

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22528 - L2 Version 1
Chandra X-Ray Center

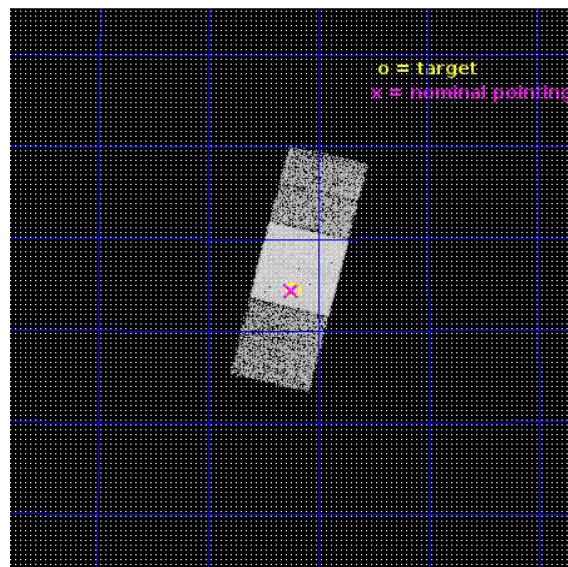
L2 Processing Date : Sep 12 2019

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1 Front

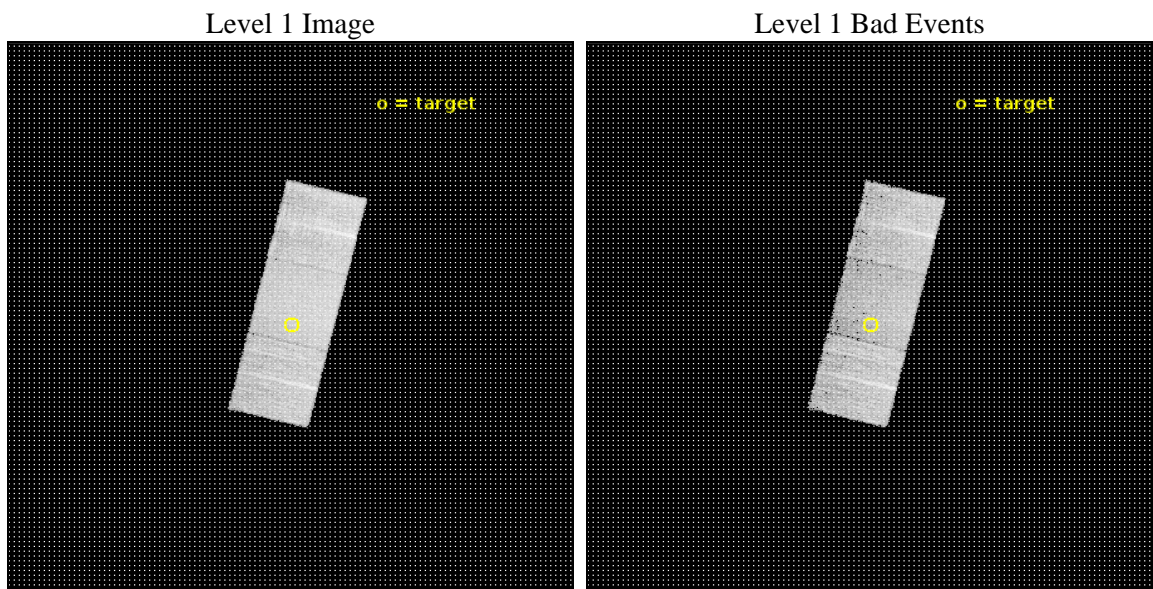
seq_num	703916	Sequence number
obs_id	22528	Observation id
title	Revealing the Full Range of X-ray Properties of Weak-Line Quasars	
observer	William Brandt	Principal investigator
object	SDSS J1539+3954	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	234.806125	Observer's specified target RA [deg]
dec_targ	39.9065	Observer's specified target Dec [deg]
ra_nom	234.81056479831	Nominal RA [deg]
dec_nom	39.906061536606	Nominal Dec [deg]
roll_nom	283.88163894644	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7409.0000571012	Sum of GTIs [s]
livetime	7312.1960169287	Livetime [s]
ontime6	7409.0000571012	Sum of GTIs [s]
ontime7	7409.0000571012	Sum of GTIs [s]
ontime8	7409.0000571012	Sum of GTIs [s]
l2events	42101	Number of level 2 events



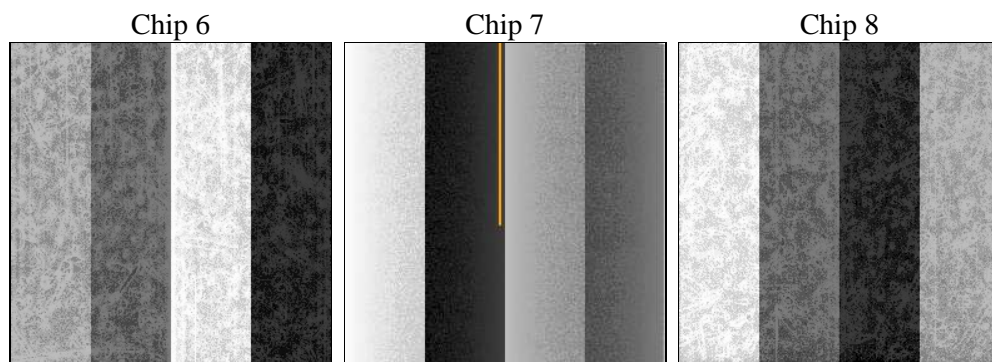
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7300.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	7409.0000571012	Sum of GTIs [s]
caldsver	4.8.4.1	 	ontime6	7409.0000571012	Sum of GTIs [s]
date	2019-09-13T01:12:58	Date and time of file creation	ontime7	7409.0000571012	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	7409.0000571012	Sum of GTIs [s]
			l1events	208230	Number of level 1 events

2.1.4 Events

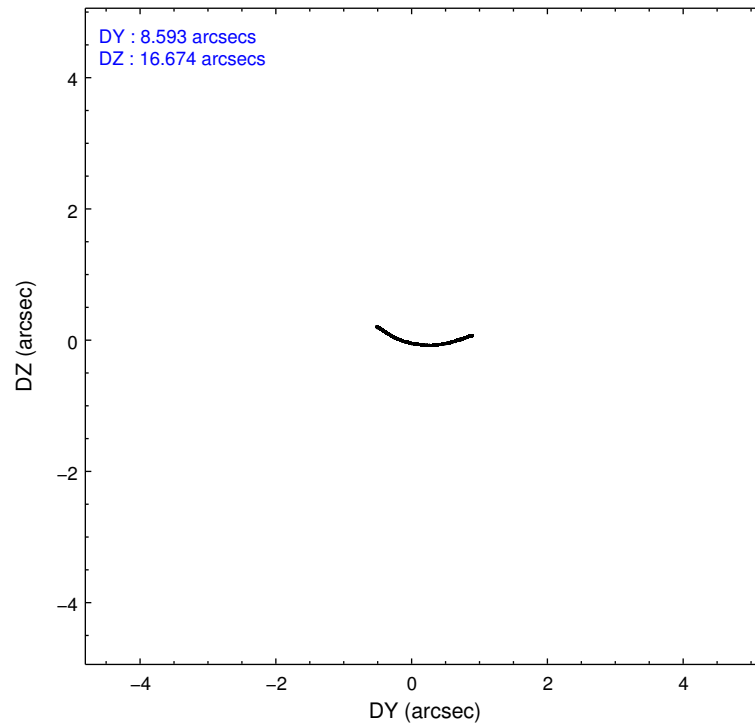
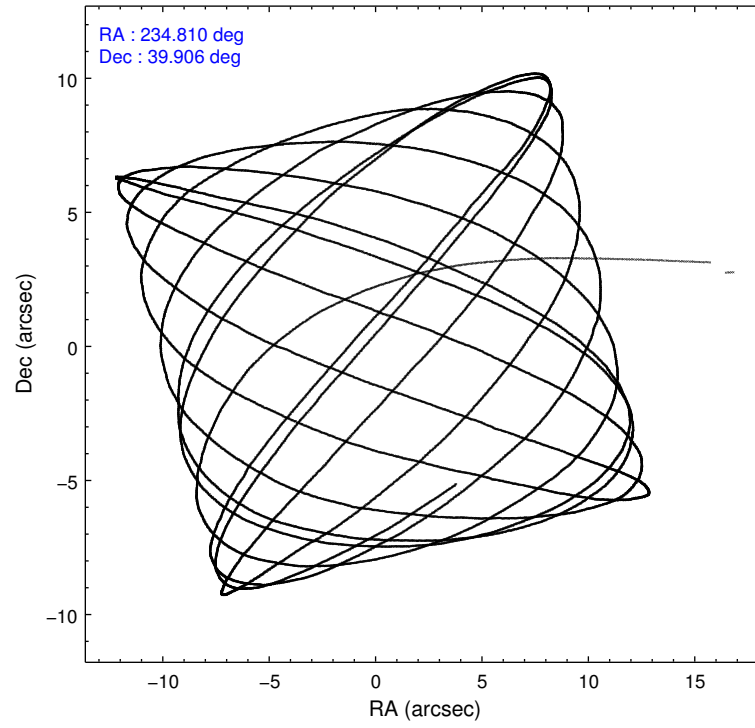
	ccd 6	ccd 7	ccd 8
level 1 events	60806	72243	75181
rejected events	54412	41340	56946
rejected %	89%	57%	75%

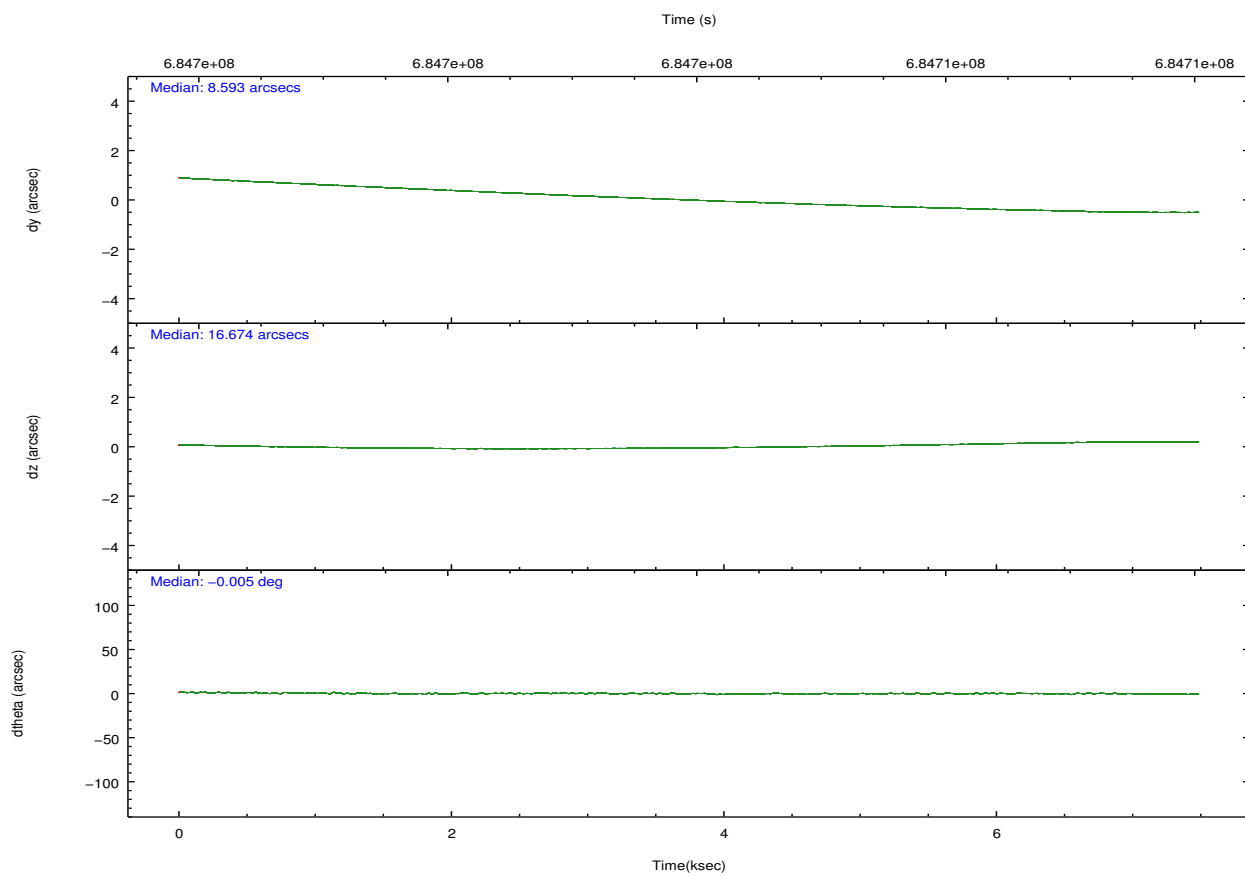
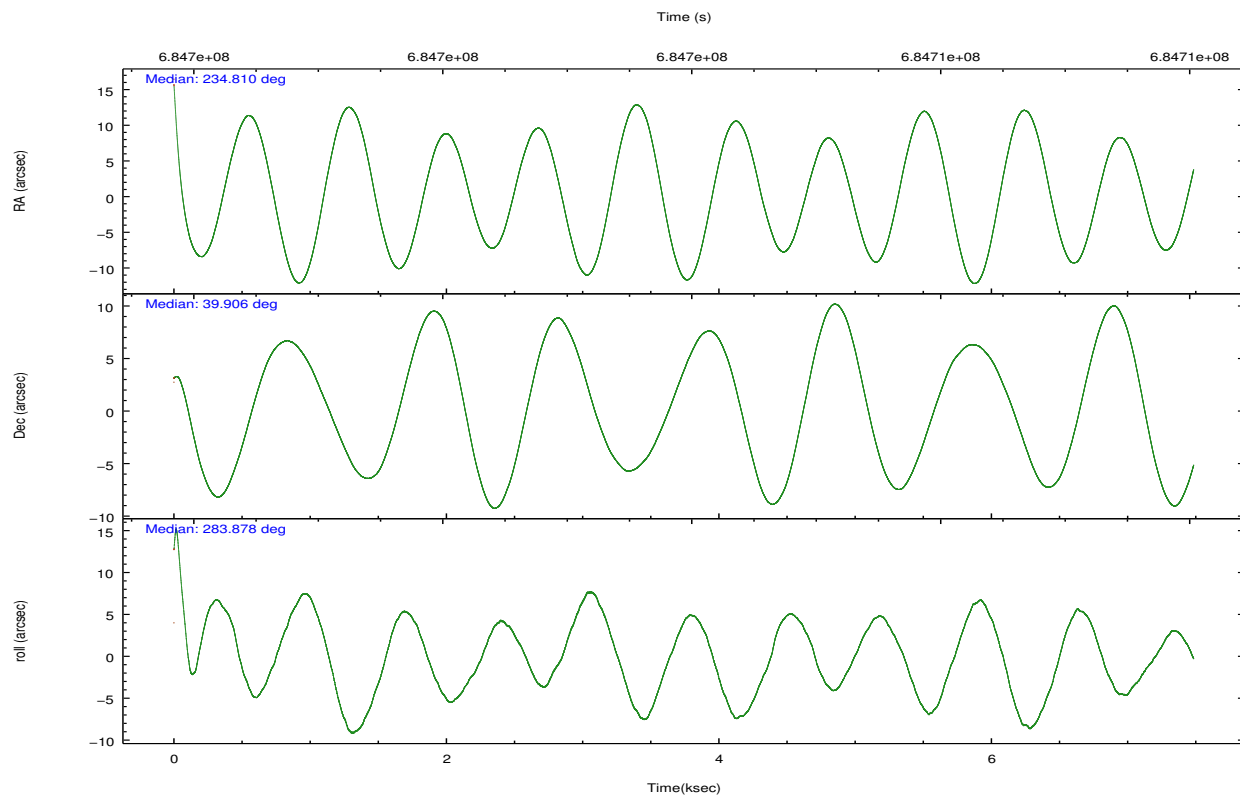
	ccd 6	ccd 7	ccd 8
grade 0 events	1612	2577	4900
	2%	3%	6%
grade 1 events	21	111	56
	0%	0%	0%
grade 2 events	1944	6439	4595
	3%	8%	6%
grade 3 events	464	2300	1908
	0%	3%	2%
grade 4 events	453	2303	1688
	0%	3%	2%
grade 5 events	2195	6900	3597
	3%	9%	4%
grade 6 events	1922	17299	5146
	3%	23%	6%
grade 7 events	52195	34314	53291
	85%	47%	70%

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	234.785453	234.810564798307	CCD I2 on	N	N
[deg] Pointing Dec	39.925669	39.90606153660585	CCD I3 on	N	N
[deg] Pointing Roll	283.741088	283.8816389464401	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	684700388.184000	684699131.1061	CCD S5 on	N	N
Observation start date	2019-09-12T18:31:59	2019-09-12T18:12:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	684707688.184000	684709049.51919	On-chip summing requested	N	N
Observation end date	2019-09-12T20:33:39	2019-09-12T20:57:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



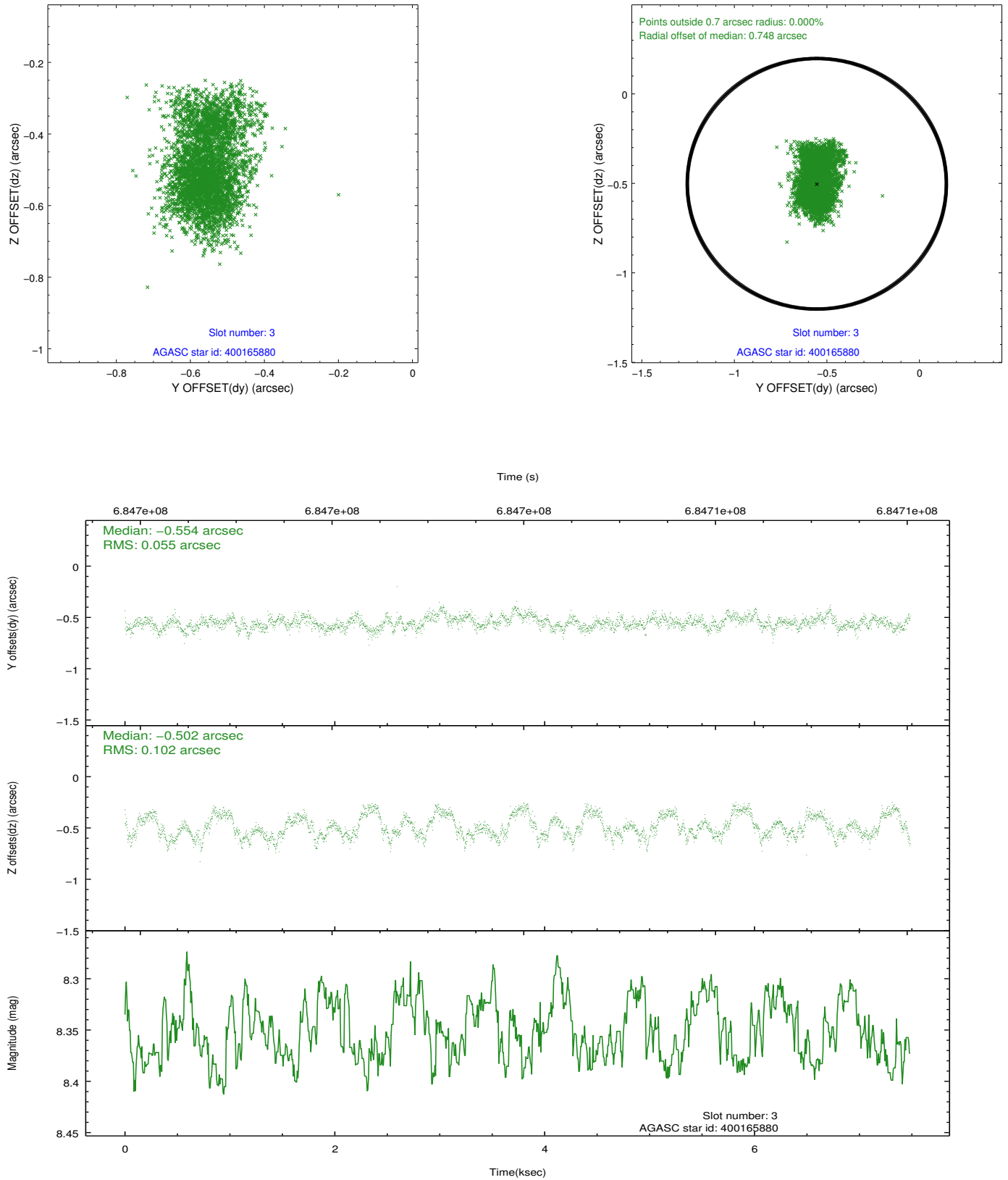


Slot Statistics

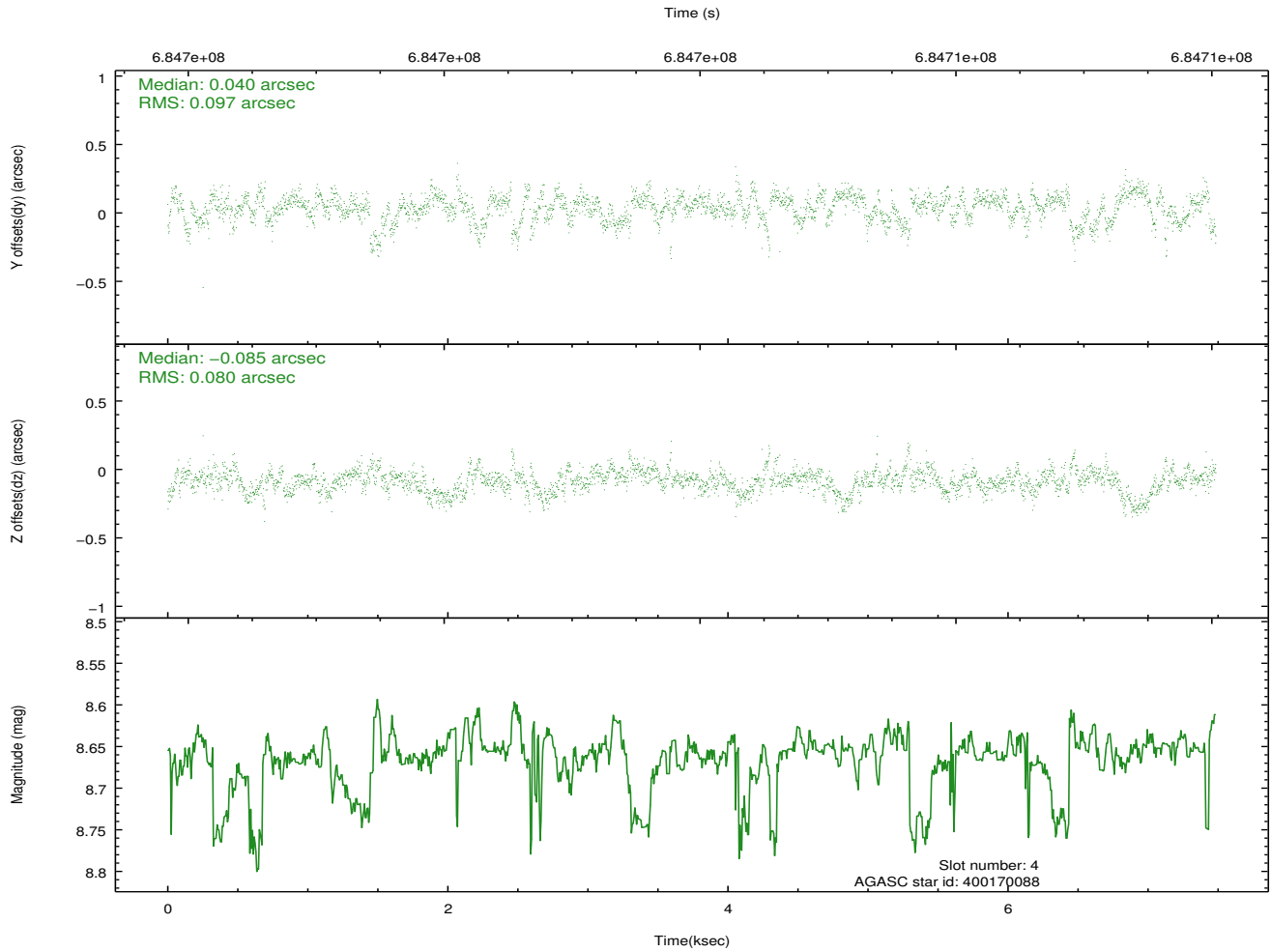
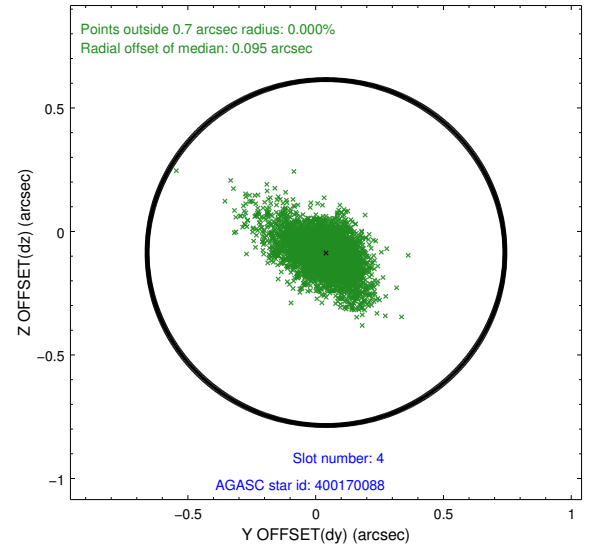
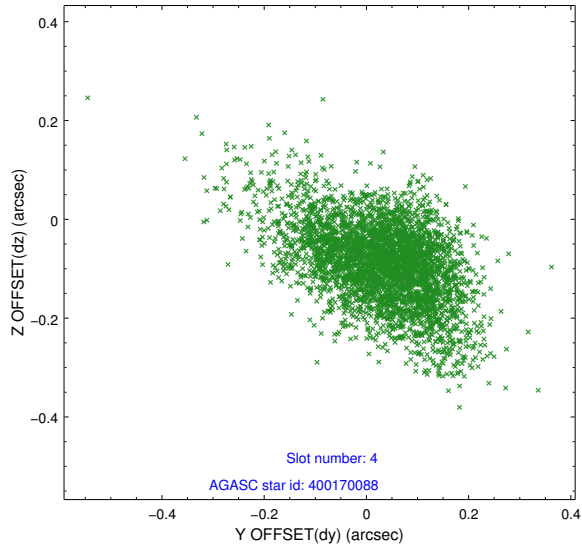
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.15	1826	1.000	-0.254	-0.152	0.013	0.025	0.000000	0.000000	-761.67	-1738
1	FID		ACIS-S-4	7.28	1826	1.000	0.642	0.163	0.030	0.051	0.000000	0.000000	2152.13	169
2	FID		ACIS-S-5	7.24	1826	1.000	-0.420	-0.003	0.020	0.030	0.000000	0.000000	-1813.73	164
3	GUIDE	used	400165880	8.35	3647	1.000	-0.554	-0.502	0.124	0.205	235.659708	39.516776	1994.49	2011
4	GUIDE	used	400170088	8.66	3648	1.000	0.040	-0.085	0.125	0.231	234.624444	39.216656	2373.16	-1041
5	GUIDE	used	400568536	8.53	3651	1.000	0.093	0.214	0.099	0.165	234.227036	40.311987	-1718.89	-1157
6	GUIDE	used	400570600	8.70	3647	1.000	0.154	0.307	0.120	0.187	234.006352	40.320917	-1897.85	-1737
7	GUIDE	used	400162832	7.55	3651	1.000	0.277	0.066	0.118	0.203	233.985694	39.831118	-207.15	-2234

2.4 Star Slots

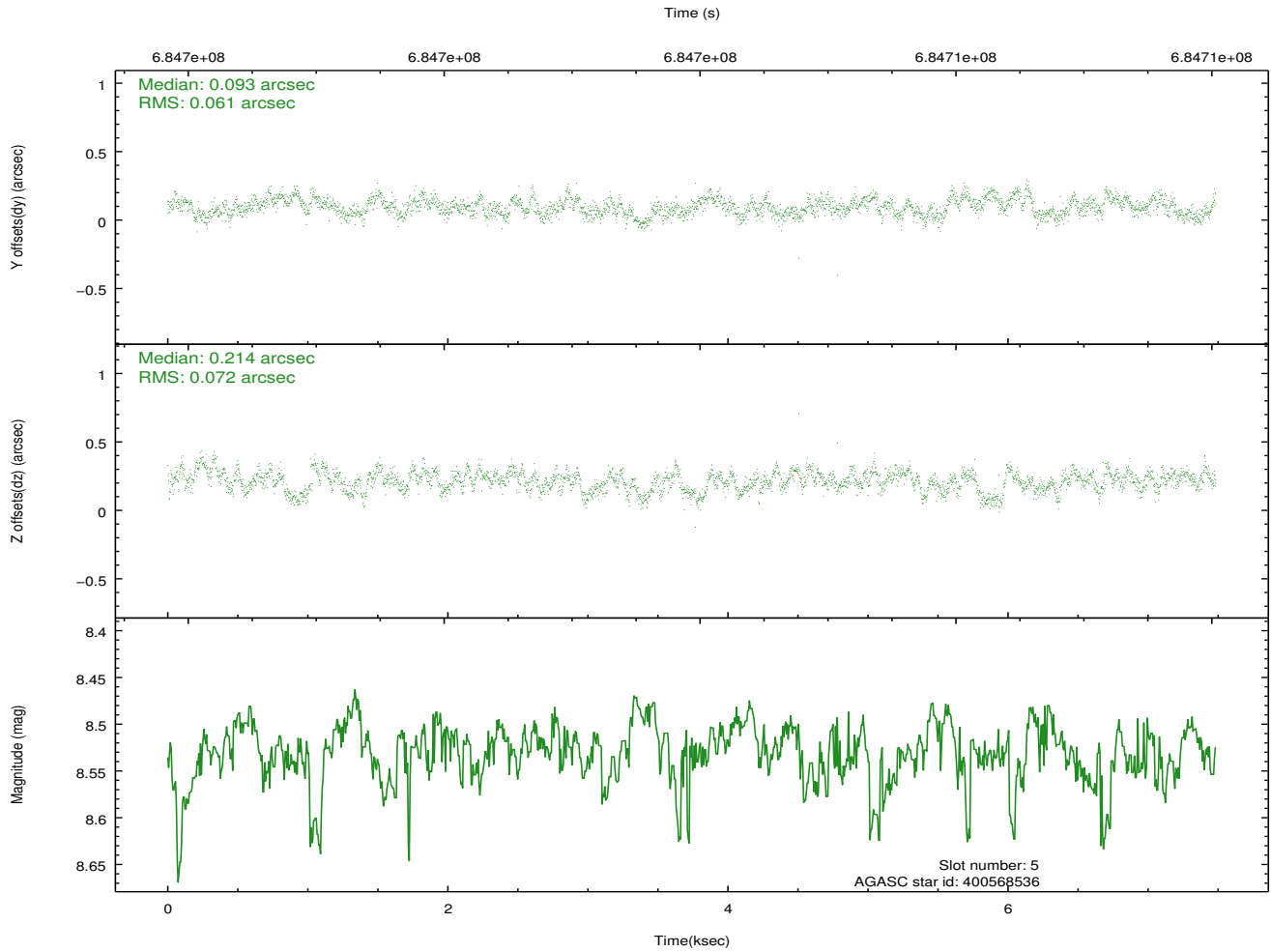
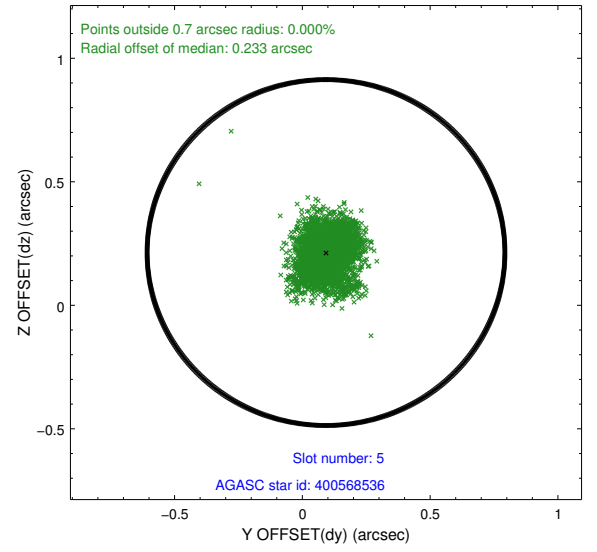
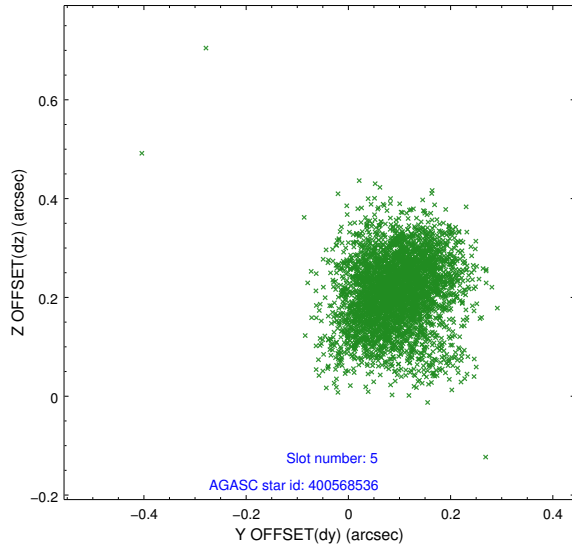
2.4.1 Slot 3



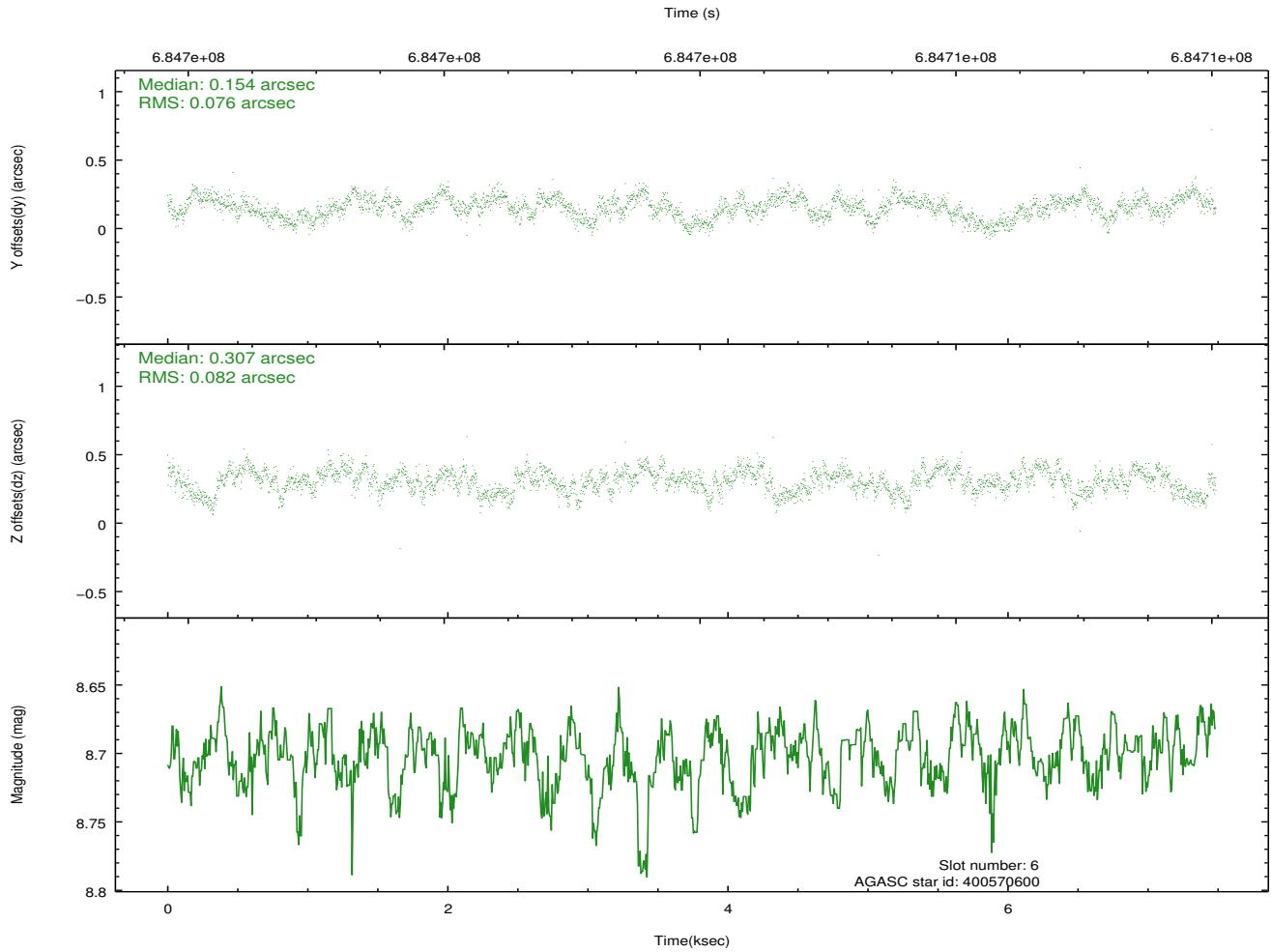
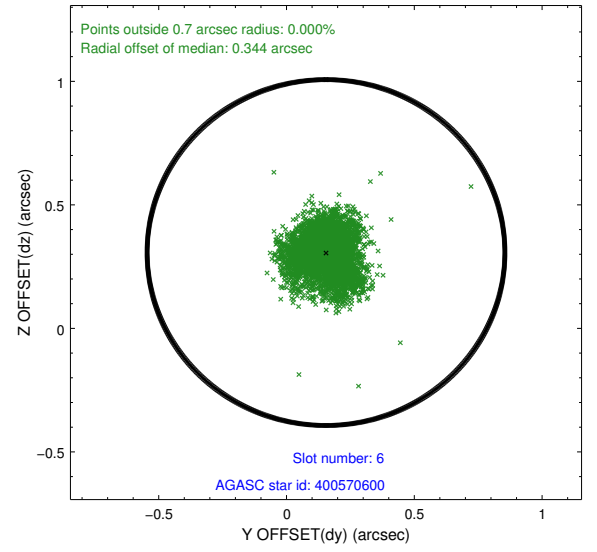
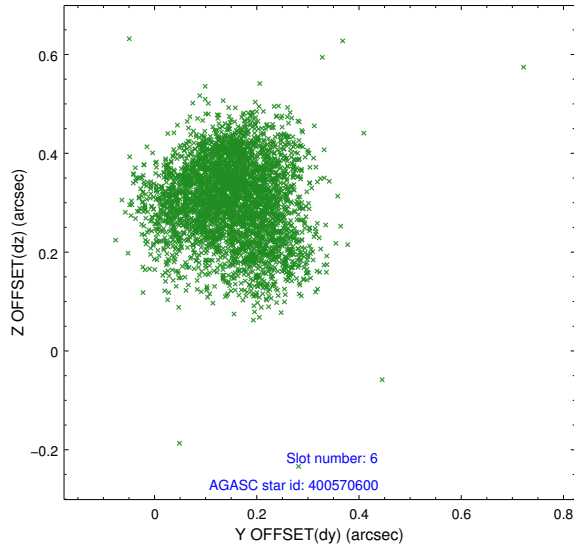
2.4.2 Slot 4



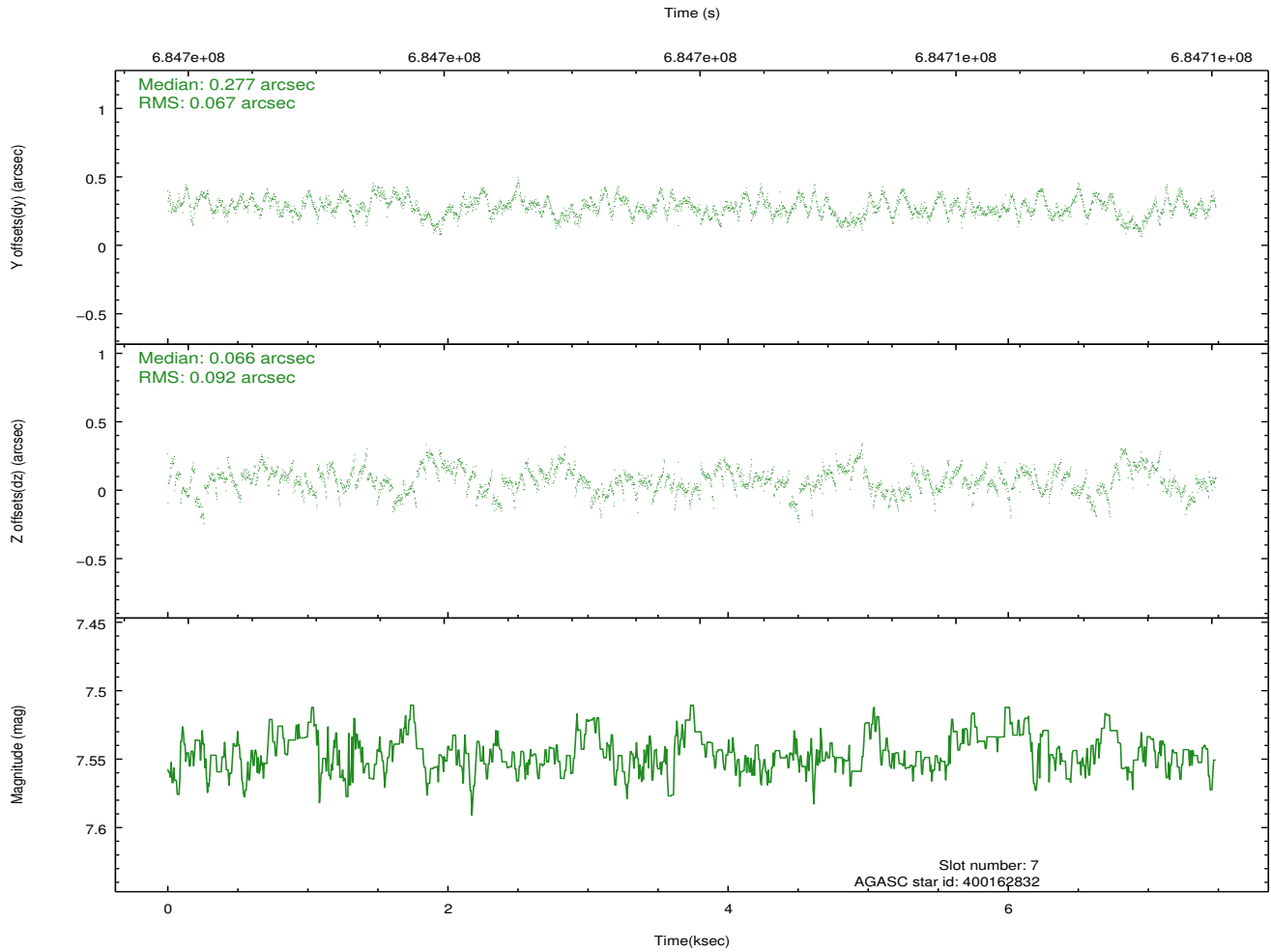
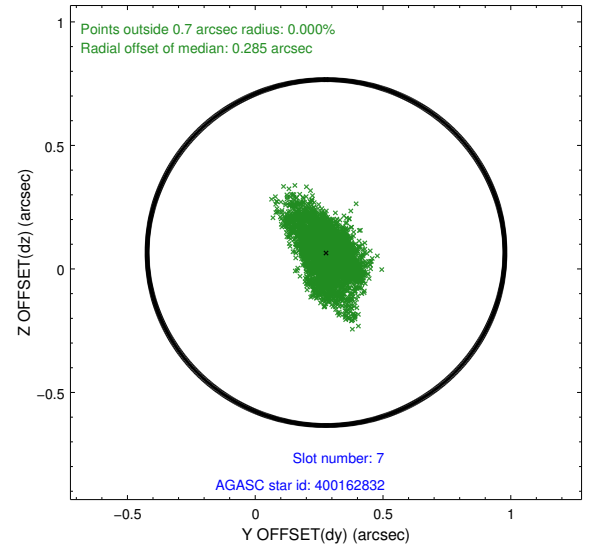
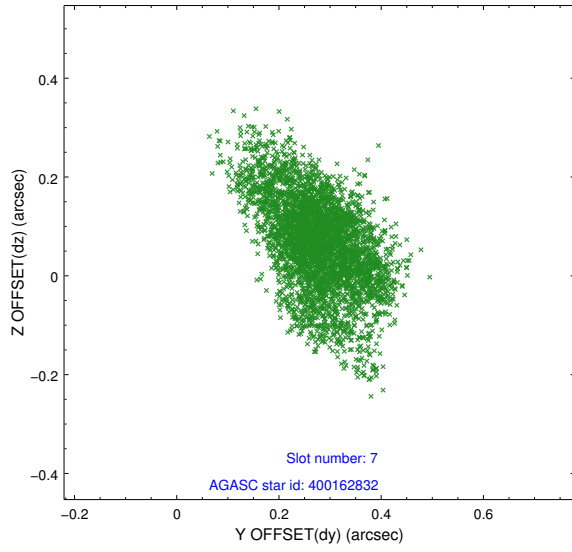
2.4.3 Slot 5



2.4.4 Slot 6

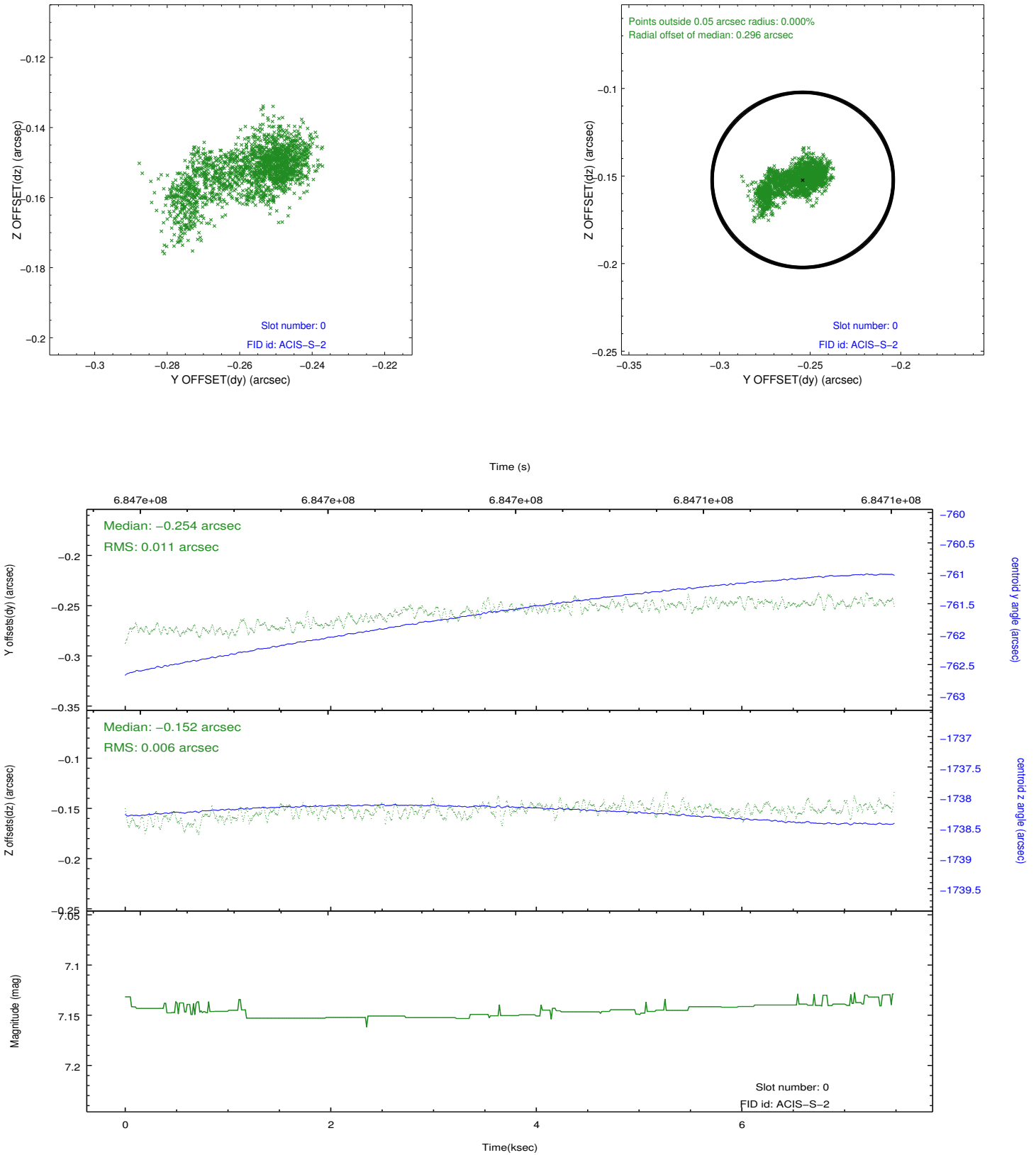


2.4.5 Slot 7

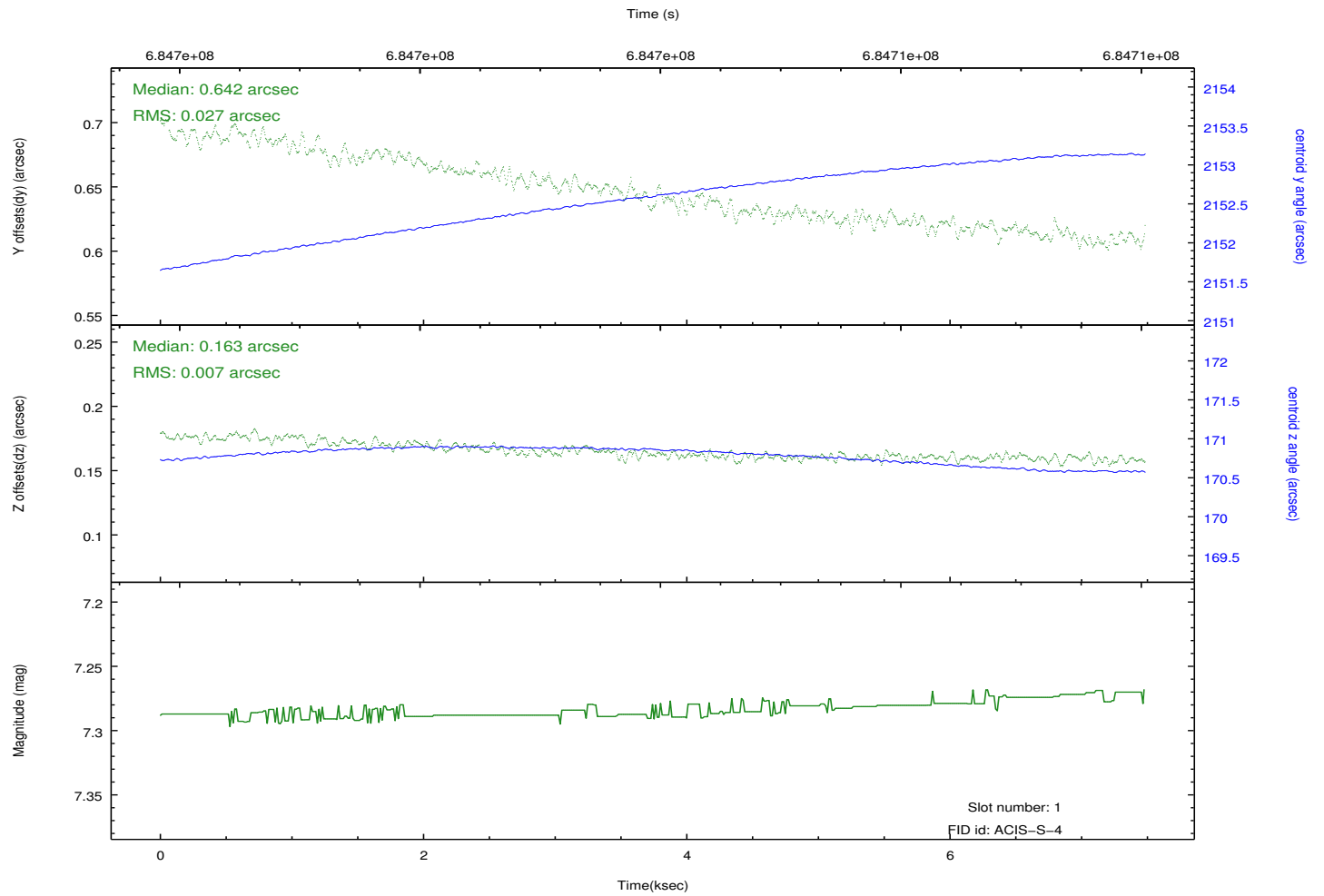
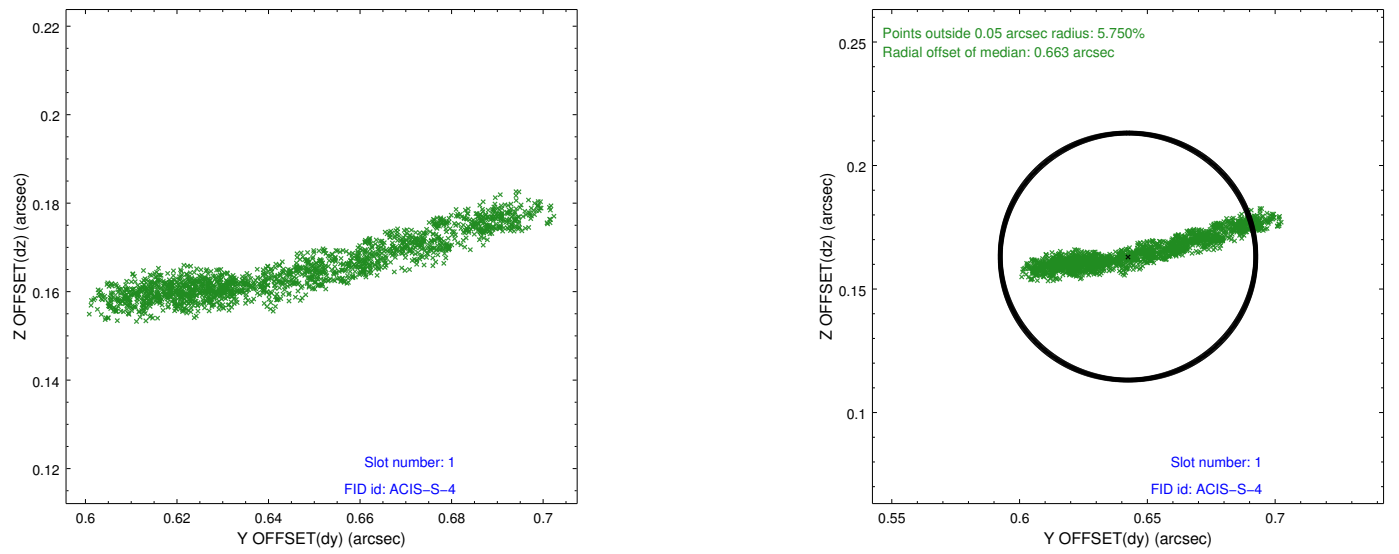


2.5 FID Slots

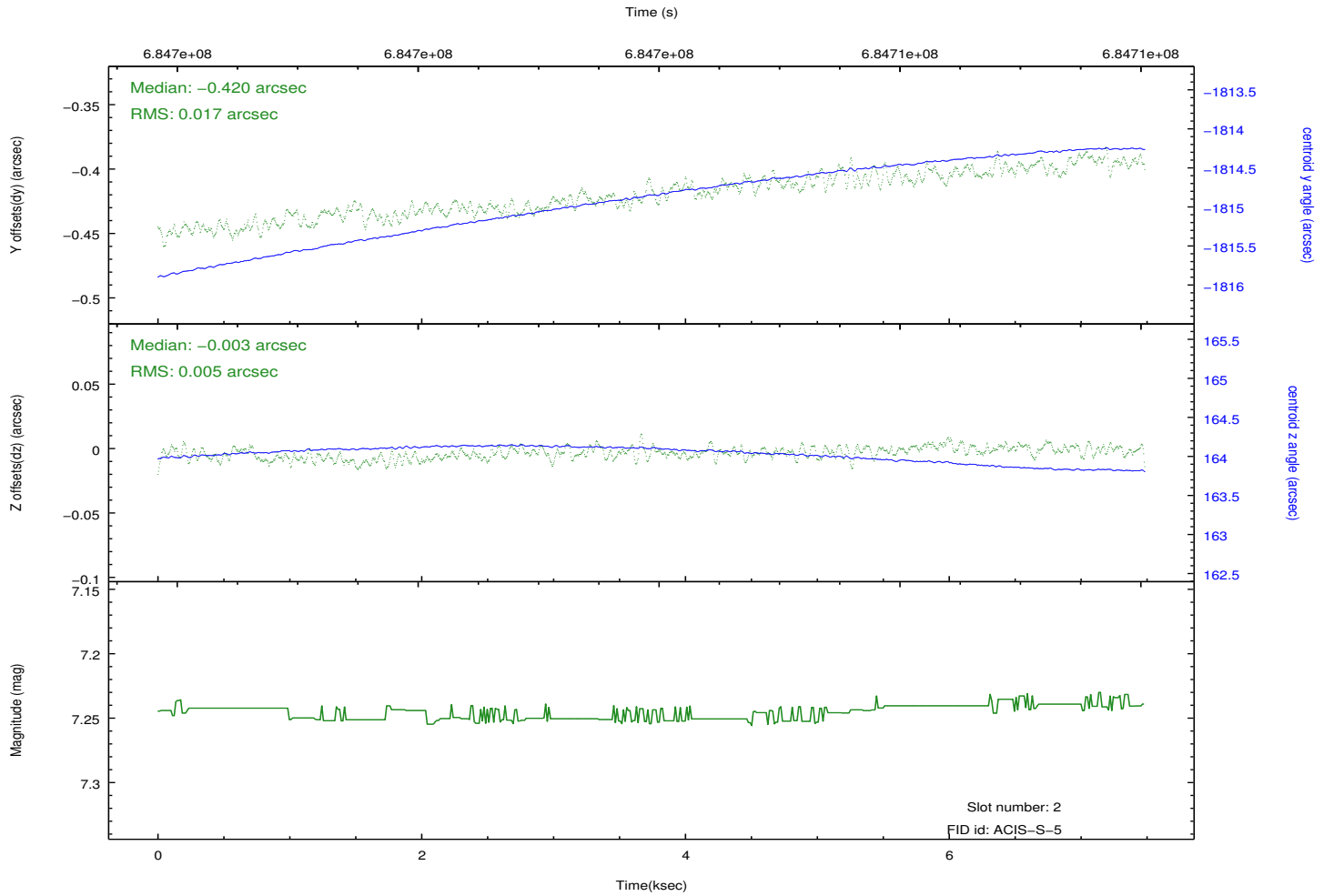
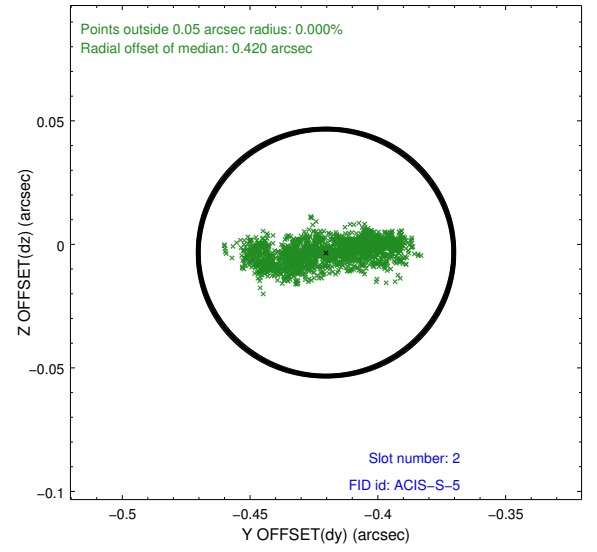
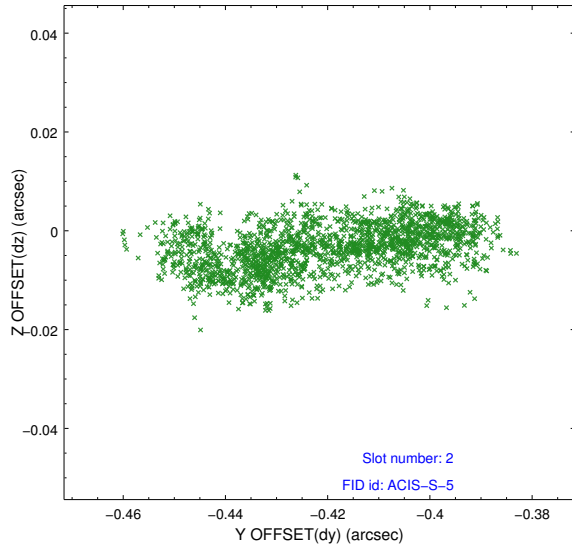
2.5.1 Slot 0



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)	2019.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4090000571012

A.2 Comments