

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13365 - L2 Version 1
Chandra X-Ray Center

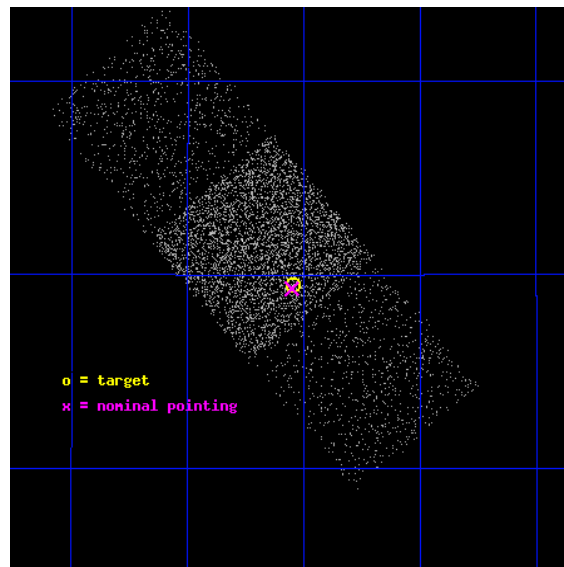
L2 Processing Date : Mar 4 2012

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

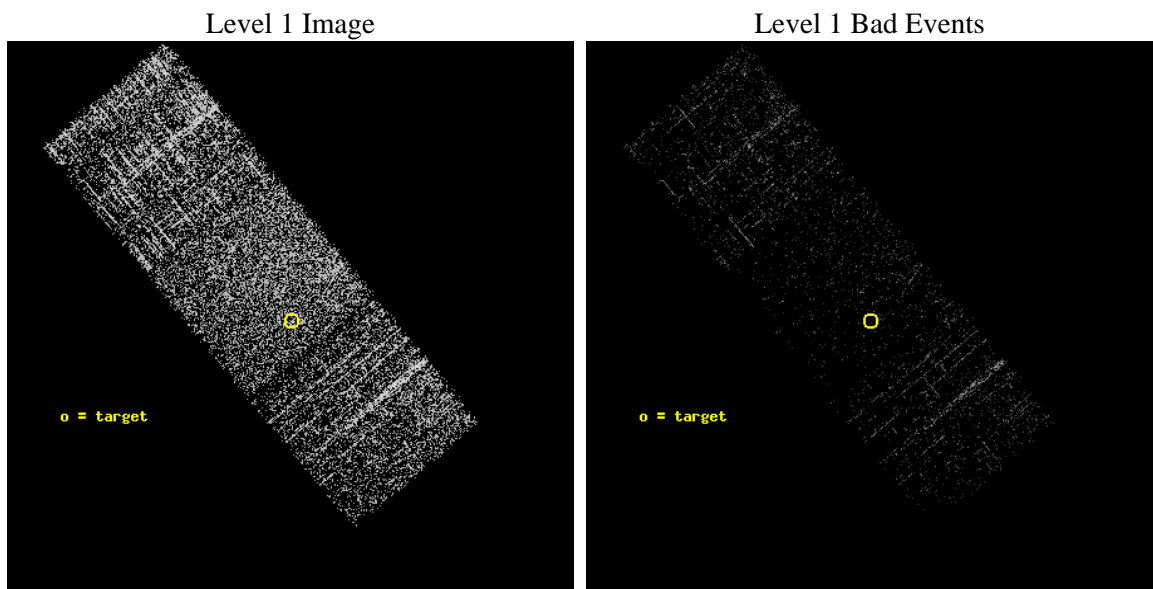
seq_num	702572	Sequence number
obs_id	13365	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0901+3549	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.262083	Observer's specified target RA [deg]
dec_targ	35.824583	Observer's specified target Dec [deg]
ra_nom	135.26304082825	Nominal RA [deg]
dec_nom	35.821318551793	Nominal Dec [deg]
roll_nom	230.33657163718	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1581.0000121593	Sum of GTIs [s]
livetime	1560.3430830852	Livetime [s]
ontime6	1581.0000121593	Sum of GTIs [s]
ontime7	1581.0000121593	Sum of GTIs [s]
ontime8	1581.0000121593	Sum of GTIs [s]
l2events	6350	Number of level 2 events



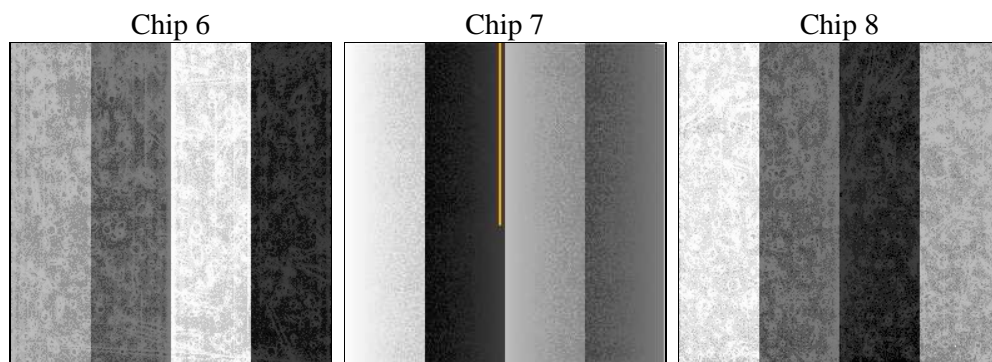
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1581.0000121593	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1581.0000121593	Sum of GTIs [s]
date	2012-03-04T21:11:39	Date and time of file creation	ontime7	1581.0000121593	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1581.0000121593	Sum of GTIs [s]
			l1events	29613	Number of level 1 events

2.1.4 Events

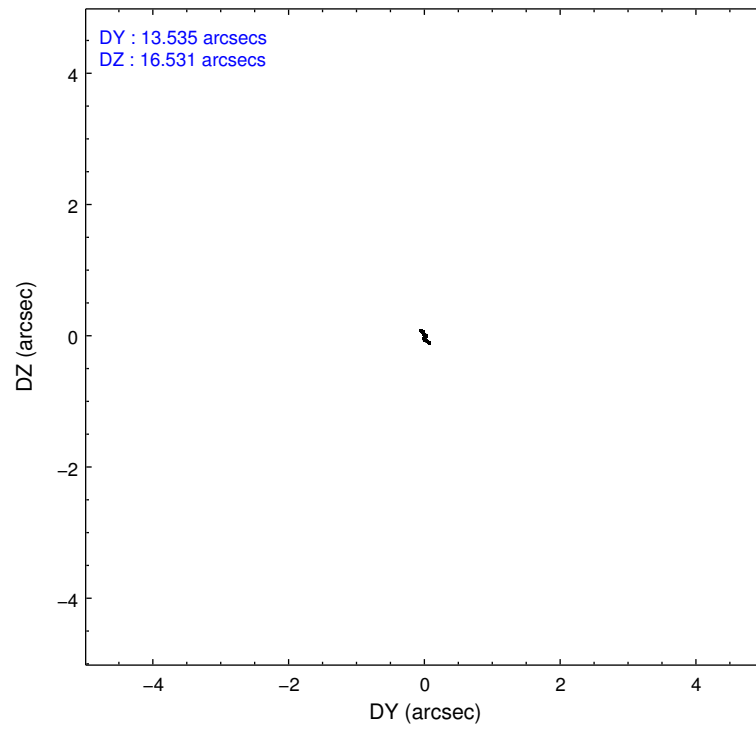
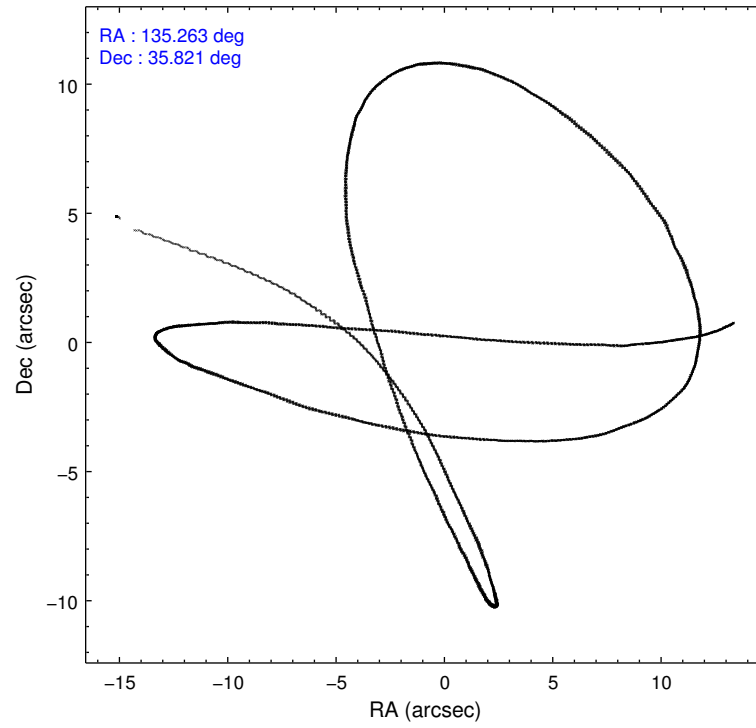
	ccd 6	ccd 7	ccd 8
level 1 events	8202	9636	11775
rejected events	7180	4995	8544
rejected %	87%	51%	72%

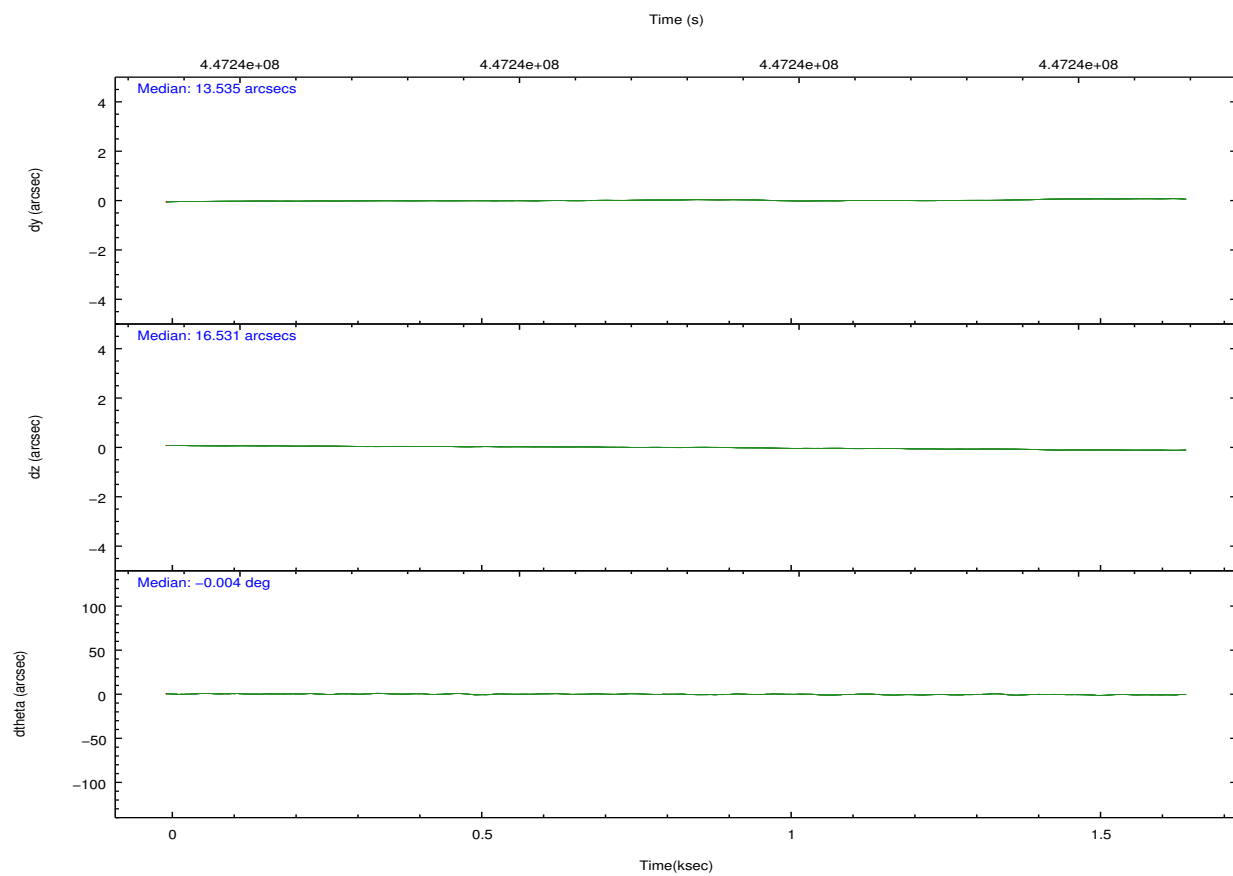
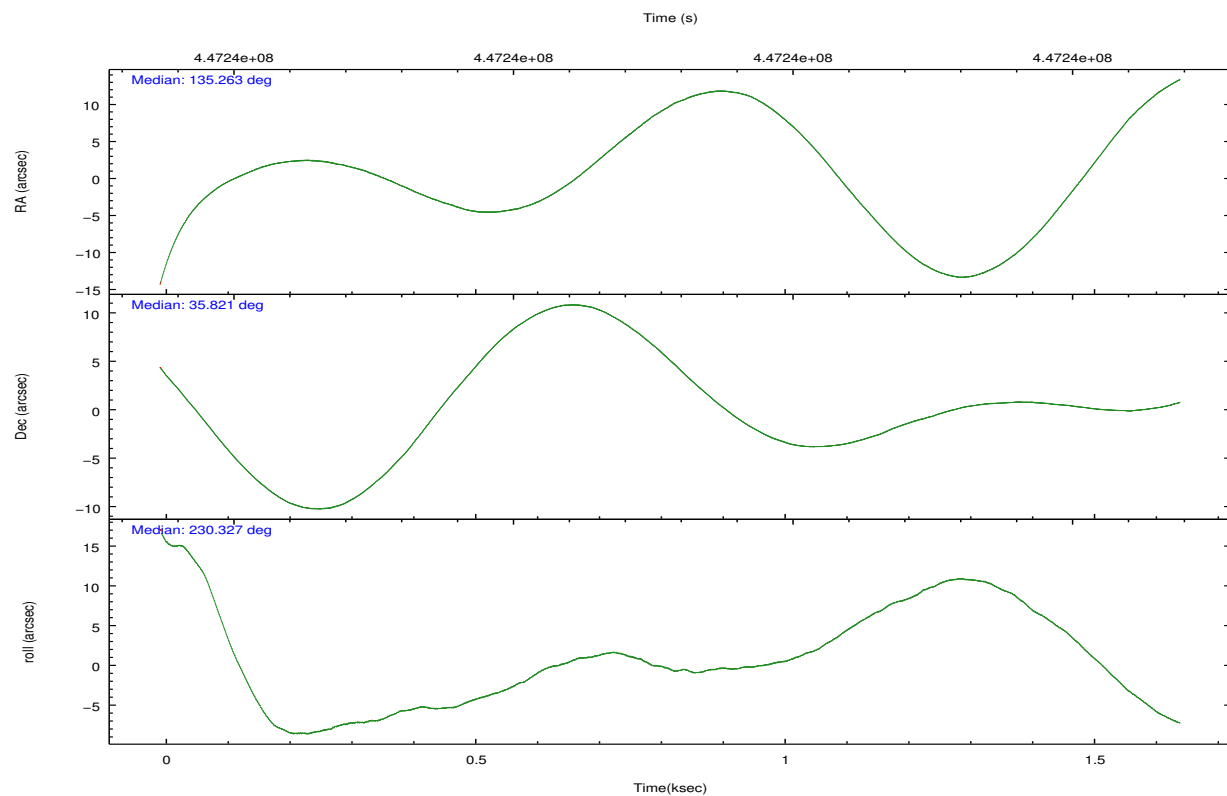
	ccd 6	ccd 7	ccd 8
grade 0 events	361	473	858
	4%	4%	7%
grade 1 events	4	11	7
	0%	0%	0%
grade 2 events	222	1024	864
	2%	10%	7%
grade 3 events	93	412	271
	1%	4%	2%
grade 4 events	119	419	270
	1%	4%	2%
grade 5 events	375	997	545
	4%	10%	4%
grade 6 events	230	2323	969
	2%	24%	8%
grade 7 events	6798	3977	7991
	82%	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	135.268427	135.2630408282531	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.848715	35.82131855179265	Alternating exposures requested	N	N
[deg] Pointing Roll	230.176769	230.3365716371792	[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)	447242601.184000	447241465.29821			
Observation start date	2012-03-04T10:02:15	2012-03-04T09:44:25			
[s] Observation end time (MET)	447244101.184000	447244914.93589			
Observation end date	2012-03-04T10:27:15	2012-03-04T10:41:54			
Read mode	TIMED	TIMED			

2.3 Aspect



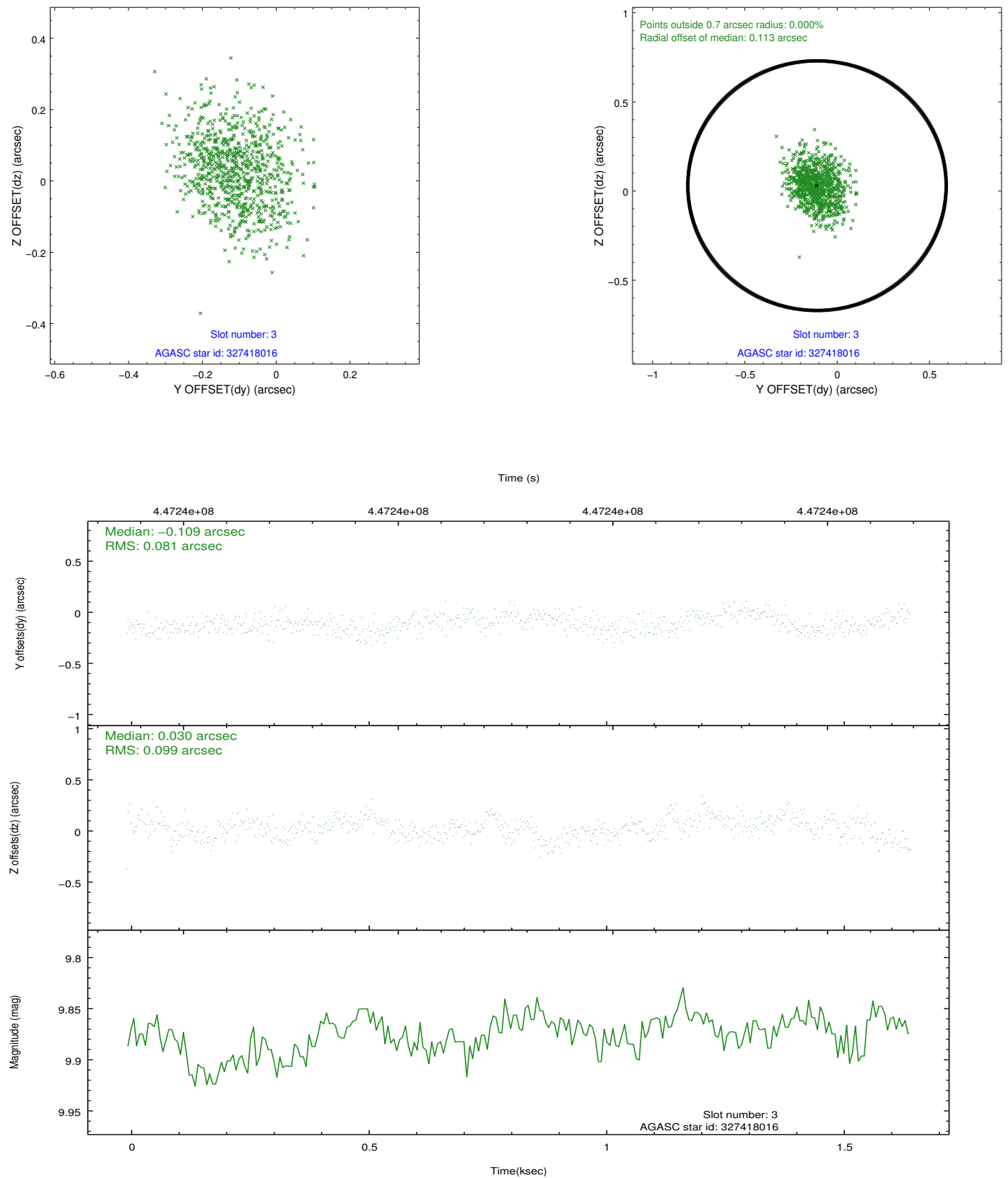


Slot Statistics

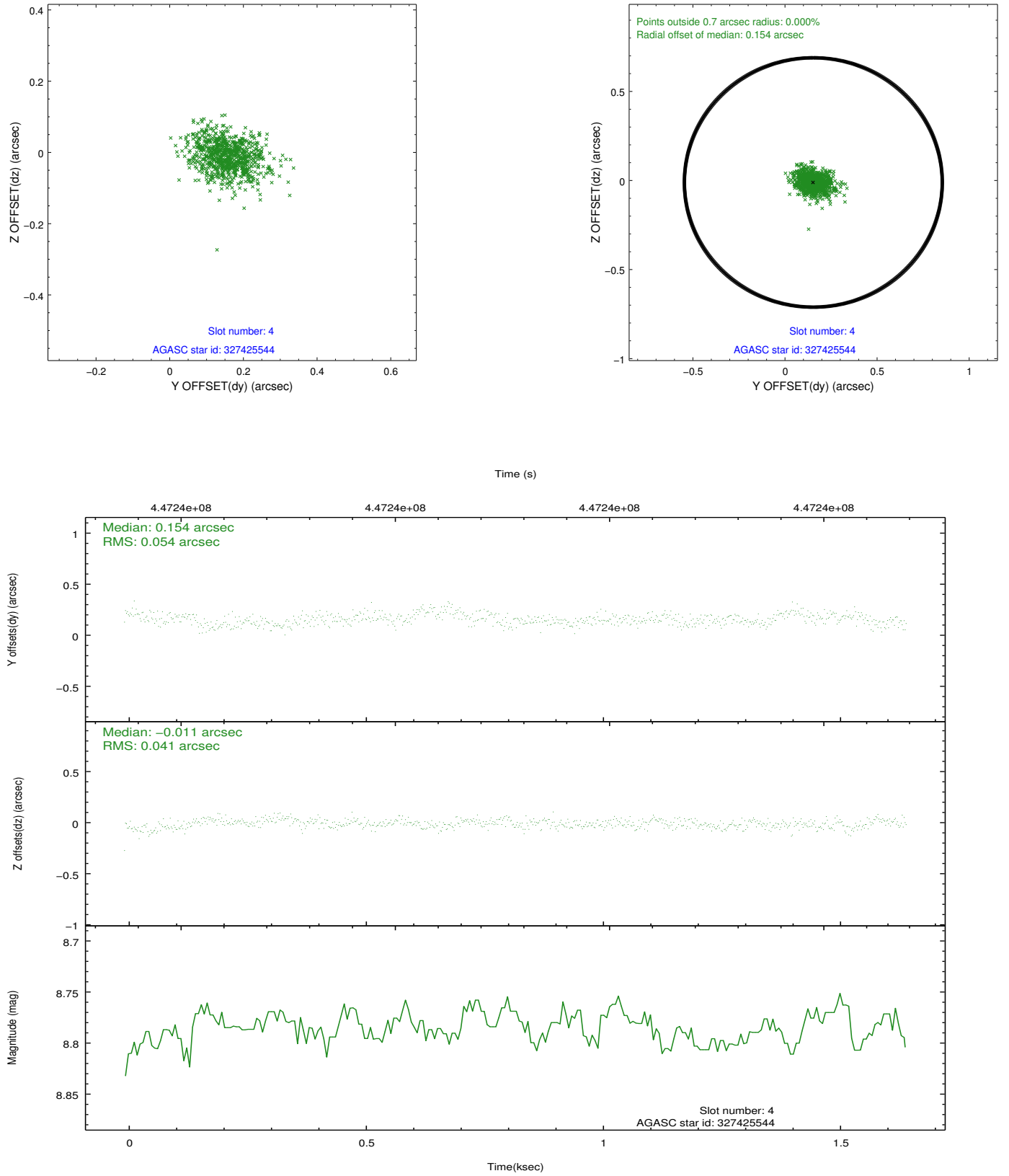
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.00	403	0.072	-0.065	0.008	0.012	0.000000	0.000000	929.60	-1733.60
1	FID	ACIS-S-4	6.99	403	0.140	0.015	0.007	0.011	0.000000	0.000000	2149.32	166.49
2	FID	ACIS-S-5	7.02	403	-0.239	0.062	0.005	0.008	0.000000	0.000000	-1814.42	164.71
3	GUIDE	327418016	9.87	805	-0.109	0.030	0.137	0.221	135.560759	35.953472	-837.44	411.40
4	GUIDE	327425544	8.79	805	0.154	-0.011	0.071	0.119	135.157977	35.213089	1963.22	1216.24
5	GUIDE	327426424	9.60	800	0.047	0.059	0.157	0.241	135.478973	35.893425	-516.08	372.81
6	GUIDE	327426552	9.64	804	-0.088	0.044	0.145	0.239	135.629811	35.368080	648.78	1921.89
7	GUIDE	327428520	7.99	804	0.004	-0.125	0.082	0.139	135.430849	35.859339	-332.29	340.46

2.4 Star Slots

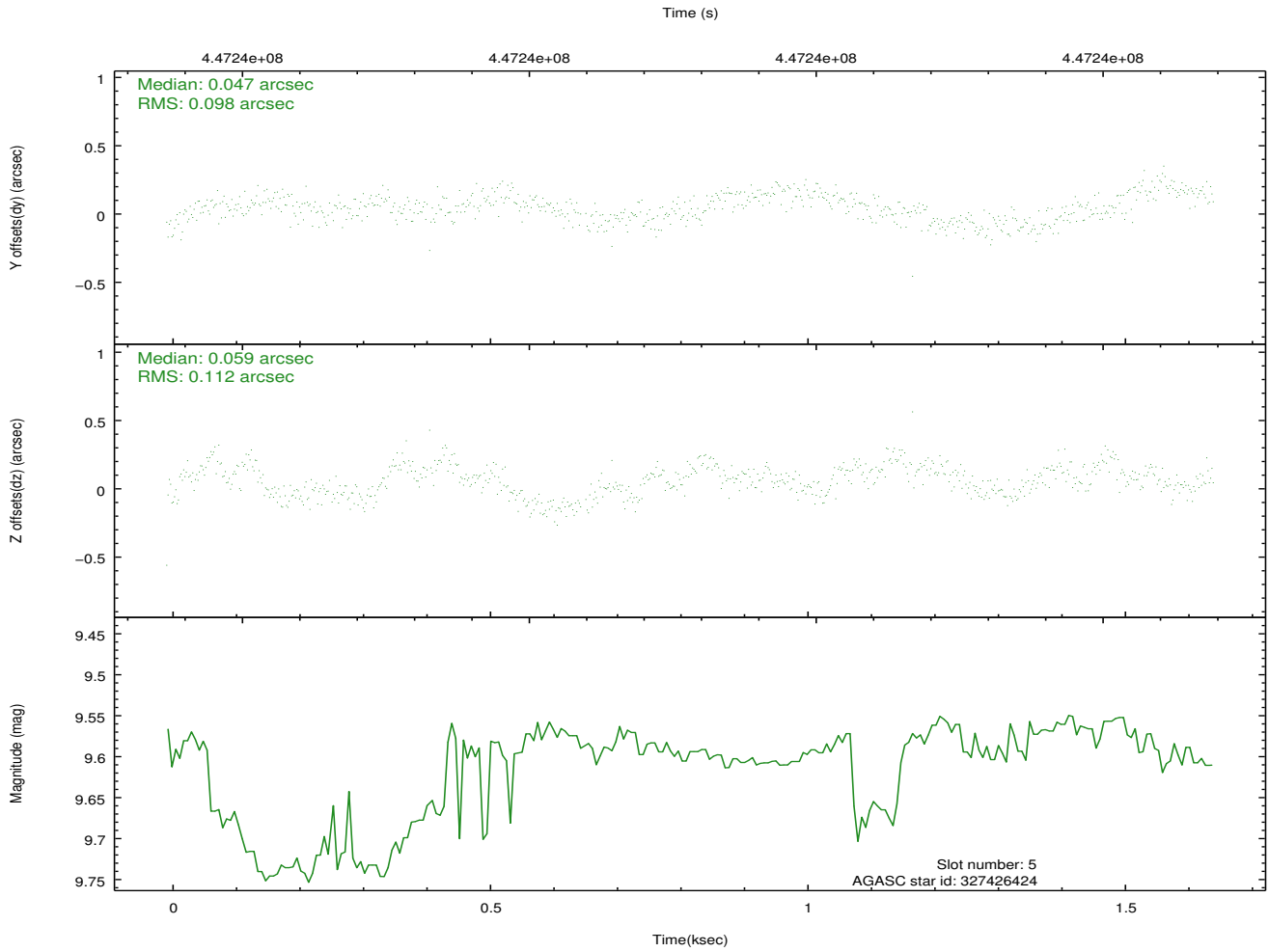
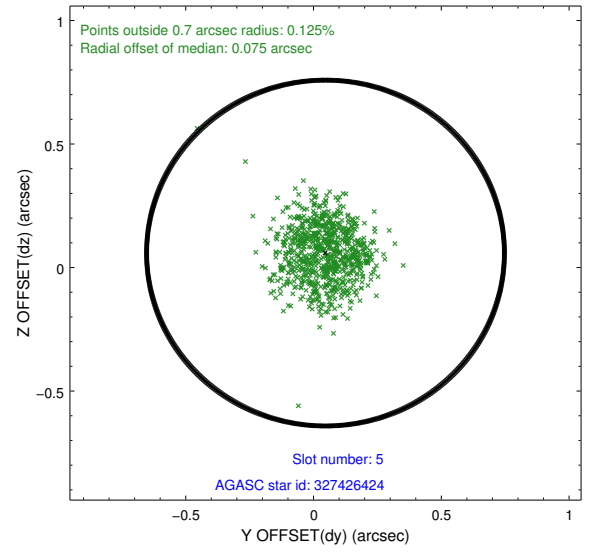
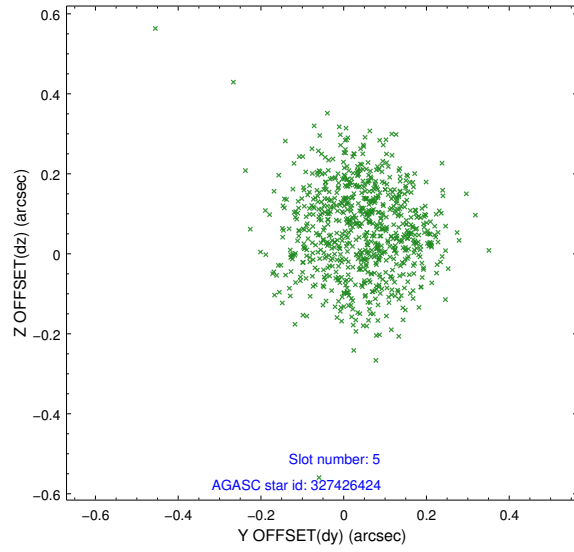
2.4.1 Slot 3



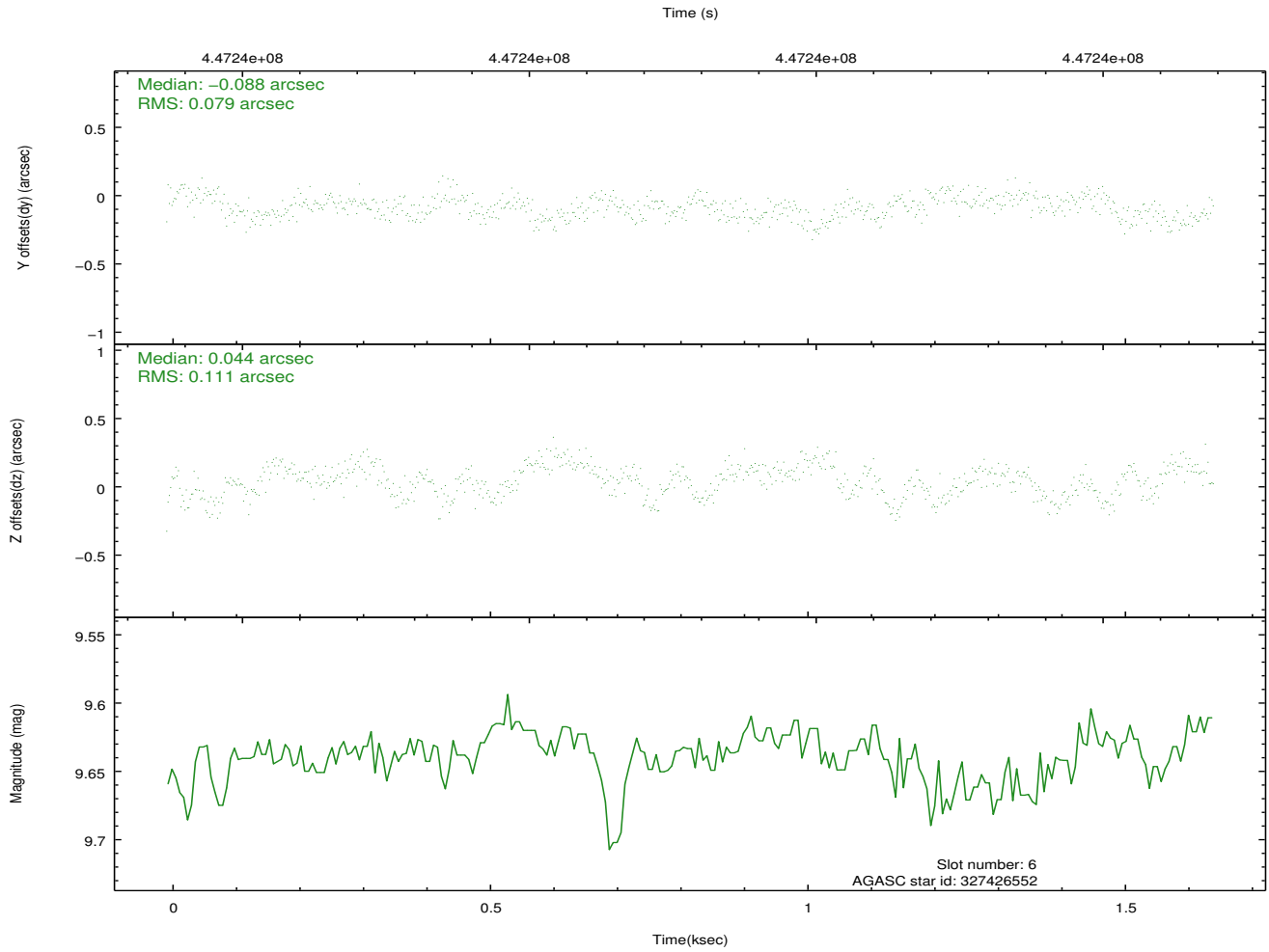
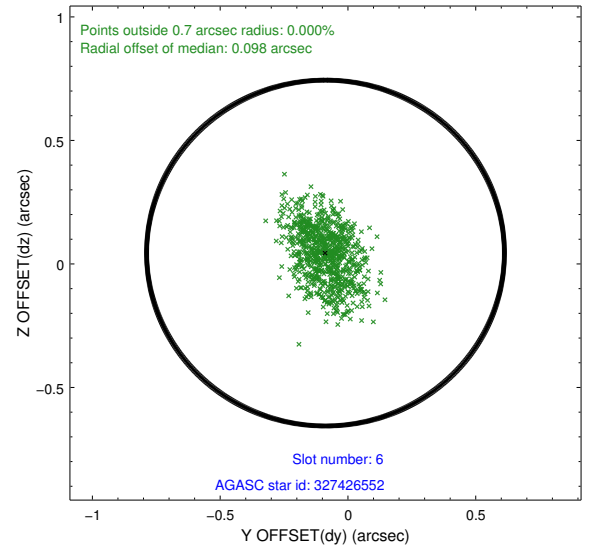
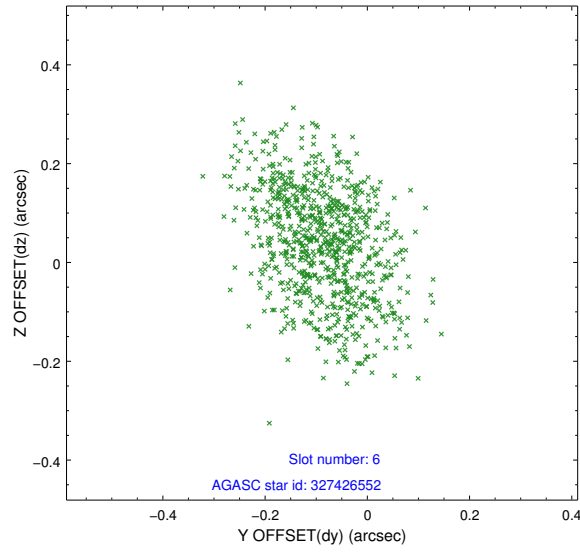
2.4.2 Slot 4



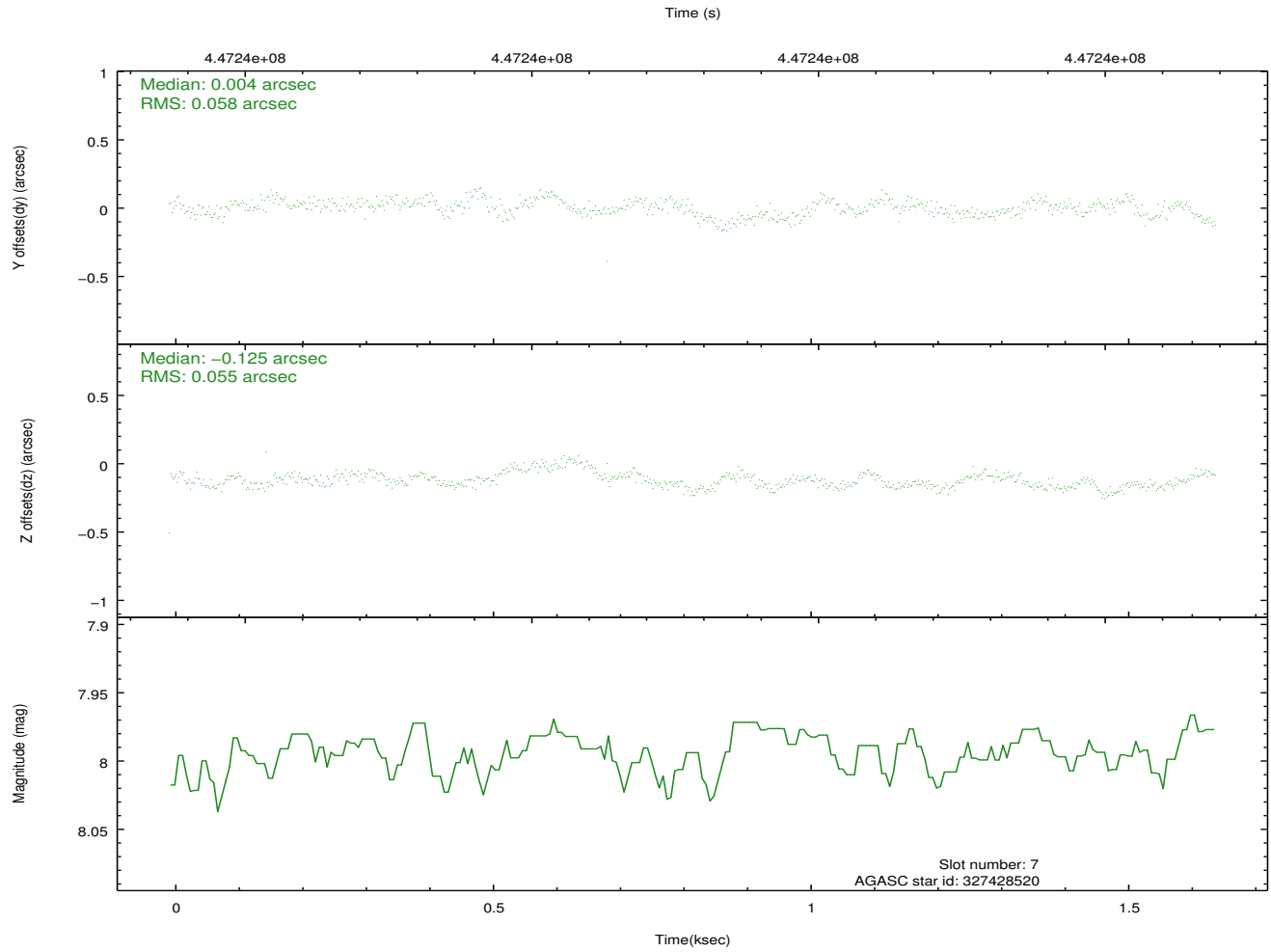
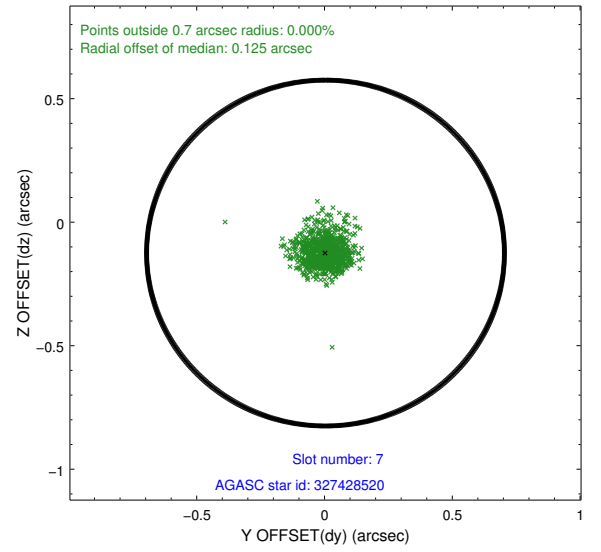
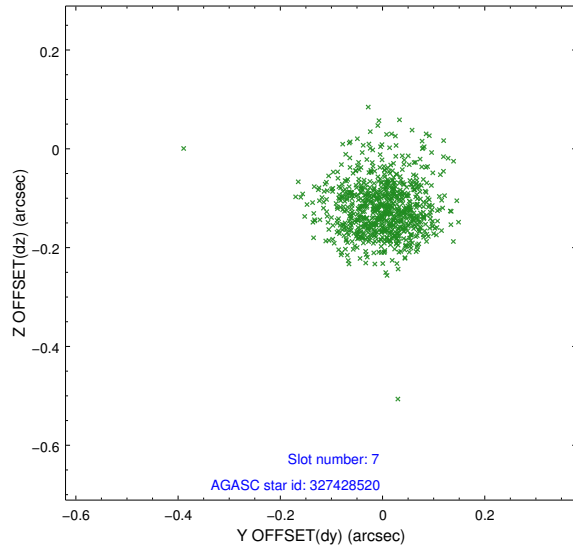
2.4.3 Slot 5



2.4.4 Slot 6

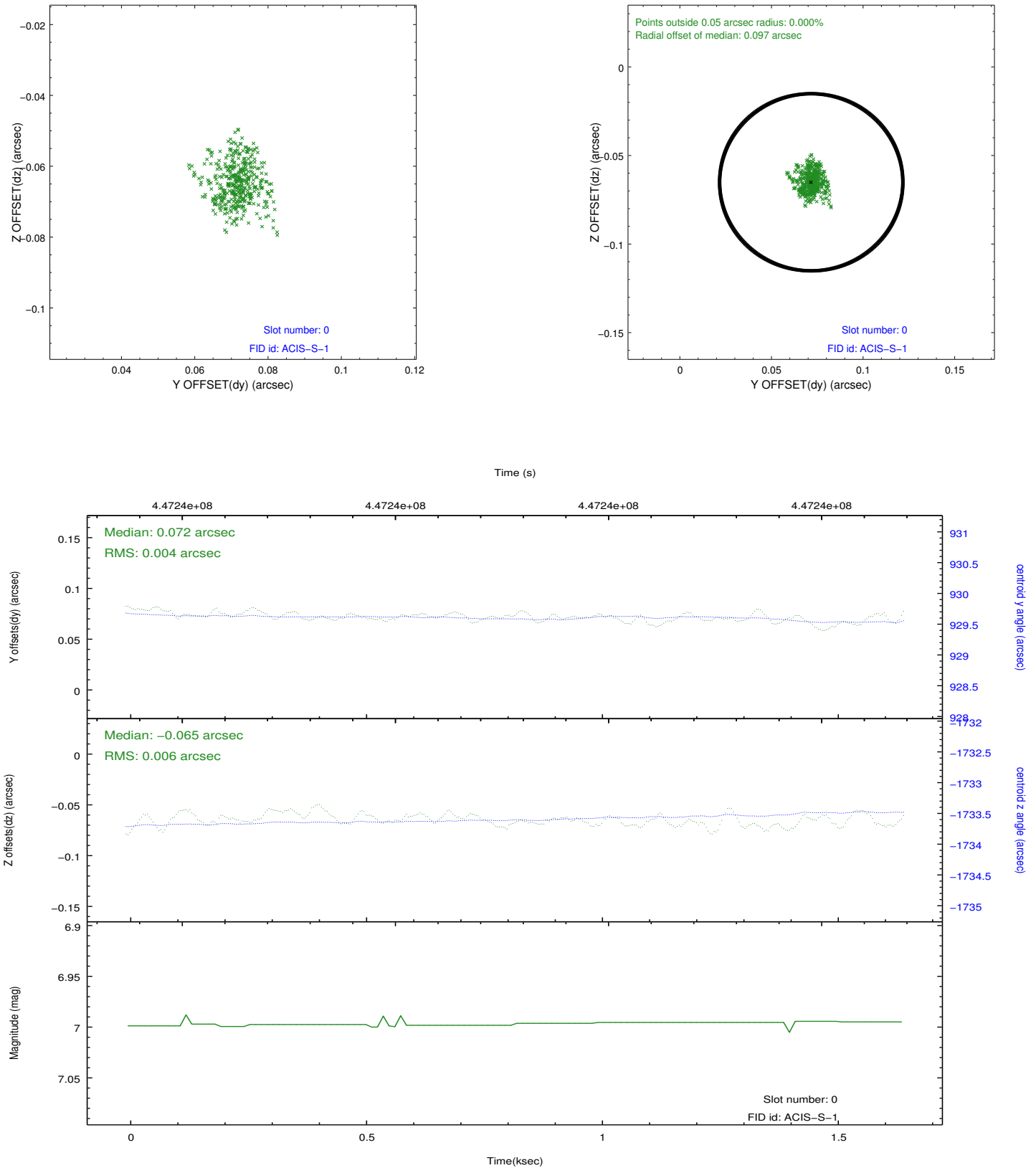


2.4.5 Slot 7

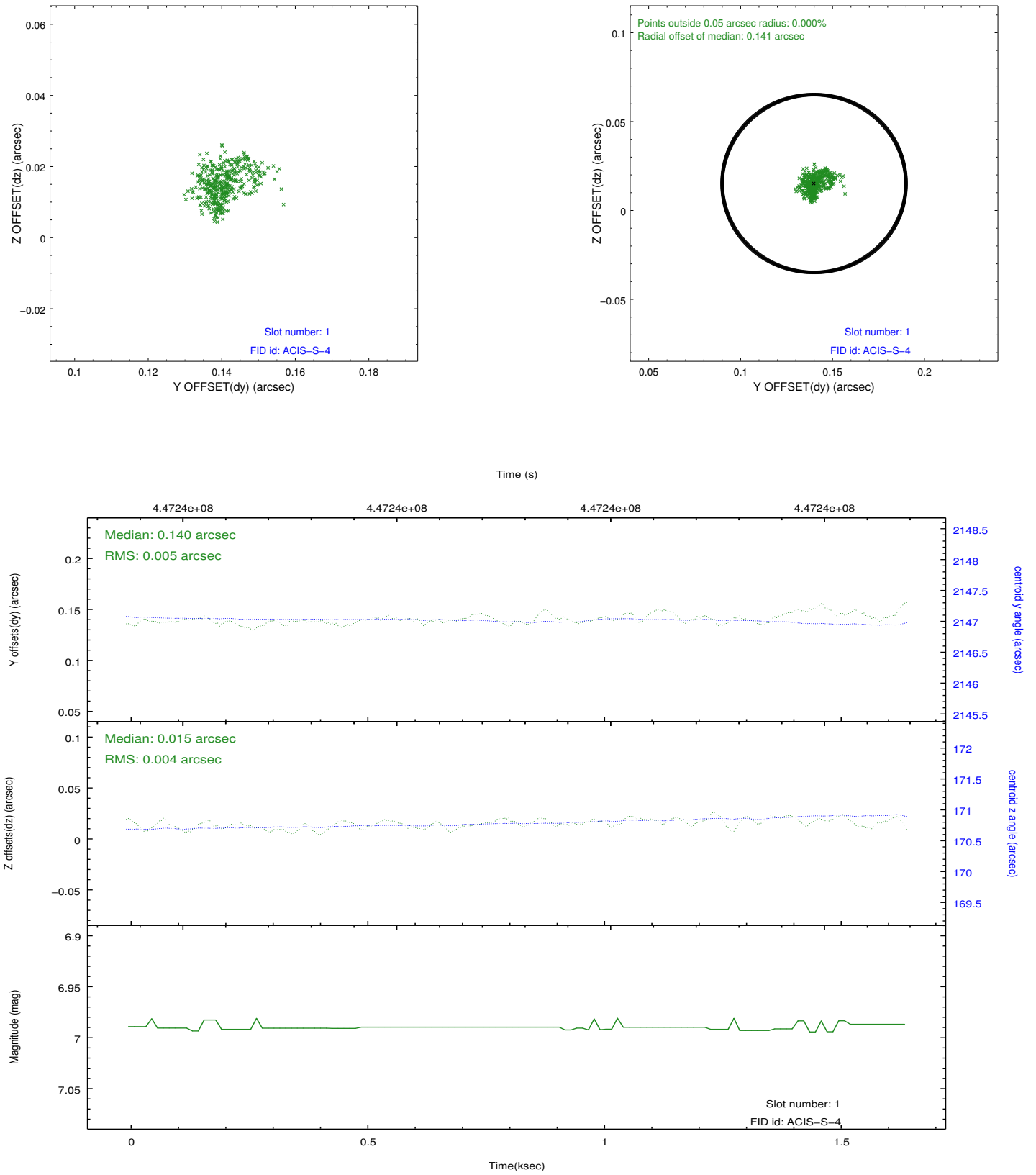


2.5 FID Slots

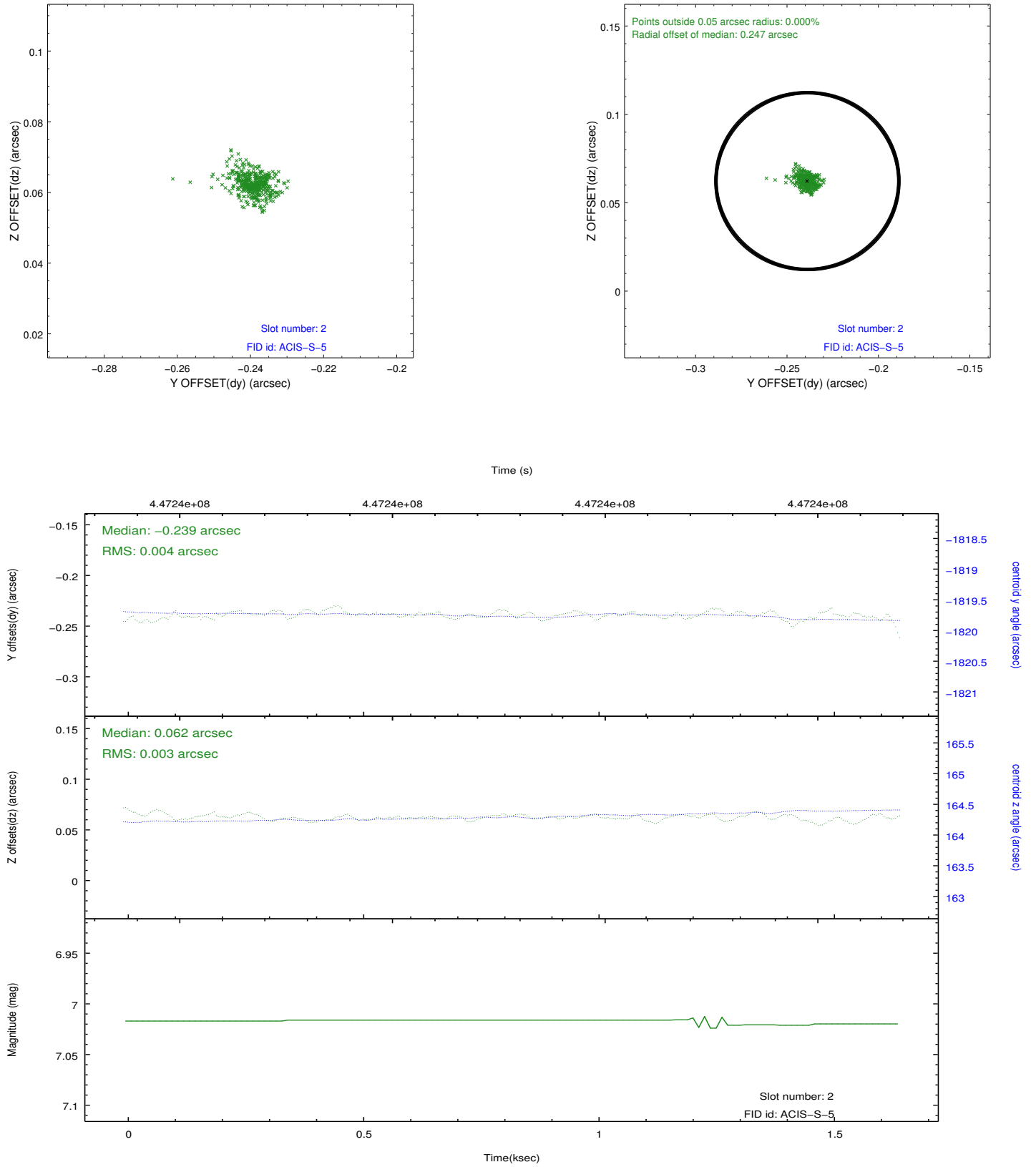
2.5.1 Slot 0



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)	2012.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5810000121593

A.2 Comments