

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17045 - L2 Version 1
Chandra X-Ray Center

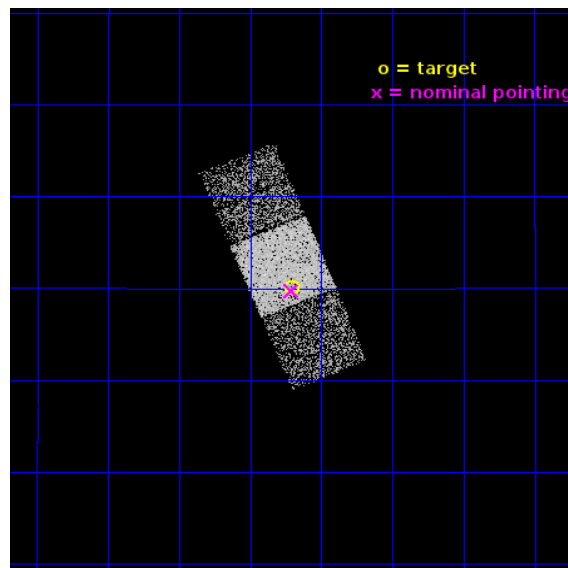
L2 Processing Date : Jun 29 2015

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1 Front

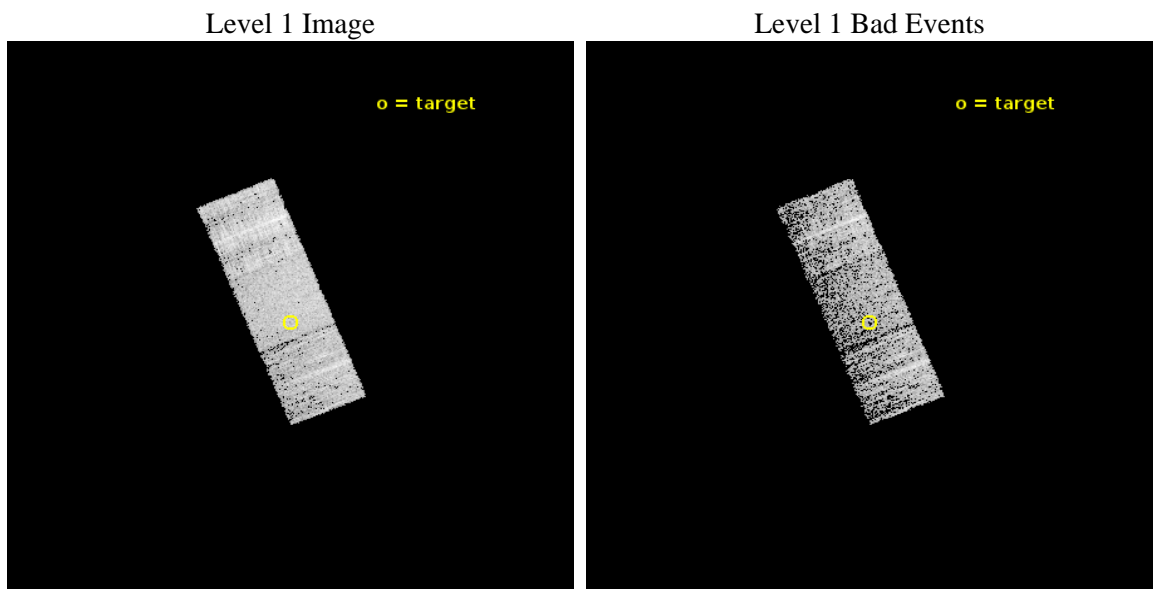
seq_num	703049	Sequence number
obs_id	17045	Observation id
title	The Nature of Quasars with Redshifted Broad Absorption Lines	Propo
observer	Prof. William Brandt	Principal investigator
object	SDSS J1034+0720	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.55125	Observer's specified target RA [deg]
dec_targ	7.334333	Observer's specified target Dec [deg]
ra_nom	158.55277830196	Nominal RA [deg]
dec_nom	7.3290722263422	Nominal Dec [deg]
roll_nom	247.59613286212	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4113.7000317574	Sum of GTIs [s]
livetime	4059.9515123805	Livetime [s]
ontime6	4113.7000317574	Sum of GTIs [s]
ontime7	4113.7000317574	Sum of GTIs [s]
ontime8	4113.7000317574	Sum of GTIs [s]
l2events	15546	Number of level 2 events



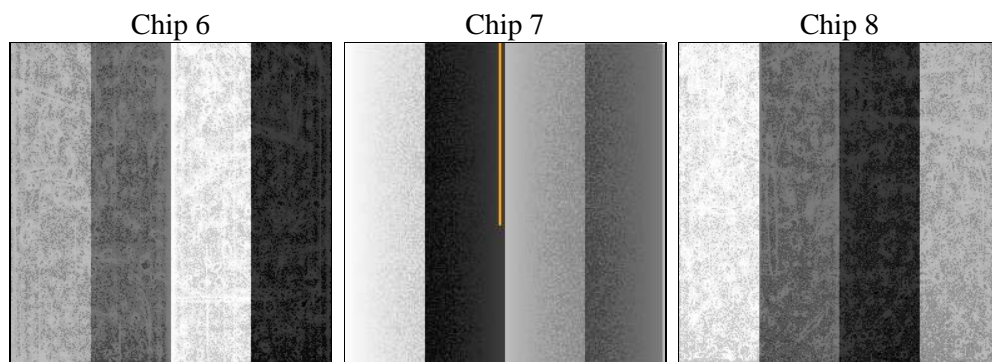
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	4113.7000317574	Sum of GTIs [s]
caldbver	4.6.7	 	ontime6	4113.7000317574	Sum of GTIs [s]
date	2015-06-29T14:55:27	Date and time of file creation	ontime7	4113.7000317574	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4113.7000317574	Sum of GTIs [s]
			l1events	81159	Number of level 1 events

2.1.4 Events

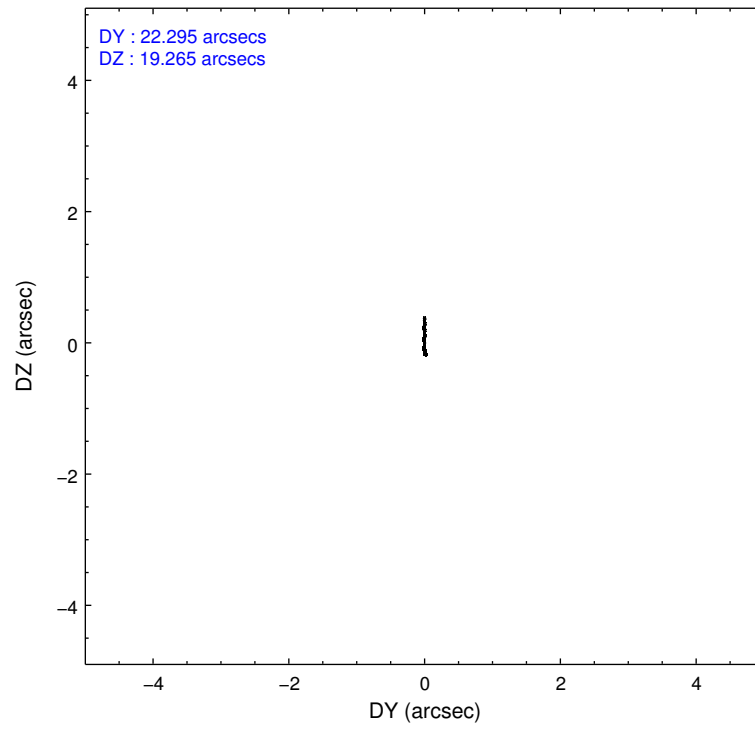
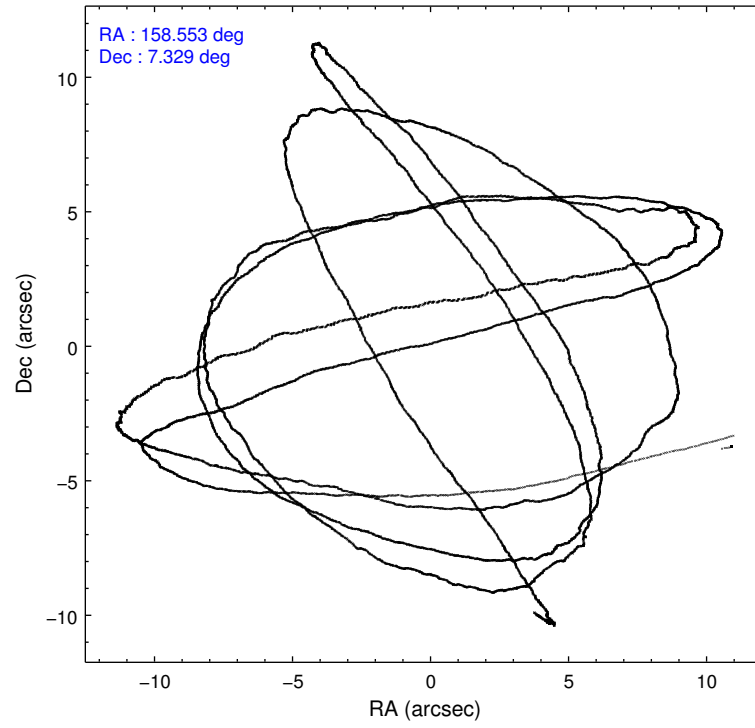
	ccd 6	ccd 7	ccd 8
level 1 events	21434	26577	33148
rejected events	18902	15160	20676
rejected %	88%	57%	62%

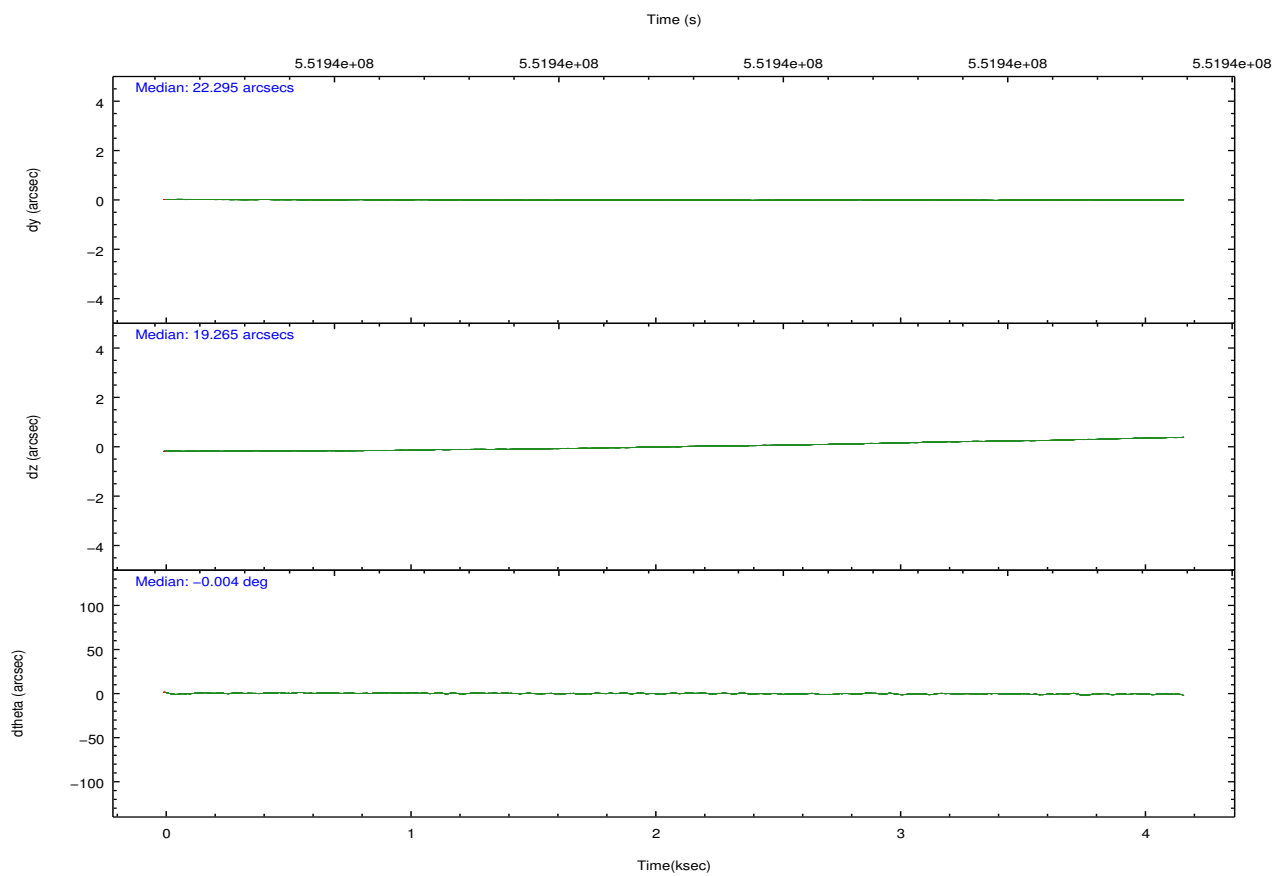
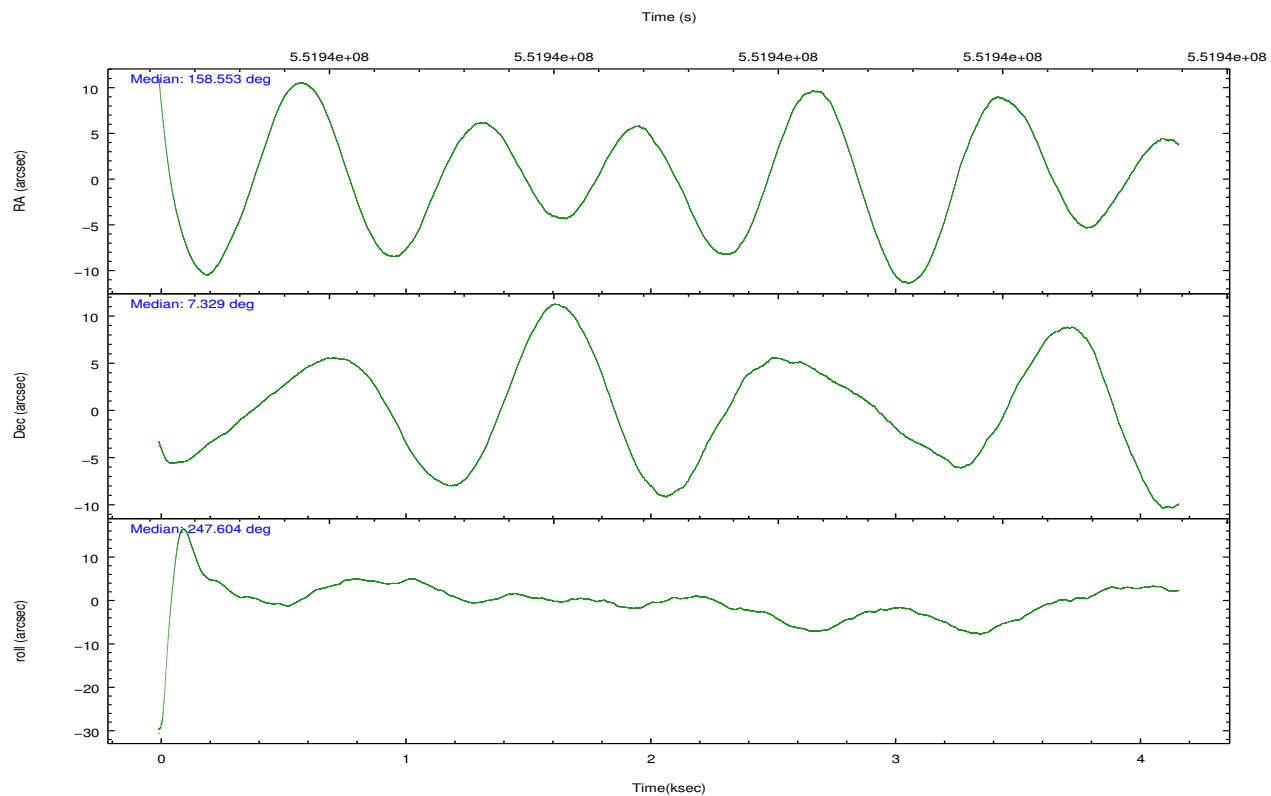
	ccd 6	ccd 7	ccd 8
grade 0 events	870	974	3713
	4%	3%	11%
grade 1 events	17	43	35
	0%	0%	0%
grade 2 events	619	2455	2389
	2%	9%	7%
grade 3 events	219	872	1802
	1%	3%	5%
grade 4 events	247	877	1665
	1%	3%	5%
grade 5 events	923	2547	1607
	4%	9%	4%
grade 6 events	578	6249	2905
	2%	23%	8%
grade 7 events	17961	12560	19032
	83%	47%	57%

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	158.548793	158.5527783019593	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.356280	7.329072226342177	Alternating exposures requested	N	N
[deg] Pointing Roll	247.440213	247.5961328621151	[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)	551938588.184000	551937495.08122			
Observation start date	2015-06-29T04:15:21	2015-06-29T03:58:15			
[s] Observation end time (MET)	551942588.184000	551943337.06905			
Observation end date	2015-06-29T05:22:01	2015-06-29T05:35:37			
Read mode	TIMED	TIMED			

2.3 Aspect



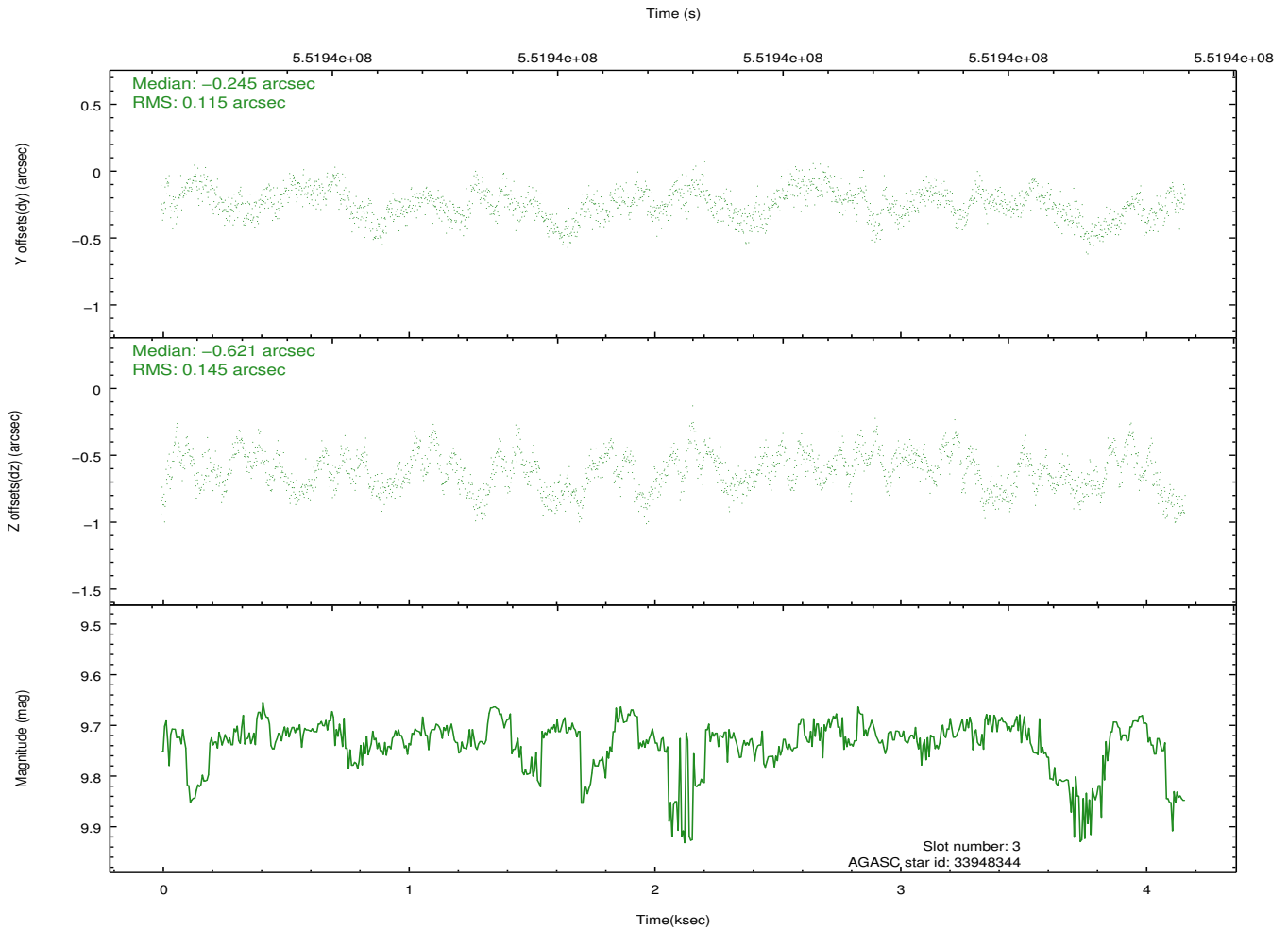
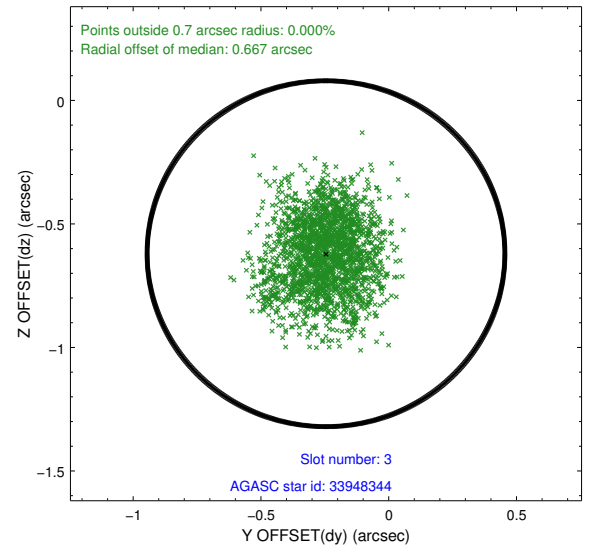
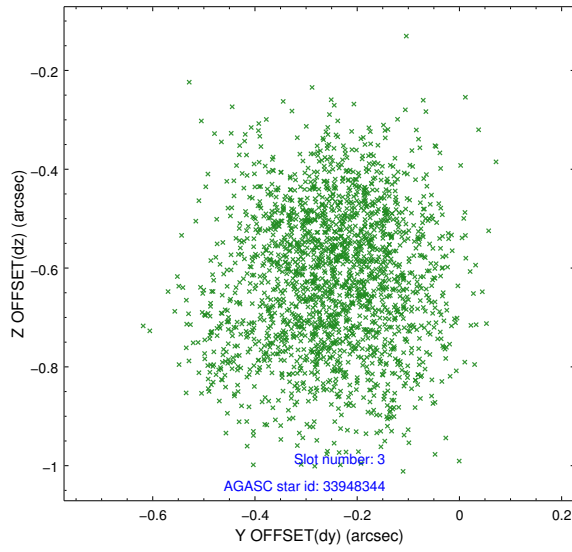


Slot Statistics

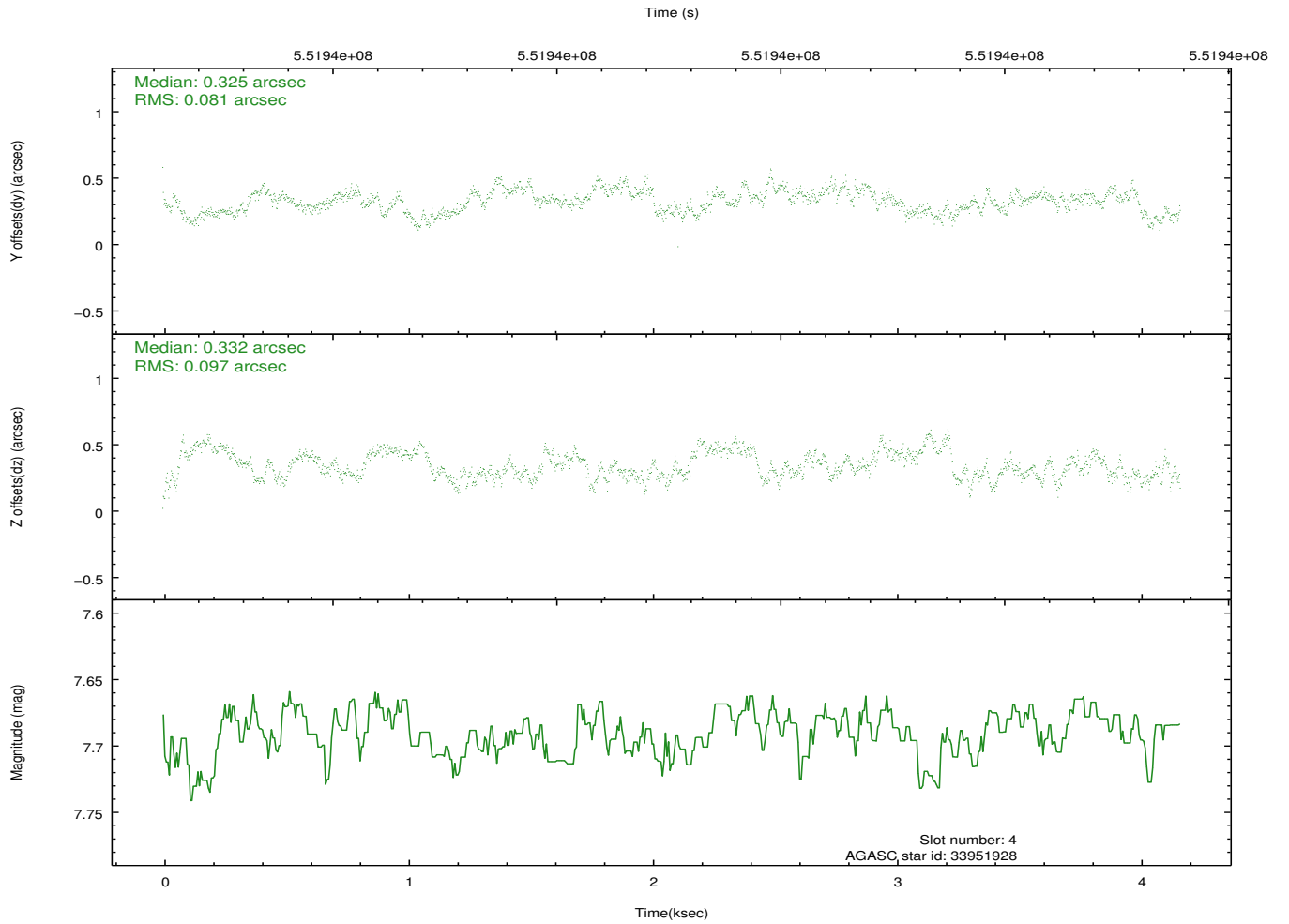
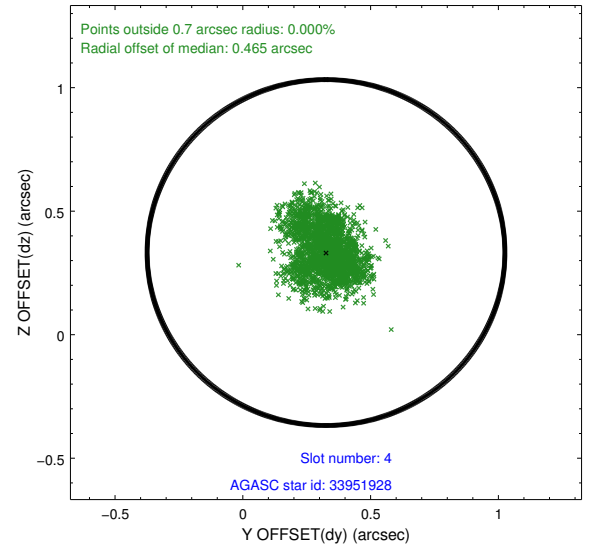
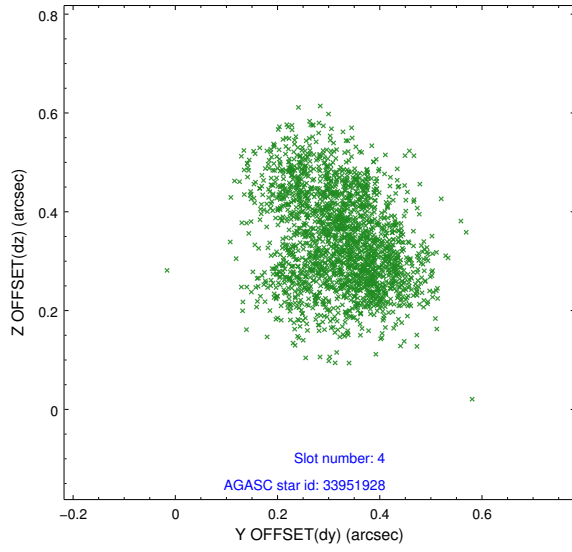
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	1016	-0.164	-0.125	0.009	0.016	0.000000	0.000000	-775.61	-1740.92
1	FID		ACIS-S-4	7.20	1017	0.417	0.113	0.005	0.010	0.000000	0.000000	2137.54	166.27
2	FID		ACIS-S-5	7.22	1017	-0.284	0.021	0.009	0.016	0.000000	0.000000	-1826.69	161.52
3	GUIDE	used	33948344	9.73	2028	-0.245	-0.621	0.200	0.314	158.545596	7.148819	694.31	275.57
4	GUIDE	used	33951928	7.69	2031	0.325	0.332	0.136	0.211	159.021386	7.036349	416.38	2001.57
5	GUIDE	used	33952024	9.82	2031	-0.206	-0.173	0.298	0.444	158.457196	6.715105	2257.70	583.90
6	GUIDE	used	33957992	9.44	2032	0.138	0.454	0.157	0.256	157.975357	6.946504	2148.80	-1326.54
7	GUIDE	used	109981032	9.43	2027	0.014	0.006	0.222	0.322	158.486225	7.510295	-424.71	-419.00

2.4 Star Slots

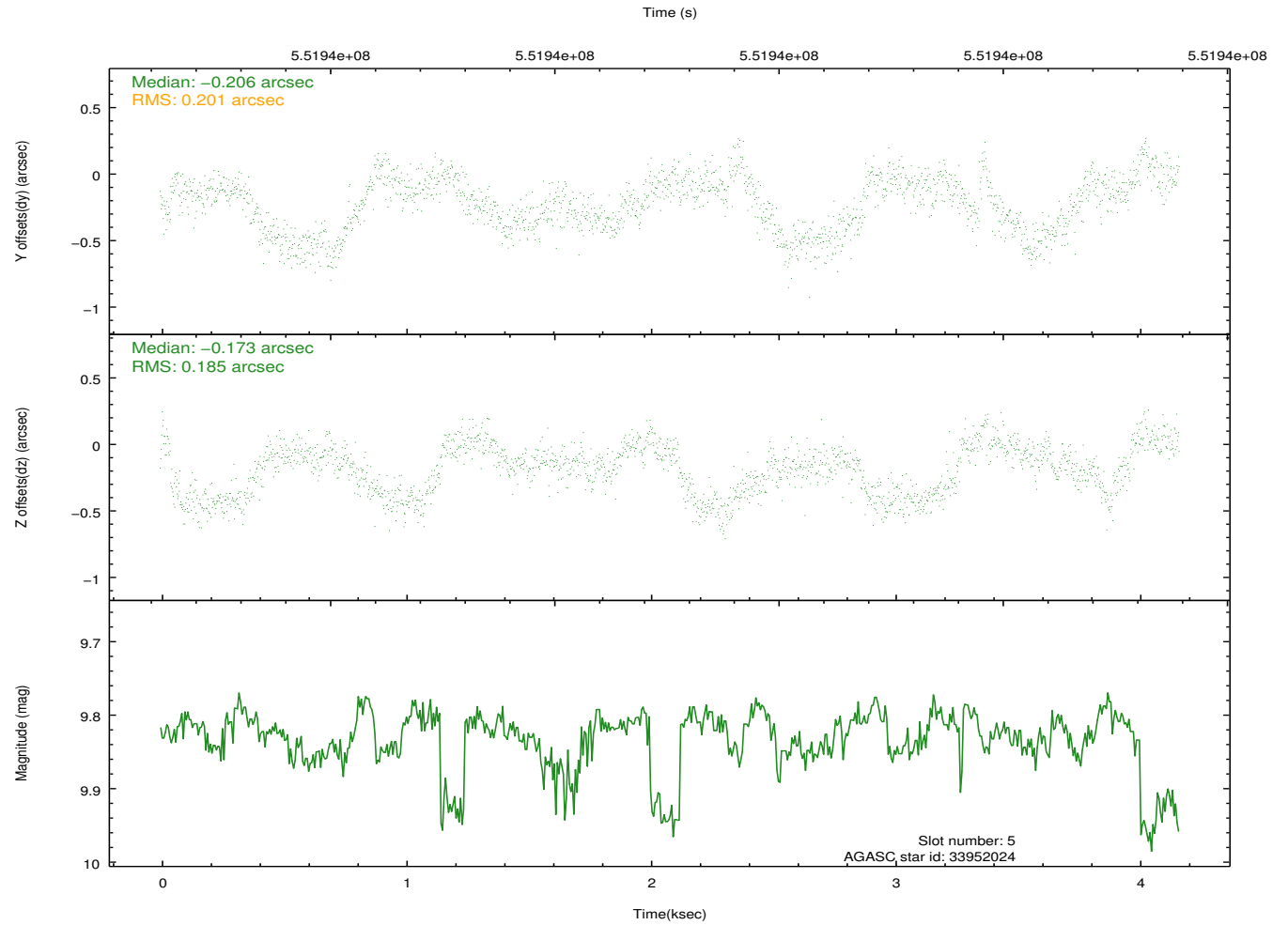
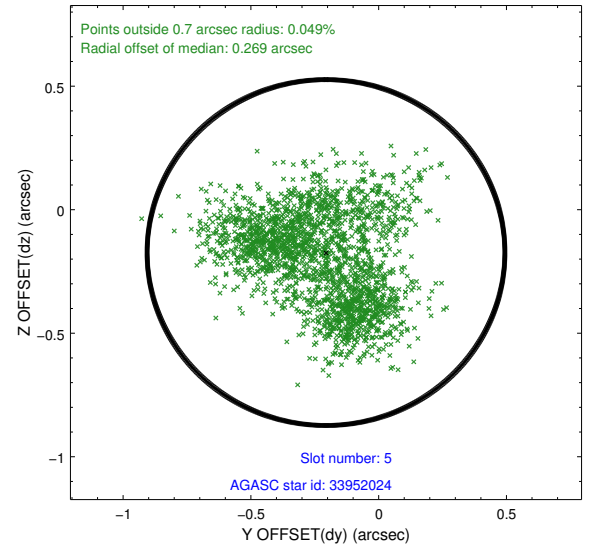
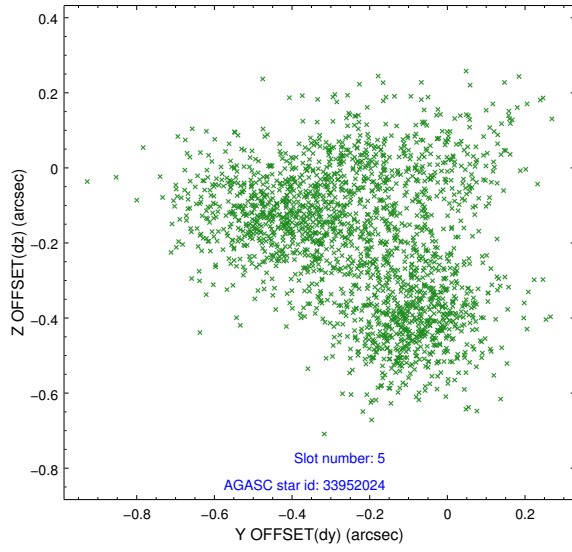
2.4.1 Slot 3



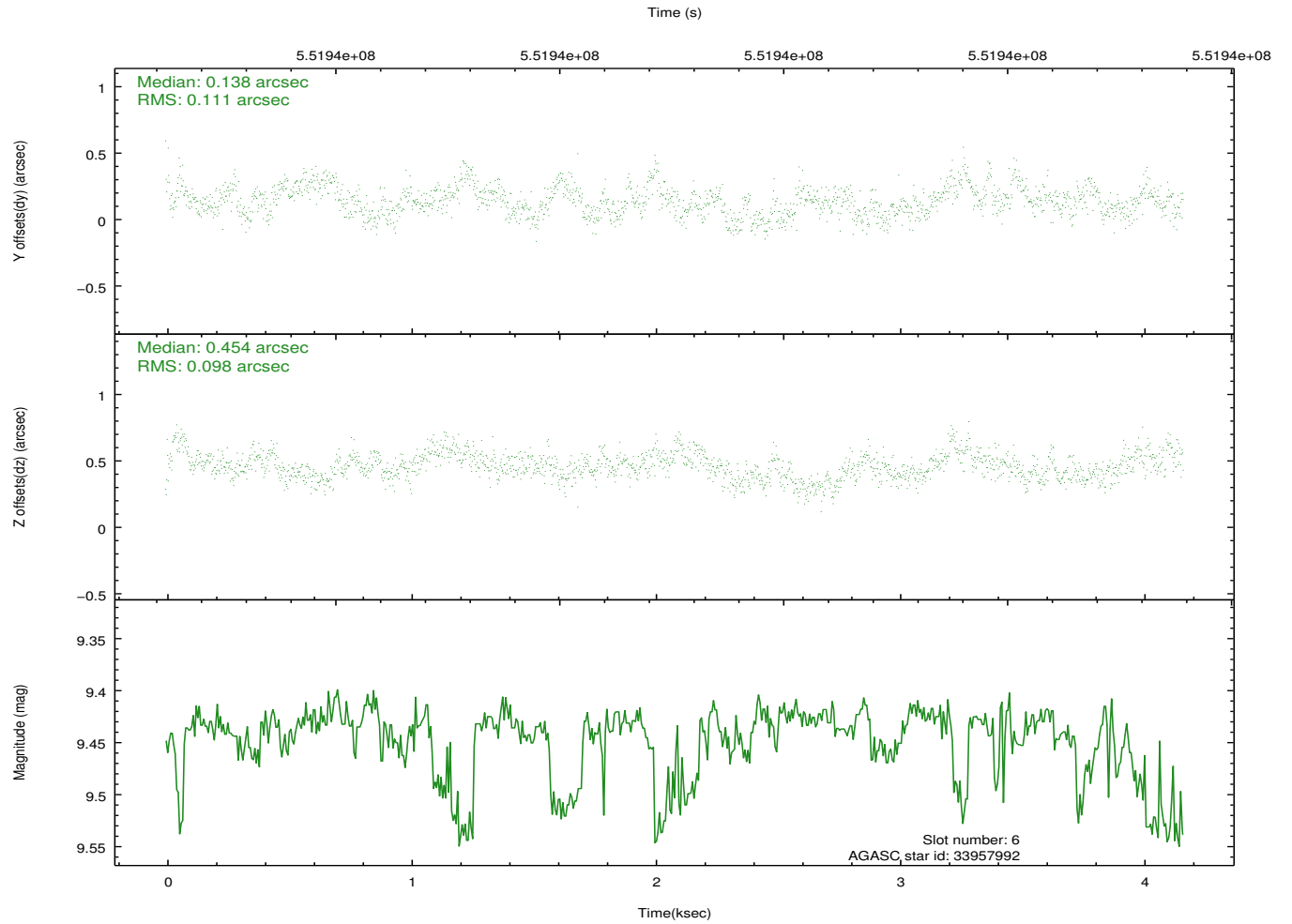
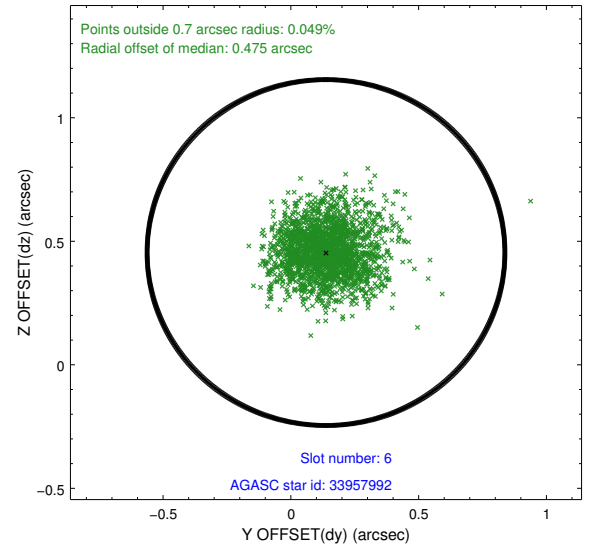
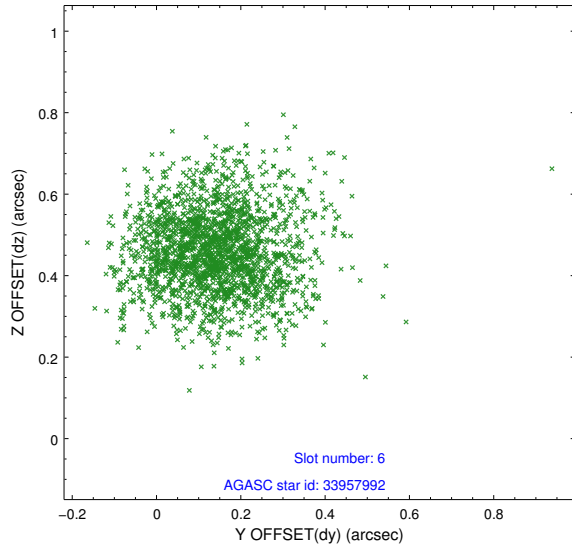
2.4.2 Slot 4



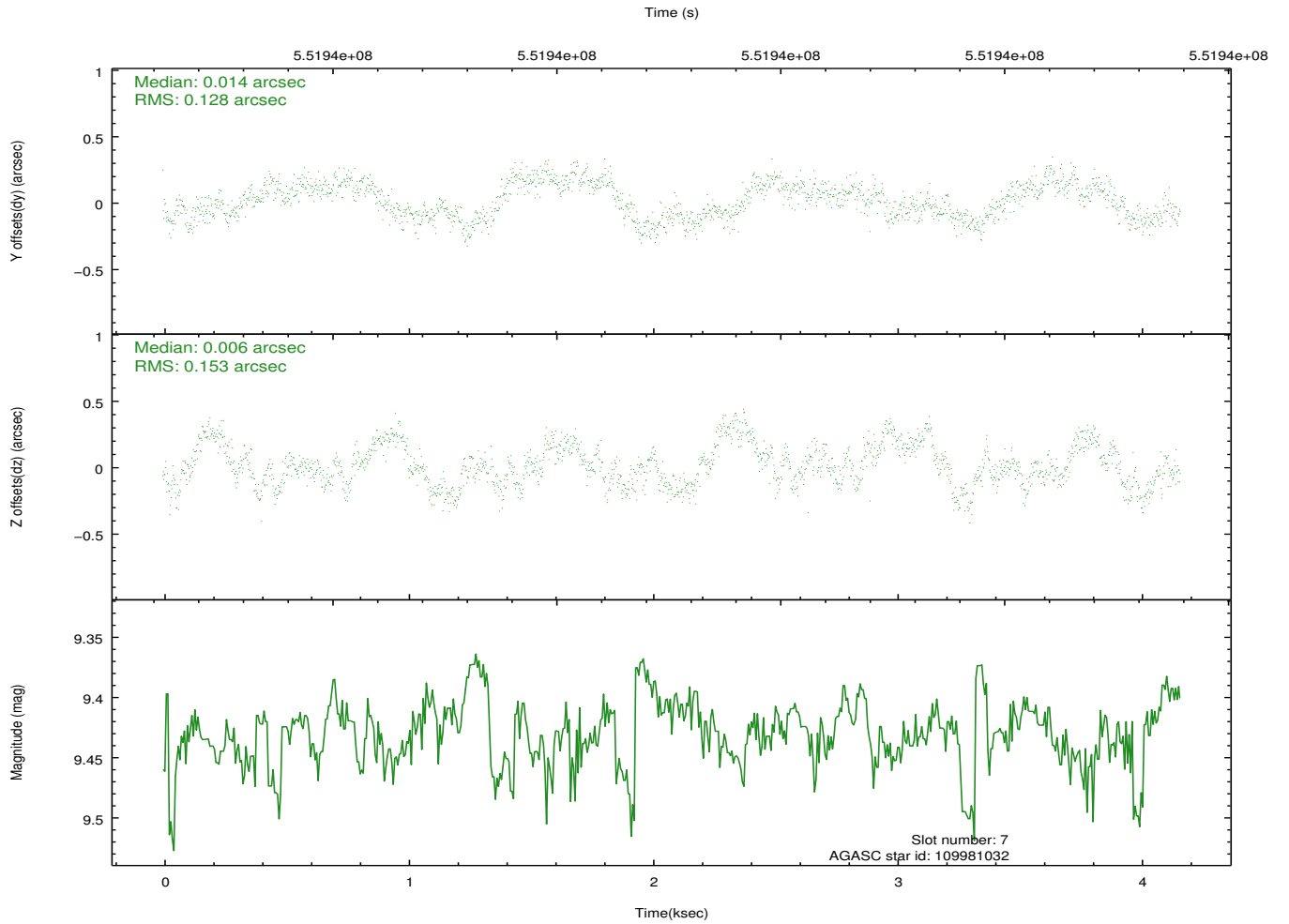
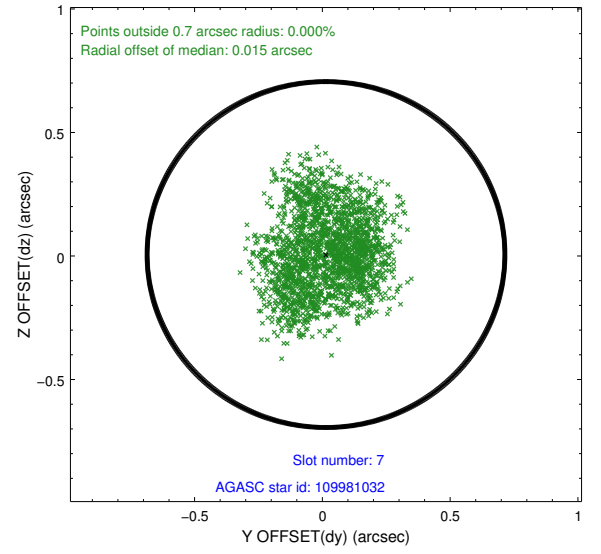
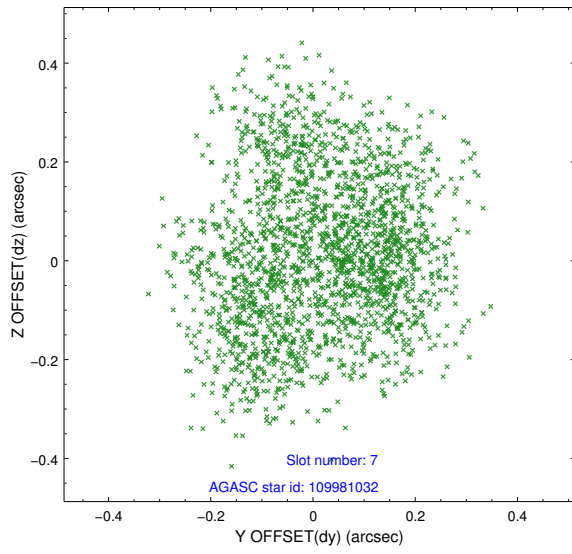
2.4.3 Slot 5



2.4.4 Slot 6

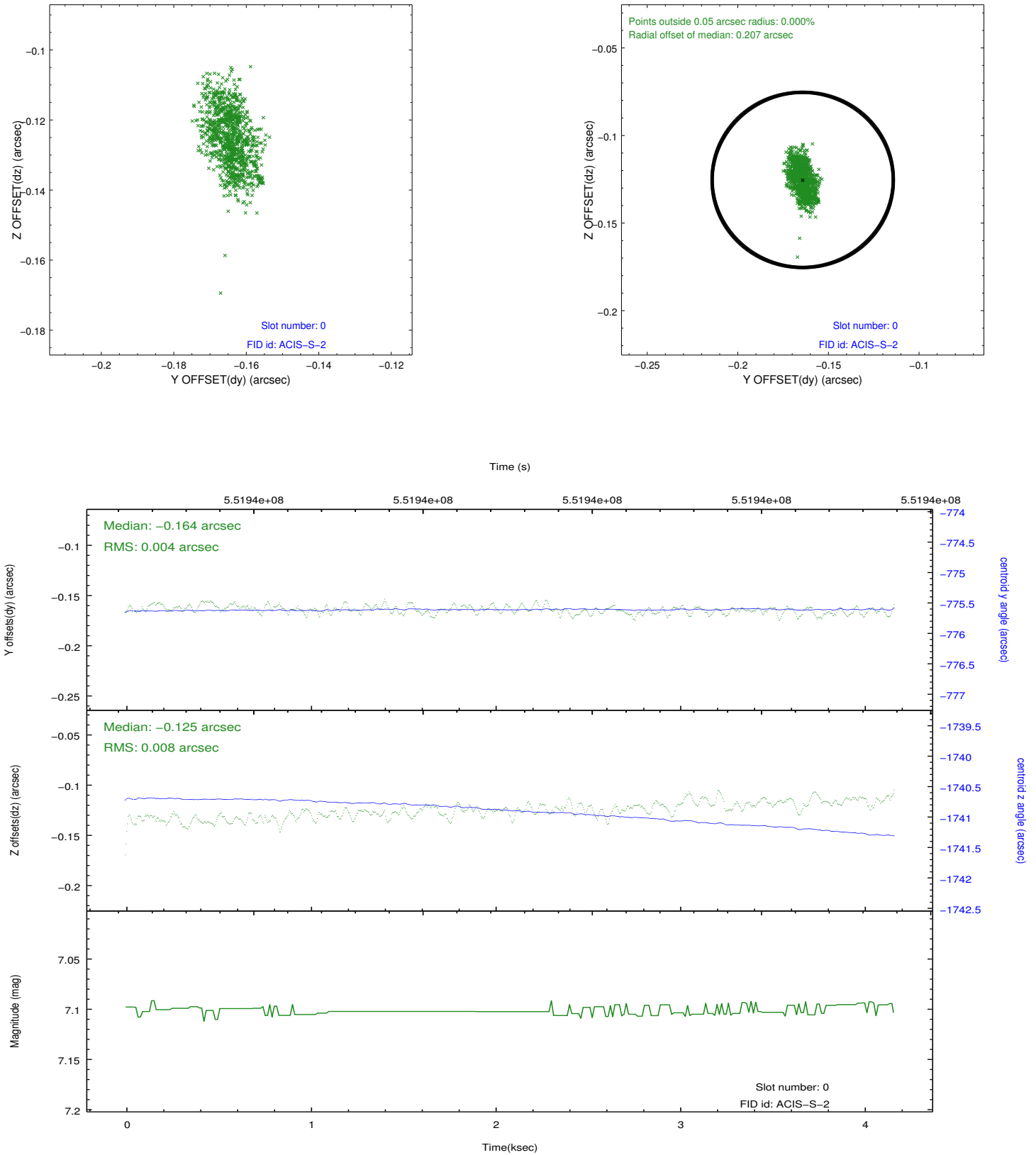


2.4.5 Slot 7

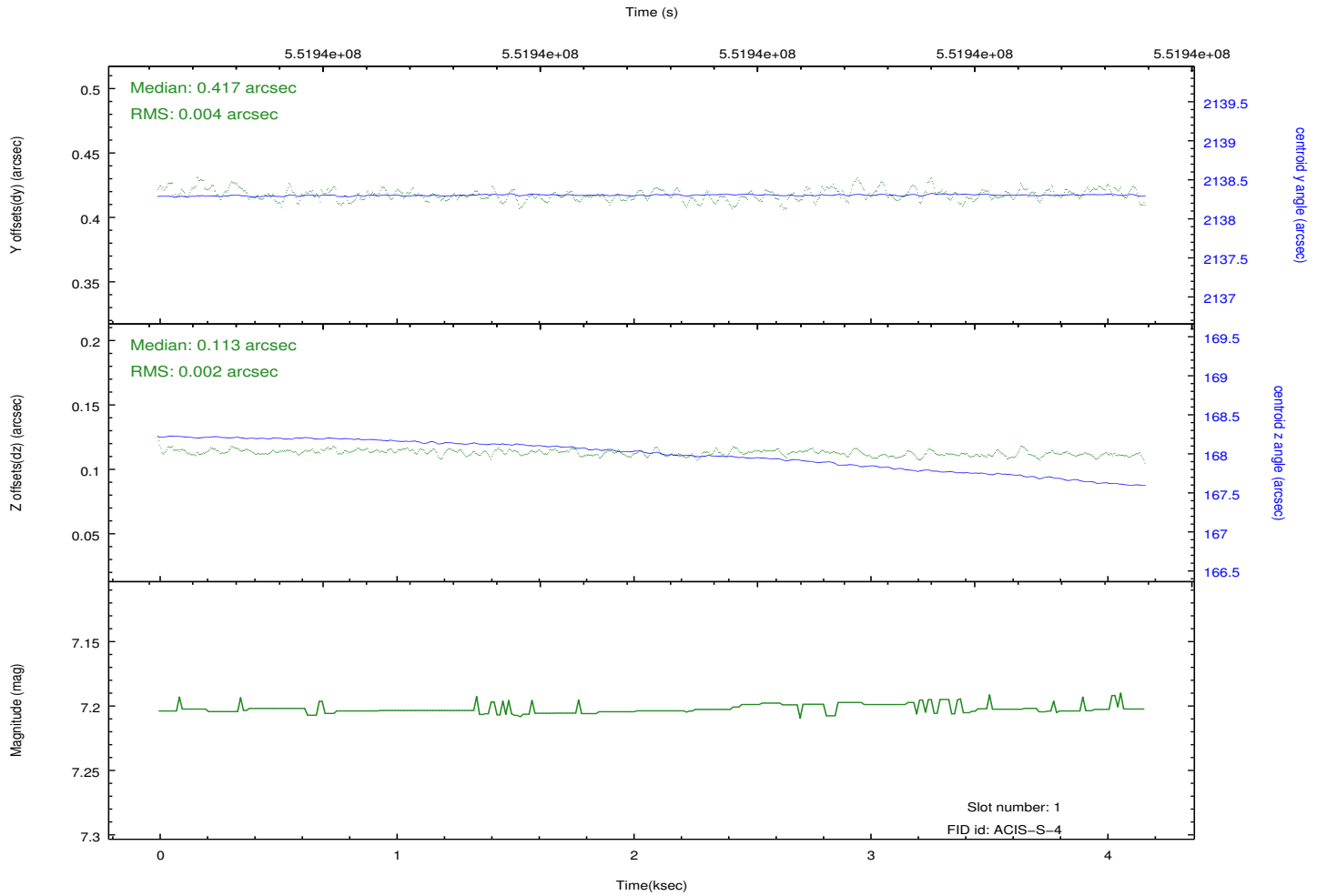
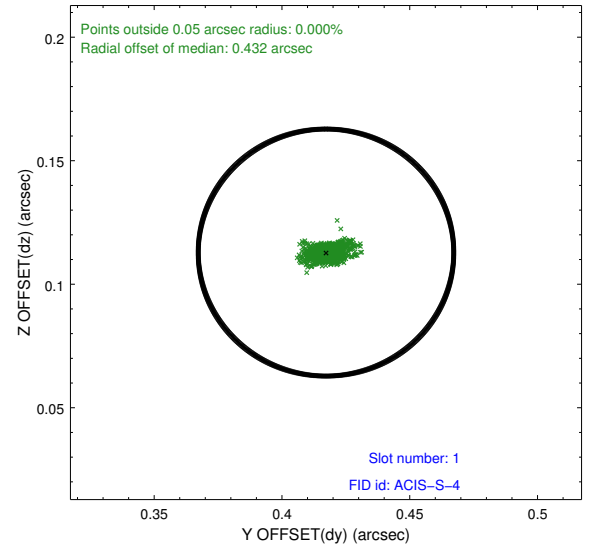
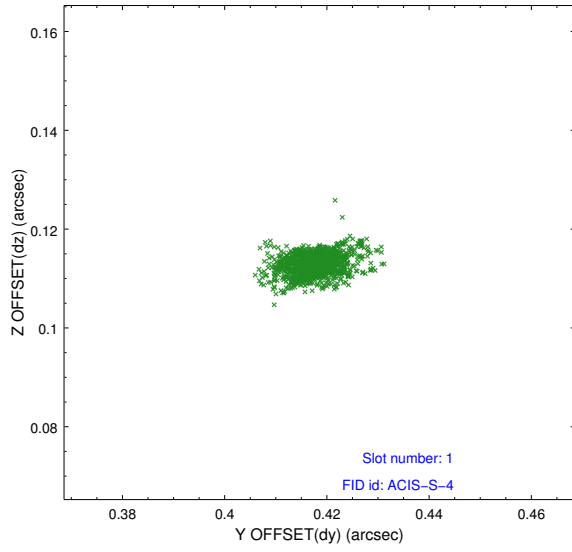


2.5 FID Slots

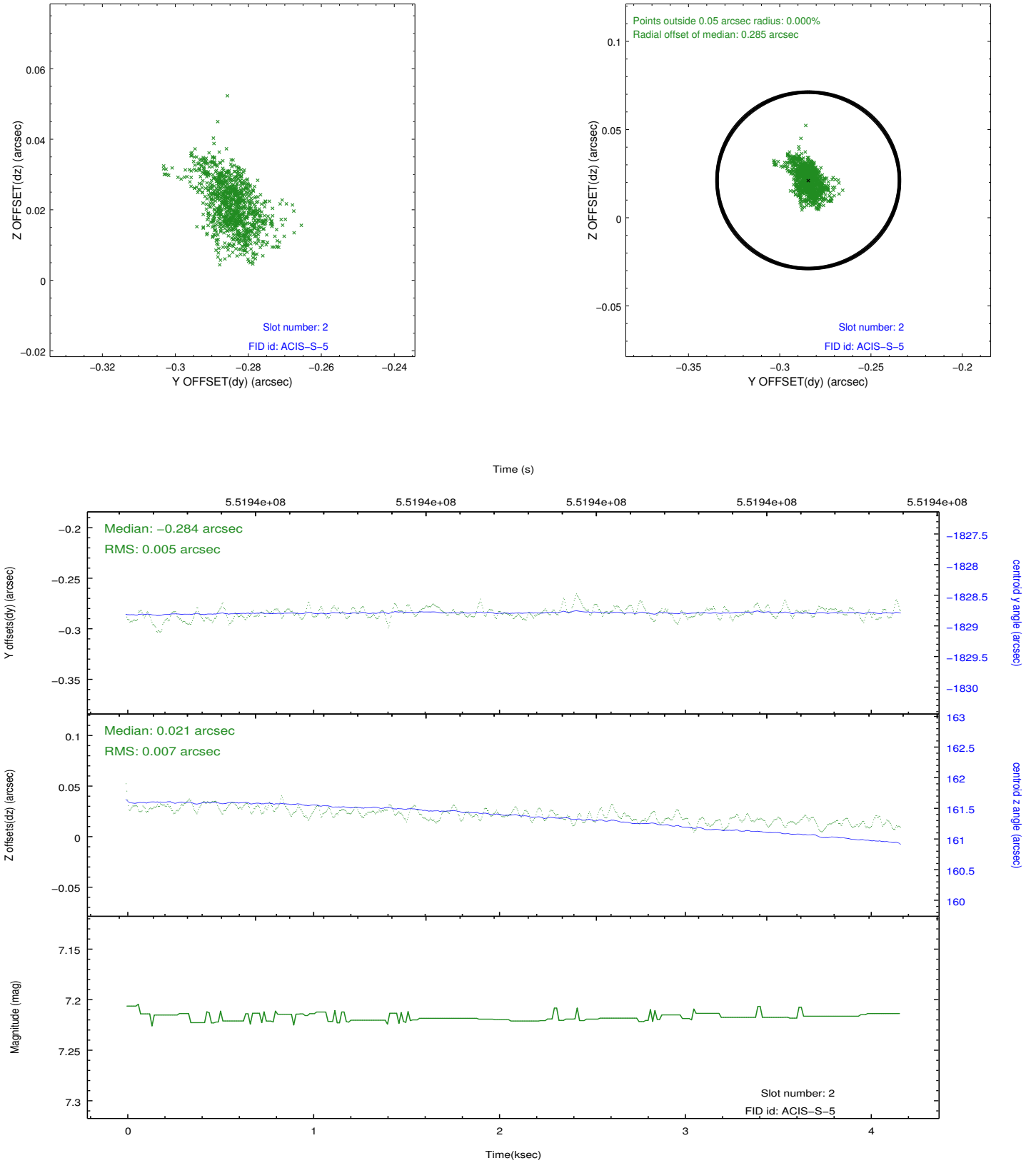
2.5.1 Slot 0



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)	2015.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1137000317574

A.2 Comments