

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8746 - L2 Version 2
Chandra X-Ray Center

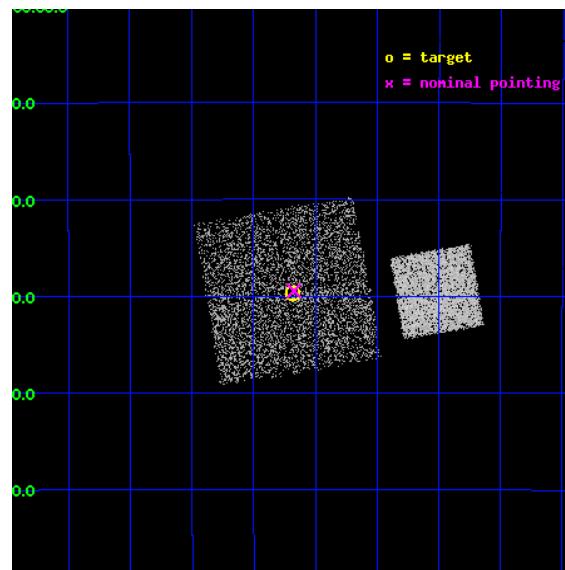
L2 Processing Date : May 14 2012

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1 Front

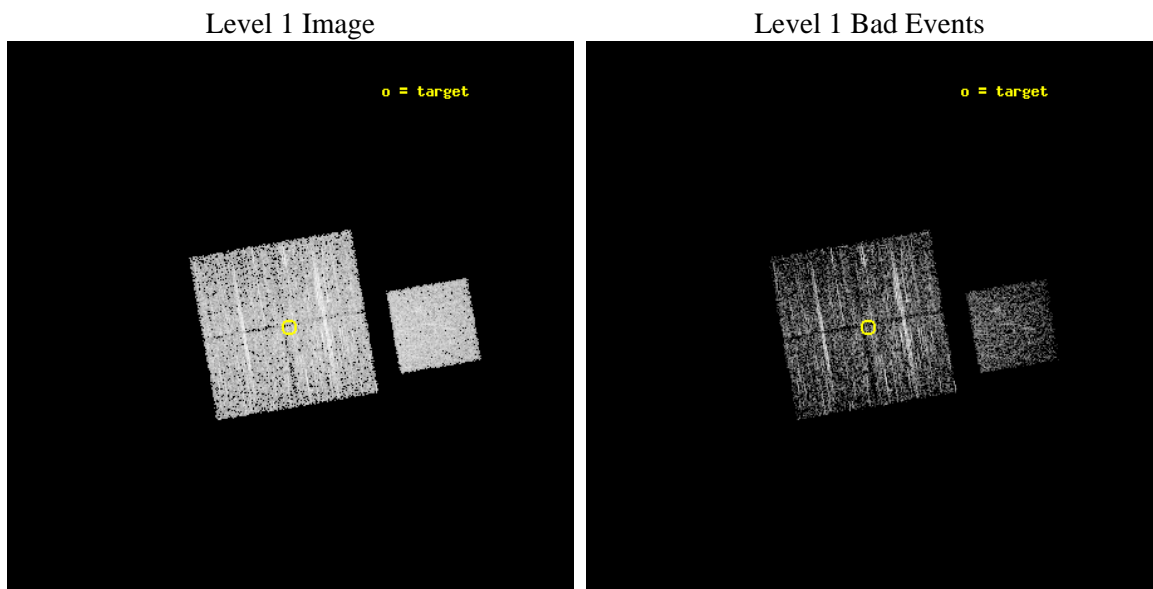
seq_num	400797	Sequence number
obs_id	8746	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.795525	Observer's specified target RA [deg]
dec_targ	-30.495633	Observer's specified target Dec [deg]
ra_nom	266.79351764075	Nominal RA [deg]
dec_nom	-30.490924631915	Nominal Dec [deg]
roll_nom	80.207687196681	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15403	Number of level 2 events



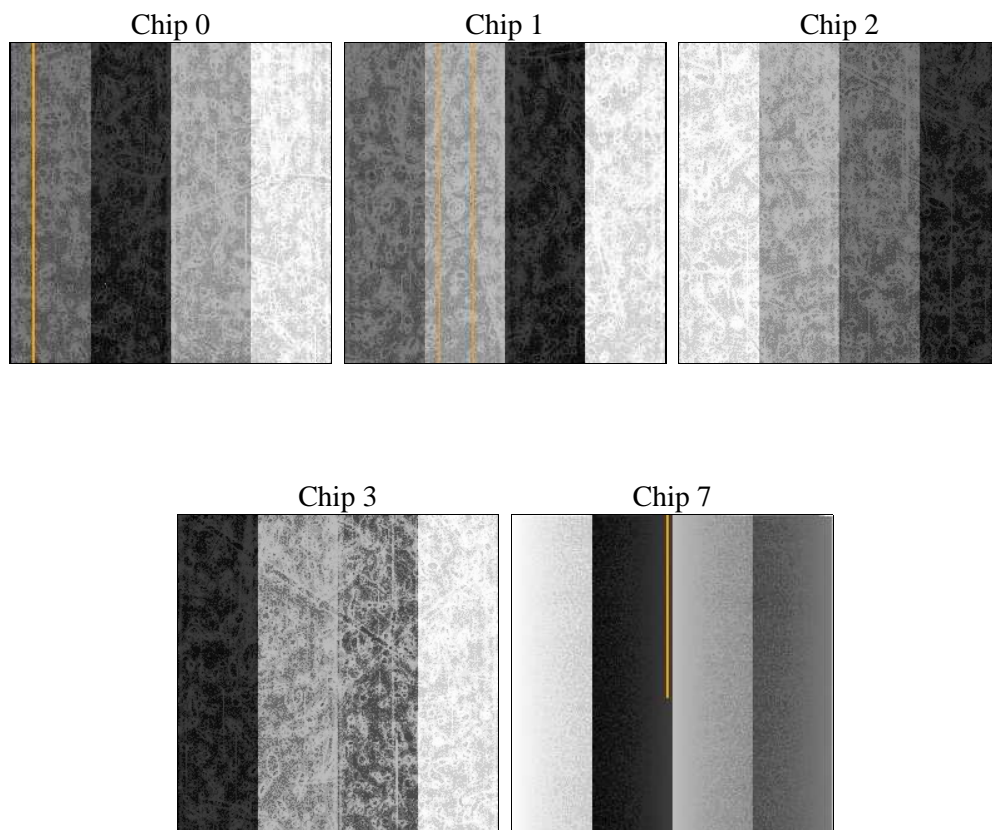
2 OBI

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	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-14T23:36:55	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	100250	Number of level 1 events

2.1.4 Events

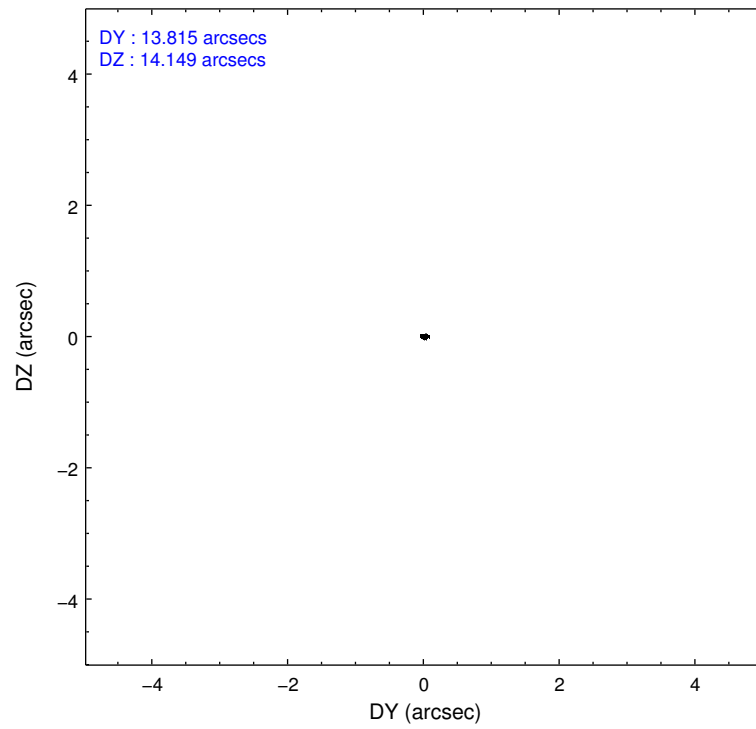
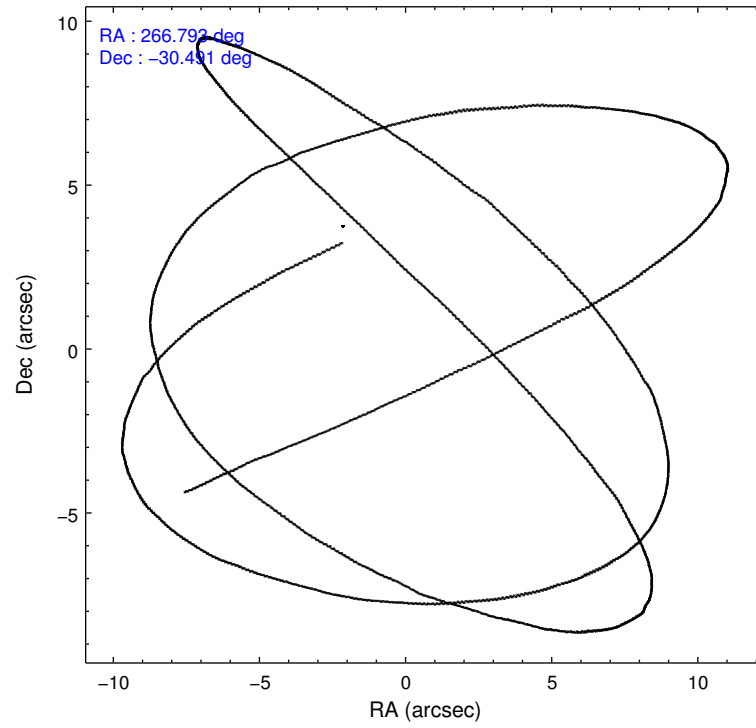
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	16938	17911	21008	21360	23033
rejected events	15078	15656	19022	19447	13970
rejected %	89%	87%	90%	91%	60%

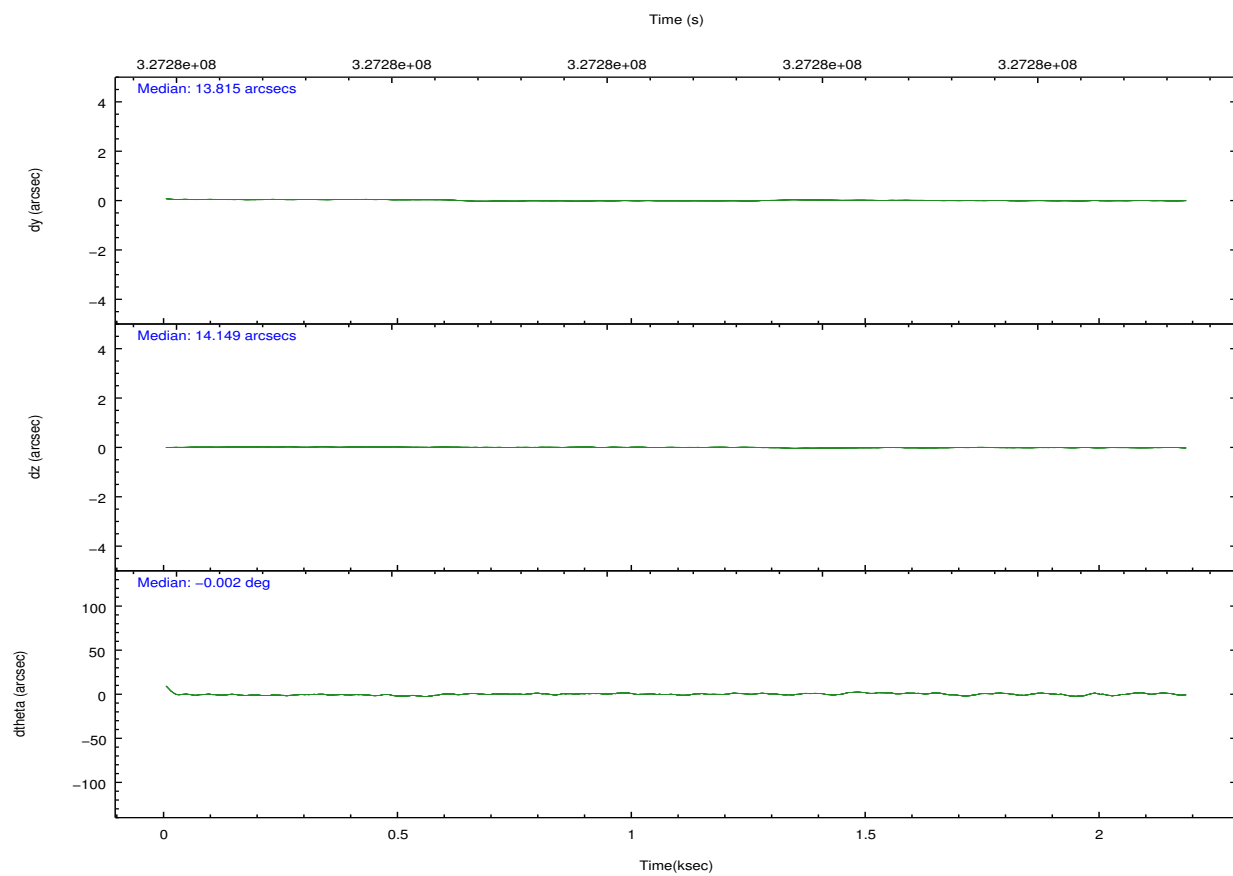
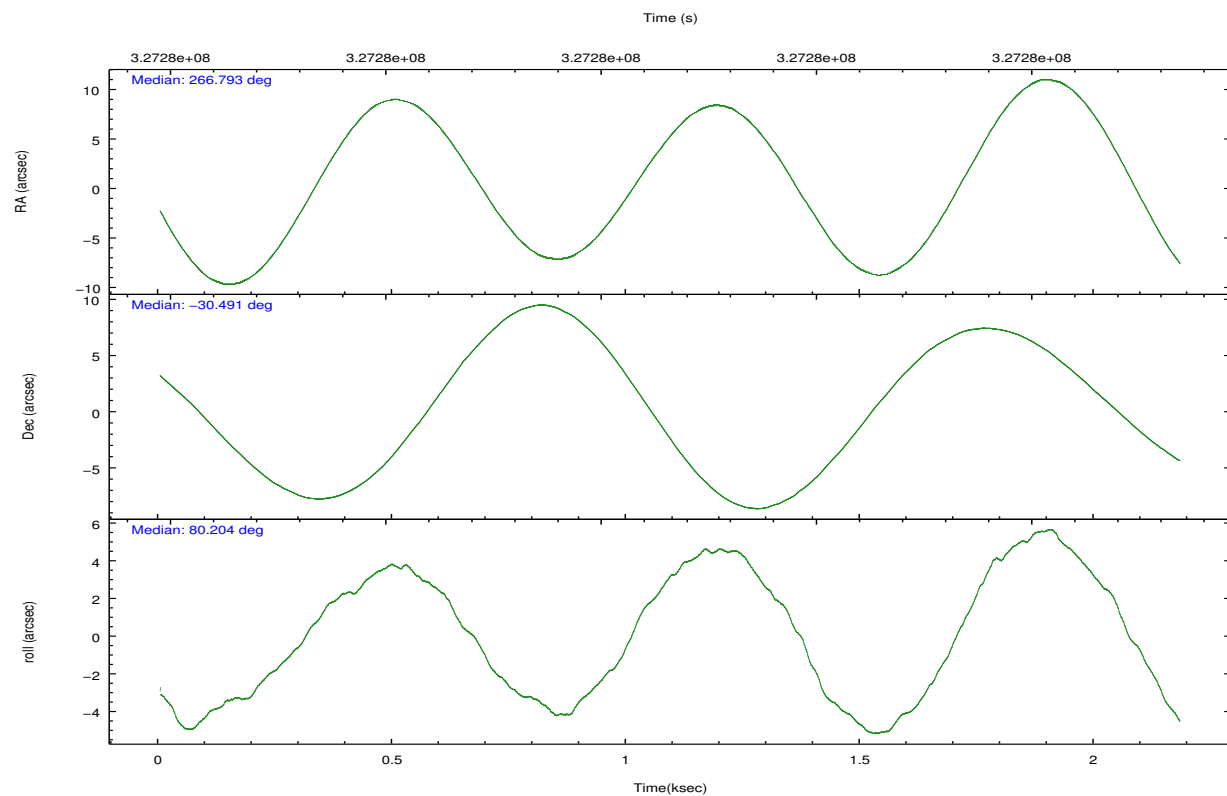
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	879	1044	934	948	1003
	5%	5%	4%	4%	4%
grade 1 events	7	16	16	18	30
	0%	0%	0%	0%	0%
grade 2 events	532	540	487	448	2183
	3%	3%	2%	2%	9%
grade 3 events	204	256	224	213	961
	1%	1%	1%	0%	4%
grade 4 events	209	255	241	192	964
	1%	1%	1%	0%	4%
grade 5 events	652	724	662	861	2392
	3%	4%	3%	4%	10%
grade 6 events	333	488	382	412	5368
	1%	2%	1%	1%	23%
grade 7 events	14122	14588	18062	18268	10132
	83%	81%	85%	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	266.804766	266.7935176407475	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.516665	-30.49092463191458	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004693	80.20768719668138	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)	327275259.184000	327274883.44853	CCD S5 on	N	N
Observation start date	2008-05-15T21:46:34	2008-05-15T21:41:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327277259.184000	327277393.16115	On-chip summing requested	N	N
Observation end date	2008-05-15T22:19:54	2008-05-15T22:23:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



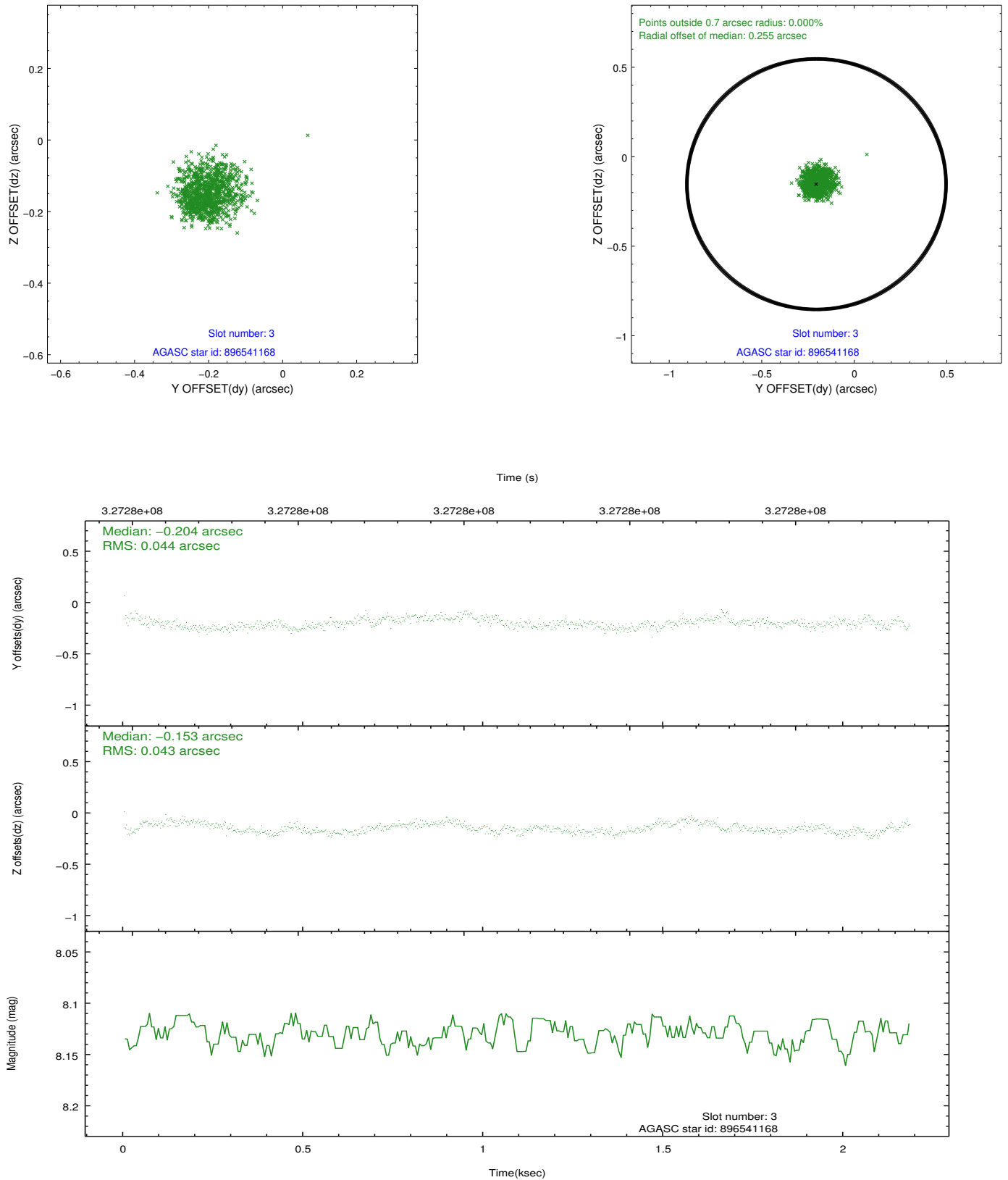


Slot Statistics

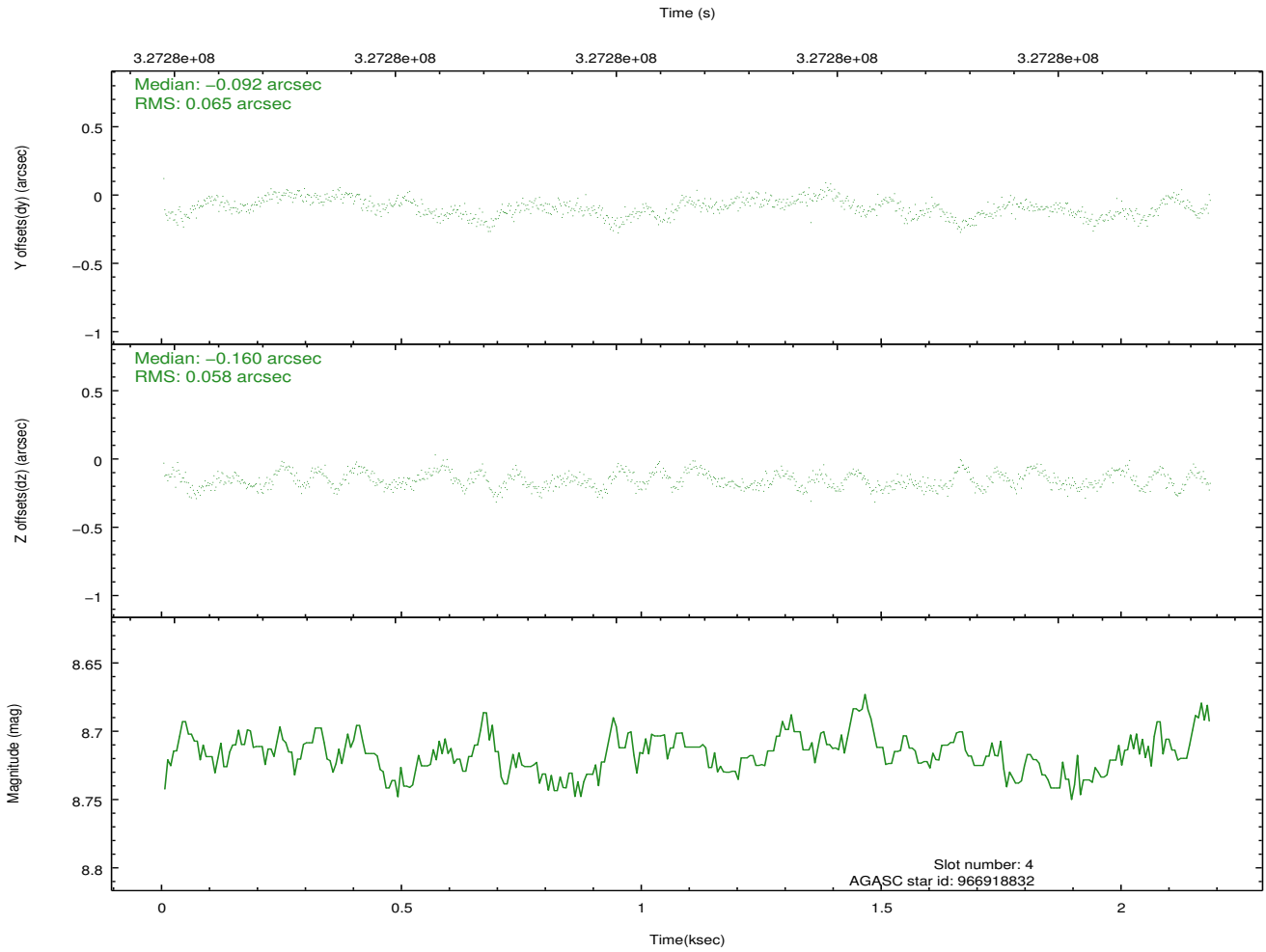
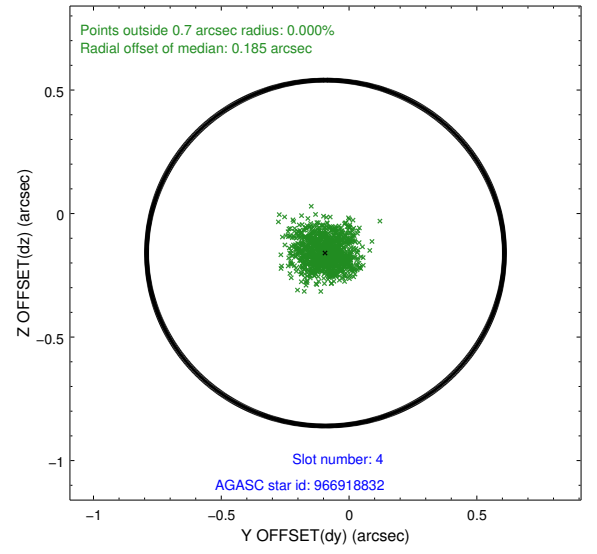
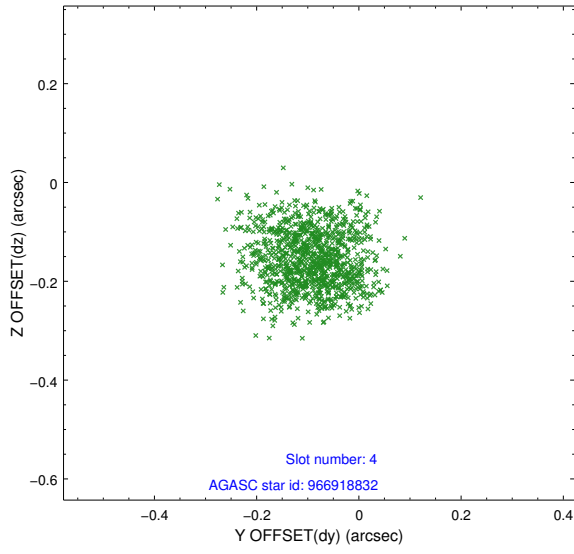
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	532	-0.160	-0.084	0.007	0.013	0.000000	0.000000	-768.67	-844.17
1	FID	ACIS-I-4	6.96	532	0.078	0.095	0.008	0.014	0.000000	0.000000	2144.27	1060.66
2	FID	ACIS-I-6	7.04	532	-0.018	0.053	0.010	0.018	0.000000	0.000000	395.40	1706.21
3	GUIDE	896541168	8.13	1064	-0.204	-0.153	0.066	0.103	266.319970	-29.850801	2094.65	1906.27
4	GUIDE	966918832	8.72	1064	-0.092	-0.160	0.095	0.146	266.278876	-30.183148	896.66	1820.98
5	GUIDE	966925384	8.13	1065	0.089	0.282	0.062	0.095	267.457106	-30.882477	-951.59	-2212.72
6	GUIDE	966925512	8.26	1065	0.124	-0.144	0.056	0.091	266.373606	-31.056700	-2148.66	969.18
7	GUIDE	966927000	8.15	1063	0.085	0.172	0.070	0.110	267.318997	-31.255021	-2348.26	-2019.87

2.4 Star Slots

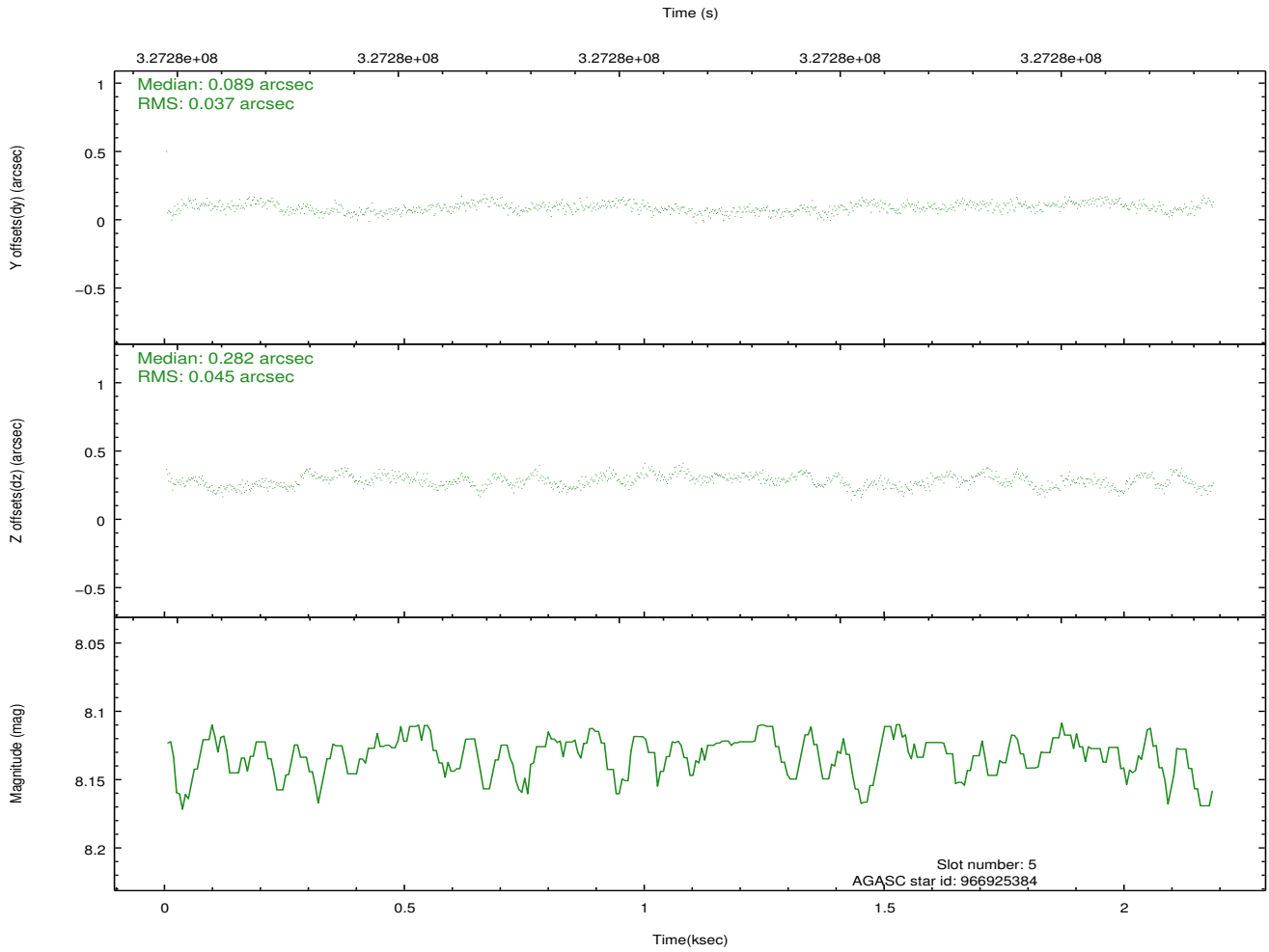
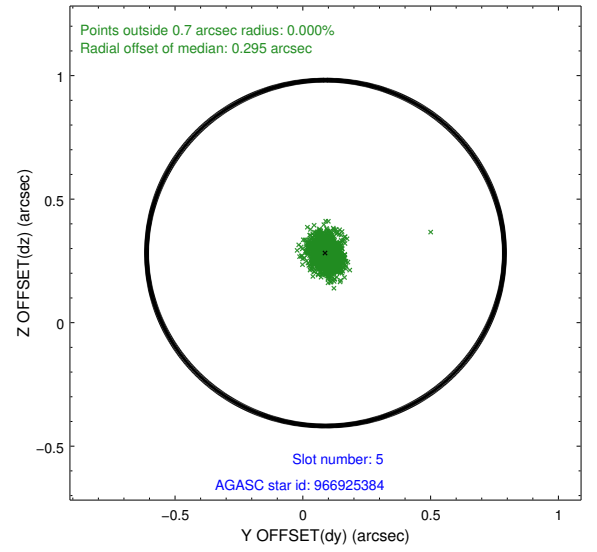
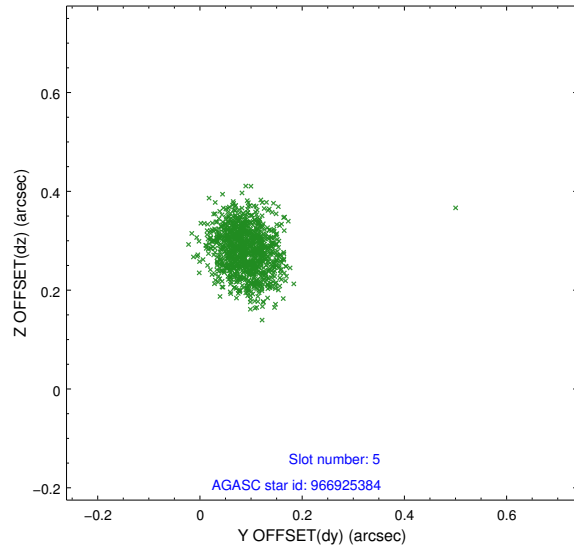
2.4.1 Slot 3



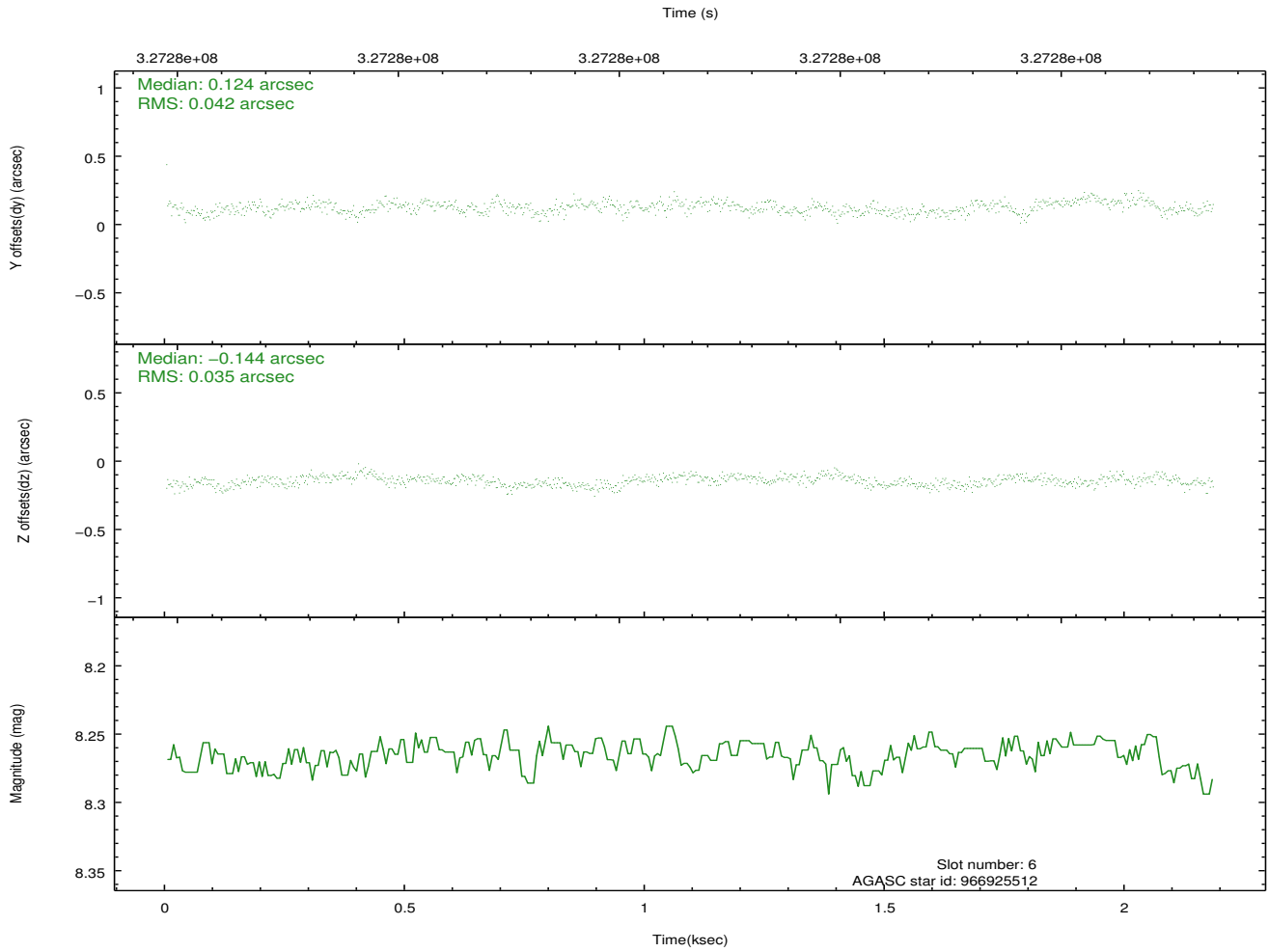
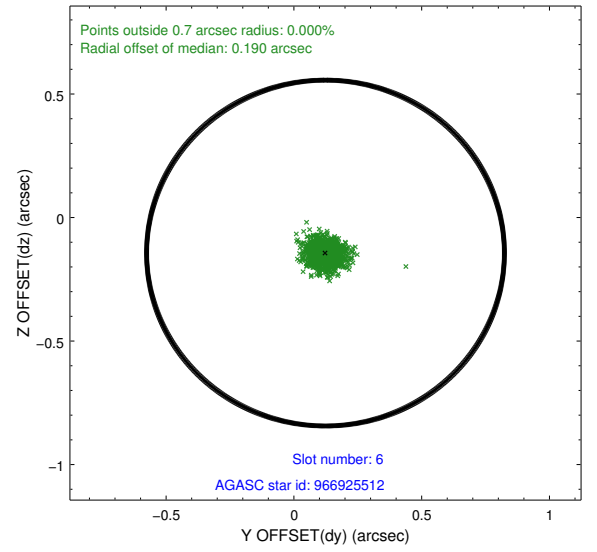
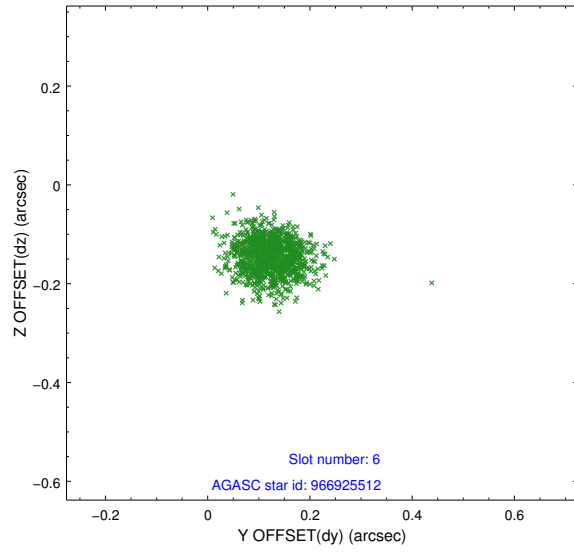
2.4.2 Slot 4



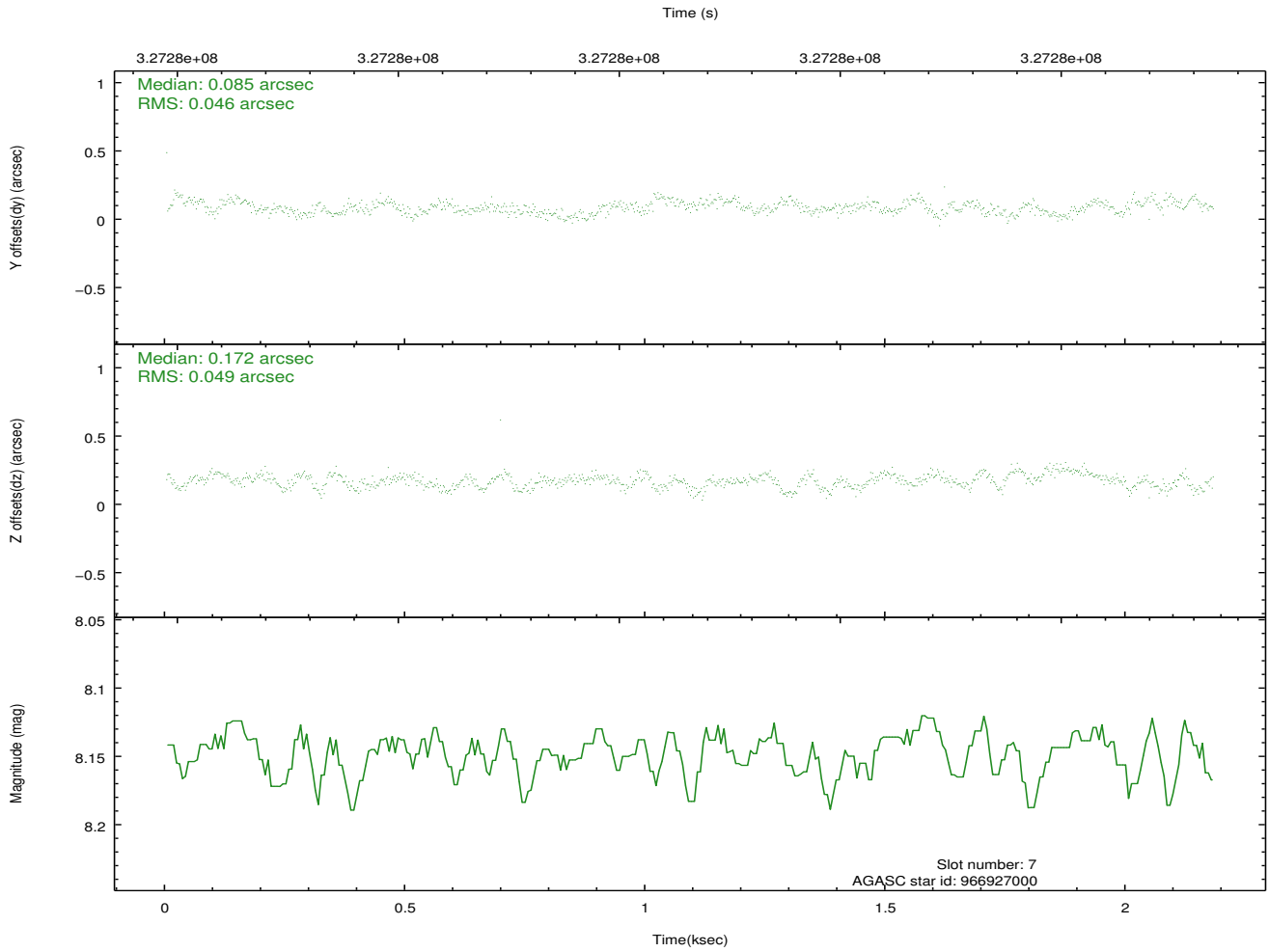
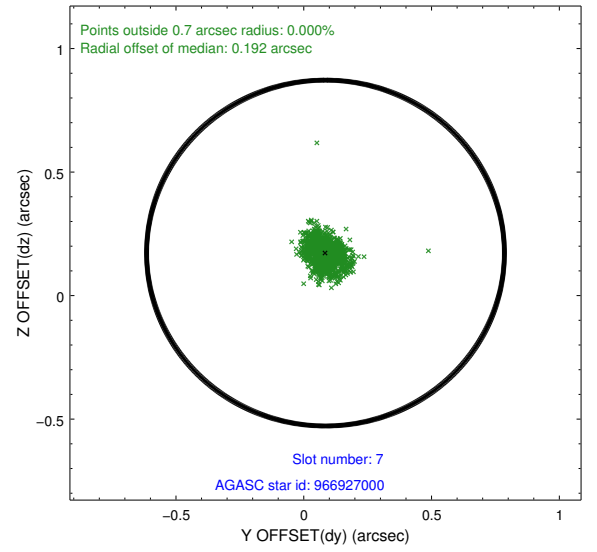
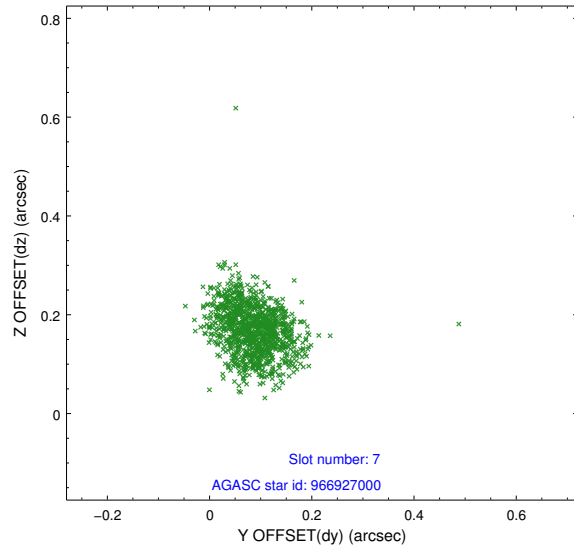
2.4.3 Slot 5



2.4.4 Slot 6

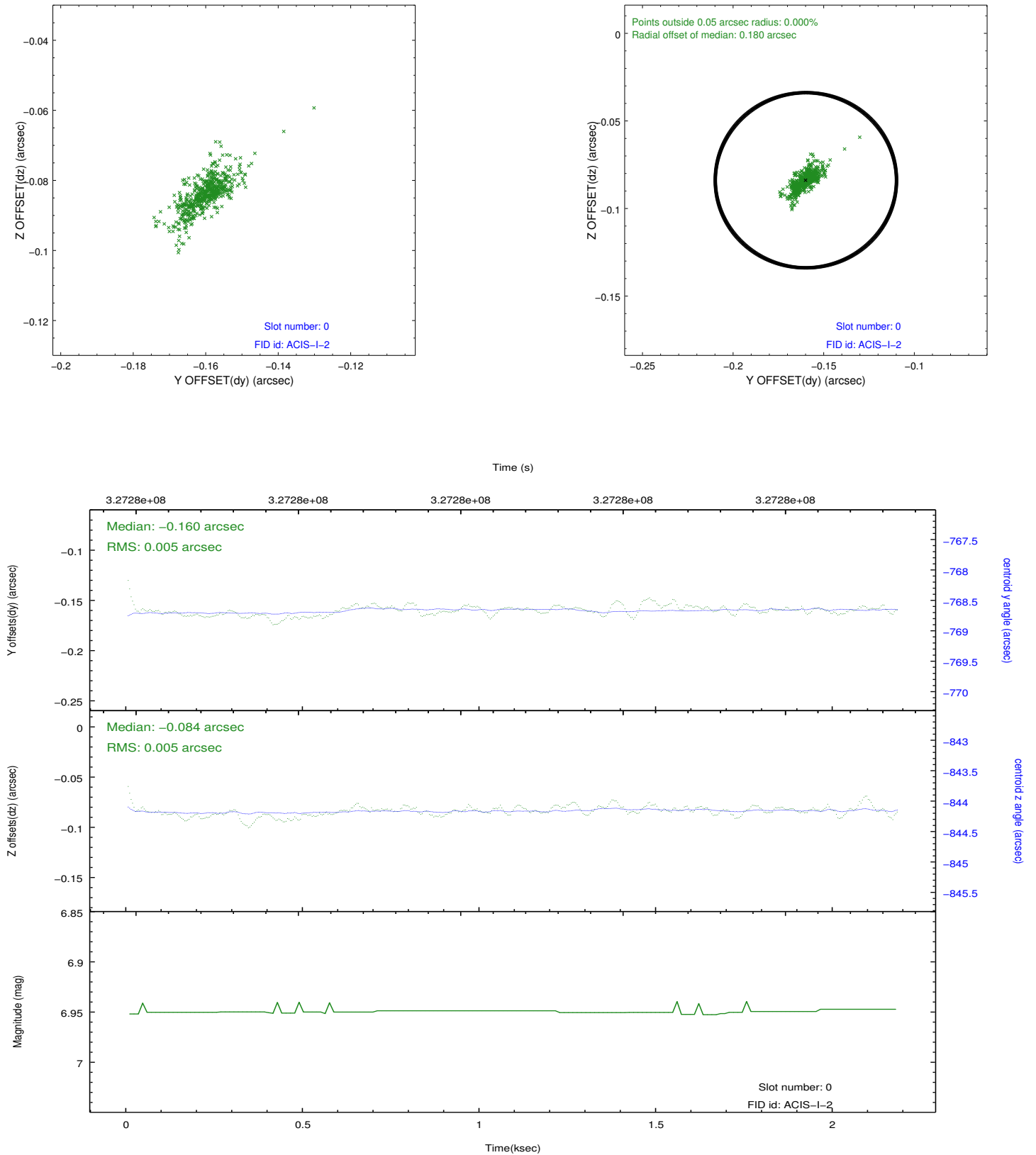


2.4.5 Slot 7

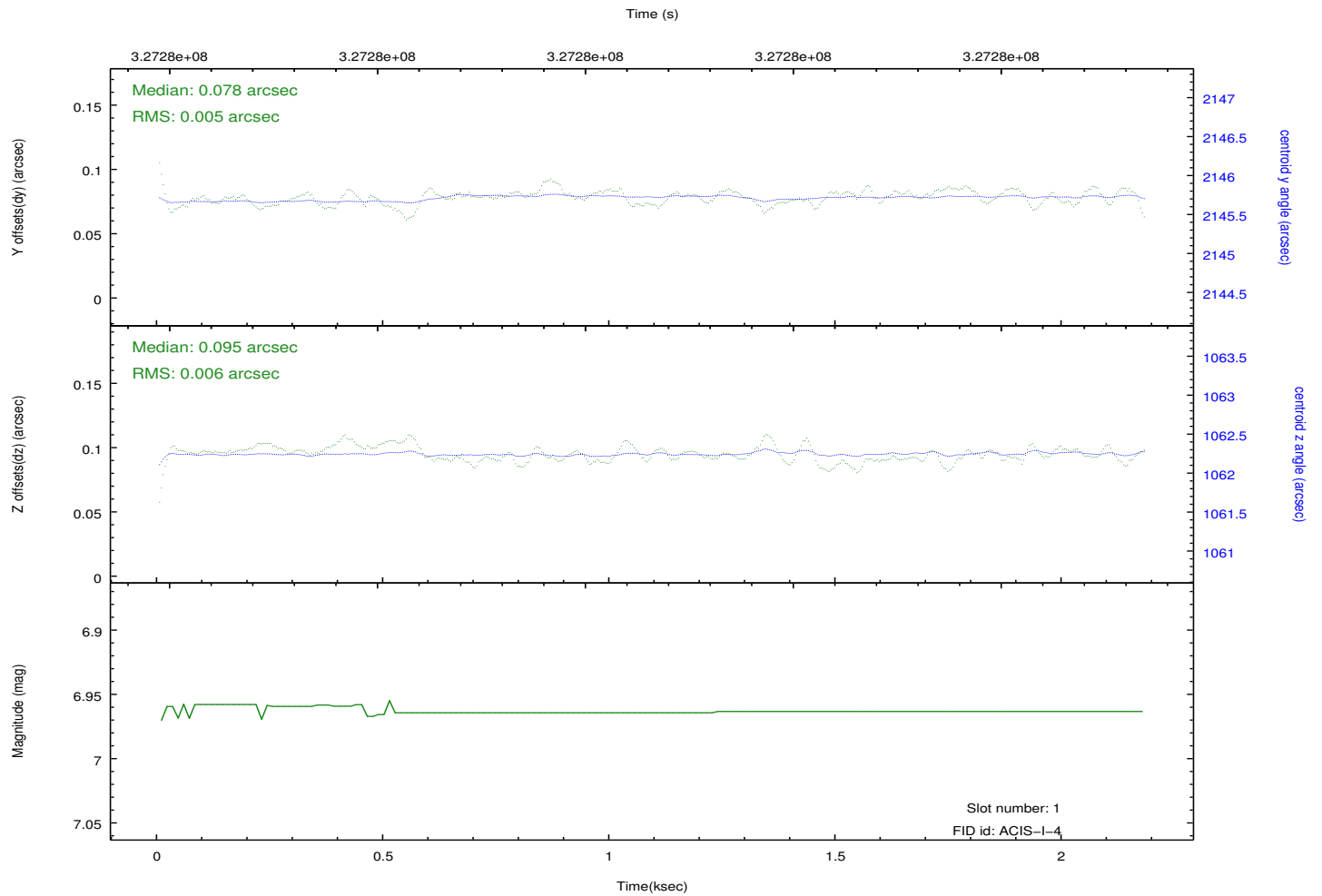
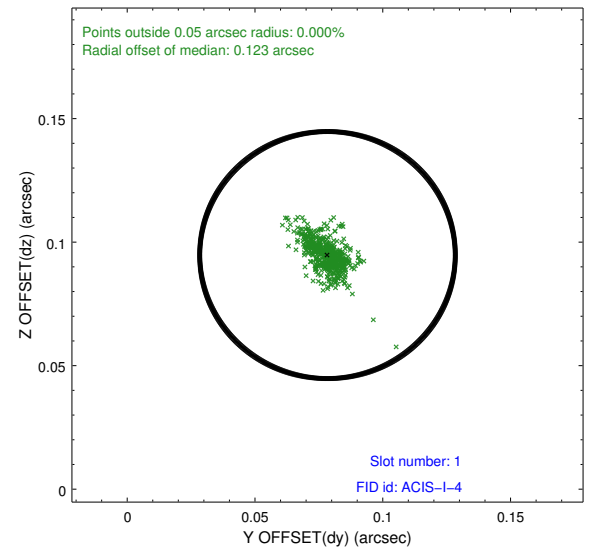
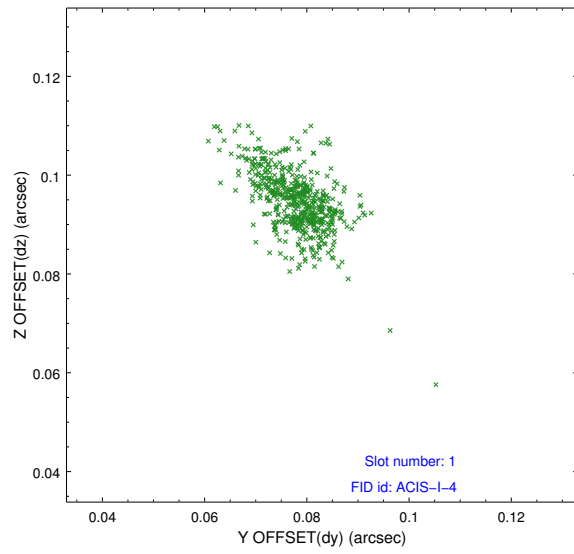


2.5 FID Slots

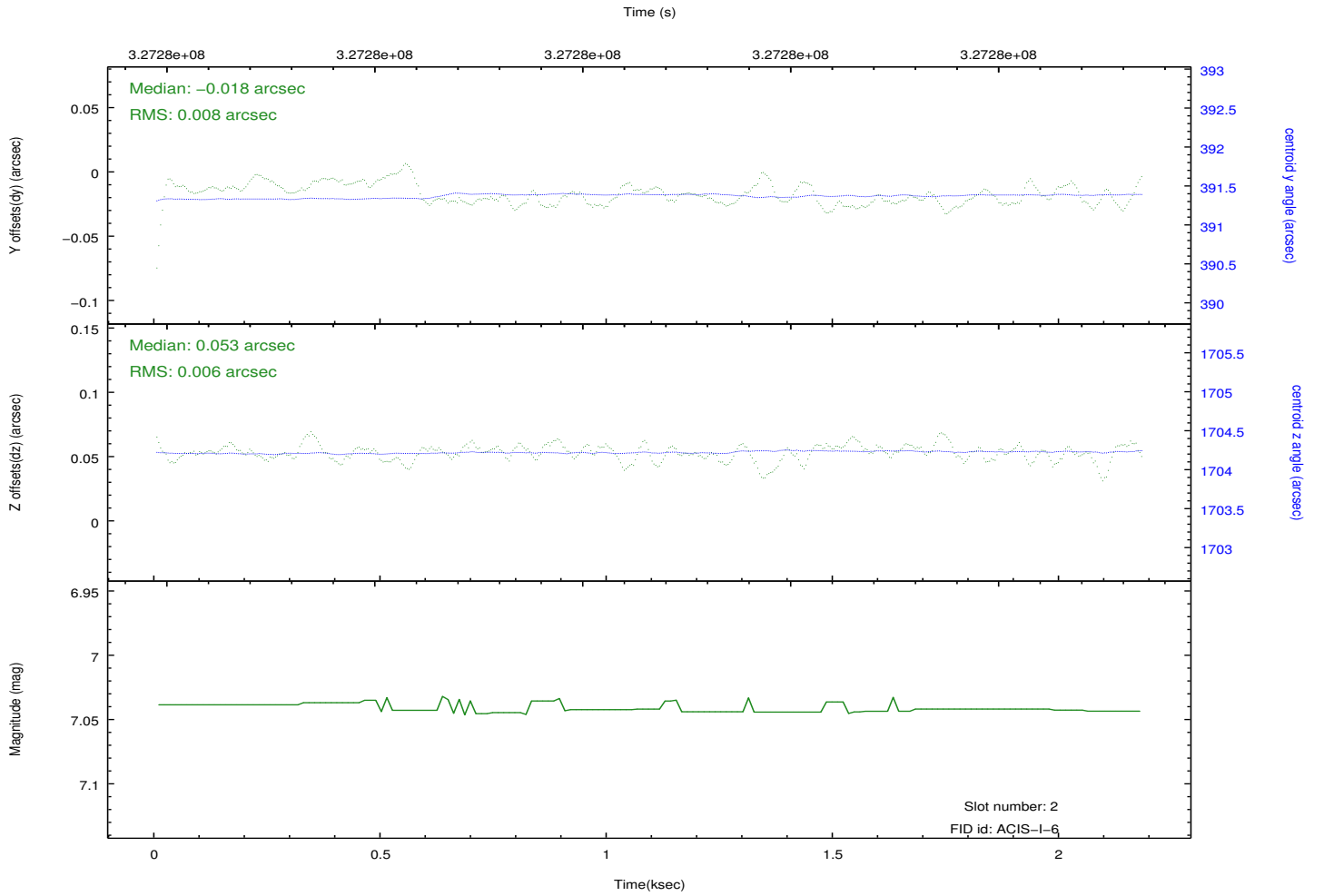
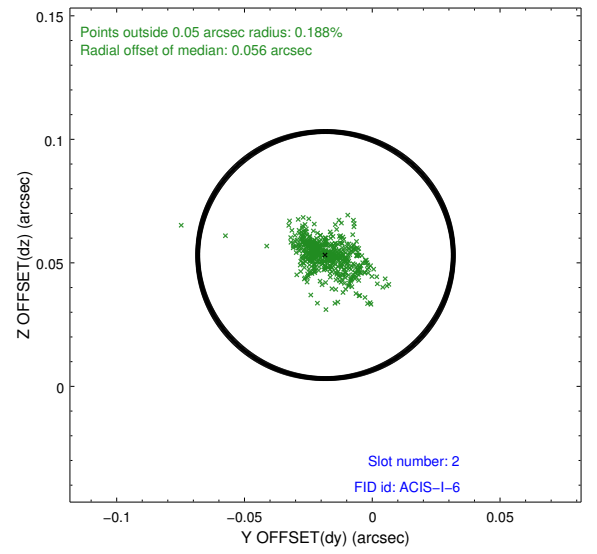
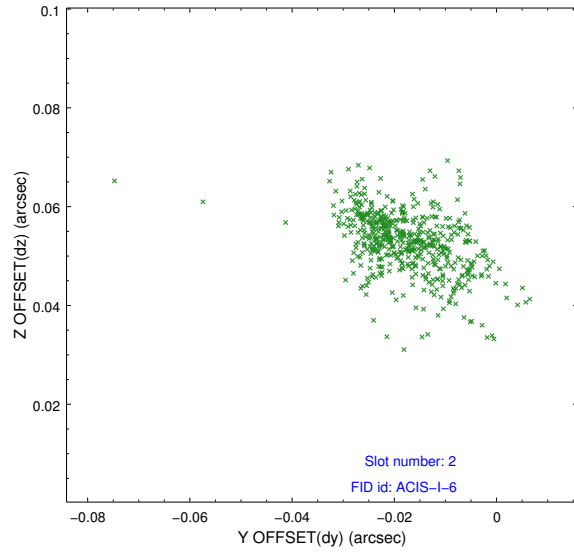
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal with NOAO.