

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6980 - L2 Version 2
Chandra X-Ray Center

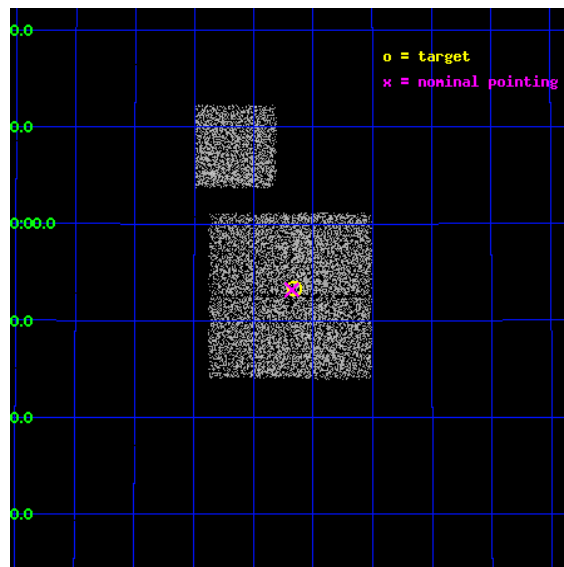
L2 Processing Date : Apr 12 2012

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

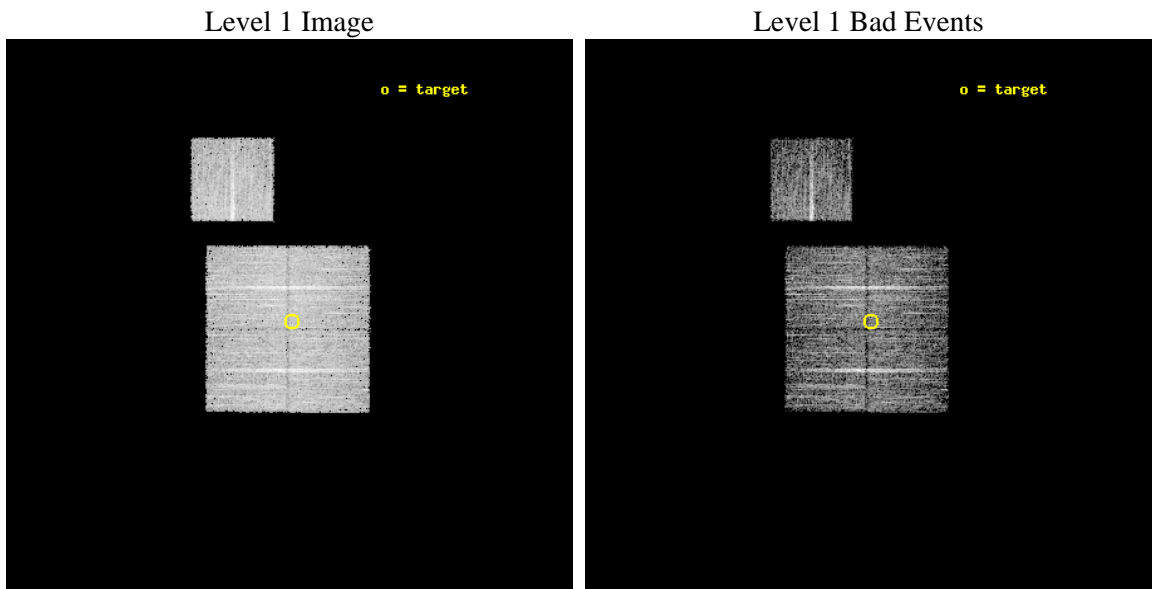
seq_num	900396	Sequence number
obs_id	6980	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr. Stephen Murray	Principal investigator
object	Bootes2 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.664325	Observer's specified target RA [deg]
dec_targ	33.888533	Observer's specified target Dec [deg]
ra_nom	218.66948166719	Nominal RA [deg]
dec_nom	33.88665232362	Nominal Dec [deg]
roll_nom	0.20585772673182	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5152.2000396252	Sum of GTIs [s]
livetime	5084.882753113	Livetime [s]
ontime0	5152.2000396252	Sum of GTIs [s]
ontime1	5152.2000396252	Sum of GTIs [s]
ontime2	5149.0590593219	Sum of GTIs [s]
ontime3	5152.2000396252	Sum of GTIs [s]
ontime6	5152.2000396252	Sum of GTIs [s]
l2events	15081	Number of level 2 events



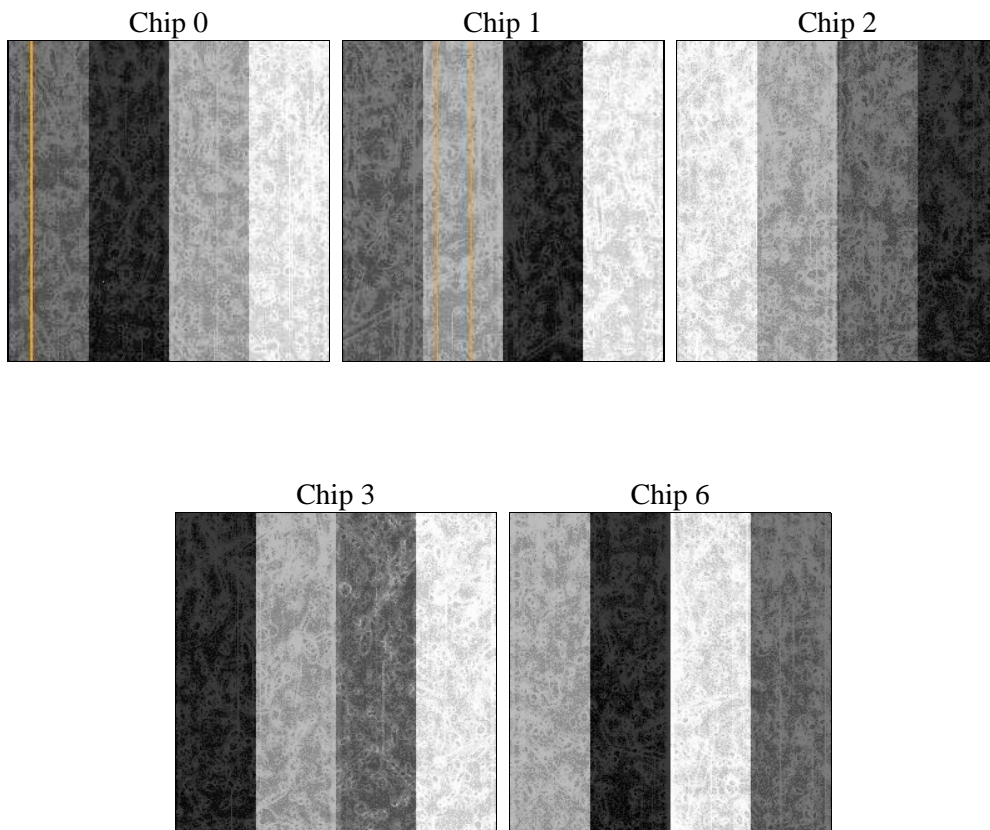
2 OBI

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	8.4.3.1	Processing system revision	ontime	5152.2000396252	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5152.2000396252	Sum of GTIs [s]
date	2012-04-12T22:53:17	Date and time of file creation	ontime1	5152.2000396252	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5149.0590593219	Sum of GTIs [s]
			ontime3	5152.2000396252	Sum of GTIs [s]
			ontime6	5152.2000396252	Sum of GTIs [s]
			l1events	198709	Number of level 1 events

2.1.4 Events

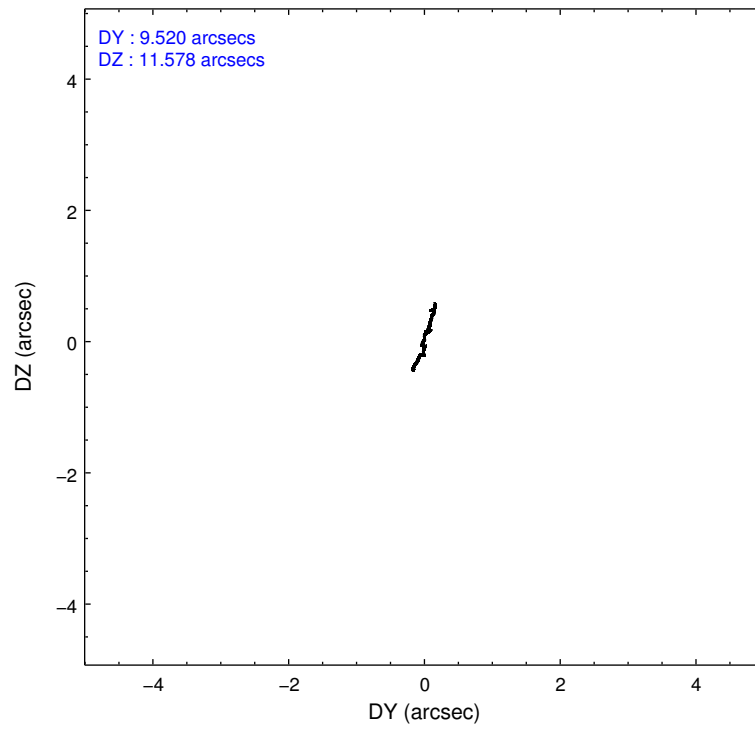
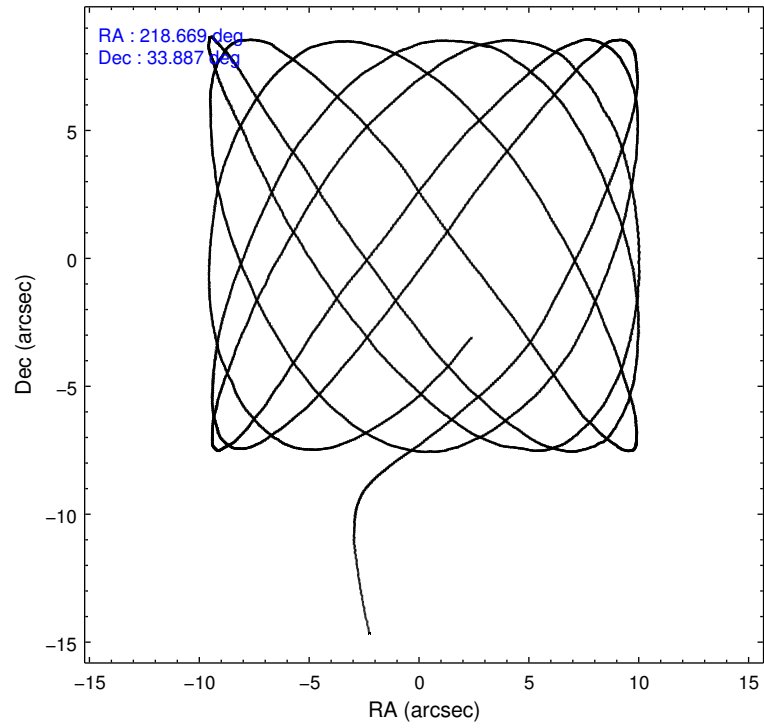
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	38439	37872	43816	39822	38760
rejected events	34804	33946	40333	36229	35013
rejected %	90%	89%	92%	90%	90%

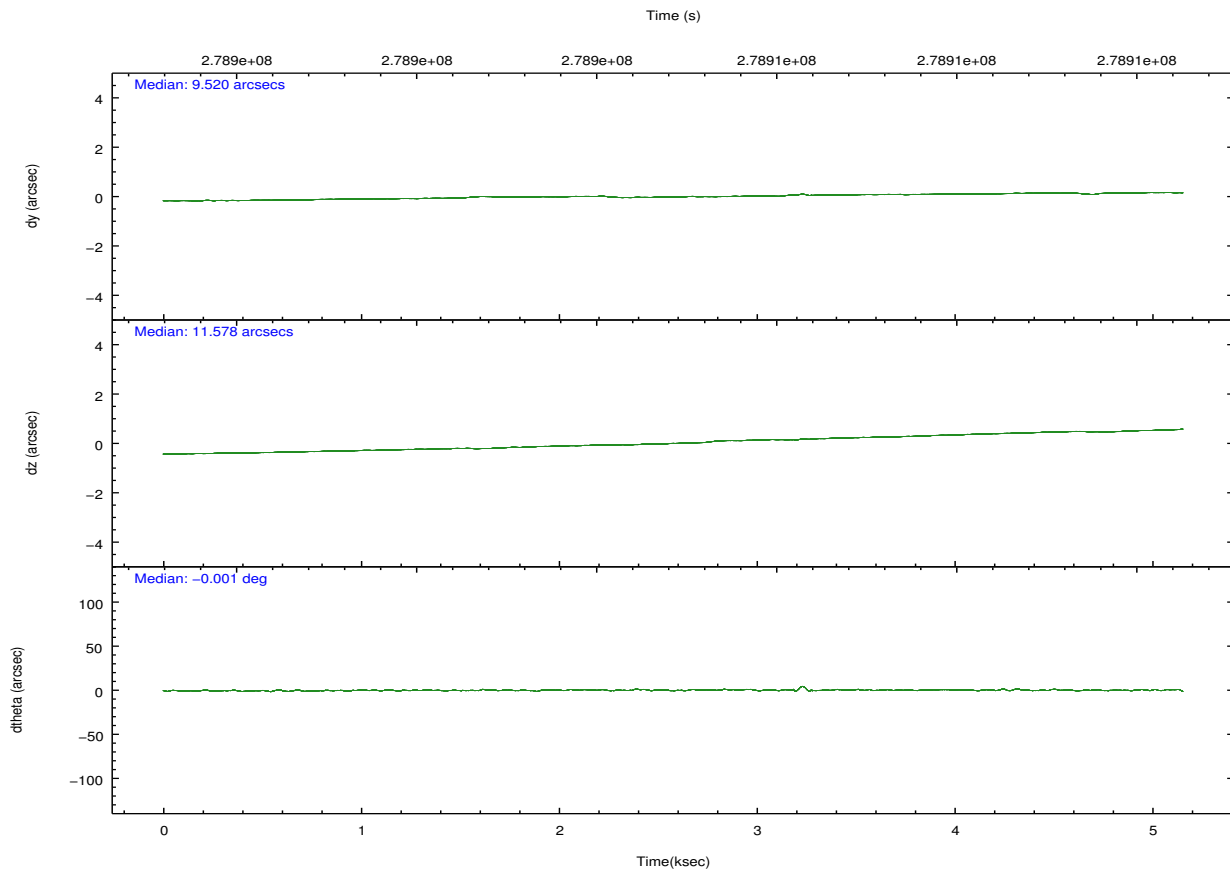
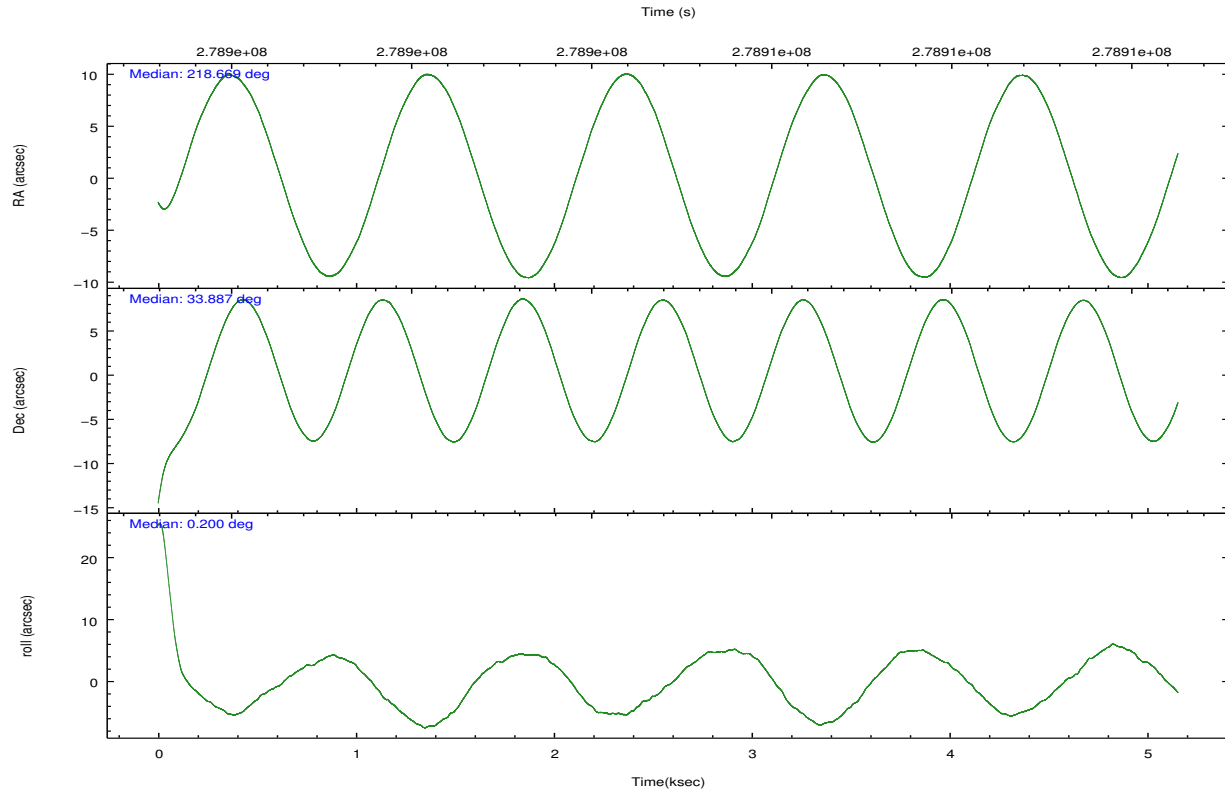
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1396	1427	1462	1357	1506
	3%	3%	3%	3%	3%
grade 1 events	20	19	16	15	23
	0%	0%	0%	0%	0%
grade 2 events	888	935	830	820	825
	2%	2%	1%	2%	2%
grade 3 events	423	504	405	426	426
	1%	1%	0%	1%	1%
grade 4 events	434	466	391	441	430
	1%	1%	0%	1%	1%
grade 5 events	1117	1294	1052	1329	1272
	2%	3%	2%	3%	3%
grade 6 events	706	836	624	747	809
	1%	2%	1%	1%	2%
grade 7 events	33455	32391	39036	34687	33469
	87%	85%	89%	87%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	218.641045	218.6694816671916	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.872861	33.88665232362015	Alternating exposures requested	N	N
[deg] Pointing Roll	0.012974	0.2058577267318168	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	278903000.184000	278901862.40173			
Observation start date	2006-11-03T01:02:15	2006-11-03T00:44:22			
[s] Observation end time (MET)	278908000.184000	278908133.86453			
Observation end date	2006-11-03T02:25:35	2006-11-03T02:28:53			
Read mode	TIMED	TIMED			

2.3 Aspect



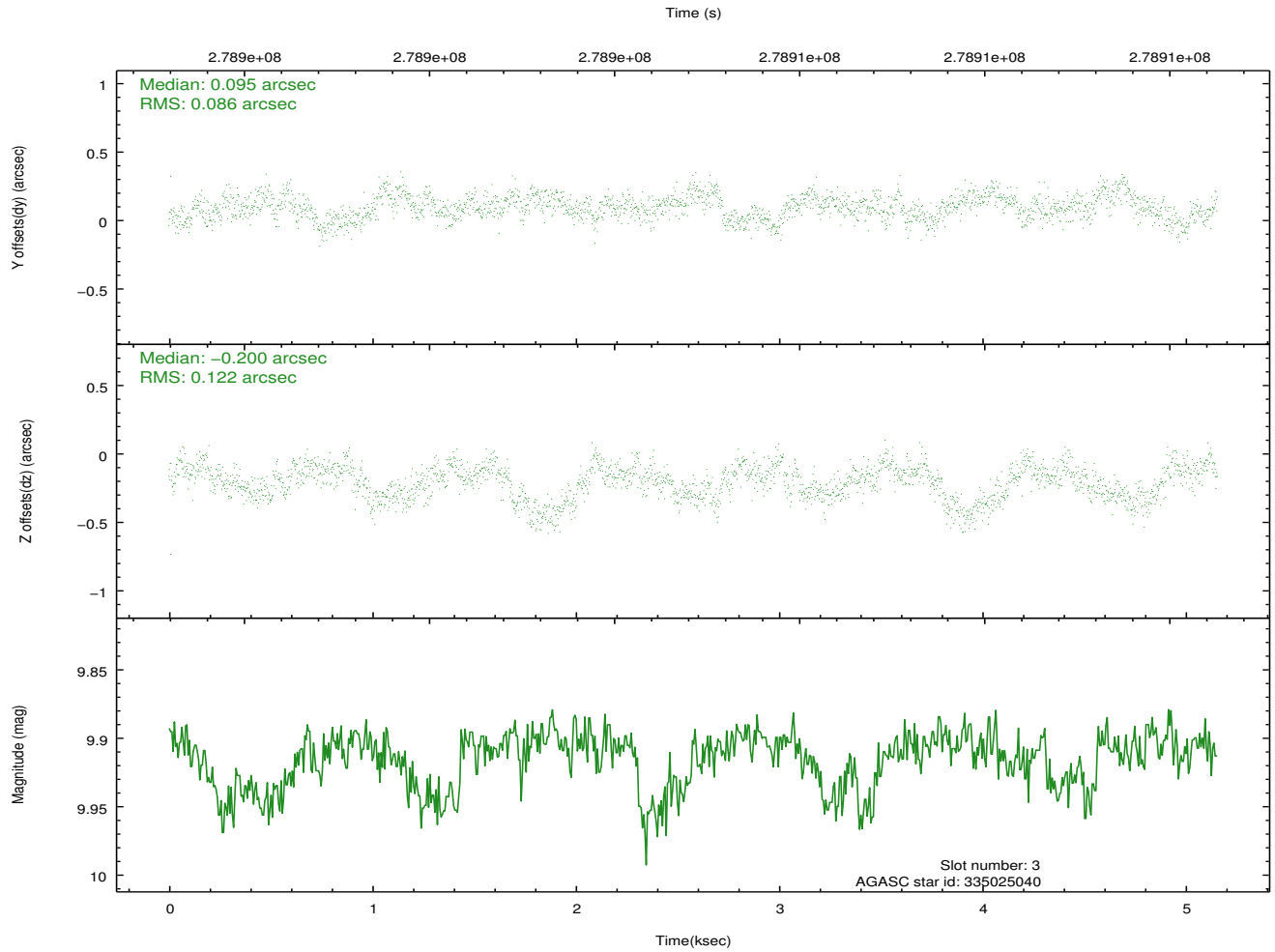
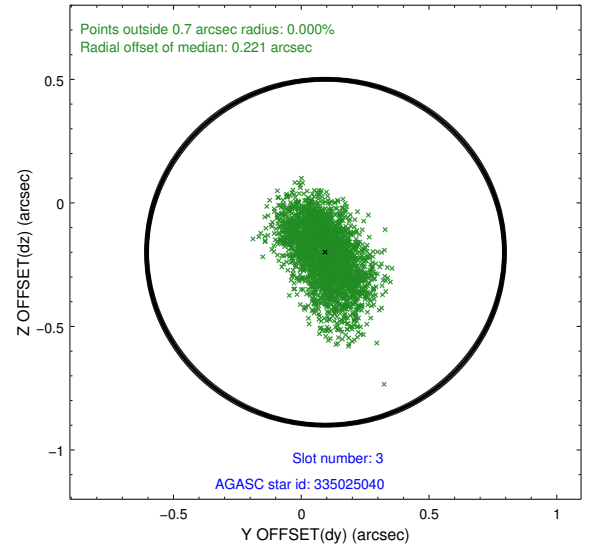
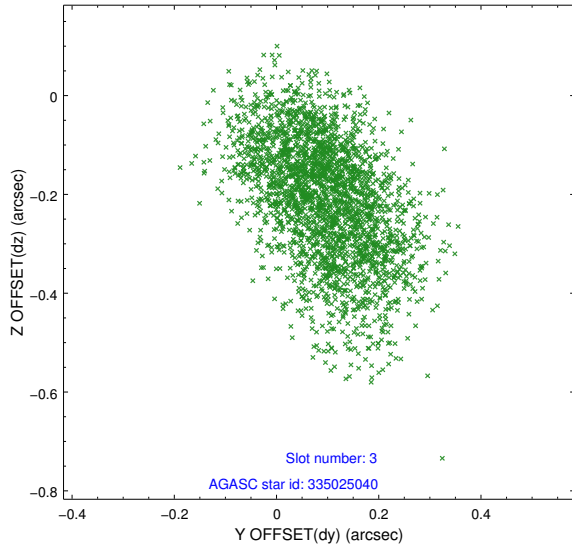


Slot Statistics

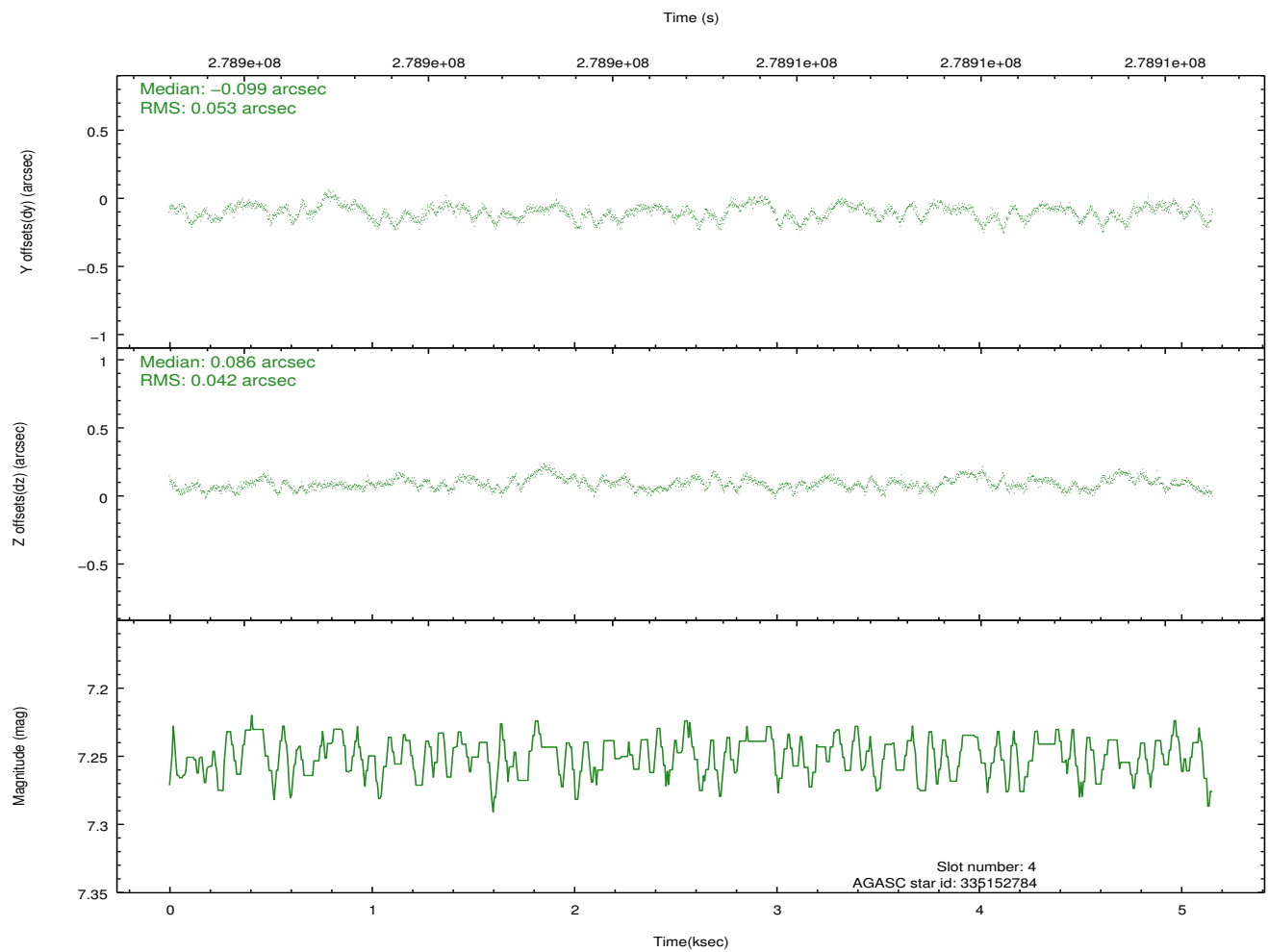
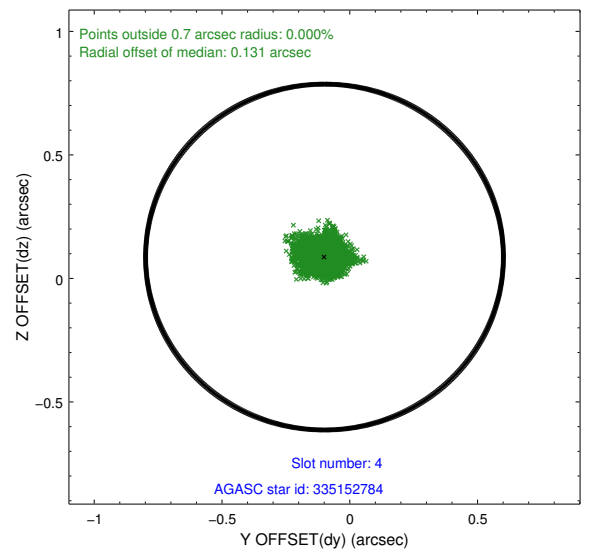
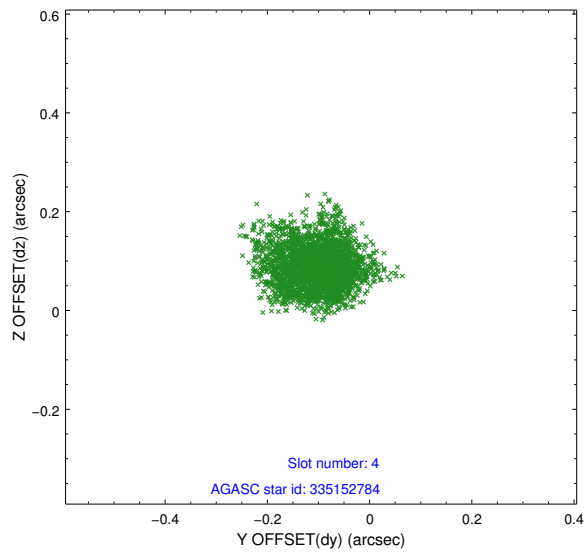
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1258	0.060	-0.042	0.009	0.014	0.000000	0.000000	930.13	-835.18
1	FID	ACIS-I-5	7.23	1258	-0.208	0.061	0.008	0.013	0.000000	0.000000	-1817.56	1061.88
2	FID	ACIS-I-6	7.25	1258	0.056	0.052	0.012	0.021	0.000000	0.000000	394.45	1707.66
3	GUIDE	335025040	9.91	2512	0.095	-0.200	0.158	0.262	218.601670	34.305240	-116.39	1556.76
4	GUIDE	335152784	7.25	2515	-0.099	0.086	0.072	0.115	219.280617	33.678221	1916.37	-694.12
5	GUIDE	335154960	9.55	2514	-0.049	0.053	0.125	0.192	219.209961	33.303073	1713.83	-2047.19
6	GUIDE	335157088	9.10	2514	0.048	0.028	0.088	0.141	219.274029	33.726909	1896.41	-520.37
7	GUIDE	335027640	9.10	2513	0.004	0.038	0.100	0.165	218.092211	33.193770	-1652.60	-2439.99

2.4 Star Slots

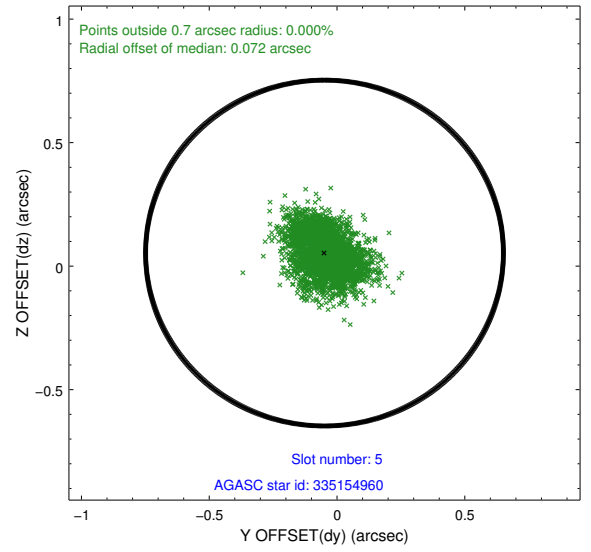
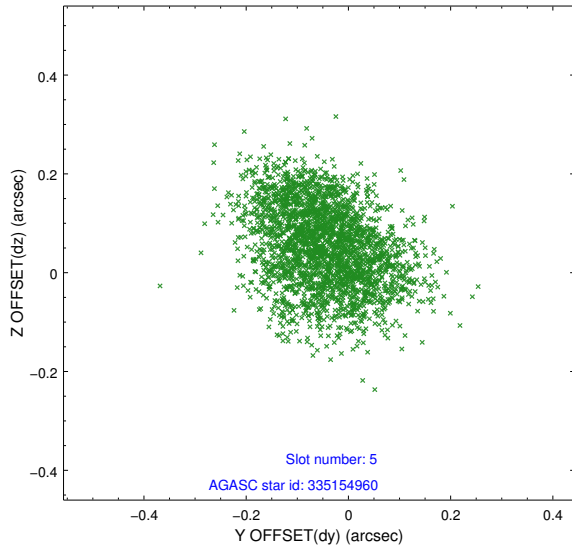
2.4.1 Slot 3



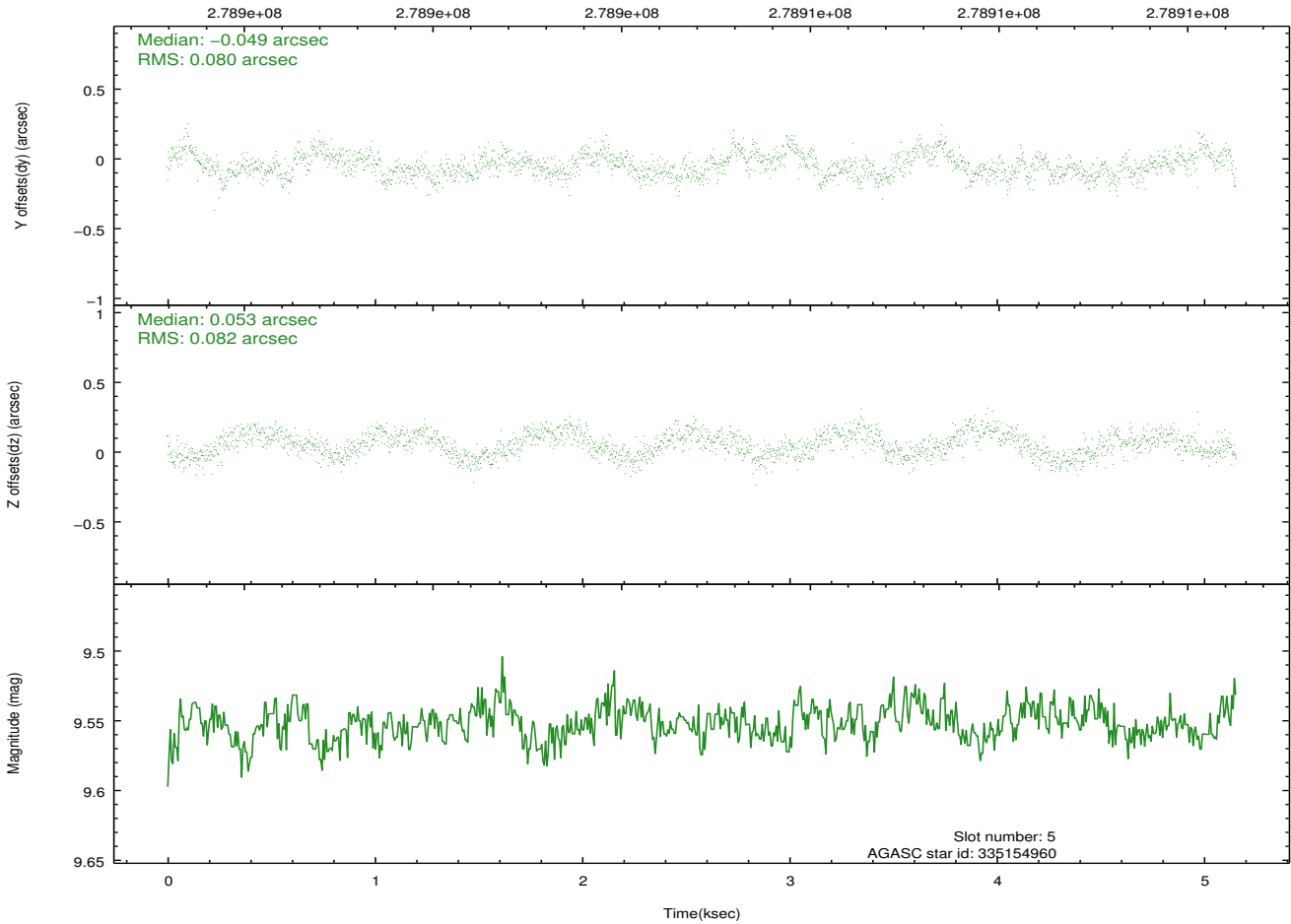
2.4.2 Slot 4



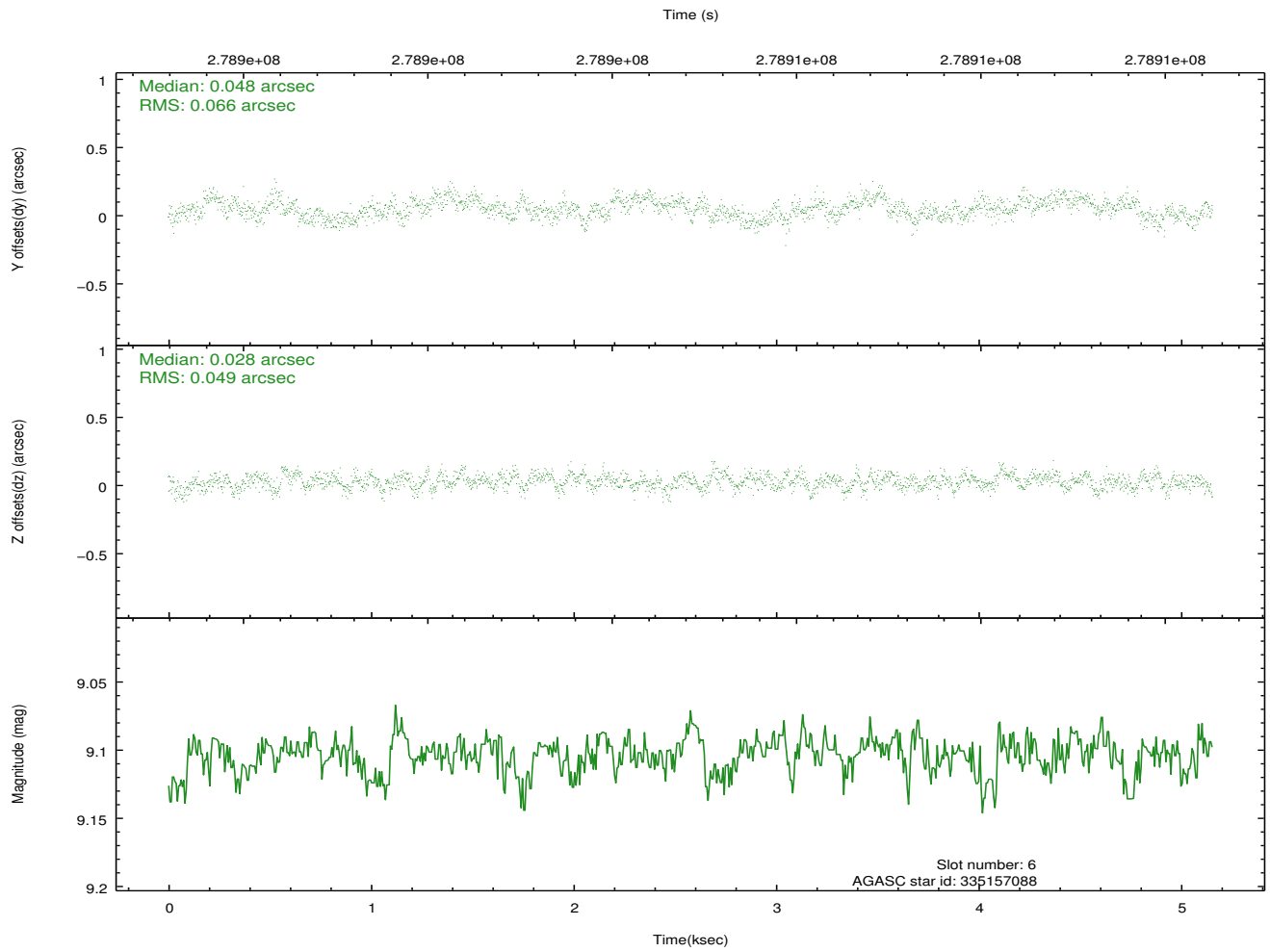
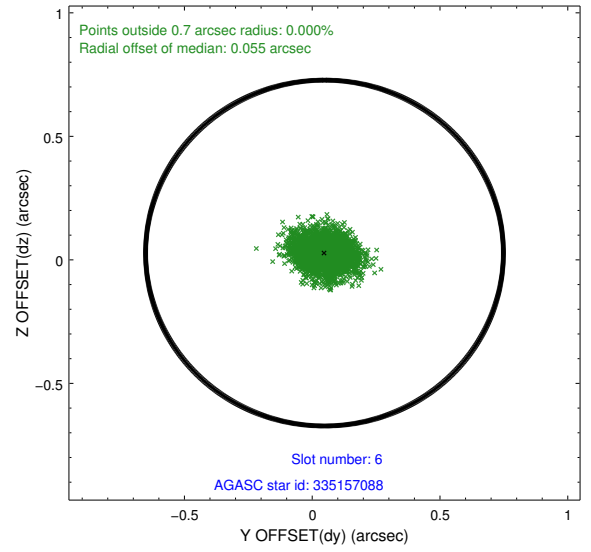
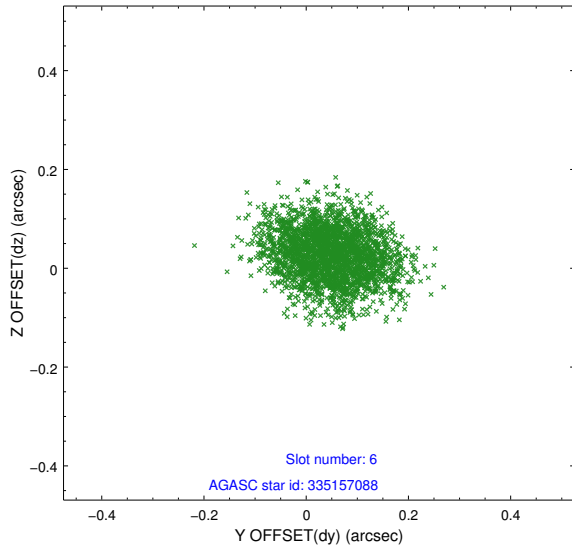
2.4.3 Slot 5



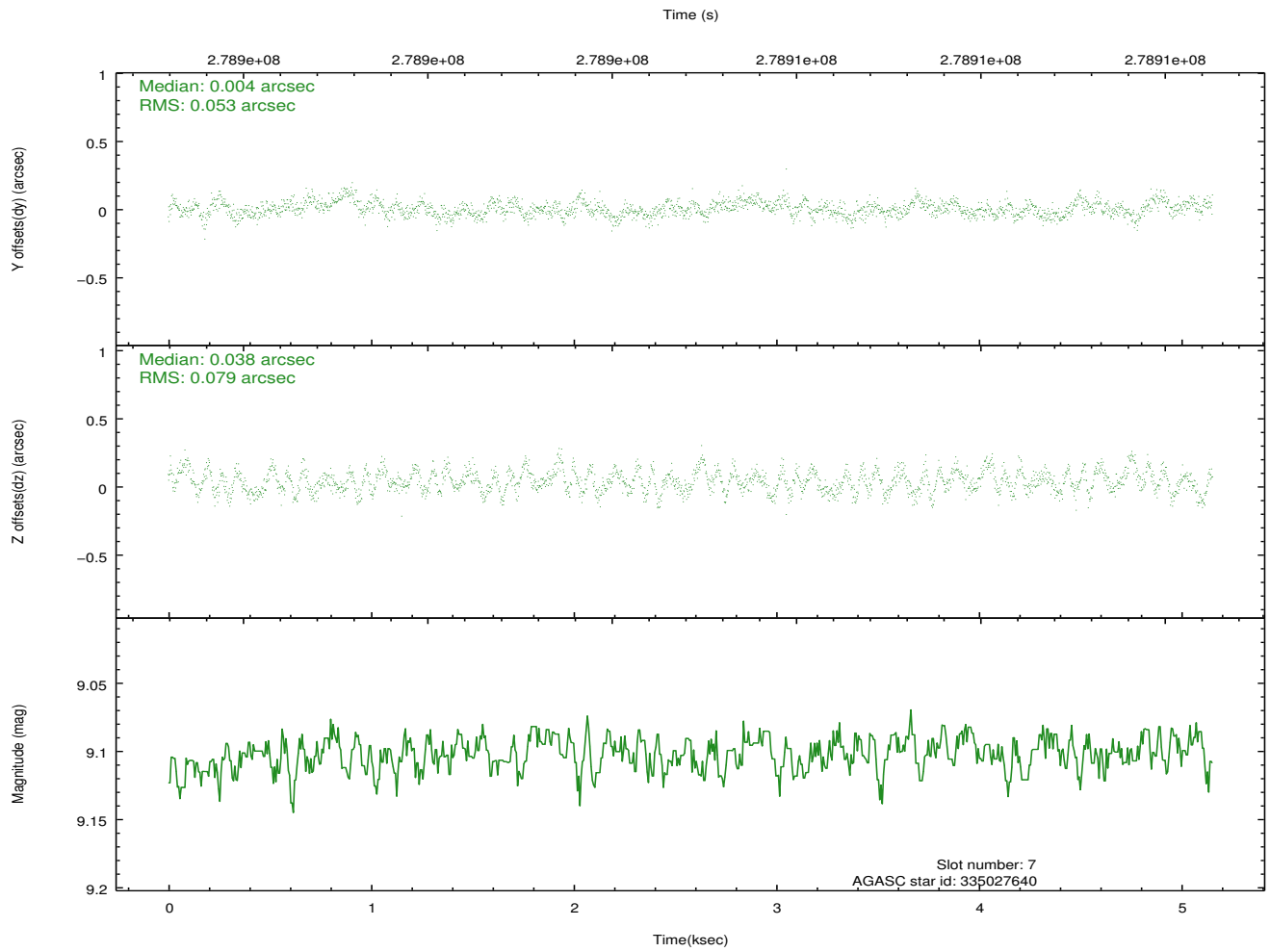
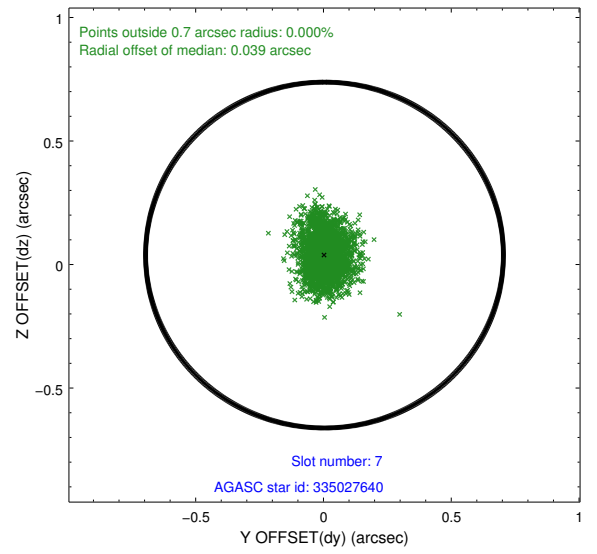
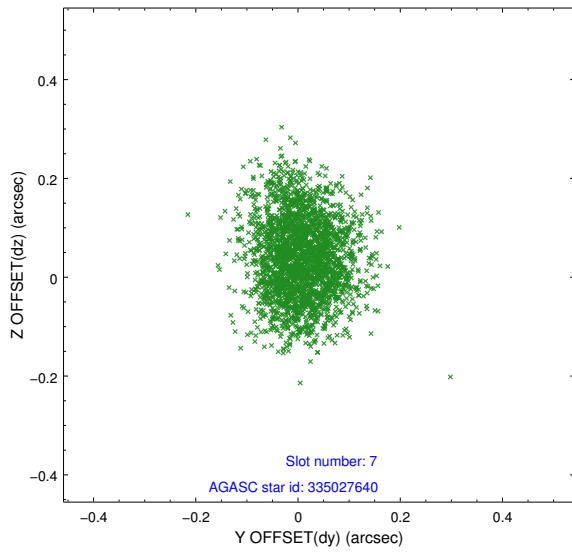
Time (s)



2.4.4 Slot 6

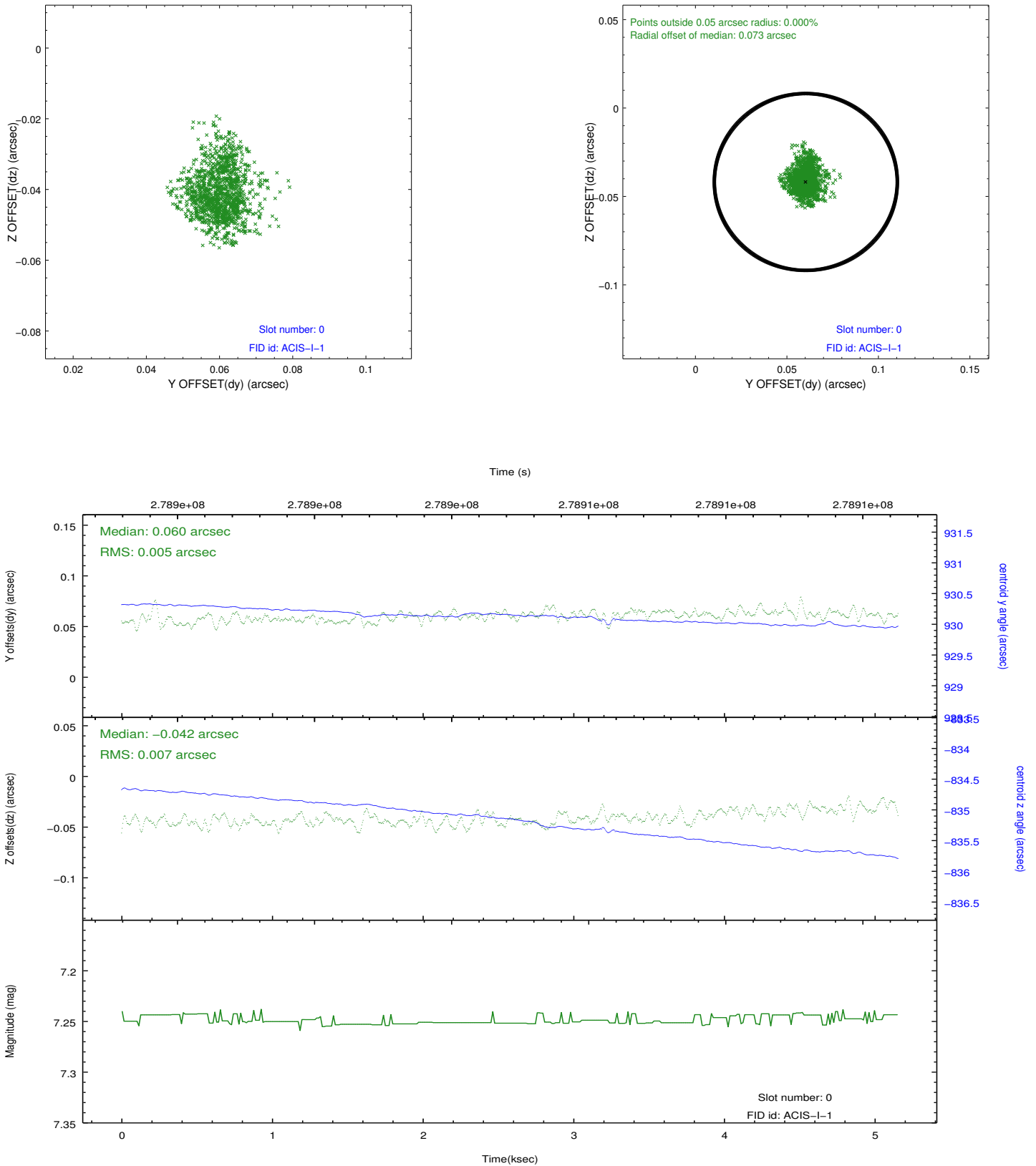


2.4.5 Slot 7

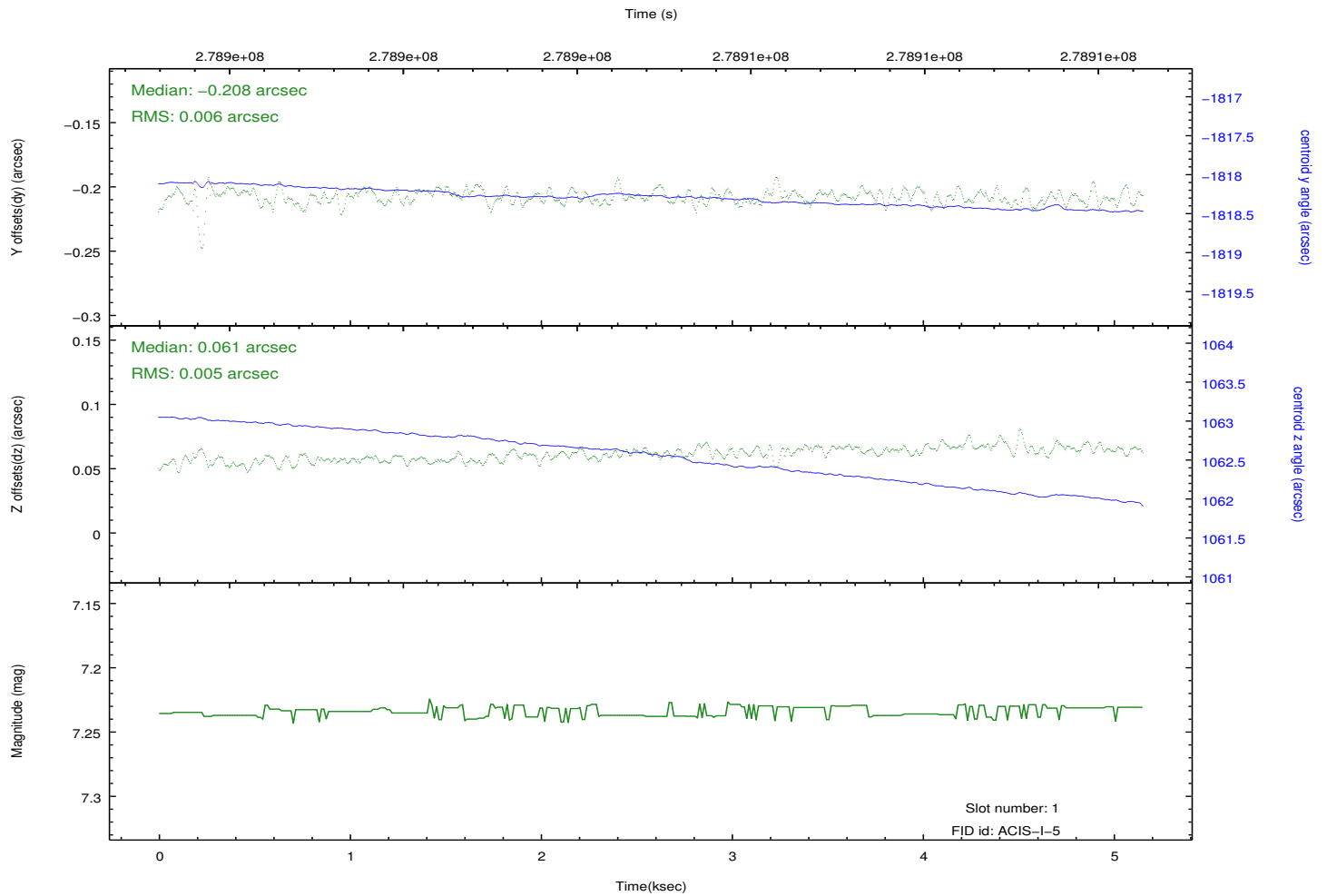
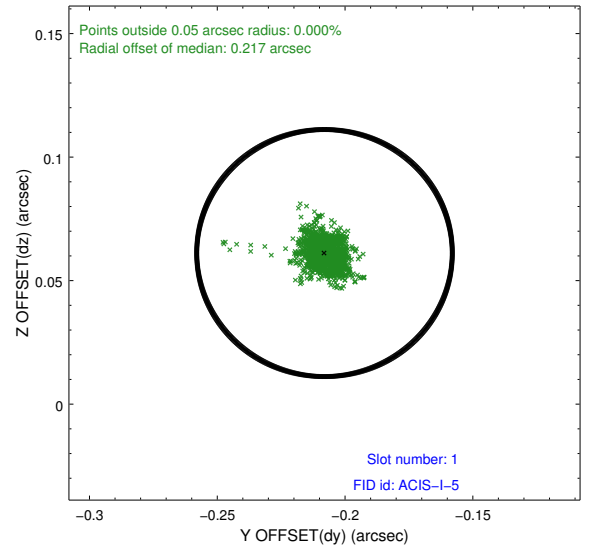
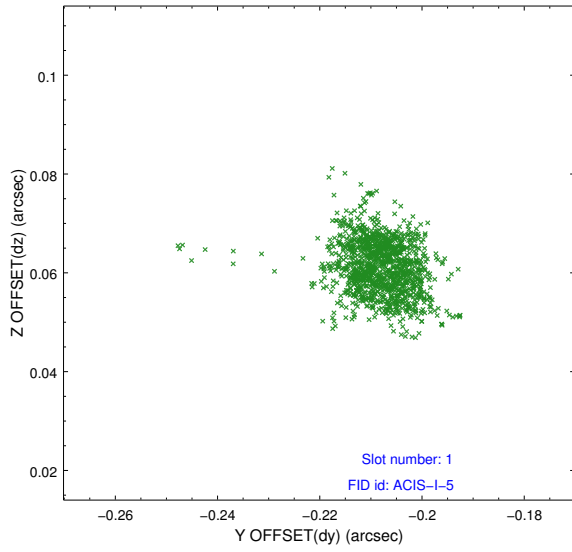


2.5 FID Slots

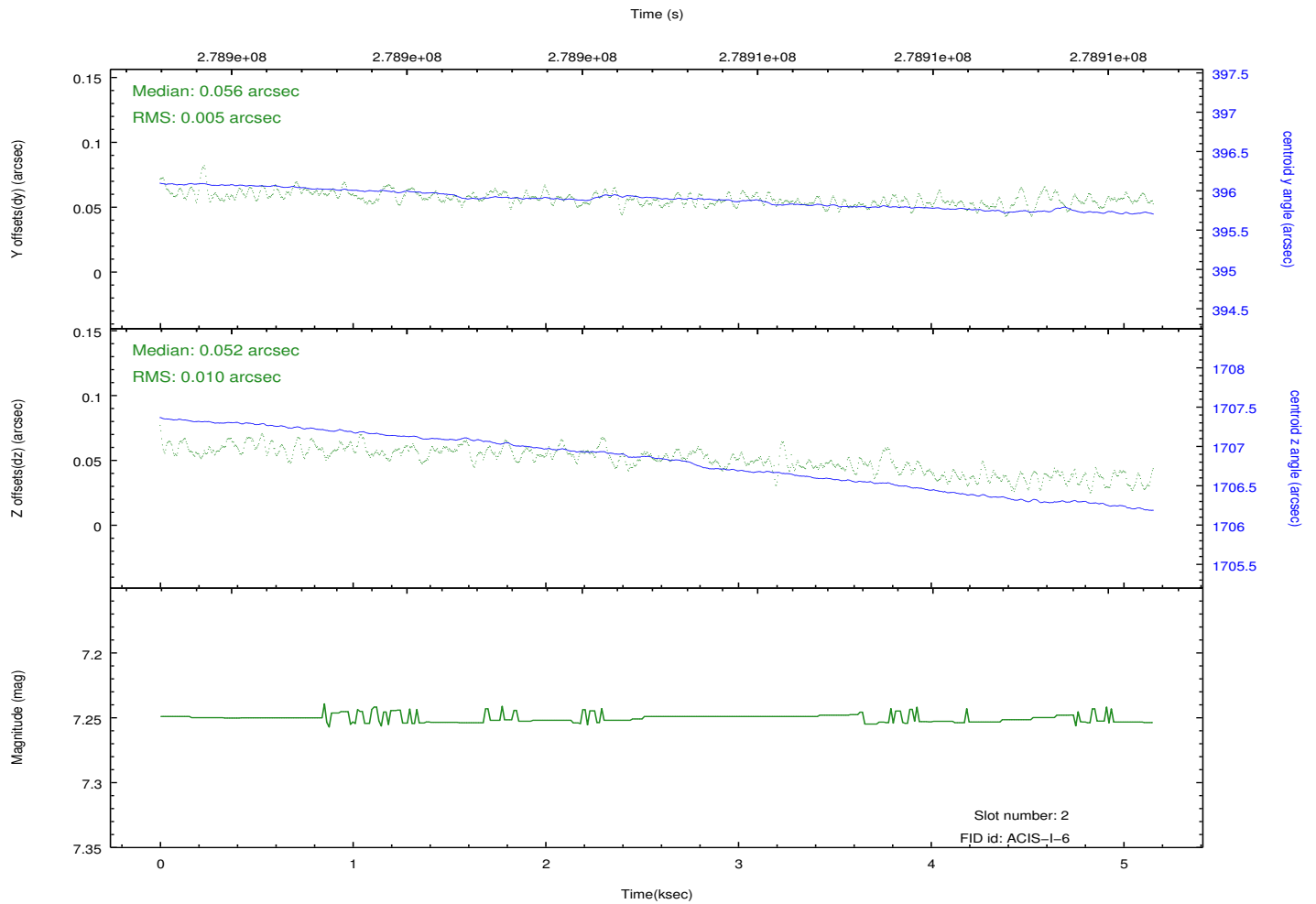
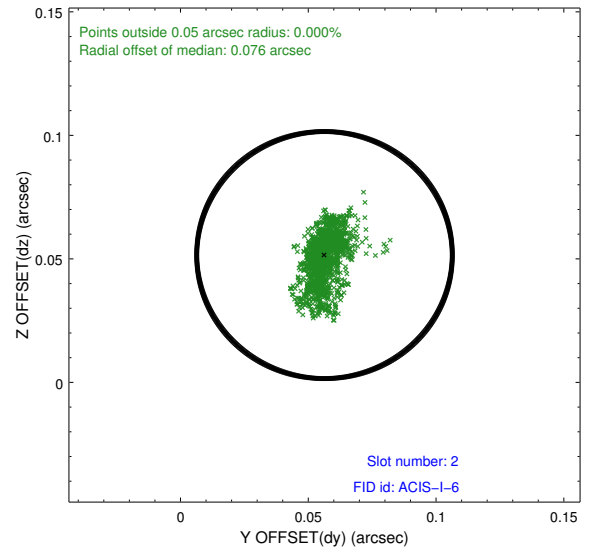
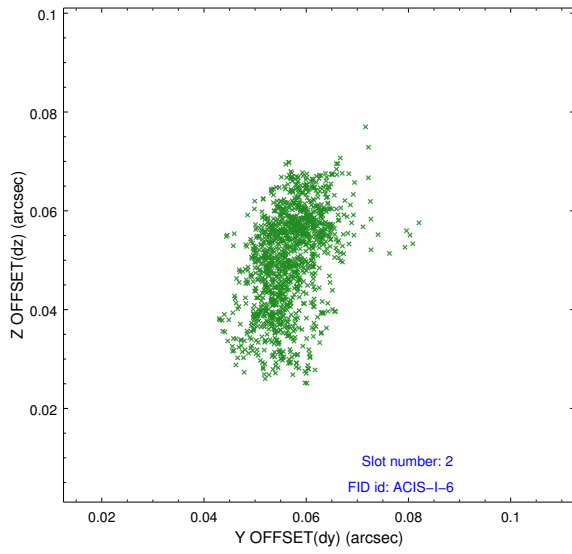
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15220003

A.2 Comments