

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13320 - L2 Version 2
Chandra X-Ray Center

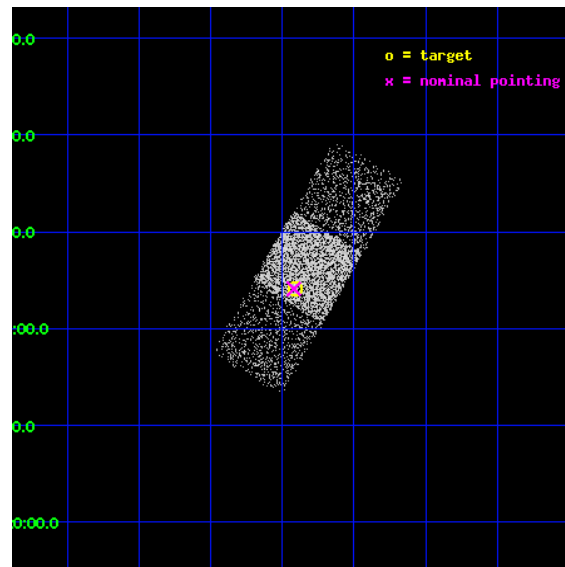
L2 Processing Date : Feb 28 2012

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1 Front

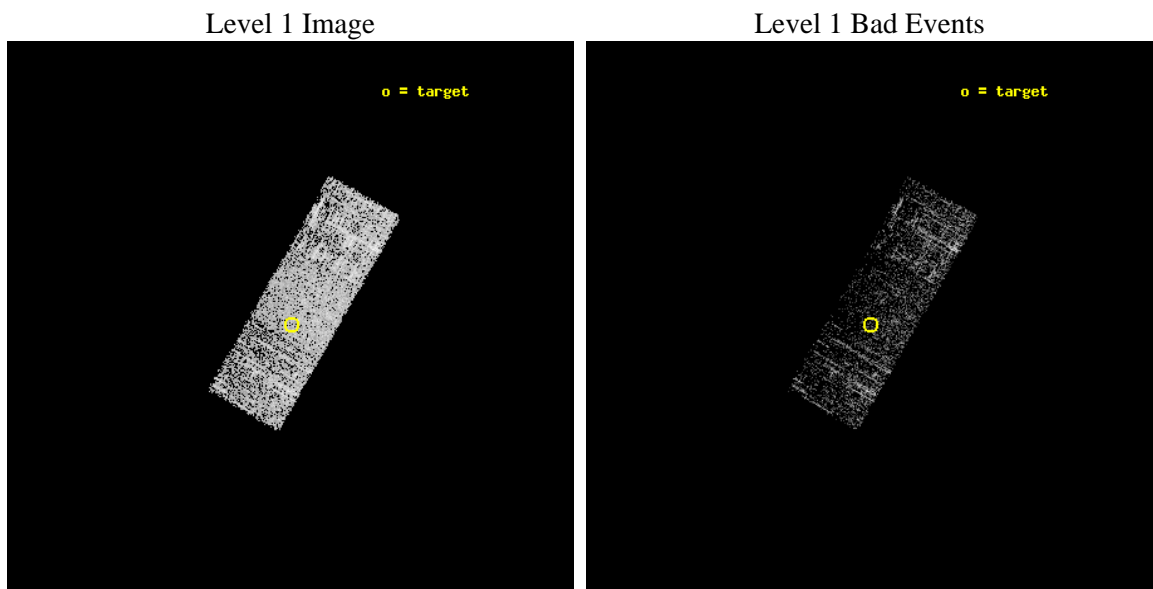
seq_num	702527	Sequence number
obs_id	13320	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J2105+0004	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	316.352083	Observer's specified target RA [deg]
dec_targ	0.068694	Observer's specified target Dec [deg]
ra_nom	316.35476278906	Nominal RA [deg]
dec_nom	0.068659626260774	Nominal Dec [deg]
roll_nom	299.99457130897	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1561.8221101165	Sum of GTIs [s]
livetime	1541.4157544511	Livetime [s]
ontime6	1561.7810701132	Sum of GTIs [s]
ontime7	1561.8221101165	Sum of GTIs [s]
ontime8	1561.7400301099	Sum of GTIs [s]
l2events	7063	Number of level 2 events



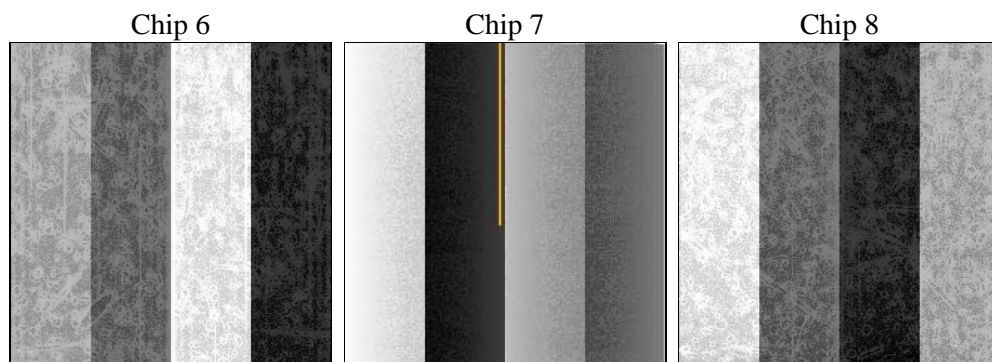
2 OBI

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	1561.8221101165	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1561.7810701132	Sum of GTIs [s]
date	2012-02-28T18:21:41	Date and time of file creation	ontime7	1561.8221101165	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1561.7400301099	Sum of GTIs [s]
			l1events	31563	Number of level 1 events

2.1.4 Events

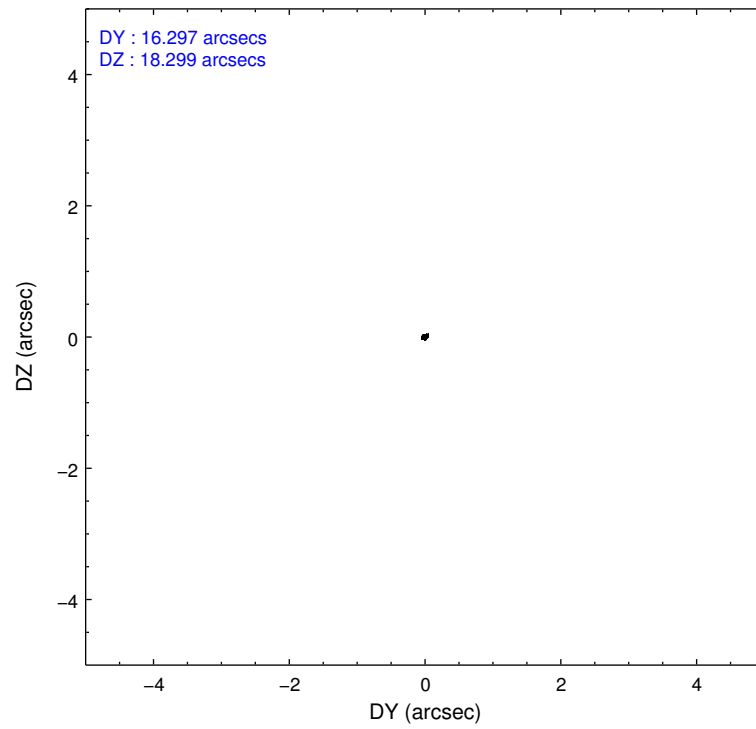
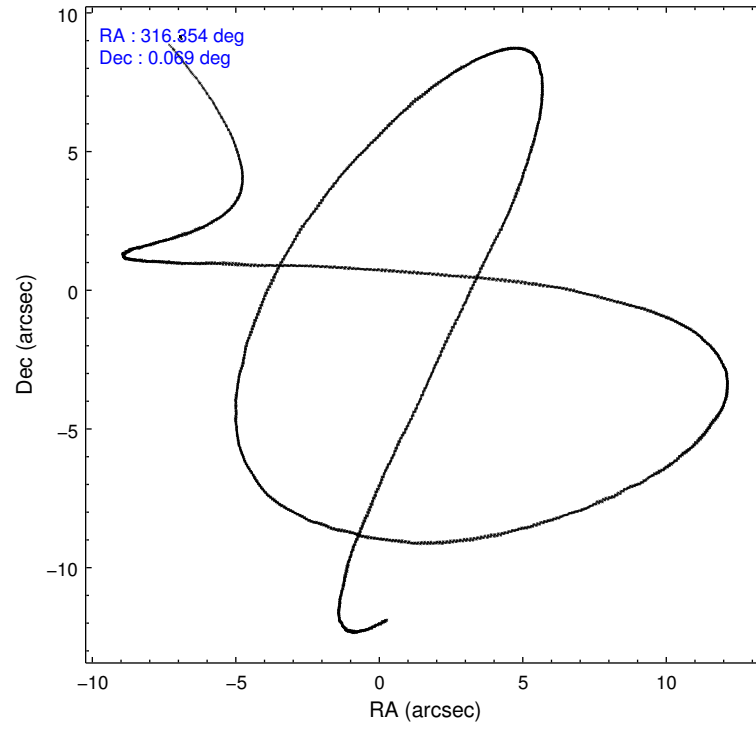
	ccd 6	ccd 7	ccd 8
level 1 events	8568	10540	12455
rejected events	7443	5399	8948
rejected %	86%	51%	71%

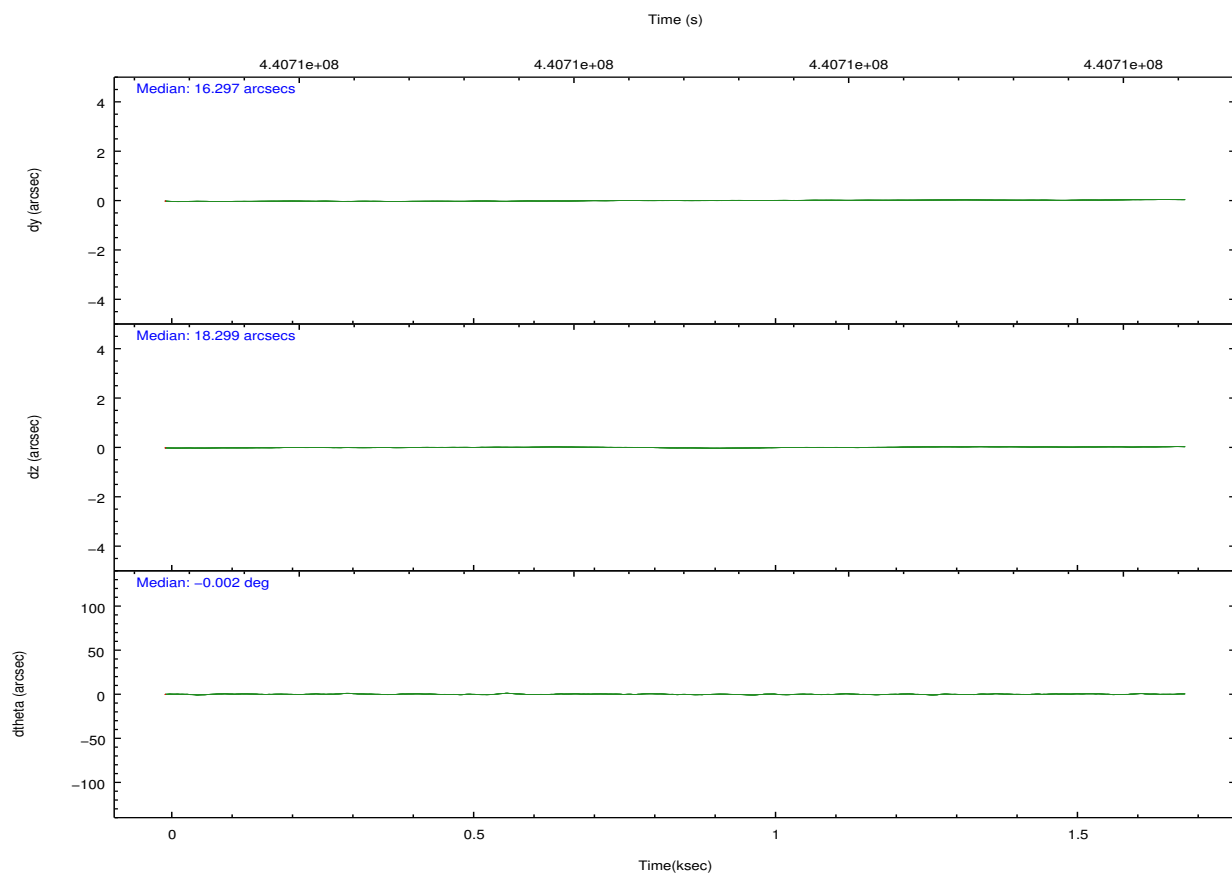
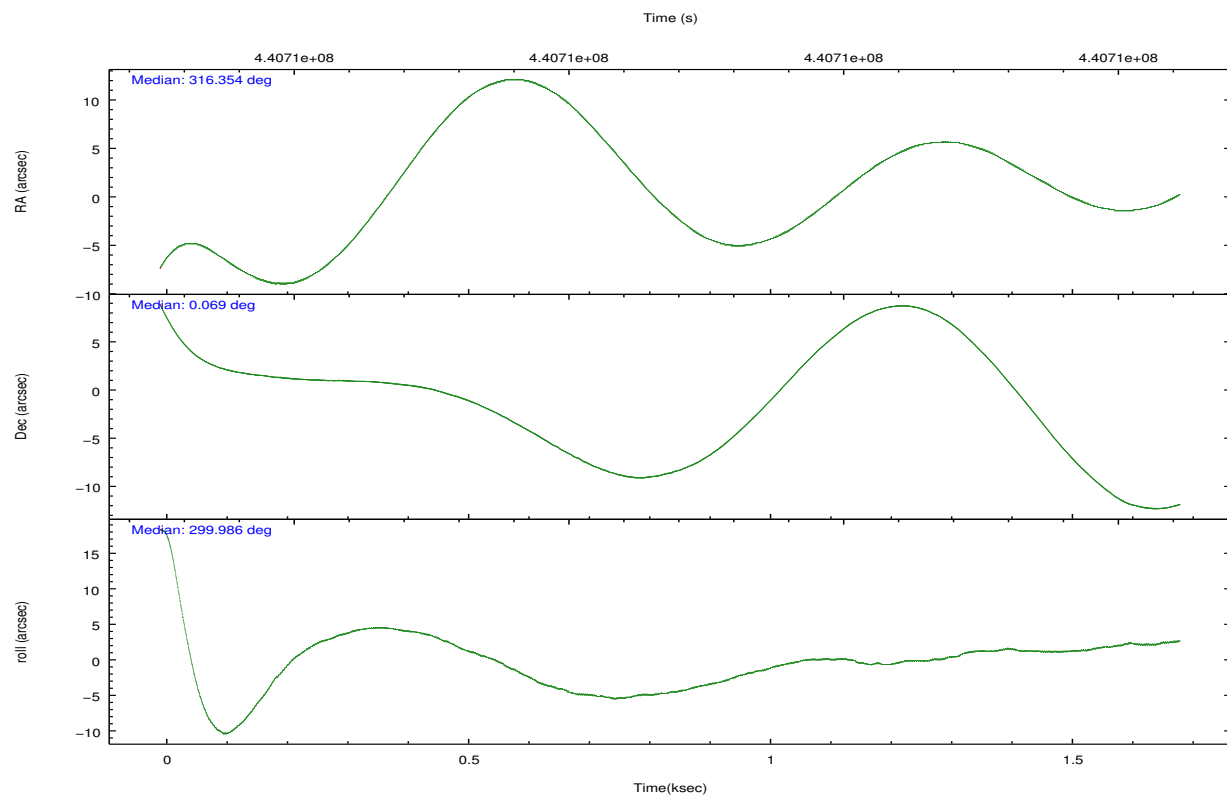
	ccd 6	ccd 7	ccd 8
grade 0 events	378	511	1021
	4%	4%	8%
grade 1 events	7	15	15
	0%	0%	0%
grade 2 events	265	1065	797
	3%	10%	6%
grade 3 events	117	492	358
	1%	4%	2%
grade 4 events	126	468	376
	1%	4%	3%
grade 5 events	383	1075	587
	4%	10%	4%
grade 6 events	240	2630	968
	2%	24%	7%
grade 7 events	7052	4284	8333
	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	316.331249	316.3547627890595	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.081911	0.06865962626077375	Alternating exposures requested	N	N
[deg] Pointing Roll	299.837809	299.9945713089715	[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)	440708530.184000	440707004.36503			
Observation start date	2011-12-19T19:01:04	2011-12-19T18:36:44			
[s] Observation end time (MET)	440710030.184000	440710800.96523			
Observation end date	2011-12-19T19:26:04	2011-12-19T19:40:00			
Read mode	TIMED	TIMED			

2.3 Aspect



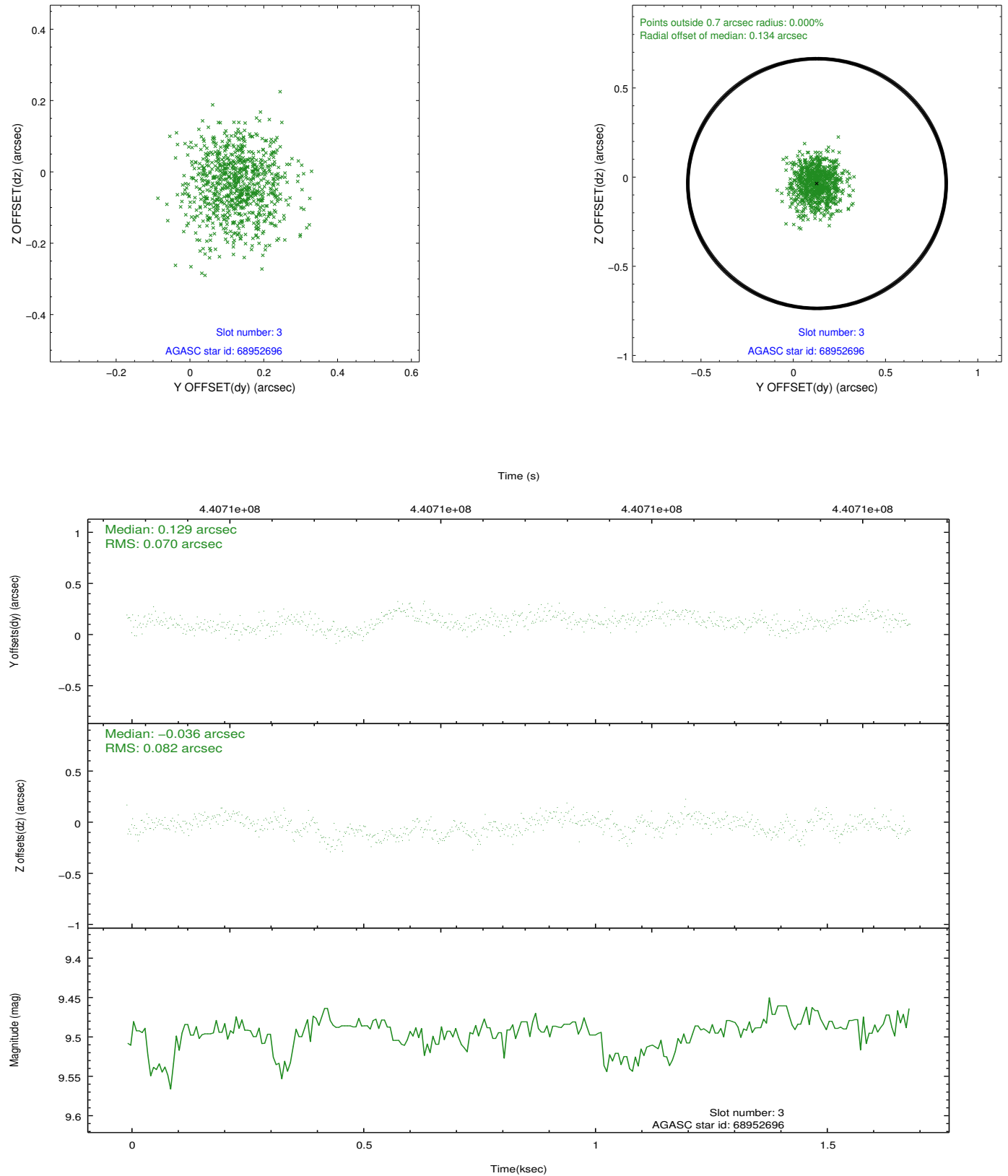


Slot Statistics

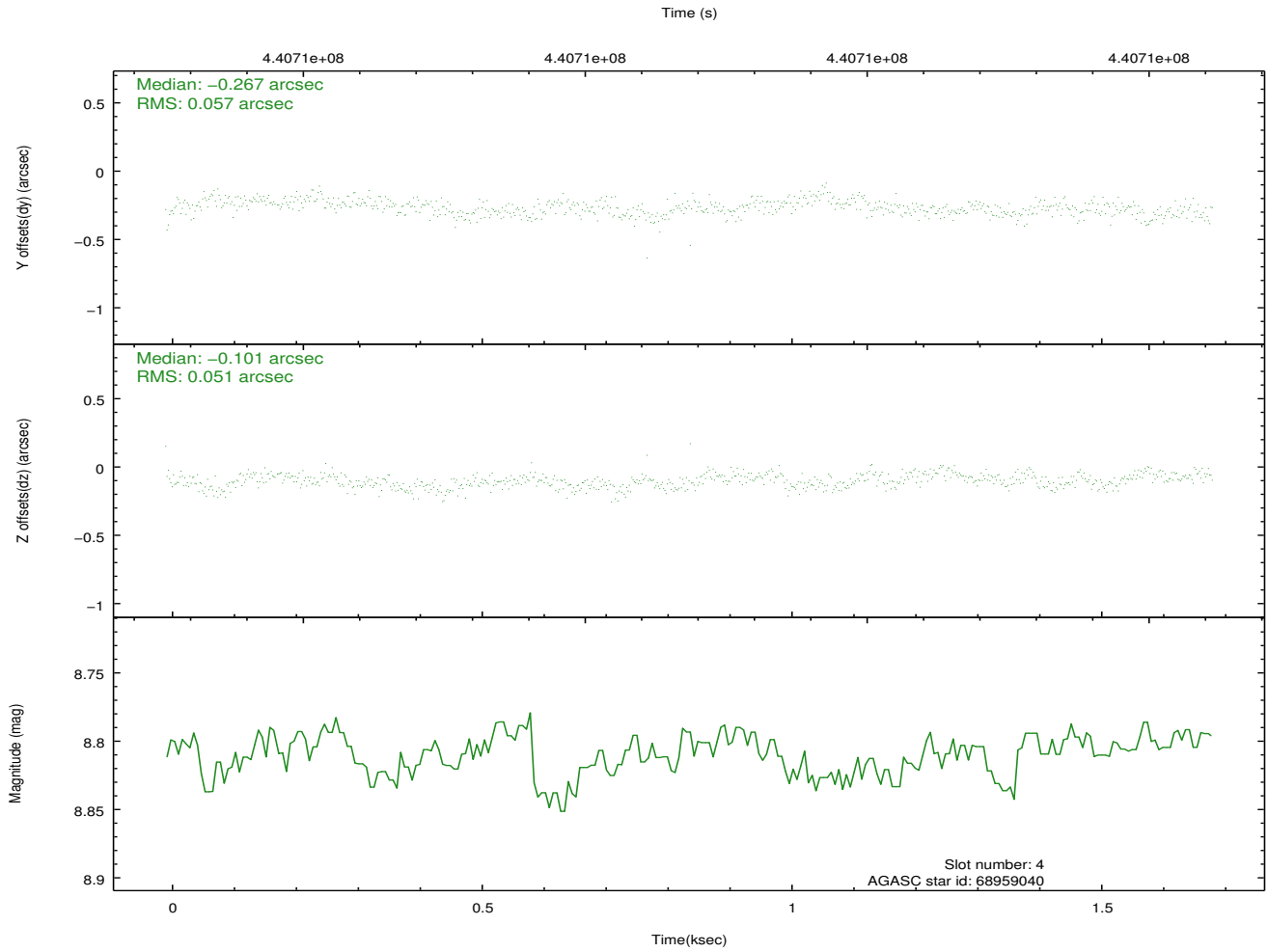
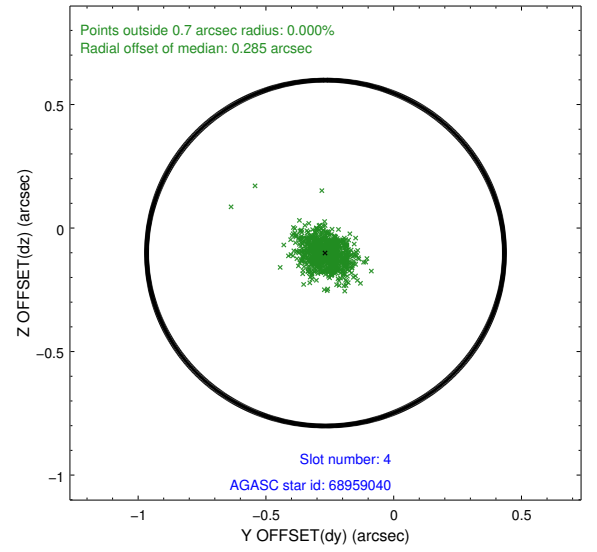
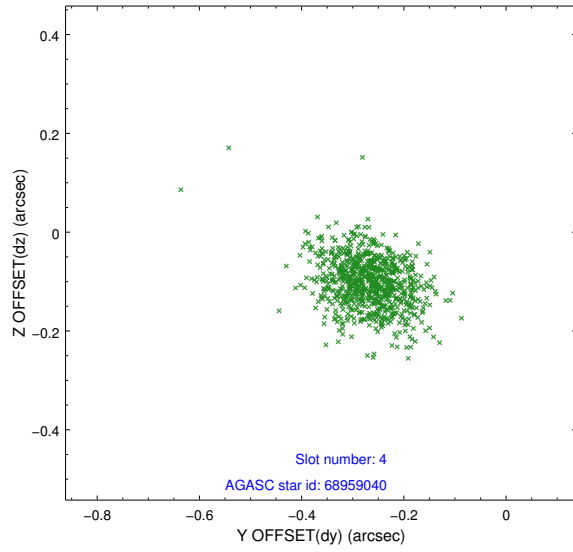
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	413	-0.082	-0.039	0.006	0.009	0.000000	0.000000	-769.43	-1739.73
1	FID	ACIS-S-4	6.99	413	0.182	0.050	0.005	0.009	0.000000	0.000000	2142.37	164.70
2	FID	ACIS-S-5	7.02	413	-0.131	-0.002	0.006	0.011	0.000000	0.000000	-1817.28	162.87
3	GUIDE	68952696	9.49	825	0.129	-0.036	0.116	0.189	316.605108	0.396341	-490.82	1419.97
4	GUIDE	68959040	8.81	824	-0.267	-0.101	0.079	0.133	316.458730	0.657357	-1568.62	1431.28
5	GUIDE	680530440	9.67	823	0.338	-0.141	0.178	0.303	316.056486	-0.706777	1970.71	-2267.40
6	GUIDE	680538416	6.38	825	-0.110	-0.084	0.078	0.137	316.639252	-0.105017	1138.75	625.40
7	GUIDE	68946872	9.84	820	-0.094	0.369	0.169	0.273	315.983549	0.604659	-2252.72	-147.52

2.4 Star Slots

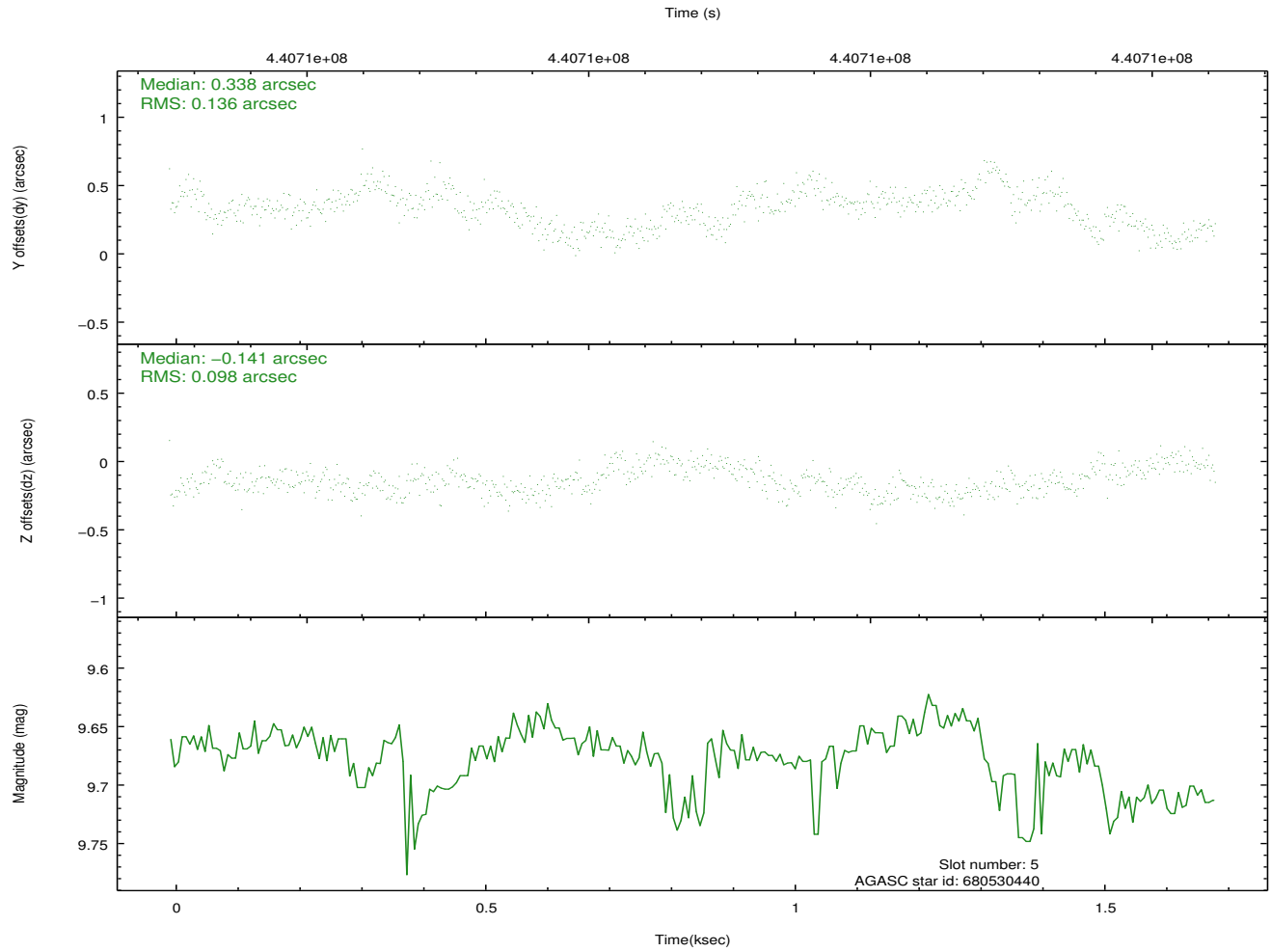
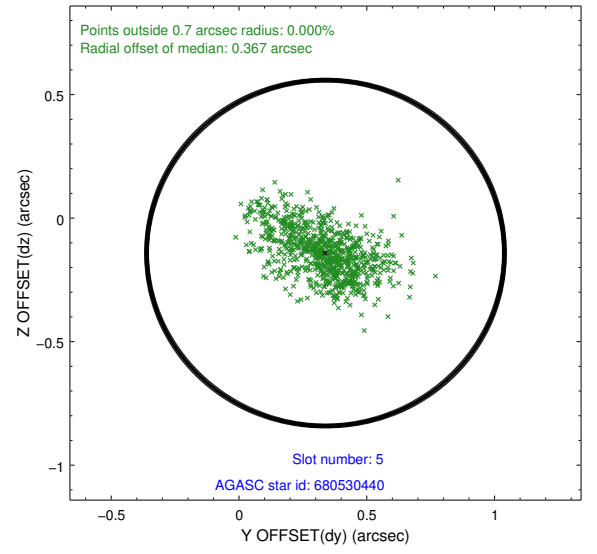
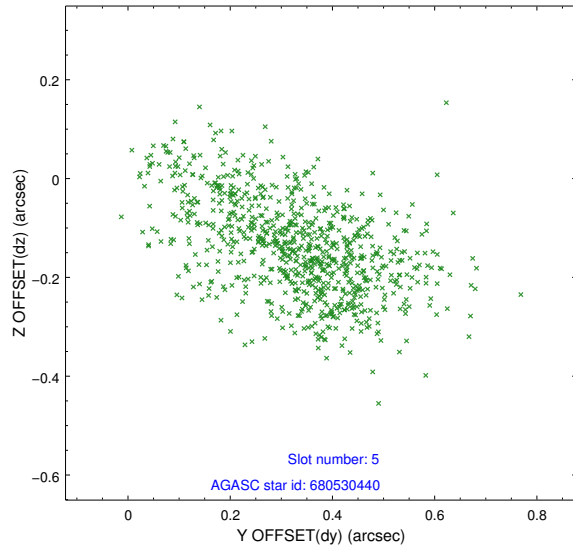
2.4.1 Slot 3



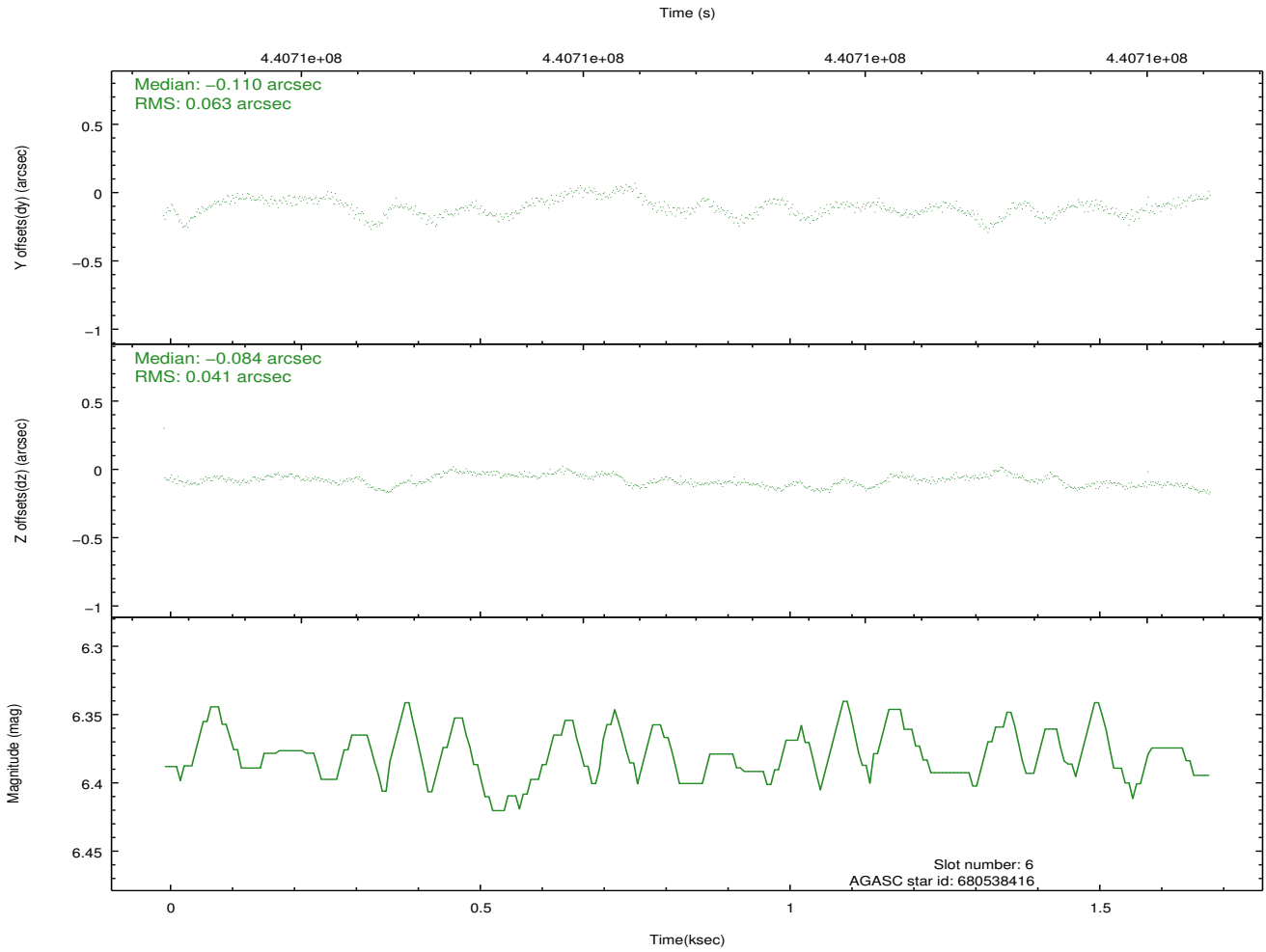
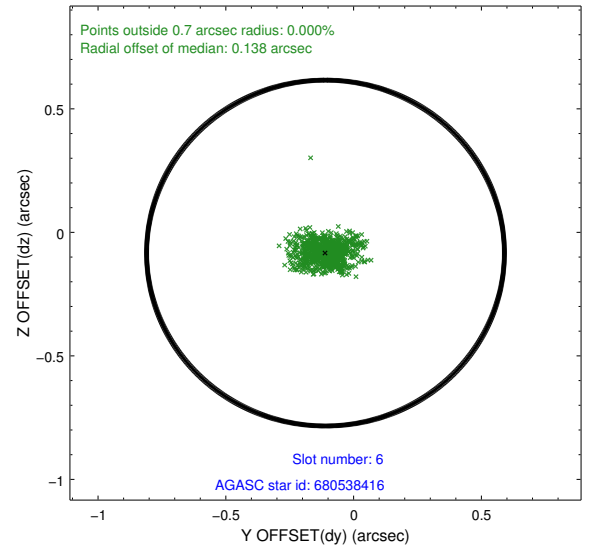
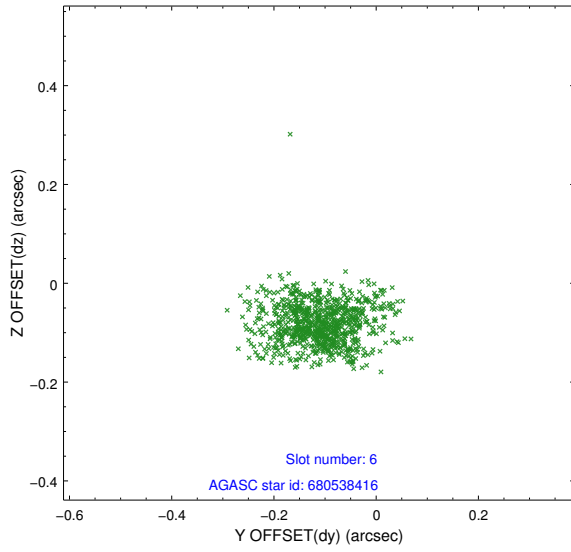
2.4.2 Slot 4



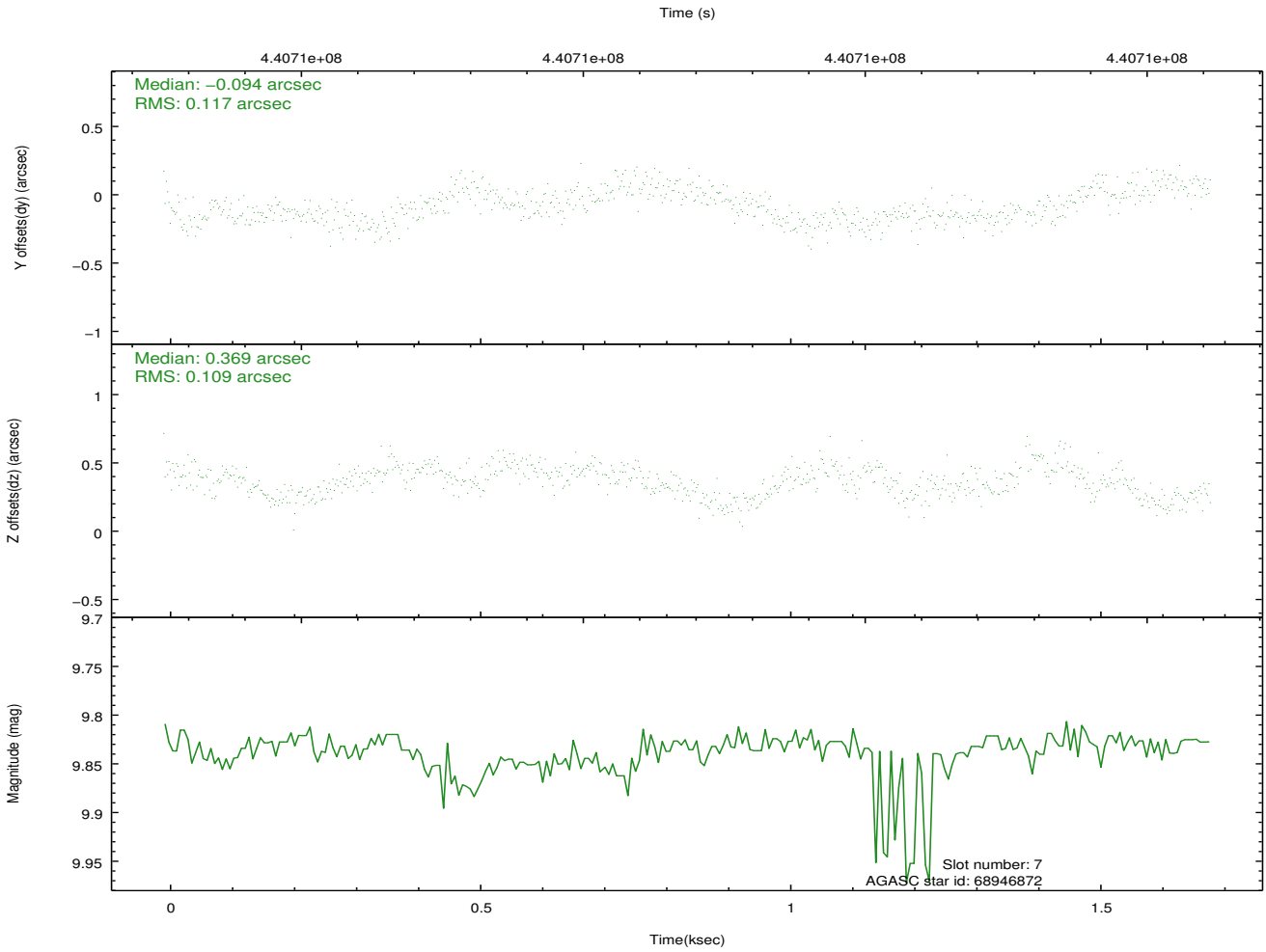
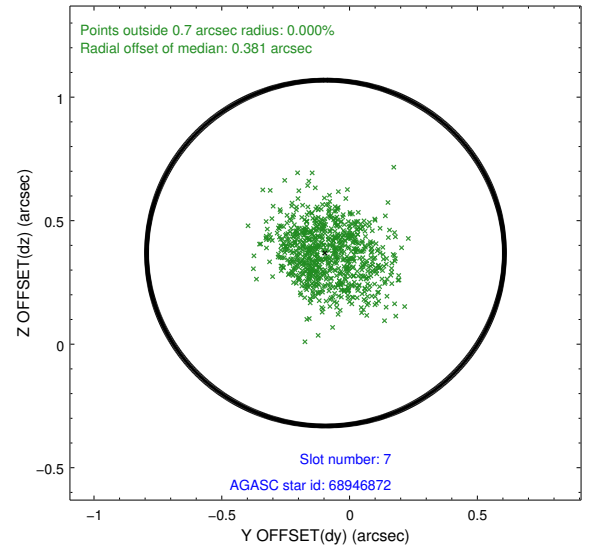
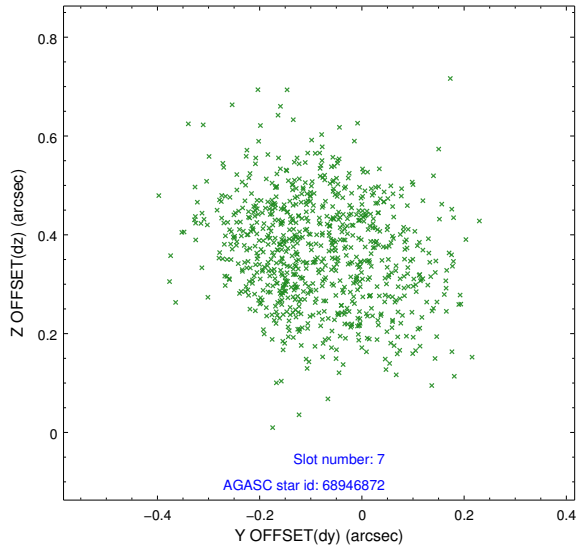
2.4.3 Slot 5



2.4.4 Slot 6

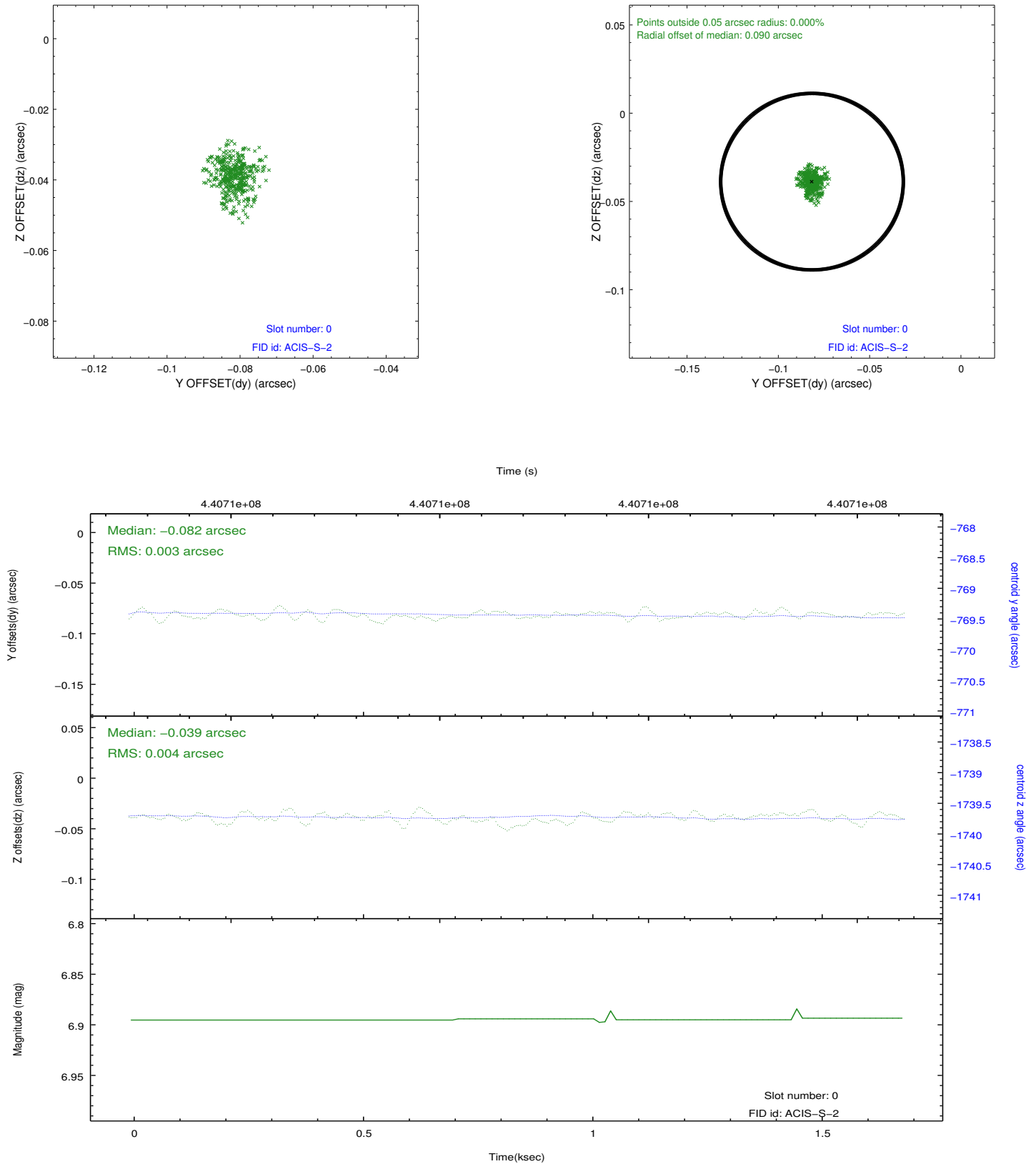


2.4.5 Slot 7

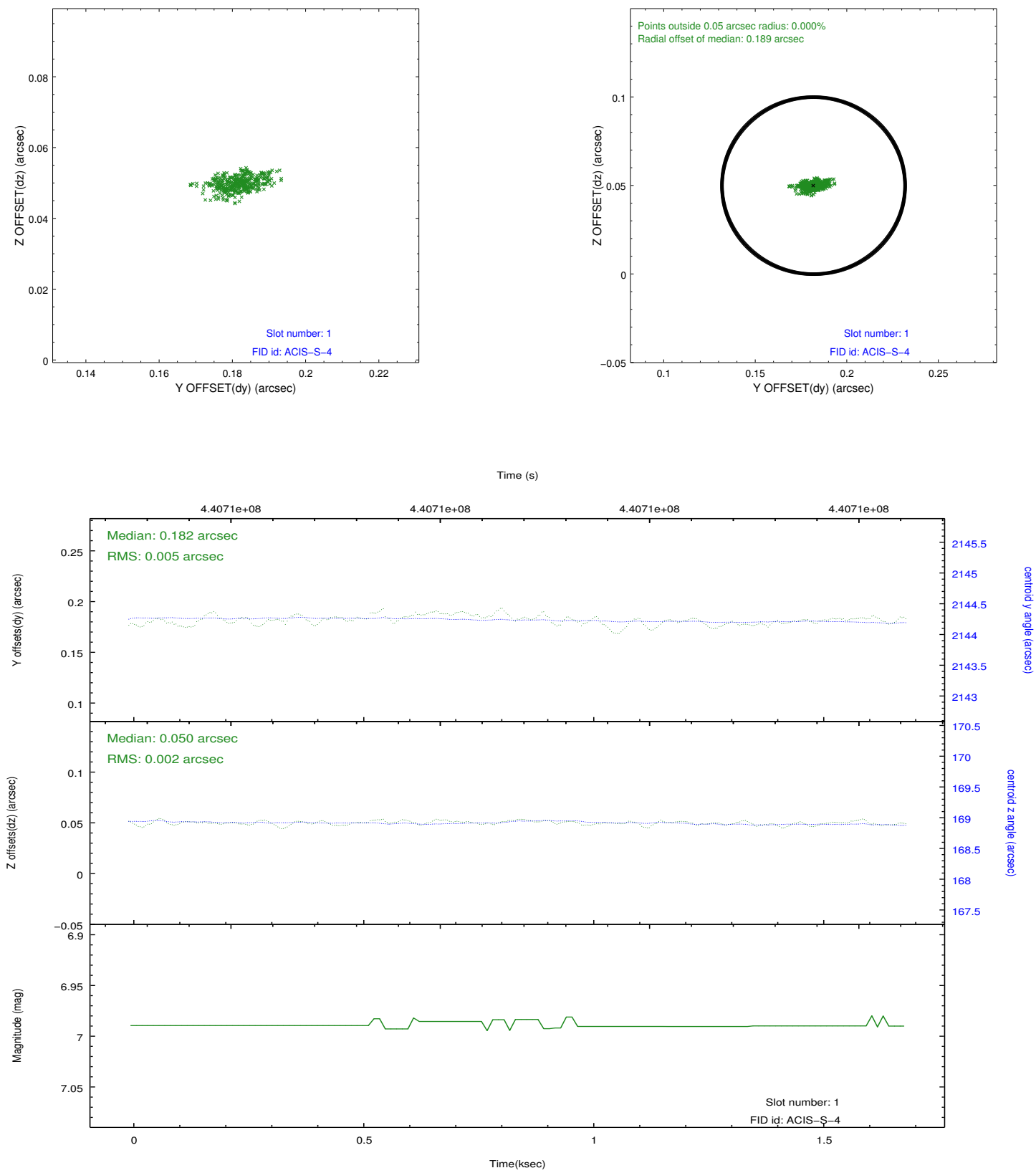


2.5 FID Slots

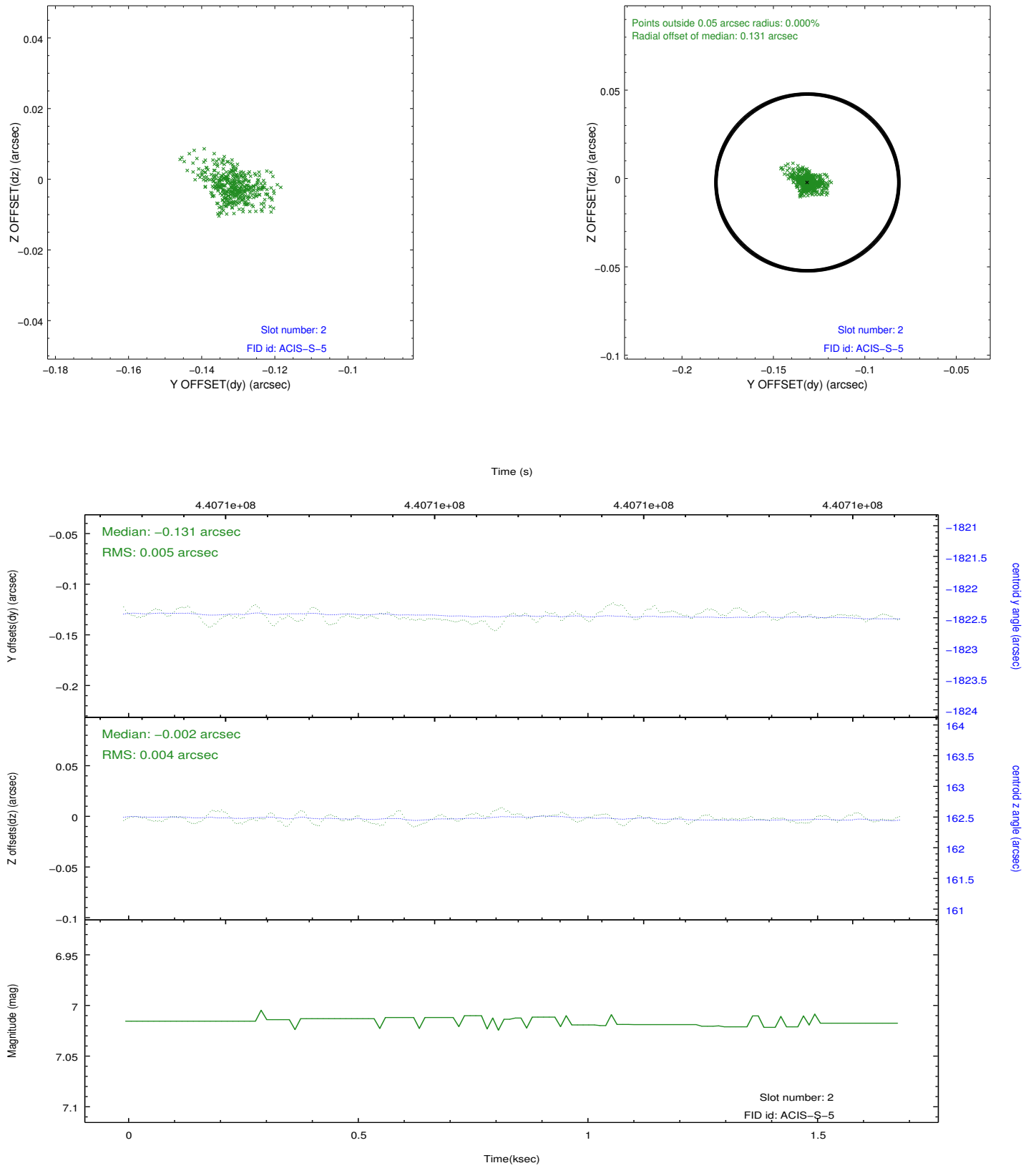
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5618221080303

A.2 Comments