

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8766 - L2 Version 2
Chandra X-Ray Center

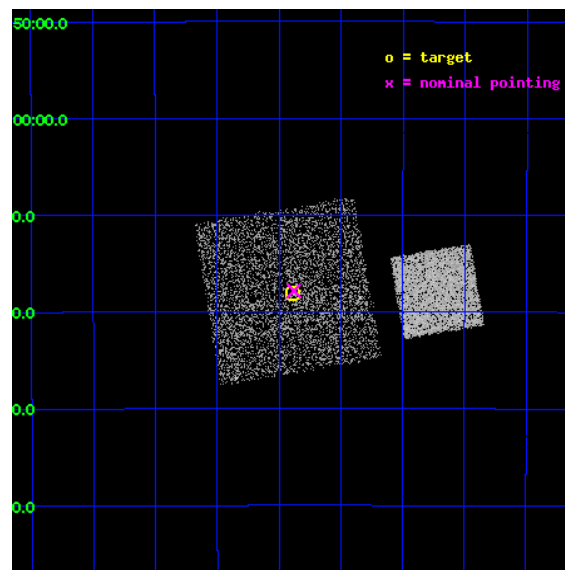
L2 Processing Date : May 14 2012

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1 Front

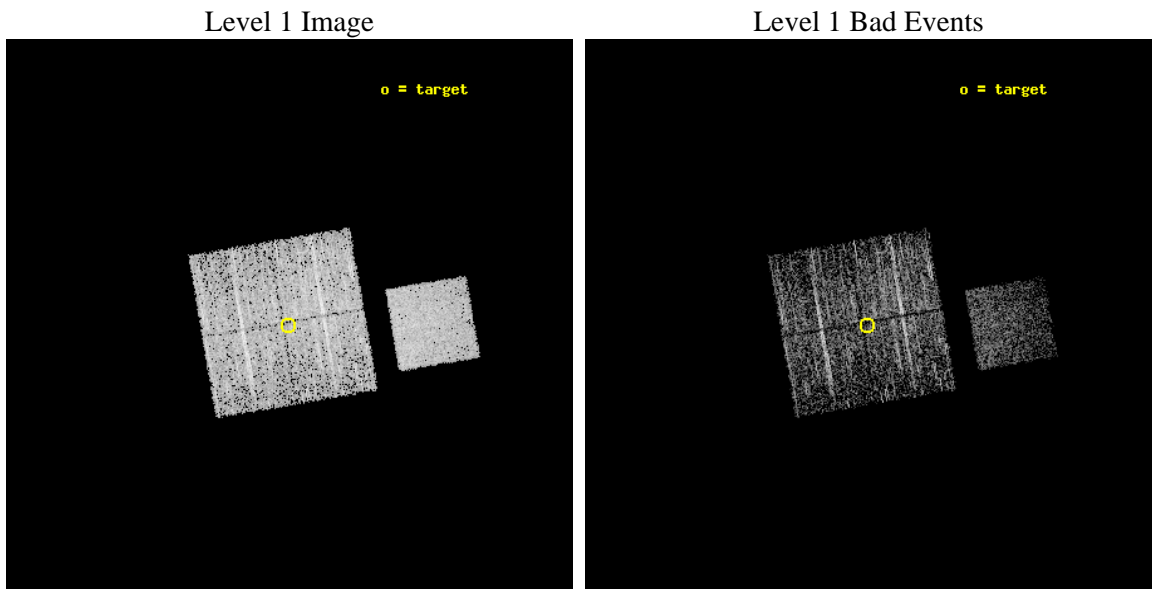
seq_num	400817	Sequence number
obs_id	8766	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.471748	Observer's specified target RA [deg]
dec_targ	-30.30205	Observer's specified target Dec [deg]
ra_nom	267.46986296512	Nominal RA [deg]
dec_nom	-30.297245555393	Nominal Dec [deg]
roll_nom	80.207754267587	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	16003	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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-05-14T23:20:18	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	100532	Number of level 1 events

2.1.4 Events

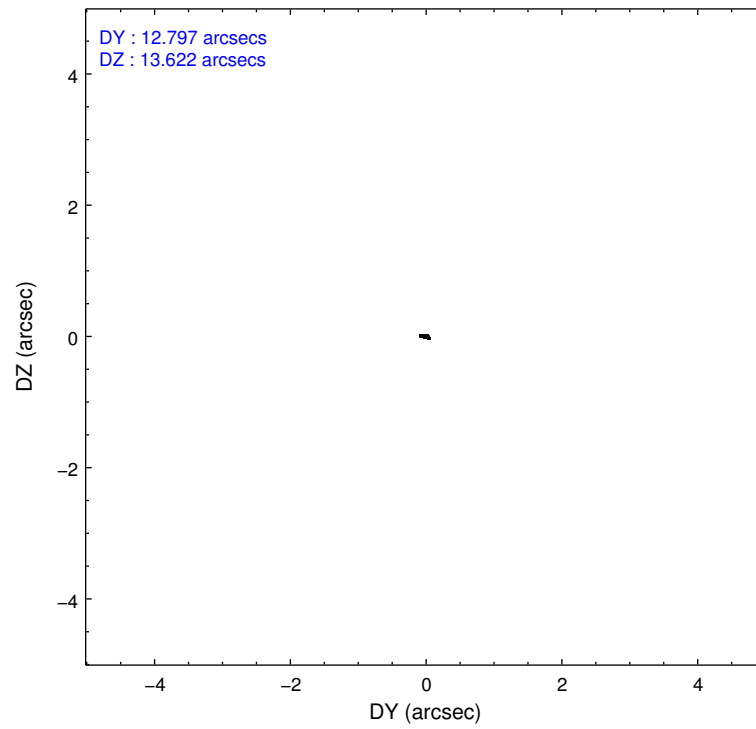
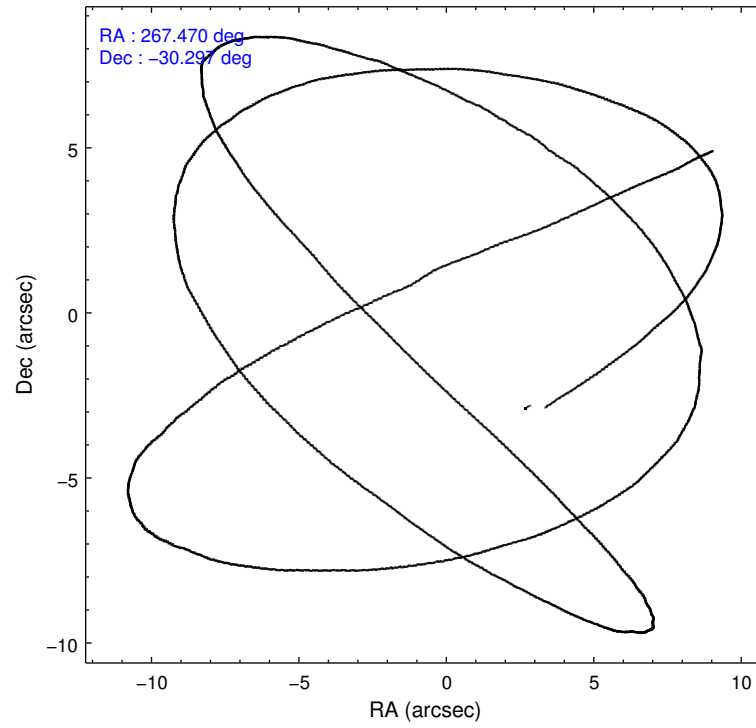
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18534	18080	22352	18802	22764
rejected events	16489	15789	20269	16792	13543
rejected %	88%	87%	90%	89%	59%

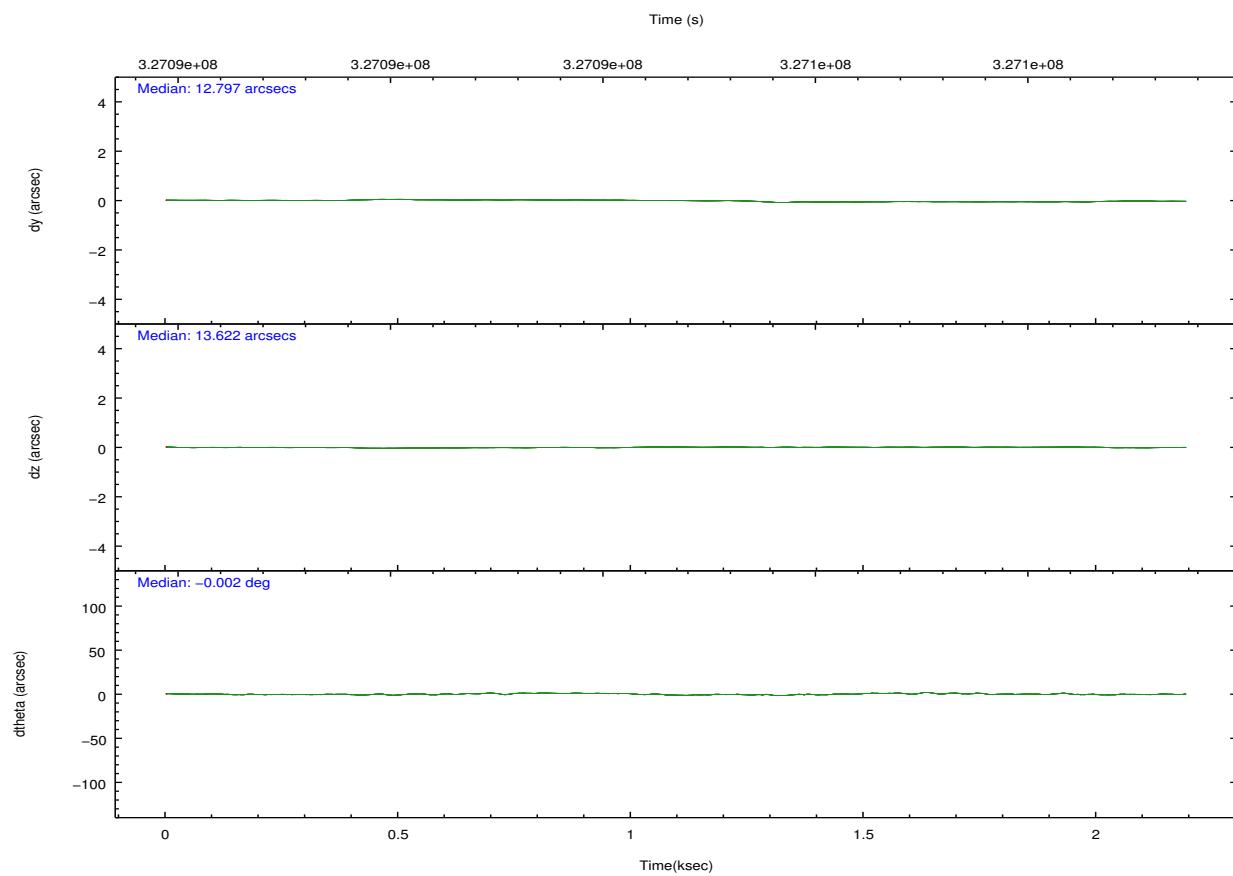
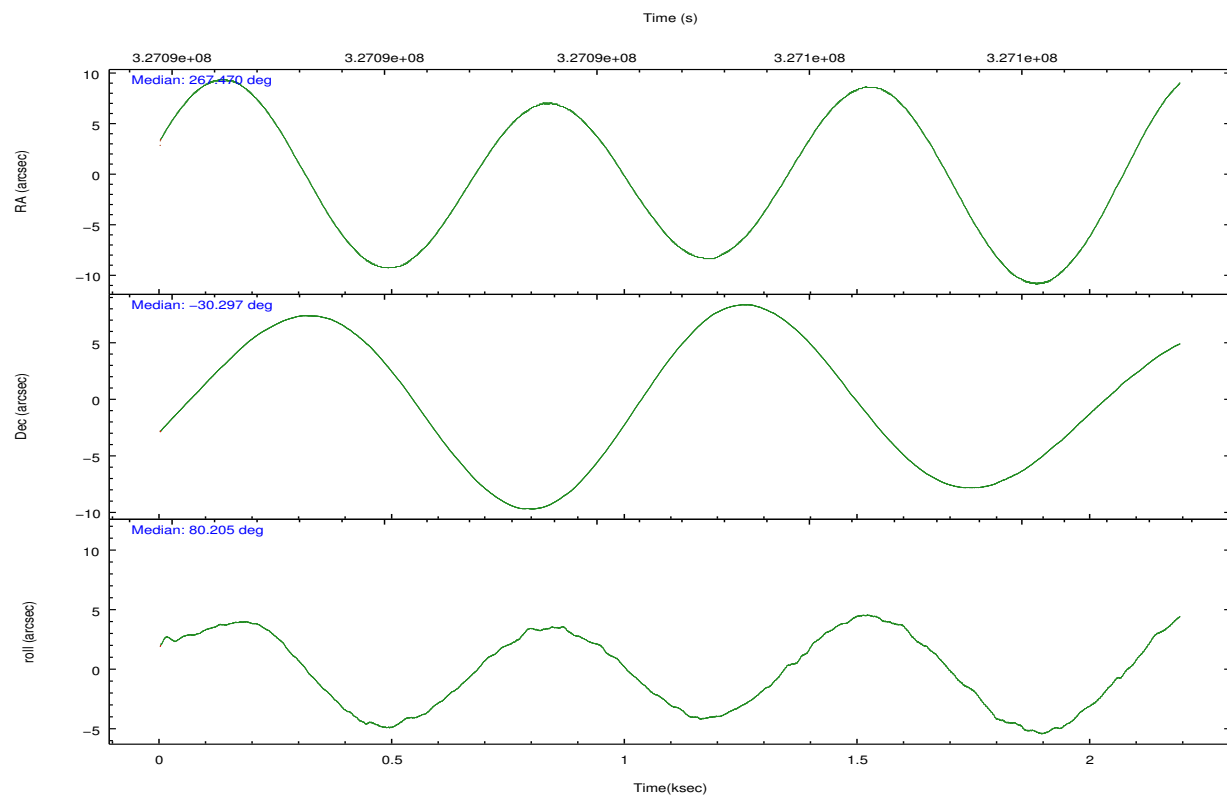
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1003	1098	1040	993	1016
	5%	6%	4%	5%	4%
grade 1 events	15	12	13	9	36
	0%	0%	0%	0%	0%
grade 2 events	513	529	490	432	2142
	2%	2%	2%	2%	9%
grade 3 events	240	252	202	229	976
	1%	1%	0%	1%	4%
grade 4 events	198	292	242	232	931
	1%	1%	1%	1%	4%
grade 5 events	699	762	657	719	2425
	3%	4%	2%	3%	10%
grade 6 events	371	452	400	428	5497
	2%	2%	1%	2%	24%
grade 7 events	15495	14683	19308	15760	9741
	83%	81%	86%	83%	42%

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	267.480979	267.469862965122	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.323087	-30.29724555539318	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004665	80.20775426758728	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)	327093762.184000	327093385.66468	CCD S5 on	N	N
Observation start date	2008-05-13T19:21:37	2008-05-13T19:16:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327095762.184000	327095895.88981	On-chip summing requested	N	N
Observation end date	2008-05-13T19:54:57	2008-05-13T19:58:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



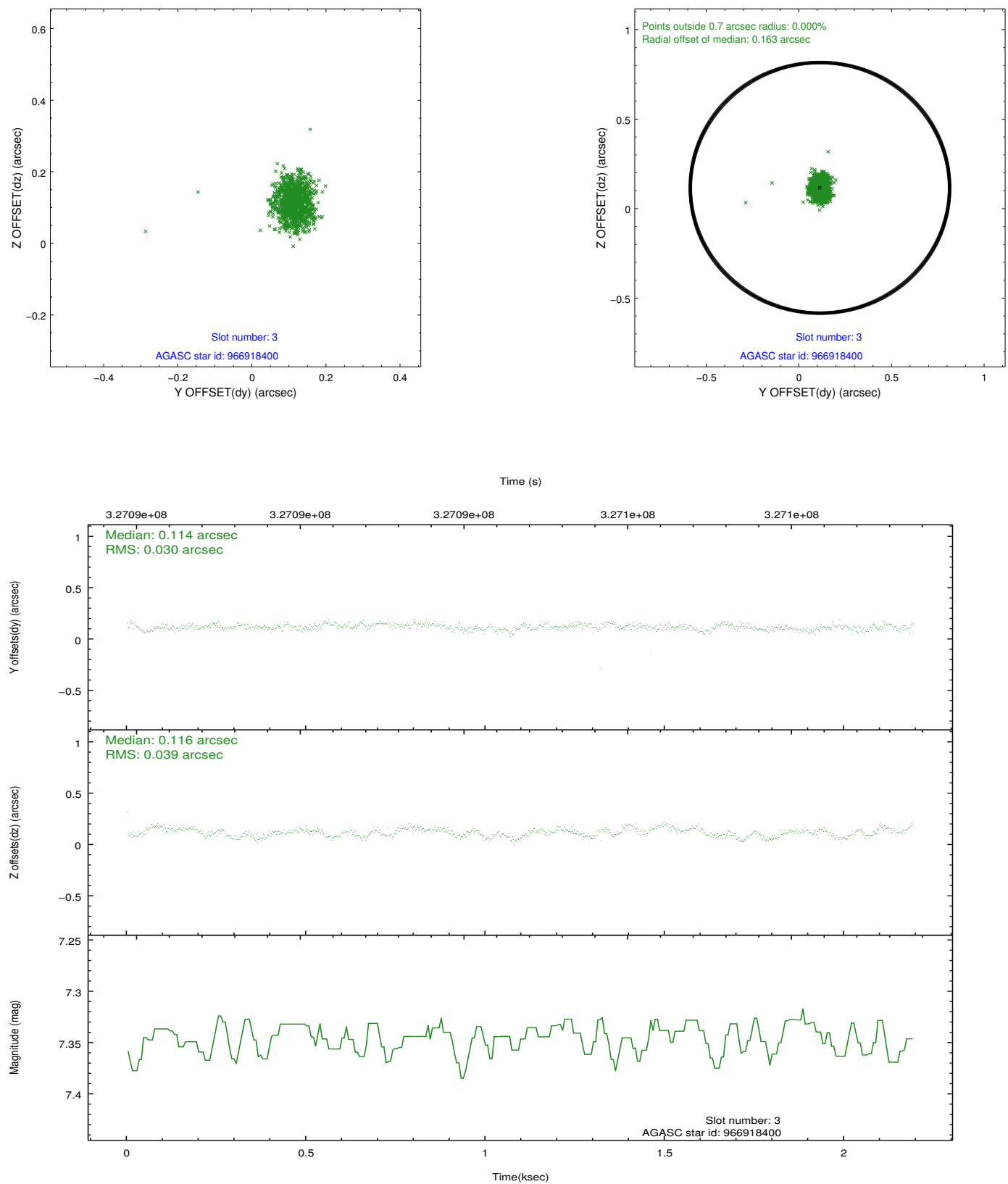


Slot Statistics

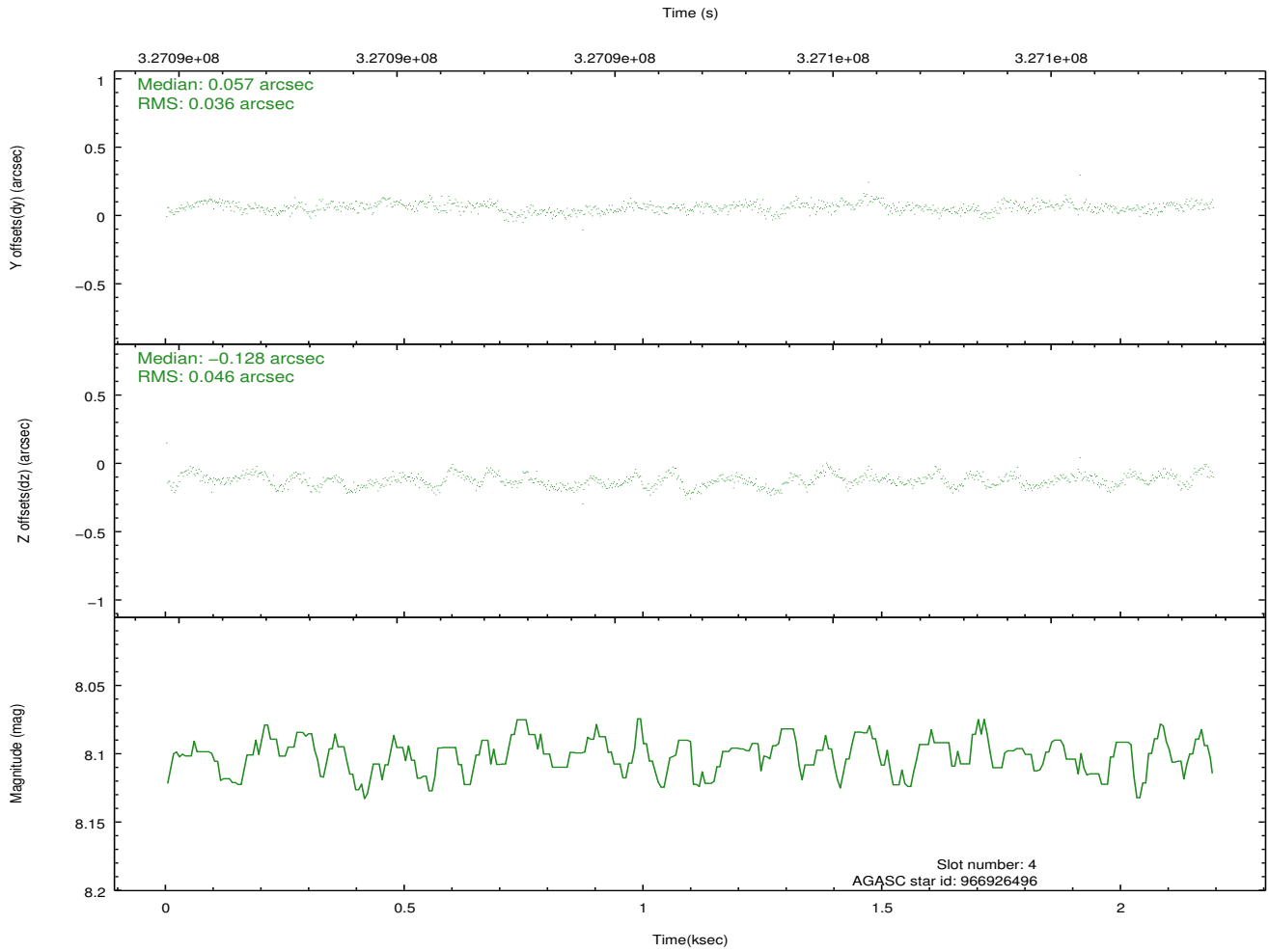
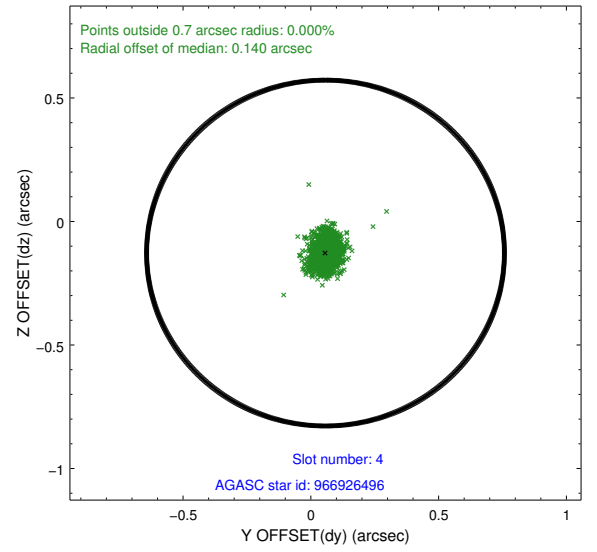
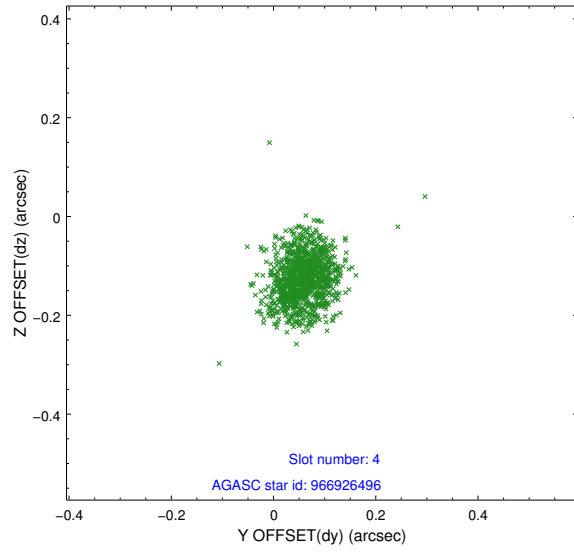
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	535	0.009	0.040	0.007	0.014	0.000000	0.000000	926.75	-837.14
1	FID	ACIS-I-5	7.04	535	-0.163	0.034	0.006	0.011	0.000000	0.000000	-1819.90	1058.84
2	FID	ACIS-I-6	7.05	535	0.063	-0.004	0.009	0.014	0.000000	0.000000	389.10	1706.69
3	GUIDE	966918400	7.35	1070	0.114	0.116	0.050	0.080	267.537101	-30.960086	-2228.32	-568.63
4	GUIDE	966926496	8.10	1070	0.057	-0.128	0.061	0.098	267.109389	-30.299474	-120.95	1151.59
5	GUIDE	967060208	8.58	1067	0.231	0.012	0.064	0.104	267.770250	-30.970101	-2139.97	-1282.85
6	GUIDE	896539920	8.84	1069	-0.157	-0.195	0.065	0.107	266.848347	-29.638887	2074.45	2374.90
7	GUIDE	898248800	8.23	1068	-0.246	0.193	0.051	0.083	267.977609	-29.931731	1654.79	-1279.42

2.4 Star Slots

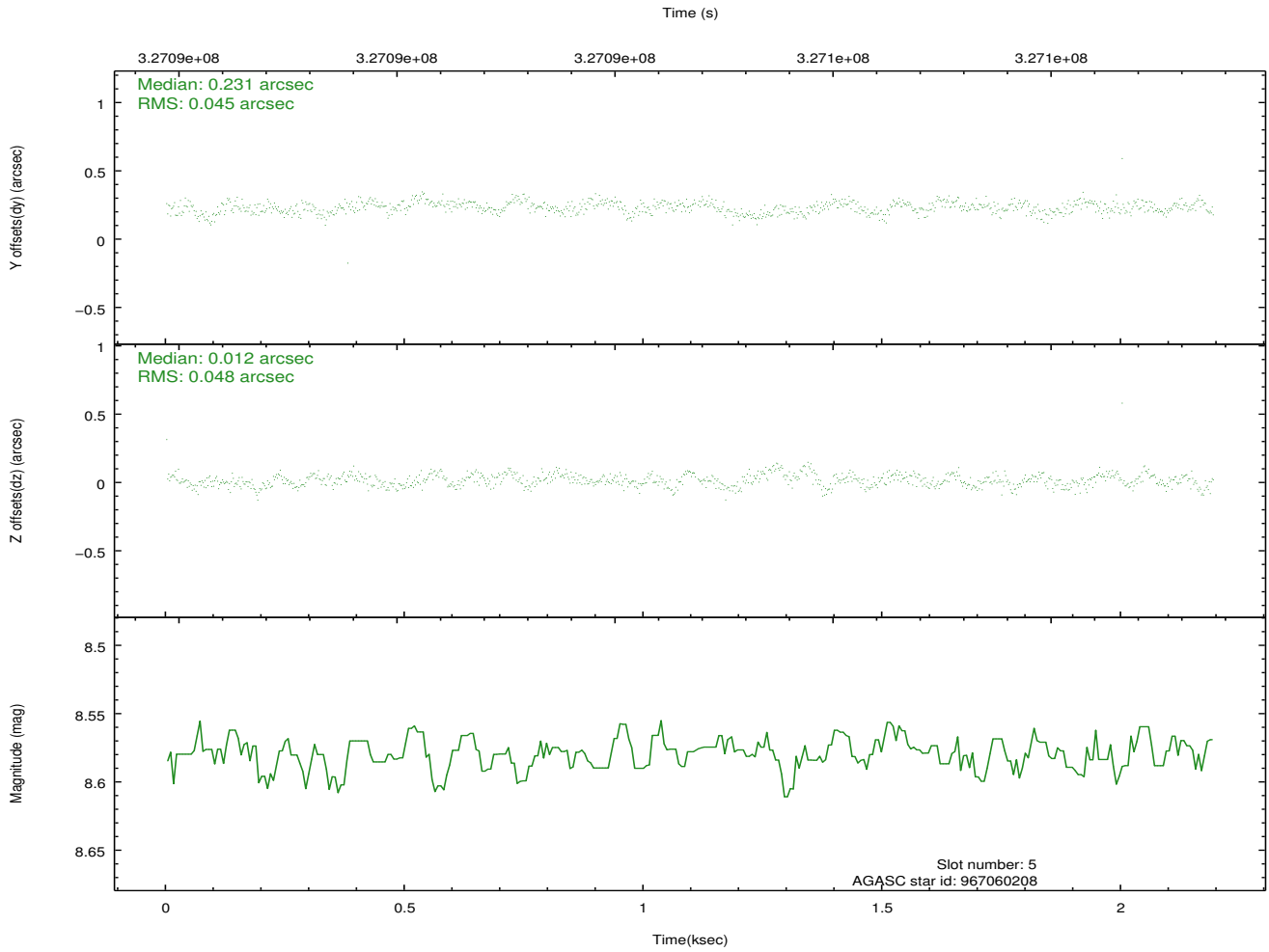
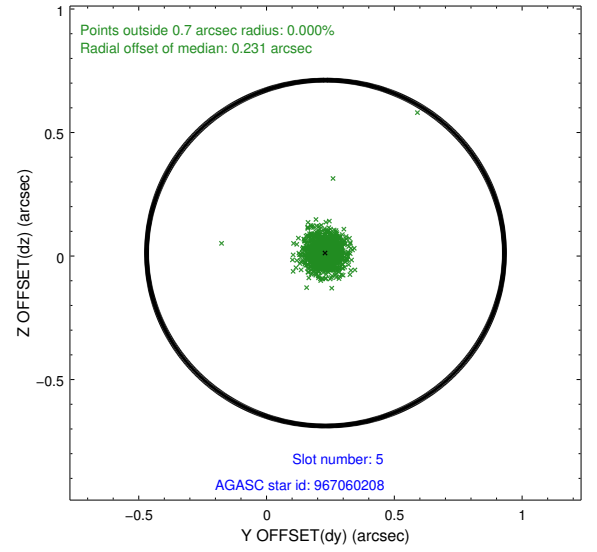
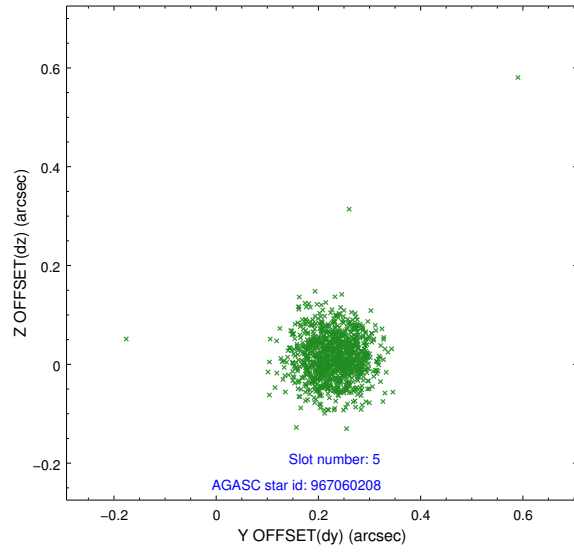
2.4.1 Slot 3



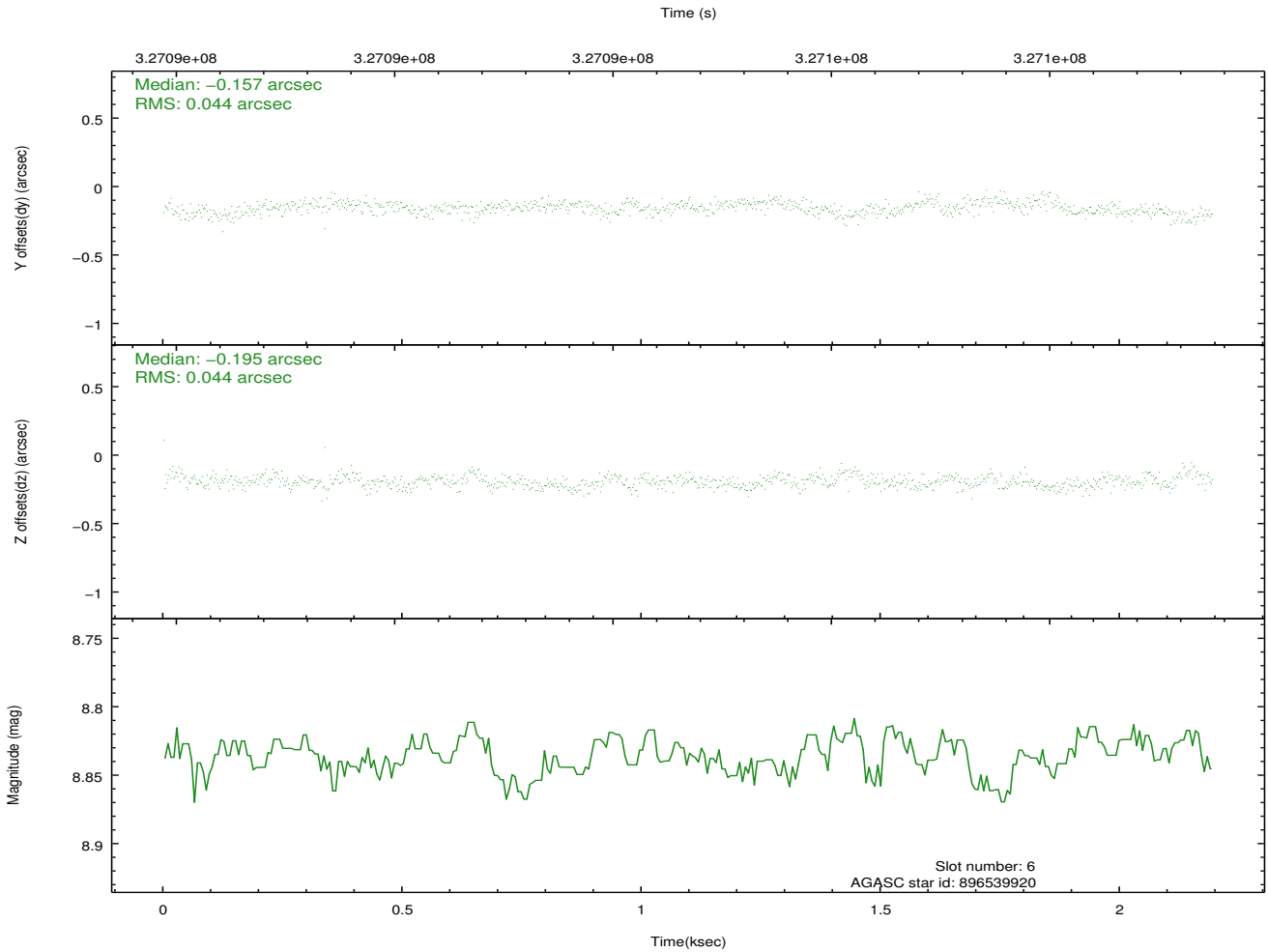
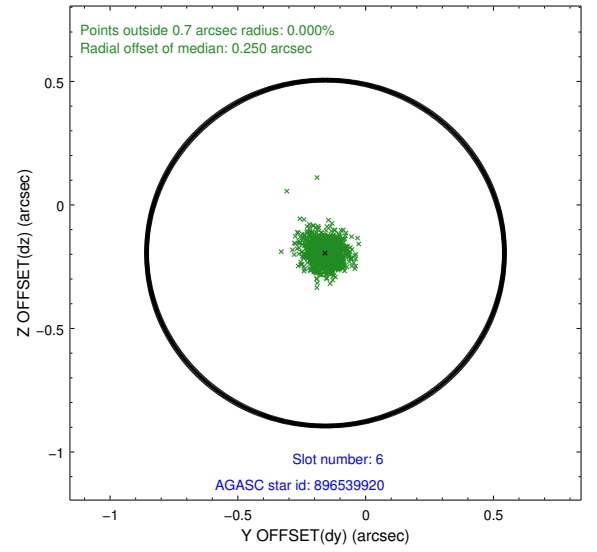
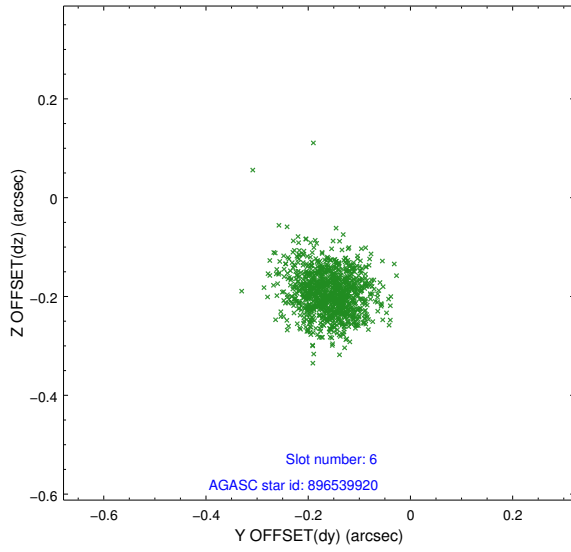
2.4.2 Slot 4



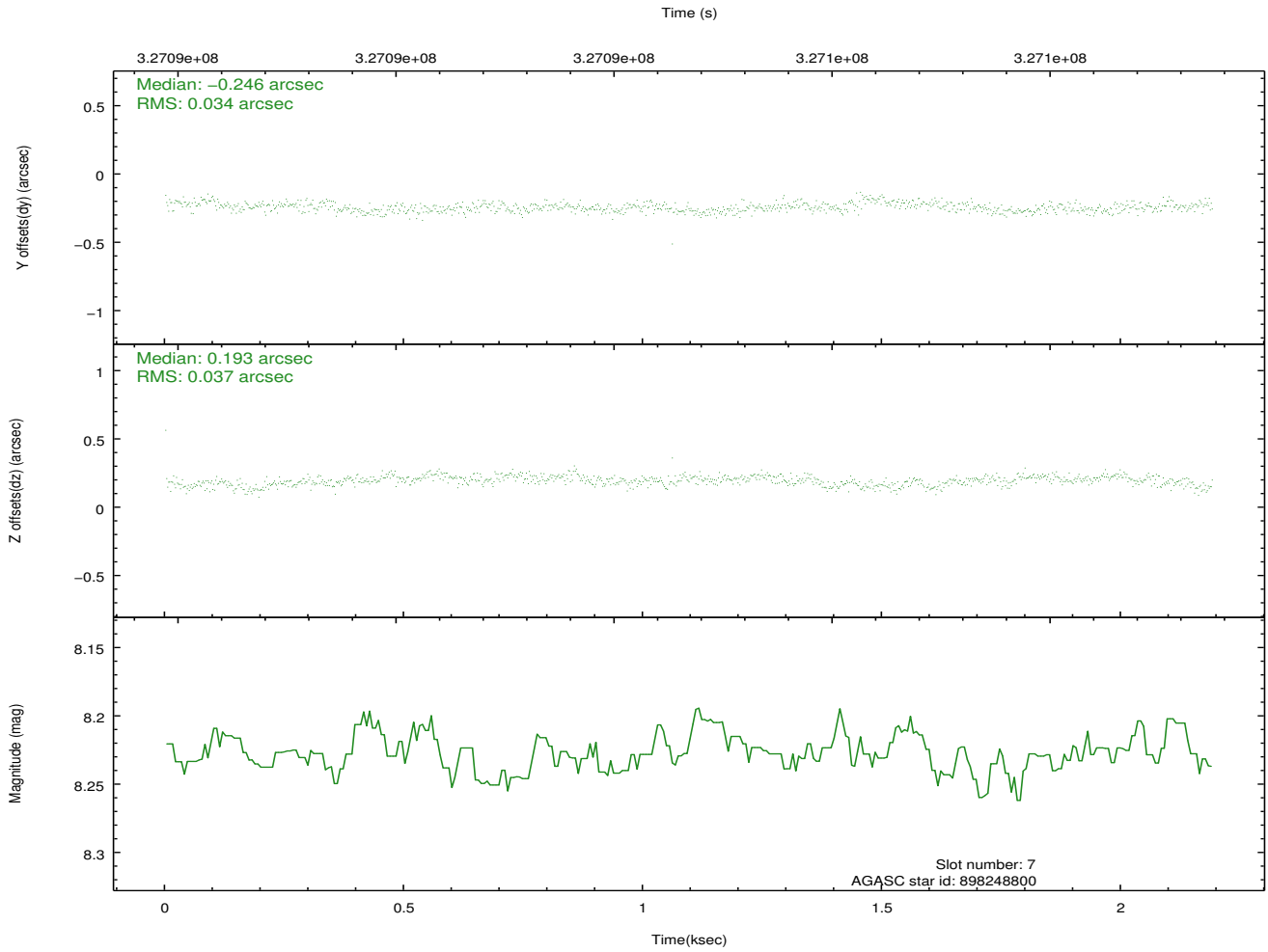
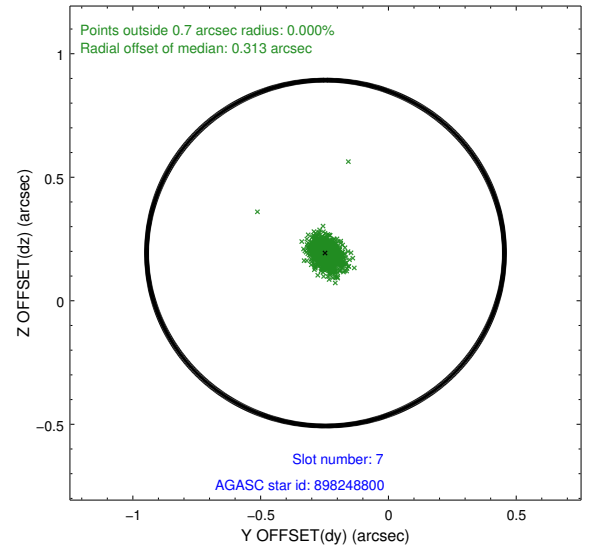
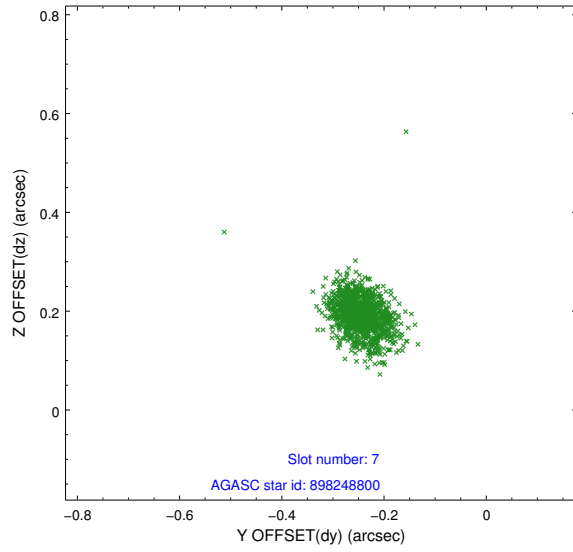
2.4.3 Slot 5



2.4.4 Slot 6

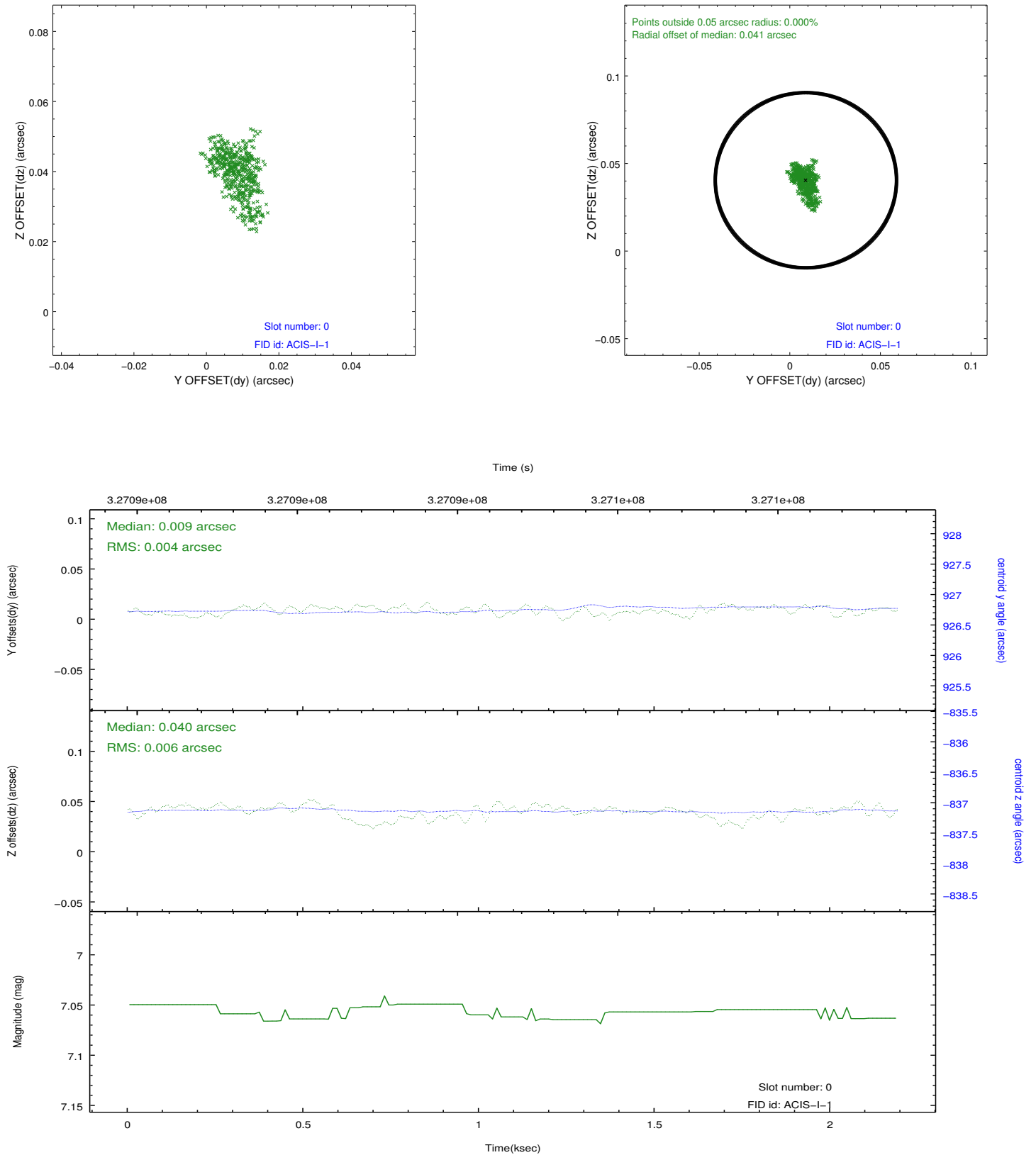


2.4.5 Slot 7

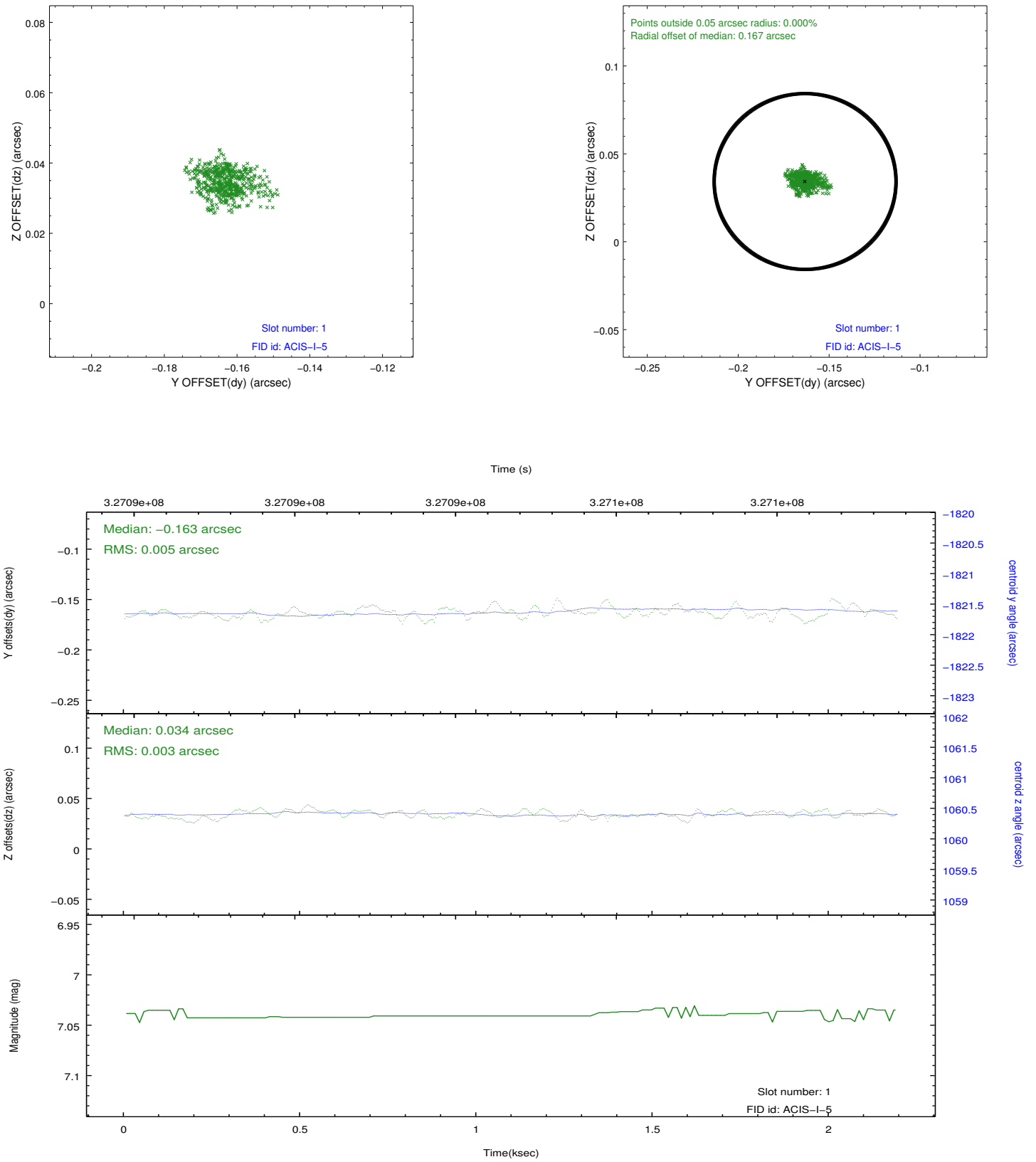


2.5 FID Slots

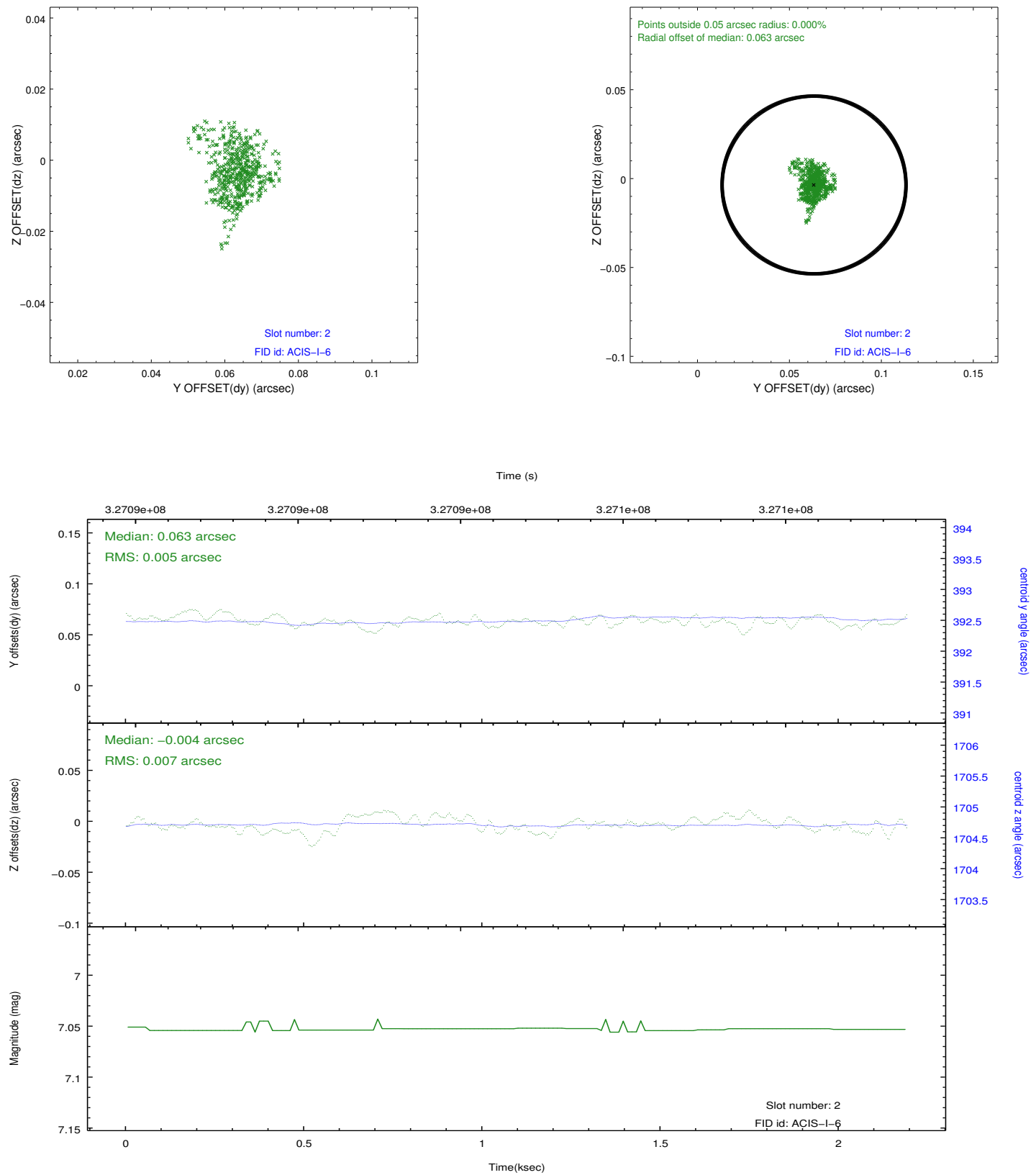
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint proposal with NOAO.