

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 357 - L2 Version 5
Chandra X-Ray Center

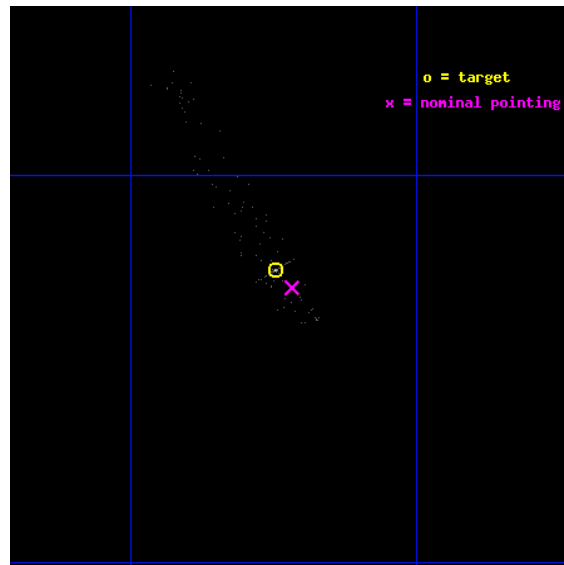
L2 Processing Date : Aug 28 2012

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1 Front

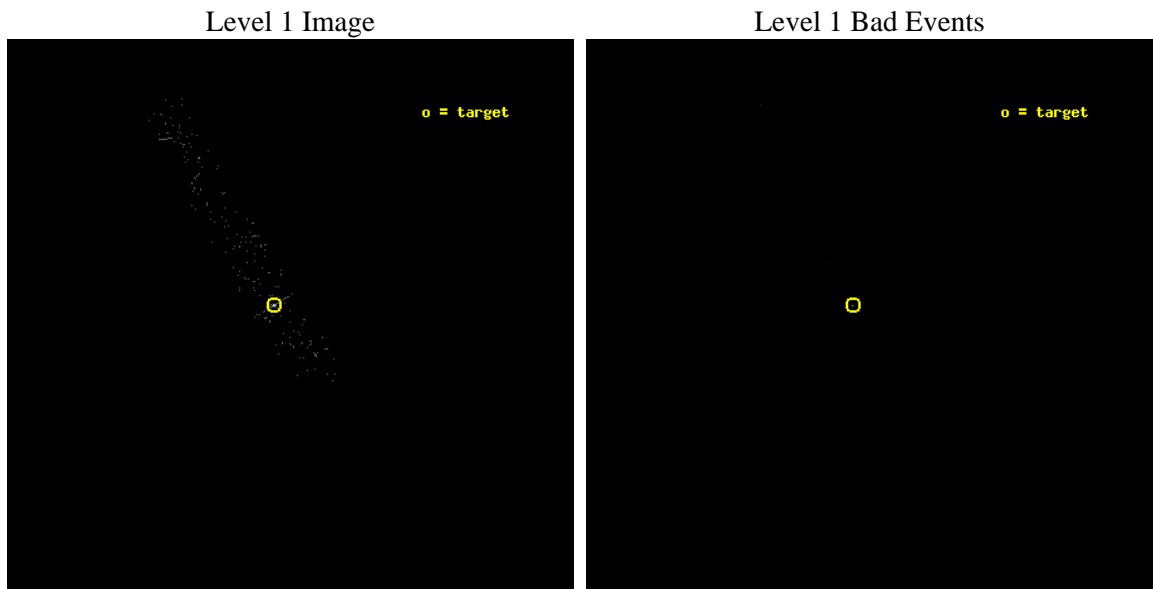
seq_num	700029	Sequence number
obs_id	357	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS	Proposal title
observer	Professor Andrew Wilson	Principal investigator
object	NGC 5506	Source name
dtcycle	0	
cycle	P	events are from which exps? P[rimary] S[econdar
ra_targ	213.311667	Observer's specified target RA [deg]
dec_targ	-3.2075	Observer's specified target Dec [deg]
ra_nom	213.30479025479	Nominal RA [deg]
dec_nom	-3.21519921708	Nominal Dec [deg]
roll_nom	239.3366886646	Nominal Roll [deg]
revision	5	Processing version of data
ontime	507.1876090914	Sum of GTIs [s]
livetime	88.980282296738	Livetime [s]
ontime7	507.1876090914	Sum of GTIs [s]
l2events	445	Number of level 2 events



2 OBI Primary

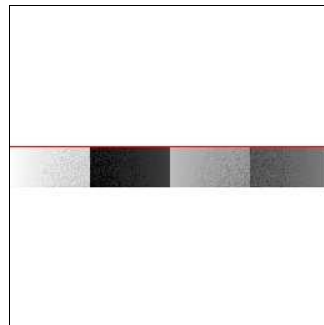
2.1 OBI

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	507.1876090914	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	507.1876090914	Sum of GTIs [s]
date	2012-08-28T18:41:20	Date and time of file creation	l1events	684	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	684
rejected events	230
rejected %	33%

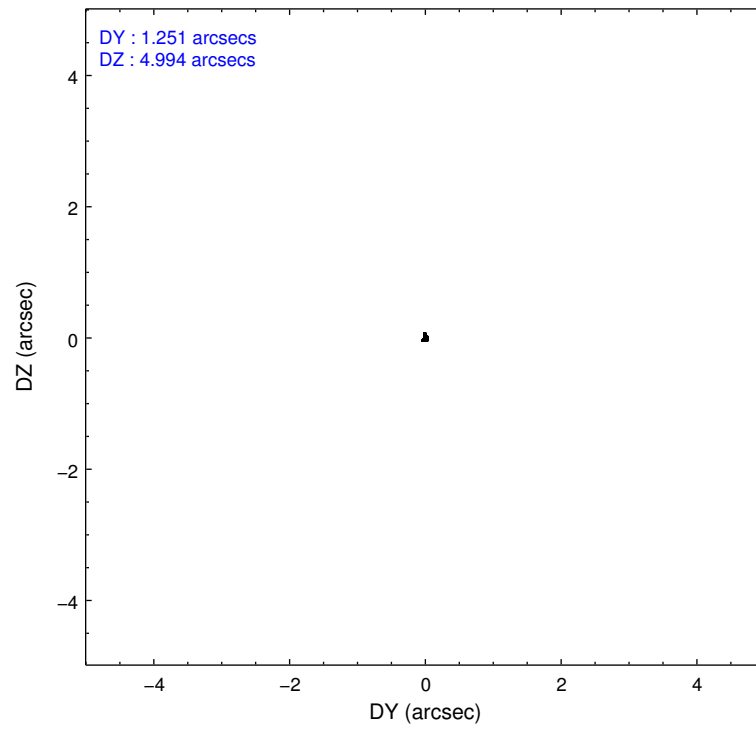
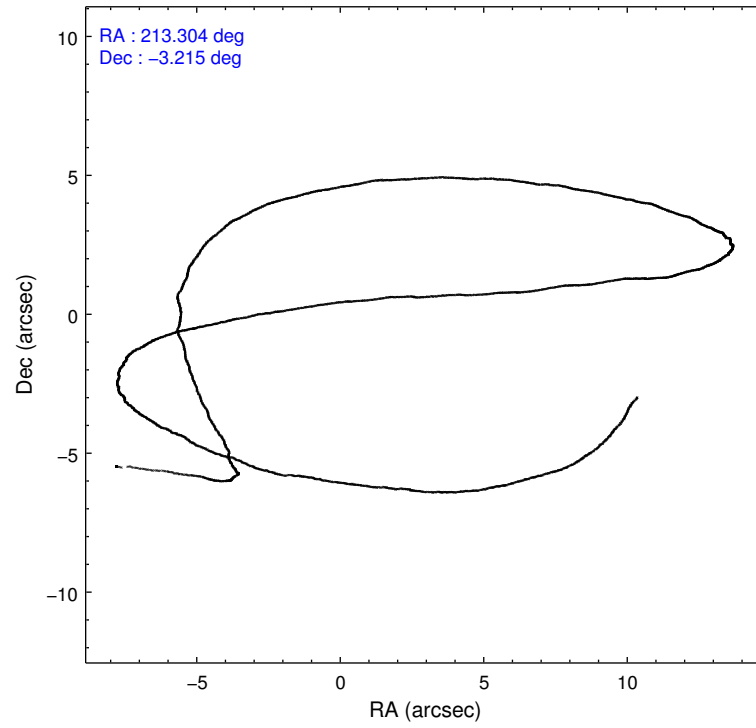
	ccd 7
grade 0 events	106
	15%
grade 1 events	3
	0%
grade 2 events	96
	14%
grade 3 events	61
	8%
grade 4 events	58
	8%
grade 5 events	34
	4%
grade 6 events	183
	26%
grade 7 events	143
	20%

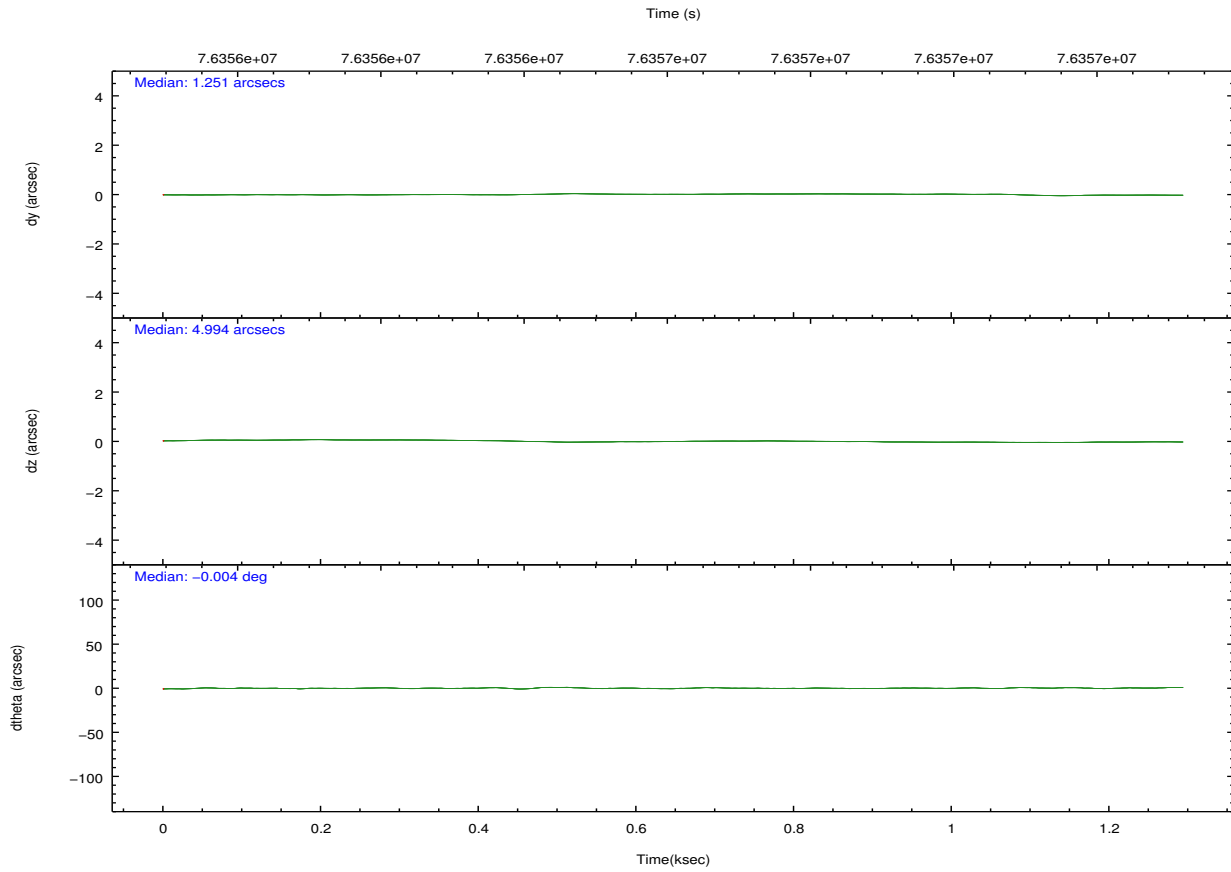
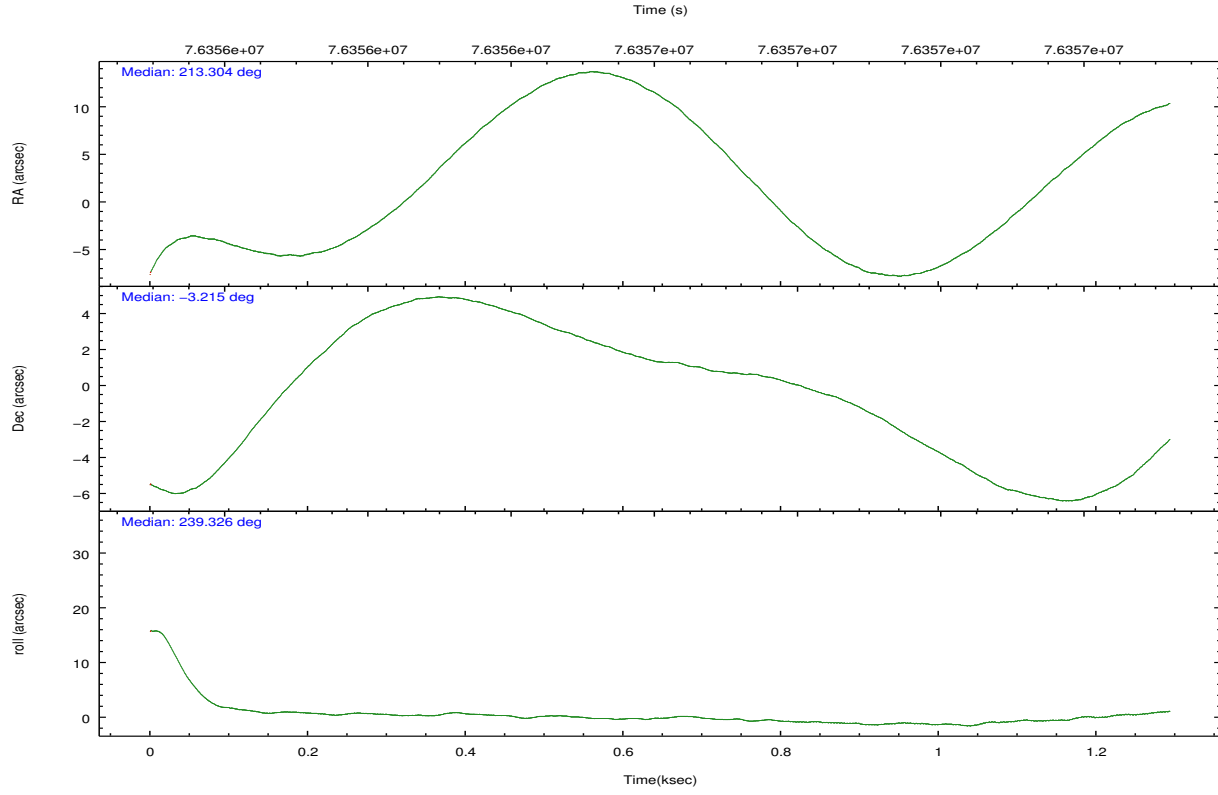
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	213.305288	213.3047902547925
[deg] Pointing Dec	-3.187599	-3.215199217079994
[deg] Pointing Roll	239.179917	239.3366886645973
[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)	76356254.184000	76355236.362294
Observation start date	2000-06-02T18:03:10	2000-06-02T17:47:16
[s] Observation end time (MET)	76357254.184000	76357901.874892
Observation end date	2000-06-02T18:19:50	2000-06-02T18:31:41
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	Y	Y
[s] Primary exposure time	0.100000	0.1
[s] Secondary exposure time	0.400000	0.4
Duty cycle	2	2

2.3 Aspect



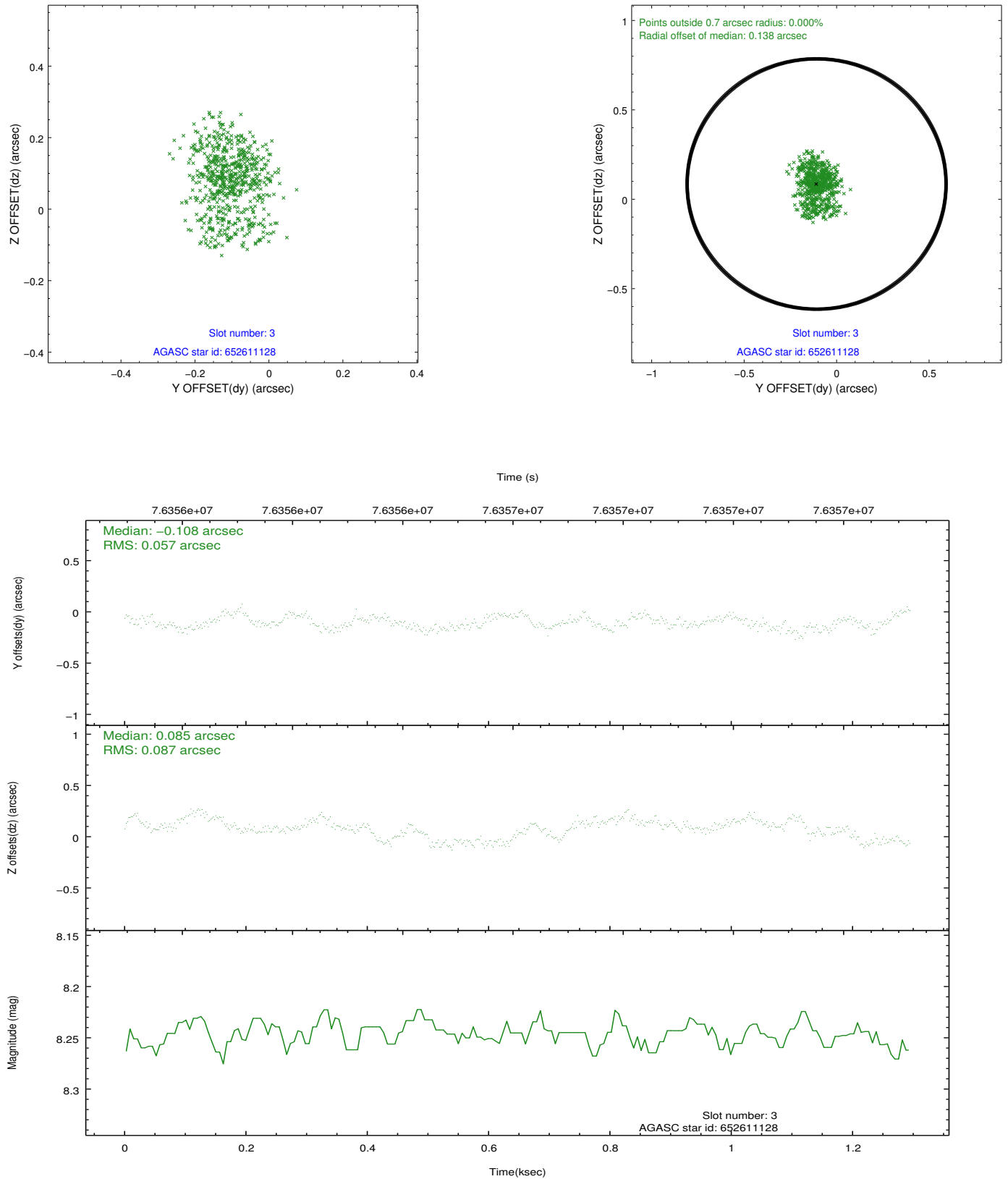


Slot Statistics

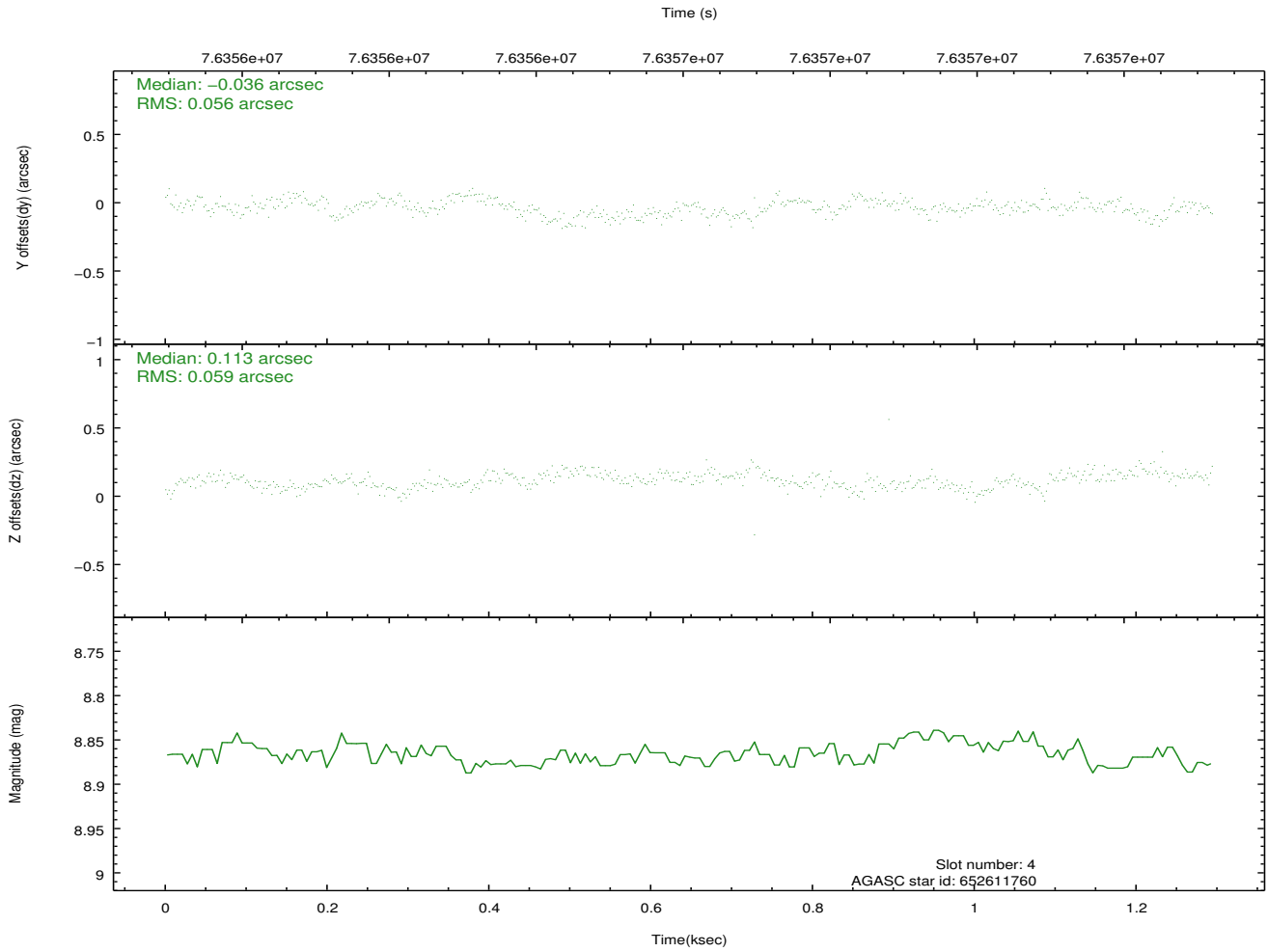
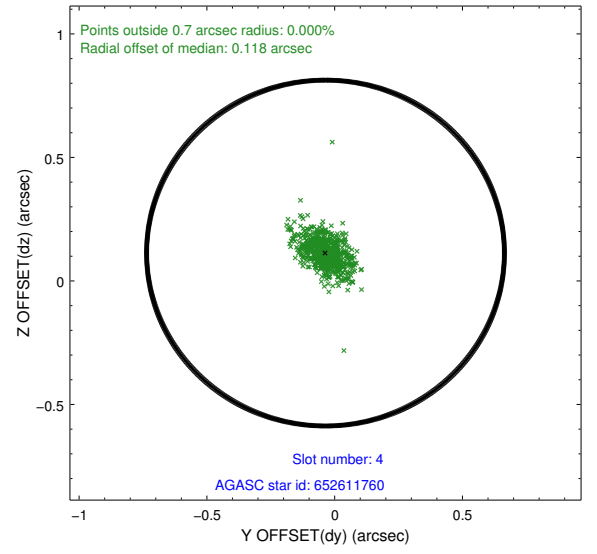
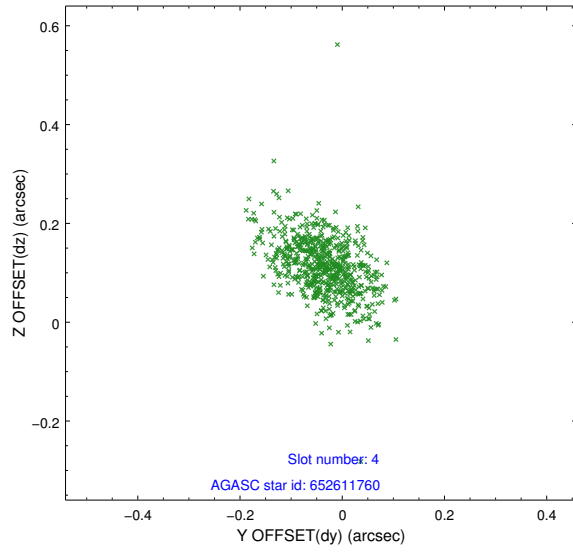
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	316	-0.035	0.001	0.007	0.011	0.000000	0.000000	-753.87	-1726.11
1	FID	ACIS-S-4	7.21	316	-0.000	0.017	0.006	0.011	0.000000	0.000000	2157.11	177.10
2	FID	ACIS-S-5	7.24	316	0.004	-0.008	0.006	0.010	0.000000	0.000000	-1800.06	176.57
3	GUIDE	652611128	8.25	632	-0.108	0.085	0.115	0.183	213.732515	-3.626183	567.28	2128.62
4	GUIDE	652611760	8.87	632	-0.036	0.113	0.082	0.139	213.522861	-3.750471	1338.30	1714.38
5	GUIDE	652607784	8.53	632	-0.040	0.143	0.080	0.127	213.646988	-3.161185	-711.00	1010.12
6	GUIDE	652618120	9.32	632	0.123	-0.184	0.101	0.162	213.822862	-3.450769	-142.32	2085.53
7	GUIDE	652476448	9.52	631	0.059	-0.149	0.104	0.185	212.434530	-3.379480	2195.88	-2328.11

2.4 Star Slots

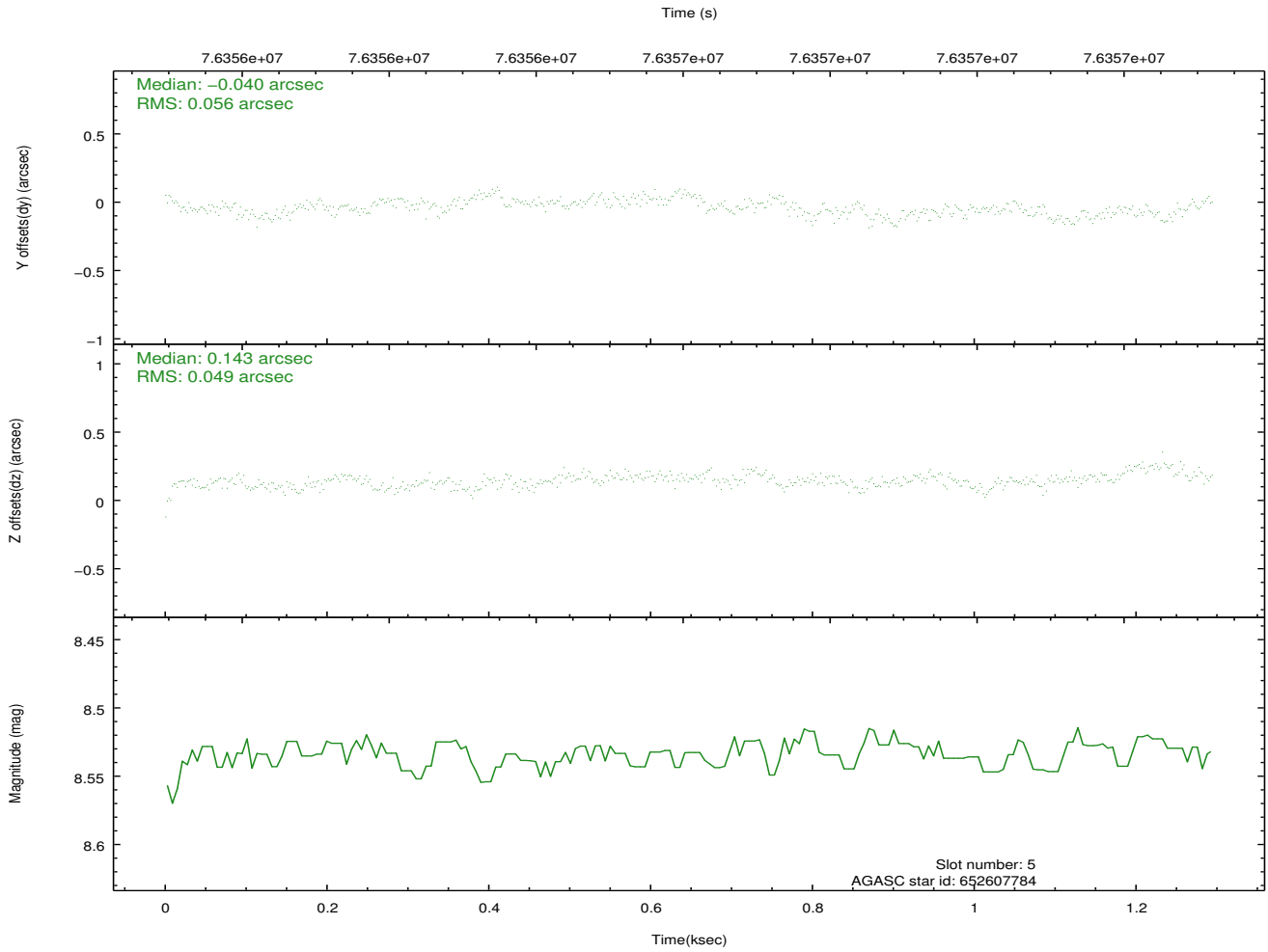
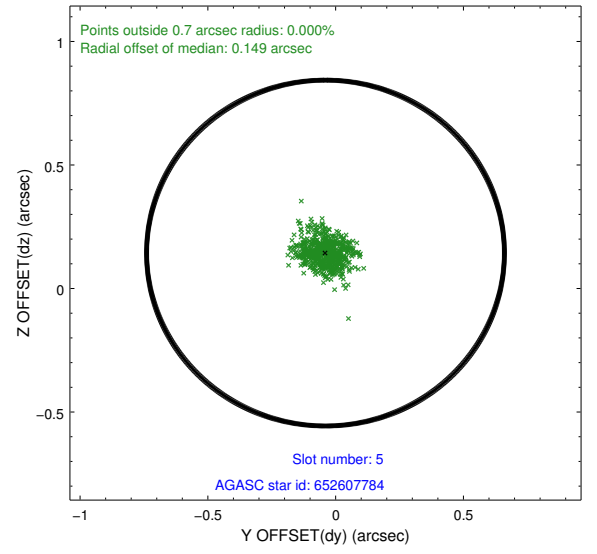
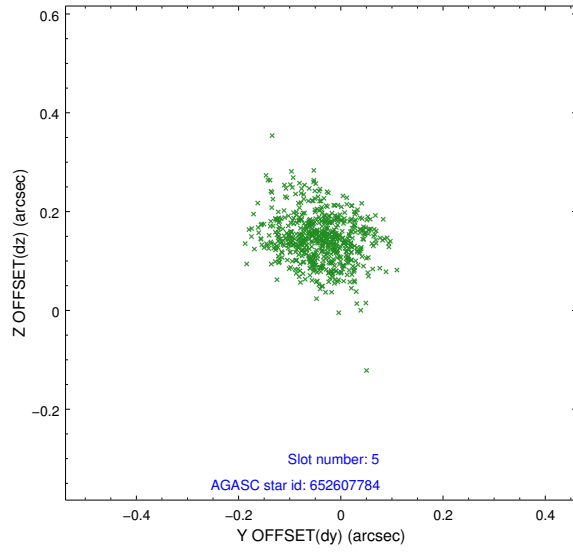
2.4.1 Slot 3



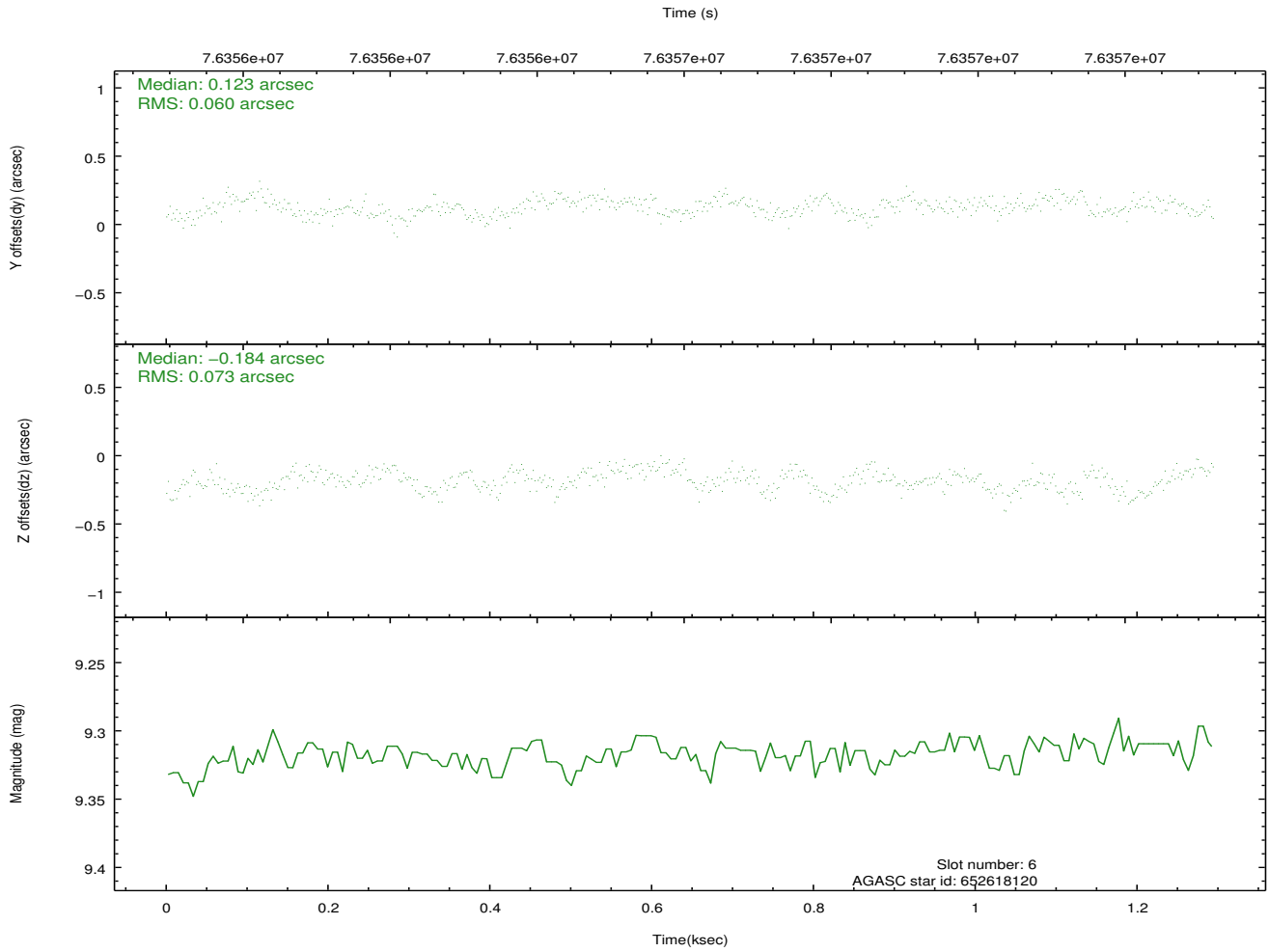
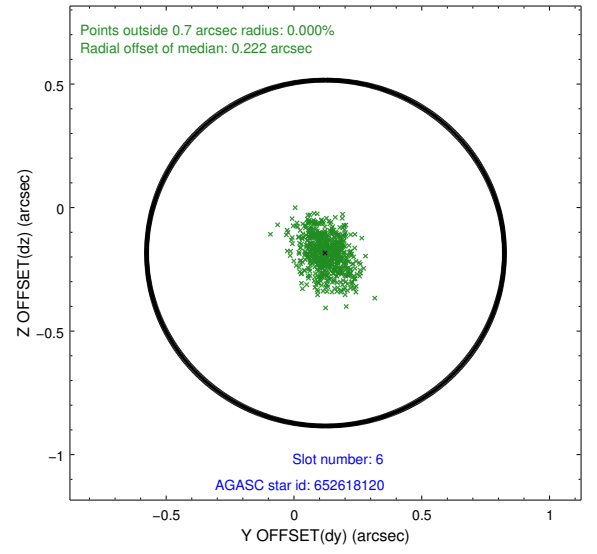
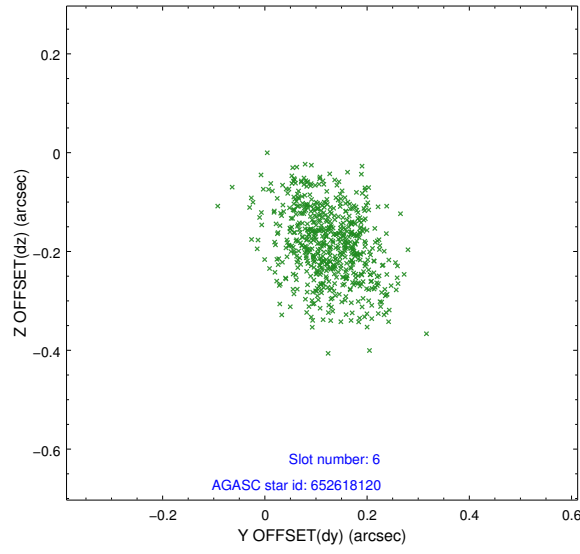
2.4.2 Slot 4



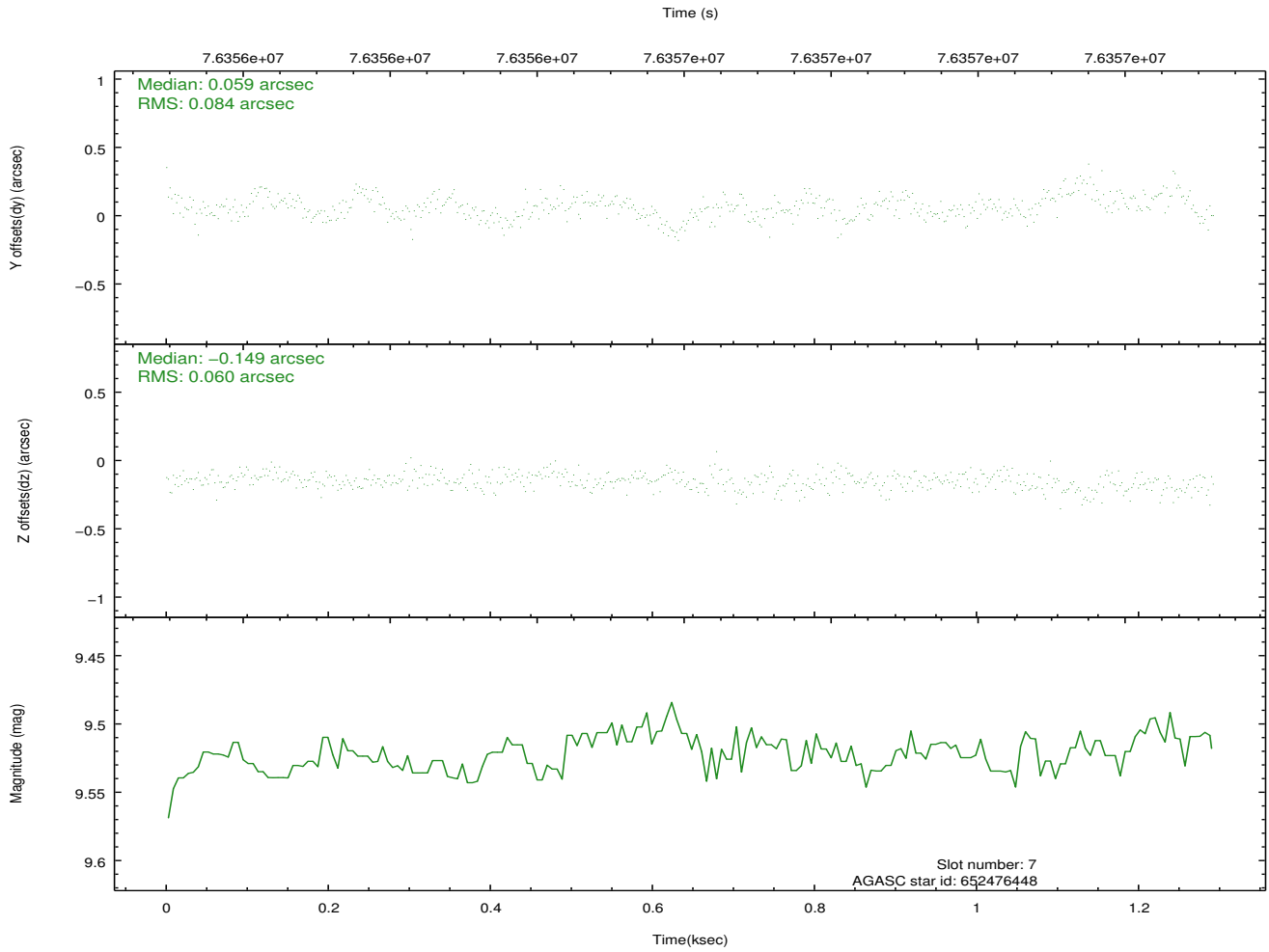
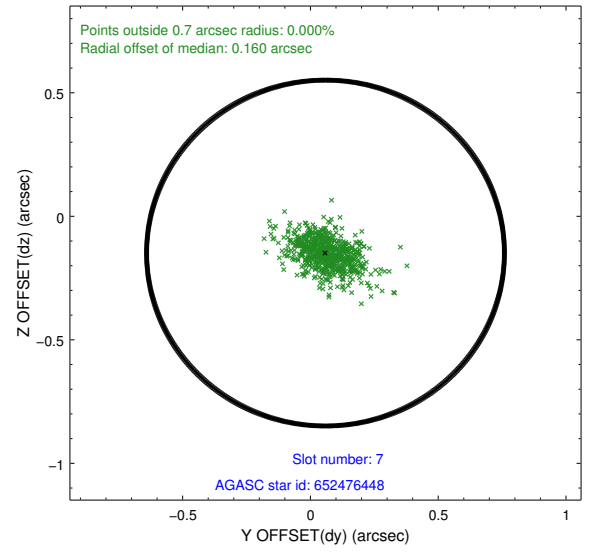
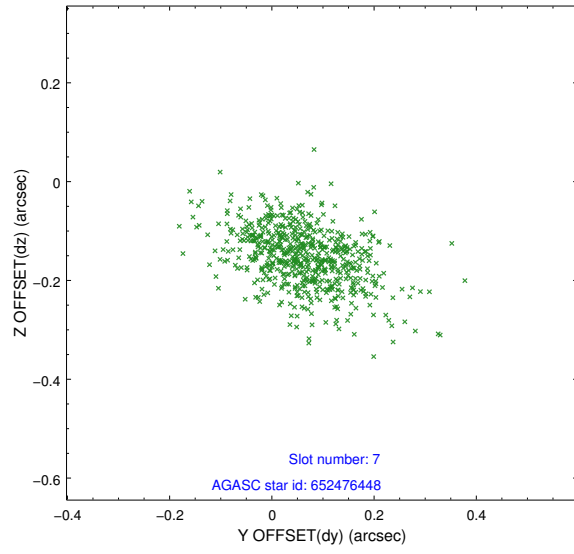
2.4.3 Slot 5



2.4.4 Slot 6

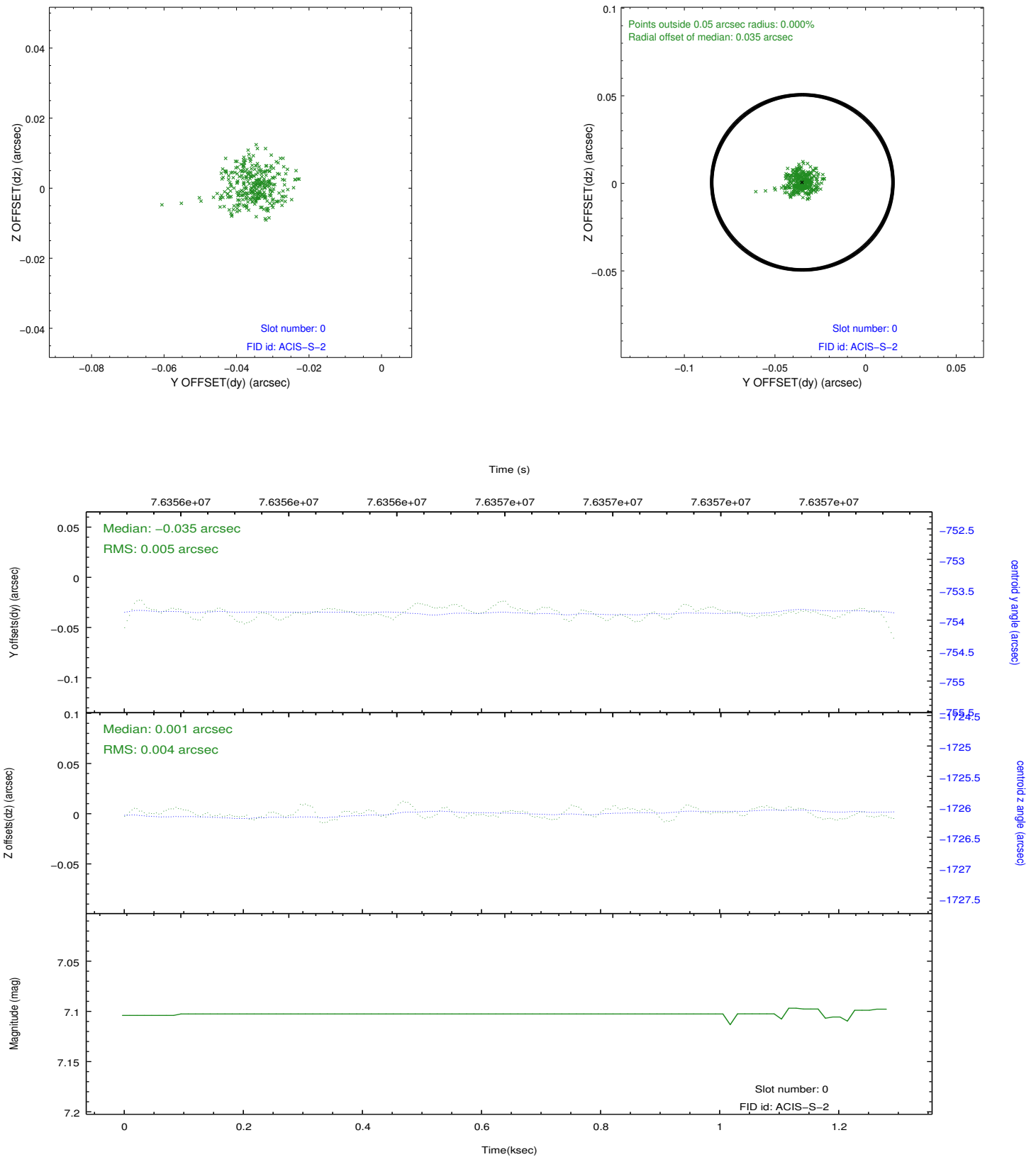


2.4.5 Slot 7

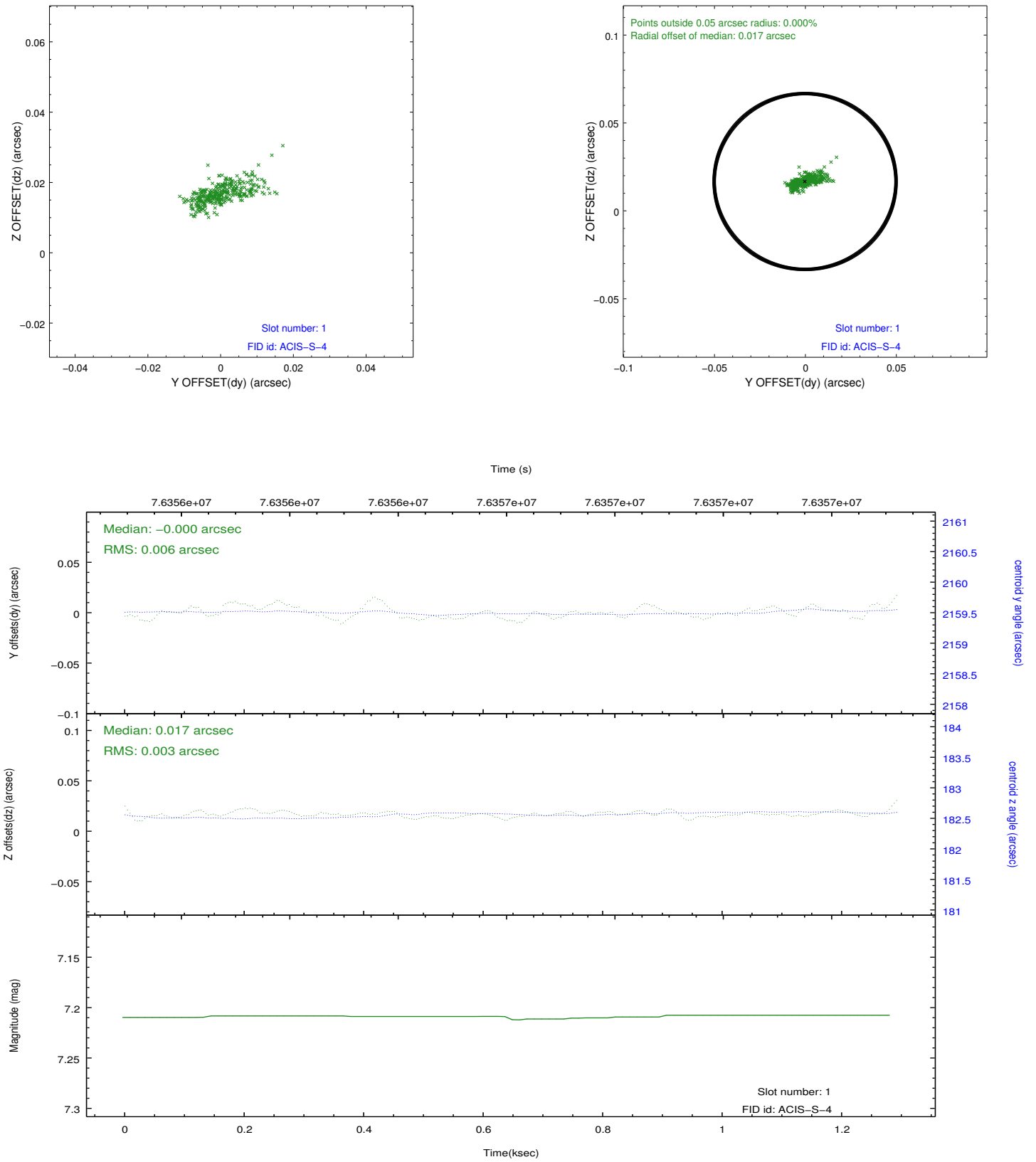


2.5 FID Slots

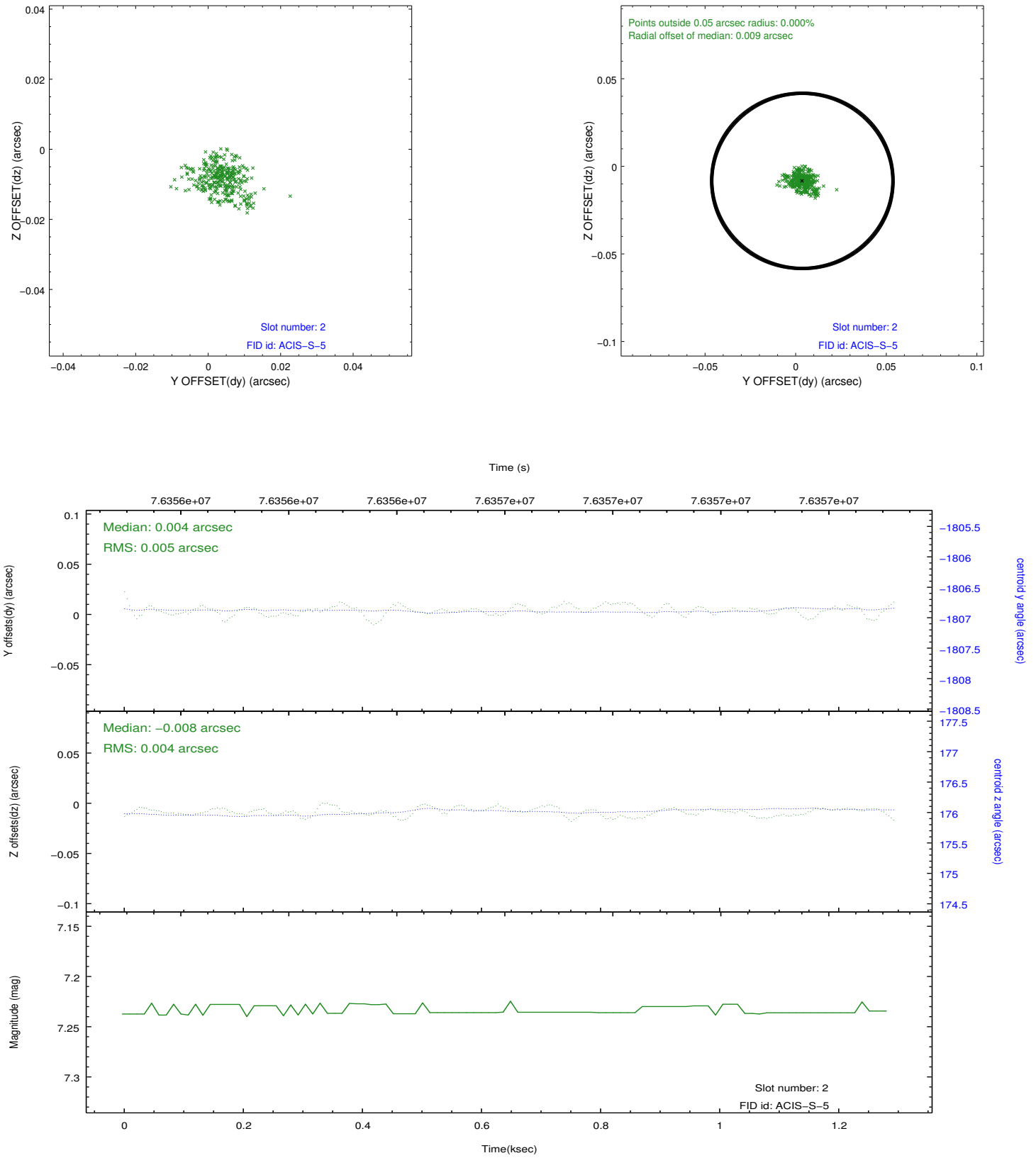
2.5.1 Slot 0



2.5.2 Slot 1



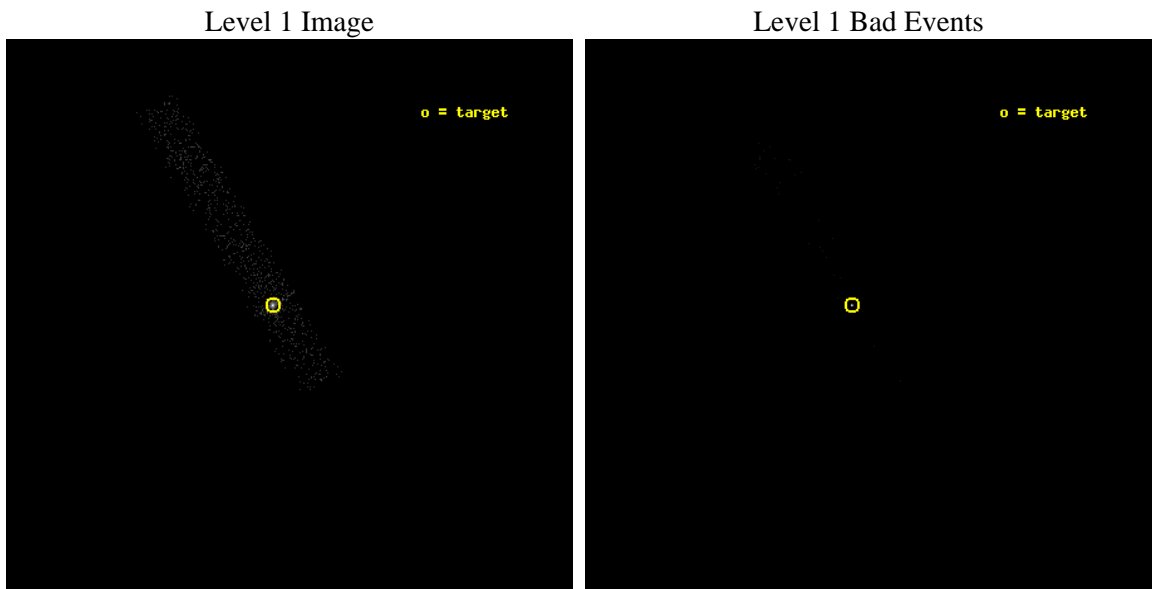
2.5.3 Slot 2



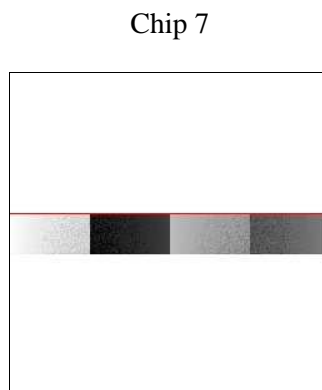
3 OBI Secondary

3.1 OBI

3.1.1 Images



3.1.2 Bias



3.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	785.46195495129	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	785.46195495129	Sum of GTIs [s]
date	2012-08-28T18:41:34	Date and time of file creation	l1events	3257	Number of level 1 events
revision	5	Processing version of data			

3.1.4 Events

	ccd 7
level 1 events	3257
rejected events	1325
rejected %	40%

	ccd 7
grade 0 events	283
	8%
grade 1 events	25
	0%
grade 2 events	445
	13%
grade 3 events	241
	7%
grade 4 events	218
	6%
grade 5 events	261
	8%
grade 6 events	980
	30%
grade 7 events	804
	24%

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.292

A.2 Comments