

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12157 - L2 Version 2
Chandra X-Ray Center

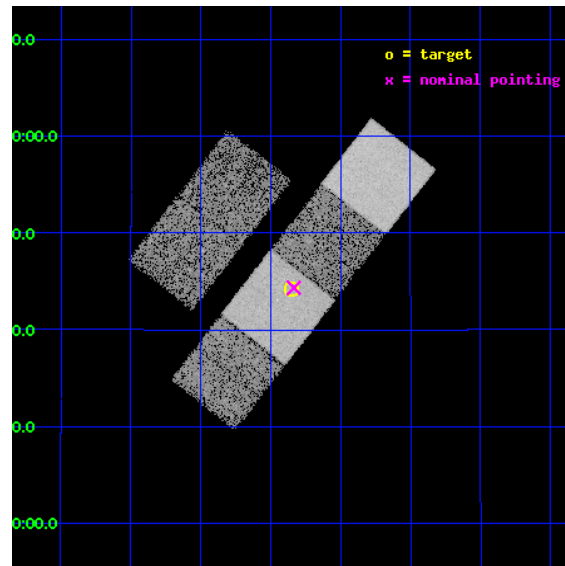
L2 Processing Date : Jul 2 2012

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1 Front

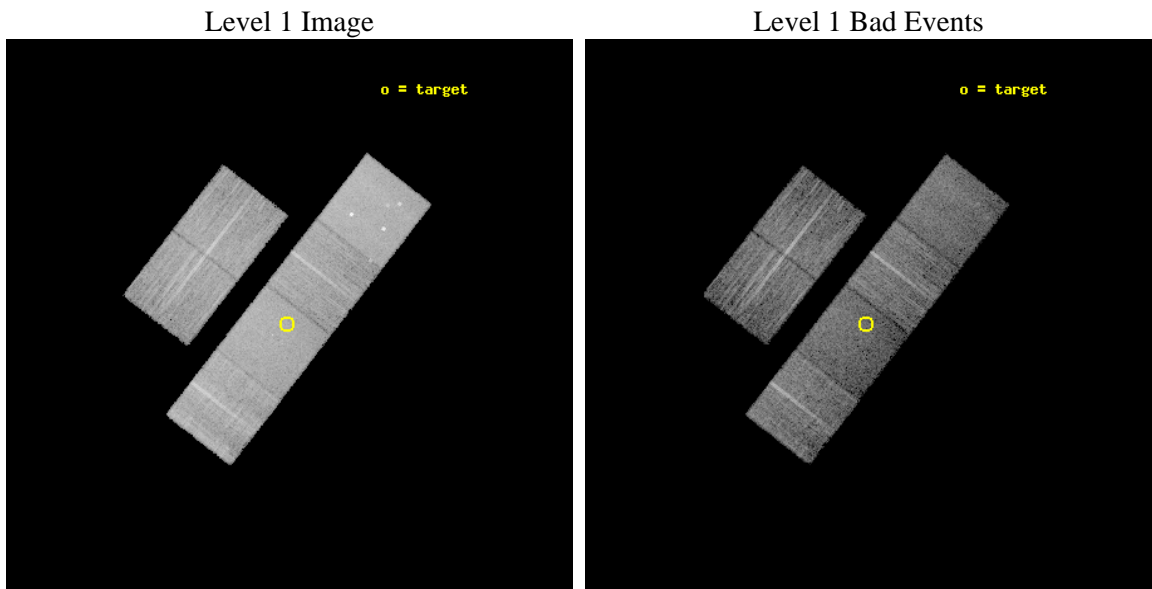
seq_num	702327	Sequence number
obs_id	12157	Observation id
title	Snapshot survey of 3CRR radio galaxies	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	4C 12.03	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	2.463221	Observer's specified target RA [deg]
dec_targ	12.7372	Observer's specified target Dec [deg]
ra_nom	2.4585735014485	Nominal RA [deg]
dec_nom	12.738910738176	Nominal Dec [deg]
roll_nom	127.87358137535	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10047.999962628	Sum of GTIs [s]
livetime	9920.7661369219	Livetime [s]
ontime2	10044.758982301	Sum of GTIs [s]
ontime3	10047.999962628	Sum of GTIs [s]
ontime5	10047.999962628	Sum of GTIs [s]
ontime6	10047.999962628	Sum of GTIs [s]
ontime7	10047.999962628	Sum of GTIs [s]
ontime8	10047.999962628	Sum of GTIs [s]
l2events	120987	Number of level 2 events



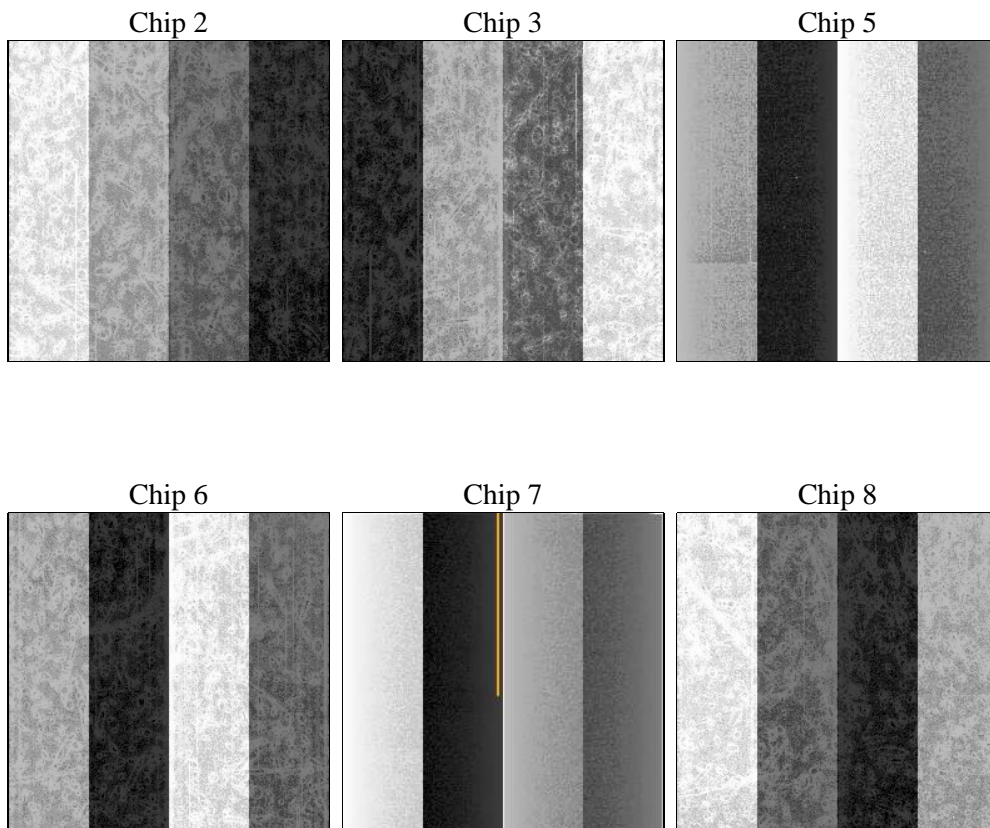
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10047.999962628	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	10044.758982301	Sum of GTIs [s]
date	2012-07-02T05:41:37	Date and time of file creation	ontime3	10047.999962628	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10047.999962628	Sum of GTIs [s]
			ontime6	10047.999962628	Sum of GTIs [s]
			ontime7	10047.999962628	Sum of GTIs [s]
			ontime8	10047.999962628	Sum of GTIs [s]
			l1events	530484	Number of level 1 events

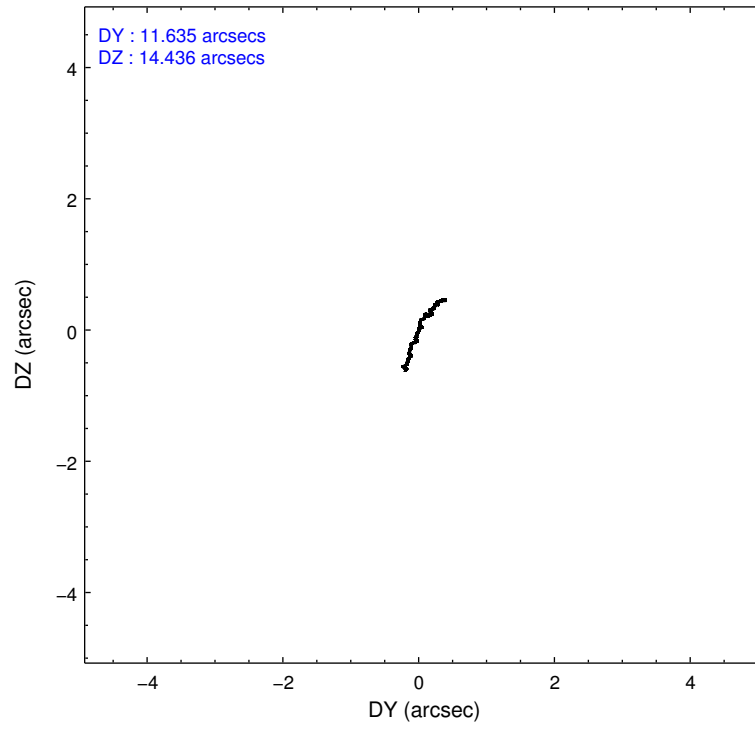
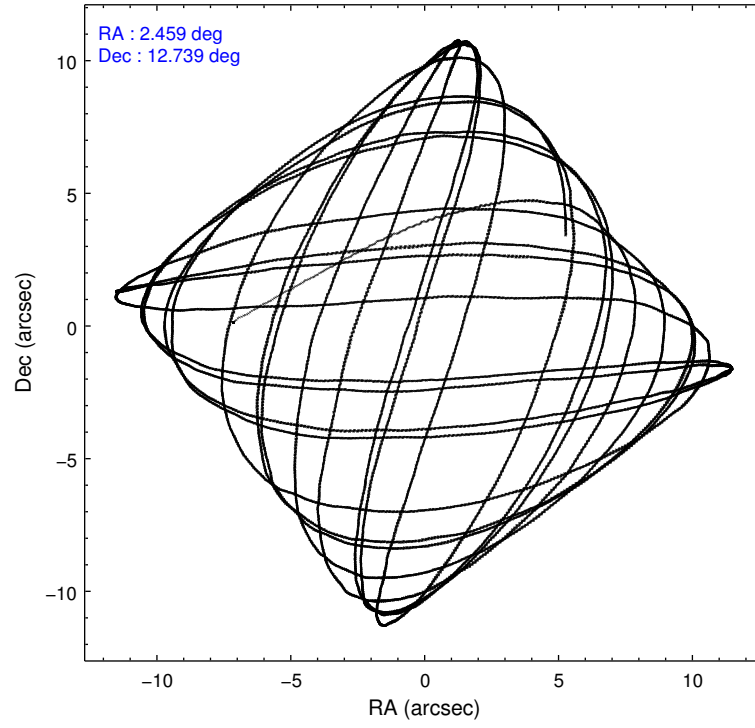
2.1.4 Events

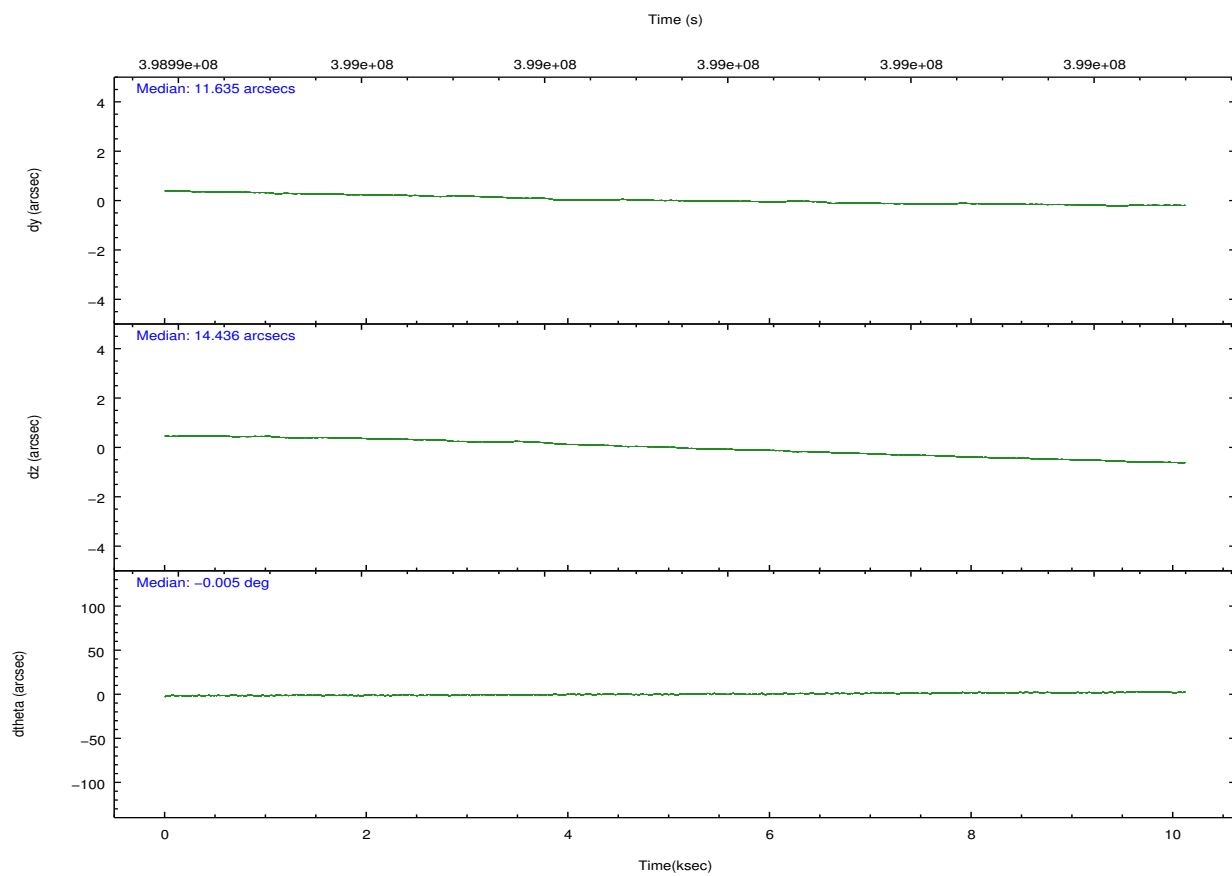
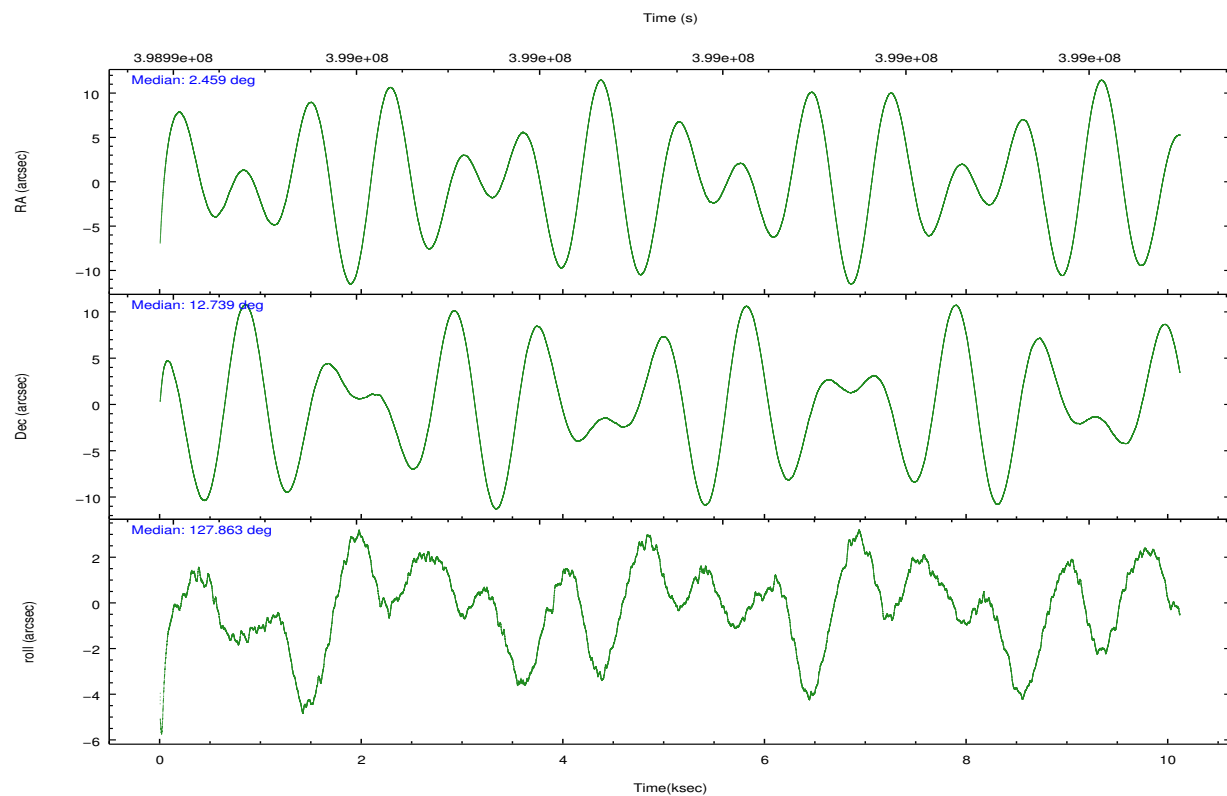
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	75640	72546	114832	77141	91137	99188	grade 0 events	2891	2709	6971	2908	3717	7831
rejected events	67610	64903	57549	68852	49940	72342		3%	3%	6%	3%	4%	7%
rejected %	89%	89%	50%	89%	54%	72%	grade 1 events	44	42	183	40	108	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	1995	1738	16940	1814	8318	6215
								2%	2%	14%	2%	9%	6%
							grade 3 events	783	864	2195	854	3723	2900
								1%	1%	1%	1%	4%	2%
							grade 4 events	855	842	1955	864	3663	2649
								1%	1%	1%	1%	4%	2%
							grade 5 events	2874	3296	8638	3295	9556	5014
								3%	4%	7%	4%	10%	5%
							grade 6 events	1507	1497	29236	1851	21786	7288
								1%	2%	25%	2%	23%	7%
							grade 7 events	64691	61558	48714	65515	40266	67229
								85%	84%	42%	84%	44%	67%

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	2.484674	2.458573501448477	CCD I2 on	Y	Y
[deg] Pointing Dec	12.728935	12.73891073817596	CCD I3 on	Y	Y
[deg] Pointing Roll	127.711213	127.8735813753513	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	398994490.184000	398993196.88208	CCD S5 on	N	N
Observation start date	2010-08-23T23:47:04	2010-08-23T23:26:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	399004490.184000	399004674.83267	On-chip summing requested	N	N
Observation end date	2010-08-24T02:33:44	2010-08-24T02:37:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



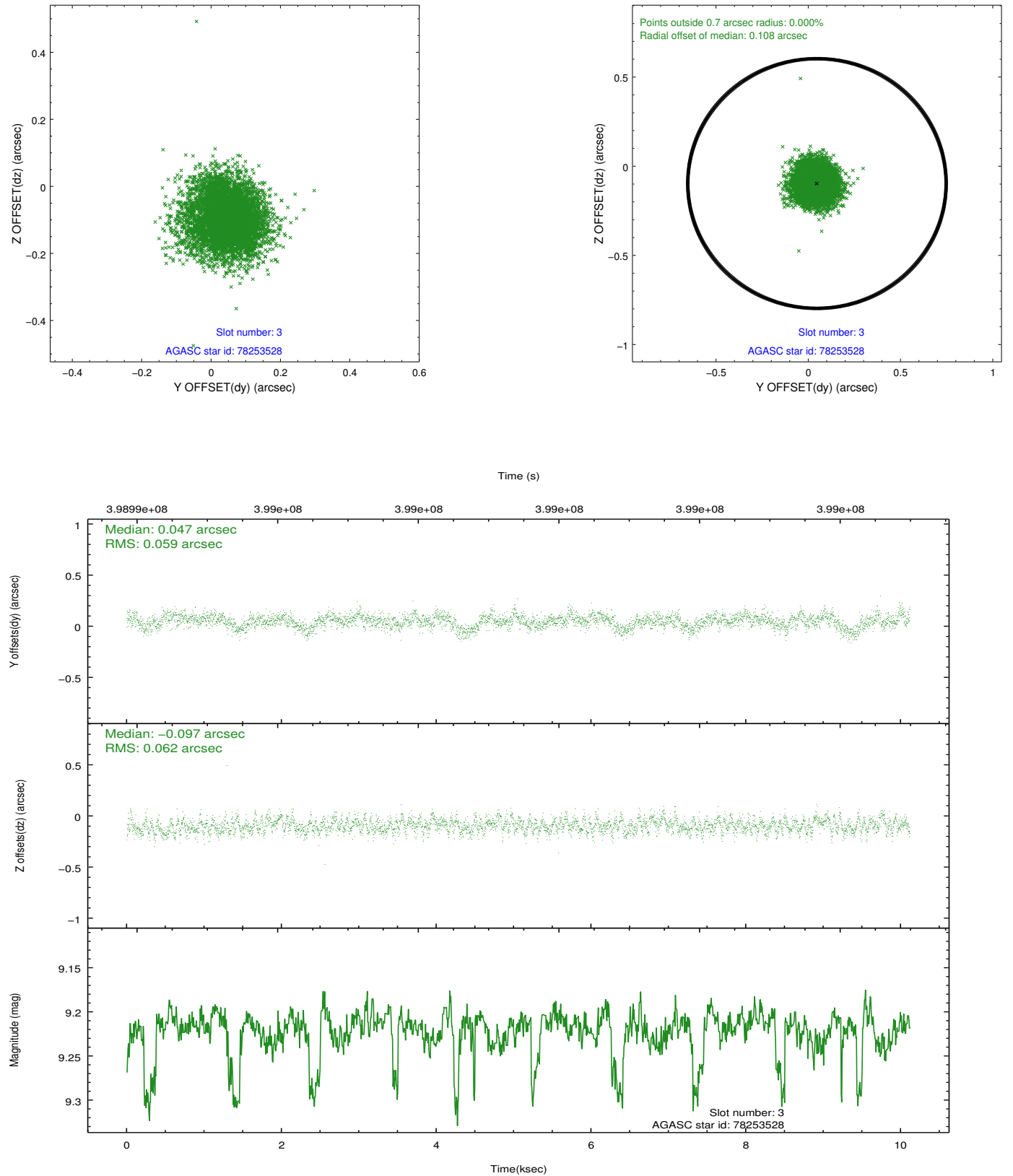


Slot Statistics

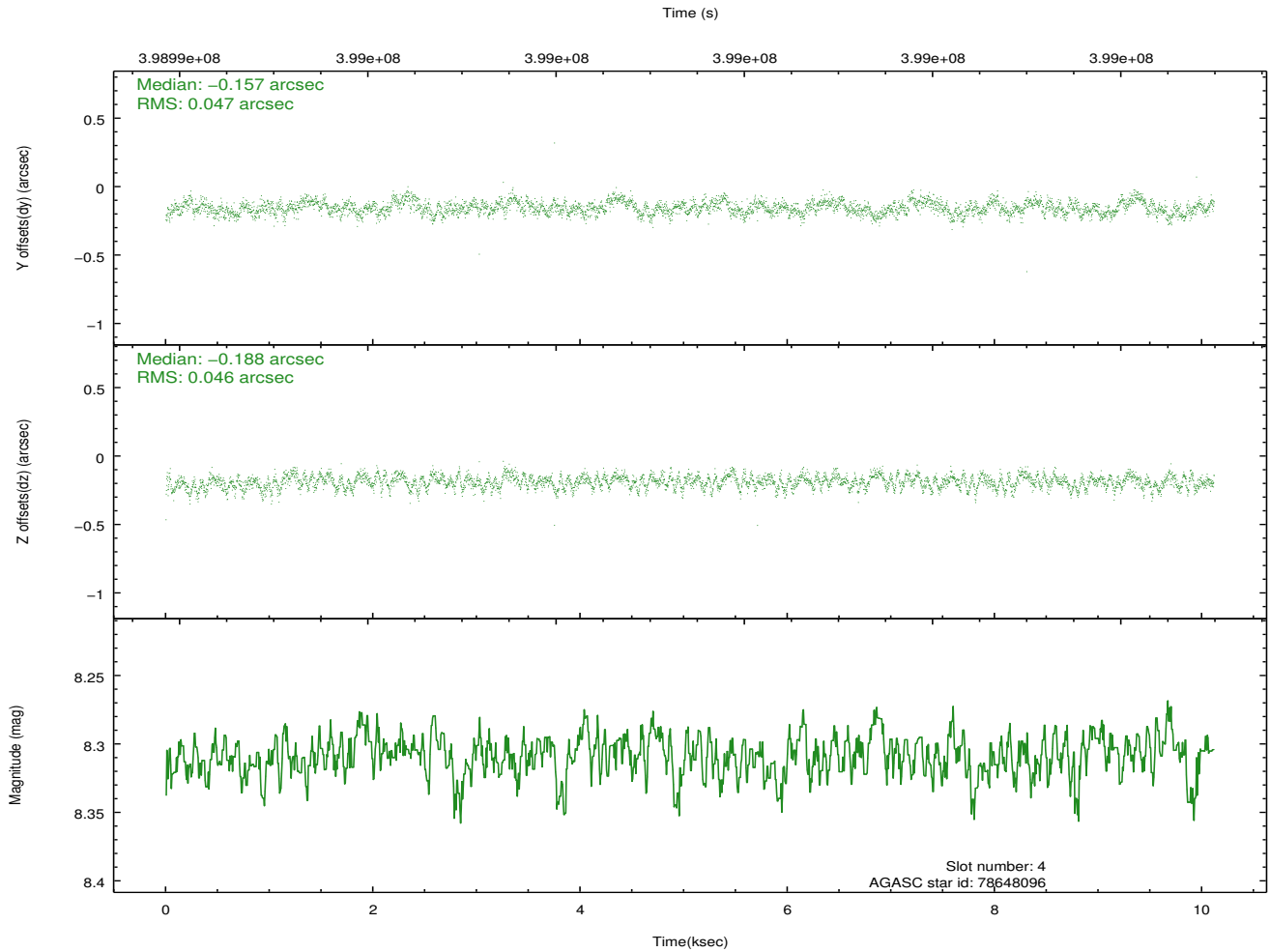
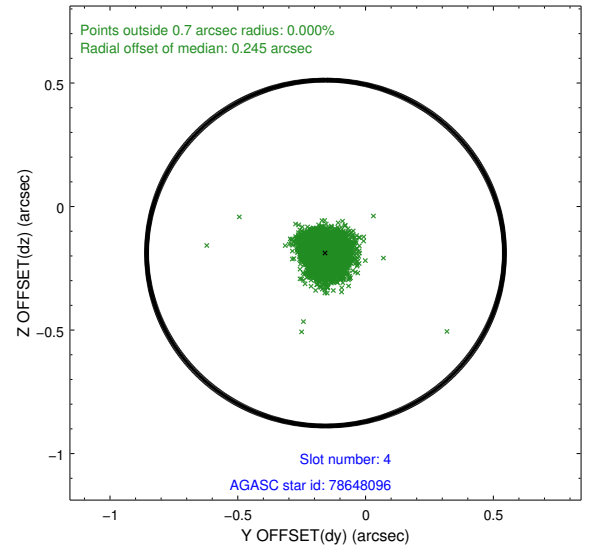
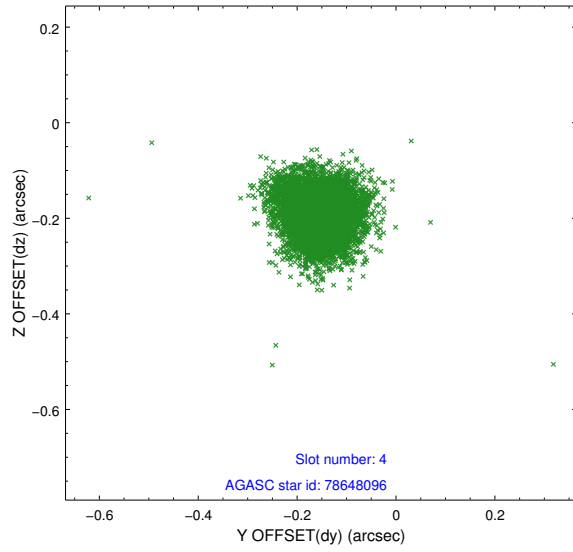
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2468	-0.041	-0.024	0.011	0.021	0.000000	0.000000	-764.57	-1735.75
1	FID	ACIS-S-4	7.01	2468	0.116	0.026	0.010	0.016	0.000000	0.000000	2148.60	172.26
2	FID	ACIS-S-5	7.04	2468	-0.107	0.006	0.010	0.018	0.000000	0.000000	-1816.83	166.47
3	GUIDE	78253528	9.22	4907	0.047	-0.097	0.091	0.147	2.167063	12.445454	-123.90	1507.38
4	GUIDE	78648096	8.31	4936	-0.157	-0.188	0.070	0.108	1.632461	12.831509	2125.56	2138.20
5	GUIDE	78784808	8.59	4934	0.158	0.081	0.069	0.110	2.663030	12.820230	-122.16	-696.04
6	GUIDE	78786512	9.13	4917	0.047	0.021	0.121	0.203	2.618420	13.594958	2181.06	-2276.86
7	GUIDE	78786816	9.00	4935	-0.089	0.182	0.082	0.129	2.831756	13.057113	191.50	-1686.35

2.4 Star Slots

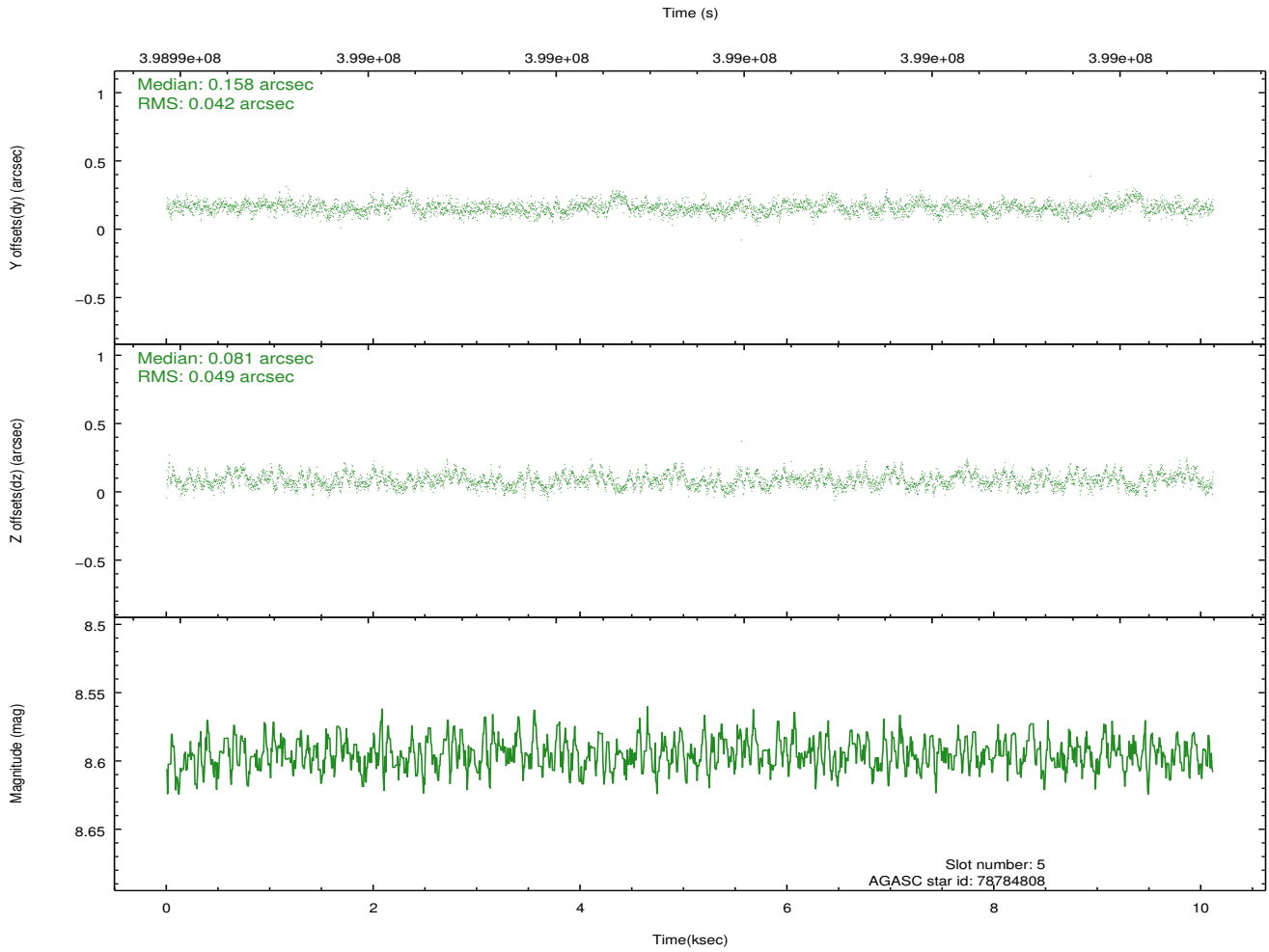
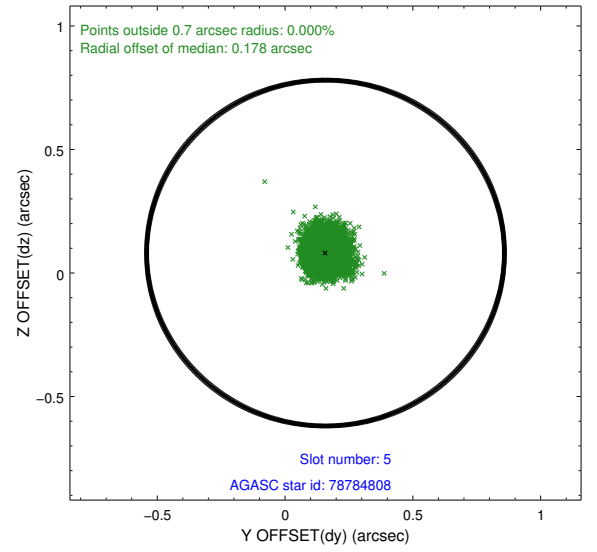
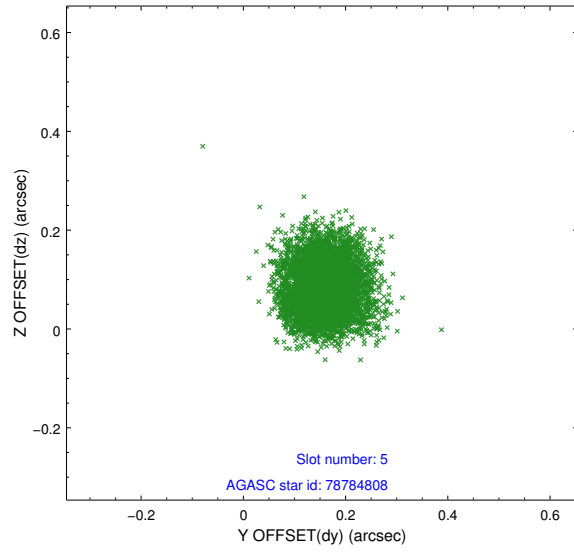
2.4.1 Slot 3



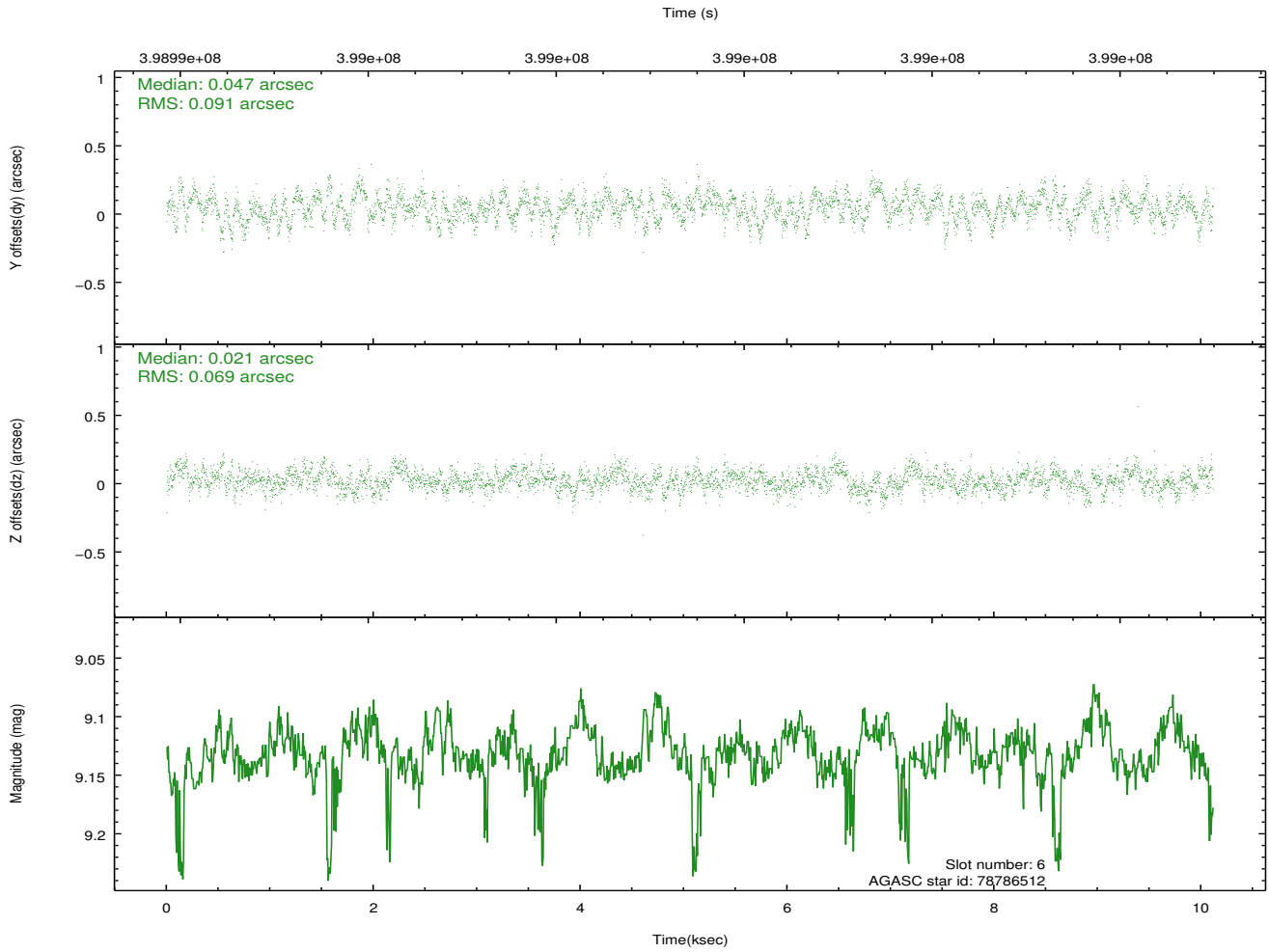
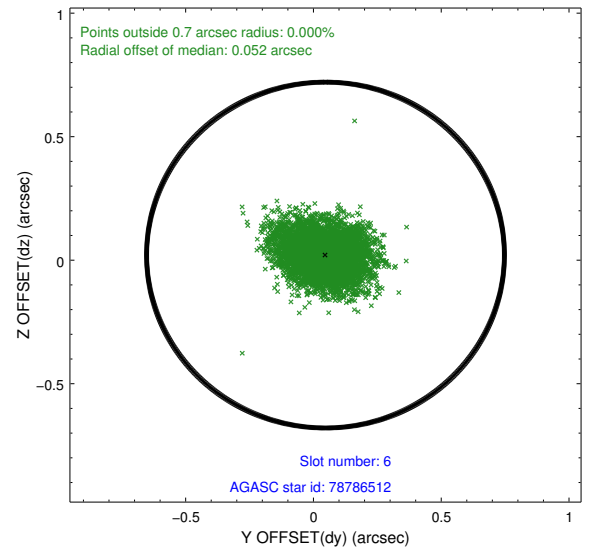
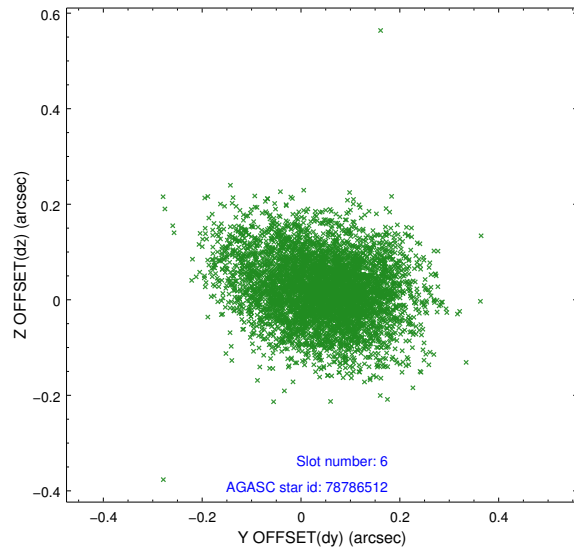
2.4.2 Slot 4



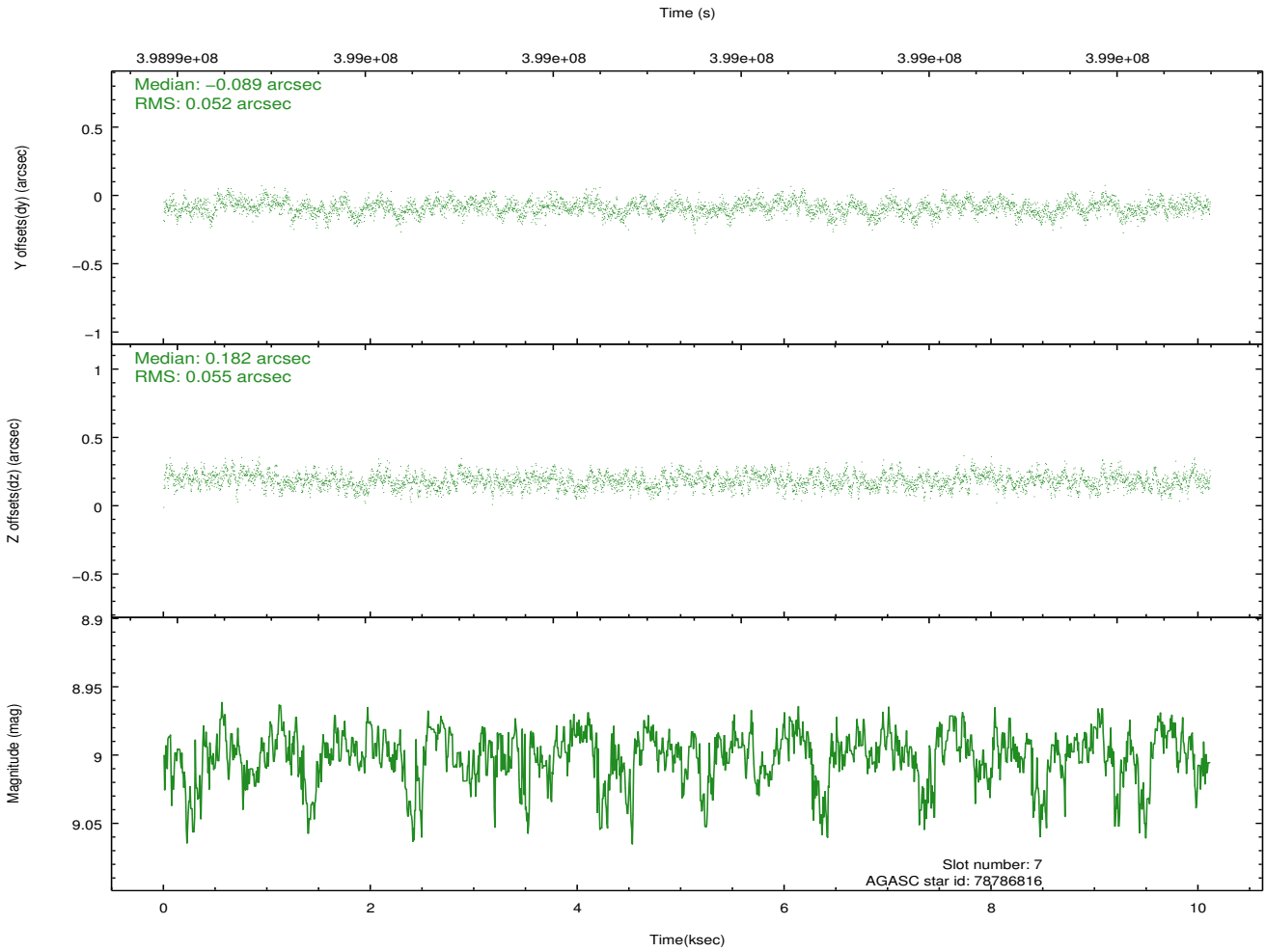
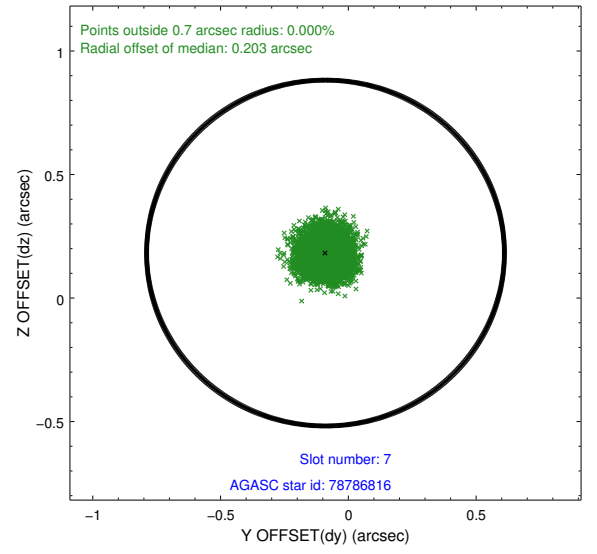
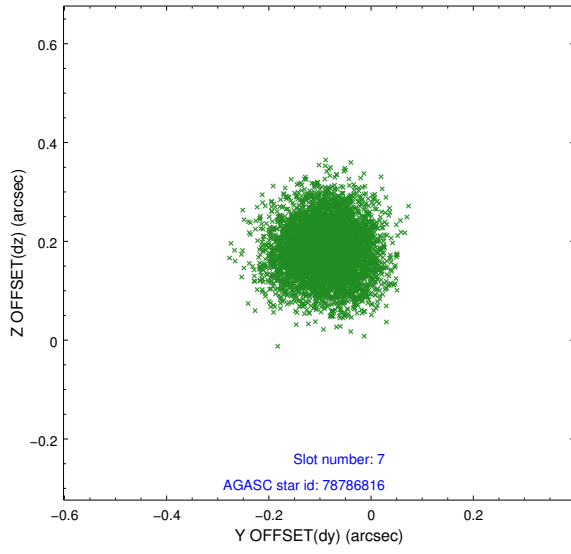
2.4.3 Slot 5



2.4.4 Slot 6

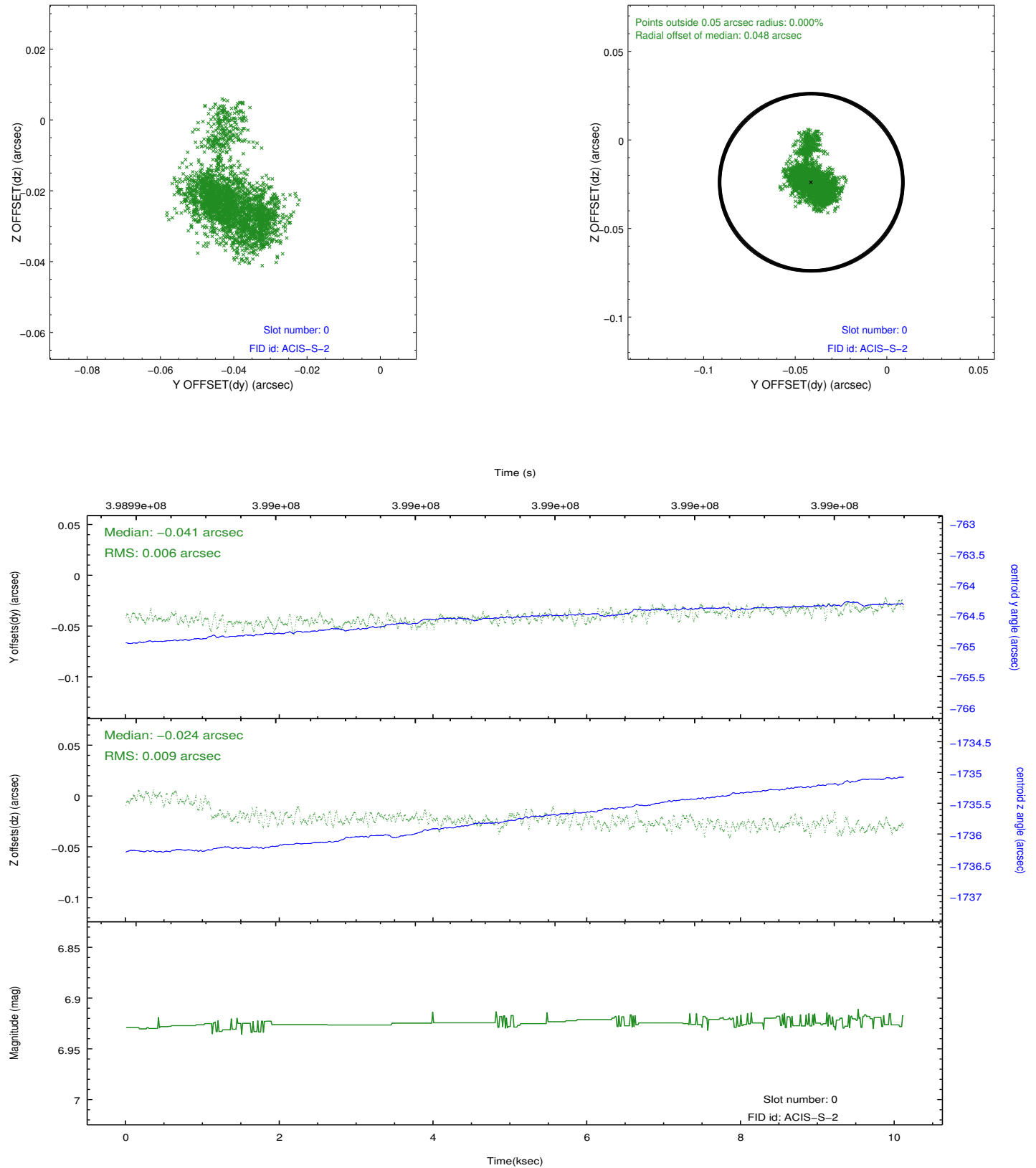


2.4.5 Slot 7

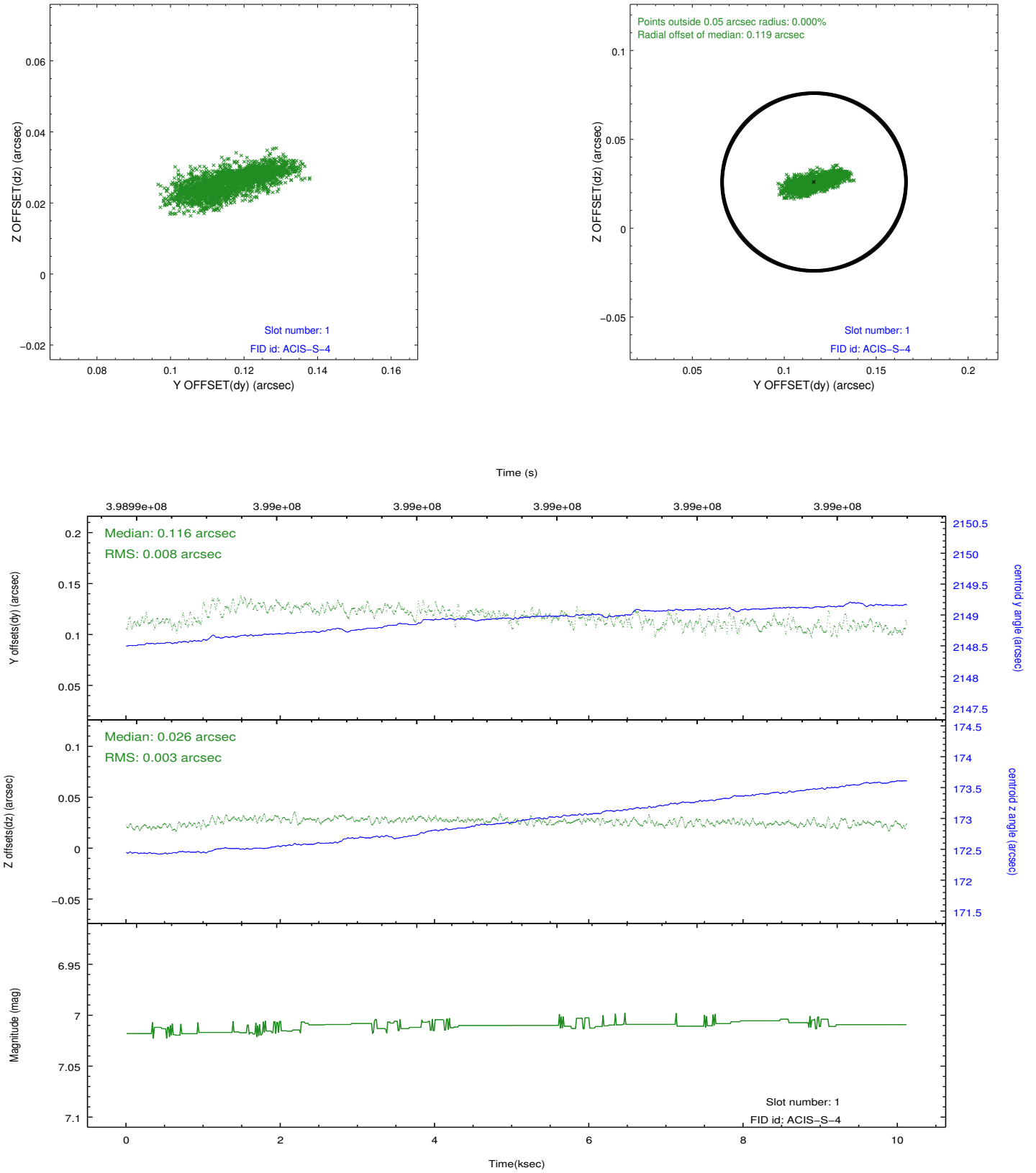


2.5 FID Slots

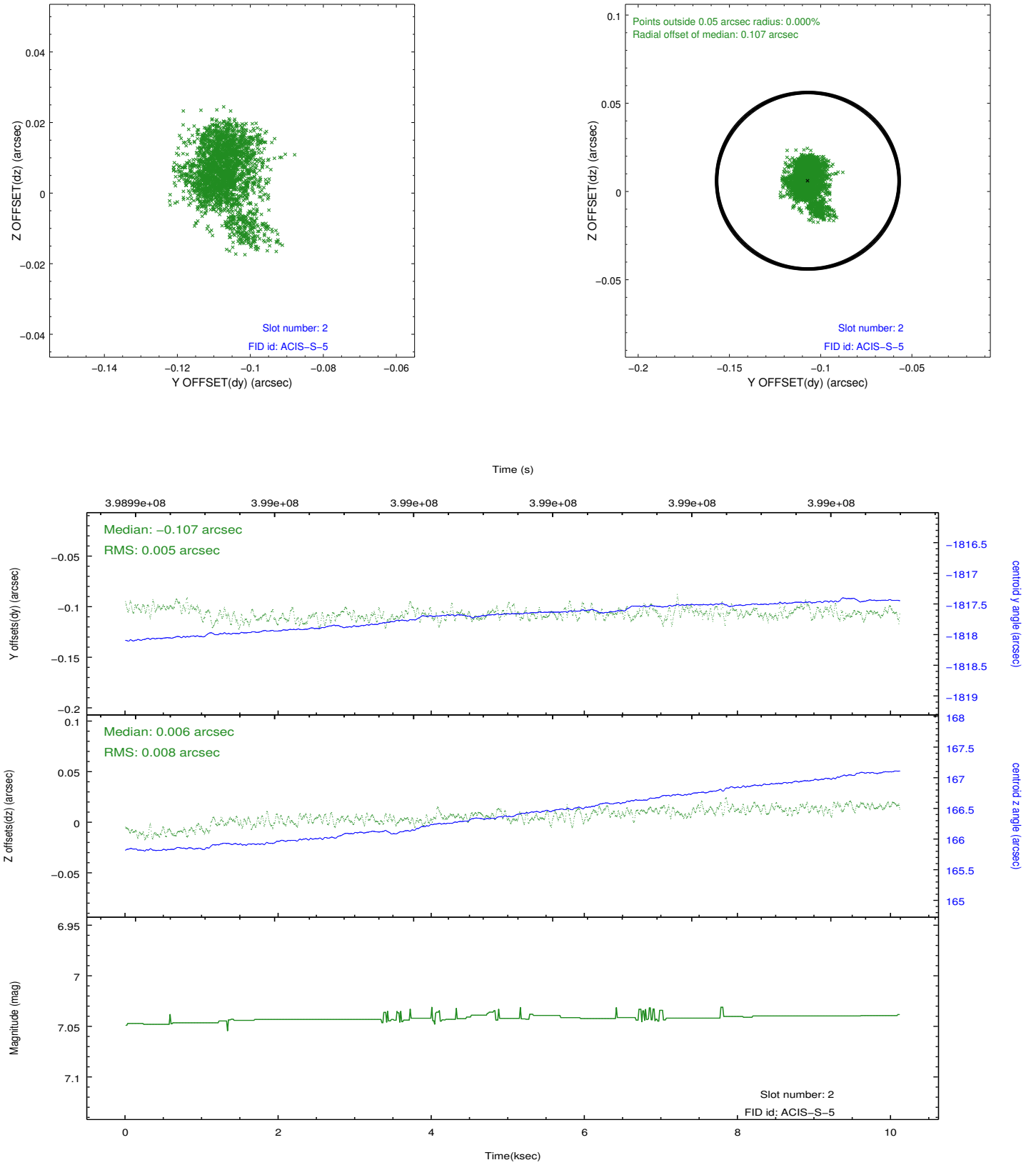
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.047999962628

A.2 Comments