

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13357 - L2 Version 2
Chandra X-Ray Center

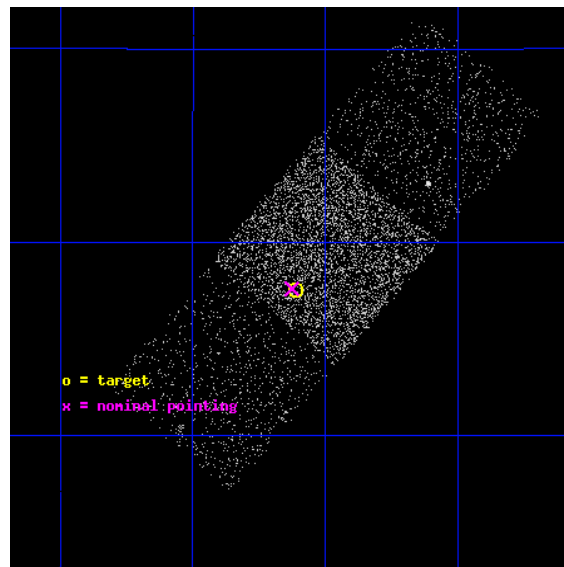
L2 Processing Date : Mar 2 2012

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1 Front

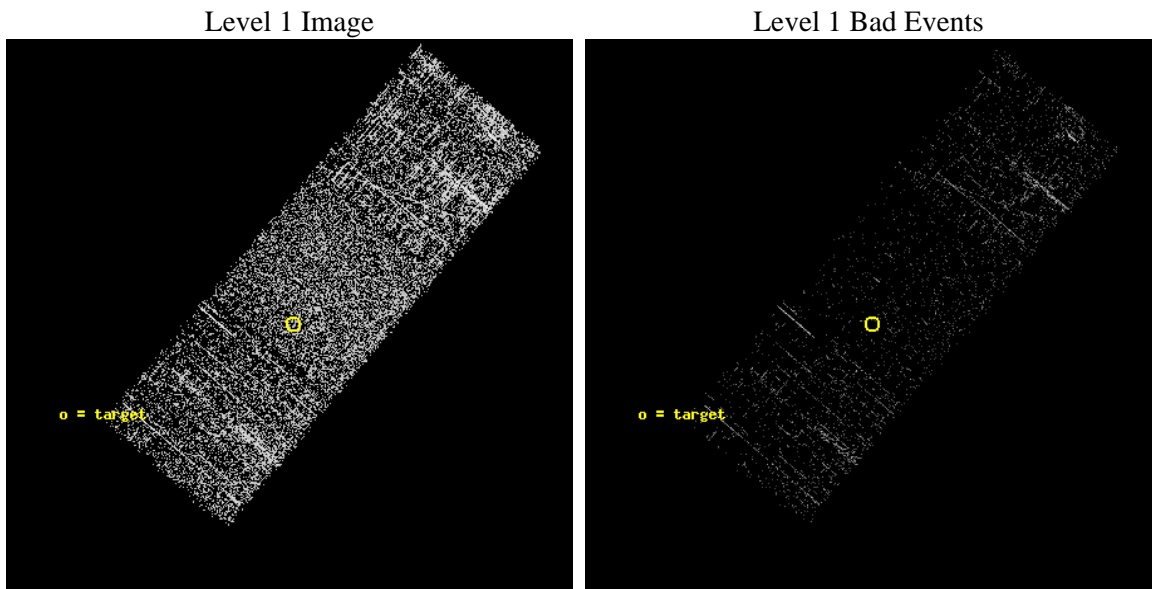
seq_num	702564	Sequence number
obs_id	13357	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1654+2227	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.653333	Observer's specified target RA [deg]
dec_targ	22.459361	Observer's specified target Dec [deg]
ra_nom	253.65654582324	Nominal RA [deg]
dec_nom	22.460076198415	Nominal Dec [deg]
roll_nom	310.25455278541	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1561.9619552493	Sum of GTIs [s]
liveltime	1541.5537724043	Livetime [s]
ontime6	1561.920915246	Sum of GTIs [s]
ontime7	1561.9619552493	Sum of GTIs [s]
ontime8	1561.8798752427	Sum of GTIs [s]
l2events	6386	Number of level 2 events



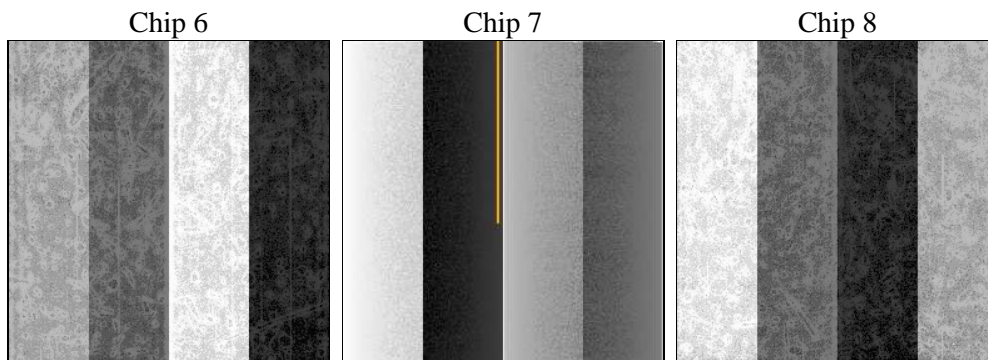
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1561.9619552493	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1561.920915246	Sum of GTIs [s]
date	2012-03-02T14:19:18	Date and time of file creation	ontime7	1561.9619552493	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1561.8798752427	Sum of GTIs [s]
			l1events	29798	Number of level 1 events

2.1.4 Events

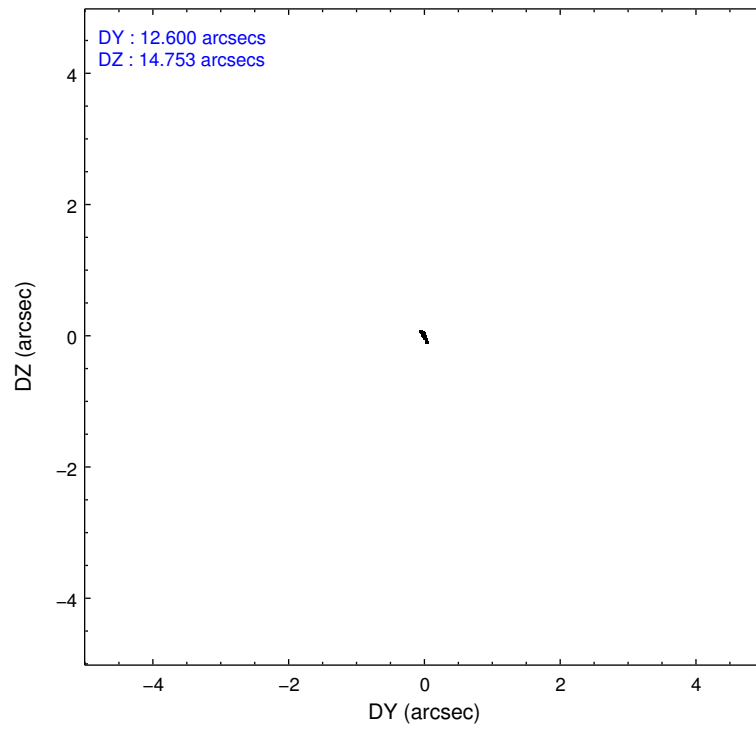
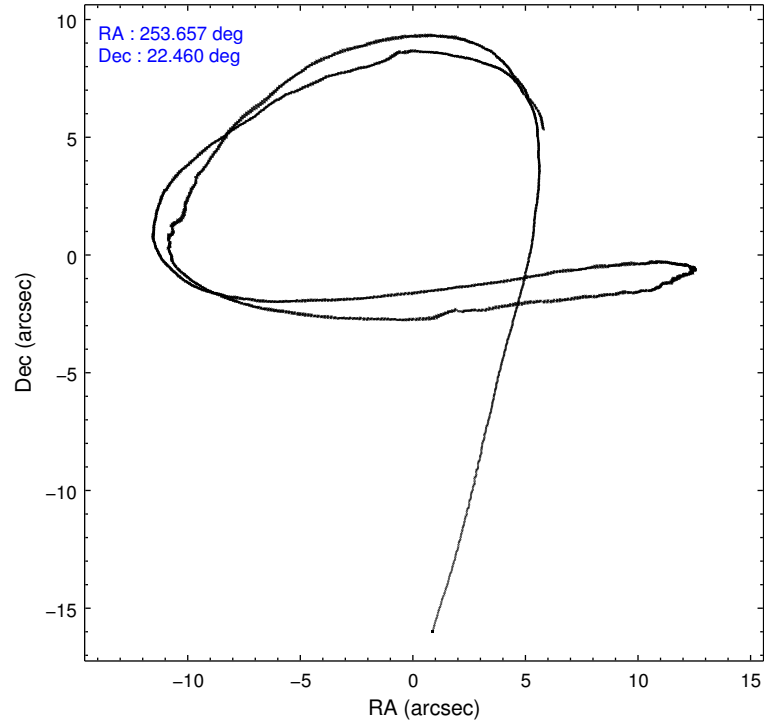
	ccd 6	ccd 7	ccd 8
level 1 events	8531	9584	11683
rejected events	7490	4921	8510
rejected %	87%	51%	72%

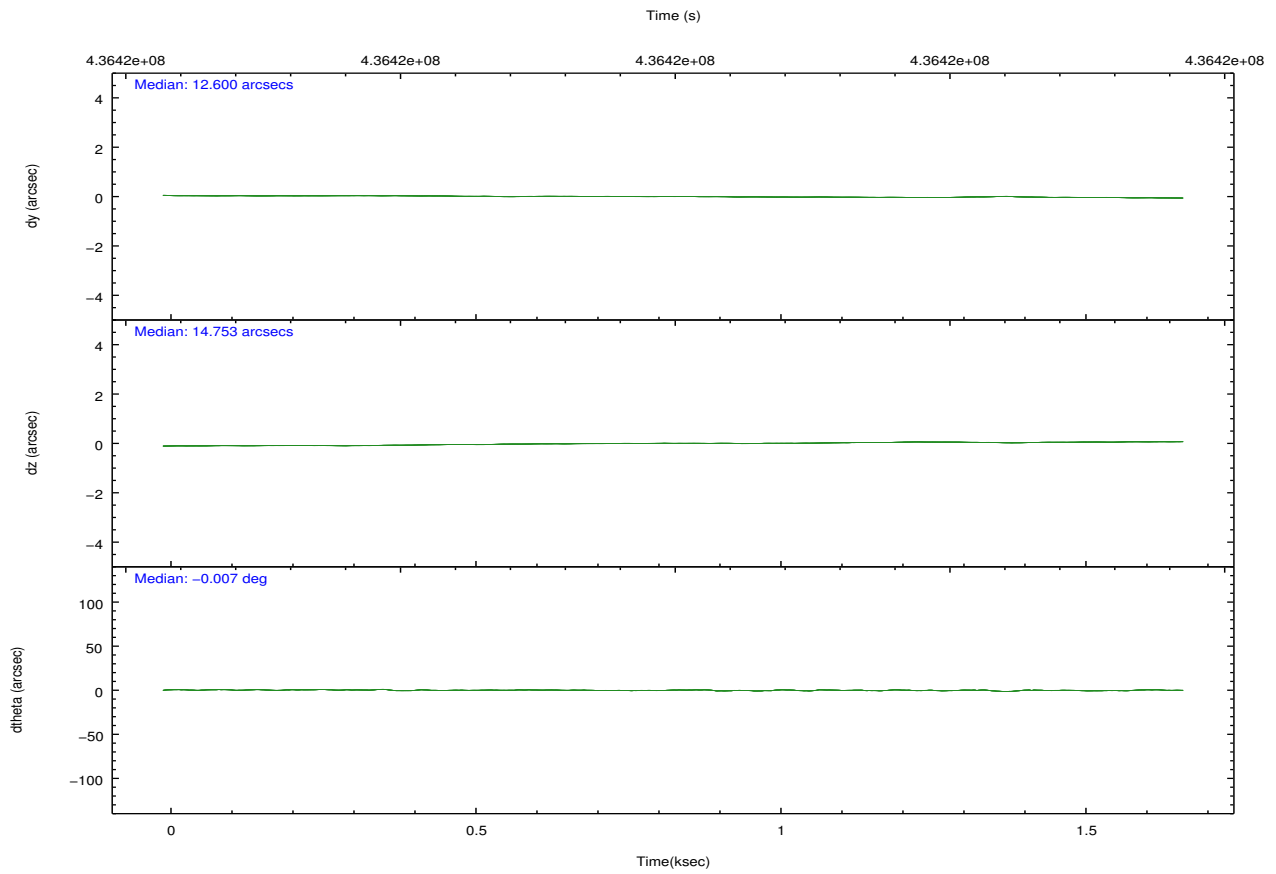
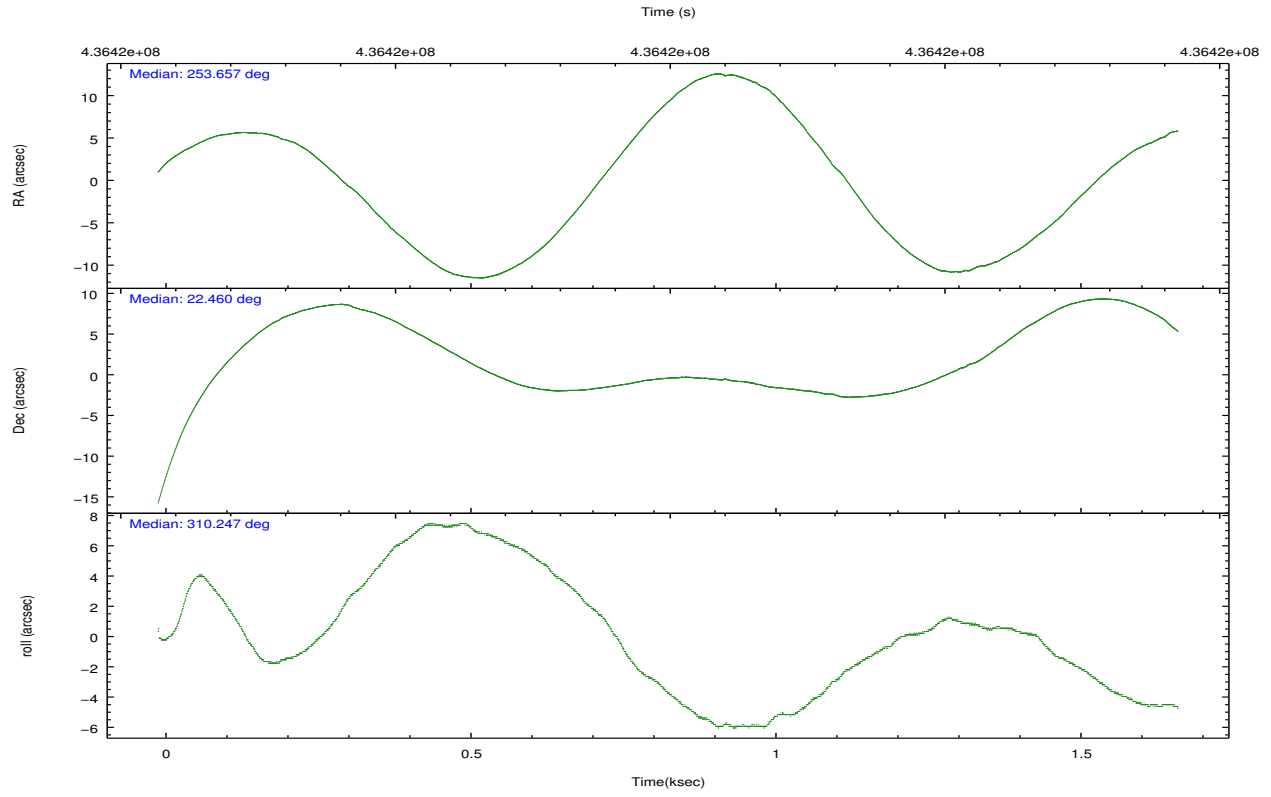
	ccd 6	ccd 7	ccd 8
grade 0 events	341	453	841
	3%	4%	7%
grade 1 events	8	12	8
	0%	0%	0%
grade 2 events	218	996	748
	2%	10%	6%
grade 3 events	122	420	383
	1%	4%	3%
grade 4 events	119	421	347
	1%	4%	2%
grade 5 events	369	1021	571
	4%	10%	4%
grade 6 events	244	2391	858
	2%	24%	7%
grade 7 events	7110	3870	7927
	83%	40%	67%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	253.628594	253.6565458232377	Subarray requested	NONE	NONE
[deg] Pointing Dec	22.468651	22.46007619841509	Alternating exposures requested	N	N
[deg] Pointing Roll	310.108681	310.2545527854087	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	436421824.184000	436420756.00163			
Observation start date	2011-10-31T04:15:58	2011-10-31T03:59:16			
[s] Observation end time (MET)	436423324.184000	436424292.25182			
Observation end date	2011-10-31T04:40:58	2011-10-31T04:58:12			
Read mode	TIMED	TIMED			

2.3 Aspect



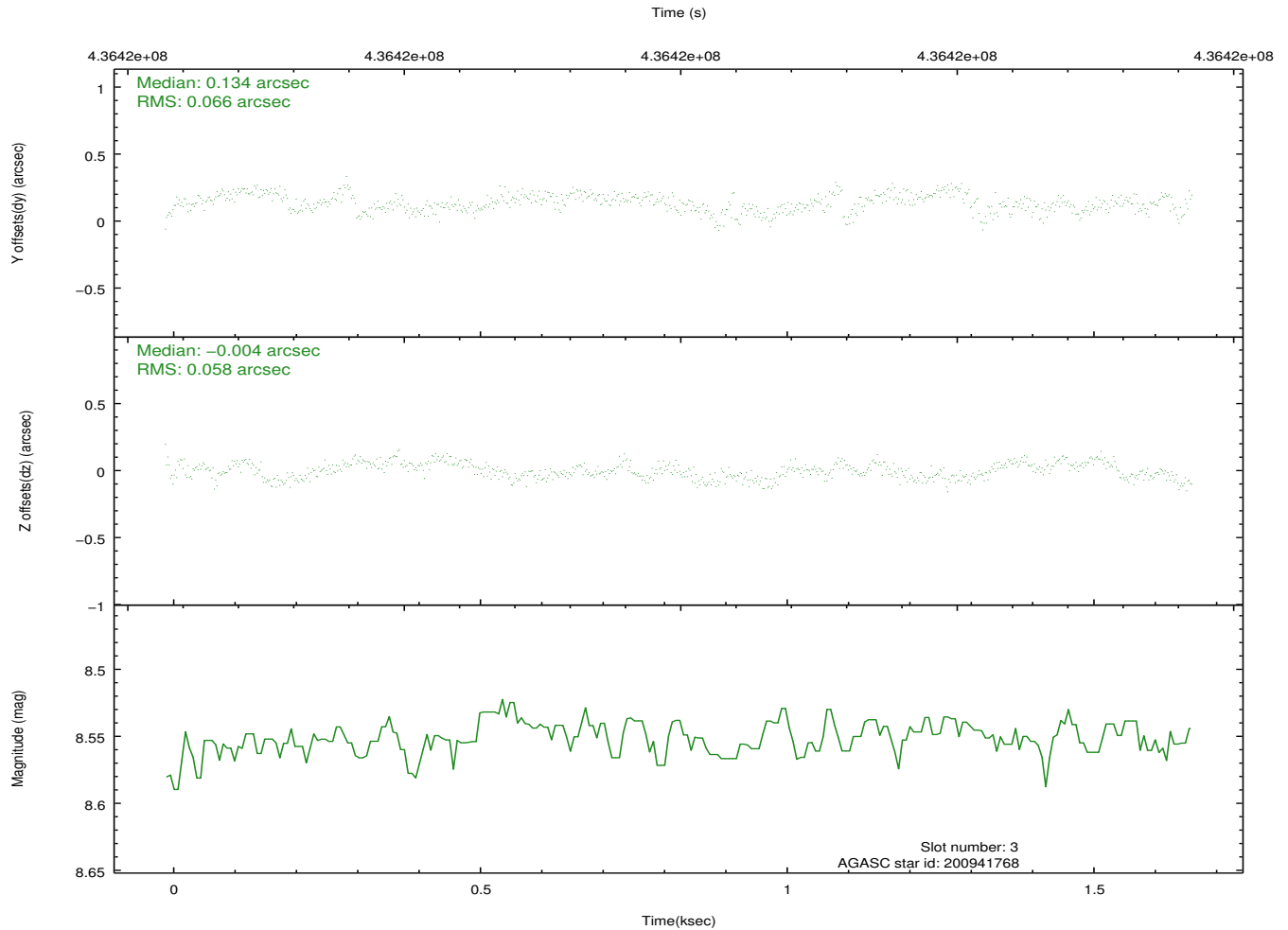
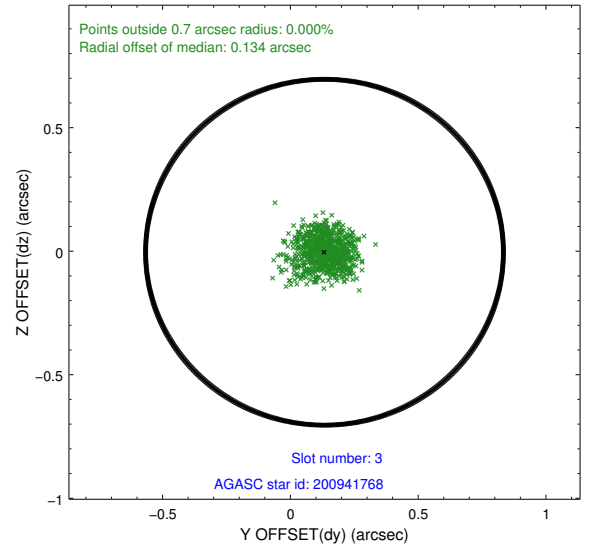
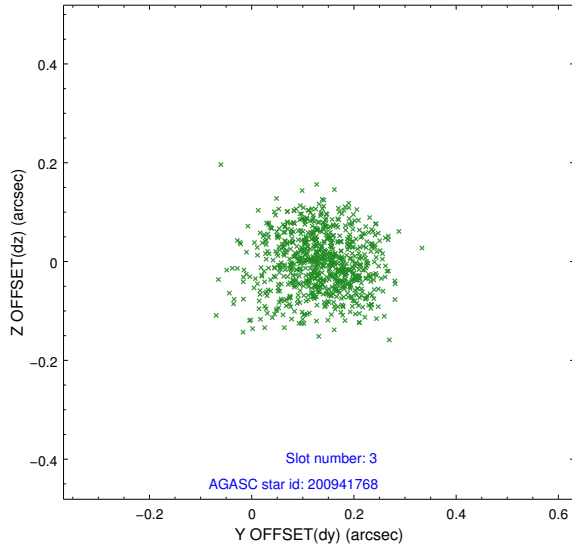


Slot Statistics

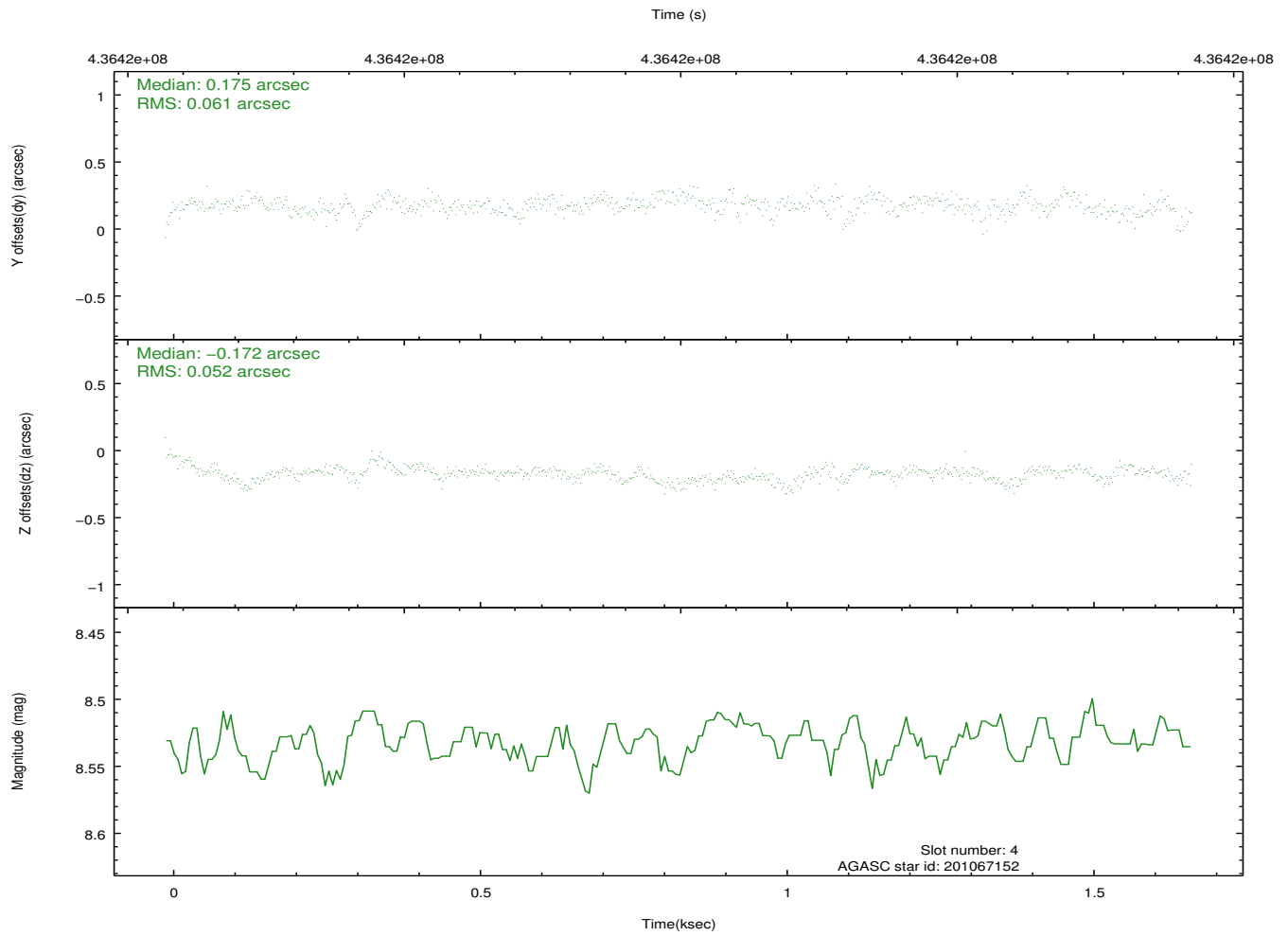
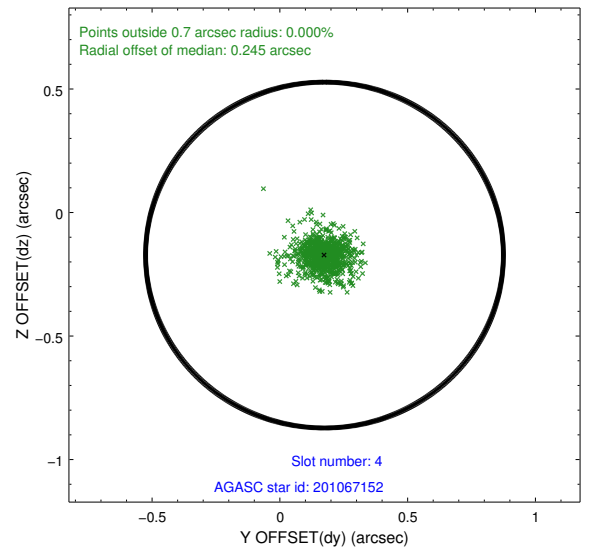
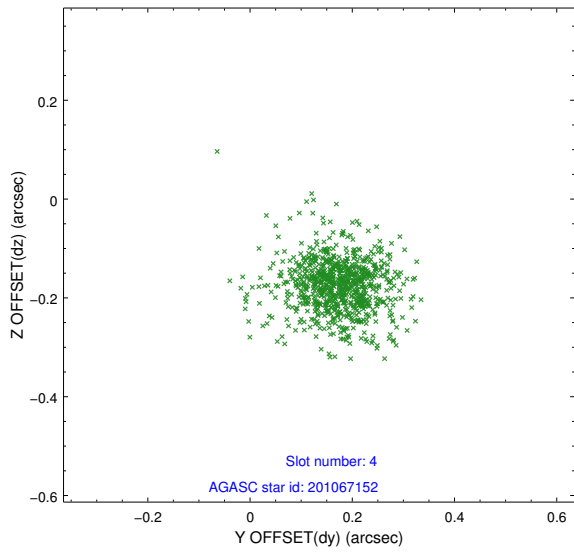
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.00	408	0.100	-0.078	0.006	0.011	0.000000	0.000000	930.68	-1731.70
1	FID	ACIS-S-5	7.04	408	-0.164	0.061	0.007	0.011	0.000000	0.000000	-1816.43	161.85
2	FID	ACIS-S-6	7.13	408	0.044	0.029	0.007	0.012	0.000000	0.000000	391.83	810.29
3	GUIDE	200941768	8.55	817	0.134	-0.004	0.096	0.146	253.165762	22.173599	-181.68	-1863.51
4	GUIDE	201067152	8.53	816	0.175	-0.172	0.080	0.151	254.083874	22.106950	1973.59	321.40
5	GUIDE	269882784	7.88	817	-0.189	-0.132	0.080	0.130	253.651282	23.155269	-1838.90	1649.59
6	GUIDE	269884528	8.57	795	-0.006	0.175	0.103	0.181	253.321107	22.721104	-1354.32	-193.43
7	GUIDE	200939056	10.09	811	-0.093	0.136	0.173	0.282	253.169011	21.916501	529.48	-2453.41

2.4 Star Slots

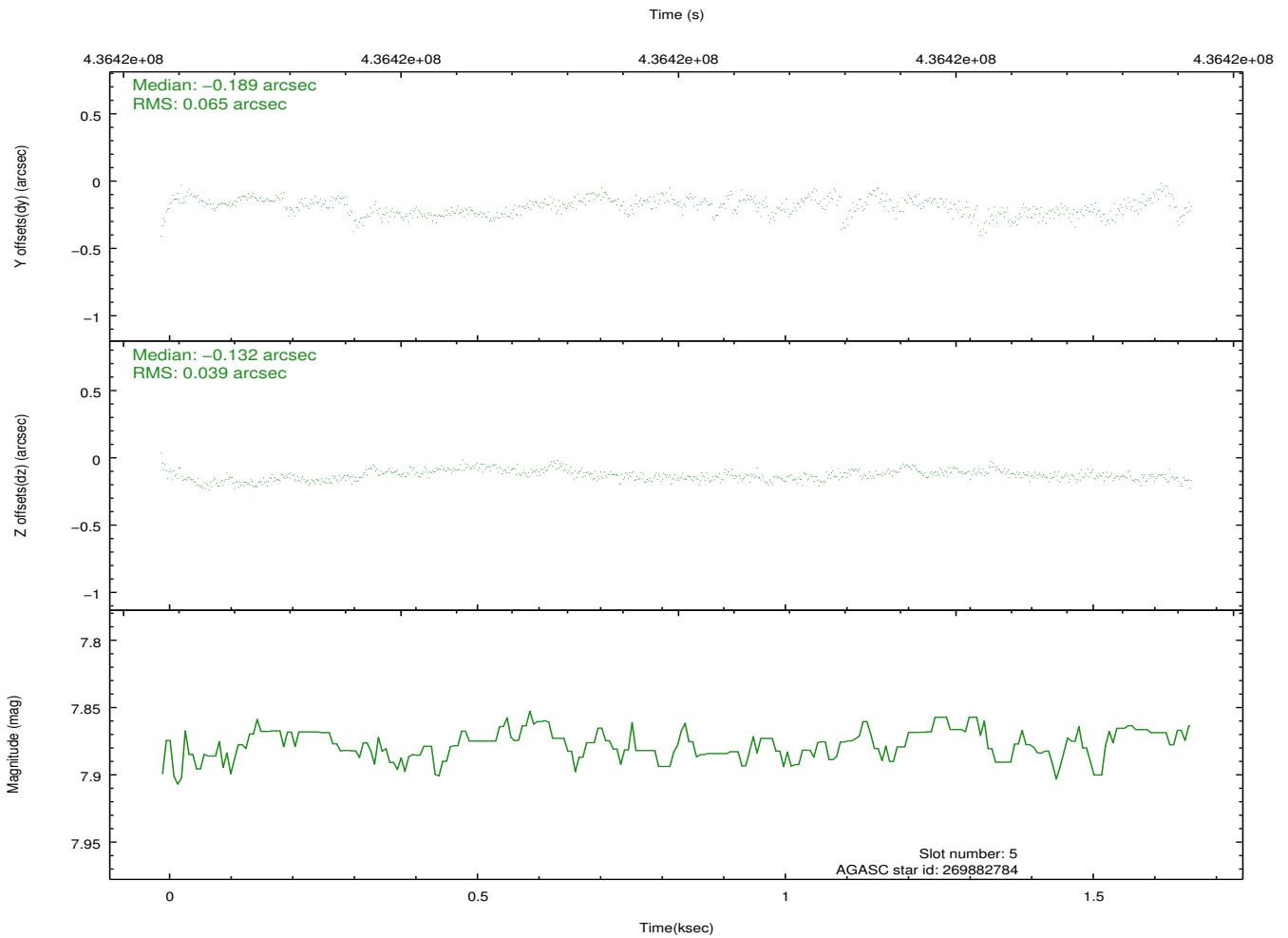
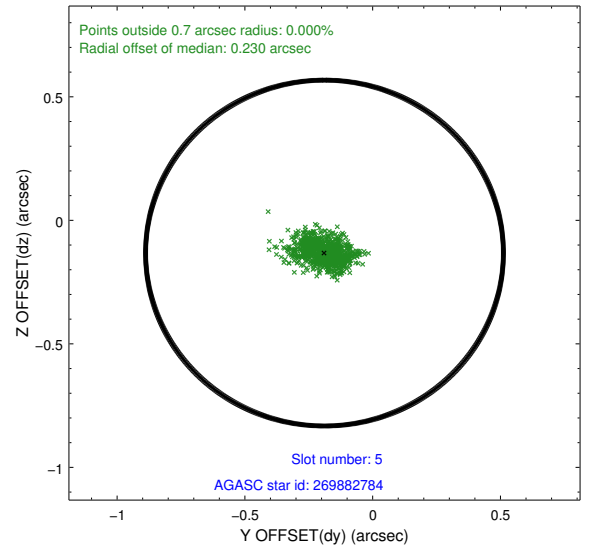
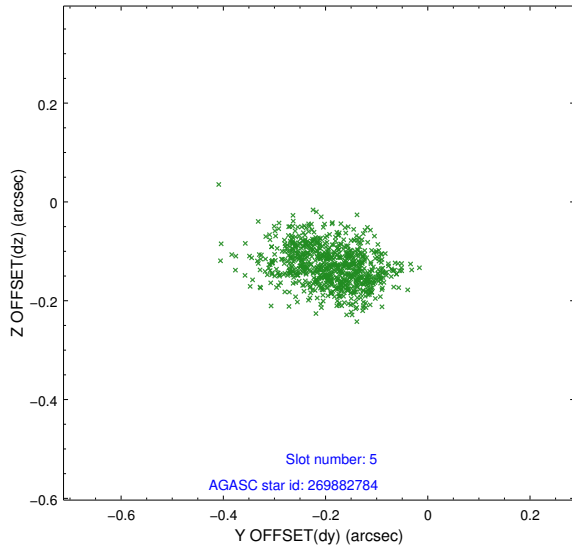
2.4.1 Slot 3



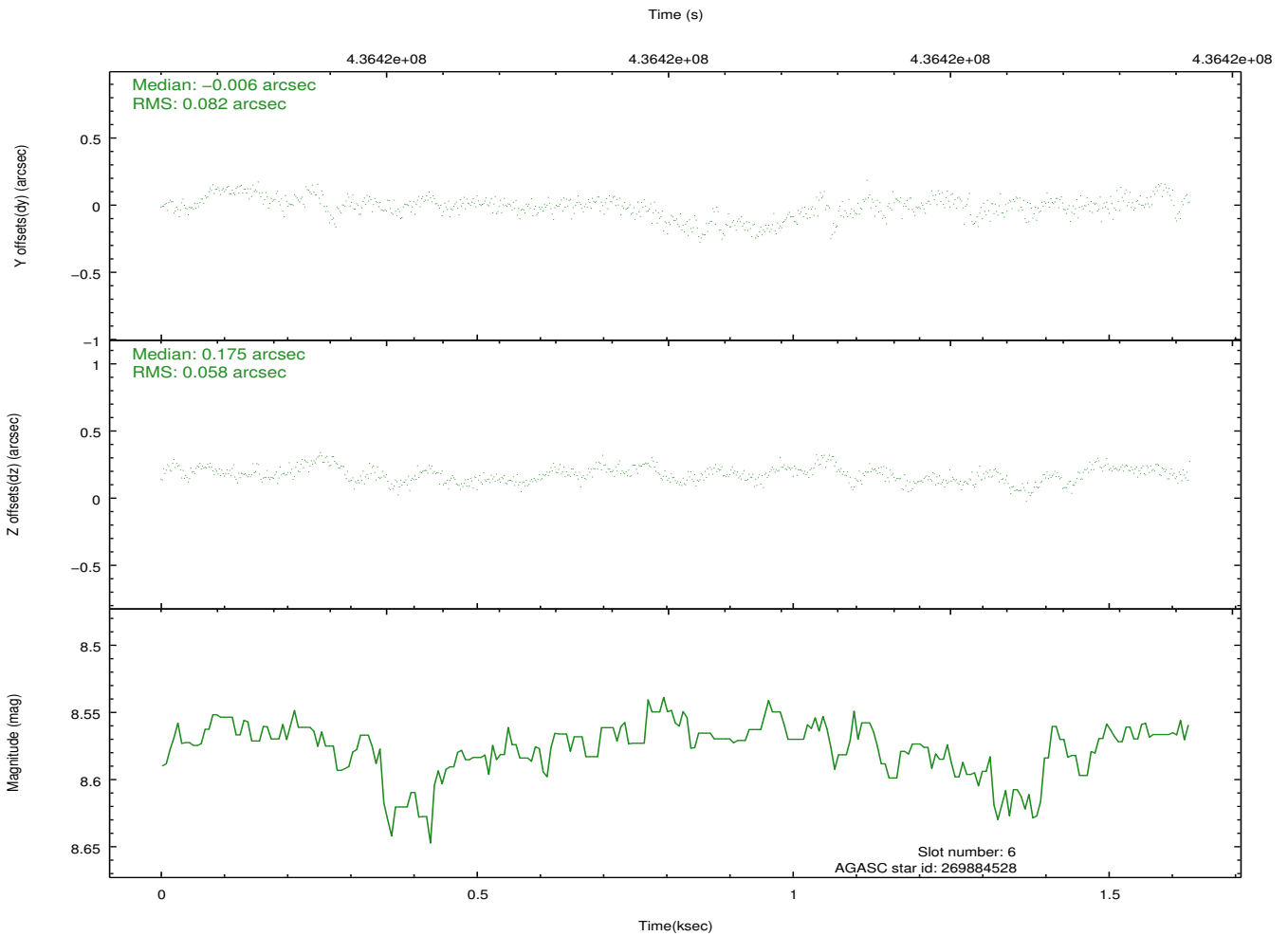
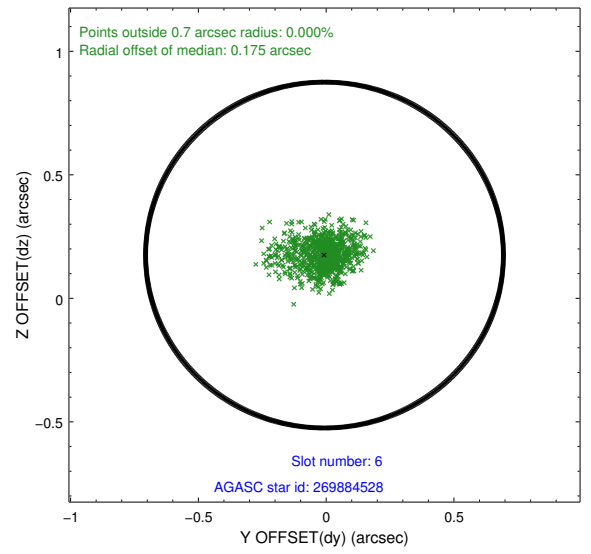
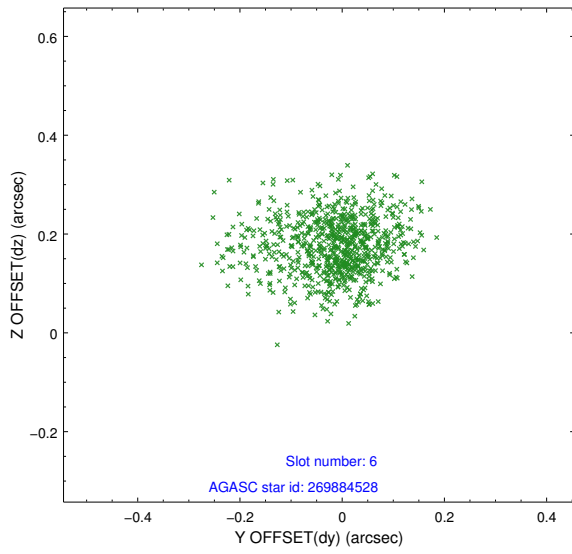
2.4.2 Slot 4



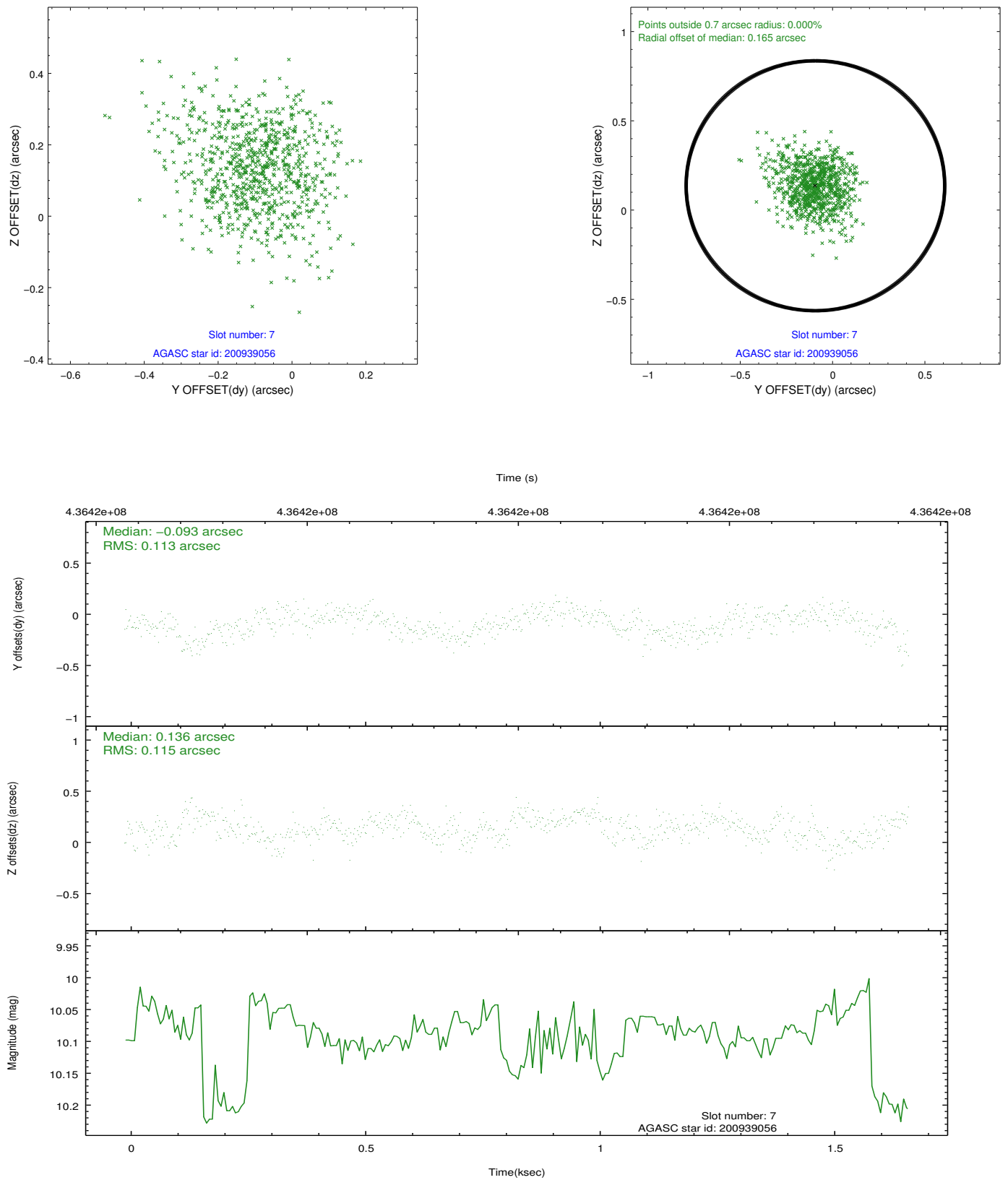
2.4.3 Slot 5



2.4.4 Slot 6

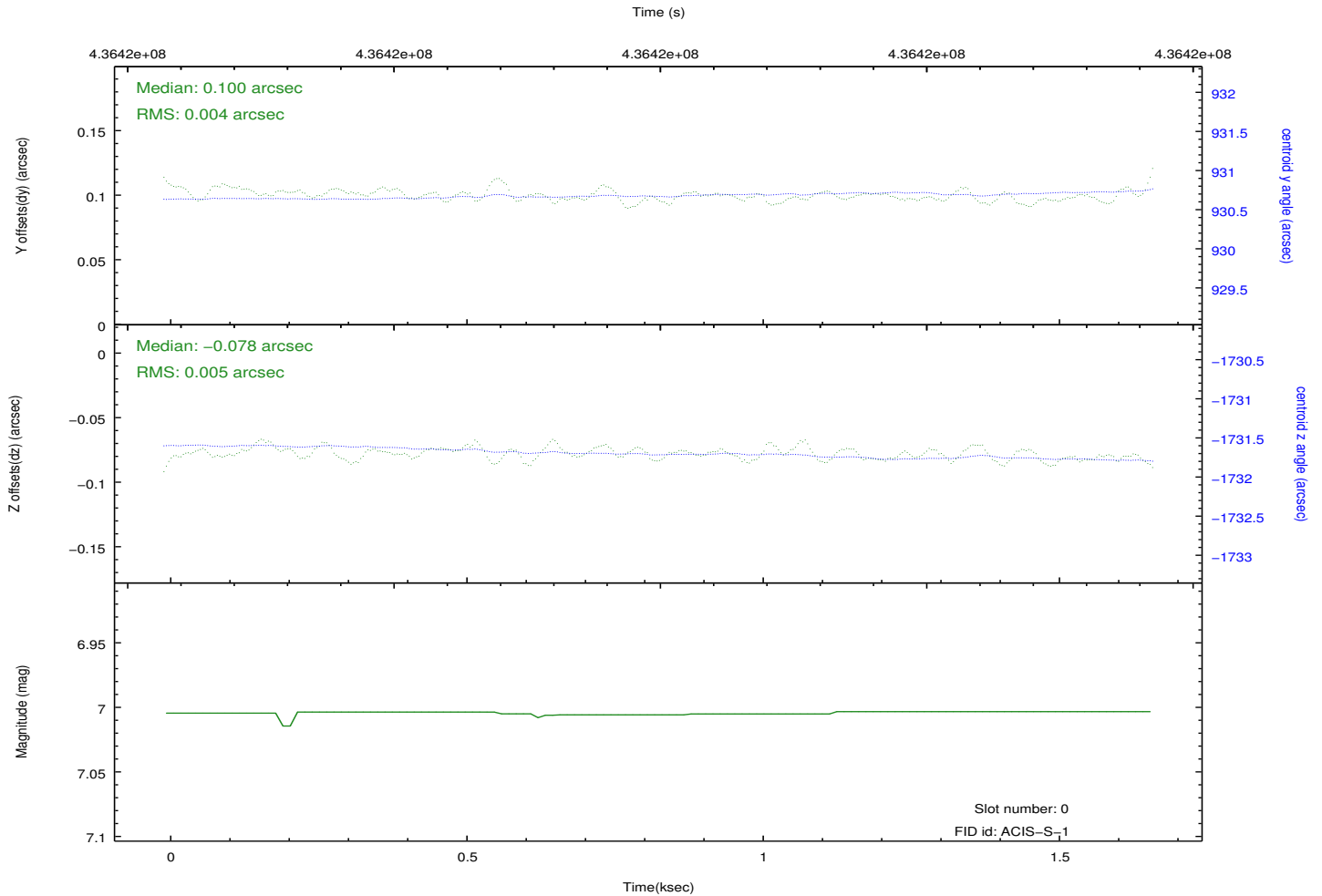
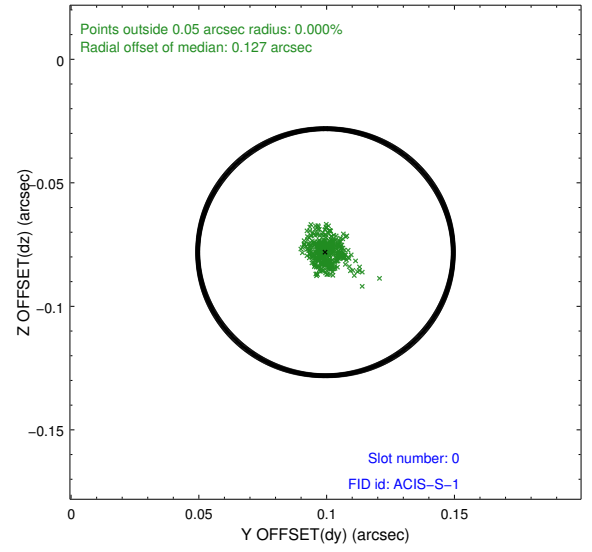
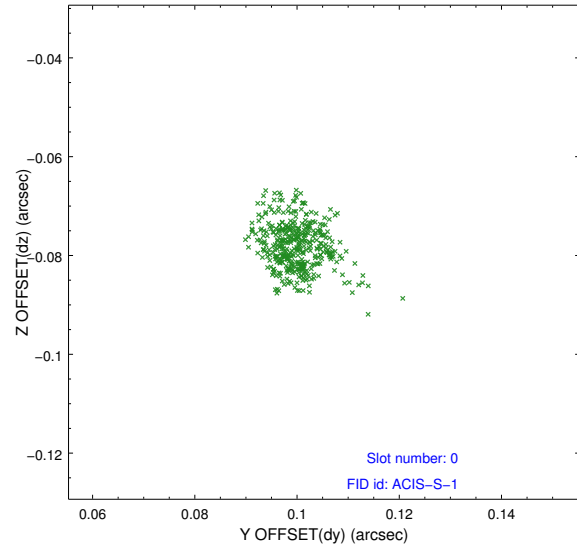


2.4.5 Slot 7

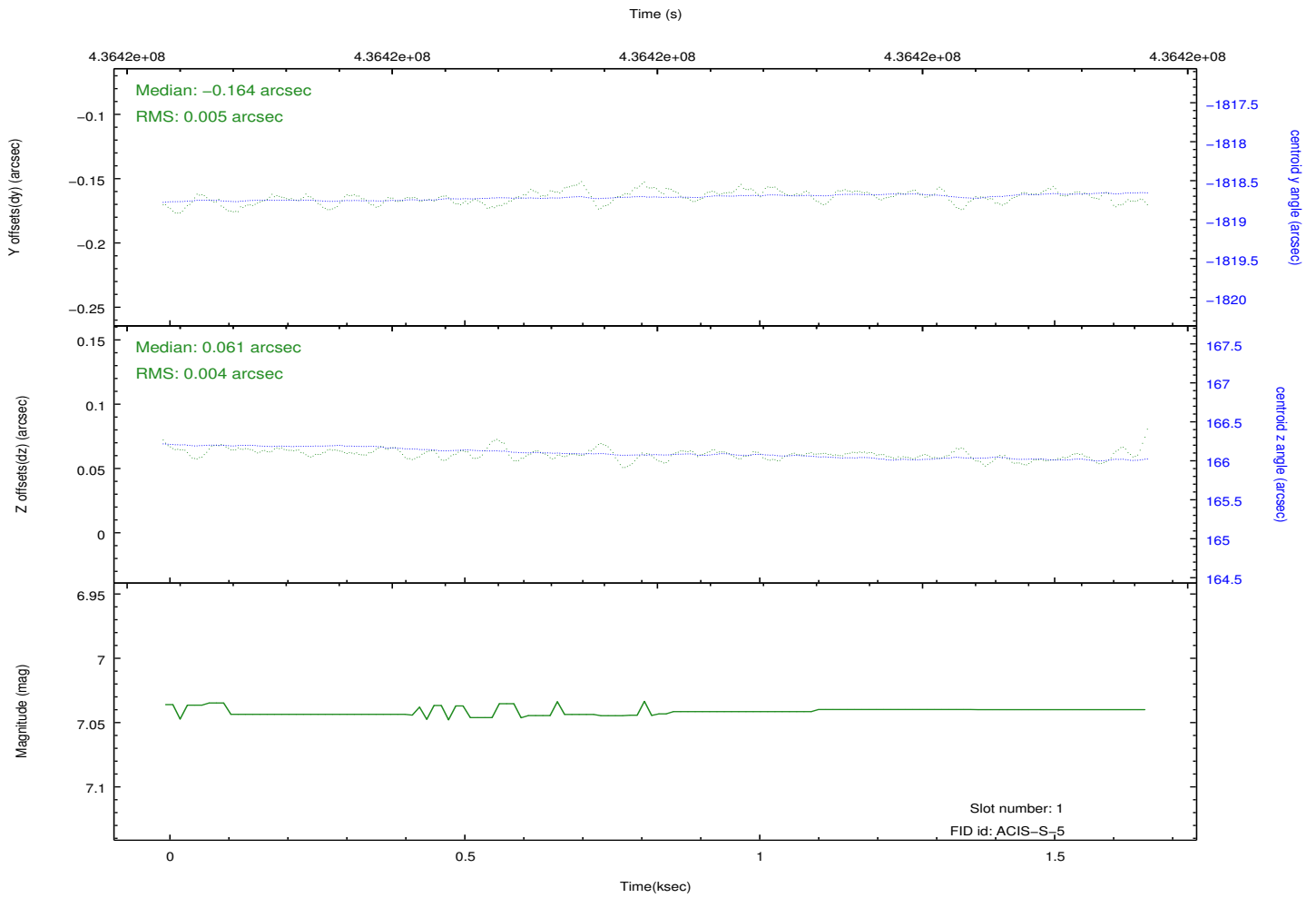
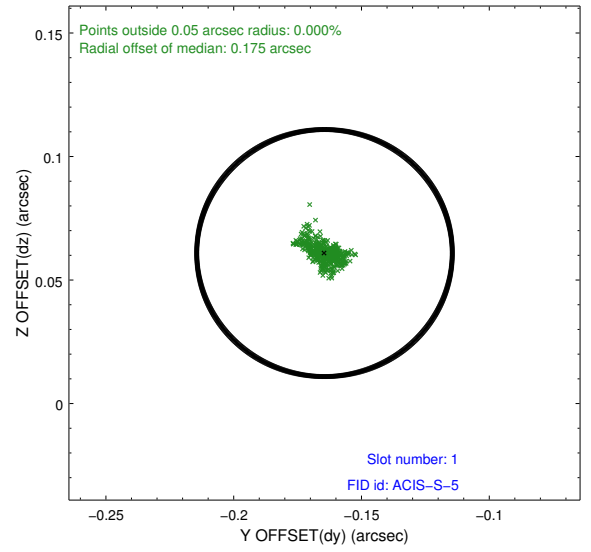
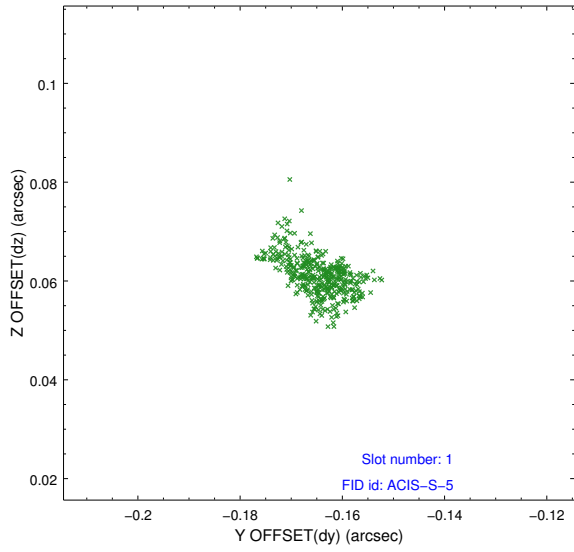


2.5 FID Slots

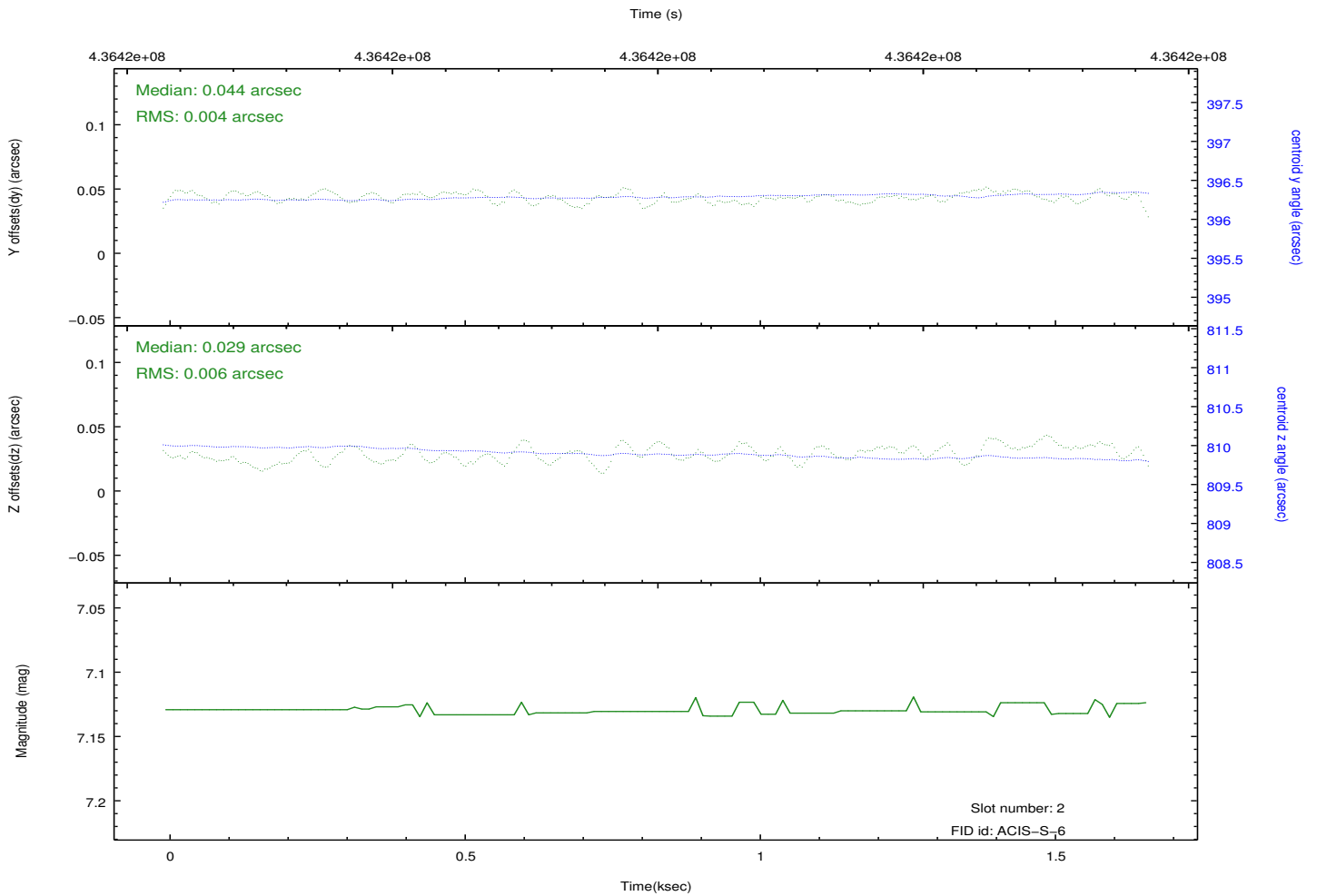
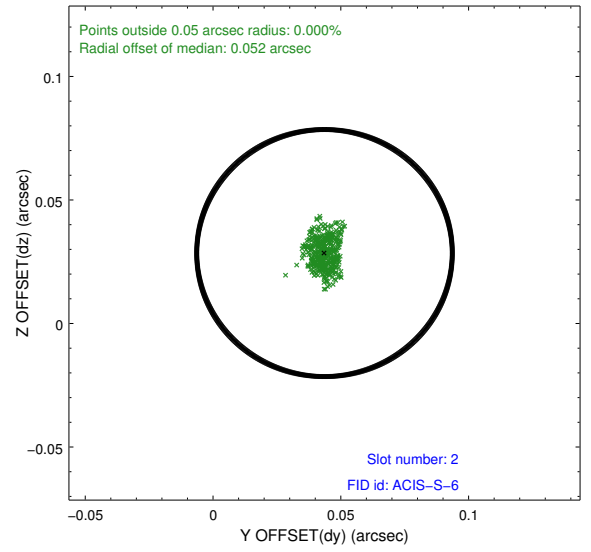
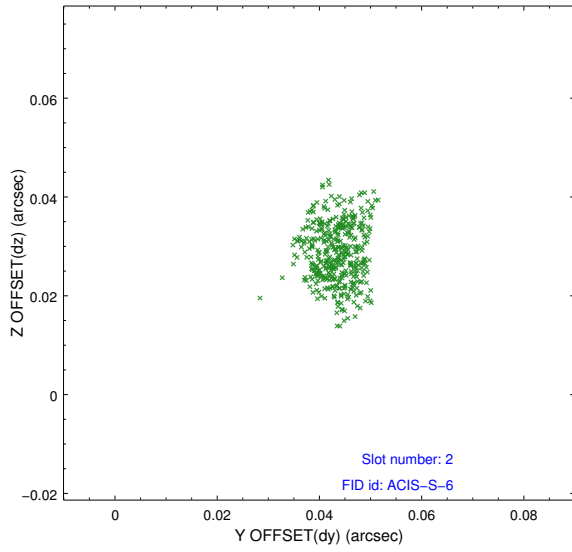
2.5.1 Slot 0



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)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5619619560838

A.2 Comments