8%	5%
grade 3 events	587	560	552	2608	1648
	1%	1%	0%	3%	2%
grade 4 events	568	602	583	2580	1552
	1%	1%	1%	3%	2%
grade 5 events	2173	2483	2609	7149	3532
	4%	4%	4%	9%	5%
grade 6 events	1096	1119	1331	17012	4152
	2%	2%	2%	22%	6%
grade 7 events	42242	41378	44833	37308	48086
	83%	82%	79%	49%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	187.526646	187.5541659522813	CCD I2 on	O1	Y
[deg] Pointing Dec	40.230898	40.24837058398739	CCD I3 on	O2	Y
[deg] Pointing Roll	8.914649	9.05351053770943	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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)	371763159.184000	371761019.07469	CCD S5 on	N	N
Observation start date	2009-10-12T19:31:33	2009-10-12T18:56:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	371768159.184000	371768970.00009	On-chip summing requested	N	N
Observation end date	2009-10-12T20:54:53	2009-10-12T21:09:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



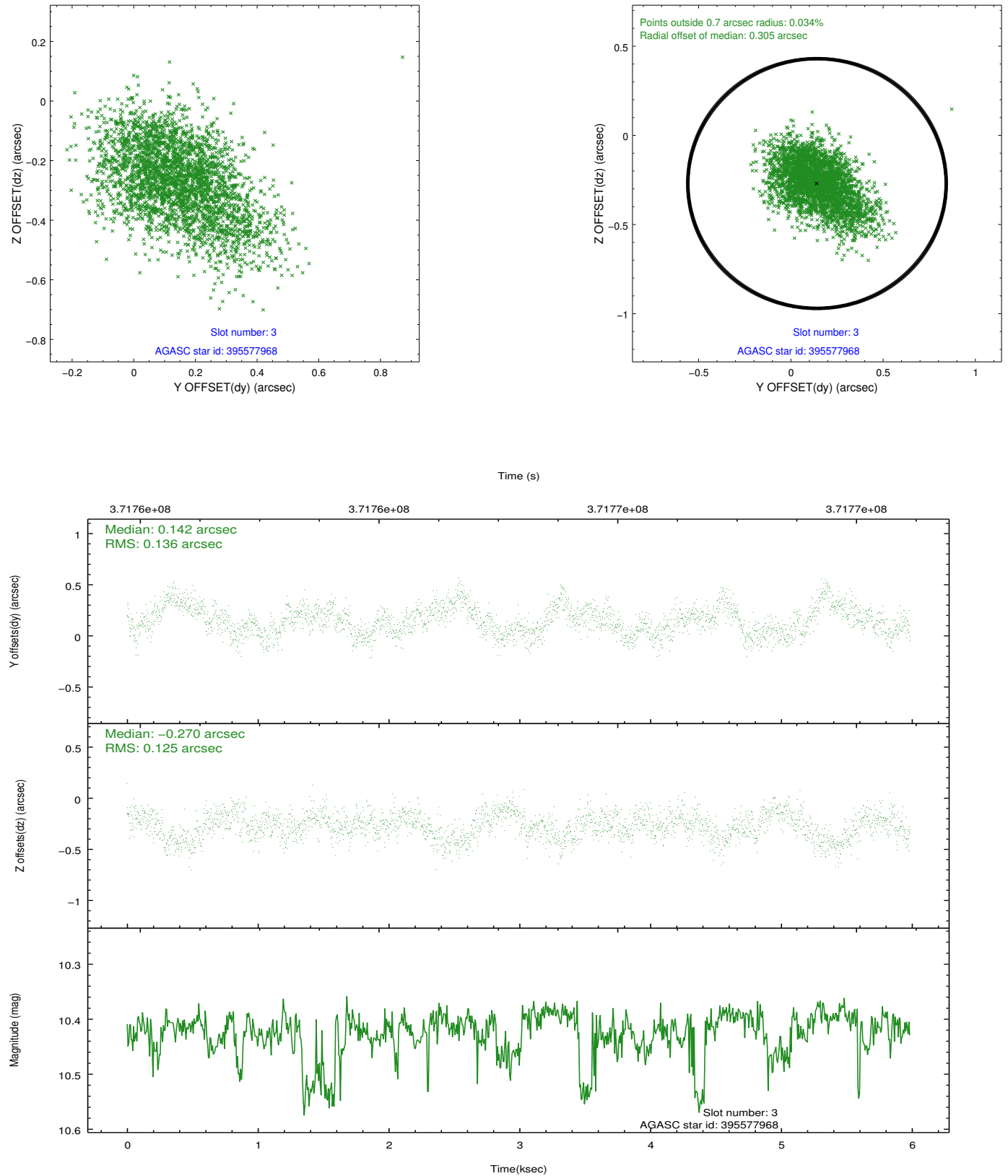


Slot Statistics

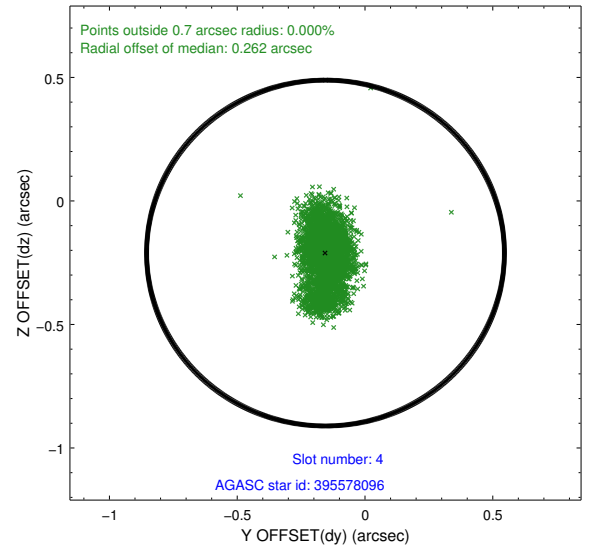
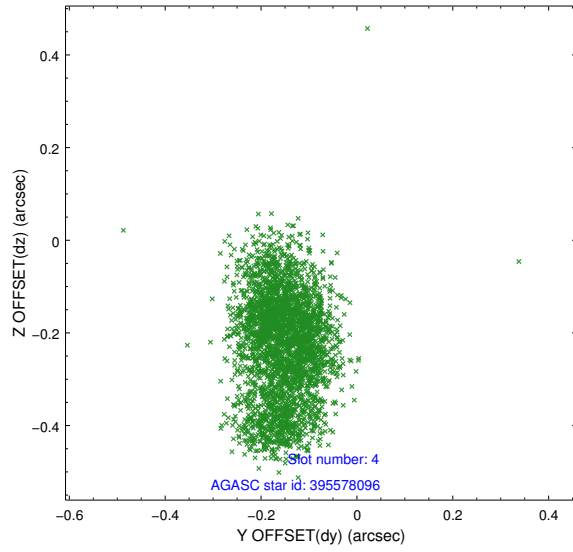
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	1461	-0.086	-0.016	0.009	0.014	0.000000	0.000000	-767.54	-1736.62
1	FID	ACIS-S-4	6.96	1461	0.205	0.046	0.007	0.011	0.000000	0.000000	2145.55	170.94
2	FID	ACIS-S-5	6.98	1461	-0.151	-0.021	0.007	0.012	0.000000	0.000000	-1819.20	165.62
3	GUIDE	395577968	10.42	2904	0.142	-0.270	0.194	0.328	187.047193	40.778236	-986.33	2152.10
4	GUIDE	395578096	8.45	2919	-0.155	-0.211	0.127	0.219	187.586419	40.830440	494.60	2108.14
5	GUIDE	395578616	9.63	2913	0.188	0.270	0.160	0.249	187.412436	39.601473	-663.85	-2188.54
6	GUIDE	395584416	9.85	2897	-0.068	-0.104	0.198	0.307	188.360304	40.404206	2354.49	273.08
7	GUIDE	395577712	6.68	2920	-0.099	0.338	0.085	0.140	187.768260	39.582048	302.18	-2409.93

2.4 Star Slots

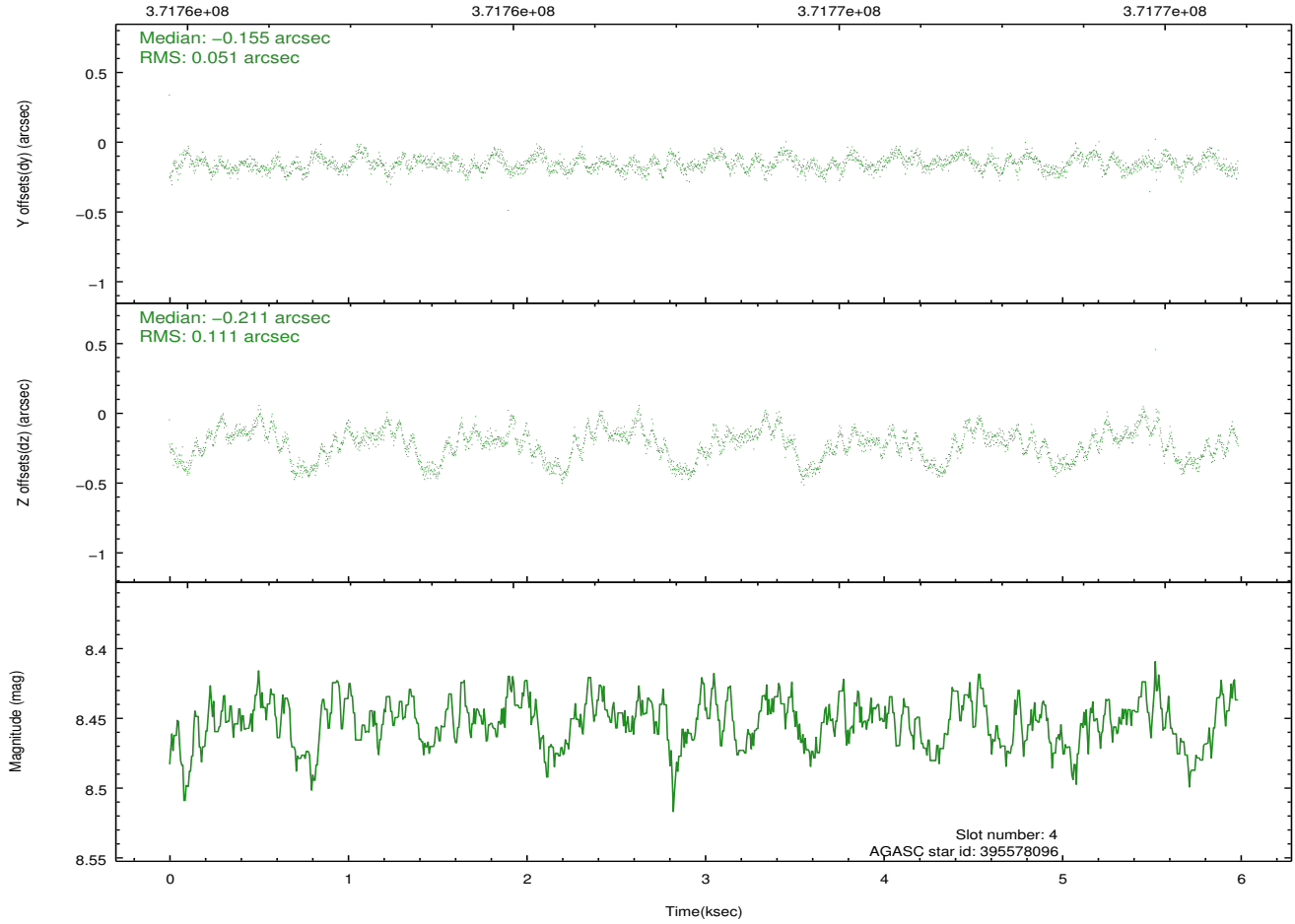
2.4.1 Slot 3



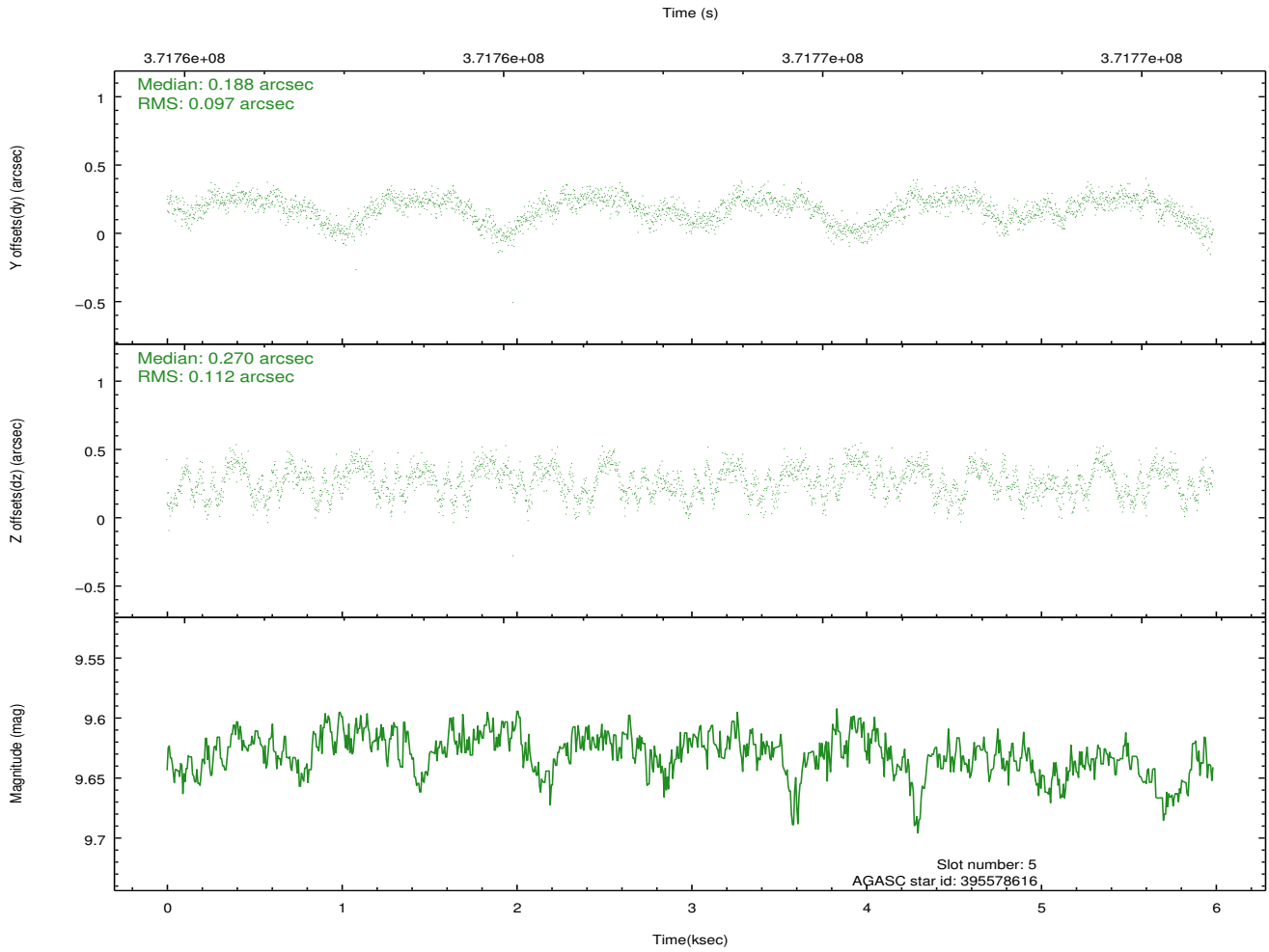
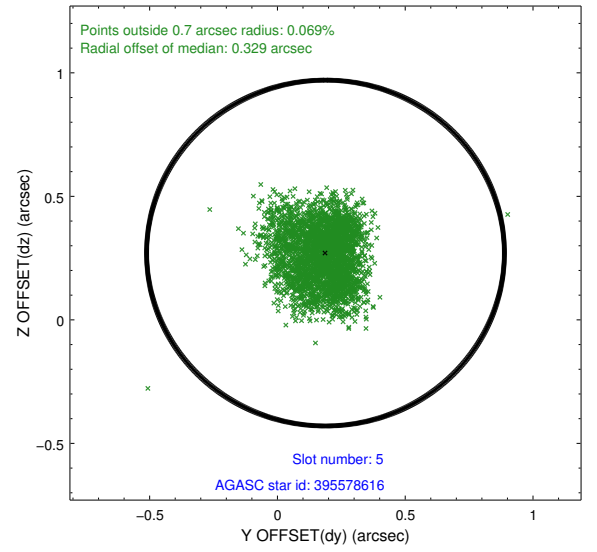
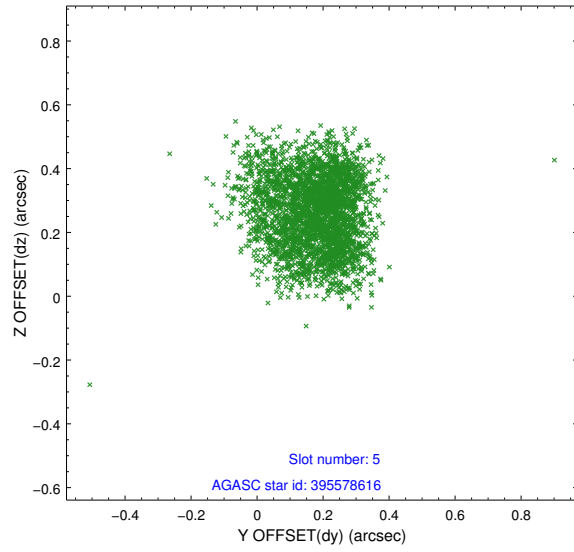
2.4.2 Slot 4



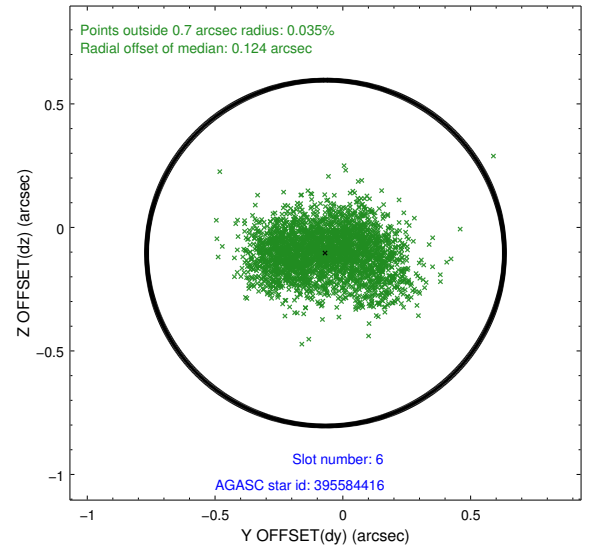
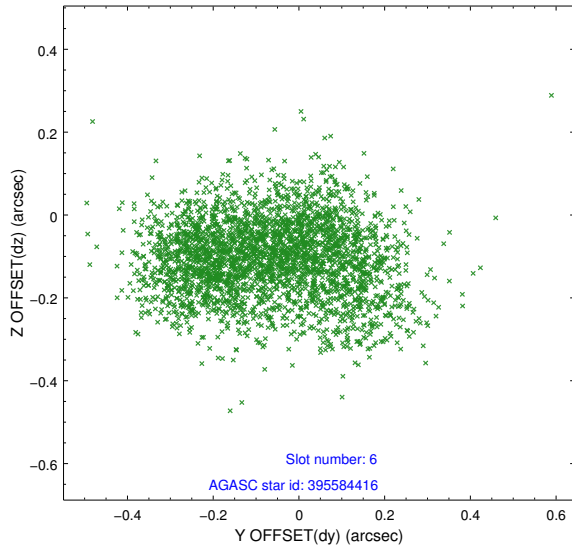
Time (s)



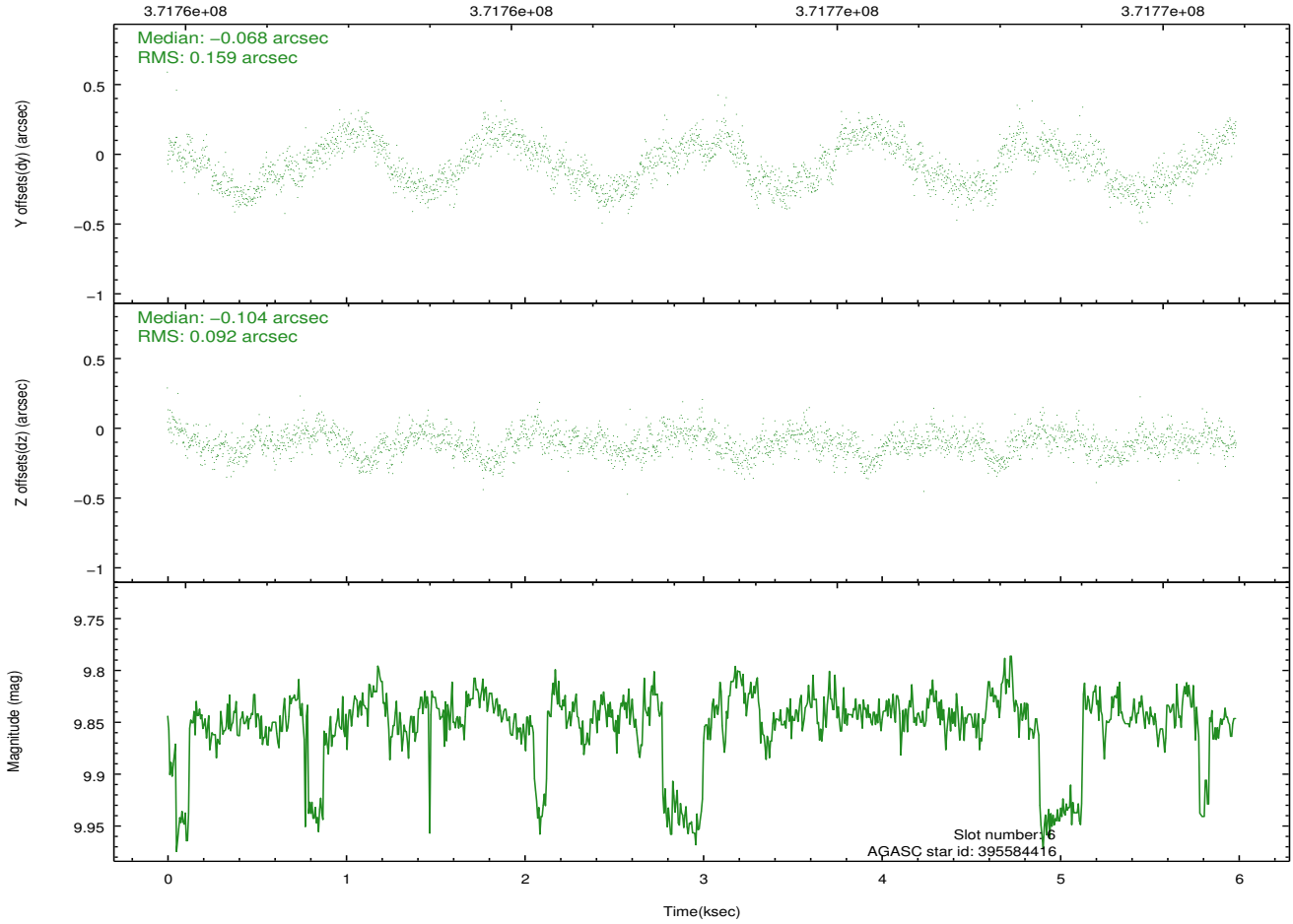
2.4.3 Slot 5



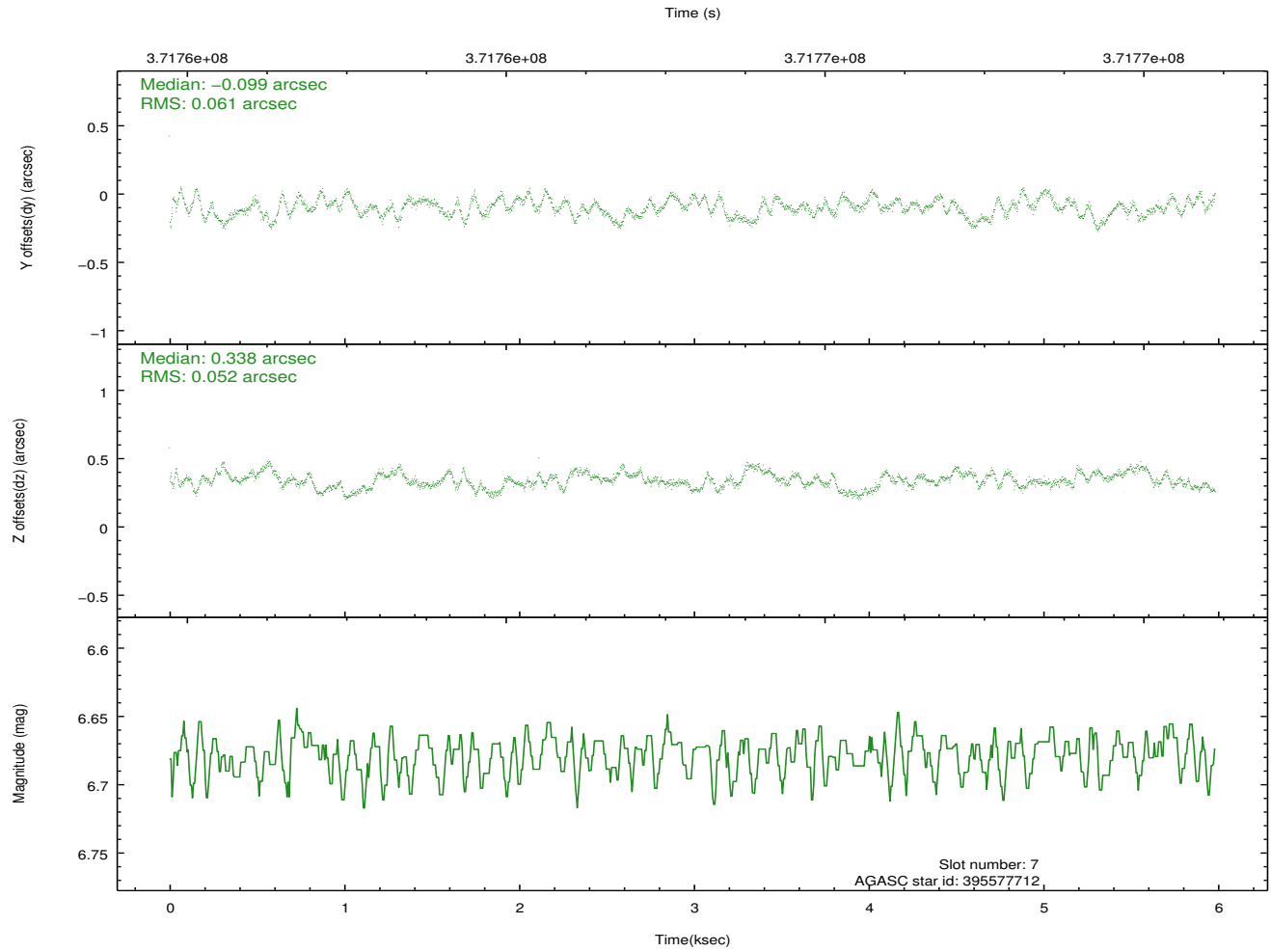
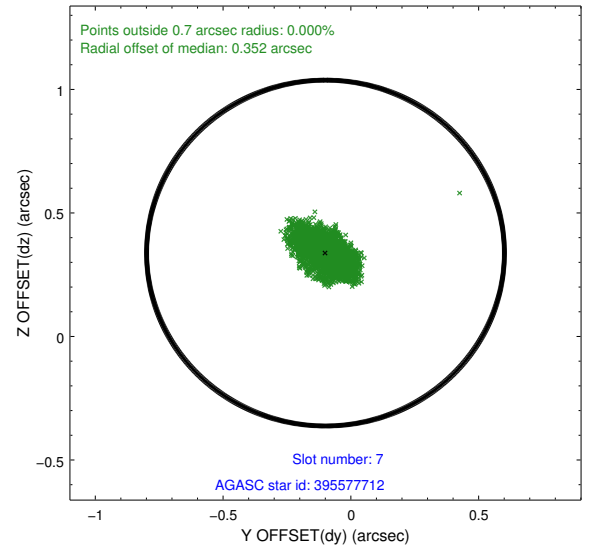
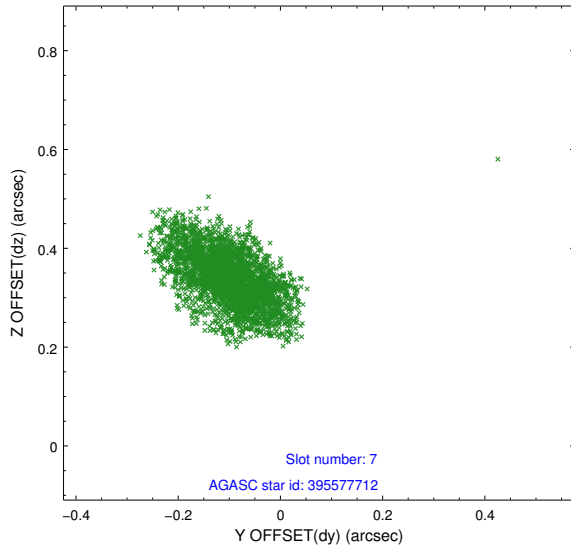
2.4.4 Slot 6



Time (s)

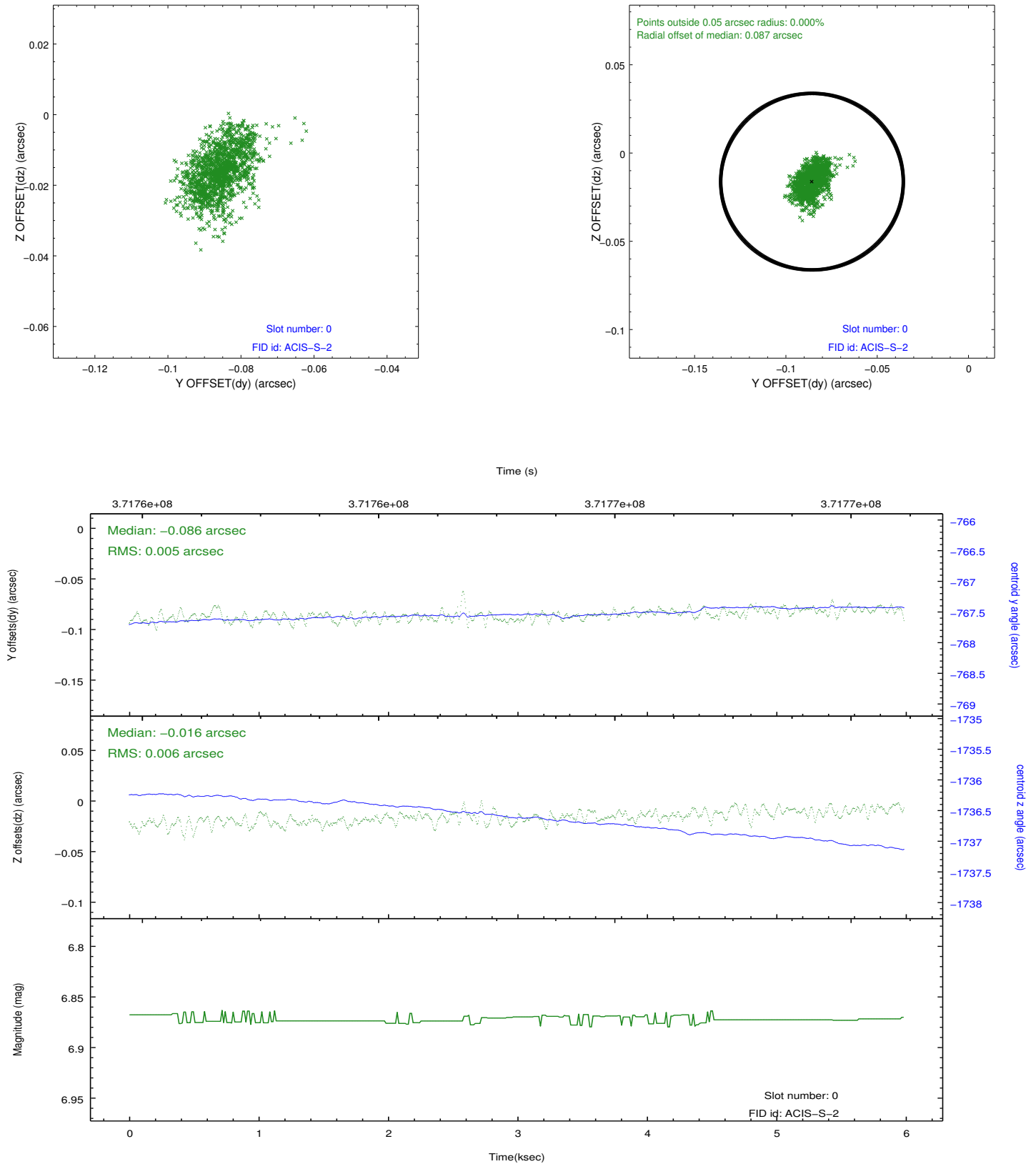


2.4.5 Slot 7

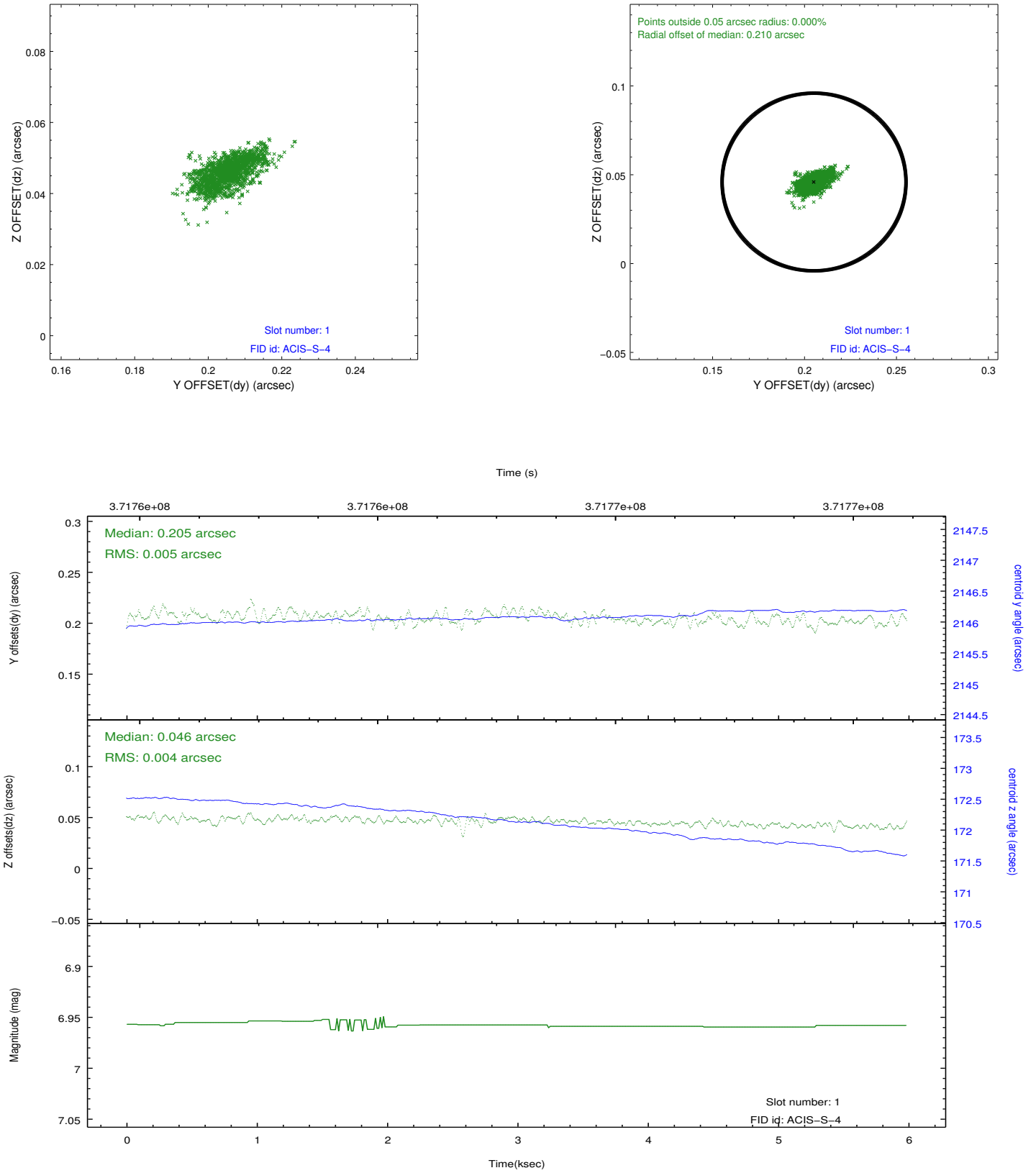


2.5 FID Slots

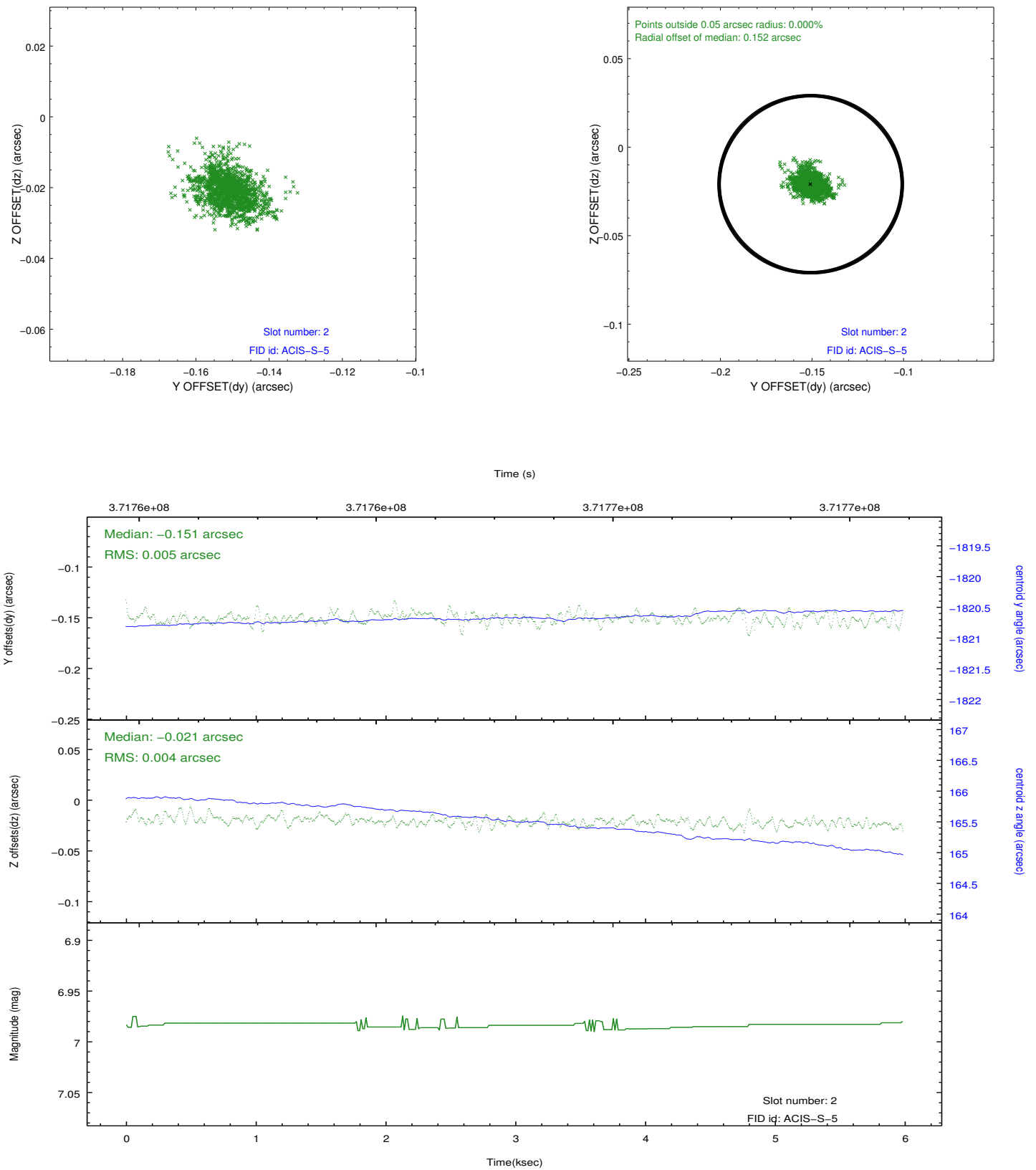
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0282000386715

A.2 Comments