

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13358 - L2 Version 2
Chandra X-Ray Center

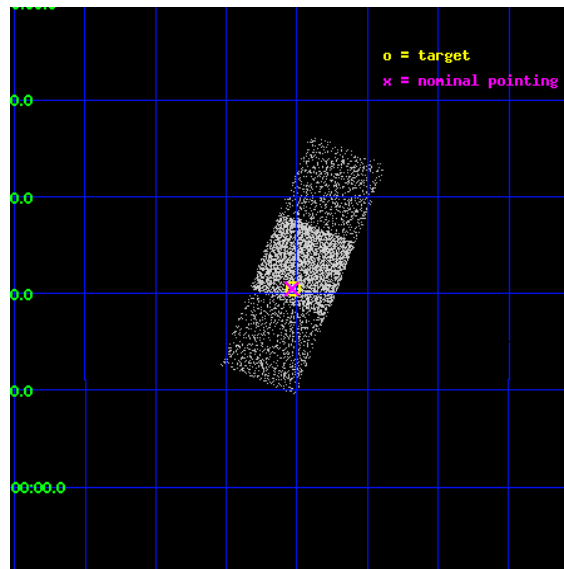
L2 Processing Date : Feb 29 2012

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

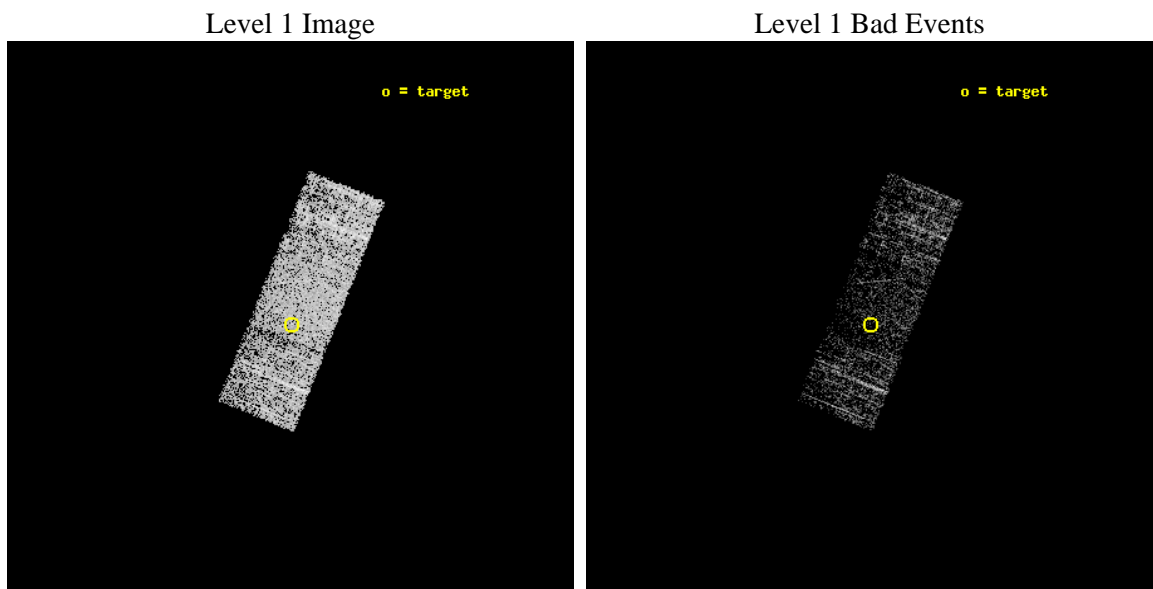
seq_num	702565	Sequence number
obs_id	13358	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J2303-0939	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	345.75625	Observer's specified target RA [deg]
dec_targ	-9.658528	Observer's specified target Dec [deg]
ra_nom	345.75892058563	Nominal RA [deg]
dec_nom	-9.6589523621309	Nominal Dec [deg]
roll_nom	291.76475742652	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	6660	Number of level 2 events



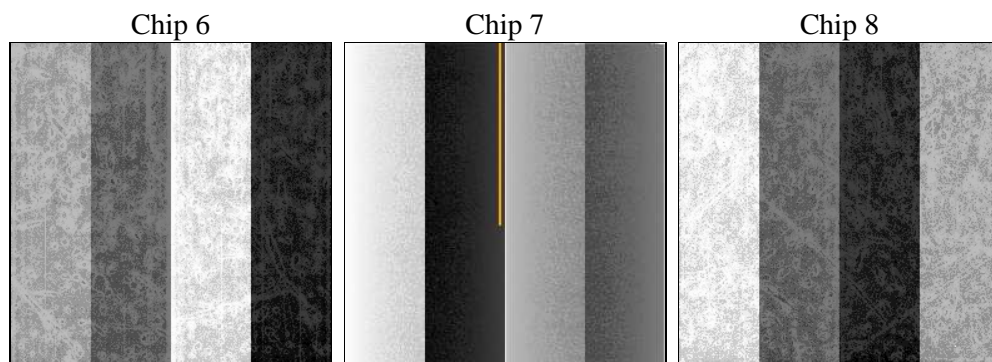
2 OBI

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	1562.4000120163	Sum of GTIs [s]
caldbver	4.4.8	 	ontime6	1562.4000120163	Sum of GTIs [s]
date	2012-02-29T12:07:03	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	30787	Number of level 1 events

2.1.4 Events

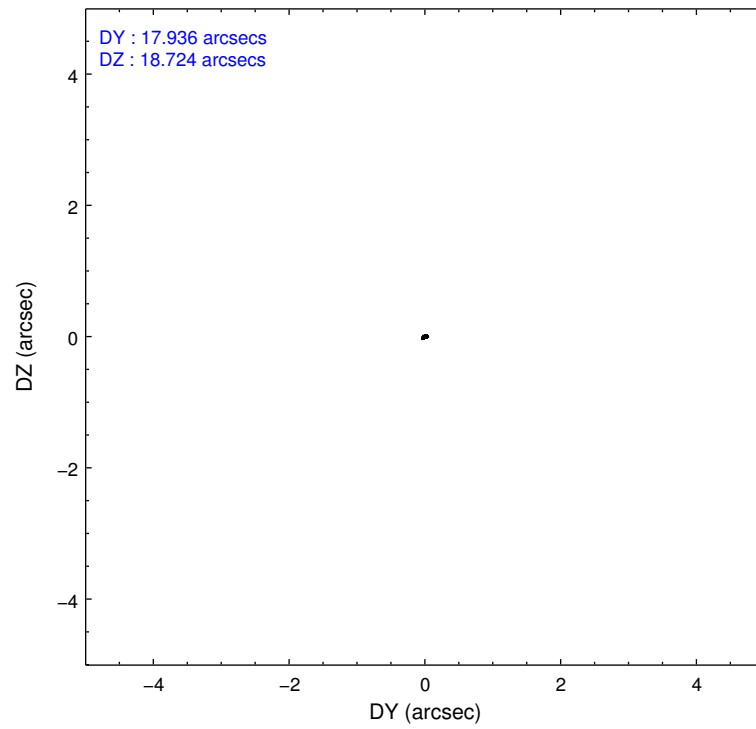
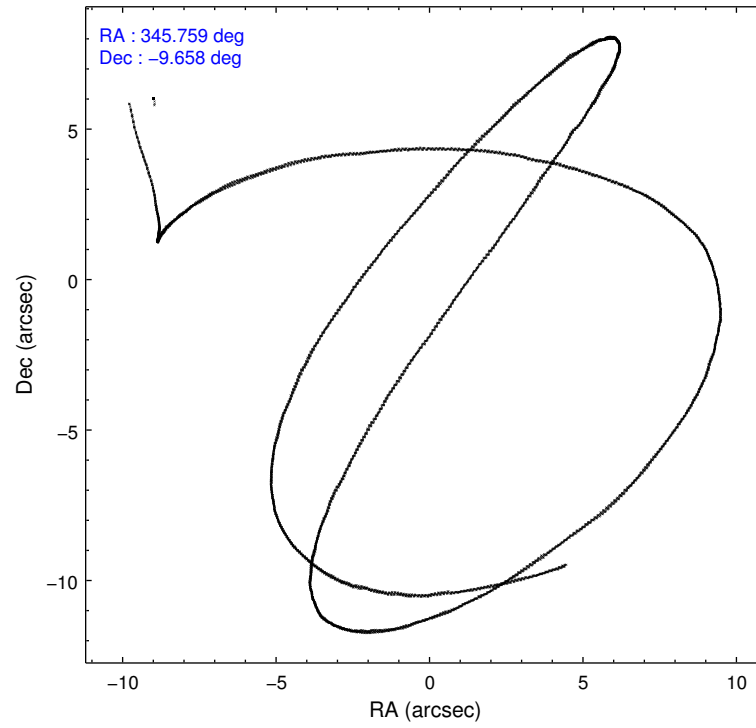
	ccd 6	ccd 7	ccd 8
level 1 events	9024	10137	11626
rejected events	7916	5257	8711
rejected %	87%	51%	74%

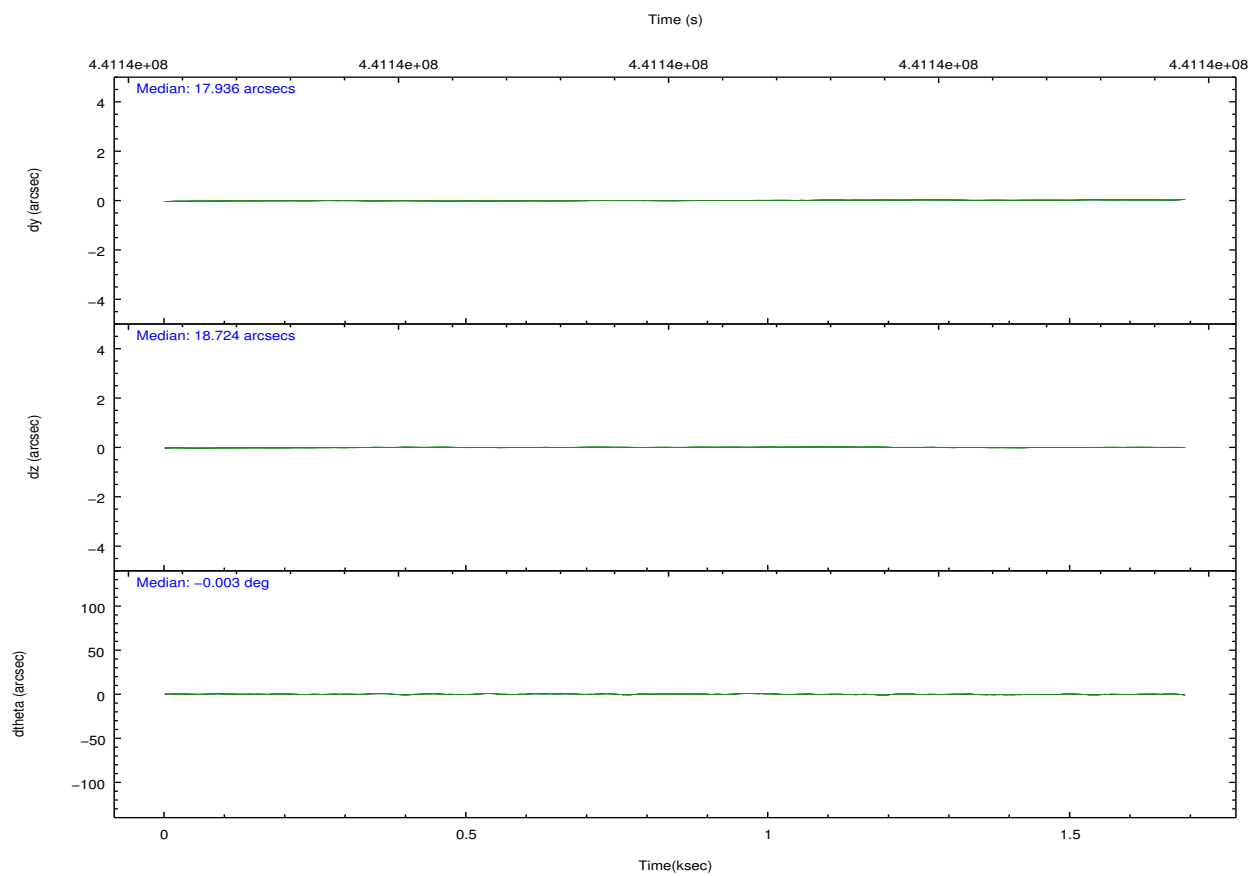
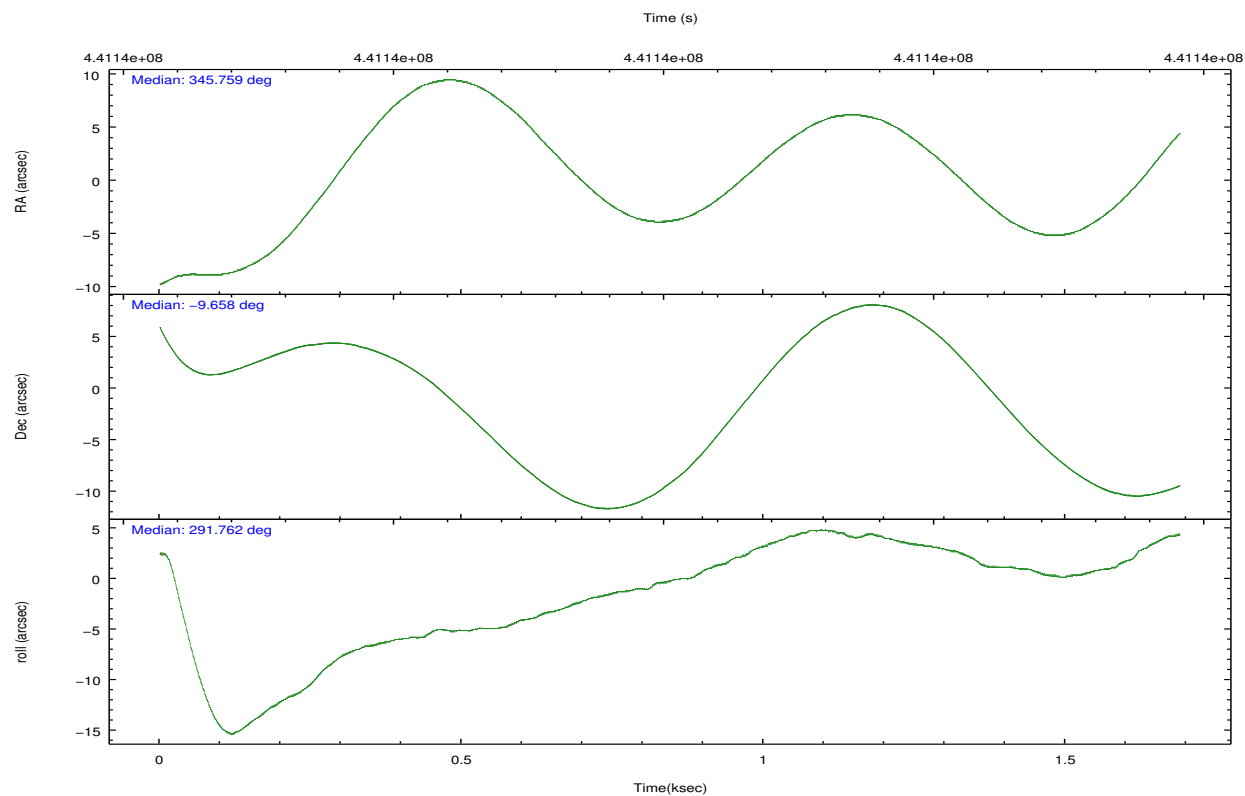
	ccd 6	ccd 7	ccd 8
grade 0 events	416	489	875
	4%	4%	7%
grade 1 events	6	20	9
	0%	0%	0%
grade 2 events	226	1016	701
	2%	10%	6%
grade 3 events	106	429	306
	1%	4%	2%
grade 4 events	123	464	294
	1%	4%	2%
grade 5 events	385	1082	583
	4%	10%	5%
grade 6 events	240	2492	741
	2%	24%	6%
grade 7 events	7522	4145	8117
	83%	40%	69%

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	345.737254	345.7589205856333	Subarray requested	NONE	NONE
[deg] Pointing Dec	-9.642467	-9.65895236213087	Alternating exposures requested	N	N
[deg] Pointing Roll	291.604439	291.7647574265152	[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)	441141854.184000	441140484.57542			
Observation start date	2011-12-24T19:23:08	2011-12-24T19:01:24			
[s] Observation end time (MET)	441143354.184000	441144247.86312			
Observation end date	2011-12-24T19:48:08	2011-12-24T20:04:07			
Read mode	TIMED	TIMED			

2.3 Aspect



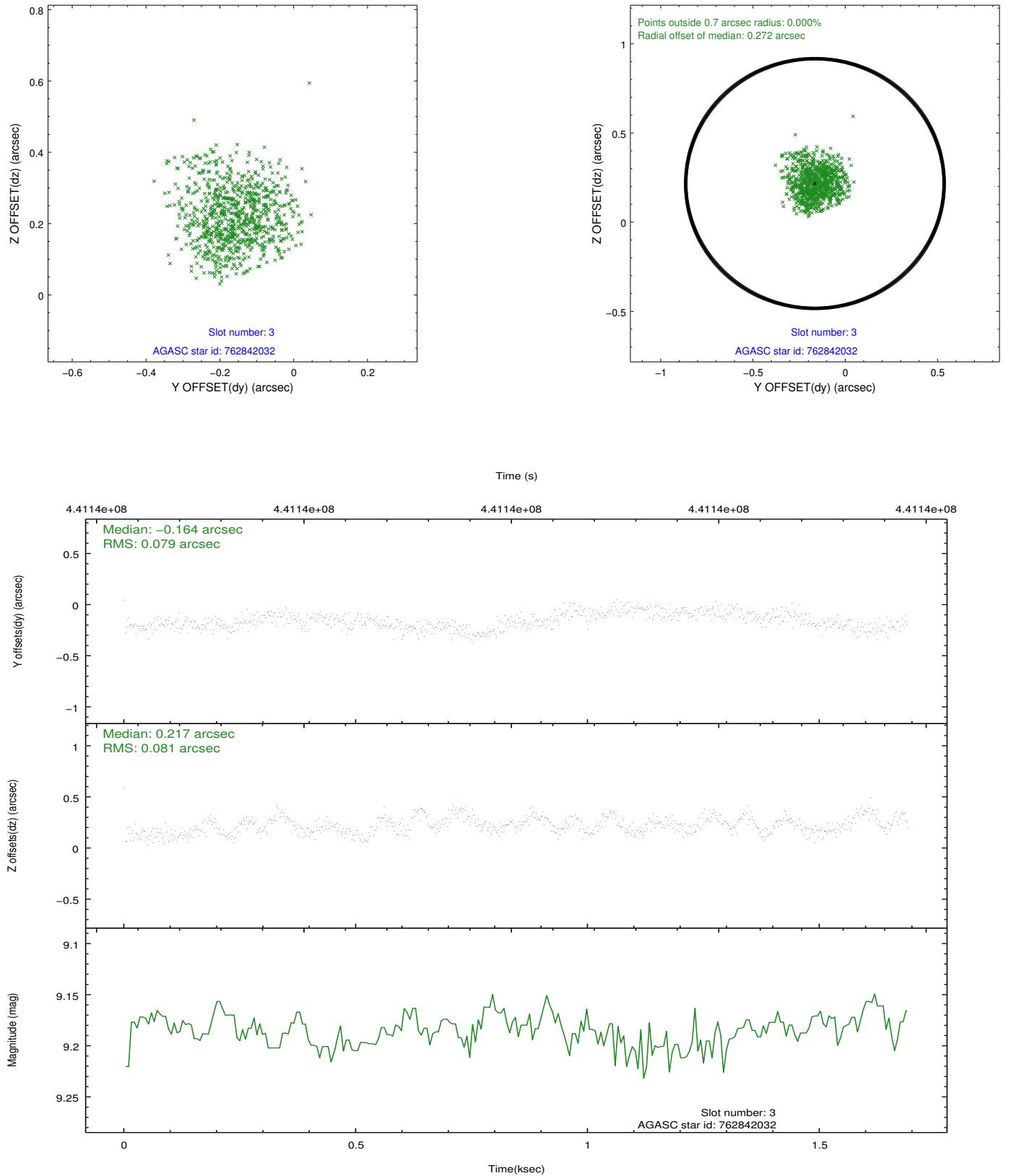


Slot Statistics

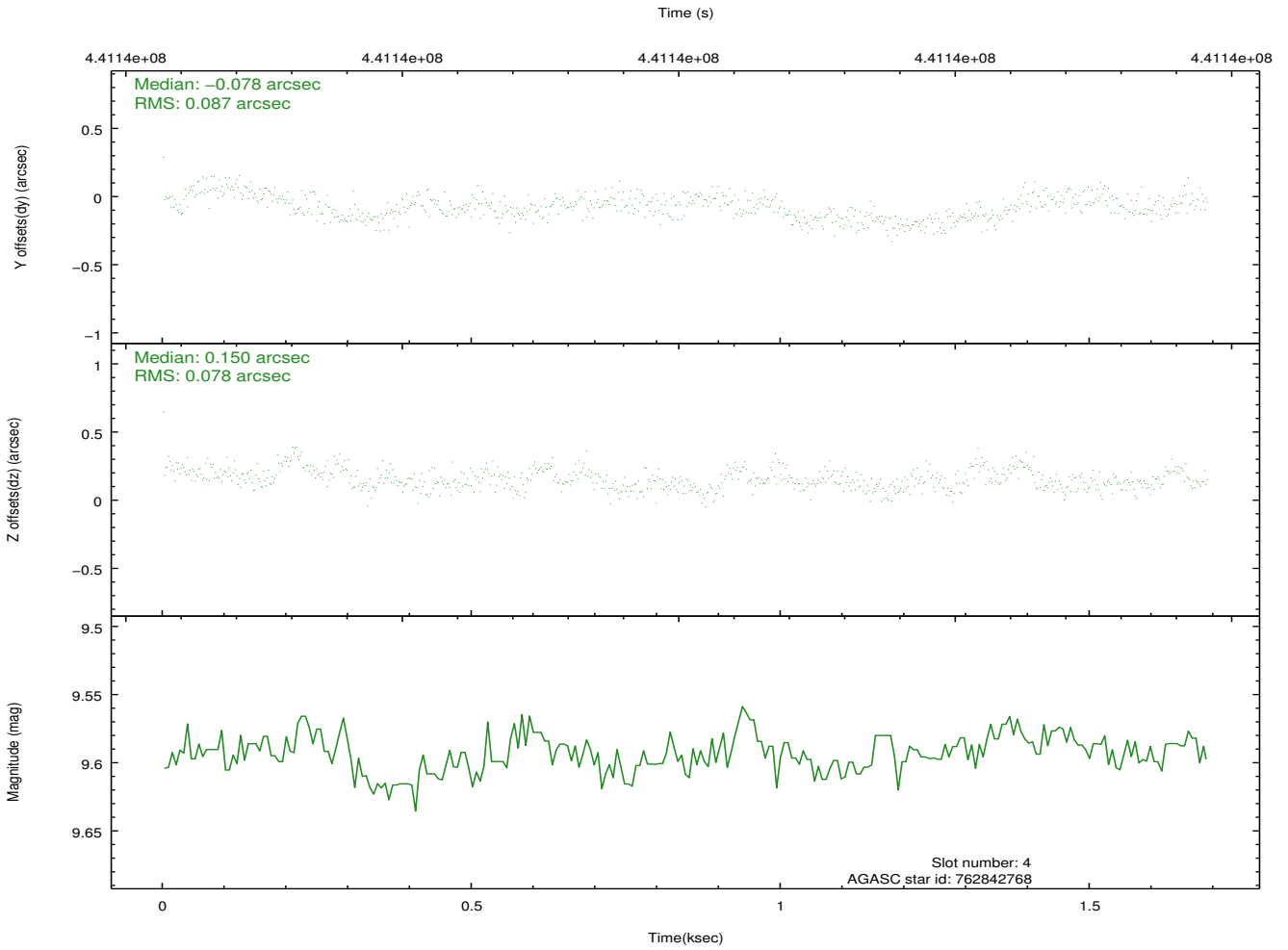
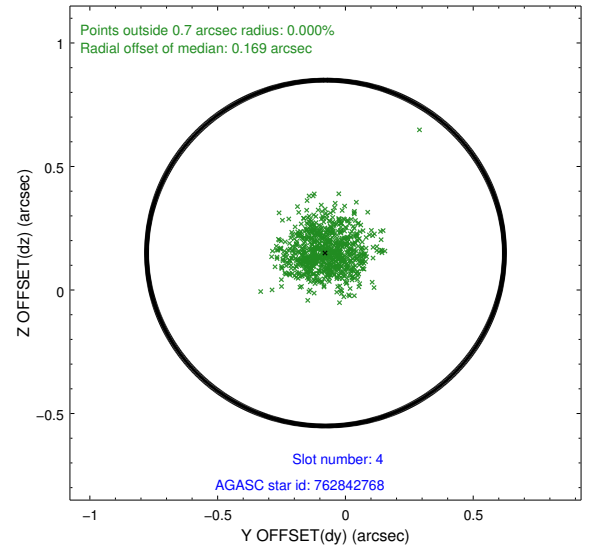
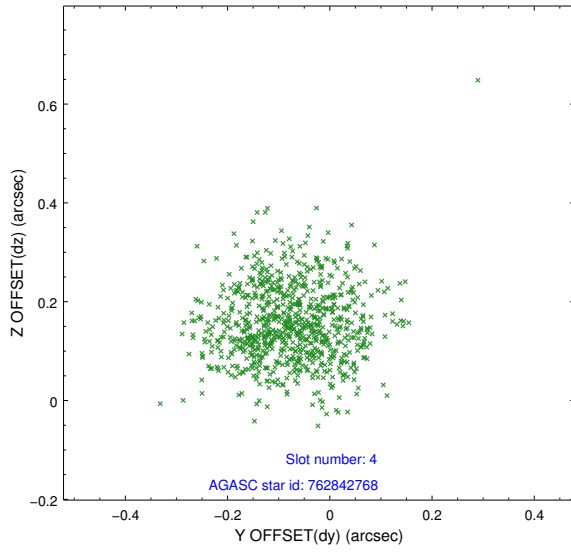
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	413	-0.085	-0.040	0.007	0.012	0.000000	0.000000	-771.11	-1740.17
1	FID	ACIS-S-4	6.98	413	0.217	0.052	0.006	0.013	0.000000	0.000000	2140.71	164.29
2	FID	ACIS-S-5	7.02	413	-0.164	-0.003	0.006	0.012	0.000000	0.000000	-1819.01	162.42
3	GUIDE	762842032	9.18	823	-0.164	0.217	0.123	0.187	346.257812	-9.583289	484.59	1797.35
4	GUIDE	762842768	9.59	824	-0.078	0.150	0.125	0.197	345.477979	-9.247094	-1660.50	-329.23
5	GUIDE	762846416	7.80	825	-0.057	-0.195	0.085	0.132	345.282746	-9.553914	-889.41	-1383.42
6	GUIDE	763237744	9.59	822	0.182	-0.086	0.151	0.244	345.647510	-10.241842	1889.57	-1089.31
7	GUIDE	763237048	9.50	822	0.094	-0.092	0.119	0.202	346.103047	-10.217944	2408.51	442.26

2.4 Star Slots

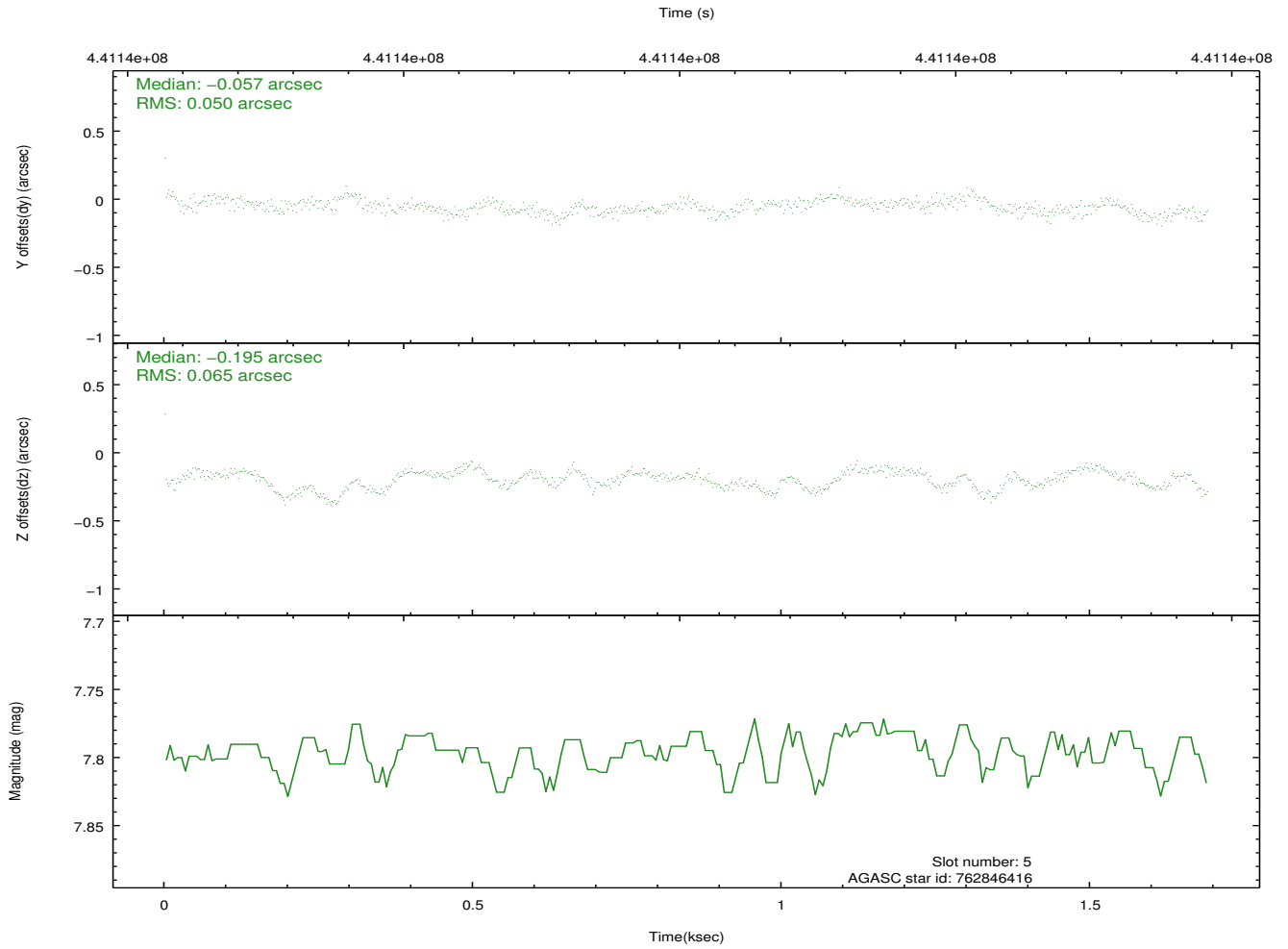
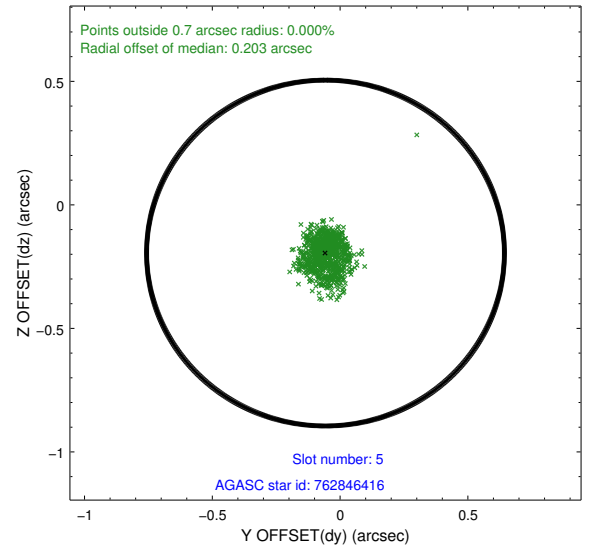
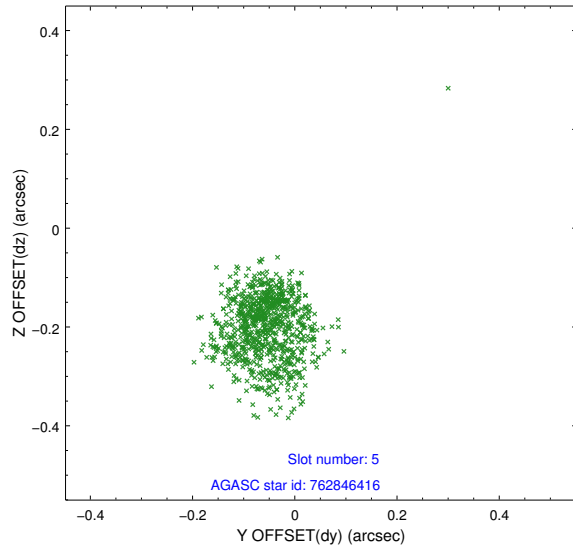
2.4.1 Slot 3



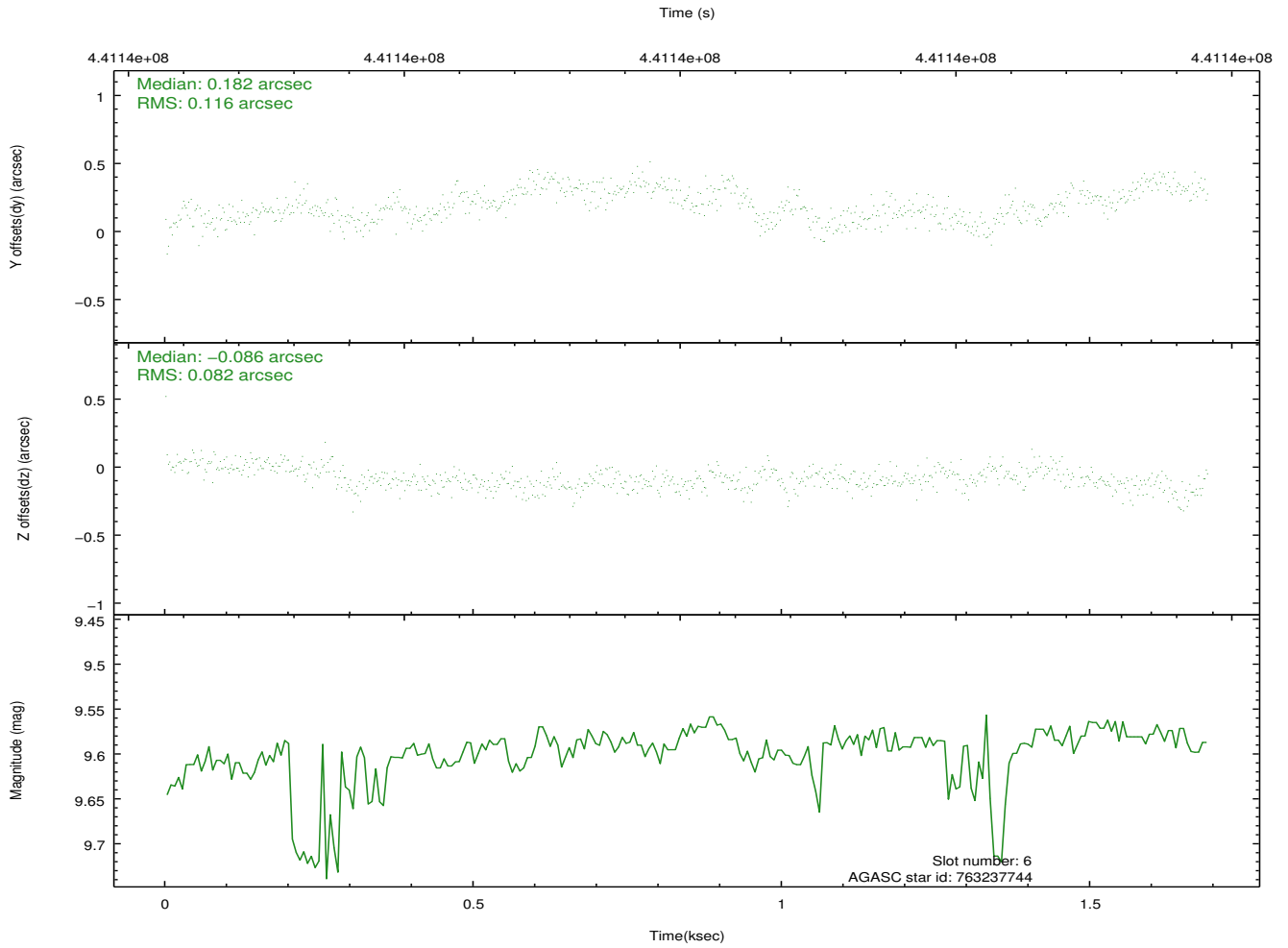
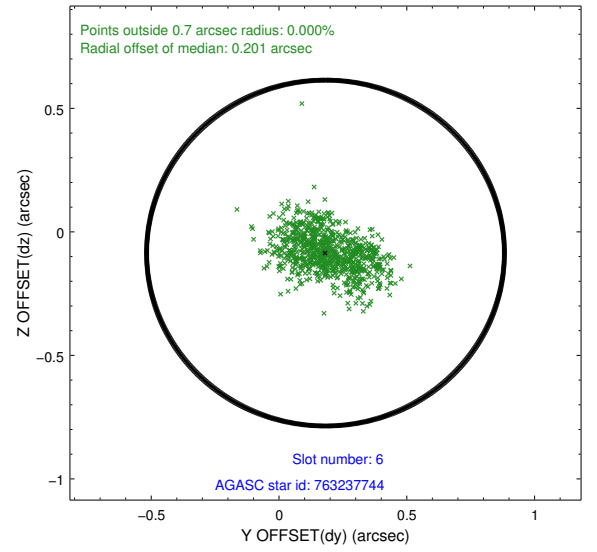
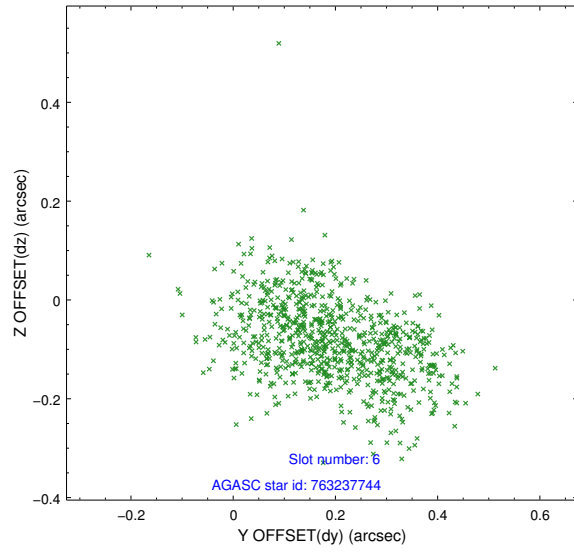
2.4.2 Slot 4



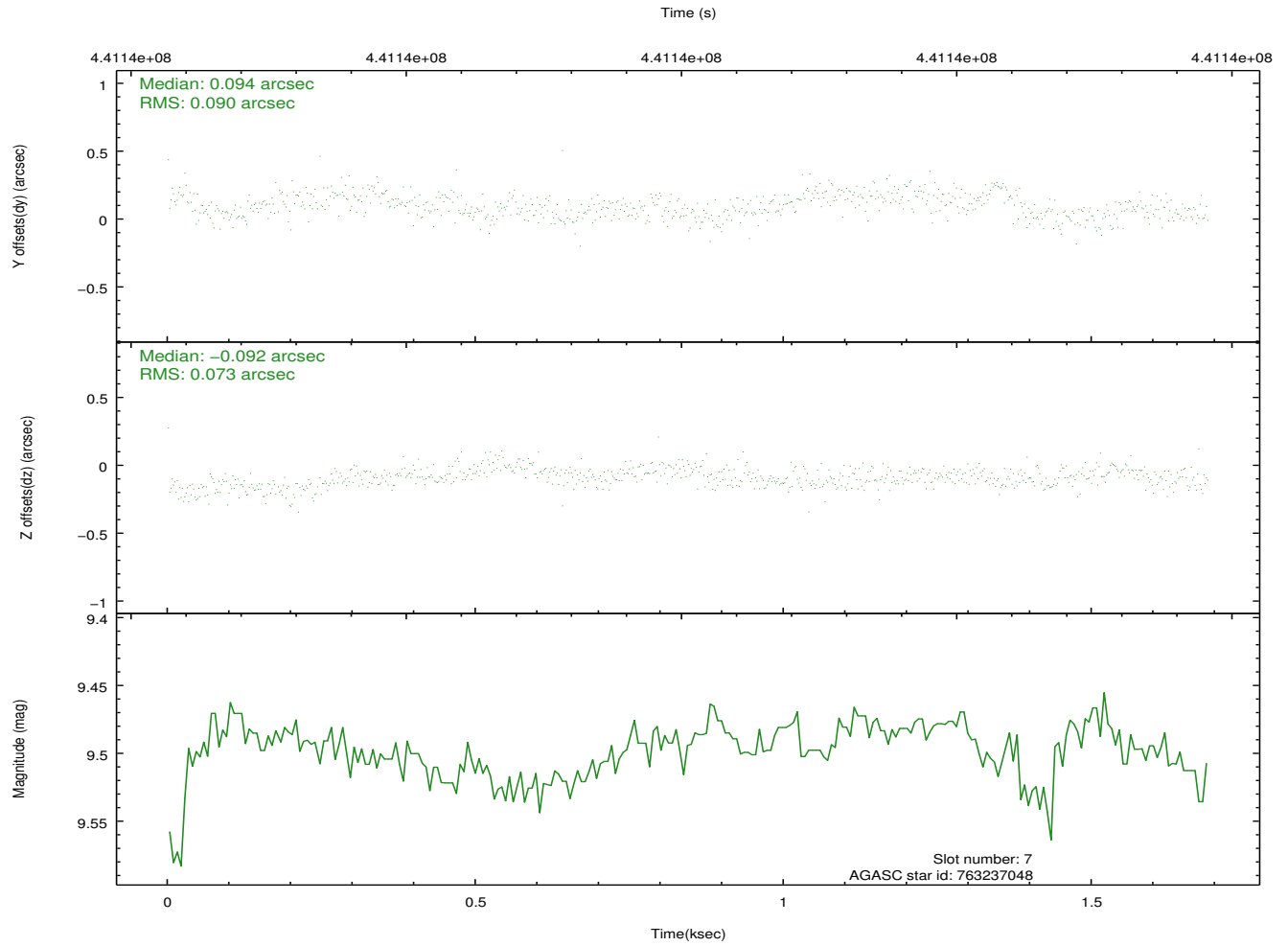
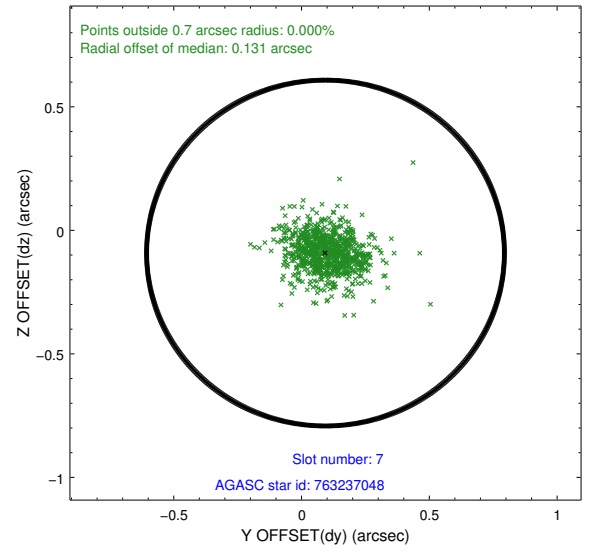
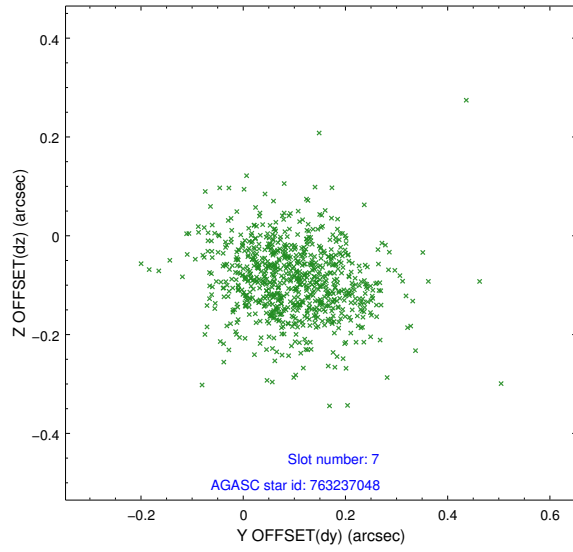
2.4.3 Slot 5



2.4.4 Slot 6

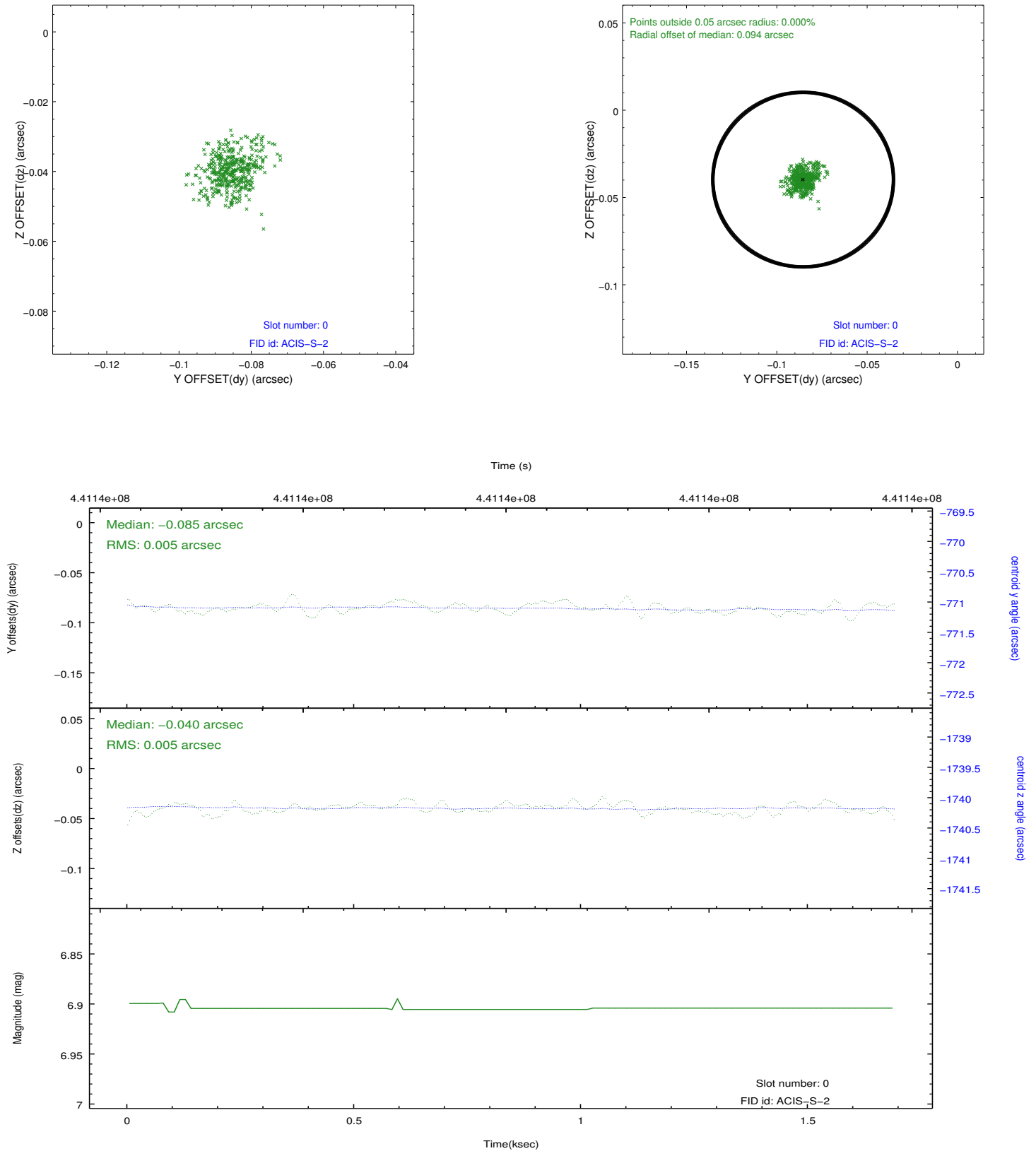


2.4.5 Slot 7

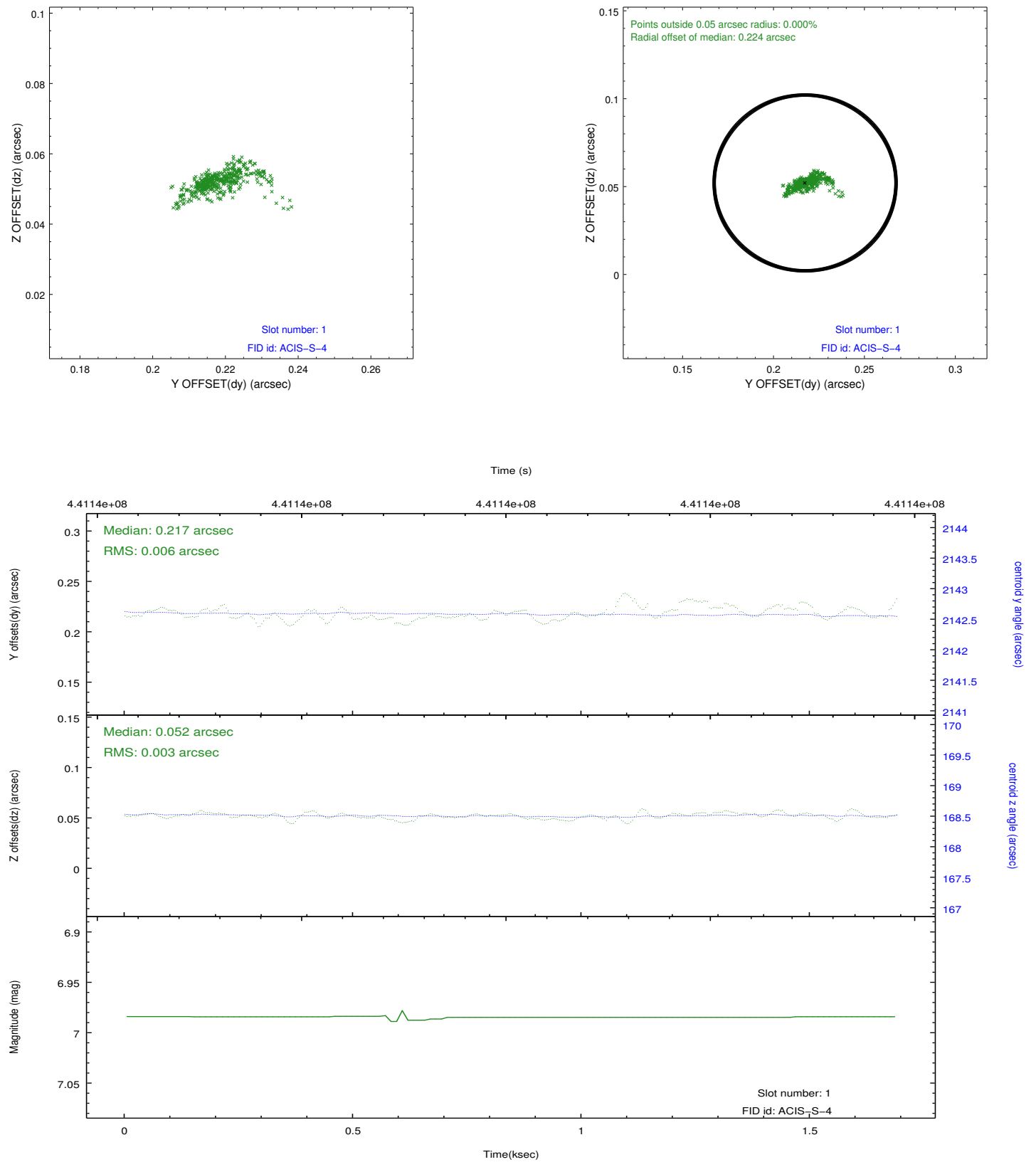


2.5 FID Slots

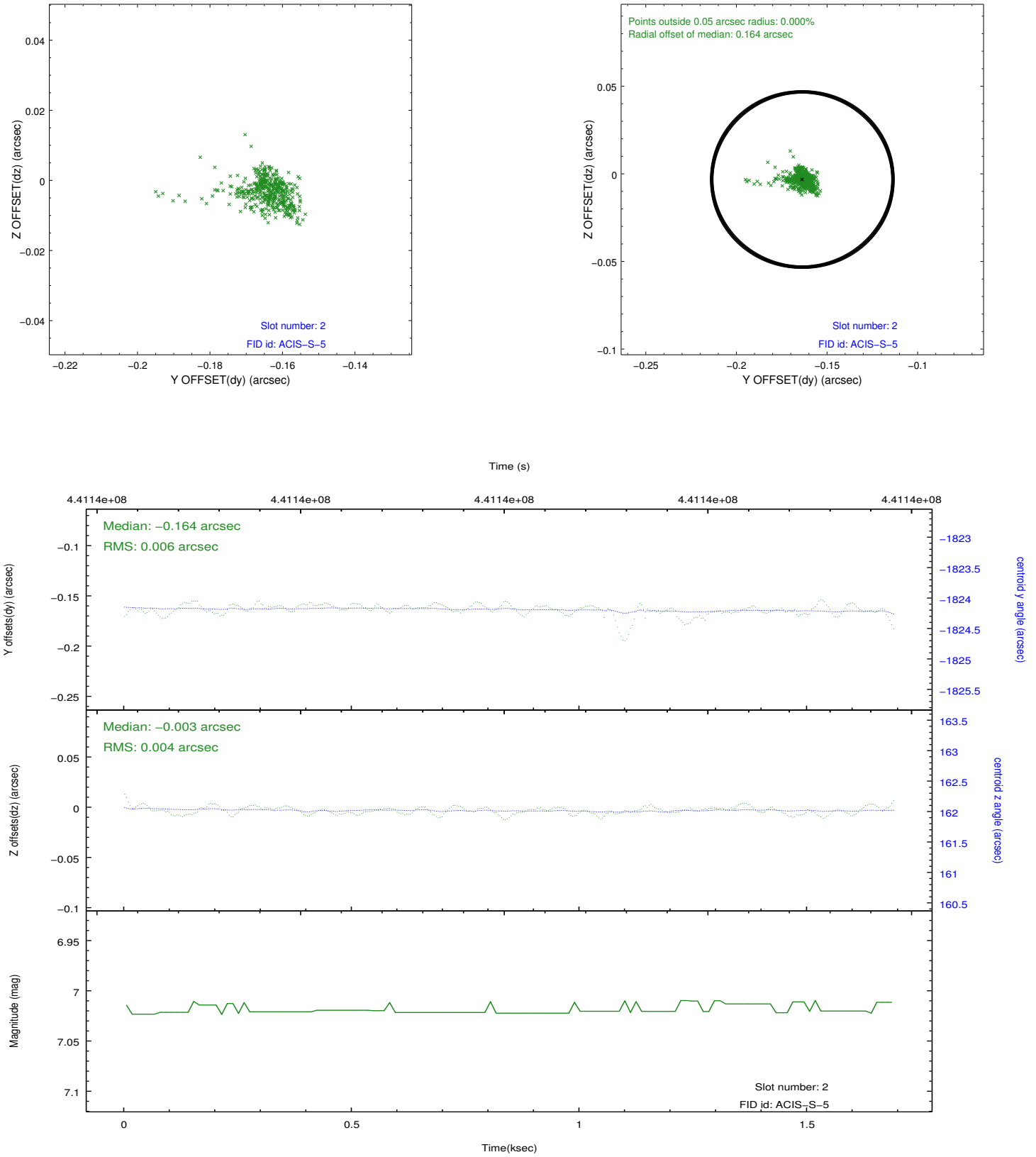
2.5.1 Slot 0



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

A.2 Comments