

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11852 - L2 Version 2
Chandra X-Ray Center

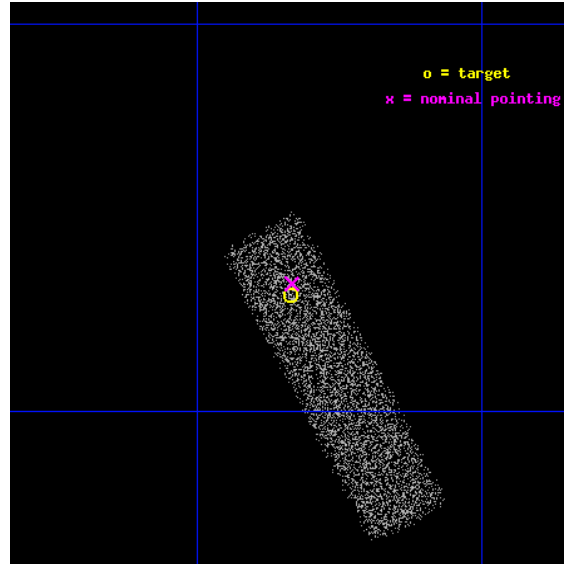
L2 Processing Date : Jun 19 2012

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1 Front

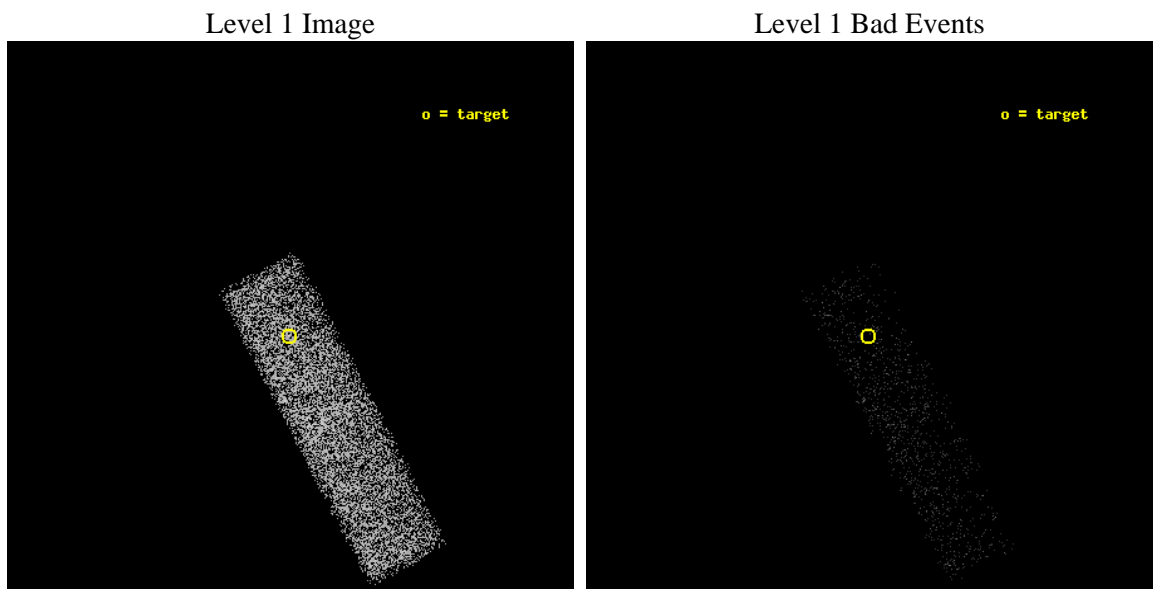
seq_num	702299	Sequence number
obs_id	11852	Observation id
title	A Survey of X-ray Variability in Bright Broad Absorption Line Quasars Over Multi-Year Timescales	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	PG 1001+054	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.08375	Observer's specified target RA [deg]
dec_targ	5.216667	Observer's specified target Dec [deg]
ra_nom	151.08340230281	Nominal RA [deg]
dec_nom	5.2214460527384	Nominal Dec [deg]
roll_nom	62.36299786415	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5188.0000773668	Sum of GTIs [s]
livetime	4934.8426494501	Livetime [s]
ontime7	5188.0000773668	Sum of GTIs [s]
l2events	6527	Number of level 2 events



2 OBI

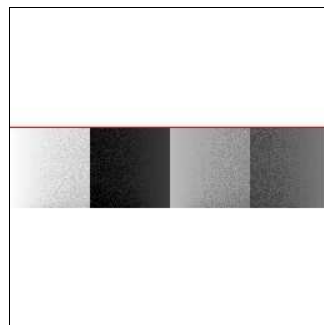
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5188.0000773668	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	5188.0000773668	Sum of GTIs [s]
date	2012-06-19T08:40:40	Date and time of file creation	l1events	13948	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

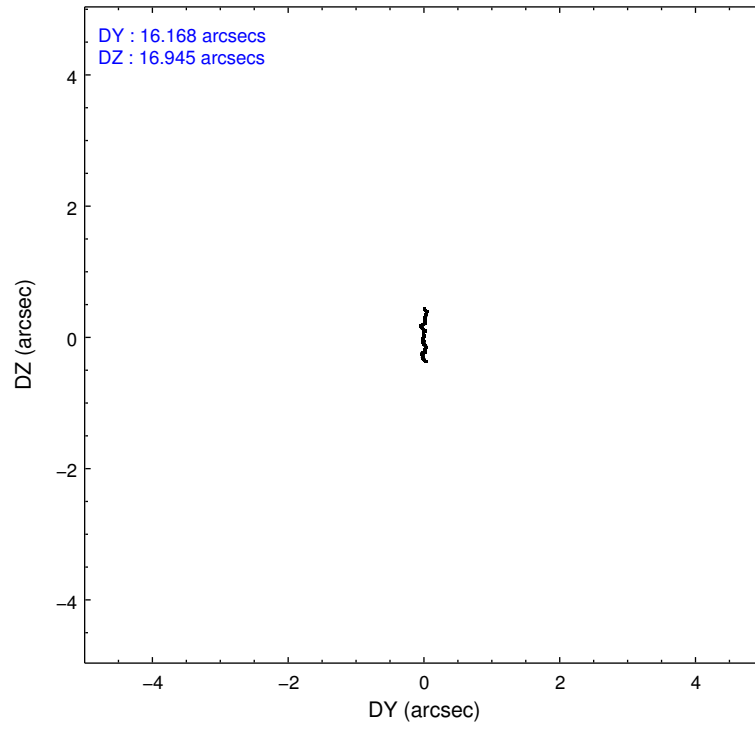
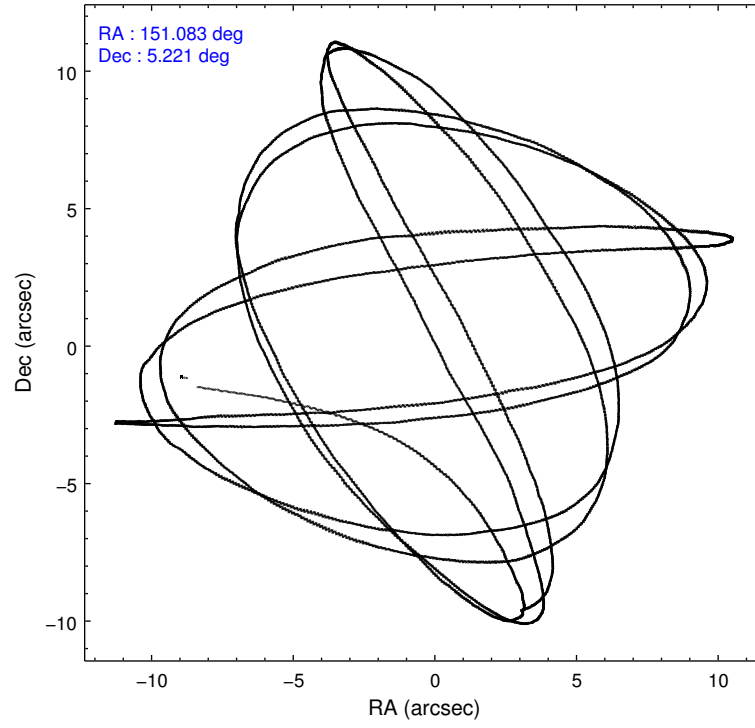
	ccd 7
level 1 events	13948
rejected events	7181
rejected %	51%

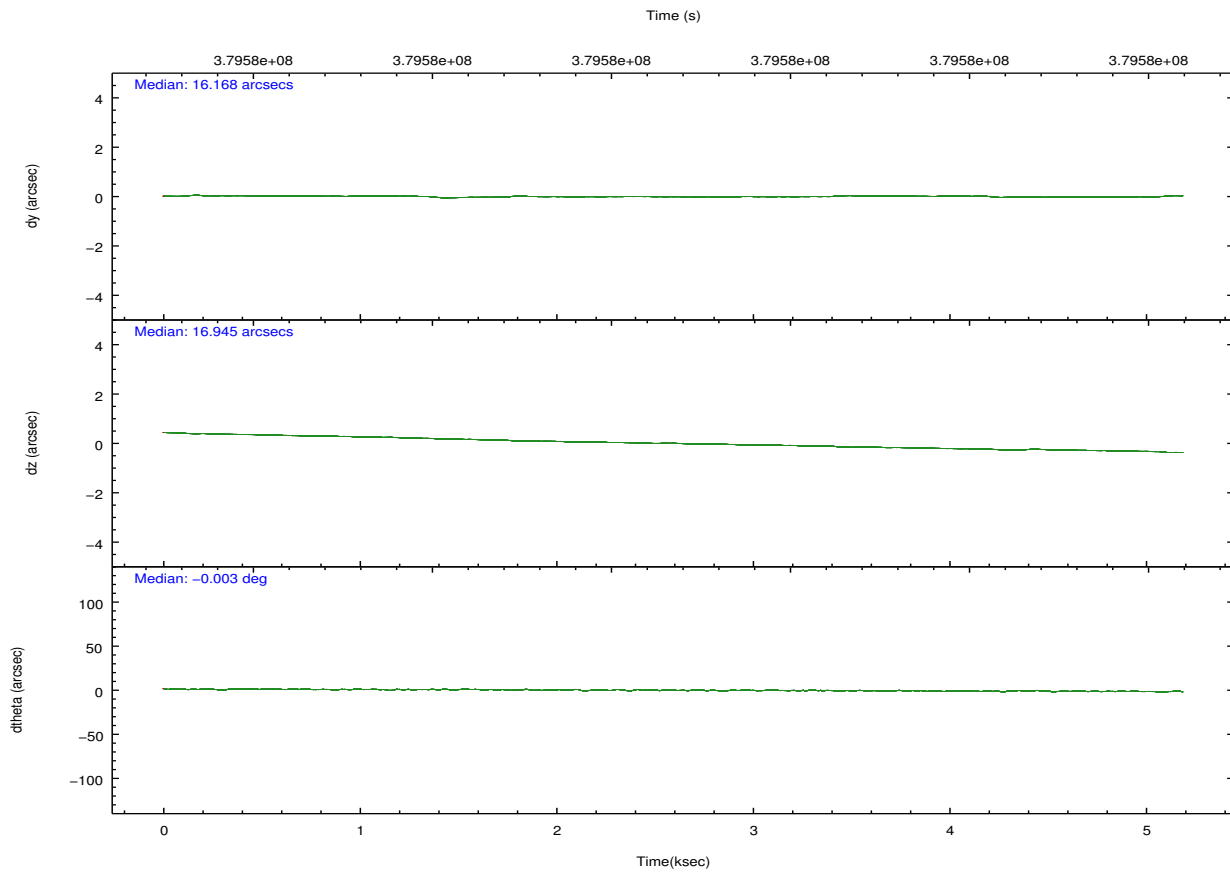
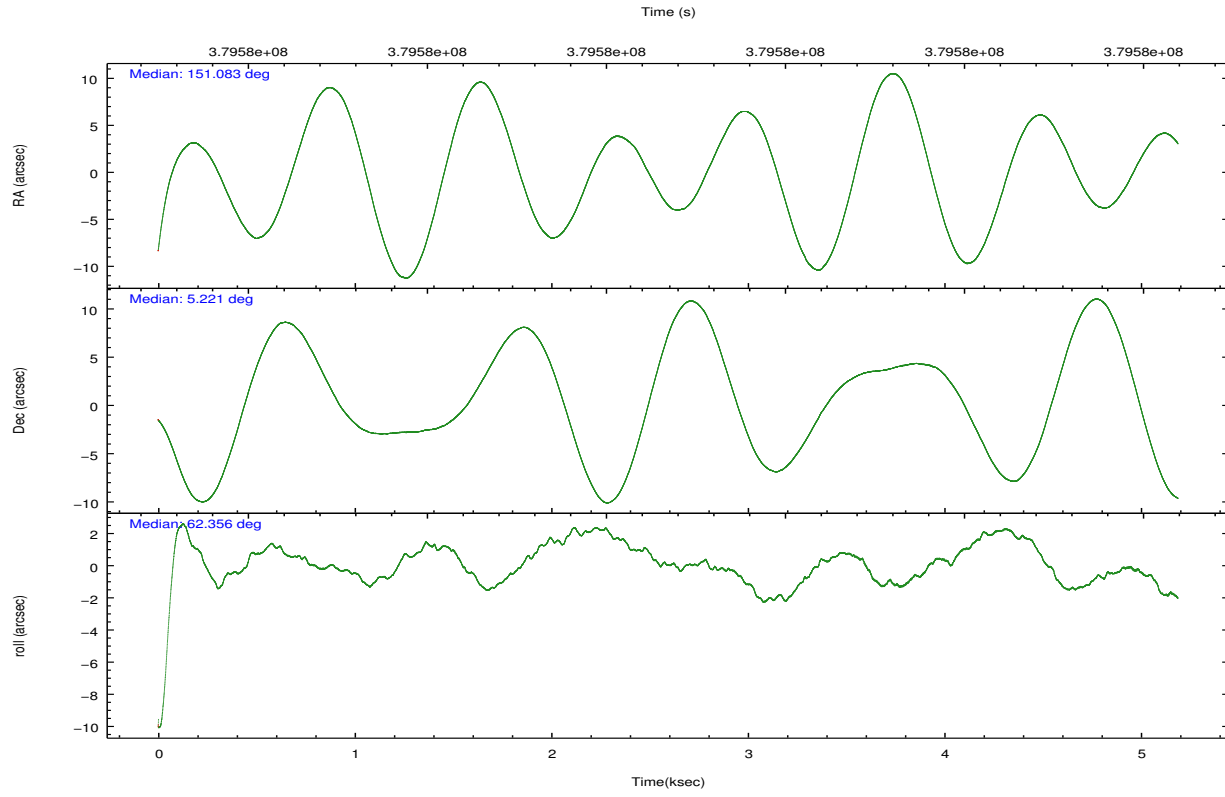
	ccd 7
grade 0 events	716
	5%
grade 1 events	21
	0%
grade 2 events	1425
	10%
grade 3 events	830
	5%
grade 4 events	802
	5%
grade 5 events	1456
	10%
grade 6 events	3243
	23%
grade 7 events	5455
	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	151.084913	151.0834023028133	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	5.194207	5.22144605273839	Subarray start row	385	385
[deg] Pointing Roll	62.206258	62.36299786415039	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	379578939.184000	379578198.88155			
Observation start date	2010-01-11T06:34:33	2010-01-11T06:23:18			
[s] Observation end time (MET)	379583939.184000	379584555.93187			
Observation end date	2010-01-11T07:57:53	2010-01-11T08:09:15			
Read mode	TIMED	TIMED			

2.3 Aspect



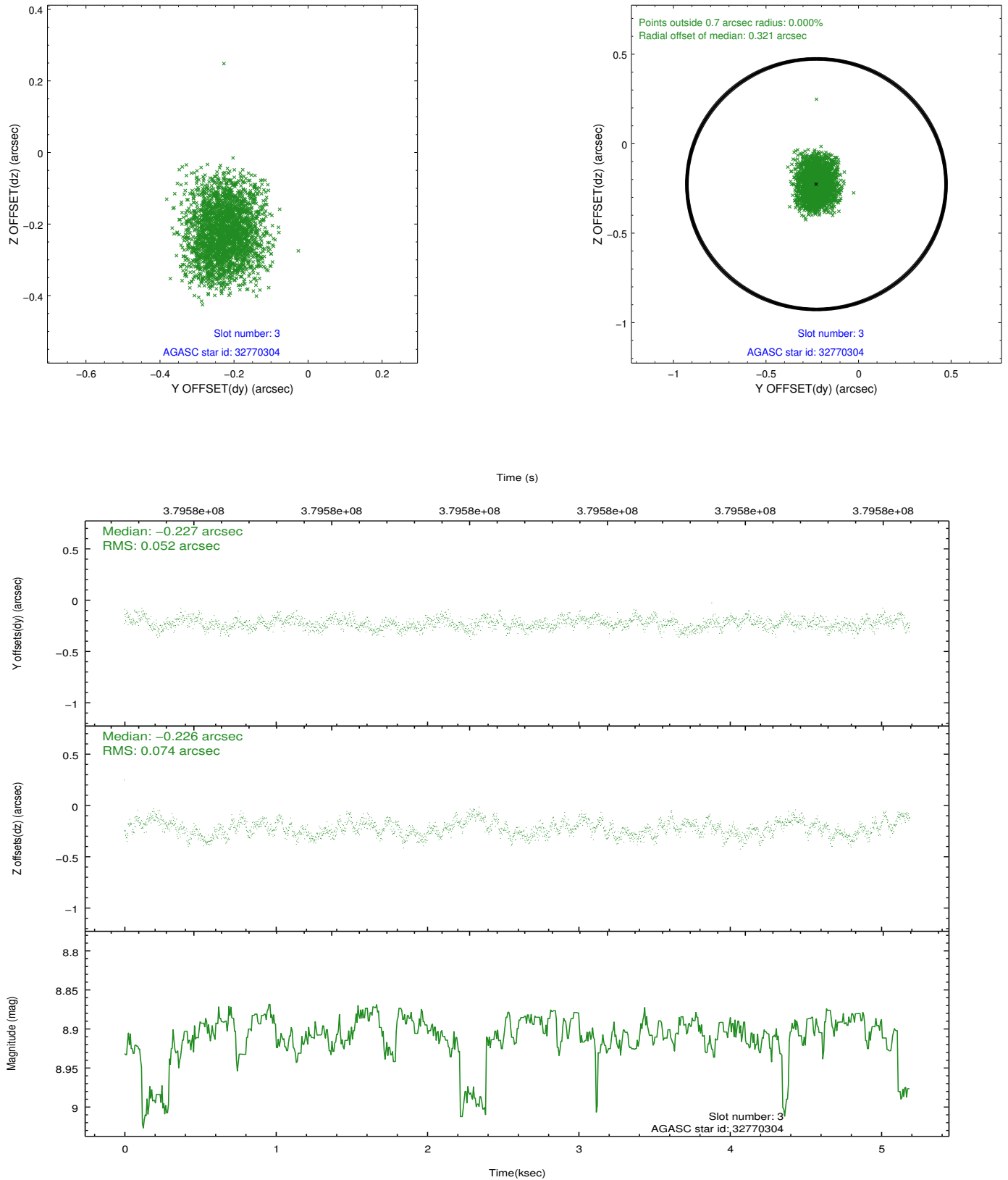


Slot Statistics

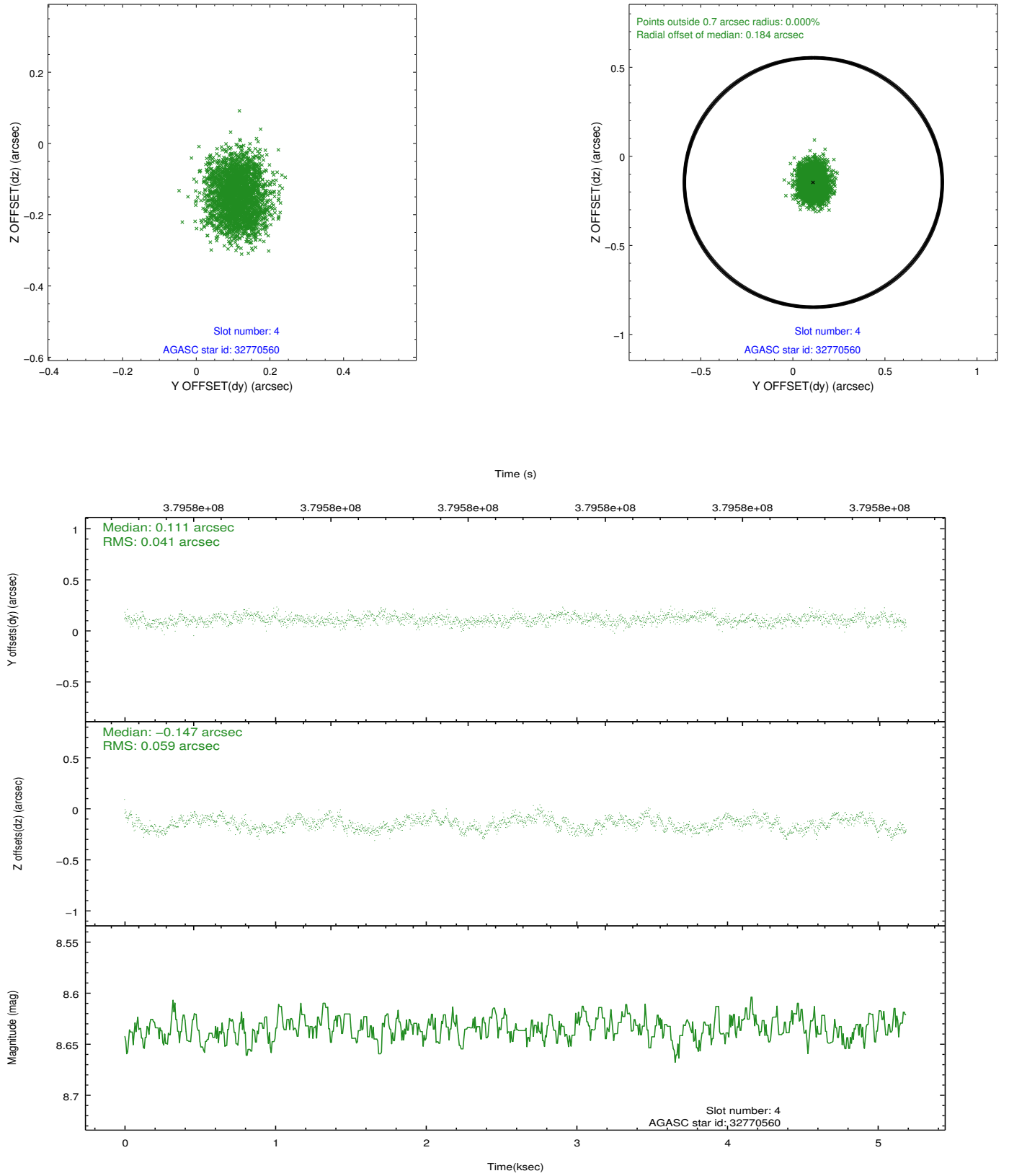
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	1266	-0.068	-0.011	0.009	0.014	0.000000	0.000000	-769.27	-1738.34
1	FID	ACIS-S-4	6.95	1266	0.138	0.036	0.006	0.011	0.000000	0.000000	2143.71	168.94
2	FID	ACIS-S-5	6.99	1266	-0.102	-0.016	0.009	0.014	0.000000	0.000000	-1820.62	163.94
3	GUIDE	32770304	8.91	2520	-0.227	-0.226	0.098	0.153	150.765578	5.678870	1010.28	1825.75
4	GUIDE	32770560	8.63	2528	0.111	-0.147	0.079	0.121	150.747931	5.097527	-870.79	907.20
5	GUIDE	32776592	7.46	2532	0.102	0.214	0.080	0.121	151.198054	5.004024	-416.21	-677.54
6	GUIDE	32777976	9.15	2531	0.149	0.006	0.079	0.129	150.828298	6.056581	2318.36	2260.65
7	GUIDE	32778528	8.84	2527	-0.136	0.149	0.085	0.138	151.652532	5.523249	1998.57	-1245.73

2.4 Star Slots

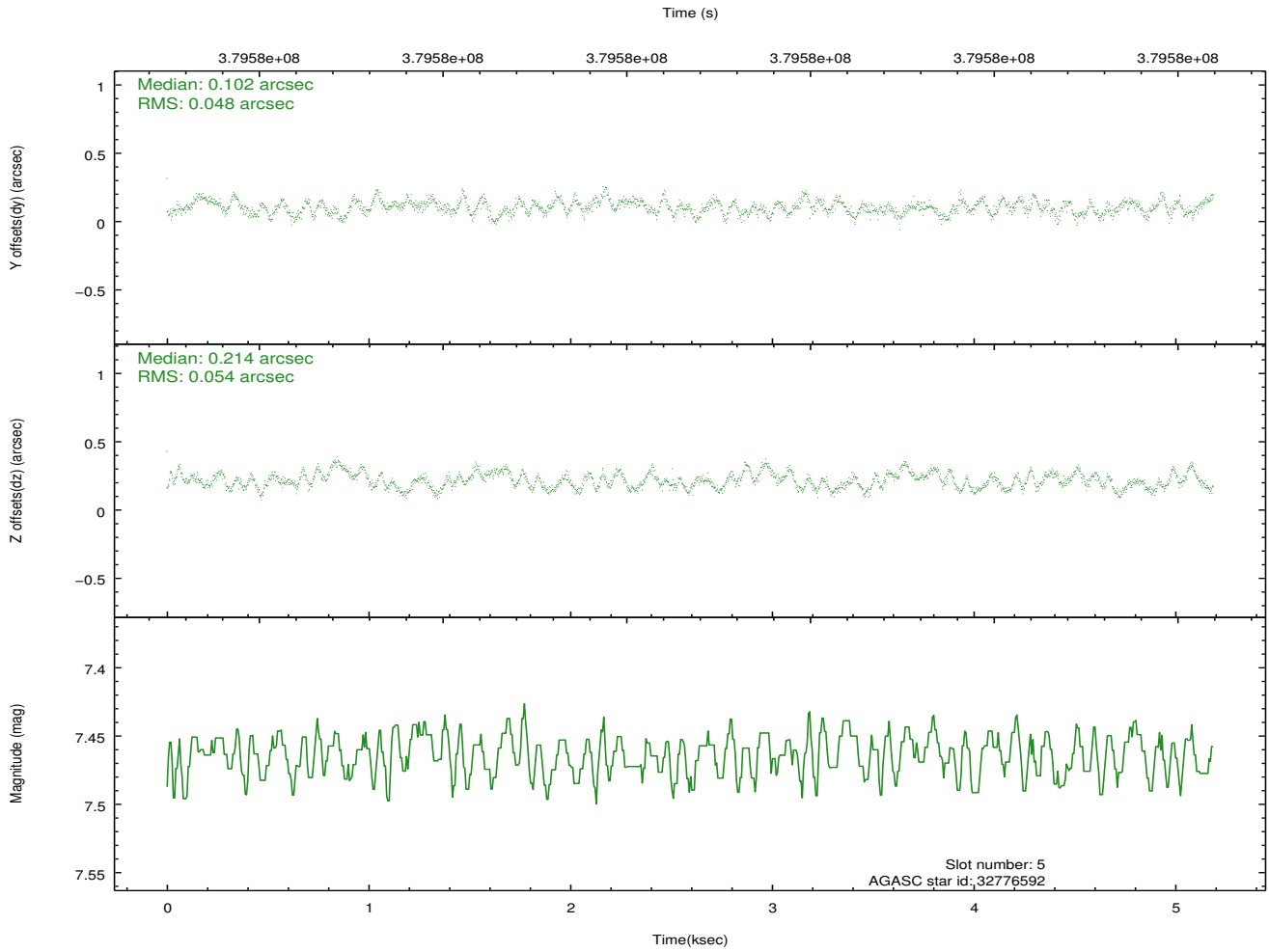
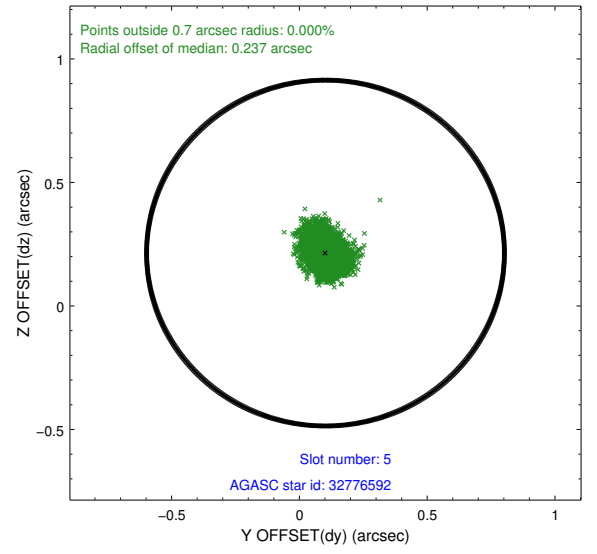
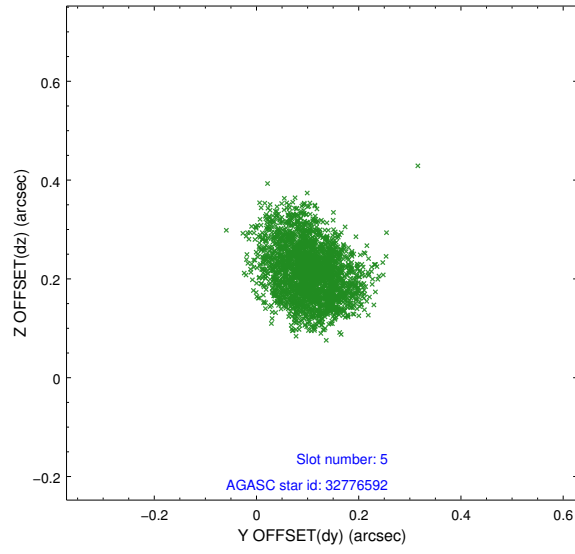
2.4.1 Slot 3



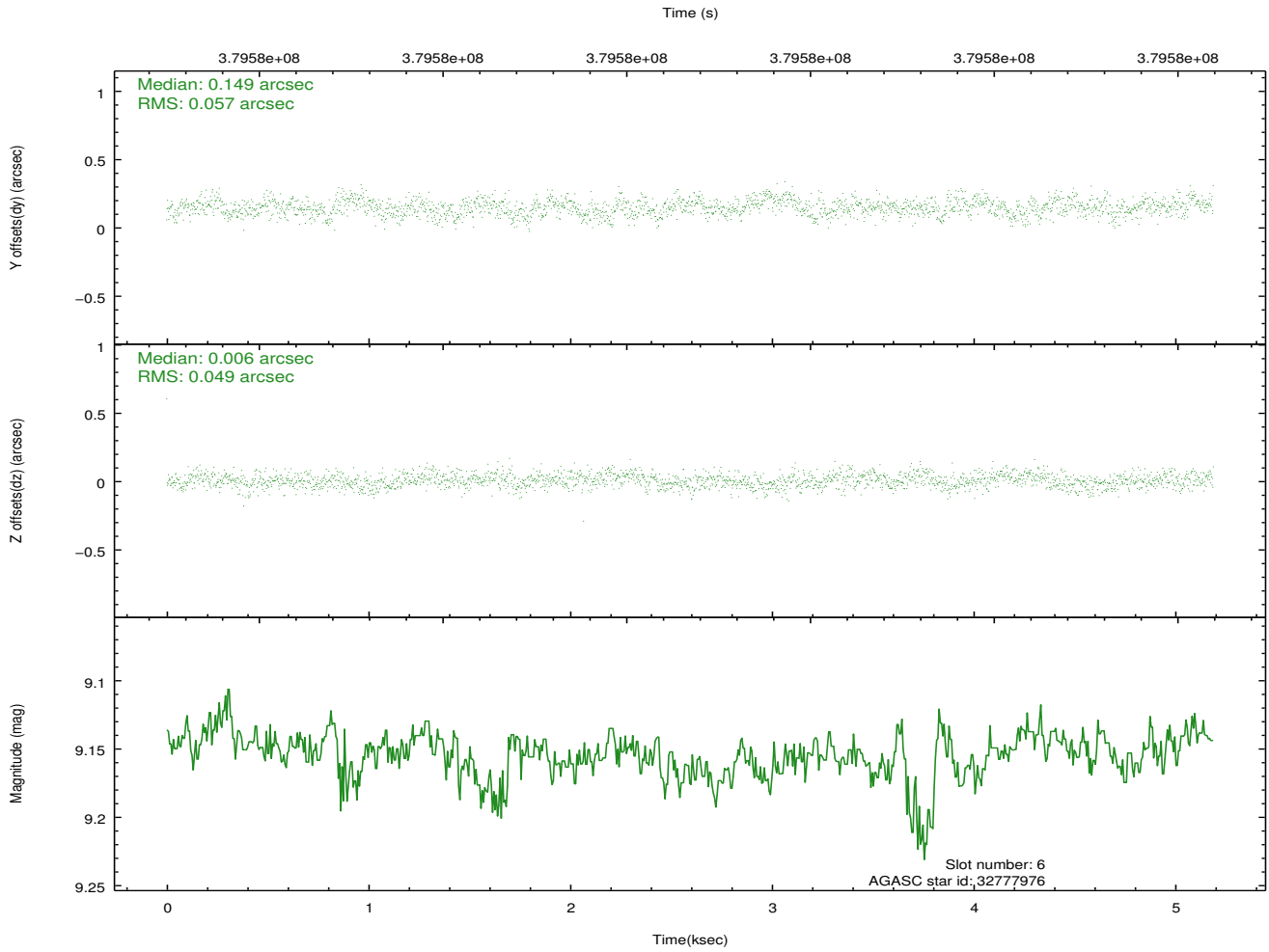
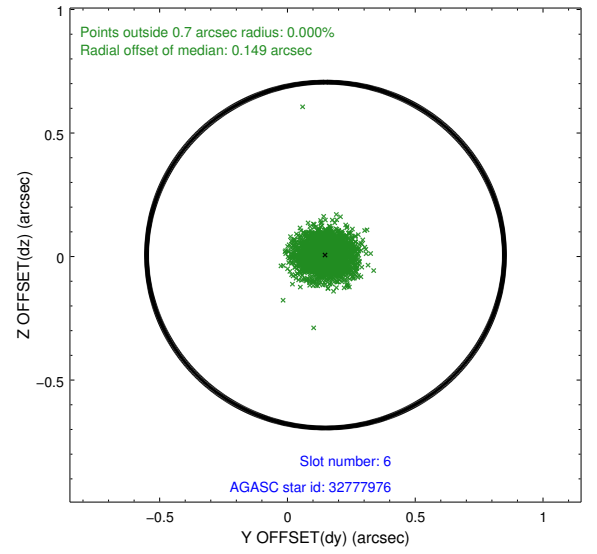
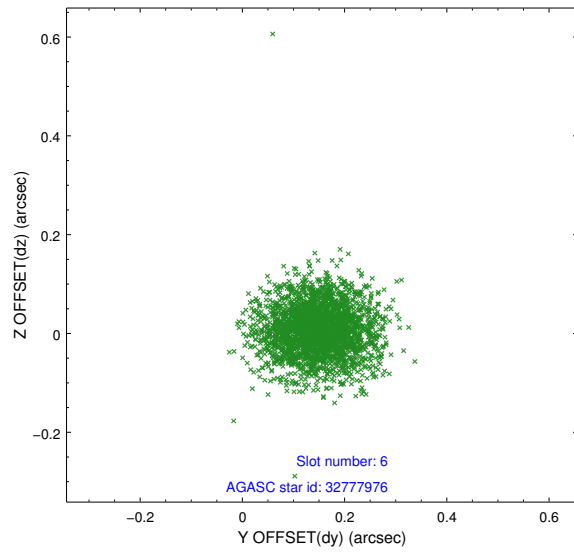
2.4.2 Slot 4



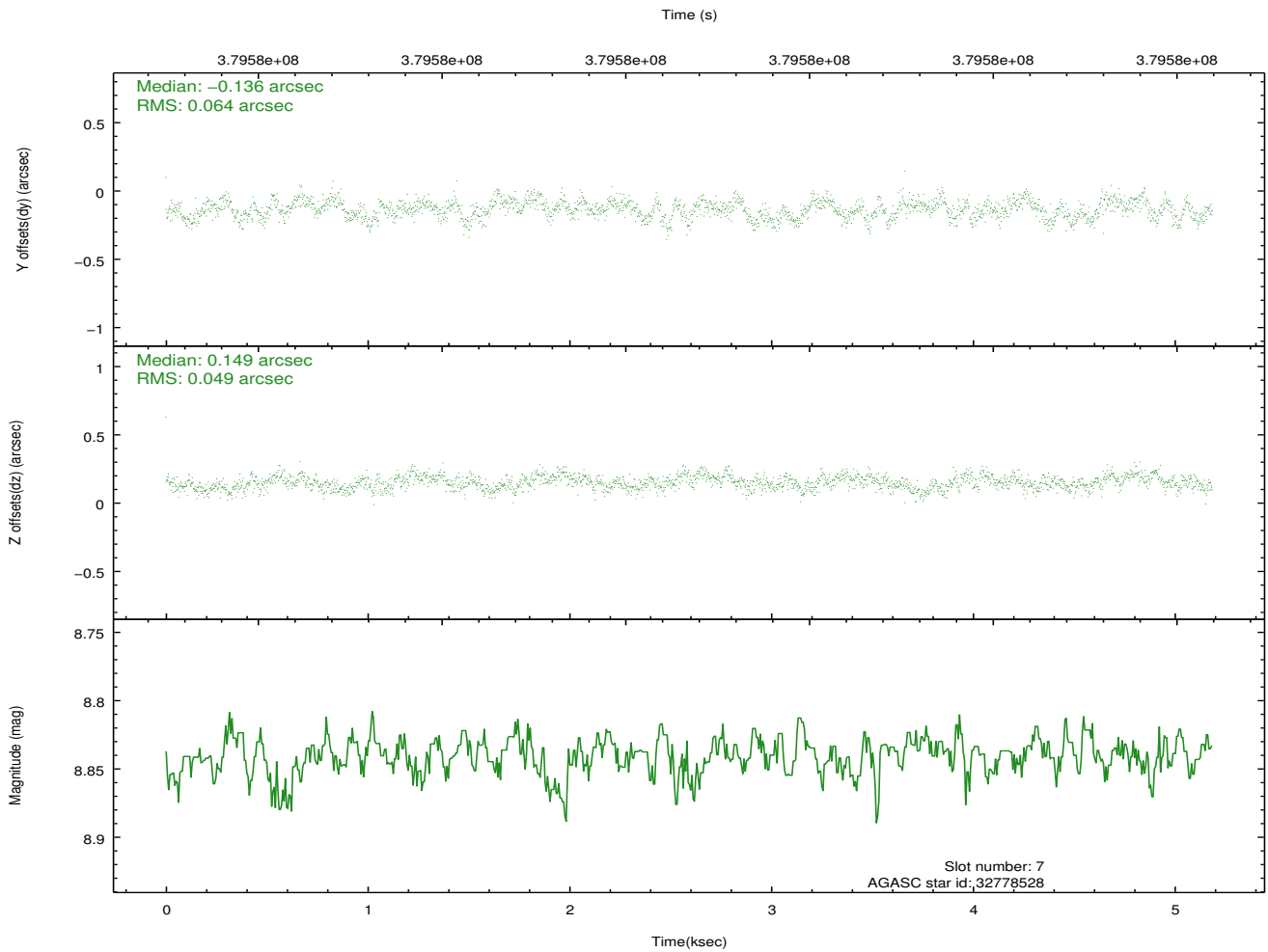
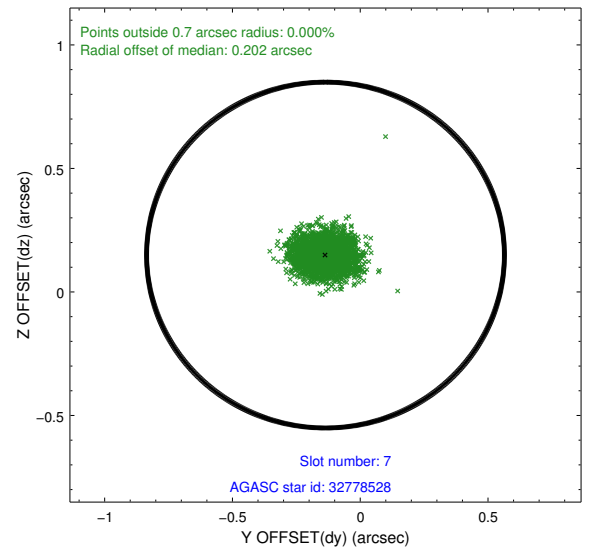
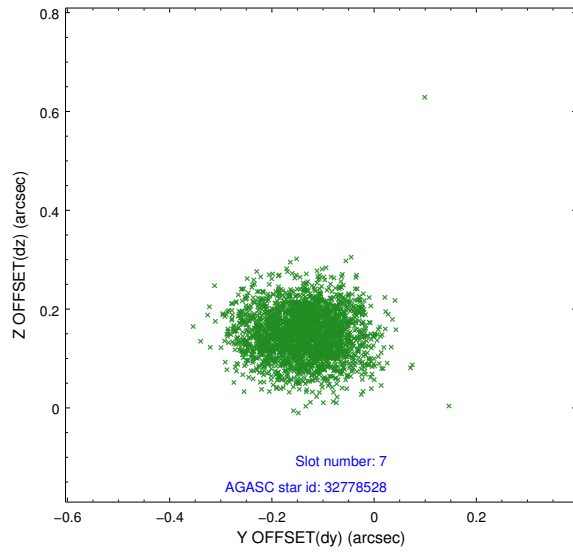
2.4.3 Slot 5



2.4.4 Slot 6

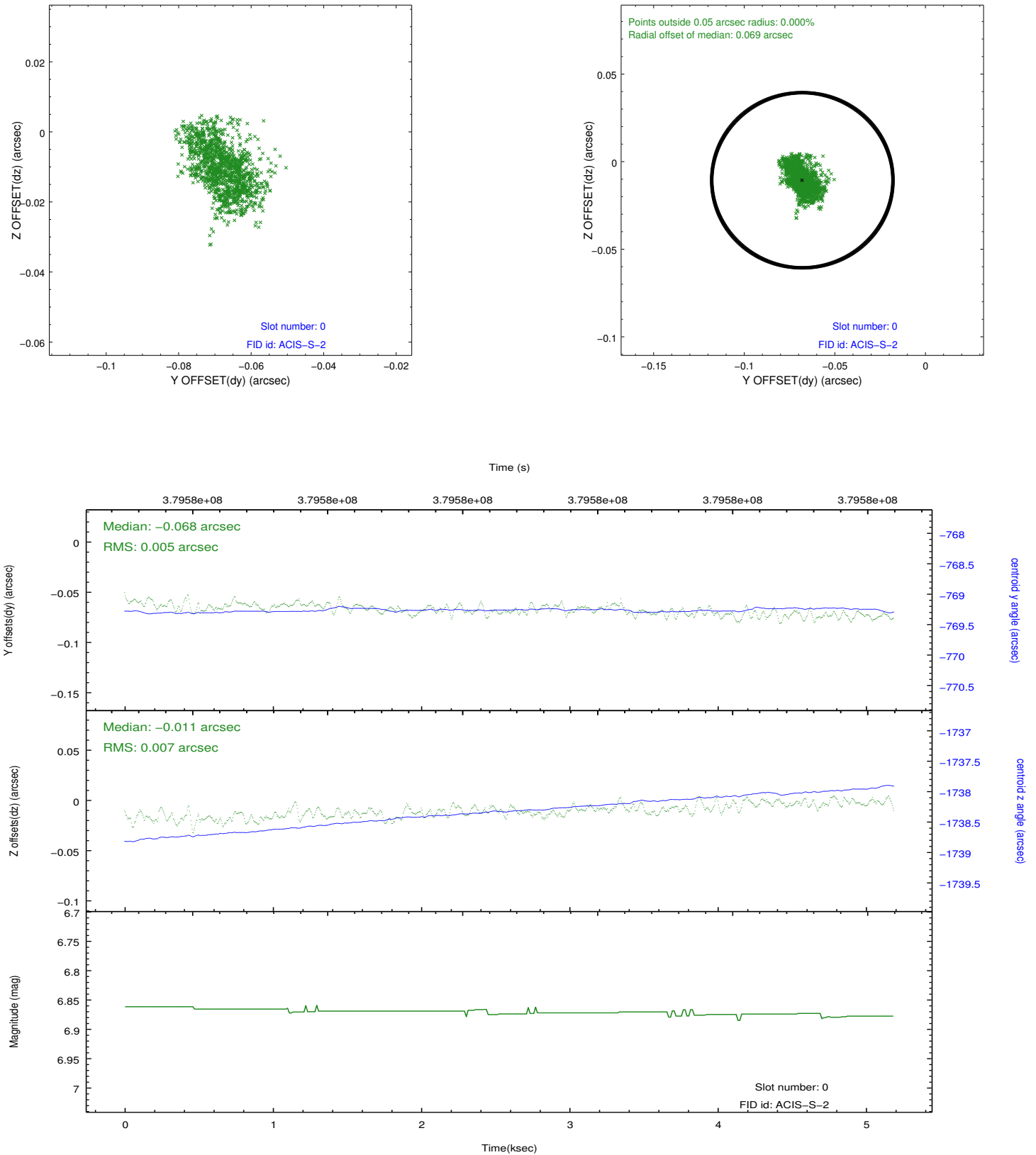


2.4.5 Slot 7

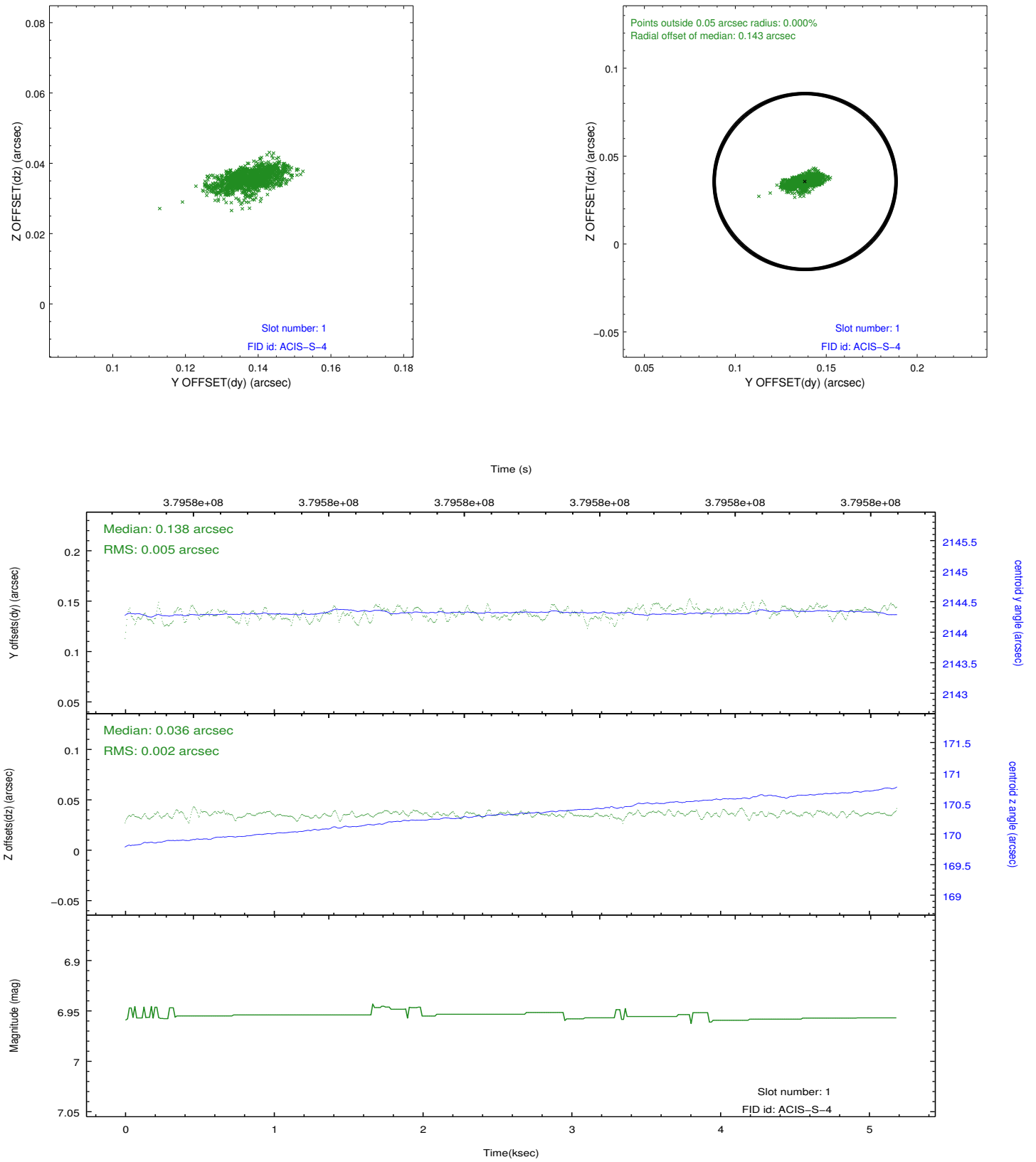


2.5 FID Slots

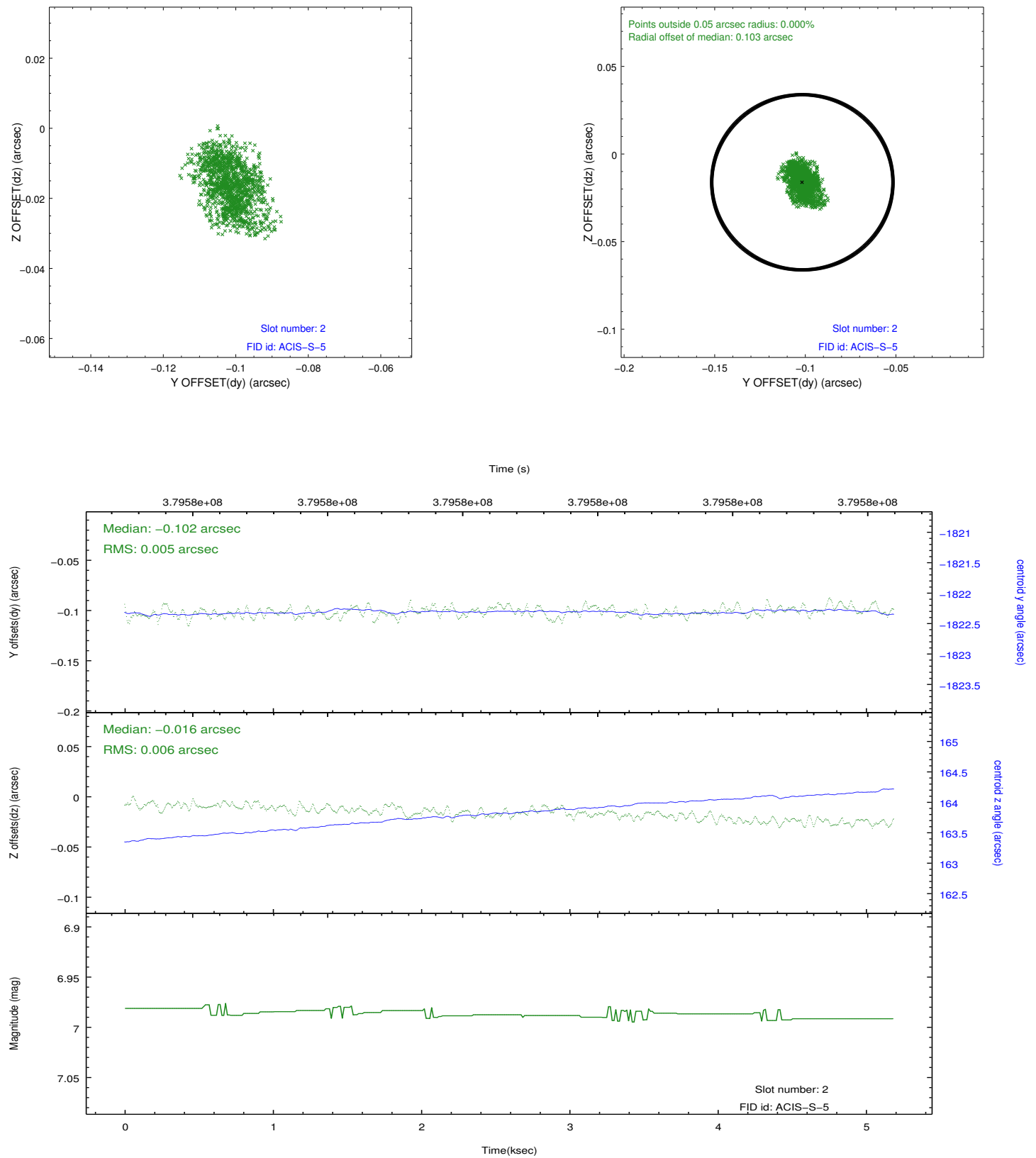
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1880000773668

A.2 Comments