

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9994 - L2 Version 2
Chandra X-Ray Center

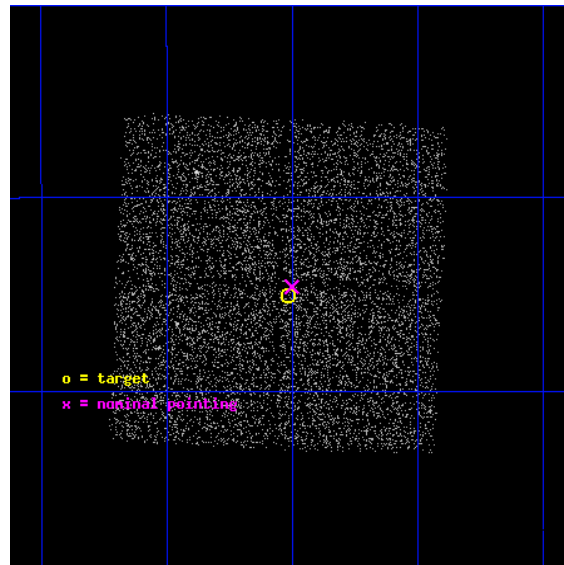
L2 Processing Date : Jun 1 2012

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1 Front

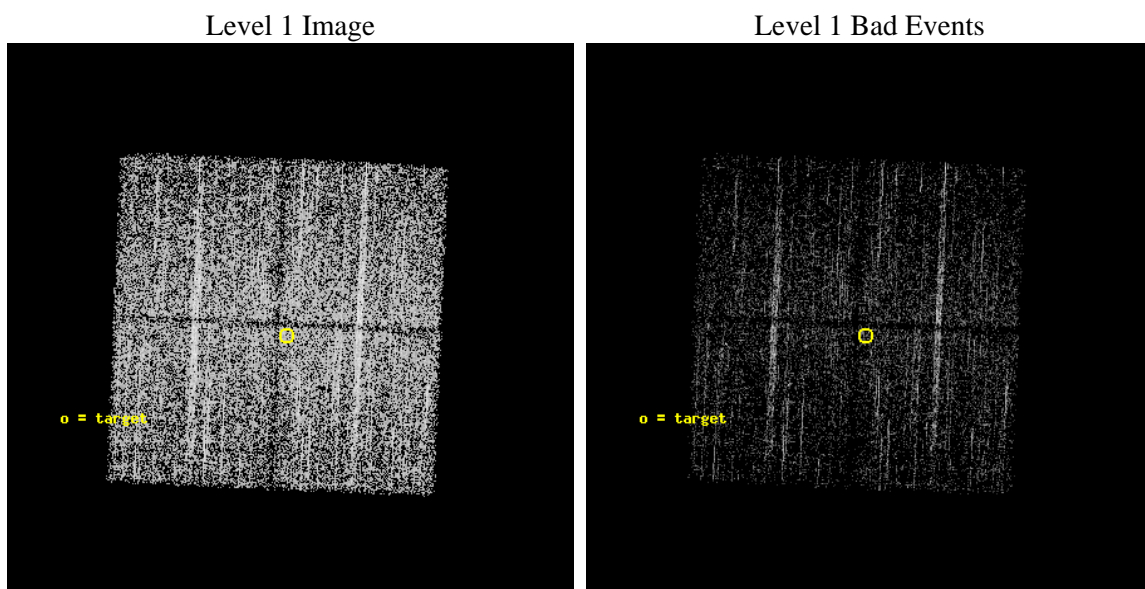
seq_num	400958	Sequence number
obs_id	9994	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.128583	Observer's specified target RA [deg]
dec_targ	-28.918083	Observer's specified target Dec [deg]
ra_nom	264.12540733862	Nominal RA [deg]
dec_nom	-28.910339499166	Nominal Dec [deg]
roll_nom	92.48899228823	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]
l2events	10728	Number of level 2 events



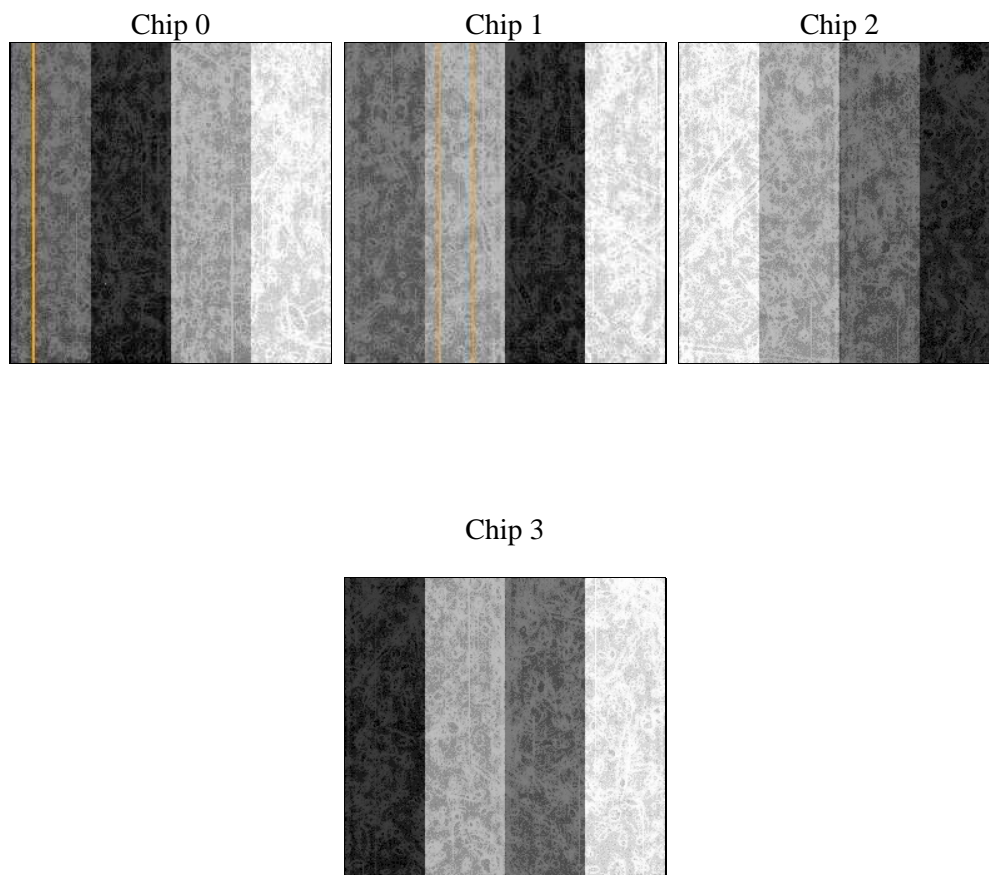
2 OBI

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	2012-06-01T05:51:10	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]
			l1events	98762	Number of level 1 events

2.1.4 Events

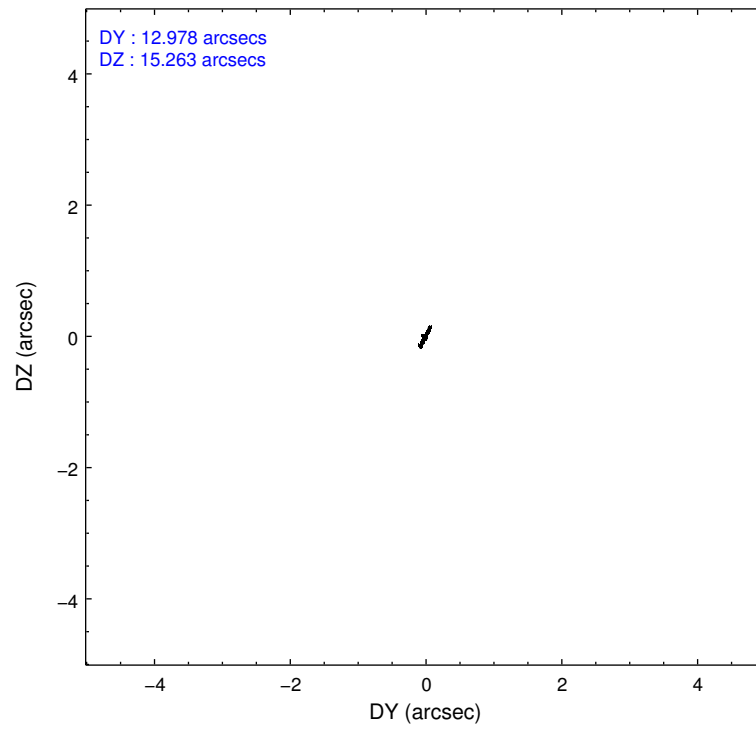
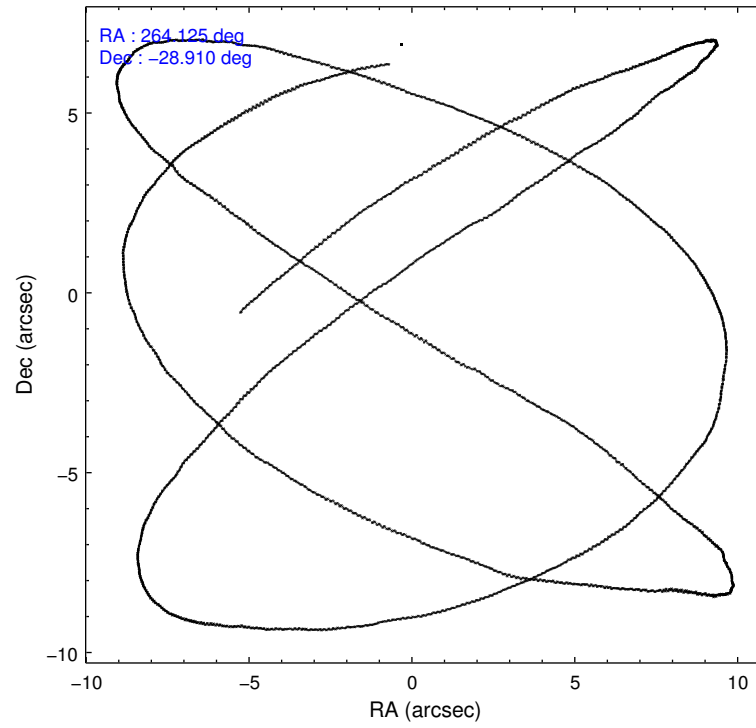
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23269	24228	25437	25828
rejected events	20112	21011	22374	22862
rejected %	86%	86%	87%	88%

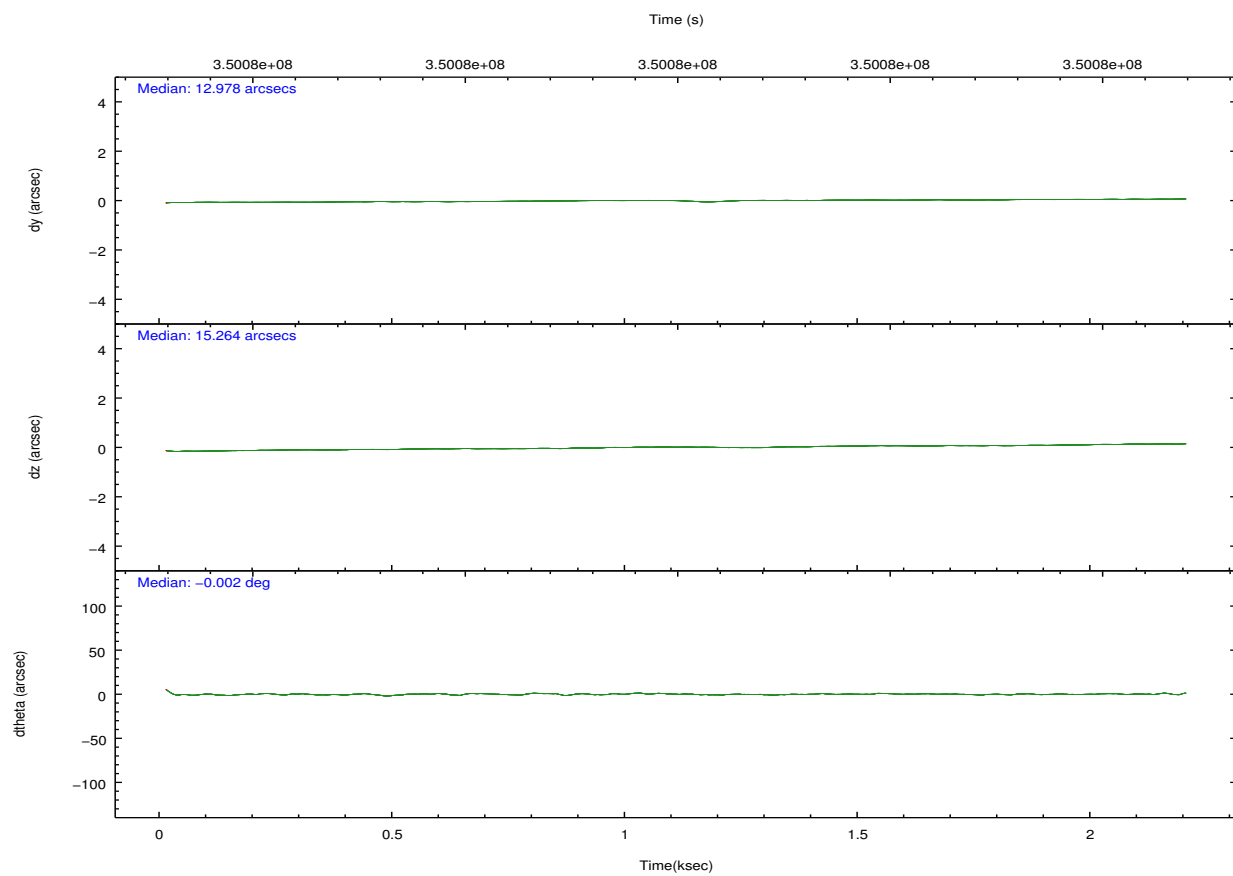
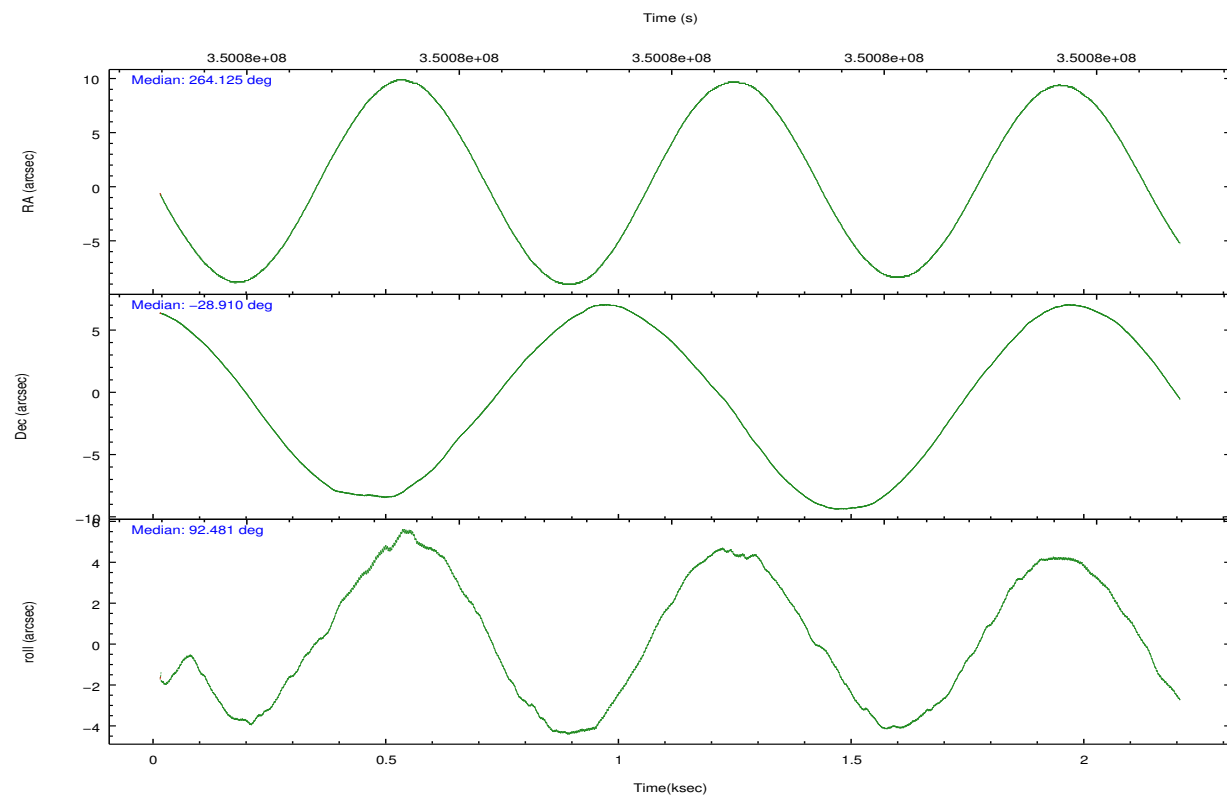
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1616	1478	1655	1611
	6%	6%	6%	6%
grade 1 events	22	13	10	20
	0%	0%	0%	0%
grade 2 events	754	830	727	627
	3%	3%	2%	2%
grade 3 events	334	319	308	311
	1%	1%	1%	1%
grade 4 events	274	332	291	299
	1%	1%	1%	1%
grade 5 events	1097	1174	1067	1185
	4%	4%	4%	4%
grade 6 events	610	735	533	565
	2%	3%	2%	2%
grade 7 events	18562	19347	20846	21210
	79%	79%	81%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.142444	264.1254073386237	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.933608	-28.91033949916561	Alternating exposures requested	N	N
[deg] Pointing Roll	92.288576	92.48899228823018	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	350079598.184000	350079222.20491			
Observation start date	2009-02-03T20:18:52	2009-02-03T20:13:42			
[s] Observation end time (MET)	350081598.184000	350081732.43003			
Observation end date	2009-02-03T20:52:12	2009-02-03T20:55:32			
Read mode	TIMED	TIMED			

2.3 Aspect



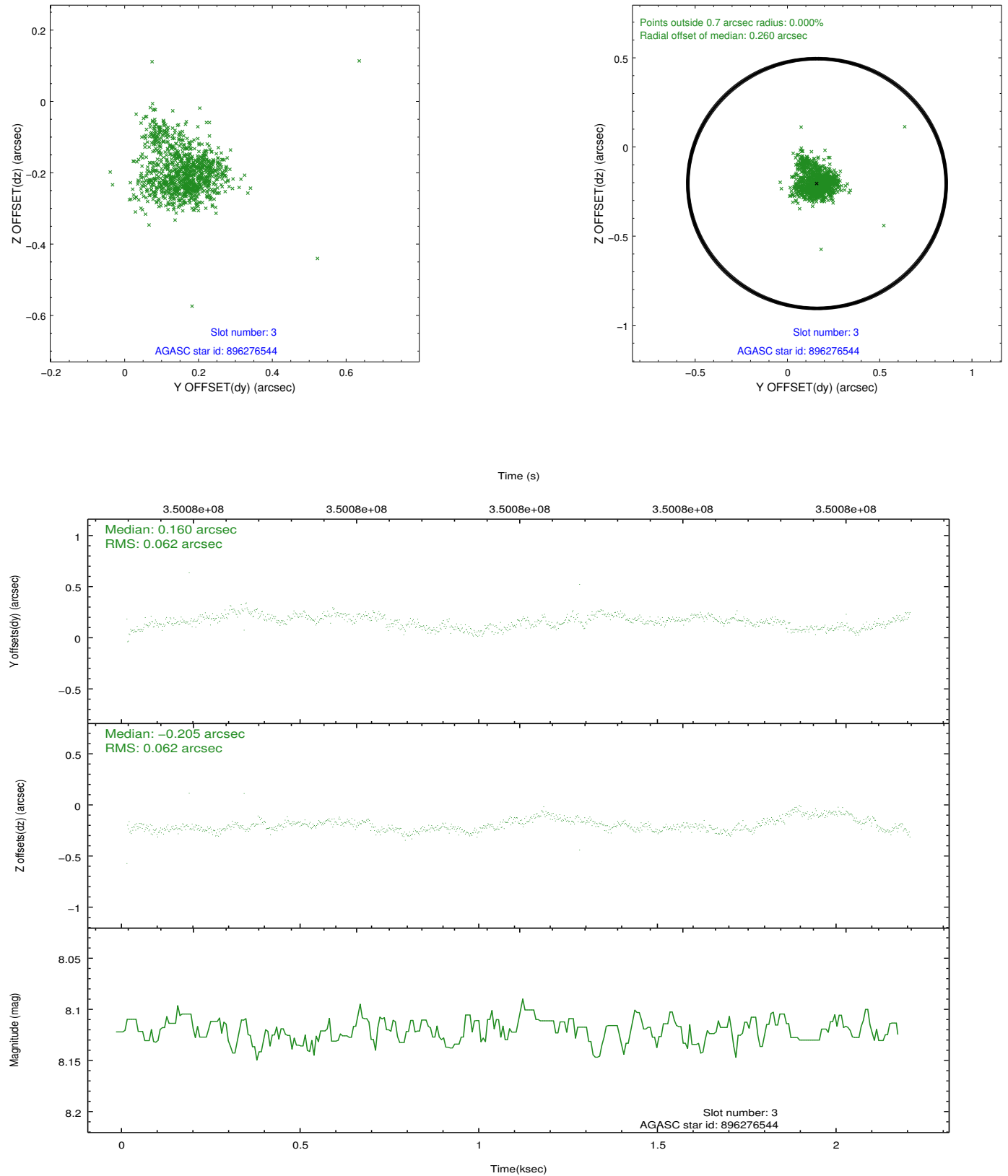


Slot Statistics

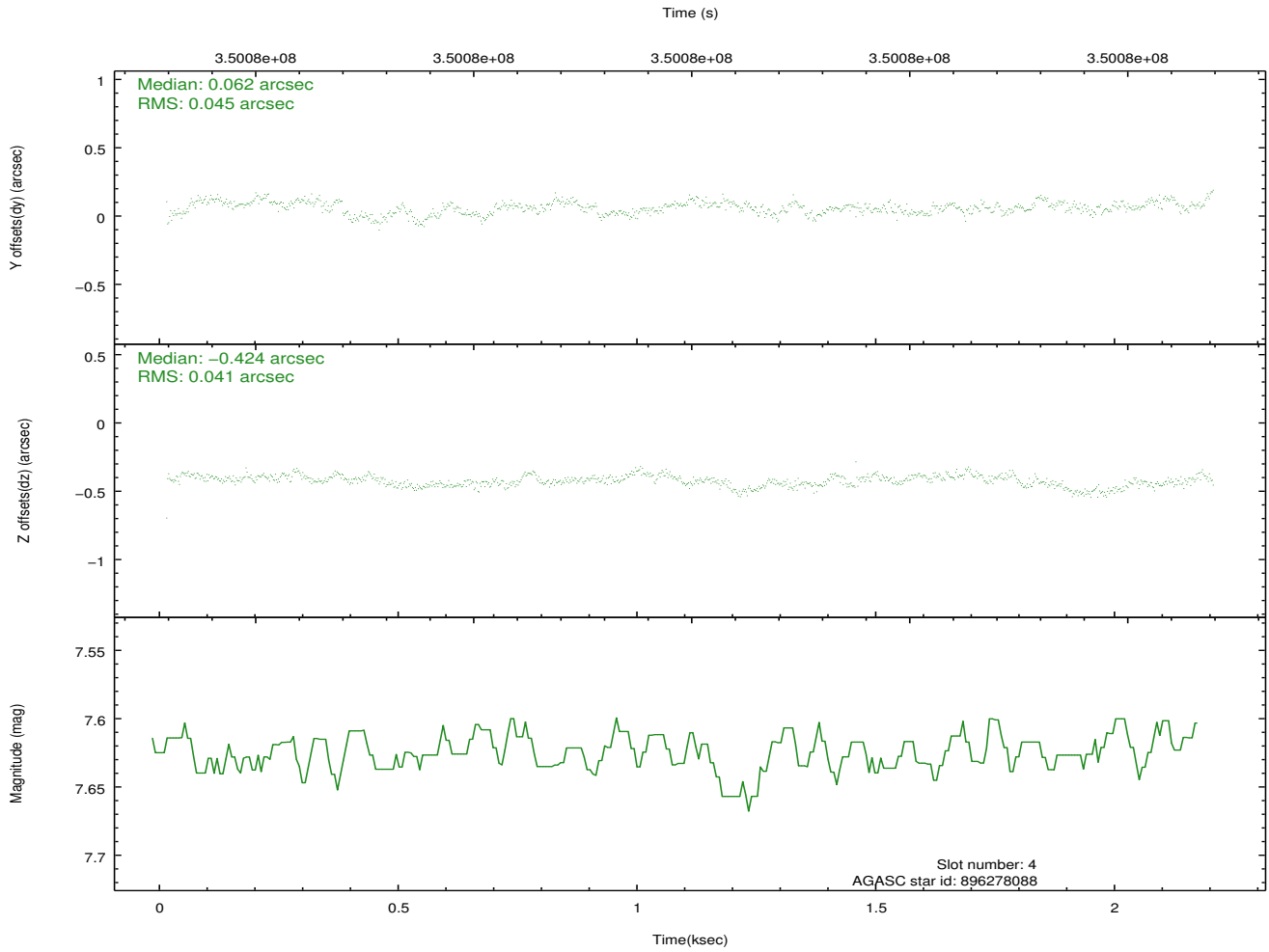
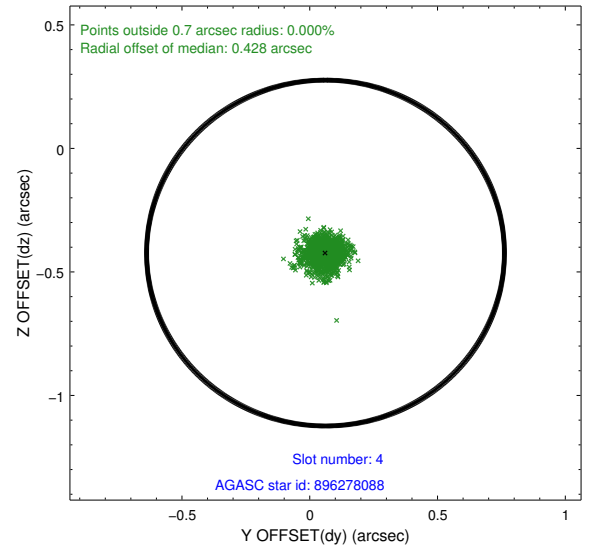
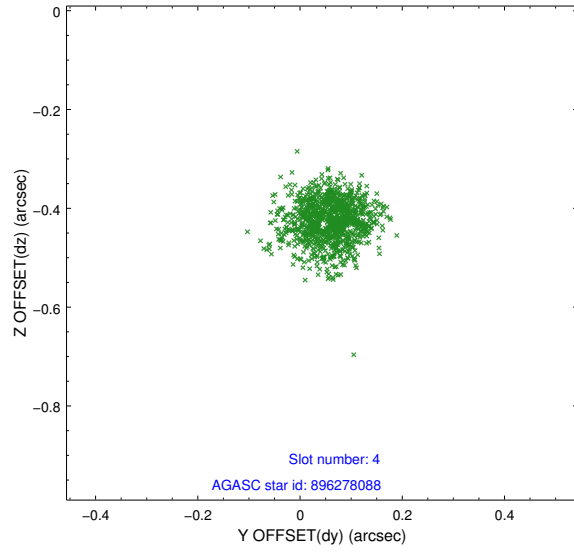
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	535	-0.016	-0.004	0.009	0.015	0.000000	0.000000	926.53	-838.87
1	FID	ACIS-I-4	6.94	534	0.172	0.035	0.009	0.014	0.000000	0.000000	2148.41	1059.48
2	FID	ACIS-I-5	7.01	535	-0.253	0.040	0.008	0.014	0.000000	0.000000	-1817.89	1060.71
3	GUIDE	896276544	8.12	1070	0.160	-0.205	0.089	0.149	263.666616	-29.255819	-1102.81	1539.39
4	GUIDE	896278088	7.63	1070	0.062	-0.424	0.064	0.105	263.476198	-29.223388	-966.37	2134.32
5	GUIDE	896404376	6.66	1070	-0.080	0.240	0.069	0.109	264.835179	-29.530972	-2242.95	-2080.21
6	GUIDE	896405616	7.86	1070	-0.090	0.250	0.071	0.118	264.752771	-28.412560	1789.30	-2006.50
7	GUIDE	896406568	8.24	1069	-0.046	0.130	0.087	0.142	264.435951	-28.437282	1748.52	-1001.22

2.4 Star Slots

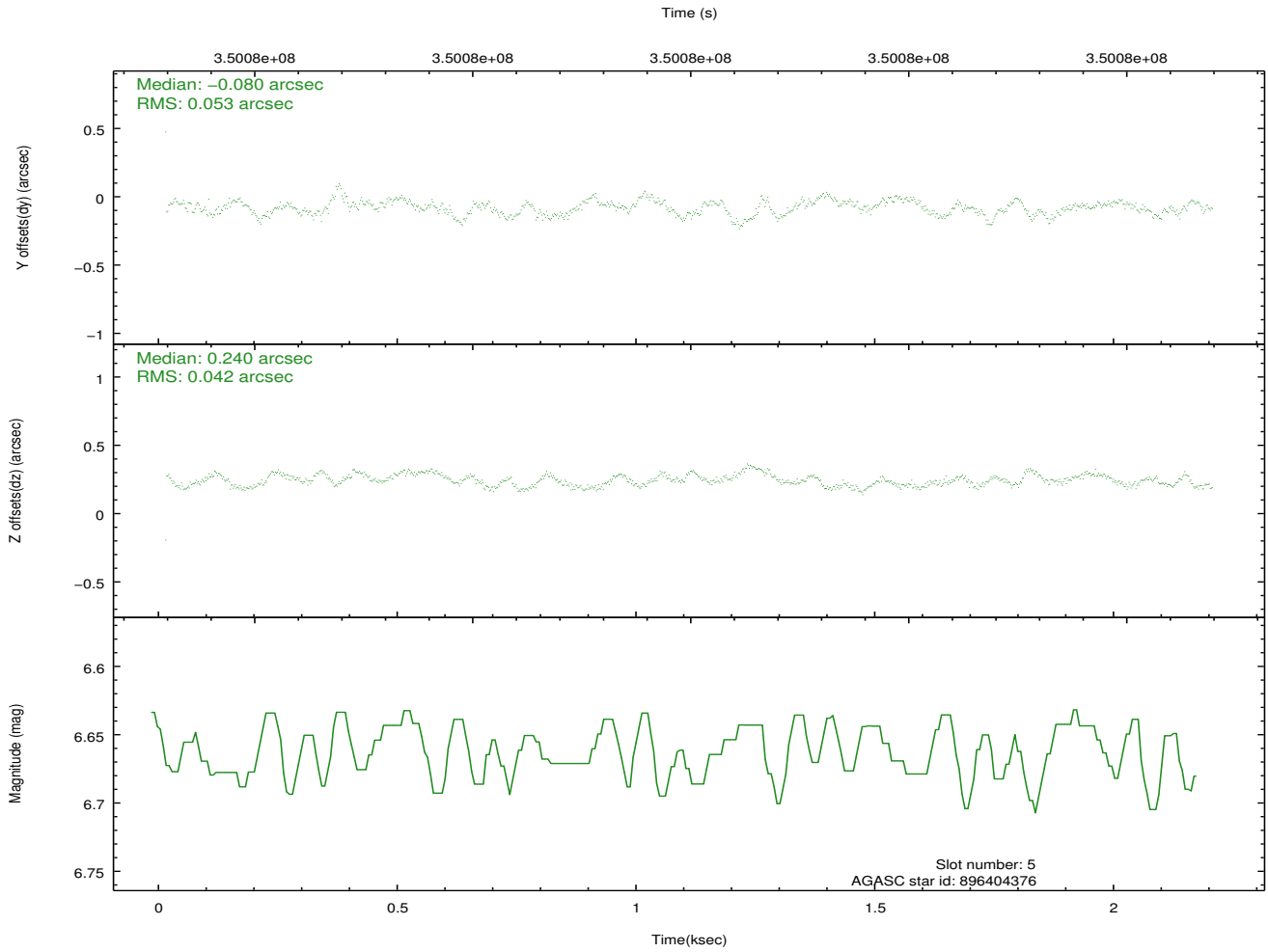
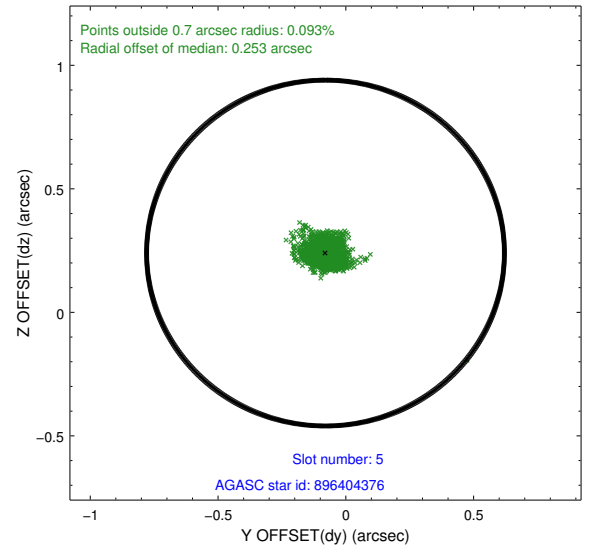
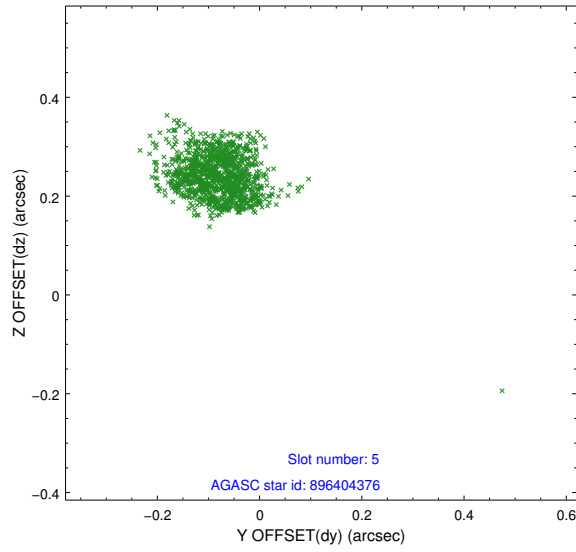
2.4.1 Slot 3



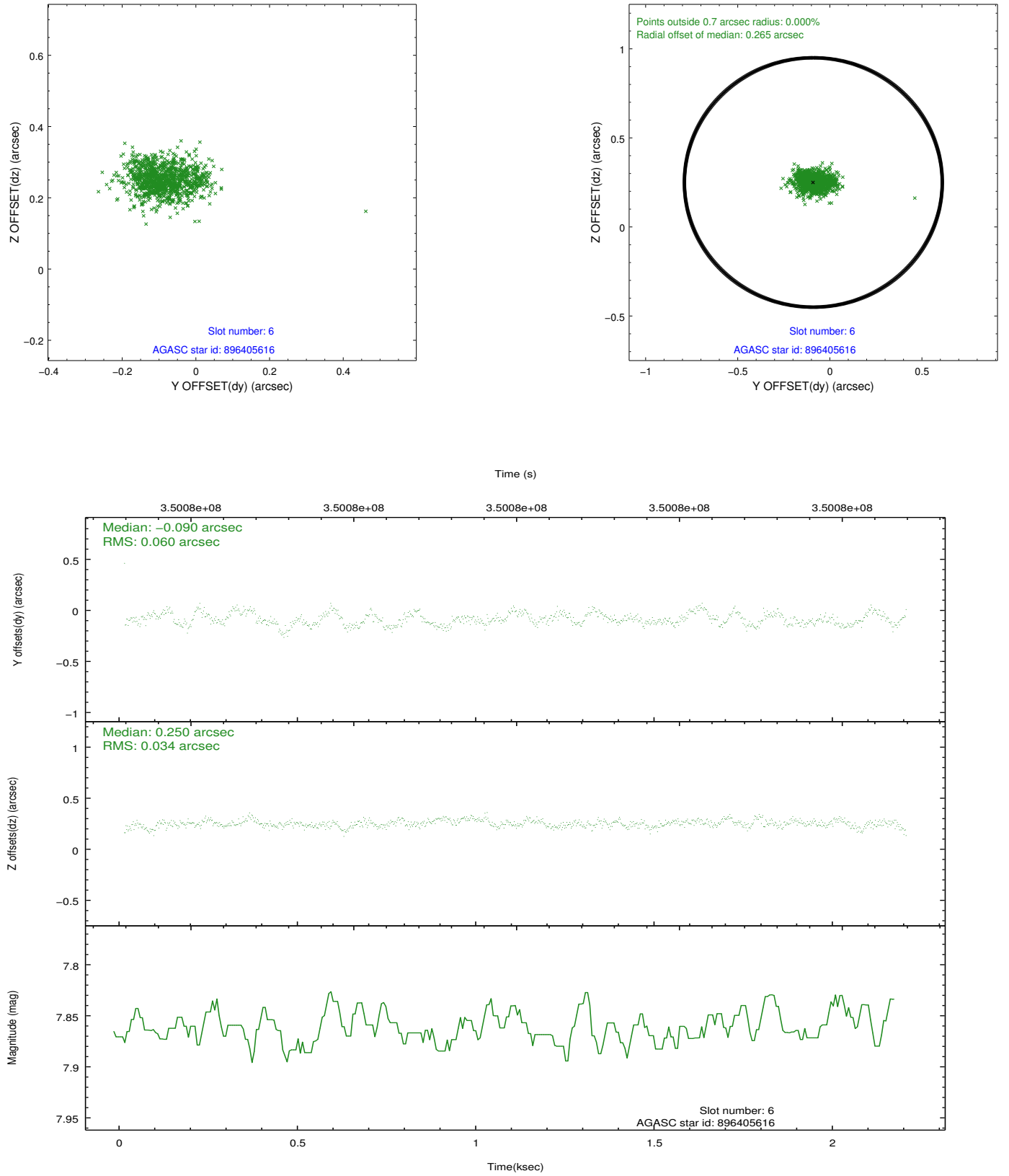
2.4.2 Slot 4



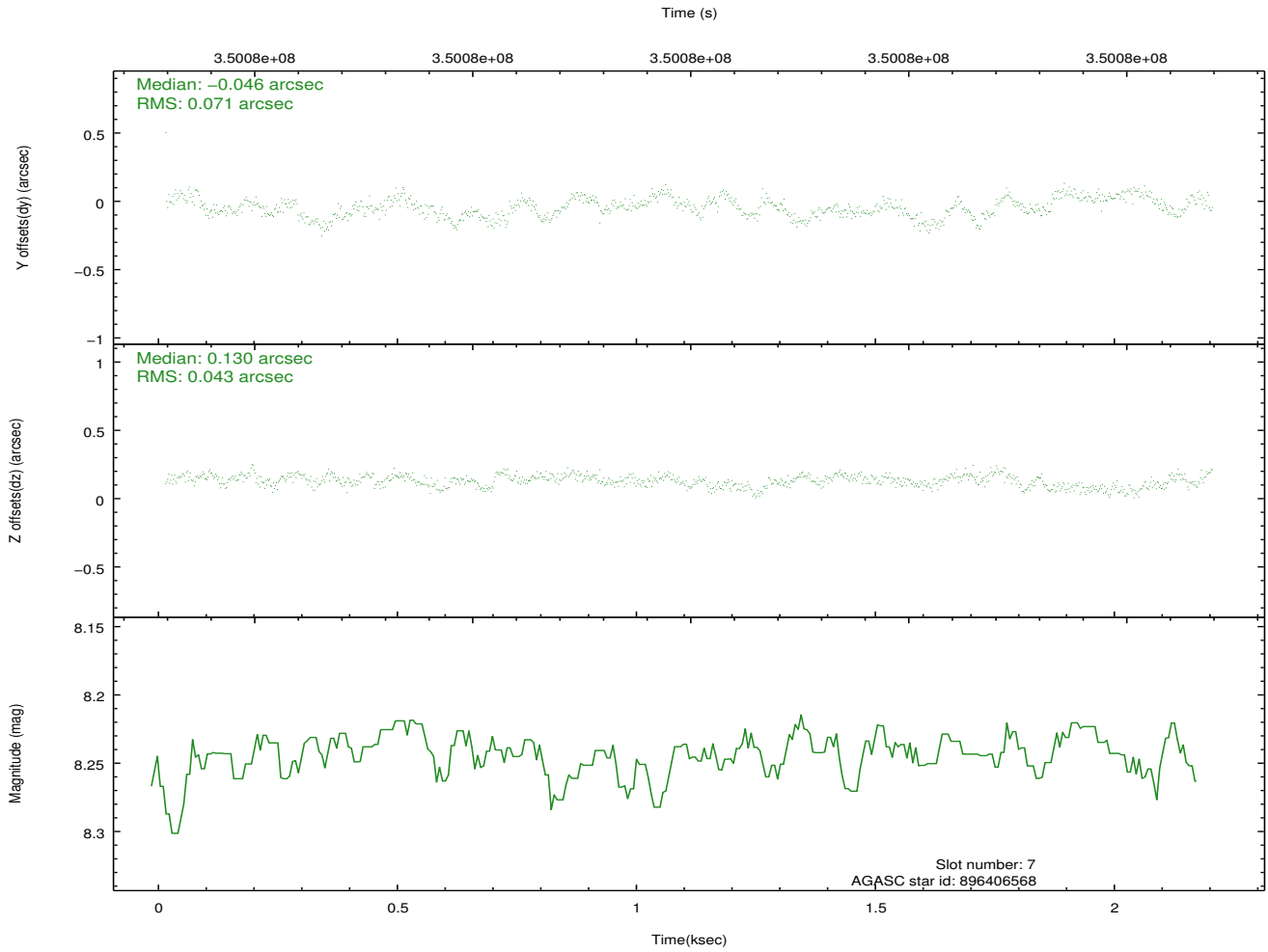
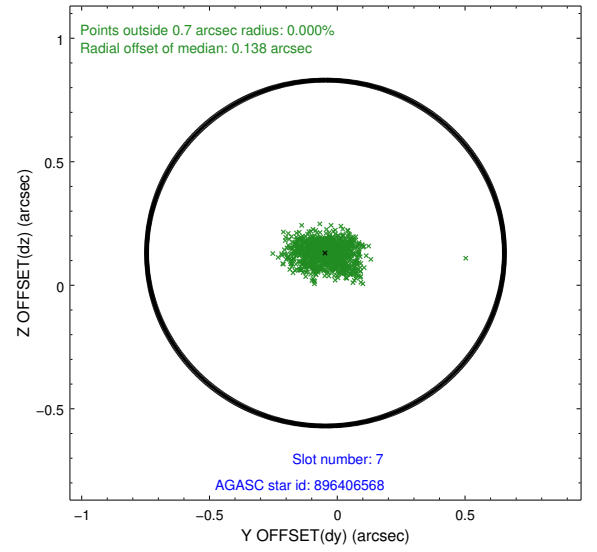
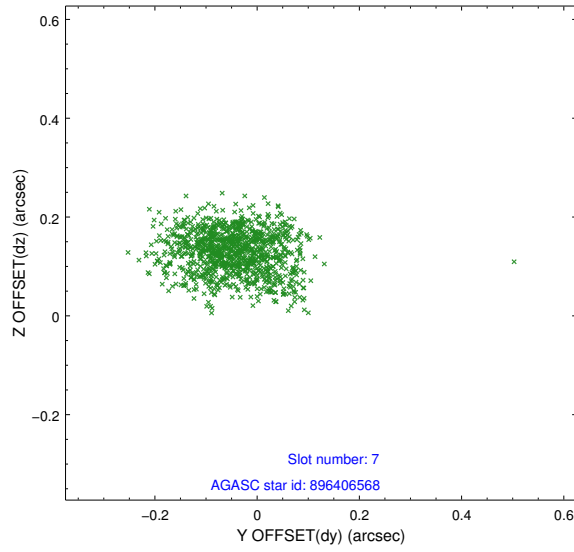
2.4.3 Slot 5



2.4.4 Slot 6

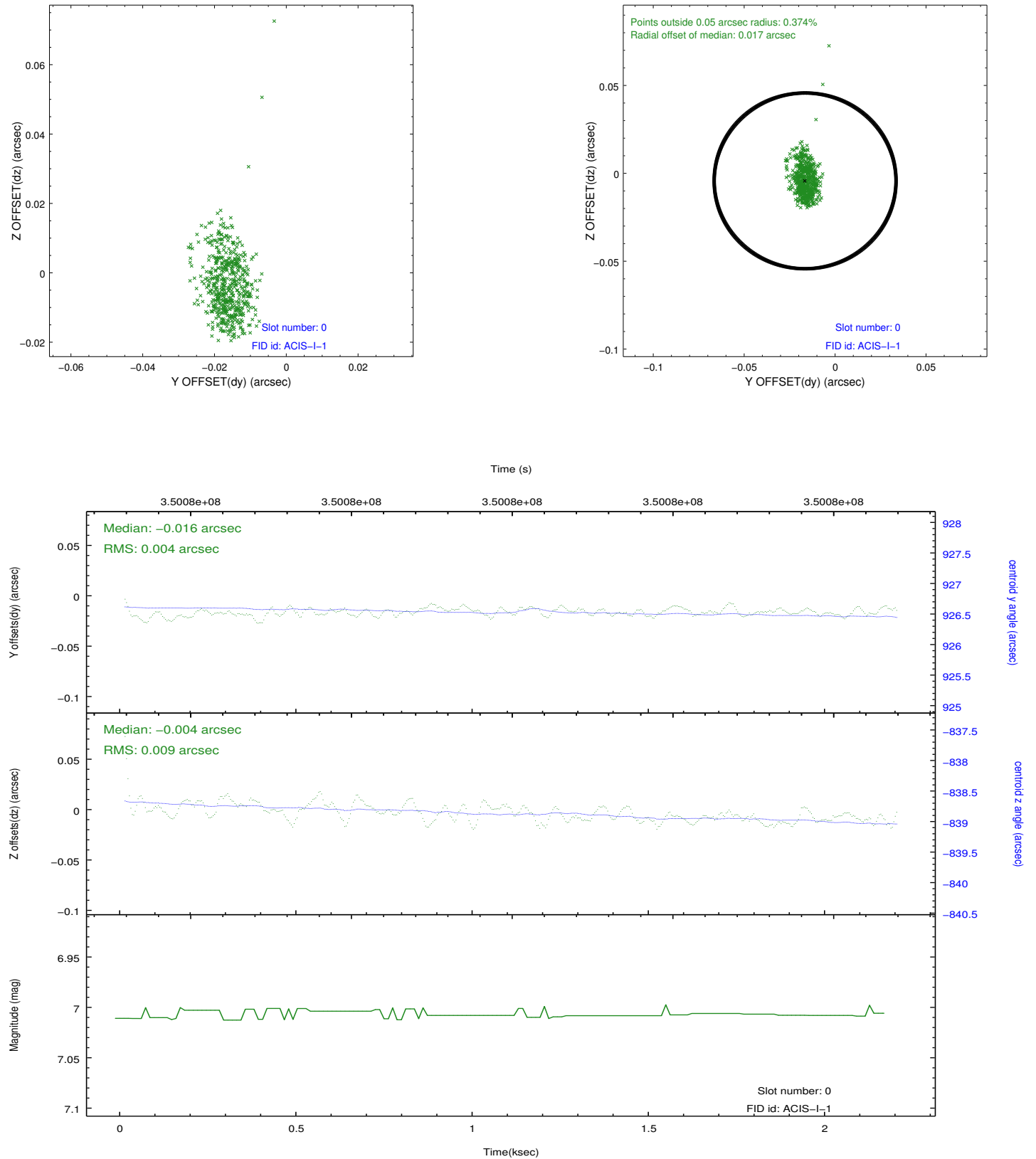


2.4.5 Slot 7

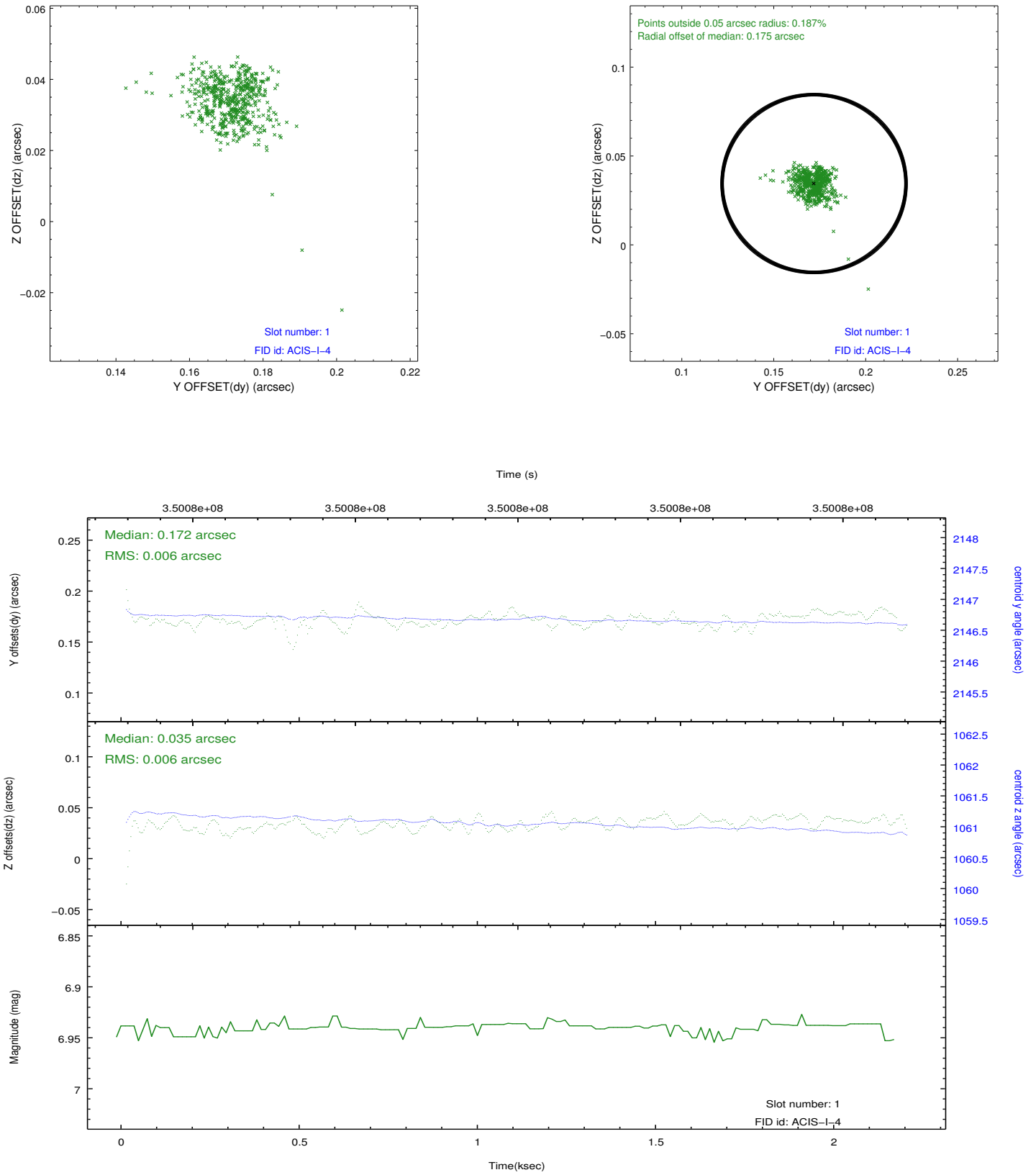


2.5 FID Slots

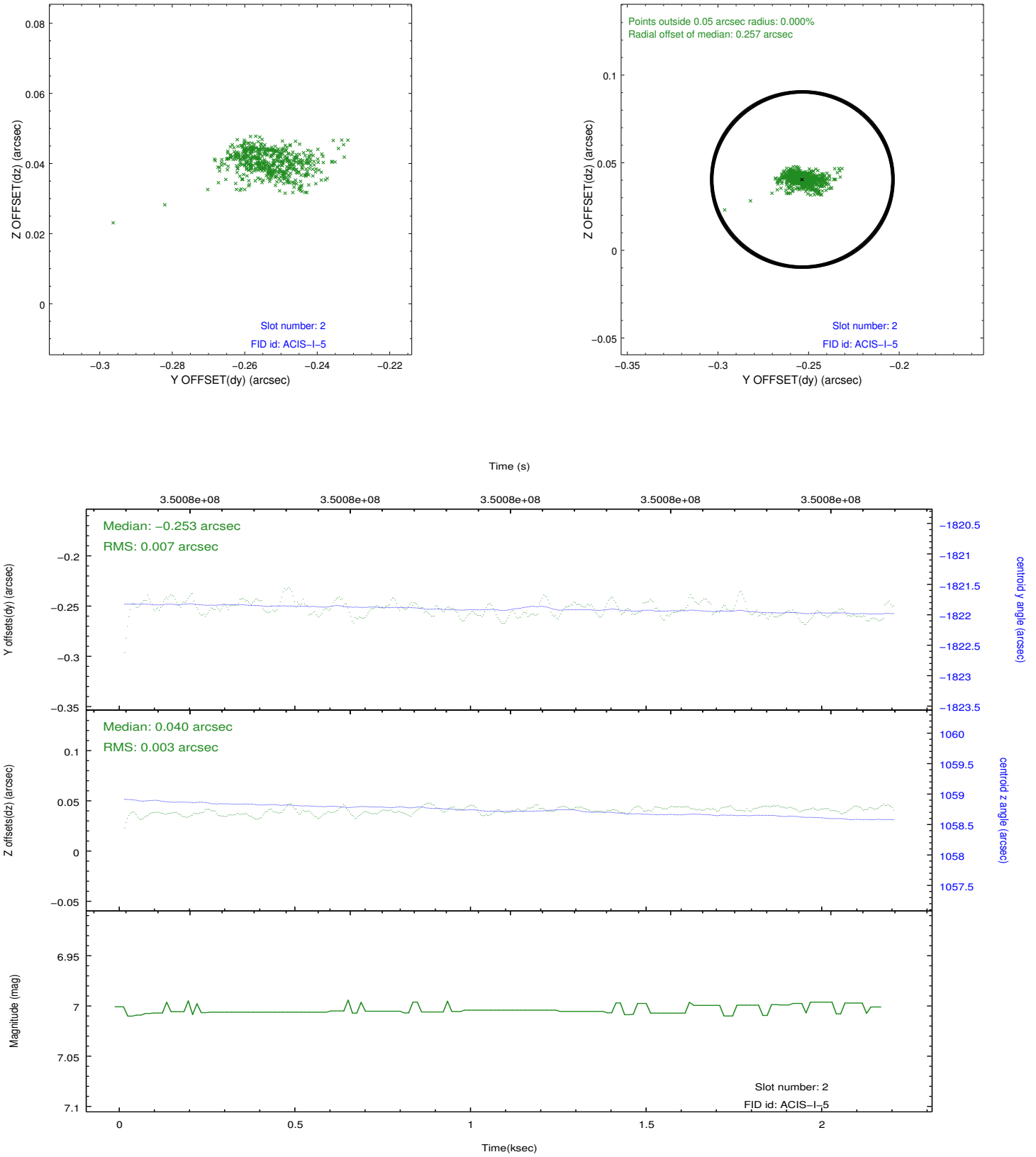
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments

Joint Proposal: NOAO