

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18643 - L2 Version 1
Chandra X-Ray Center

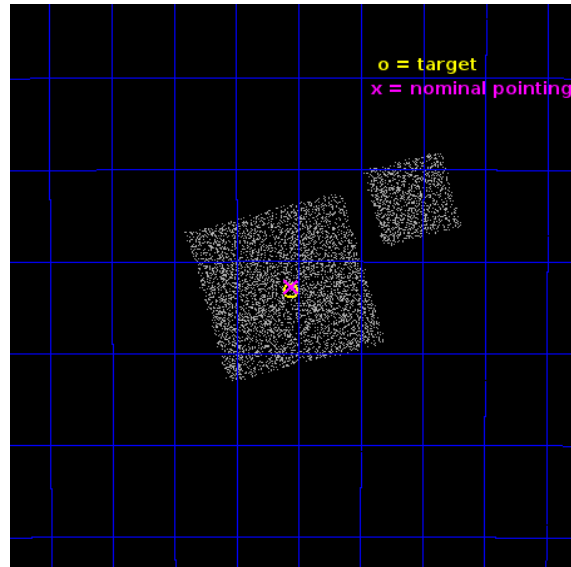
L2 Processing Date : May 22 2016

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1 Front

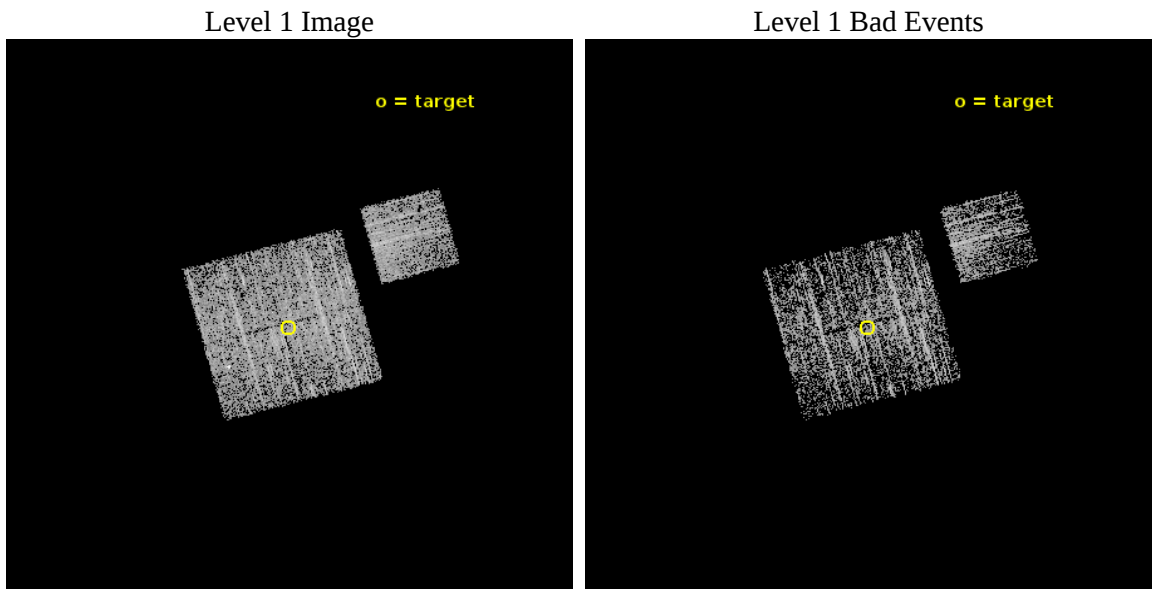
seq_num	300367	Sequence number
obs_id	18643	Observation id
title	X-raying the Galactic center/bulge interface	Proposal title
observer	Q. Daniel Wang	Principal investigator
object	GC-GB interface	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.64006	Observer's specified target RA [deg]
dec_targ	-29.88628	Observer's specified target Dec [deg]
ra_nom	265.63923319991	Nominal RA [deg]
dec_nom	-29.879384235801	Nominal Dec [deg]
roll_nom	74.790836225546	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1955.8295674324	Sum of GTIs [s]
livetime	1930.2752142731	Livetime [s]
ontime0	1955.7064474821	Sum of GTIs [s]
ontime1	1955.7474874258	Sum of GTIs [s]
ontime2	1955.7885274887	Sum of GTIs [s]
ontime3	1955.8295674324	Sum of GTIs [s]
ontime6	1955.6654074192	Sum of GTIs [s]
l2events	6862	Number of level 2 events



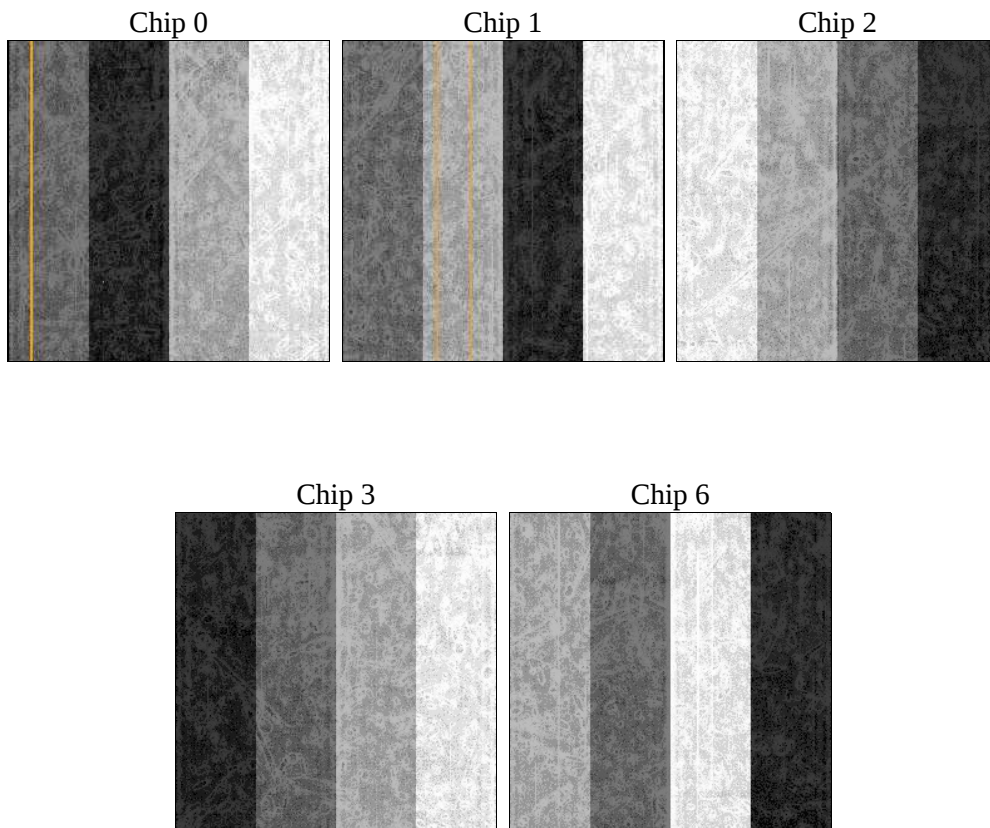
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	1955.8295674324	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	1955.7064474821	Sum of GTIs [s]
date	2016-05-22T07:35:53	Date and time of file creation	ontime1	1955.7474874258	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	1955.7885274887	Sum of GTIs [s]
			ontime3	1955.8295674324	Sum of GTIs [s]
			ontime6	1955.6654074192	Sum of GTIs [s]
			l1events	61541	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	11365	11800	12928	12896	12552
rejected events	9670	9775	11366	11349	11067
rejected %	85%	82%	87%	88%	88%

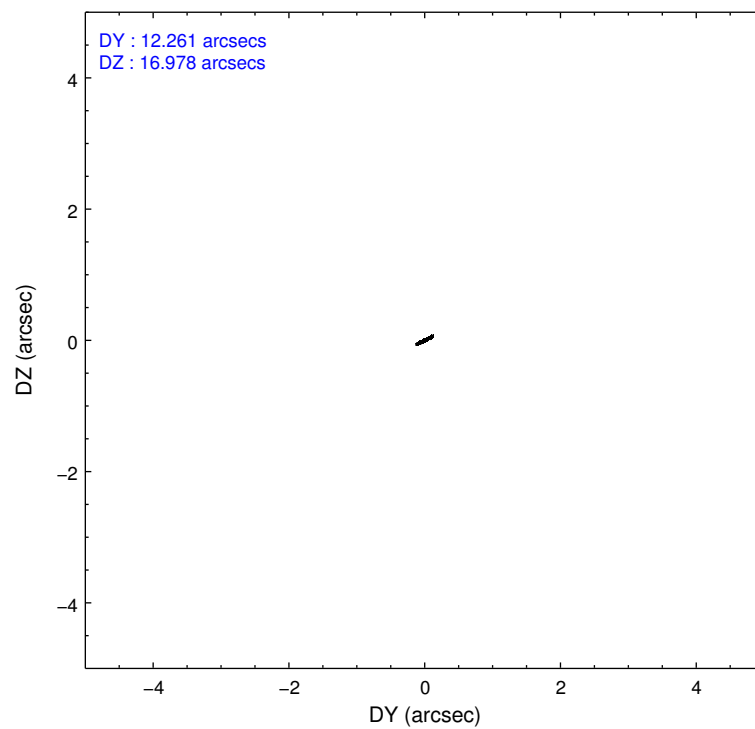
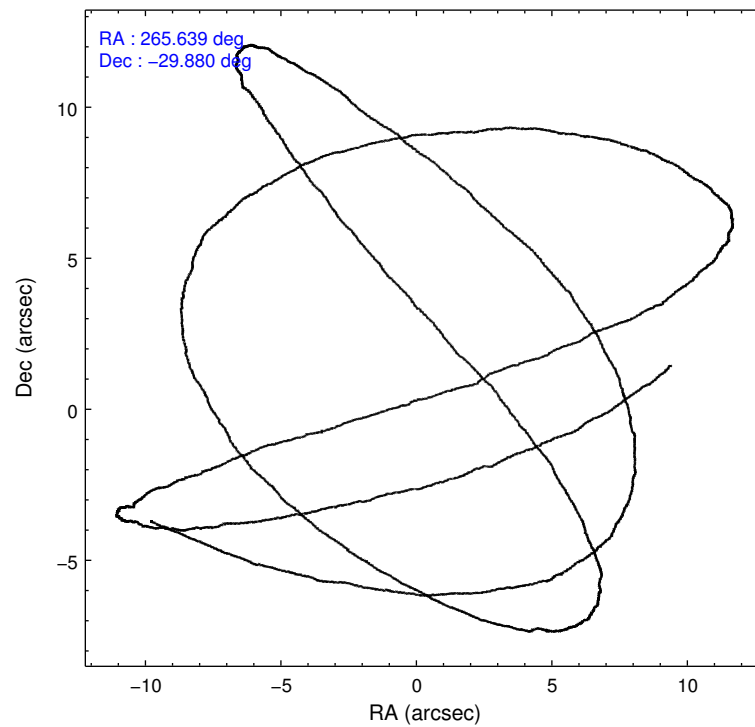
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	694	1016	634	637	521
	6%	8%	4%	4%	4%
grade 1 events	12	6	9	8	6
	0%	0%	0%	0%	0%
grade 2 events	394	362	352	321	342
	3%	3%	2%	2%	2%
grade 3 events	151	151	141	146	142
	1%	1%	1%	1%	1%
grade 4 events	148	145	158	142	139
	1%	1%	1%	1%	1%
grade 5 events	517	543	440	616	550
	4%	4%	3%	4%	4%
grade 6 events	311	351	283	304	346
	2%	2%	2%	2%	2%
grade 7 events	9138	9226	10911	10722	10506
	80%	78%	84%	83%	83%

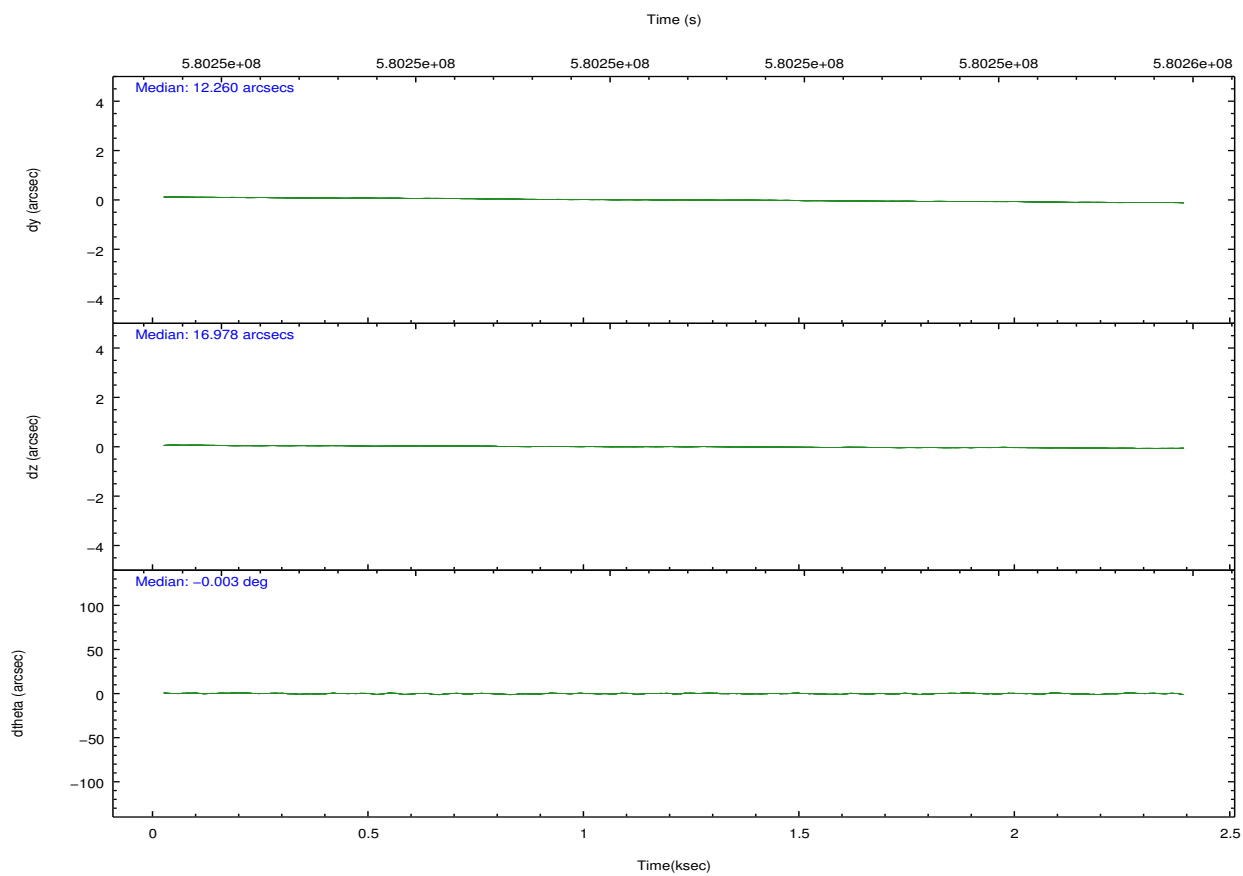
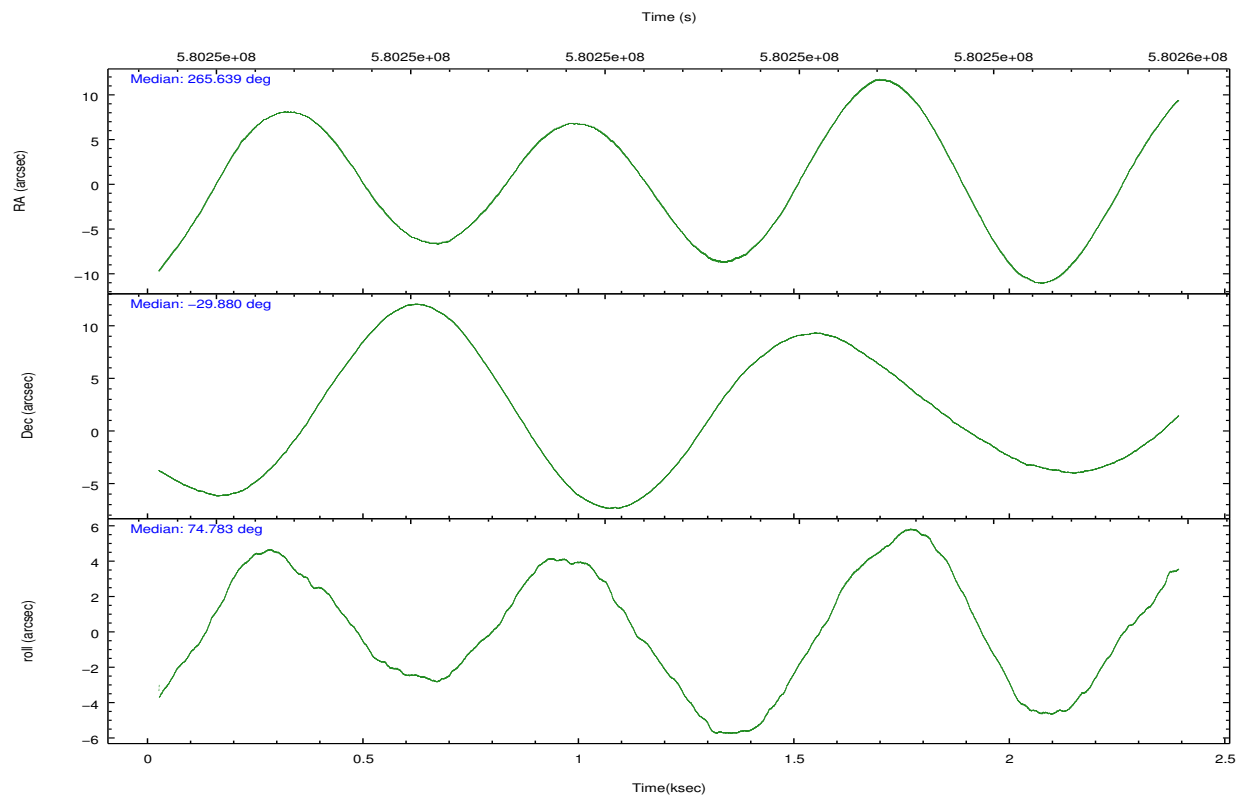
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	265.647564	265.6392331999065
[deg] Pointing Dec	-29.905826	-29.87938423580142
[deg] Pointing Roll	74.586281	74.79083622554641
[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)	580252693.184000	580252317.2742
Observation start date	2016-05-21T21:17:05	2016-05-21T21:11:57
[s] Observation end time (MET)	580254873.184000	580255006.87435
Observation end date	2016-05-21T21:53:25	2016-05-21T21:56:46
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	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
CCD S4 on	N	N
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



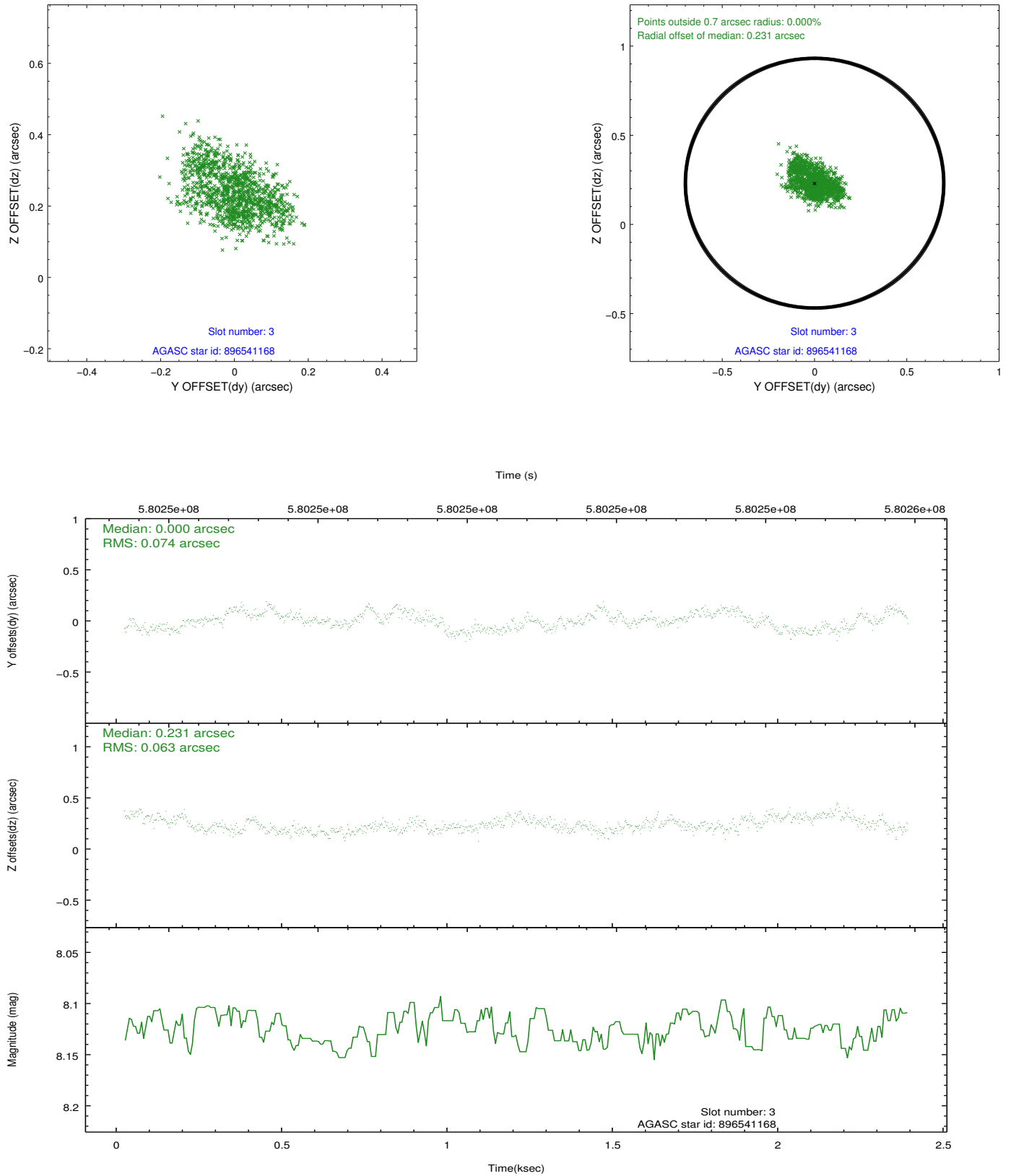


Slot Statistics

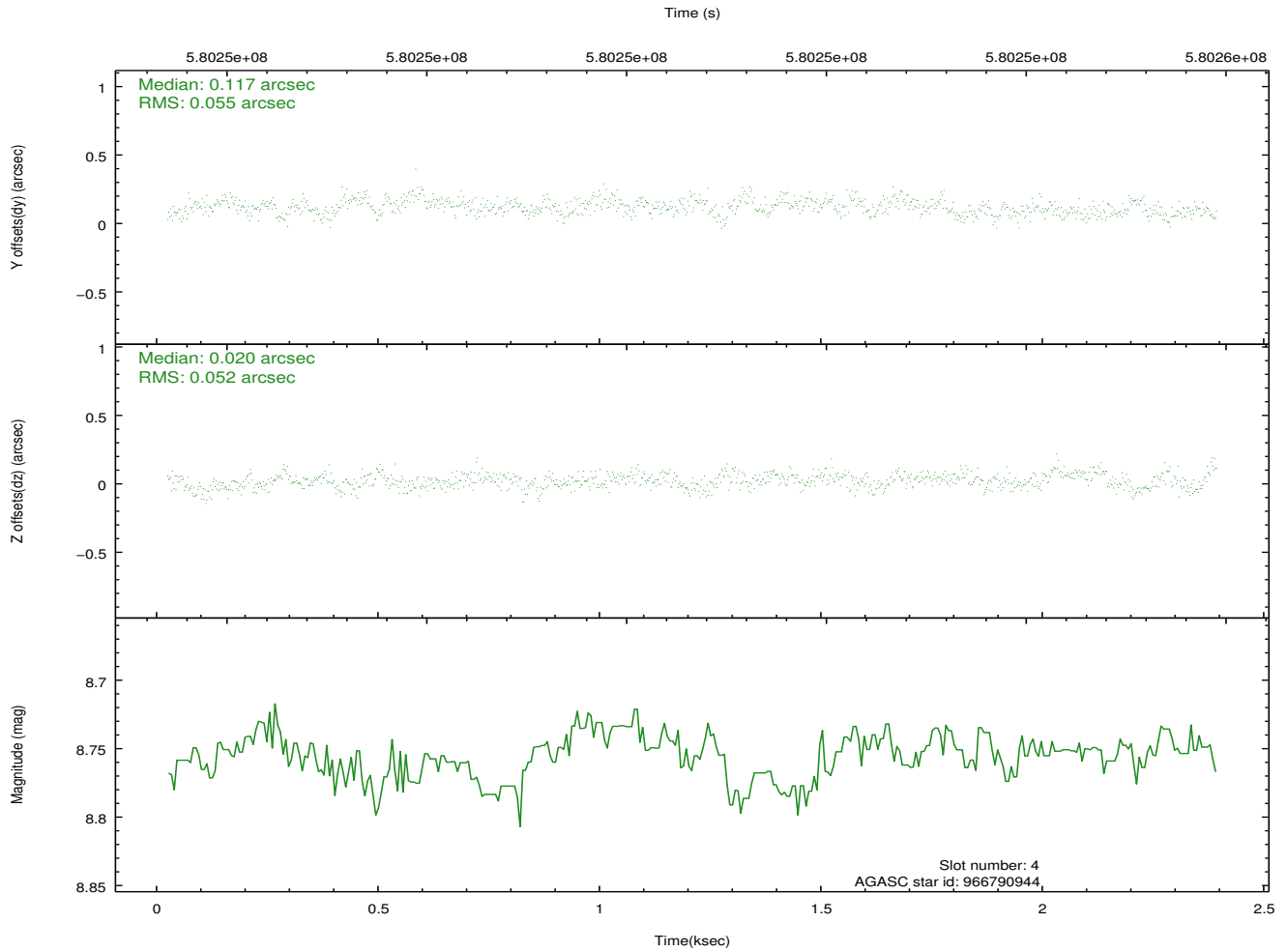
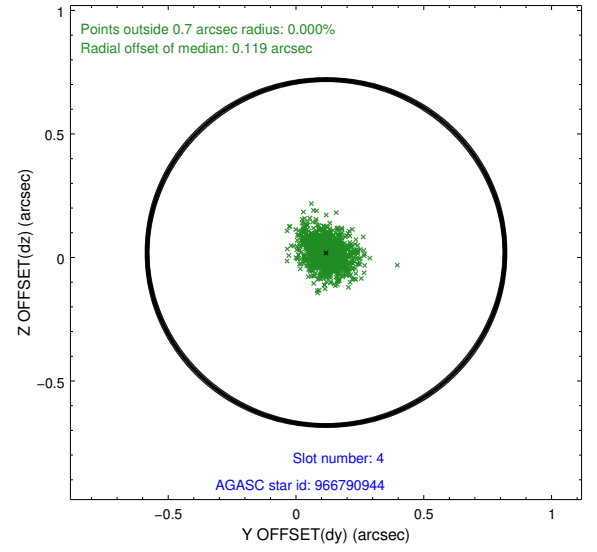
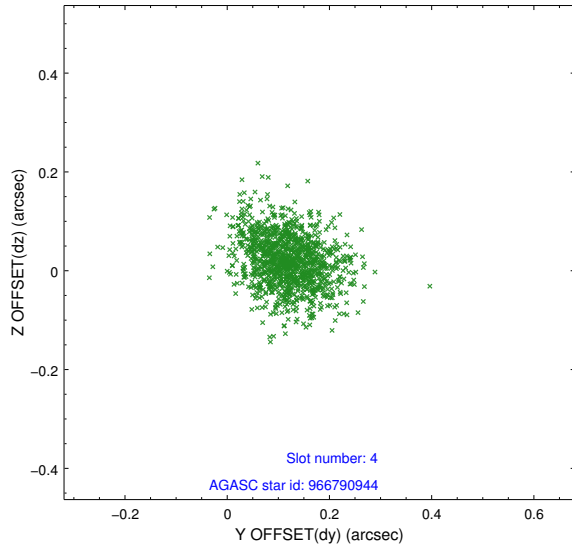
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.26	578	0.087	-0.072	0.006	0.010	0.000000	0.000000	927.37	-840.69
1	FID		ACIS-I-5	7.26	578	-0.311	0.054	0.006	0.011	0.000000	0.000000	-1819.65	1055.51
2	FID		ACIS-I-6	7.26	578	0.133	0.089	0.008	0.013	0.000000	0.000000	389.95	1703.18
3	GUIDE	used	896541168	8.13	1156	0.000	0.231	0.107	0.160	266.319970	-29.850801	744.11	-1972.35
4	GUIDE	used	966790944	8.75	1155	0.117	0.020	0.079	0.132	265.185568	-30.443091	-2246.83	865.59
5	GUIDE	used	966924920	8.07	1156	0.066	0.112	0.088	0.145	265.875401	-30.176961	-753.92	-942.35
6	GUIDE	used	896401864	7.89	1156	0.096	-0.384	0.112	0.177	264.861768	-29.959752	-846.52	2307.64
7	GUIDE	used	896540808	7.50	1155	-0.285	0.006	0.082	0.120	265.985401	-29.308604	2353.13	-448.99

2.4 Star Slots

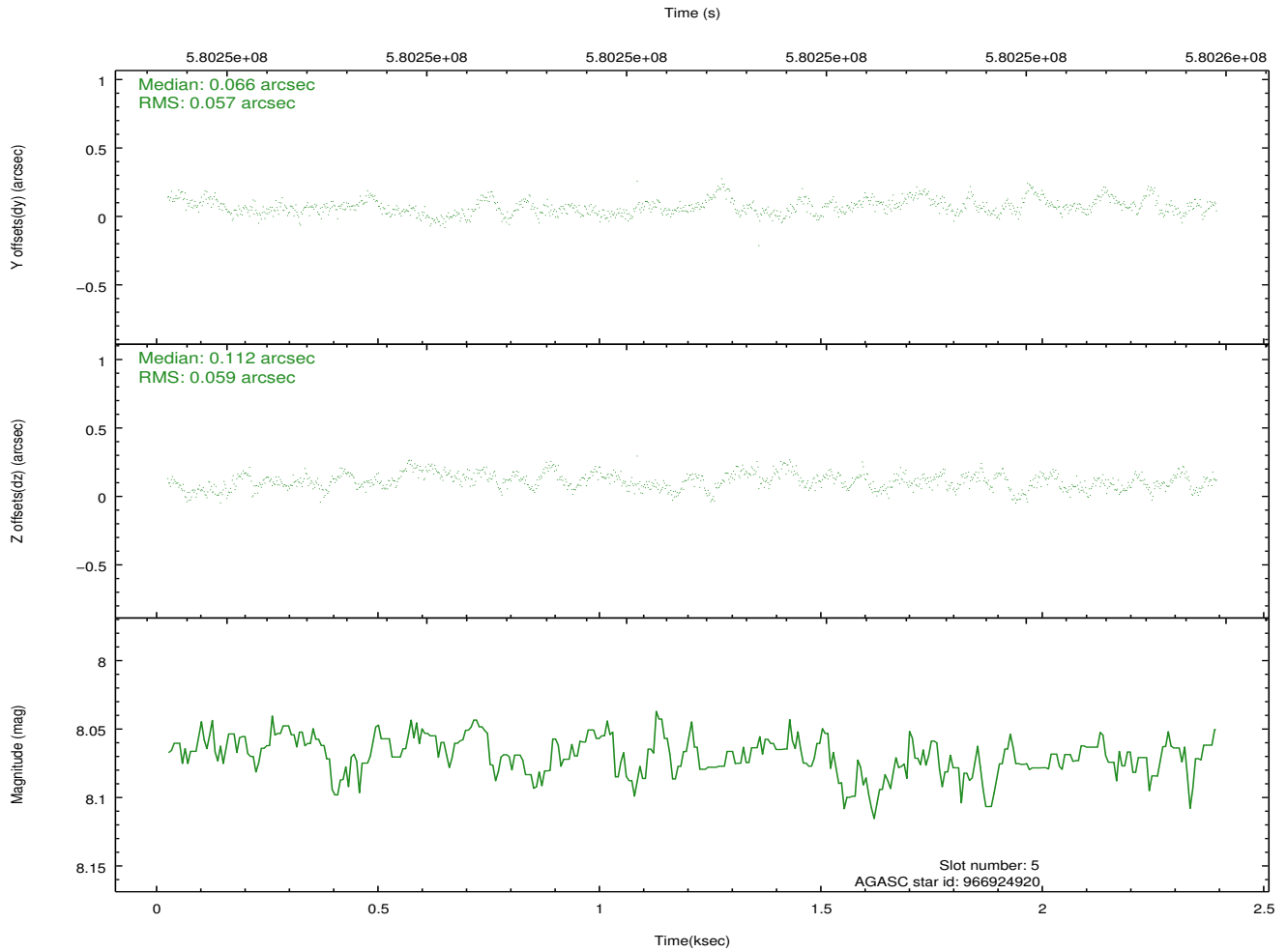
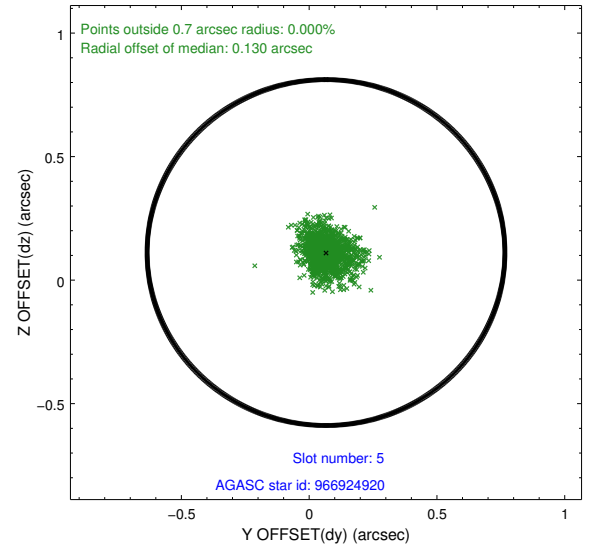
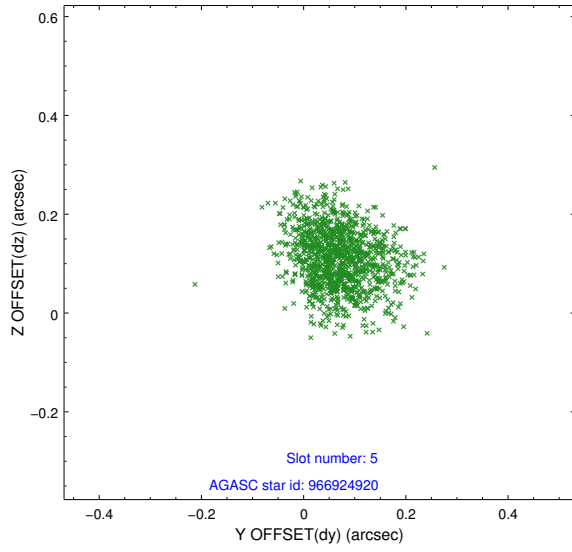
2.4.1 Slot 3



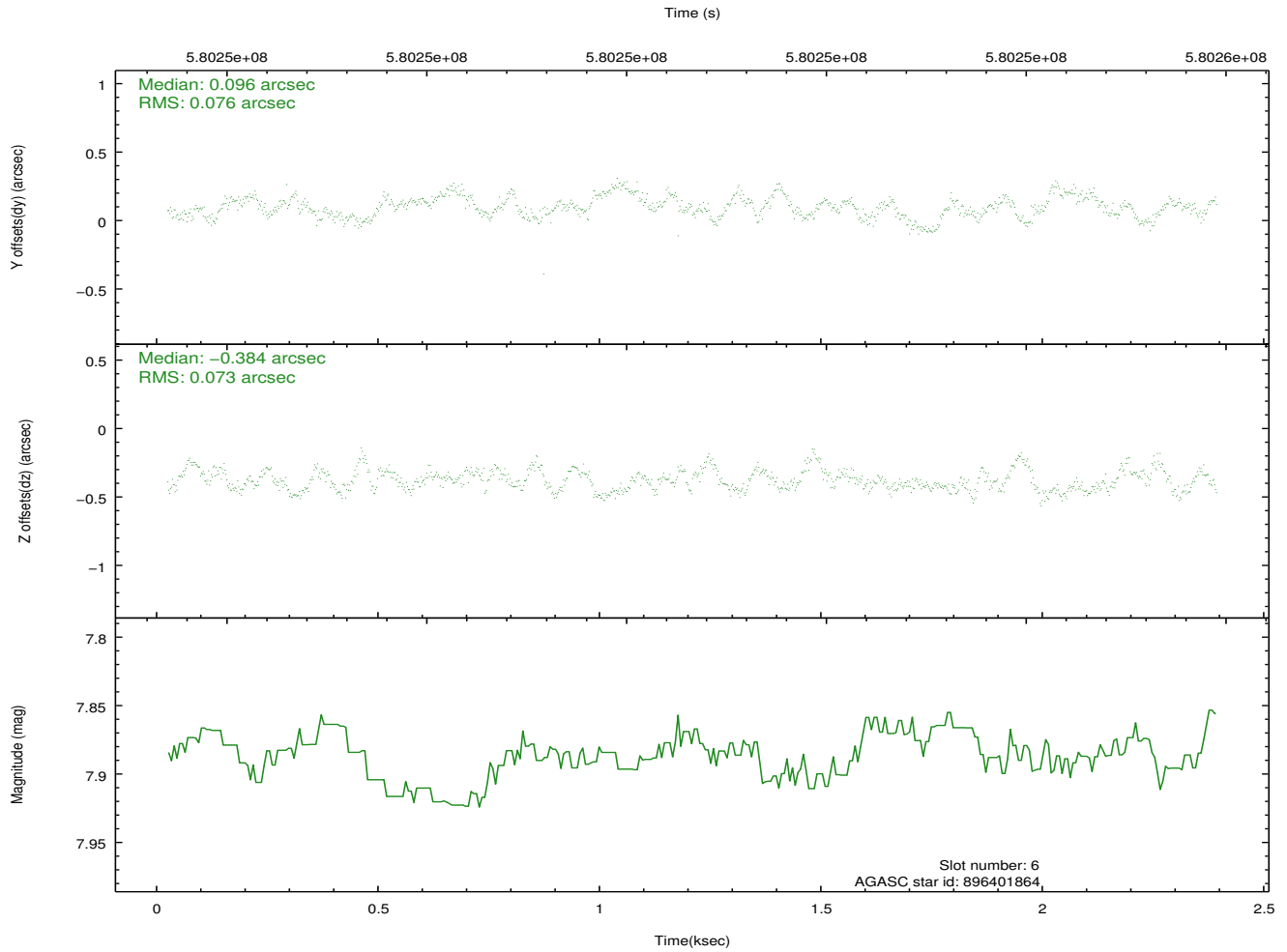
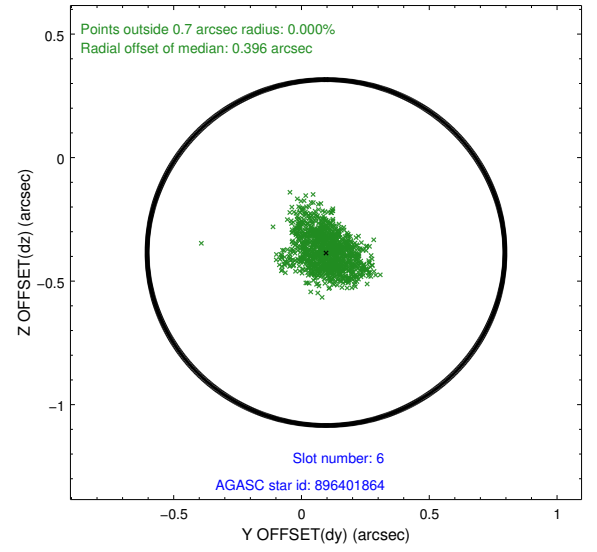
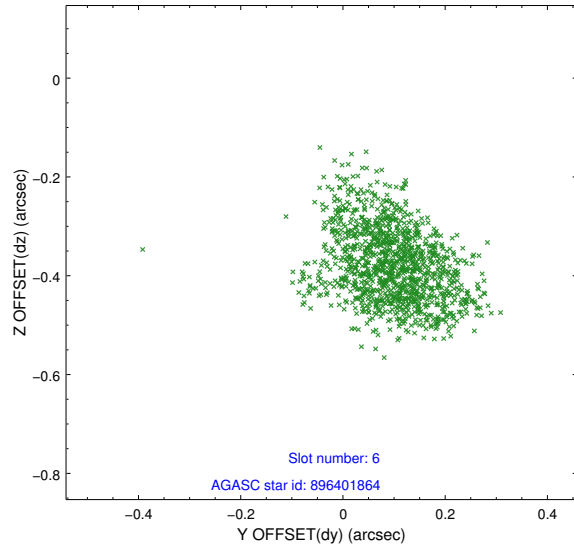
2.4.2 Slot 4



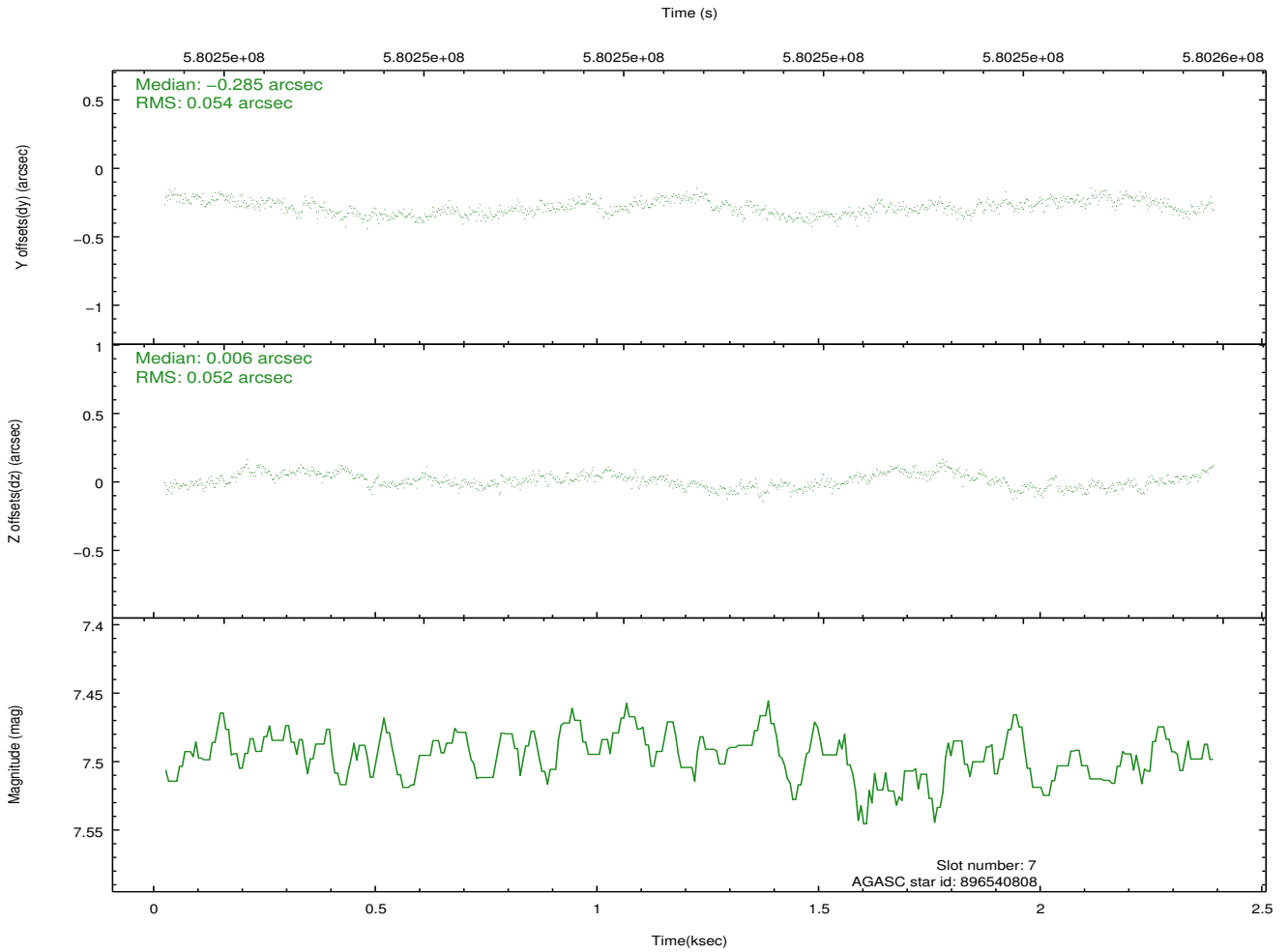
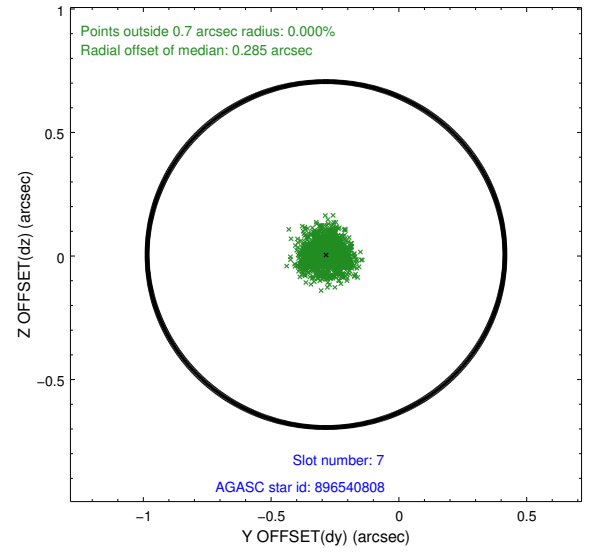
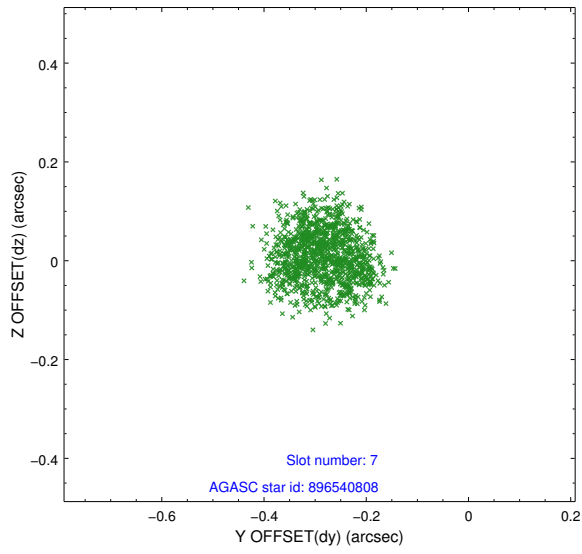
2.4.3 Slot 5



2.4.4 Slot 6

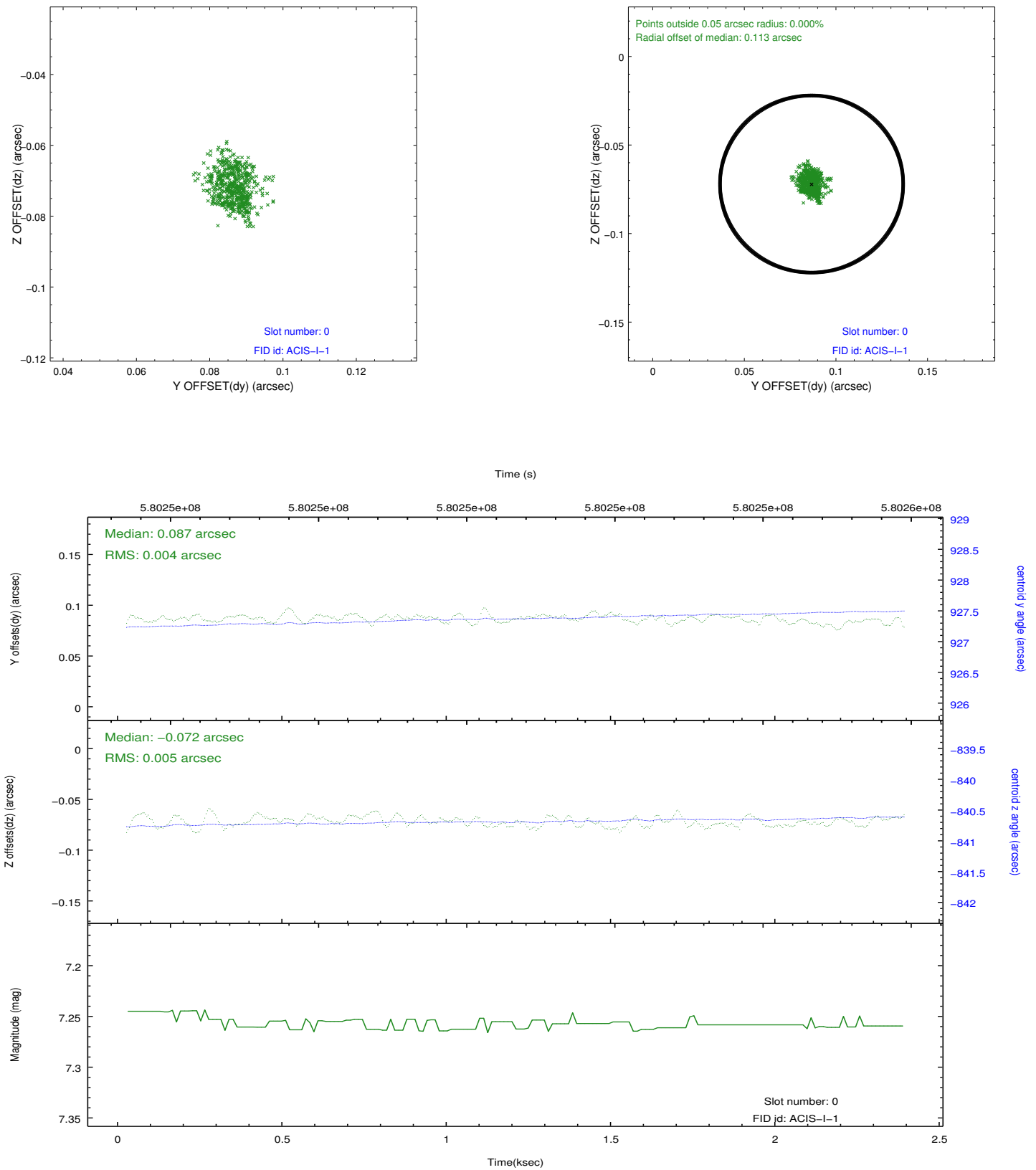


2.4.5 Slot 7

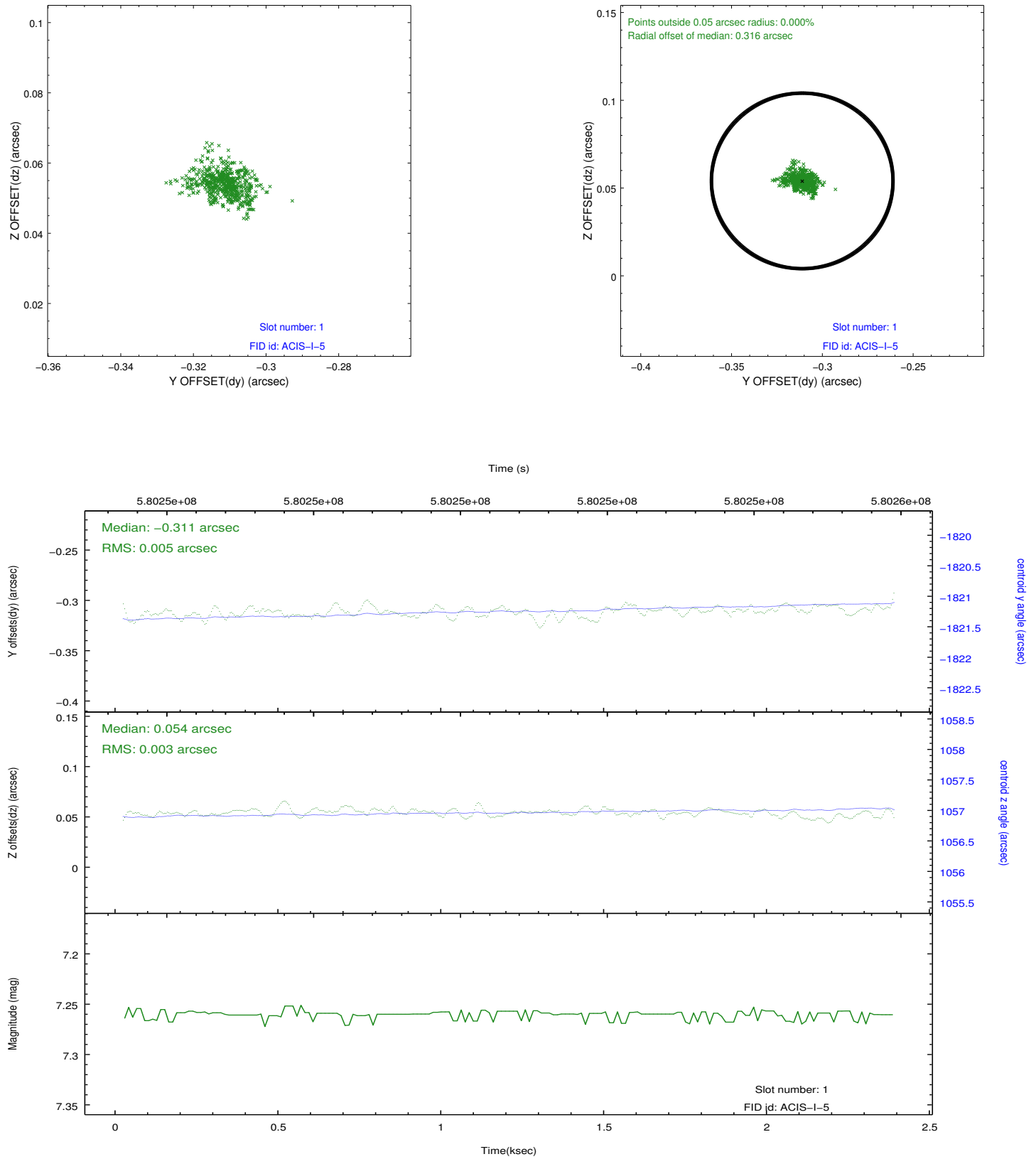


2.5 FID Slots

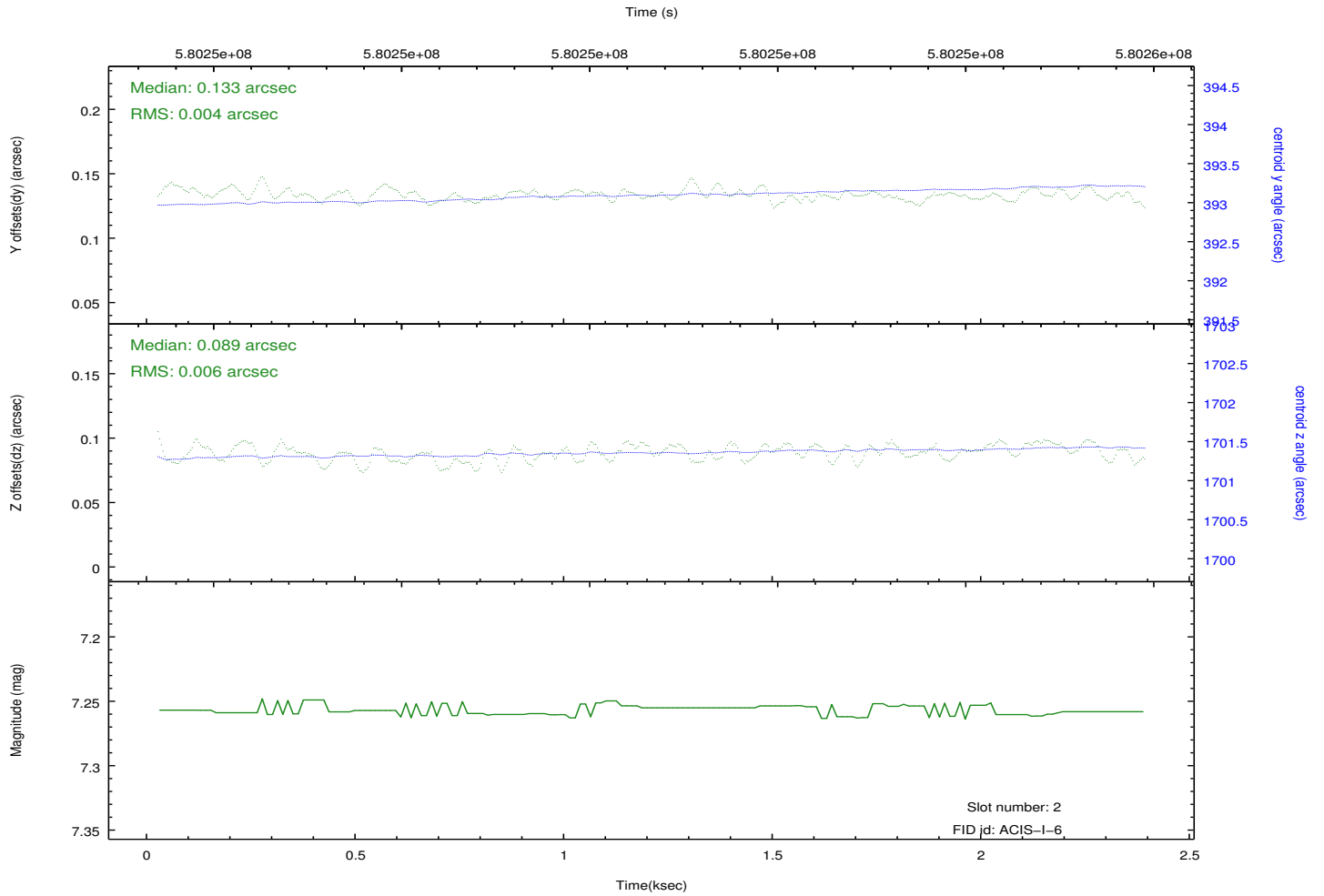
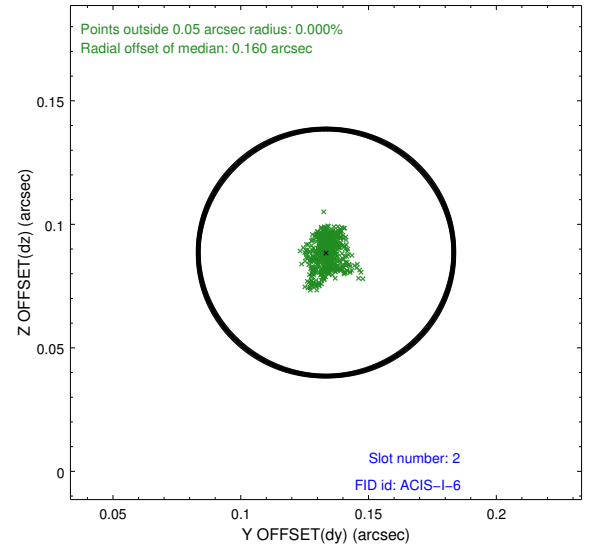
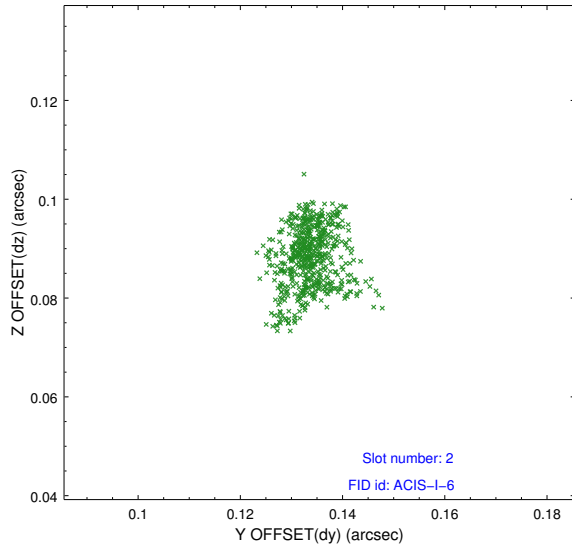
2.5.1 Slot 0



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)	2016.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9558295674324

A.2 Comments