

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8774 - L2 Version 2
Chandra X-Ray Center

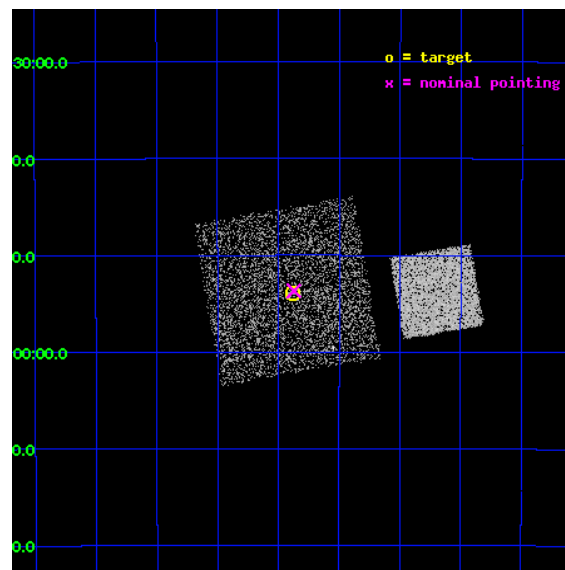
L2 Processing Date : May 14 2012

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1 Front

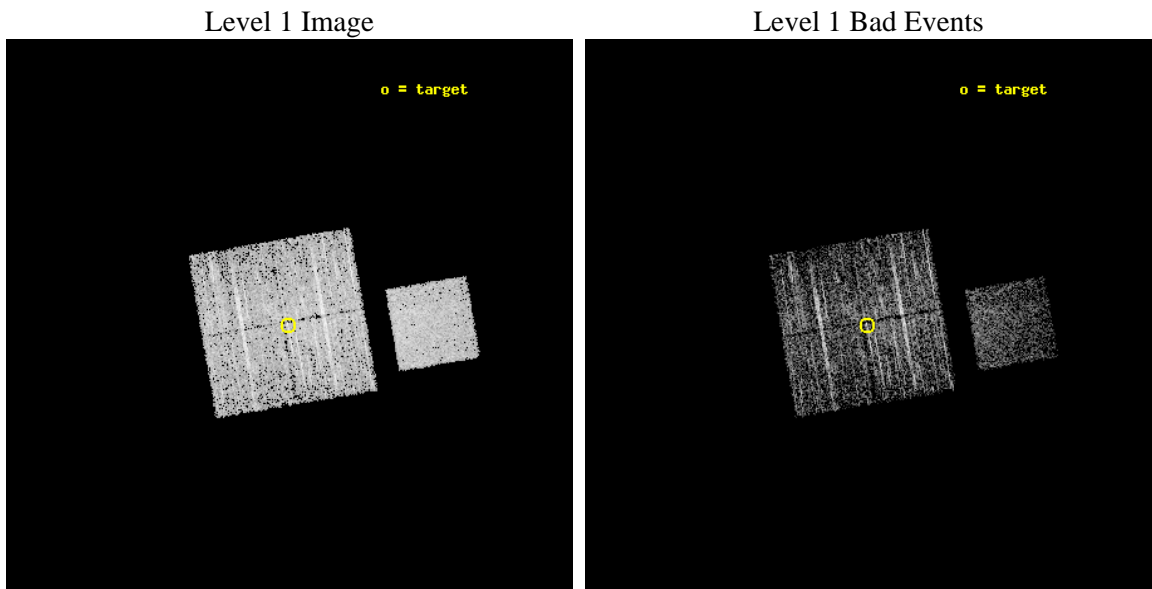
seq_num	400825	Sequence number
obs_id	8774	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.345083	Observer's specified target RA [deg]
dec_targ	-31.899393	Observer's specified target Dec [deg]
ra_nom	266.34301020052	Nominal RA [deg]
dec_nom	-31.894651351596	Nominal Dec [deg]
roll_nom	80.207571954023	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	2185.4590165019	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	15209	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	2012-05-14T21:10:22	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.4590165019	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	99863	Number of level 1 events

2.1.4 Events

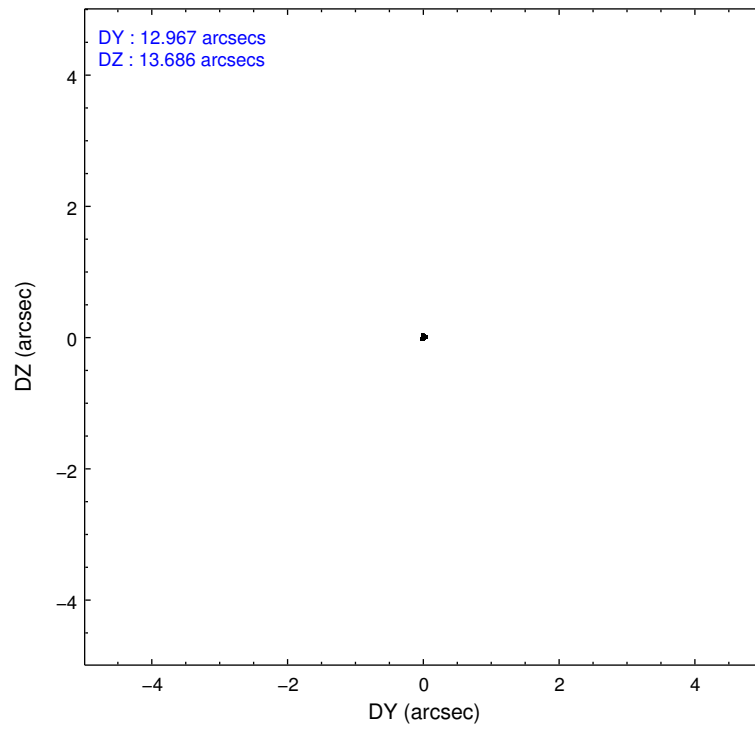
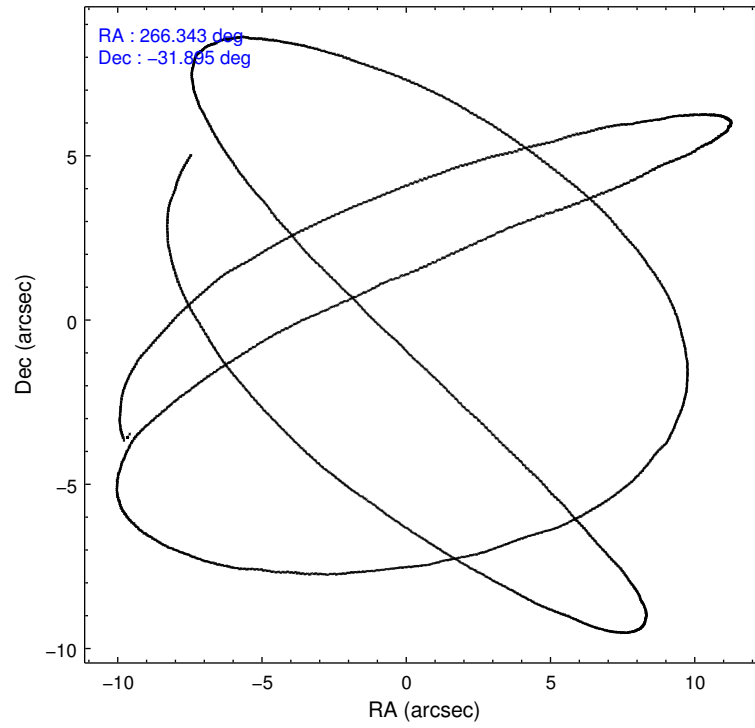
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18424	17364	20678	21032	22365
rejected events	16483	15301	18744	19148	13397
rejected %	89%	88%	90%	91%	59%

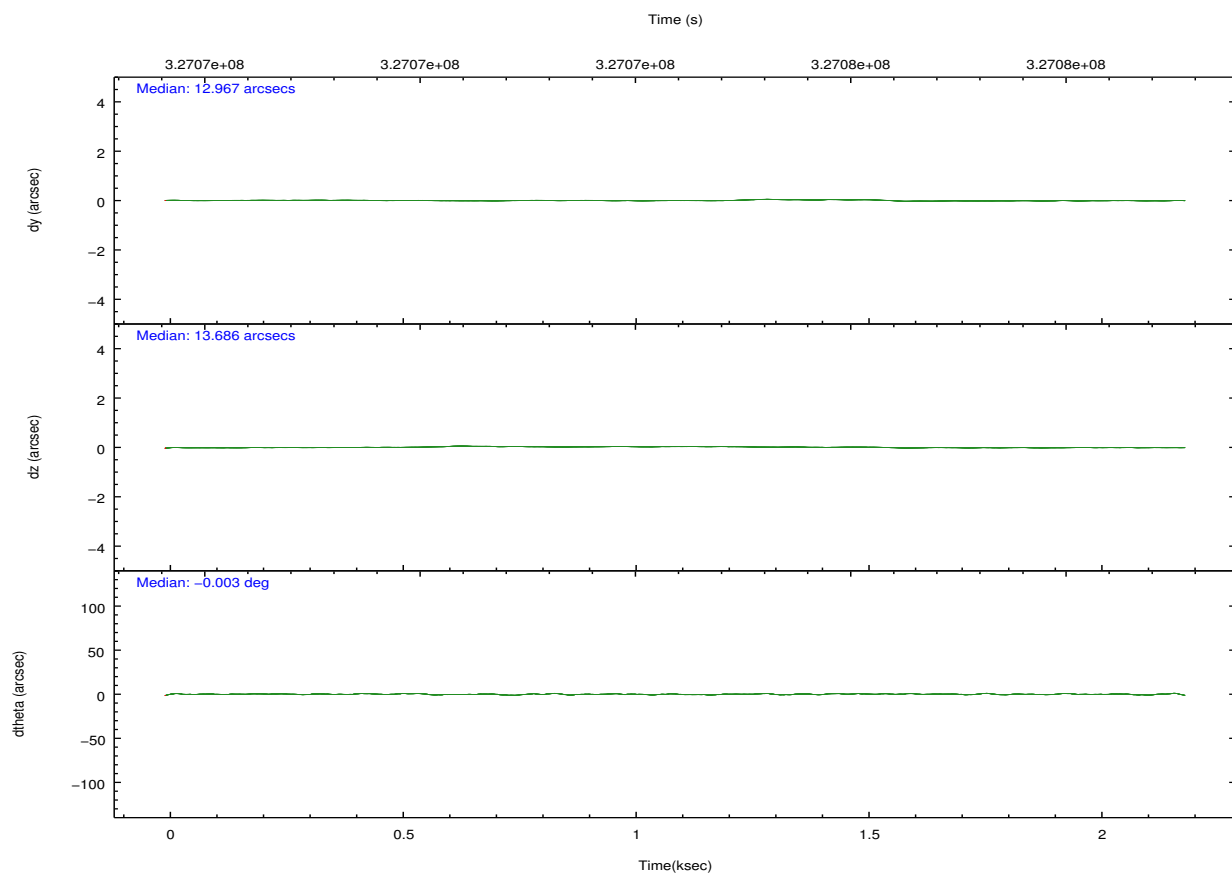
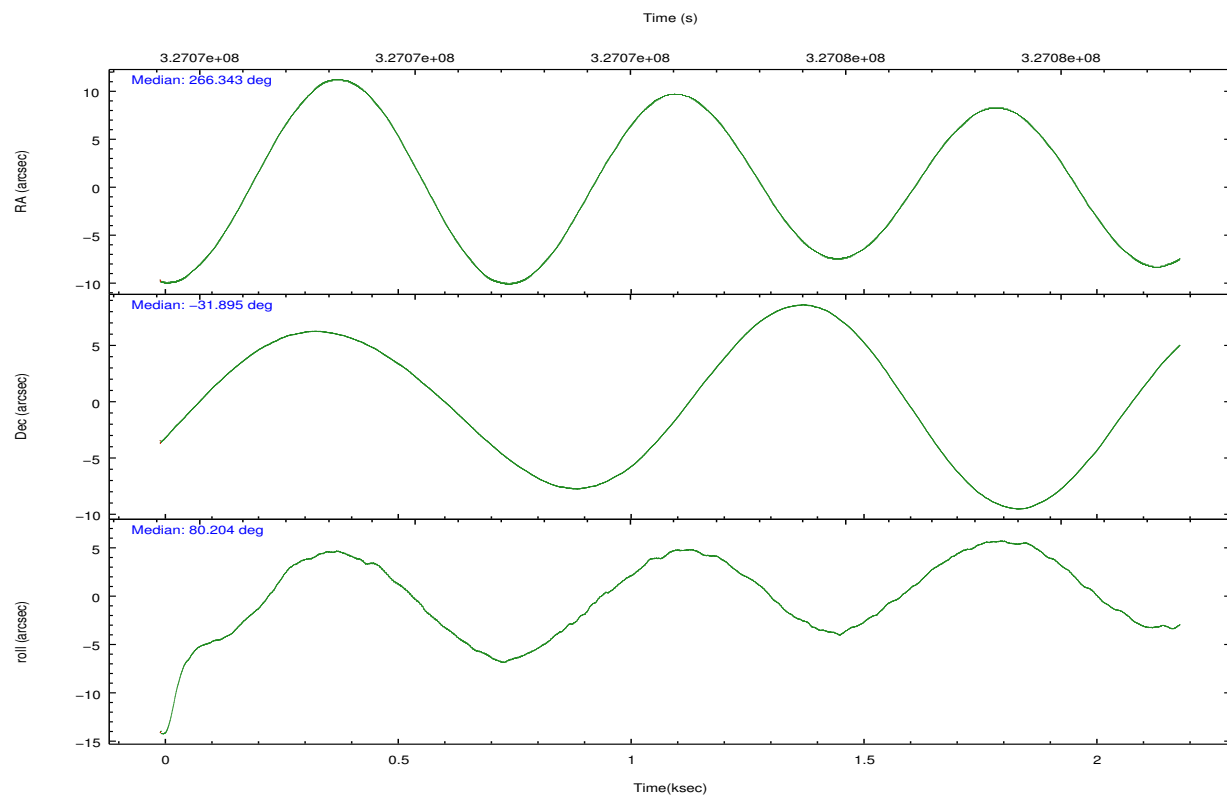
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	874	957	903	838	966
	4%	5%	4%	3%	4%
grade 1 events	8	6	9	15	29
	0%	0%	0%	0%	0%
grade 2 events	536	520	479	462	2135
	2%	2%	2%	2%	9%
grade 3 events	209	266	220	217	931
	1%	1%	1%	1%	4%
grade 4 events	225	236	231	206	916
	1%	1%	1%	0%	4%
grade 5 events	690	821	641	828	2345
	3%	4%	3%	3%	10%
grade 6 events	382	425	382	434	5374
	2%	2%	1%	2%	24%
grade 7 events	15500	14133	17813	18032	9669
	84%	81%	86%	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	266.354472	266.3430102005225	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.920422	-31.89465135159647	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004966	80.207571954023	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)	327073682.184000	327073305.9137	CCD S5 on	N	N
Observation start date	2008-05-13T13:46:57	2008-05-13T13:41:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327075682.184000	327075816.13883	On-chip summing requested	N	N
Observation end date	2008-05-13T14:20:17	2008-05-13T14:23:36	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



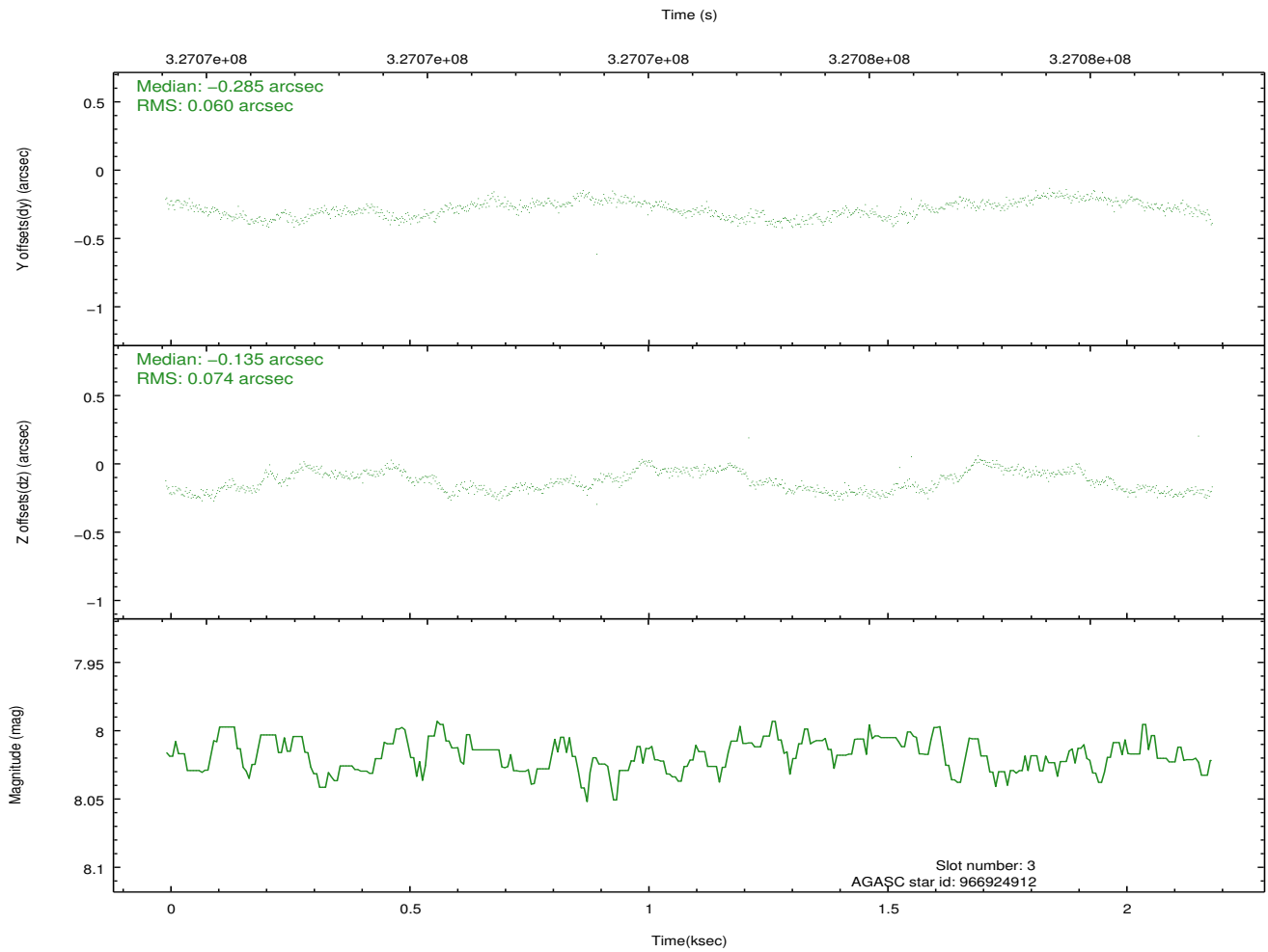
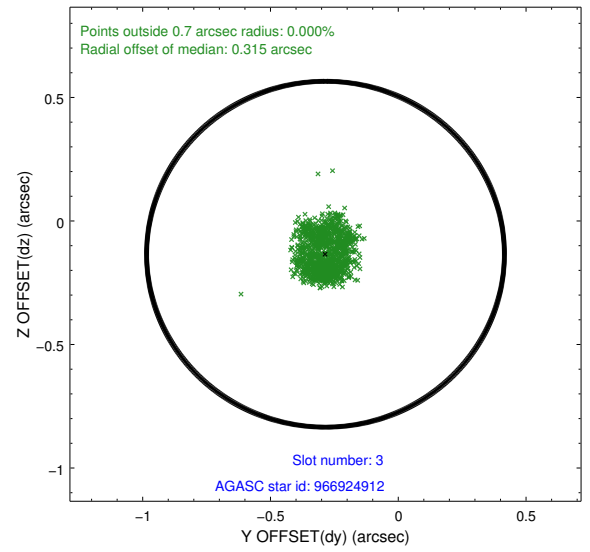
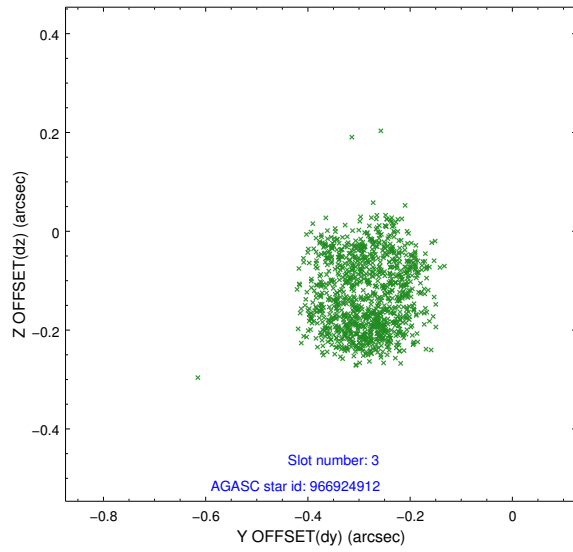


Slot Statistics

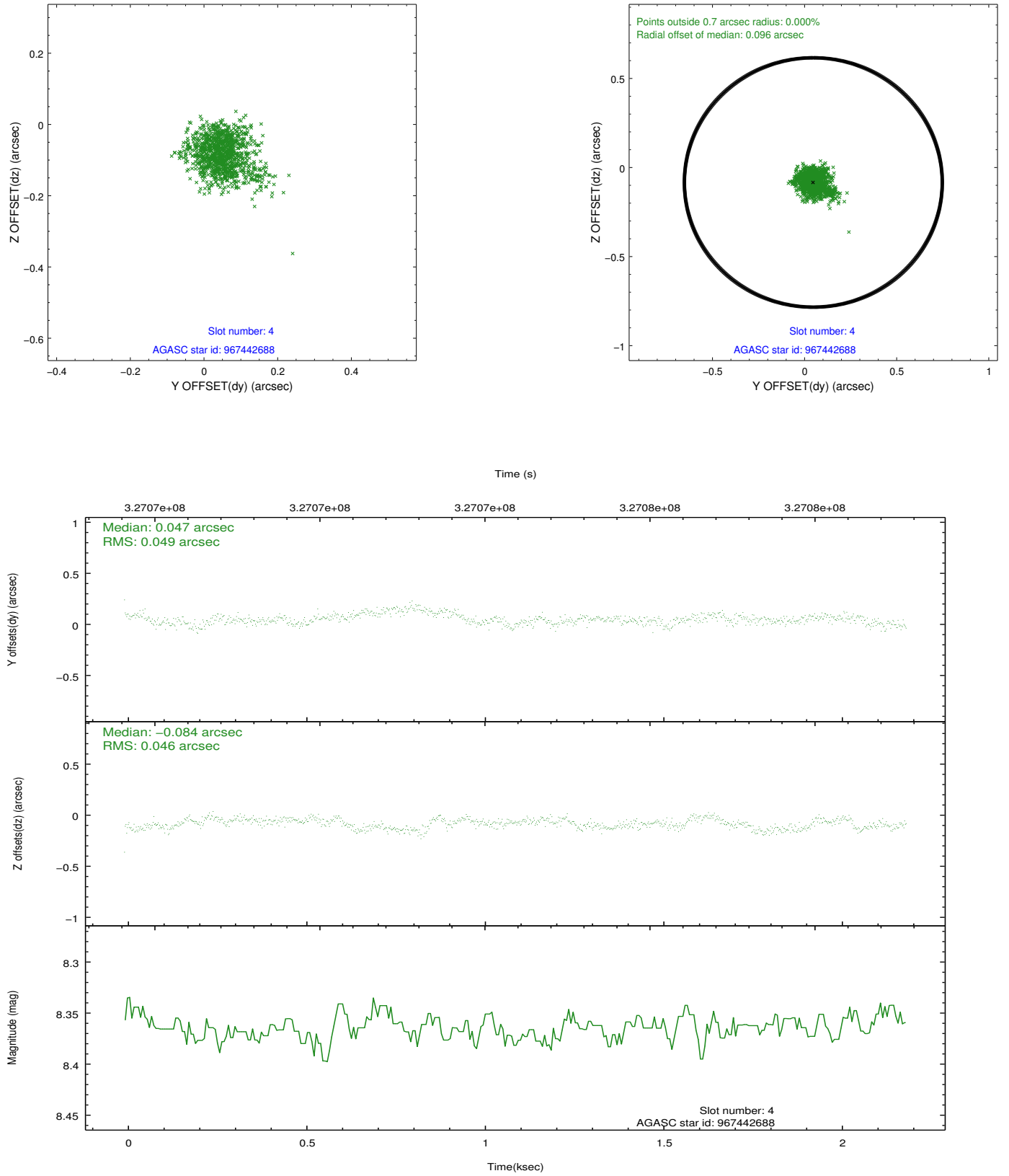
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	535	0.009	0.043	0.006	0.010	0.000000	0.000000	926.56	-837.20
1	FID	ACIS-I-5	7.04	535	-0.167	0.035	0.006	0.010	0.000000	0.000000	-1820.09	1058.76
2	FID	ACIS-I-6	7.05	535	0.067	-0.007	0.006	0.010	0.000000	0.000000	388.91	1706.61
3	GUIDE	966924912	8.02	1069	-0.285	-0.135	0.104	0.147	266.020014	-31.275150	2107.39	1416.21
4	GUIDE	967442688	8.36	1069	0.047	-0.084	0.069	0.116	266.096113	-32.373763	-1742.36	491.12
5	GUIDE	967445304	8.46	1069	0.092	-0.083	0.067	0.110	265.658967	-32.404354	-2090.85	1778.41
6	GUIDE	967446216	8.68	1069	0.130	0.185	0.128	0.185	266.739036	-32.414310	-1551.81	-1458.44
7	GUIDE	967449280	8.73	1068	0.009	0.110	0.068	0.110	266.690713	-32.455990	-1724.29	-1342.43

2.4 Star Slots

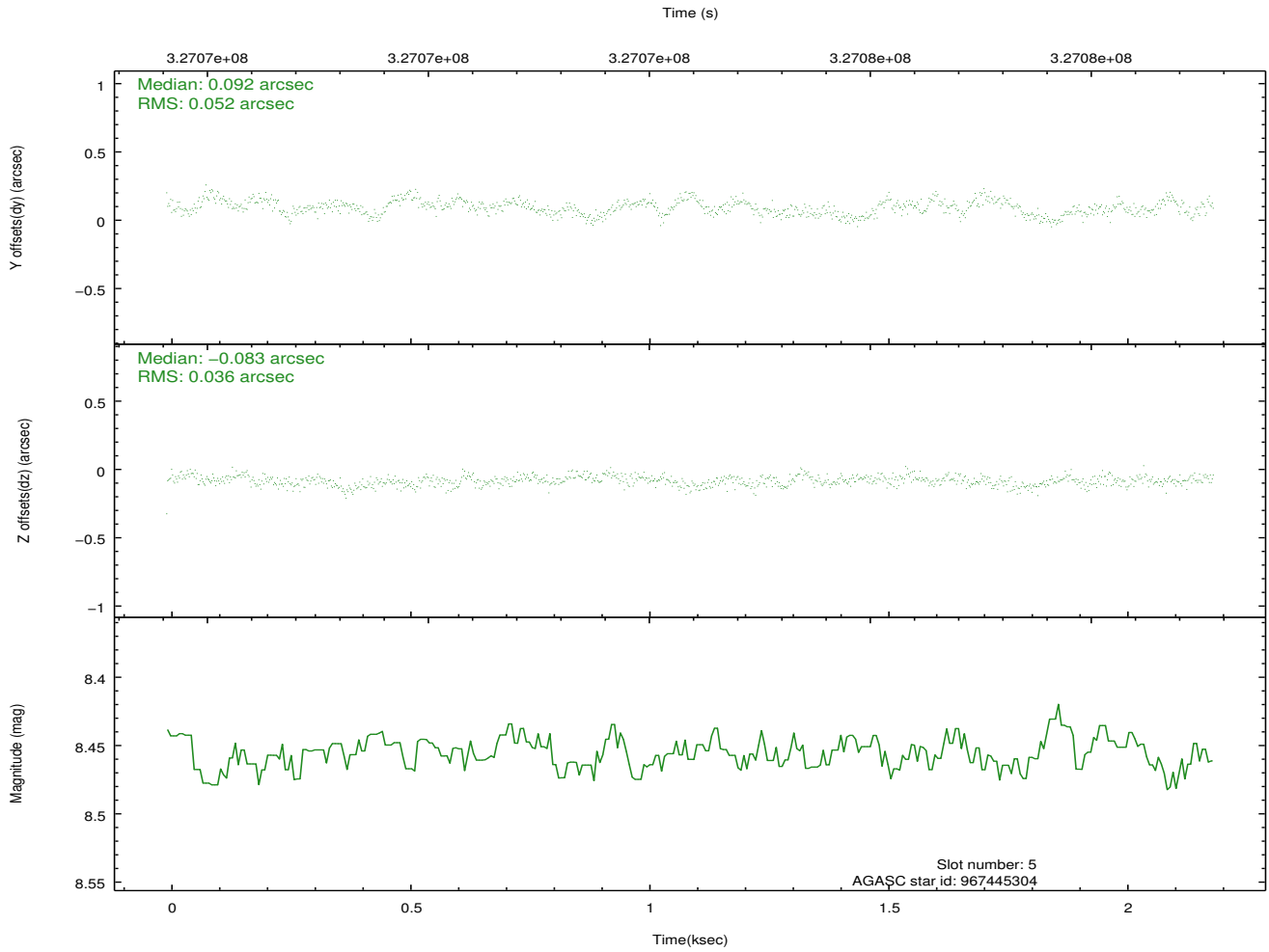
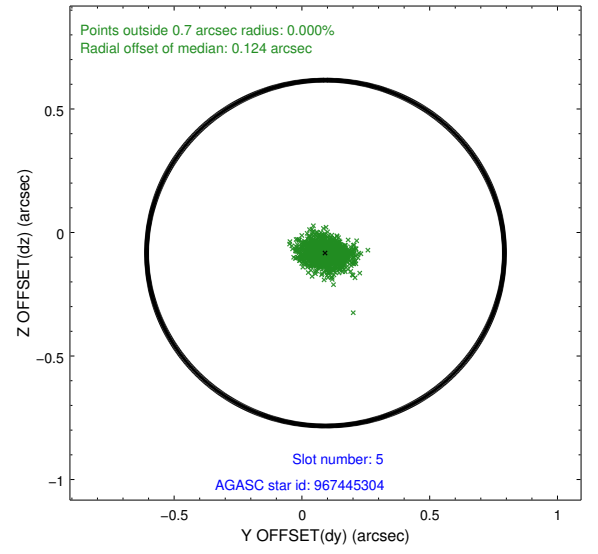
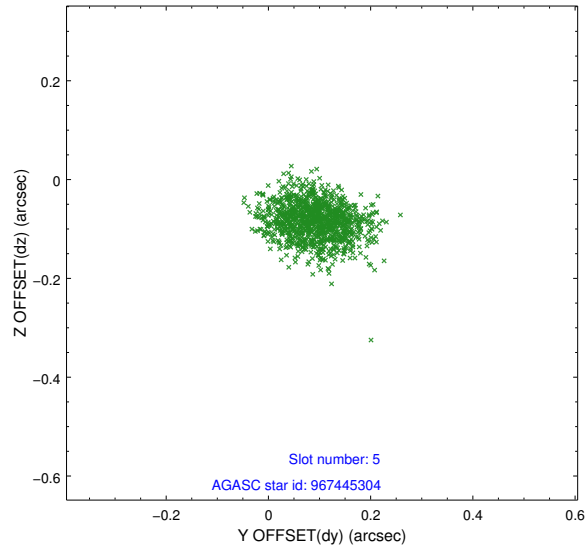
2.4.1 Slot 3



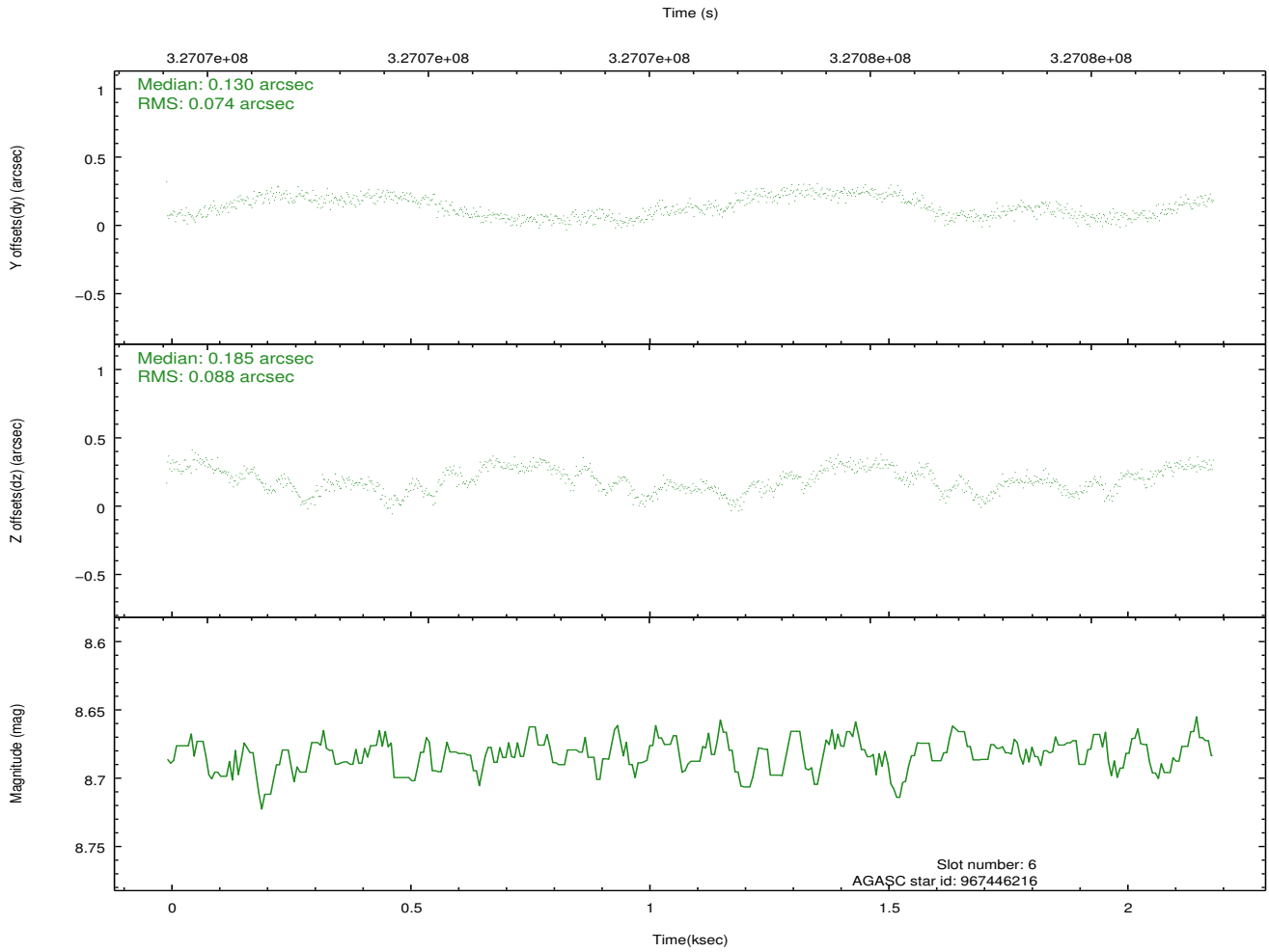
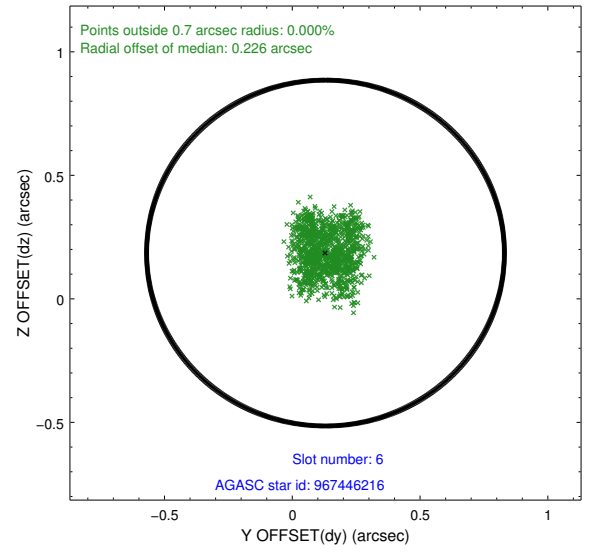
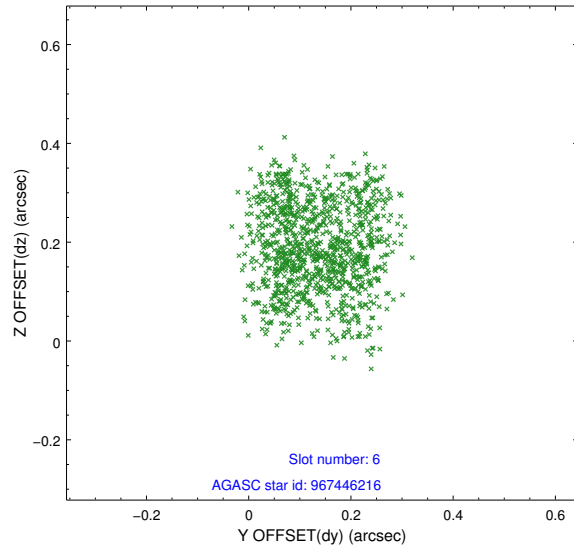
2.4.2 Slot 4



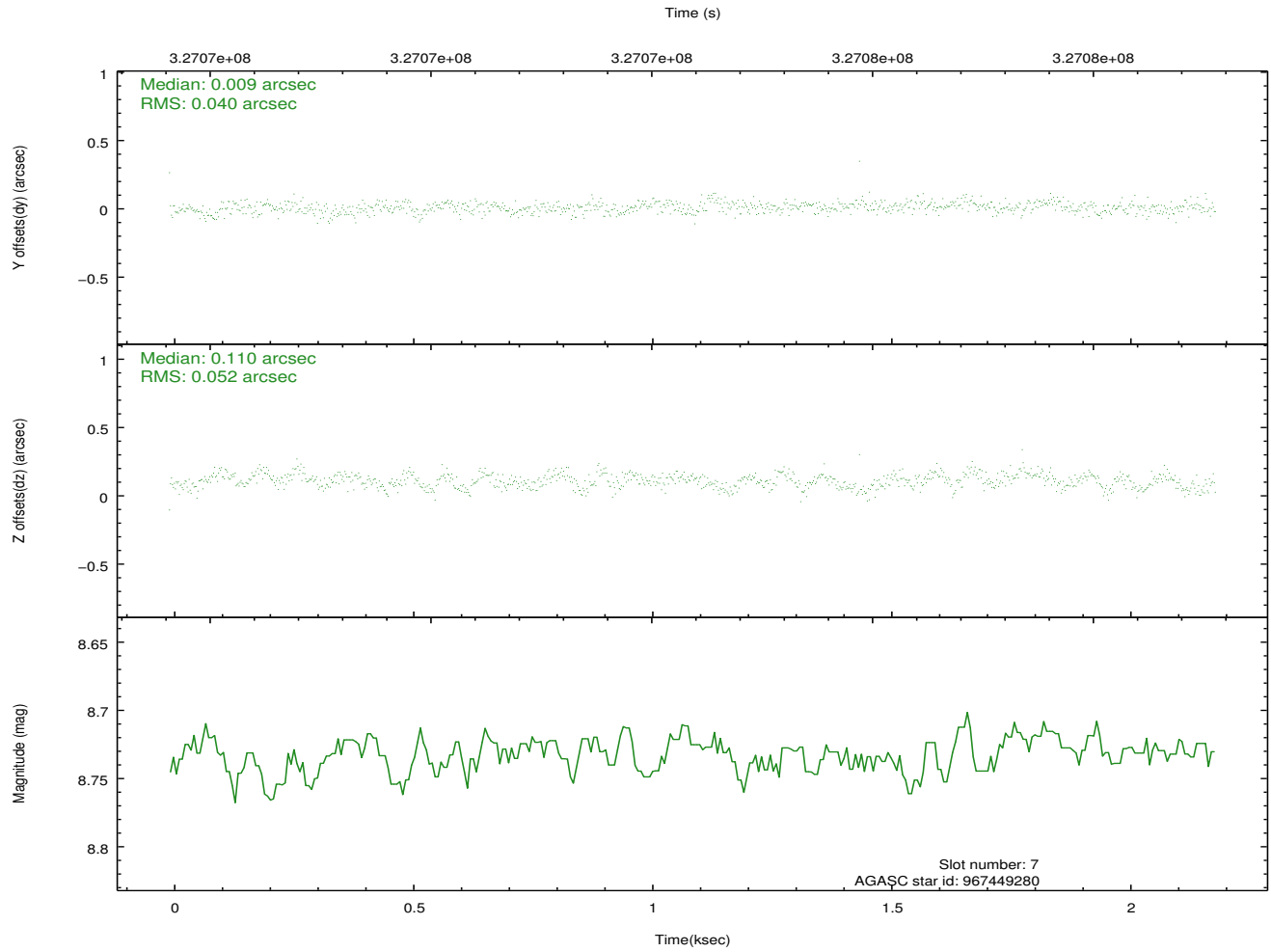
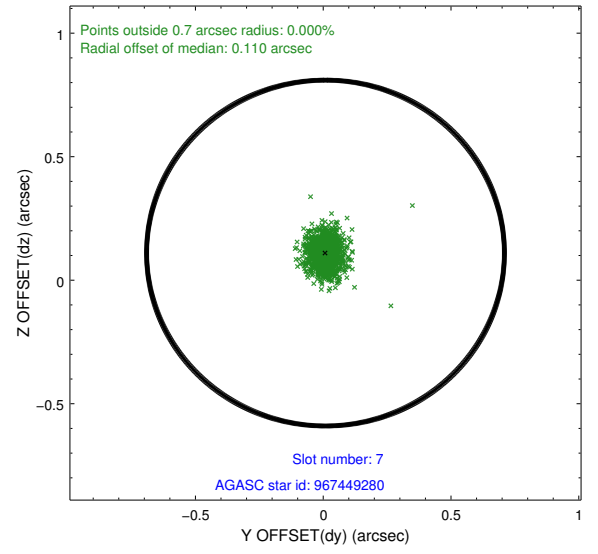
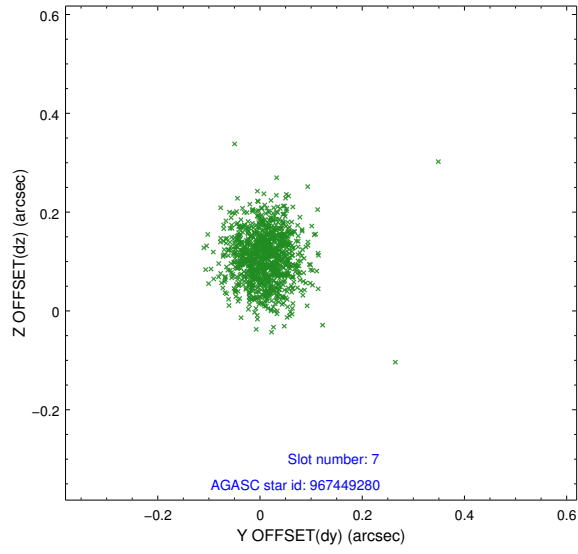
2.4.3 Slot 5



2.4.4 Slot 6

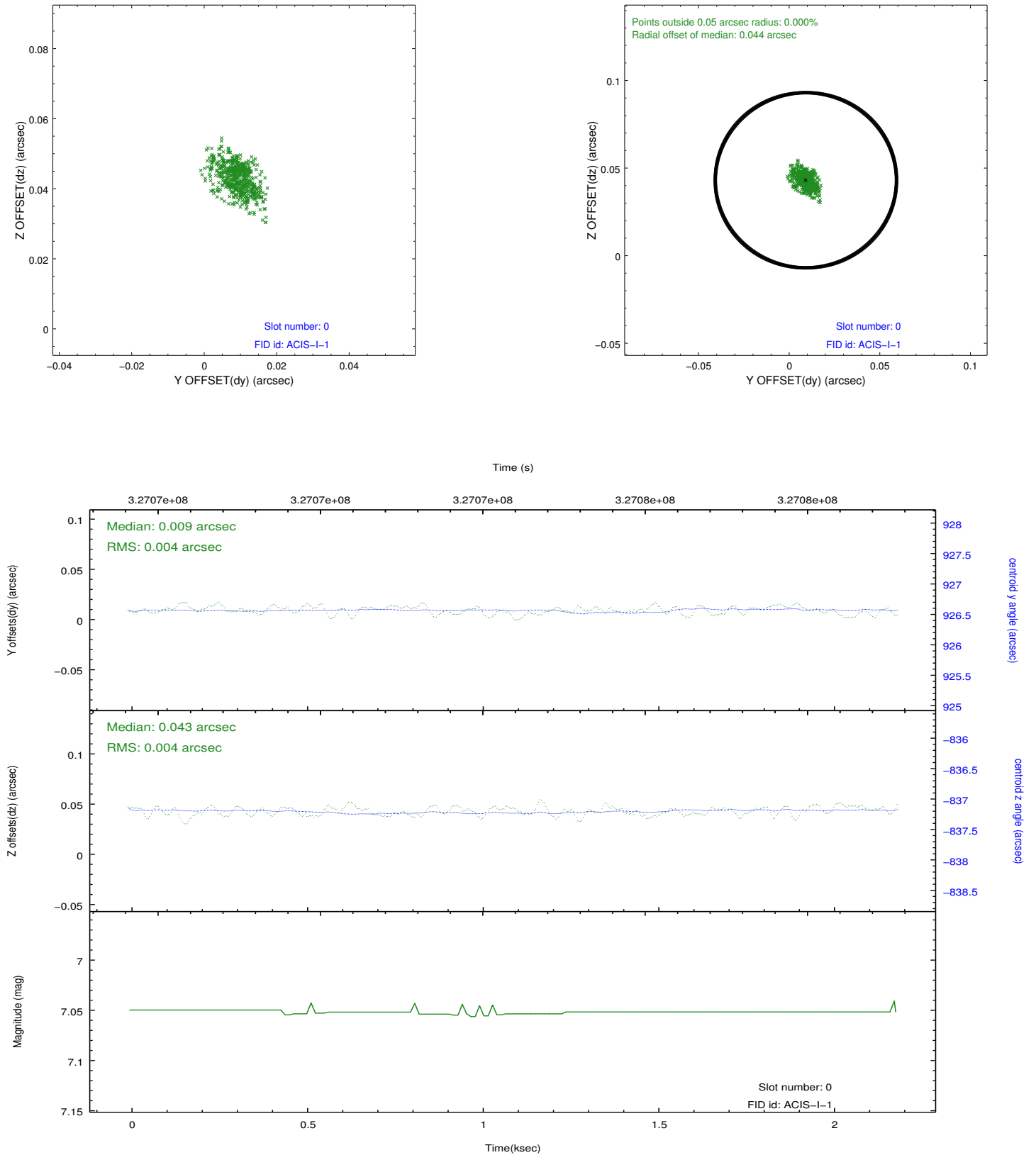


2.4.5 Slot 7

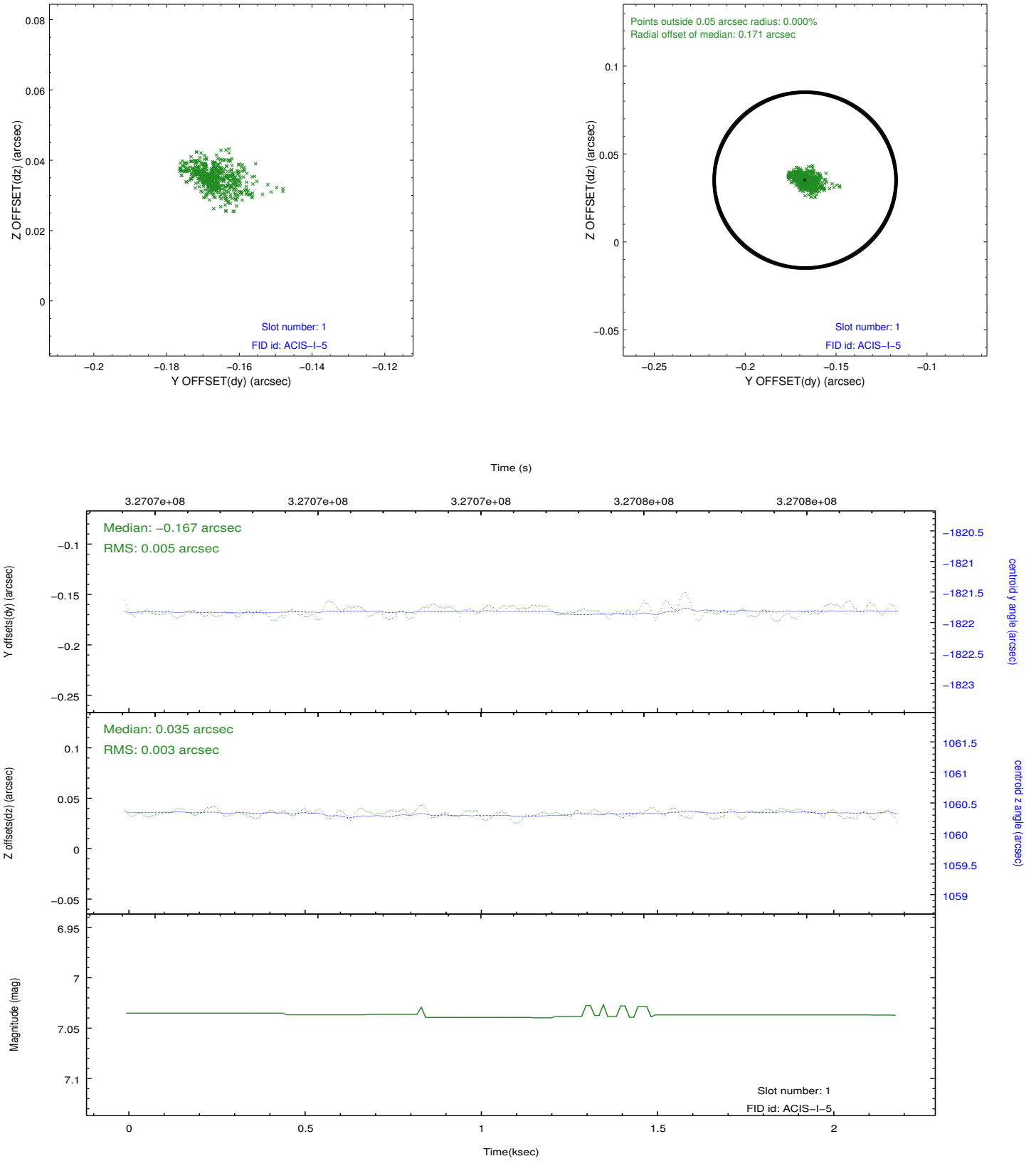


2.5 FID Slots

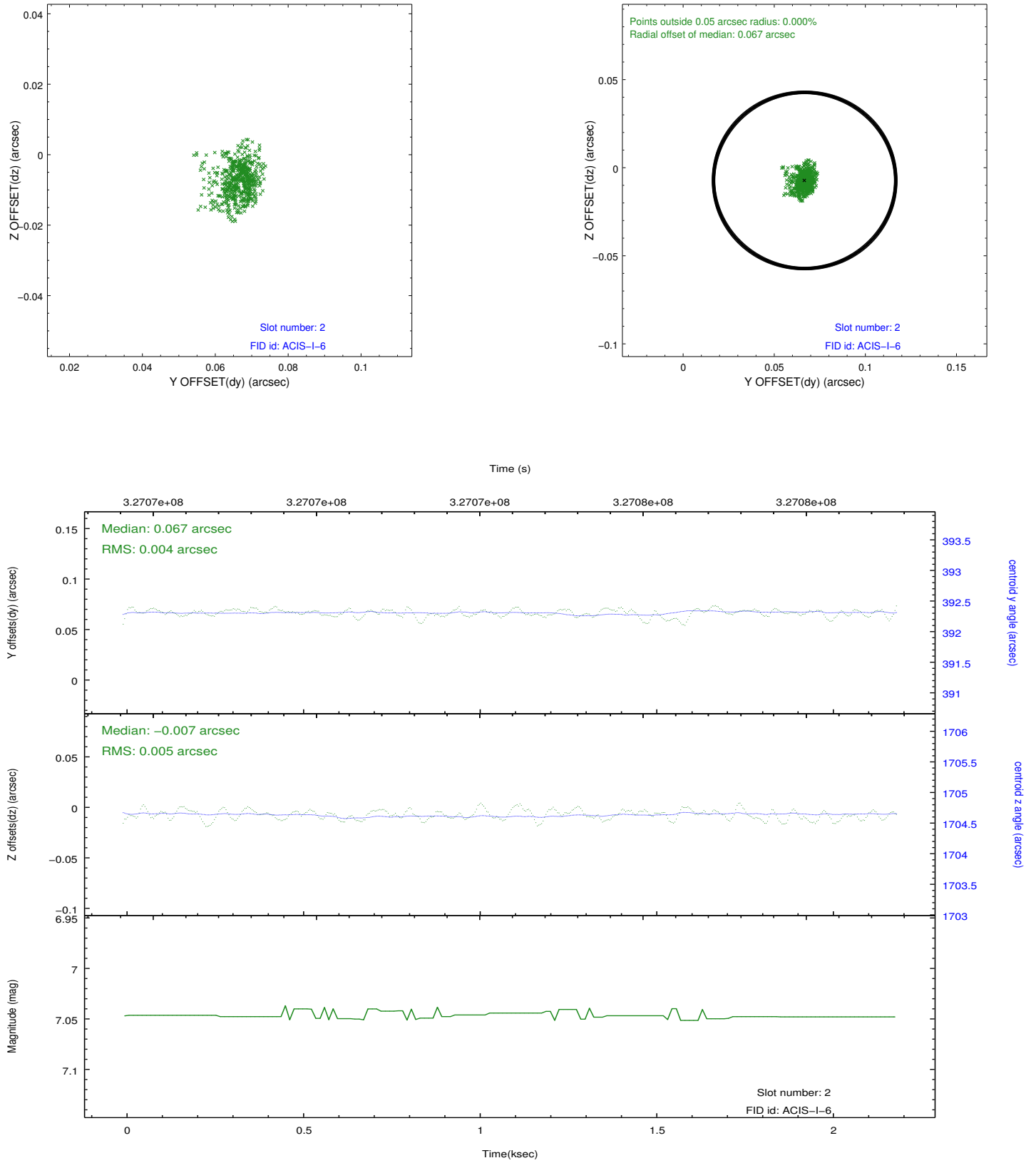
2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments

Joint Proposal: NOAO