

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18114 - L2 Version 1
Chandra X-Ray Center

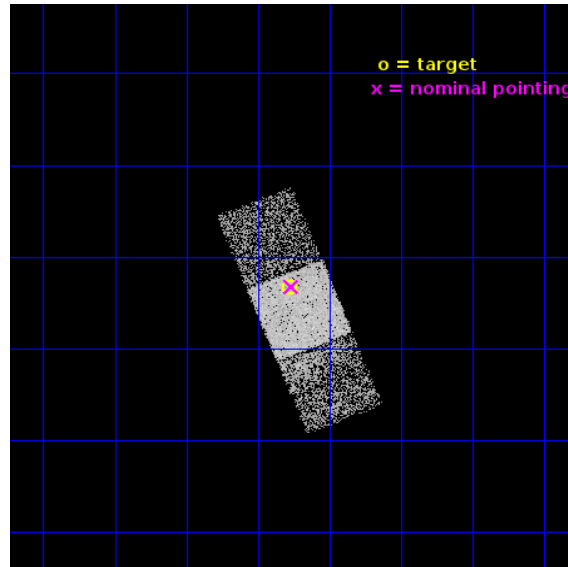
L2 Processing Date : Feb 21 2016

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1 Front

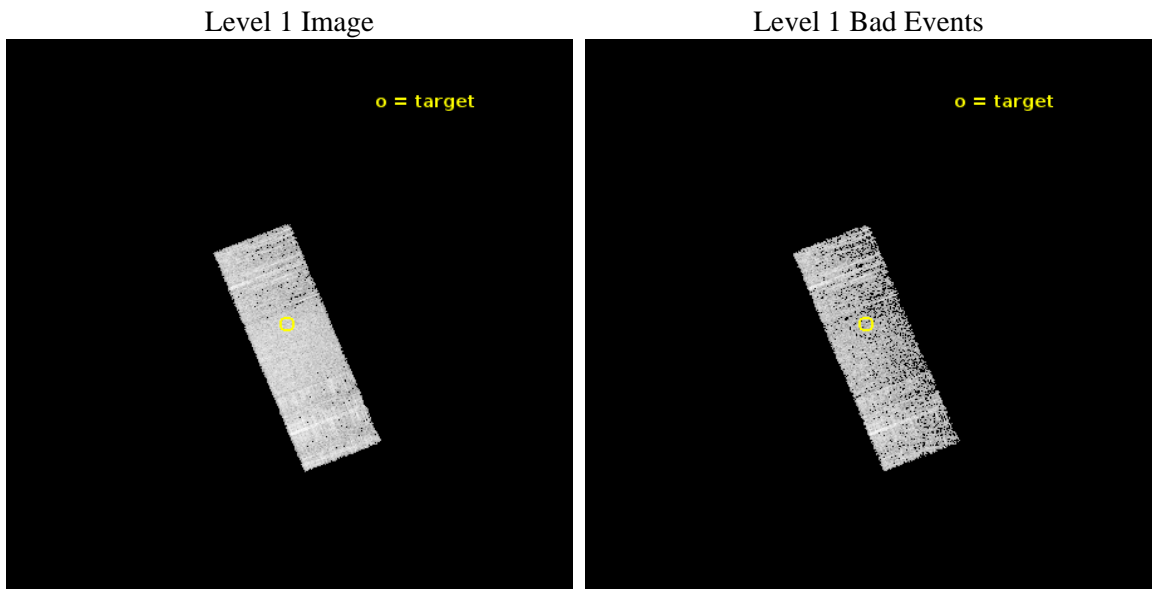
seq_num	703180	Sequence number
obs_id	18114	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J1245+0156	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	191.31875	Observer's specified target RA [deg]
dec_targ	1.94475	Observer's specified target Dec [deg]
ra_nom	191.31662271236	Nominal RA [deg]
dec_nom	1.9459138169562	Nominal Dec [deg]
roll_nom	68.156705587604	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4315.2000333071	Sum of GTIs [s]
liveltime	4258.8187680679	Livetime [s]
ontime6	4315.2000333071	Sum of GTIs [s]
ontime7	4315.2000333071	Sum of GTIs [s]
ontime8	4315.2000333071	Sum of GTIs [s]
l2events	21023	Number of level 2 events



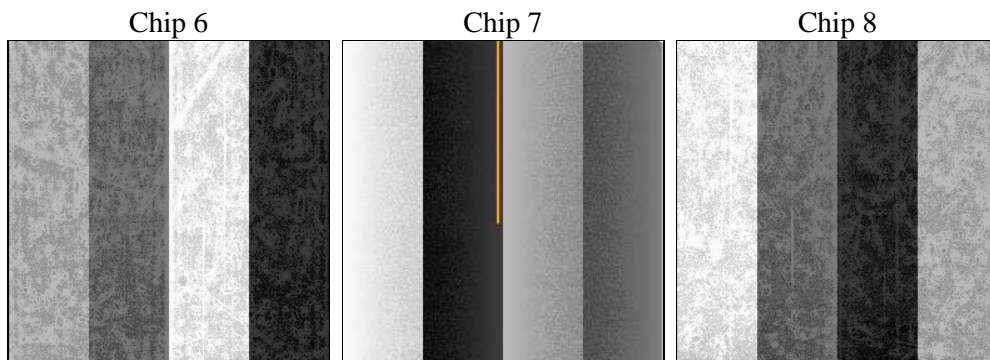
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4200.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4315.2000333071	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	4315.2000333071	Sum of GTIs [s]
date	2016-02-21T22:48:46	Date and time of file creation	ontime7	4315.2000333071	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4315.2000333071	Sum of GTIs [s]
			l1events	96707	Number of level 1 events

2.1.4 Events

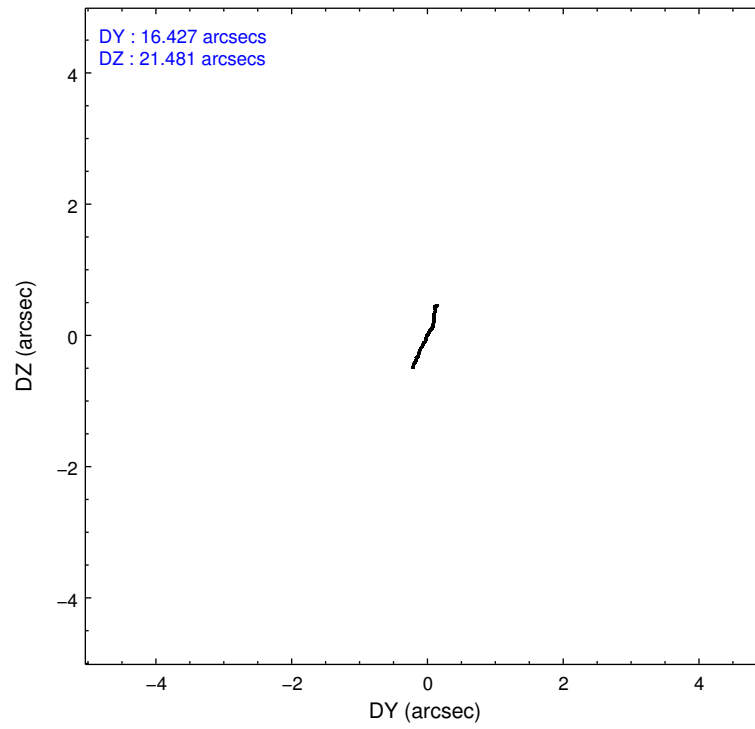
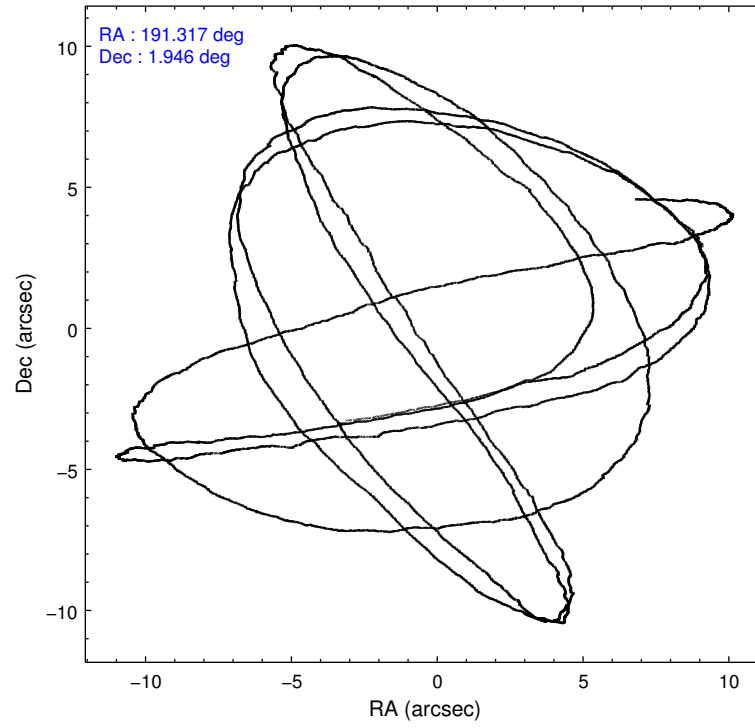
	ccd 6	ccd 7	ccd 8
level 1 events	26582	33672	36453
rejected events	23491	18629	25631
rejected %	88%	55%	70%

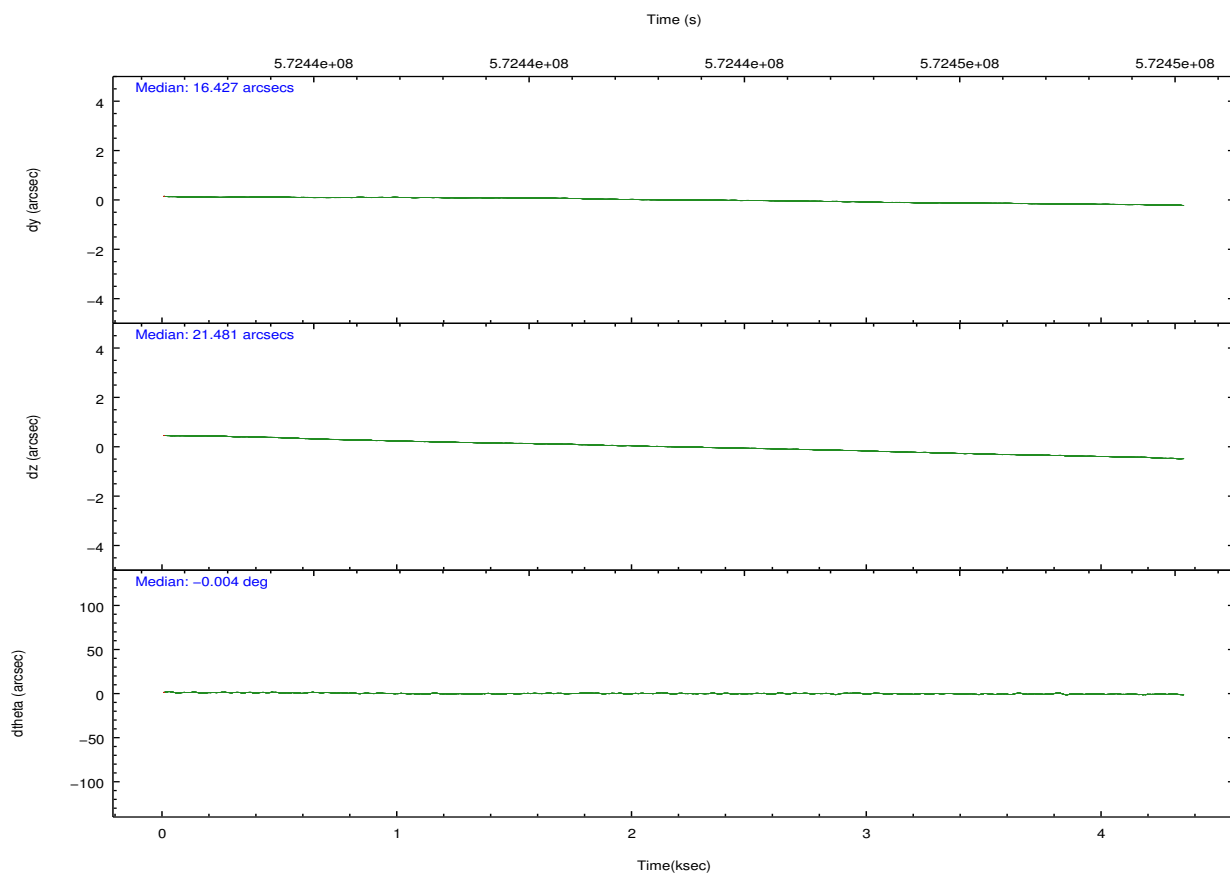
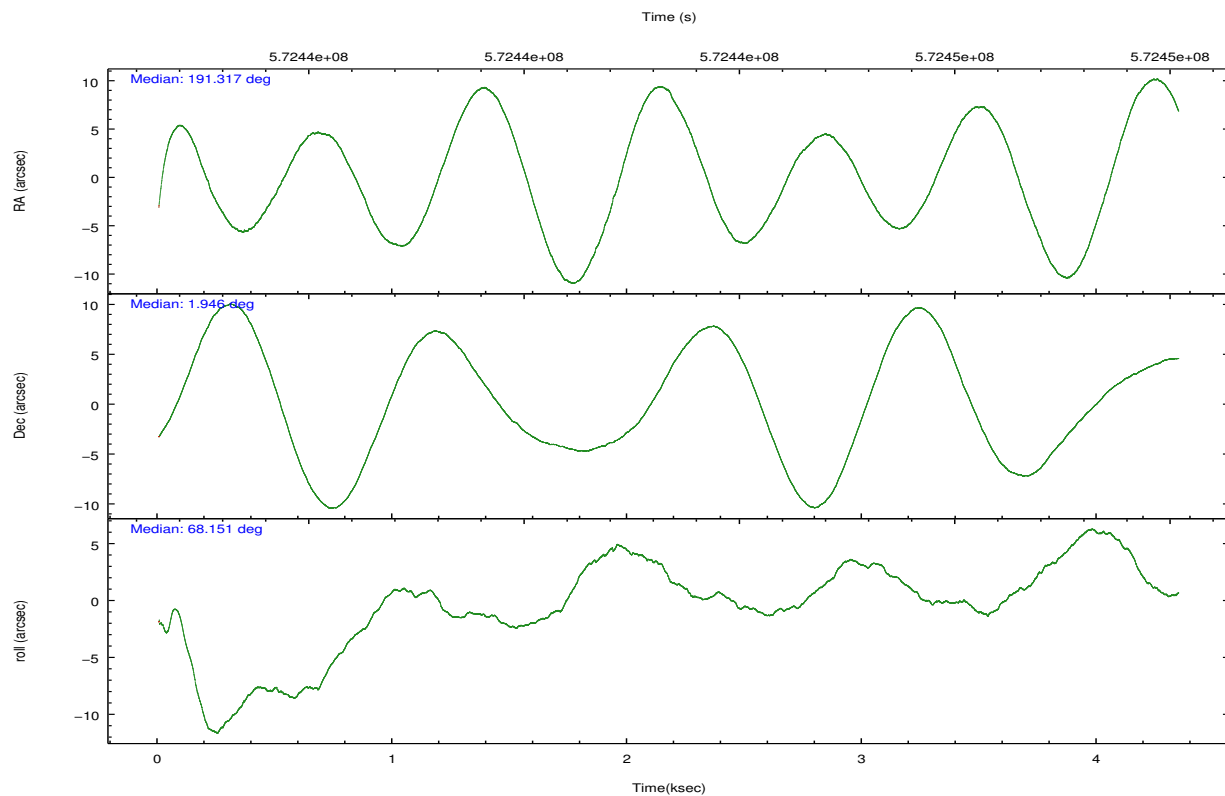
	ccd 6	ccd 7	ccd 8
grade 0 events	1064	1344	3472
	4%	3%	9%
grade 1 events	13	35	32
	0%	0%	0%
grade 2 events	710	3188	2401
	2%	9%	6%
grade 3 events	327	1340	1249
	1%	3%	3%
grade 4 events	278	1237	1140
	1%	3%	3%
grade 5 events	1300	3446	1878
	4%	10%	5%
grade 6 events	714	7941	2565
	2%	23%	7%
grade 7 events	22176	15141	23716
	83%	44%	65%

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	191.320845	191.3166227123557	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.918689	1.945913816956184	Alternating exposures requested	N	N
[deg] Pointing Roll	67.999928	68.15670558760394	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	572442649.184000	572441309.51749			
Observation start date	2016-02-21T11:49:41	2016-02-21T11:28:29			
[s] Observation end time (MET)	572446849.184000	572447682.45535			
Observation end date	2016-02-21T12:59:41	2016-02-21T13:14:42			
Read mode	TIMED	TIMED			

2.3 Aspect



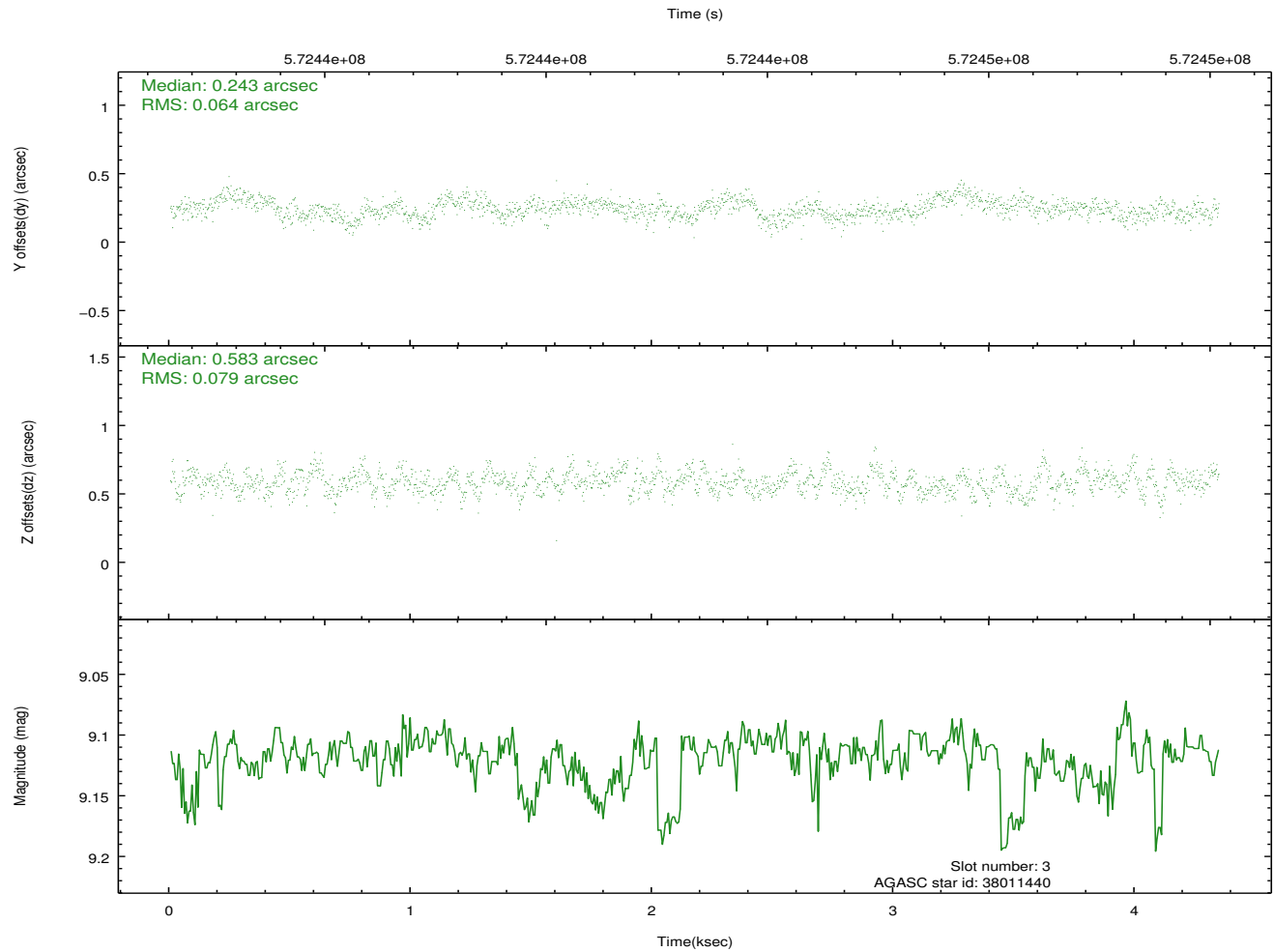
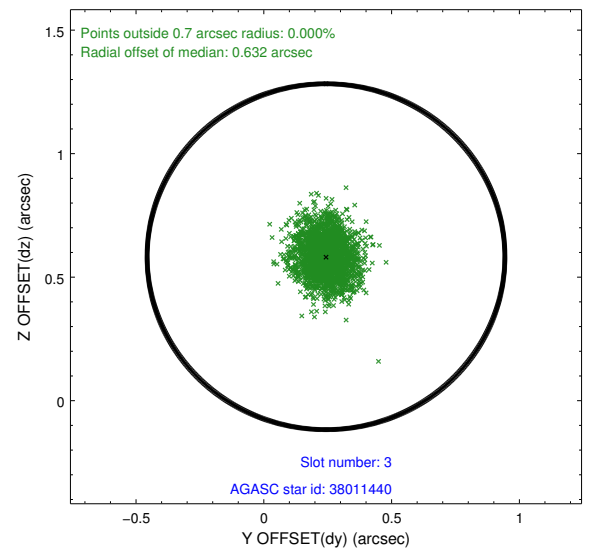
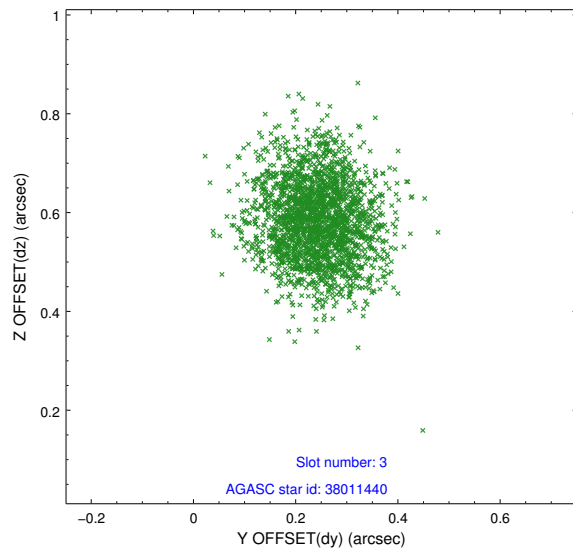


Slot Statistics

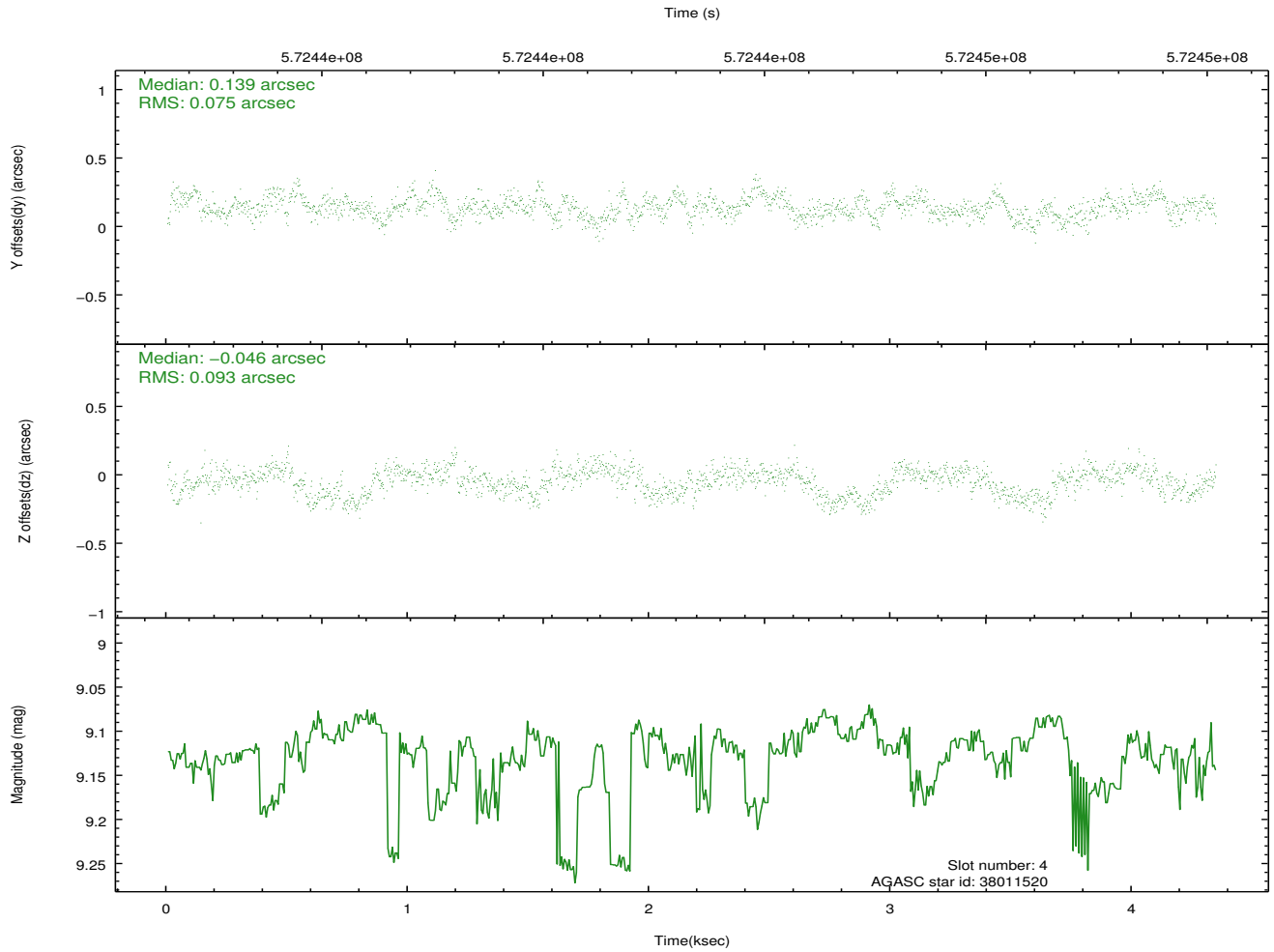
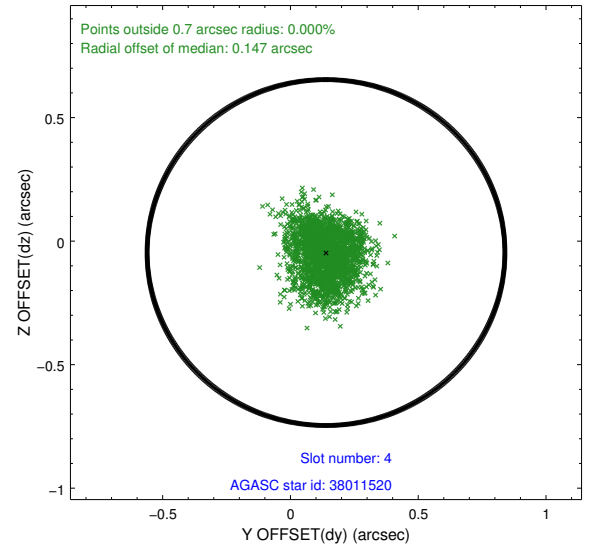
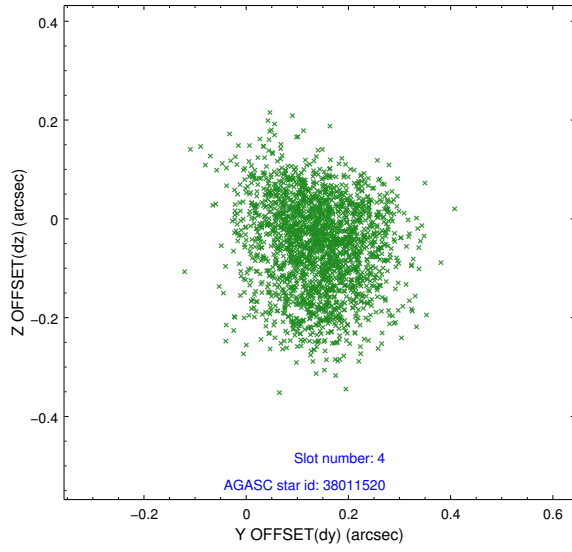
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1060	-0.163	-0.093	0.015	0.024	0.000000	0.000000	-769.58	-1743.07
1	FID		ACIS-S-4	7.22	1060	0.354	0.103	0.008	0.014	0.000000	0.000000	2143.55	164.12
2	FID		ACIS-S-5	7.23	1060	-0.222	-0.002	0.013	0.022	0.000000	0.000000	-1820.67	159.31
3	GUIDE	used	38011440	9.12	2118	0.243	0.583	0.107	0.173	191.774365	1.480607	-850.38	-2102.69
4	GUIDE	used	38011520	9.12	2118	0.139	-0.046	0.130	0.207	190.598929	1.615904	-1984.45	1999.48
5	GUIDE	used	38013080	8.78	2120	0.166	-0.125	0.109	0.178	191.266206	1.935531	-18.45	205.78
6	GUIDE	used	38018328	8.10	2119	-0.146	0.099	0.088	0.140	191.600460	2.327836	1742.04	-379.87
7	GUIDE	used	38404400	8.55	2118	-0.399	-0.502	0.102	0.166	190.883800	2.621151	1756.55	2404.83

2.4 Star Slots

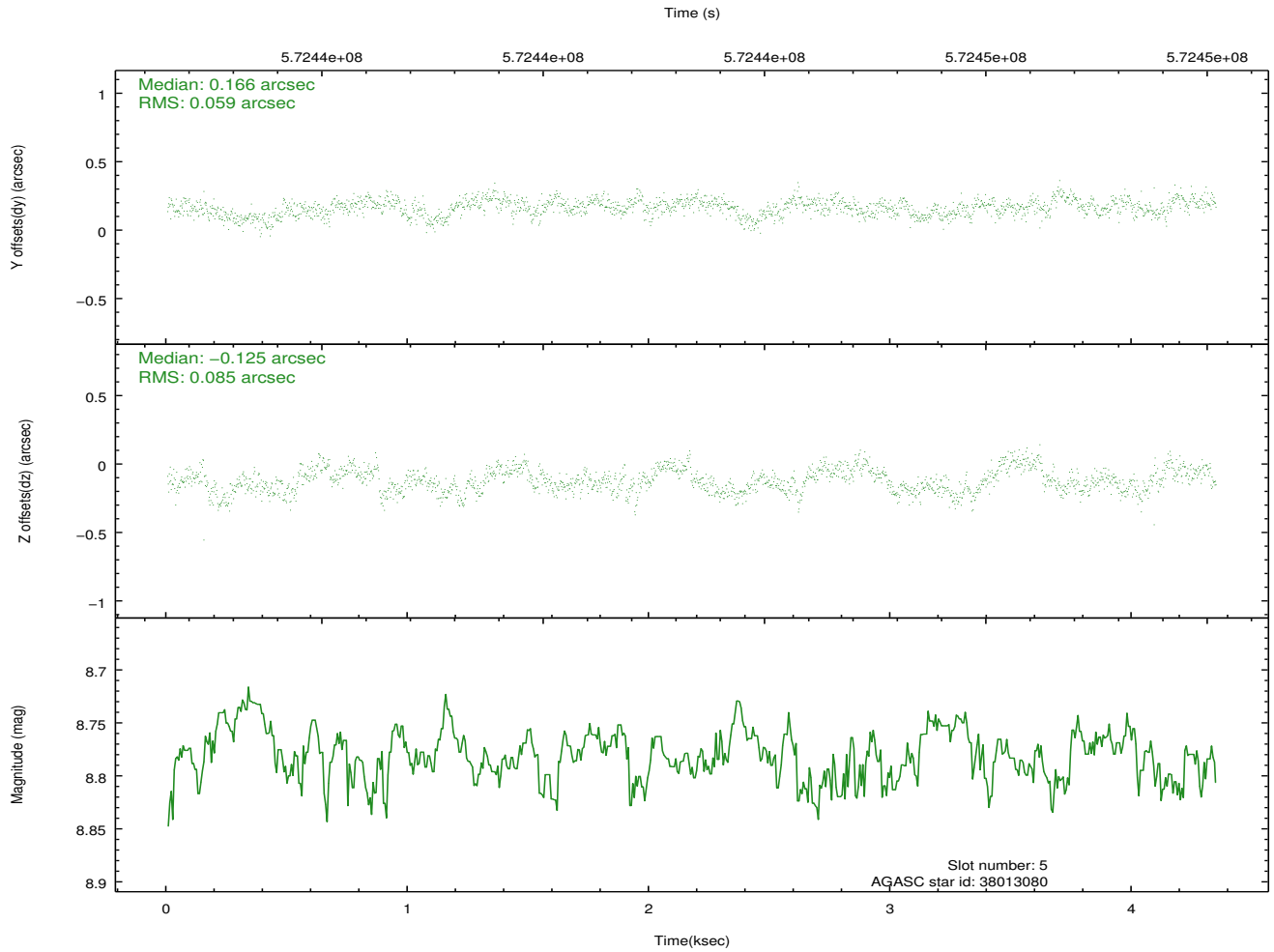
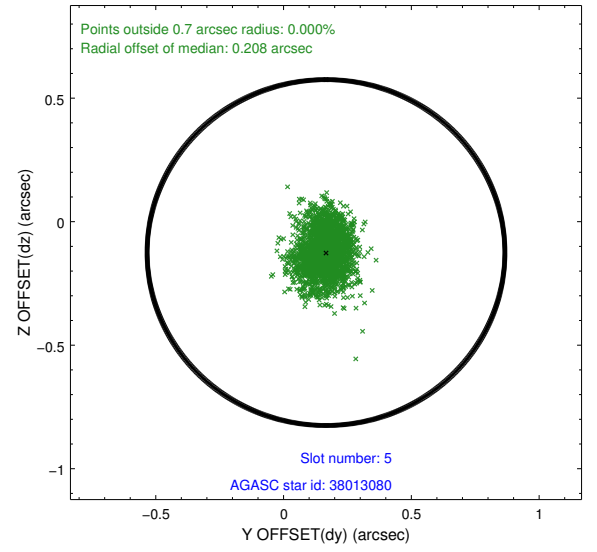
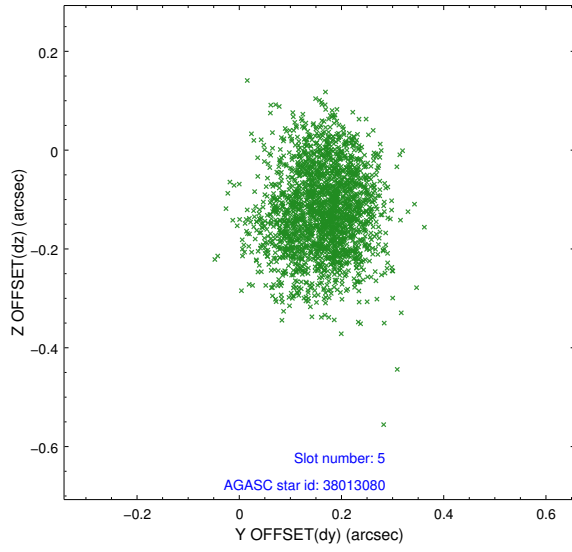
2.4.1 Slot 3



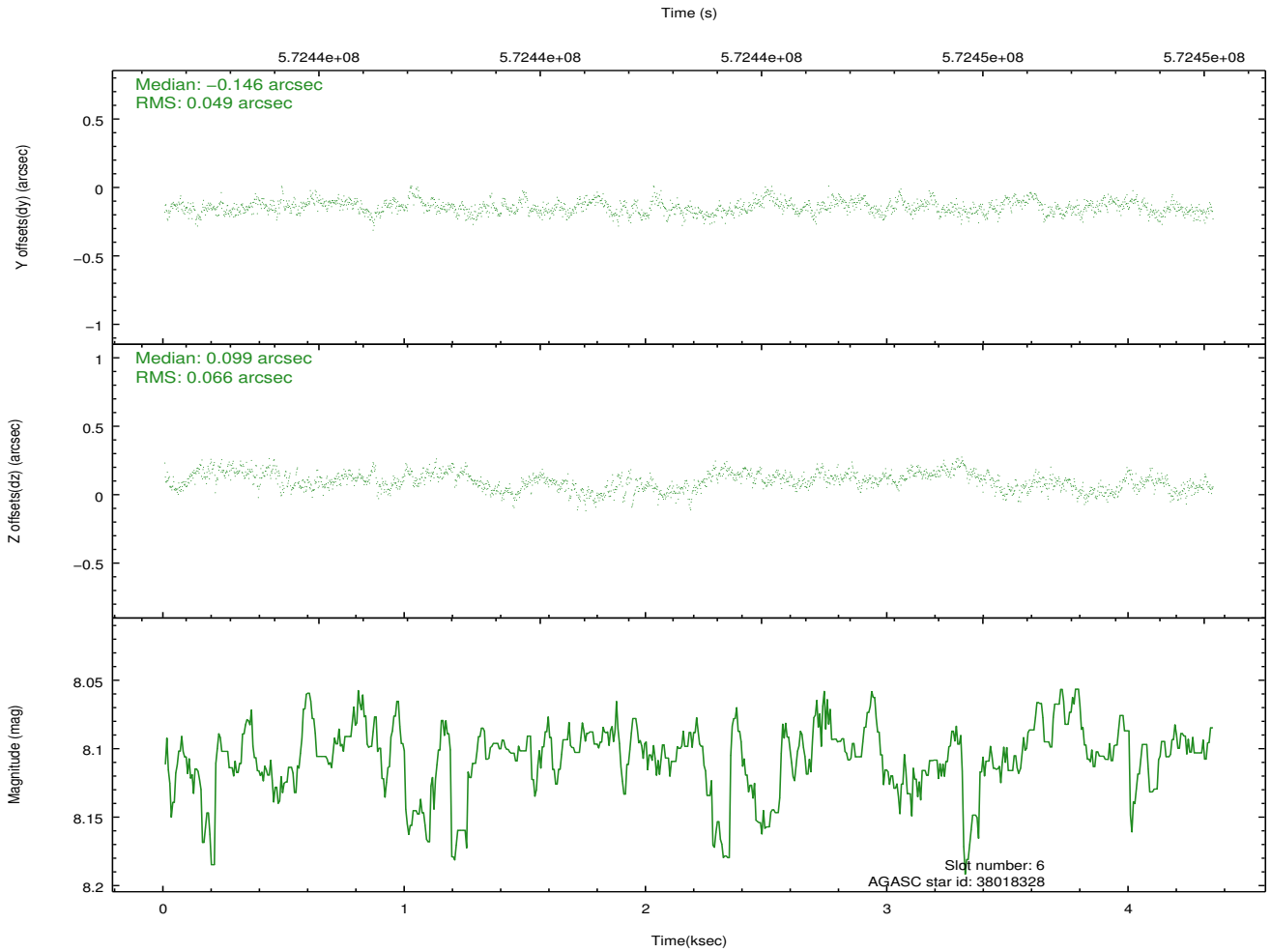
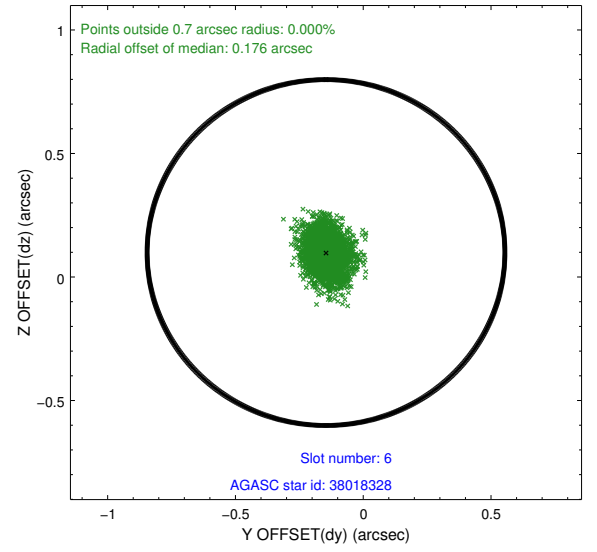
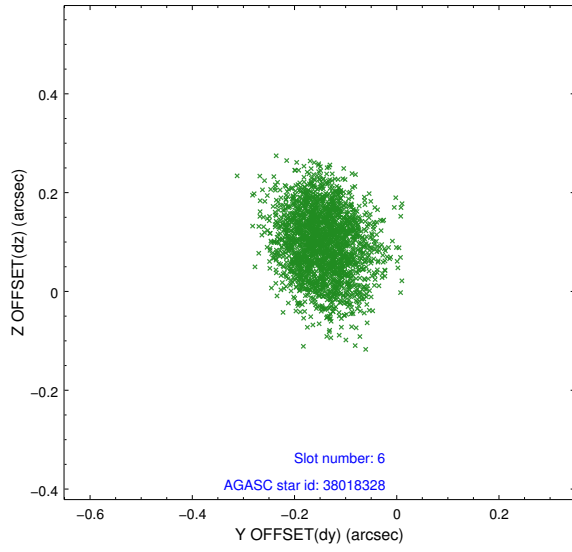
2.4.2 Slot 4



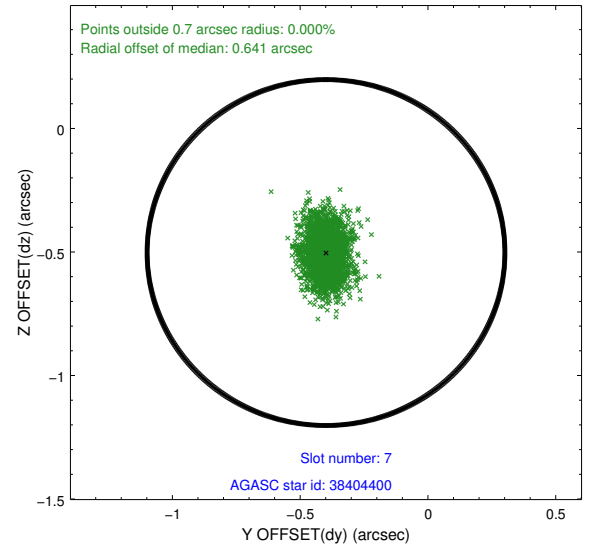
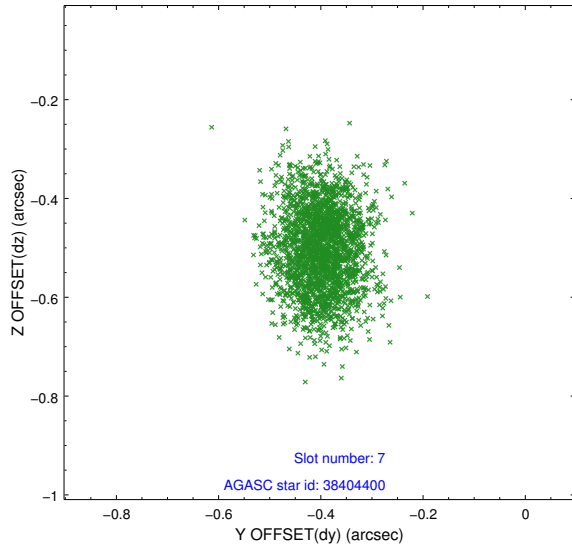
2.4.3 Slot 5



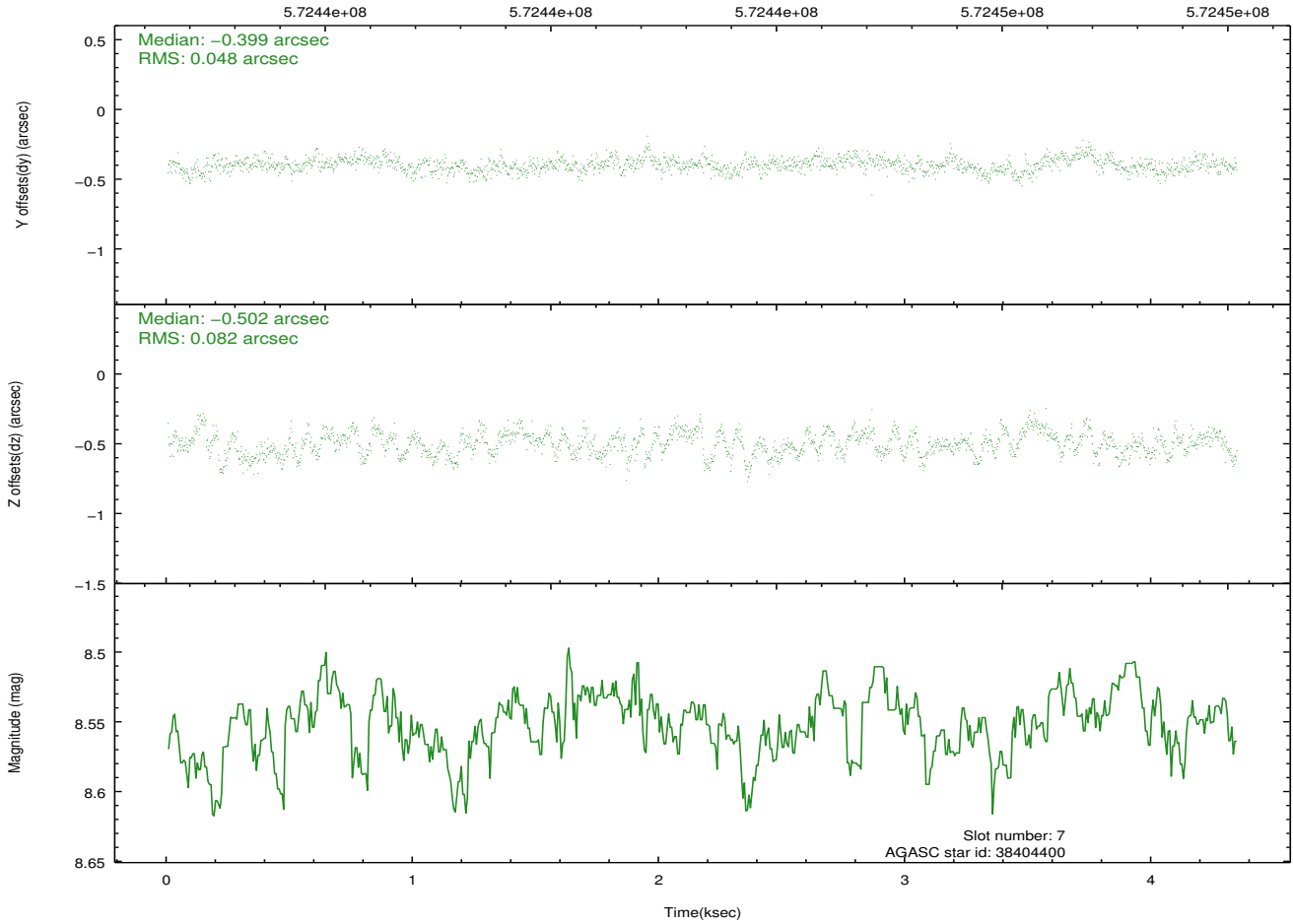
2.4.4 Slot 6



2.4.5 Slot 7

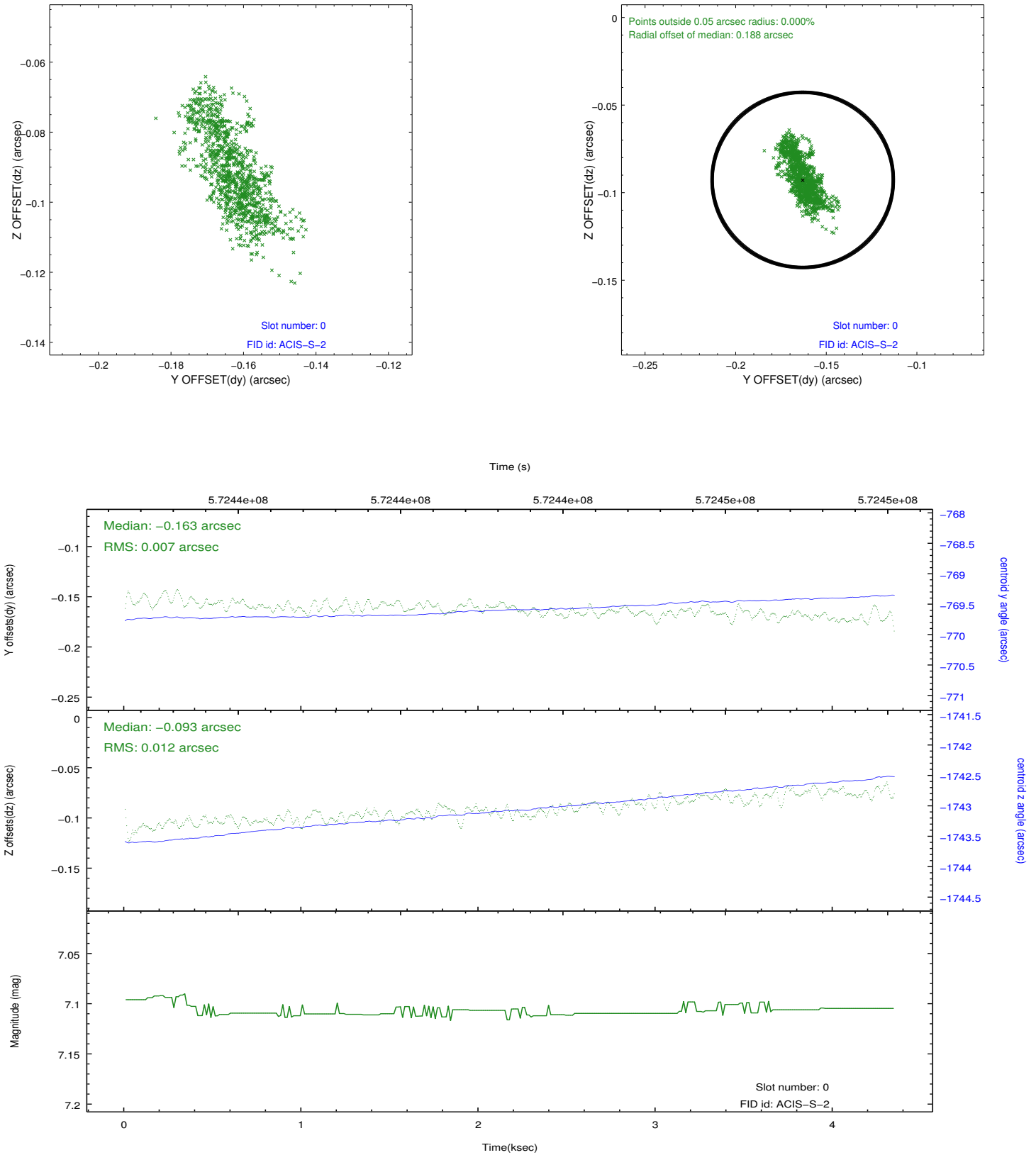


Time (s)

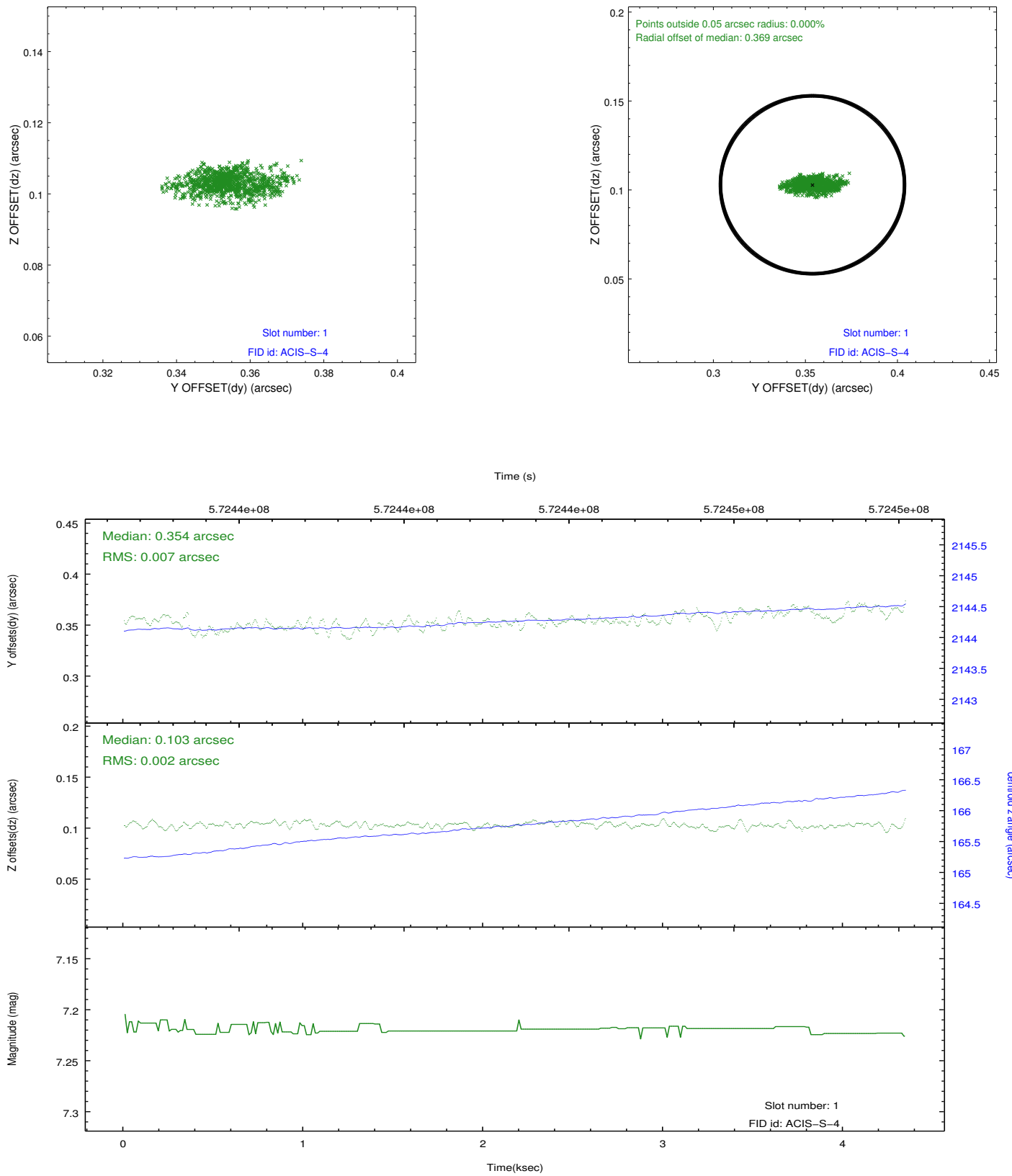


2.5 FID Slots

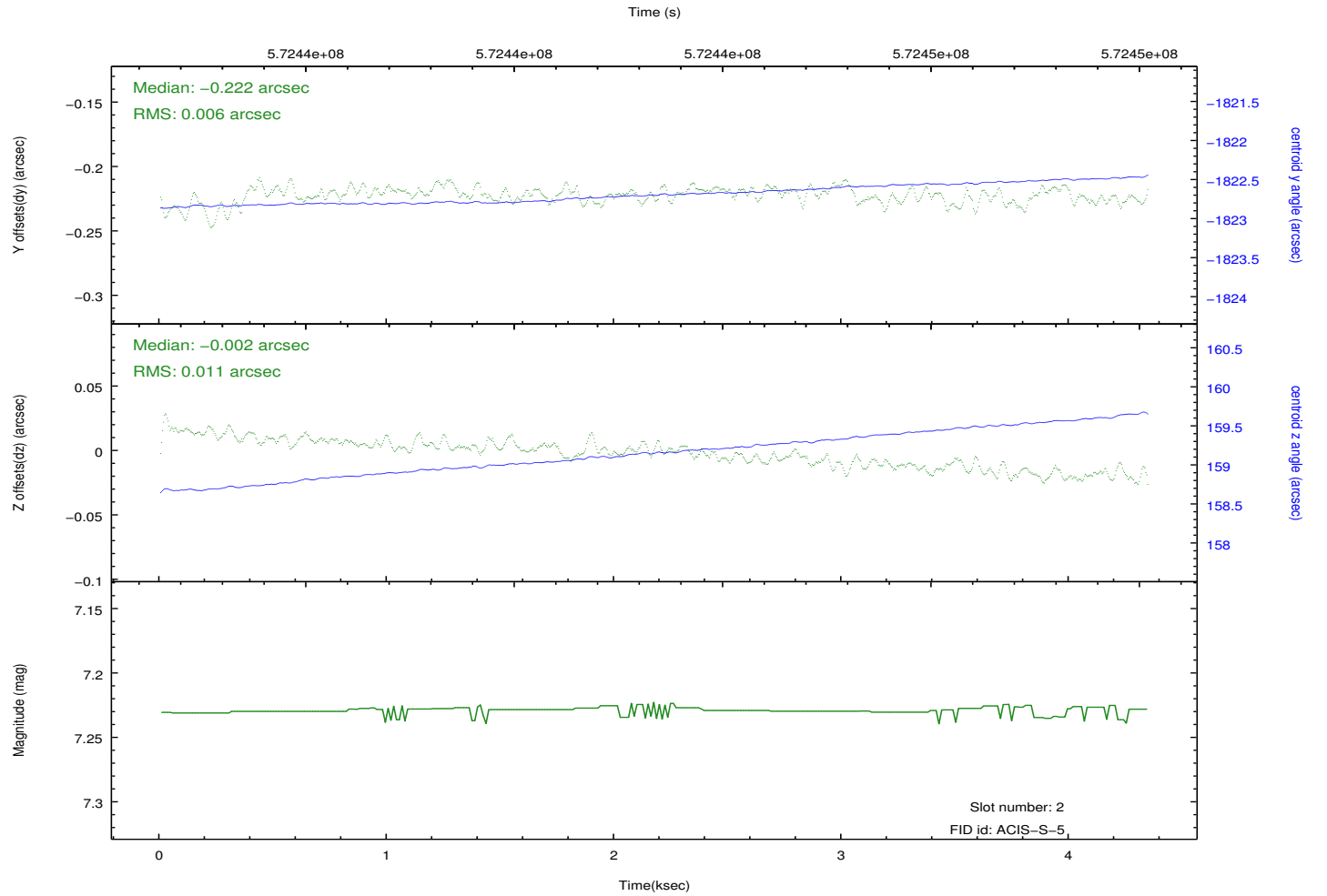
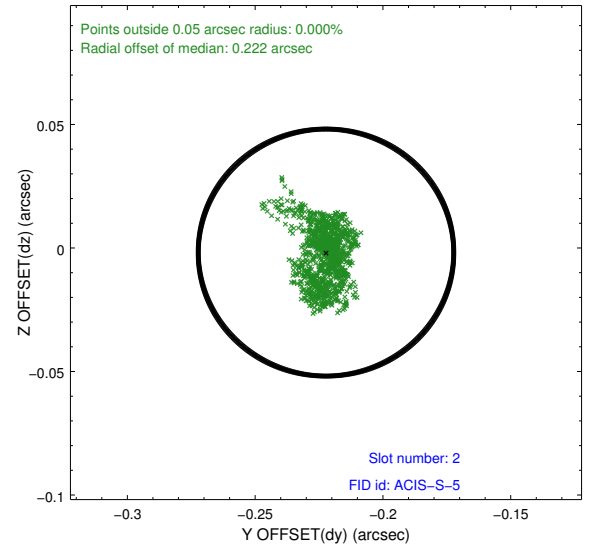
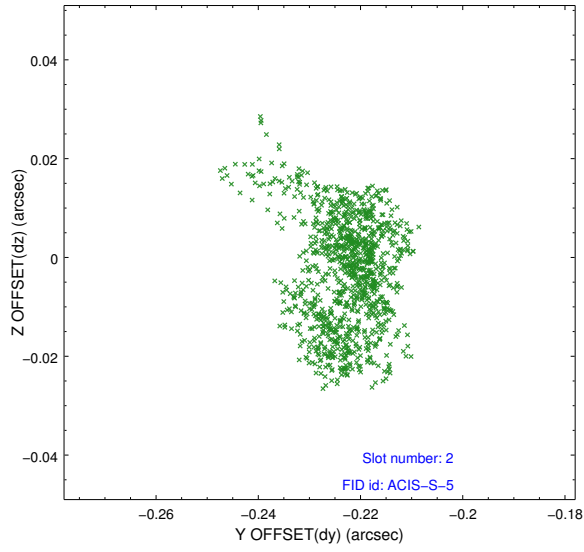
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3152000333071

A.2 Comments