

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7469 - L2 Version 2
Chandra X-Ray Center

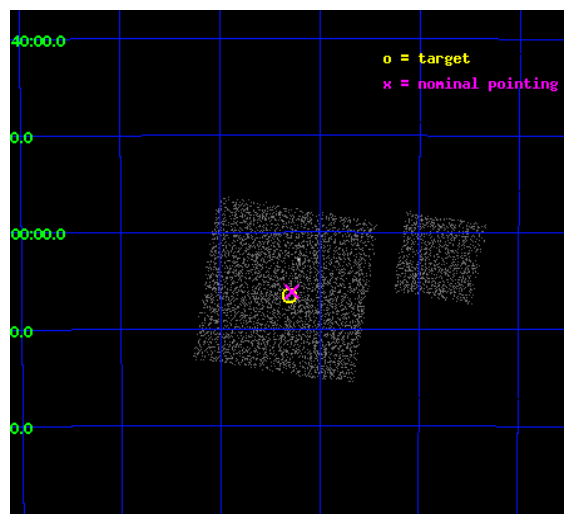
L2 Processing Date : May 8 2012

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

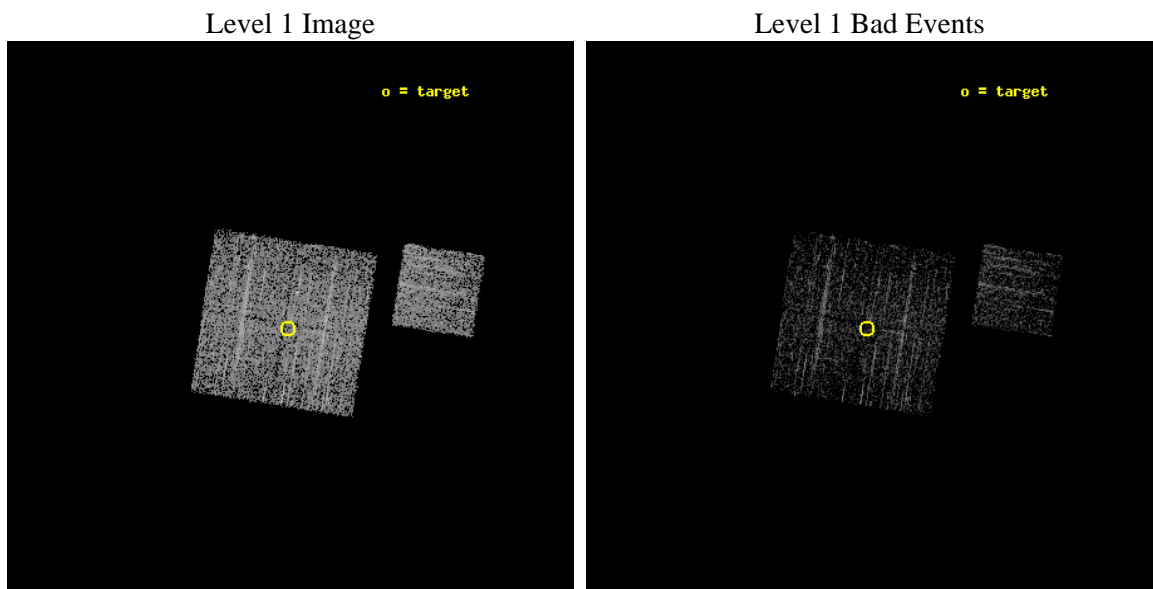
seq_num	400579	Sequence number
obs_id	7469	Observation id
title	Chandra follow-up of weak persistent sources found in INTEGRAL maps	
observer	Prof Mariano Mendez	Principal investigator
object	IGR J16293-4606	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.325417	Observer's specified target RA [deg]
dec_targ	-46.110083	Observer's specified target Dec [deg]
ra_nom	247.32019428286	Nominal RA [deg]
dec_nom	-46.102867091312	Nominal Dec [deg]
roll_nom	99.071008818686	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1150.1000088453	Sum of GTIs [s]
livetime	1135.0731055385	Livetime [s]
ontime0	1150.1000088453	Sum of GTIs [s]
ontime1	1150.1000088453	Sum of GTIs [s]
ontime2	1150.1000088453	Sum of GTIs [s]
ontime3	1150.1000088453	Sum of GTIs [s]
ontime6	1150.1000088453	Sum of GTIs [s]
l2events	6543	Number of level 2 events



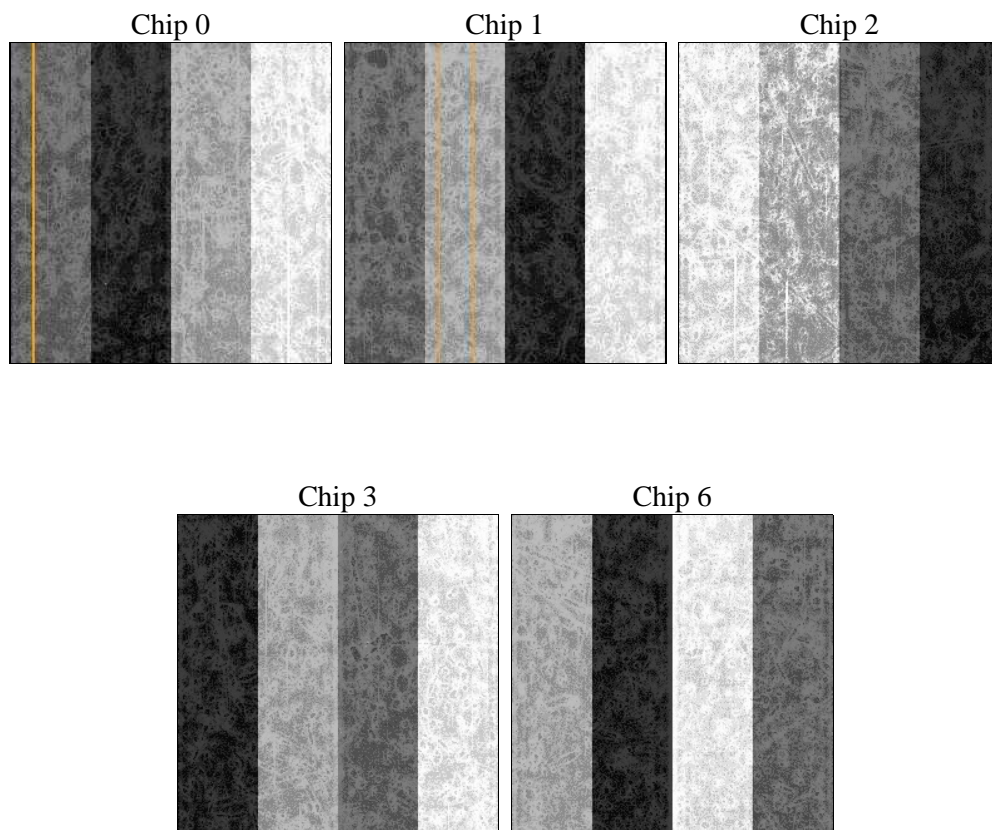
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1150.1000088453	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1150.1000088453	Sum of GTIs [s]
date	2012-05-08T14:27:05	Date and time of file creation	ontime1	1150.1000088453	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1150.1000088453	Sum of GTIs [s]
			ontime3	1150.1000088453	Sum of GTIs [s]
			ontime6	1150.1000088453	Sum of GTIs [s]
			l1events	115366	Number of level 1 events

2.1.4 Events

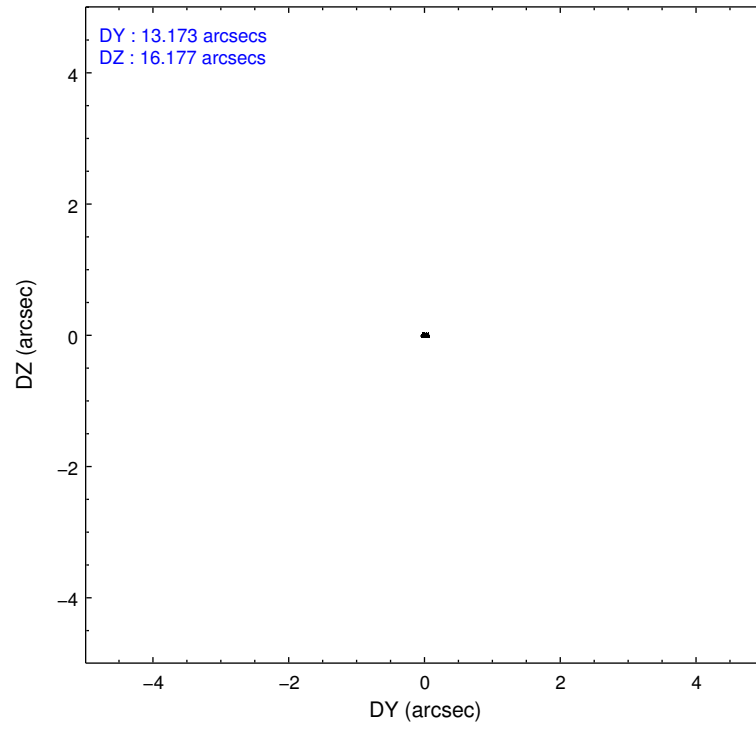
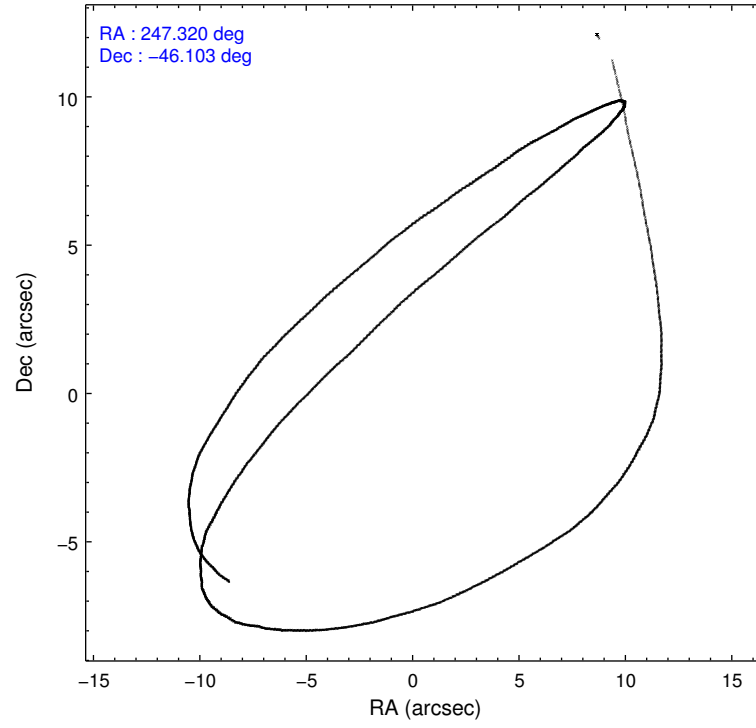
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22470	21748	23450	24208	23490
rejected events	20987	20246	21814	22715	22130
rejected %	93%	93%	93%	93%	94%

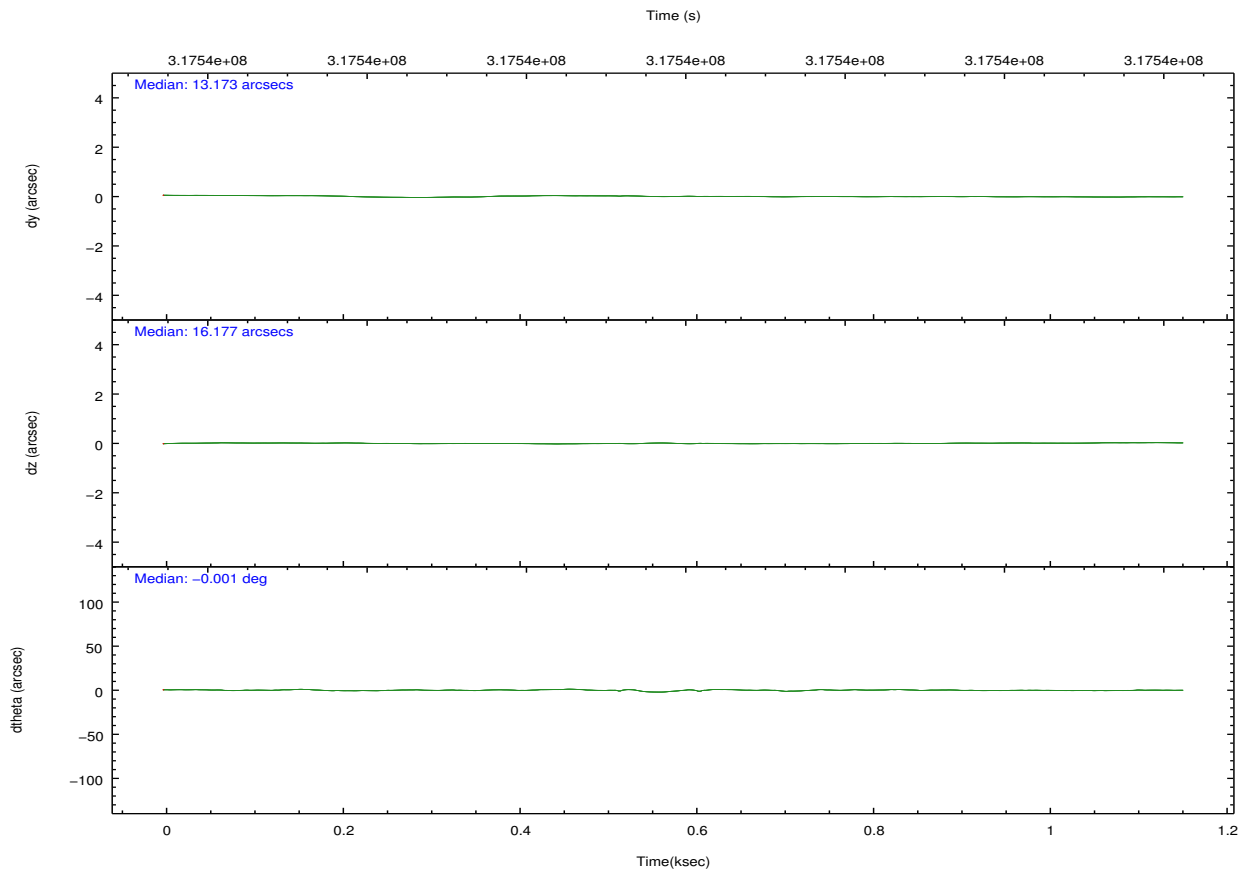
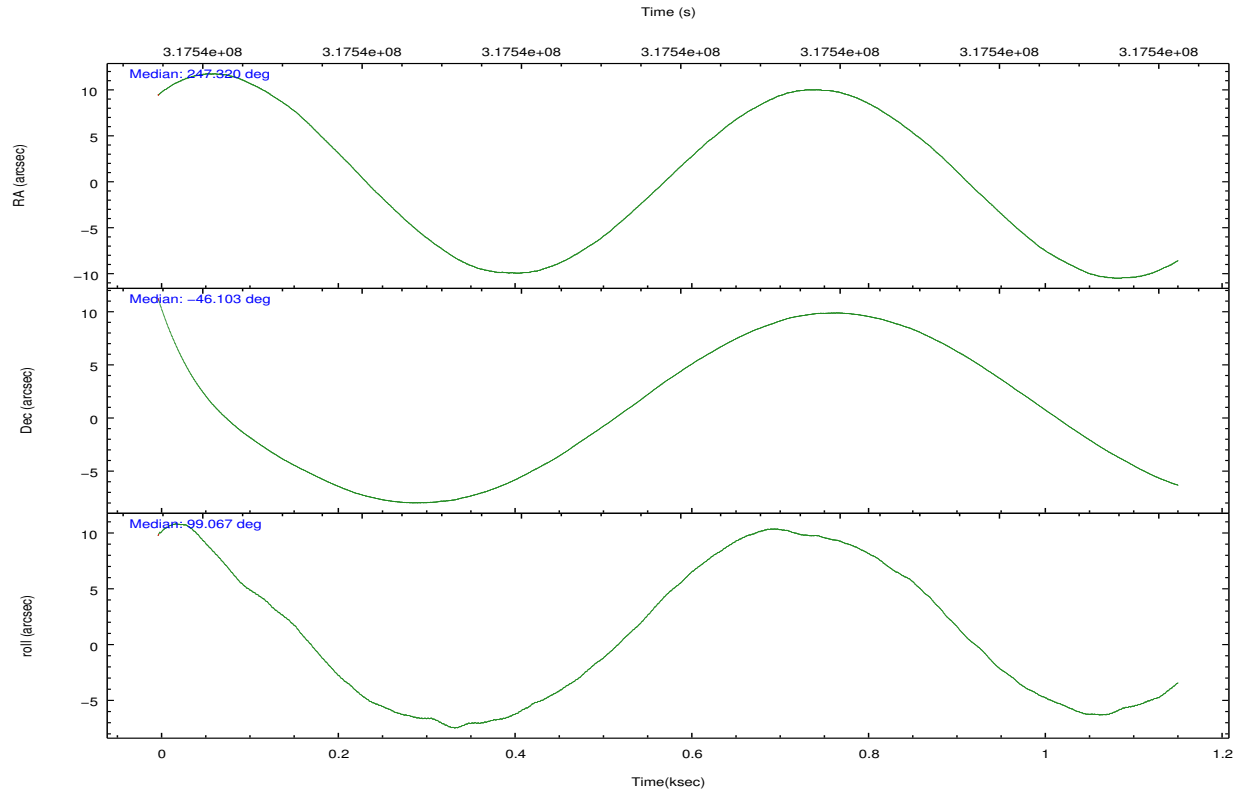
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1622	1476	1621	1452	1178
	7%	6%	6%	5%	5%
grade 1 events	71	77	19	17	15
	0%	0%	0%	0%	0%
grade 2 events	711	771	640	601	647
	3%	3%	2%	2%	2%
grade 3 events	298	301	273	285	270
	1%	1%	1%	1%	1%
grade 4 events	295	336	290	272	253
	1%	1%	1%	1%	1%
grade 5 events	1022	1082	950	1066	1097
	4%	4%	4%	4%	4%
grade 6 events	577	639	532	510	581
	2%	2%	2%	2%	2%
grade 7 events	17874	17066	19125	20005	19449
	79%	78%	81%	82%	82%

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	247.345378	247.3201942828551	CCD I2 on	Y	Y
[deg] Pointing Dec	-46.124115	-46.10286709131199	CCD I3 on	Y	Y
[deg] Pointing Roll	98.880484	99.07100881868617	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	317539158.184000	317537545.4375	CCD S5 on	N	N
Observation start date	2008-01-24T05:18:13	2008-01-24T04:52:25	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	317540158.184000	317540891.03767	On-chip summing requested	N	N
Observation end date	2008-01-24T05:34:53	2008-01-24T05:48:11	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



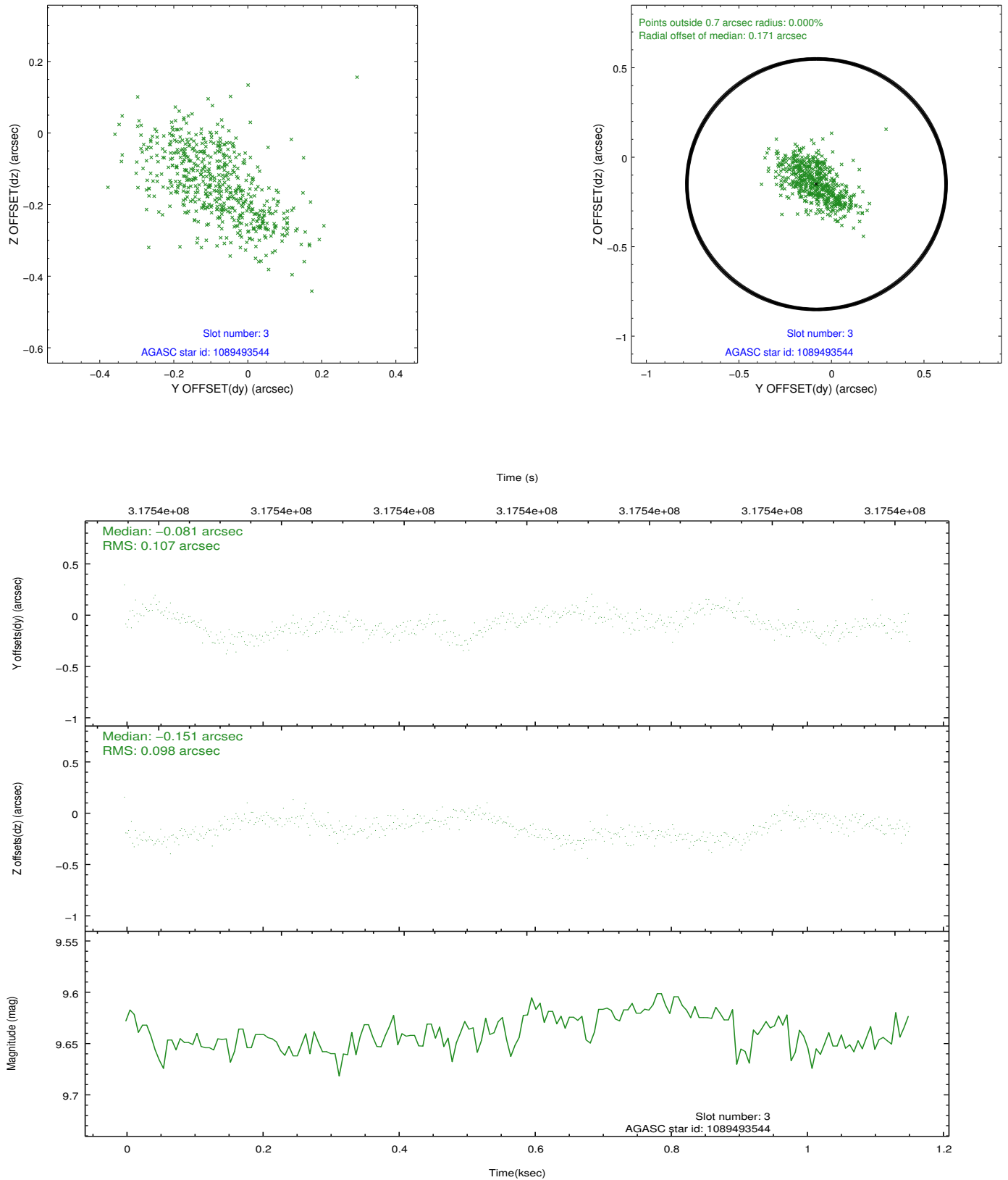


Slot Statistics

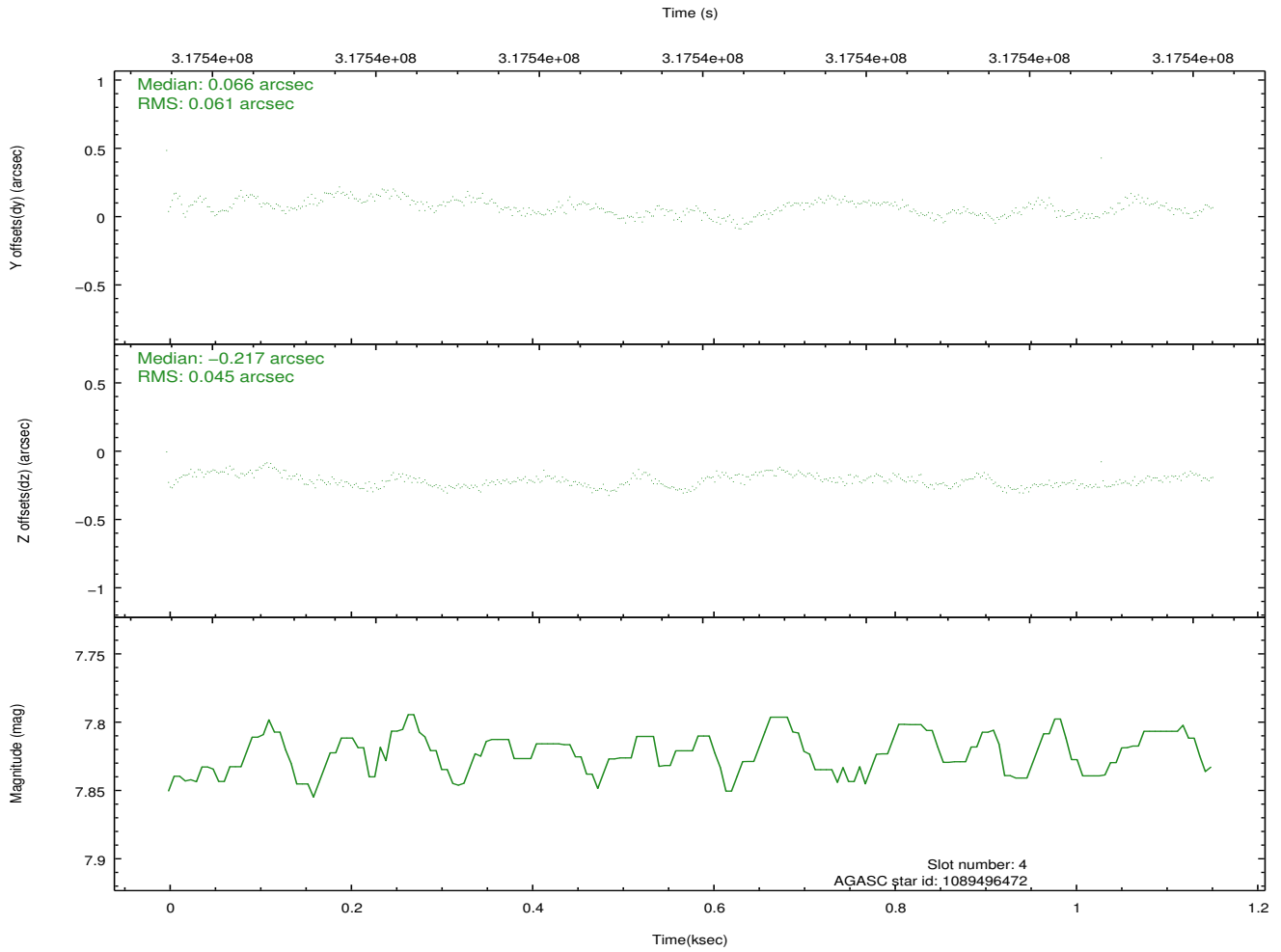
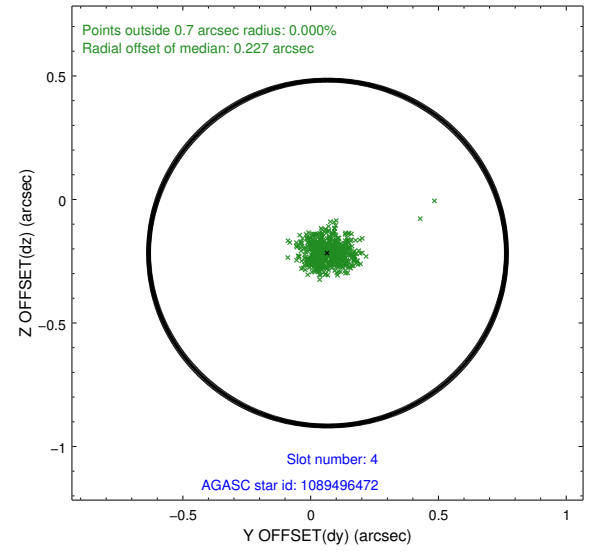
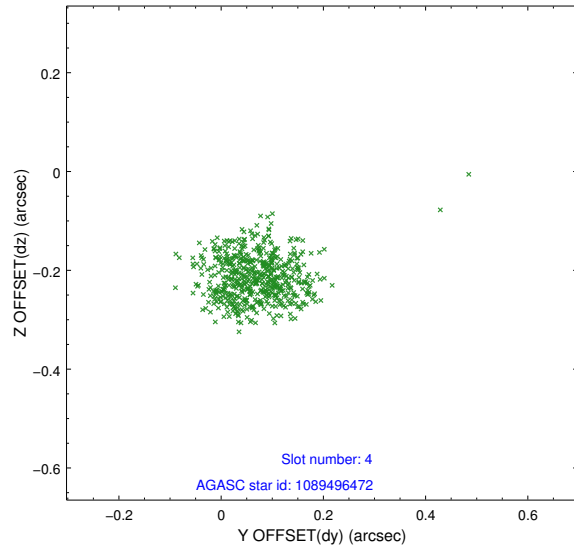
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	282	0.062	-0.053	0.008	0.013	0.000000	0.000000	926.37	-839.88
1	FID	ACIS-I-5	7.22	282	-0.211	0.059	0.008	0.014	0.000000	0.000000	-1818.77	1054.87
2	FID	ACIS-I-6	7.23	282	0.058	0.064	0.008	0.014	0.000000	0.000000	385.68	1705.88
3	GUIDE	1089493544	9.64	564	-0.081	-0.151	0.154	0.245	246.502480	-45.605212	2162.49	1810.73
4	GUIDE	1089496472	7.82	564	0.066	-0.217	0.080	0.117	247.072010	-46.317630	-580.17	781.74
5	GUIDE	1091221440	9.02	564	0.125	-0.028	0.139	0.208	247.879680	-46.176317	-396.29	-1284.74
6	GUIDE	1091198192	8.85	564	0.008	0.220	0.095	0.150	248.317554	-46.532724	-1839.89	-2151.76
7	GUIDE	1089488480	9.80	563	-0.119	0.154	0.185	0.293	247.286667	-45.540555	2095.40	-181.67

2.4 Star Slots

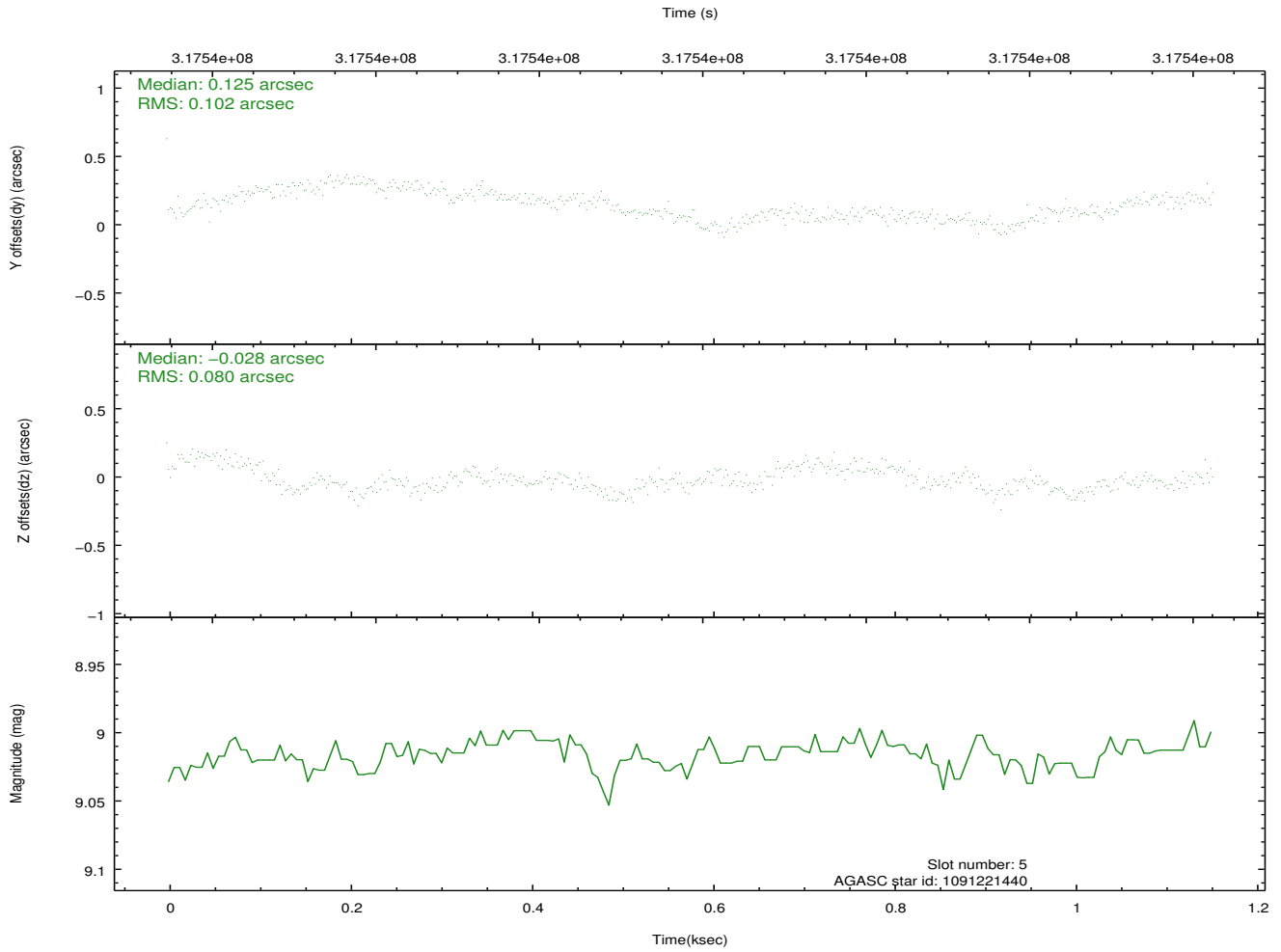
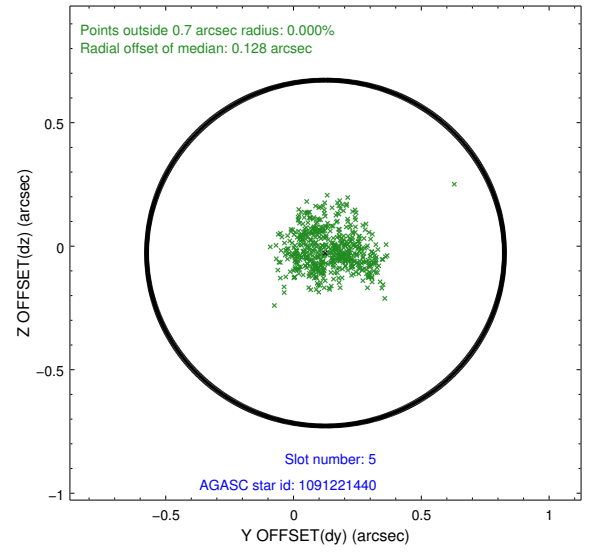
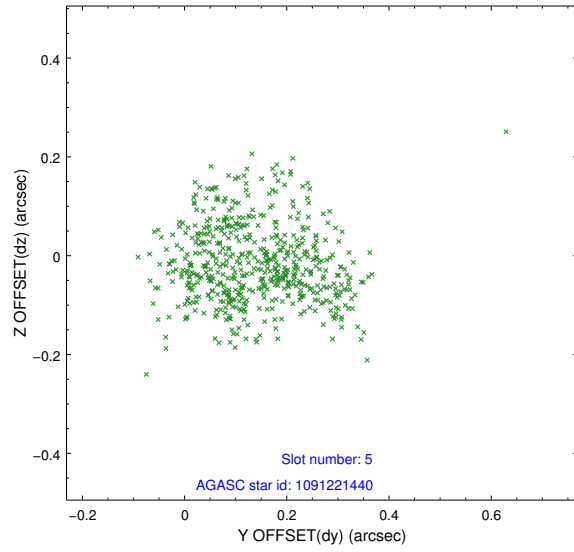
2.4.1 Slot 3



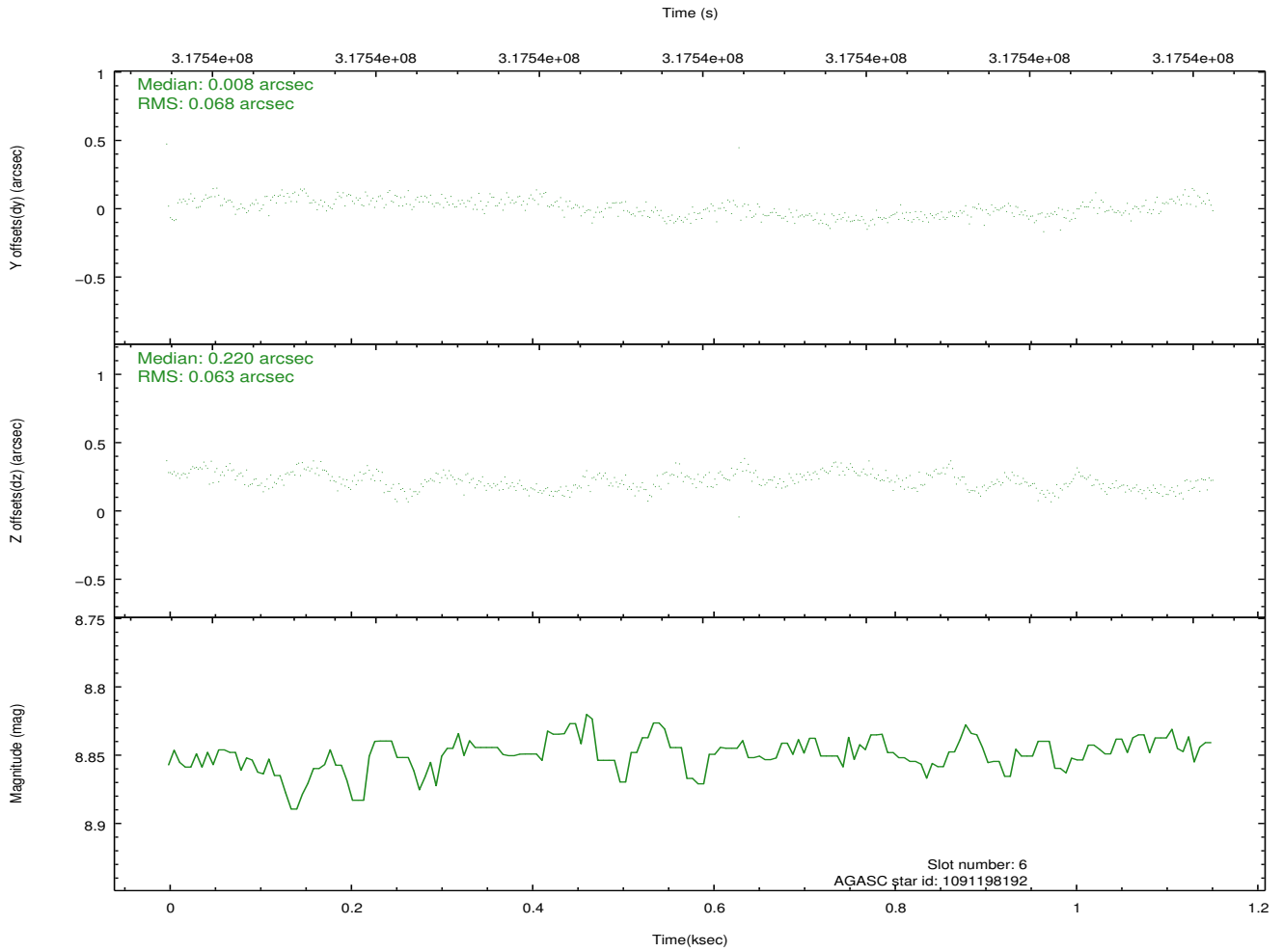
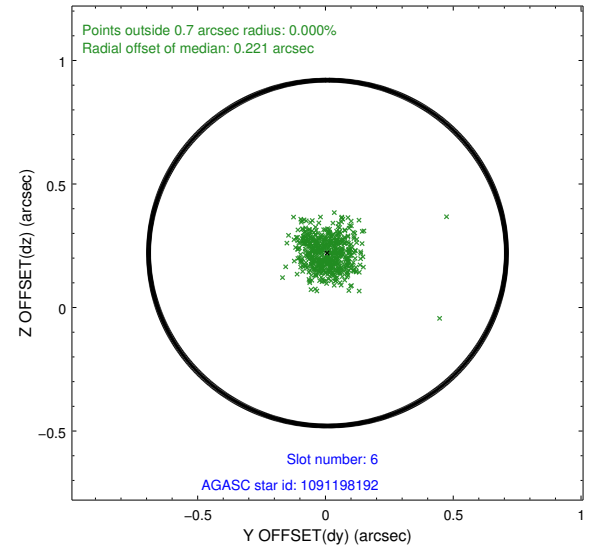
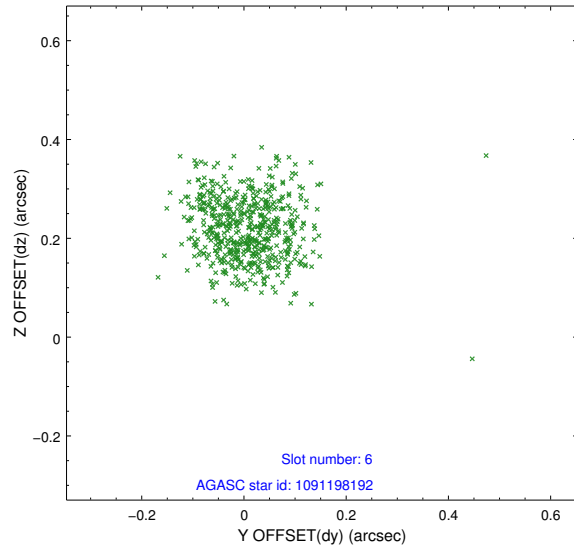
2.4.2 Slot 4



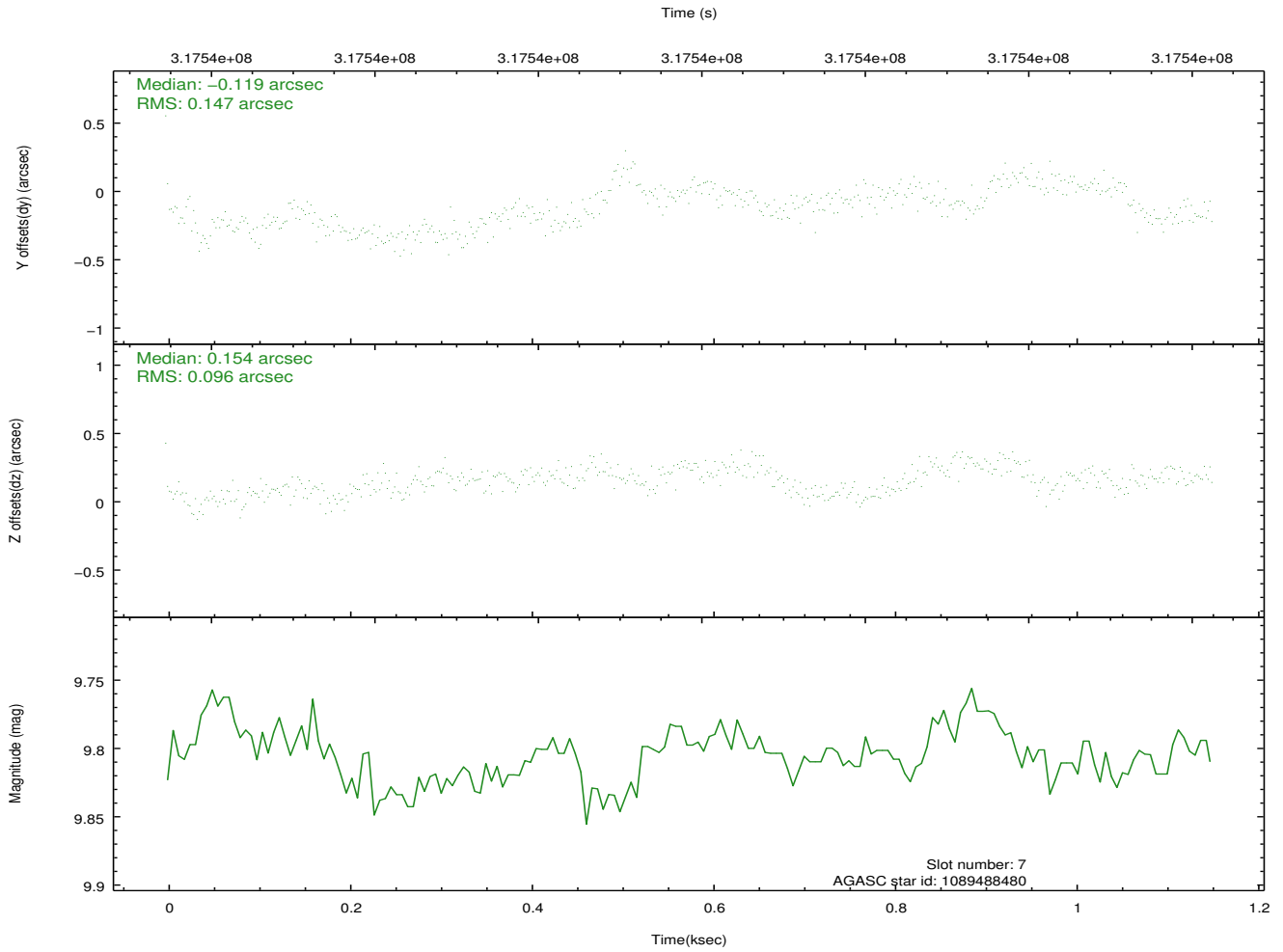
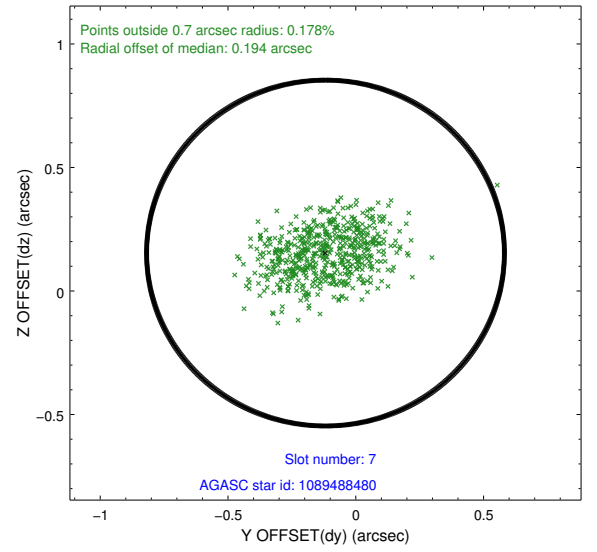
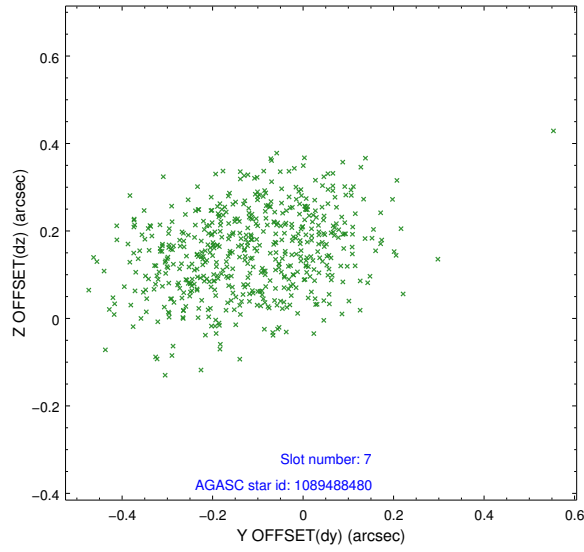
2.4.3 Slot 5



2.4.4 Slot 6

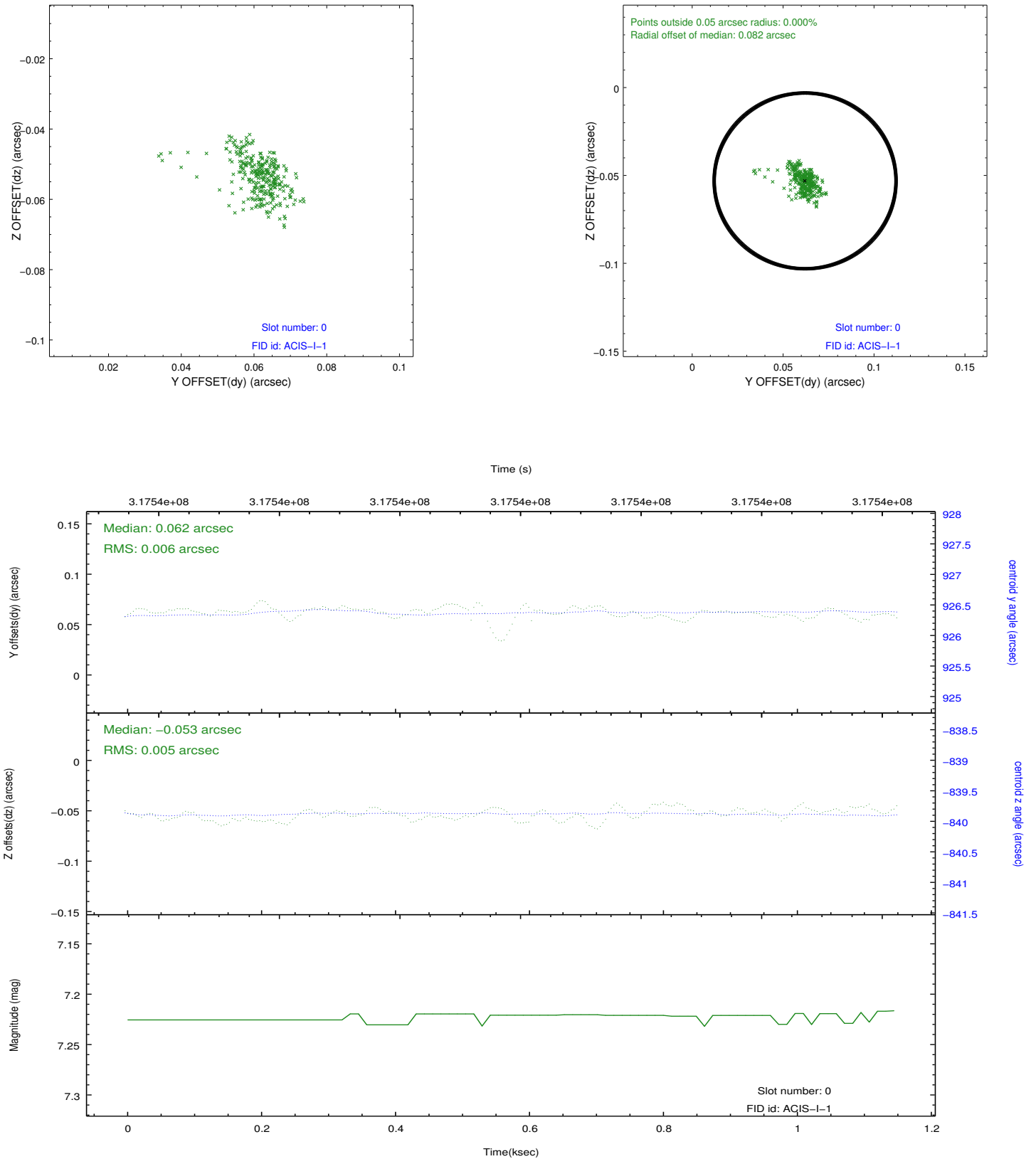


2.4.5 Slot 7

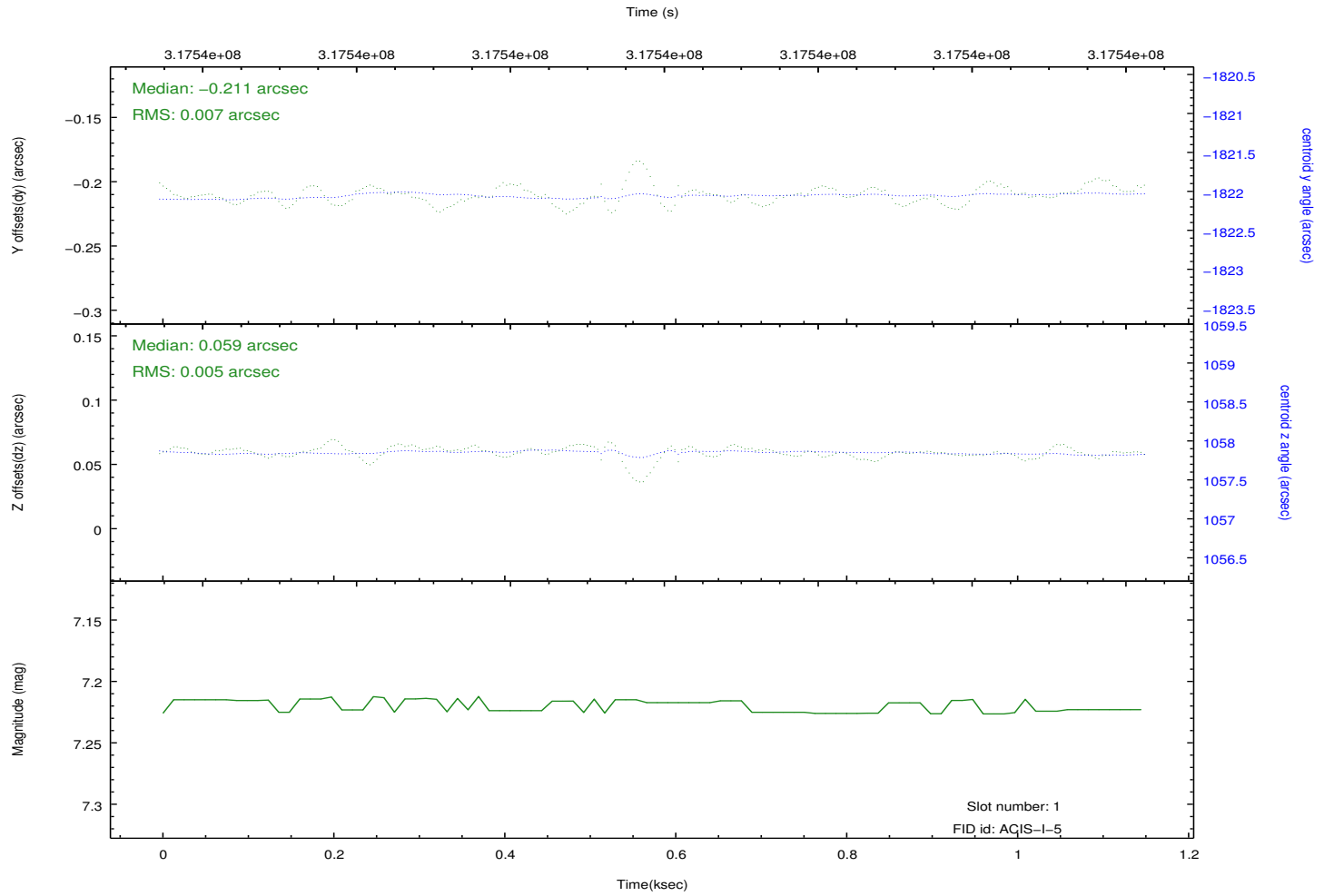
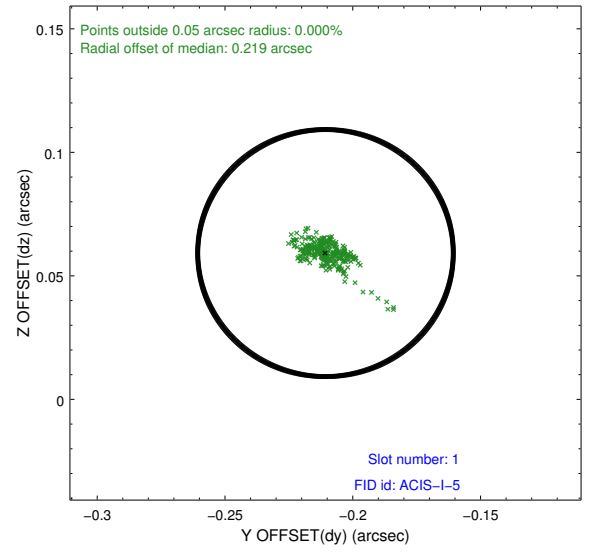
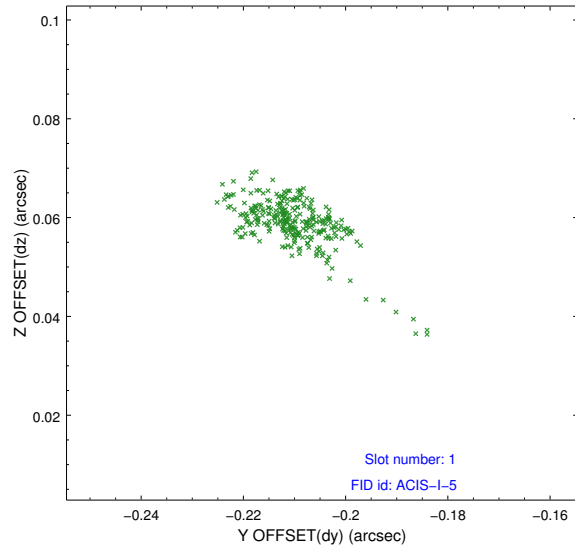


2.5 FID Slots

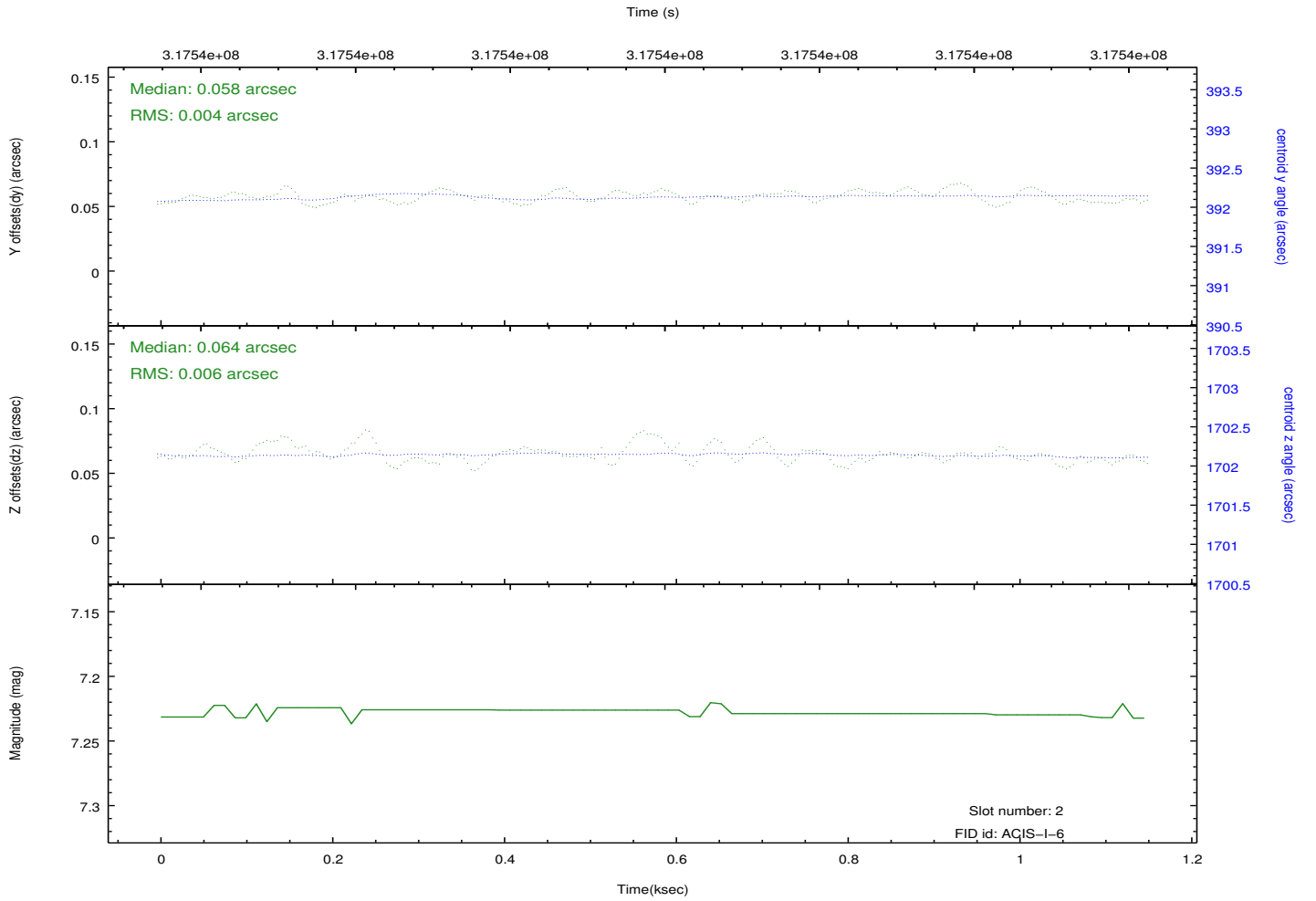
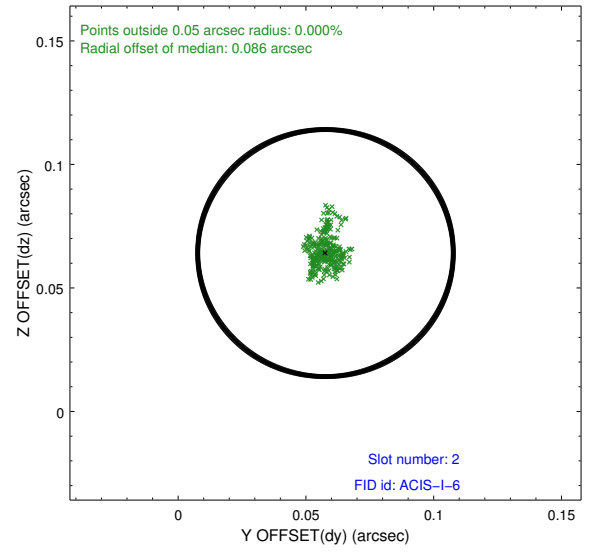
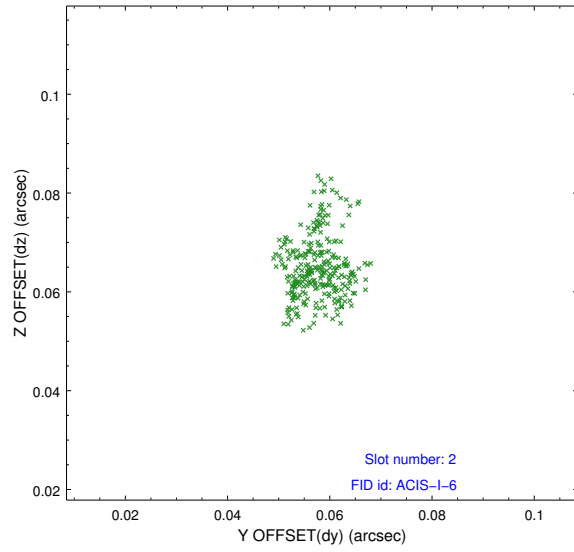
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1501

A.2 Comments

Optional chip S3 dropped.