

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13312 - L2 Version 1
Chandra X-Ray Center

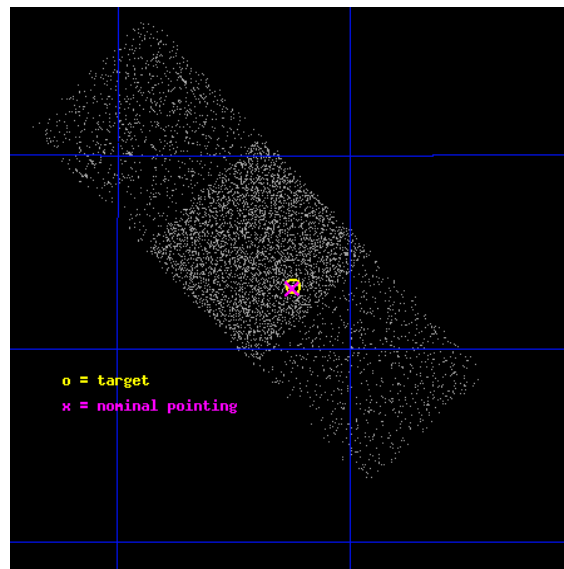
L2 Processing Date : Apr 2 2012

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1 Front

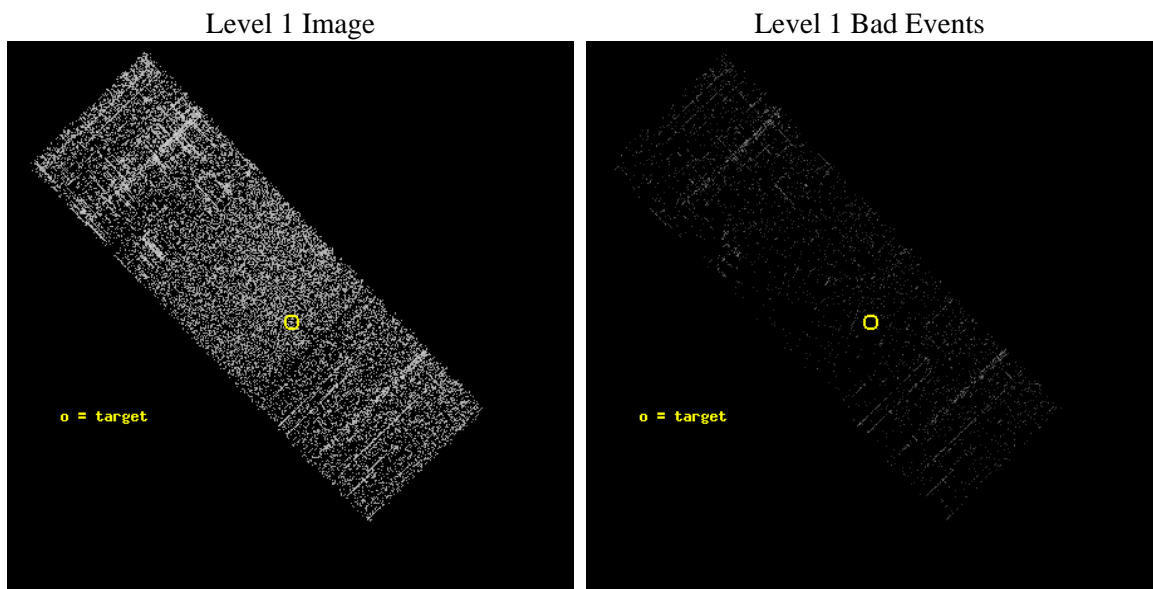
seq_num	702519	Sequence number
obs_id	13312	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1027+3543	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.811667	Observer's specified target RA [deg]
dec_targ	35.7215	Observer's specified target Dec [deg]
ra_nom	156.81261681683	Nominal RA [deg]
dec_nom	35.718599581193	Nominal Dec [deg]
roll_nom	226.25525325545	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.0392501354	Sum of GTIs [s]
livetime	1556.434071333	Livetime [s]
ontime6	1576.9982101321	Sum of GTIs [s]
ontime7	1577.0392501354	Sum of GTIs [s]
ontime8	1576.9571701288	Sum of GTIs [s]
l2events	6360	Number of level 2 events



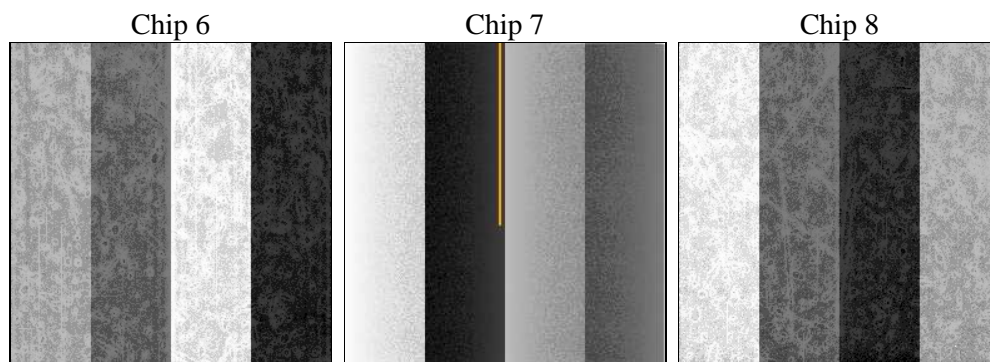
2 OBI

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	1577.0392501354	Sum of GTIs [s]
caldbver	4.4.9	 	ontime6	1576.9982101321	Sum of GTIs [s]
date	2012-04-02T15:32:05	Date and time of file creation	ontime7	1577.0392501354	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1576.9571701288	Sum of GTIs [s]
			l1events	27812	Number of level 1 events

2.1.4 Events

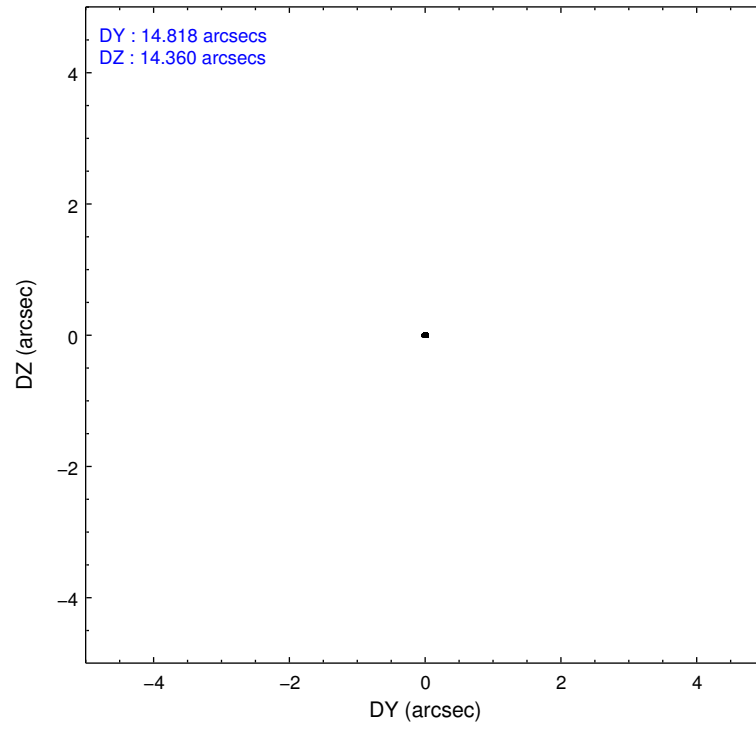
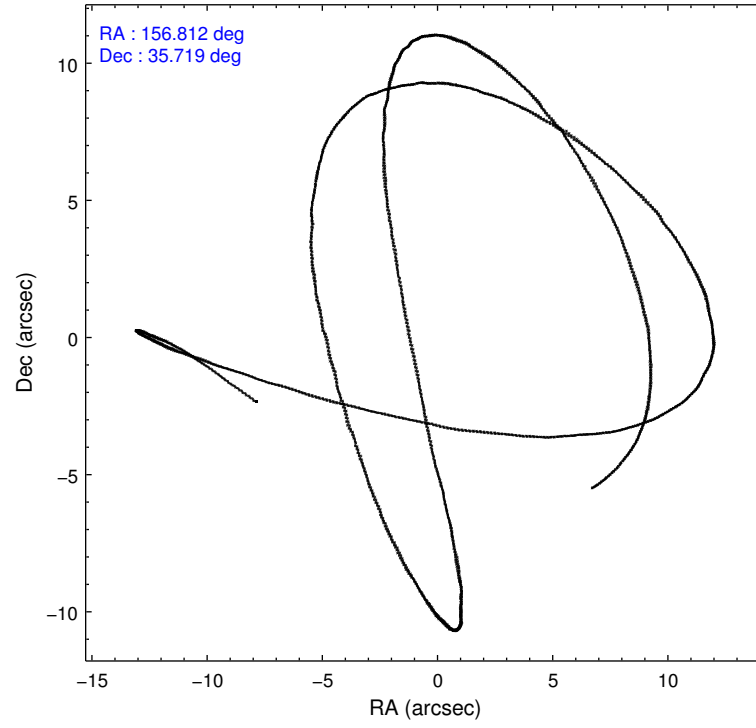
	ccd 6	ccd 7	ccd 8
level 1 events	7418	9541	10853
rejected events	6426	5015	7759
rejected %	86%	52%	71%

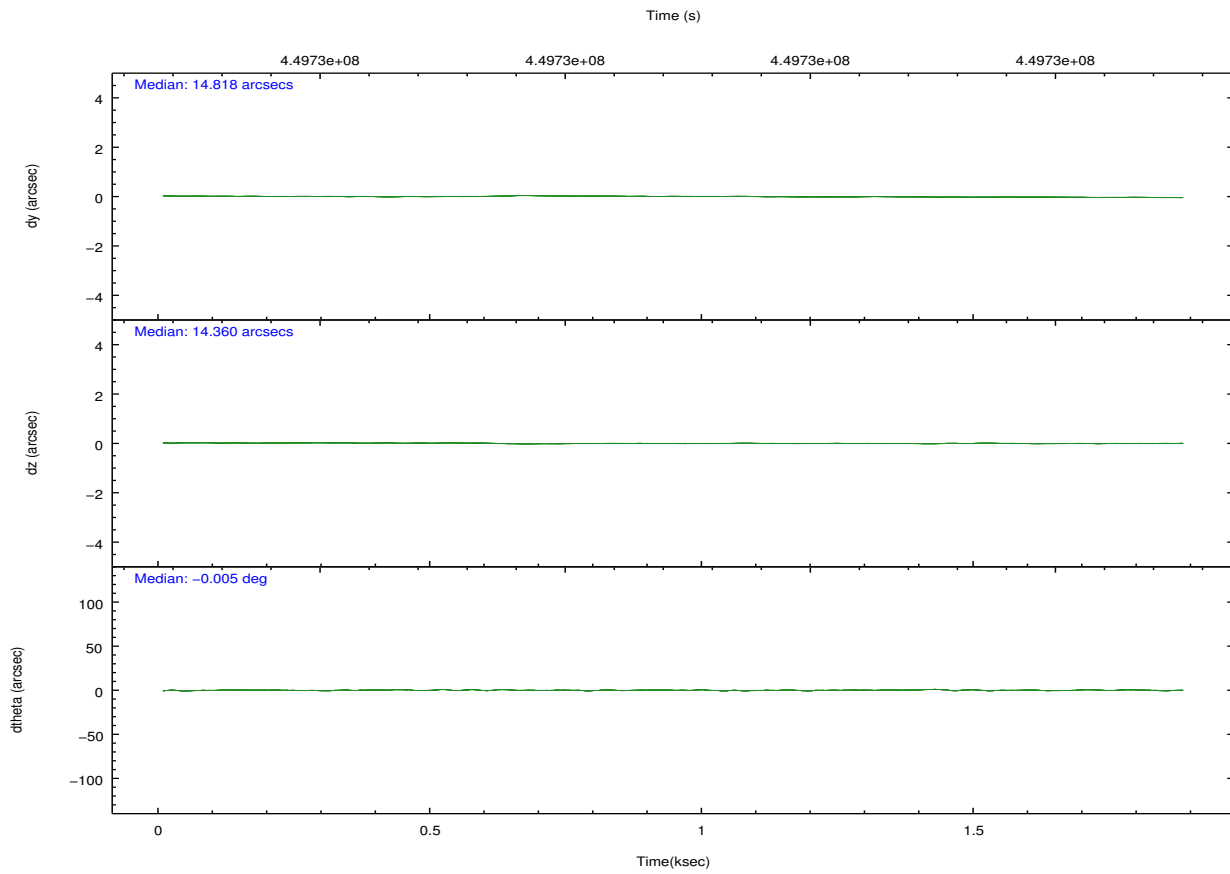
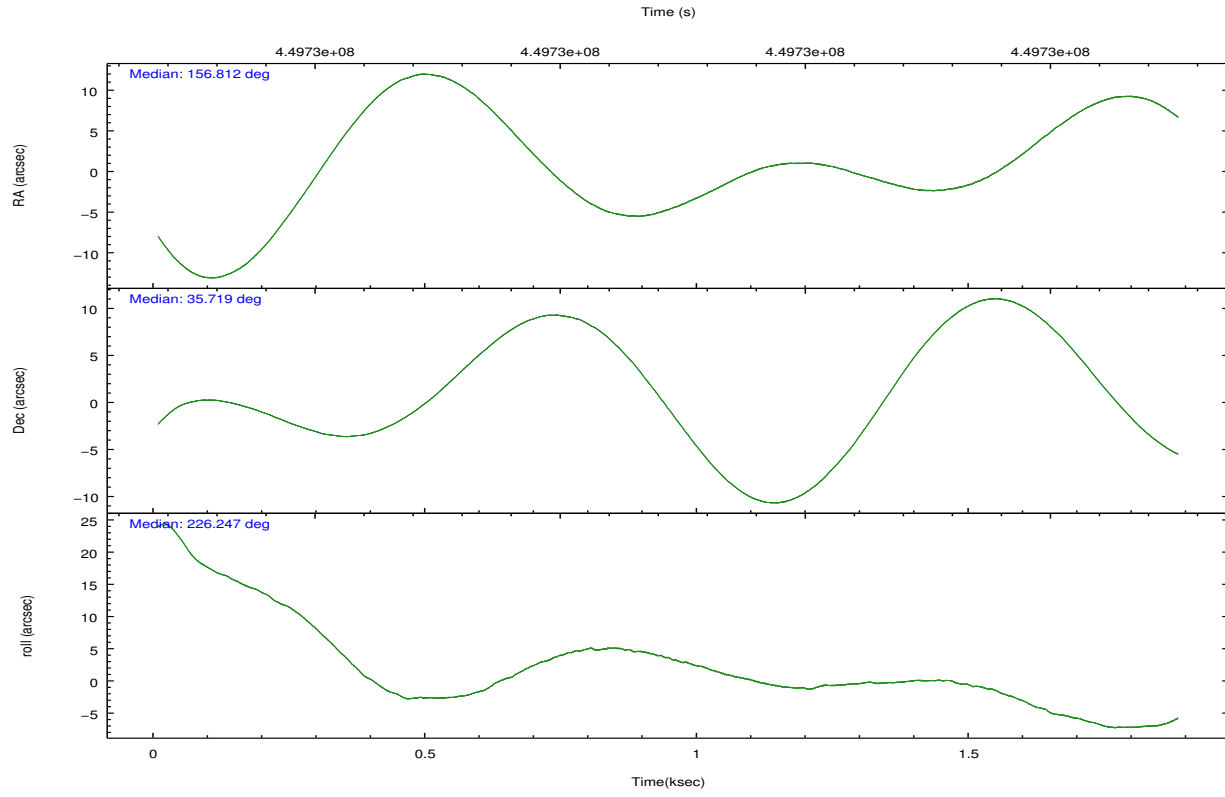
	ccd 6	ccd 7	ccd 8
grade 0 events	377	456	988
	5%	4%	9%
grade 1 events	3	5	6
	0%	0%	0%
grade 2 events	212	963	711
	2%	10%	6%
grade 3 events	86	398	348
	1%	4%	3%
grade 4 events	111	377	315
	1%	3%	2%
grade 5 events	378	999	536
	5%	10%	4%
grade 6 events	208	2345	795
	2%	24%	7%
grade 7 events	6043	3998	7154
	81%	41%	65%

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	156.820105	156.8126168168313	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.745211	35.71859958119349	Alternating exposures requested	N	N
[deg] Pointing Roll	226.094190	226.2552532554545	[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)	449732163.184000	449731245.78012			
Observation start date	2012-04-02T05:34:57	2012-04-02T05:20:45			
[s] Observation end time (MET)	449733663.184000	449734632.8928			
Observation end date	2012-04-02T05:59:57	2012-04-02T06:17:12			
Read mode	TIMED	TIMED			

2.3 Aspect



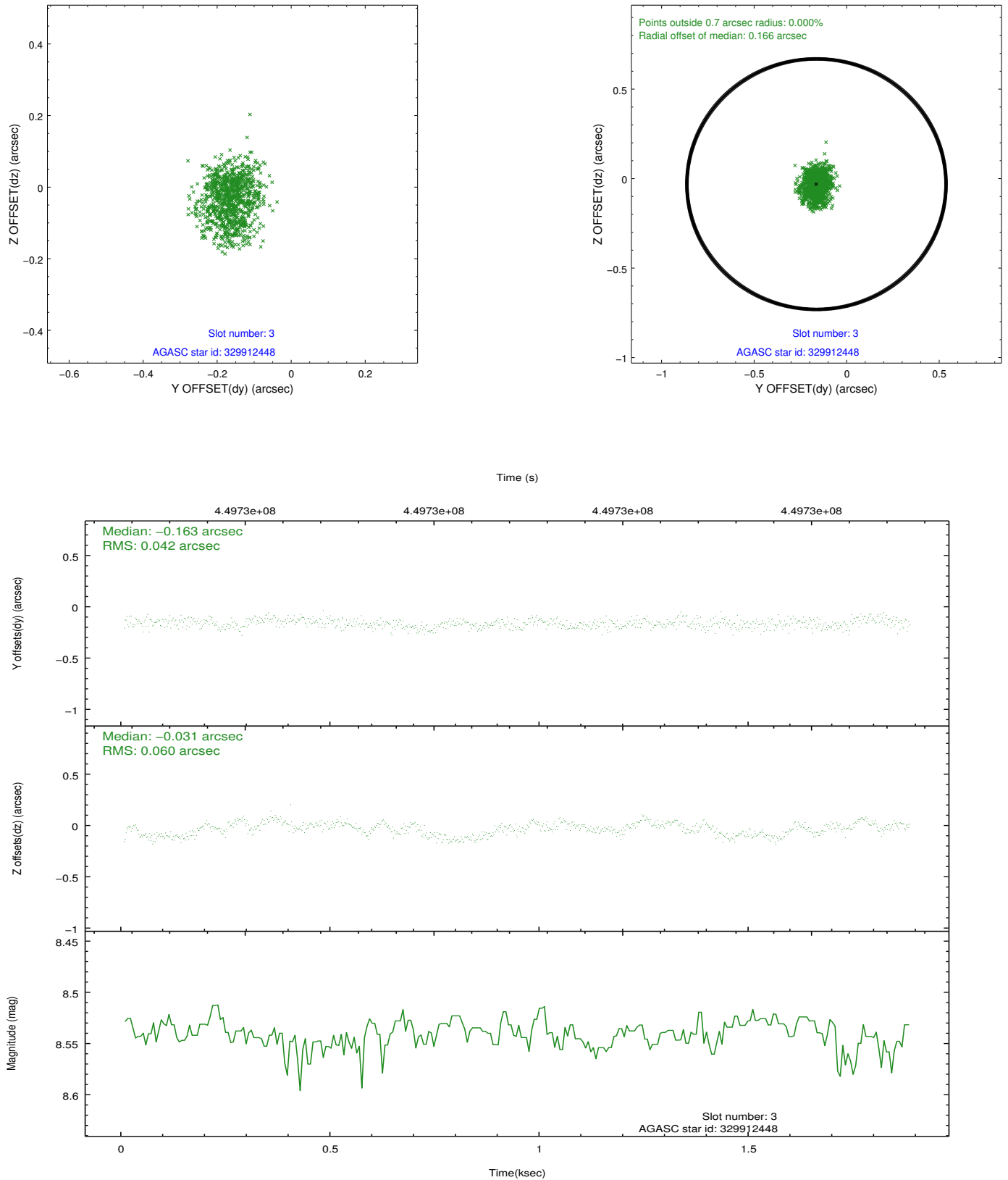


Slot Statistics

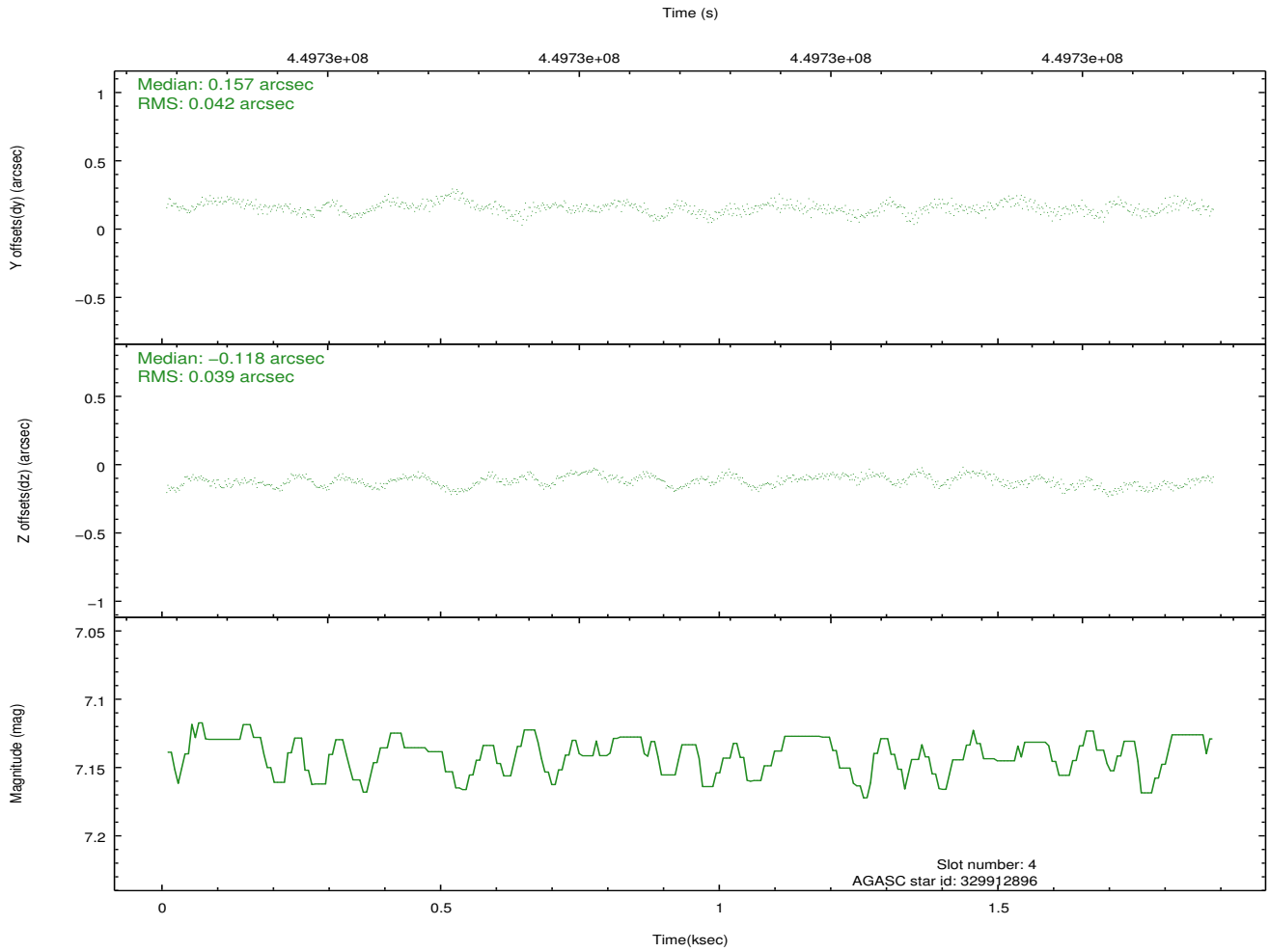
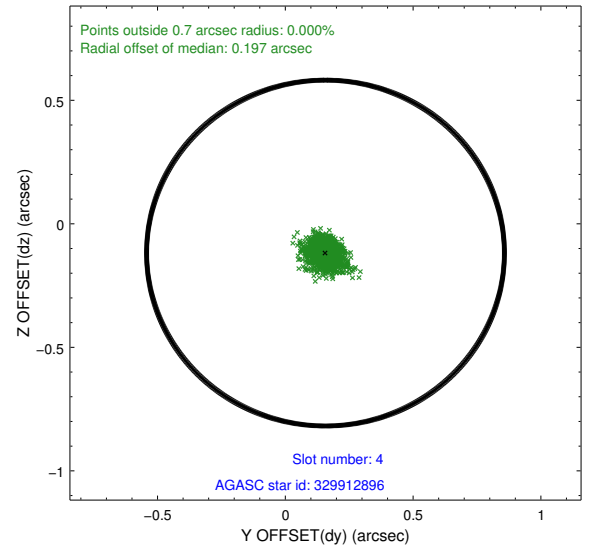
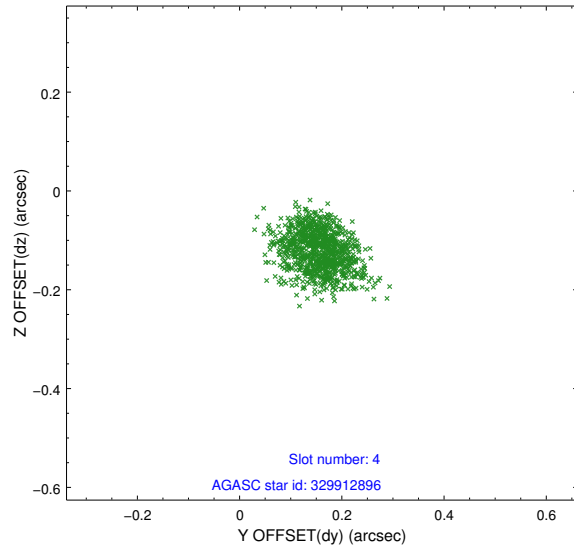
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.05	458	0.027	-0.016	0.007	0.012	0.000000	0.000000	928.28	-1731.37
1	FID	ACIS-S-4	7.06	458	0.207	0.003	0.006	0.010	0.000000	0.000000	2147.80	169.19
2	FID	ACIS-S-5	7.09	458	-0.261	0.026	0.007	0.015	0.000000	0.000000	-1816.39	166.77
3	GUIDE	329912448	8.54	917	-0.163	-0.031	0.078	0.123	157.304305	35.870549	-1306.89	702.43
4	GUIDE	329912896	7.14	917	0.157	-0.118	0.062	0.098	156.618402	36.227676	-846.21	-1625.99
5	GUIDE	329915400	7.26	917	-0.137	-0.002	0.059	0.094	156.755975	36.431852	-1652.58	-1849.70
6	GUIDE	329916816	9.61	917	0.128	0.092	0.120	0.186	157.502323	36.020721	-2098.41	736.78
7	GUIDE	329917904	6.59	916	0.021	0.067	0.072	0.118	156.377374	36.204555	-302.76	-2074.17

2.4 Star Slots

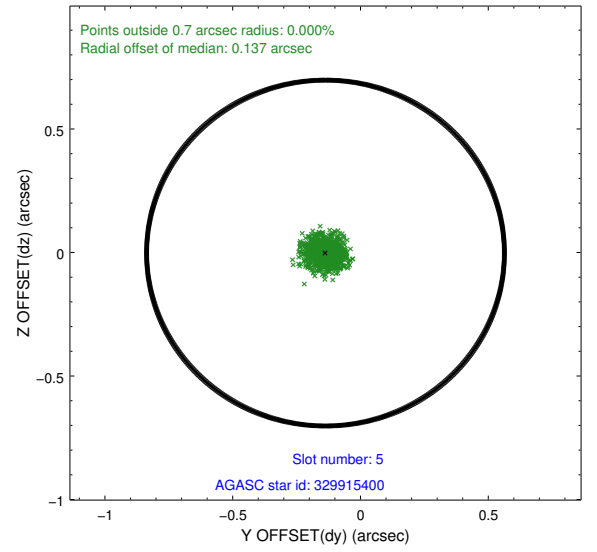
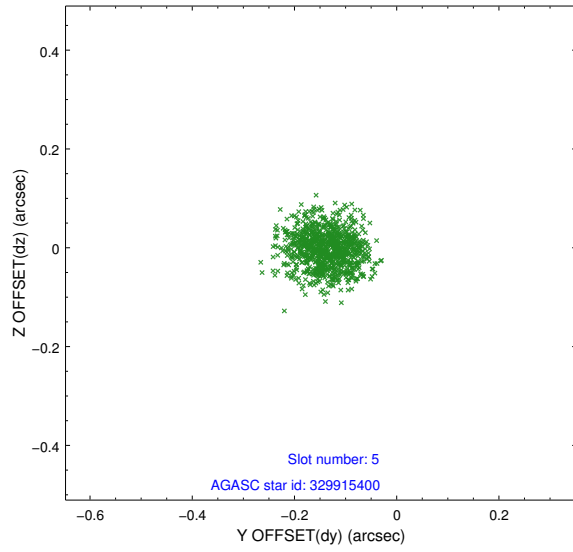
2.4.1 Slot 3



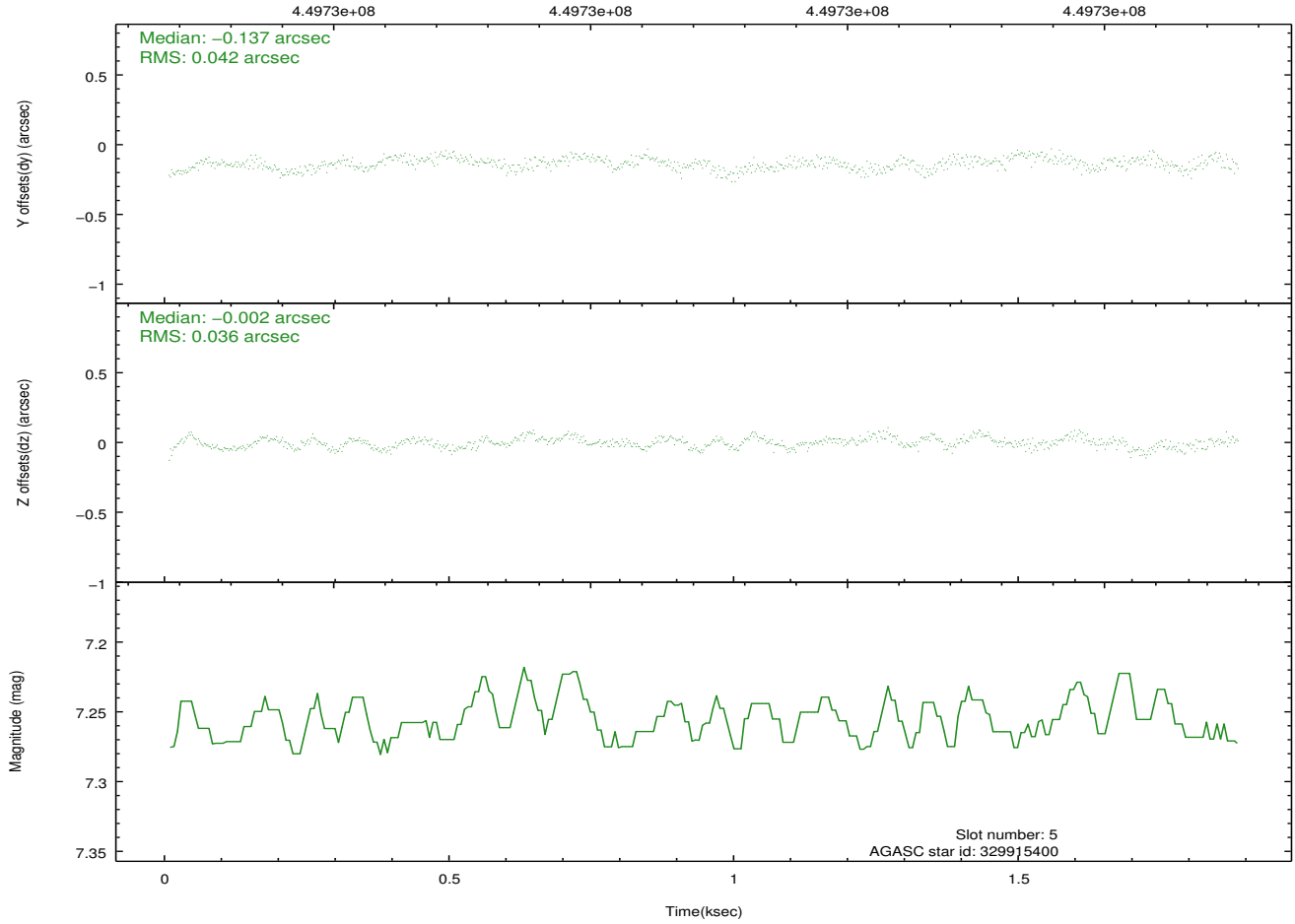
2.4.2 Slot 4



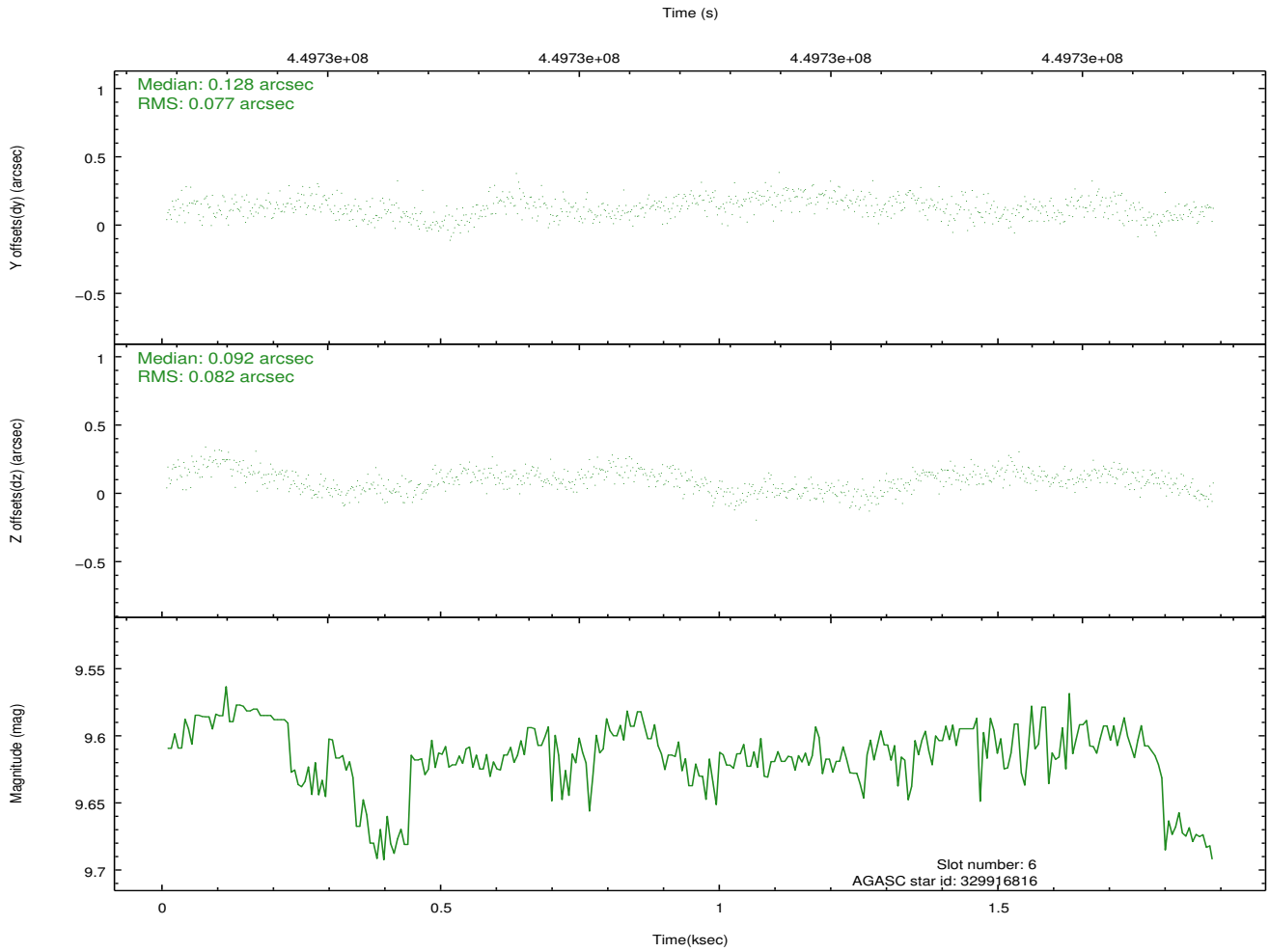
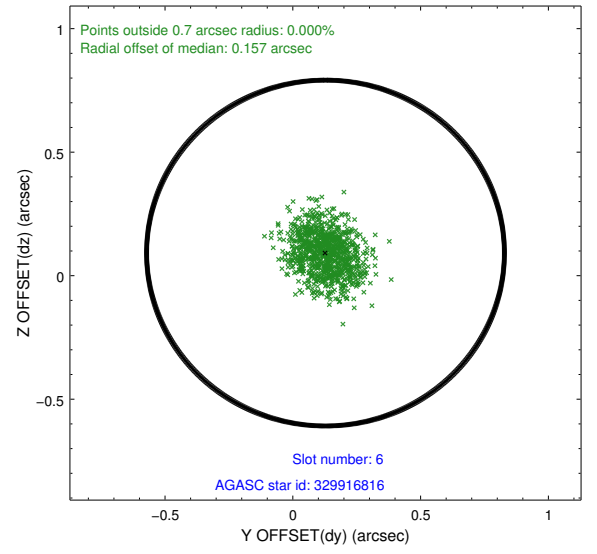
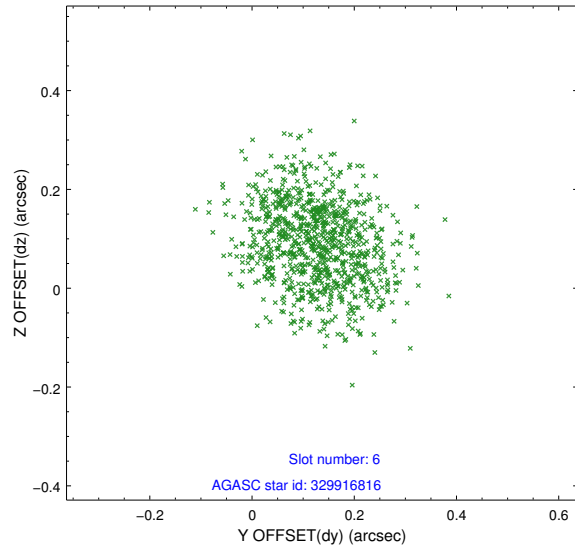
2.4.3 Slot 5



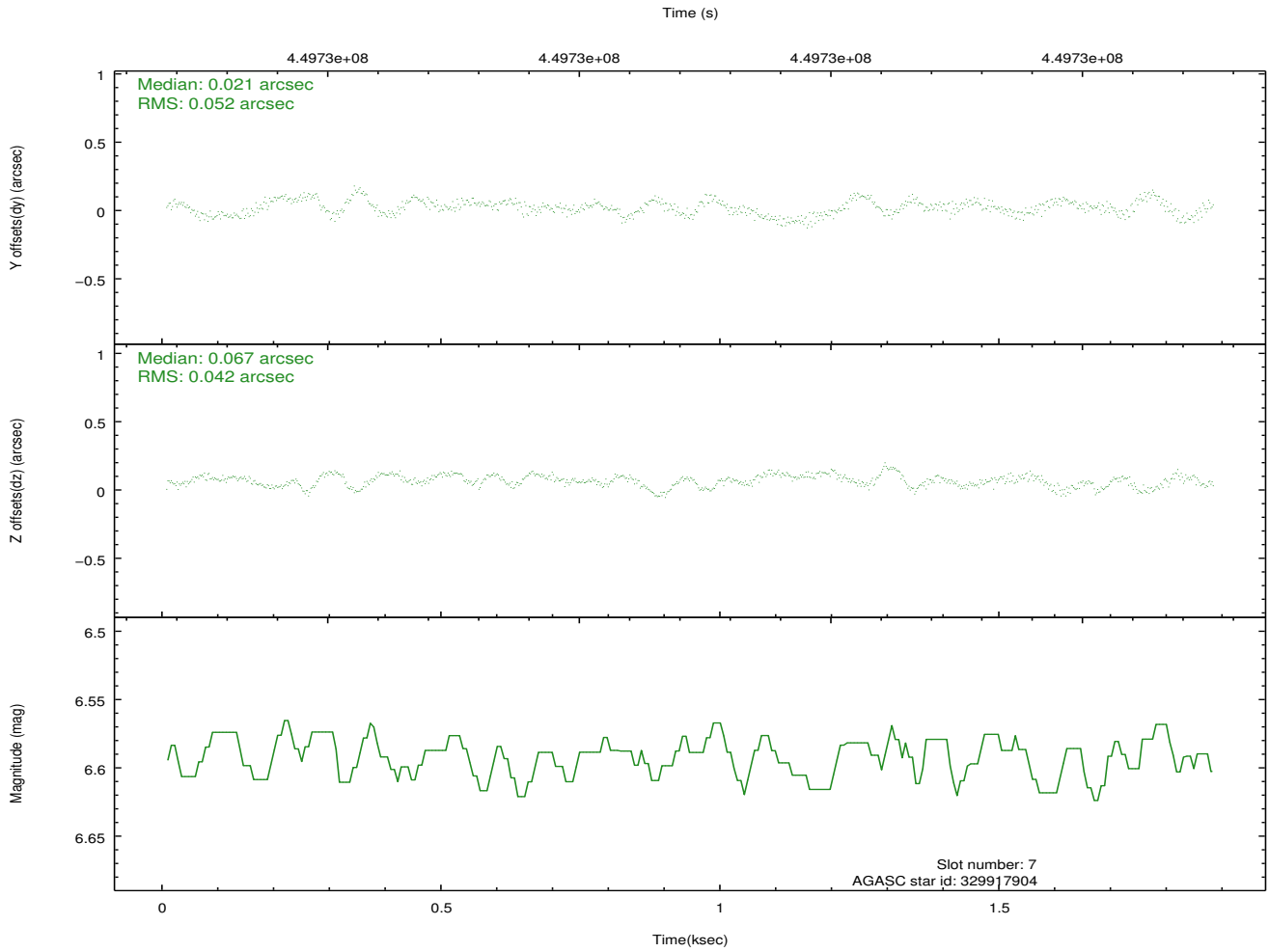
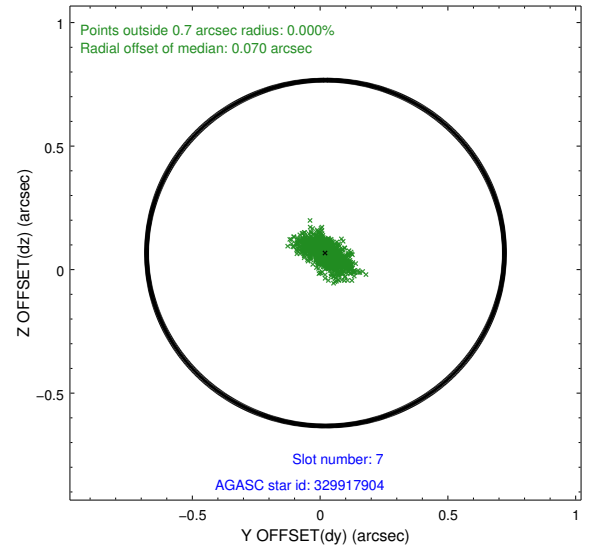
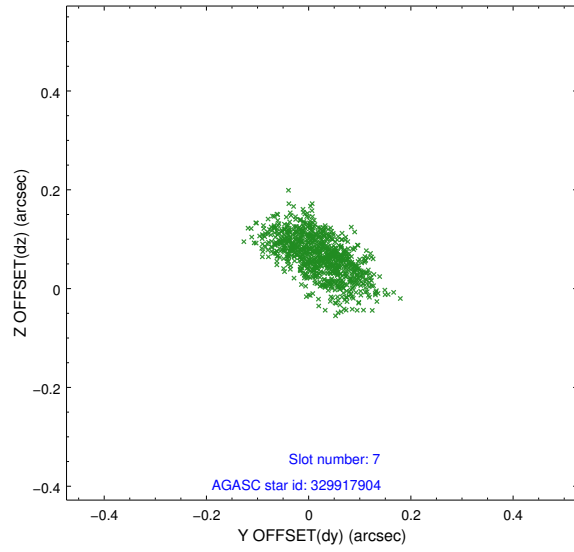
Time (s)



2.4.4 Slot 6

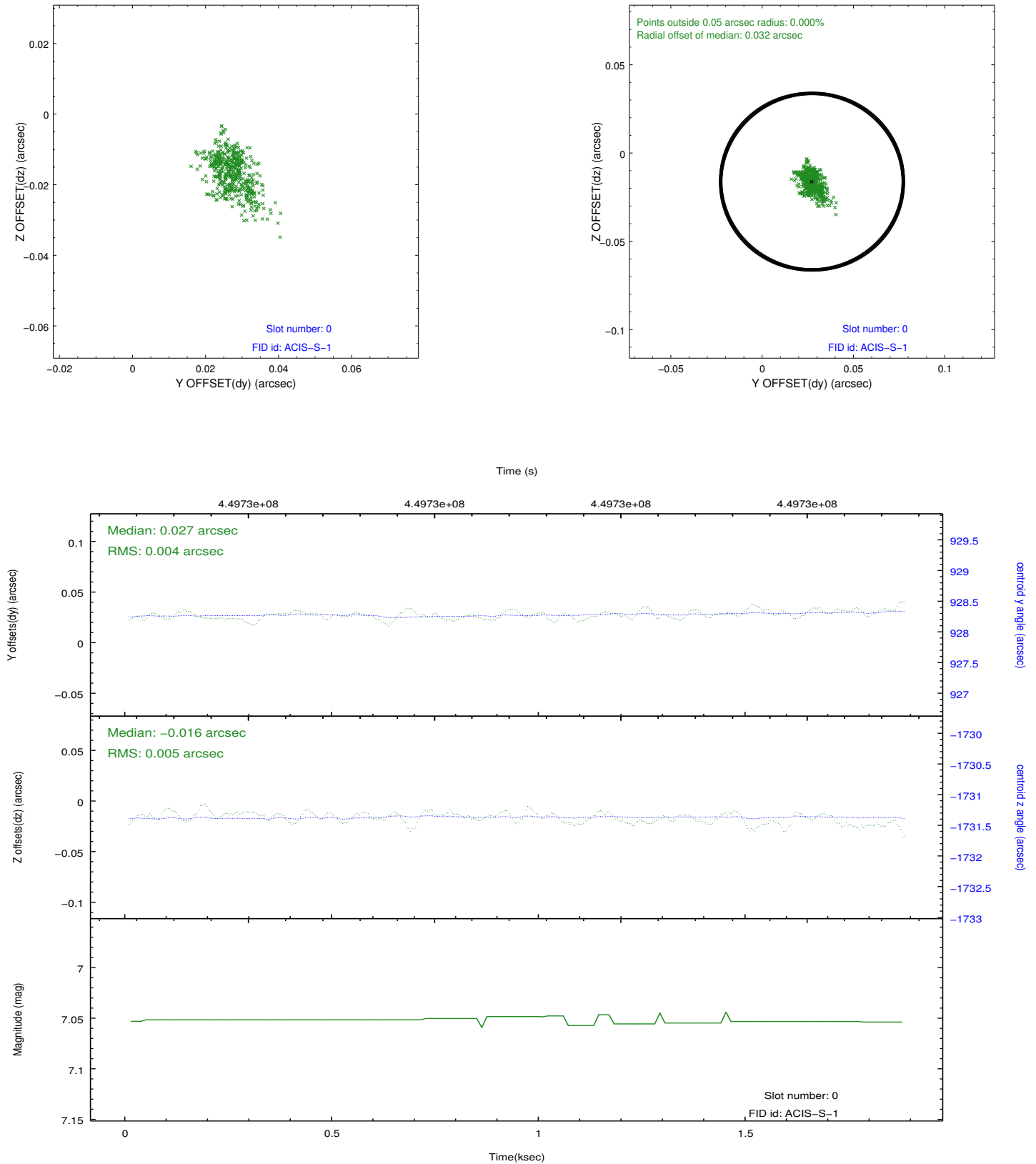


2.4.5 Slot 7

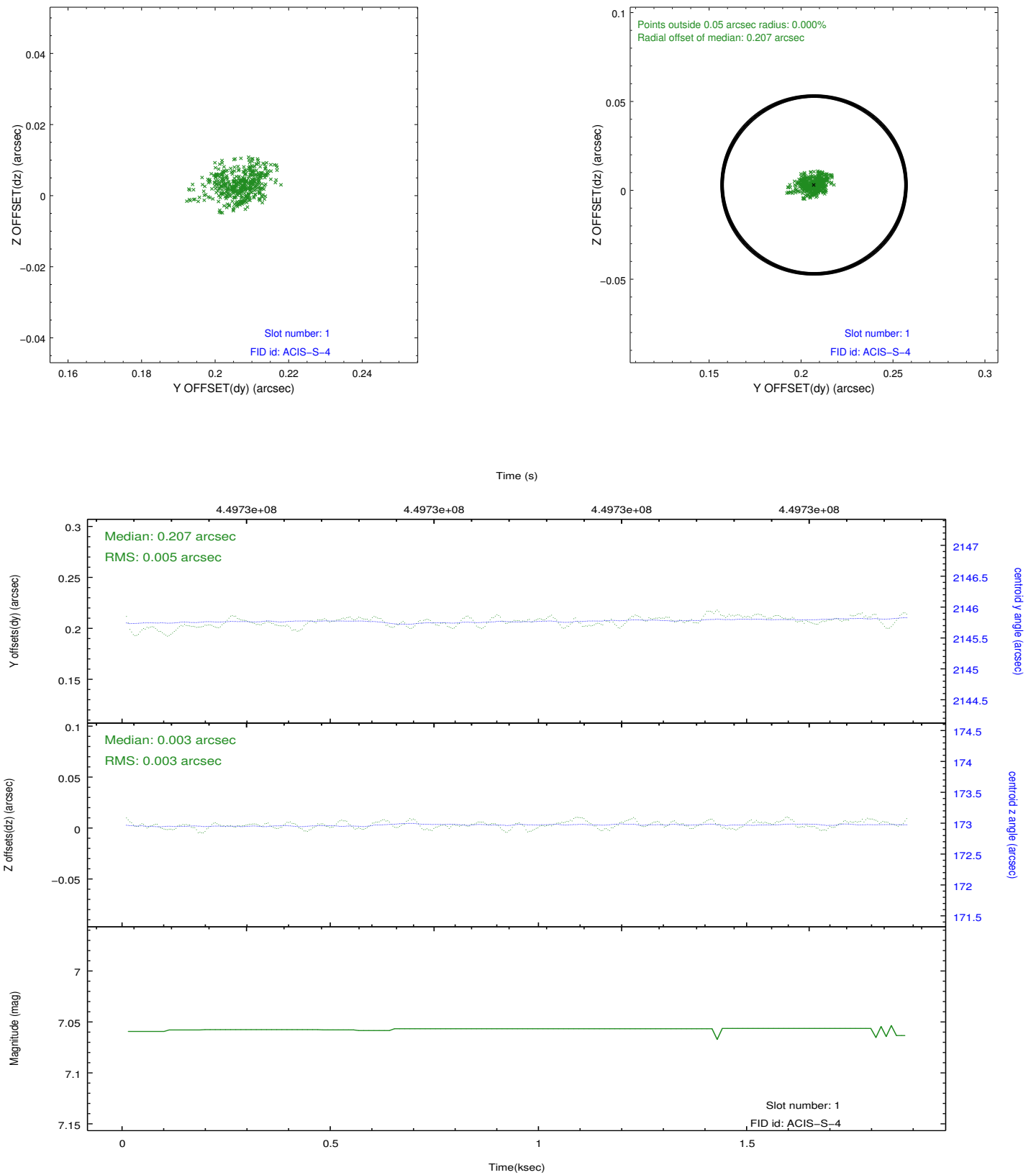


2.5 FID Slots

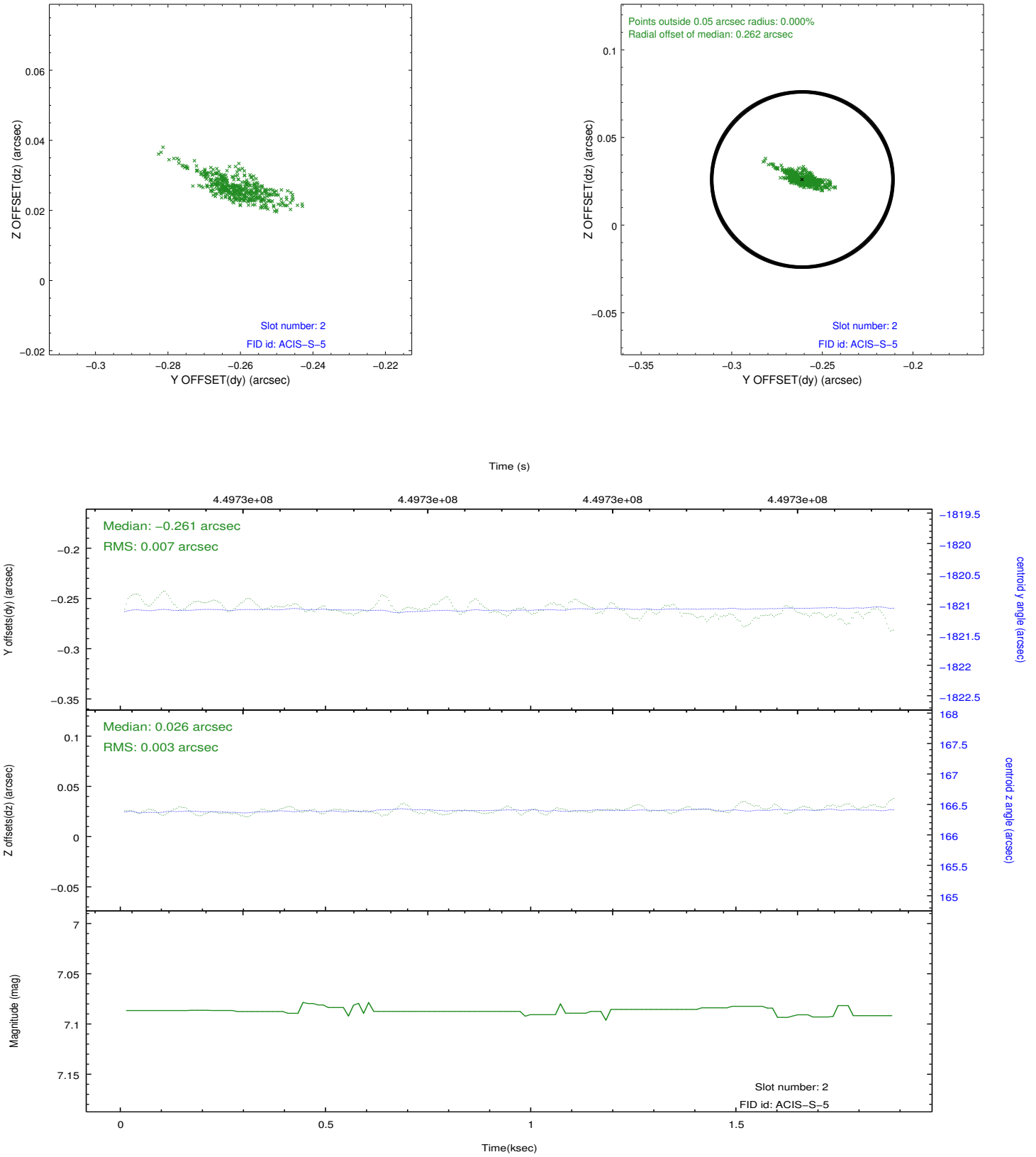
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5770392501354

A.2 Comments