

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18118 - L2 Version 1
Chandra X-Ray Center

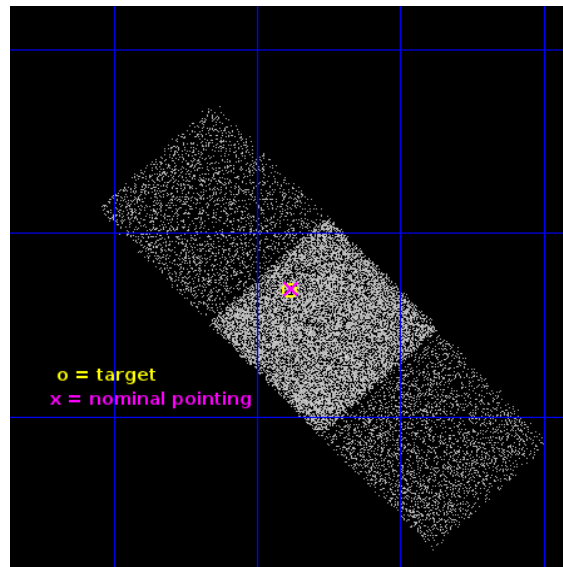
L2 Processing Date : Jan 28 2016

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1 Front

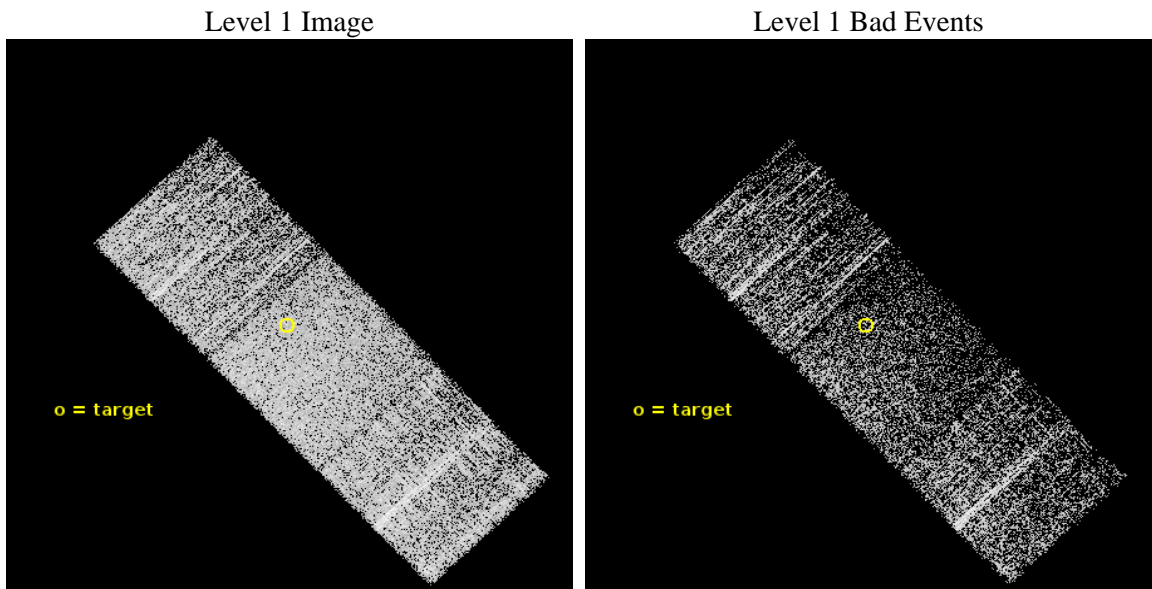
seq_num	703184	Sequence number
obs_id	18118	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J0950+0246	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	147.596667	Observer's specified target RA [deg]
dec_targ	2.781028	Observer's specified target Dec [deg]
ra_nom	147.59506206803	Nominal RA [deg]
dec_nom	2.7828522623328	Nominal Dec [deg]
roll_nom	46.555131095801	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4814.3000371456	Sum of GTIs [s]
livetime	4751.3976629242	Livetime [s]
ontime6	4814.3000371456	Sum of GTIs [s]
ontime7	4814.3000371456	Sum of GTIs [s]
ontime8	4814.3000371456	Sum of GTIs [s]
l2events	22939	Number of level 2 events



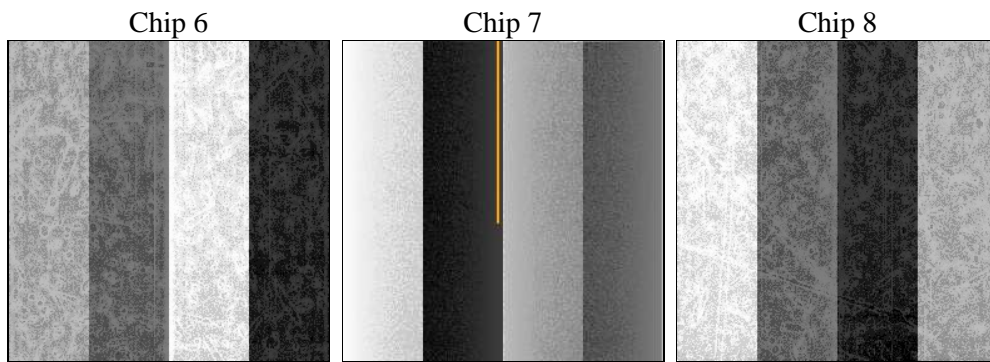
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4814.3000371456	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	4814.3000371456	Sum of GTIs [s]
date	2016-01-28T19:05:28	Date and time of file creation	ontime7	4814.3000371456	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4814.3000371456	Sum of GTIs [s]
			l1events	107899	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	30939	38326	38634
rejected events	27453	21579	27676
rejected %	88%	56%	71%

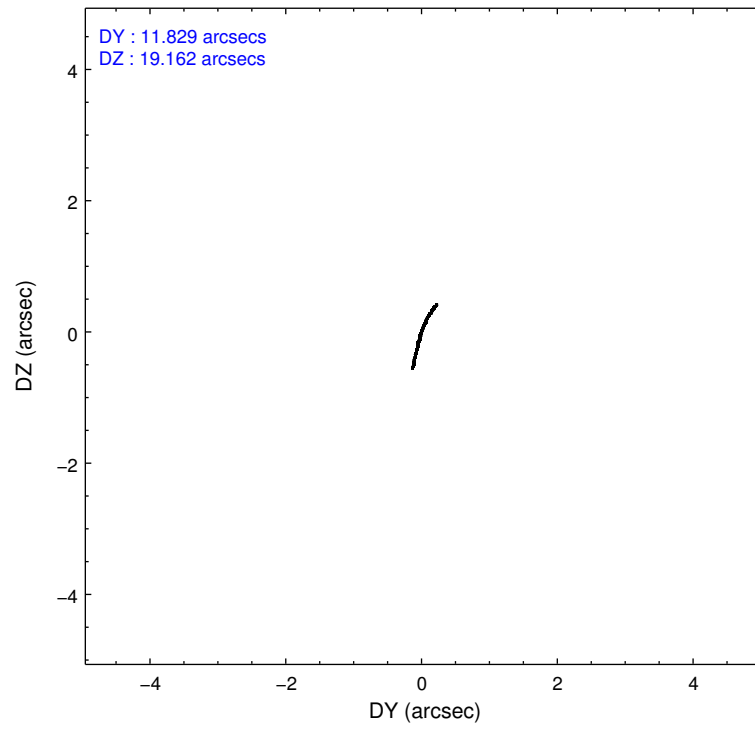
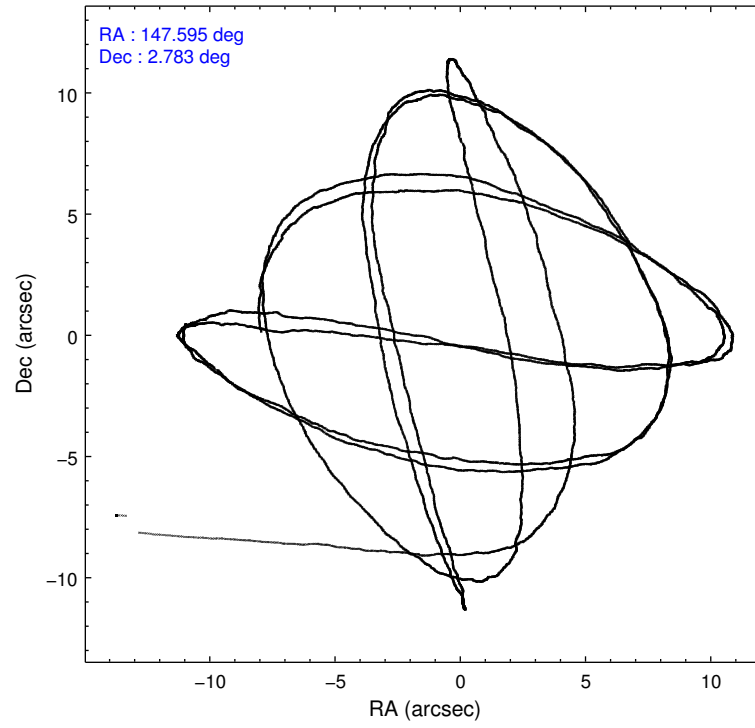
	ccd 6	ccd 7	ccd 8
grade 0 events	1100	1482	3179
	3%	3%	8%
grade 1 events	15	52	39
	0%	0%	0%
grade 2 events	865	3452	2653
	2%	9%	6%
grade 3 events	377	1470	1119
	1%	3%	2%
grade 4 events	367	1366	1047
	1%	3%	2%
grade 5 events	1527	4010	2058
	4%	10%	5%
grade 6 events	778	8991	2961
	2%	23%	7%
grade 7 events	25910	17503	25578
	83%	45%	66%

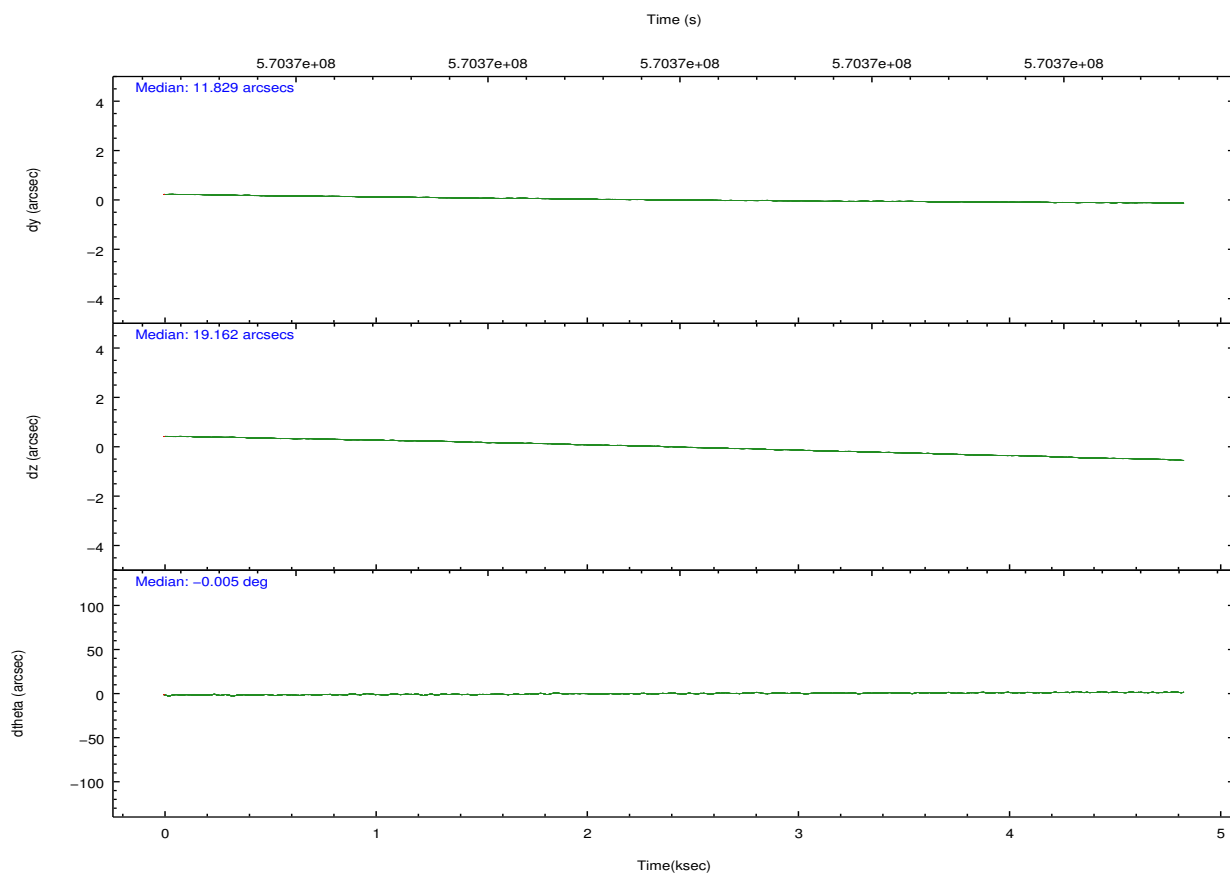
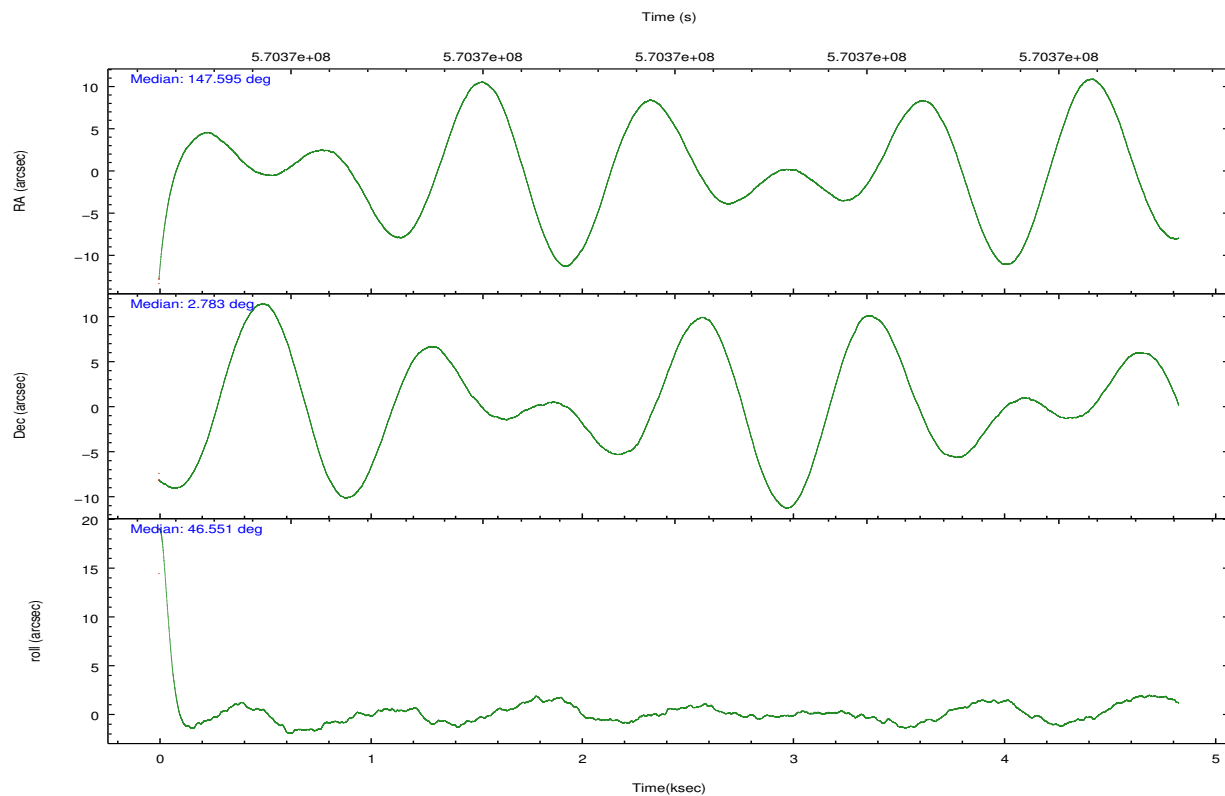
2.2 Compared Parameters

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	147.589010	147.5950620680314
[deg] Pointing Dec	2.756016	2.782852262332835
[deg] Pointing Roll	46.398747	46.5551310958009
[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)	570365693.184000	570364384.69946
Observation start date	2016-01-28T10:53:45	2016-01-28T10:33:04
[s] Observation end time (MET)	570370393.184000	570370743.7998199
Observation end date	2016-01-28T12:12:05	2016-01-28T12:19:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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



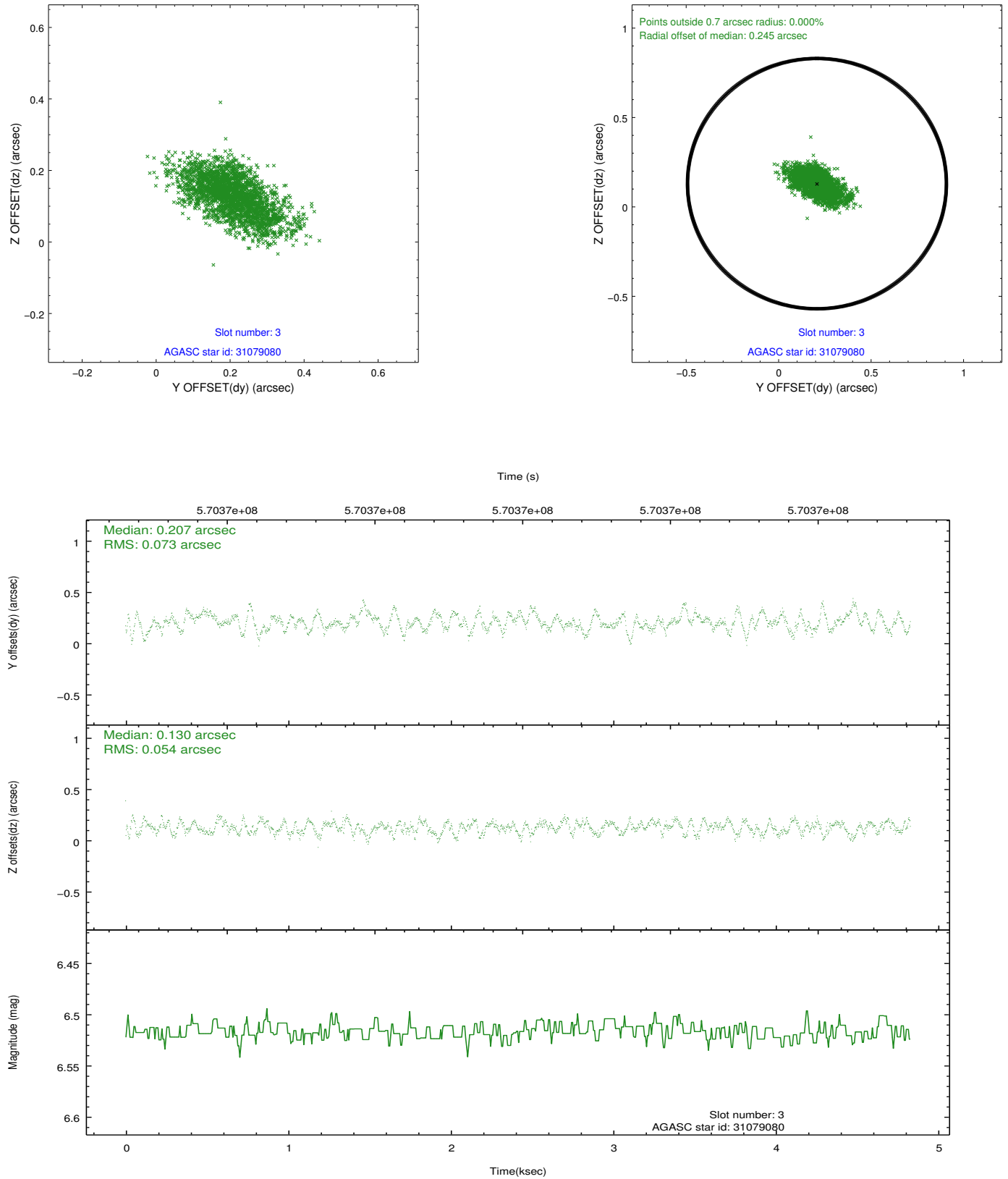


Slot Statistics

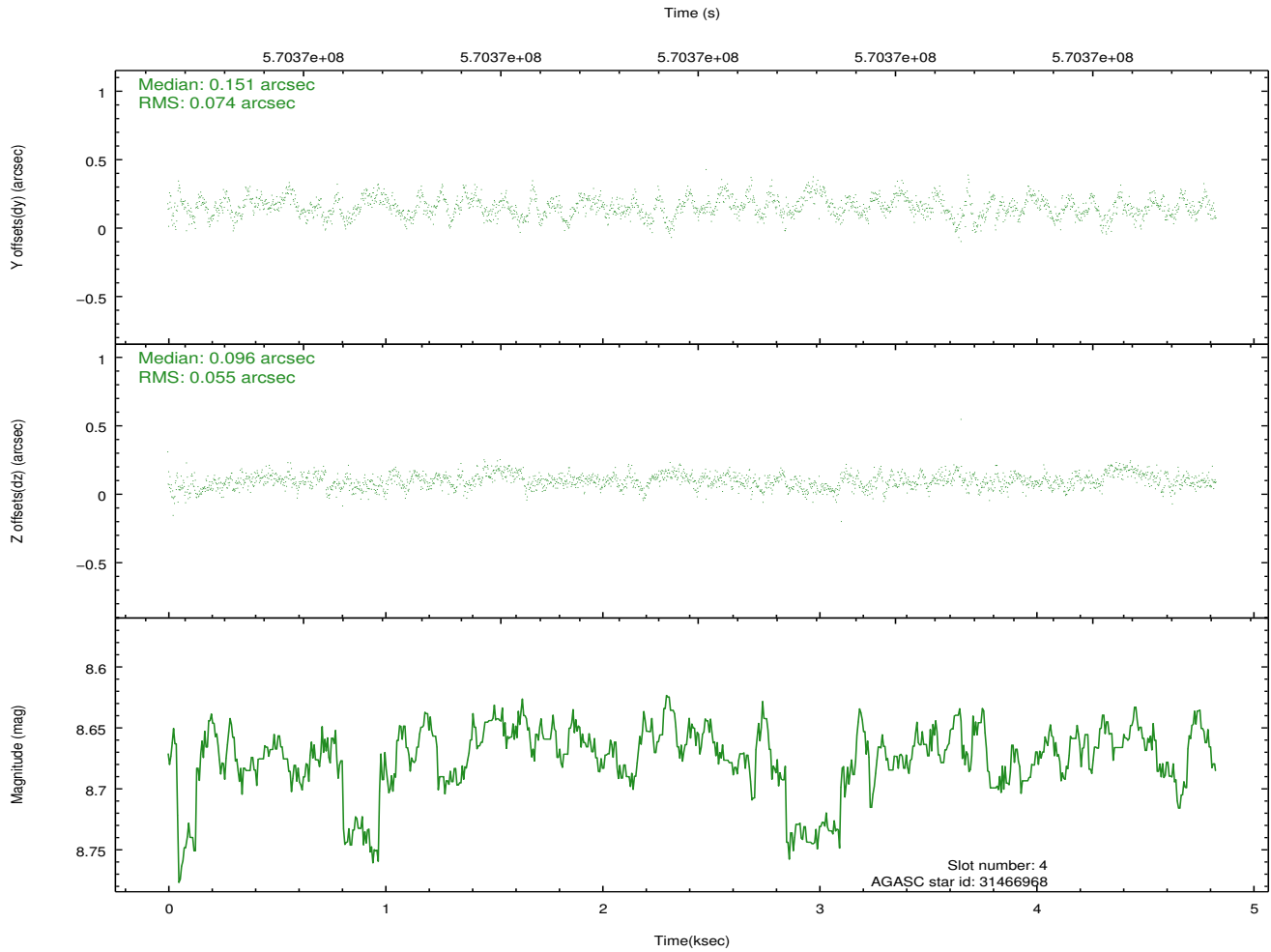
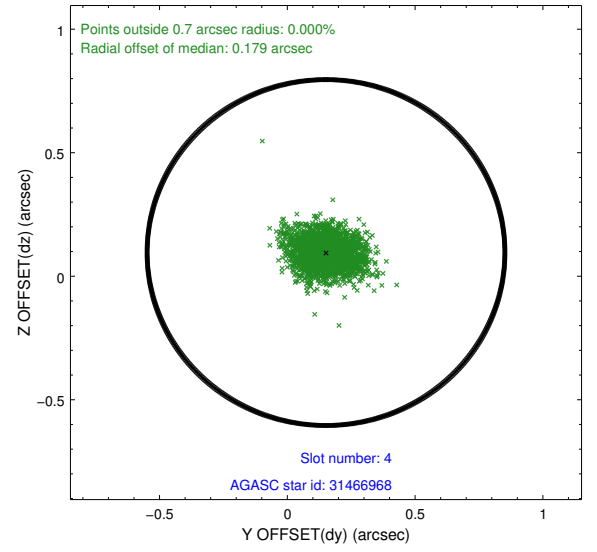
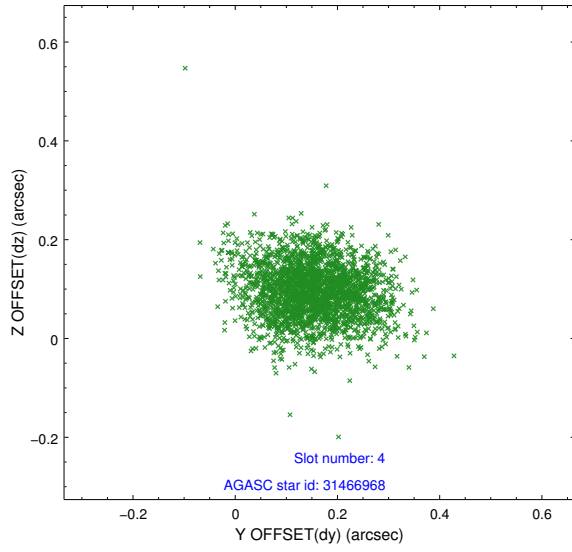
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	1179	-0.120	-0.072	0.014	0.021	0.000000	0.000000	-764.83	-1740.71
1	FID		ACIS-S-4	7.21	1179	0.318	0.077	0.007	0.013	0.000000	0.000000	2148.28	166.64
2	FID		ACIS-S-5	7.23	1179	-0.230	0.003	0.013	0.020	0.000000	0.000000	-1816.18	161.63
3	GUIDE	used	31079080	6.52	2357	0.207	0.130	0.094	0.164	148.050683	2.454128	357.97	-1948.48
4	GUIDE	used	31466968	8.67	2354	0.151	0.096	0.096	0.158	148.213981	2.961625	2086.55	-1116.78
5	GUIDE	used	31470952	8.09	2357	-0.219	-0.227	0.078	0.123	147.660332	3.341469	1703.80	1267.43
6	GUIDE	used	31473872	7.97	2356	-0.271	-0.262	0.080	0.133	147.870166	3.368450	2294.13	789.25
7	GUIDE	used	31073256	7.86	2356	0.121	0.267	0.092	0.140	147.629061	1.827576	-2320.06	-2409.05

2.4 Star Slots

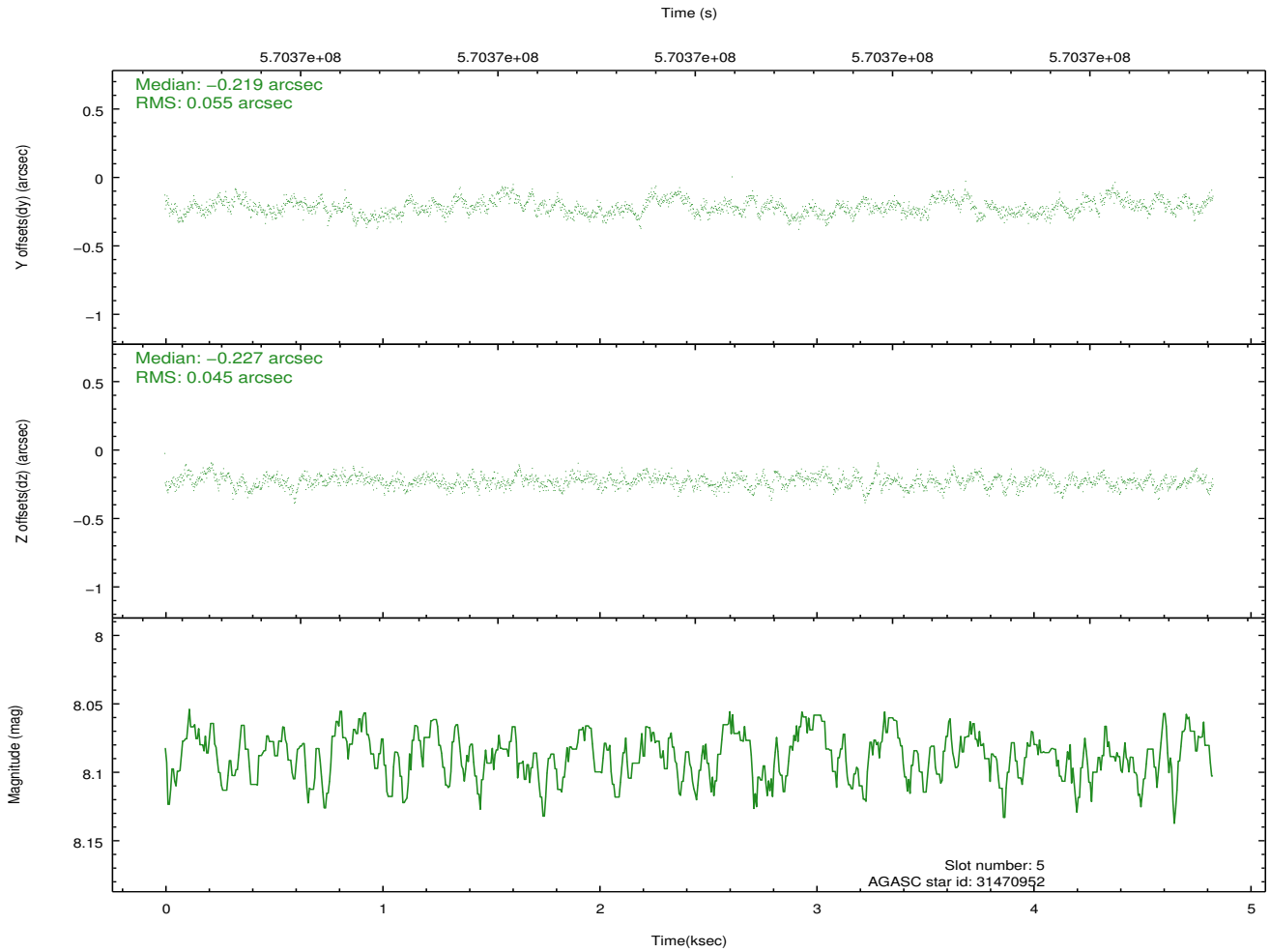
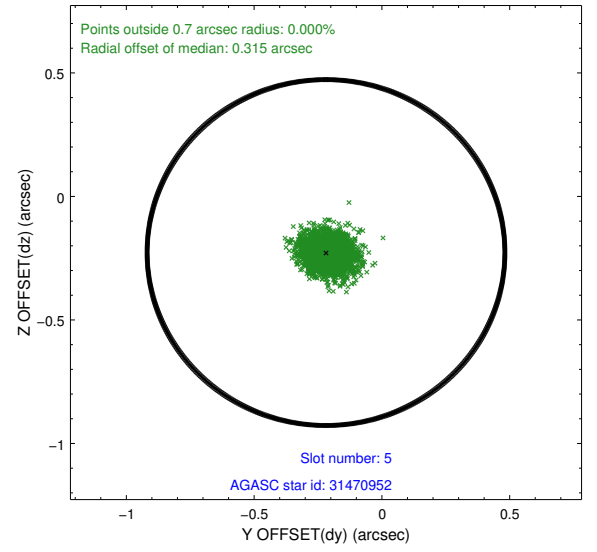
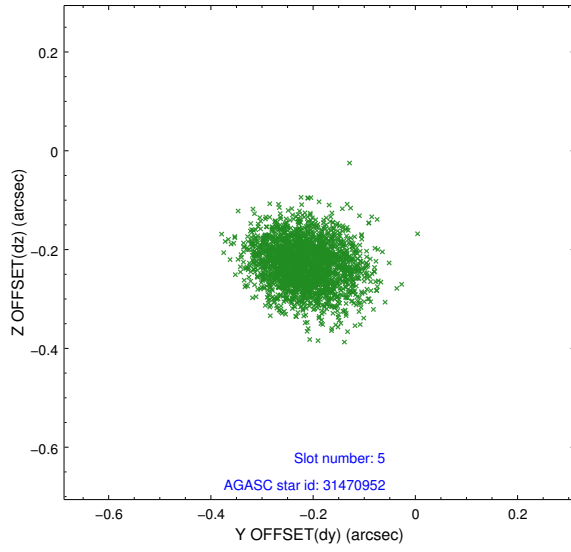
2.4.1 Slot 3



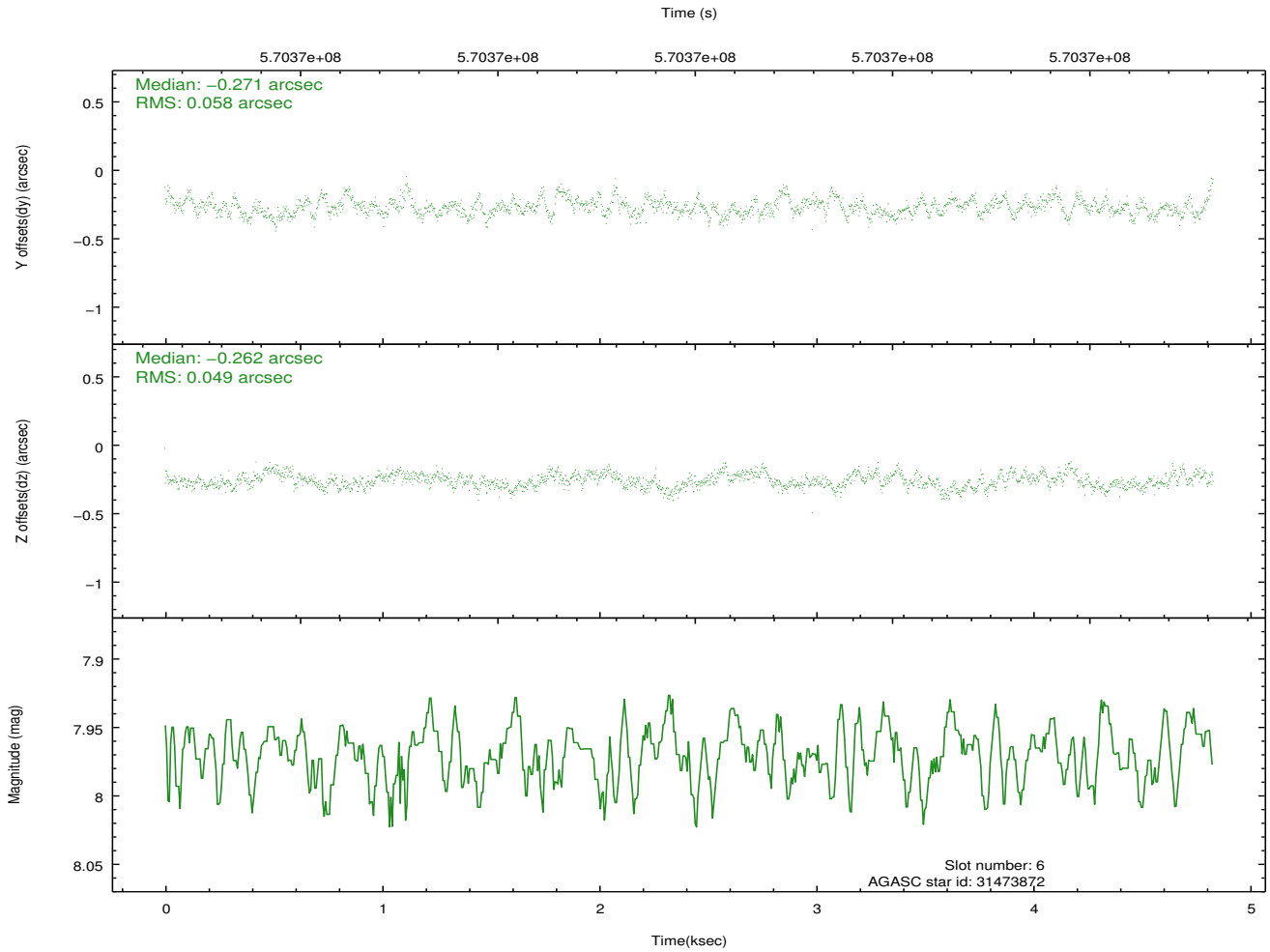
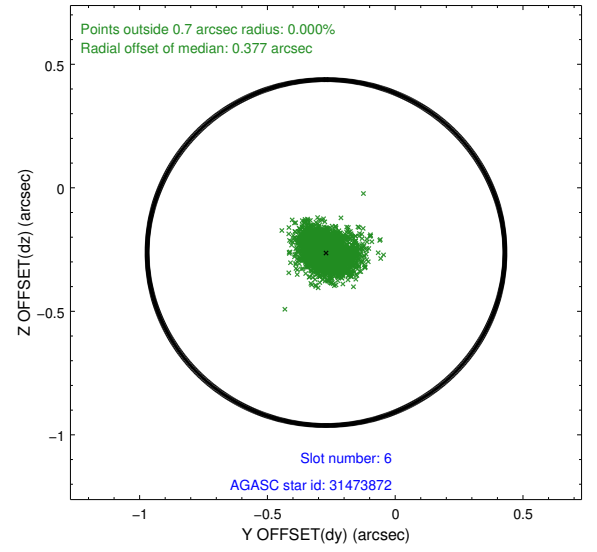
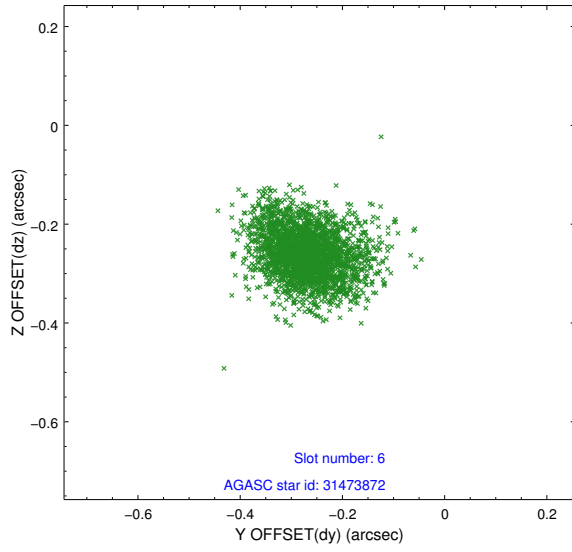
2.4.2 Slot 4



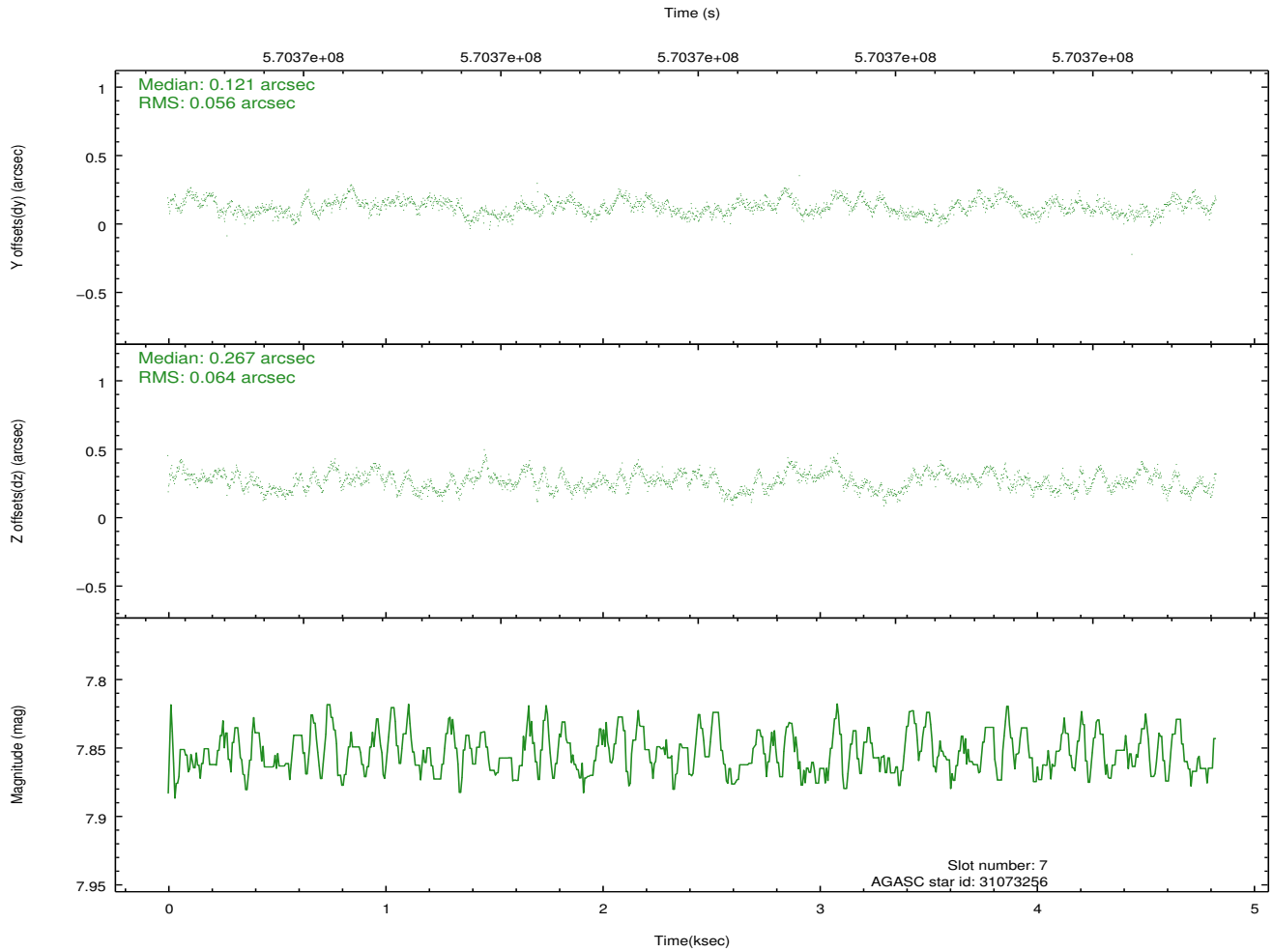
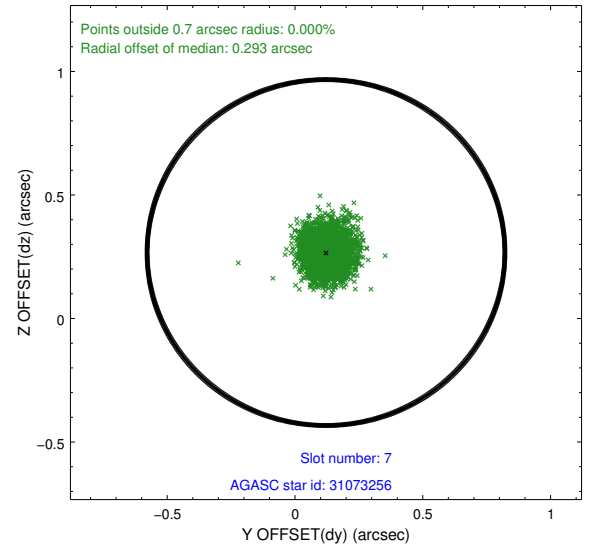
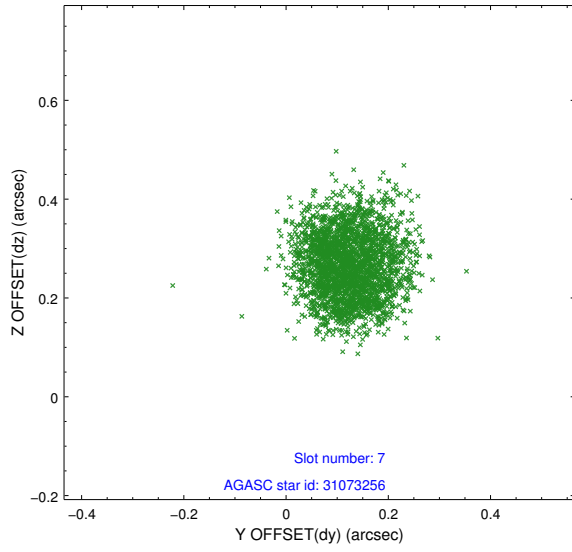
2.4.3 Slot 5



2.4.4 Slot 6

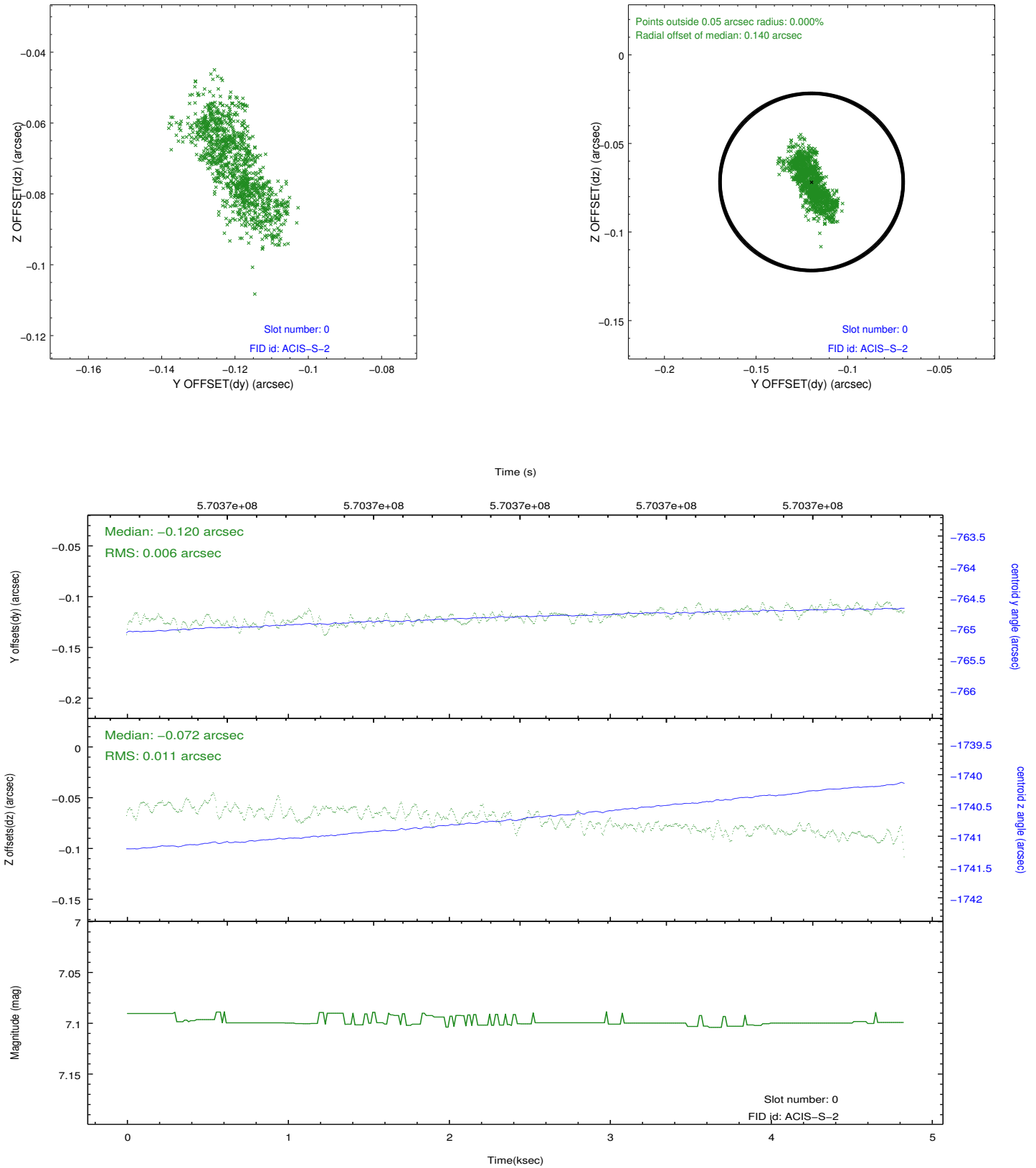


2.4.5 Slot 7

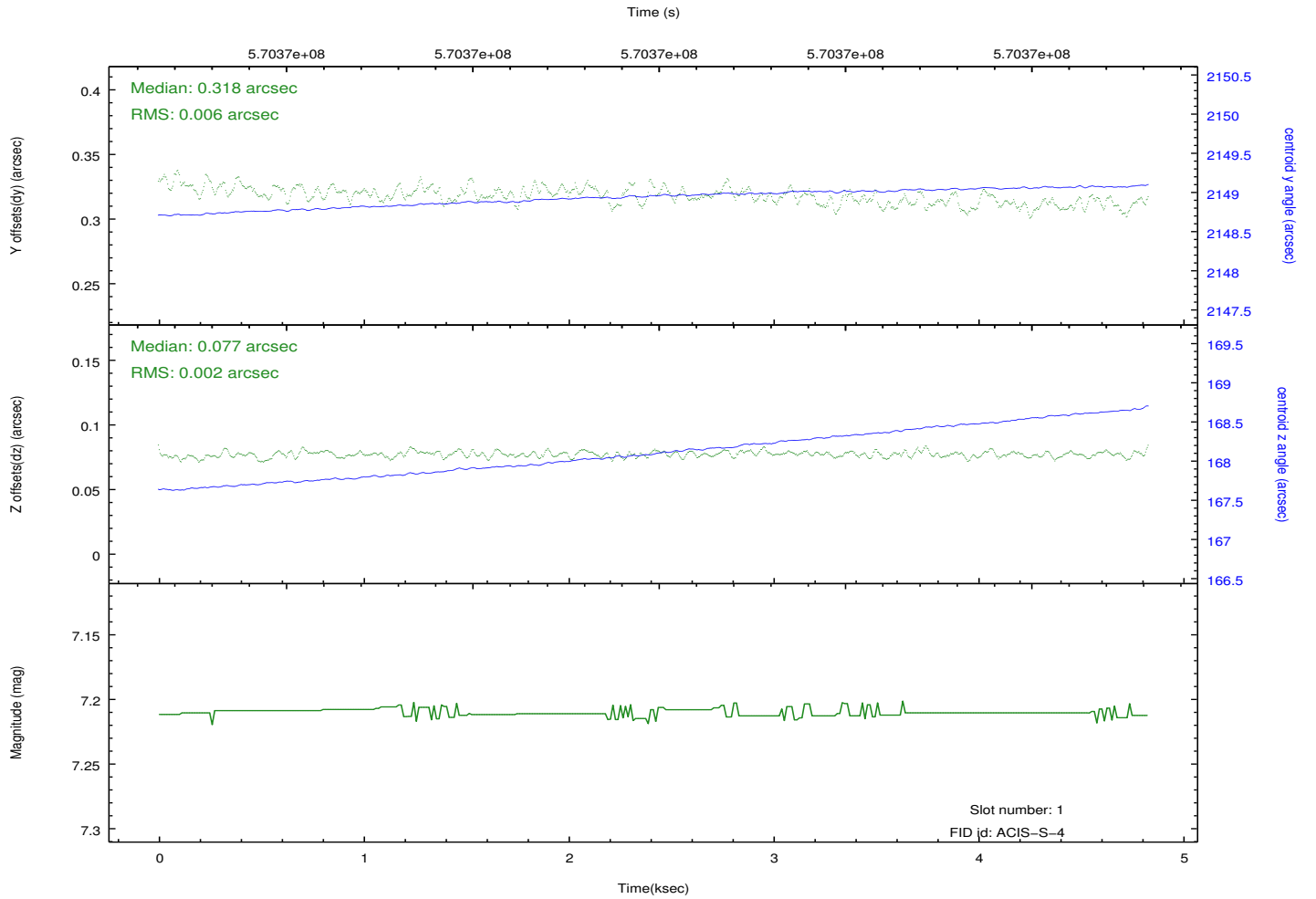
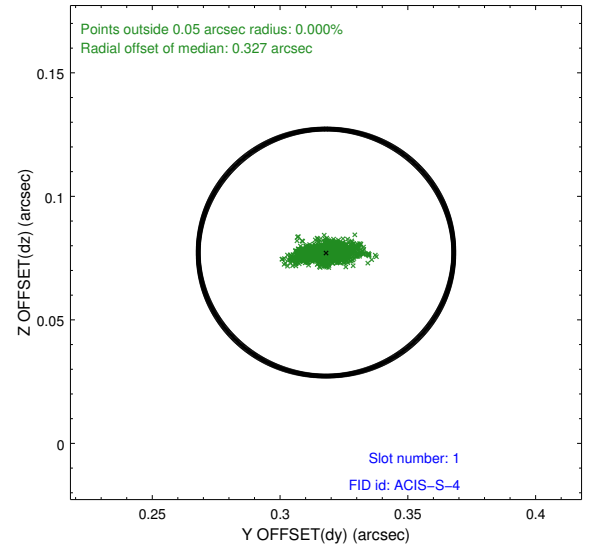
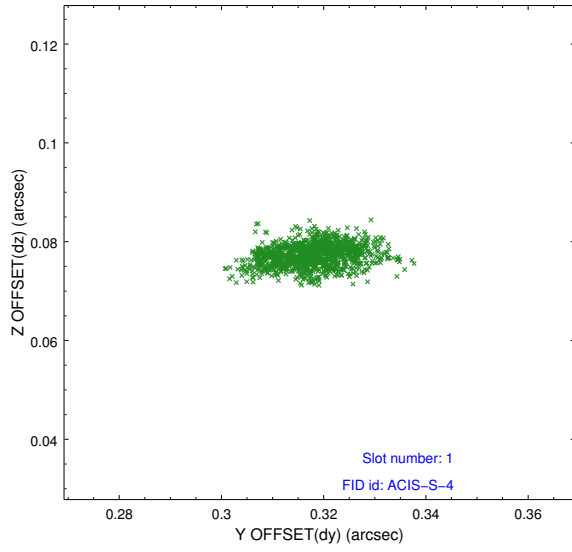


2.5 FID Slots

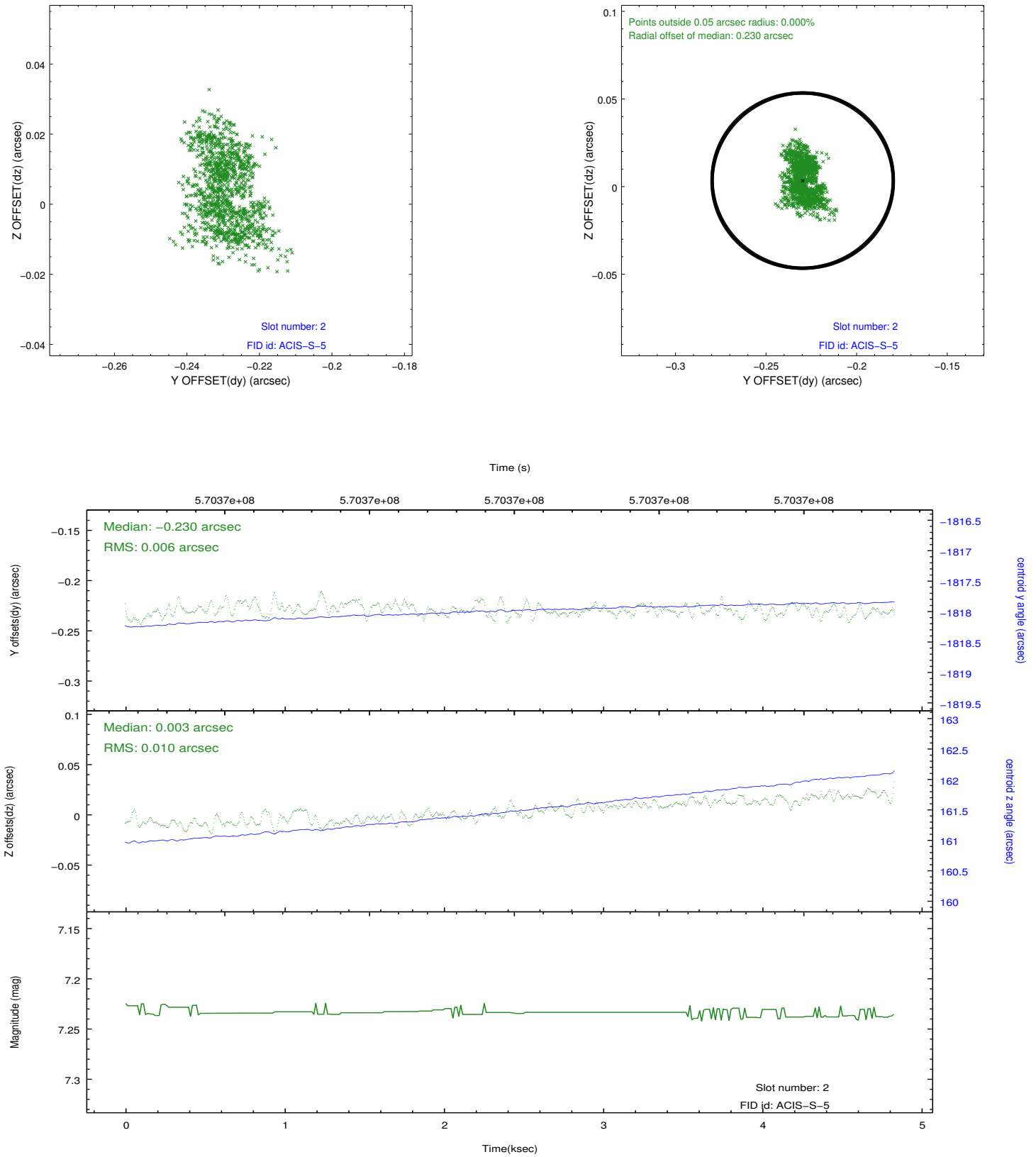
2.5.1 Slot 0



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)	2016.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8143000371456

A.2 Comments