

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18212 - L2 Version 1
Chandra X-Ray Center

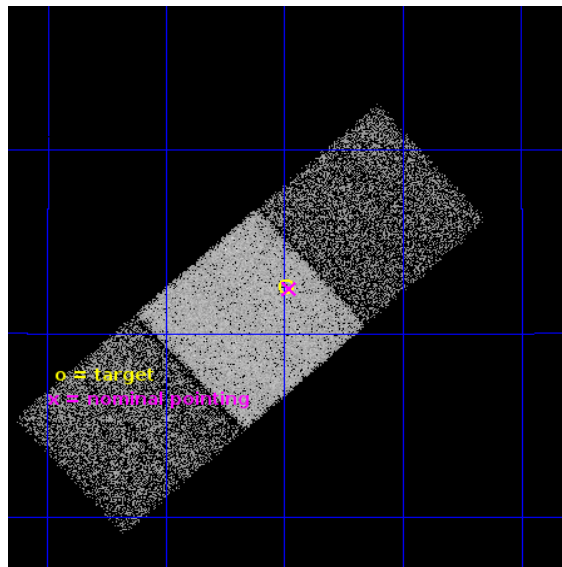
L2 Processing Date : Mar 9 2016

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1 Front

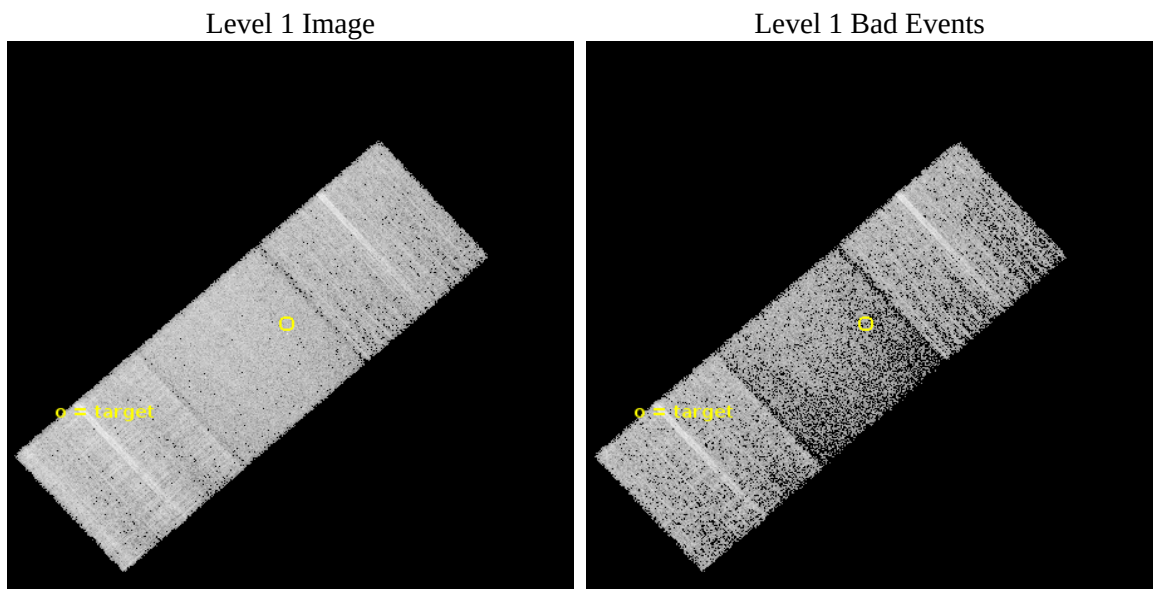
seq_num	703273	Sequence number
obs_id	18212	Observation id
title	Constraining X-ray Absorption in Emergent BAL Quasars	Proposal tit
observer	Dr. Paola Rodriguez Hidalgo	Principal investigator
object	SDSSJ124829.45+341231.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.1225	Observer's specified target RA [deg]
dec_targ	34.208694	Observer's specified target Dec [deg]
ra_nom	192.11964716011	Nominal RA [deg]
dec_nom	34.207347922785	Nominal Dec [deg]
roll_nom	137.88296078009	Nominal Roll [deg]
revision	1	Processing version of data
ontime	17077.16046381	Sum of GTIs [s]
livetime	16854.034790328	Livetime [s]
ontime6	17077.119423866	Sum of GTIs [s]
ontime7	17077.16046381	Sum of GTIs [s]
ontime8	17077.078383803	Sum of GTIs [s]
l2events	68372	Number of level 2 events



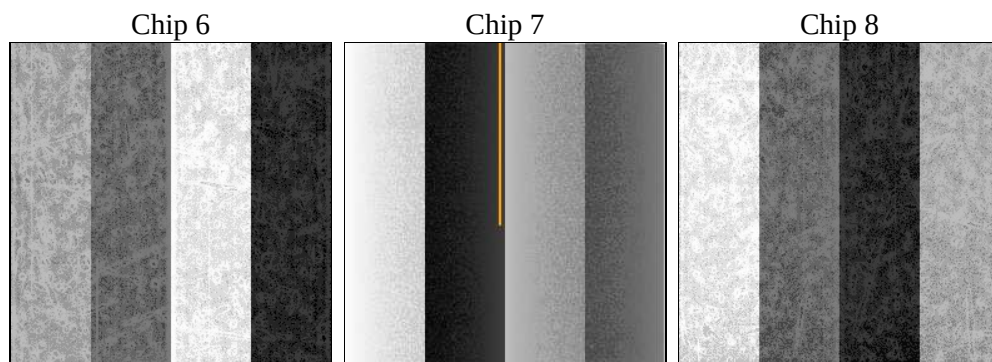
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	17077.16046381	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	17077.119423866	Sum of GTIs [s]
date	2016-03-09T10:15:09	Date and time of file creation	ontime7	17077.16046381	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	17077.078383803	Sum of GTIs [s]
			l1events	324356	Number of level 1 events

2.1.4 Events

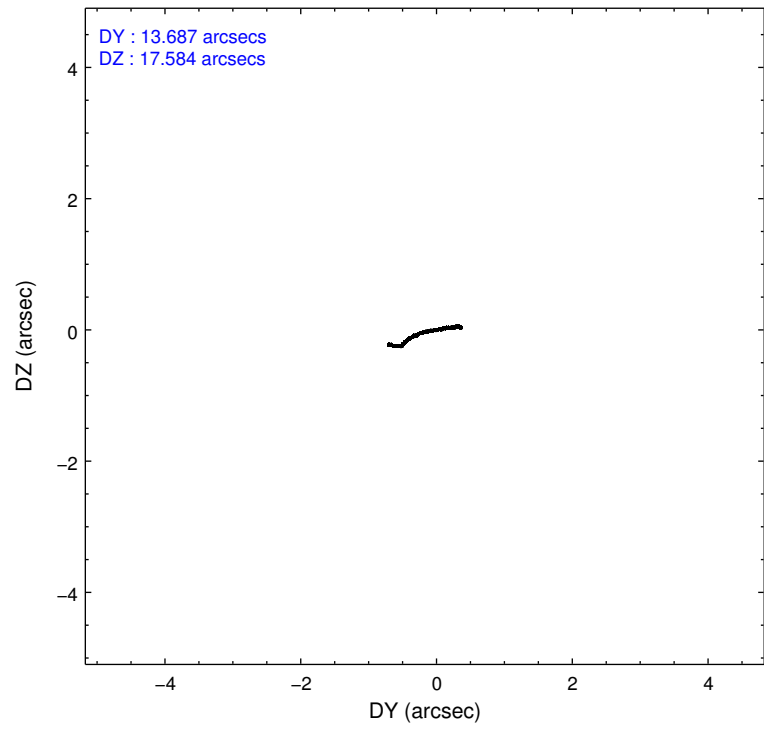
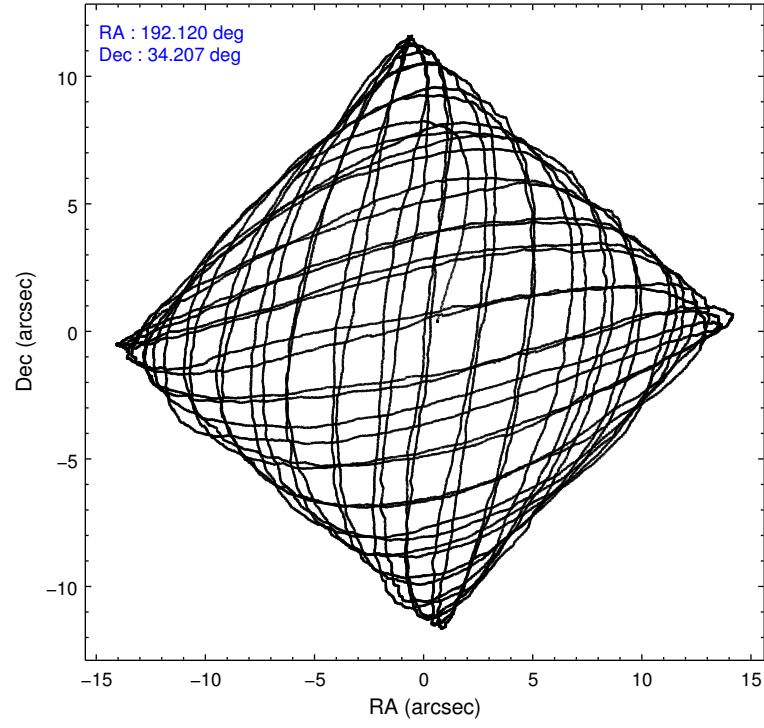
	ccd 6	ccd 7	ccd 8
level 1 events	93874	105529	124953
rejected events	83092	55966	90647
rejected %	88%	53%	72%

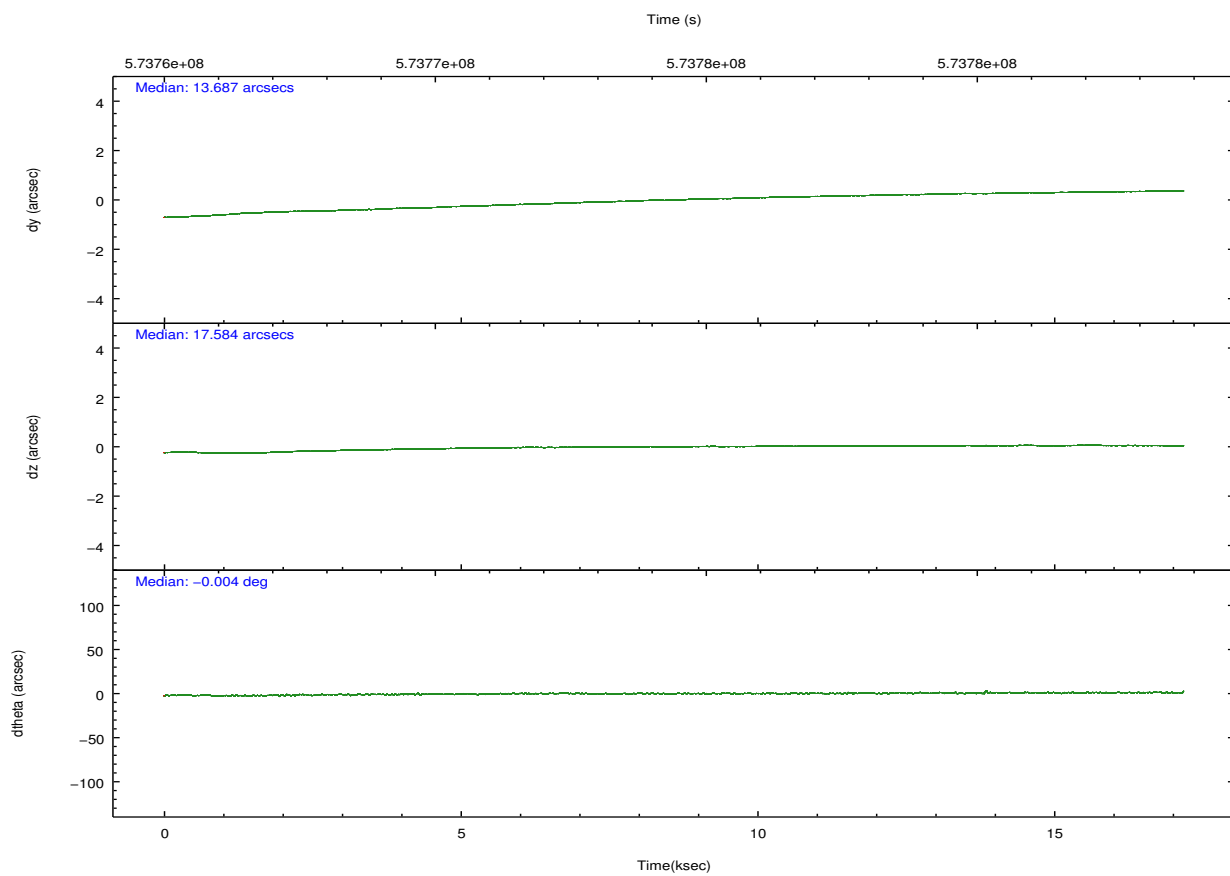
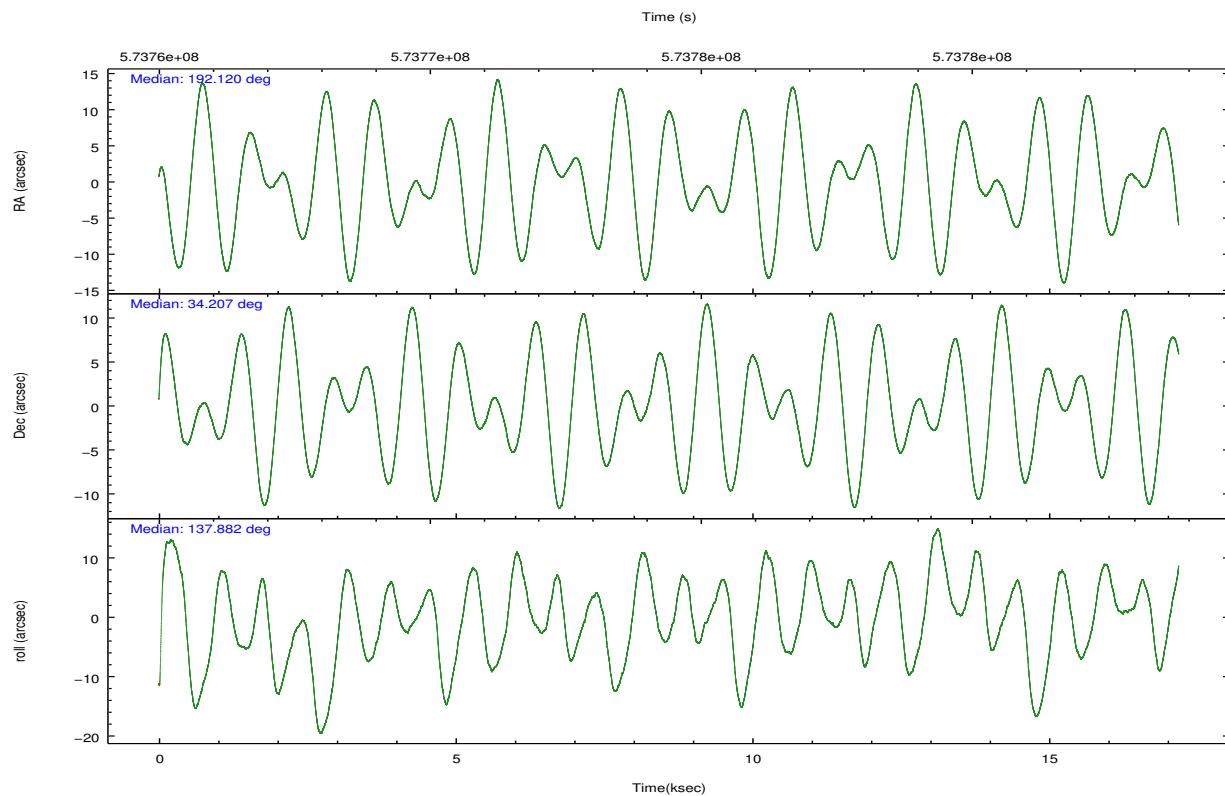
	ccd 6	ccd 7	ccd 8
grade 0 events	3757	4544	9302
	4%	4%	7%
grade 1 events	46	178	117
	0%	0%	0%
grade 2 events	2567	10831	8574
	2%	10%	6%
grade 3 events	1010	4030	3578
	1%	3%	2%
grade 4 events	985	3921	3316
	1%	3%	2%
grade 5 events	3760	10684	6049
	4%	10%	4%
grade 6 events	2466	26243	9536
	2%	24%	7%
grade 7 events	79283	45098	84481
	84%	42%	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	192.152189	192.1196471601143	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.201929	34.20734792278486	Alternating exposures requested	N	N
[deg] Pointing Roll	137.708064	137.8829607800937	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	573765998.184000	573764599.39103			
Observation start date	2016-03-07T19:25:30	2016-03-07T19:03:19			
[s] Observation end time (MET)	573782998.184000	573783274.3796			
Observation end date	2016-03-08T00:08:50	2016-03-08T00:14:34			
Read mode	TIMED	TIMED			

2.3 Aspect



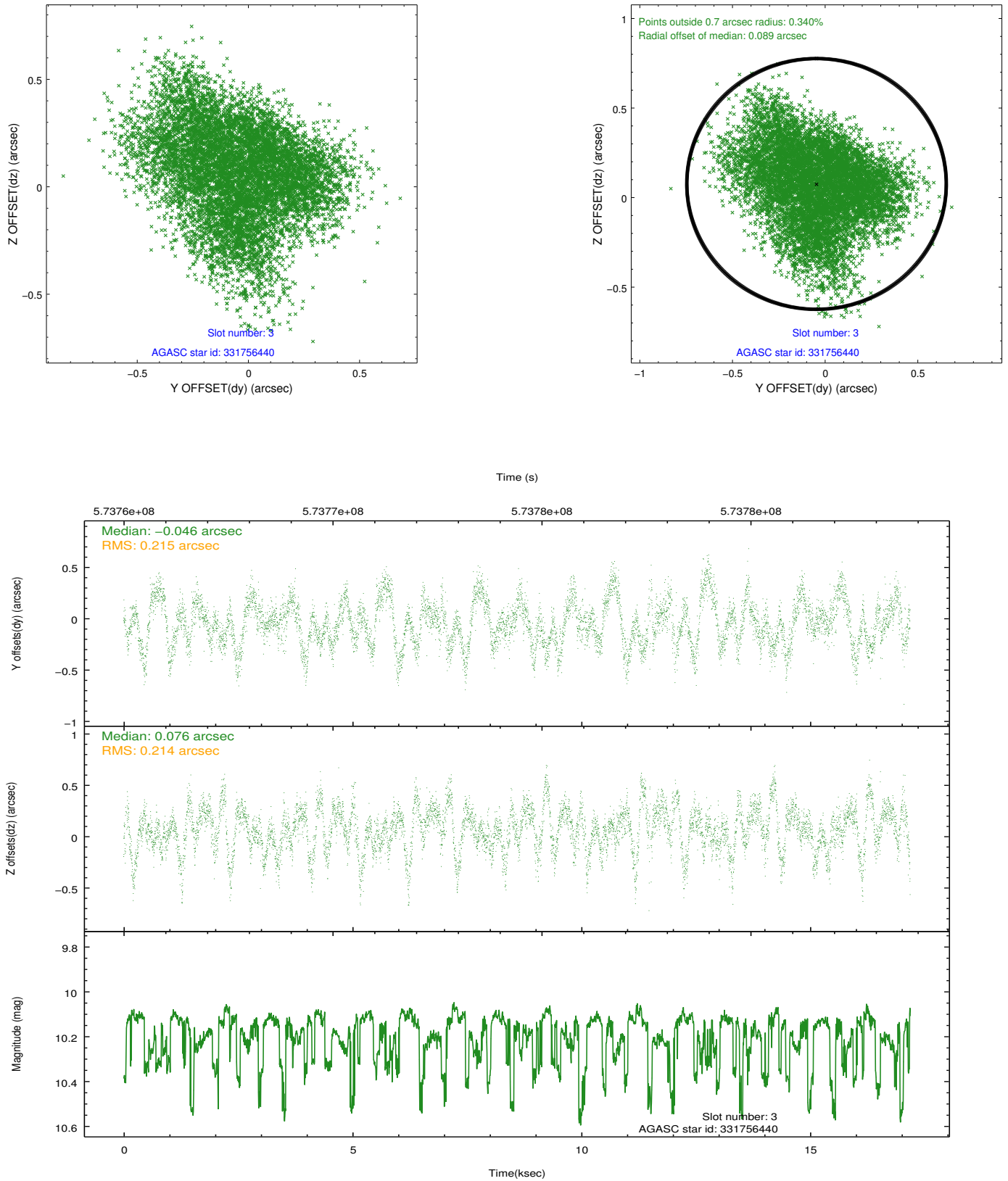


Slot Statistics

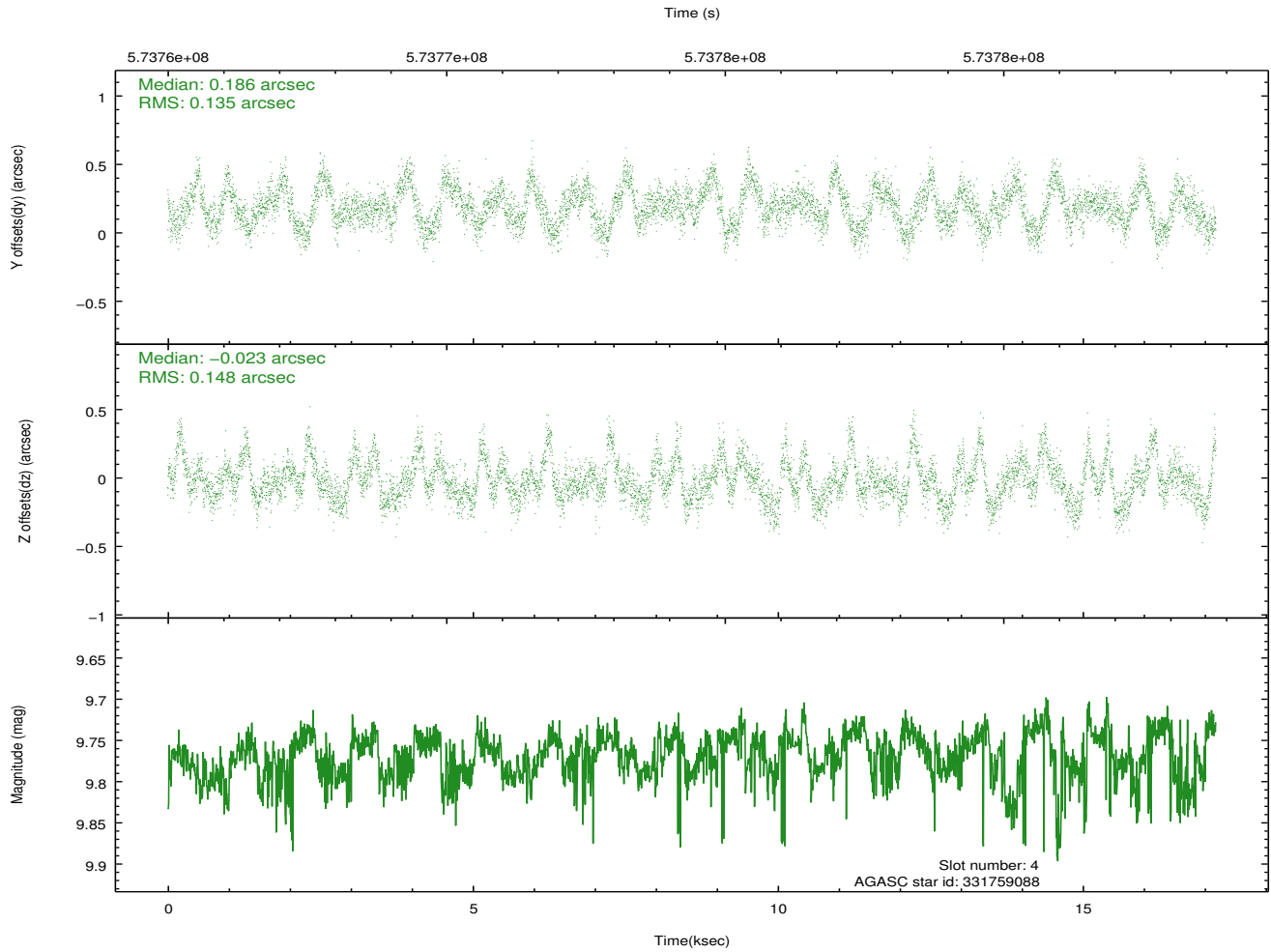
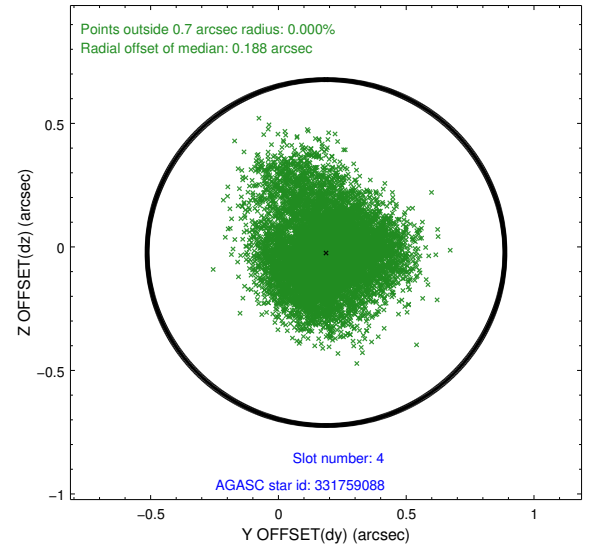
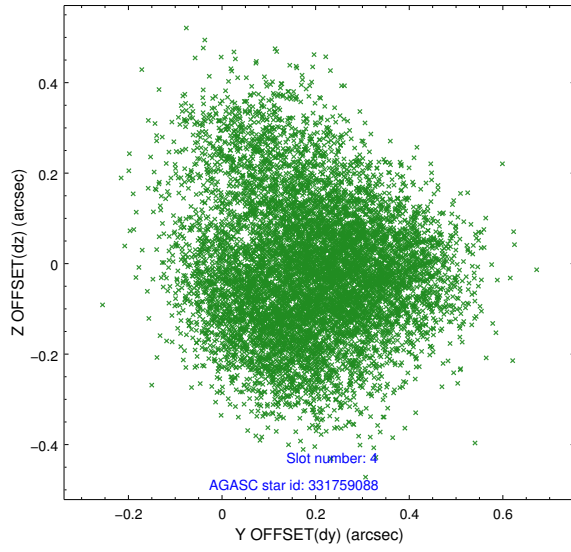
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	4192	-0.140	-0.139	0.019	0.032	0.000000	0.000000	-766.71	-1739.13
1	FID		ACIS-S-4	7.21	4191	0.440	0.104	0.020	0.038	0.000000	0.000000	2147.04	169.33
2	FID		ACIS-S-5	7.23	4190	-0.332	0.043	0.008	0.015	0.000000	0.000000	-1819.42	163.23
3	GUIDE	used	331756440	10.19	8245	-0.046	0.076	0.328	0.508	192.573614	33.713196	-2115.79	450.78
4	GUIDE	used	331759088	9.77	8374	0.186	-0.023	0.216	0.343	192.386922	33.514309	-2186.52	1356.93
5	GUIDE	used	332018824	9.76	8370	-0.341	-0.183	0.283	0.486	191.216902	34.218618	2107.95	1820.14
6	GUIDE	used	332020592	9.00	8381	0.187	0.138	0.133	0.247	192.438730	34.242562	-531.14	-682.11
7	GUIDE	used	332022424	7.73	8382	0.004	-0.032	0.117	0.181	192.257725	33.780494	-1254.03	910.64

2.4 Star Slots

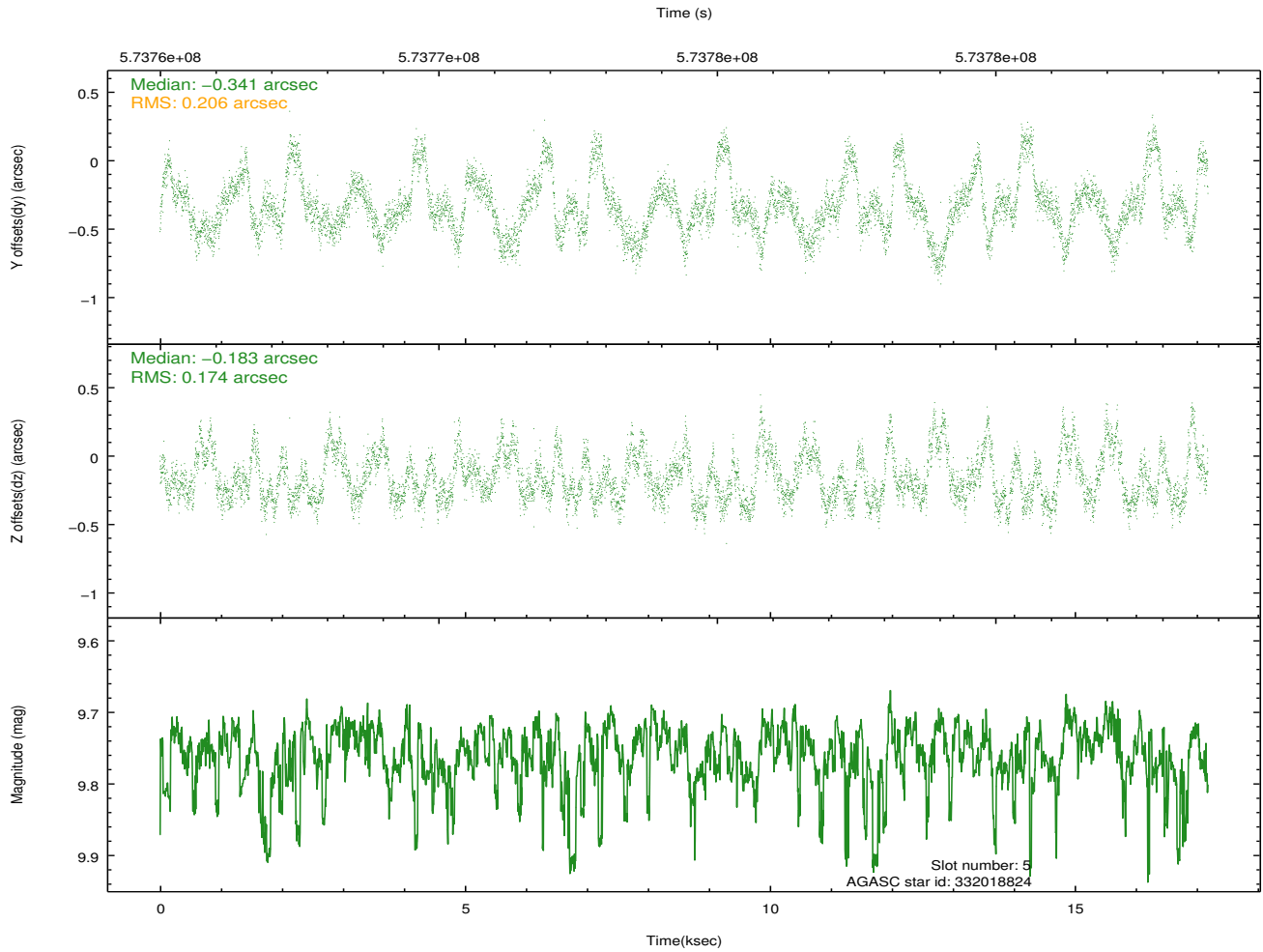
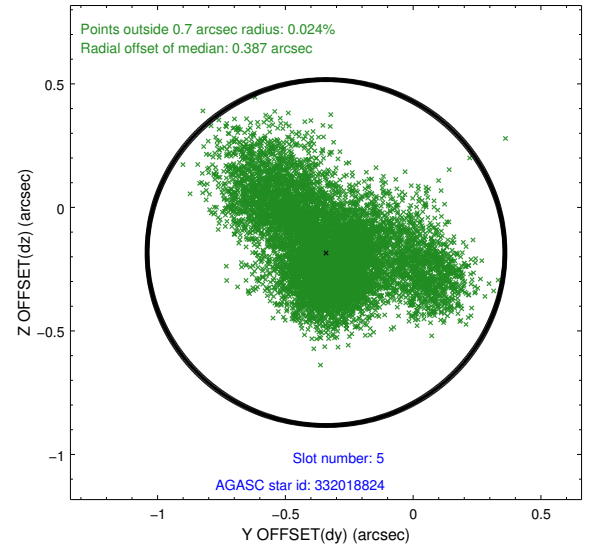
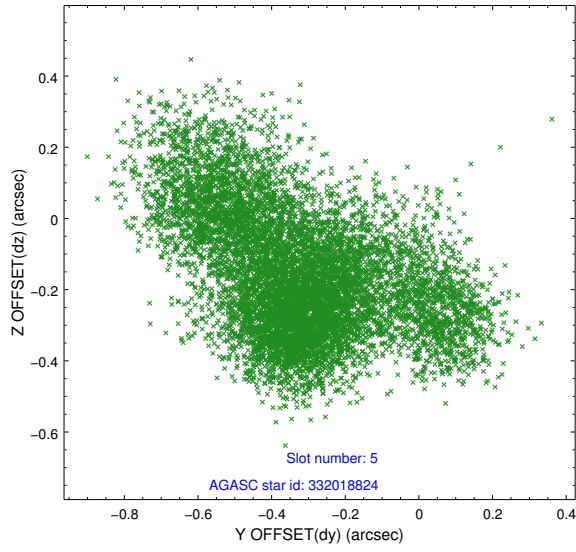
2.4.1 Slot 3



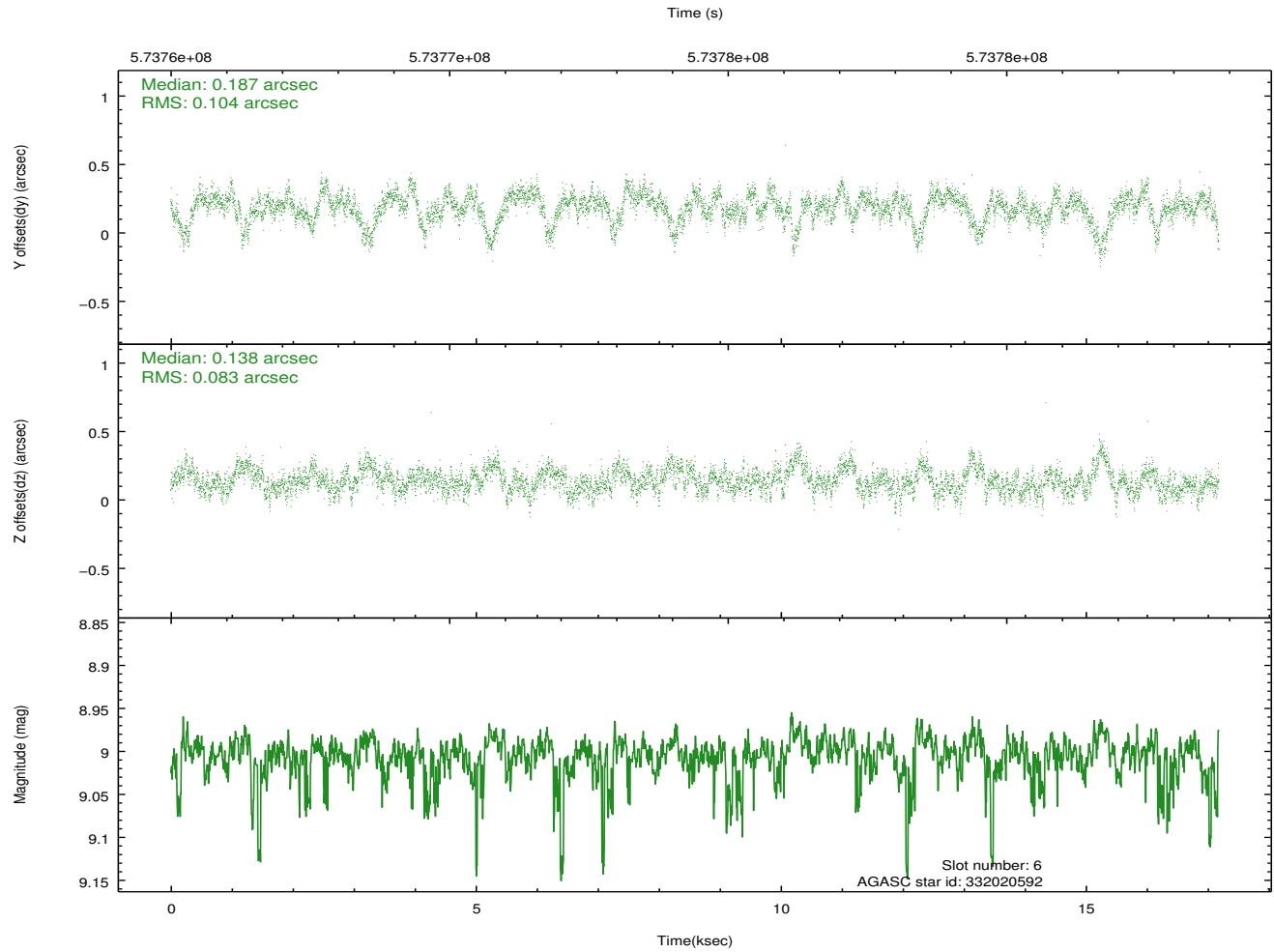
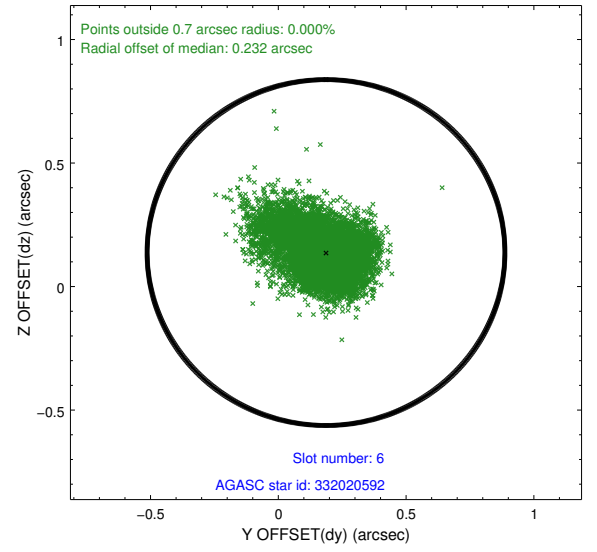
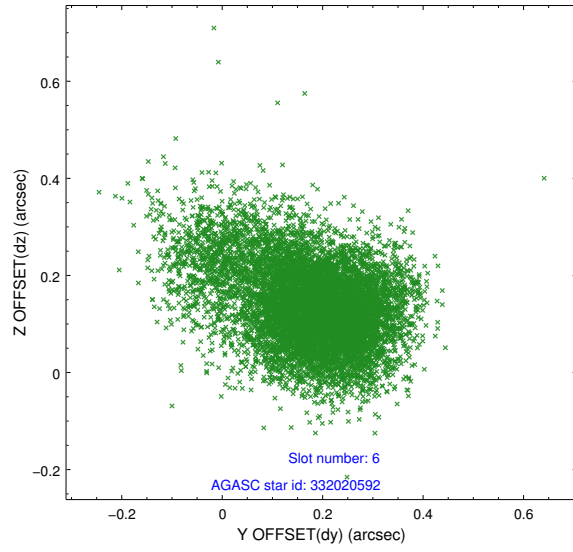
2.4.2 Slot 4



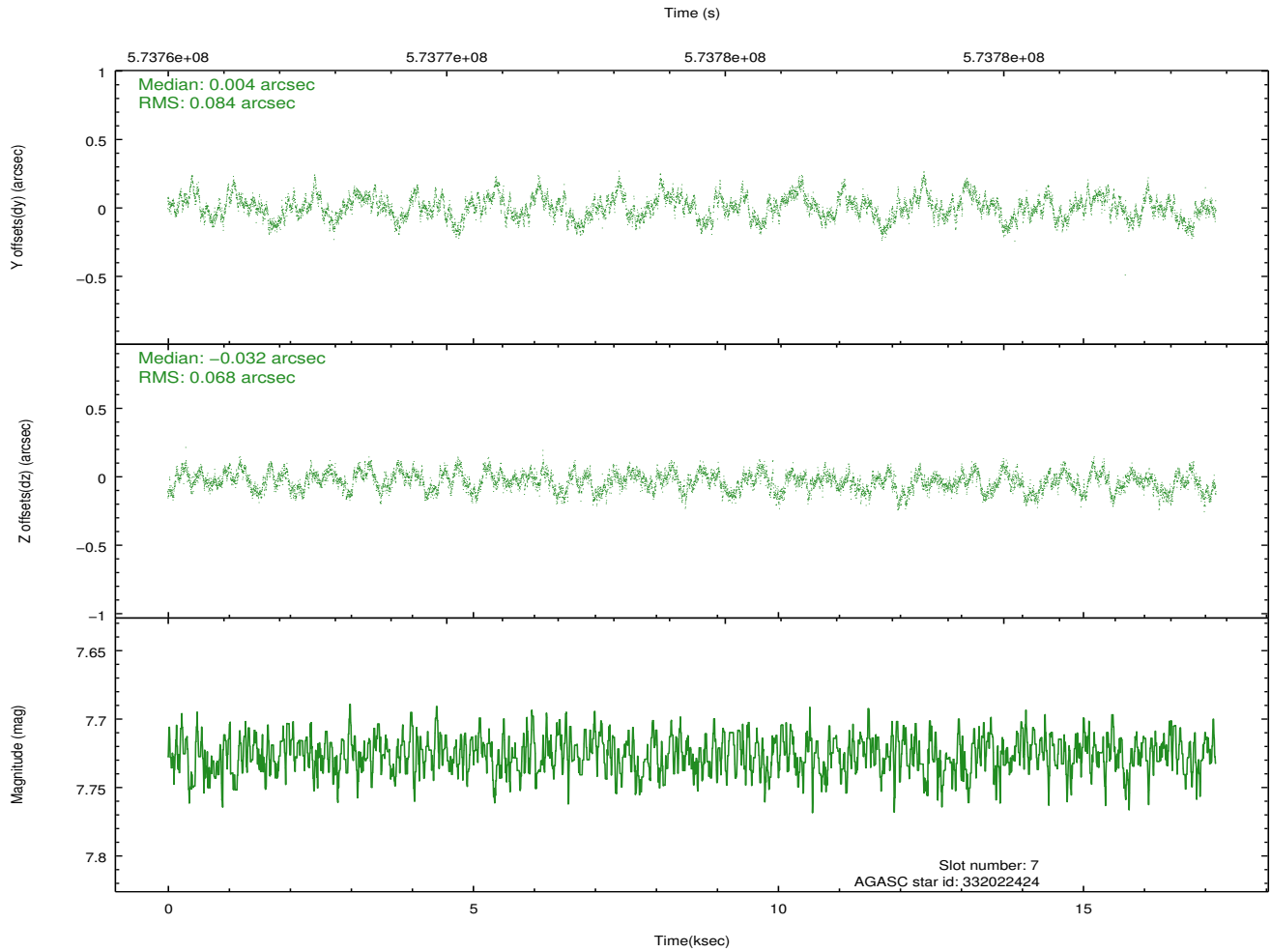
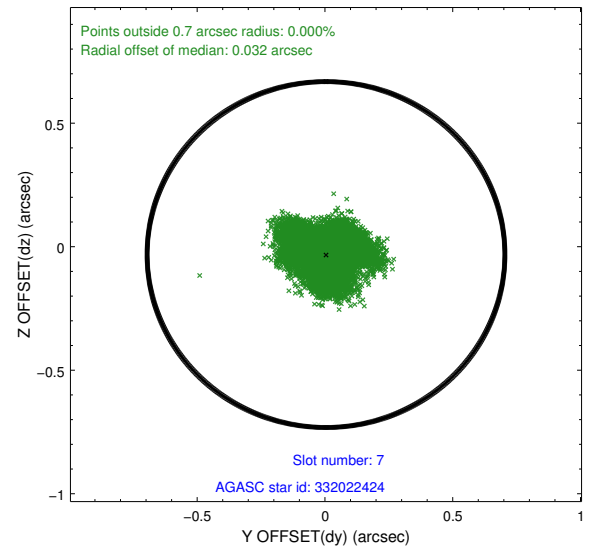
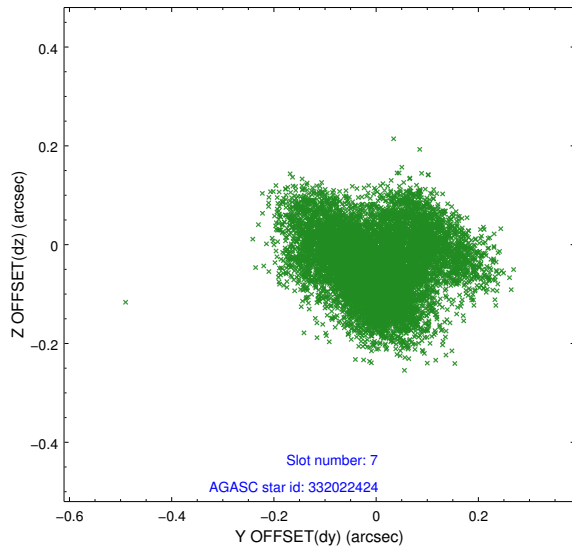
2.4.3 Slot 5



2.4.4 Slot 6

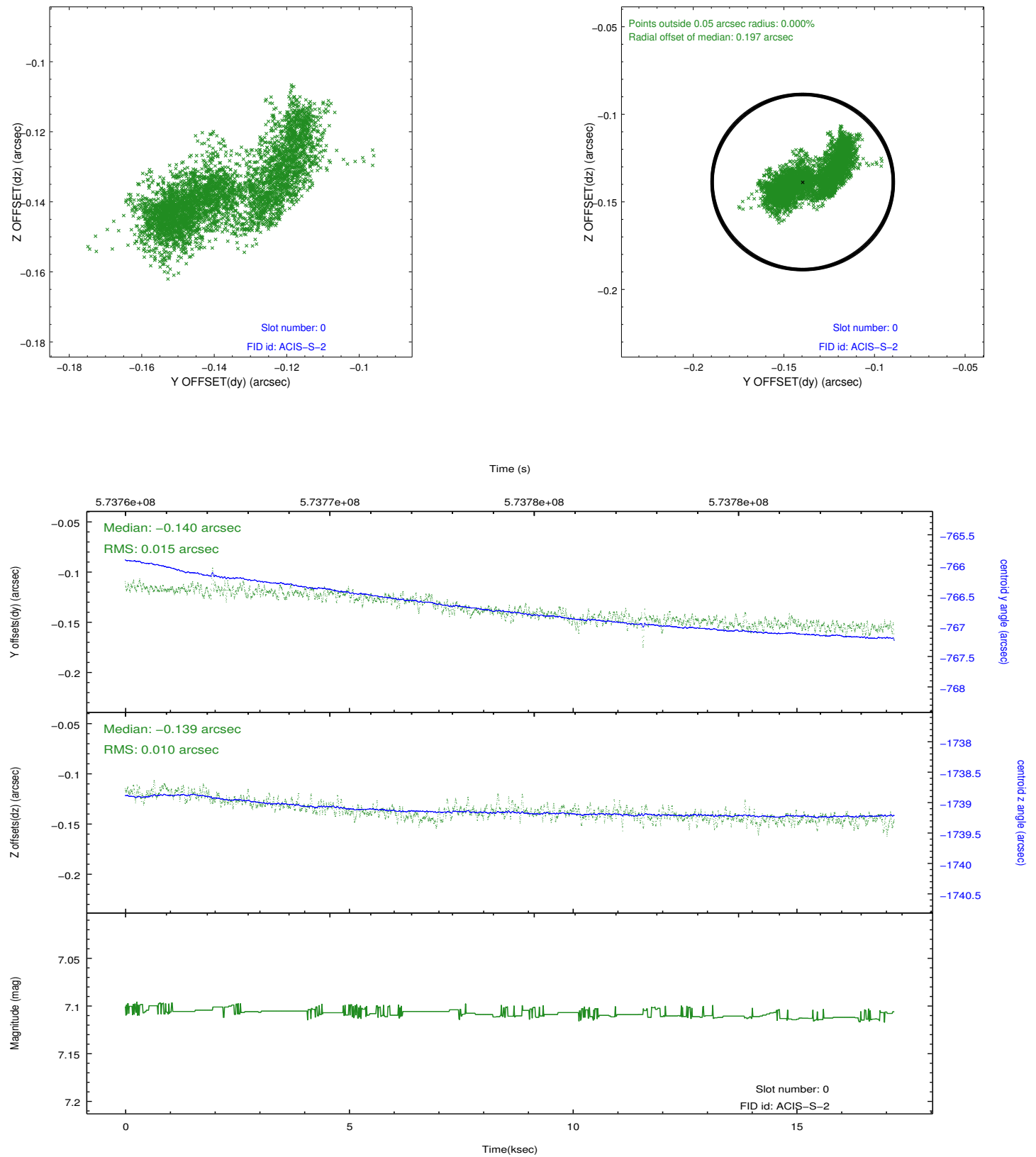


2.4.5 Slot 7

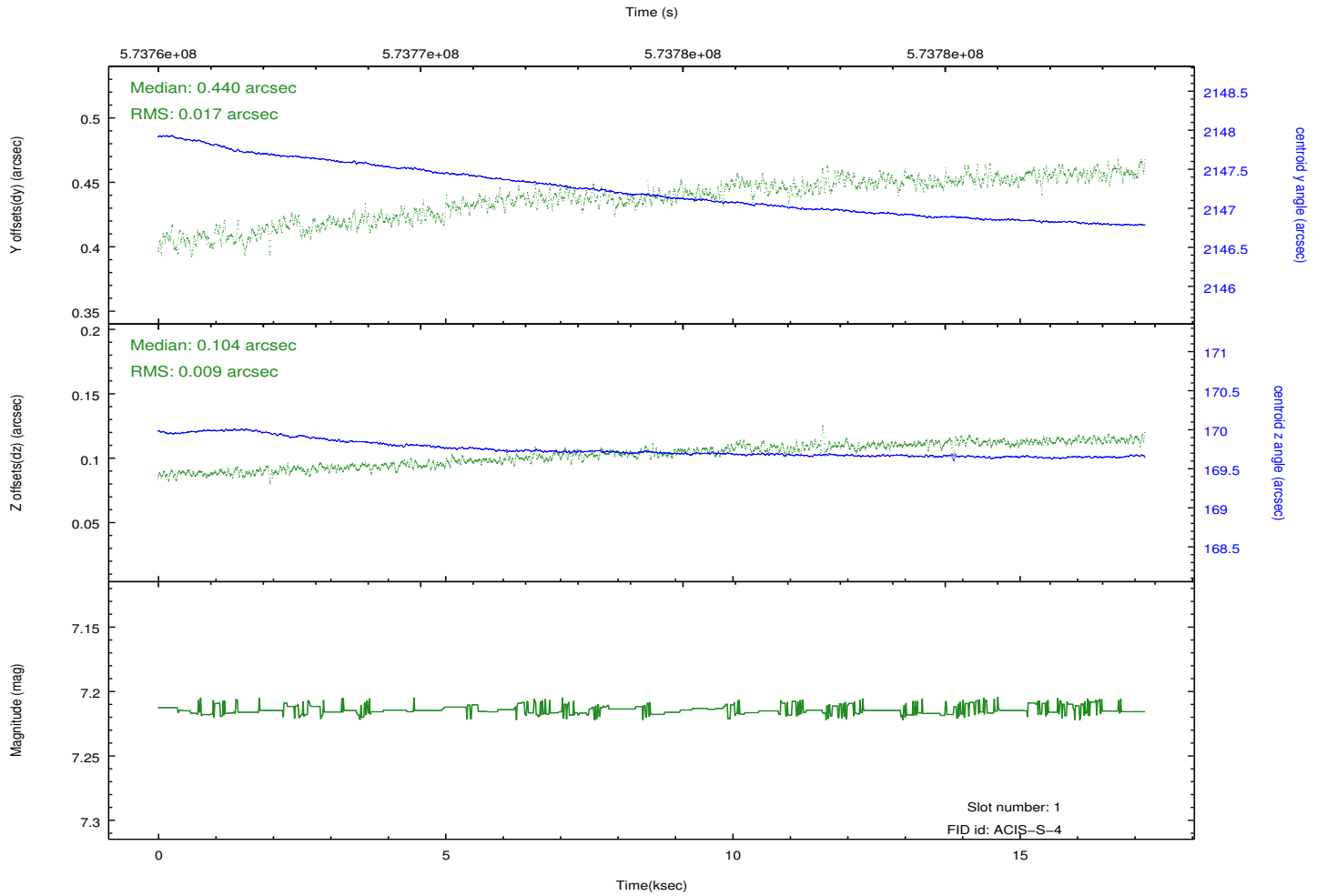
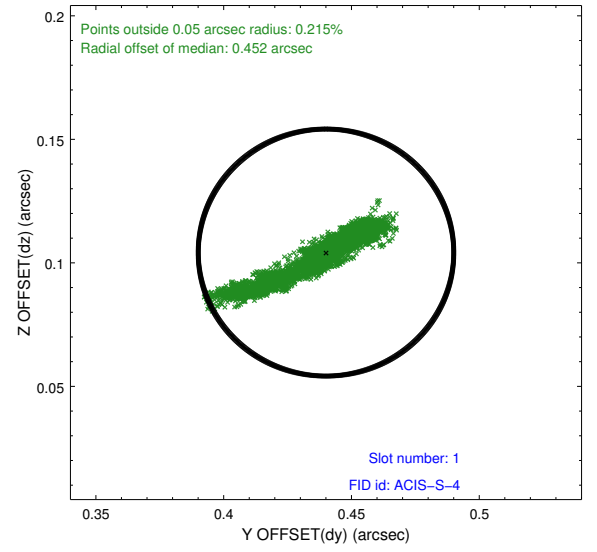
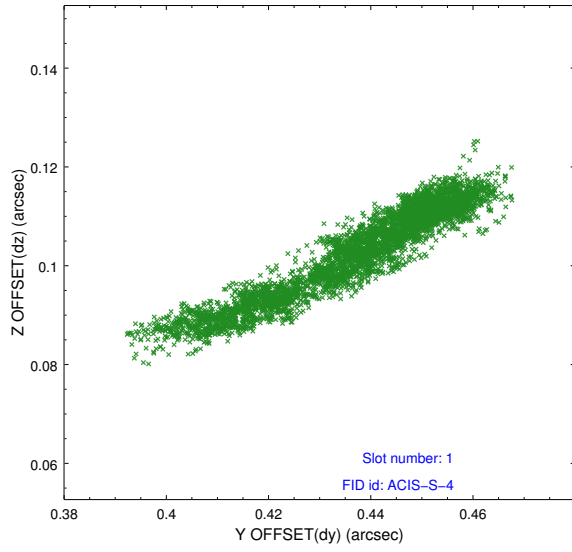


2.5 FID Slots

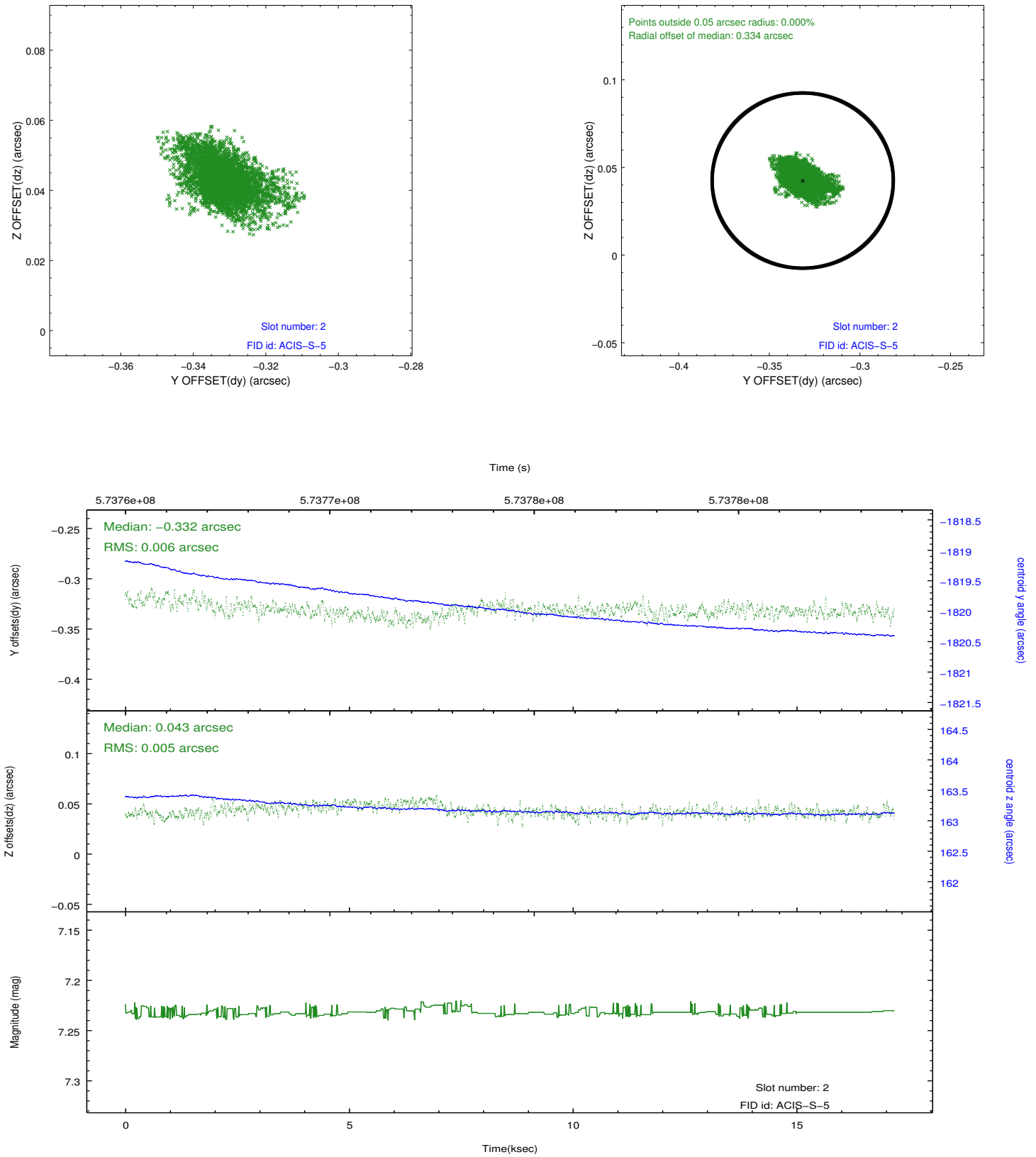
2.5.1 Slot 0



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)	2016.03.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.07716046381

A.2 Comments