

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13335 - L2 Version 2
Chandra X-Ray Center

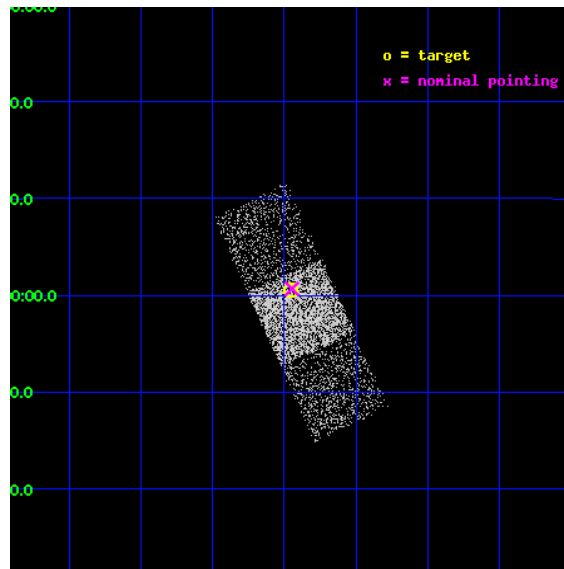
L2 Processing Date : Feb 27 2012

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1 Front

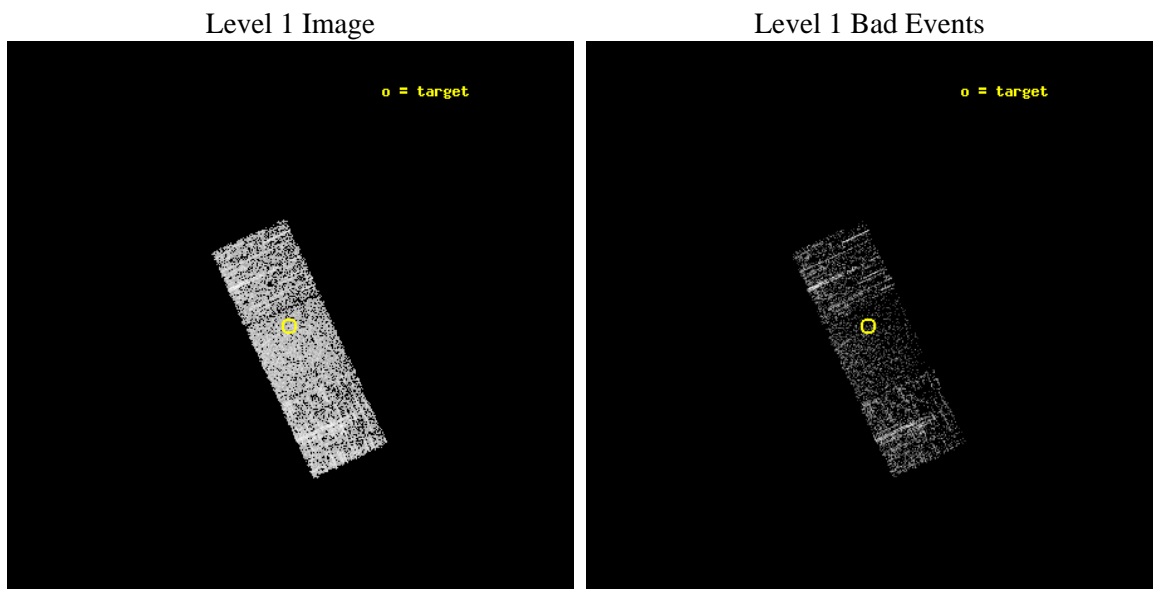
seq_num	702542	Sequence number
obs_id	13335	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1249-0159	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.488333	Observer's specified target RA [deg]
dec_targ	-1.991333	Observer's specified target Dec [deg]
ra_nom	192.48682050191	Nominal RA [deg]
dec_nom	-1.9887046696477	Nominal Dec [deg]
roll_nom	65.301259069311	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1562.4000120163	Sum of GTIs [s]
livetime	1541.9861056371	Livetime [s]
ontime6	1562.4000120163	Sum of GTIs [s]
ontime7	1562.4000120163	Sum of GTIs [s]
ontime8	1562.4000120163	Sum of GTIs [s]
l2events	6680	Number of level 2 events



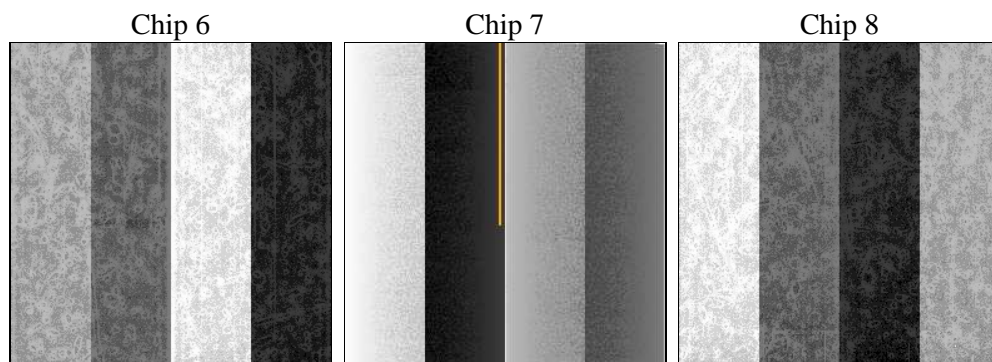
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1562.4000120163	Sum of GTIs [s]
caldbver	4.4.8	 	ontime6	1562.4000120163	Sum of GTIs [s]
date	2012-02-28T00:10:06	Date and time of file creation	ontime7	1562.4000120163	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1562.4000120163	Sum of GTIs [s]
			l1events	30385	Number of level 1 events

2.1.4 Events

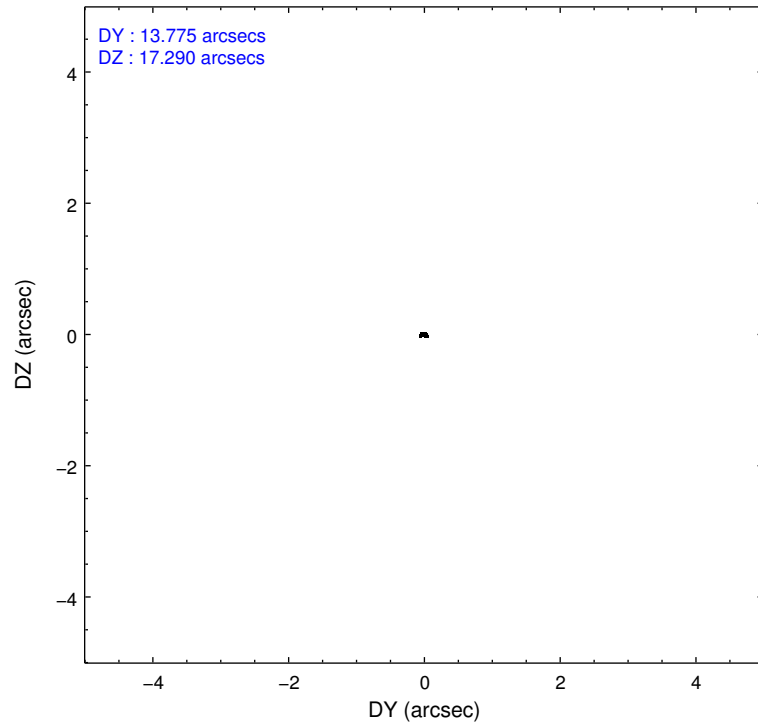
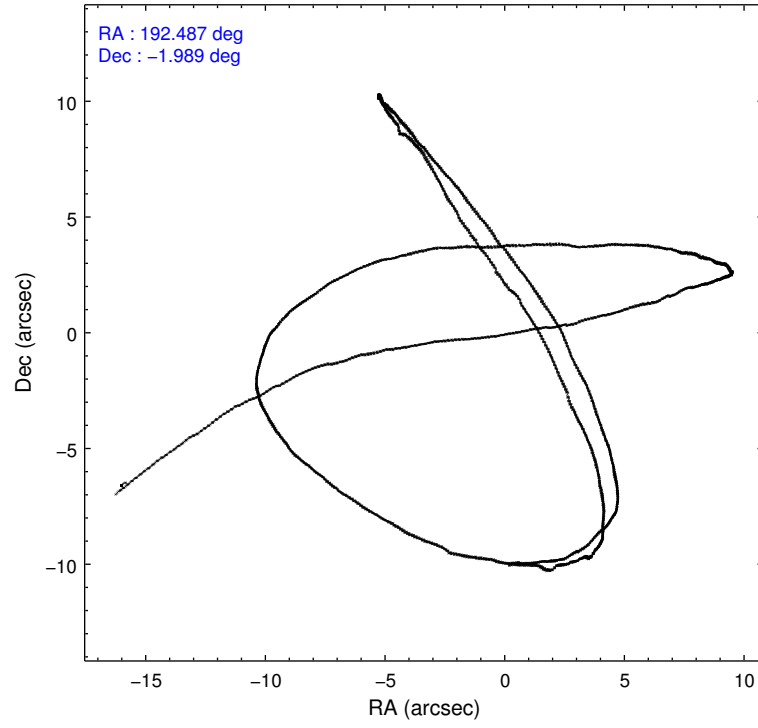
	ccd 6	ccd 7	ccd 8
level 1 events	9087	9724	11574
rejected events	7965	4975	8342
rejected %	87%	51%	72%

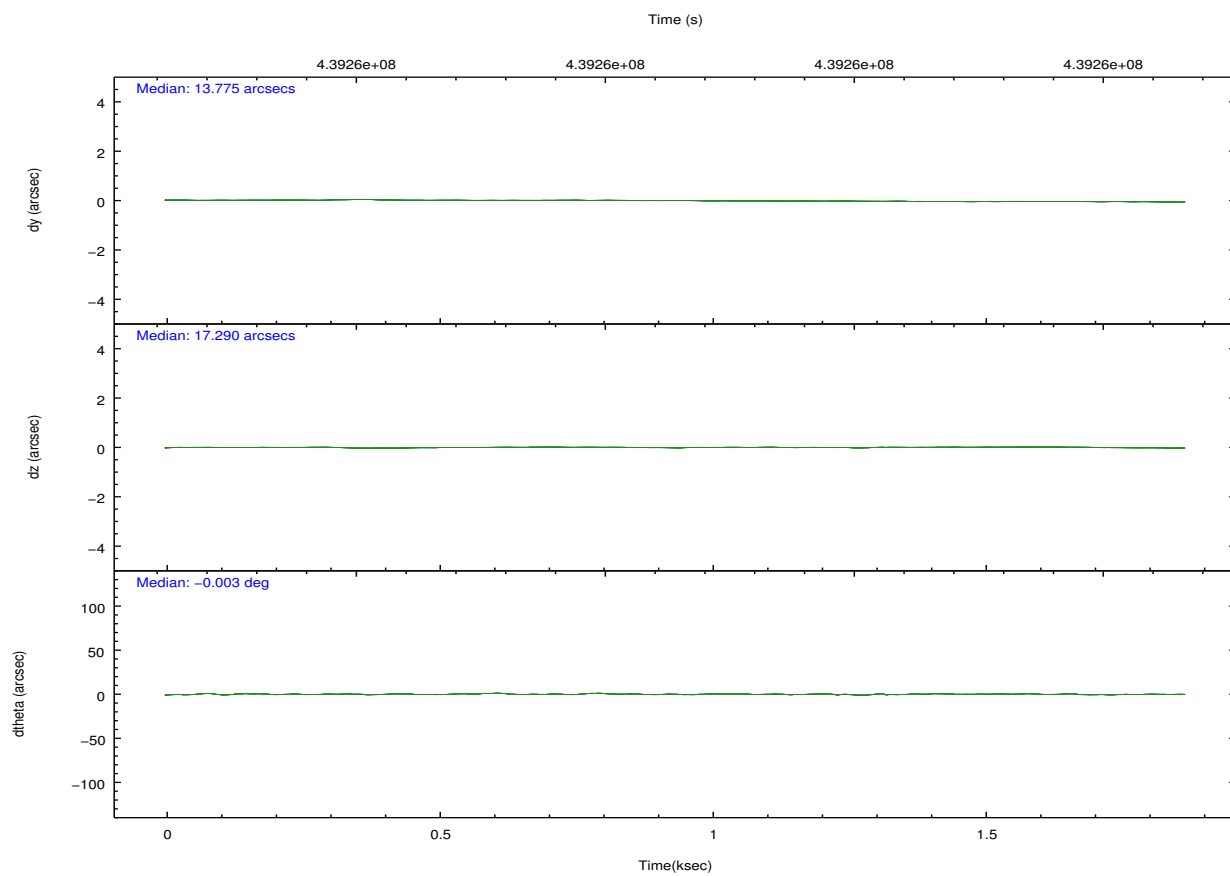
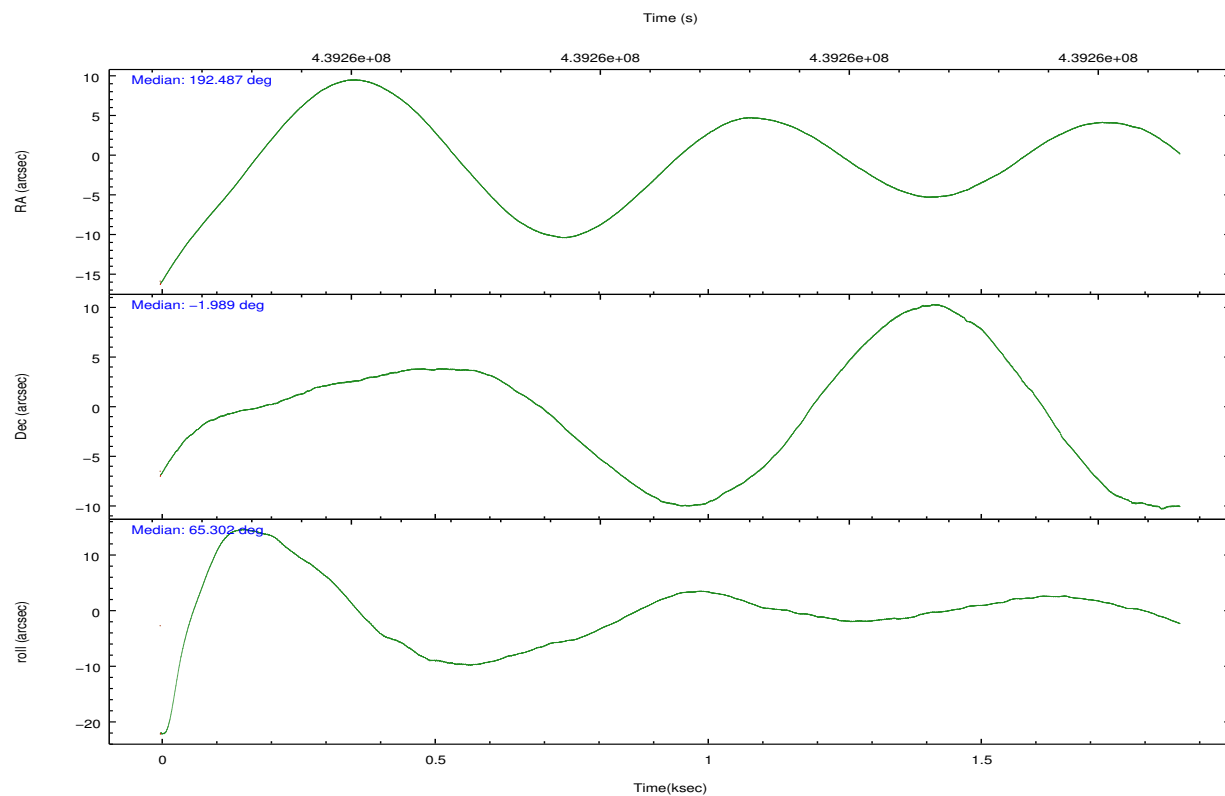
	ccd 6	ccd 7	ccd 8
grade 0 events	413	496	840
	4%	5%	7%
grade 1 events	5	23	13
	0%	0%	0%
grade 2 events	226	1008	856
	2%	10%	7%
grade 3 events	123	434	342
	1%	4%	2%
grade 4 events	129	413	297
	1%	4%	2%
grade 5 events	417	1017	580
	4%	10%	5%
grade 6 events	232	2410	901
	2%	24%	7%
grade 7 events	7542	3923	7745
	82%	40%	66%

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	192.489591	192.4868205019088	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.015975	-1.988704669647743	Alternating exposures requested	N	N
[deg] Pointing Roll	65.144973	65.30125906931076	[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)	439260077.184000	439259172.31366			
Observation start date	2011-12-03T00:40:11	2011-12-03T00:26:12			
[s] Observation end time (MET)	439261577.184000	439262539.95134			
Observation end date	2011-12-03T01:05:11	2011-12-03T01:22:19			
Read mode	TIMED	TIMED			

2.3 Aspect



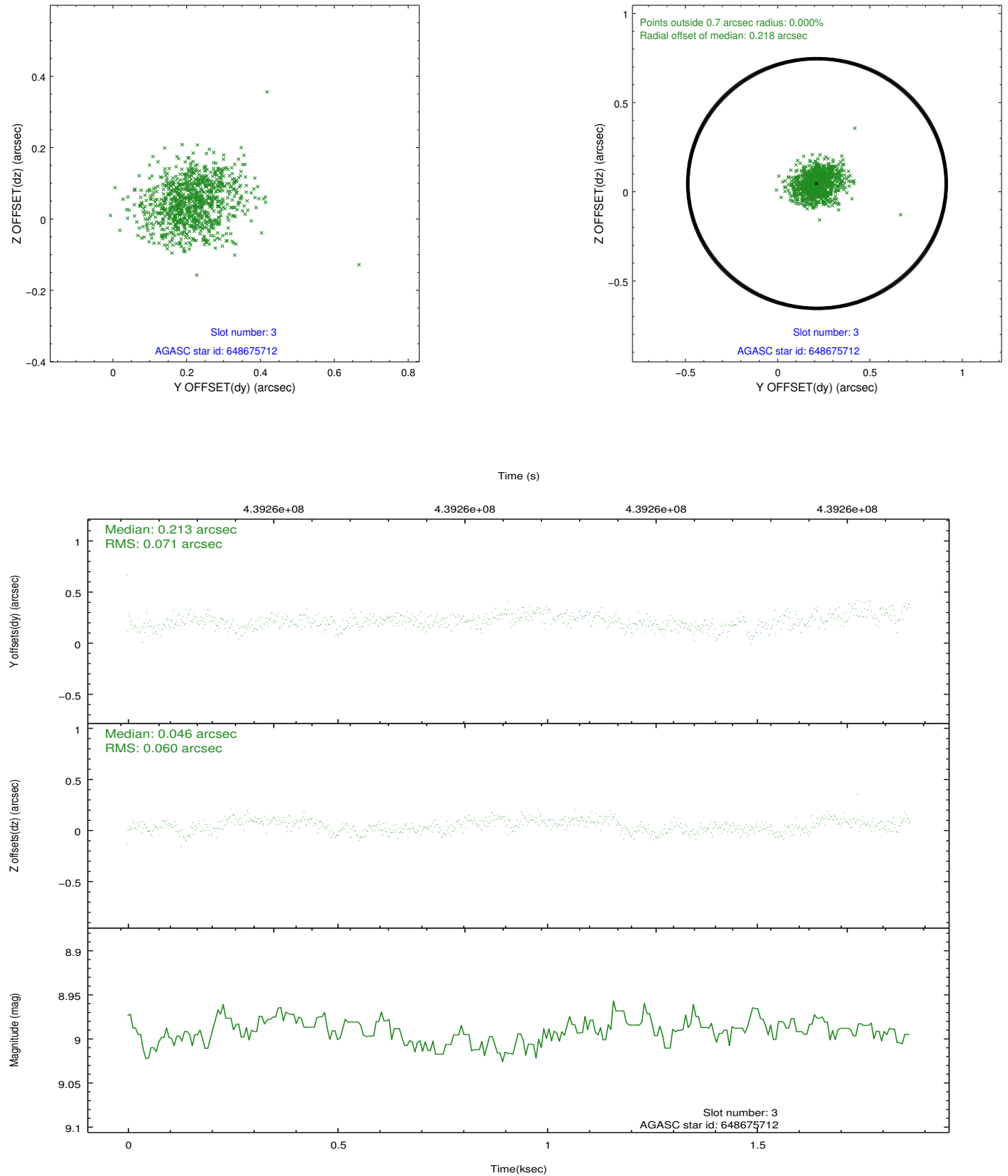


Slot Statistics

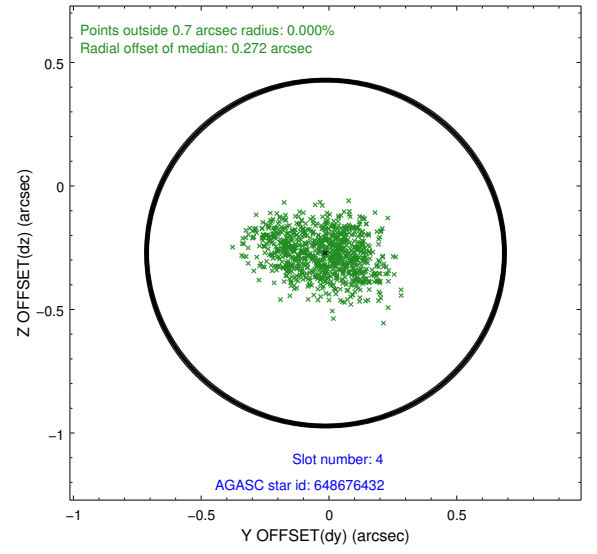
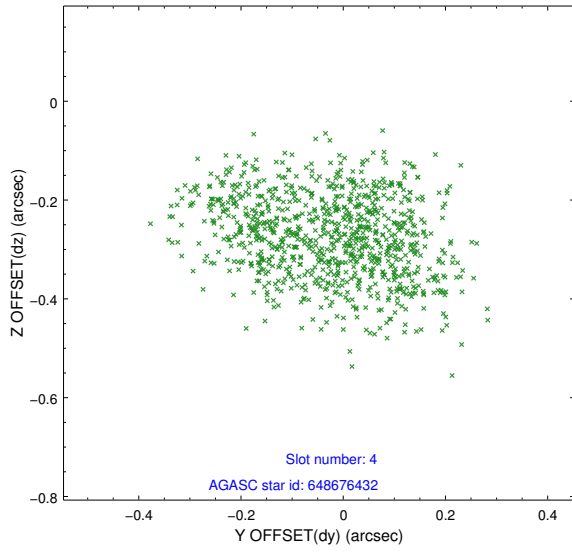
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	456	-0.049	-0.046	0.006	0.011	0.000000	0.000000	-766.80	-1738.70
1	FID	ACIS-S-4	6.97	456	0.238	0.036	0.006	0.011	0.000000	0.000000	2145.20	166.13
2	FID	ACIS-S-5	7.00	456	-0.220	0.018	0.005	0.009	0.000000	0.000000	-1815.26	163.89
3	GUIDE	648675712	8.99	911	0.213	0.046	0.097	0.158	192.426039	-2.289299	-989.18	-205.39
4	GUIDE	648676432	9.55	909	-0.014	-0.272	0.166	0.261	192.483195	-1.532926	1565.64	752.50
5	GUIDE	648683248	8.94	912	-0.122	-0.282	0.101	0.158	192.240945	-1.504412	1295.86	1587.25
6	GUIDE	648807032	9.88	912	0.083	0.177	0.161	0.244	192.743369	-1.585616	1790.07	-174.58
7	GUIDE	648809152	8.42	911	-0.159	0.332	0.087	0.156	192.599458	-1.825045	791.39	-69.16

2.4 Star Slots

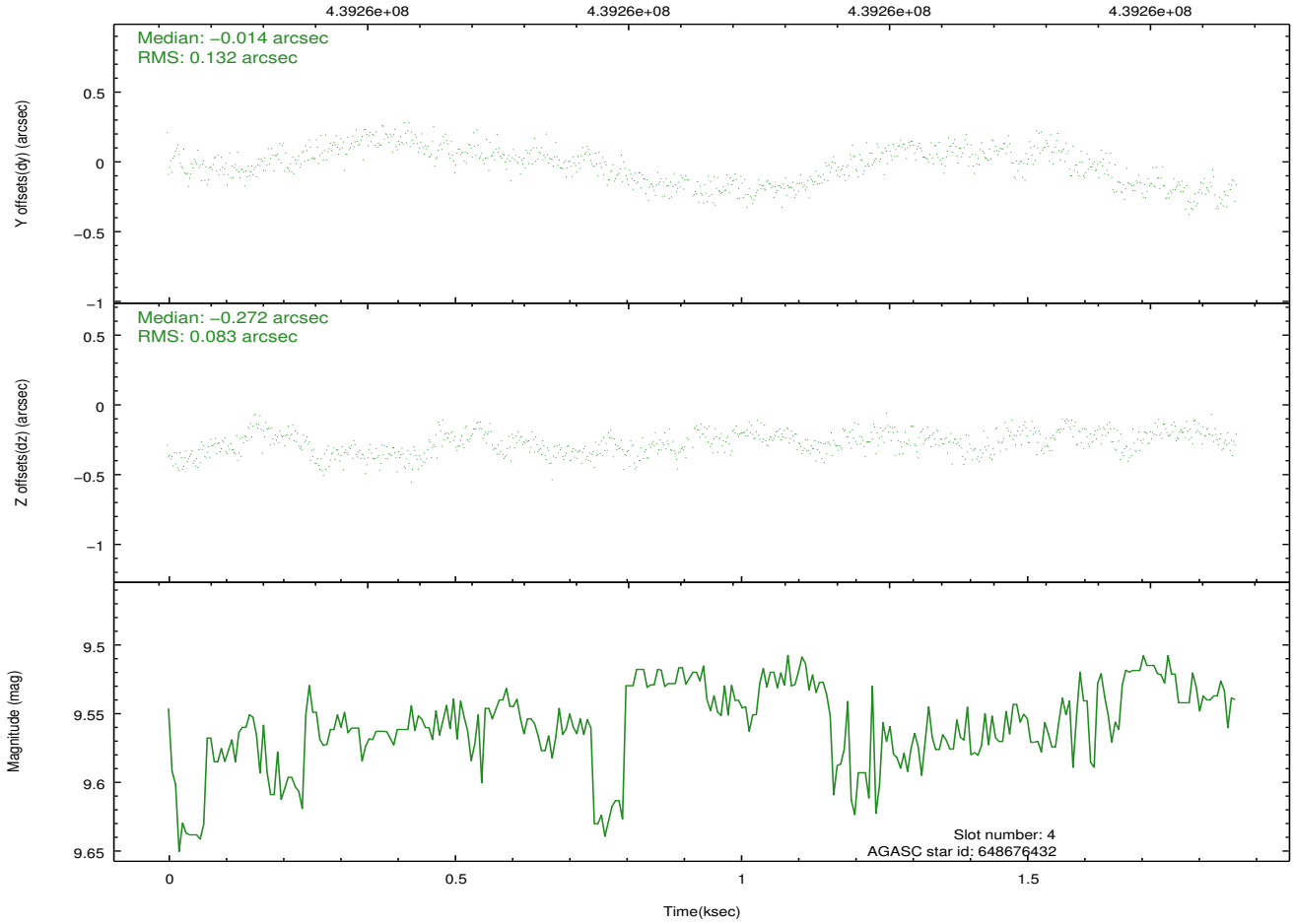
2.4.1 Slot 3



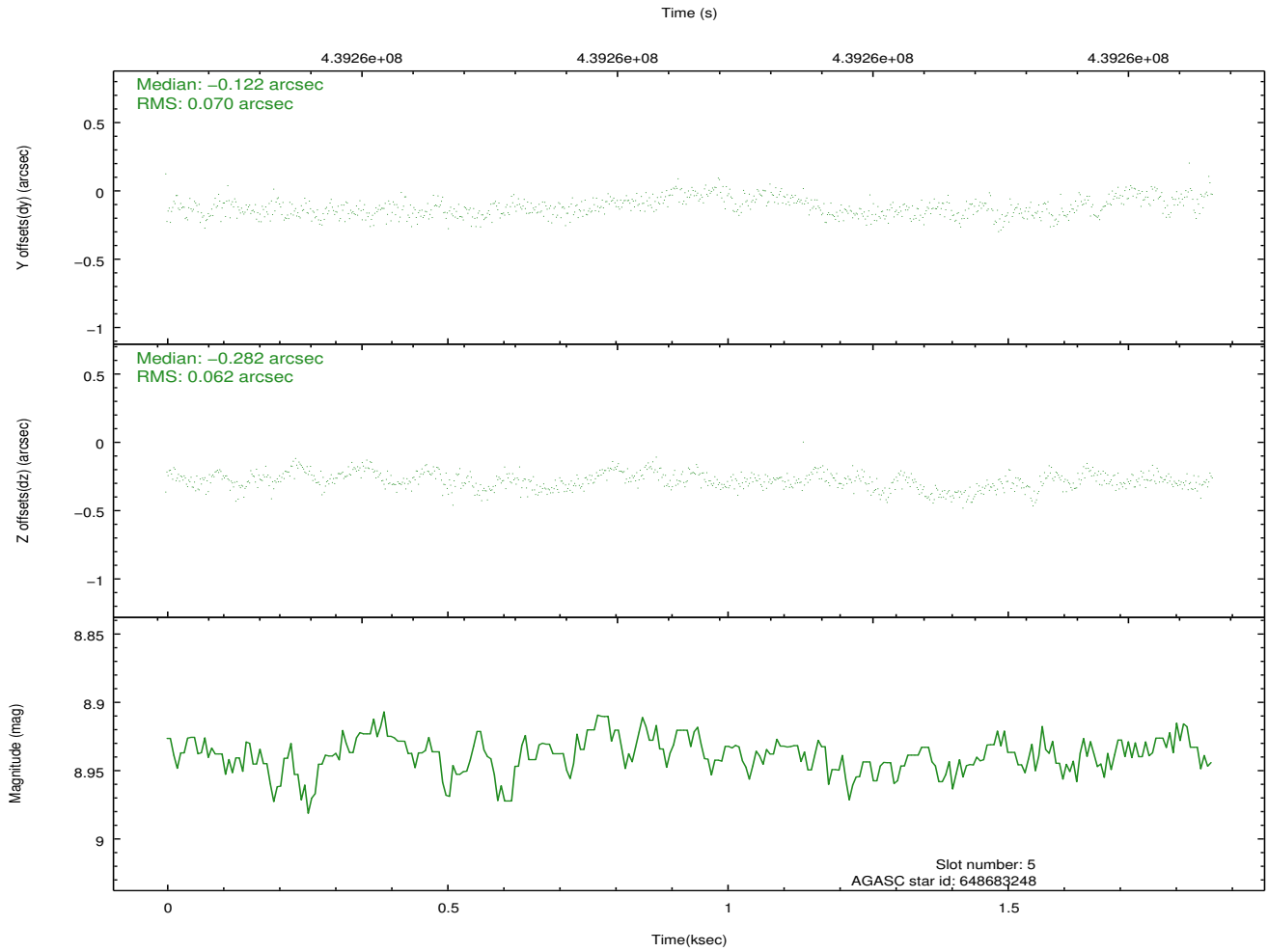
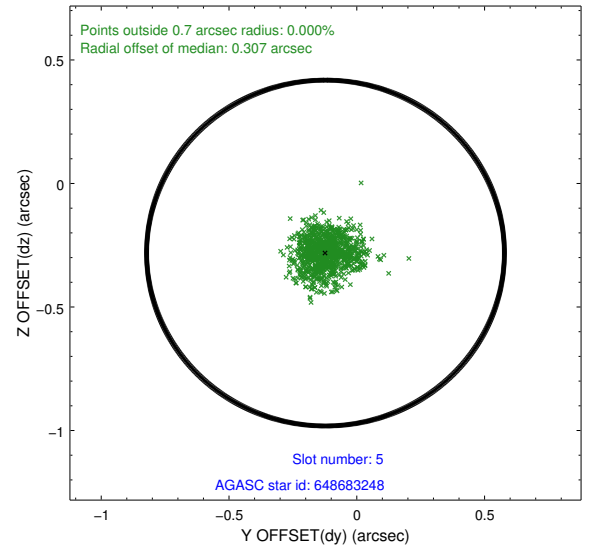
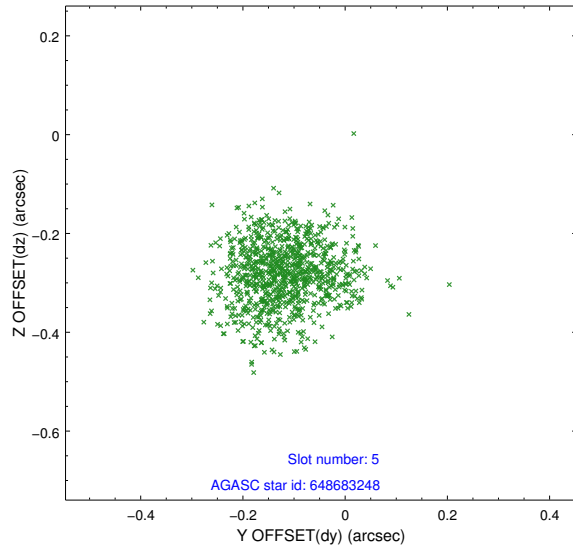
2.4.2 Slot 4



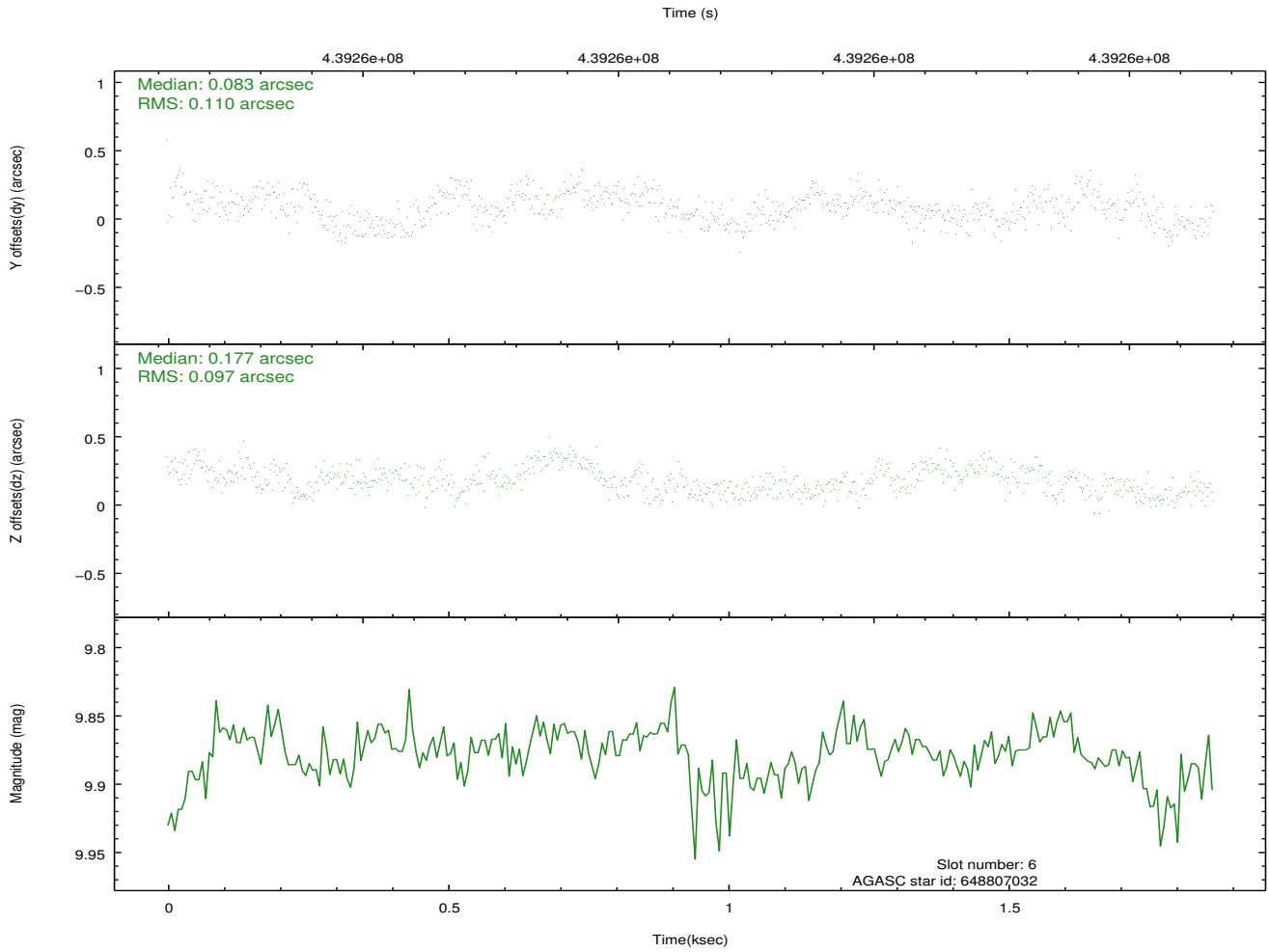
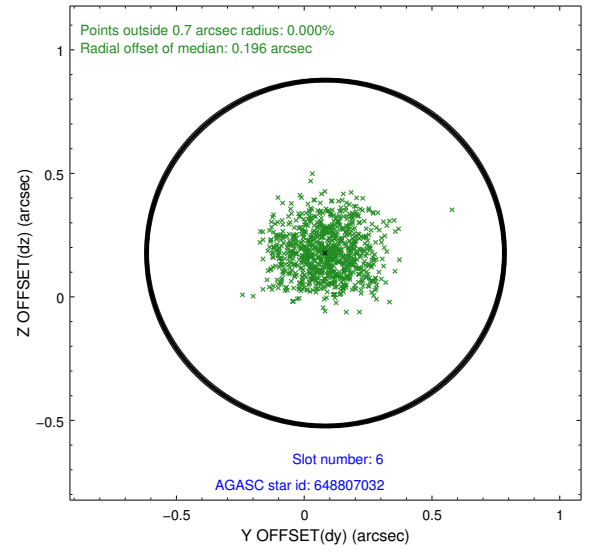
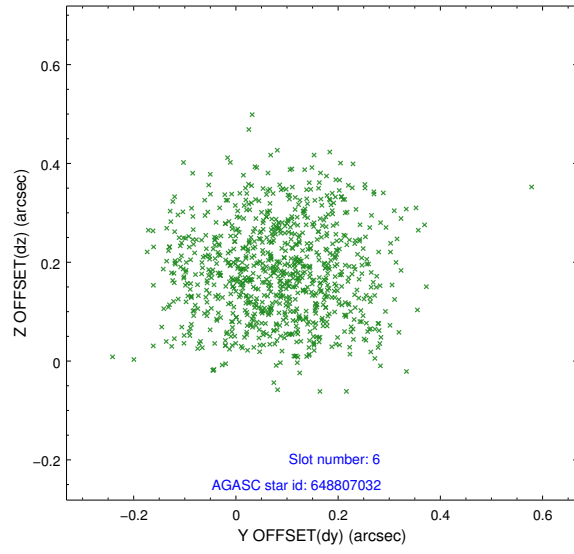
Time (s)



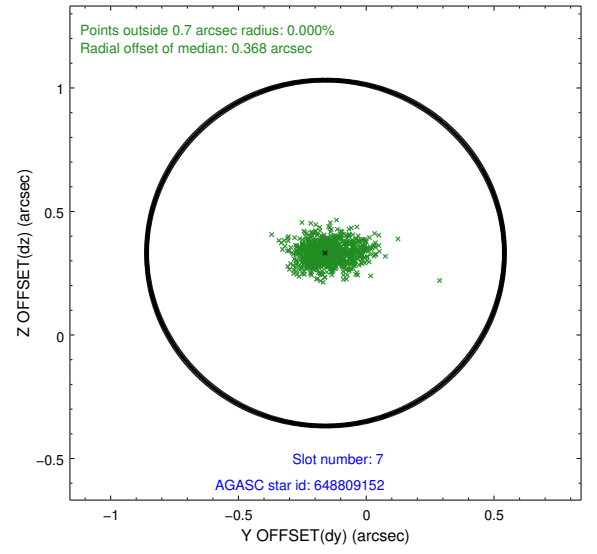
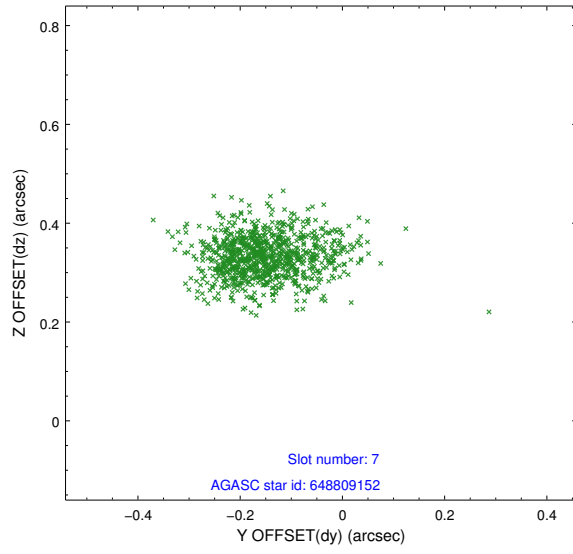
2.4.3 Slot 5



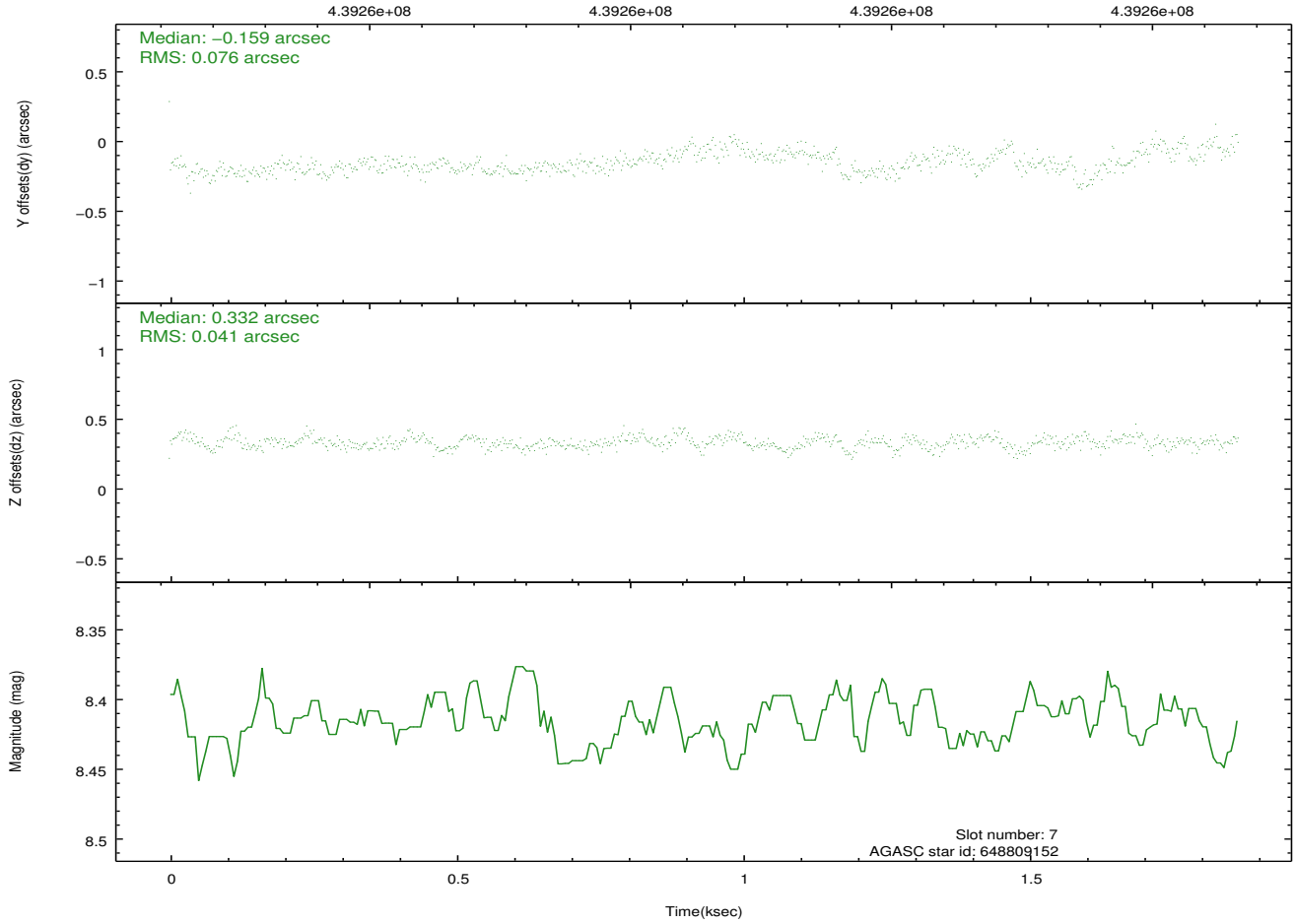
2.4.4 Slot 6



2.4.5 Slot 7

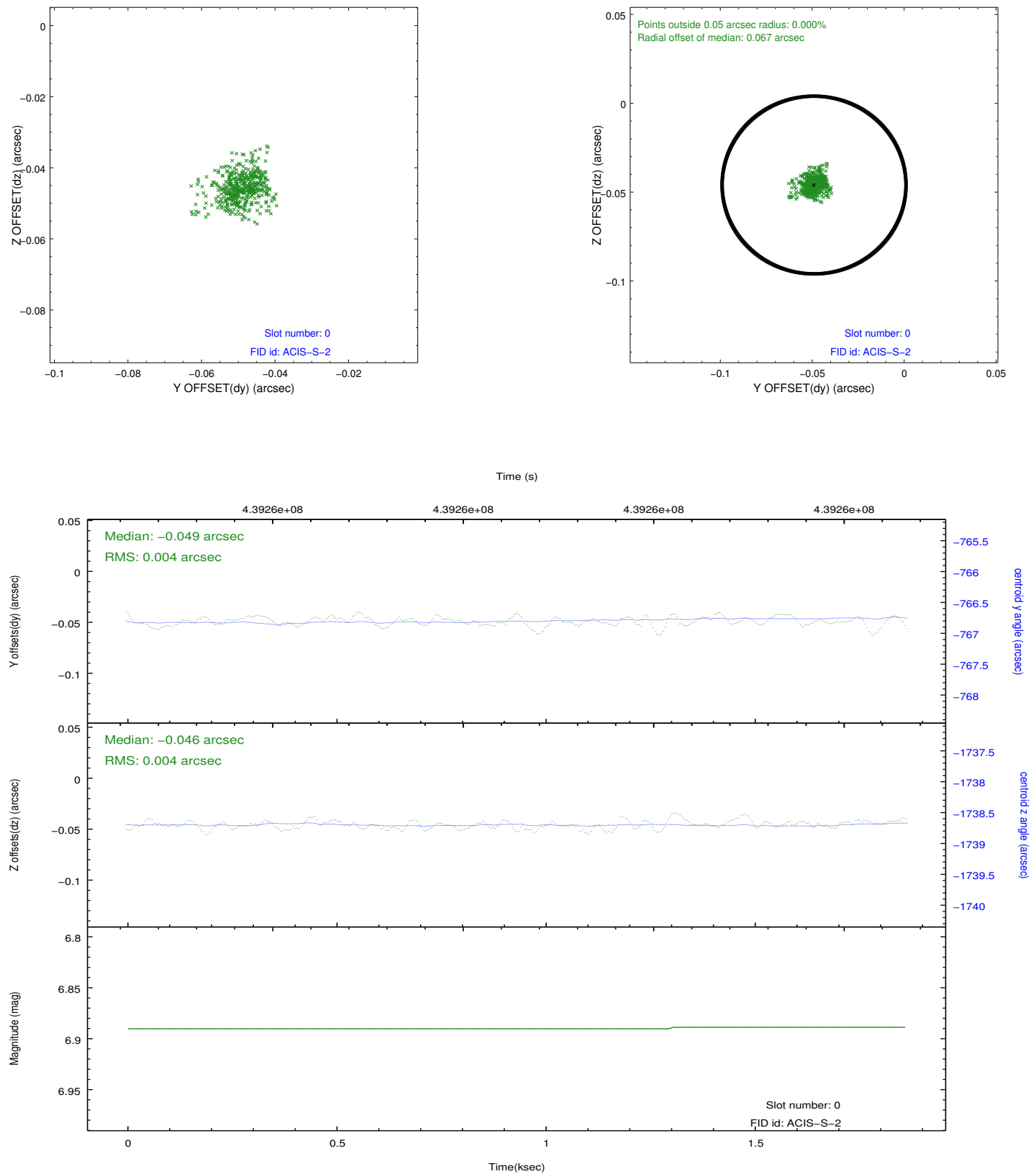


Time (s)

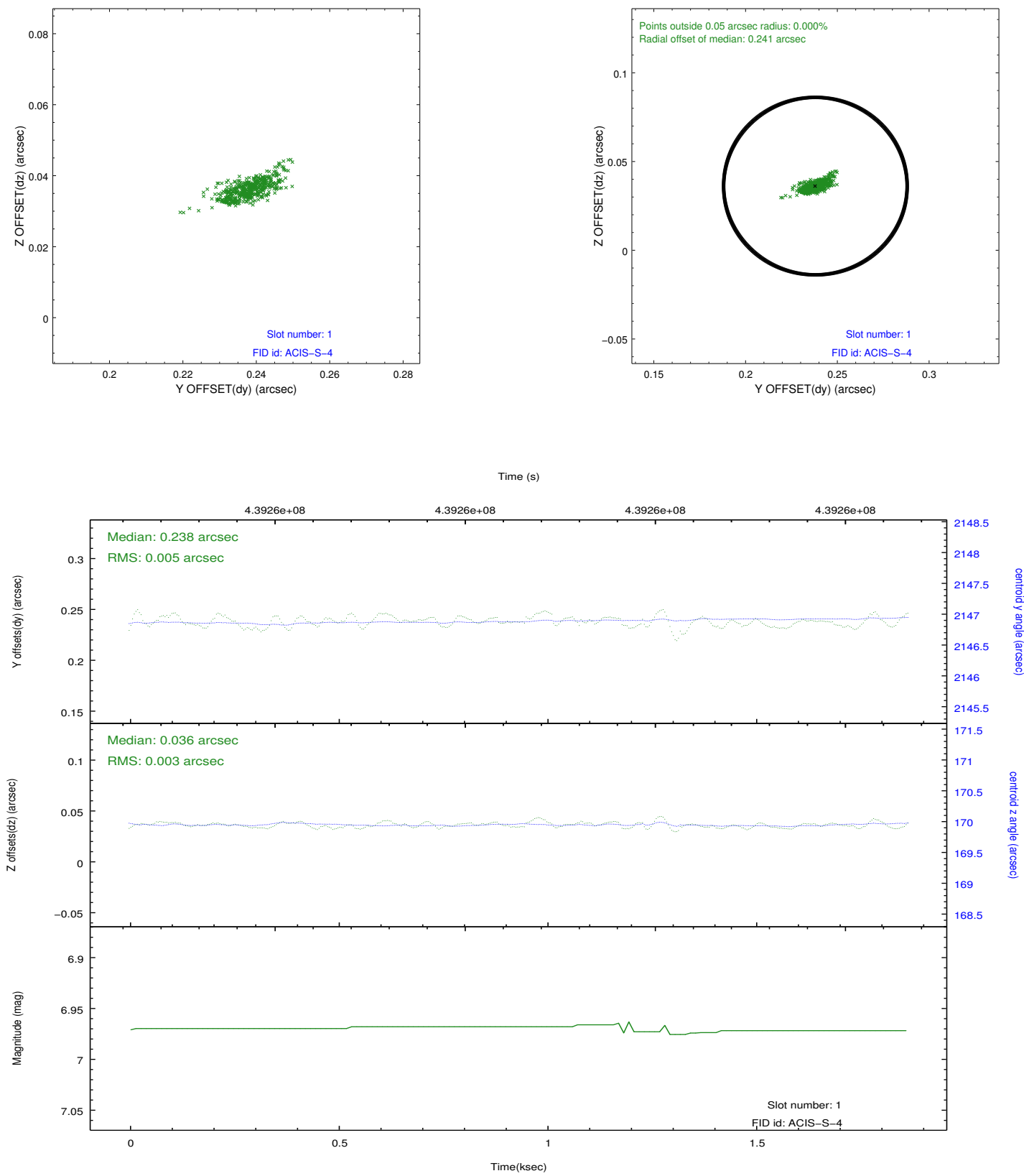


2.5 FID Slots

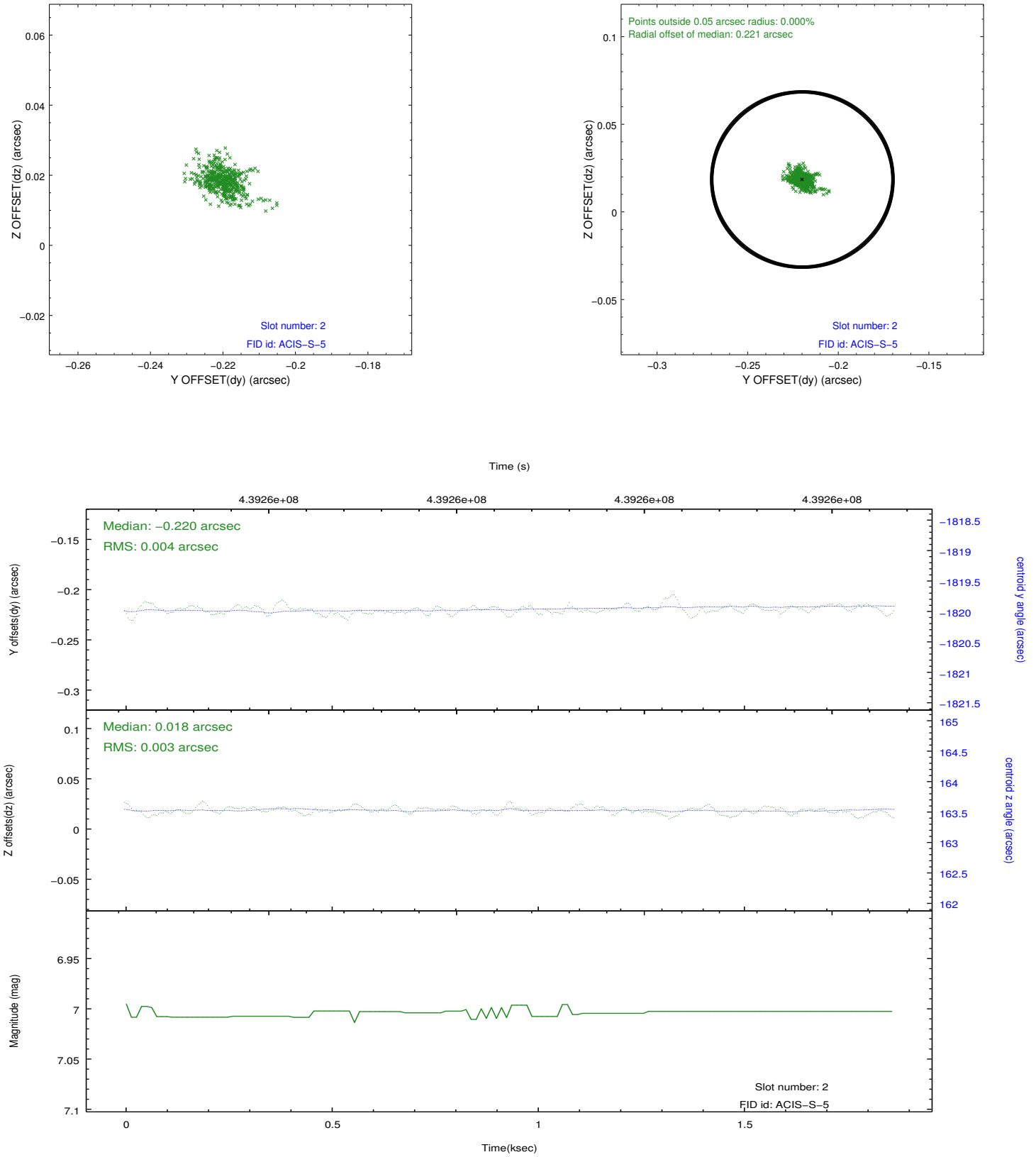
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5624000120163

A.2 Comments