

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 663 - L2 Version 4
Chandra X-Ray Center

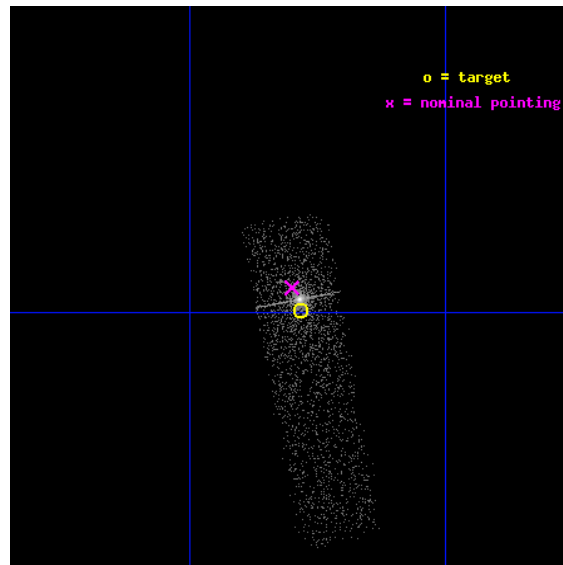
L2 Processing Date : Aug 28 2012

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

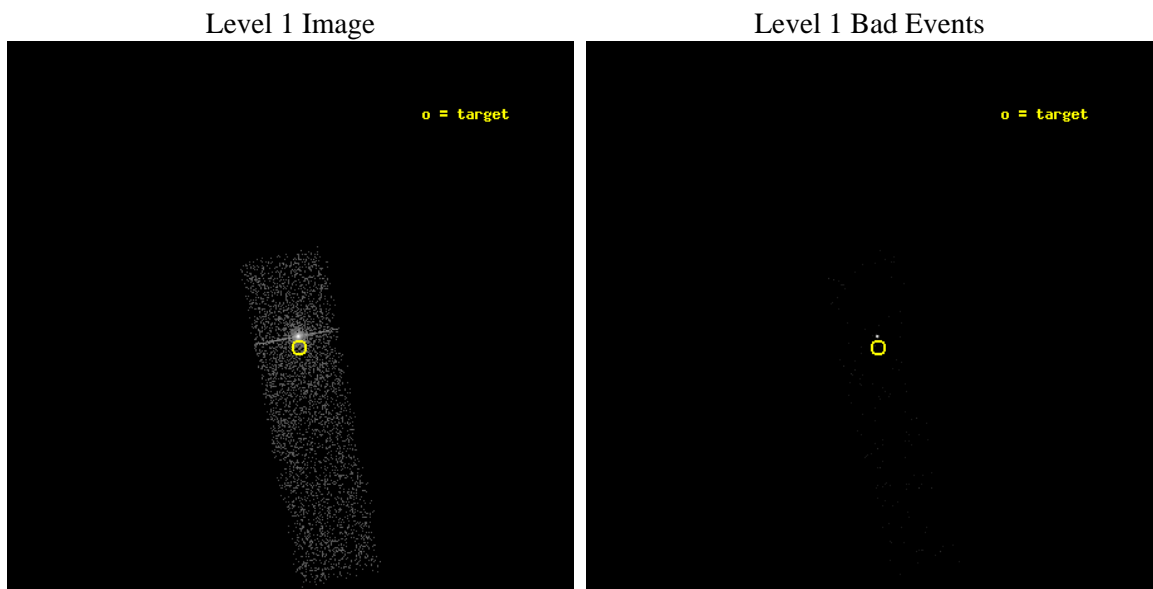
seq_num	400030	Sequence number
obs_id	663	Observation id
title	THE FAINTEST 'FIELD' LOW-MASS X-RAY BINARIES	Proposal title
observer	PROF MICHIEL VAN DER KLIS	Principal investigator
object	1735-269	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.570833	Observer's specified target RA [deg]
dec_targ	-26.998667	Observer's specified target Dec [deg]
ra_nom	264.57514602101	Nominal RA [deg]
dec_nom	-26.989292118459	Nominal Dec [deg]
roll_nom	79.255664682254	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1711.1999936402	Sum of GTIs [s]
livetime	1627.6990332352	Livetime [s]
ontime7	1711.1999936402	Sum of GTIs [s]
l2events	4285	Number of level 2 events



2 OBI

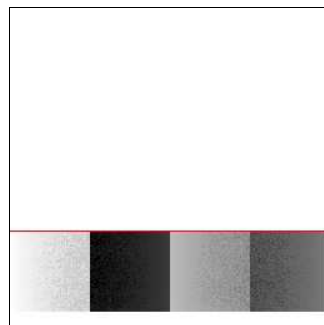
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1711.1999936402	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	1711.1999936402	Sum of GTIs [s]
date	2012-08-28T04:22:31	Date and time of file creation	l1events	6714	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

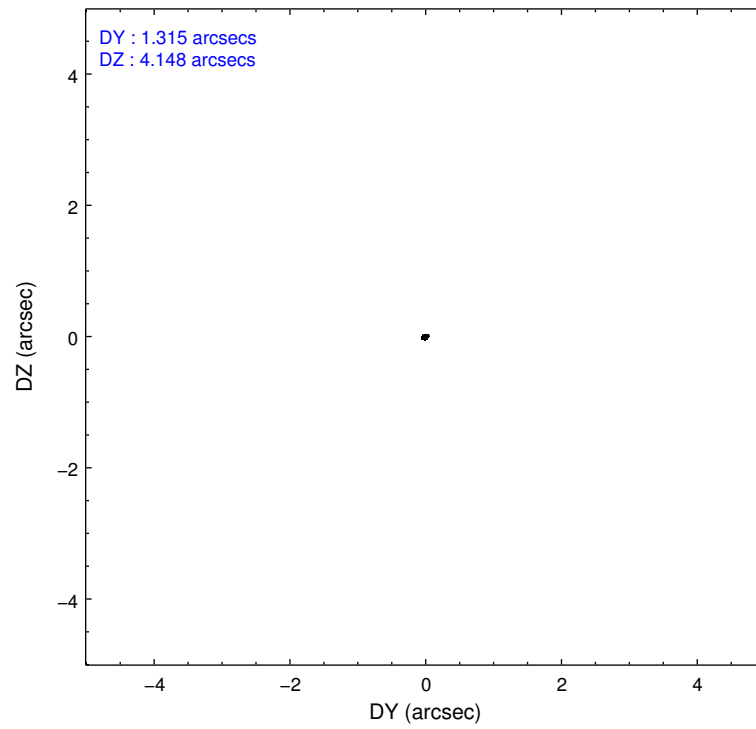
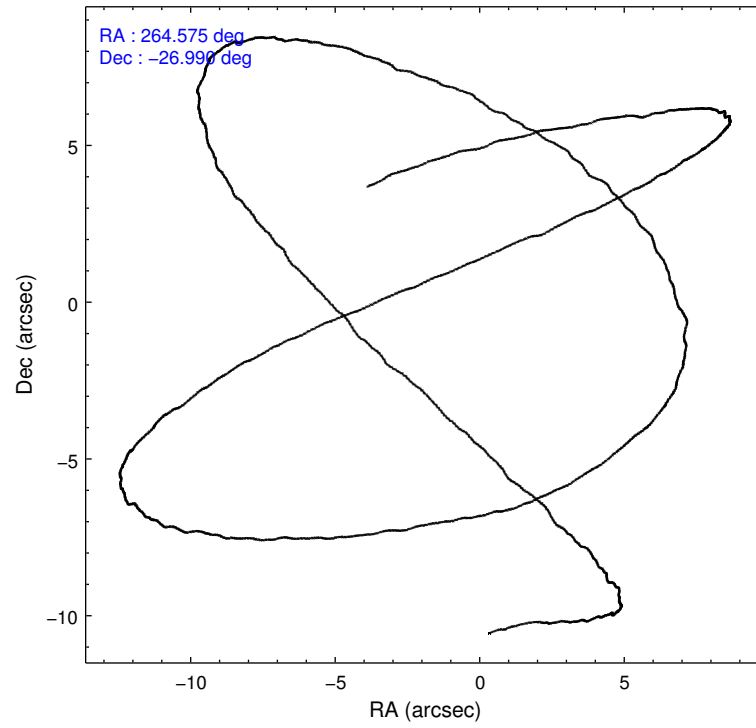
	ccd 7
level 1 events	6714
rejected events	2315
rejected %	34%

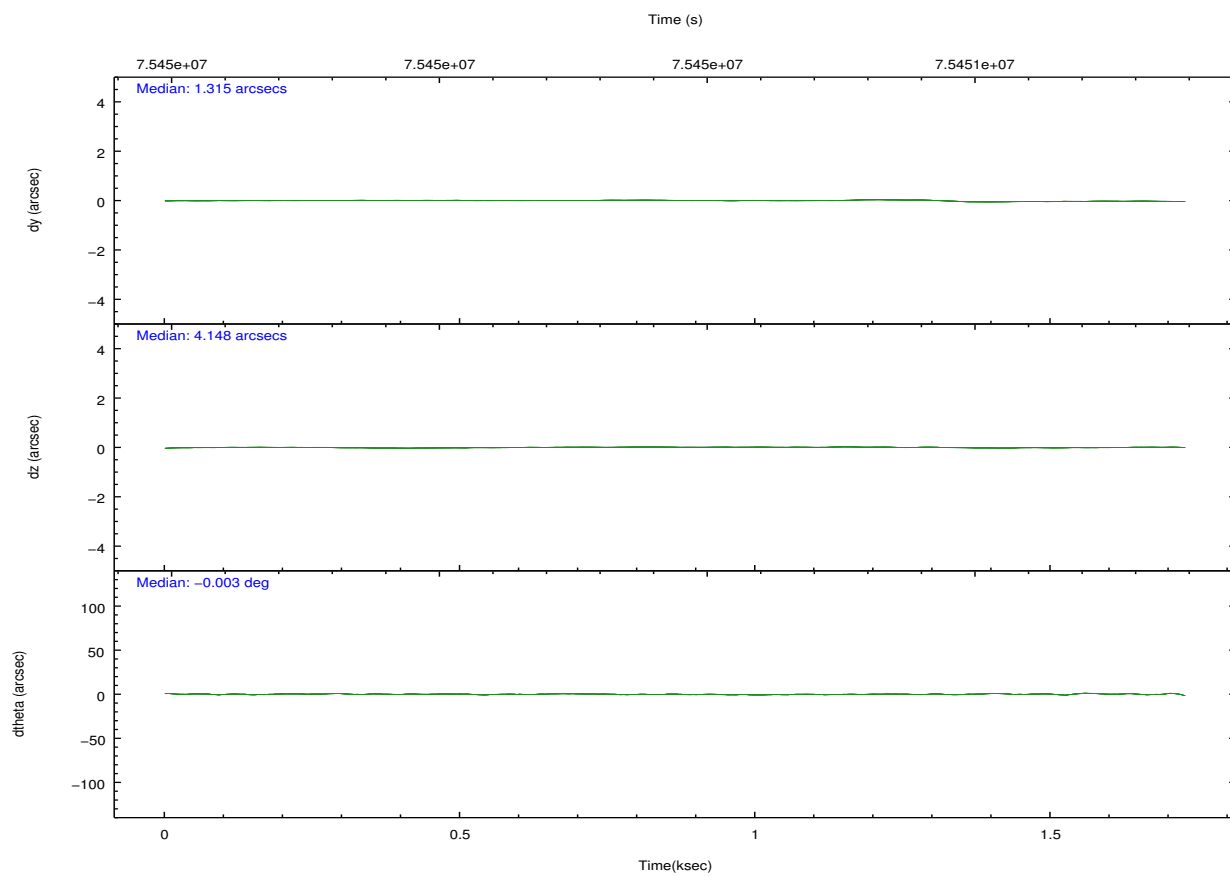
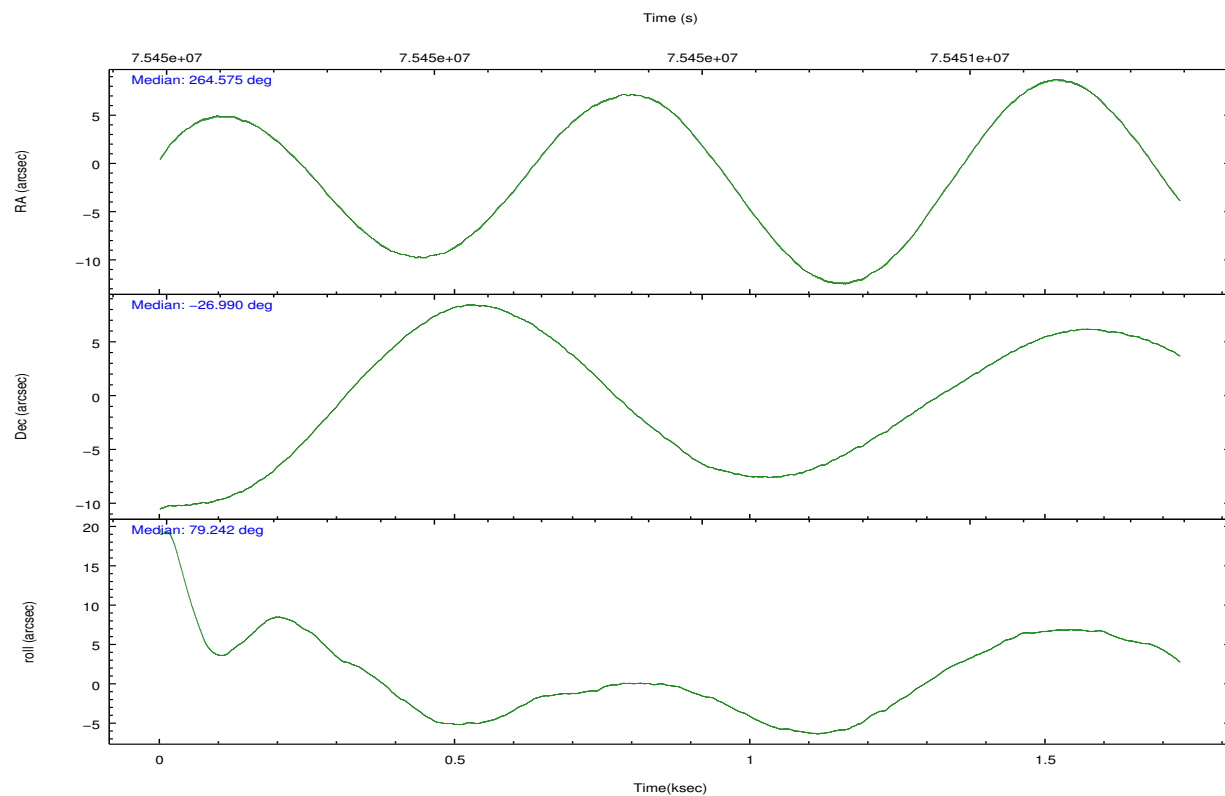
	ccd 7
grade 0 events	657
	9%
grade 1 events	34
	0%
grade 2 events	943
	14%
grade 3 events	499
	7%
grade 4 events	464
	6%
grade 5 events	455
	6%
grade 6 events	1843
	27%
grade 7 events	1819
	27%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.585166	264.5751460210055	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-27.015221	-26.98929211845902	Subarray start row	53	53
[deg] Pointing Roll	79.103448	79.25566468225362	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	-182.132523	-182.1370004450064			
[mm] SIM translation stage offset	-8	-7.995522138001405			
[s] Observation start time (MET)	75450305.184000	75449074.828961			
Observation start date	2000-05-23T06:24:01	2000-05-23T06:04:34			
[s] Observation end time (MET)	75451305.184000	75451869.49156401			
Observation end date	2000-05-23T06:40:41	2000-05-23T06:51:09			
Read mode	TIMED	TIMED			

2.3 Aspect



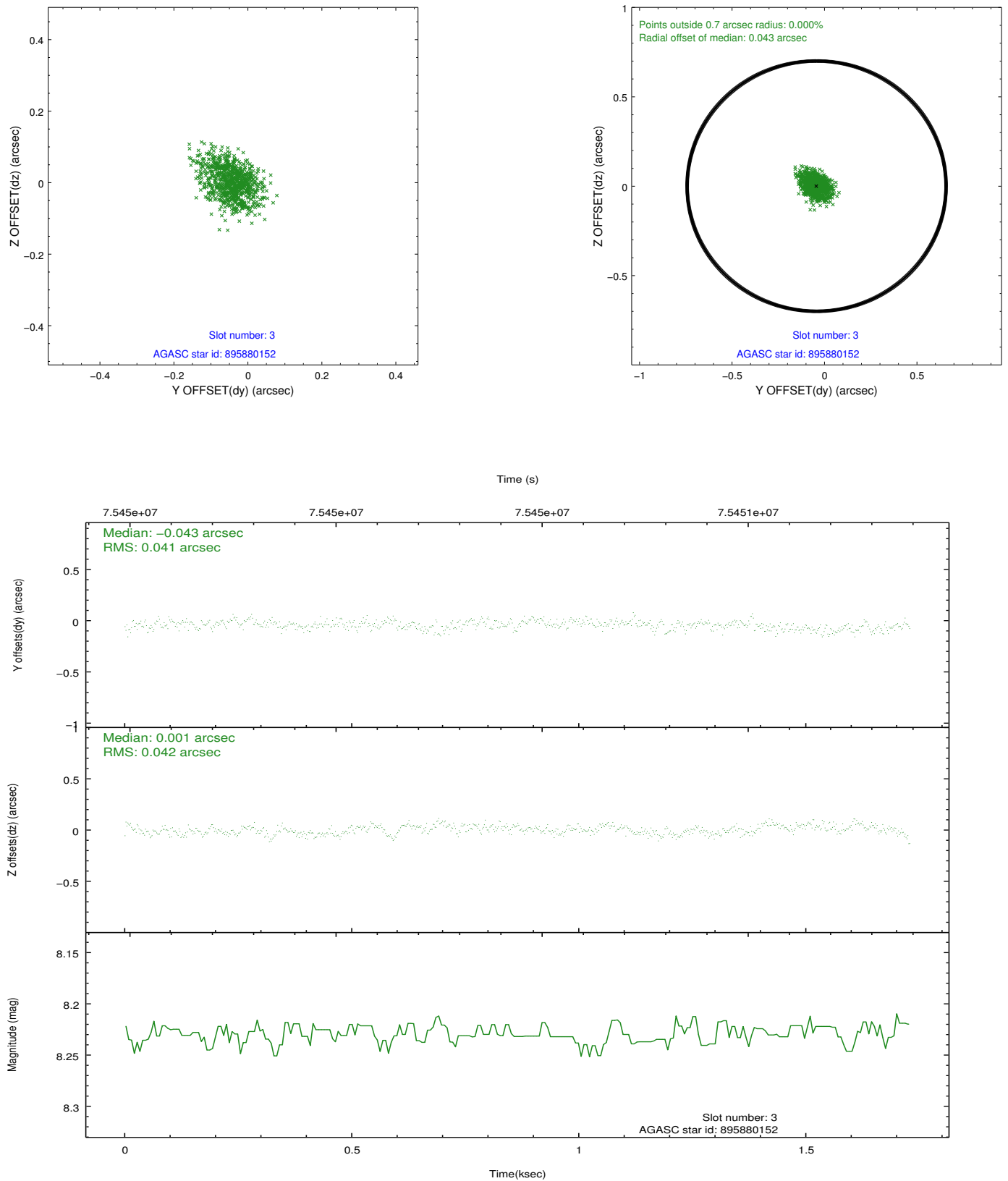


Slot Statistics

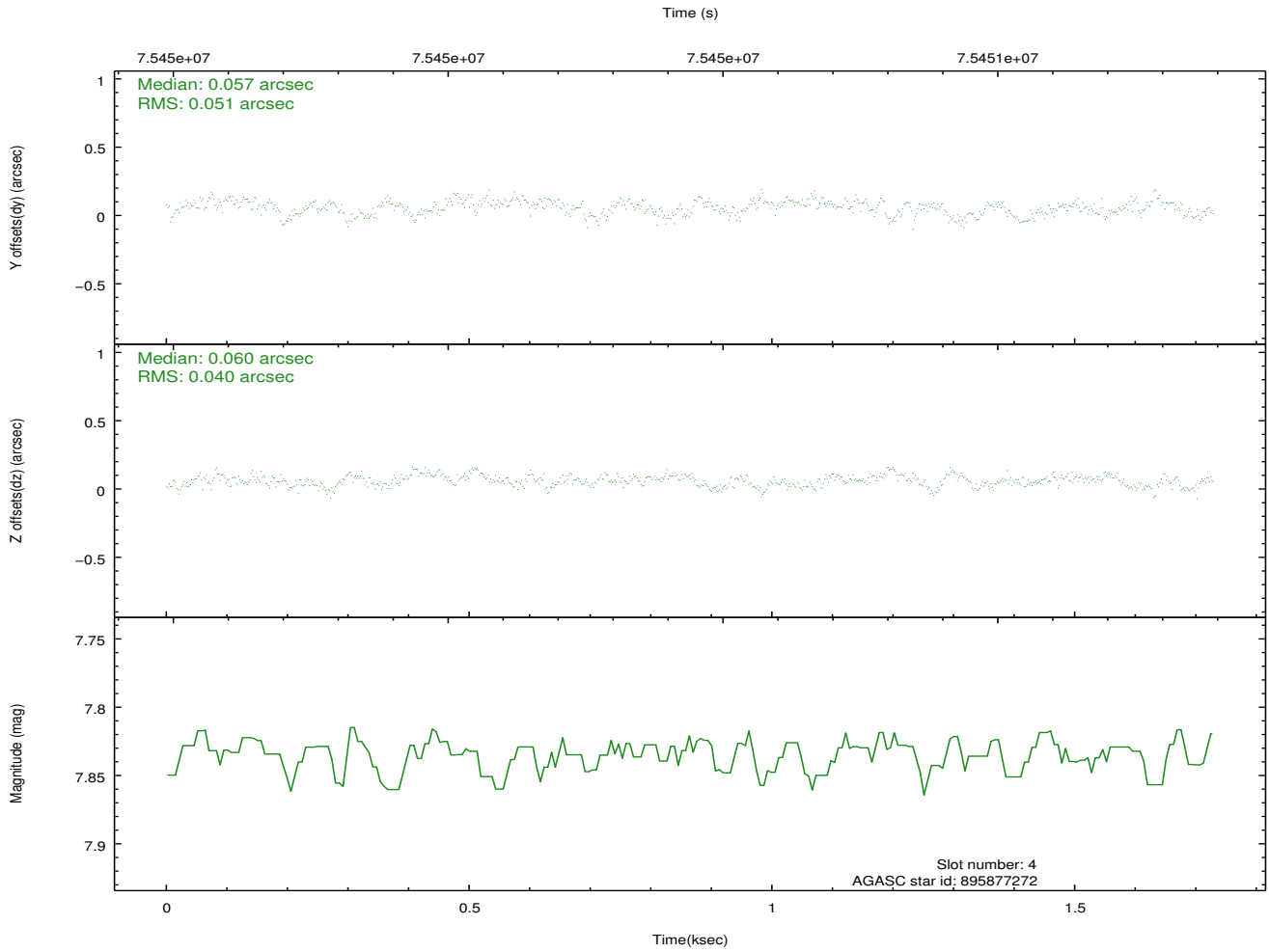
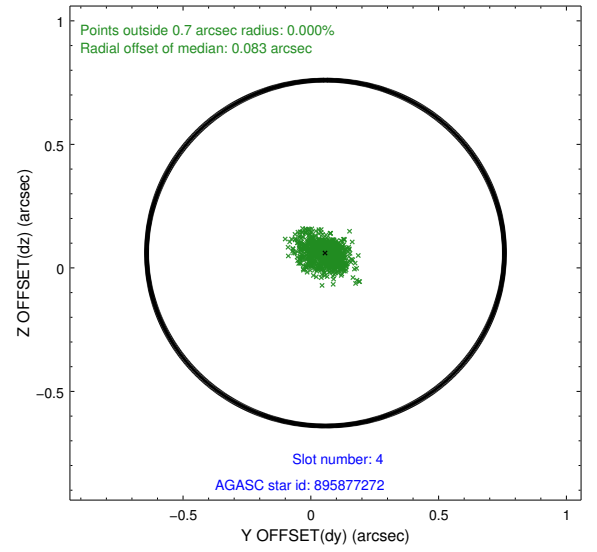
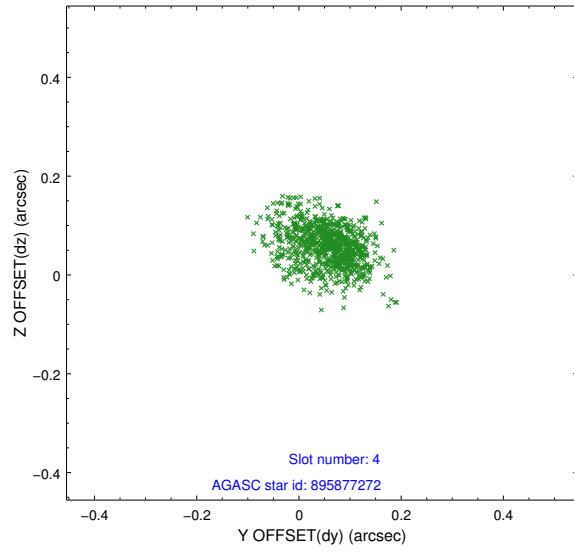
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	422	-0.060	-0.091	0.007	0.011	0.000000	0.000000	-753.43	-1890.02
1	FID	ACIS-S-4	7.18	422	0.070	0.053	0.005	0.009	0.000000	0.000000	2158.30	14.21
2	FID	ACIS-S-5	7.22	422	-0.042	0.046	0.007	0.011	0.000000	0.000000	-1801.30	12.30
3	GUIDE	895880152	8.23	844	-0.043	0.001	0.062	0.102	264.267852	-27.098682	-487.88	941.83
4	GUIDE	895877272	7.83	844	0.057	0.060	0.068	0.113	264.774842	-26.937569	389.64	-543.37
5	GUIDE	895879392	9.13	844	0.075	0.096	0.077	0.120	264.792874	-27.441876	-1381.68	-942.61
6	GUIDE	895878272	9.44	843	-0.005	-0.151	0.089	0.141	263.965944	-27.067577	-566.28	1911.67
7	GUIDE	895882352	9.80	843	-0.084	-0.004	0.124	0.195	265.106207	-26.498257	2141.98	-1294.18

2.4 Star Slots

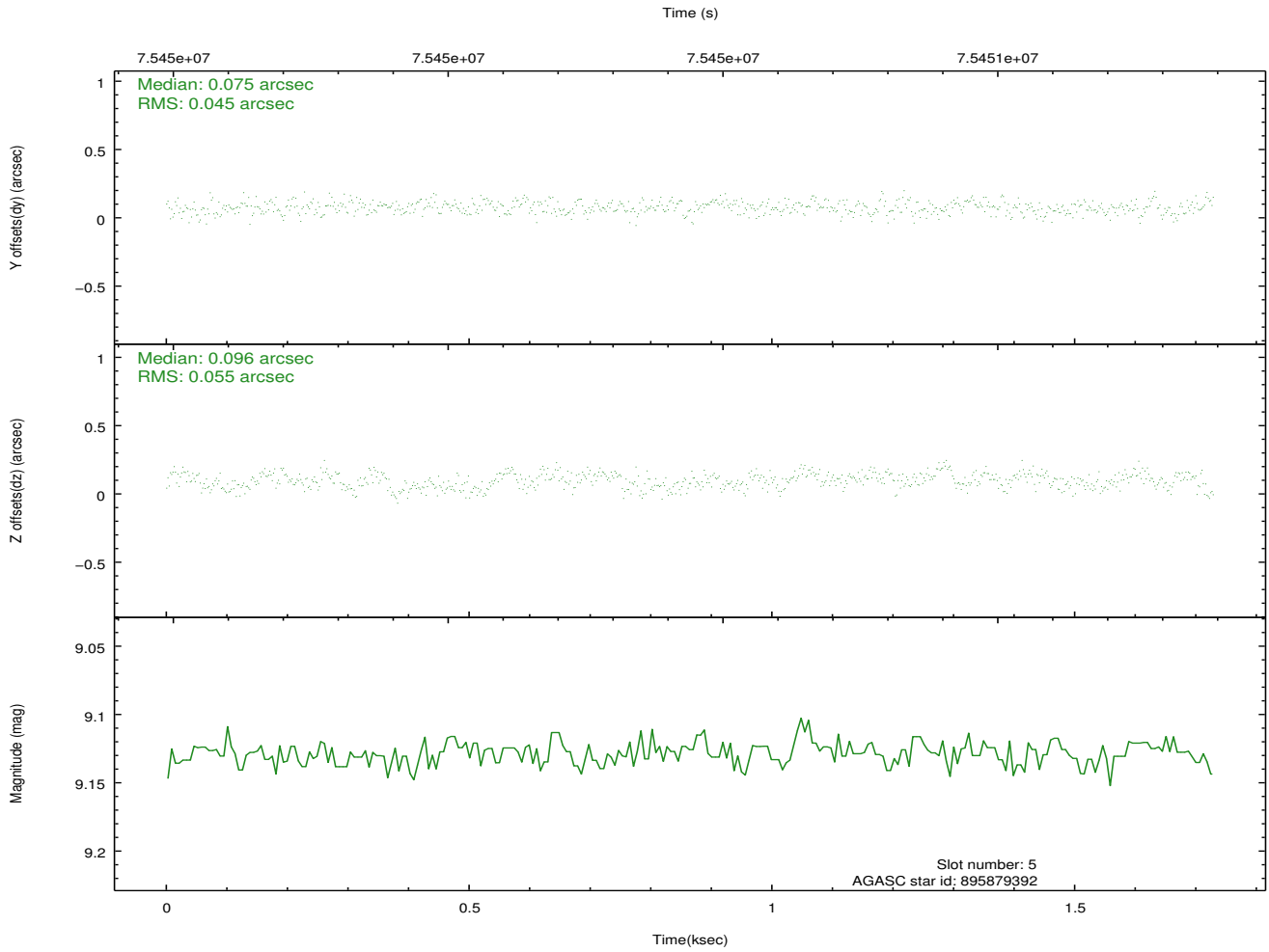
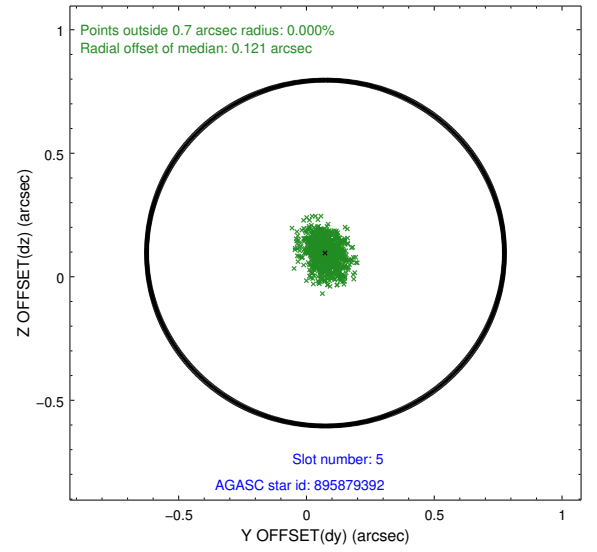
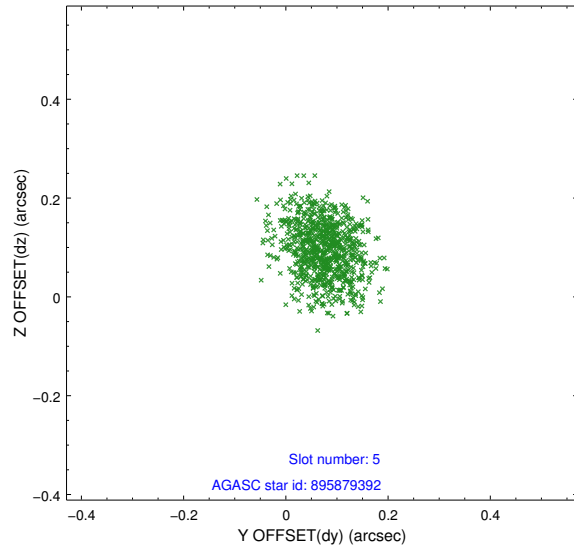
2.4.1 Slot 3



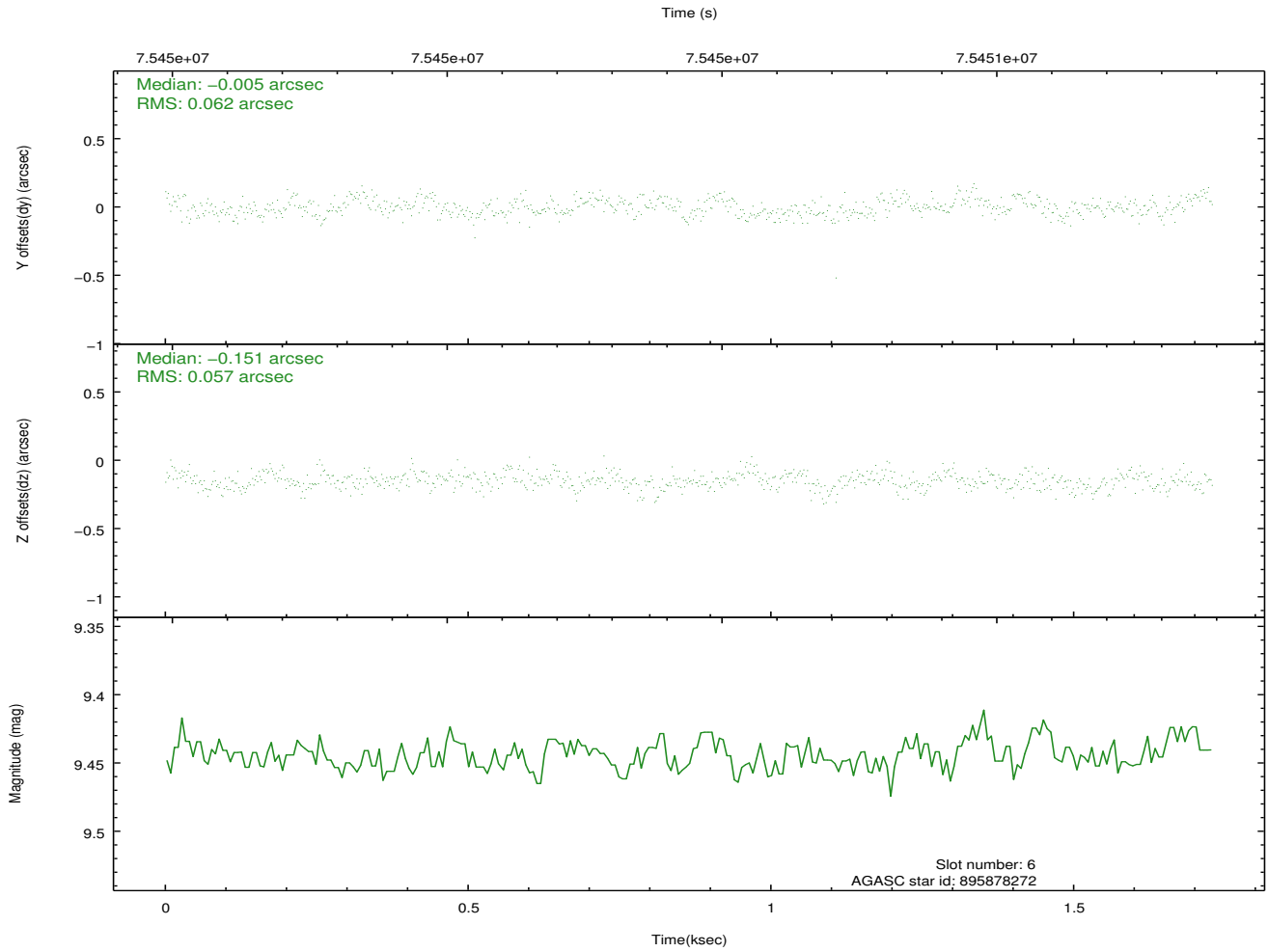
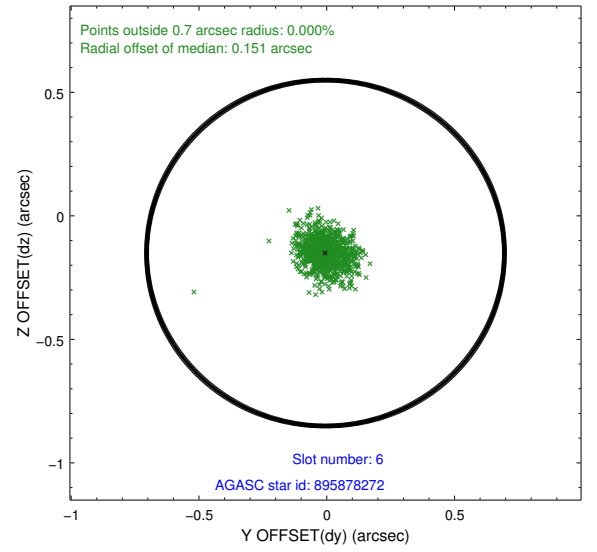
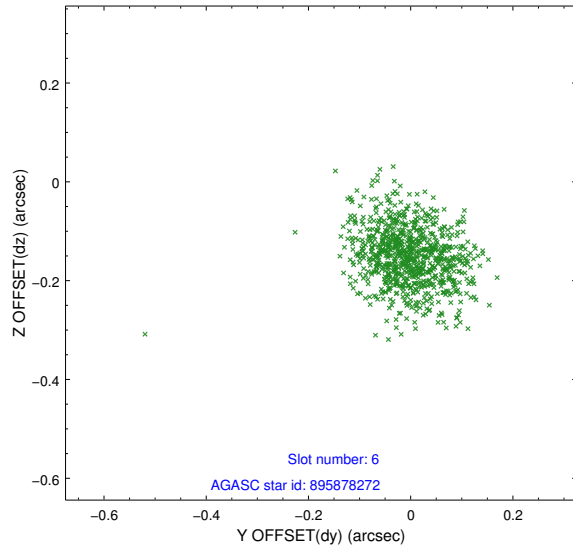
2.4.2 Slot 4



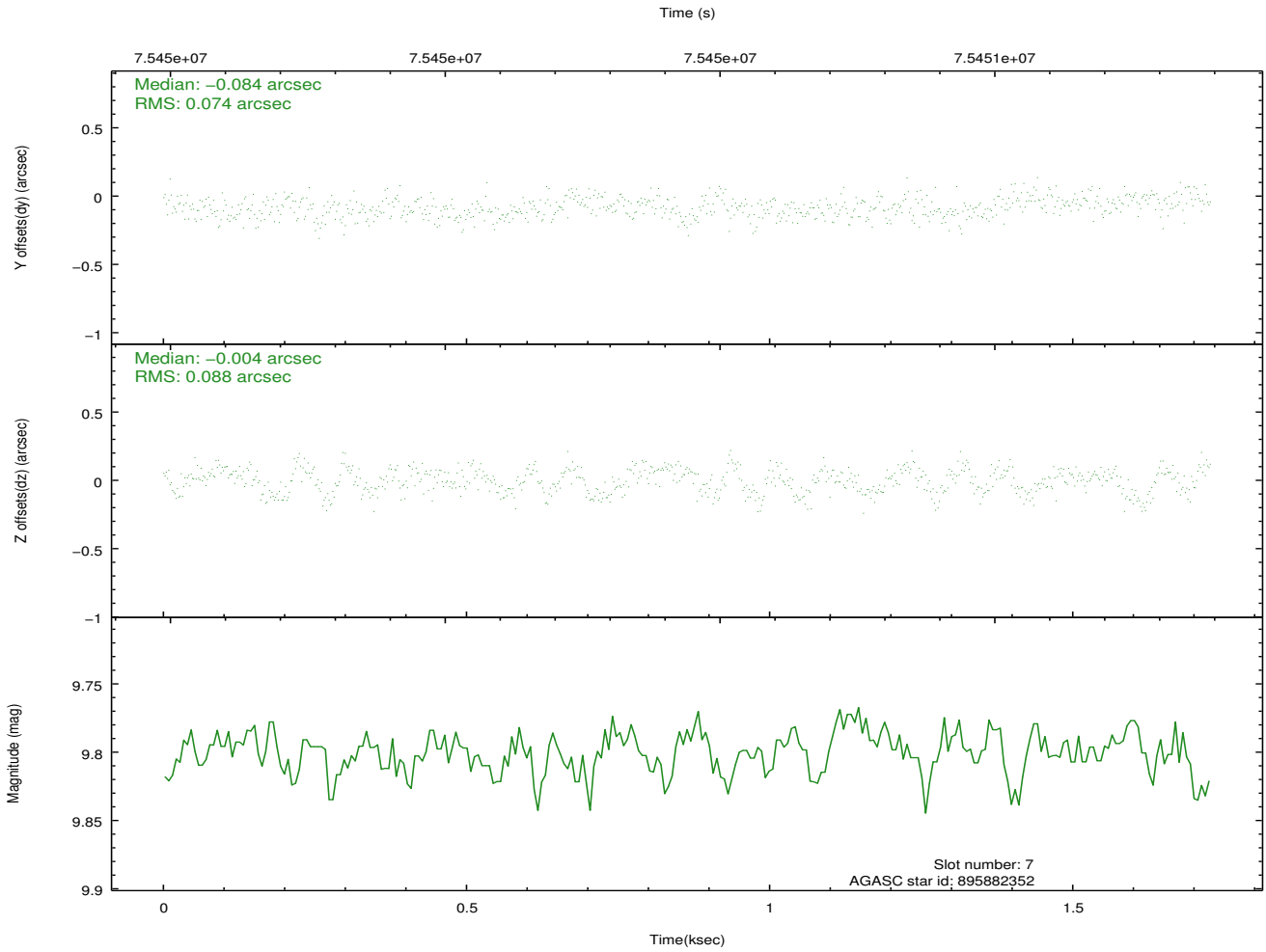
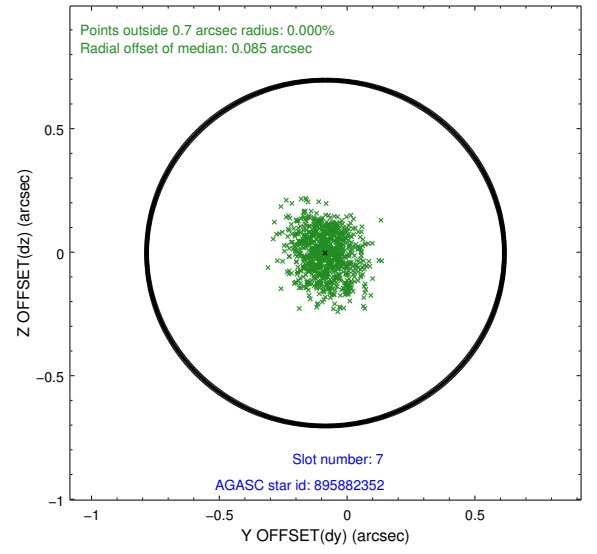
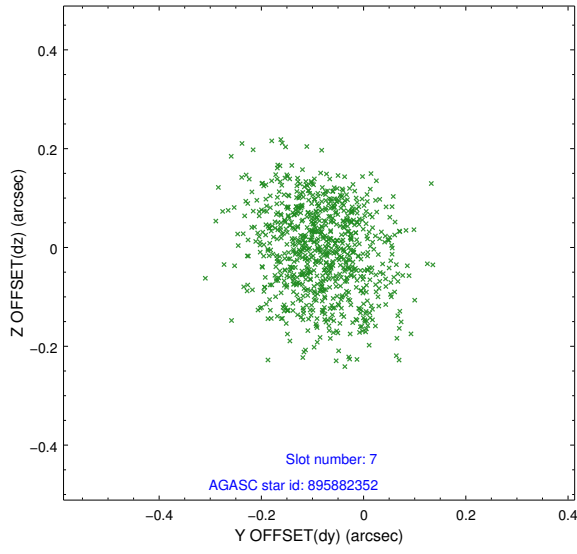
2.4.3 Slot 5



2.4.4 Slot 6

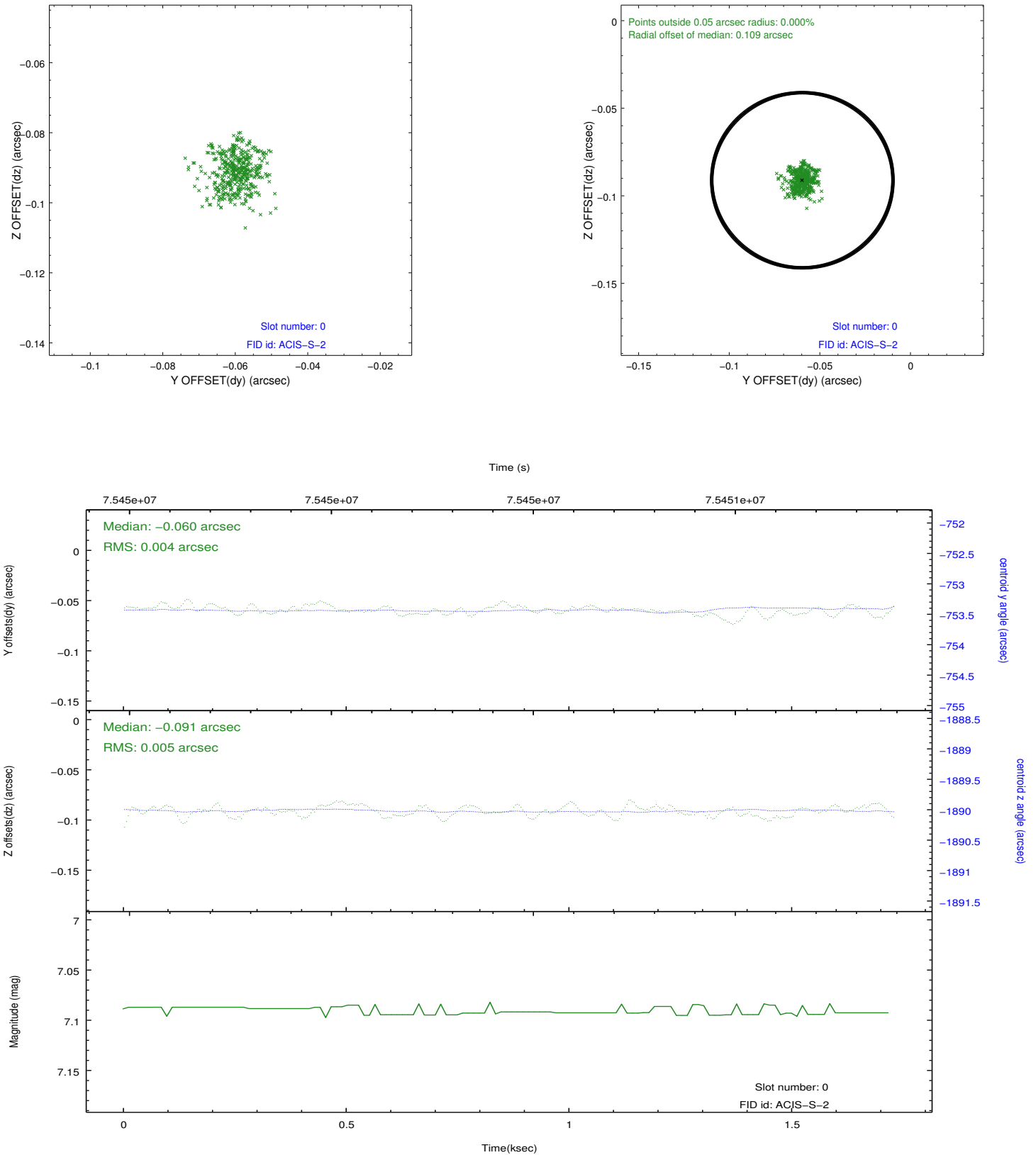


2.4.5 Slot 7

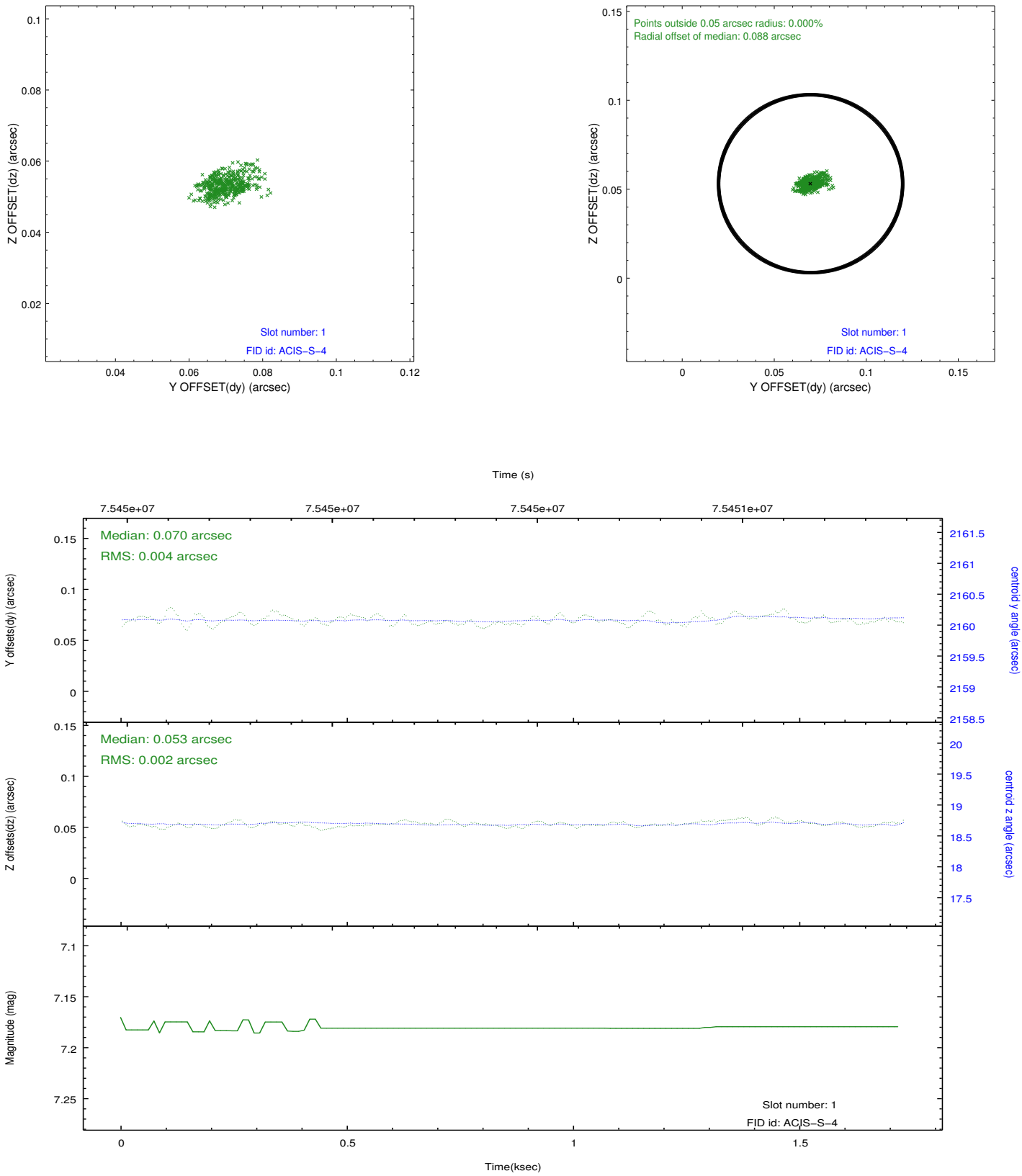


2.5 FID Slots

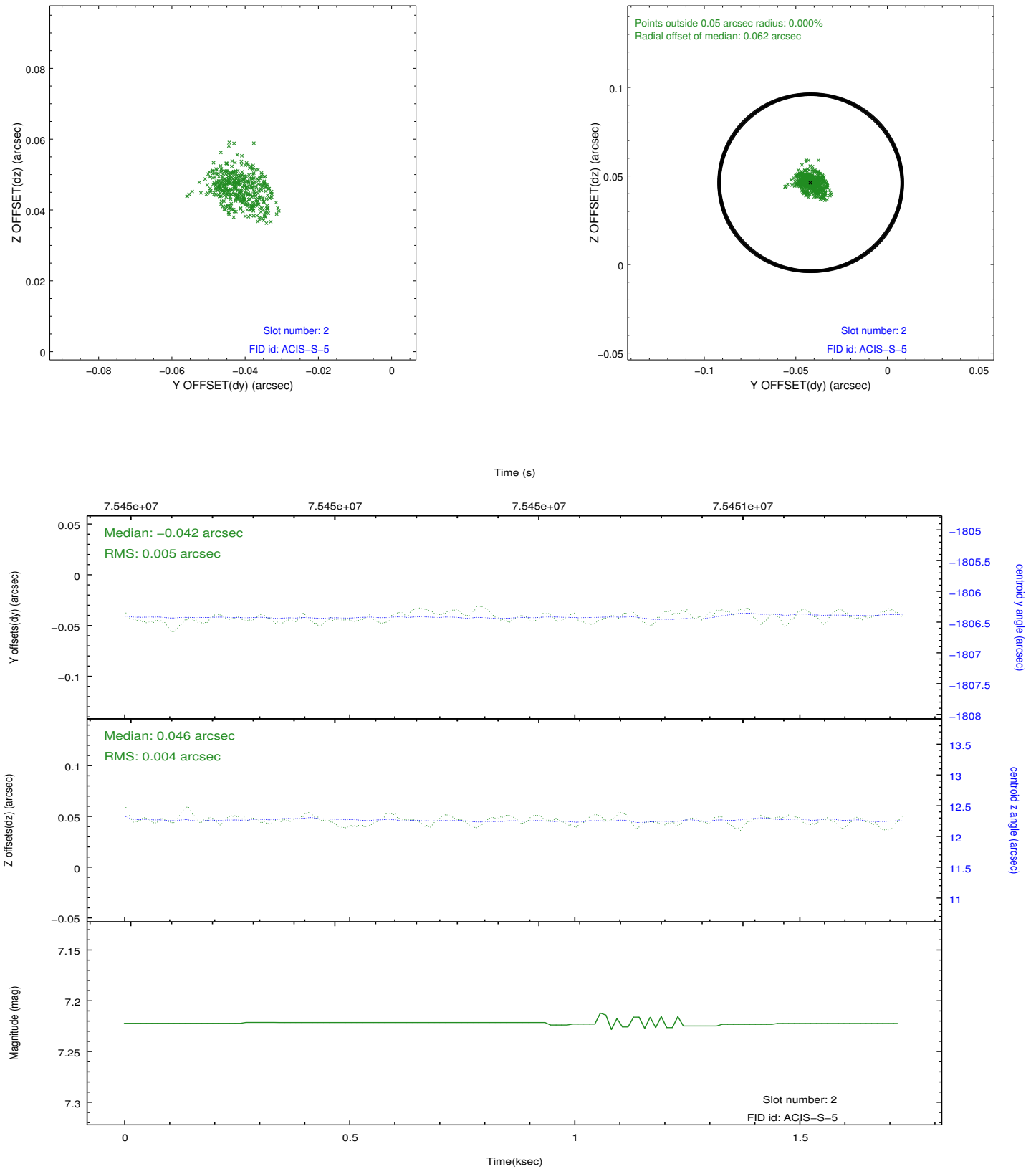
2.5.1 Slot 0



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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.712

A.2 Comments