

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18124 - L2 Version 1
Chandra X-Ray Center

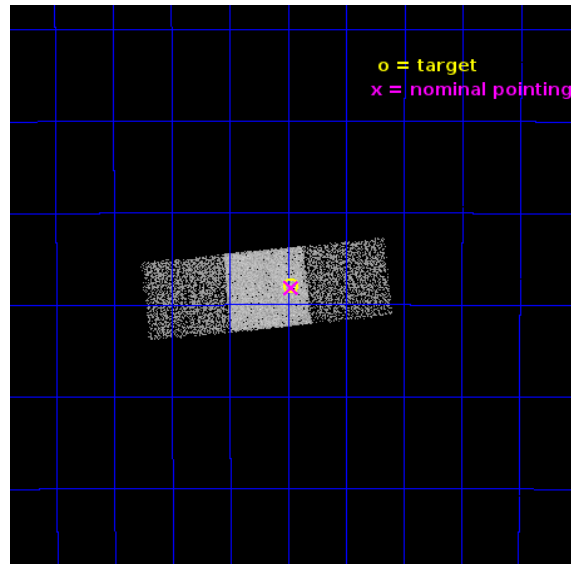
L2 Processing Date : May 27 2016

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1 Front

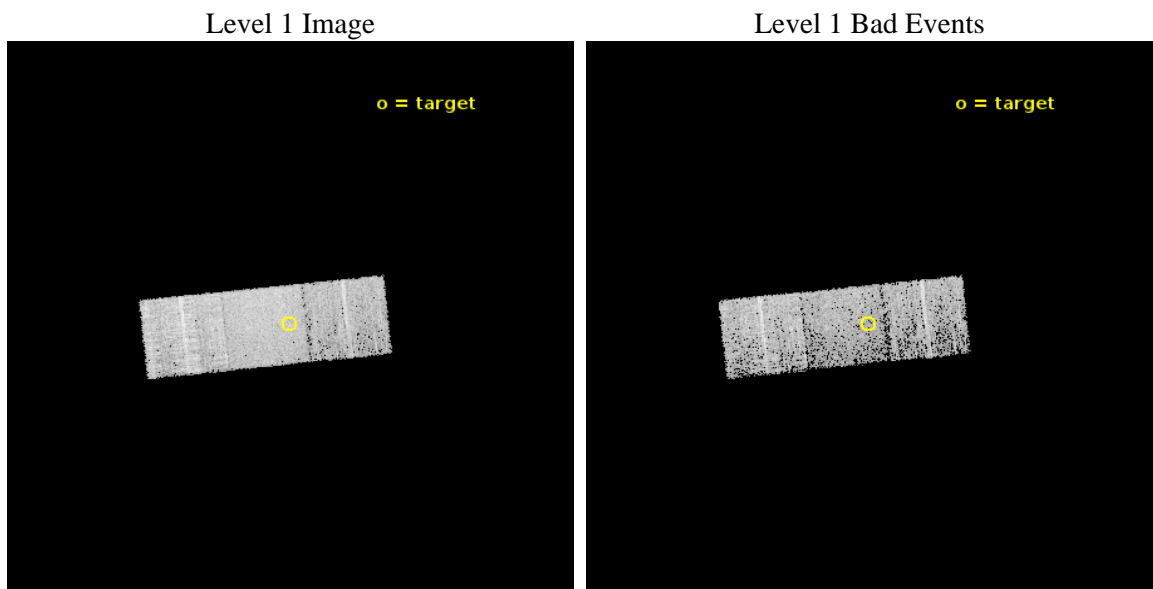
seq_num	703190	Sequence number
obs_id	18124	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	IC 2006	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	58.61875	Observer's specified target RA [deg]
dec_targ	-35.967139	Observer's specified target Dec [deg]
ra_nom	58.617175402956	Nominal RA [deg]
dec_nom	-35.969539142456	Nominal Dec [deg]
roll_nom	173.86616947703	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4606.1423176527	Sum of GTIs [s]
livetime	4545.9596772799	Livetime [s]
ontime6	4606.101277709	Sum of GTIs [s]
ontime7	4606.1423176527	Sum of GTIs [s]
ontime8	4596.6371275187	Sum of GTIs [s]
l2events	22160	Number of level 2 events



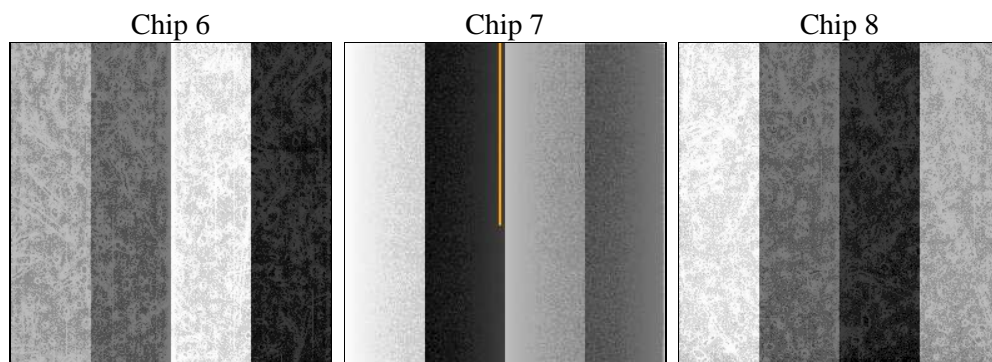
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4606.1423176527	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	4606.101277709	Sum of GTIs [s]
date	2016-05-27T15:37:44	Date and time of file creation	ontime7	4606.1423176527	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4596.6371275187	Sum of GTIs [s]
			l1events	107078	Number of level 1 events

2.1.4 Events

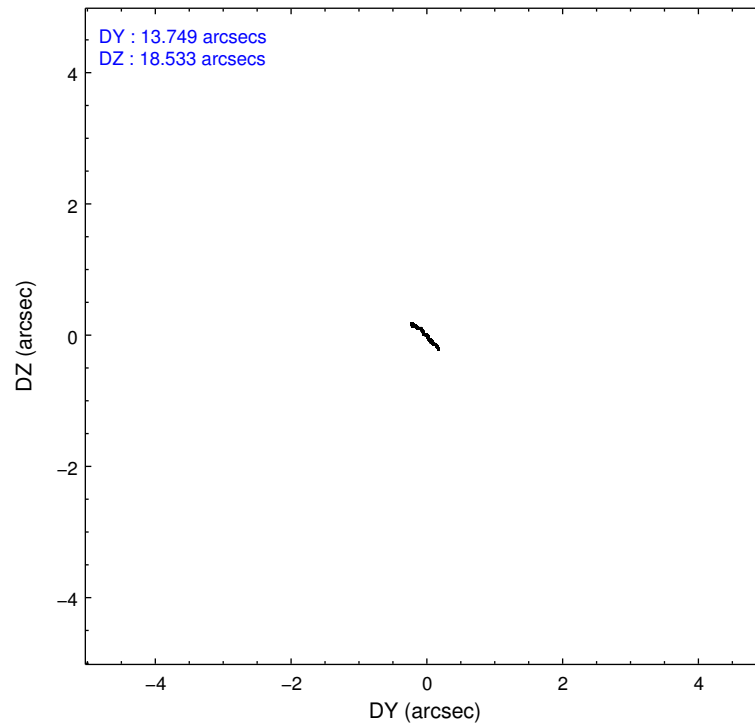
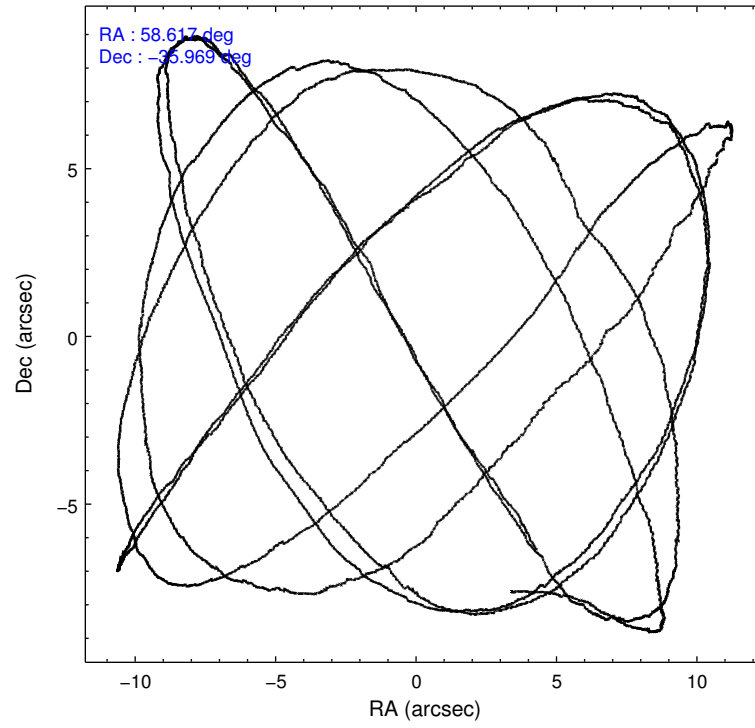
	ccd 6	ccd 7	ccd 8
level 1 events	27347	38069	41662
rejected events	24090	21684	30965
rejected %	88%	56%	74%

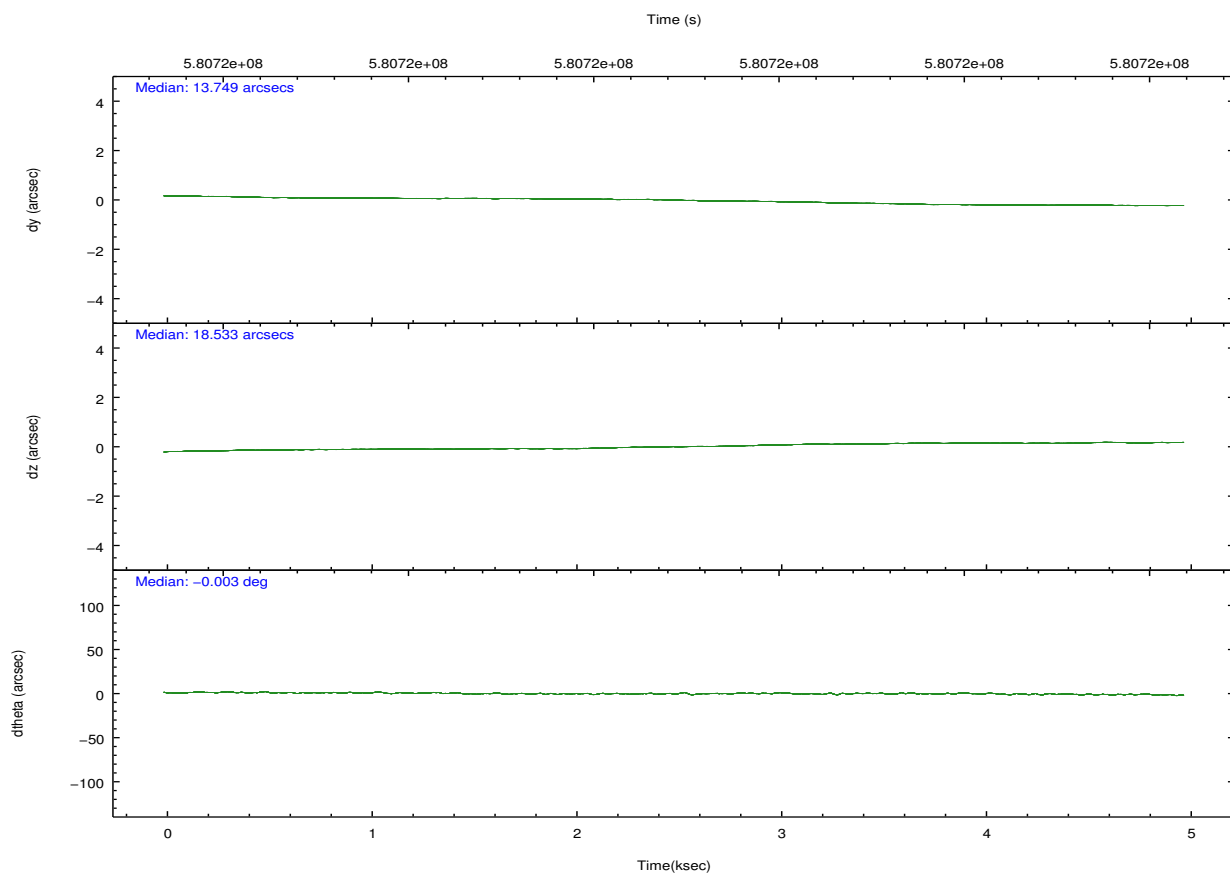
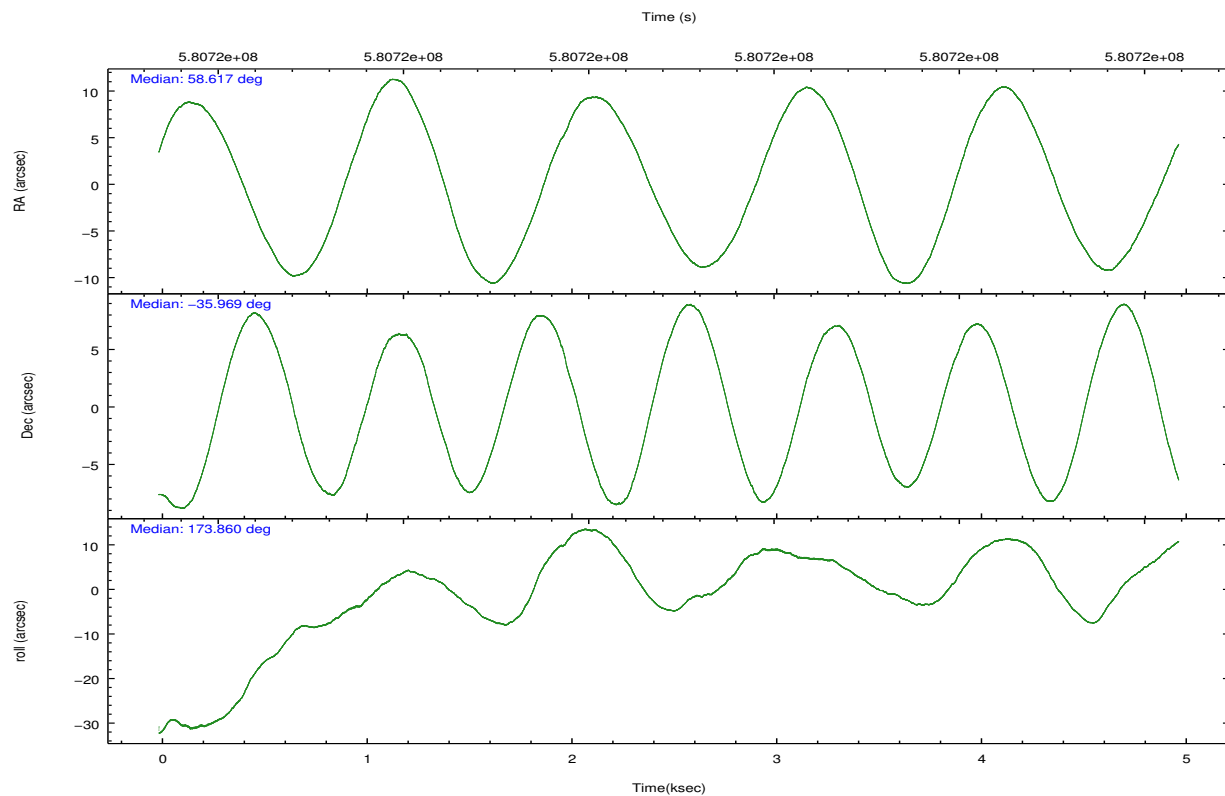
	ccd 6	ccd 7	ccd 8
grade 0 events	1054	1394	2941
	3%	3%	7%
grade 1 events	11	44	24
	0%	0%	0%
grade 2 events	732	3488	2635
	2%	9%	6%
grade 3 events	334	1266	1085
	1%	3%	2%
grade 4 events	348	1305	992
	1%	3%	2%
grade 5 events	1349	3679	2002
	4%	9%	4%
grade 6 events	792	8955	3050
	2%	23%	7%
grade 7 events	22727	17938	28933
	83%	47%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	58.648006	58.61717540295632	CCD I2 on	N	N
[deg] Pointing Dec	-35.958084	-35.96953914245589	CCD I3 on	N	N
[deg] Pointing Roll	173.727673	173.8661694770308	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	580720100.184000	580719563.03845	CCD S5 on	N	N
Observation start date	2016-05-27T07:07:12	2016-05-27T06:59:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	580724900.184000	580725407.07629	On-chip summing requested	N	N
Observation end date	2016-05-27T08:27:12	2016-05-27T08:36:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



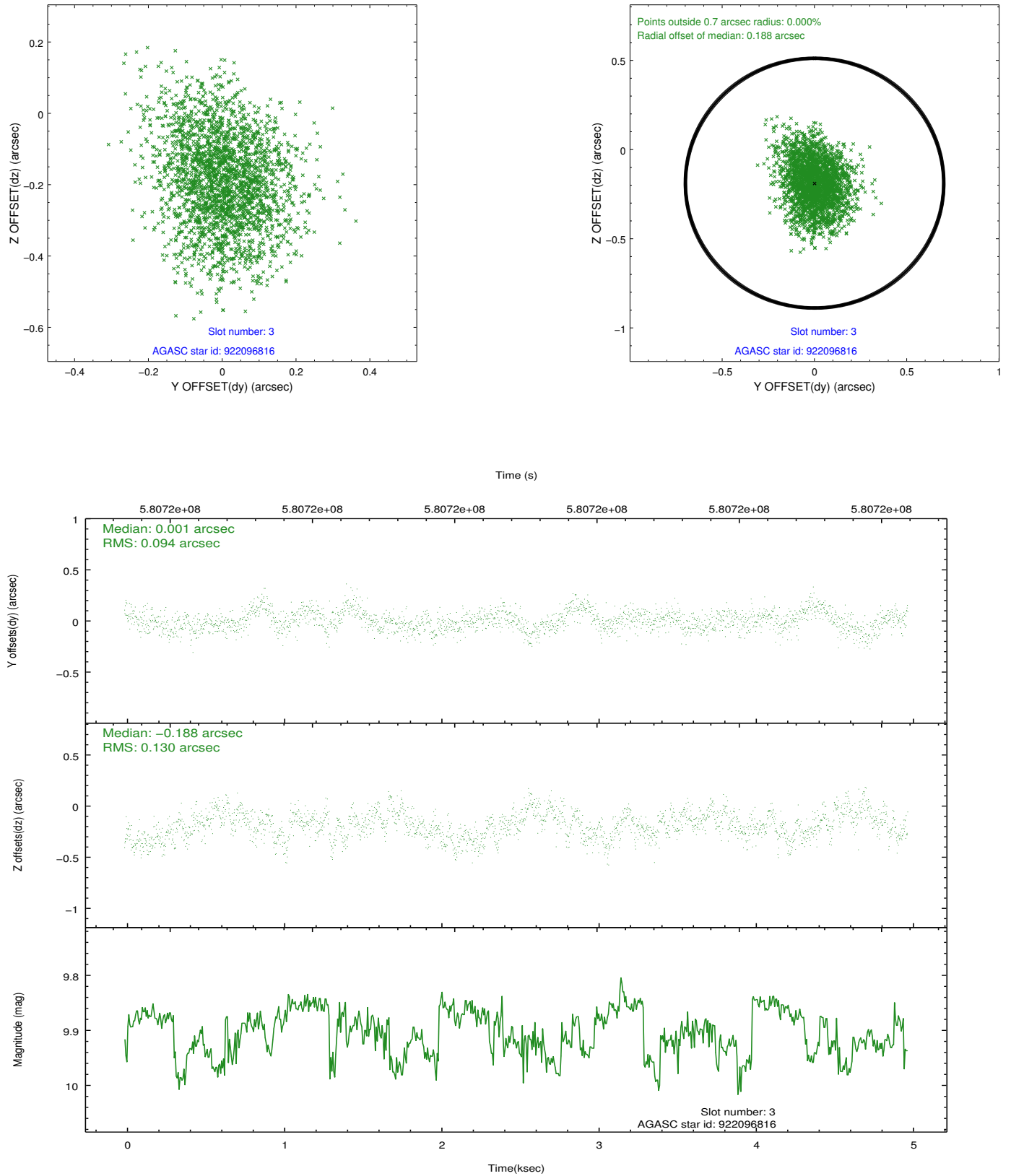


Slot Statistics

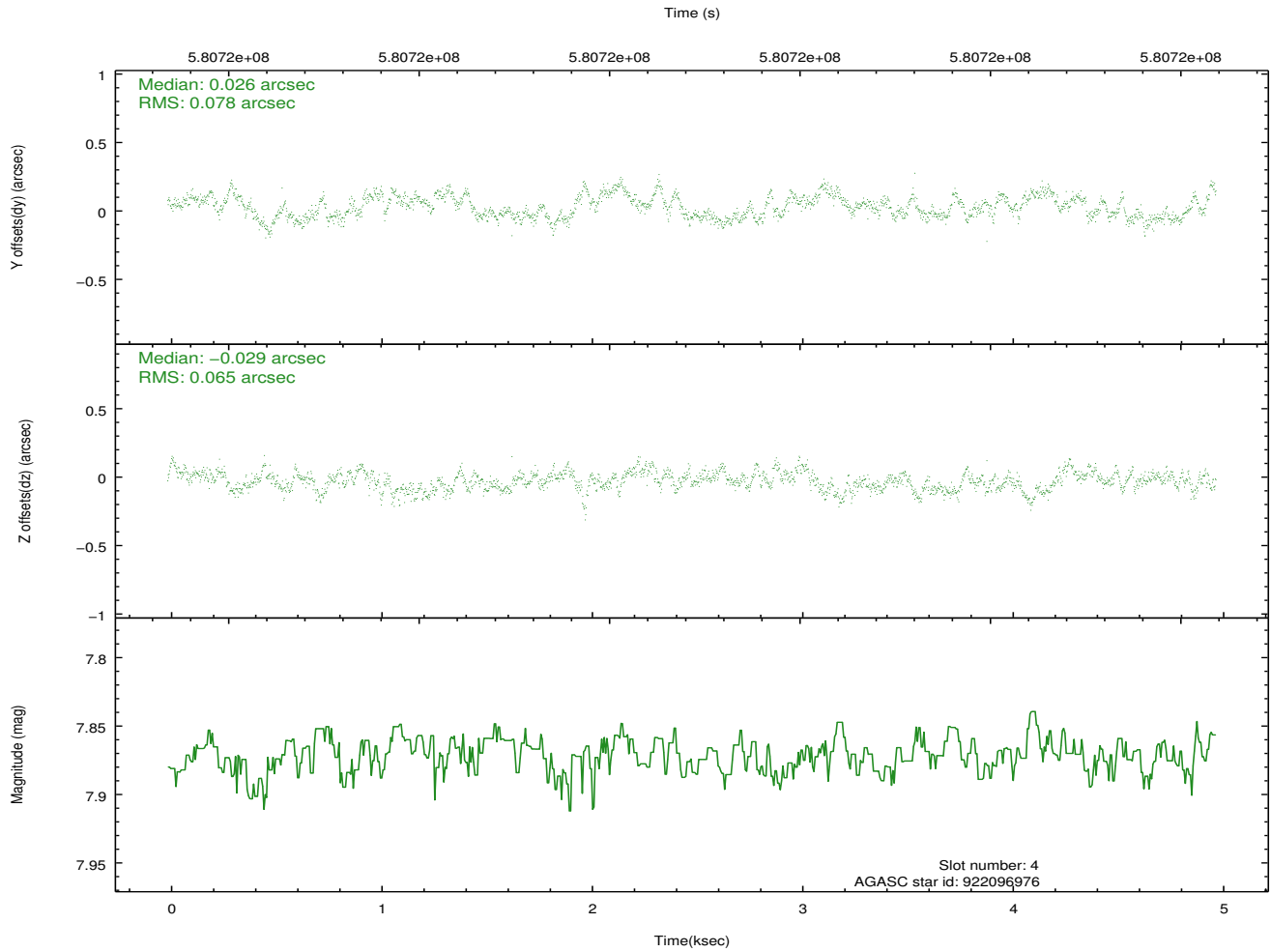
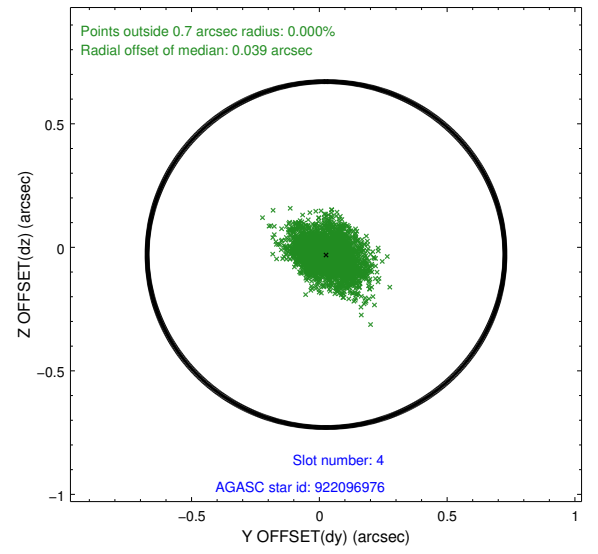
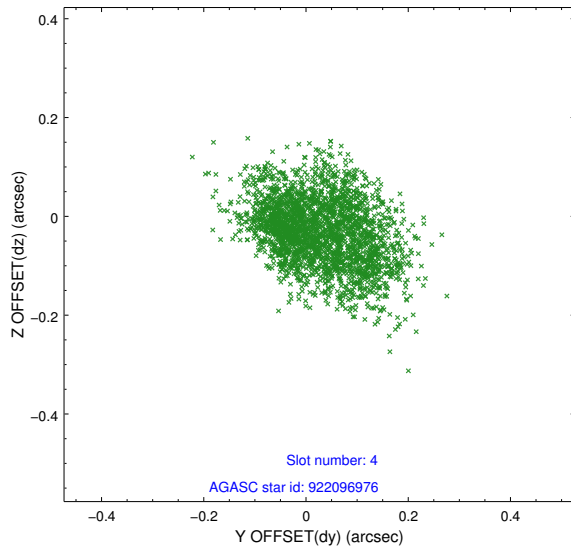
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	1215	-0.245	-0.151	0.009	0.014	0.000000	0.000000	-766.93	-1740.15
1	FID		ACIS-S-4	7.22	1215	0.274	0.145	0.008	0.014	0.000000	0.000000	2146.35	167.28
2	FID		ACIS-S-6	7.35	1215	-0.056	0.013	0.008	0.014	0.000000	0.000000	396.87	805.99
3	GUIDE	used	922096816	9.90	2431	0.001	-0.188	0.170	0.279	58.712759	-36.318367	-328.39	1268.81
4	GUIDE	used	922096976	7.87	2431	0.026	-0.029	0.108	0.170	58.873184	-36.310101	-788.26	1189.02
5	GUIDE	used	922097320	7.89	2431	0.147	0.163	0.112	0.169	58.781999	-35.564599	-235.82	-1449.73
6	GUIDE	used	922099608	9.48	2420	-0.209	0.022	0.162	0.252	58.015693	-35.650799	1958.86	-891.70
7	GUIDE	used	922101400	9.56	2427	0.013	0.051	0.204	0.338	59.096561	-36.060908	-1337.36	228.07

2.4 Star Slots

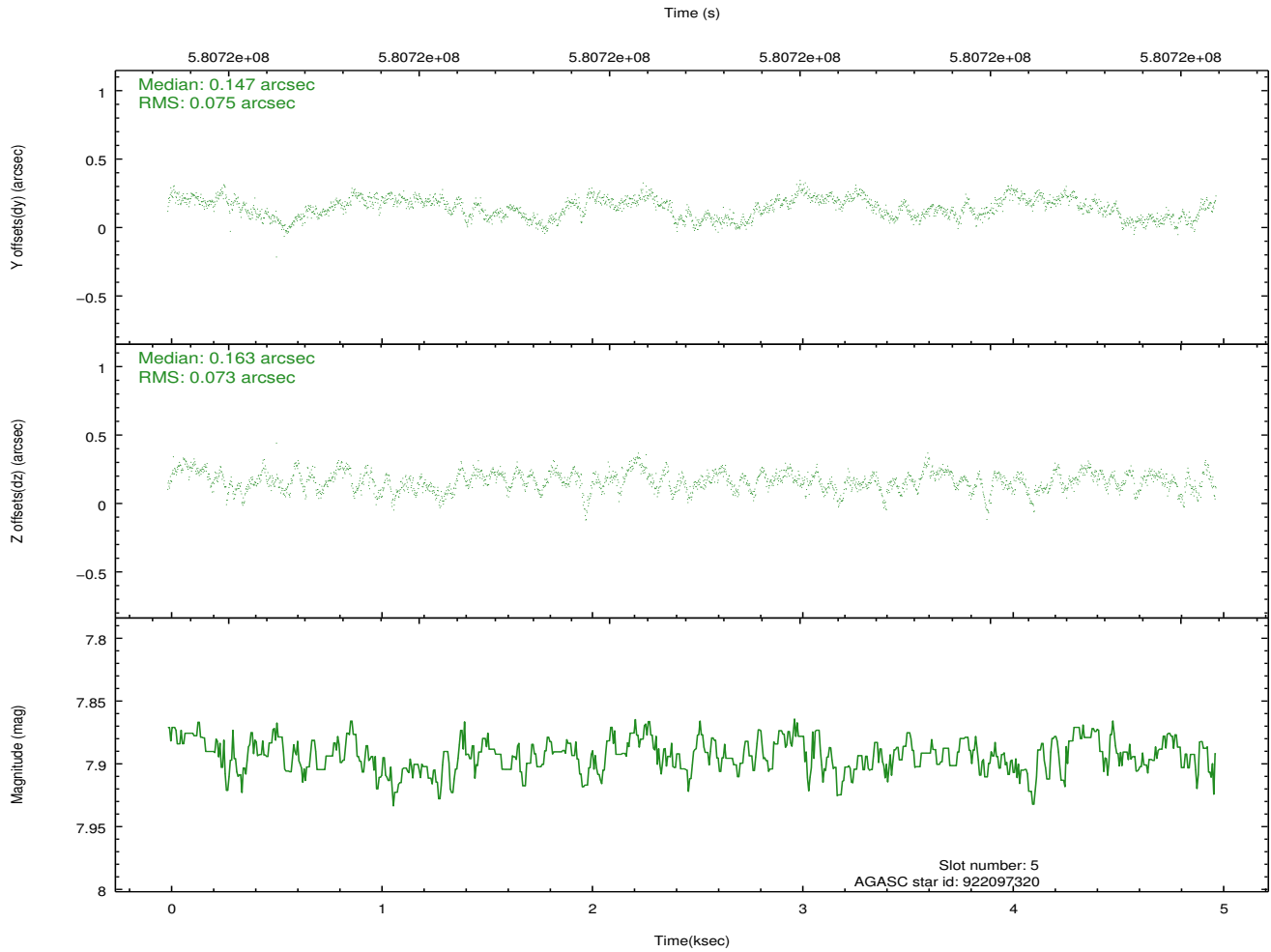
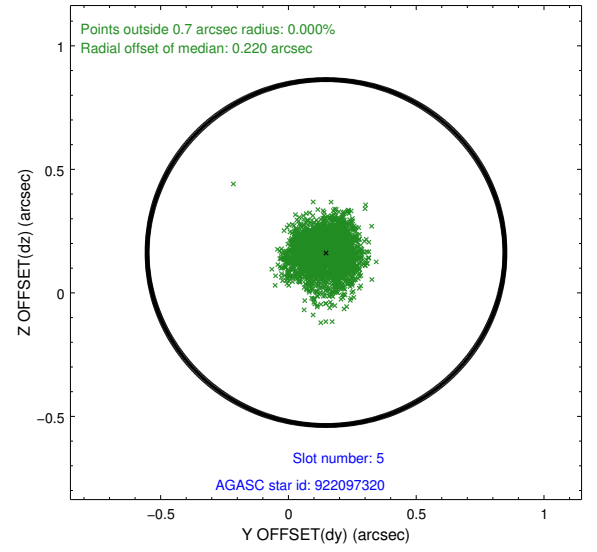
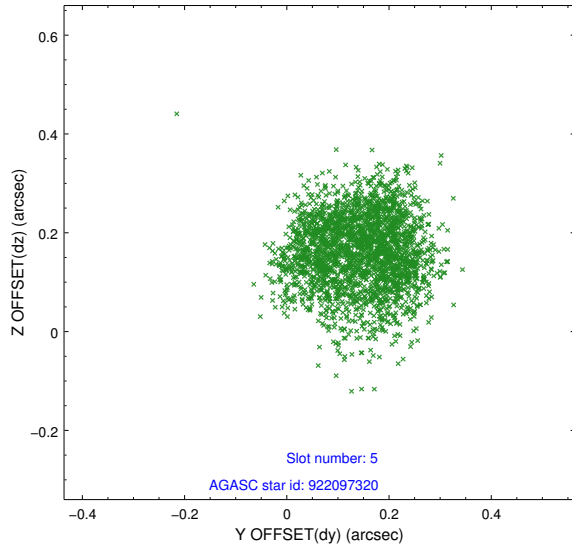
2.4.1 Slot 3



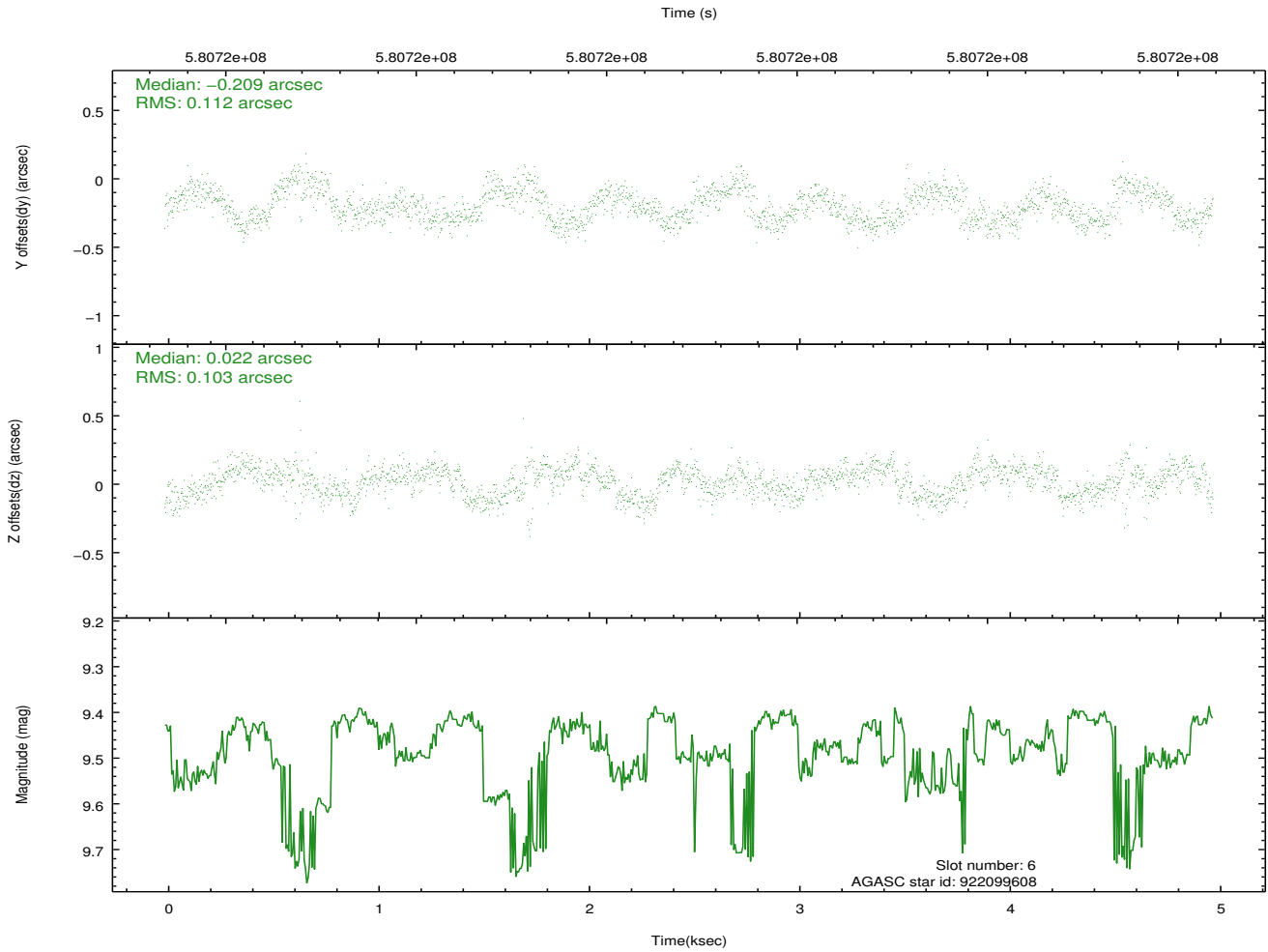
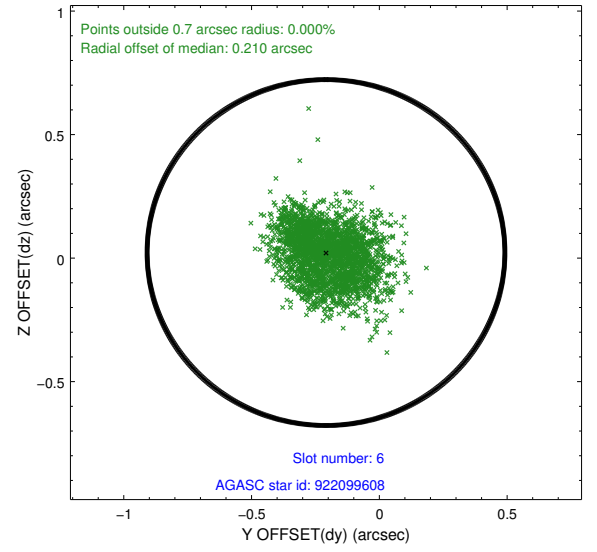
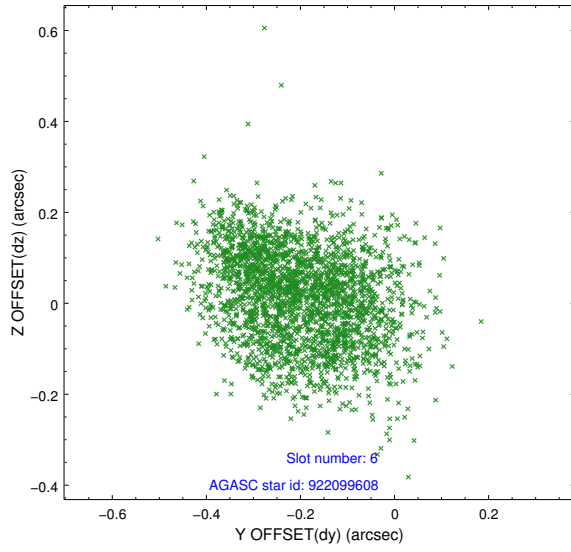
2.4.2 Slot 4



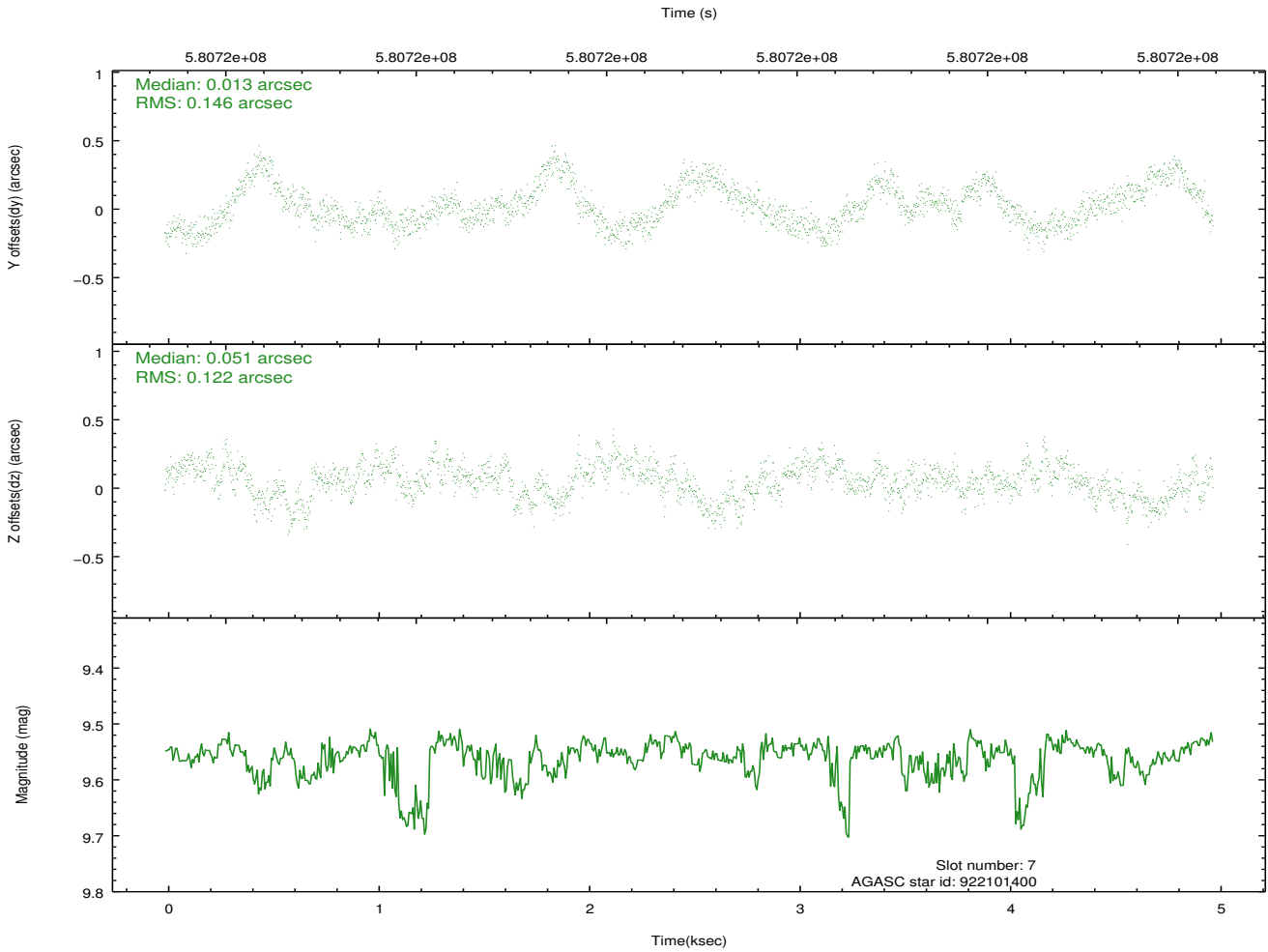
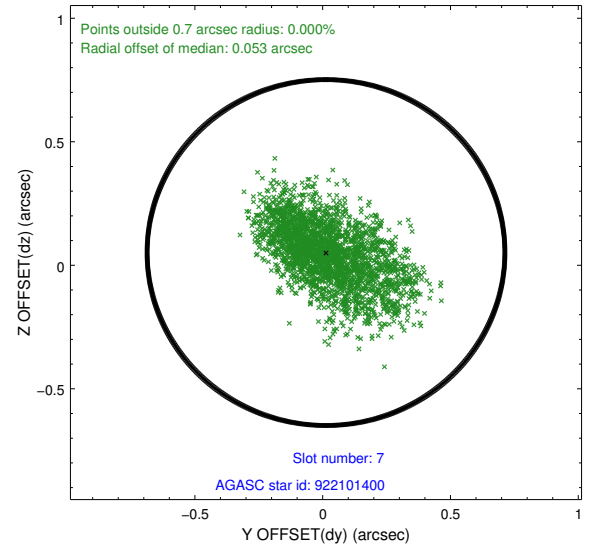
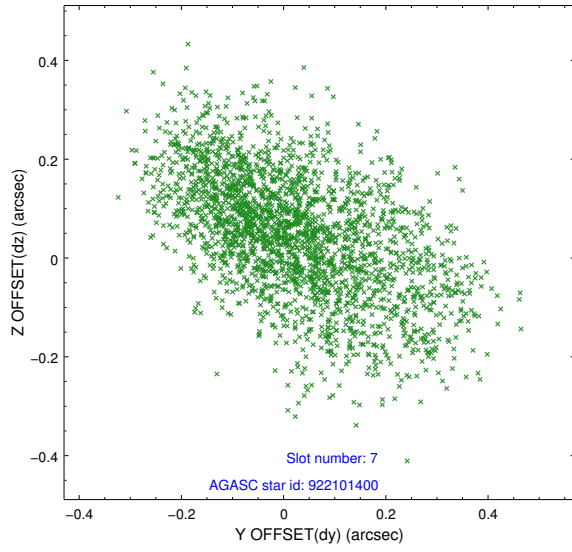
2.4.3 Slot 5



2.4.4 Slot 6

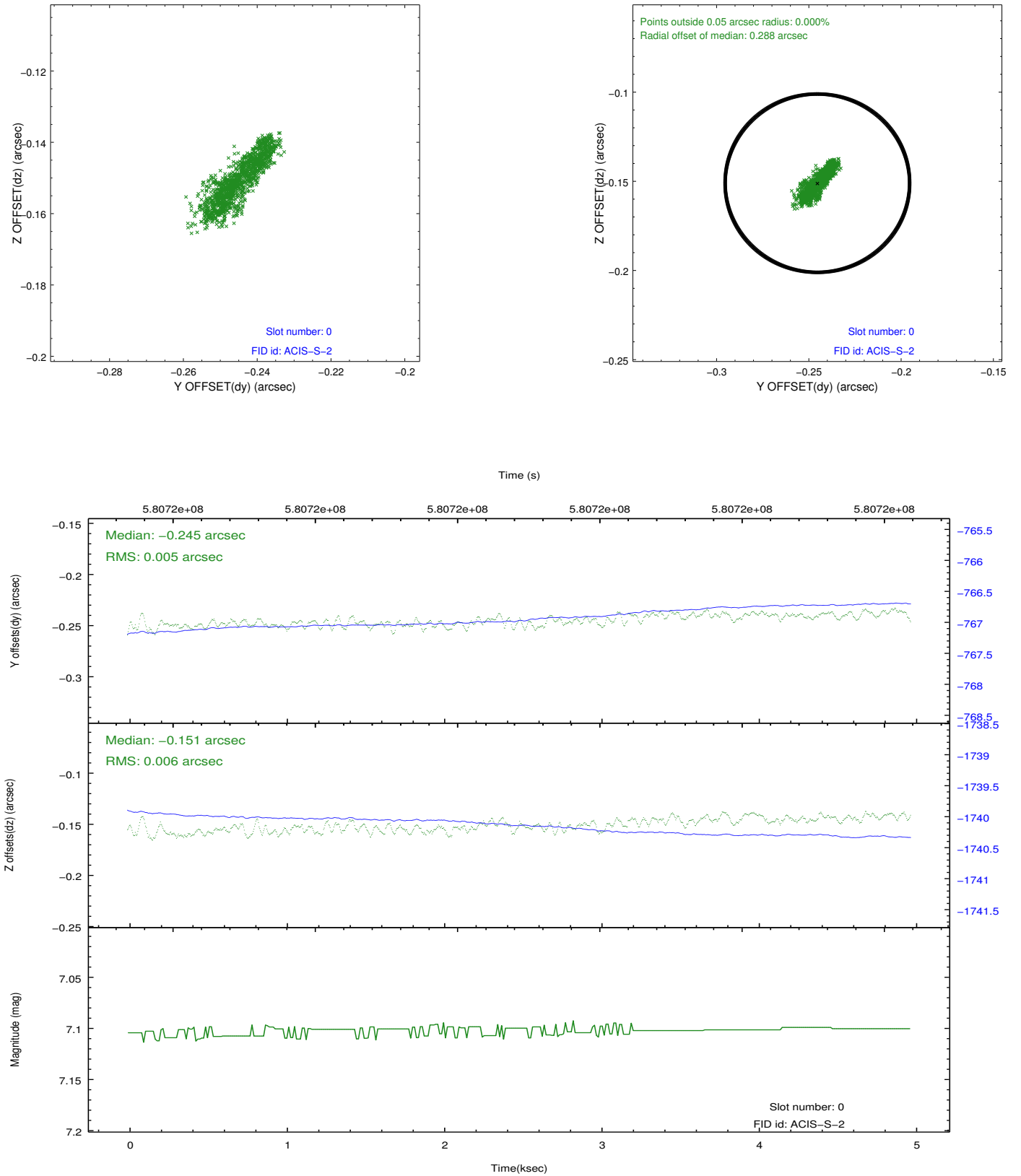


2.4.5 Slot 7

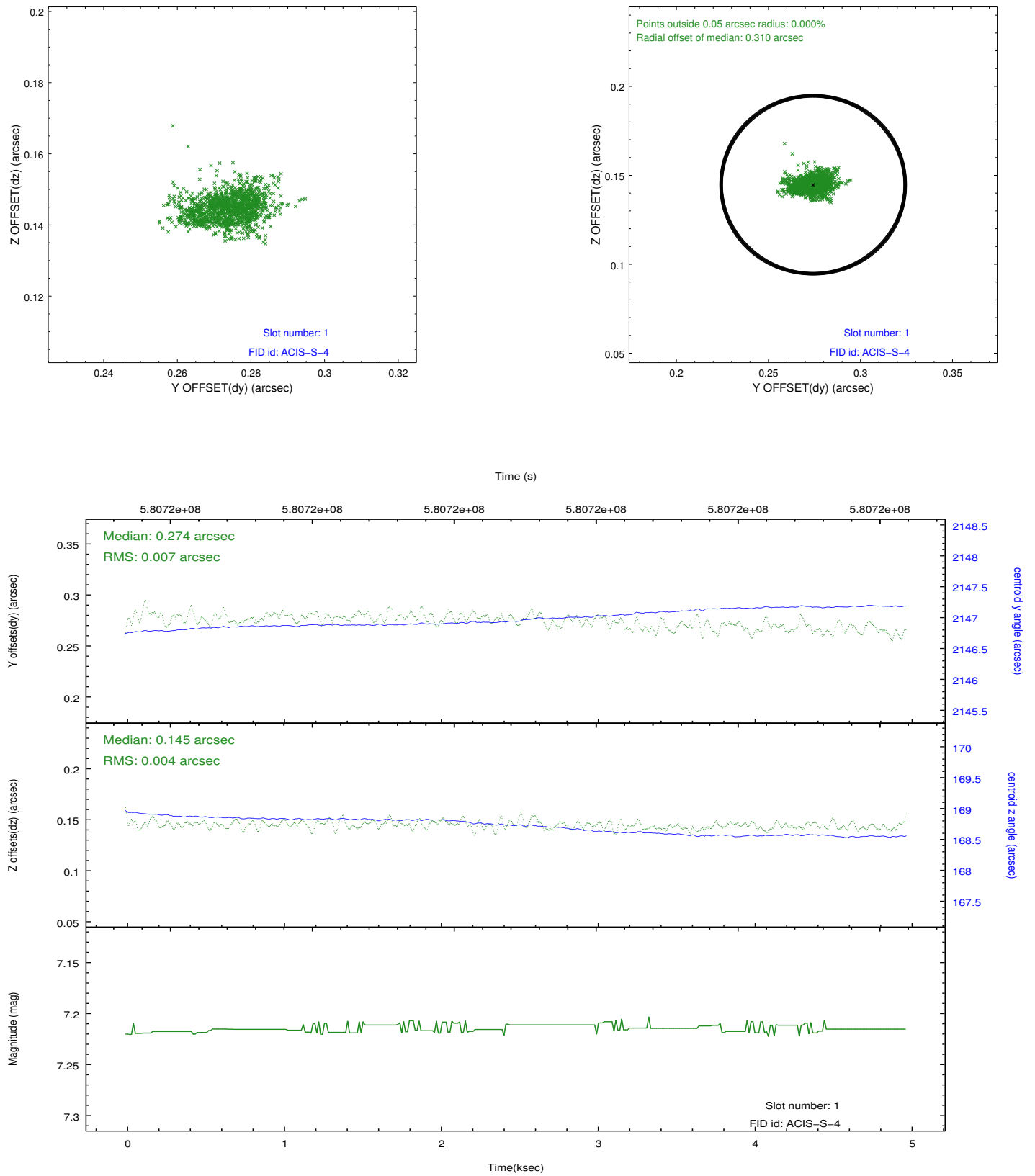


2.5 FID Slots

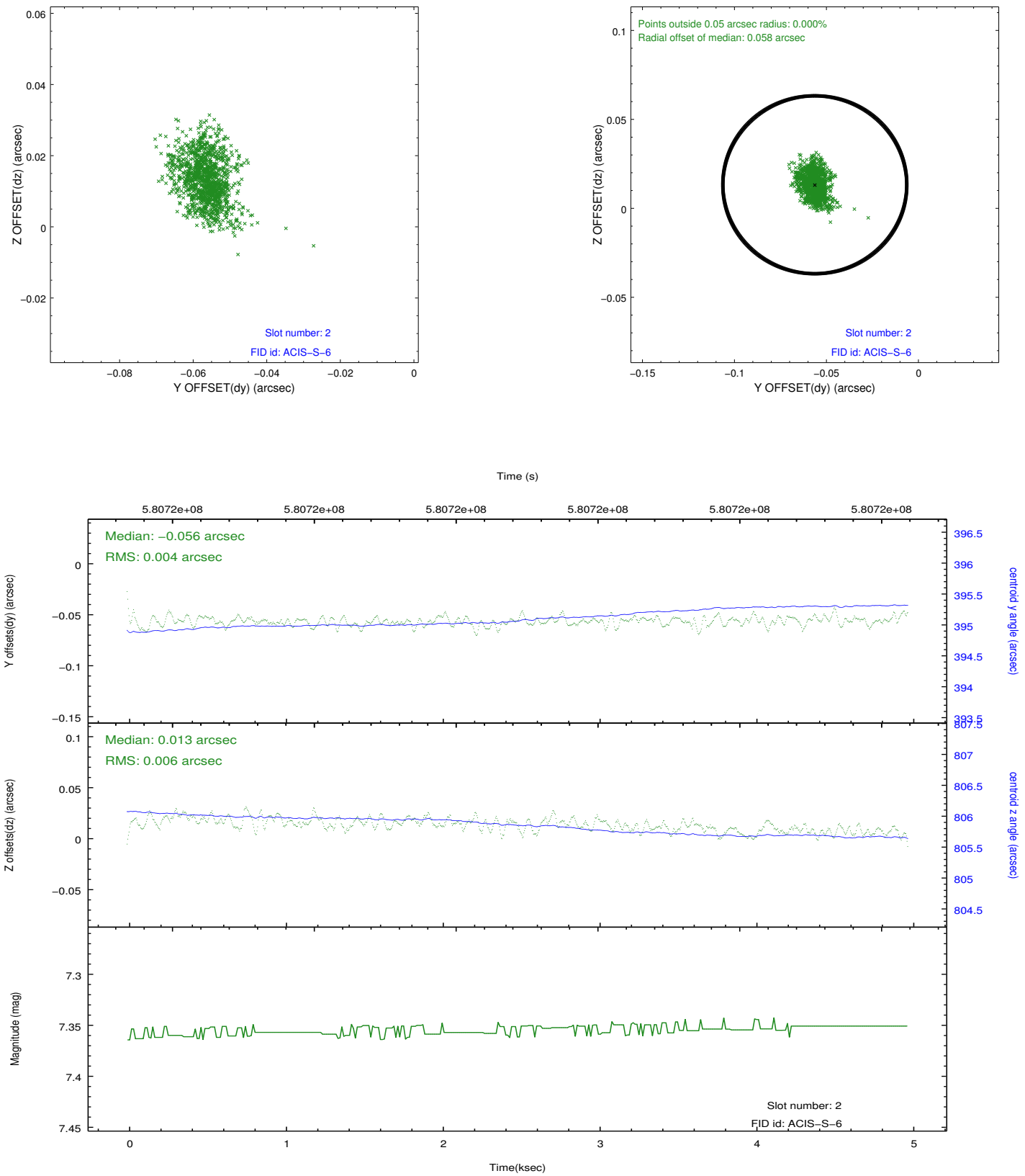
2.5.1 Slot 0



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)	2016.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6061423176527

A.2 Comments