

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17079 - L2 Version 1
Chandra X-Ray Center

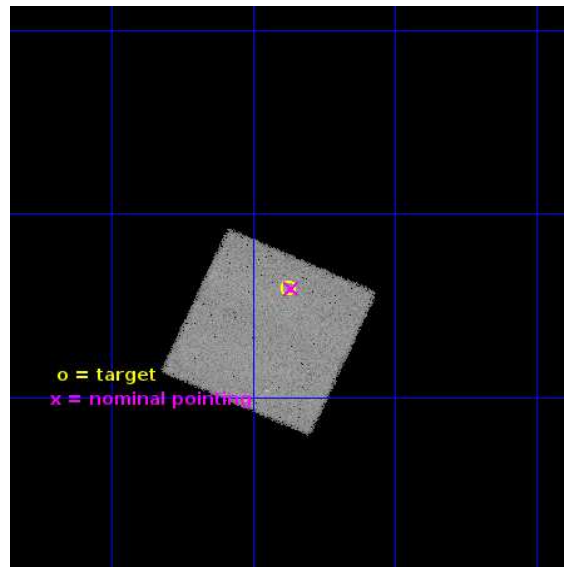
L2 Processing Date : Apr 7 2016

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1 Front

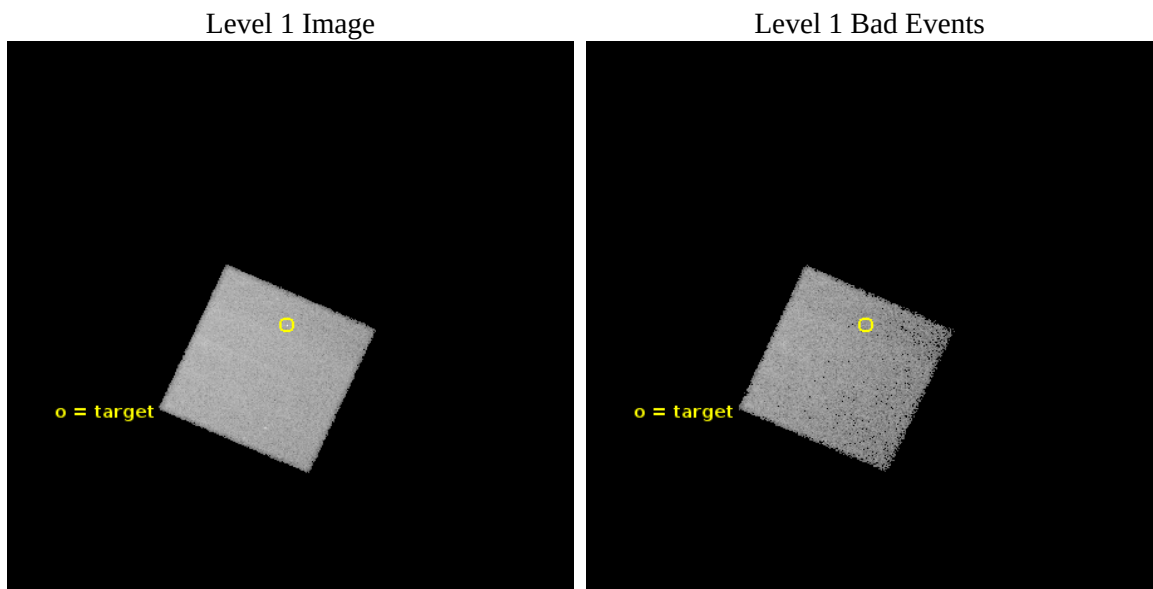
seq_num	703083	Sequence number
obs_id	17079	Observation id
title	The Central Engine of the Most Luminous Quasars	Proposal title
observer	Enrico Piconcelli	Principal investigator
object	SDSS J151352.52+085555.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.46875	Observer's specified target RA [deg]
dec_targ	8.932167	Observer's specified target Dec [deg]
ra_nom	228.46600398028	Nominal RA [deg]
dec_nom	8.9318765577141	Nominal Dec [deg]
roll_nom	114.15706553696	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30090.0	Sum of GTIs [s]
liveltime	29683.923920764	Livetime [s]
ontime7	30090.0	Sum of GTIs [s]
l2events	101286	Number of level 2 events



2 OBI

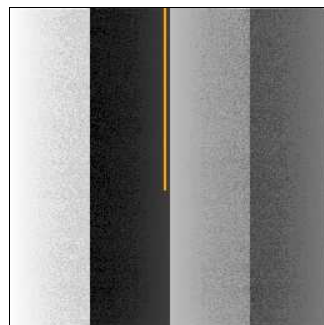
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	30090.0	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	30090.0	Sum of GTIs [s]
date	2016-04-07T21:42:03	Date and time of file creation	l1events	241894	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

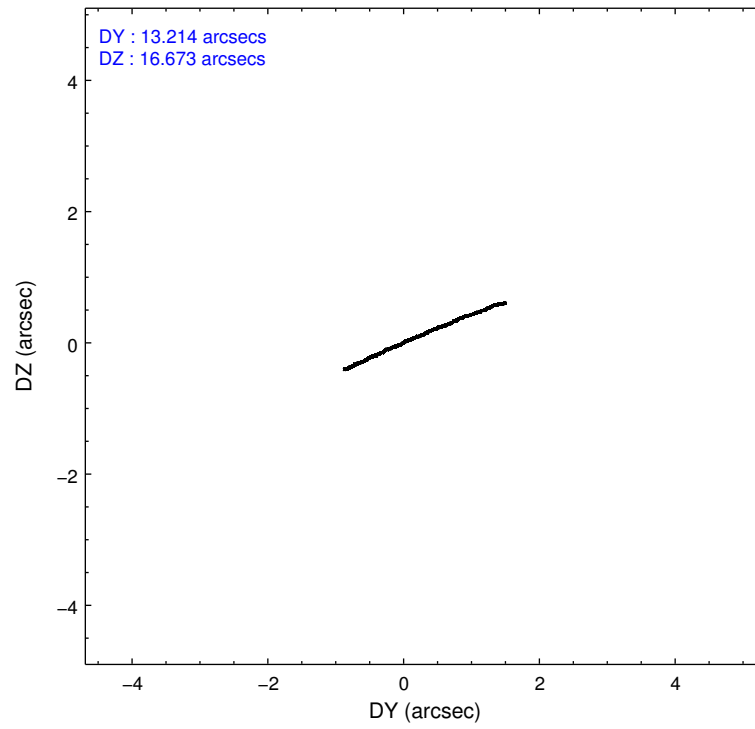
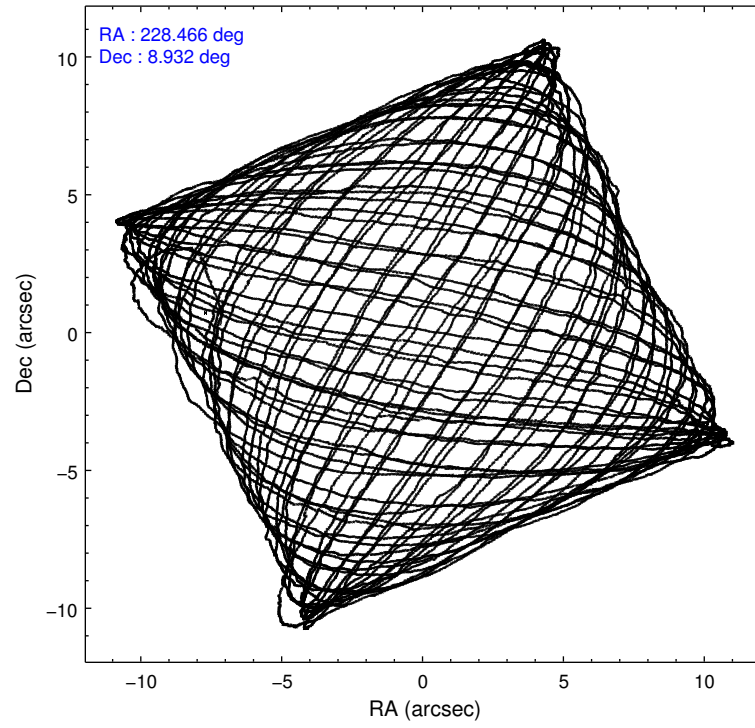
	ccd 7
level 1 events	241894
rejected events	137845
rejected %	56%

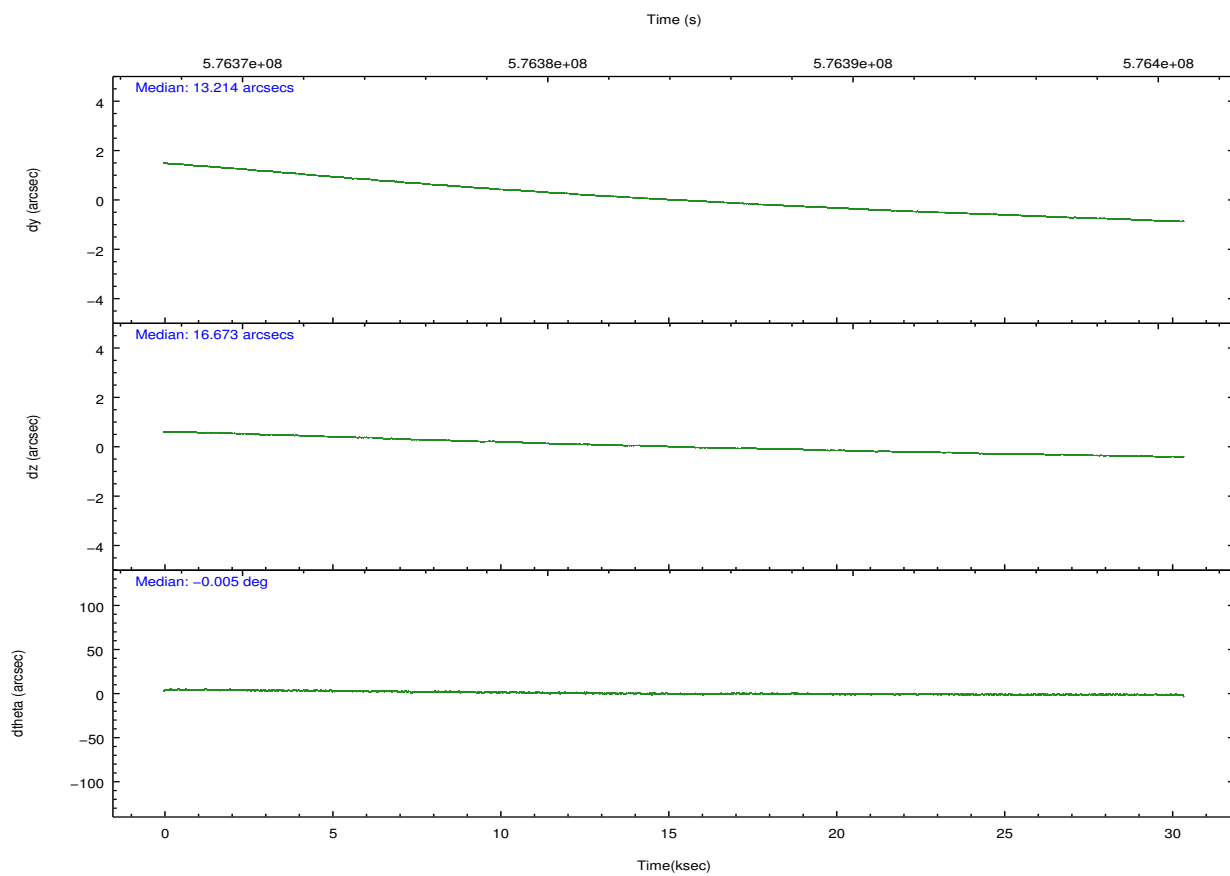
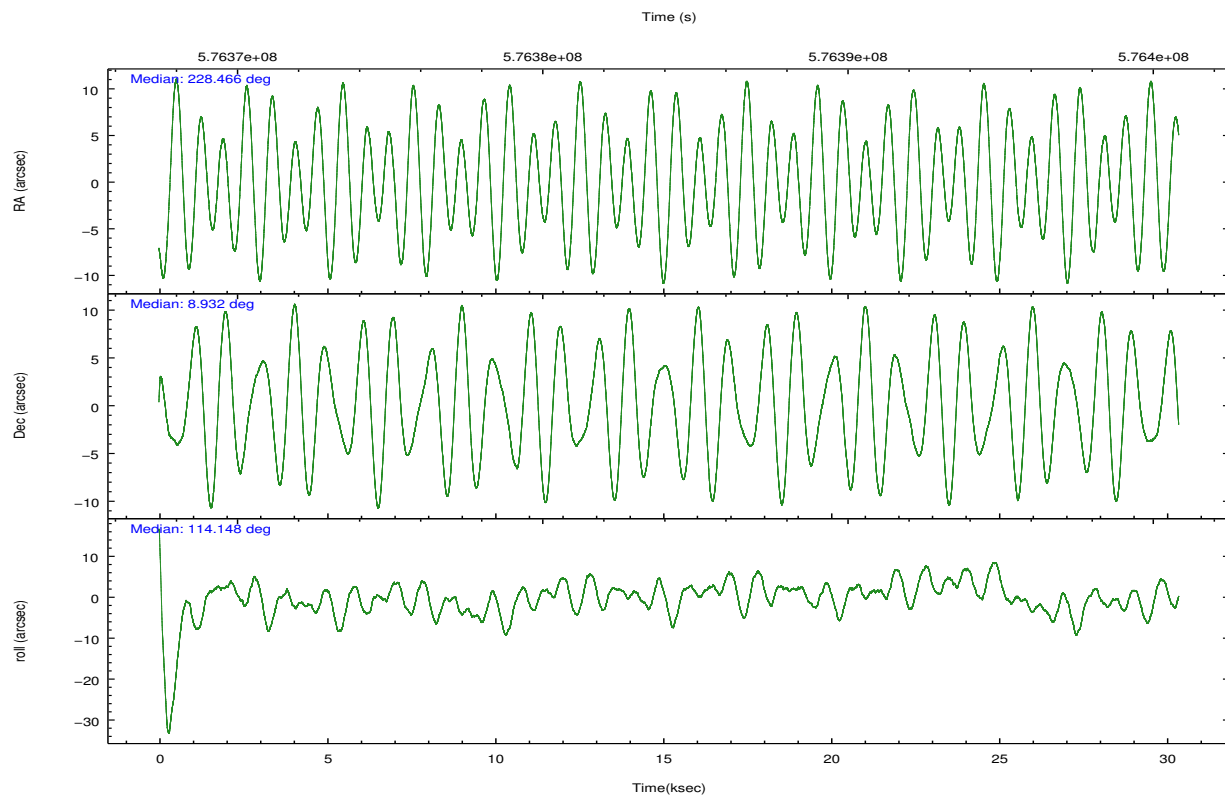
	ccd 7
grade 0 events	8569
	3%
grade 1 events	295
	0%
grade 2 events	21974
	9%
grade 3 events	7835
	3%
grade 4 events	7820
	3%
grade 5 events	22673
	9%
grade 6 events	57862
	23%
grade 7 events	114866
	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	228.488745	228.4660039802815	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.916102	8.931876557714107	Alternating exposures requested	N	N
[deg] Pointing Roll	113.996903	114.1570655369649	[s] Primary exposure time	0.000000	3
[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)	576369288.184000	576368513.12718			
Observation start date	2016-04-06T22:33:40	2016-04-06T22:21:53			
[s] Observation end time (MET)	576399288.184000	576400207.66649			
Observation end date	2016-04-07T06:53:40	2016-04-07T07:10:07			
Read mode	TIMED	TIMED			

2.3 Aspect



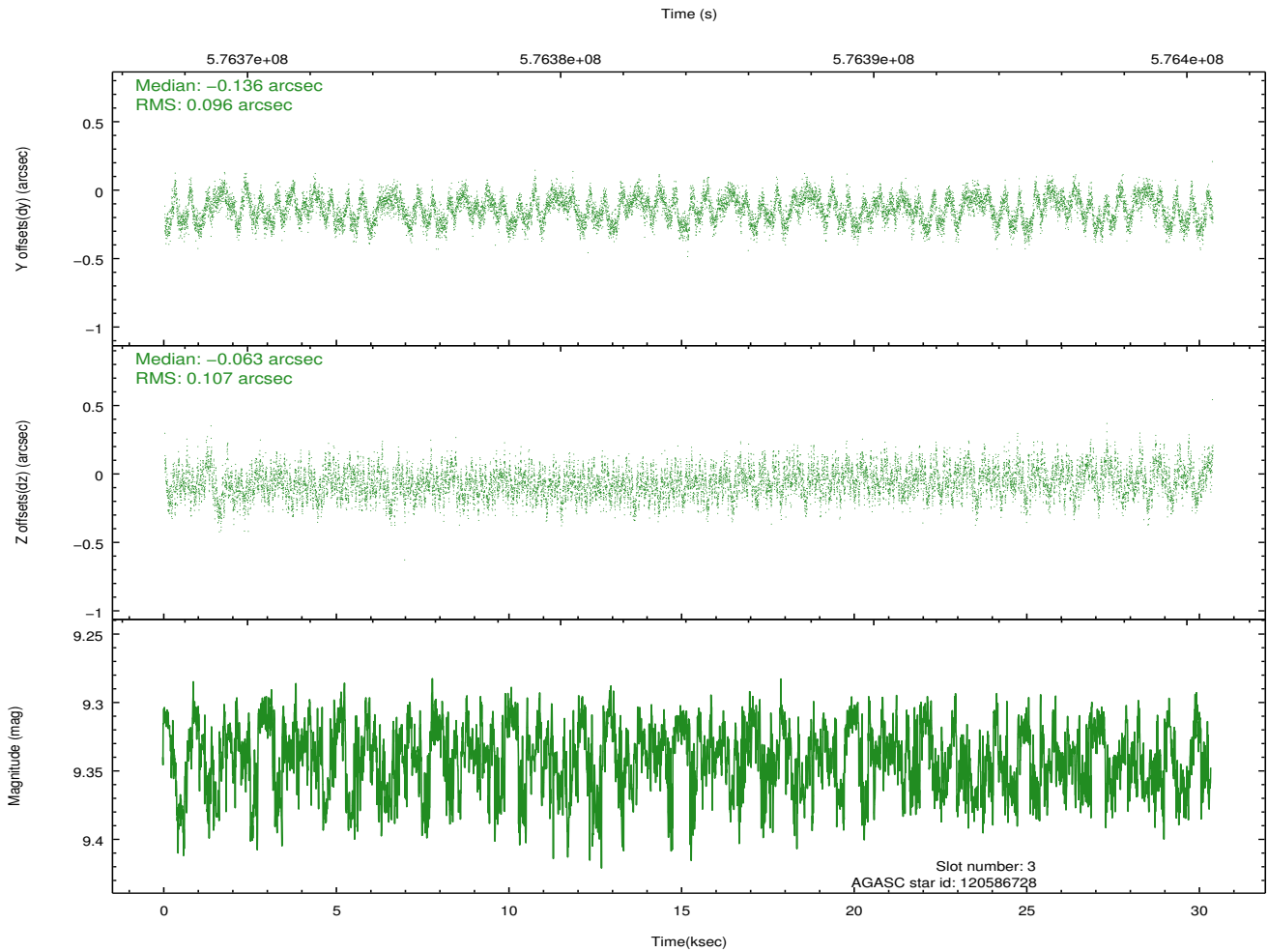
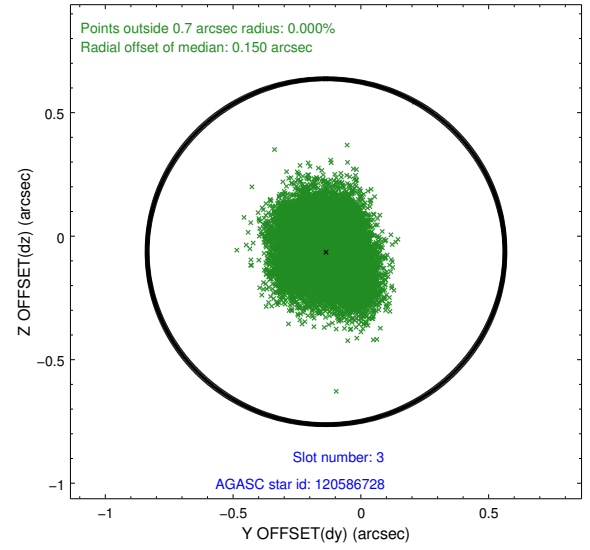
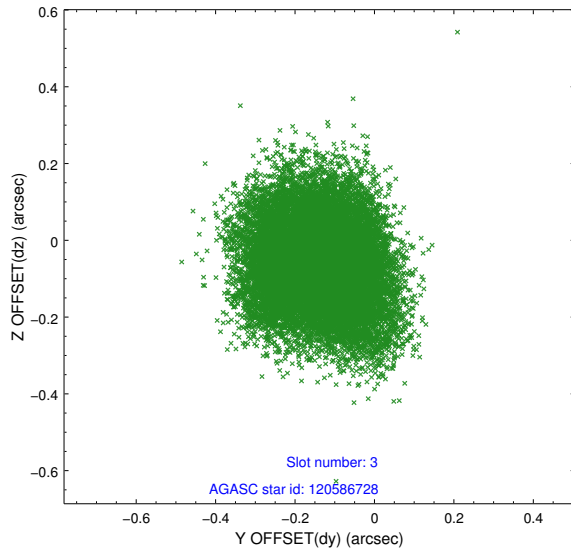


Slot Statistics

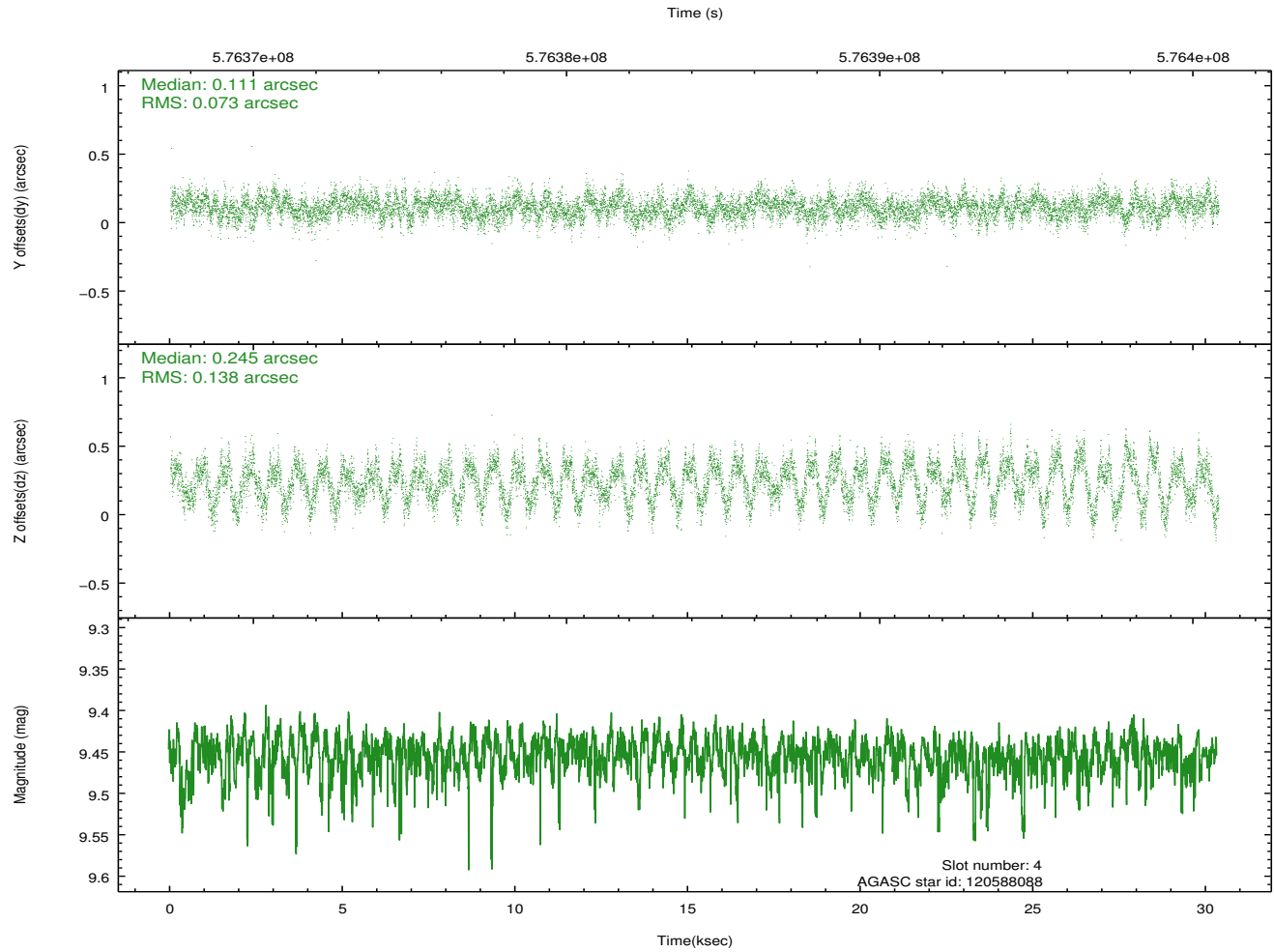
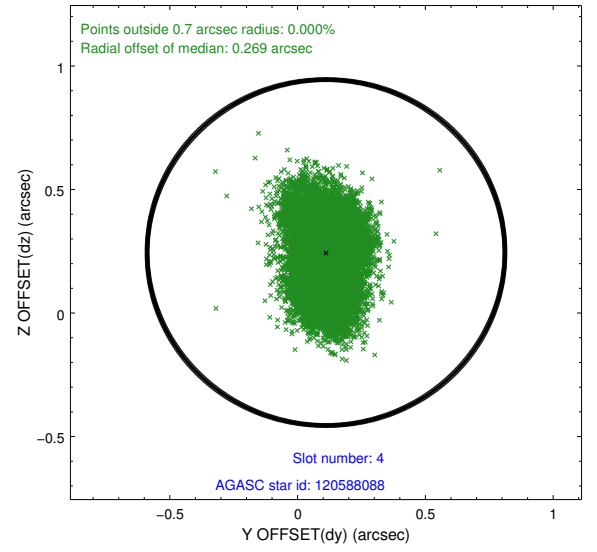
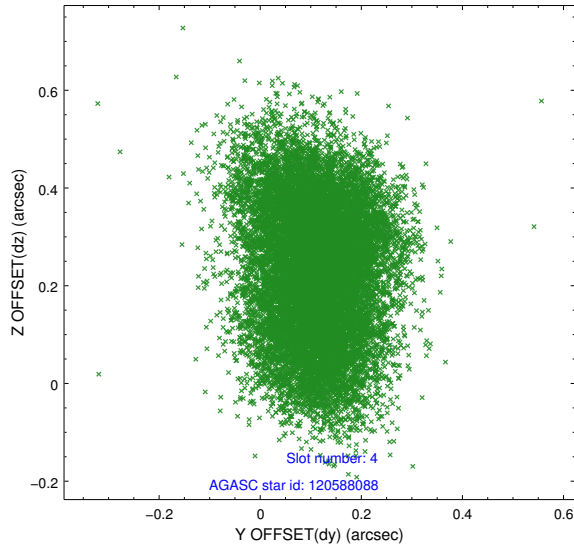
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	7404	-0.136	-0.080	0.027	0.054	0.000000	0.000000	-766.37	-1738.18
1	FID		ACIS-S-4	7.22	7404	0.407	0.086	0.034	0.046	0.000000	0.000000	2147.40	170.43
2	FID		ACIS-S-5	7.24	7405	-0.300	0.002	0.019	0.036	0.000000	0.000000	-1819.30	164.05
3	GUIDE	used	120586728	9.34	14790	-0.136	-0.063	0.156	0.240	228.100014	8.601049	-472.85	1725.64
4	GUIDE	used	120588088	9.45	14791	0.111	0.245	0.167	0.272	228.309752	8.720388	-384.22	869.35
5	GUIDE	used	120588456	10.01	14785	0.037	-0.023	0.234	0.373	229.098835	9.027541	-512.85	-2144.35
6	GUIDE	used	120591448	8.99	14804	-0.009	-0.448	0.116	0.197	228.105389	8.429697	-1043.91	1959.01
7	GUIDE	used	120596344	9.20	14791	-0.005	0.293	0.124	0.193	228.912596	8.415853	-2257.97	-646.19

2.4 Star Slots

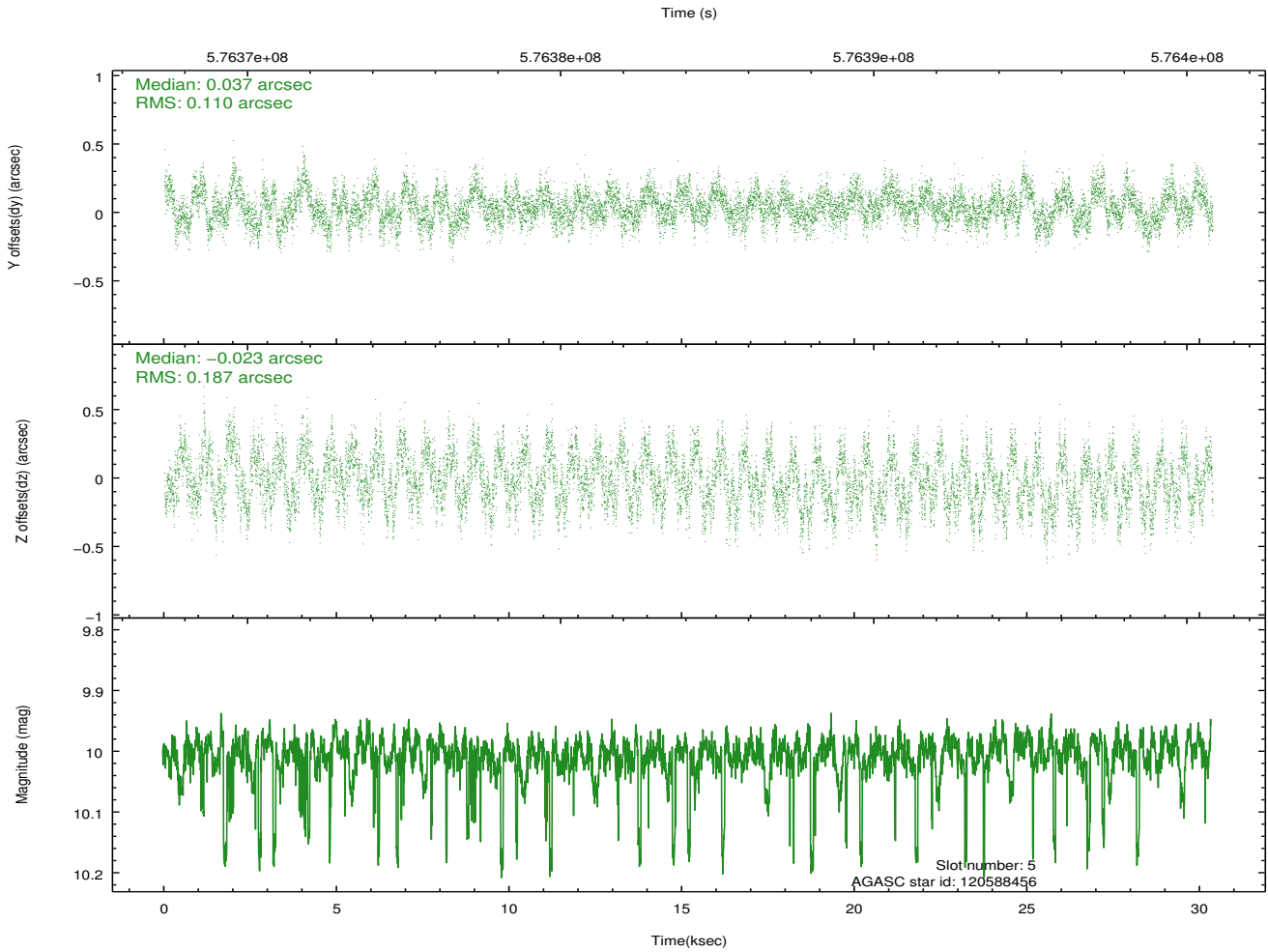
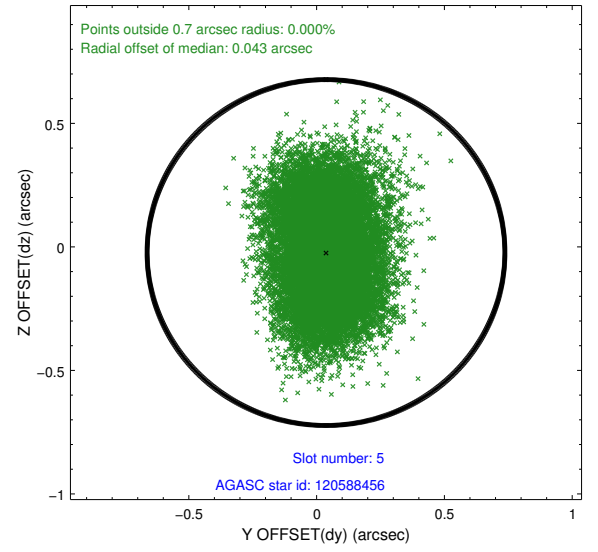
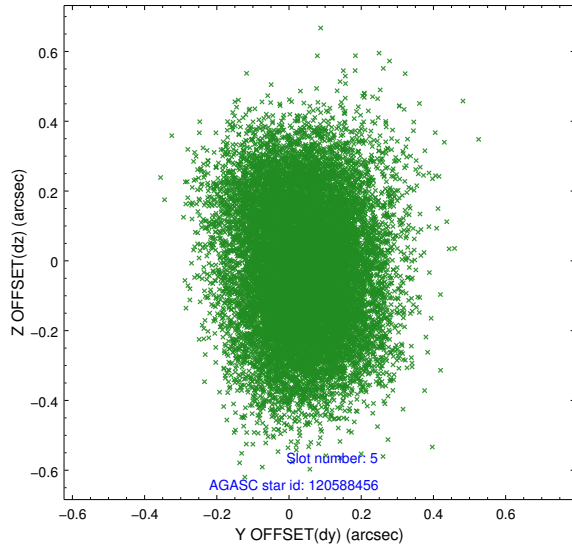
2.4.1 Slot 3



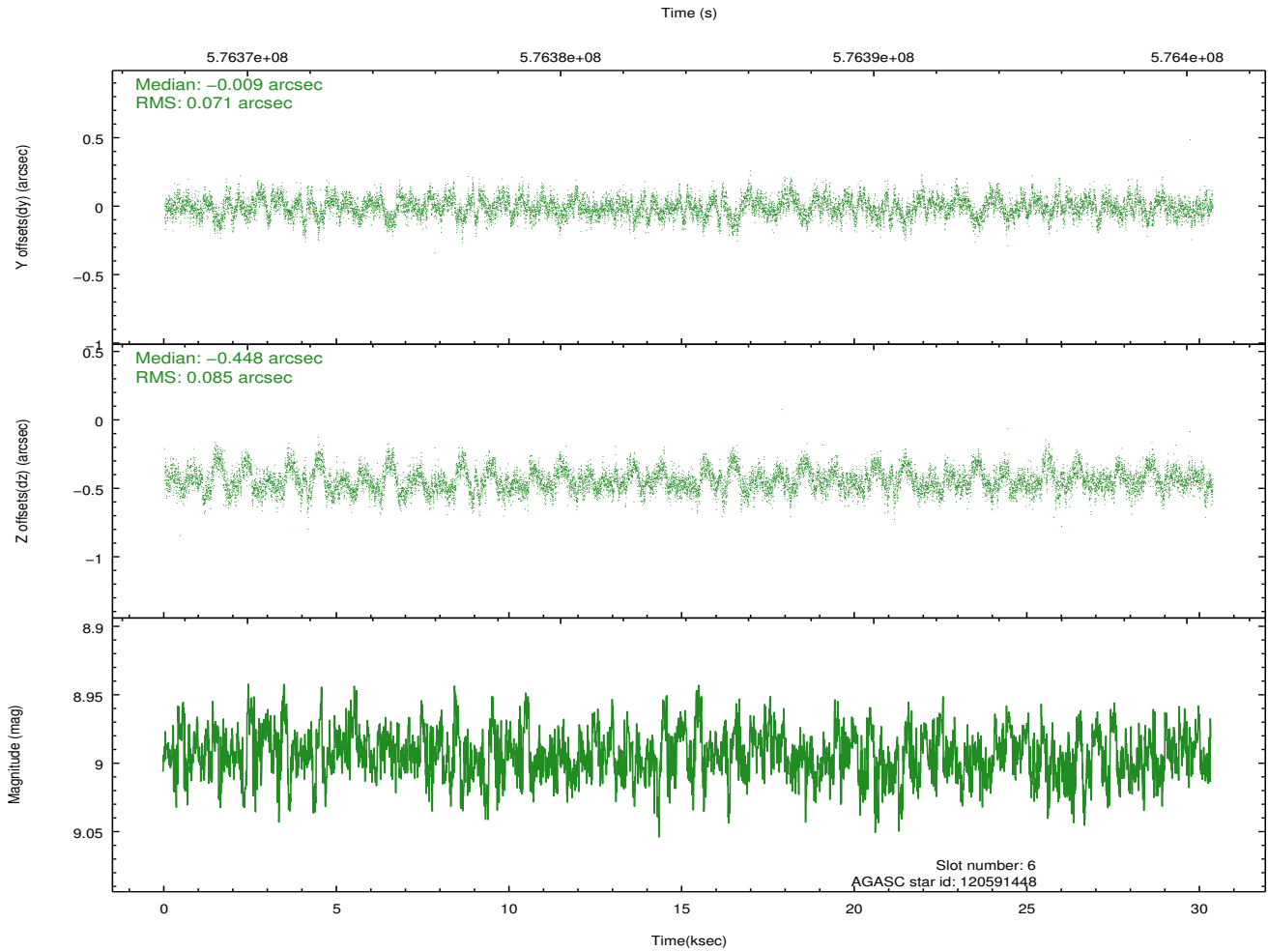
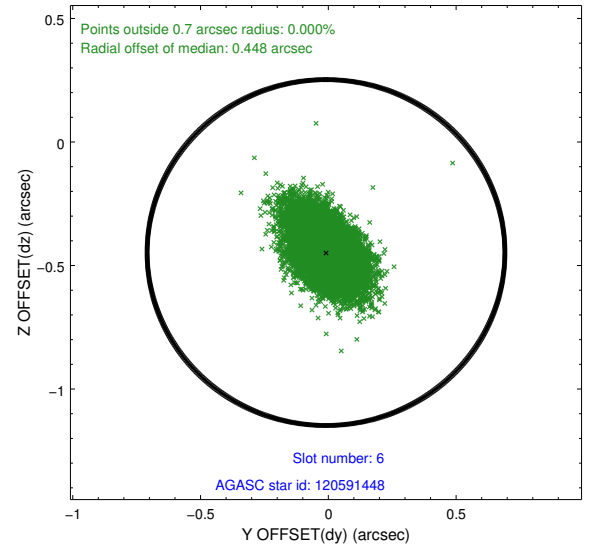
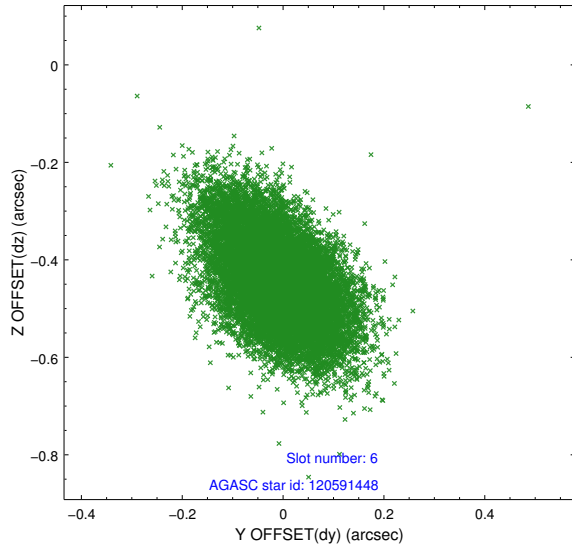
2.4.2 Slot 4



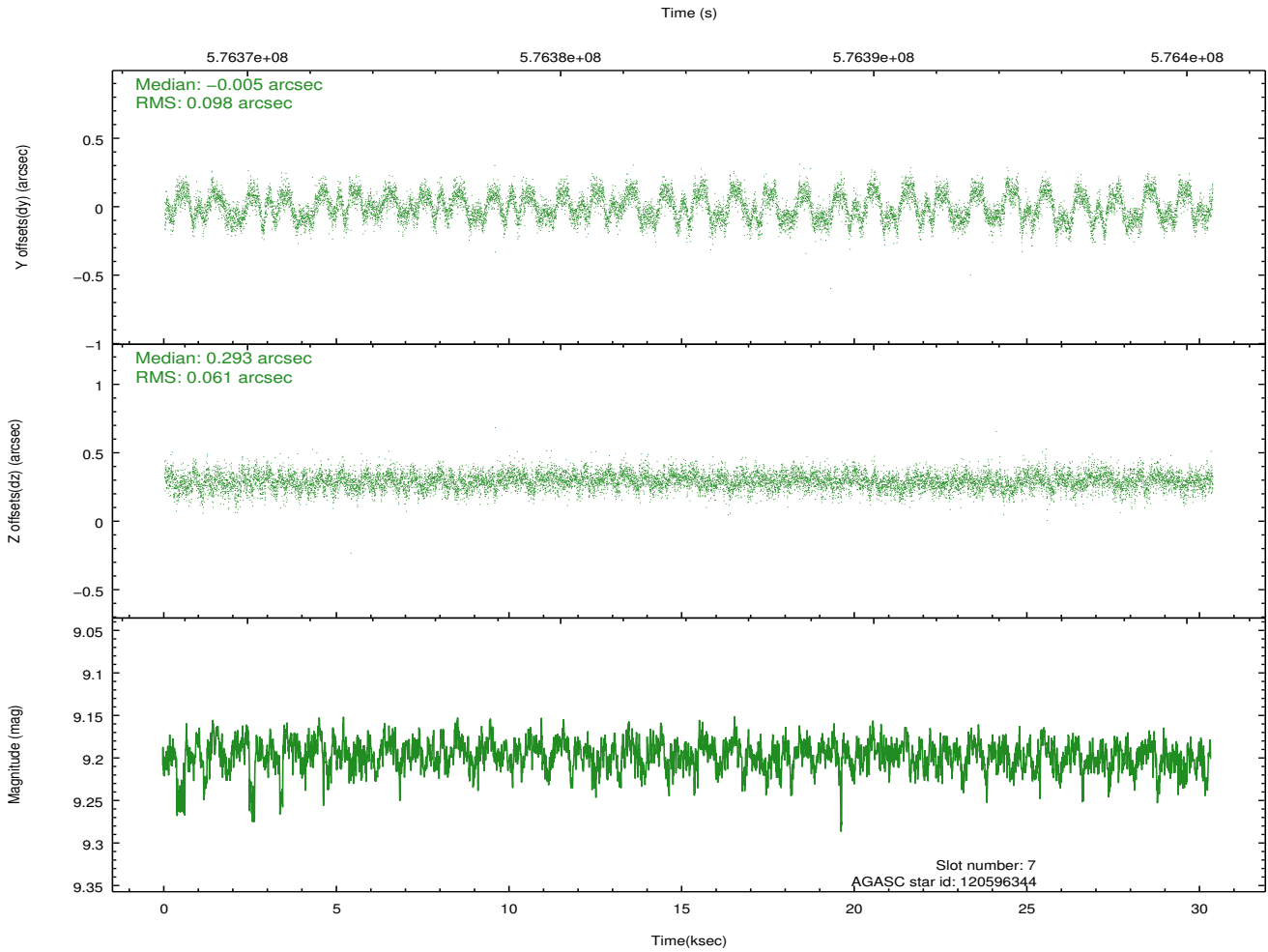
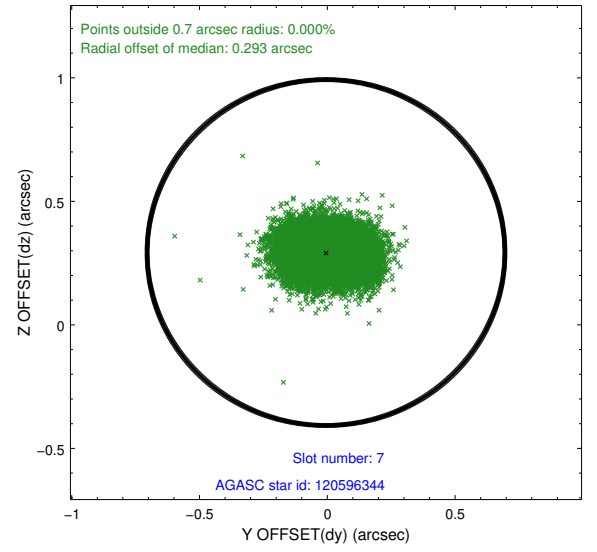
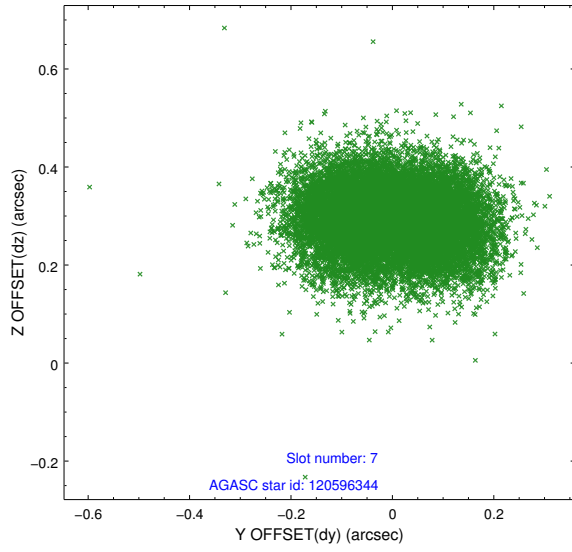
2.4.3 Slot 5



2.4.4 Slot 6

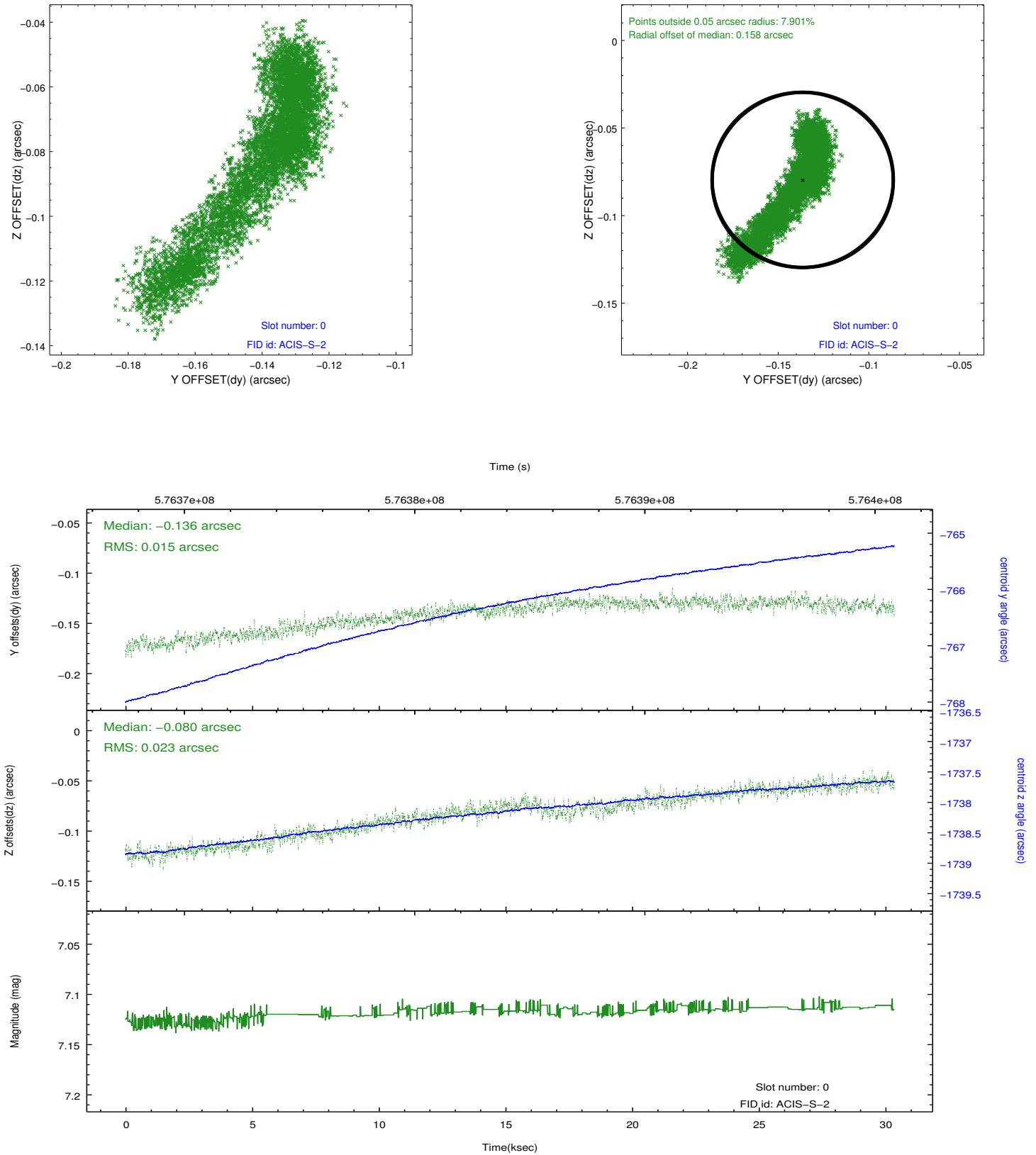


2.4.5 Slot 7

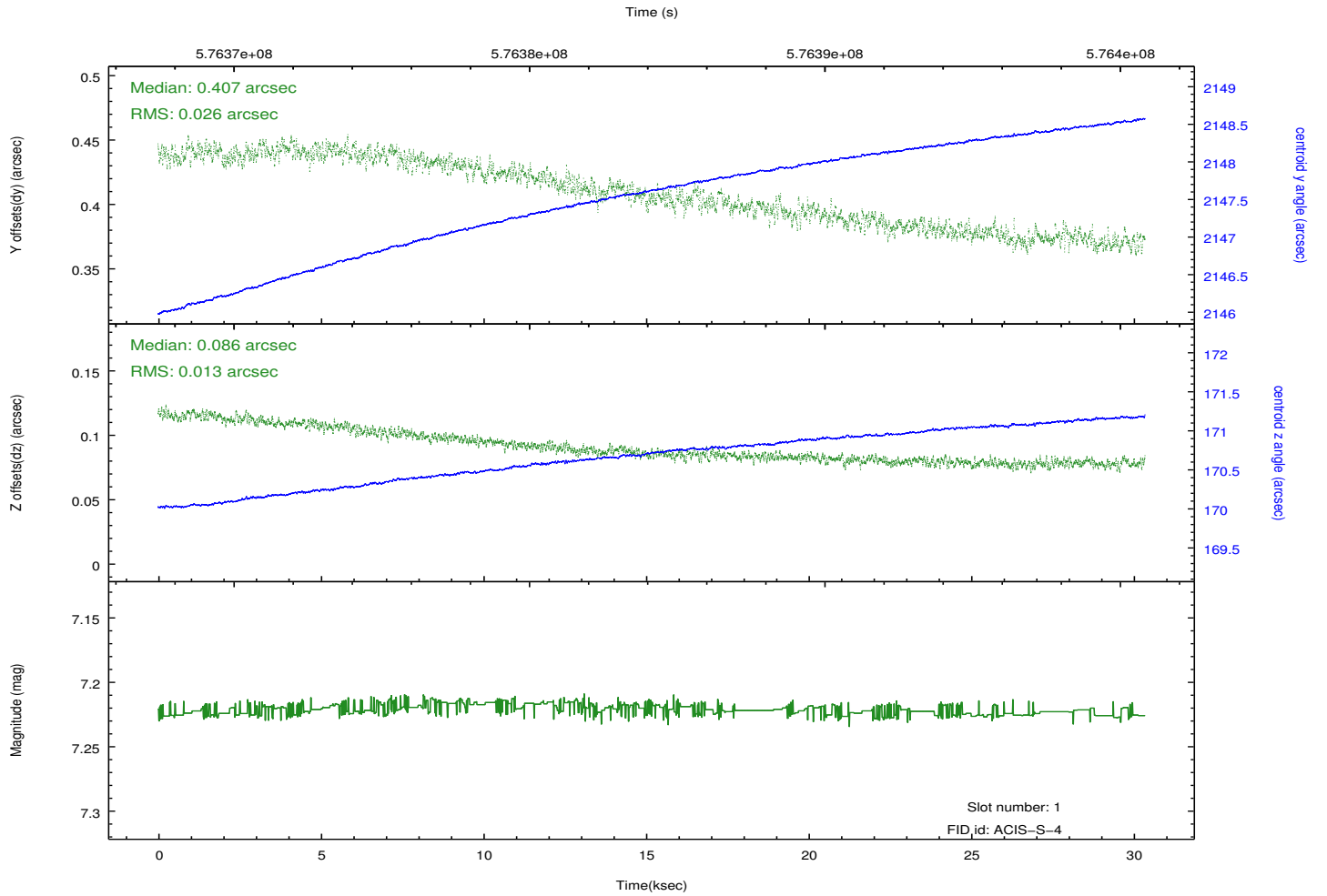
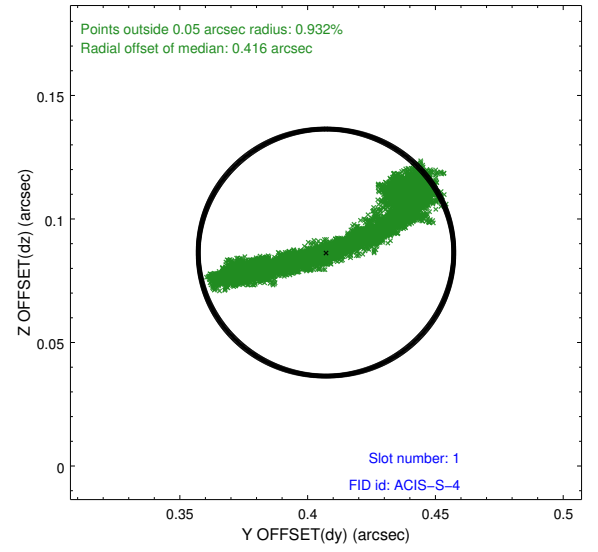
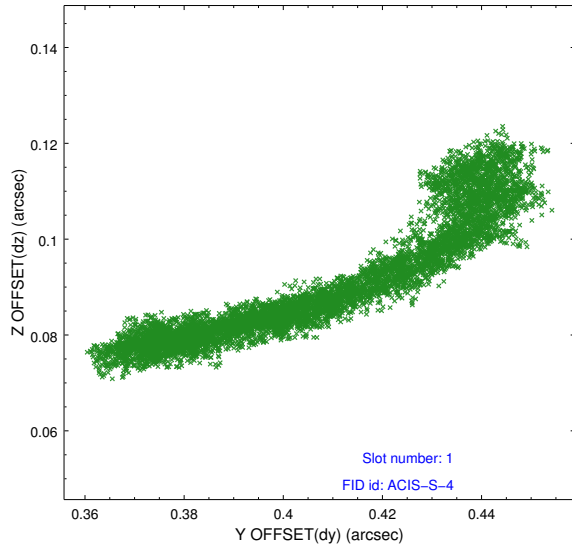


2.5 FID Slots

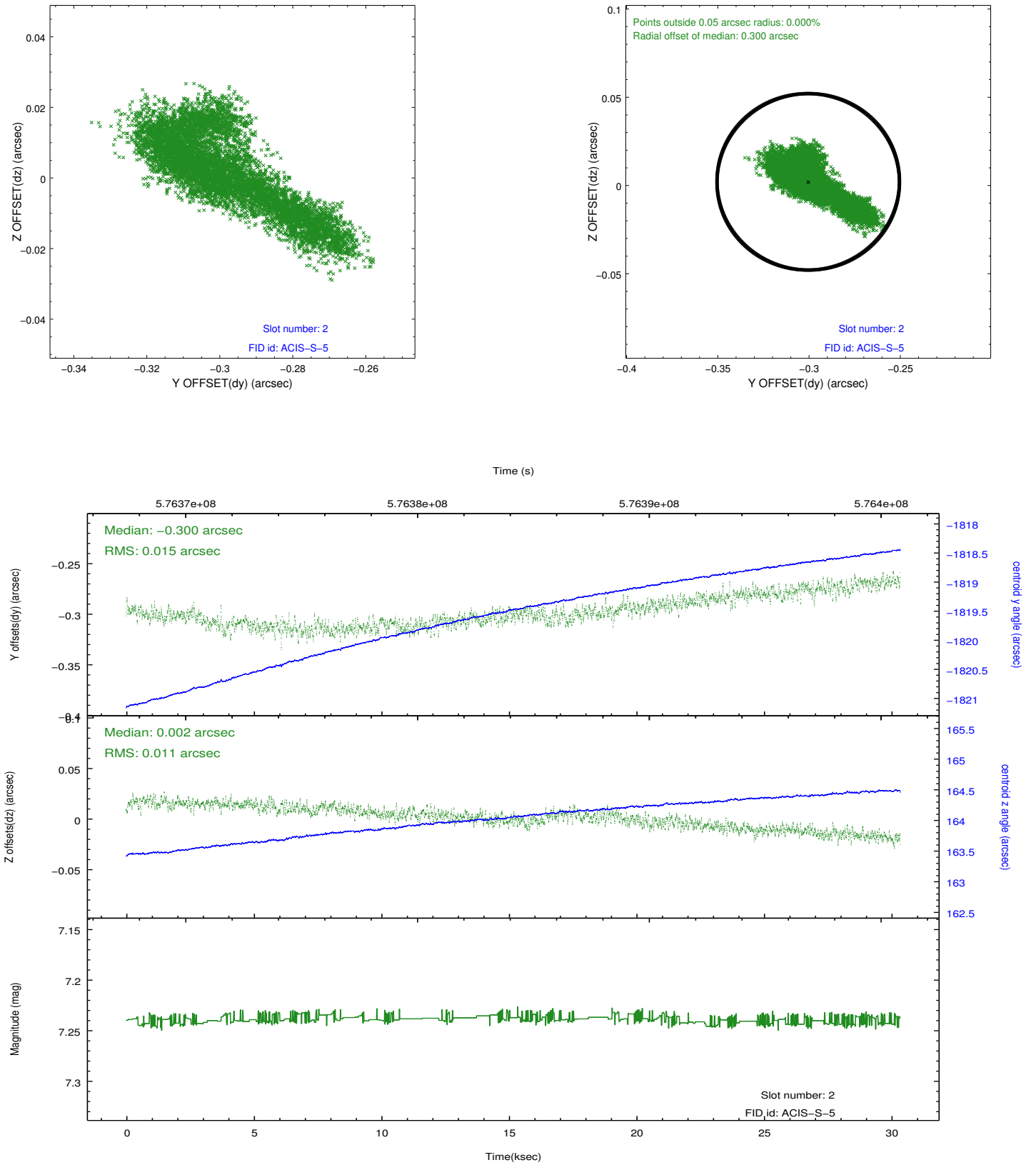
2.5.1 Slot 0



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)	2016.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.09

A.2 Comments