

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8756 - L2 Version 2
Chandra X-Ray Center

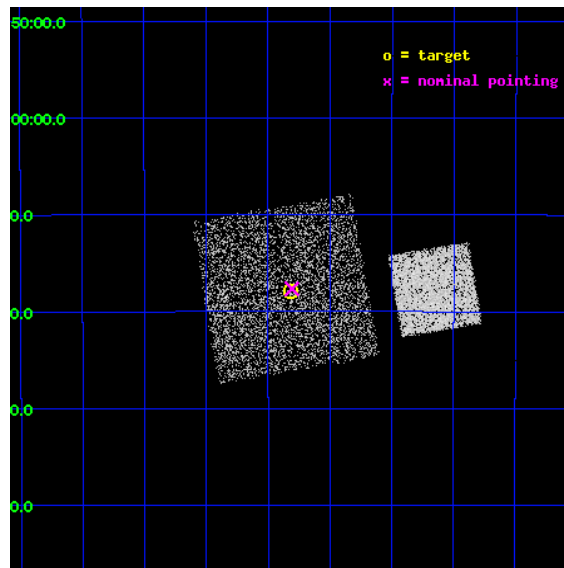
L2 Processing Date : May 14 2012

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

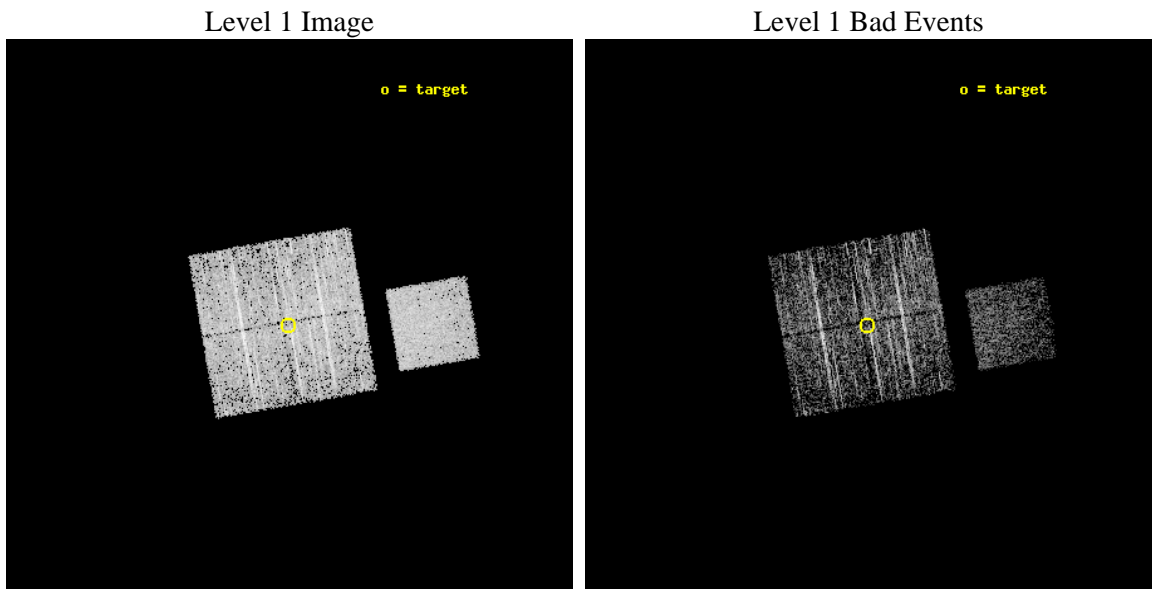
seq_num	400807	Sequence number
obs_id	8756	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.20381	Observer's specified target RA [deg]
dec_targ	-30.299007	Observer's specified target Dec [deg]
ra_nom	267.20189369815	Nominal RA [deg]
dec_nom	-30.294372651192	Nominal Dec [deg]
roll_nom	80.207732162135	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2194.80001688	Sum of GTIs [s]
livetime	2166.1233388712	Livetime [s]
ontime0	2194.80001688	Sum of GTIs [s]
ontime1	2191.6590166092	Sum of GTIs [s]
ontime2	2194.80001688	Sum of GTIs [s]
ontime3	2194.80001688	Sum of GTIs [s]
ontime7	2194.80001688	Sum of GTIs [s]
l2events	15628	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2194.80001688	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2194.80001688	Sum of GTIs [s]
date	2012-05-14T20:45:36	Date and time of file creation	ontime1	2191.6590166092	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2194.80001688	Sum of GTIs [s]
			ontime3	2194.80001688	Sum of GTIs [s]
			ontime7	2194.80001688	Sum of GTIs [s]
			l1events	103705	Number of level 1 events

2.1.4 Events

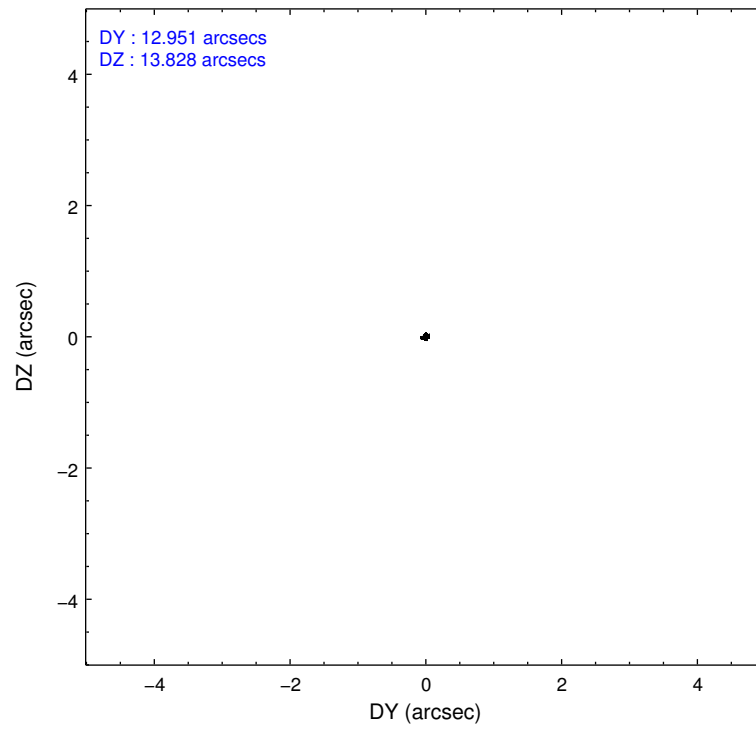
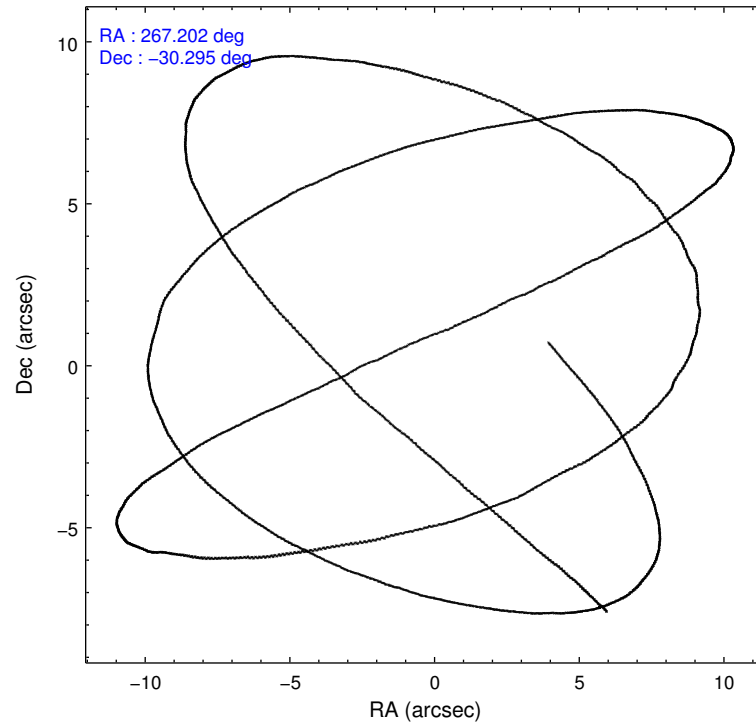
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19595	18133	22918	20545	22514
rejected events	17613	15958	20918	18625	13395
rejected %	89%	88%	91%	90%	59%

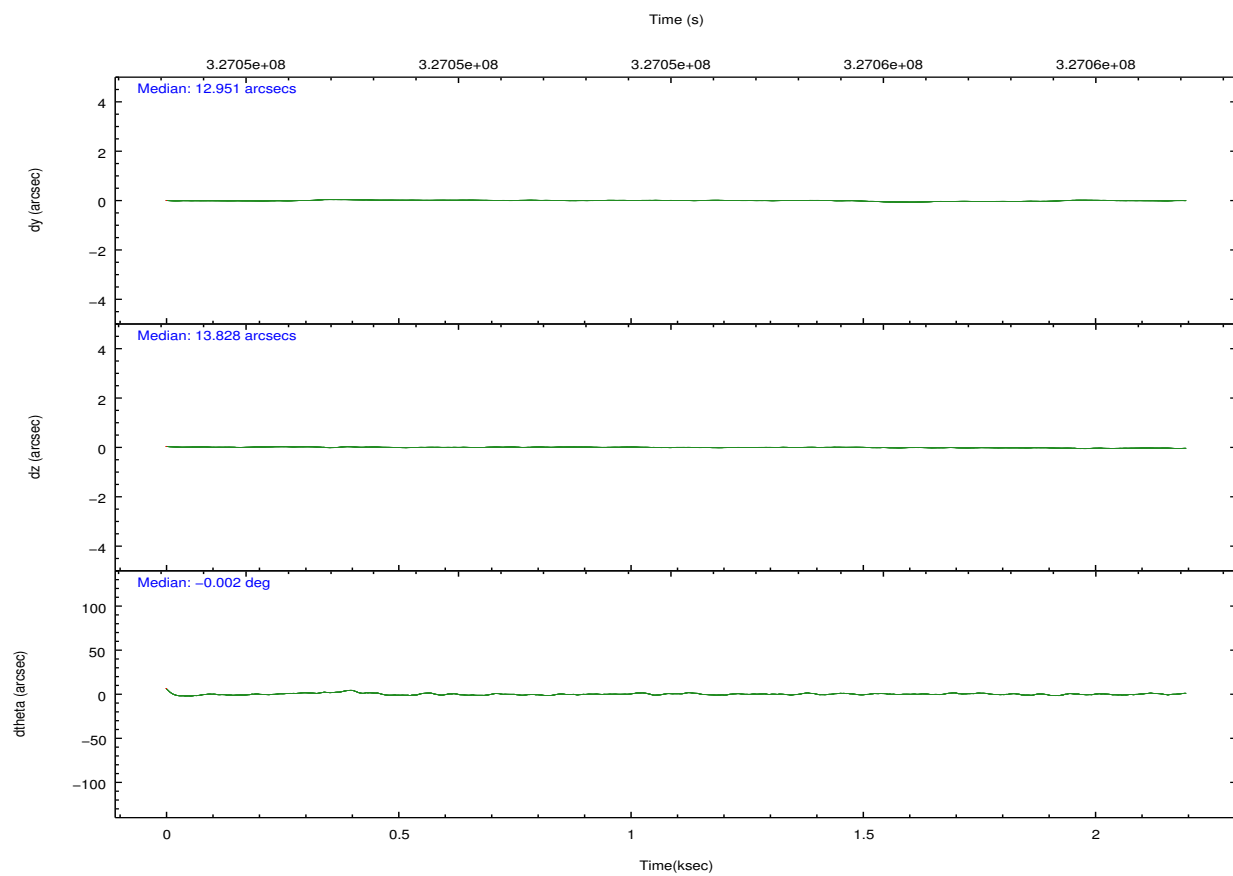
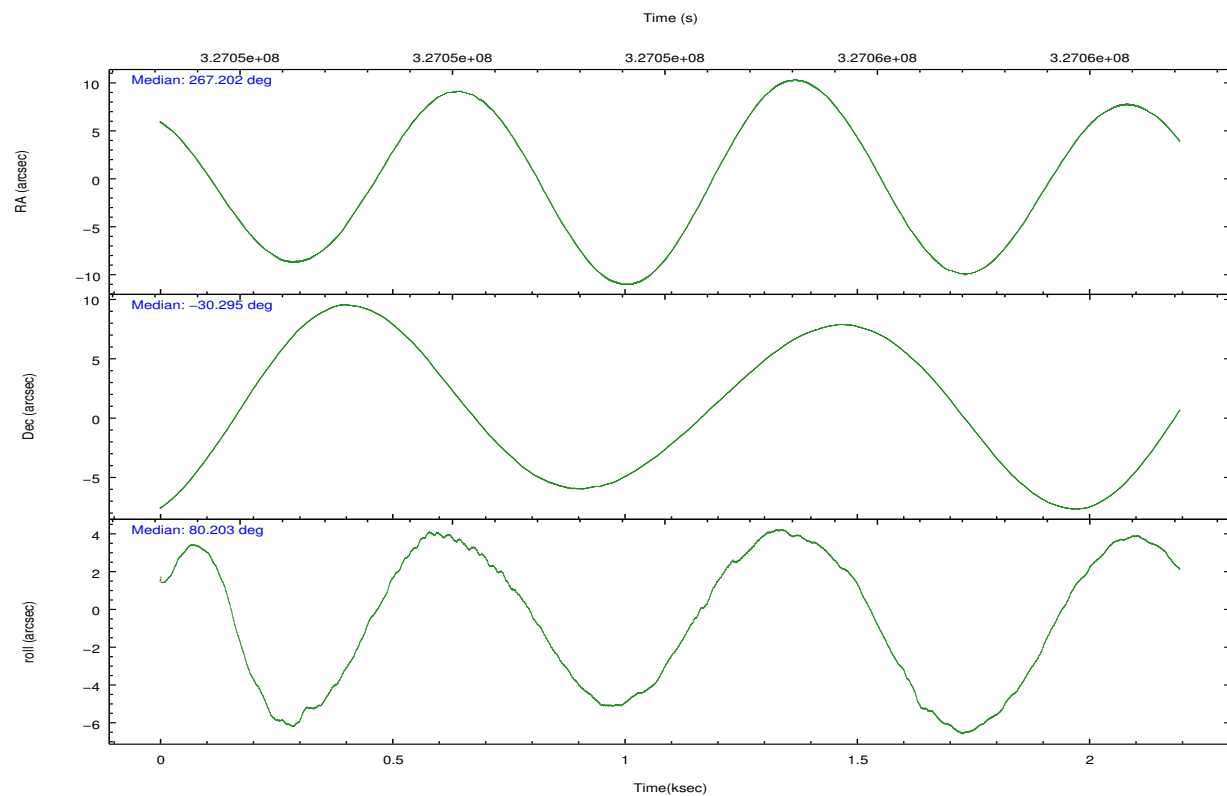
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	938	1011	956	917	1040
	4%	5%	4%	4%	4%
grade 1 events	14	13	12	11	30
	0%	0%	0%	0%	0%
grade 2 events	502	531	515	430	2142
	2%	2%	2%	2%	9%
grade 3 events	232	232	240	228	955
	1%	1%	1%	1%	4%
grade 4 events	203	229	222	227	987
	1%	1%	0%	1%	4%
grade 5 events	696	786	635	842	2392
	3%	4%	2%	4%	10%
grade 6 events	390	481	345	402	5266
	1%	2%	1%	1%	23%
grade 7 events	16620	14850	19993	17488	9702
	84%	81%	87%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	267.213034	267.2018936981475	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.320040	-30.29437265119202	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004655	80.20773216213549	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	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	327053602.184000	327053225.65023	CCD S5 on	N	N
Observation start date	2008-05-13T08:12:17	2008-05-13T08:07:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327055602.184000	327055736.38785	On-chip summing requested	N	N
Observation end date	2008-05-13T08:45:37	2008-05-13T08:48:56	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



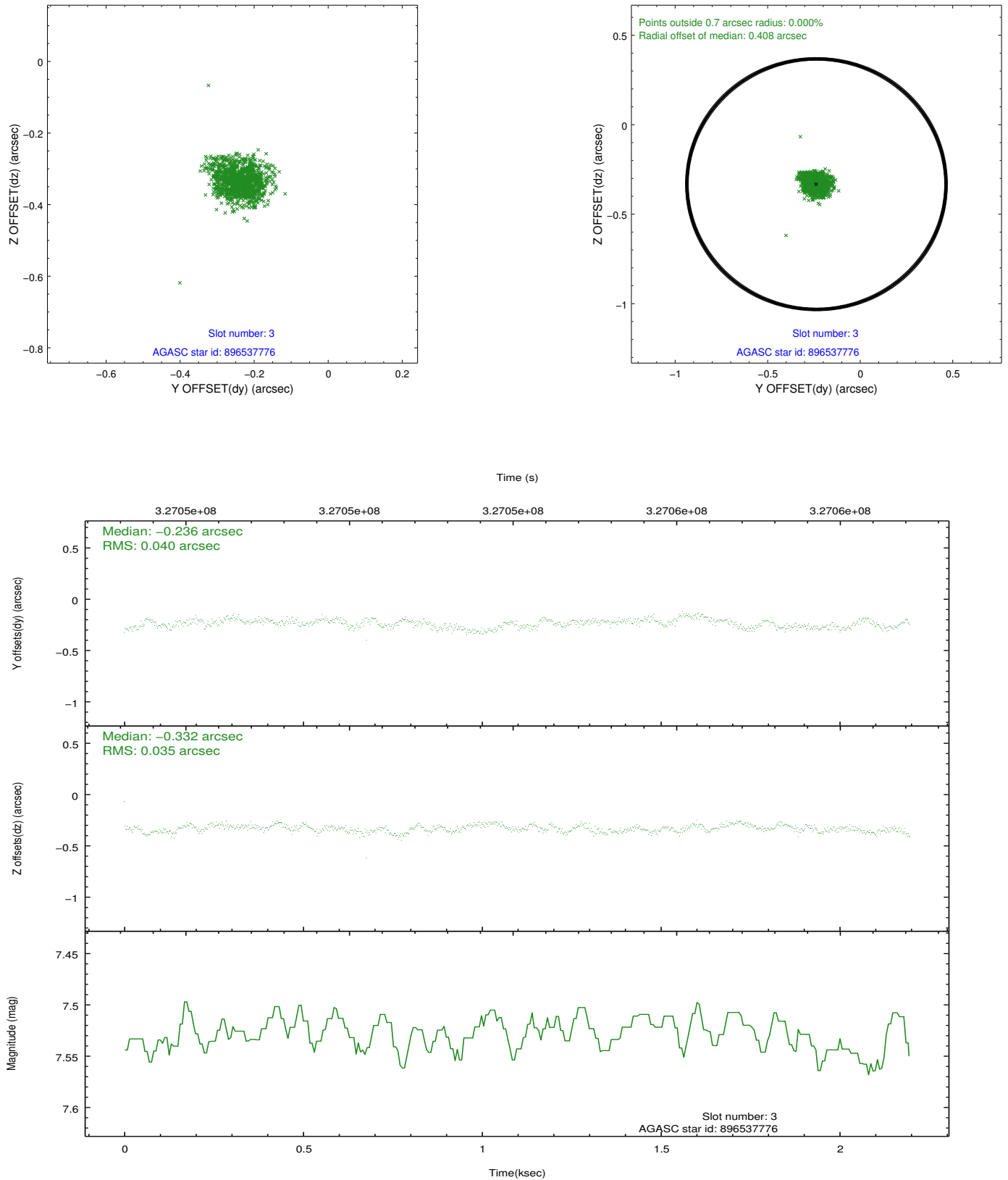


Slot Statistics

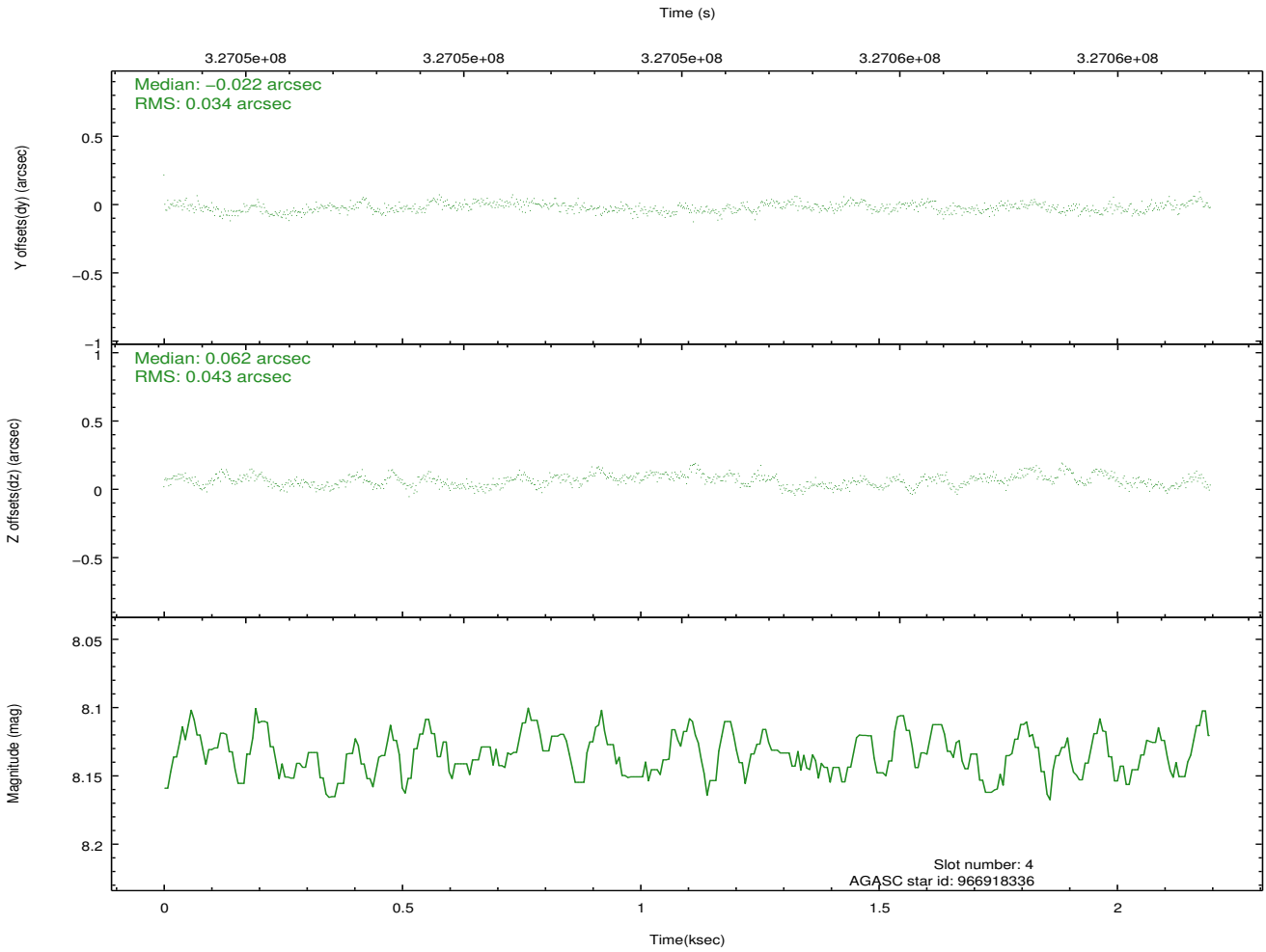
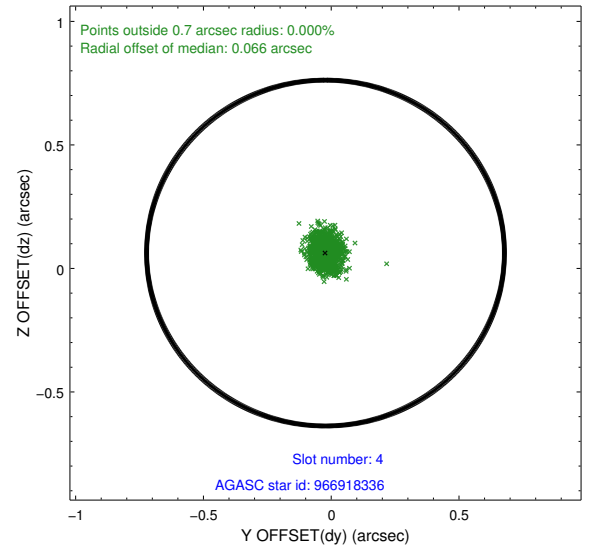
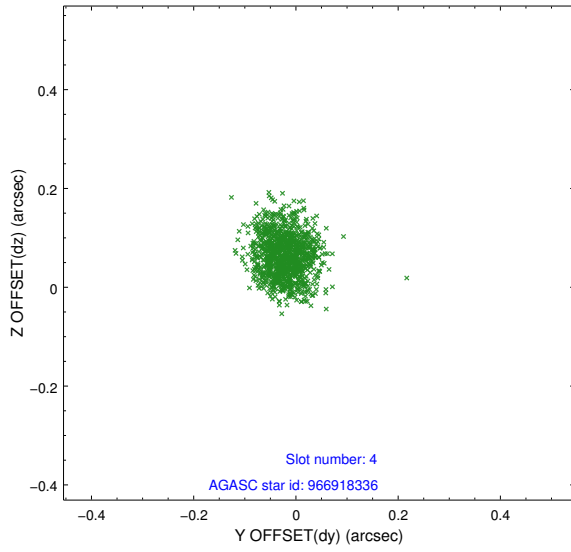
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	536	-0.077	-0.049	0.009	0.017	0.000000	0.000000	-767.68	-843.80
1	FID	ACIS-I-4	6.98	536	0.180	0.062	0.007	0.013	0.000000	0.000000	2145.28	1060.97
2	FID	ACIS-I-5	7.02	536	-0.203	0.057	0.009	0.015	0.000000	0.000000	-1817.82	1062.21
3	GUIDE	896537776	7.53	1072	-0.236	-0.332	0.056	0.088	266.655684	-29.665673	2013.39	2125.28
4	GUIDE	966918336	8.13	1072	-0.022	0.062	0.058	0.094	267.709998	-30.955430	-1987.18	-1906.58
5	GUIDE	966918400	7.35	1072	0.222	0.048	0.049	0.080	267.537101	-30.960086	-2097.94	-1387.20
6	GUIDE	966919736	6.91	1072	0.188	0.018	0.089	0.146	267.322278	-30.597445	-926.31	-508.46
7	GUIDE	898248800	8.24	1071	-0.149	0.202	0.066	0.107	267.977609	-29.931731	1782.63	-2107.87

2.4 Star Slots

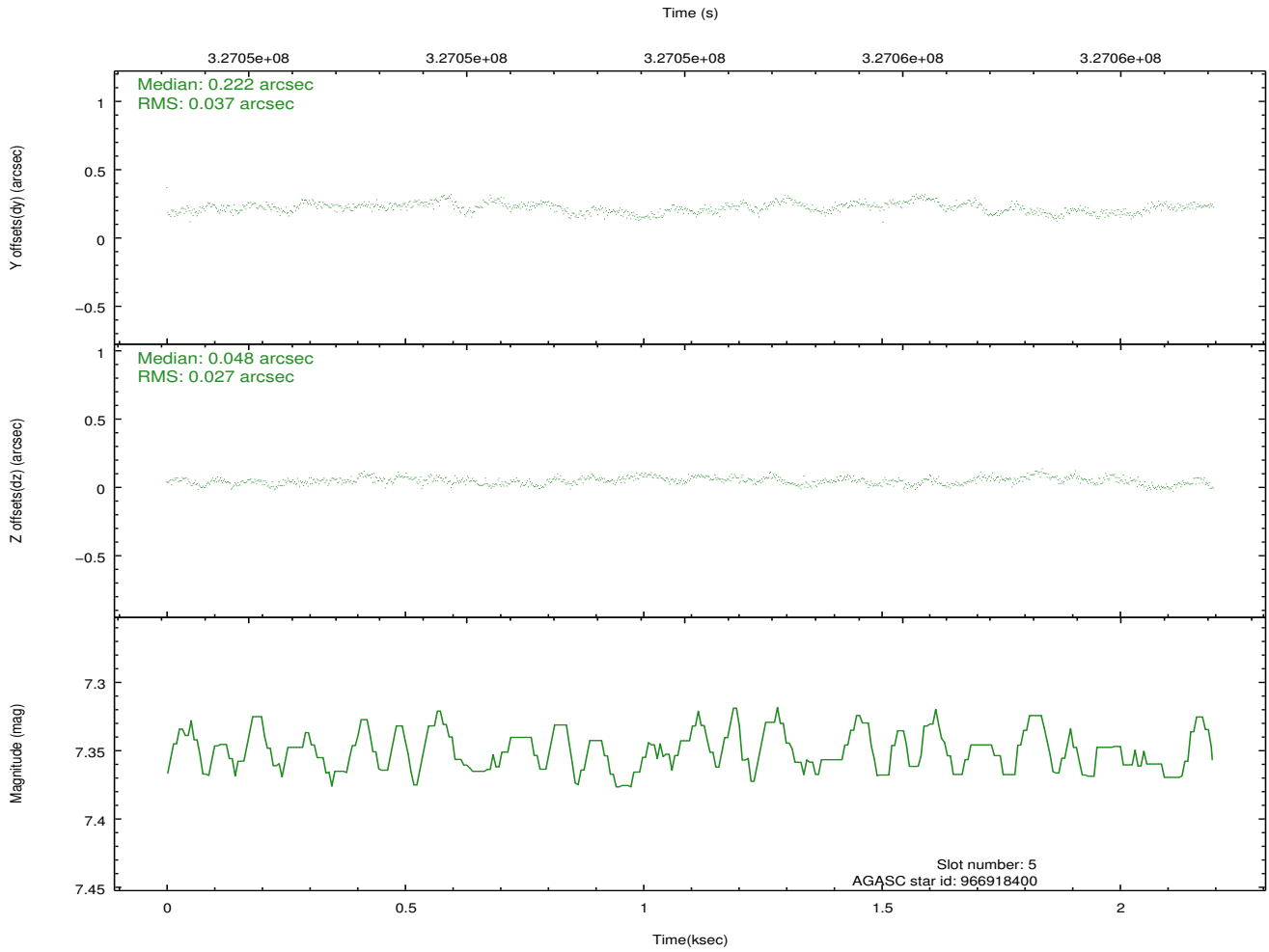
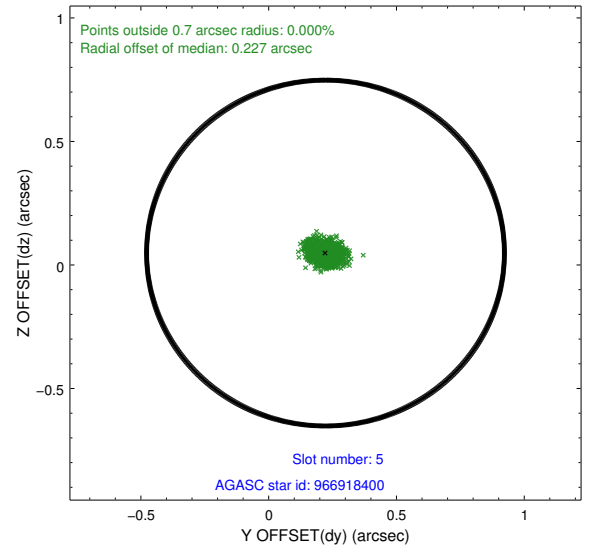
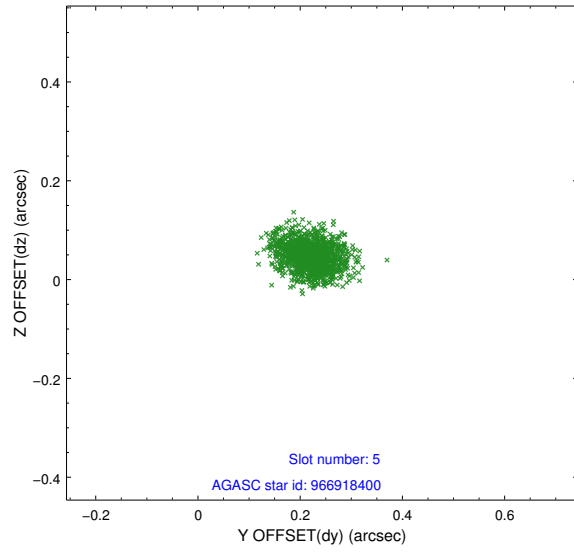
2.4.1 Slot 3



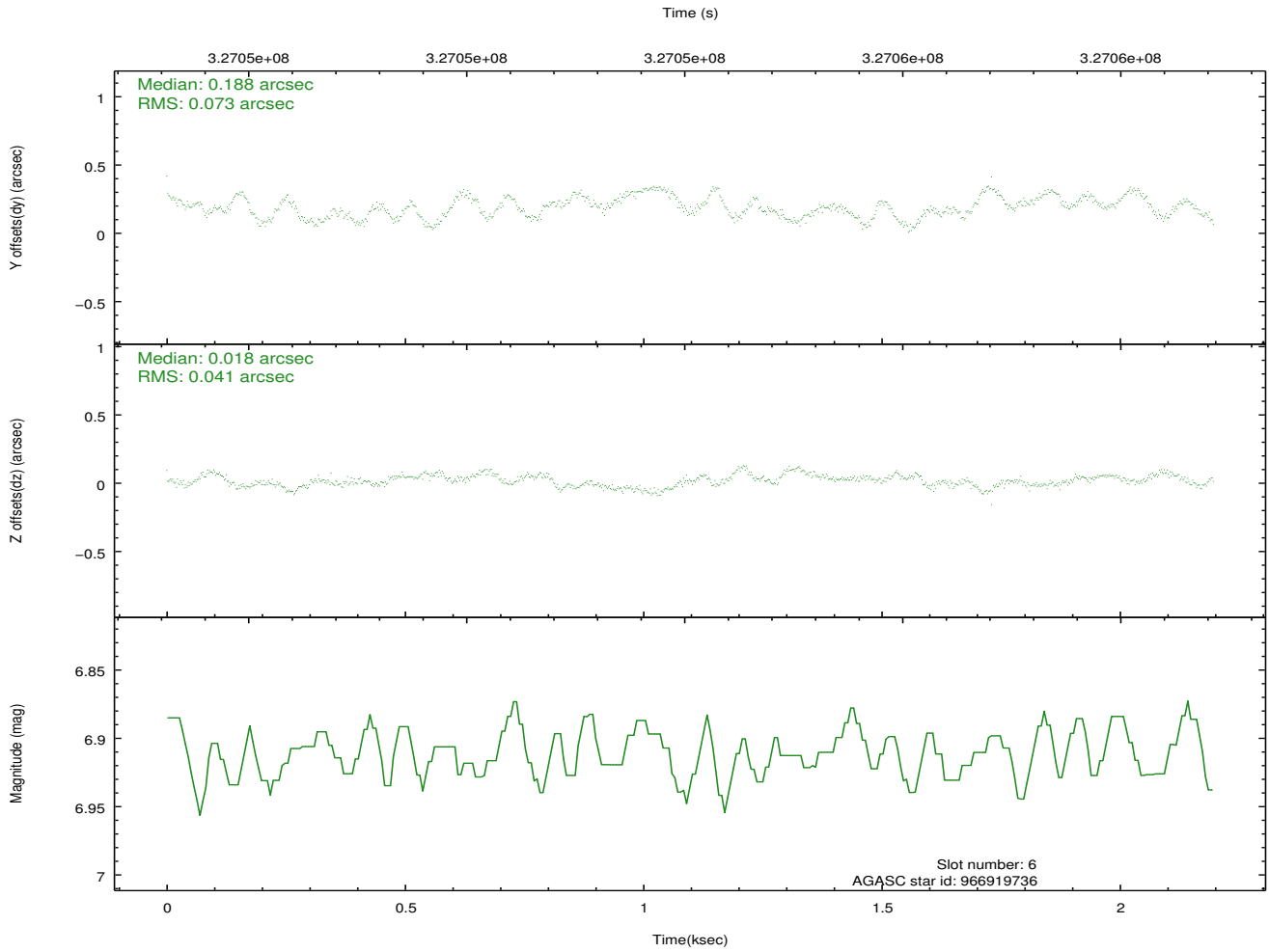
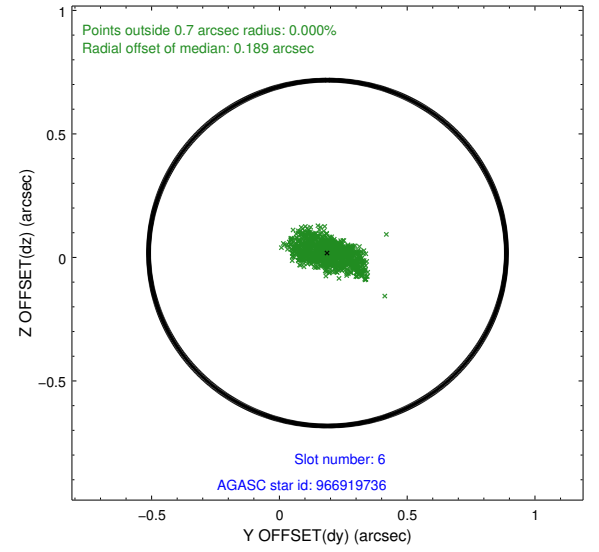
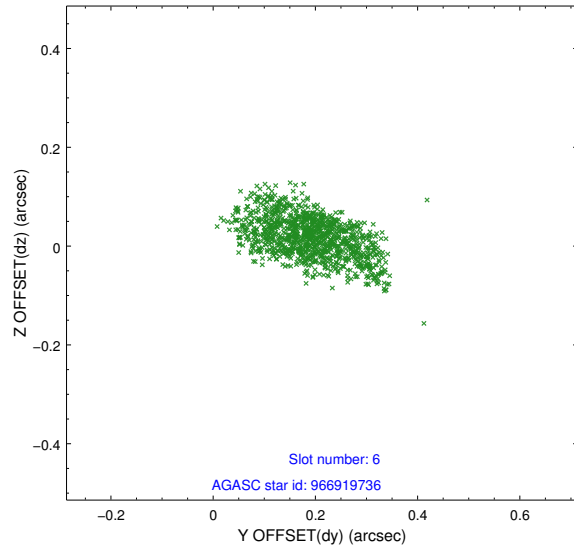
2.4.2 Slot 4



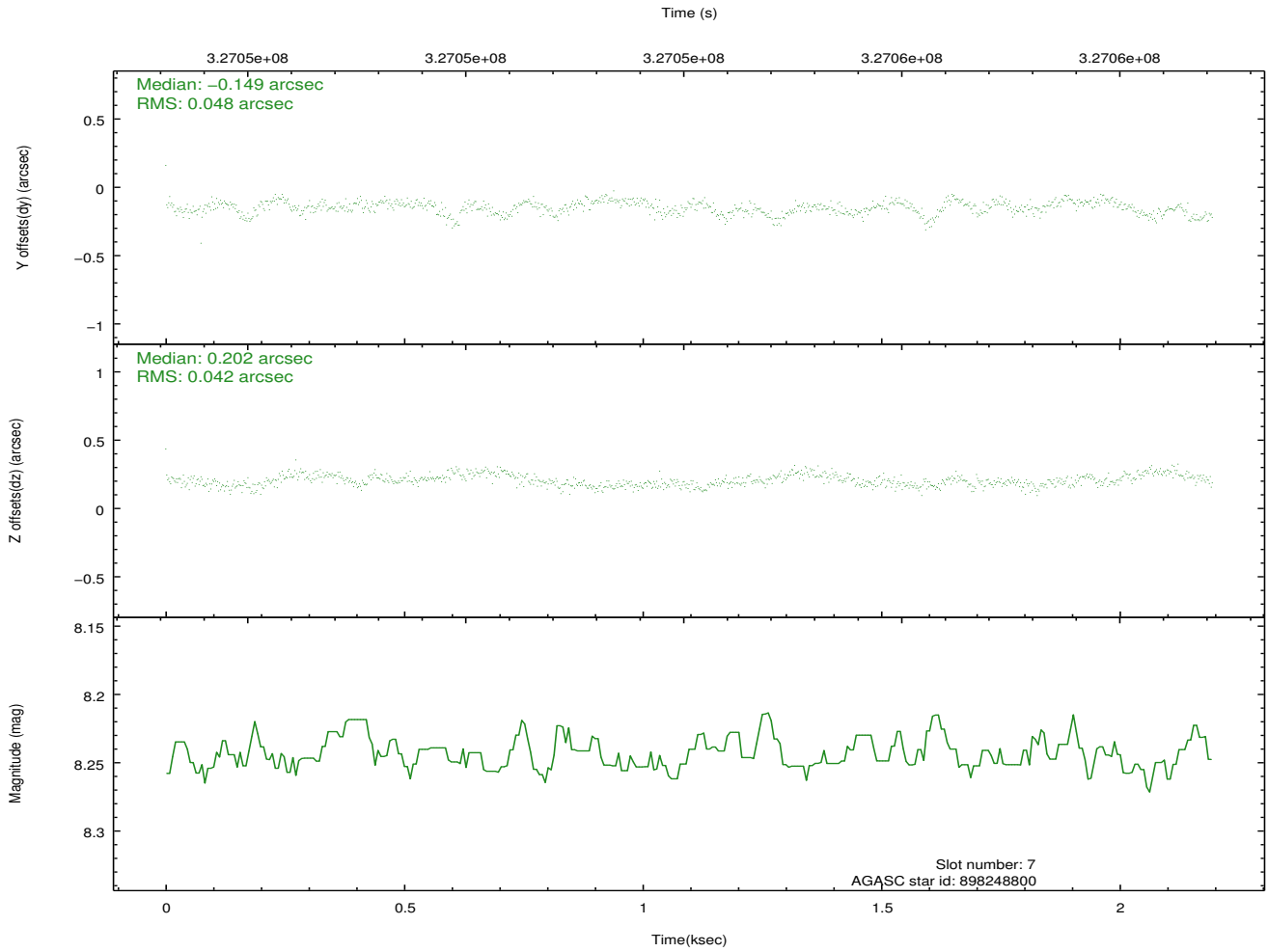
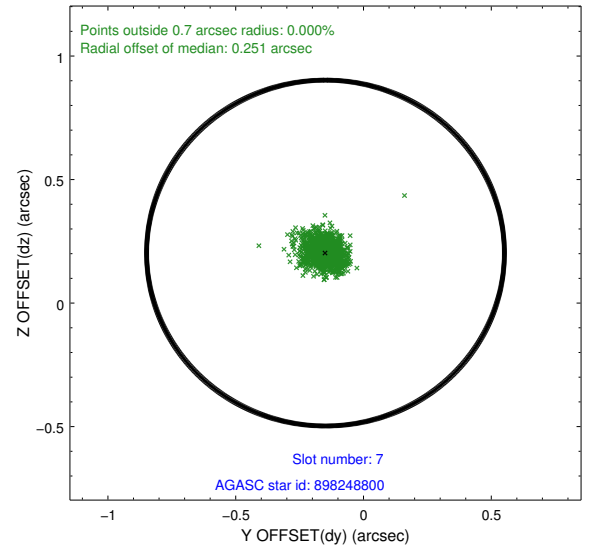
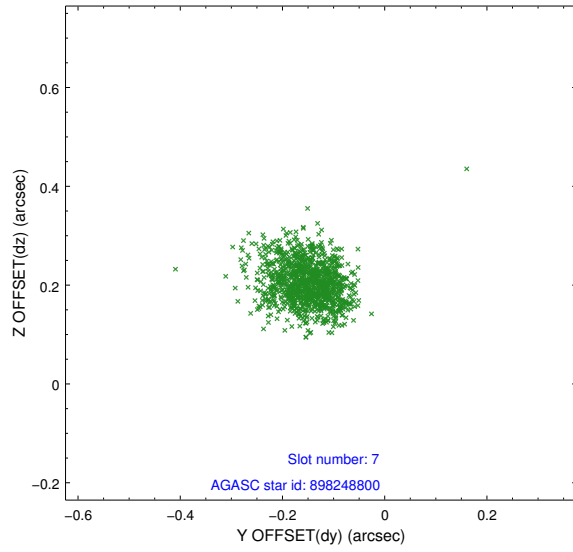
2.4.3 Slot 5



2.4.4 Slot 6

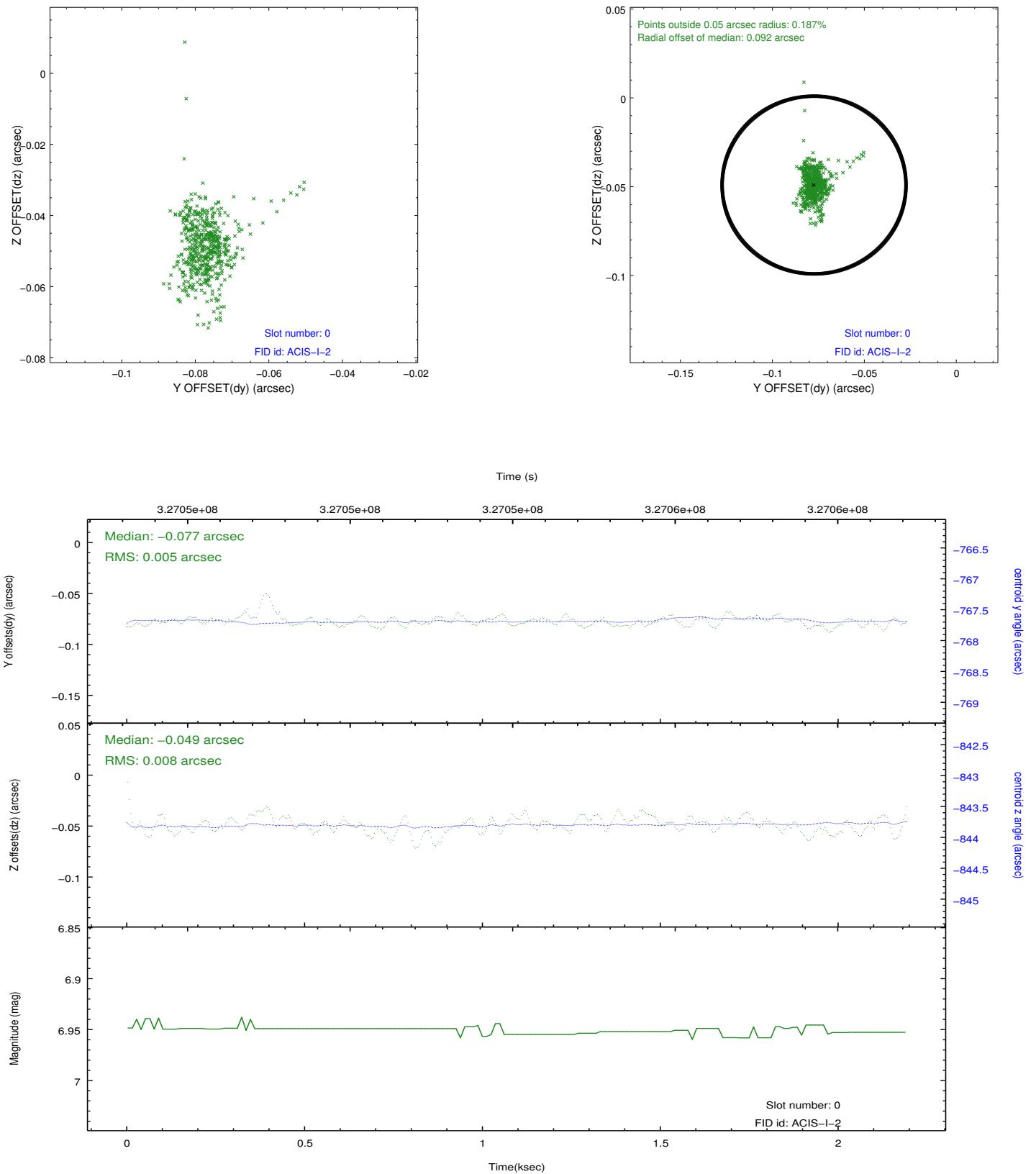


2.4.5 Slot 7

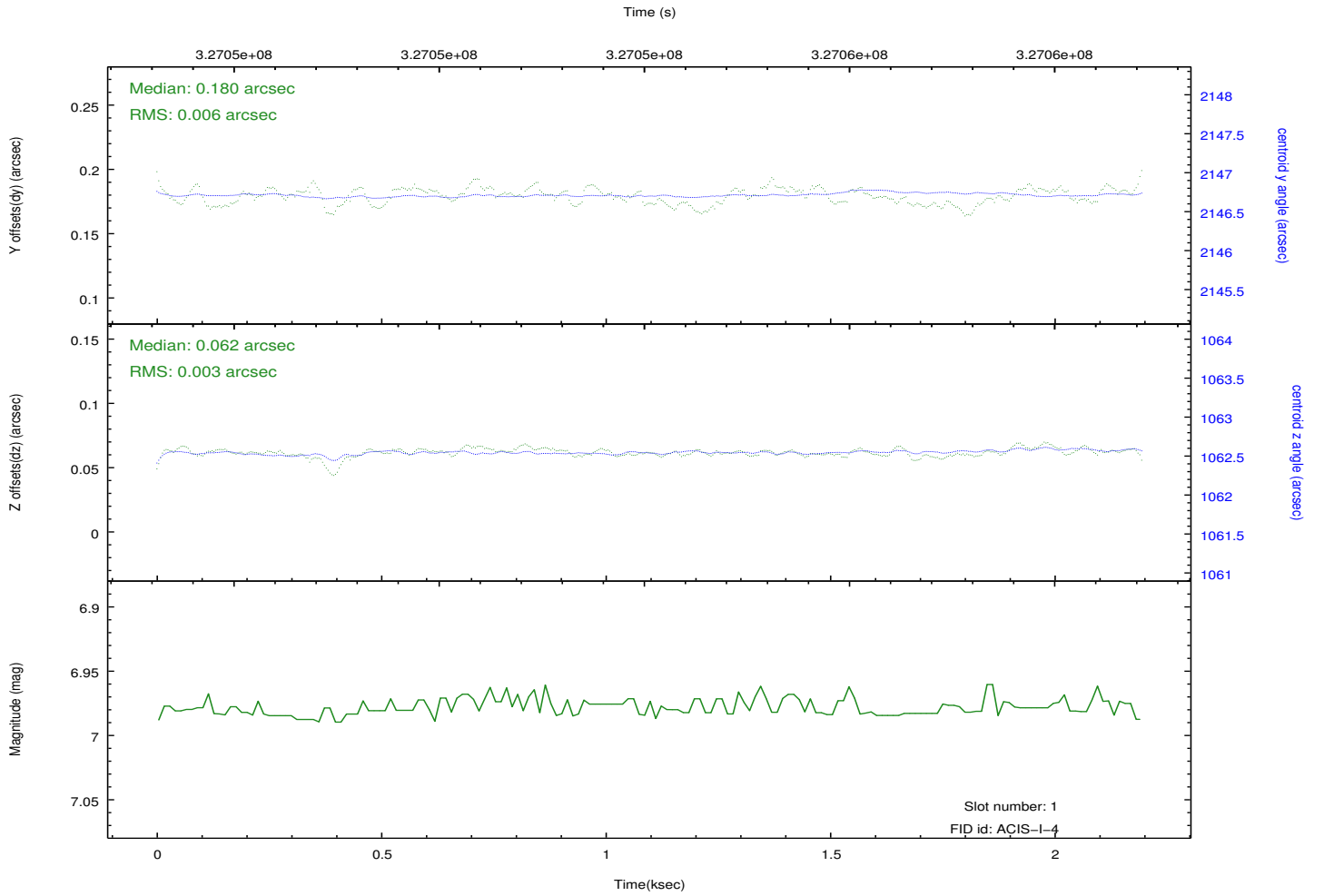
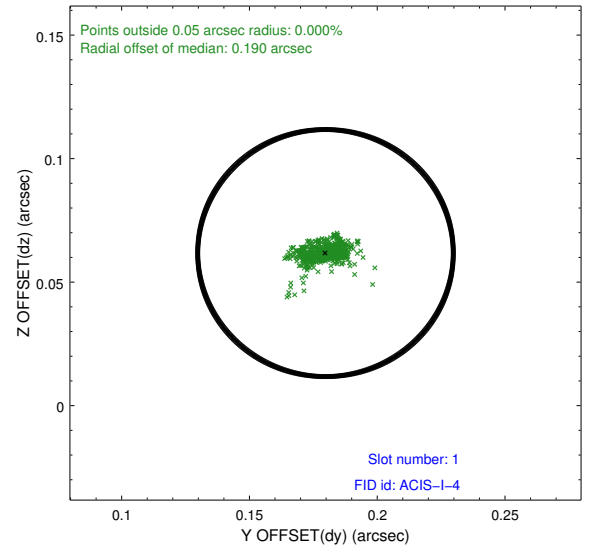
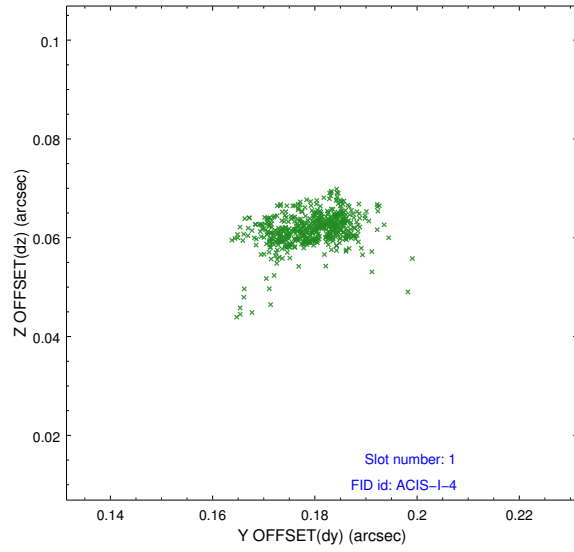


2.5 FID Slots

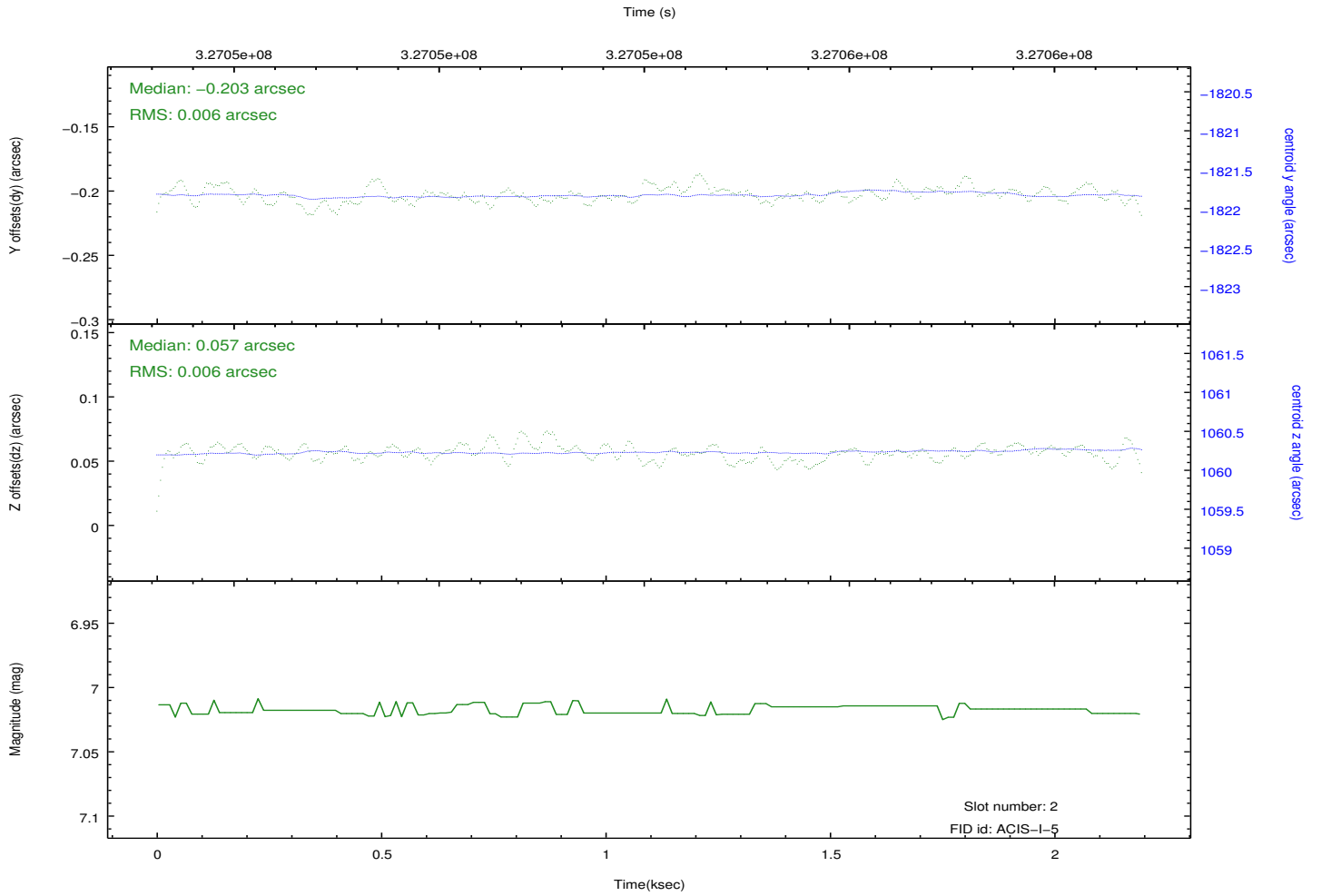
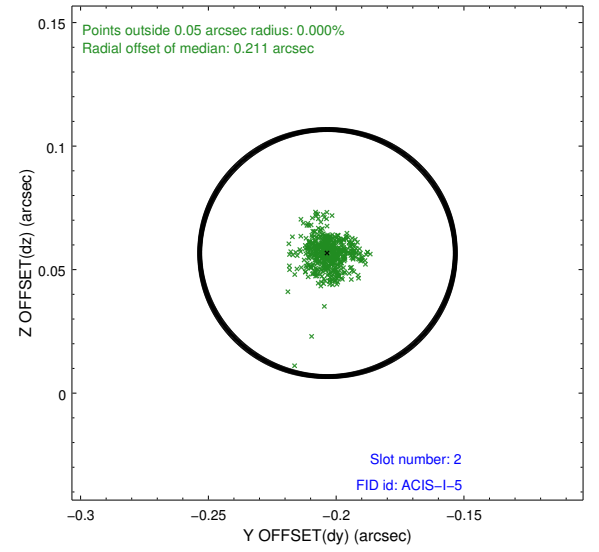
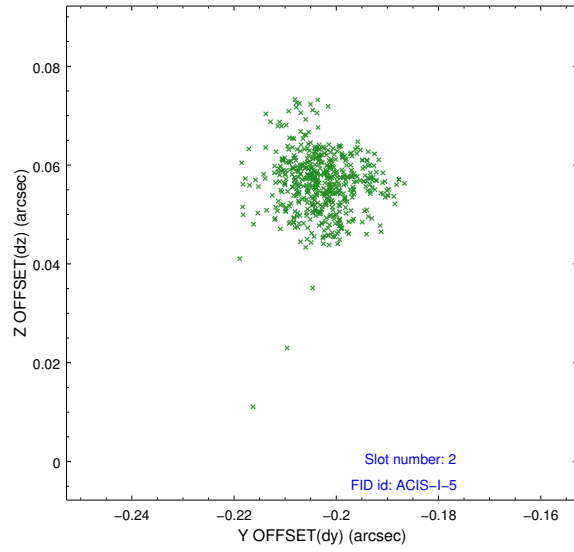
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.19480001

A.2 Comments

Joint proposal with NOAO.