

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18138 - L2 Version 1
Chandra X-Ray Center

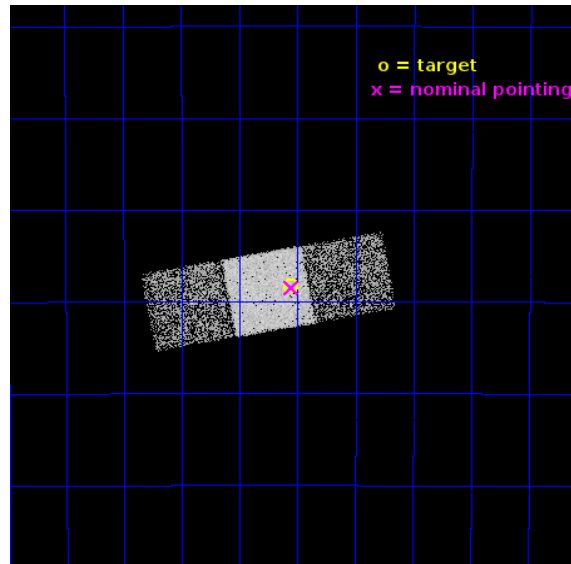
L2 Processing Date : May 29 2016

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1 Front

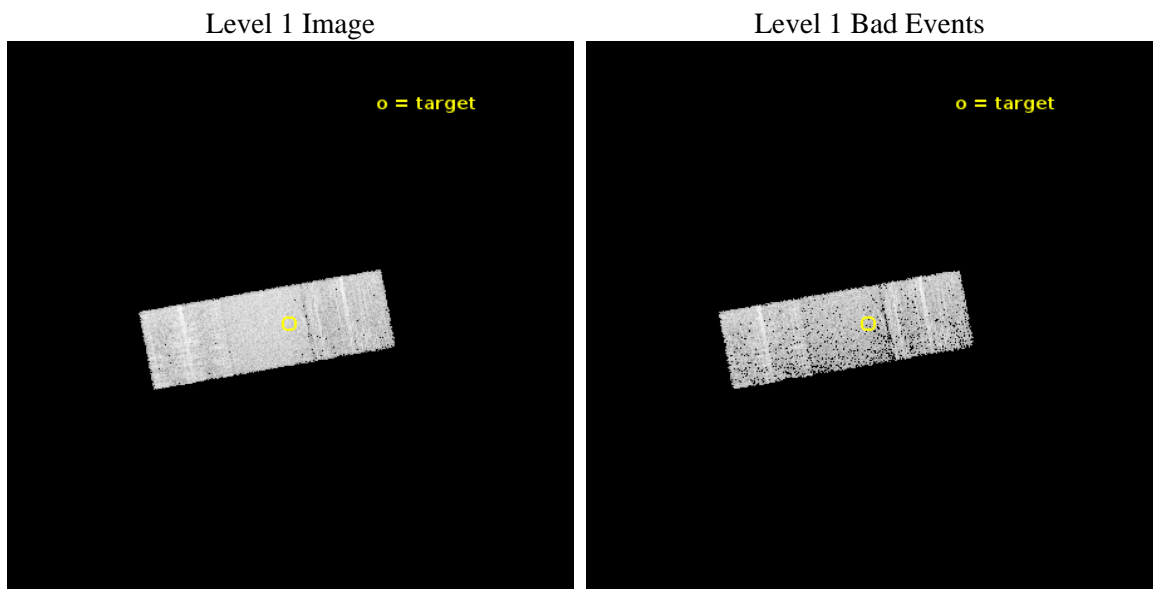
seq_num	703204	Sequence number
obs_id	18138	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc301	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	56.265	Observer's specified target RA [deg]
dec_targ	-35.972611	Observer's specified target Dec [deg]
ra_nom	56.263261555392	Nominal RA [deg]
dec_nom	-35.974900832541	Nominal Dec [deg]
roll_nom	169.54703473144	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4909.9185792208	Sum of GTIs [s]
livetime	4845.7668783538	Livetime [s]
ontime6	4909.8775392771	Sum of GTIs [s]
ontime7	4909.9185792208	Sum of GTIs [s]
ontime8	4909.8364992142	Sum of GTIs [s]
l2events	23127	Number of level 2 events



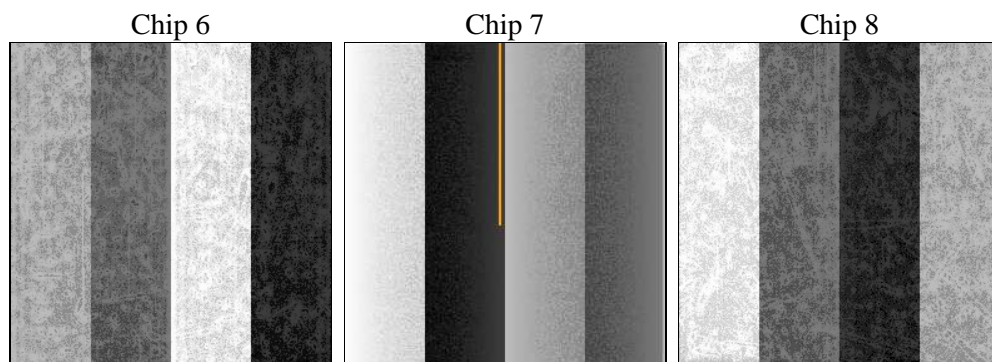
2 OBI

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	4909.9185792208	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	4909.8775392771	Sum of GTIs [s]
date	2016-05-29T15:10:42	Date and time of file creation	ontime7	4909.9185792208	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4909.8364992142	Sum of GTIs [s]
			l1events	114339	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	32573	40489	41277
rejected events	28984	23408	30731
rejected %	88%	57%	74%

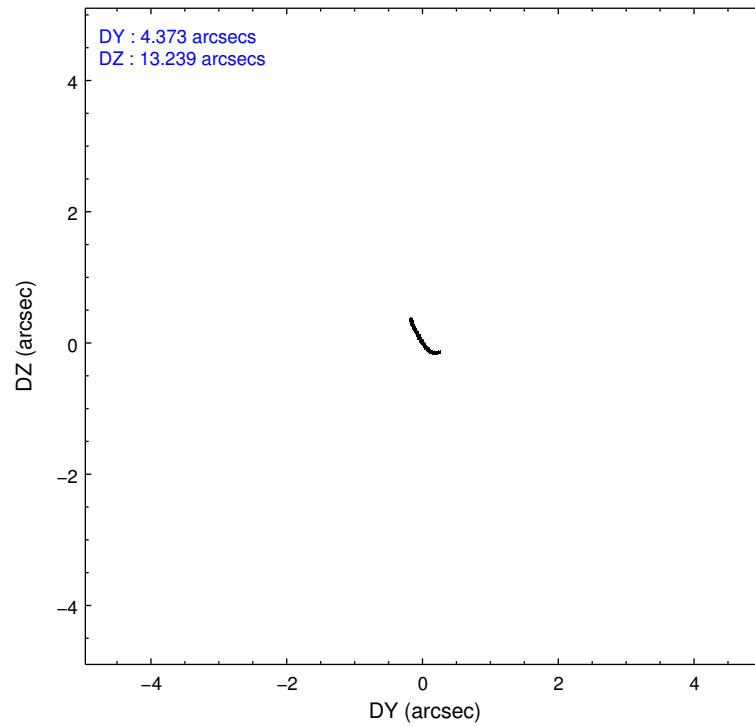
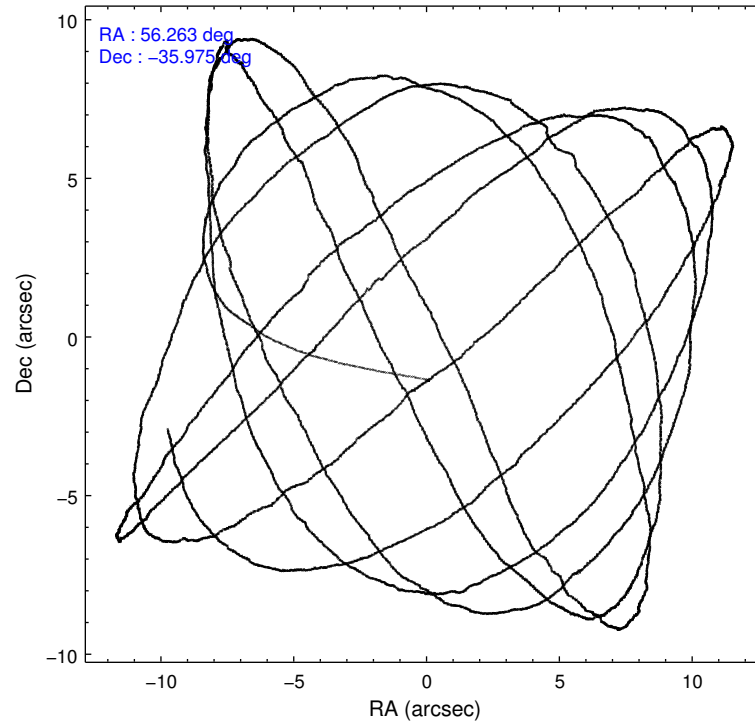
	ccd 6	ccd 7	ccd 8
grade 0 events	1097	1400	2972
	3%	3%	7%
grade 1 events	14	57	28
	0%	0%	0%
grade 2 events	886	3613	2534
	2%	8%	6%
grade 3 events	346	1274	1193
	1%	3%	2%
grade 4 events	351	1214	1004
	1%	2%	2%
grade 5 events	1389	3884	2164
	4%	9%	5%
grade 6 events	914	9611	2881
	2%	23%	6%
grade 7 events	27576	19436	28501
	84%	48%	69%

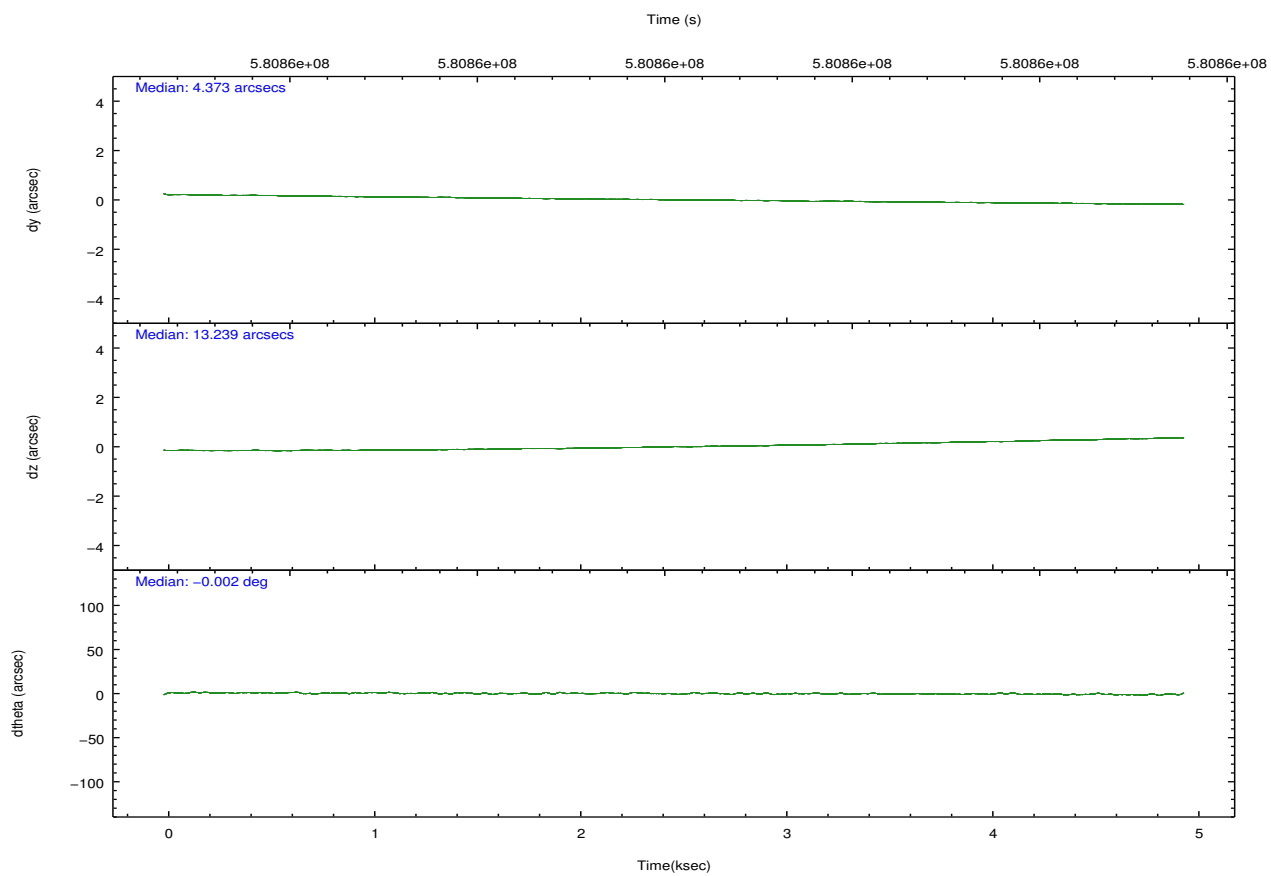
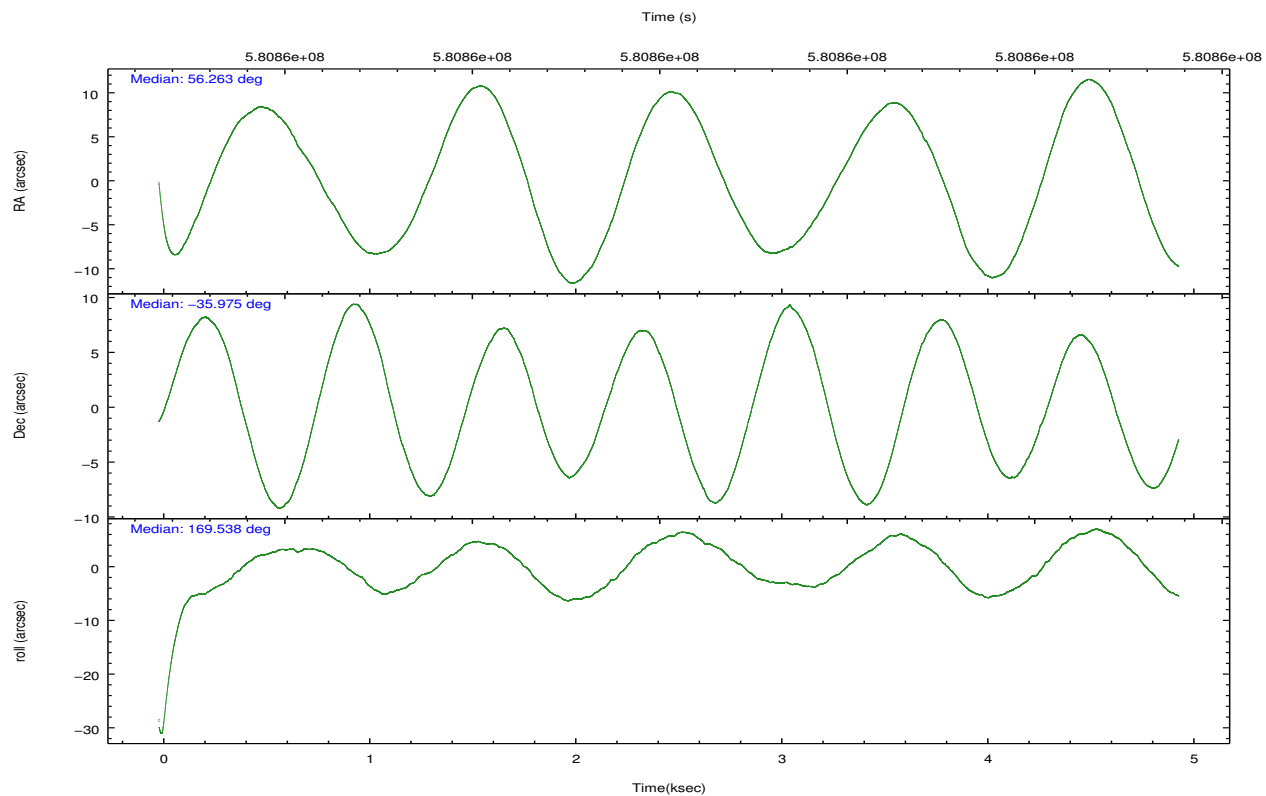
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	56.295025	56.26326155539183
[deg] Pointing Dec	-35.965365	-35.97490083254053
[deg] Pointing Roll	169.409135	169.5470347314397
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	580859711.184000	580858466.9464
Observation start date	2016-05-28T21:54:03	2016-05-28T21:34:26
[s] Observation end time (MET)	580864511.184000	580865737.2718199
Observation end date	2016-05-28T23:14:03	2016-05-28T23:35:37
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	N	N
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O2	Y
CCD S3 on	Y	Y
CCD S4 on	O1	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



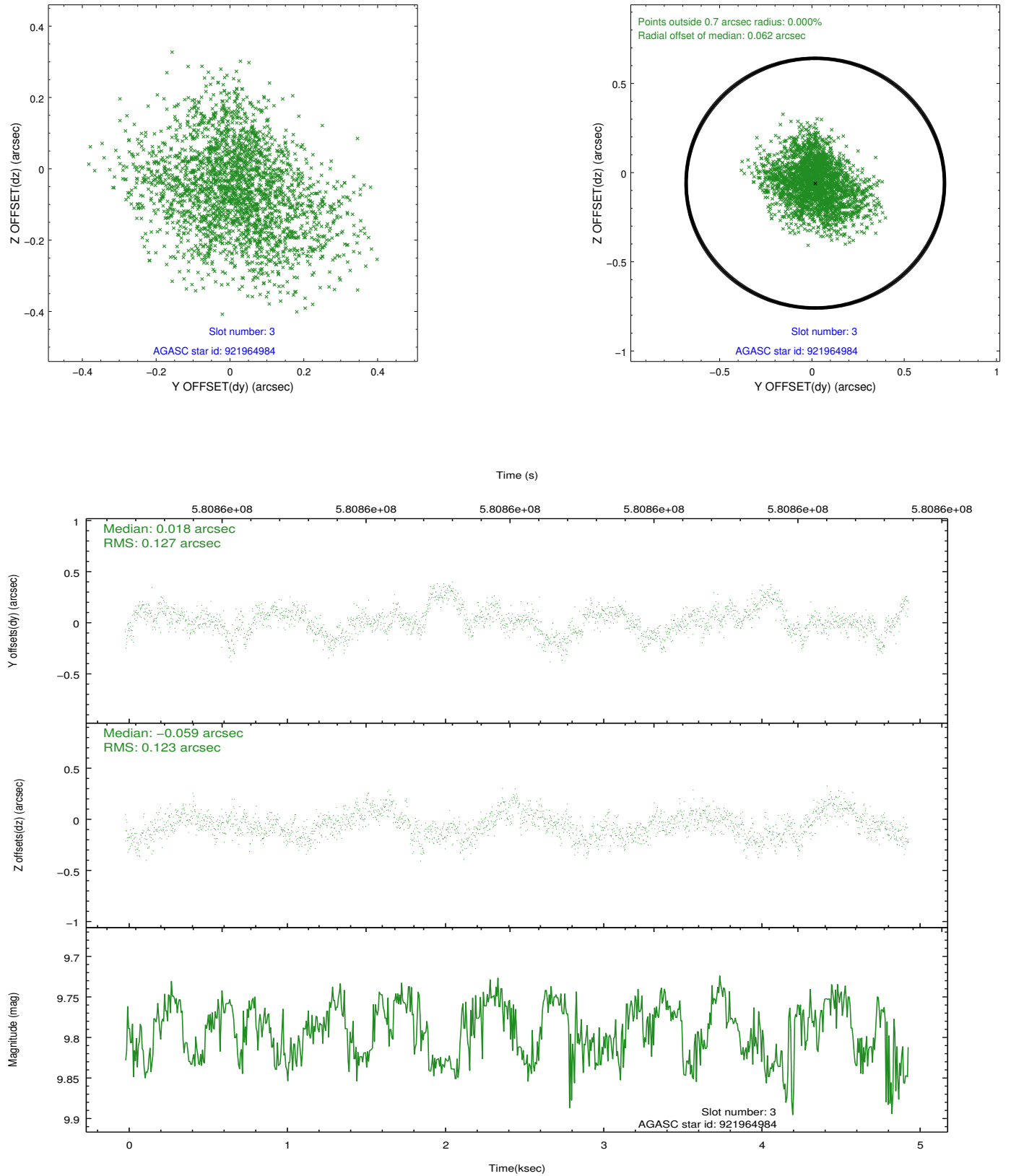


Slot Statistics

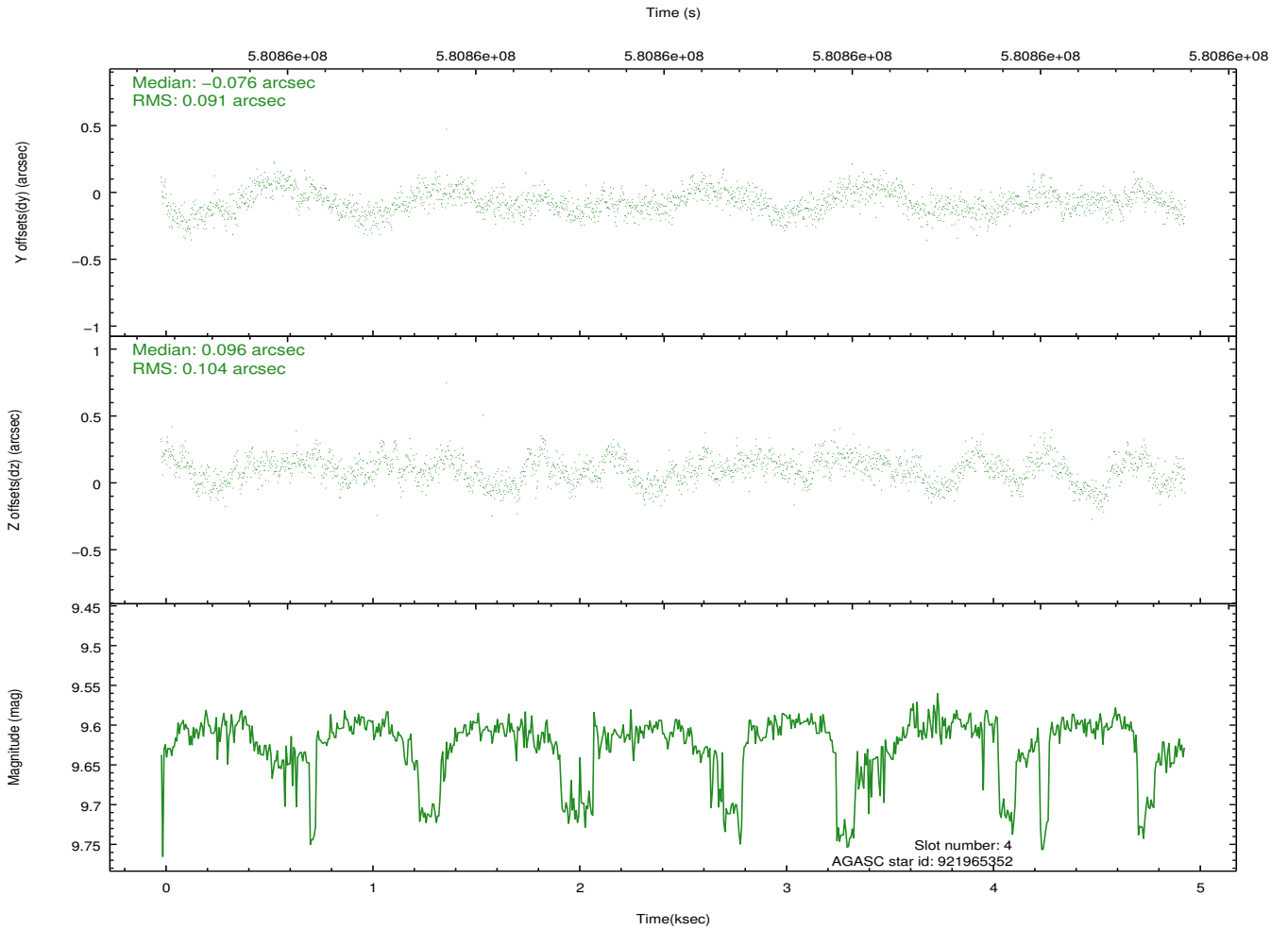
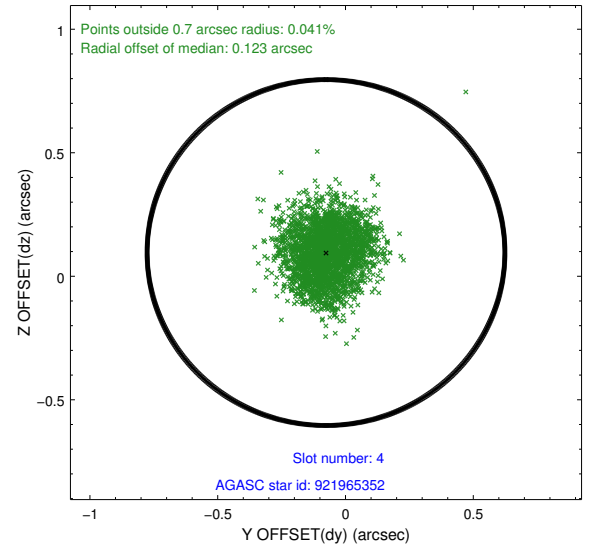
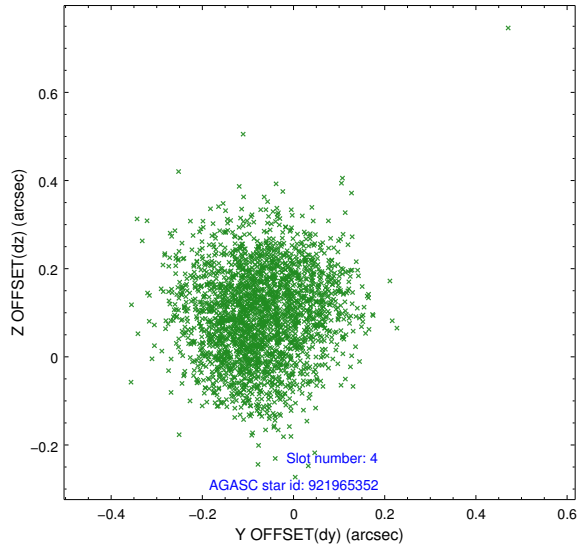
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.21	1208	0.049	0.025	0.008	0.014	0.000000	0.000000	938.92	-1730.26
1	FID		ACIS-S-2	7.12	1208	-0.222	-0.115	0.006	0.010	0.000000	0.000000	-756.56	-1736.13
2	FID		ACIS-S-4	7.22	1208	0.147	0.096	0.007	0.013	0.000000	0.000000	2155.81	172.64
3	GUIDE	used	921964984	9.79	2411	0.018	-0.059	0.193	0.301	55.928413	-35.253821	1530.68	-2317.26
4	GUIDE	used	921965352	9.62	2416	-0.076	0.096	0.150	0.229	56.101758	-35.771375	683.15	-582.07
5	GUIDE	used	921968656	8.45	2415	0.036	0.076	0.089	0.144	56.536543	-36.135468	-802.34	473.90
6	GUIDE	used	921970120	9.34	2413	0.075	-0.045	0.112	0.175	56.881132	-36.529560	-2041.06	1690.25
7	GUIDE	used	921971032	6.72	2415	-0.053	-0.067	0.107	0.191	56.956735	-36.105785	-1986.69	150.03

2.4 Star Slots

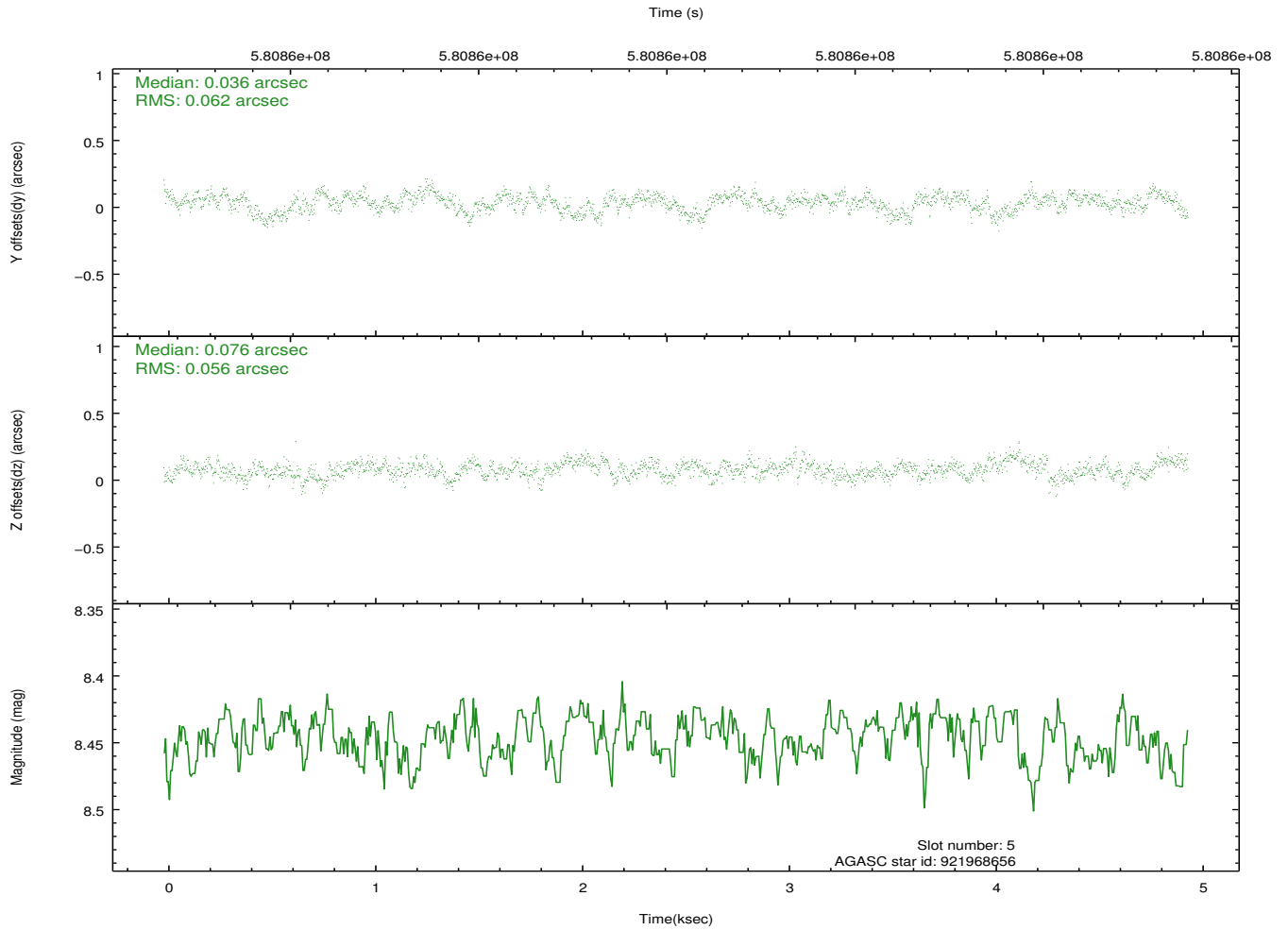
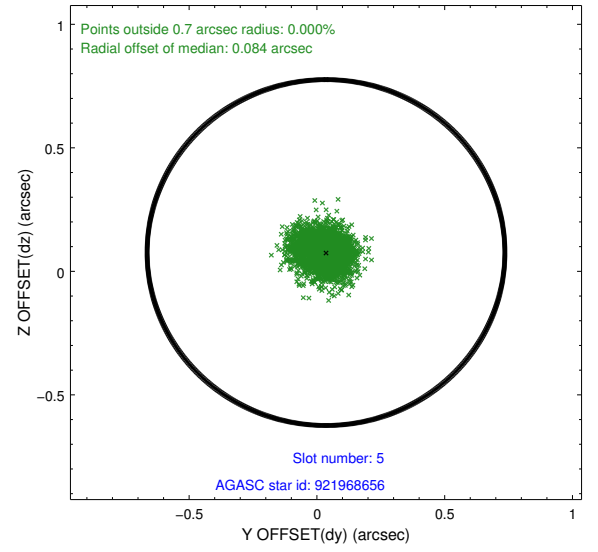
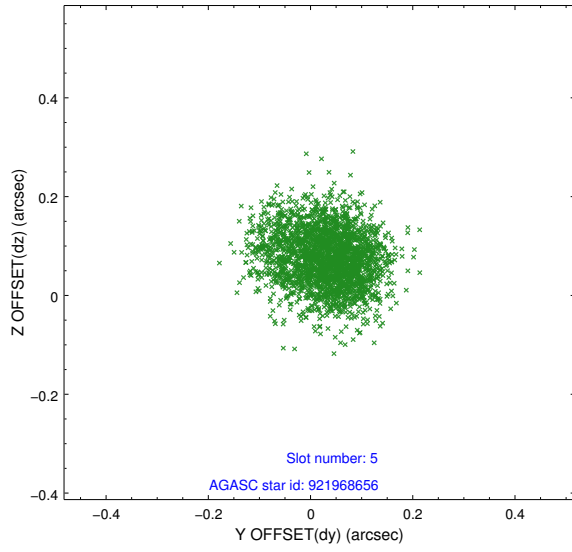
2.4.1 Slot 3



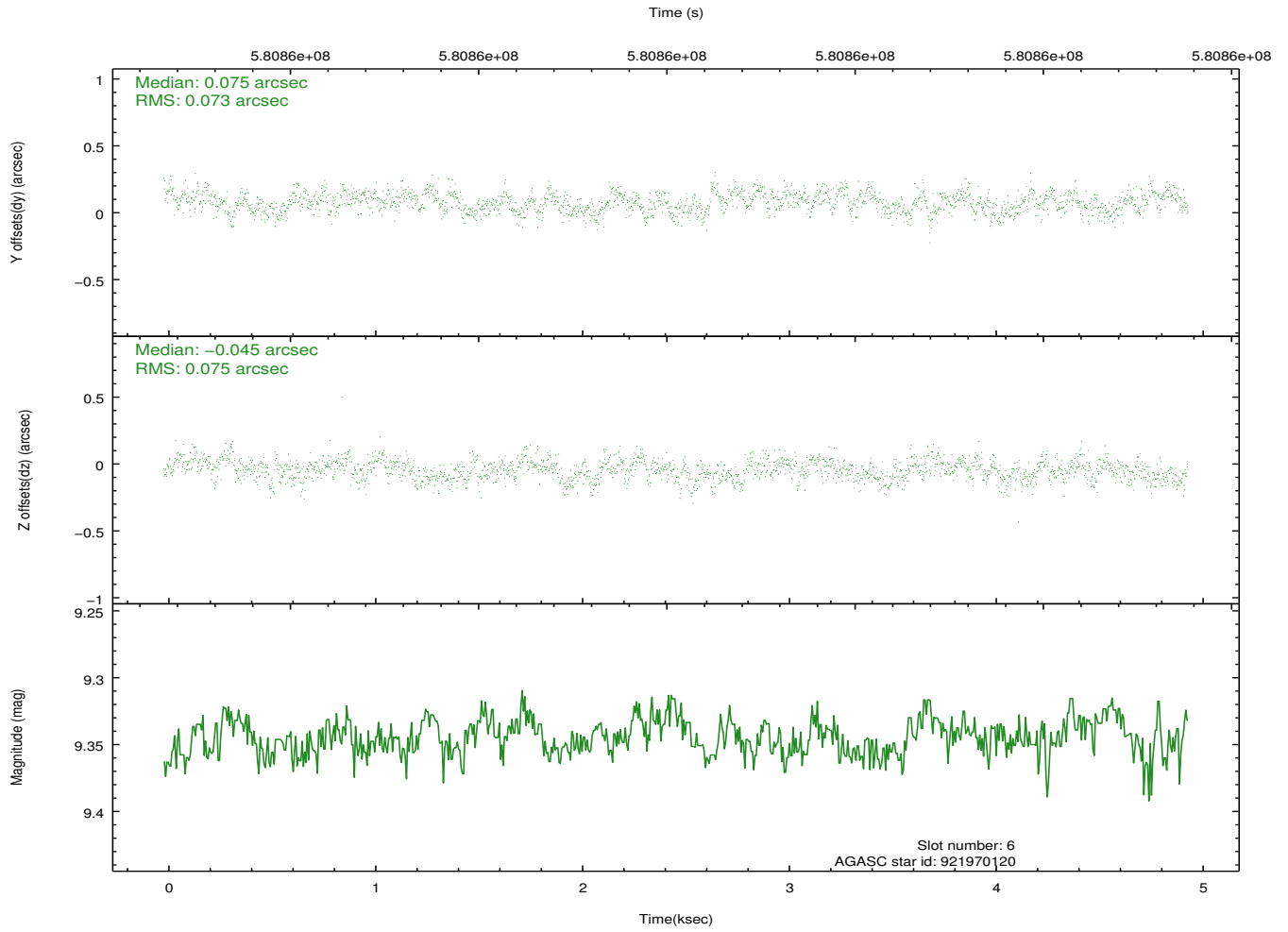
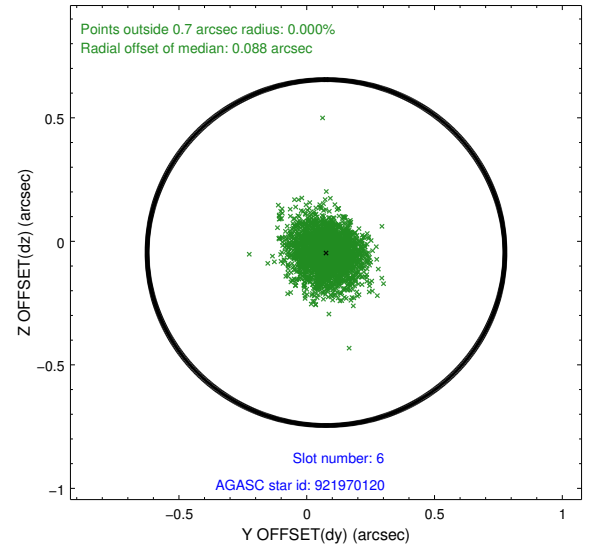
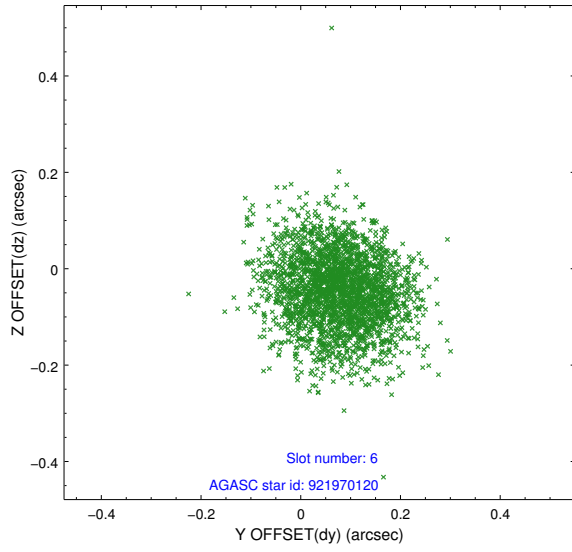
2.4.2 Slot 4



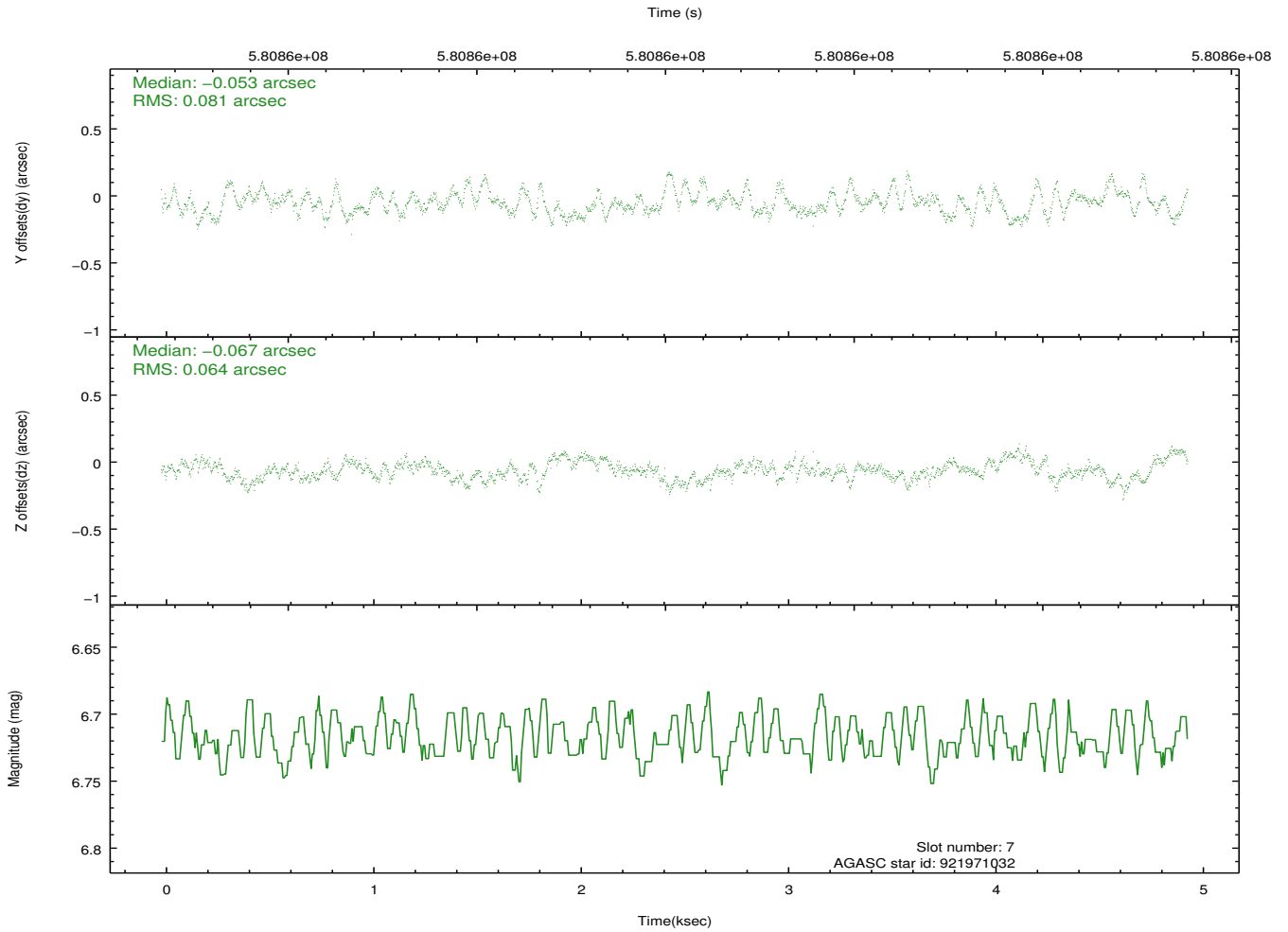
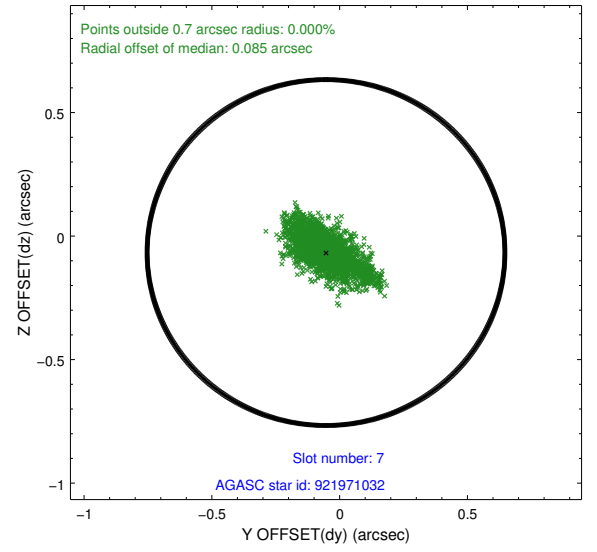
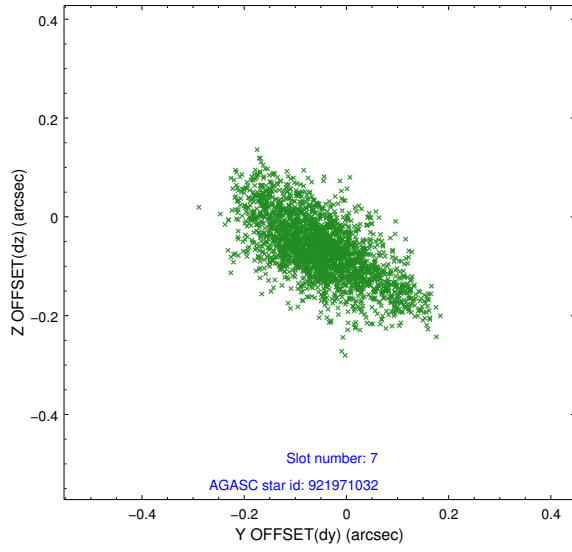
2.4.3 Slot 5



2.4.4 Slot 6

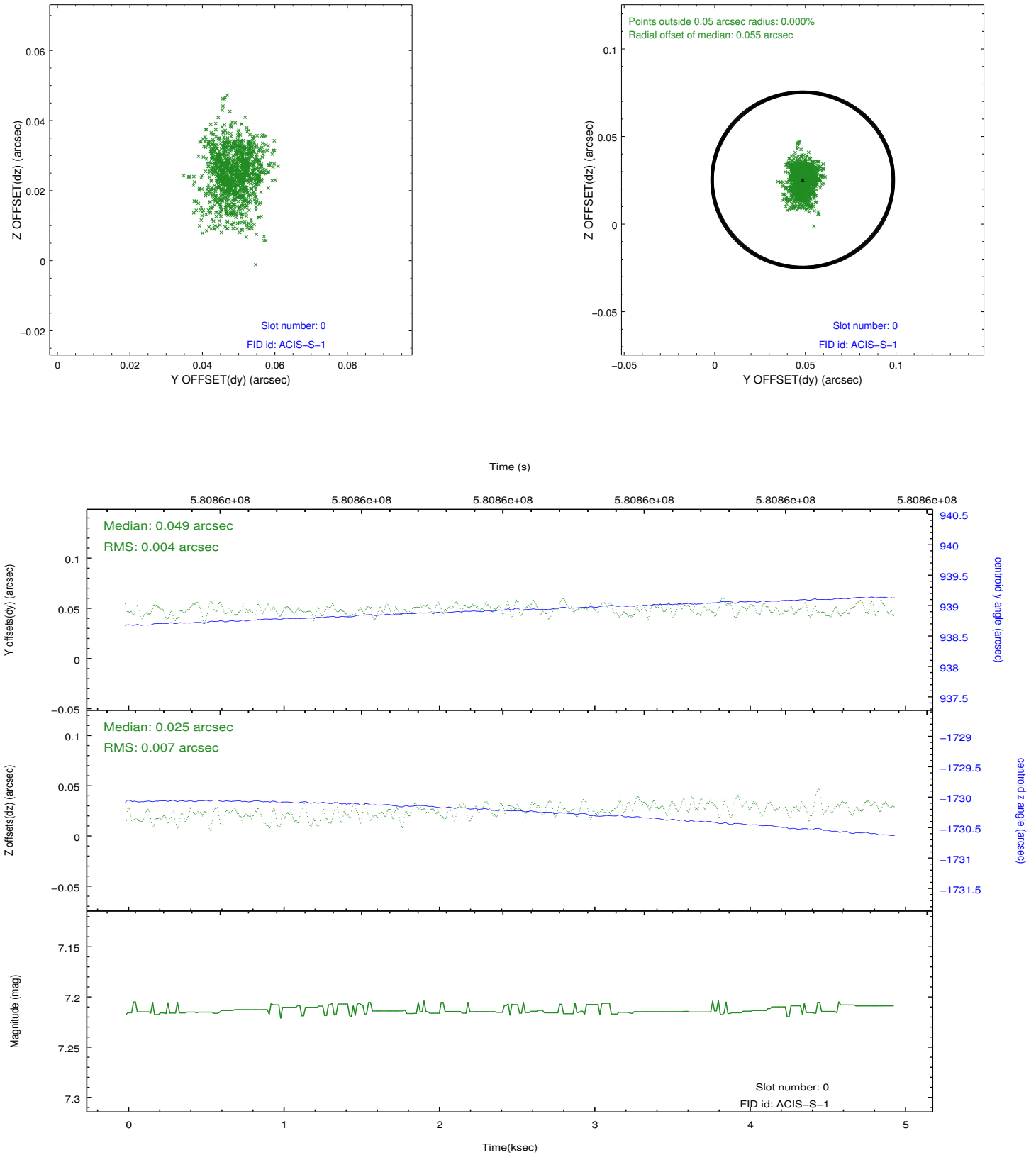


2.4.5 Slot 7

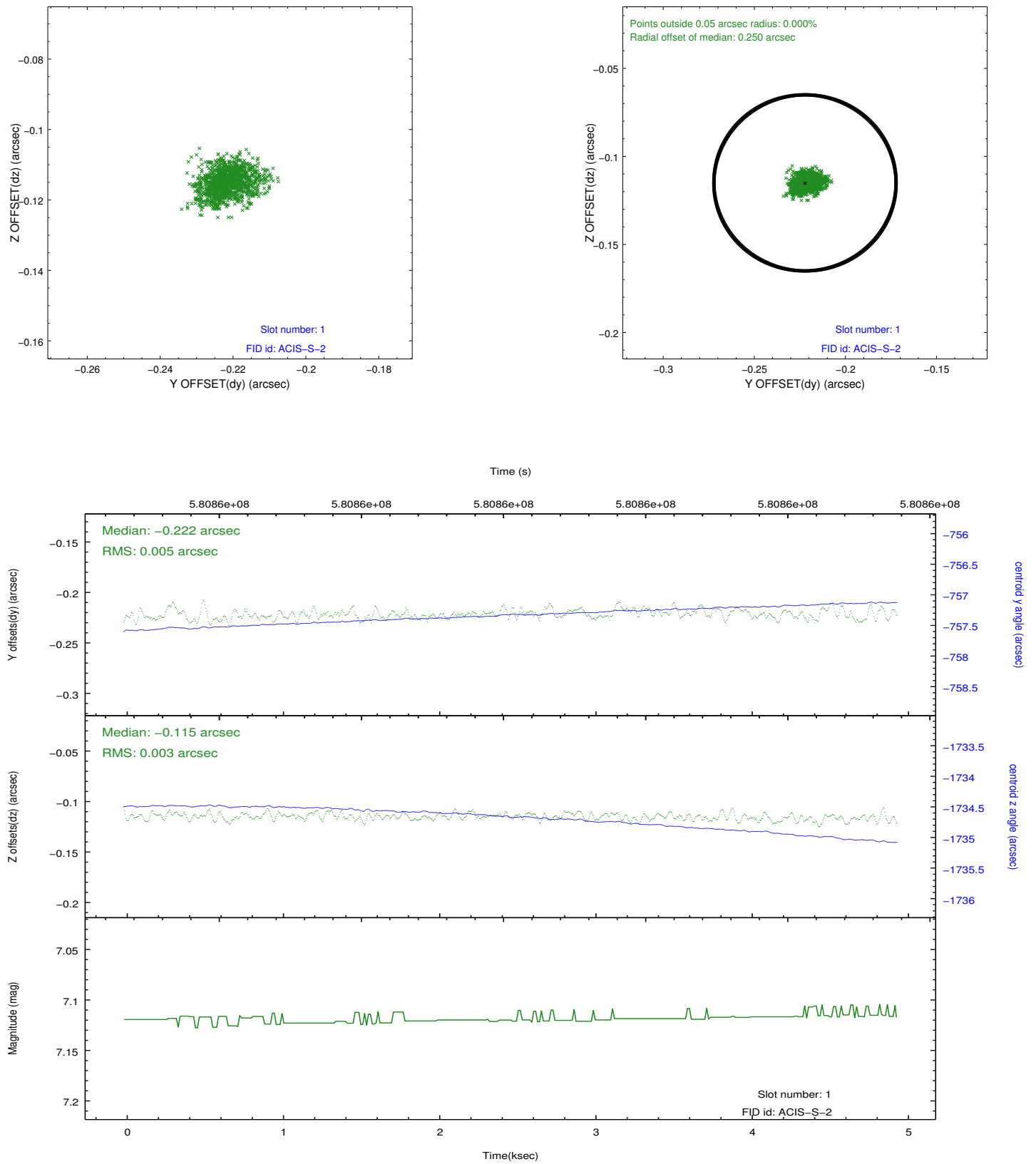


2.5 FID Slots

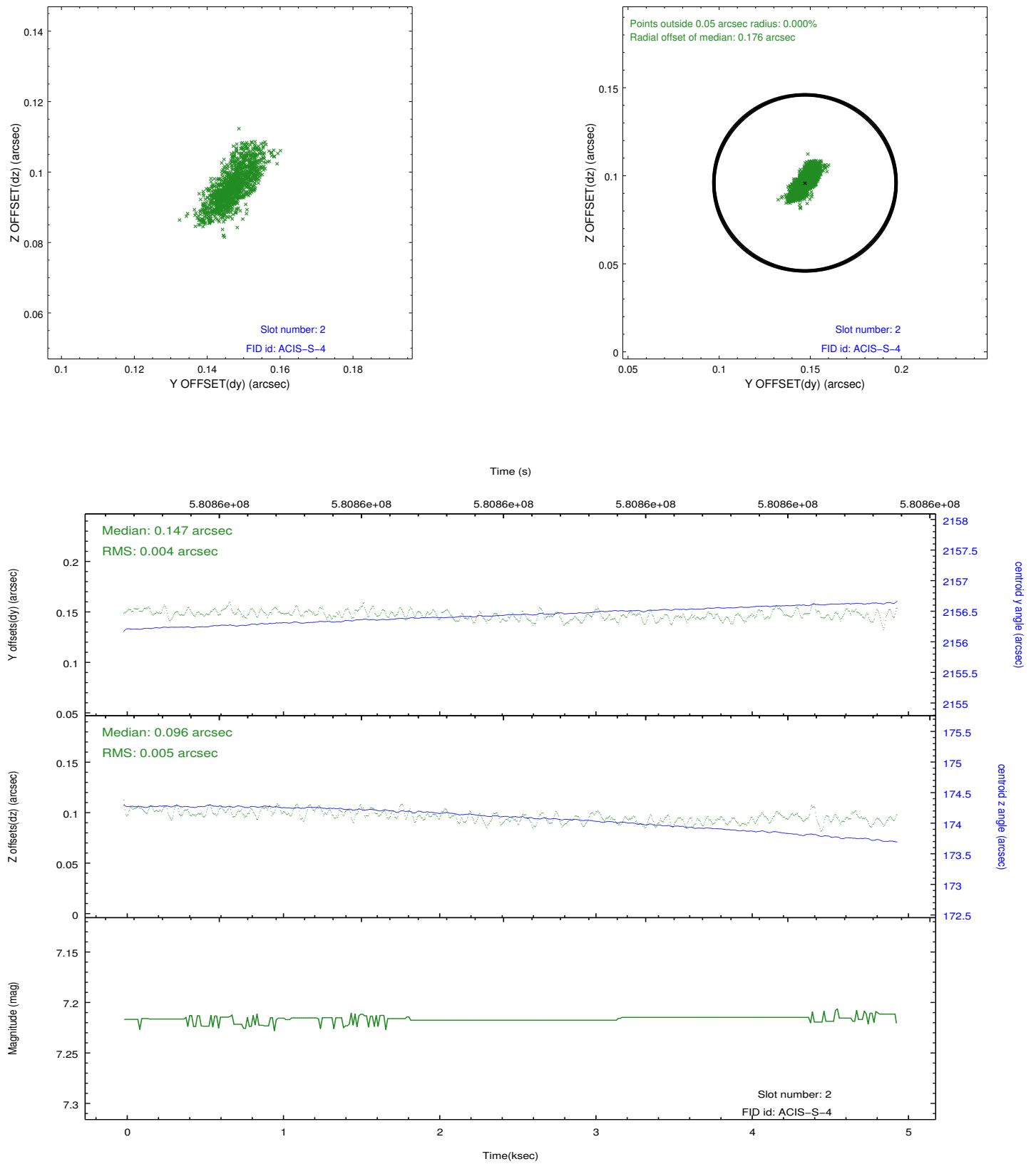
2.5.1 Slot 0



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)	2016.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9099185792208

A.2 Comments