

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22212 - L2 Version 1
Chandra X-Ray Center

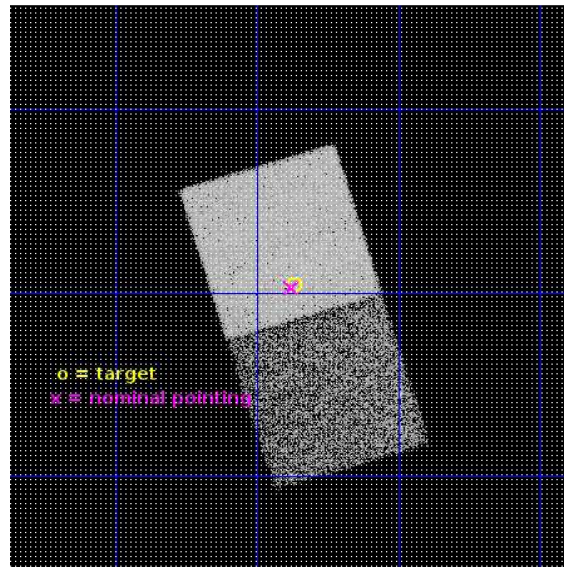
L2 Processing Date : May 13 2019

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1 Front

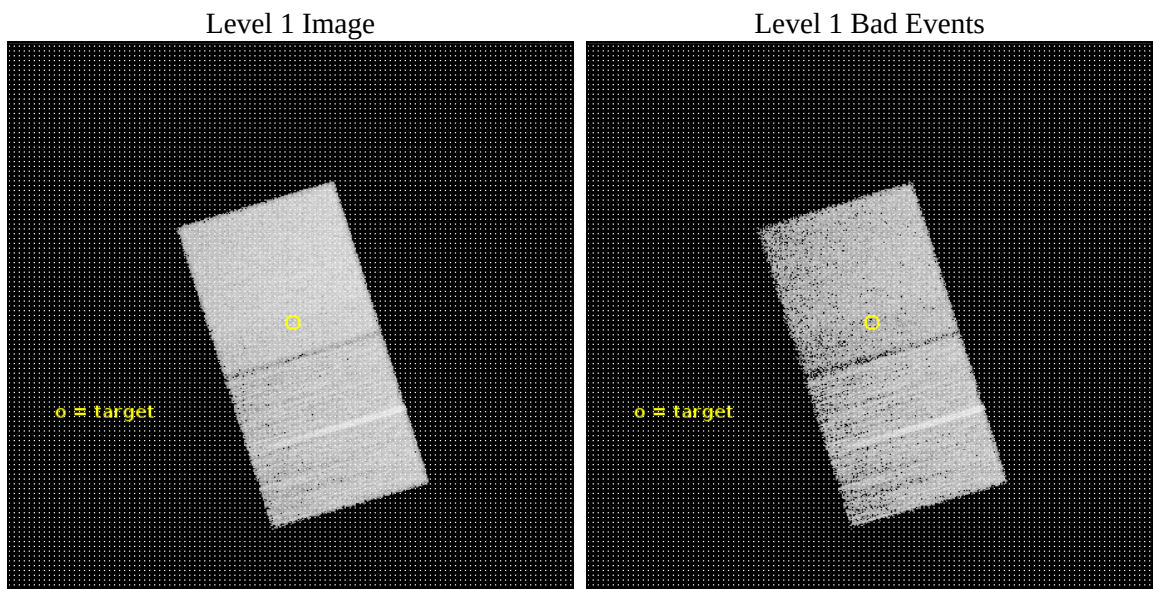
seq_num	703892	Sequence number
obs_id	22212	Observation id
title	The X-ray obscured quasar J085051: Dust free gas or an eclipse?	Pr
observer	Francesca Civano	Principal investigator
object	SDSSJ085051	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.716667	Observer's specified target RA [deg]
dec_targ	8.507389	Observer's specified target Dec [deg]
ra_nom	132.71950240253	Nominal RA [deg]
dec_nom	8.5048301975357	Nominal Dec [deg]
roll_nom	252.99103457973	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20082.0	Sum of GTIs [s]
livetime	19810.985715413	Livetime [s]
ontime6	20082.0	Sum of GTIs [s]
ontime7	20082.0	Sum of GTIs [s]
l2events	94202	Number of level 2 events



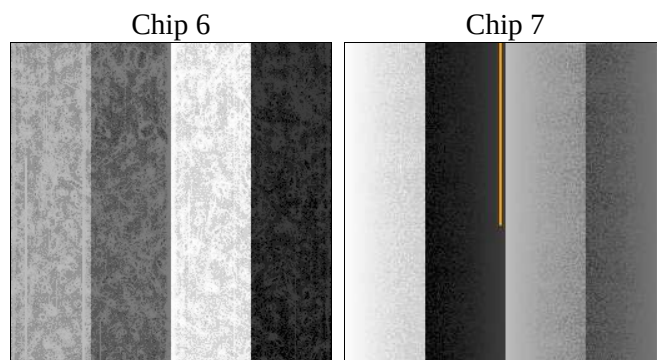
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	20082.0	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	20082.0	Sum of GTIs [s]
date	2019-05-13T05:43:07	Date and time of file creation	ontime7	20082.0	Sum of GTIs [s]
revision	1	Processing version of data	l1events	330956	Number of level 1 events

2.1.4 Events

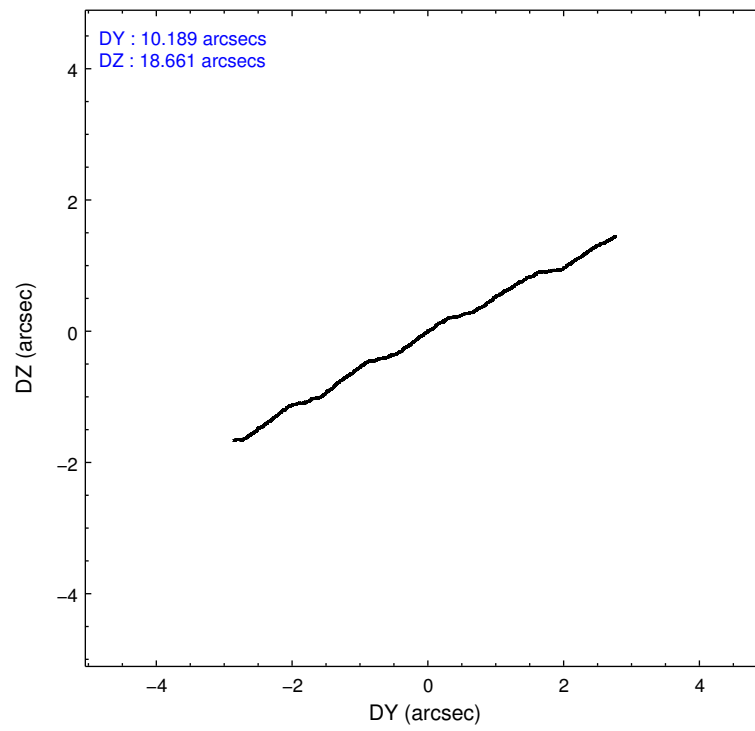
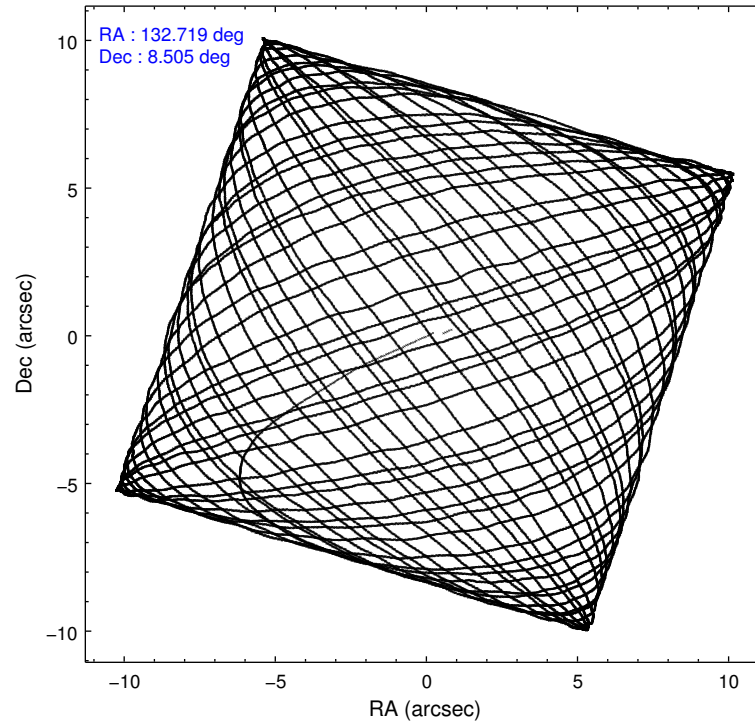
	ccd 6	ccd 7
level 1 events	145218	185738
rejected events	128140	104367
rejected %	88%	56%

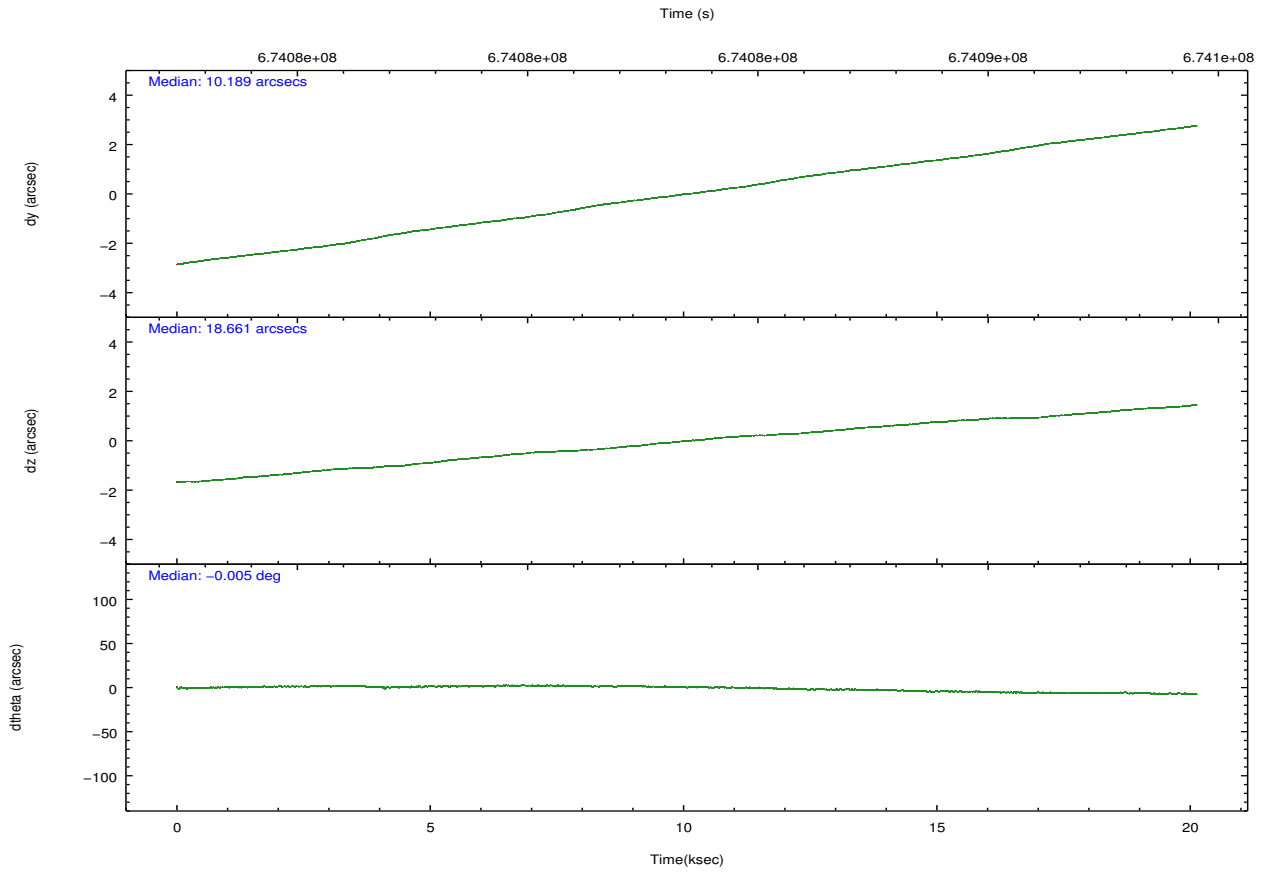
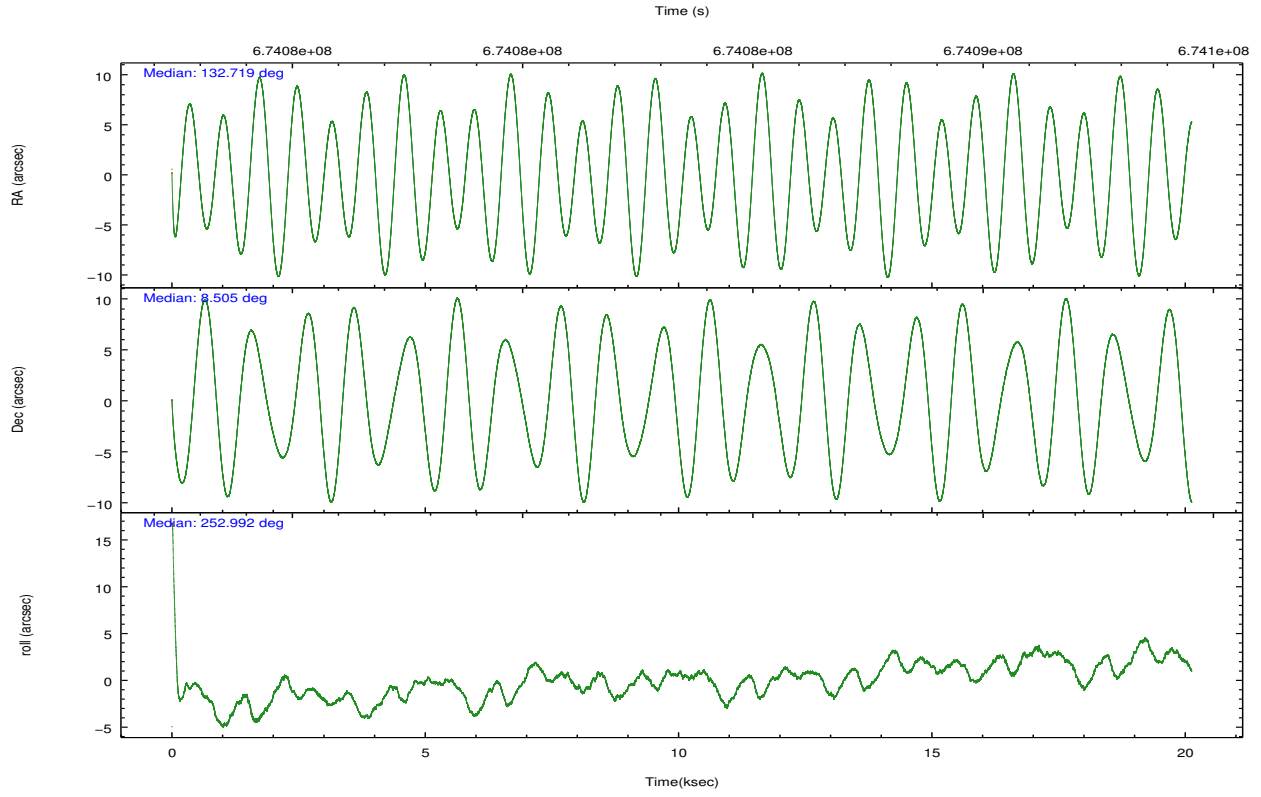
	ccd 6	ccd 7
grade 0 events	5723	6872
	3%	3%
grade 1 events	78	290
	0%	0%
grade 2 events	4019	17650
	2%	9%
grade 3 events	1718	6418
	1%	3%
grade 4 events	1663	6221
	1%	3%
grade 5 events	6869	18348
	4%	9%
grade 6 events	3959	44220
	2%	23%
grade 7 events	121189	85719
	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	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	132.712904	132.7195024025334	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.531498	8.5048301975357	Alternating exposures requested	N	N
[deg] Pointing Roll	252.835371	252.9910345797275	[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)	674073526.184000	674072348.66791			
Observation start date	2019-05-12T18:37:37	2019-05-12T18:19:08			
[s] Observation end time (MET)	674093526.184000	674094458.43173			
Observation end date	2019-05-13T00:10:57	2019-05-13T00:27:38			
Read mode	TIMED	TIMED			

2.3 Aspect



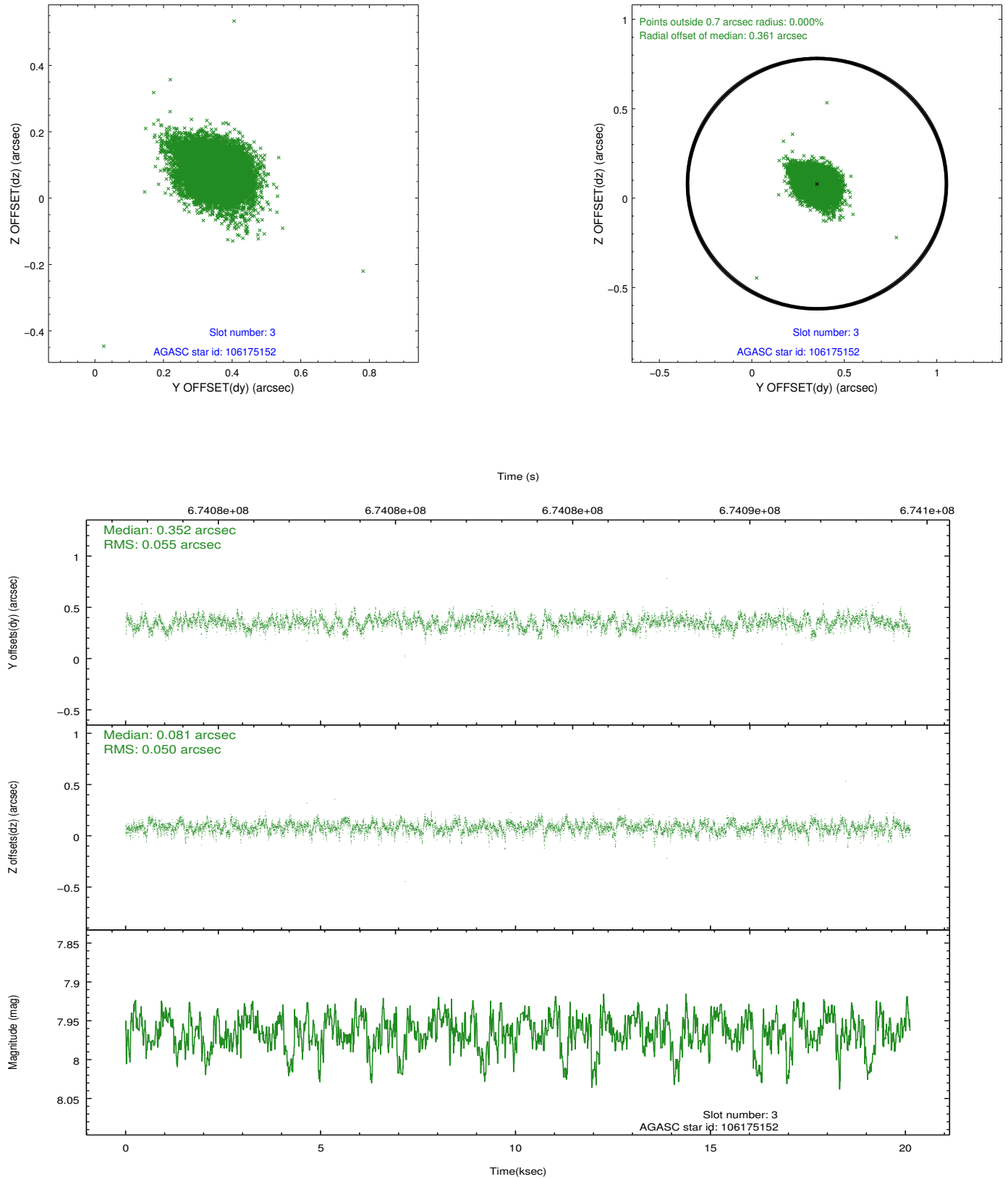


Slot Statistics

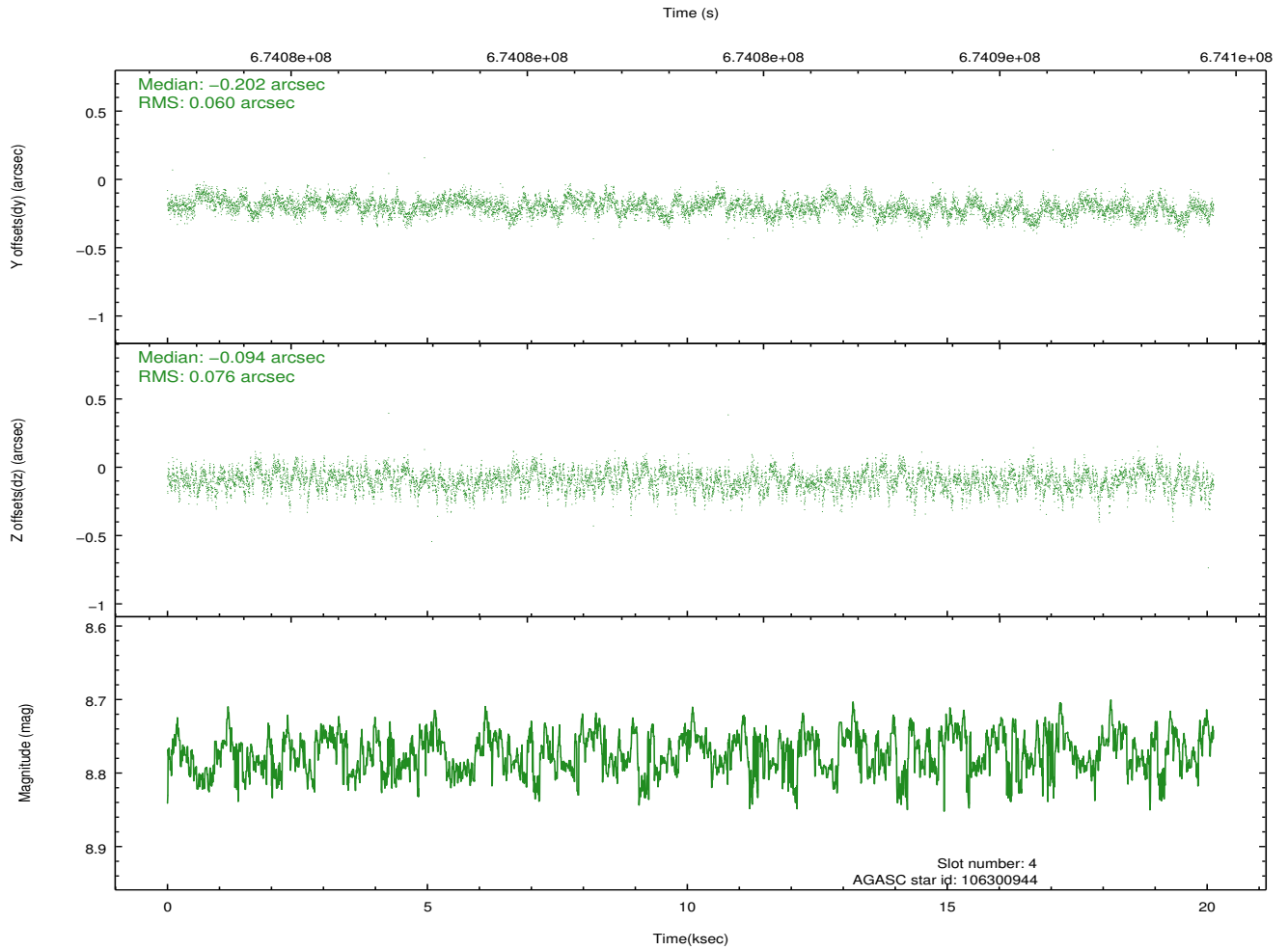
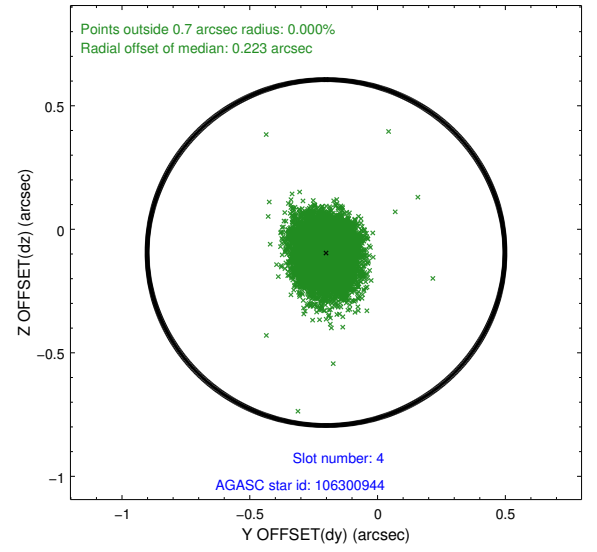
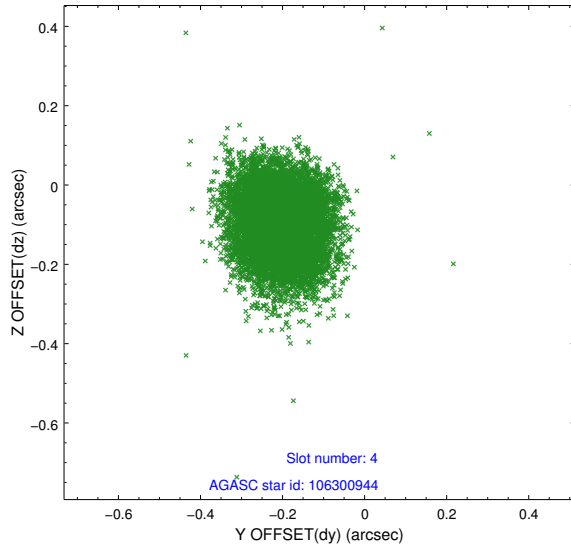
id	status	used	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		6.98	4910	1.000	-0.257	-0.147	0.029	0.040	0.000000	0.000000	-763.21	-1740
1	FID		7.10	4910	1.000	0.647	0.164	0.059	0.115	0.000000	0.000000	2150.81	168
2	FID		7.09	4910	1.000	-0.411	-0.009	0.044	0.083	0.000000	0.000000	-1816.02	162
3	GUIDE	used	7.97	9810	1.000	0.352	0.081	0.078	0.129	132.507770	8.274053	1101.65	-424
4	GUIDE	used	8.77	9812	1.000	-0.202	-0.094	0.102	0.164	133.096397	8.208025	708.98	1648
5	GUIDE	used	6.65	9818	1.000	-0.281	-0.389	0.104	0.159	133.068297	8.062918	1240.80	1712
6	GUIDE	used	7.74	9814	1.000	-0.145	0.019	0.084	0.146	133.141946	9.067350	-2293.78	888
7	GUIDE	used	7.33	9816	1.000	0.276	0.382	0.084	0.128	132.583563	9.271493	-2409.90	-1224

2.4 Star Slots

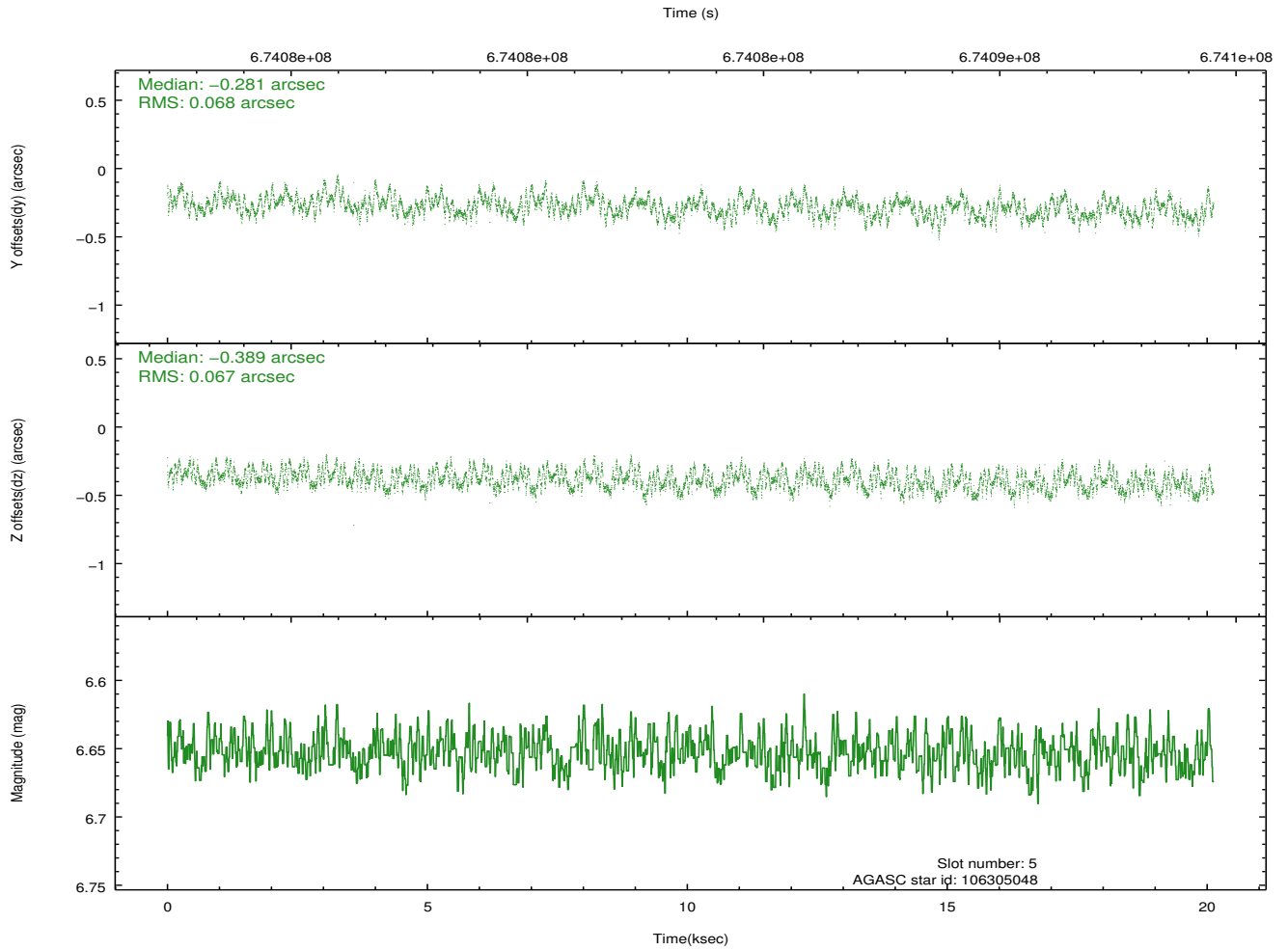
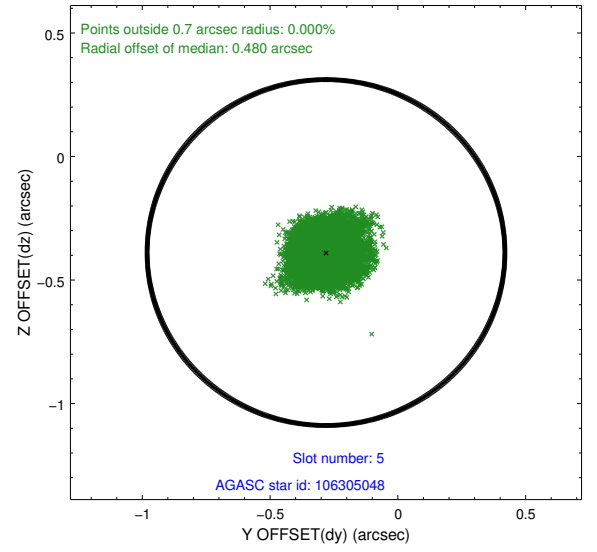
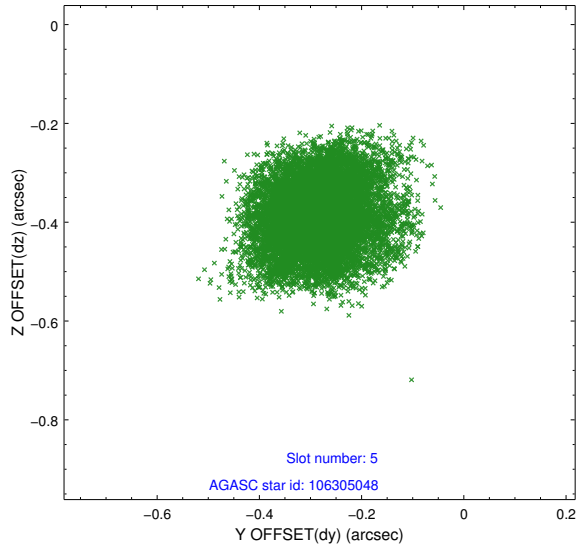
2.4.1 Slot 3



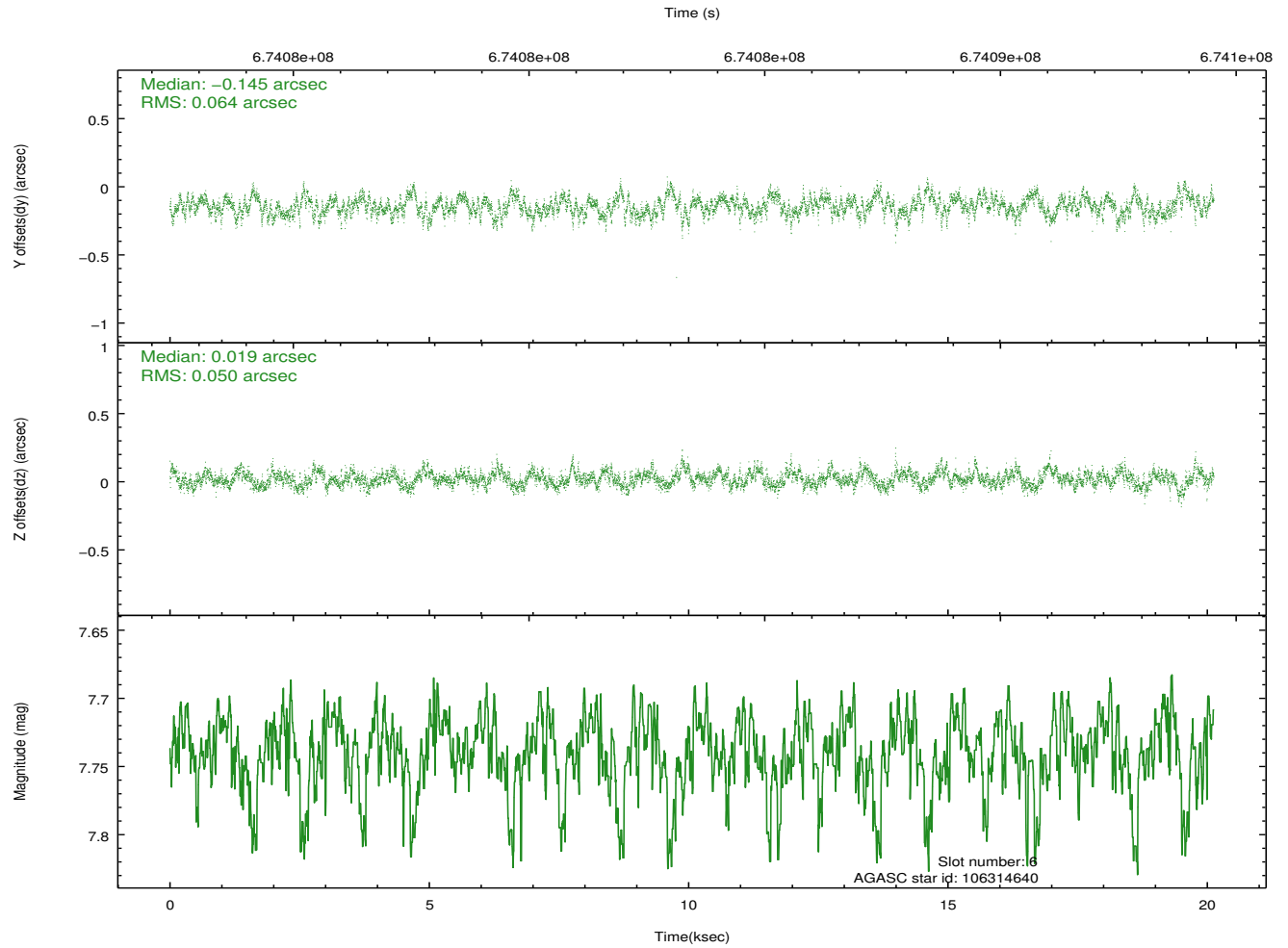
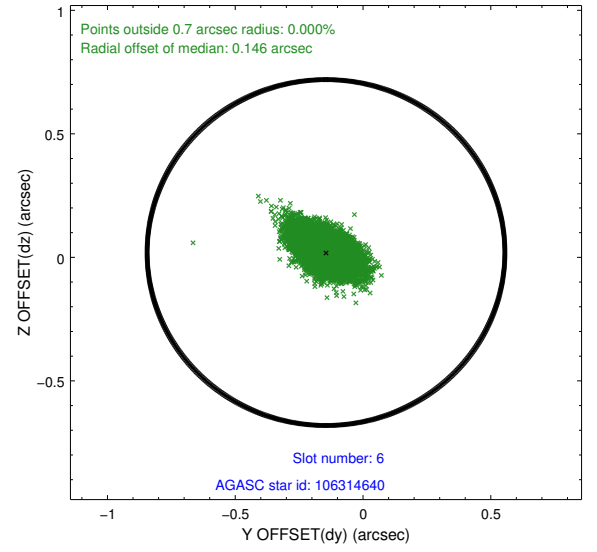
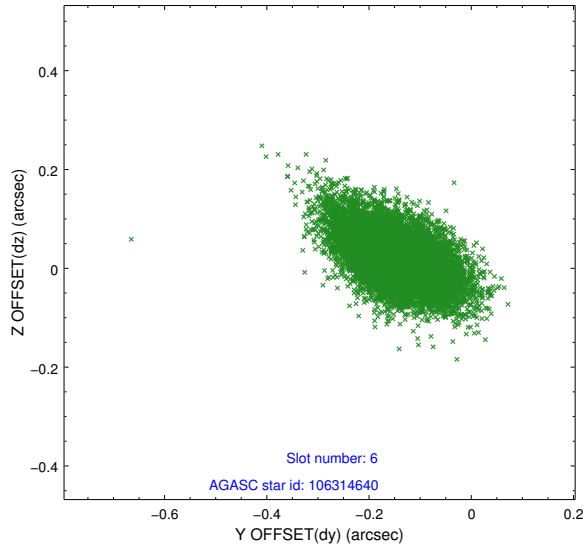
2.4.2 Slot 4



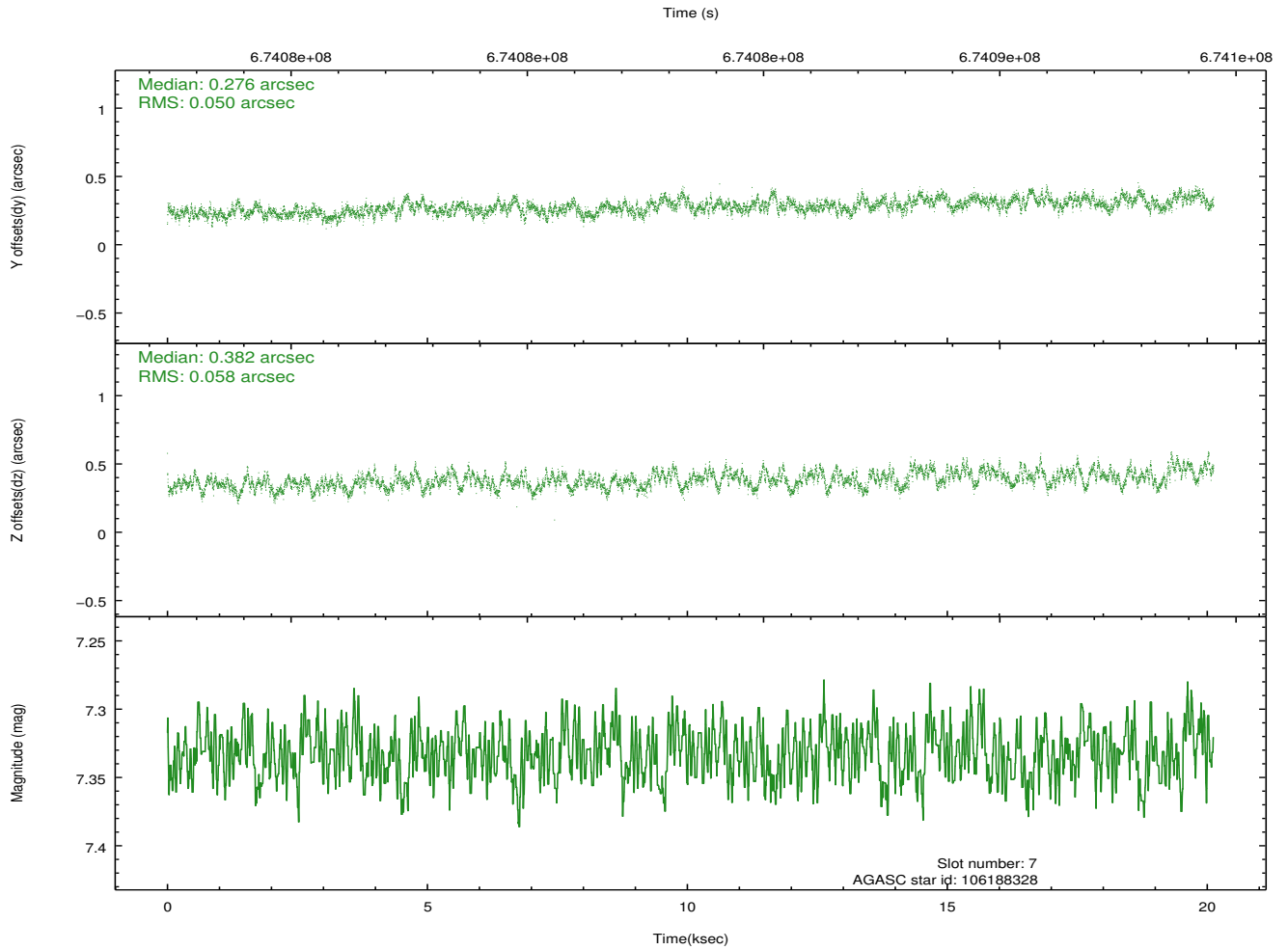
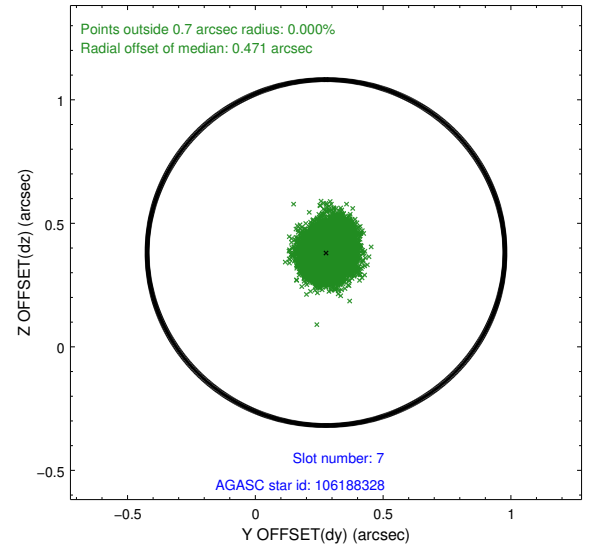
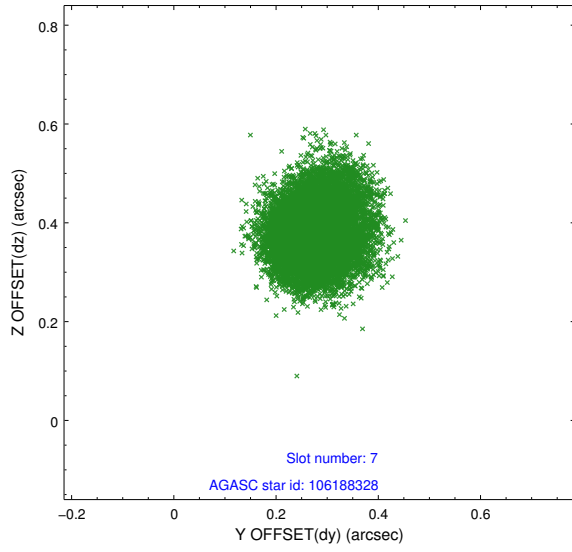
2.4.3 Slot 5



2.4.4 Slot 6

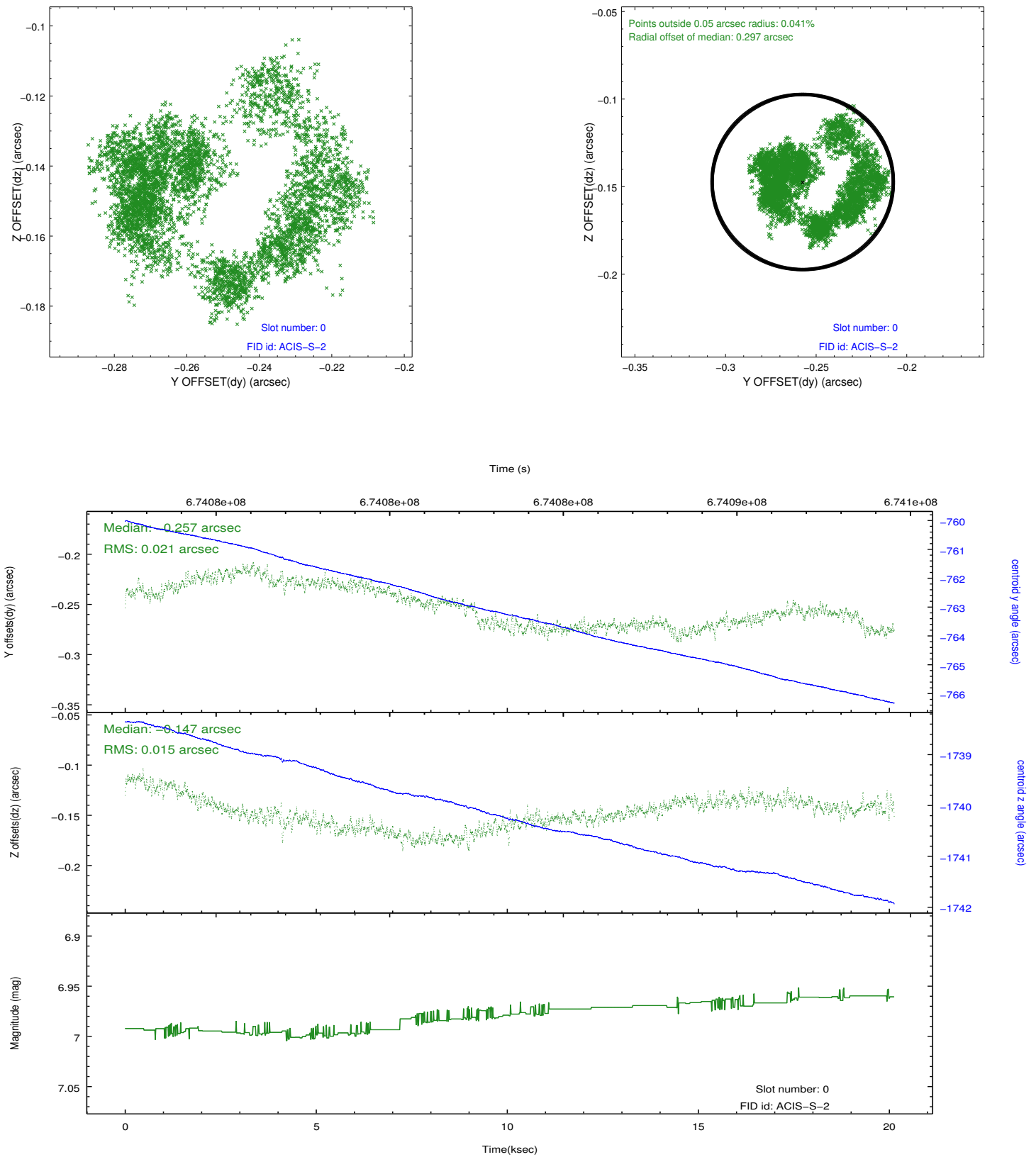


2.4.5 Slot 7

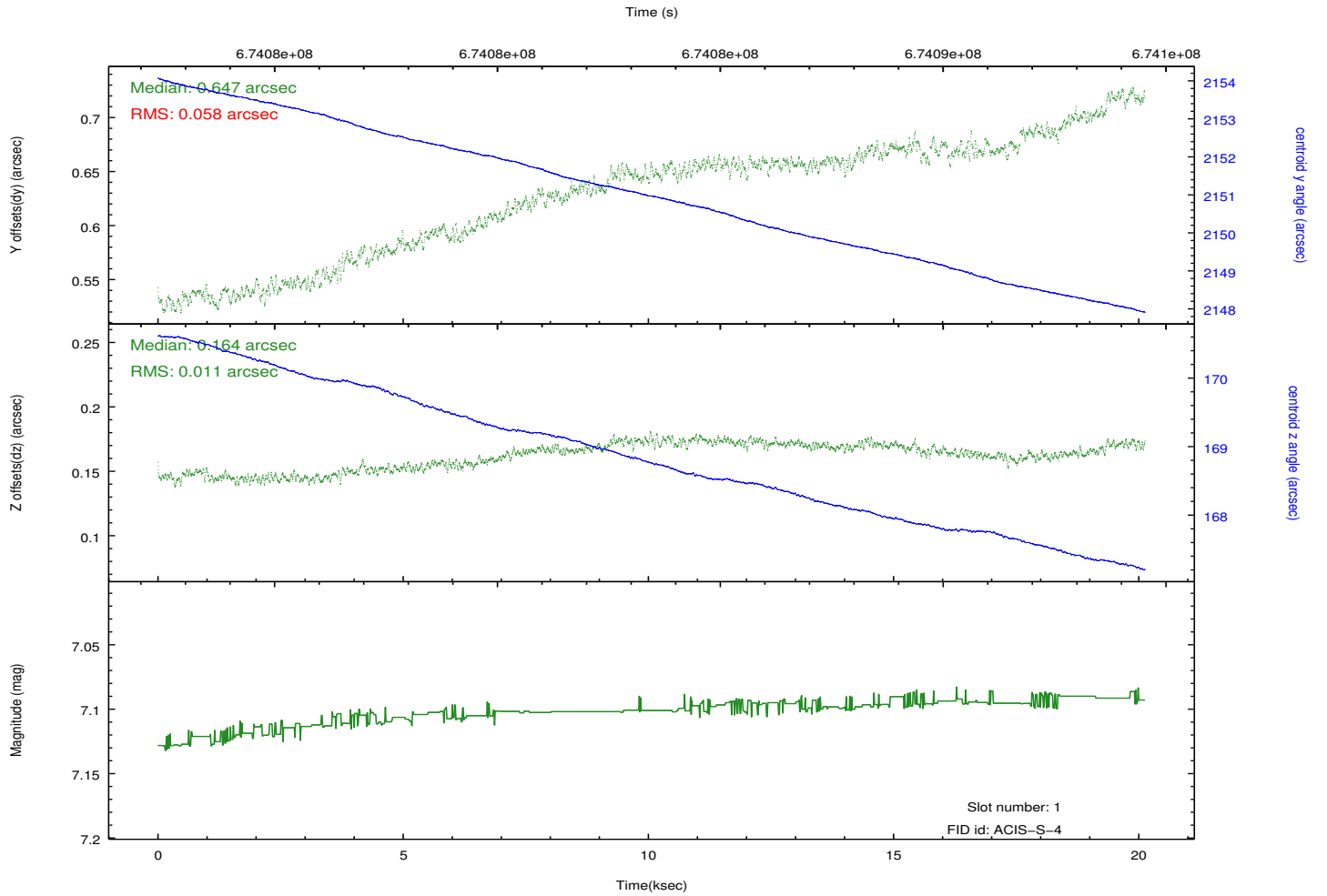
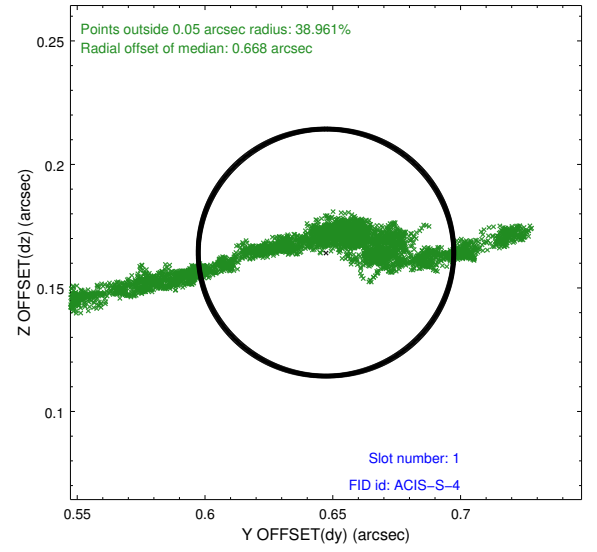
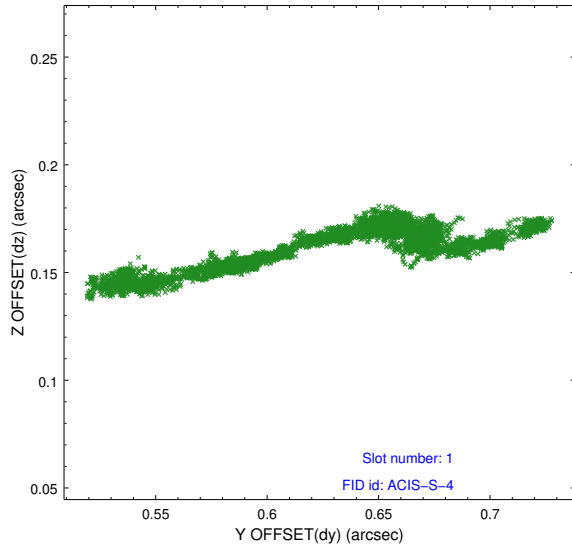


2.5 FID Slots

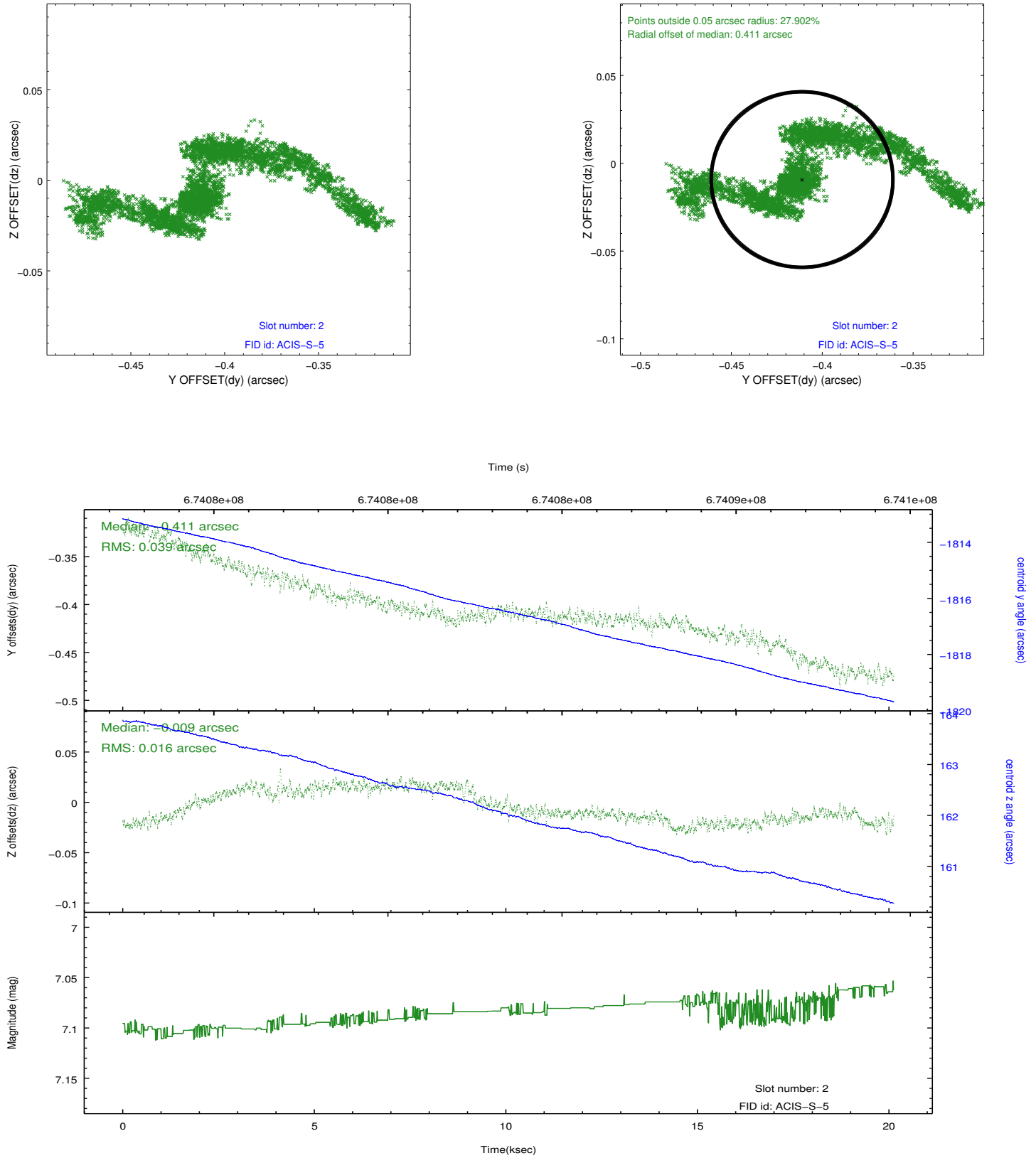
2.5.1 Slot 0



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)	2019.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.082

A.2 Comments