

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8754 - L2 Version 2
Chandra X-Ray Center

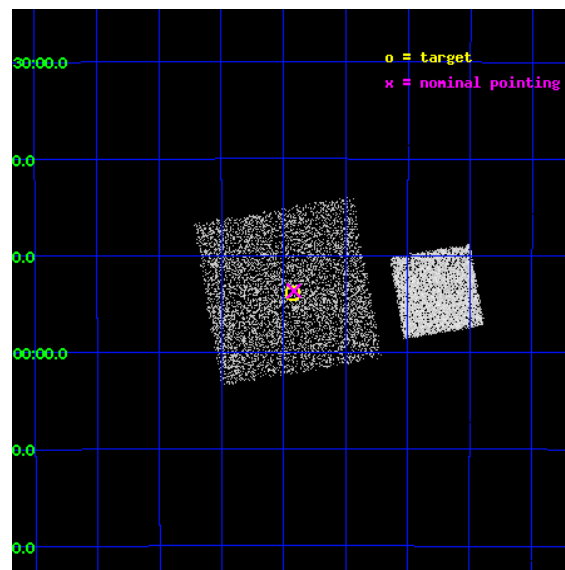
L2 Processing Date : May 14 2012

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1 Front

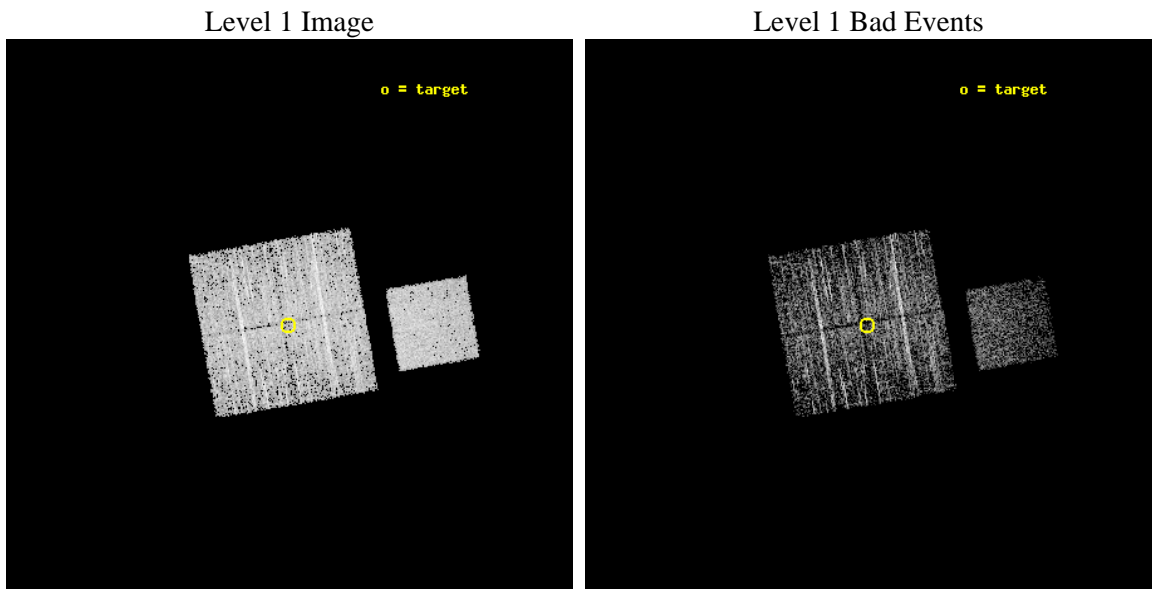
seq_num	400805	Sequence number
obs_id	8754	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.48101	Observer's specified target RA [deg]
dec_targ	-29.898817	Observer's specified target Dec [deg]
ra_nom	267.47910978349	Nominal RA [deg]
dec_nom	-29.894192791257	Nominal Dec [deg]
roll_nom	80.207662929598	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2179.2179865241	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15995	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	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-14T20:45:34	Date and time of file creation	ontime1	2179.2179865241	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	102653	Number of level 1 events

2.1.4 Events

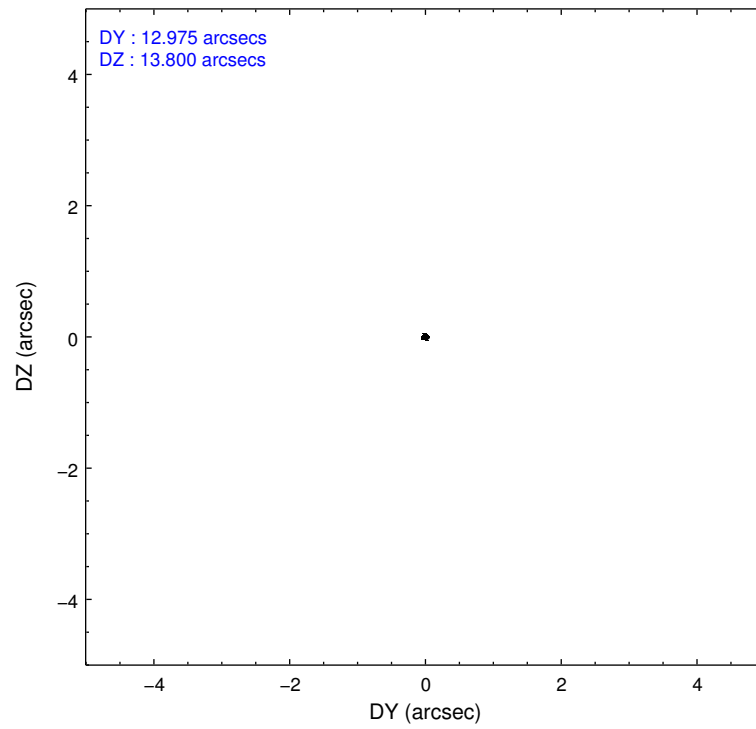
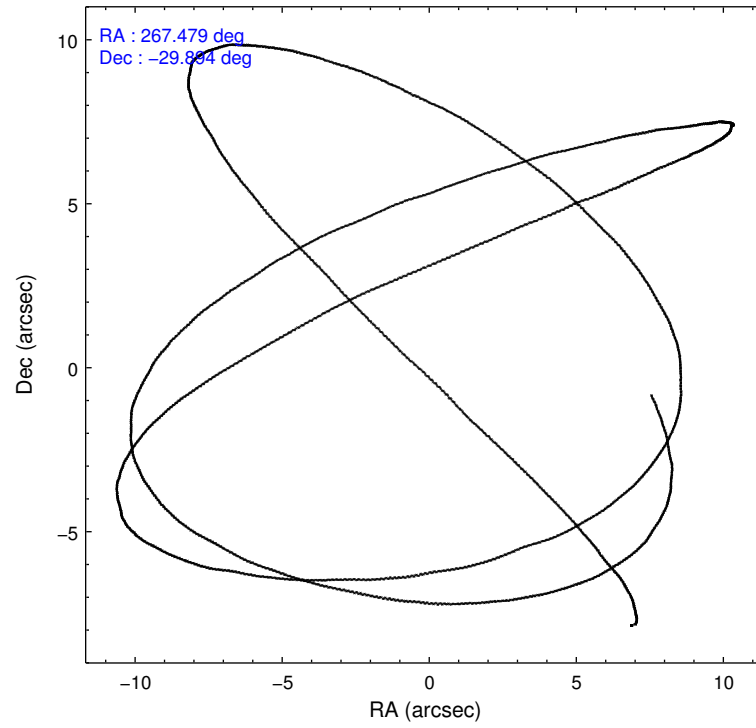
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19230	18913	21606	20171	22733
rejected events	17006	16590	19629	18198	13567
rejected %	88%	87%	90%	90%	59%

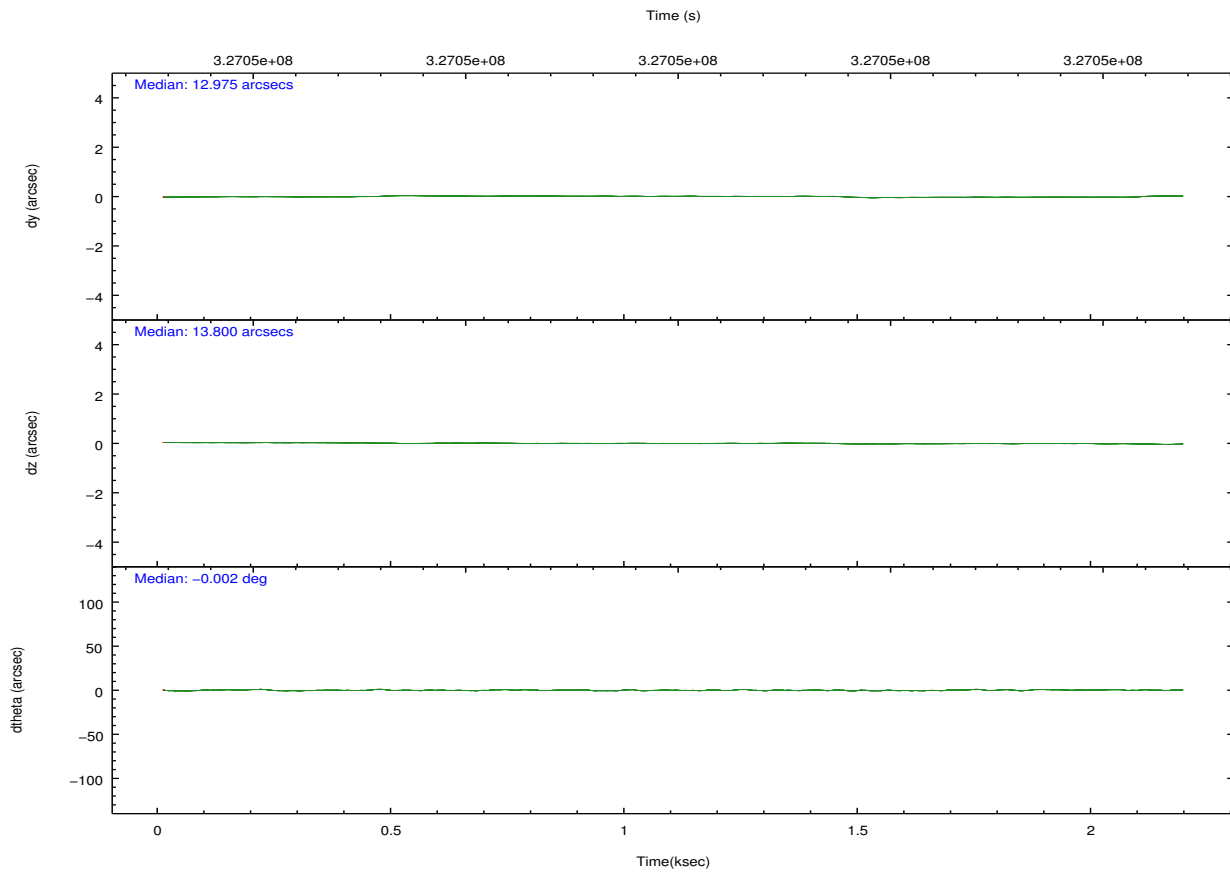
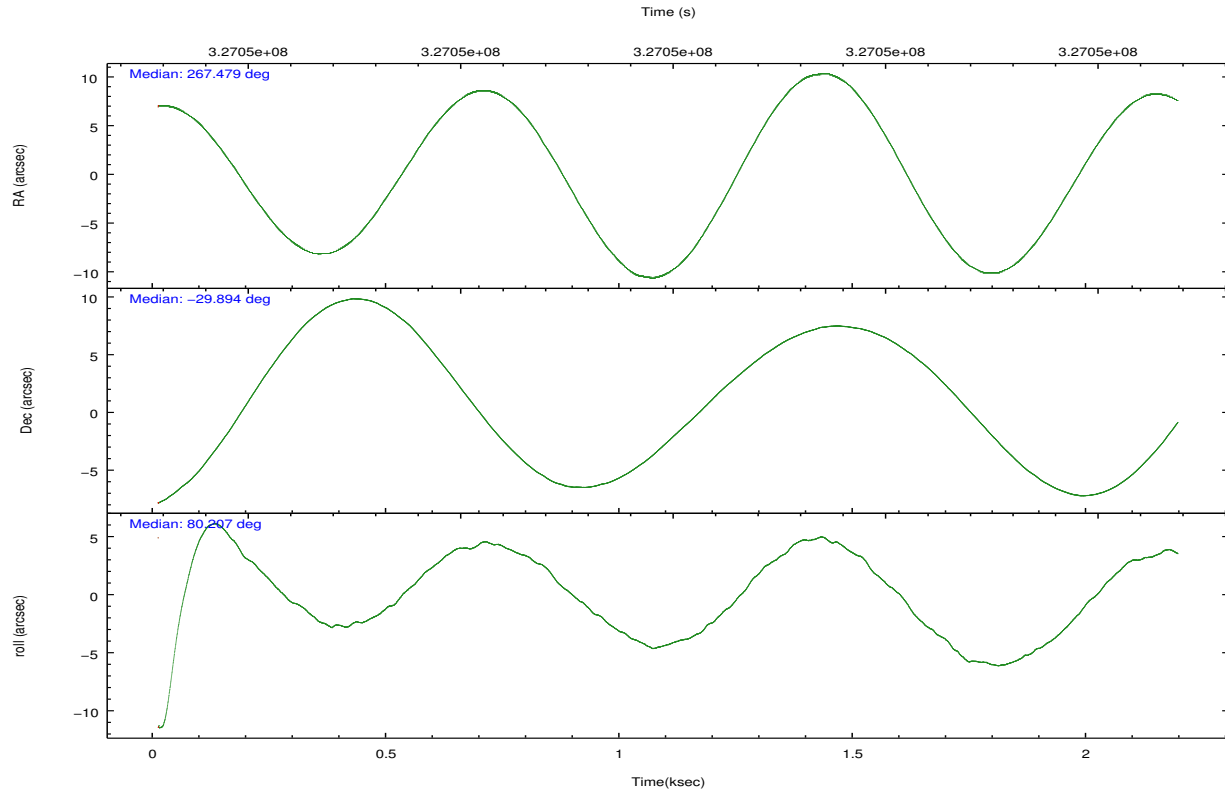
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1069	1113	977	966	1047
	5%	5%	4%	4%	4%
grade 1 events	6	16	6	13	34
	0%	0%	0%	0%	0%
grade 2 events	617	574	516	462	2158
	3%	3%	2%	2%	9%
grade 3 events	247	277	169	230	955
	1%	1%	0%	1%	4%
grade 4 events	217	227	214	216	991
	1%	1%	0%	1%	4%
grade 5 events	685	797	640	780	2398
	3%	4%	2%	3%	10%
grade 6 events	383	507	371	385	5375
	1%	2%	1%	1%	23%
grade 7 events	16006	15402	18713	17119	9775
	83%	81%	86%	84%	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	267.490204	267.4791097834877	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.919859	-29.89419279125742	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004592	80.20766292959752	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)	327048582.184000	327048205.71248	CCD S5 on	N	N
Observation start date	2008-05-13T06:48:37	2008-05-13T06:43:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327050582.184000	327050715.9376	On-chip summing requested	N	N
Observation end date	2008-05-13T07:21:57	2008-05-13T07:25:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



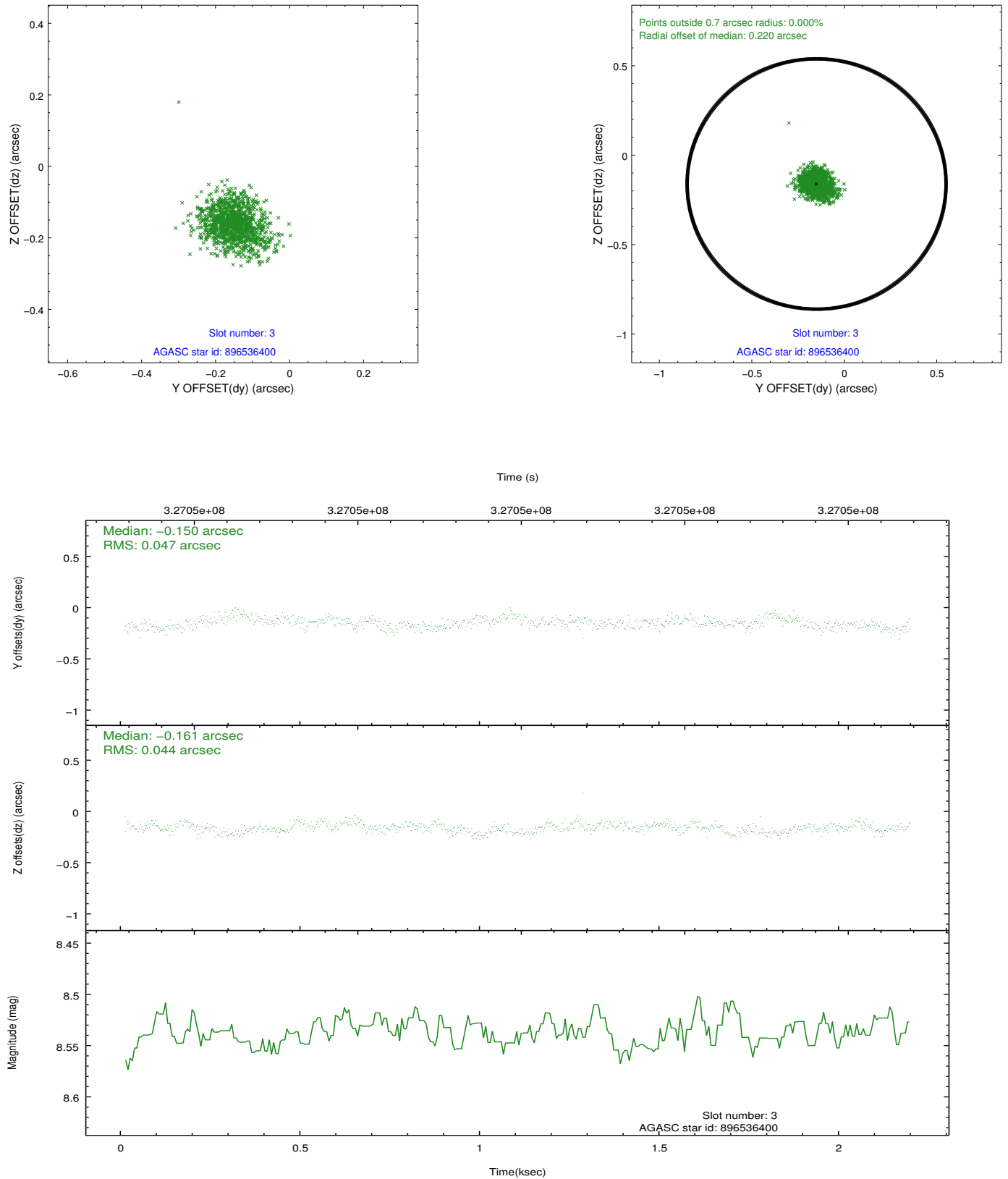


Slot Statistics

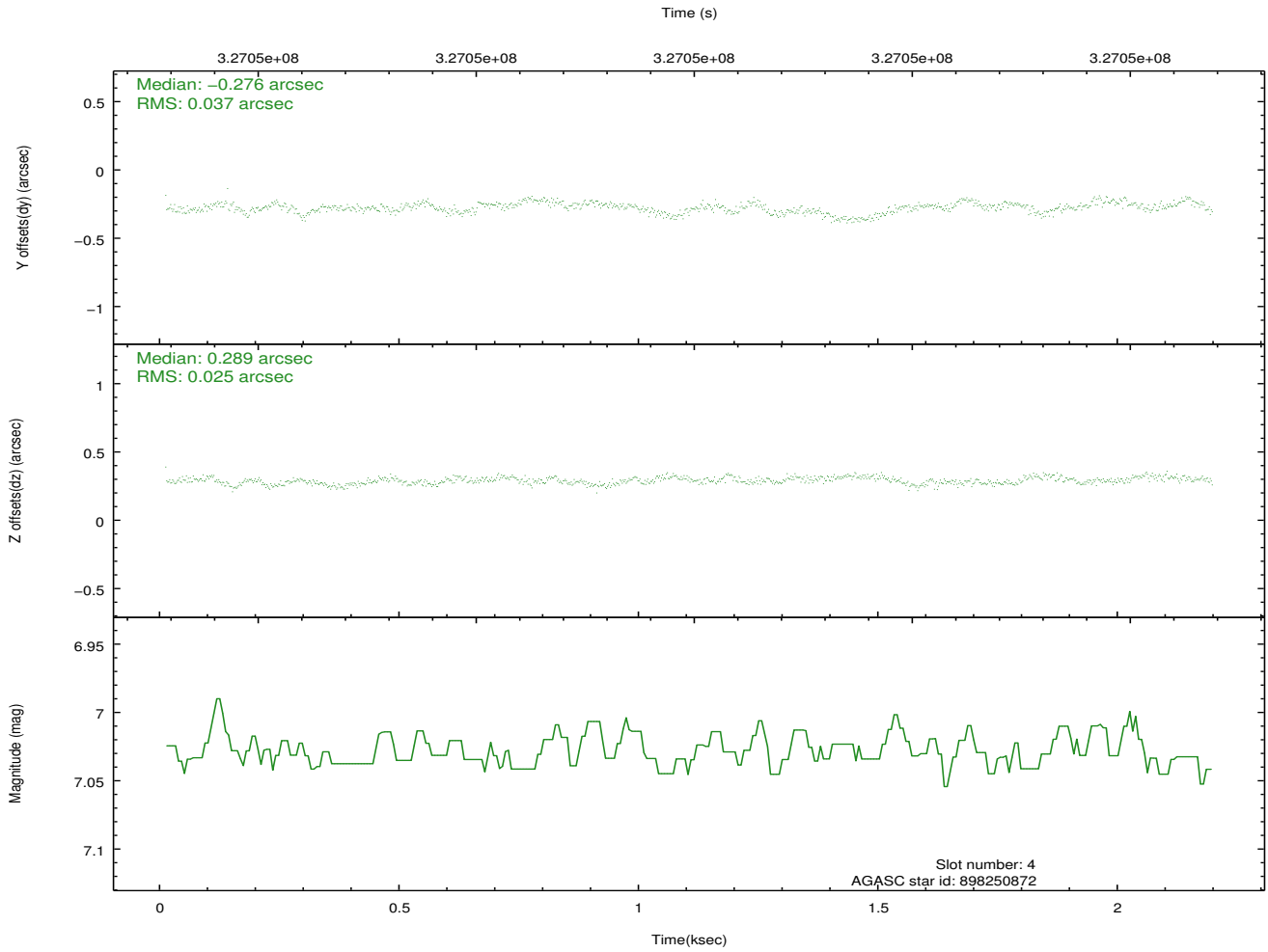
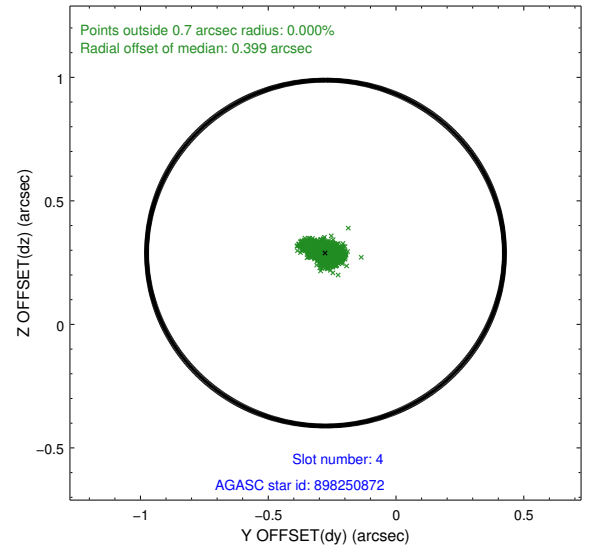
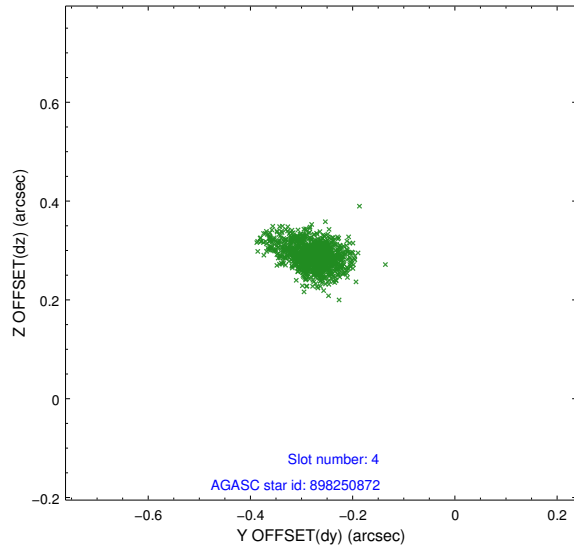
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	534	0.006	0.044	0.007	0.012	0.000000	0.000000	926.56	-837.32
1	FID	ACIS-I-5	7.02	534	-0.169	0.031	0.005	0.010	0.000000	0.000000	-1820.09	1058.64
2	FID	ACIS-I-6	7.03	534	0.072	-0.004	0.006	0.011	0.000000	0.000000	388.90	1706.50
3	GUIDE	896536400	8.54	1067	-0.150	-0.161	0.069	0.110	267.359146	-29.438655	1634.81	705.27
4	GUIDE	898250872	7.03	1067	-0.276	0.289	0.046	0.081	268.026303	-29.632040	1309.50	-1471.88
5	GUIDE	966926496	8.10	1067	0.199	-0.076	0.069	0.106	267.109389	-30.299474	-1551.53	927.14
6	GUIDE	896534000	9.27	1066	-0.114	0.039	0.080	0.129	267.299113	-29.228915	2343.86	1023.96
7	GUIDE	966920512	8.36	1066	0.340	-0.089	0.050	0.082	267.231170	-30.494681	-2175.32	433.00

2.4 Star Slots

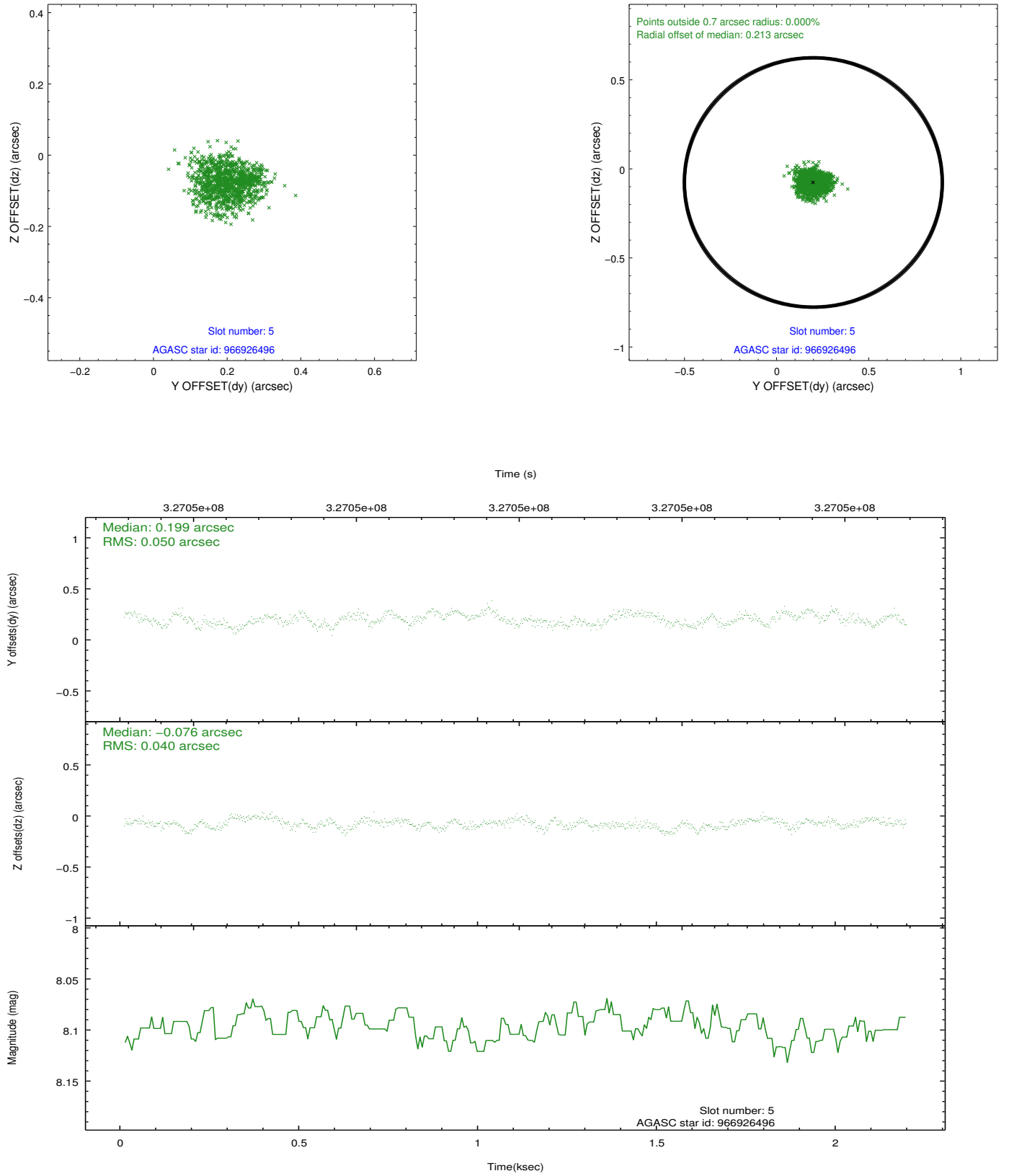
2.4.1 Slot 3



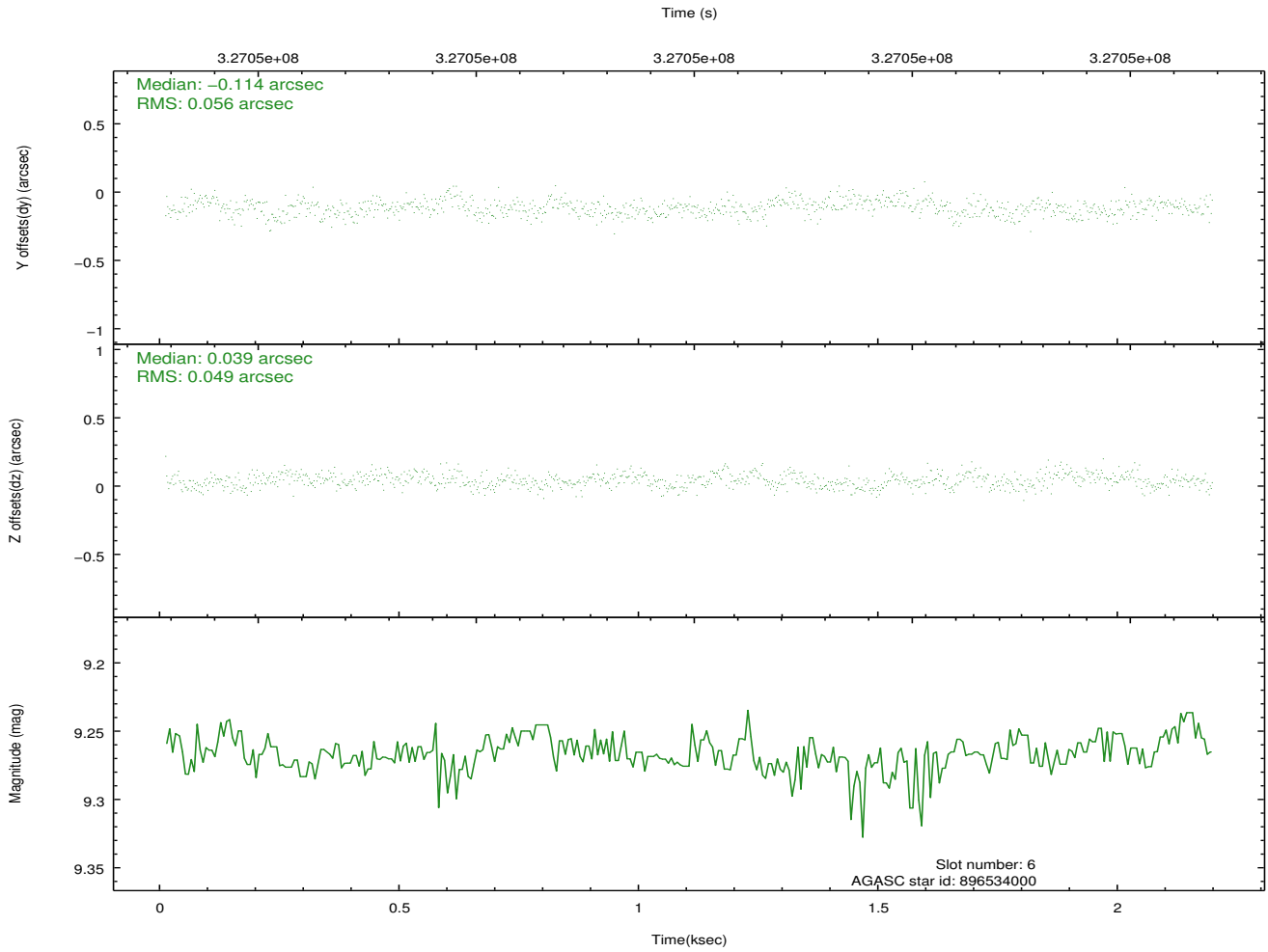
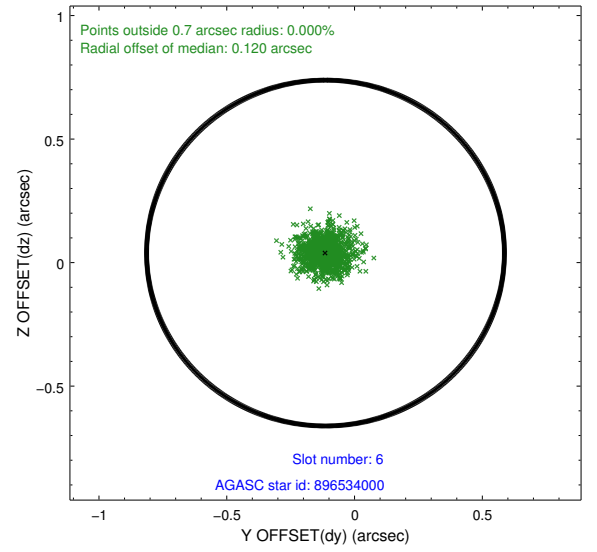
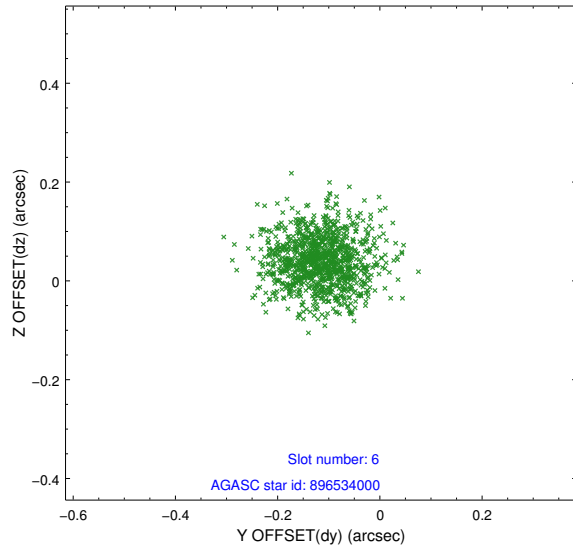
2.4.2 Slot 4



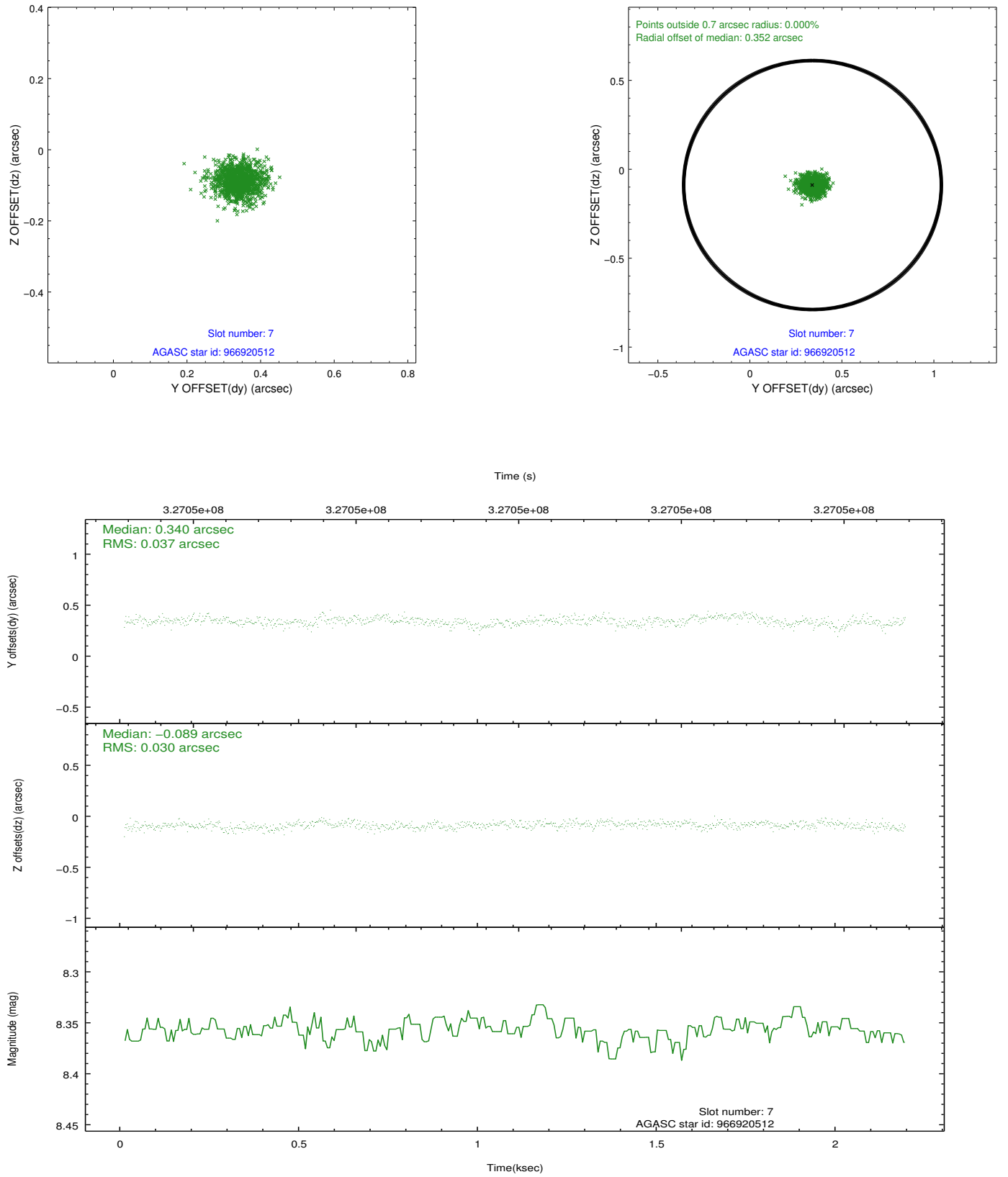
2.4.3 Slot 5



2.4.4 Slot 6

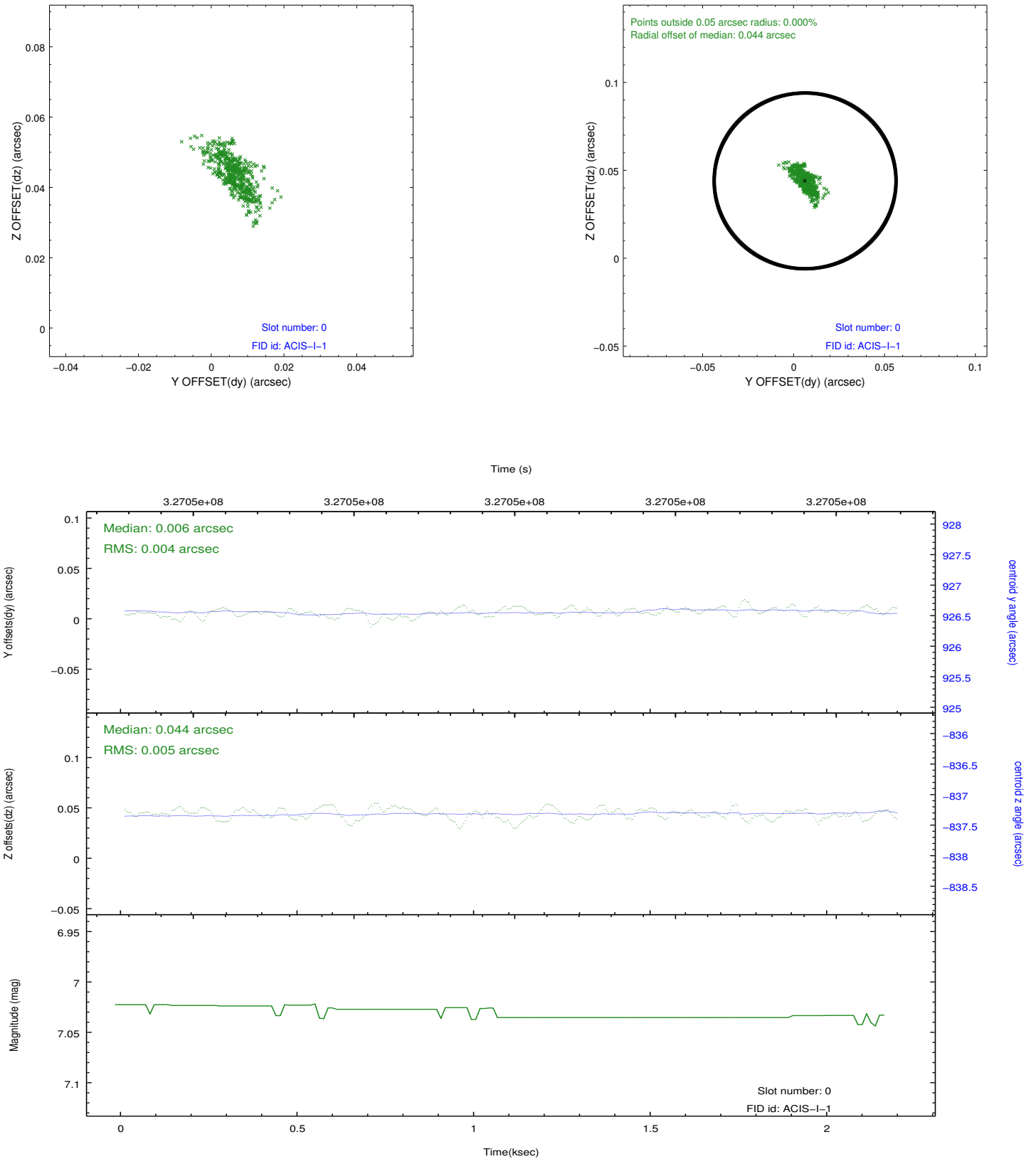


2.4.5 Slot 7

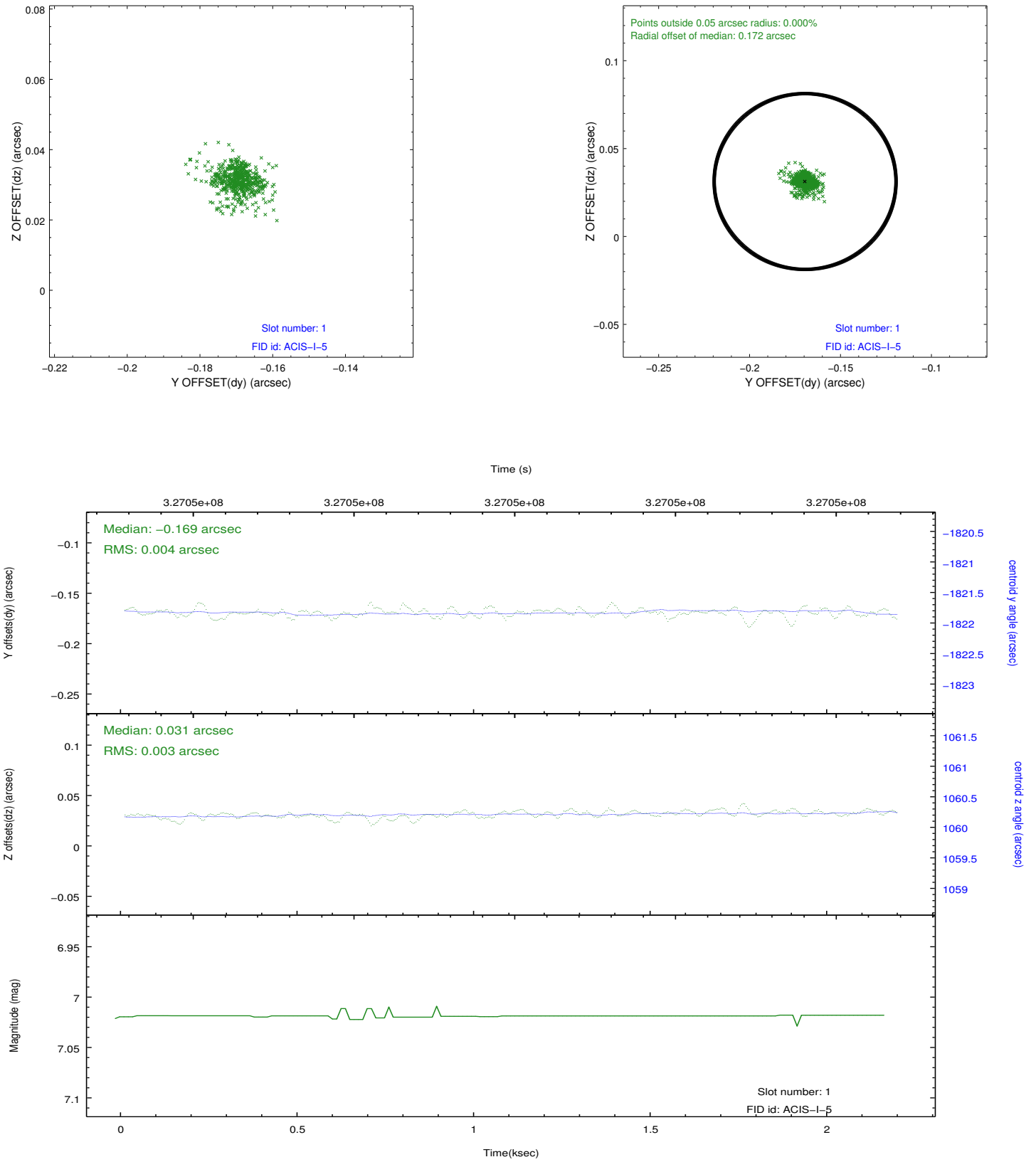


2.5 FID Slots

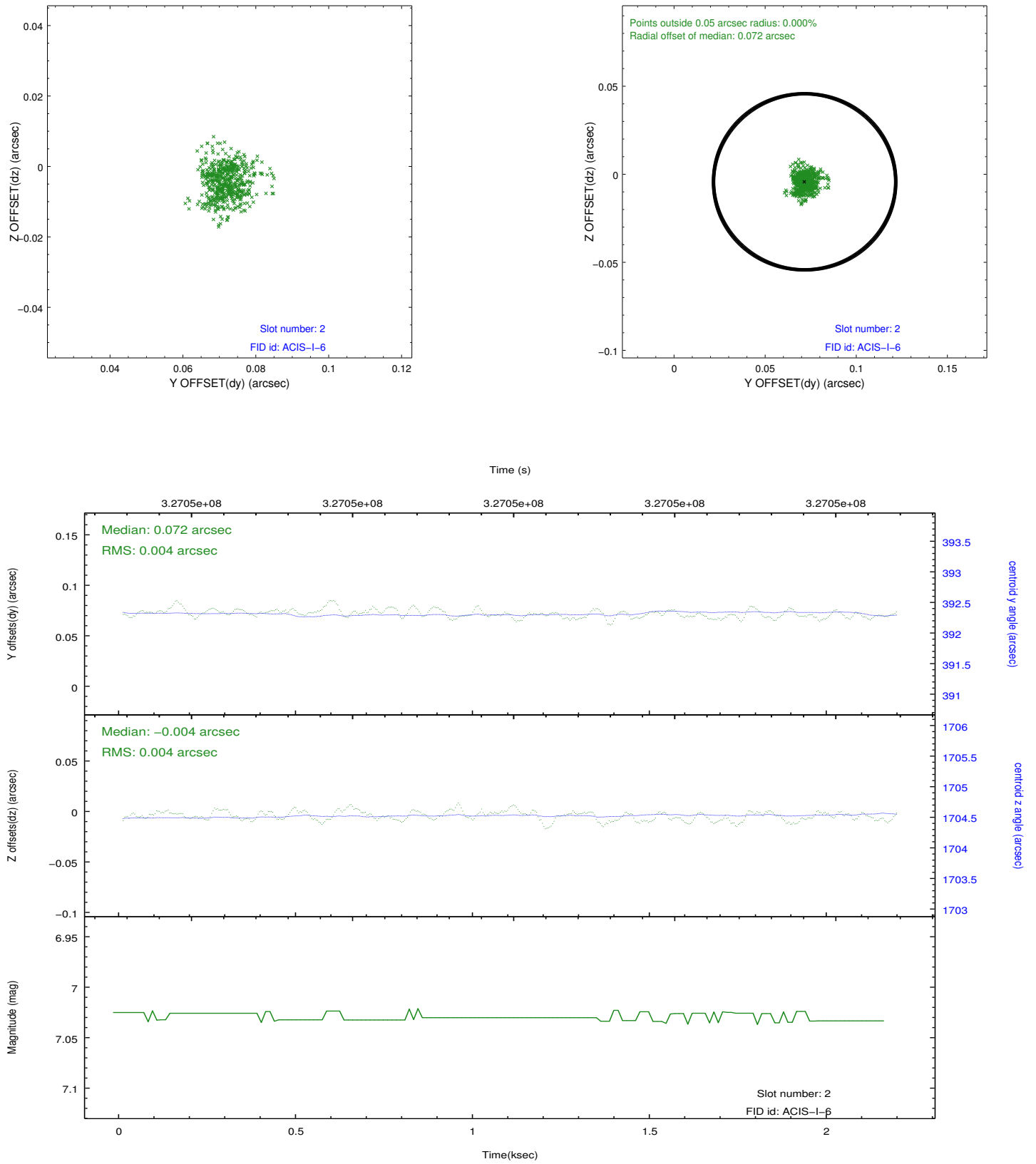
2.5.1 Slot 0



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	2.18550001

A.2 Comments

Joint proposal with NOAO.