

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11385 - L2 Version 2
Chandra X-Ray Center

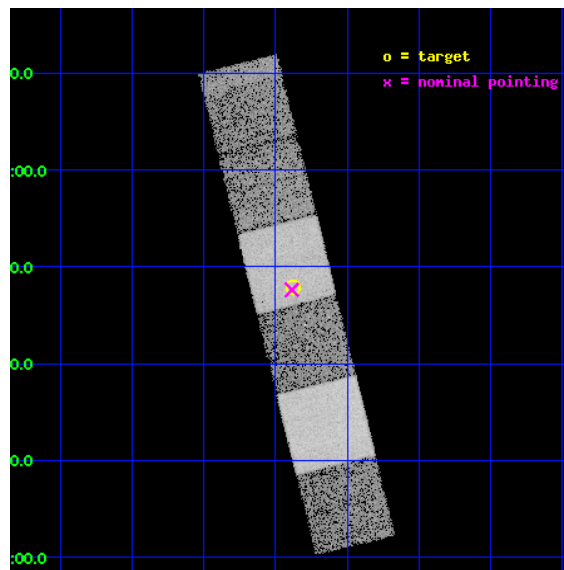
L2 Processing Date : Jul 1 2012

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1 Front

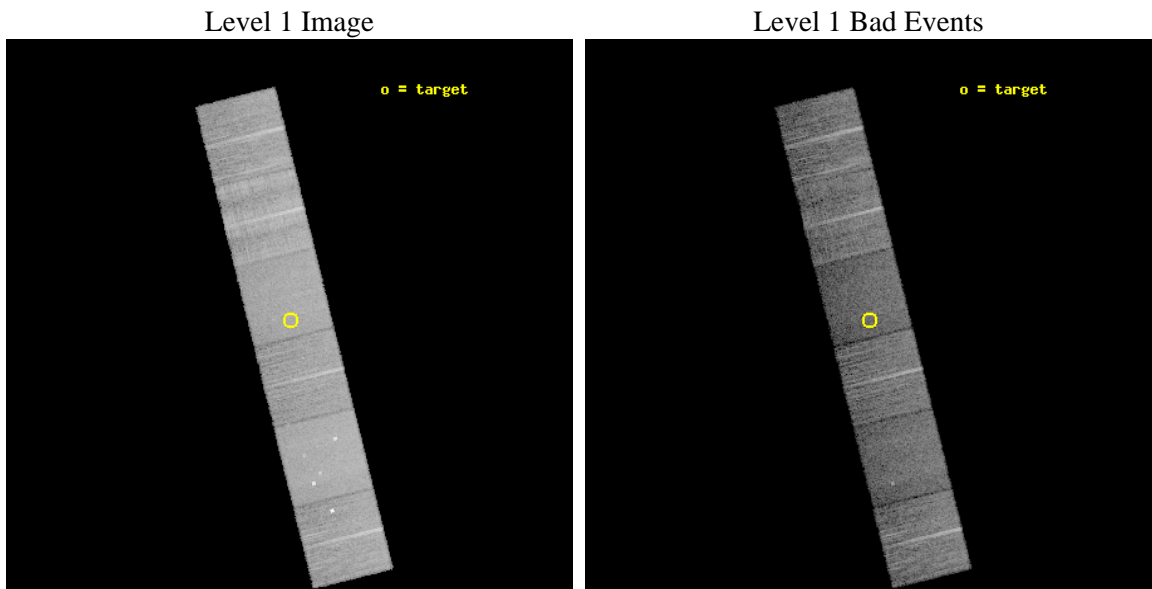
seq_num	600904	Sequence number
obs_id	11385	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC1206166	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.095	Observer's specified target RA [deg]
dec_targ	1.79842	Observer's specified target Dec [deg]
ra_nom	227.09644982221	Nominal RA [deg]
dec_nom	1.7937826940134	Nominal Dec [deg]
roll_nom	256.0444777343	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10553.553936422	Sum of GTIs [s]
livetime	10419.918481892	Livetime [s]
ontime4	10553.594976425	Sum of GTIs [s]
ontime5	10553.512896419	Sum of GTIs [s]
ontime6	10553.471856415	Sum of GTIs [s]
ontime7	10553.553936422	Sum of GTIs [s]
ontime8	10553.430816412	Sum of GTIs [s]
ontime9	10553.389776409	Sum of GTIs [s]
l2events	127978	Number of level 2 events



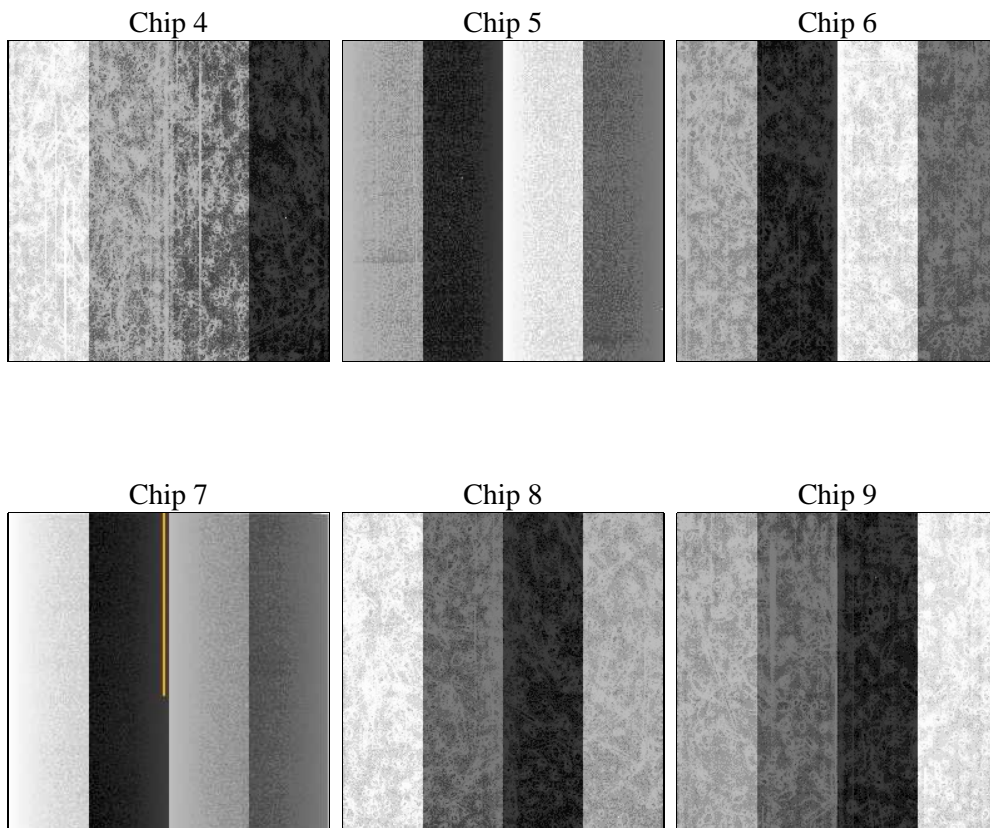
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10507.562000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10553.553936422	Sum of GTIs [s]
caldbver	4.5.0	 	ontime4	10553.594976425	Sum of GTIs [s]
date	2012-07-01T16:32:04	Date and time of file creation	ontime5	10553.512896419	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10553.471856415	Sum of GTIs [s]
			ontime7	10553.553936422	Sum of GTIs [s]
			ontime8	10553.430816412	Sum of GTIs [s]
			ontime9	10553.389776409	Sum of GTIs [s]
			l1events	587132	Number of level 1 events

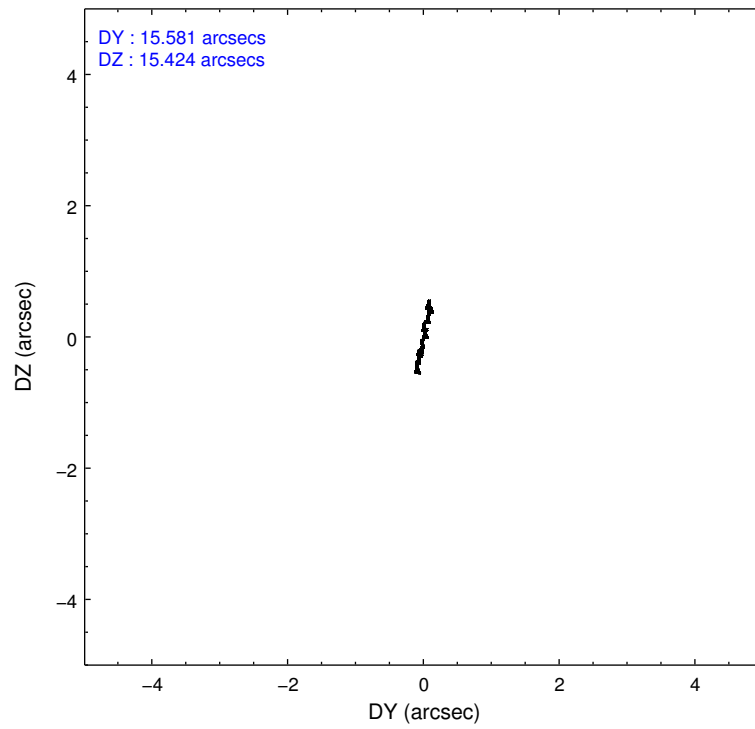
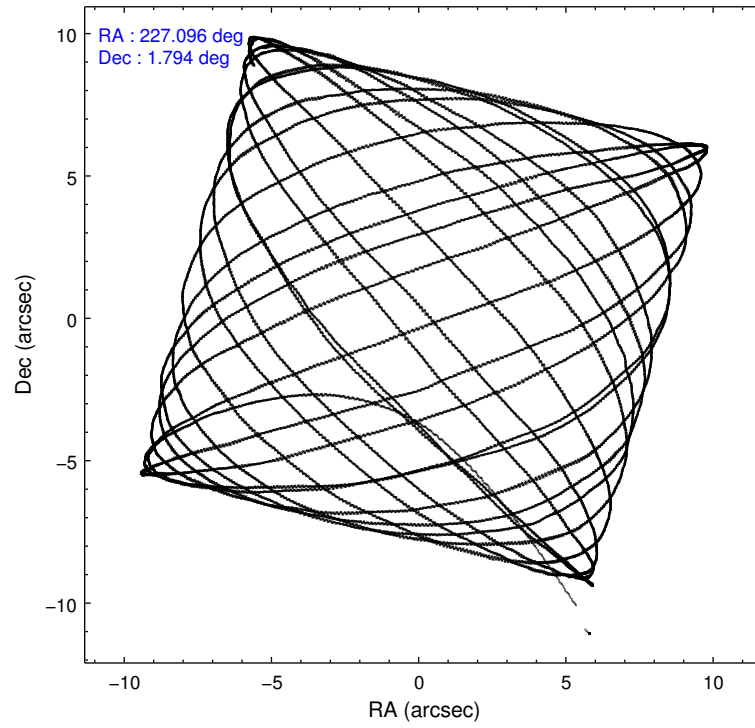
2.1.4 Events

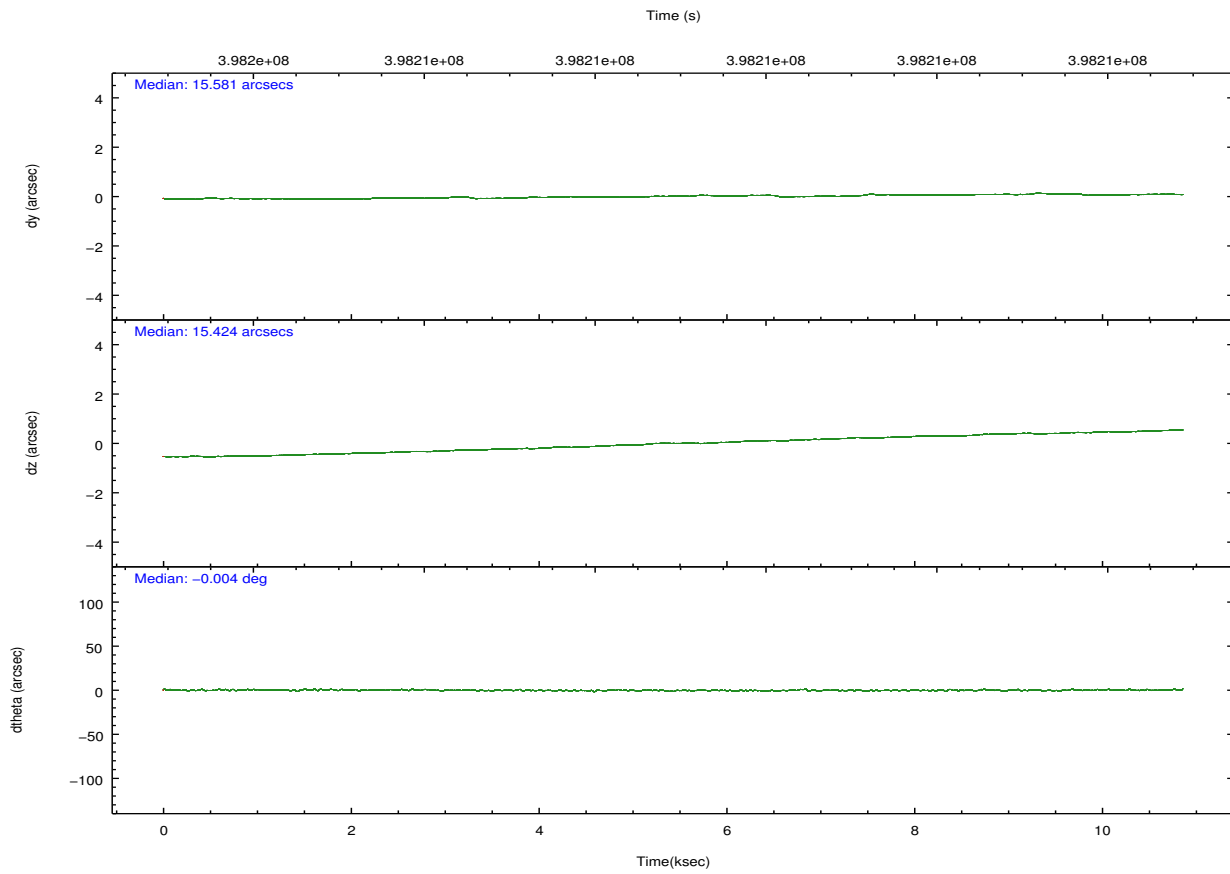
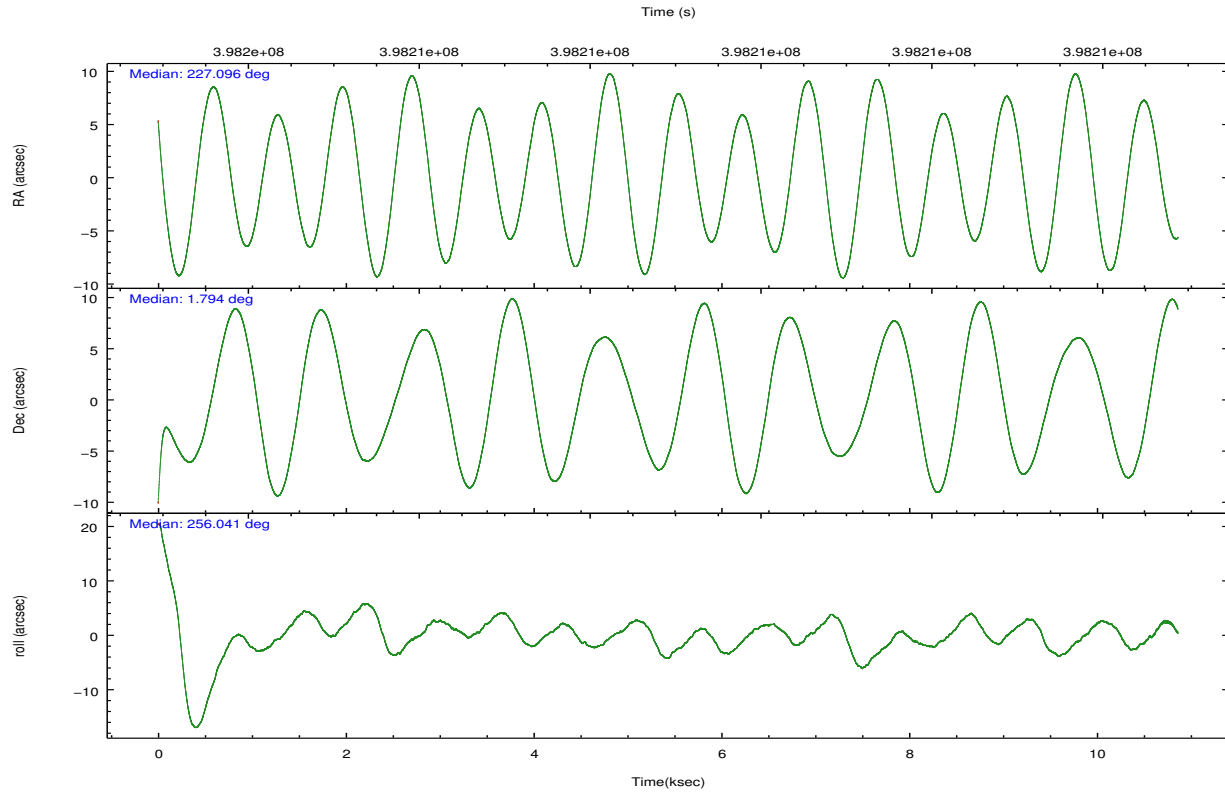
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	95184	119282	83830	96192	110797	81847	grade 0 events	6106	6722	3354	4040	9587	3511
rejected events	83000	60623	74797	53055	77258	72421		6%	5%	4%	4%	8%	4%
rejected %	87%	50%	89%	55%	69%	88%	grade 1 events	101	504	58	103	96	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	2460	17236	2045	8904	7303	2062
								2%	14%	2%	9%	6%	2%
							grade 3 events	1031	2018	883	3838	3981	989
								1%	1%	1%	3%	3%	1%
							grade 4 events	983	1986	869	3766	3721	934
								1%	1%	1%	3%	3%	1%
							grade 5 events	3595	8687	3447	9816	5175	3915
								3%	7%	4%	10%	4%	4%
							grade 6 events	1616	30741	1889	22622	8962	1933
								1%	25%	2%	23%	8%	2%
							grade 7 events	79292	51388	71285	43103	71972	68454
								83%	43%	85%	44%	64%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	227.088555	227.0964498222073	CCD I2 on	N	N
[deg] Pointing Dec	1.819975	1.793782694013397	CCD I3 on	N	N
[deg] Pointing Roll	255.888095	256.0444777342984	CCD S0 on	O1	Y
[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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	398203838.184000	398202748.10409	CCD S5 on	O2	Y
Observation start date	2010-08-14T20:09:32	2010-08-14T19:52:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	398214345.184000	398214570.96719	On-chip summing requested	N	N
Observation end date	2010-08-14T23:04:39	2010-08-14T23:09:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



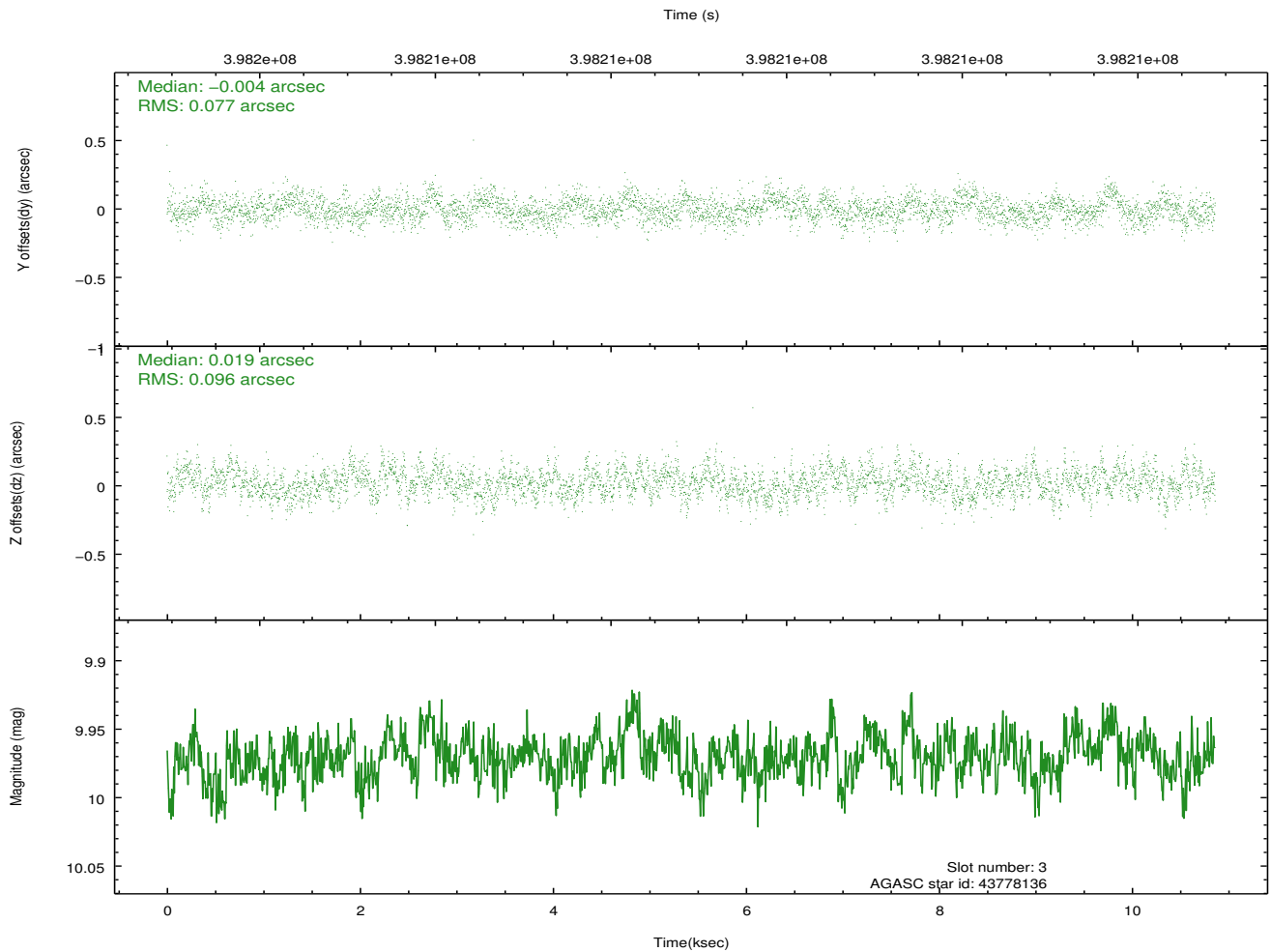
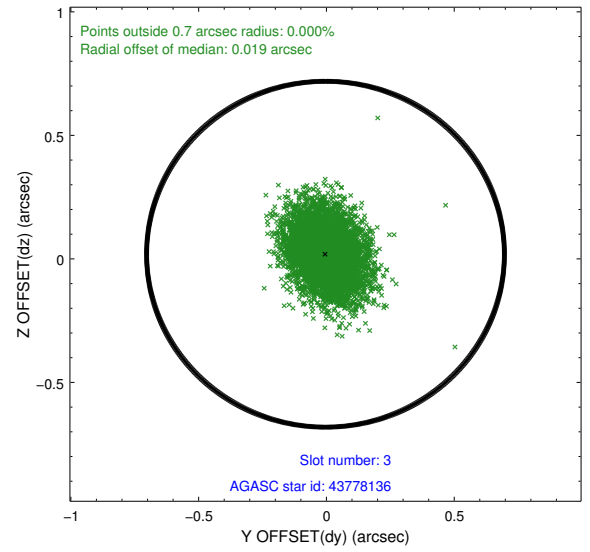
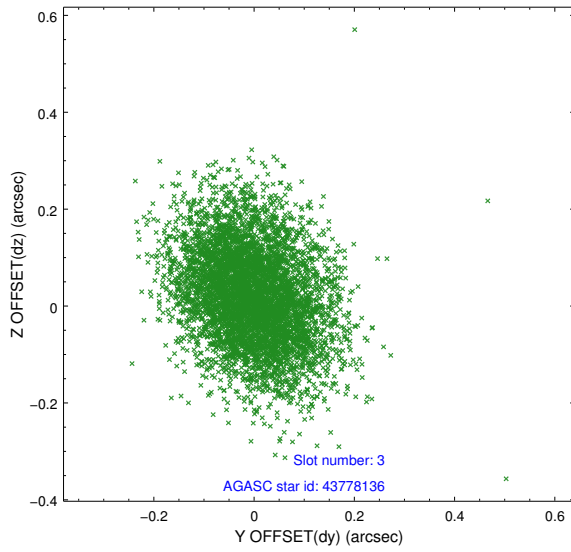


Slot Statistics

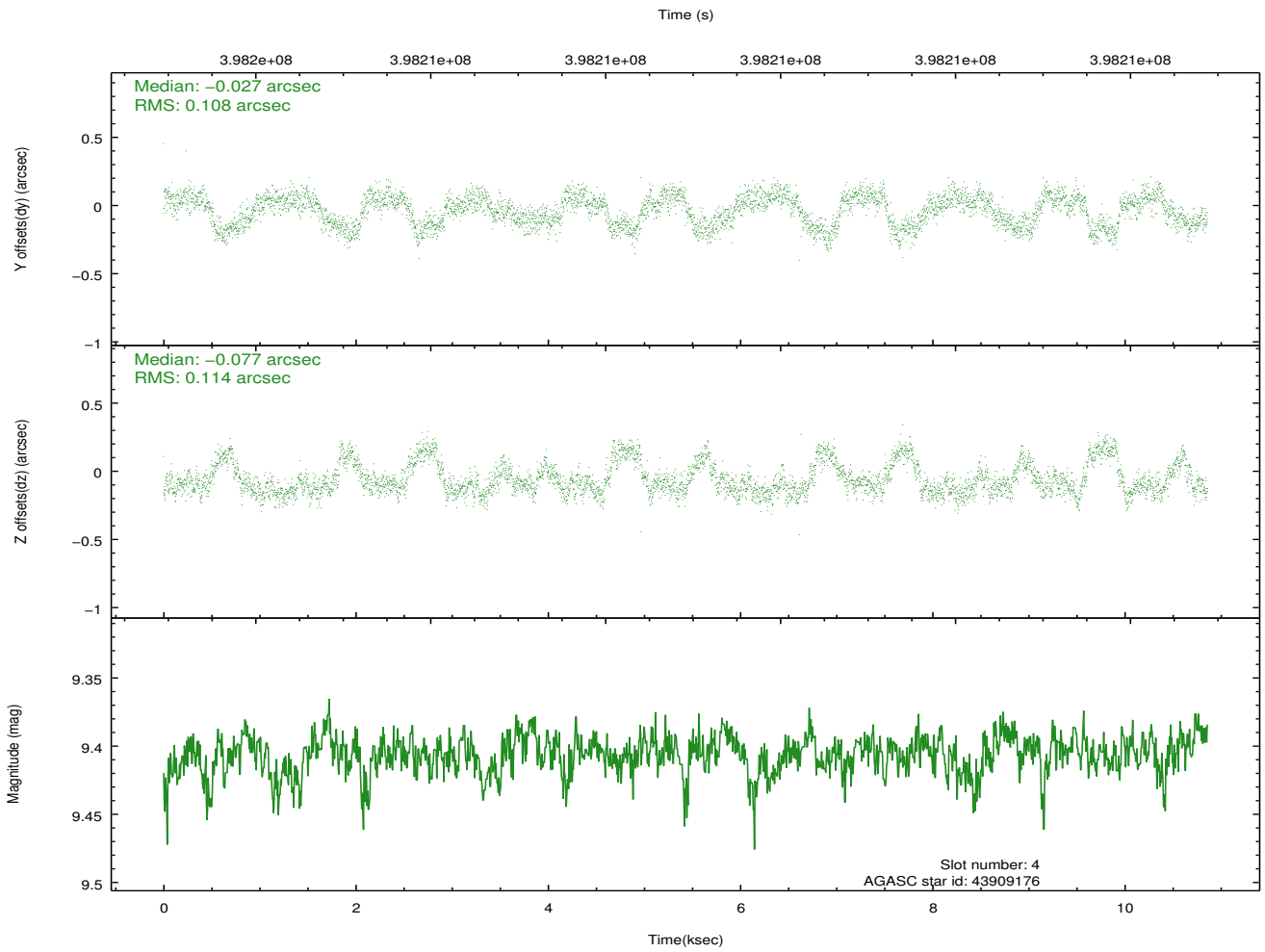
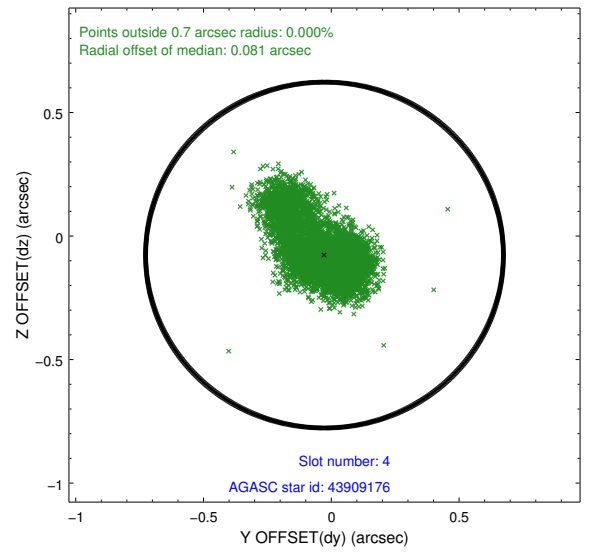
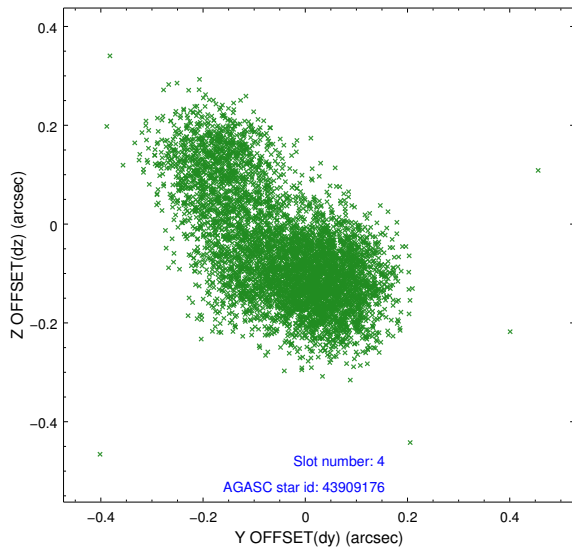
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.99	2650	-0.039	-0.031	0.007	0.012	0.000000	0.000000	-768.60	-1736.77
1	FID	ACIS-S-5	7.11	2650	-0.073	-0.031	0.008	0.013	0.000000	0.000000	-1821.97	164.71
2	FID	ACIS-S-6	7.22	2649	0.086	0.070	0.006	0.010	0.000000	0.000000	392.61	809.25
3	GUIDE	43778136	9.97	5290	-0.004	0.019	0.129	0.213	226.618648	1.723890	748.13	-1555.28
4	GUIDE	43909176	9.41	5292	-0.027	-0.077	0.158	0.293	227.095539	1.632644	648.31	187.97
5	GUIDE	43909432	8.44	5296	-0.109	0.039	0.123	0.180	227.032488	1.308525	1835.41	253.73
6	GUIDE	44302832	9.78	5288	-0.057	0.002	0.138	0.223	226.554961	2.312249	-1249.73	-2293.59
7	GUIDE	44435584	10.41	5276	0.202	0.071	0.295	0.591	227.059330	1.975435	-516.49	-238.75

2.4 Star Slots

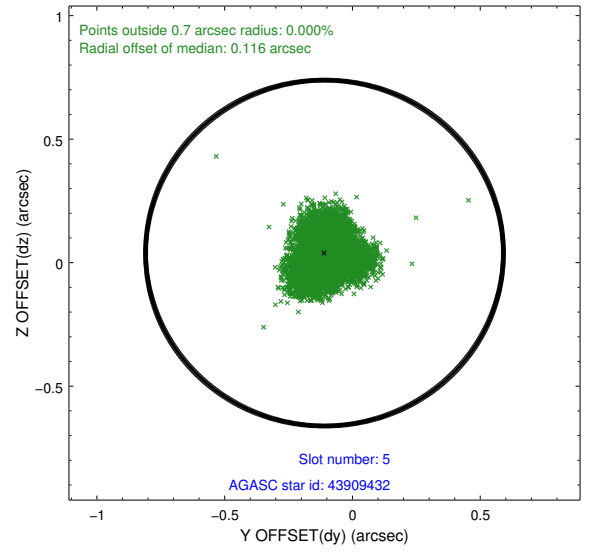
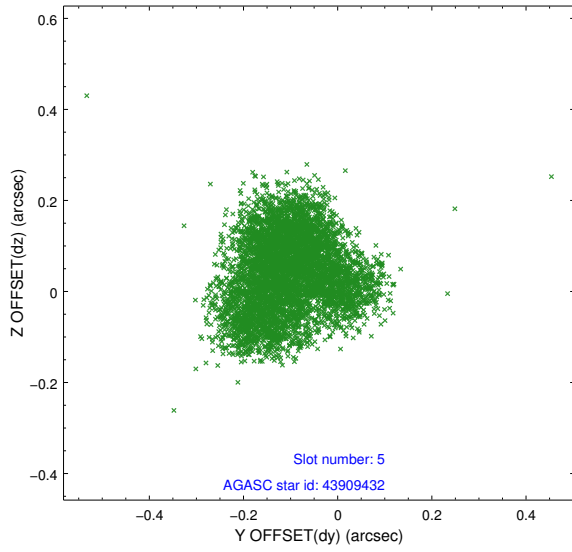
2.4.1 Slot 3



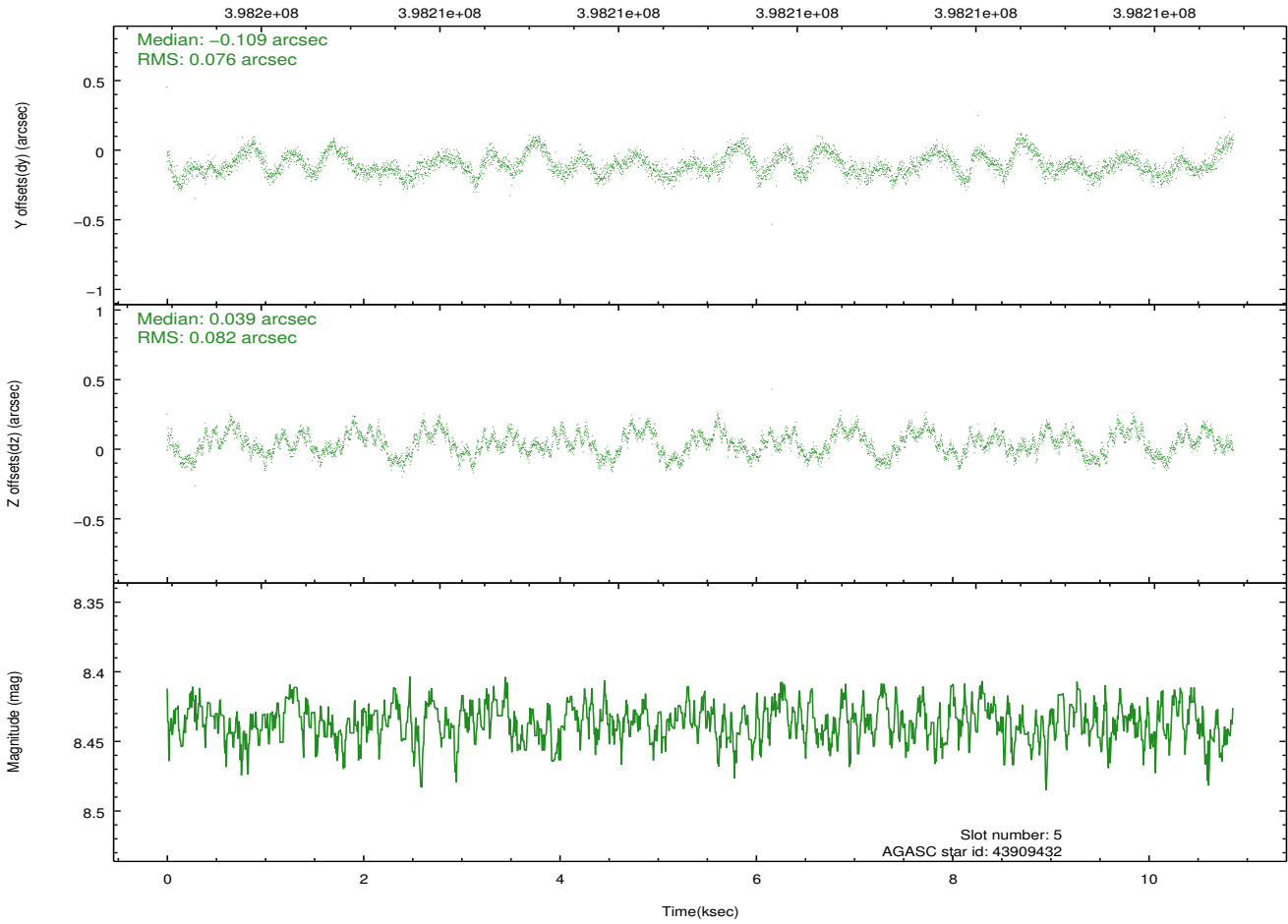
2.4.2 Slot 4



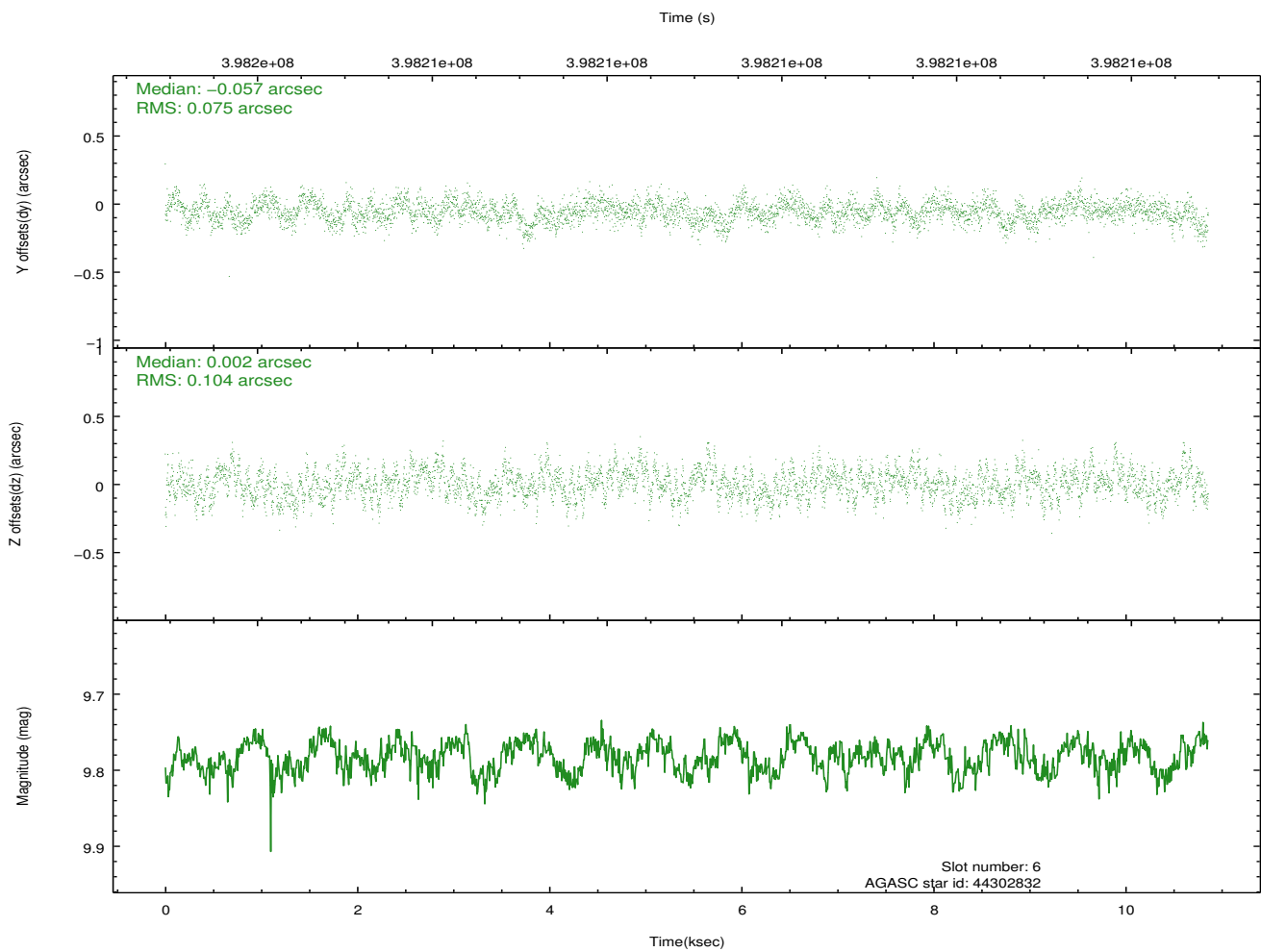
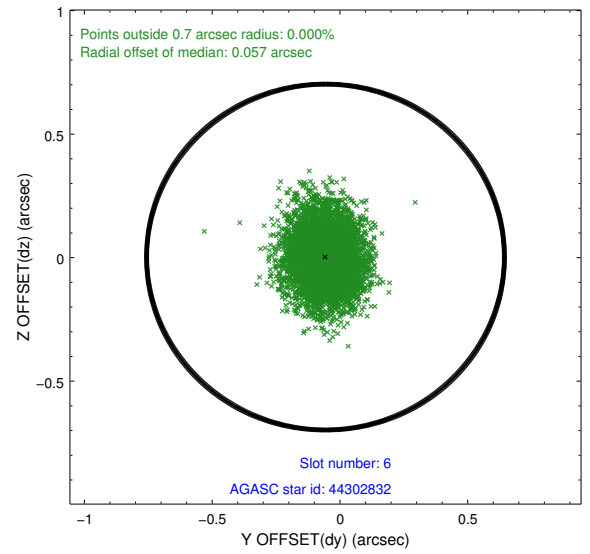
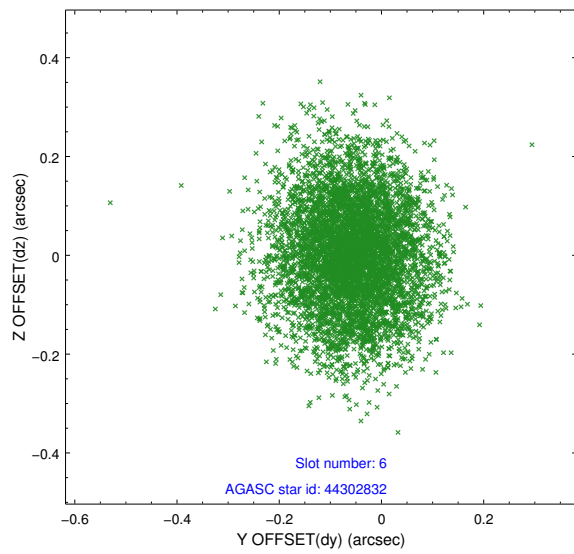
2.4.3 Slot 5



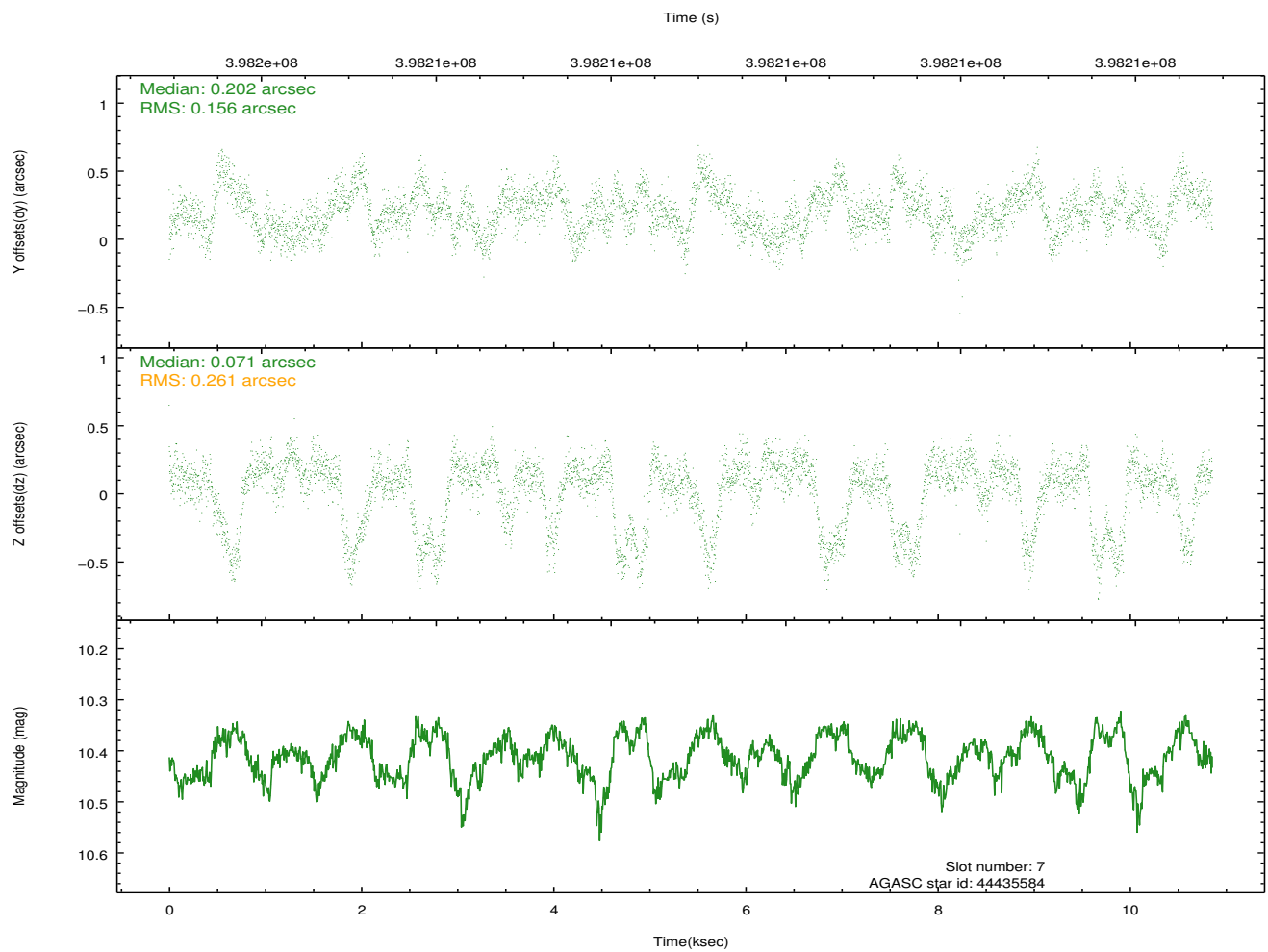
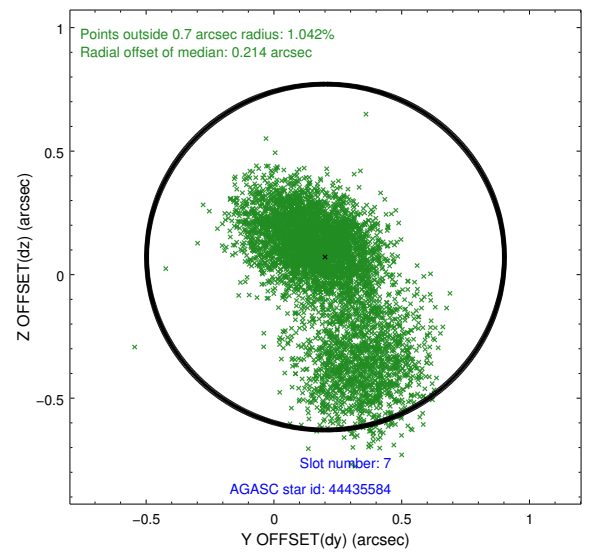
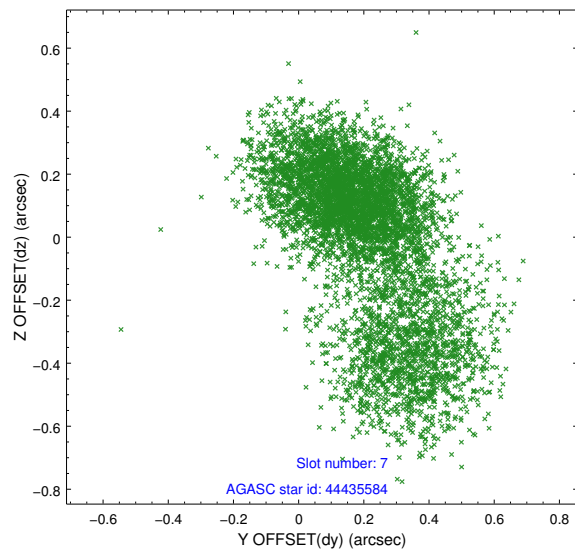
Time (s)



2.4.4 Slot 6

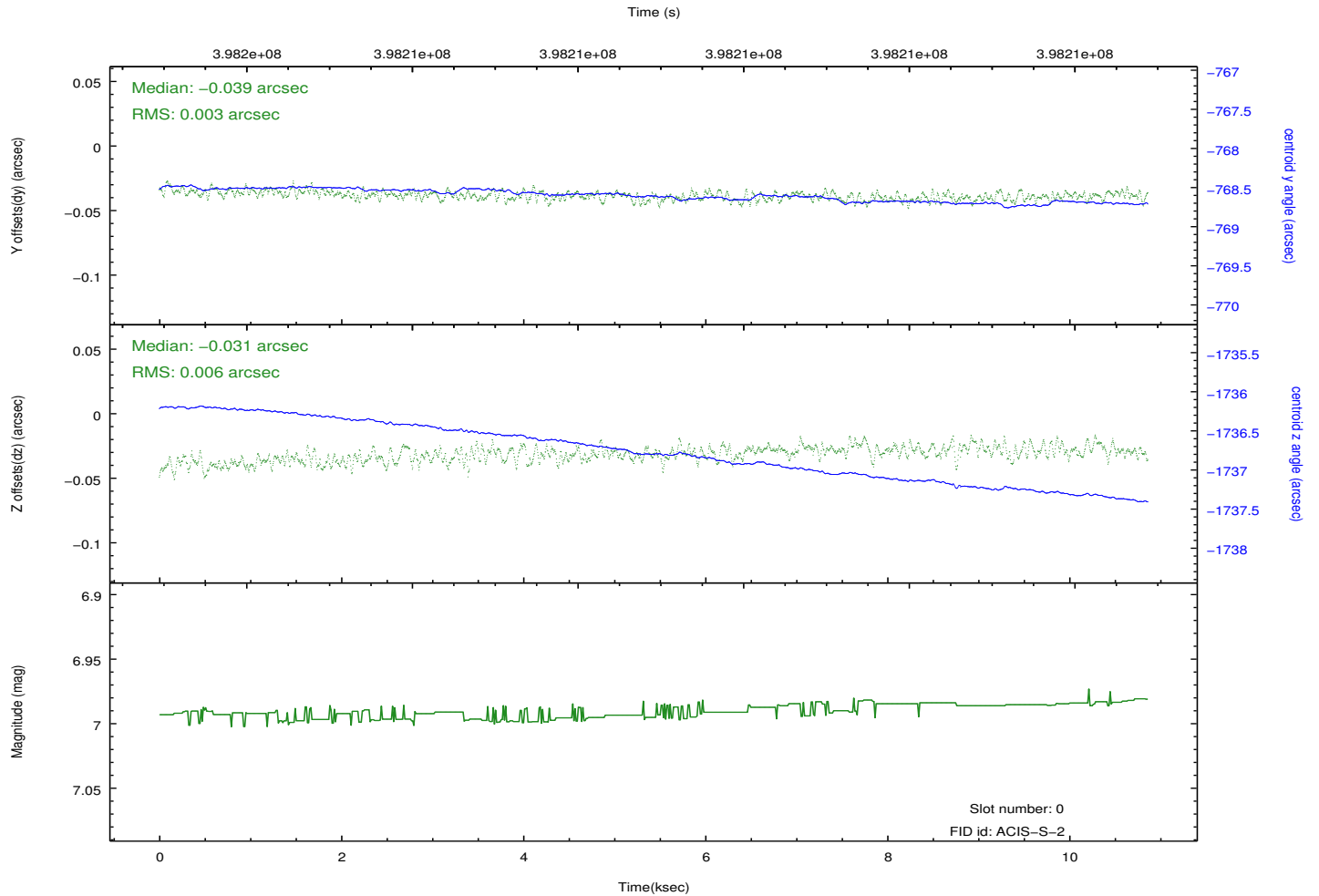
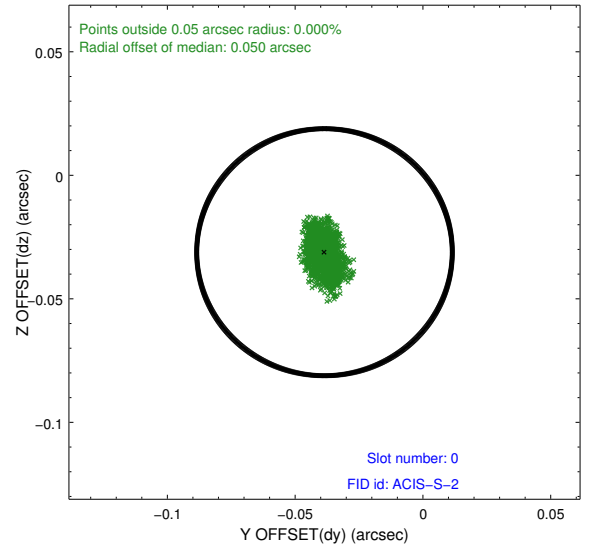
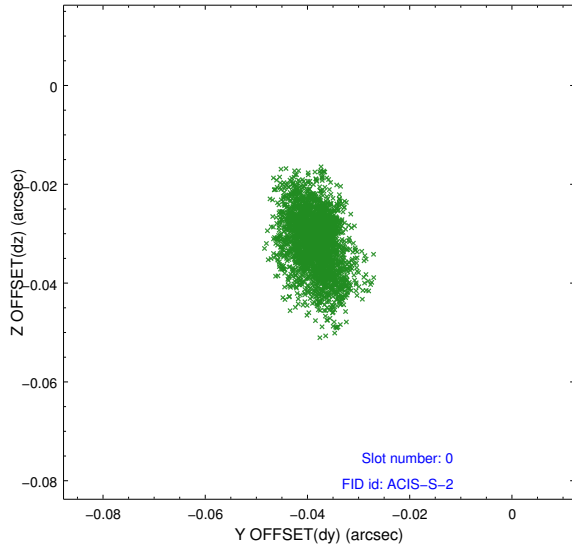


2.4.5 Slot 7

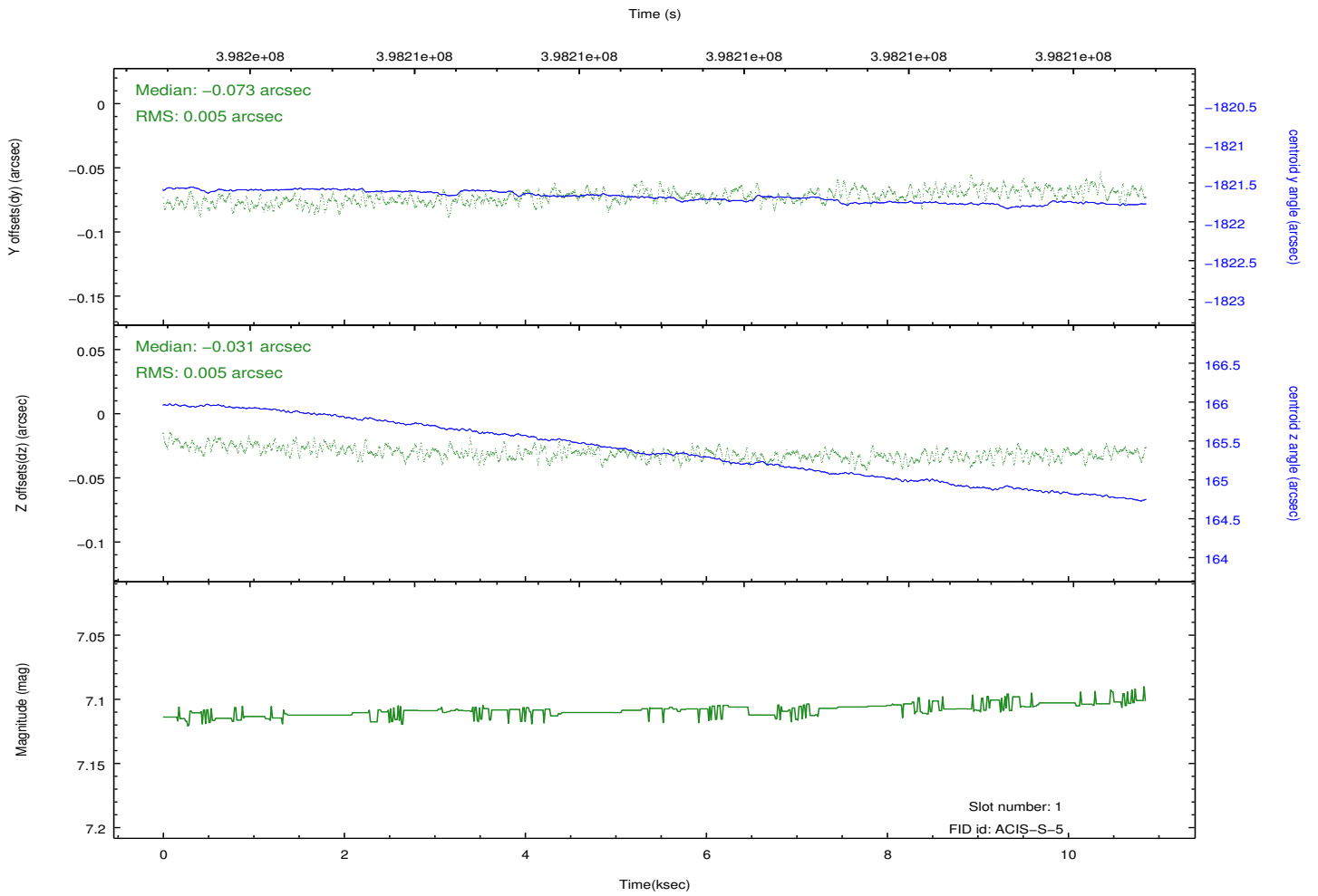
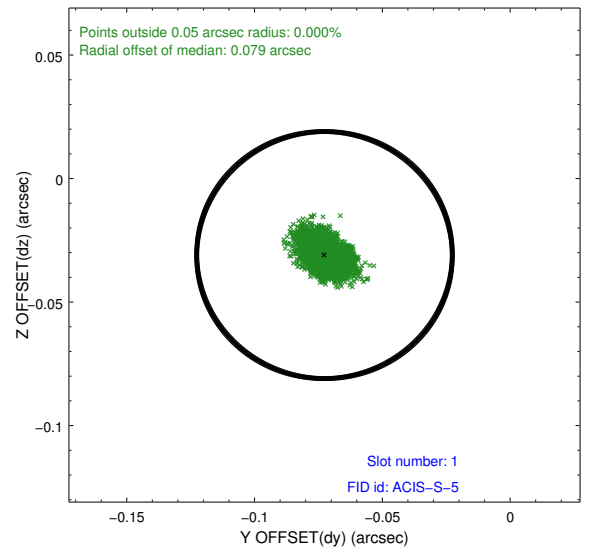
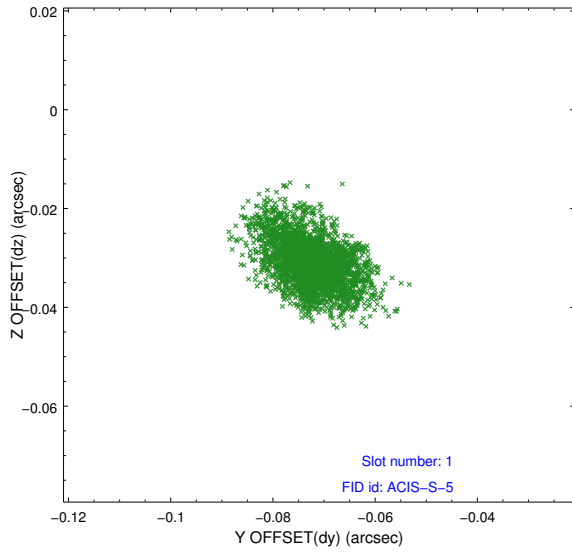


2.5 FID Slots

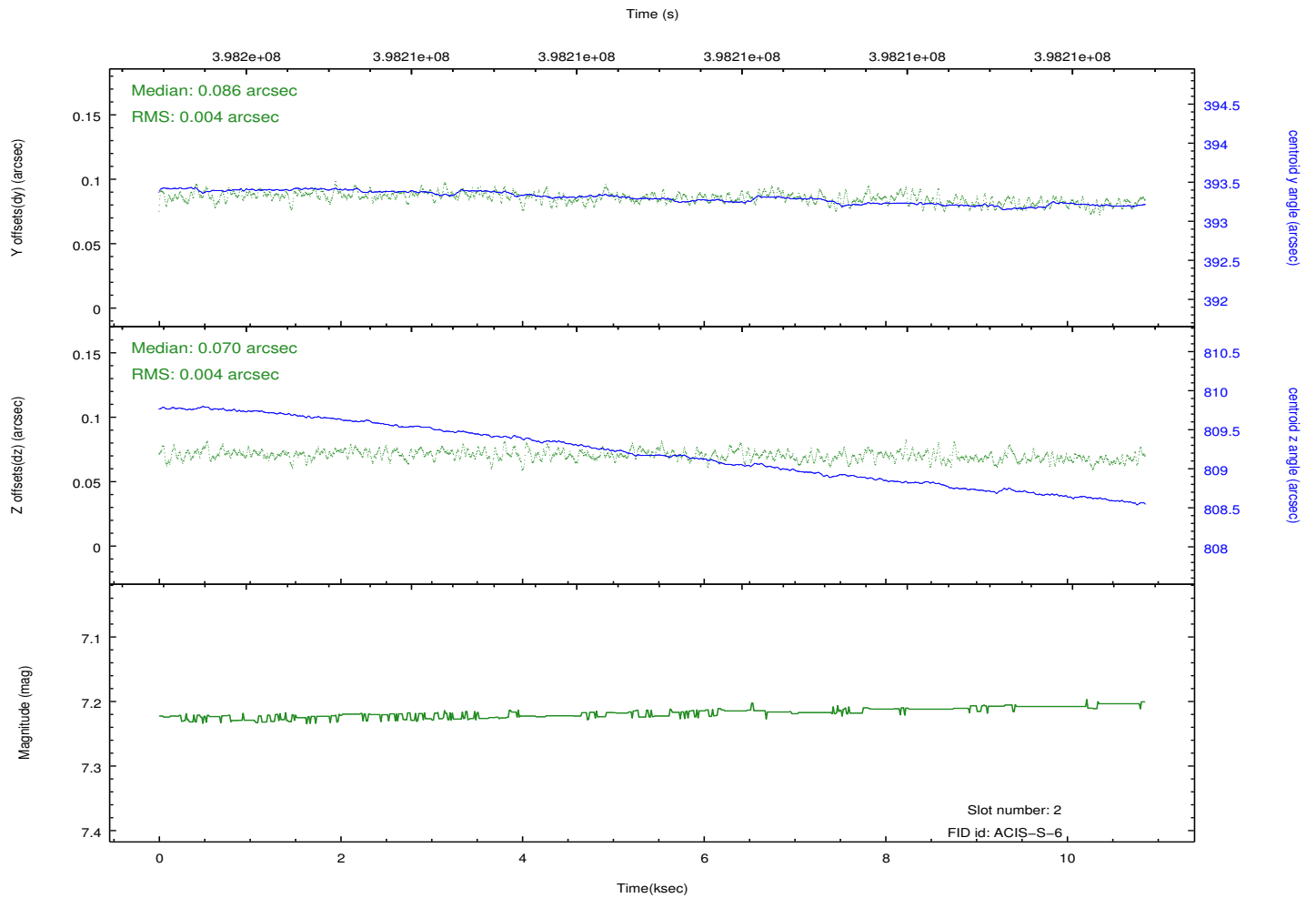
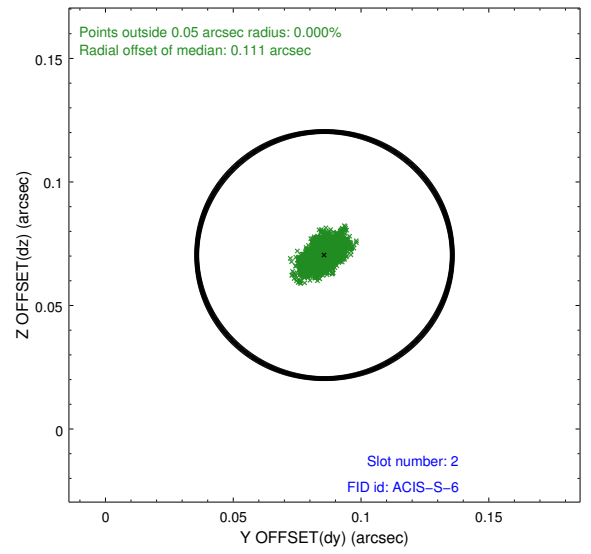
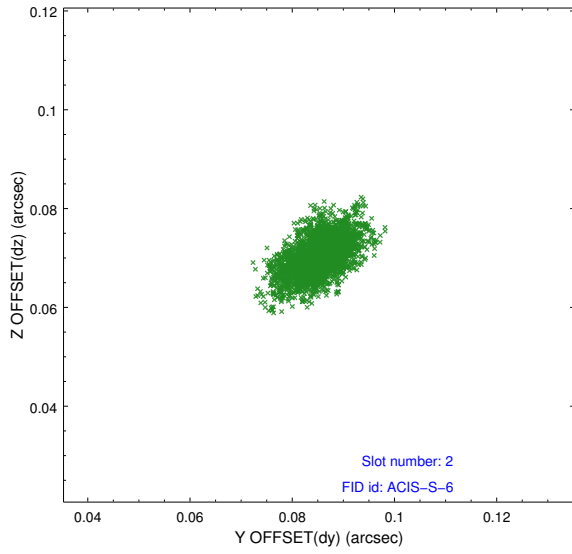
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.553553933561

A.2 Comments