

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18213 - L2 Version 1
Chandra X-Ray Center

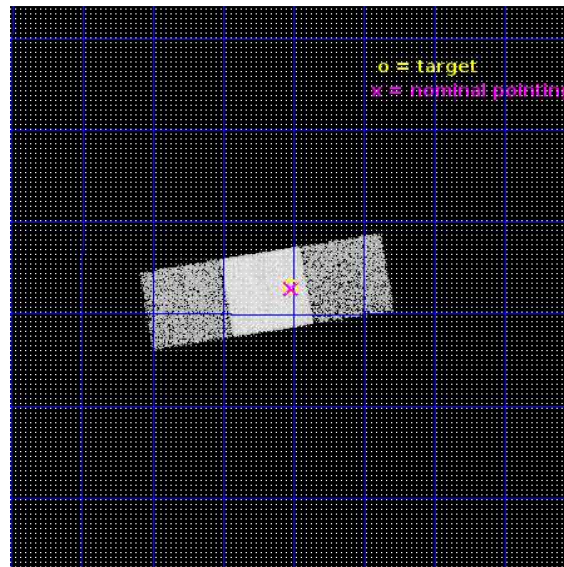
L2 Processing Date : Aug 8 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

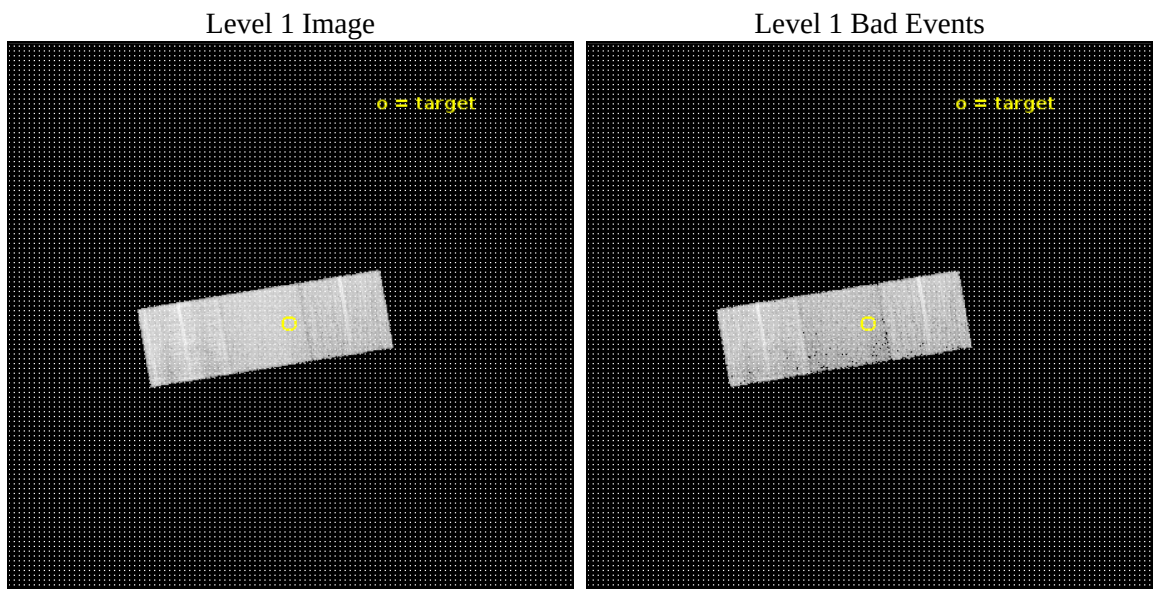
seq_num	703274	Sequence number
obs_id	18213	Observation id
title	Constraining X-ray Absorption in Emergent BAL Quasars	Proposal tit
observer	Dr. Paola Rodriguez Hidalgo	Principal investigator
object	SDSSJ213231.09+101254.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	323.129583	Observer's specified target RA [deg]
dec_targ	10.215028	Observer's specified target Dec [deg]
ra_nom	323.12881940113	Nominal RA [deg]
dec_nom	10.21260769672	Nominal Dec [deg]
roll_nom	170.35081687669	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12079.879175305	Sum of GTIs [s]
livetime	11922.046660802	Livetime [s]
ontime6	12079.838135362	Sum of GTIs [s]
ontime7	12079.879175305	Sum of GTIs [s]
ontime8	12079.797095299	Sum of GTIs [s]
l2events	51215	Number of level 2 events



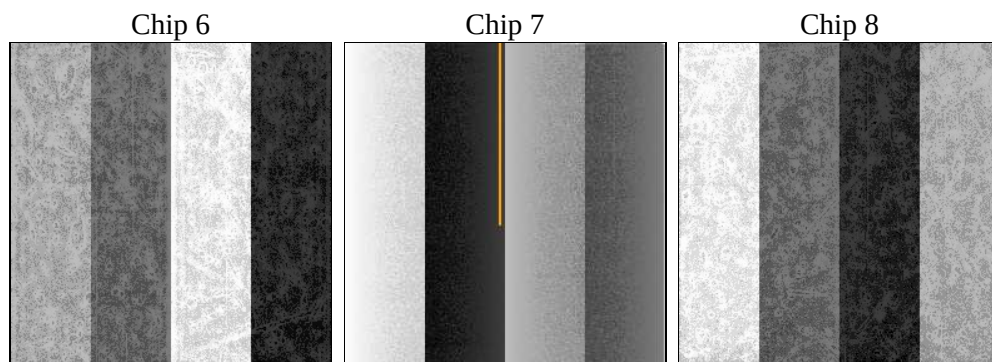
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	12079.879175305	Sum of GTIs [s]
caldbver	4.7.2	 	ontime6	12079.838135362	Sum of GTIs [s]
date	2016-08-09T02:52:38	Date and time of file creation	ontime7	12079.879175305	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	12079.797095299	Sum of GTIs [s]
			l1events	236758	Number of level 1 events

2.1.4 Events

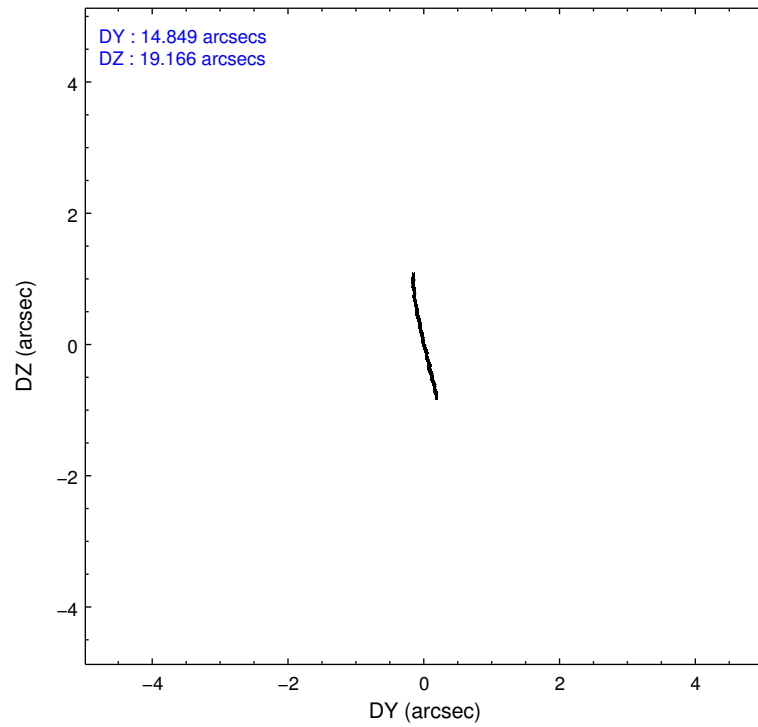
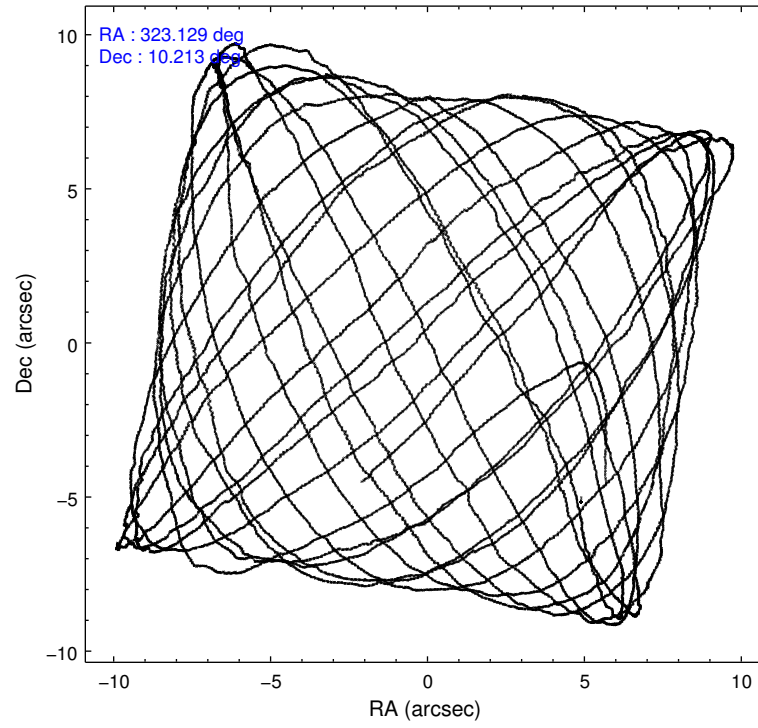
	ccd 6	ccd 7	ccd 8
level 1 events	66681	78863	91214
rejected events	58783	41346	65928
rejected %	88%	52%	72%

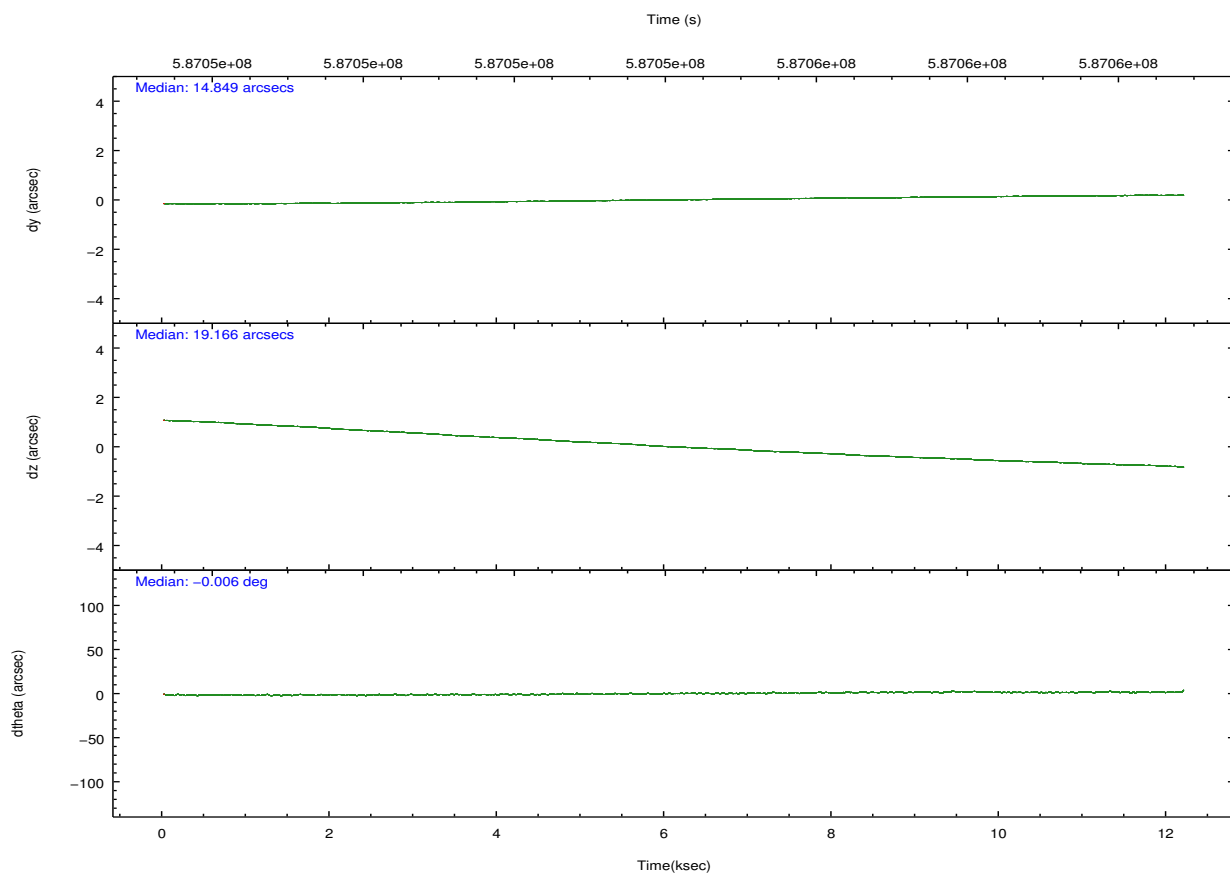
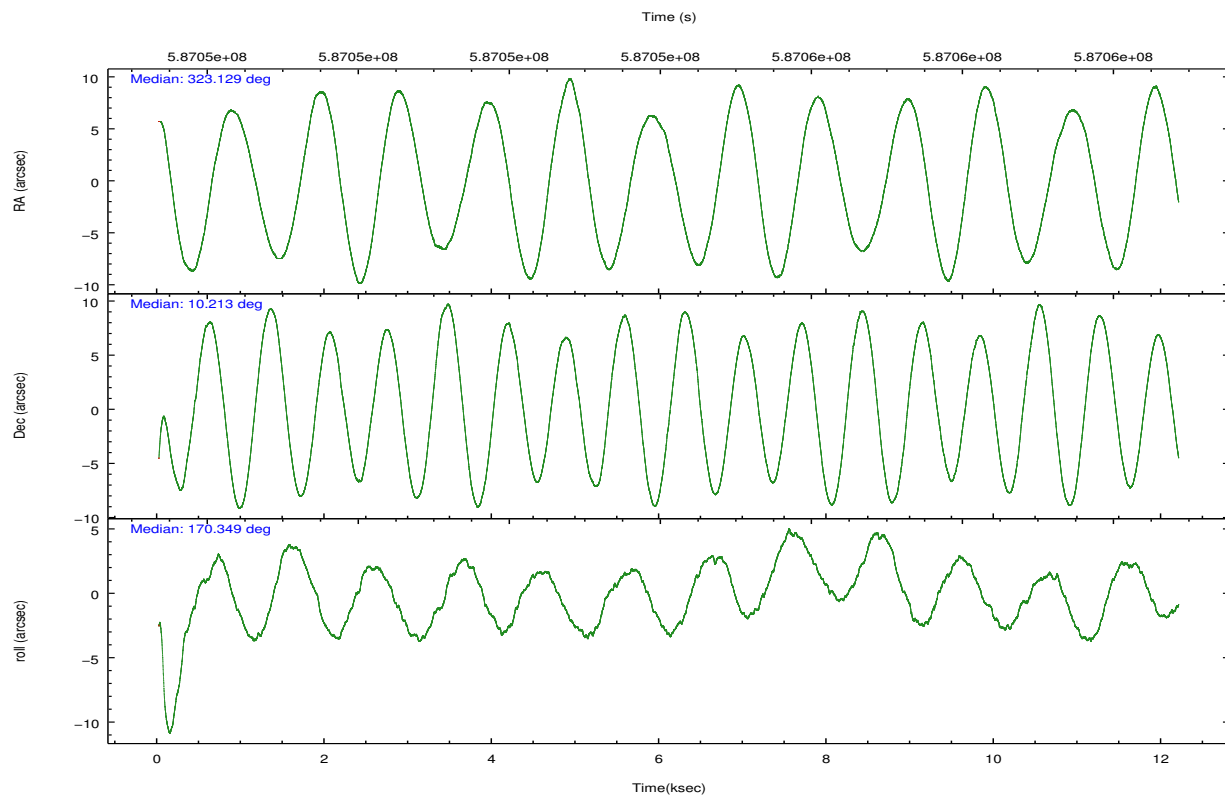
	ccd 6	ccd 7	ccd 8
grade 0 events	2780	3522	7338
	4%	4%	8%
grade 1 events	23	127	81
	0%	0%	0%
grade 2 events	1821	8344	6097
	2%	10%	6%
grade 3 events	812	3119	2843
	1%	3%	3%
grade 4 events	795	3156	2605
	1%	4%	2%
grade 5 events	2918	8248	4566
	4%	10%	5%
grade 6 events	1693	19385	6406
	2%	24%	7%
grade 7 events	55839	32962	61278
	83%	41%	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	323.154824	323.1288194011328	Subarray requested	NONE	NONE
[deg] Pointing Dec	10.222509	10.21260769672027	Alternating exposures requested	N	N
[deg] Pointing Roll	170.189564	170.3508168766861	[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)	587048218.184000	587047081.61378			
Observation start date	2016-08-08T12:55:50	2016-08-08T12:38:01			
[s] Observation end time (MET)	587060218.184000	587061234.30209			
Observation end date	2016-08-08T16:15:50	2016-08-08T16:33:54			
Read mode	TIMED	TIMED			

2.3 Aspect



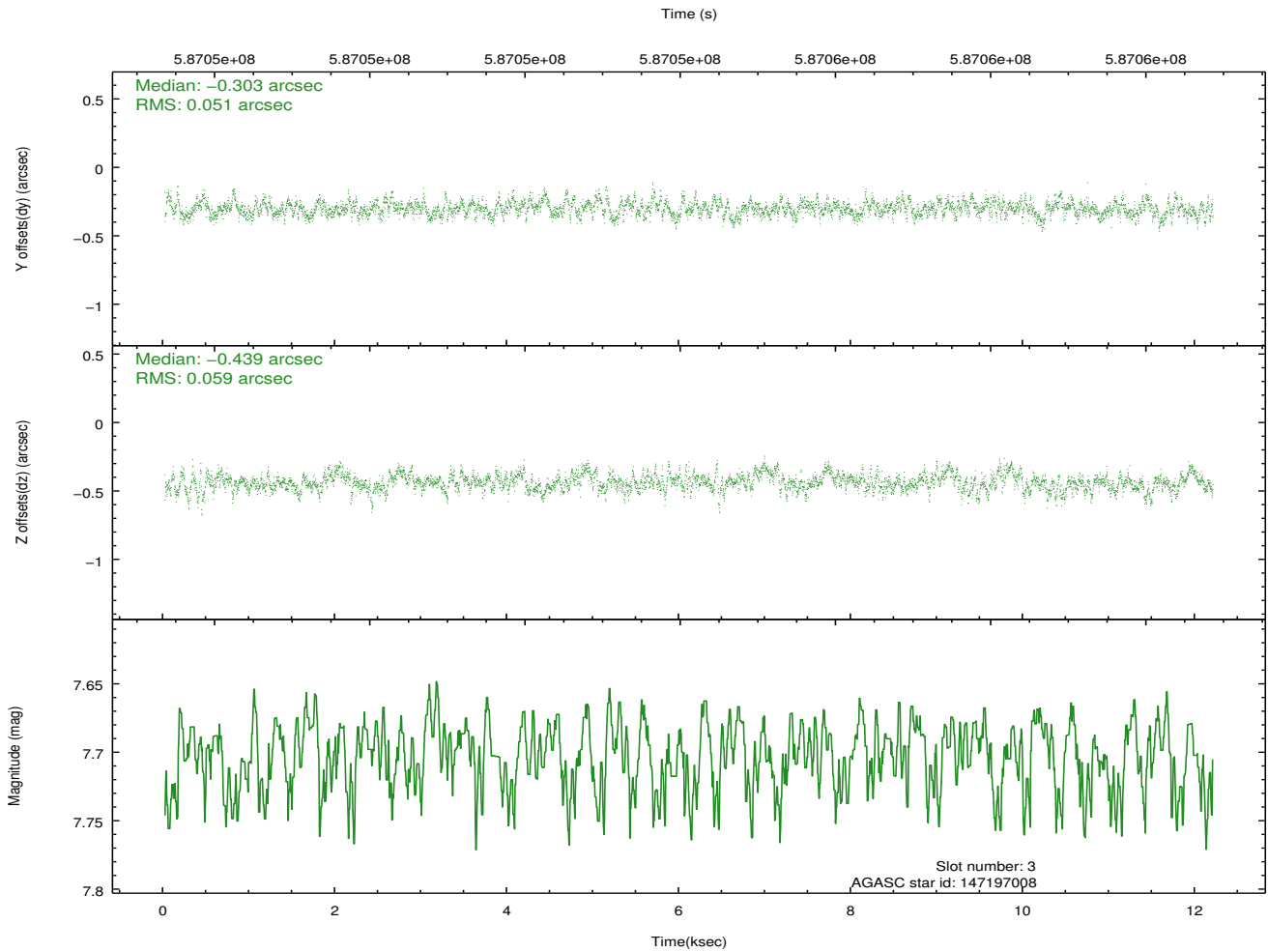
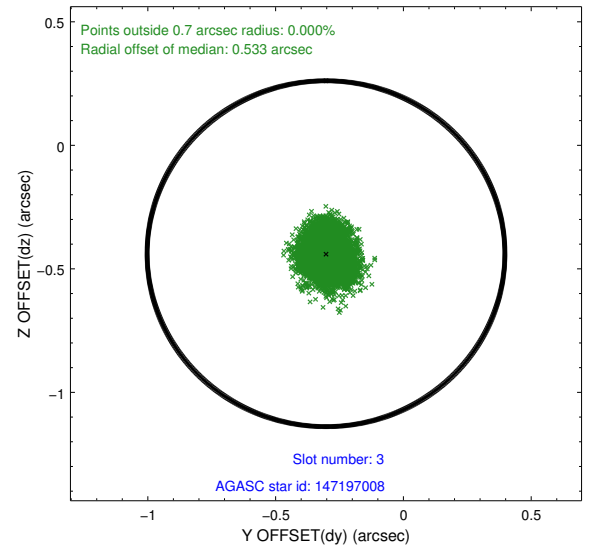
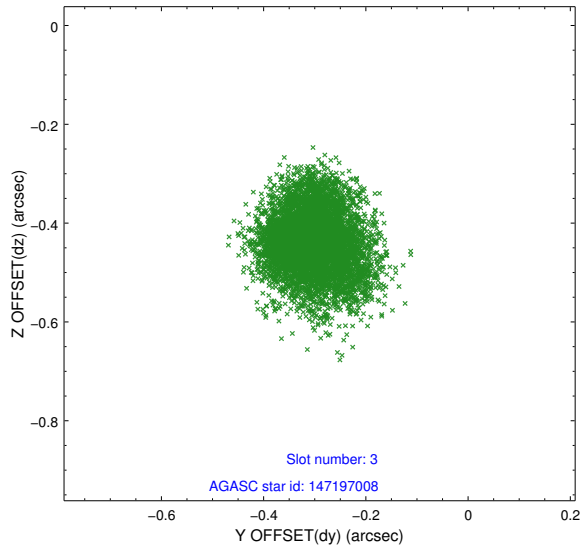


Slot Statistics

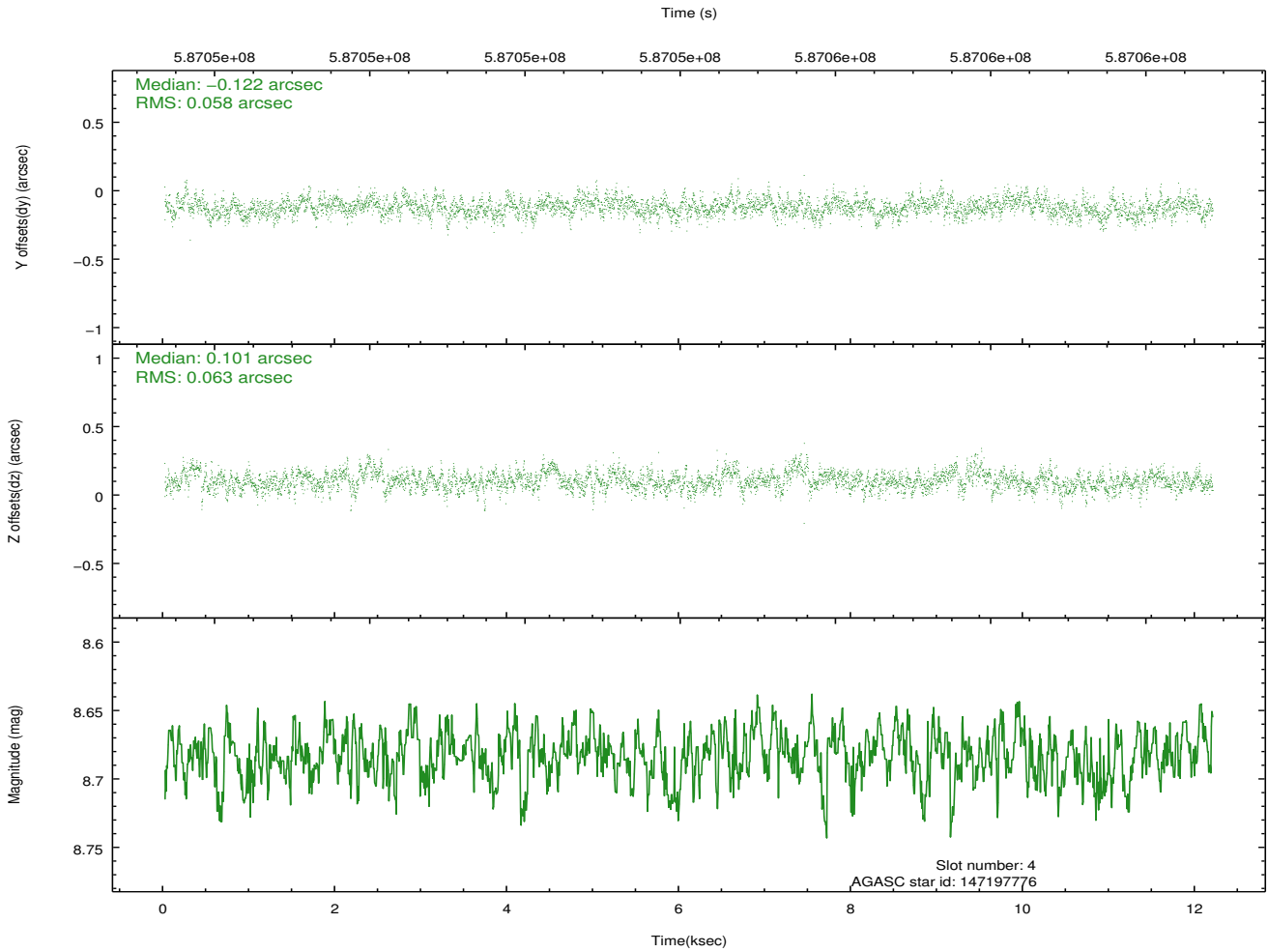
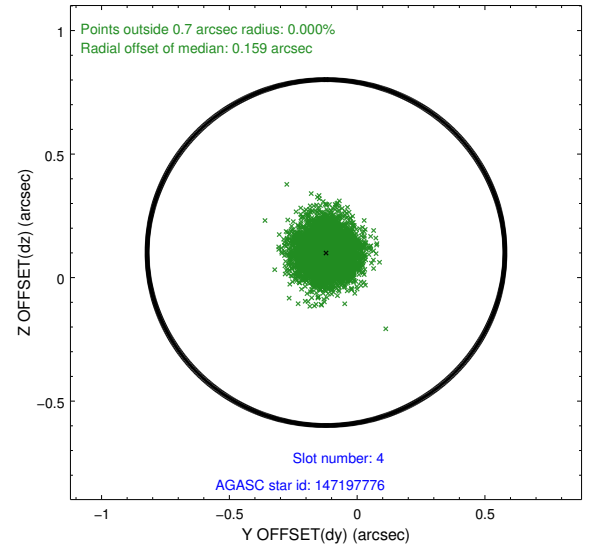
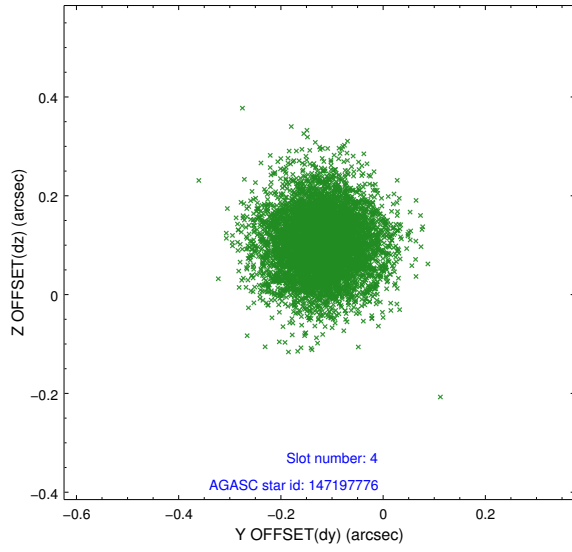
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.02	2974	0.009	0.006	0.018	0.040	0.000000	0.000000	928.25	-1736.28
1	FID		ACIS-S-4	7.03	2974	0.303	-0.005	0.016	0.034	0.000000	0.000000	2146.14	167.47
2	FID		ACIS-S-5	7.04	2974	-0.338	0.011	0.008	0.014	0.000000	0.000000	-1820.48	161.47
3	GUIDE	used	147197008	7.70	5947	-0.303	-0.439	0.083	0.136	322.723767	10.156675	1465.30	492.85
4	GUIDE	used	147197776	8.68	5942	-0.122	0.101	0.091	0.147	322.652852	10.368513	1841.69	-216.18
5	GUIDE	used	147198944	8.32	5946	0.120	0.179	0.085	0.135	323.609093	10.434680	-1453.46	-1027.52
6	GUIDE	used	147202680	7.54	5946	0.164	0.153	0.083	0.145	323.471808	10.682389	-822.28	-1822.82
7	GUIDE	used	147197192	8.67	5938	0.141	0.000	0.114	0.202	322.623233	10.899938	2268.26	-2084.57

2.4 Star Slots

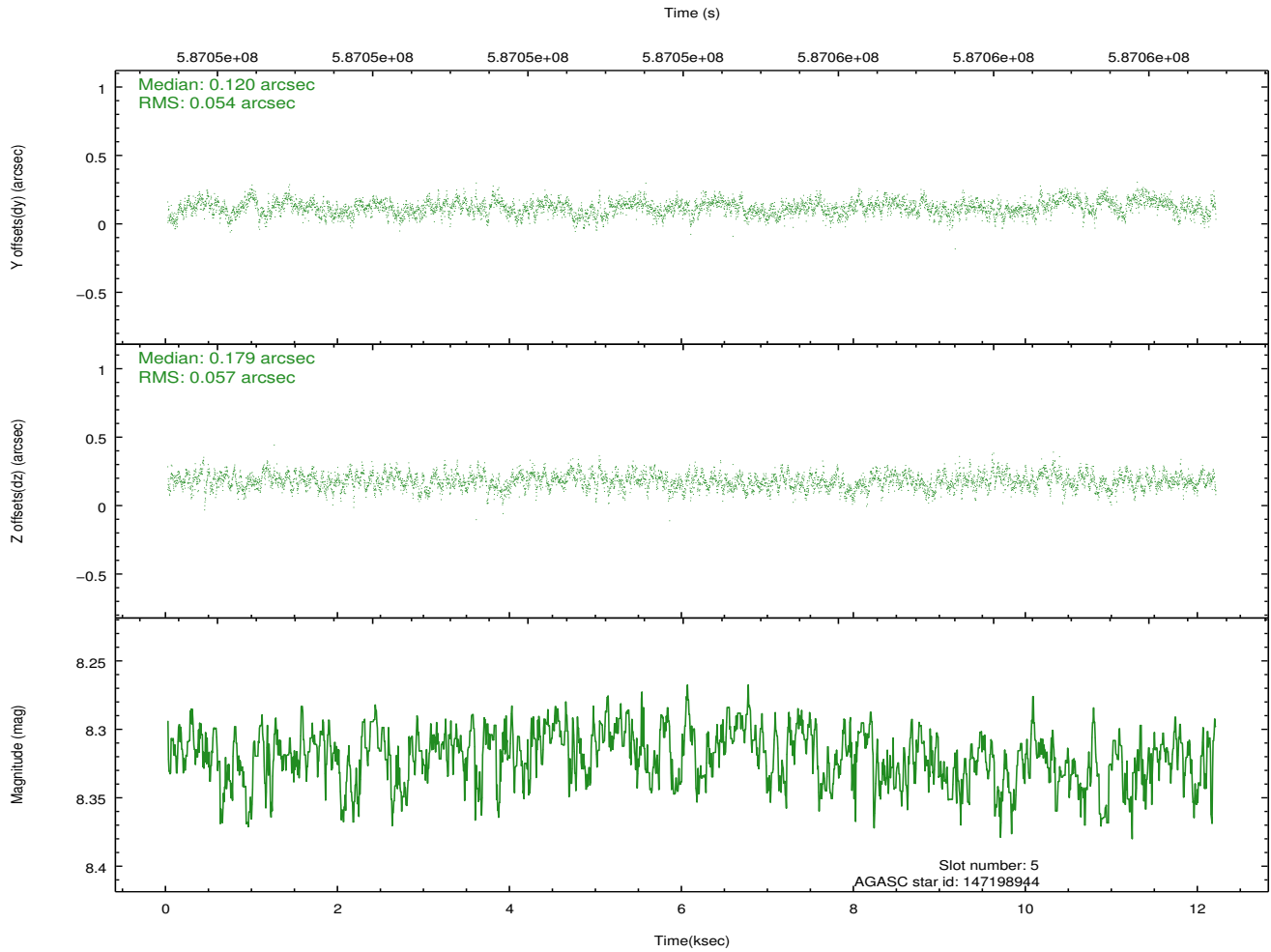
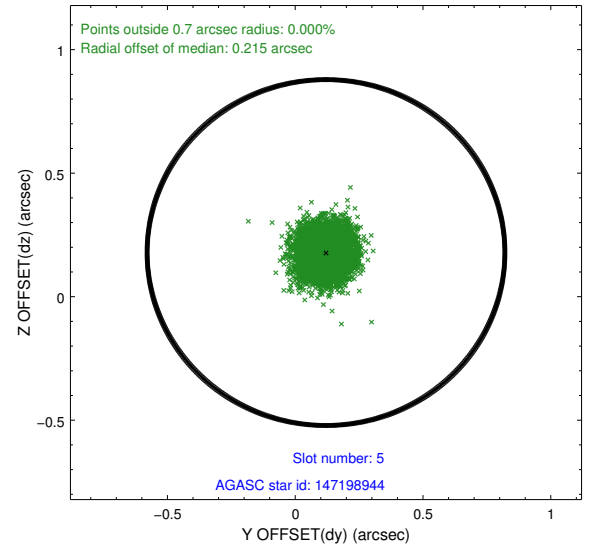
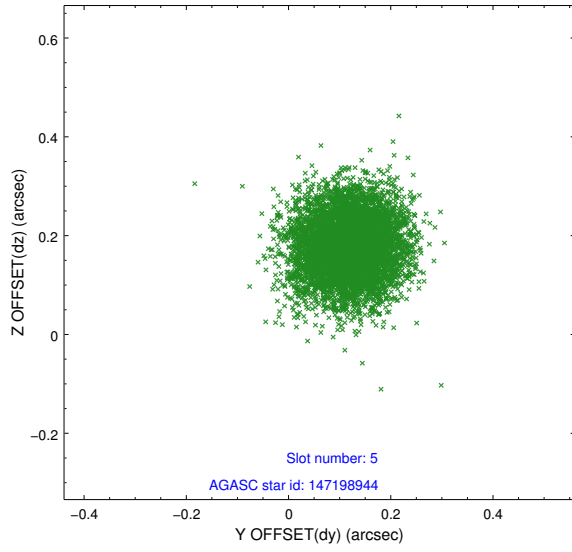
2.4.1 Slot 3



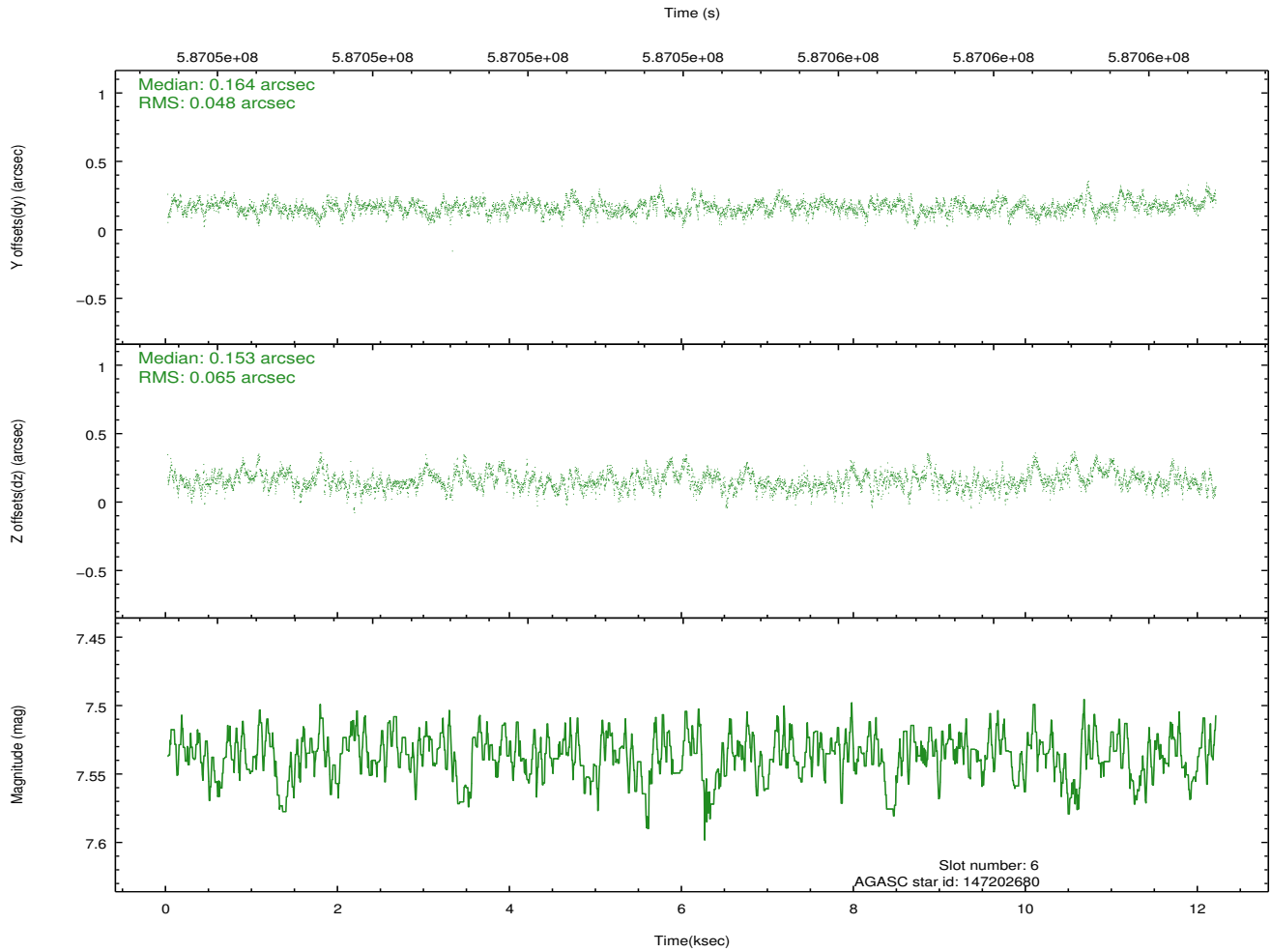
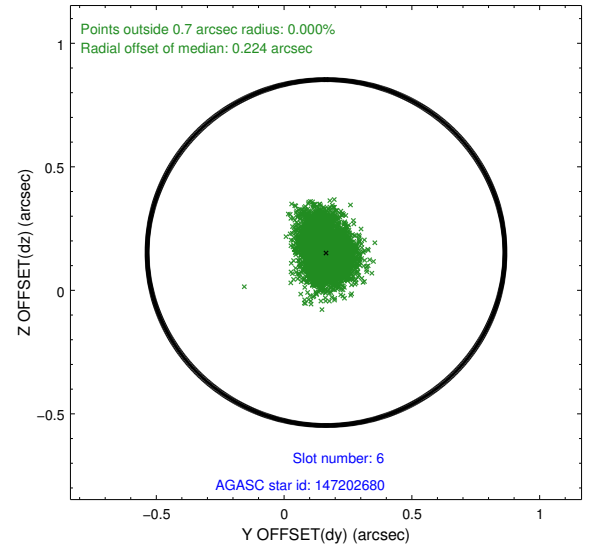
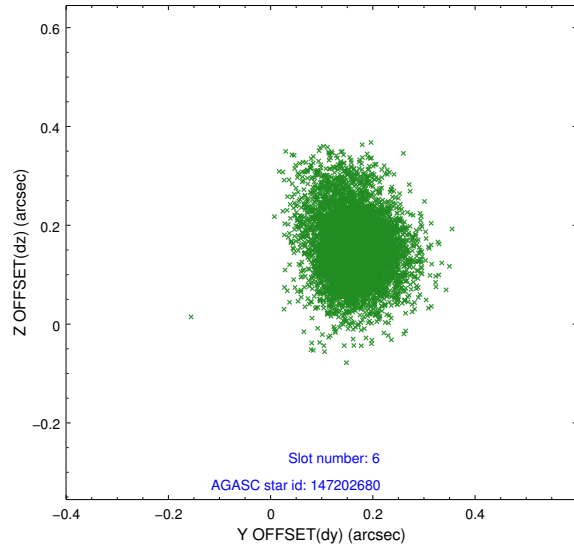
2.4.2 Slot 4



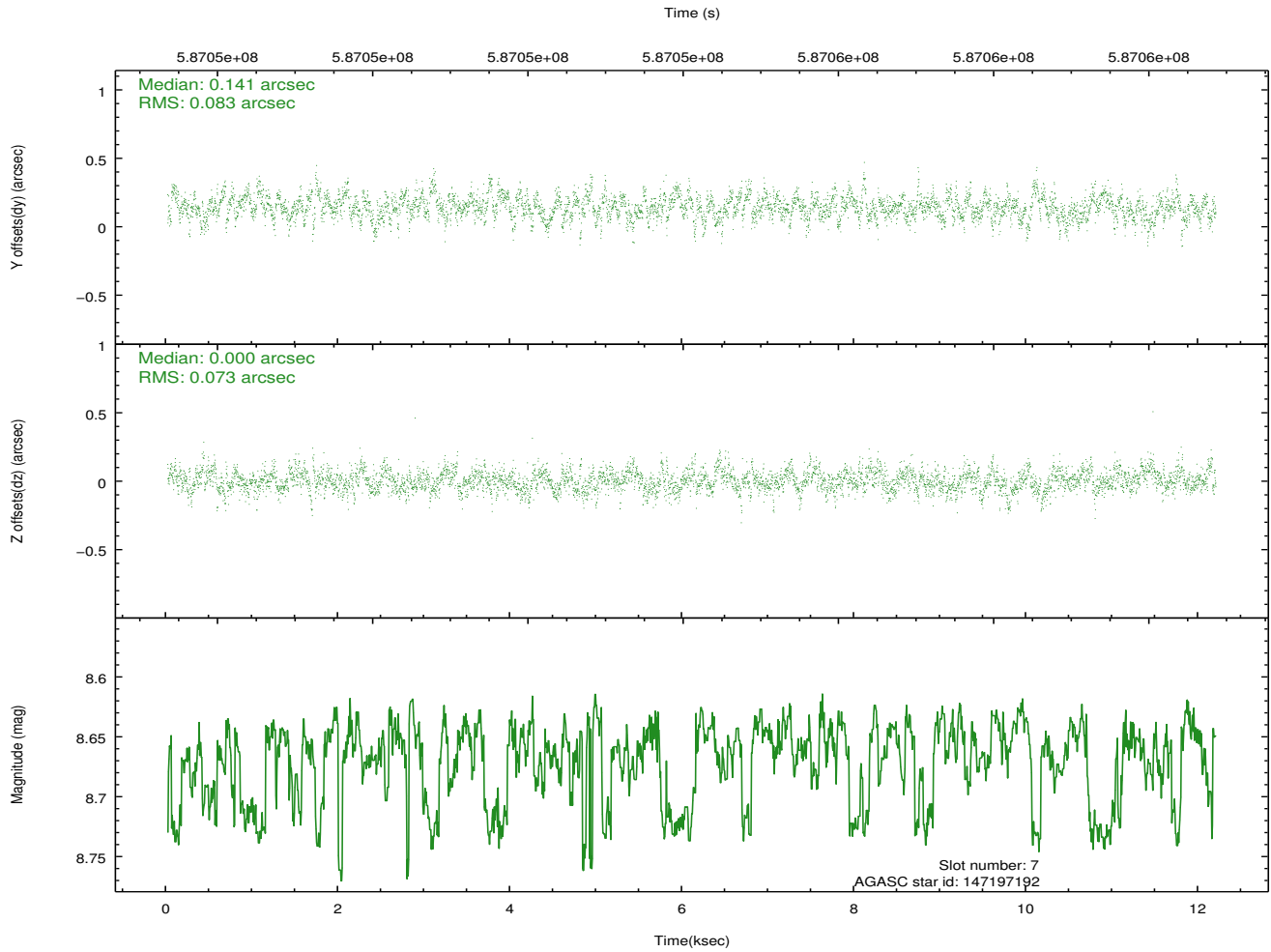
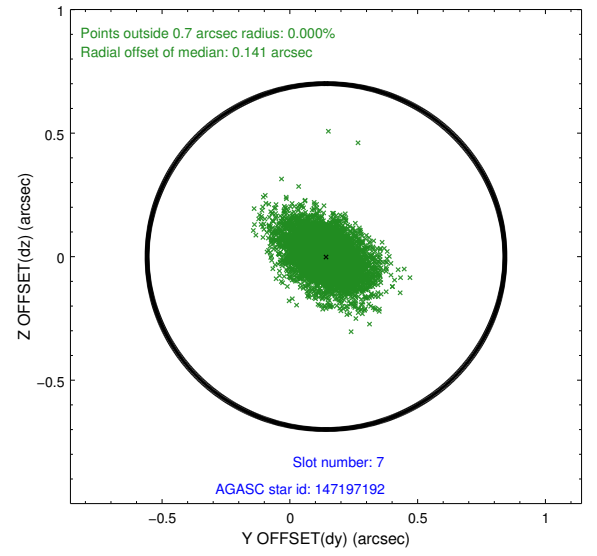
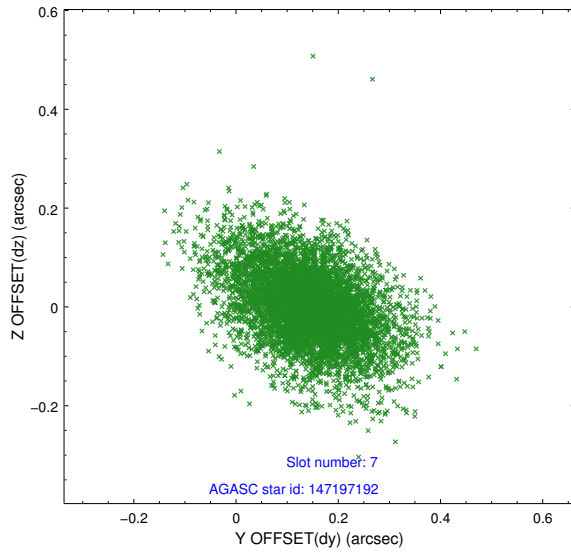
2.4.3 Slot 5



2.4.4 Slot 6

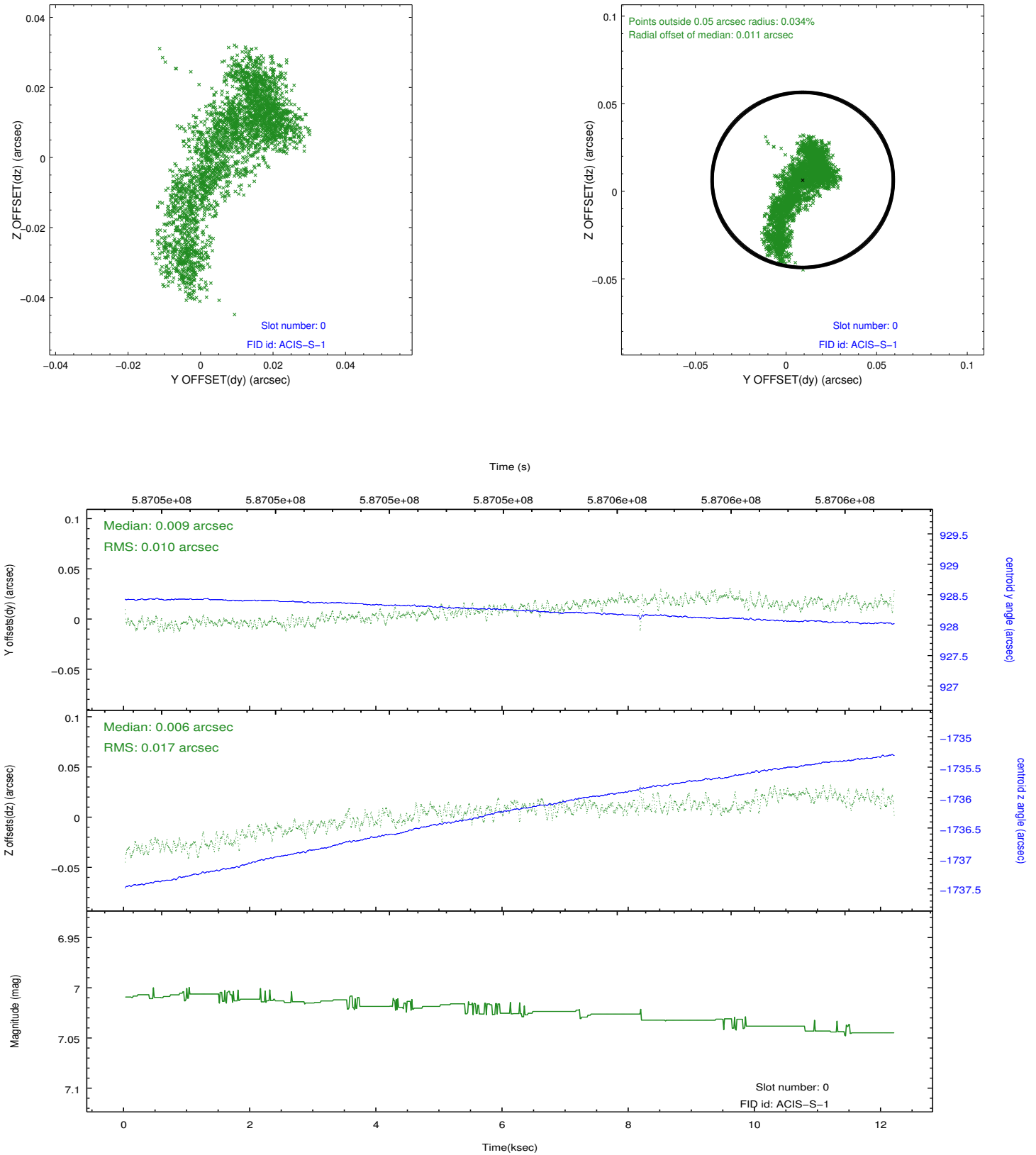


2.4.5 Slot 7

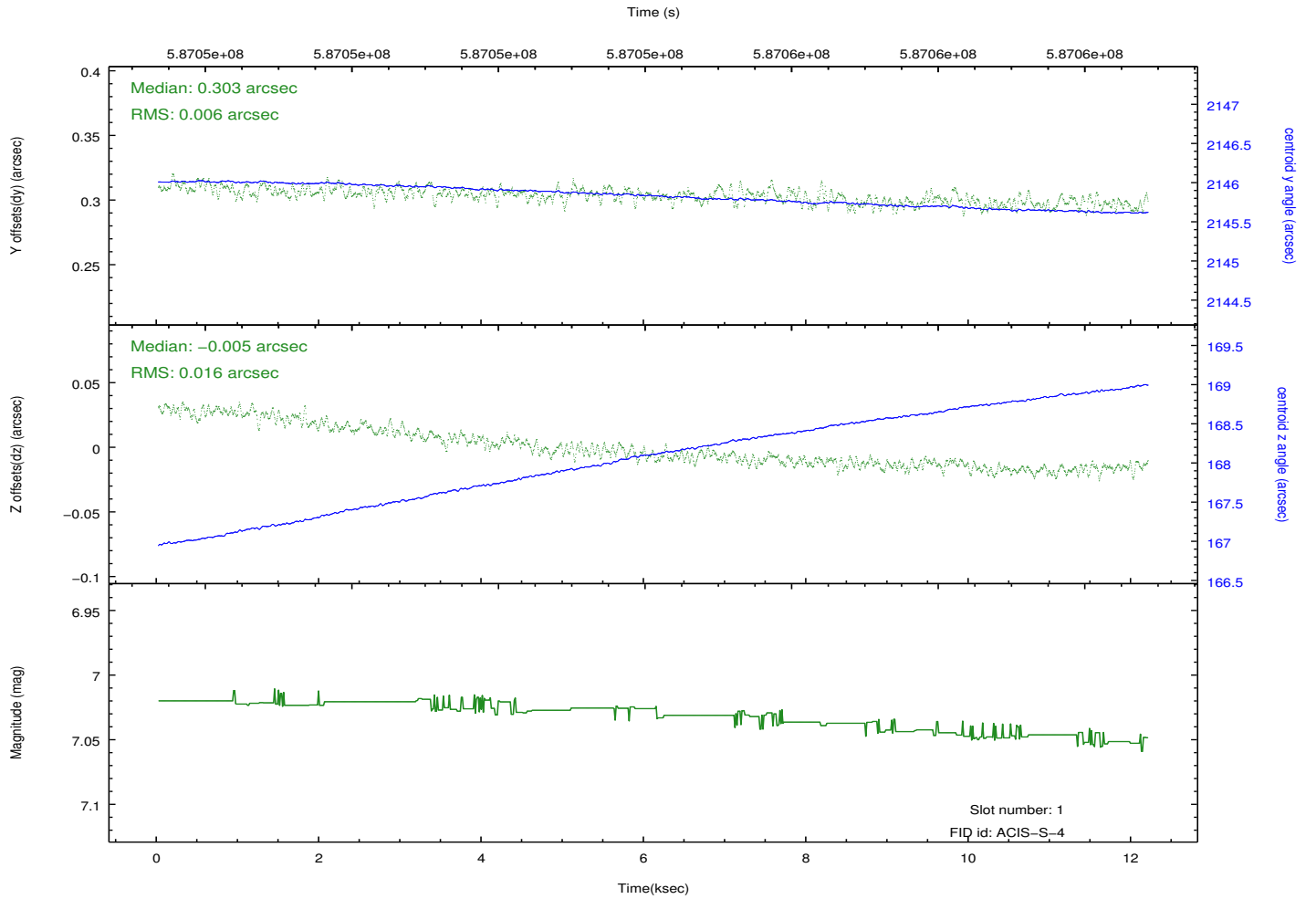
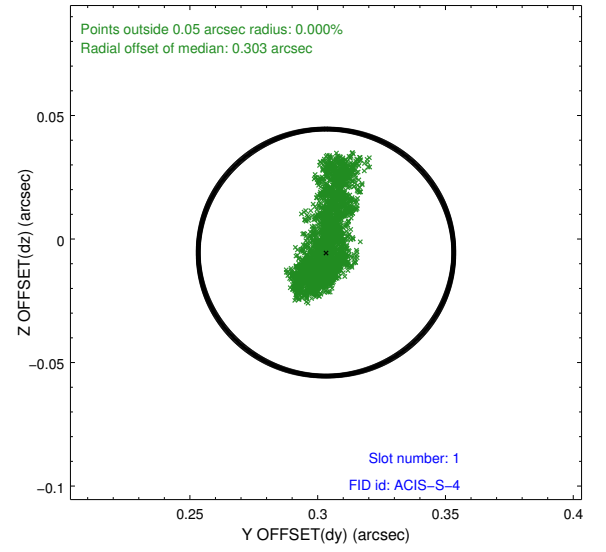
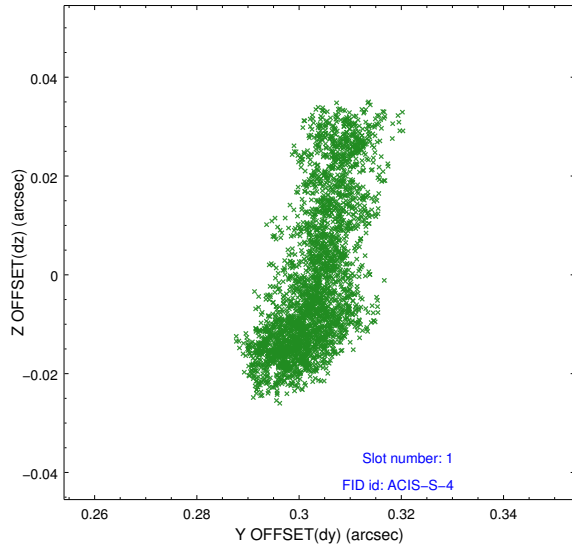


2.5 FID Slots

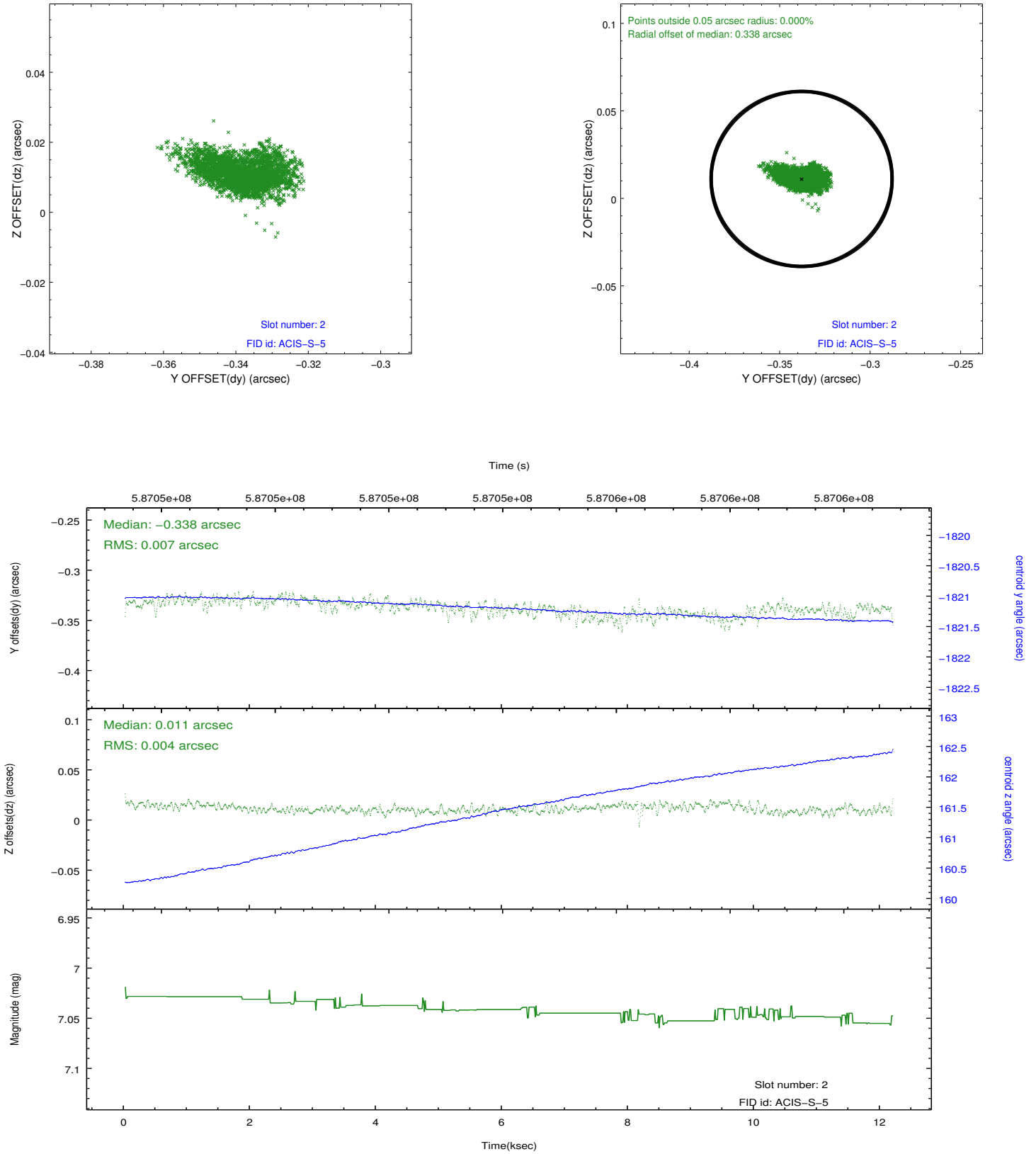
2.5.1 Slot 0



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)	2016.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.079879175305

A.2 Comments