

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8735 - L2 Version 2
Chandra X-Ray Center

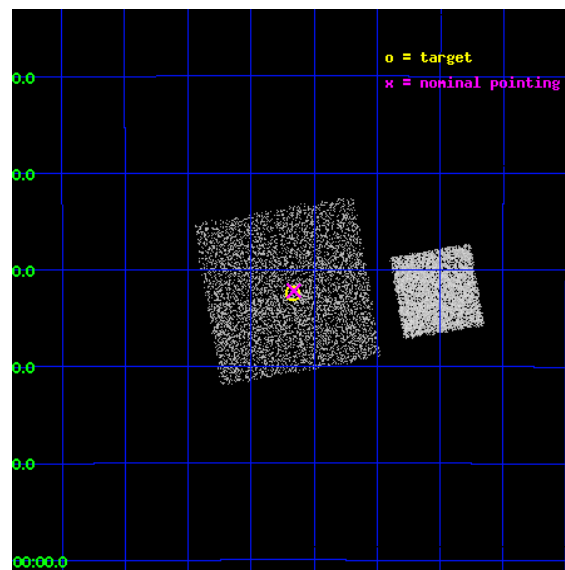
L2 Processing Date : May 14 2012

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1 Front

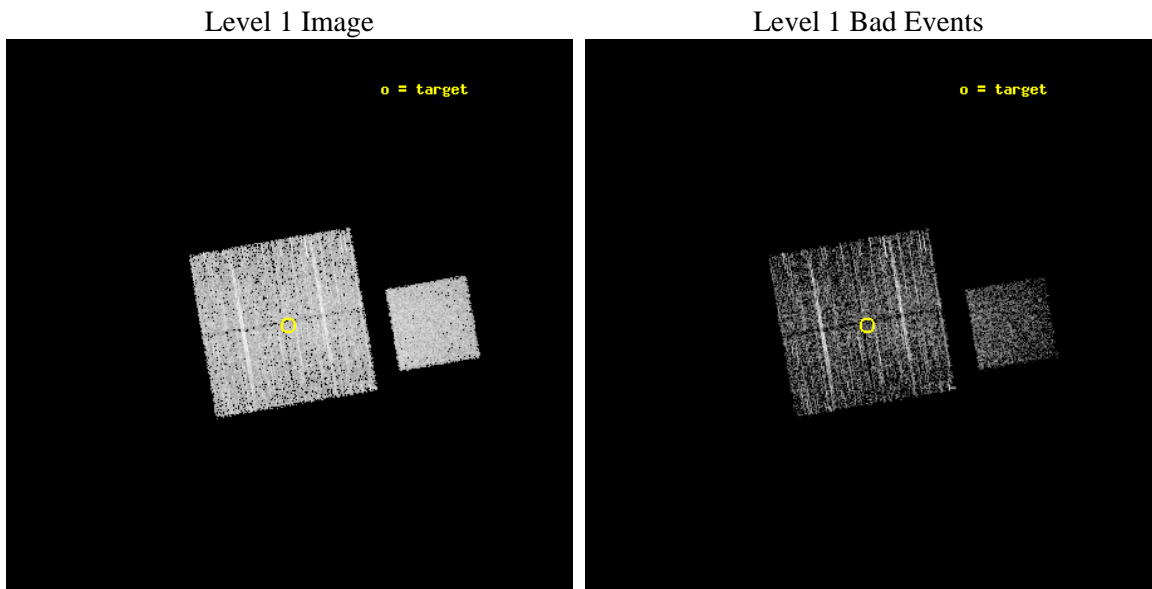
seq_num	400786	Sequence number
obs_id	8735	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.666947	Observer's specified target RA [deg]
dec_targ	-28.541471	Observer's specified target Dec [deg]
ra_nom	268.66508354635	Nominal RA [deg]
dec_nom	-28.536553614741	Nominal Dec [deg]
roll_nom	80.207962044408	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	16264	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	2012-05-14T23:31:57	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	102771	Number of level 1 events

2.1.4 Events

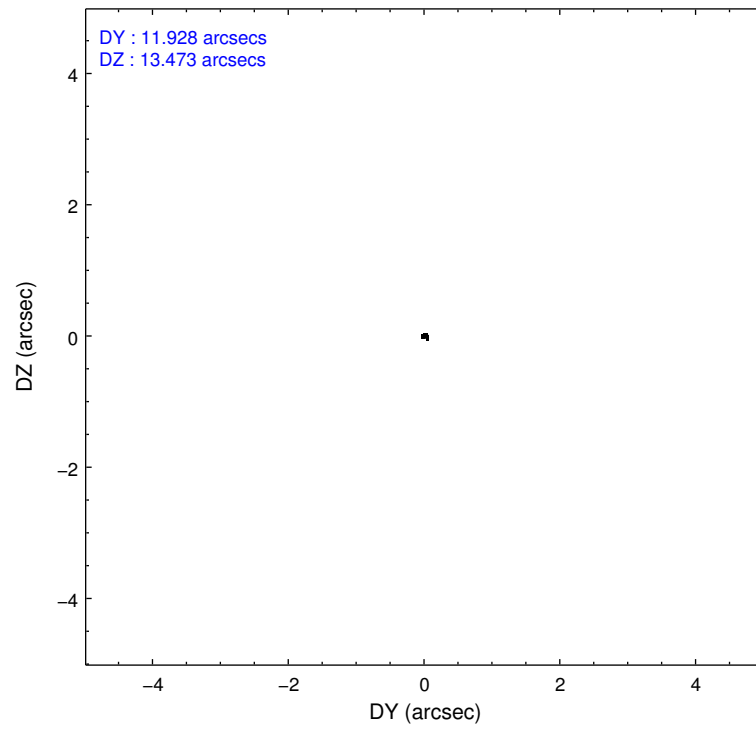
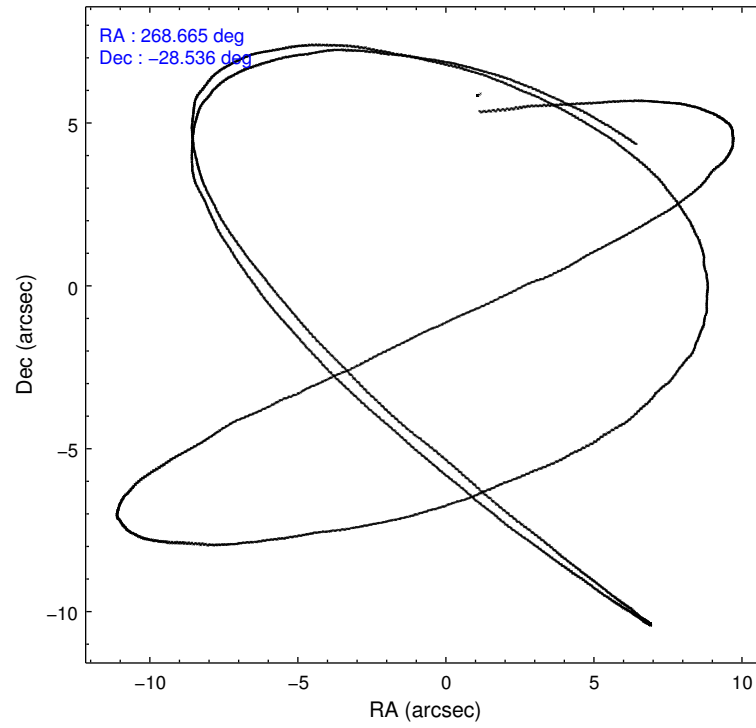
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19123	19562	21742	19697	22647
rejected events	17103	17195	19578	17610	13374
rejected %	89%	87%	90%	89%	59%

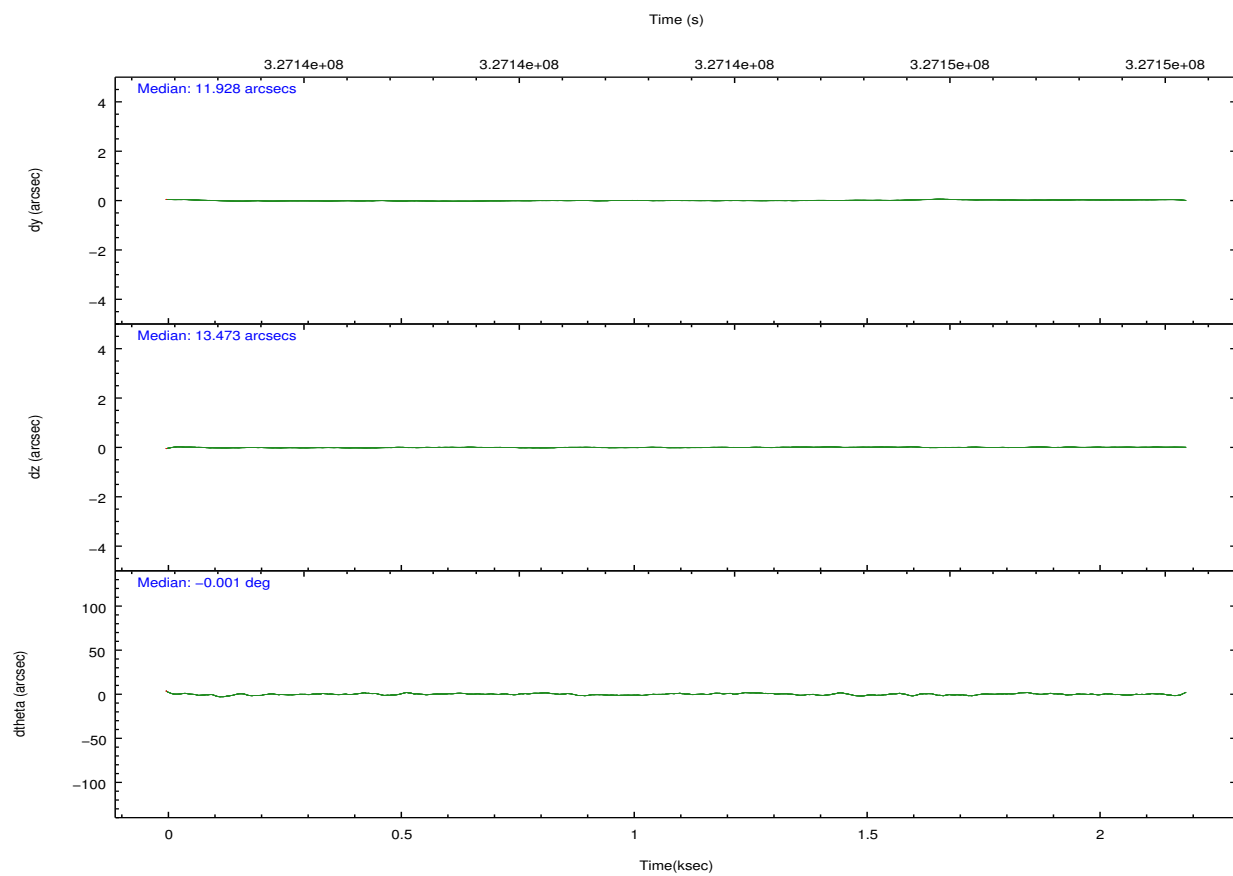
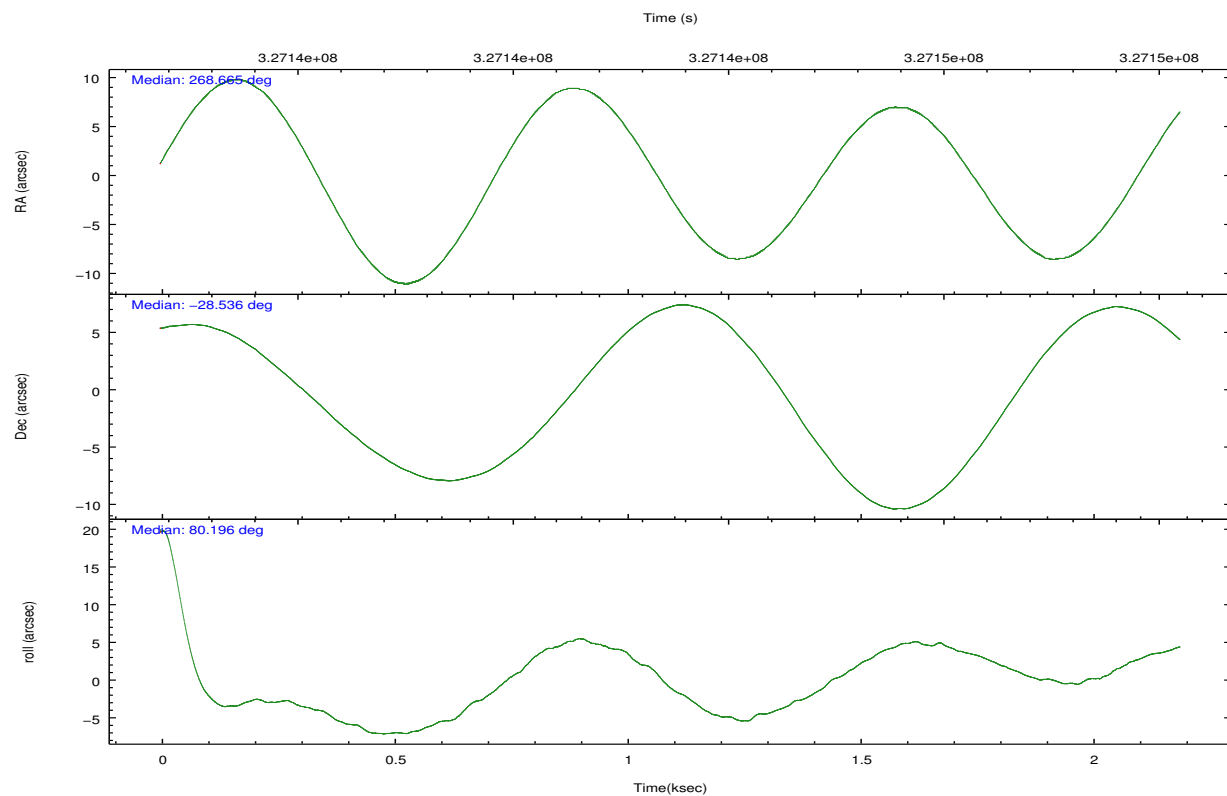
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	963	1169	1120	1050	1091
	5%	5%	5%	5%	4%
grade 1 events	13	16	13	12	26
	0%	0%	0%	0%	0%
grade 2 events	519	558	548	494	2176
	2%	2%	2%	2%	9%
grade 3 events	237	266	214	229	1035
	1%	1%	0%	1%	4%
grade 4 events	196	244	235	223	1021
	1%	1%	1%	1%	4%
grade 5 events	696	813	598	836	2394
	3%	4%	2%	4%	10%
grade 6 events	431	476	385	381	5397
	2%	2%	1%	1%	23%
grade 7 events	16068	16020	18629	16472	9507
	84%	81%	85%	83%	41%

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	268.676022	268.6650835463542	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.562507	-28.53655361474094	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004338	80.20796204440826	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)	327143962.184000	327143586.06713	CCD S5 on	N	N
Observation start date	2008-05-14T09:18:17	2008-05-14T09:13:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327145962.184000	327146095.77975	On-chip summing requested	N	N
Observation end date	2008-05-14T09:51:37	2008-05-14T09:54:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



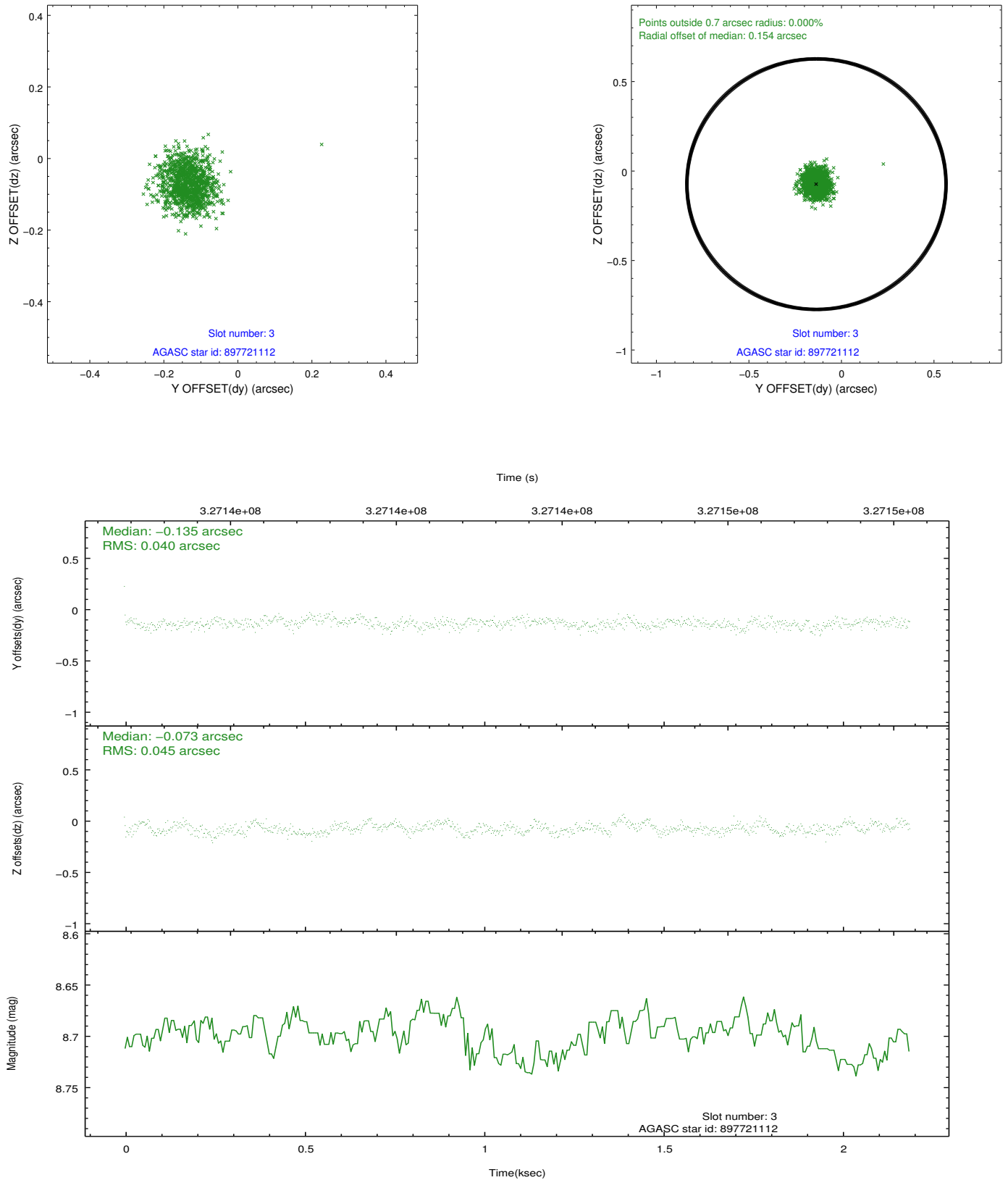


Slot Statistics

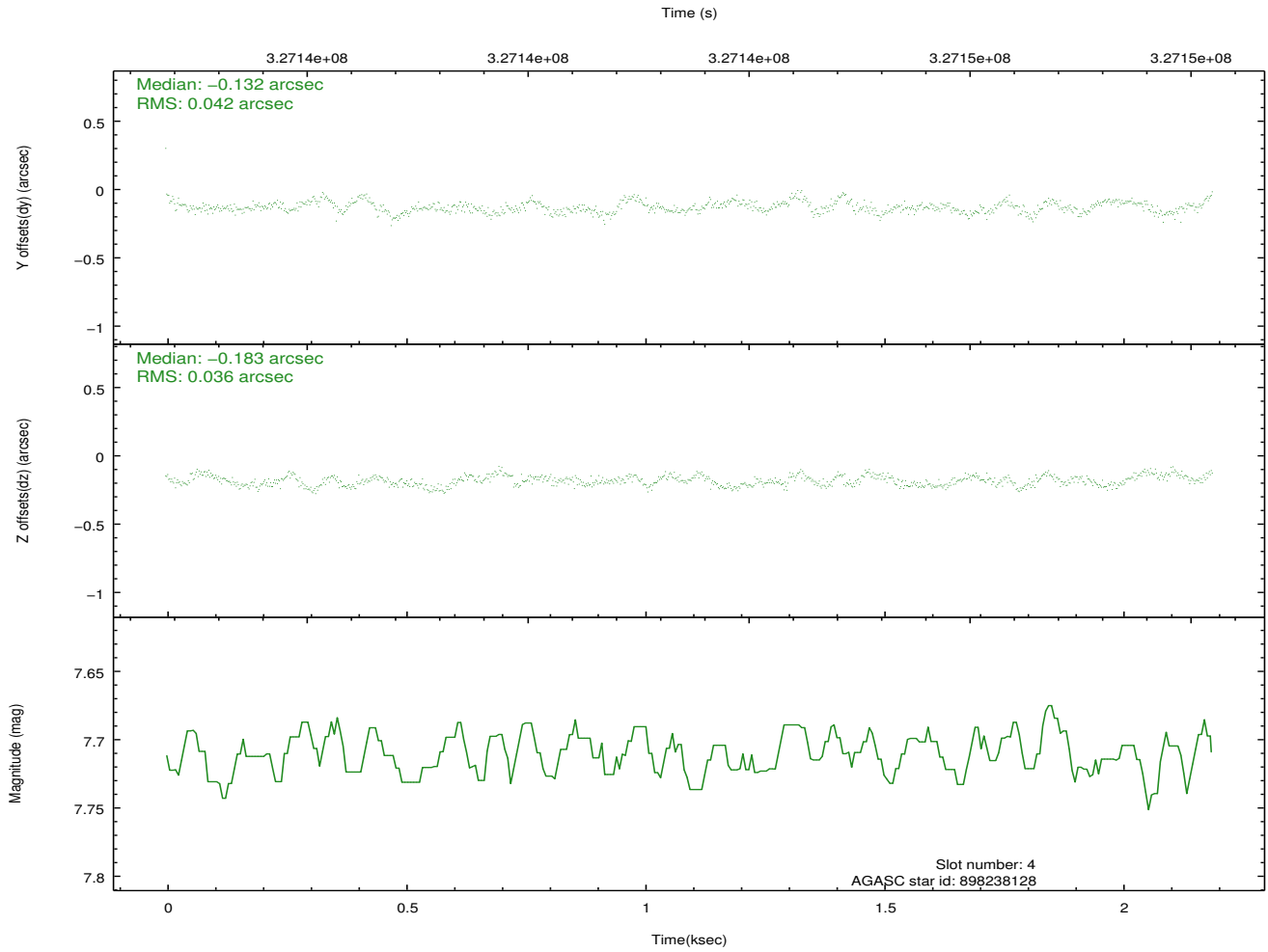
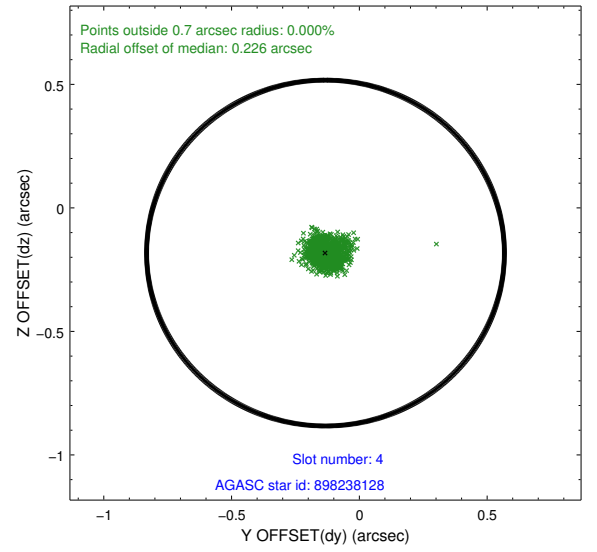
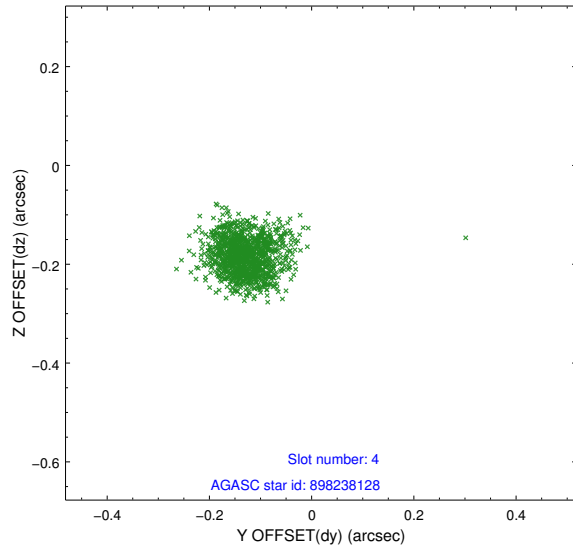
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	535	-0.057	0.083	0.008	0.014	0.000000	0.000000	927.54	-836.96
1	FID	ACIS-I-2	6.97	535	-0.126	-0.081	0.007	0.012	0.000000	0.000000	-764.97	-845.03
2	FID	ACIS-I-4	7.00	535	0.083	0.065	0.007	0.012	0.000000	0.000000	2146.24	1061.31
3	GUIDE	897721112	8.70	1068	-0.135	-0.073	0.064	0.102	268.338159	-28.057278	1602.57	1372.66
4	GUIDE	898238128	7.71	1069	-0.132	-0.183	0.057	0.093	268.450740	-28.688500	-570.07	622.67
5	GUIDE	898243552	8.75	1069	0.292	-0.109	0.080	0.129	267.970066	-28.622317	-606.91	2158.71
6	GUIDE	898258992	7.99	1069	-0.118	0.229	0.057	0.092	269.435214	-28.570389	380.52	-2367.89
7	GUIDE	898236888	8.72	1066	0.094	0.138	0.091	0.150	269.539947	-28.141730	1958.68	-2441.52

2.4 Star Slots

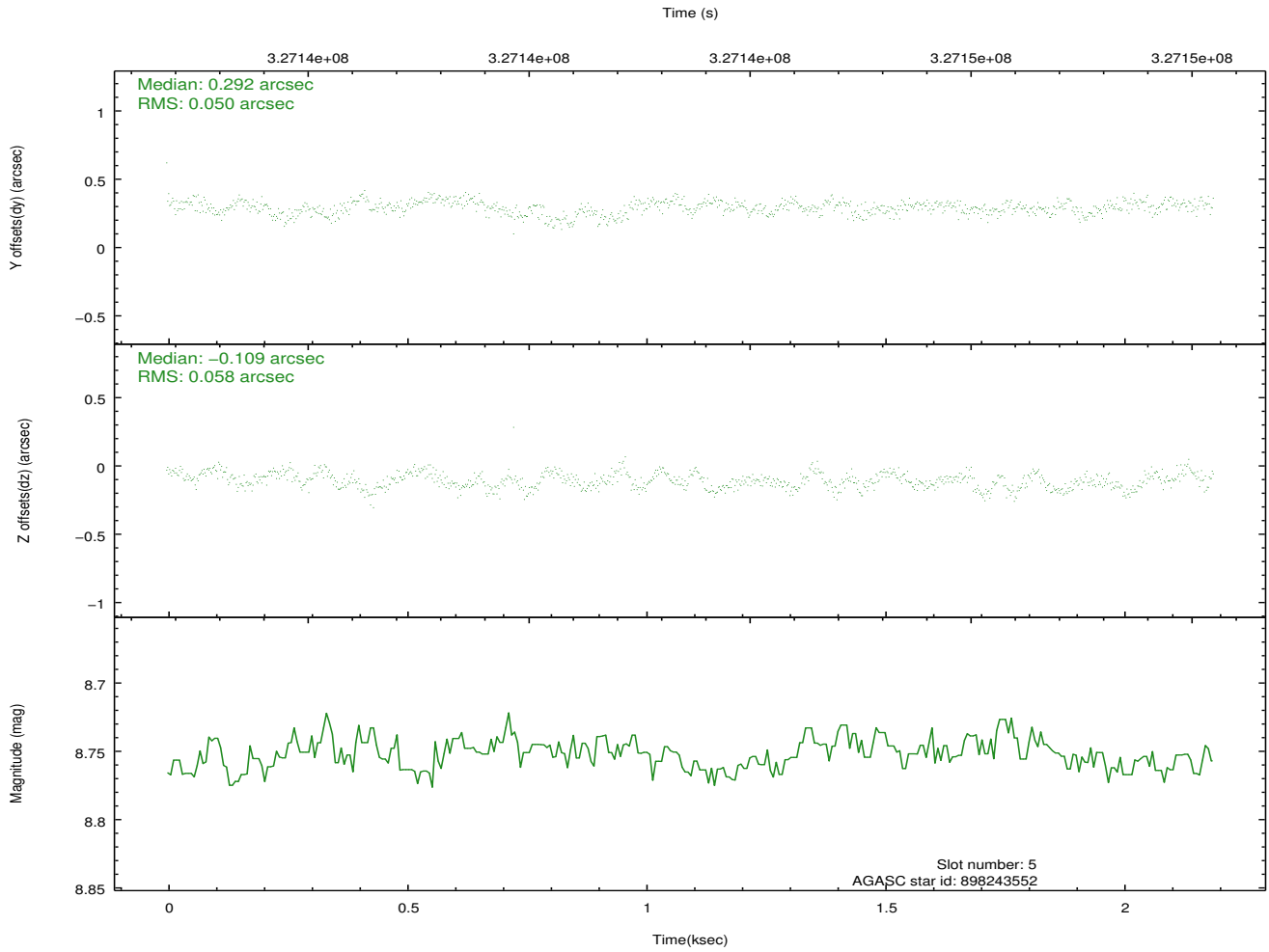
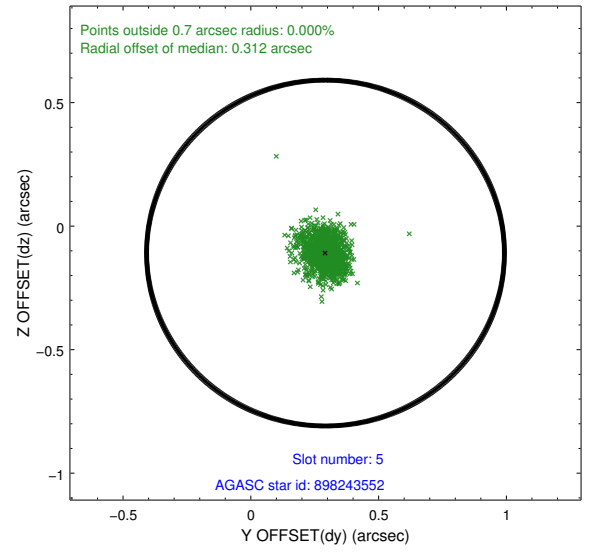
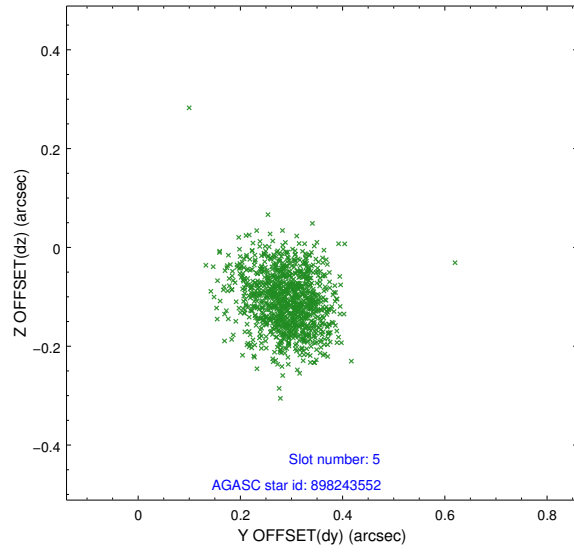
2.4.1 Slot 3



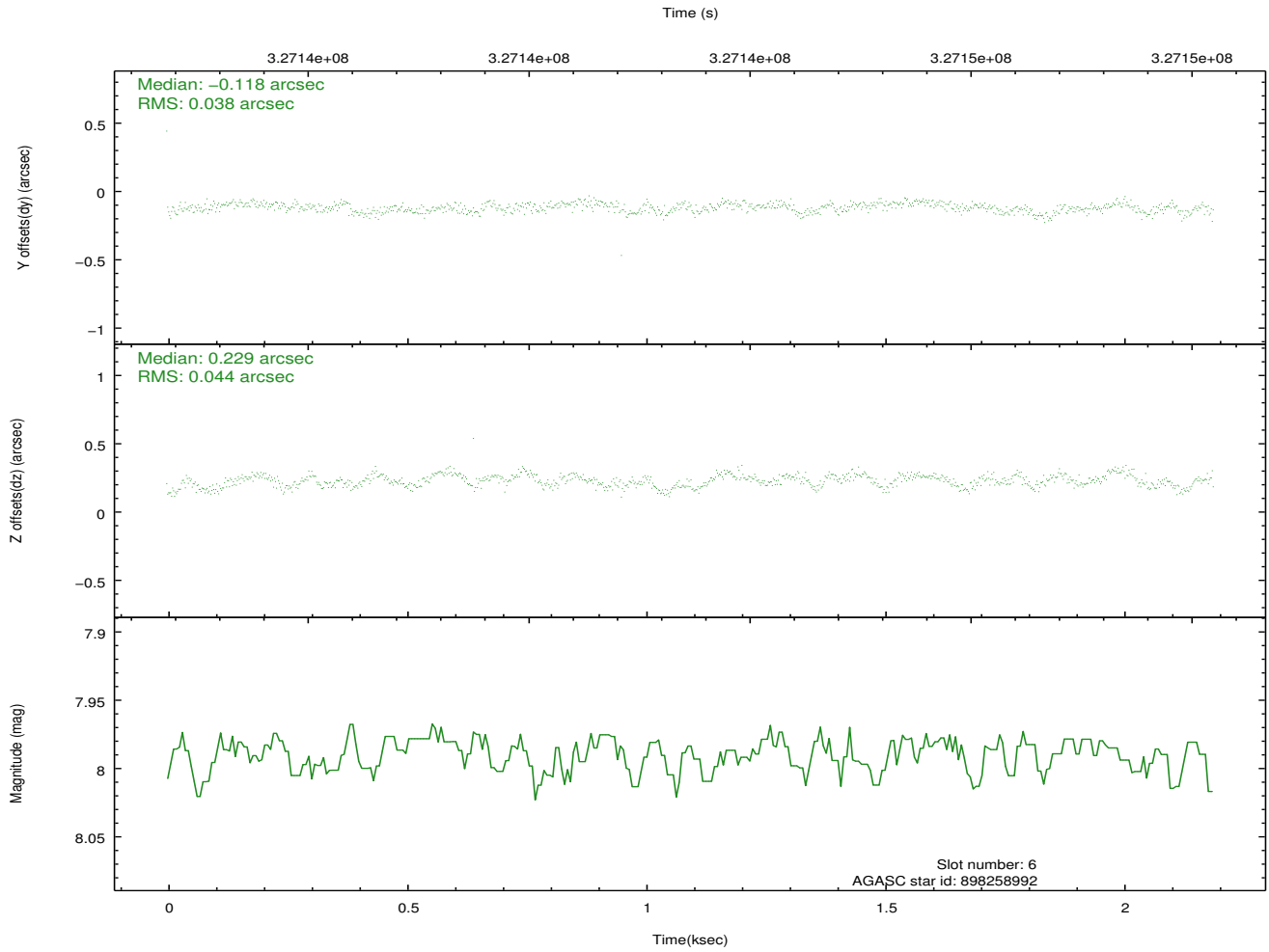
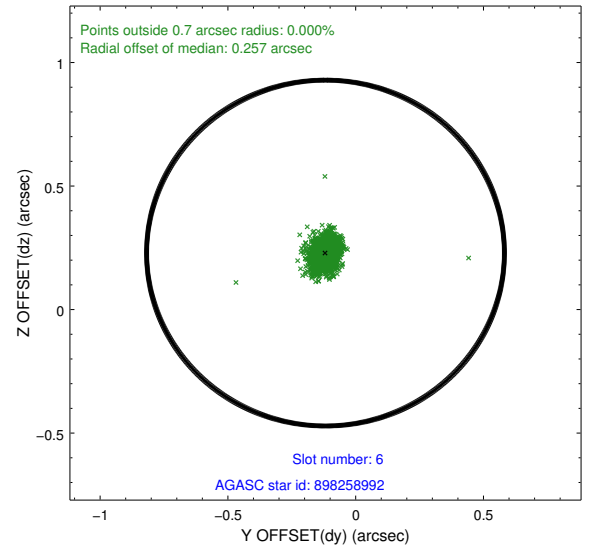
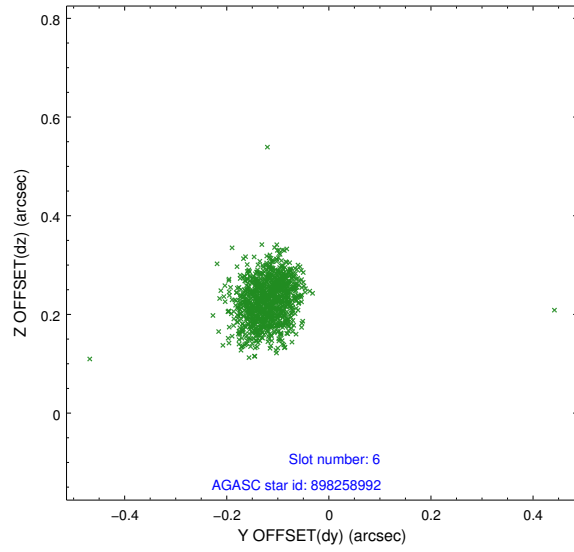
2.4.2 Slot 4



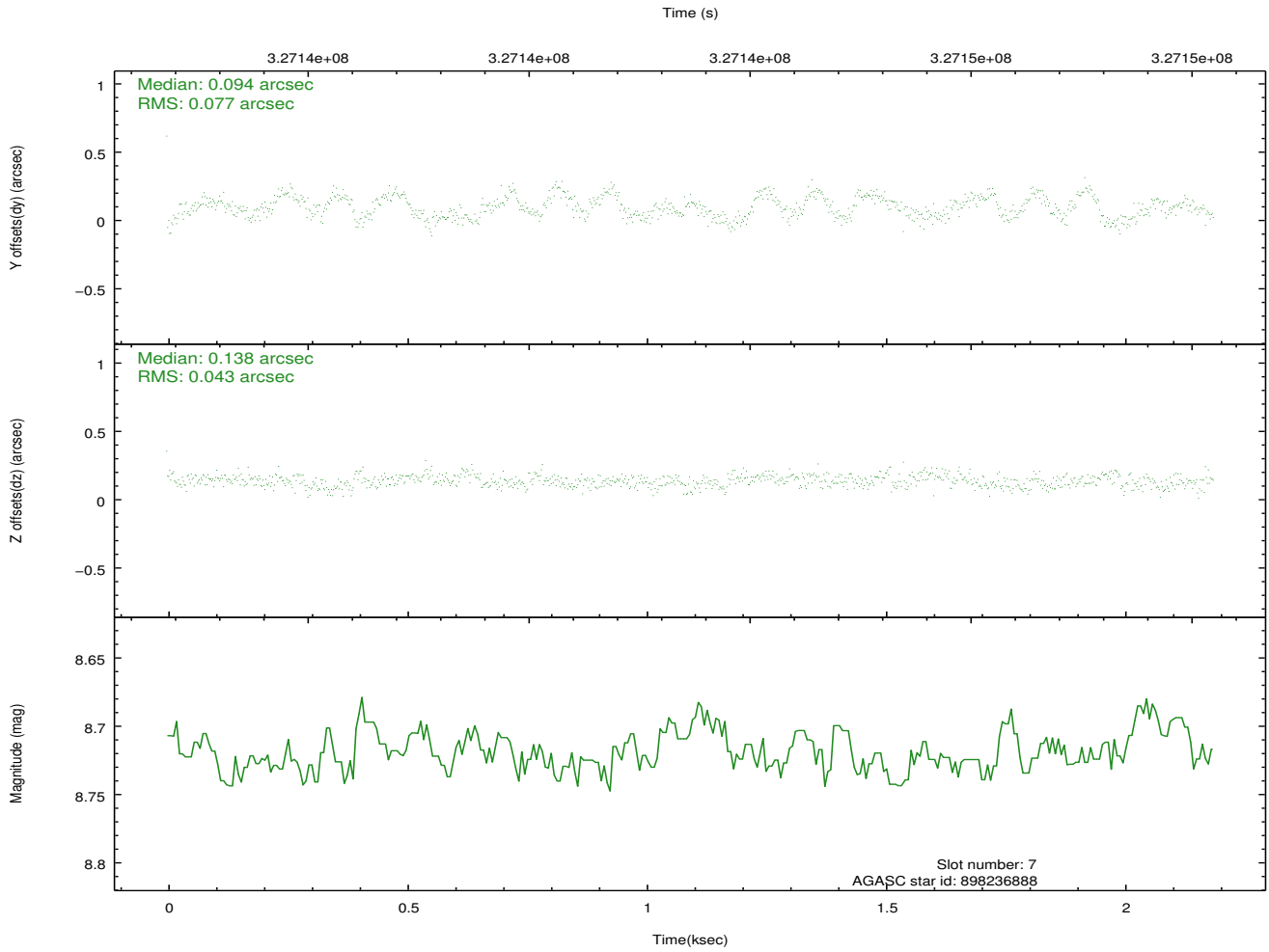
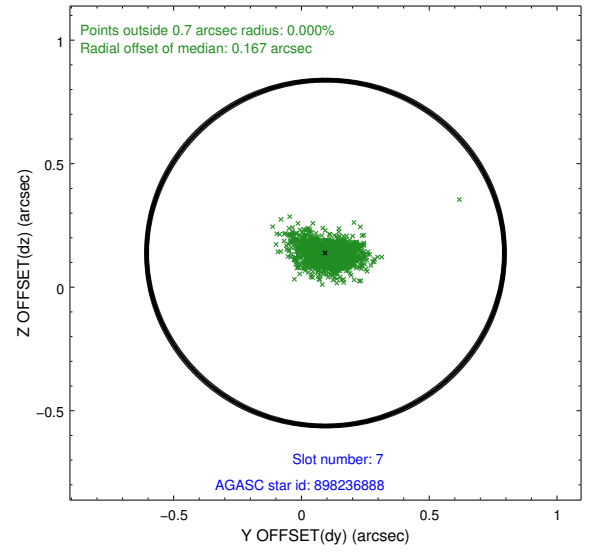
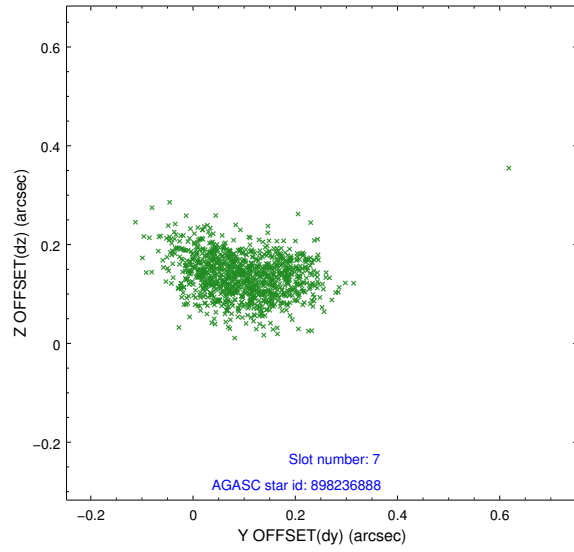
2.4.3 Slot 5



2.4.4 Slot 6

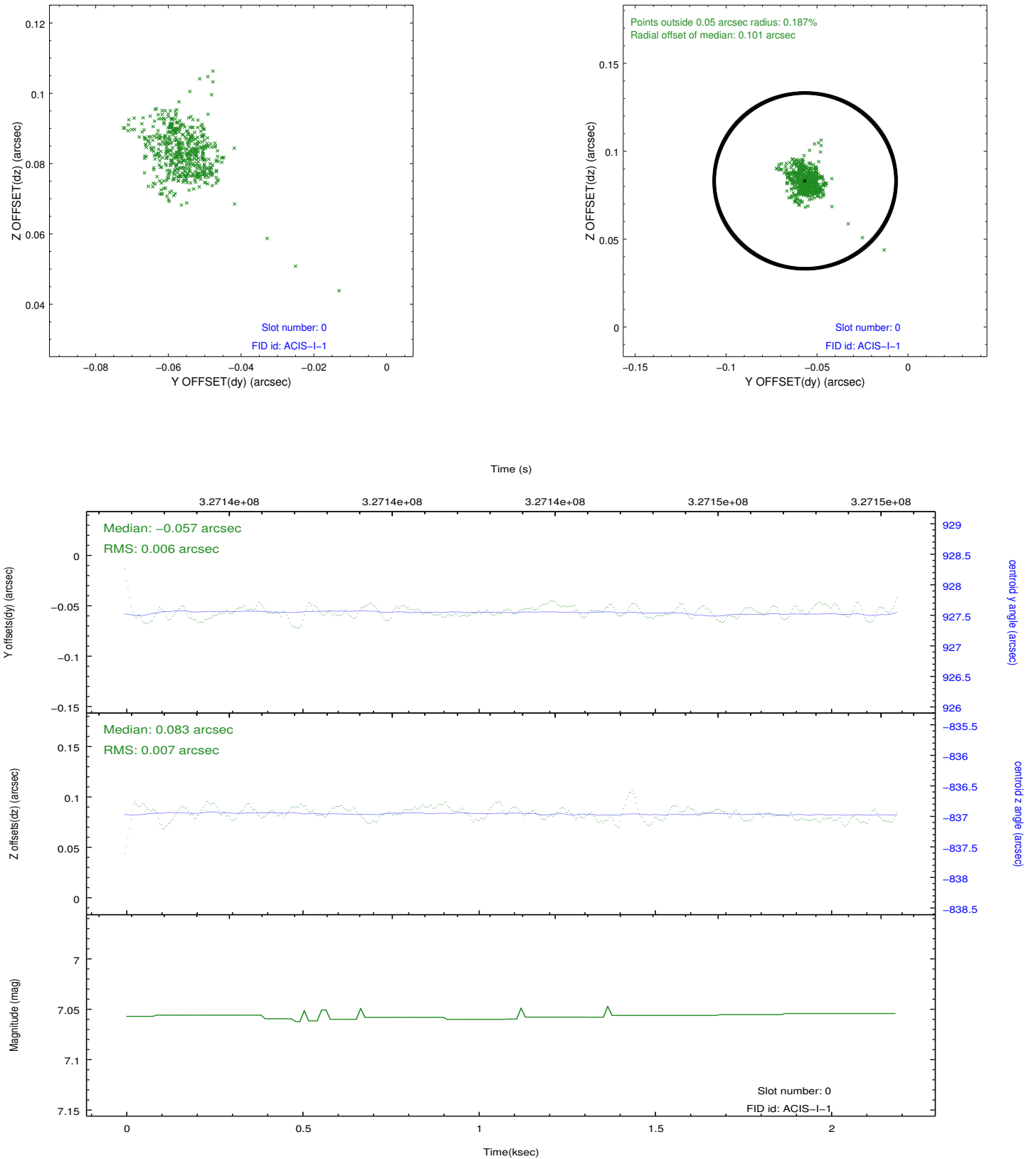


2.4.5 Slot 7

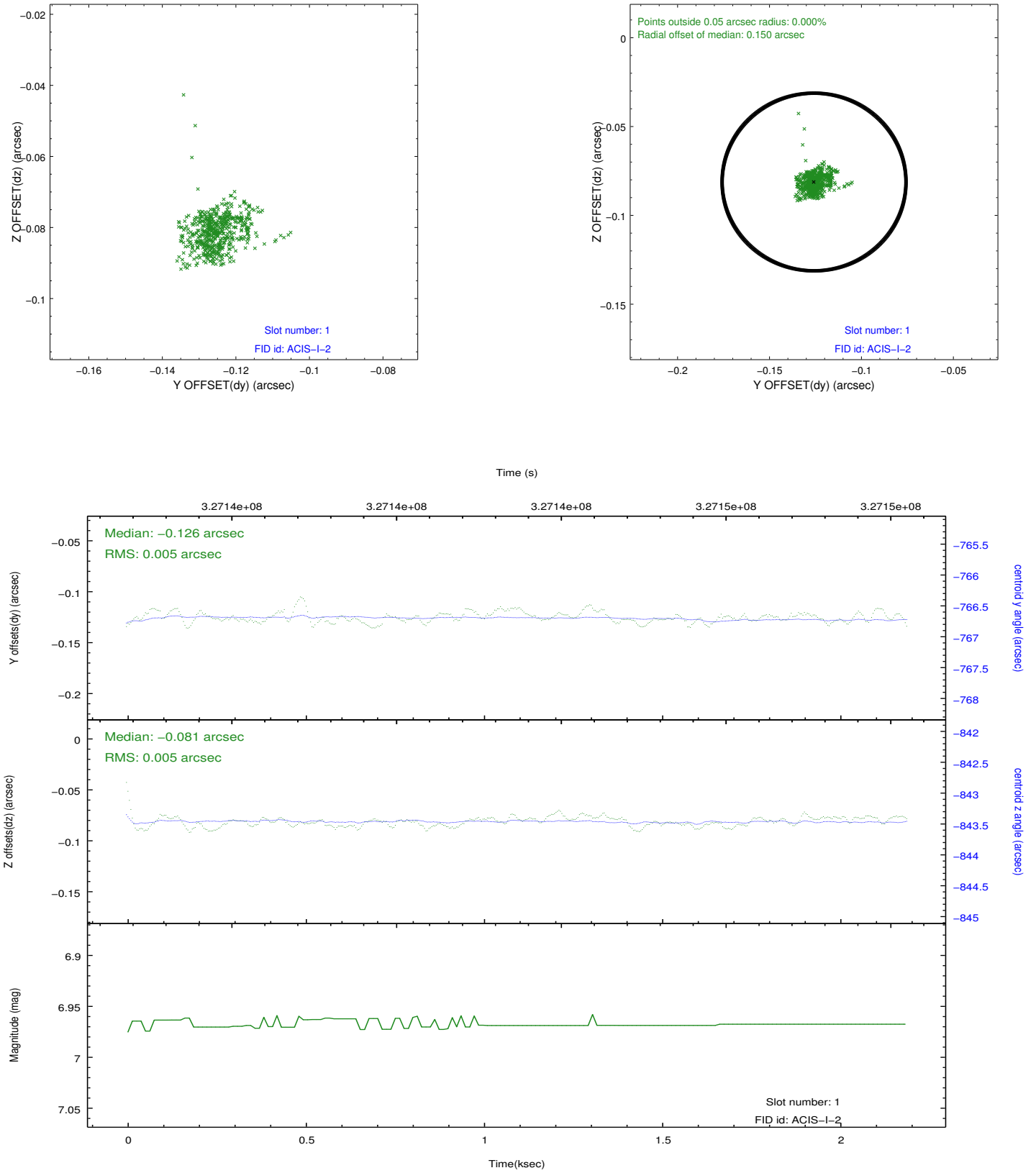


2.5 FID Slots

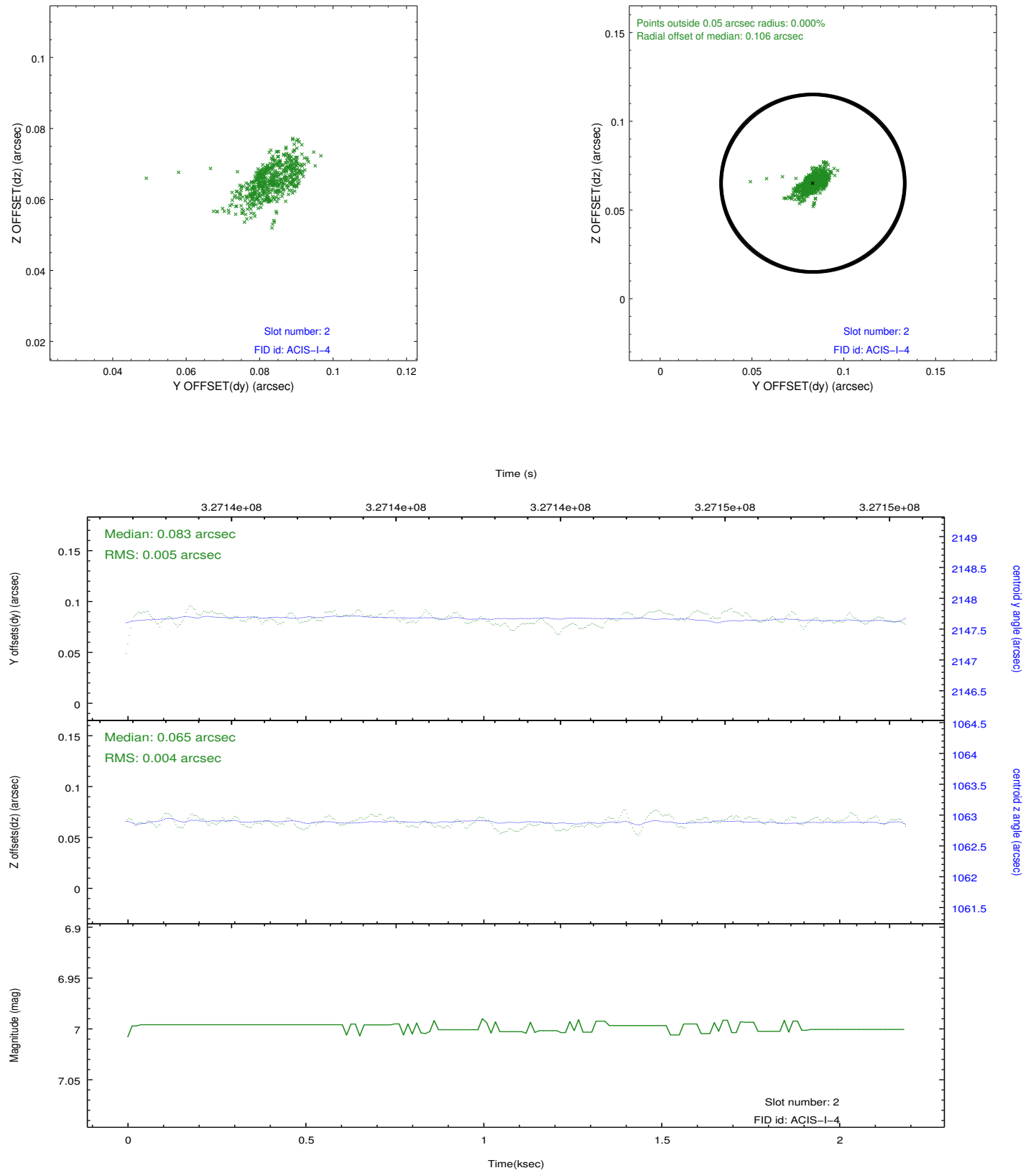
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint proposal with NOAO.