

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 359 - L2 Version 5
Chandra X-Ray Center

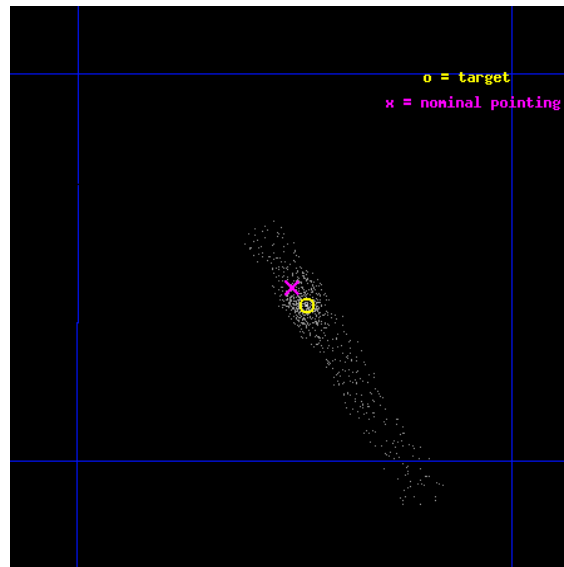
L2 Processing Date : Aug 24 2012

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1 Front

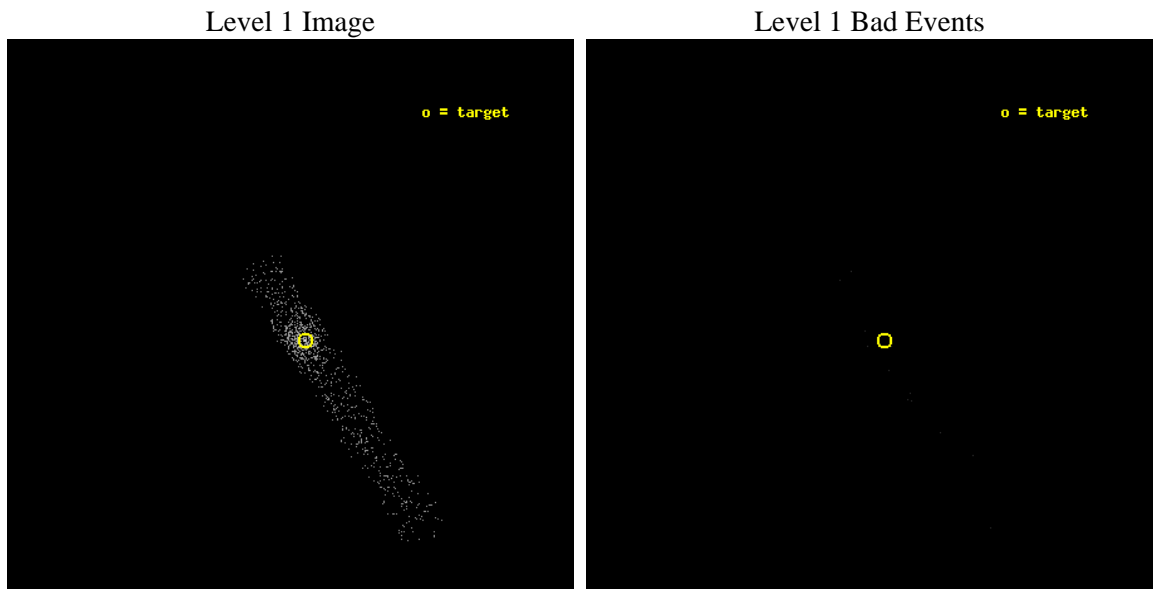
seq_num	700031	Sequence number
obs_id	359	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS	Proposal title
observer	Professor Andrew Wilson	Principal investigator
object	CYGNUS A	Source name
dtcycle	0	
cycle	P	events are from which exps? P[rimary] S[econdar
ra_targ	299.867917	Observer's specified target RA [deg]
dec_targ	40.733889	Observer's specified target Dec [deg]
ra_nom	299.87679795286	Nominal RA [deg]
dec_nom	40.741363433647	Nominal Dec [deg]
roll_nom	57.827261744369	Nominal Roll [deg]
revision	5	Processing version of data
ontime	922.32710254192	Sum of GTIs [s]
livetime	161.81177237578	Livetime [s]
ontime7	922.32710254192	Sum of GTIs [s]
l2events	841	Number of level 2 events



2 OBI Primary

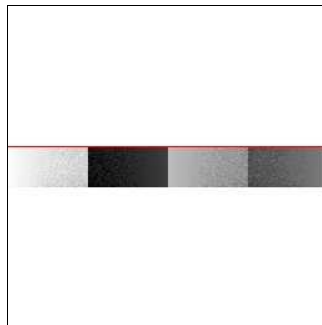
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	922.32710254192	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	922.32710254192	Sum of GTIs [s]
date	2012-08-24T04:30:48	Date and time of file creation	l1events	1097	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

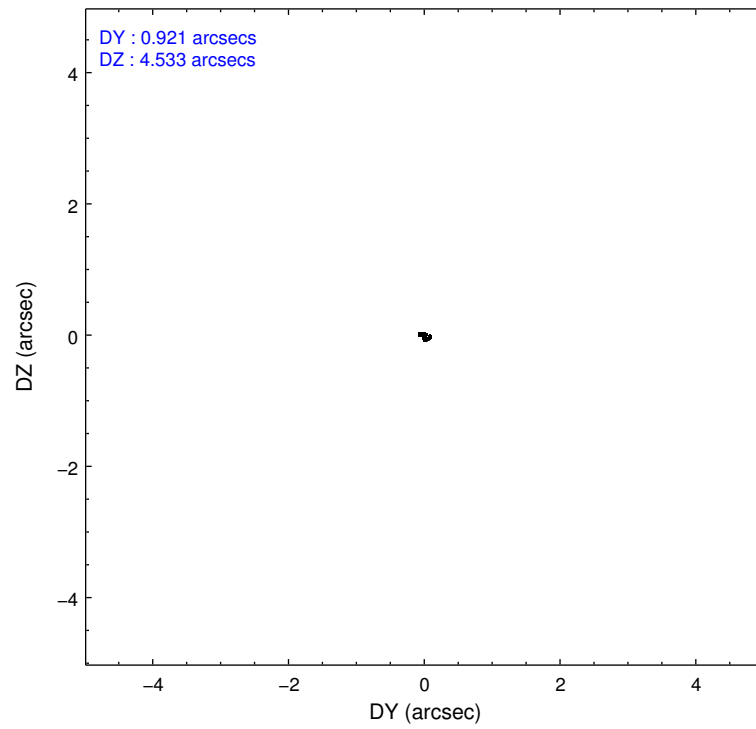
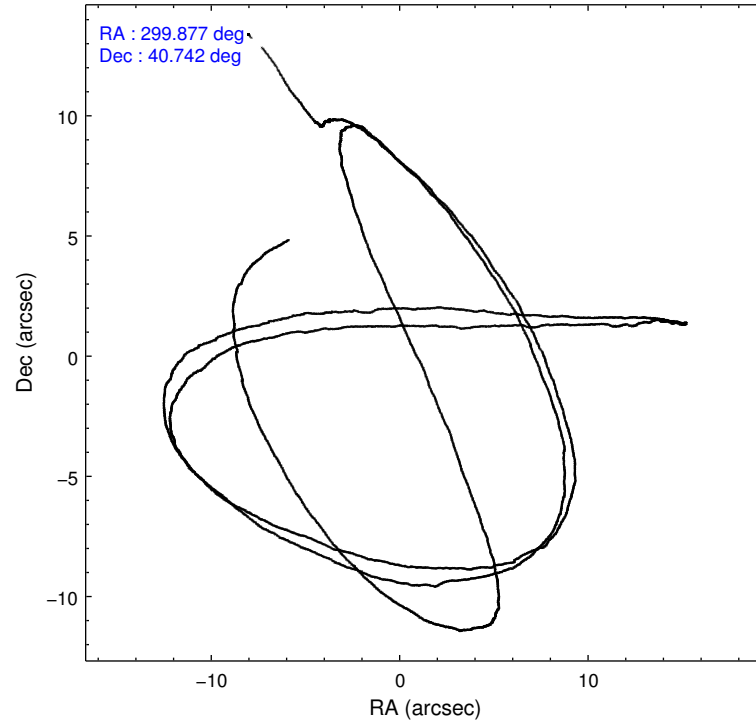
	ccd 7
level 1 events	1097
rejected events	240
rejected %	21%

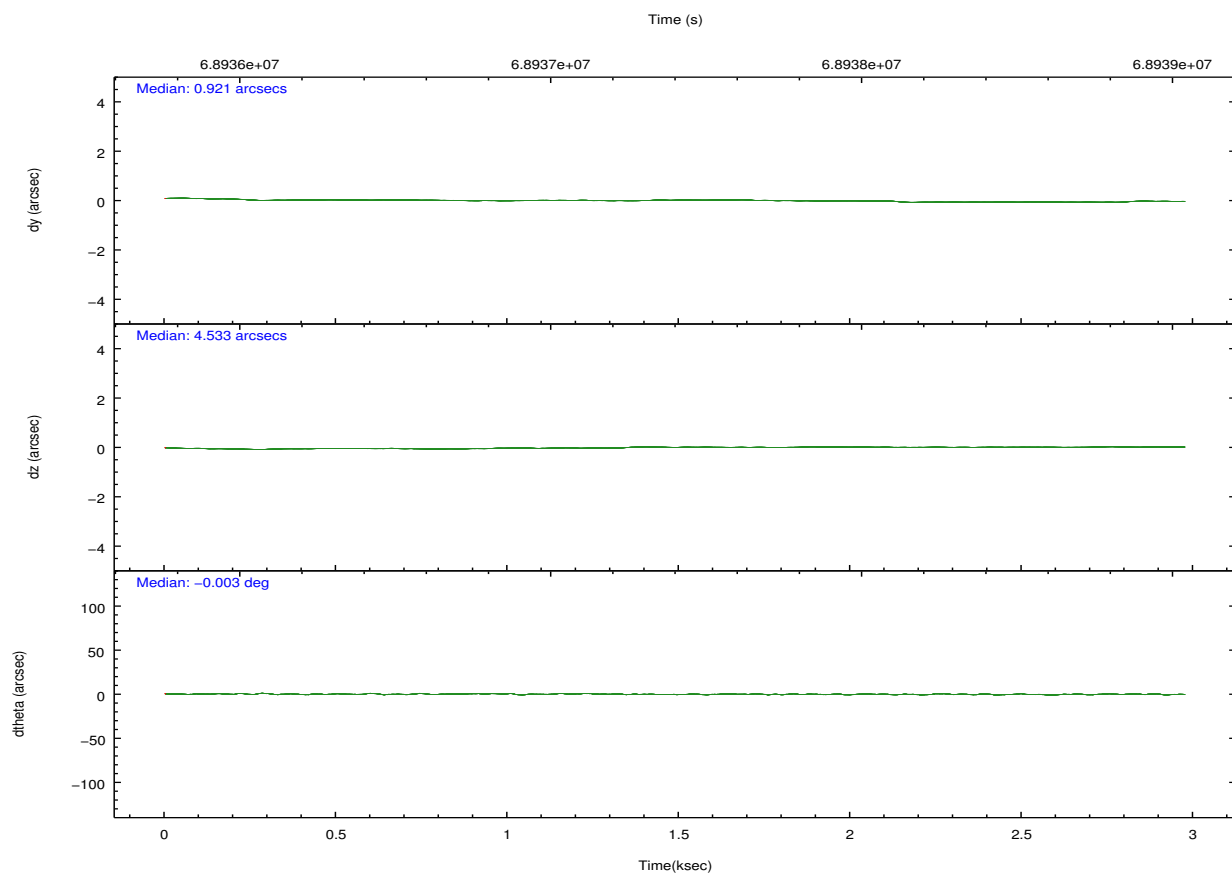
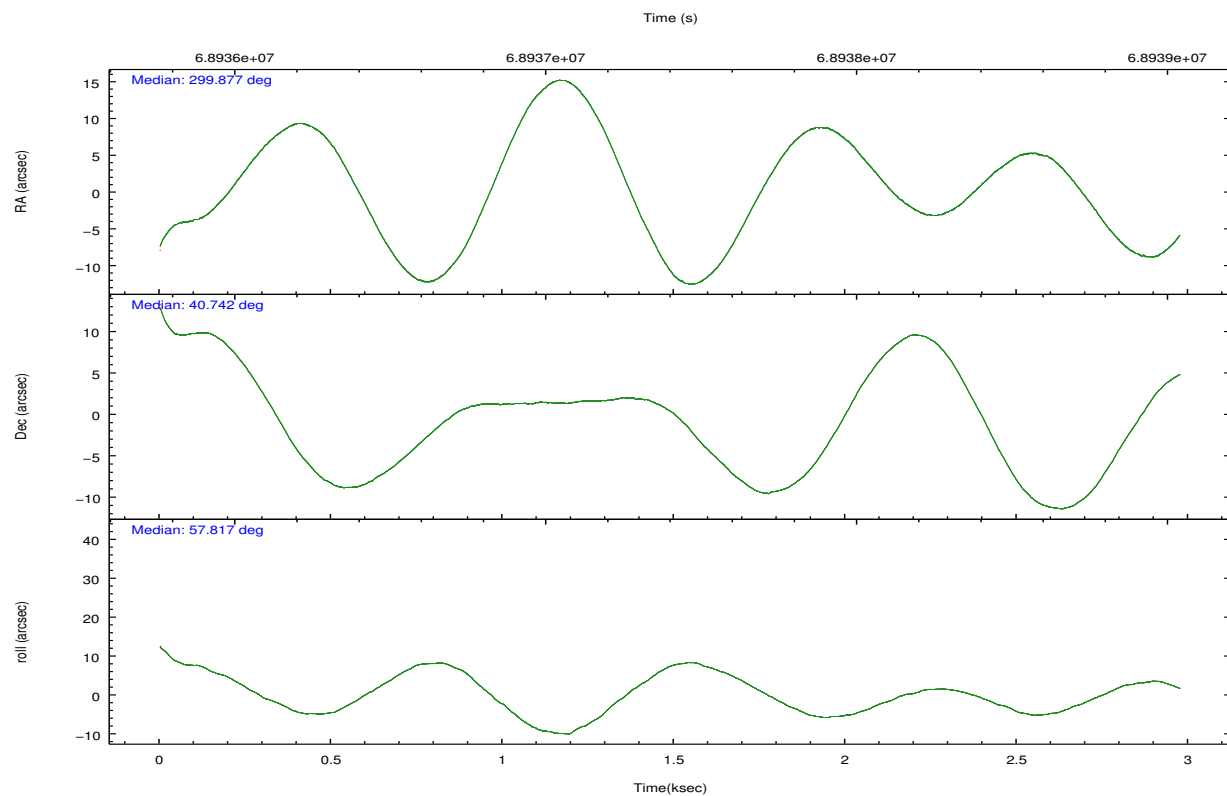
	ccd 7
grade 0 events	199
	18%
grade 1 events	1
	0%
grade 2 events	215
	19%
grade 3 events	116
	10%
grade 4 events	103
	9%
grade 5 events	44
	4%
grade 6 events	224
	20%
grade 7 events	195
	17%

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	299.875603	299.8767979528648	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	40.713837	40.74136343364729	Subarray start row	447	447
[deg] Pointing Roll	57.671407	57.82726174436947	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	Y	Y
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.100000	0.1
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	[s] Secondary exposure time	0.400000	0.4
[mm] SIM translation stage offset	0	0.00754346686406393	Duty cycle	2	2
[s] Observation start time (MET)	68936390.184000	68935098.115217			
Observation start date	2000-03-08T20:58:46	2000-03-08T20:38:18			
[s] Observation end time (MET)	68938890.184000	68939692.16538499			
Observation end date	2000-03-08T21:40:26	2000-03-08T21:54:52			
Read mode	TIMED	TIMED			

2.3 Aspect



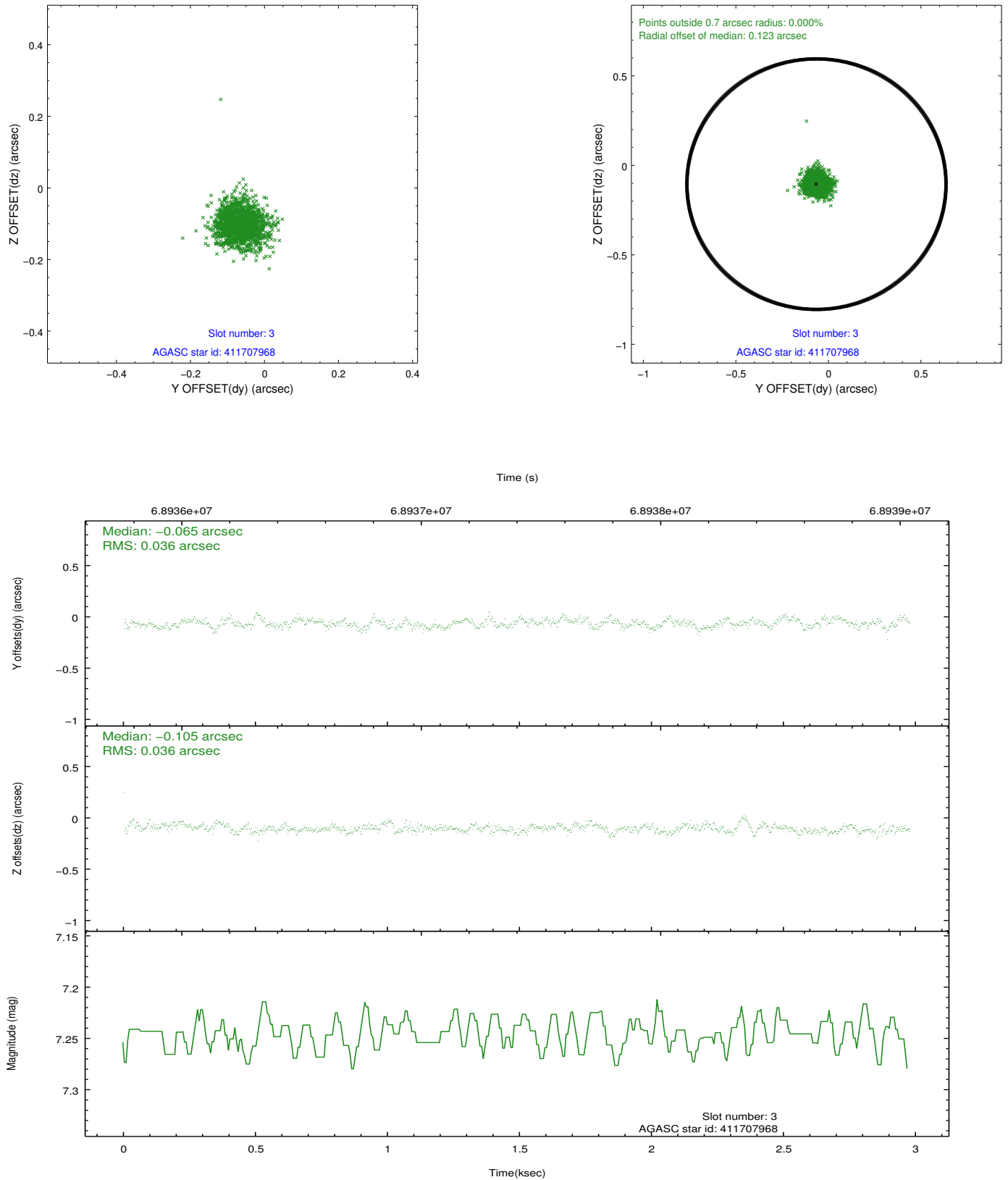


Slot Statistics

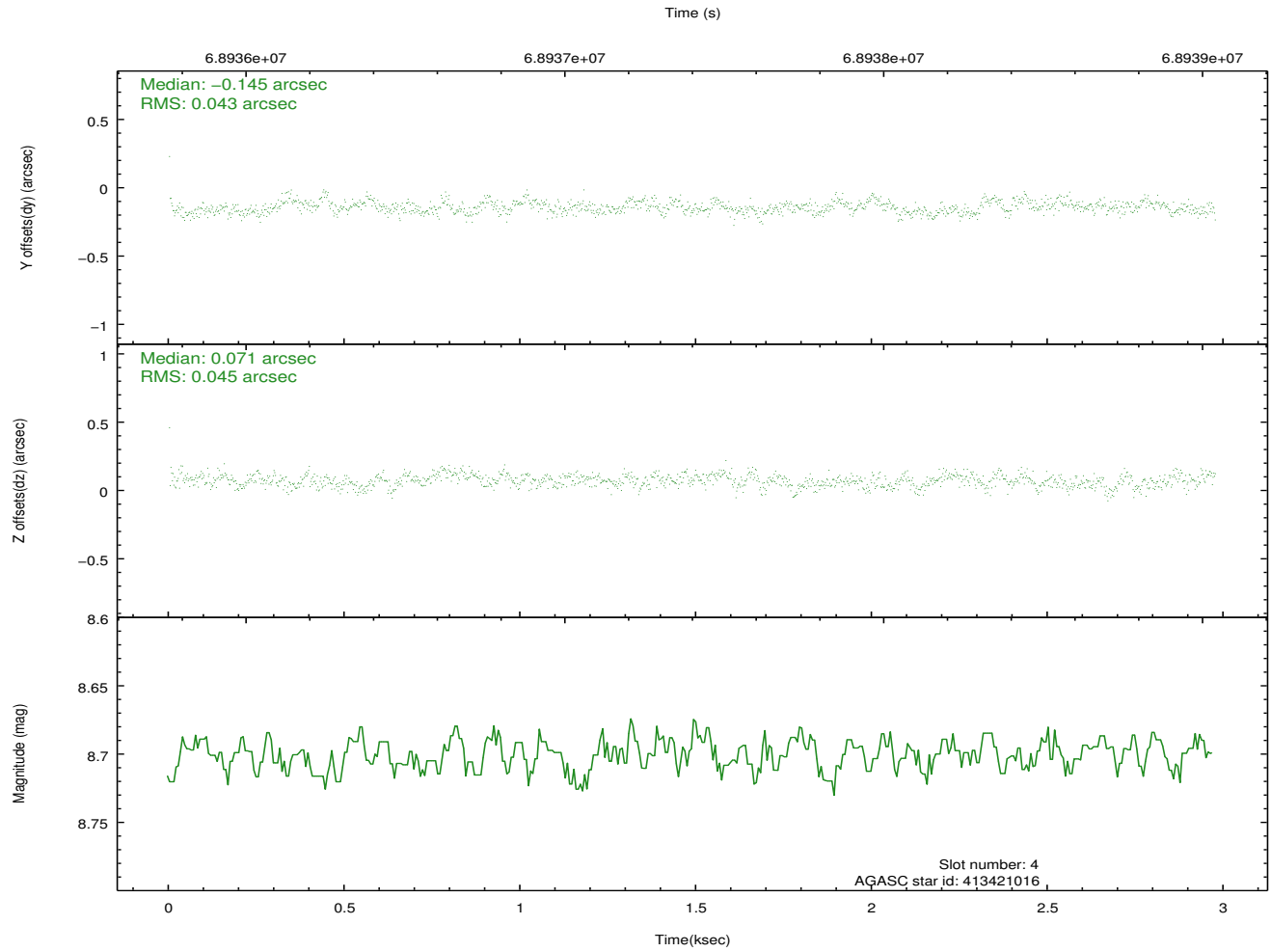
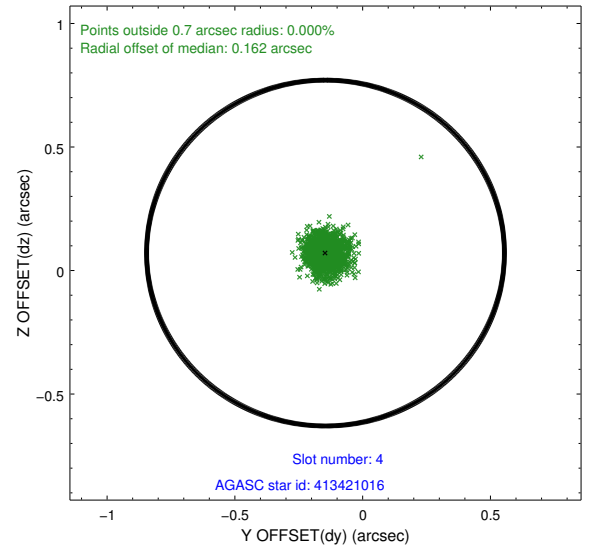
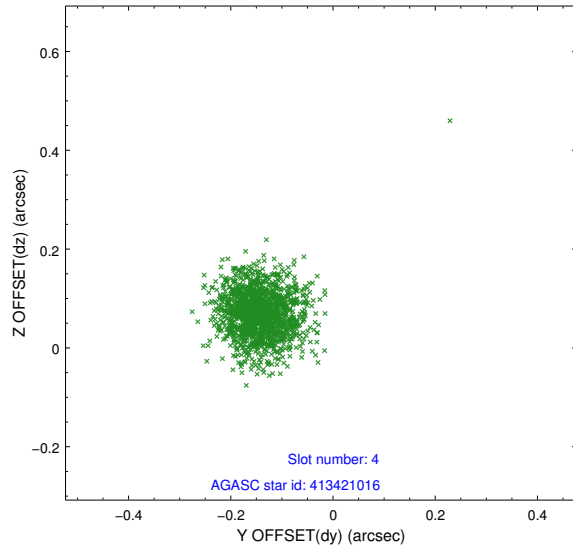
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	726	-0.020	-0.004	0.006	0.011	0.000000	0.000000	-753.54	-1725.61
1	FID	ACIS-S-4	7.21	726	0.003	0.011	0.006	0.010	0.000000	0.000000	2158.81	180.64
2	FID	ACIS-S-5	7.23	726	-0.014	0.002	0.006	0.010	0.000000	0.000000	-1803.58	176.79
3	GUIDE	411707968	7.25	1452	-0.065	-0.105	0.054	0.085	299.509933	40.926839	117.87	1250.82
4	GUIDE	413421016	8.70	1451	-0.145	0.071	0.065	0.106	300.612426	40.446254	273.36	-2216.09
5	GUIDE	411701808	8.83	1452	0.003	-0.074	0.062	0.099	299.419536	40.880184	-154.81	1368.58
6	GUIDE	413418680	9.30	1452	0.021	0.203	0.111	0.183	300.860298	40.740057	1529.52	-2210.32
7	GUIDE	411708512	9.56	1451	0.174	-0.099	0.134	0.201	298.830926	40.499291	-2166.46	2009.85

2.4 Star Slots

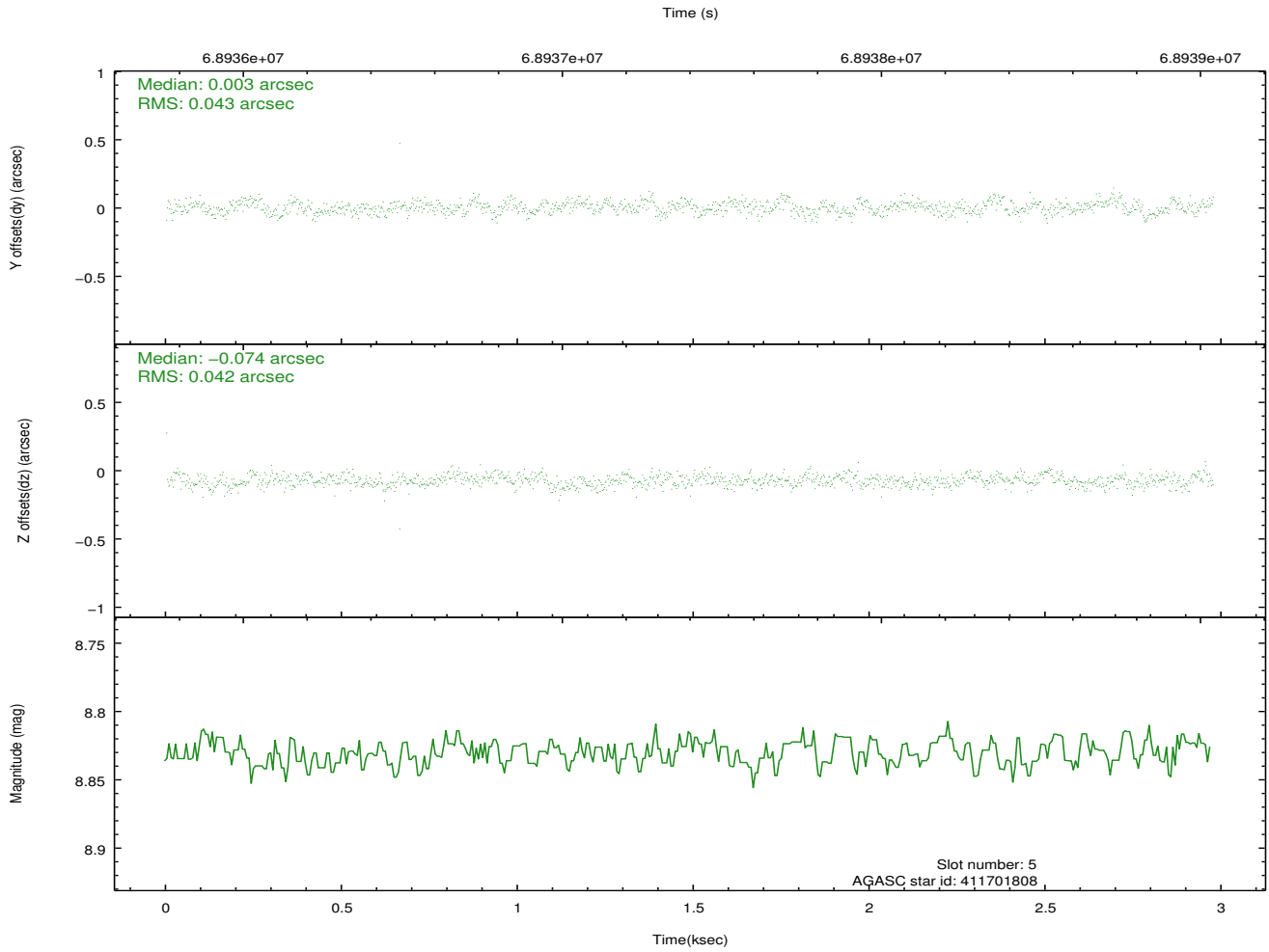
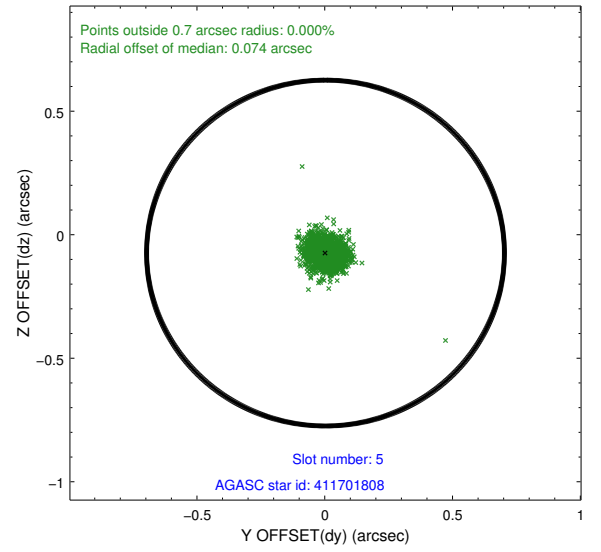
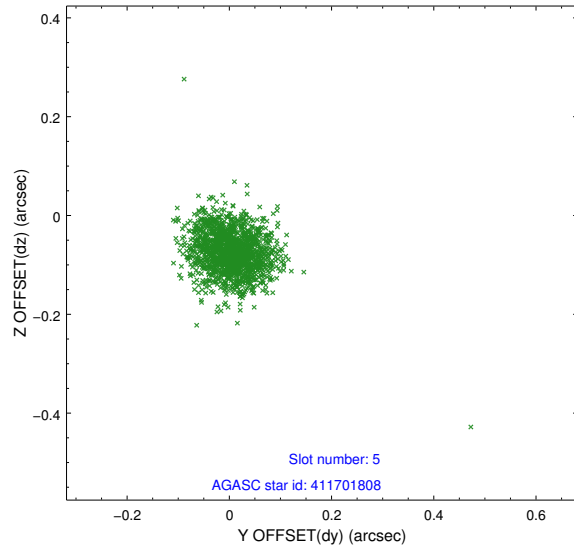
2.4.1 Slot 3



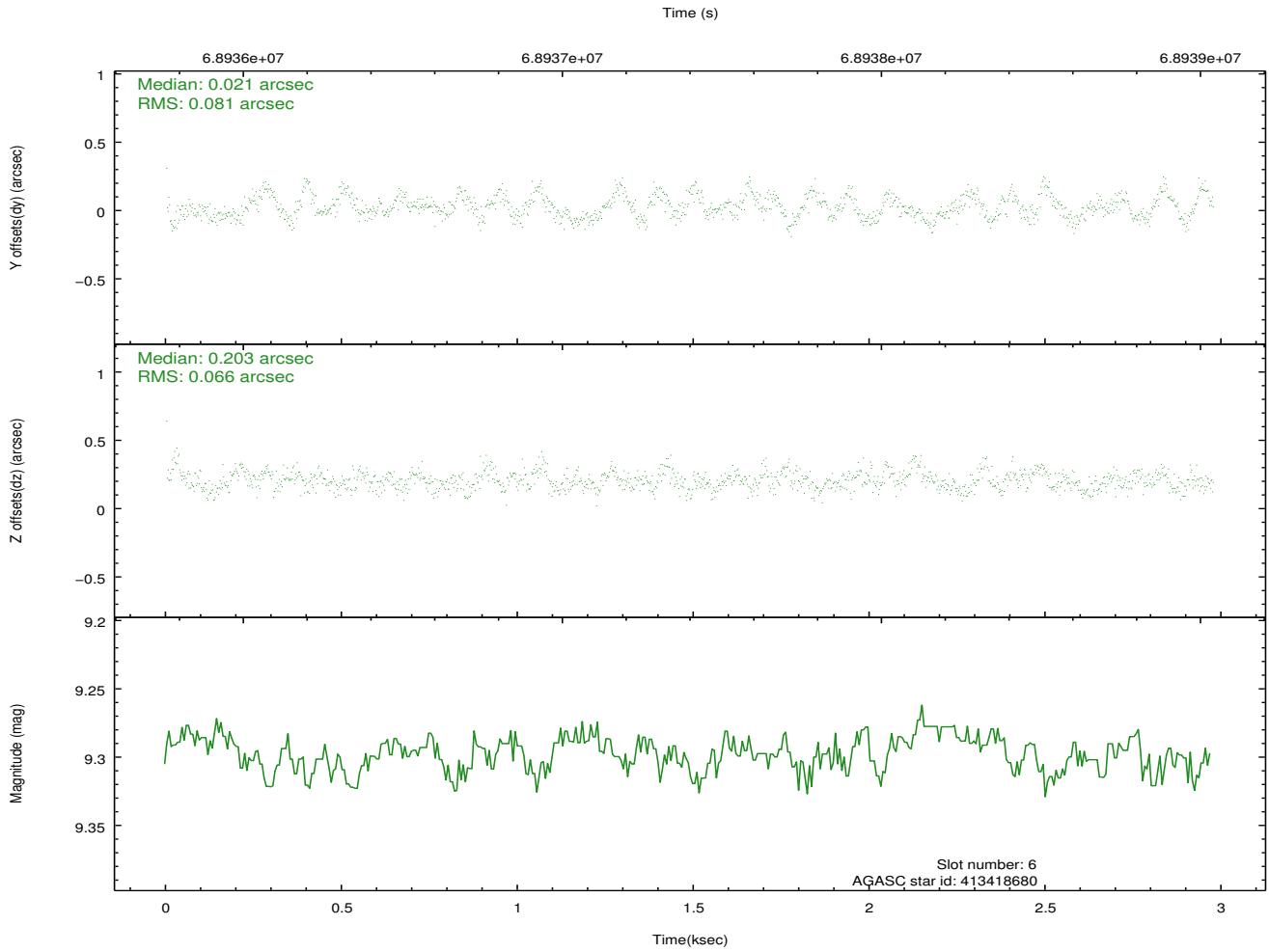
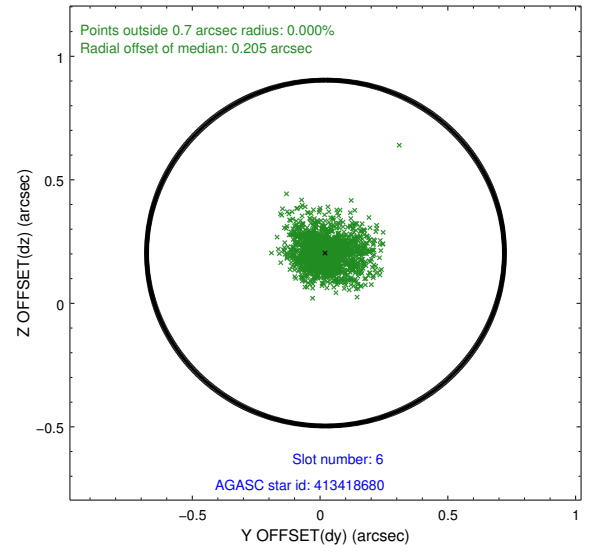
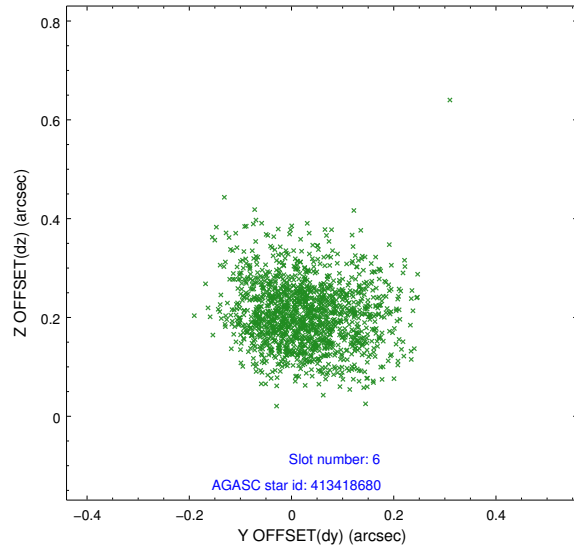
2.4.2 Slot 4



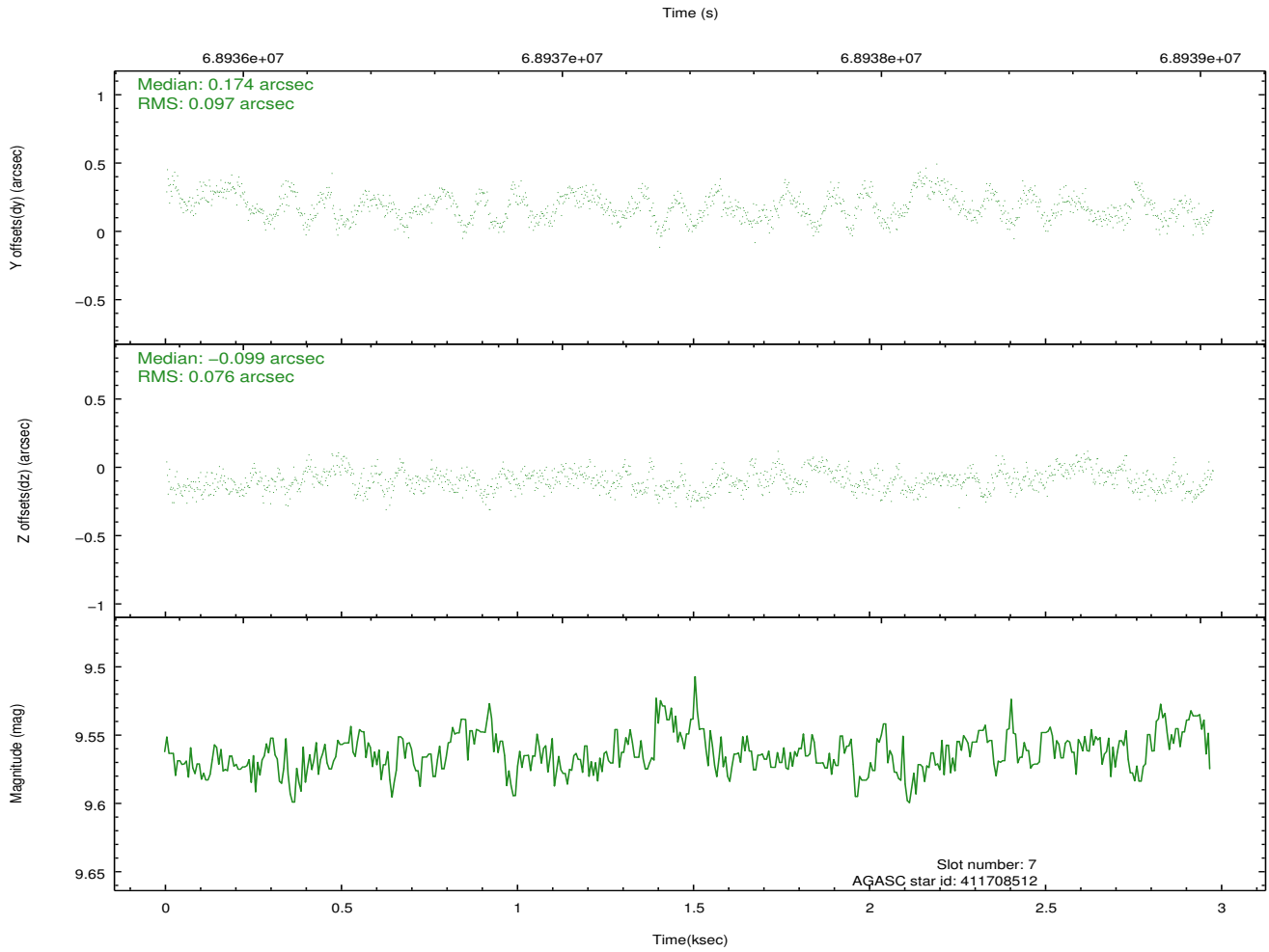
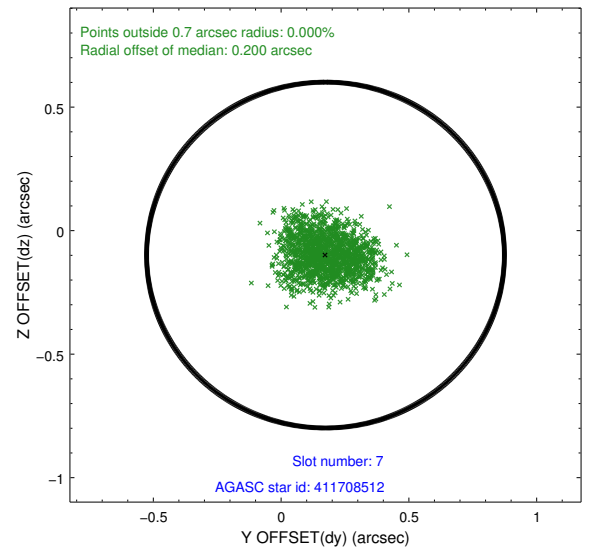
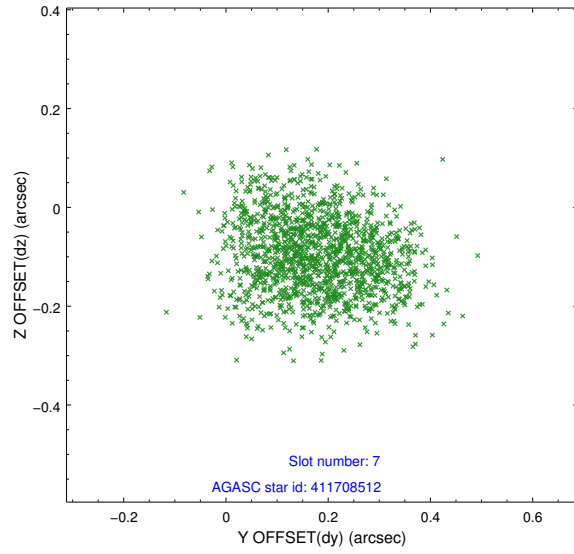
2.4.3 Slot 5



2.4.4 Slot 6

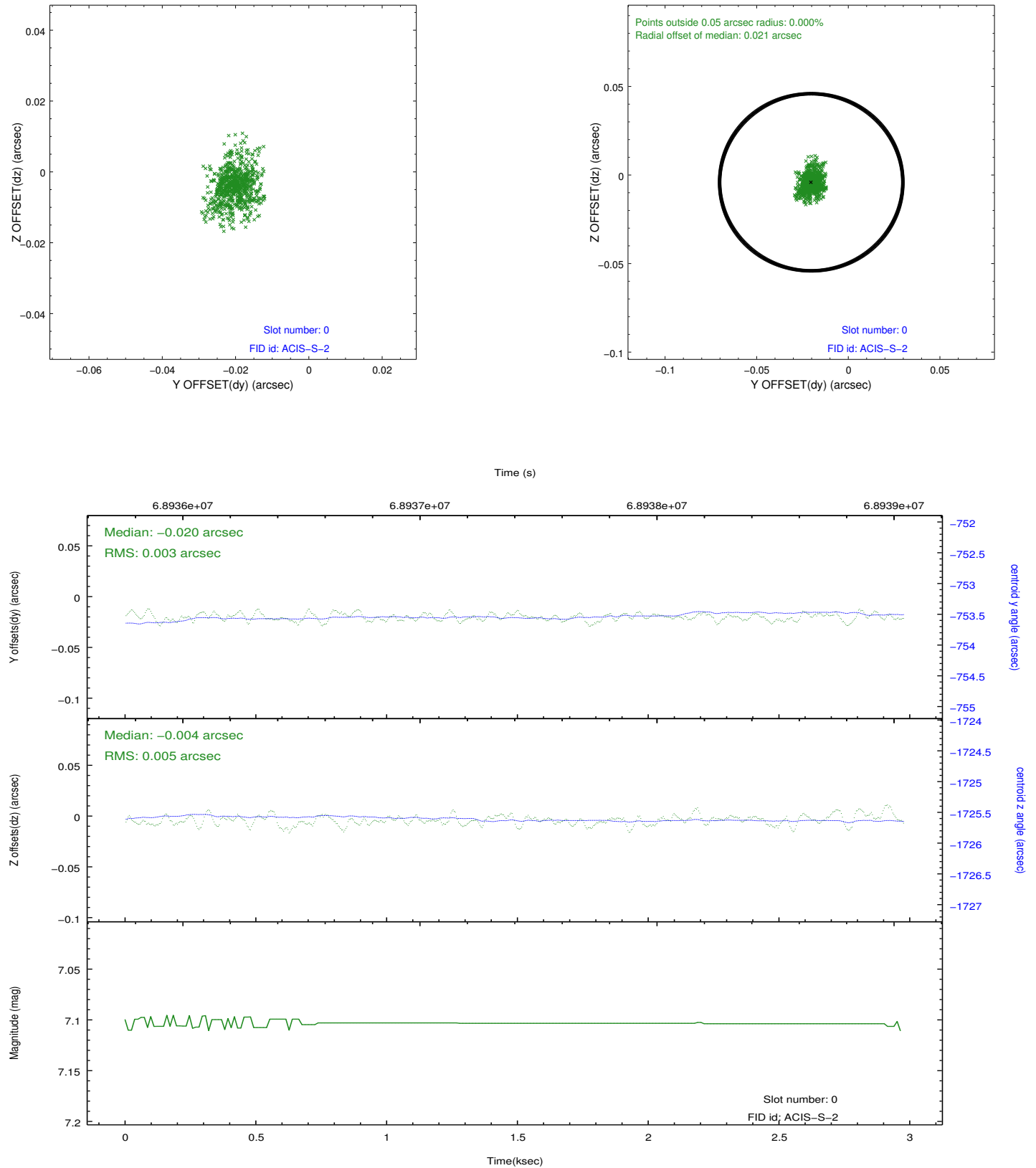


2.4.5 Slot 7

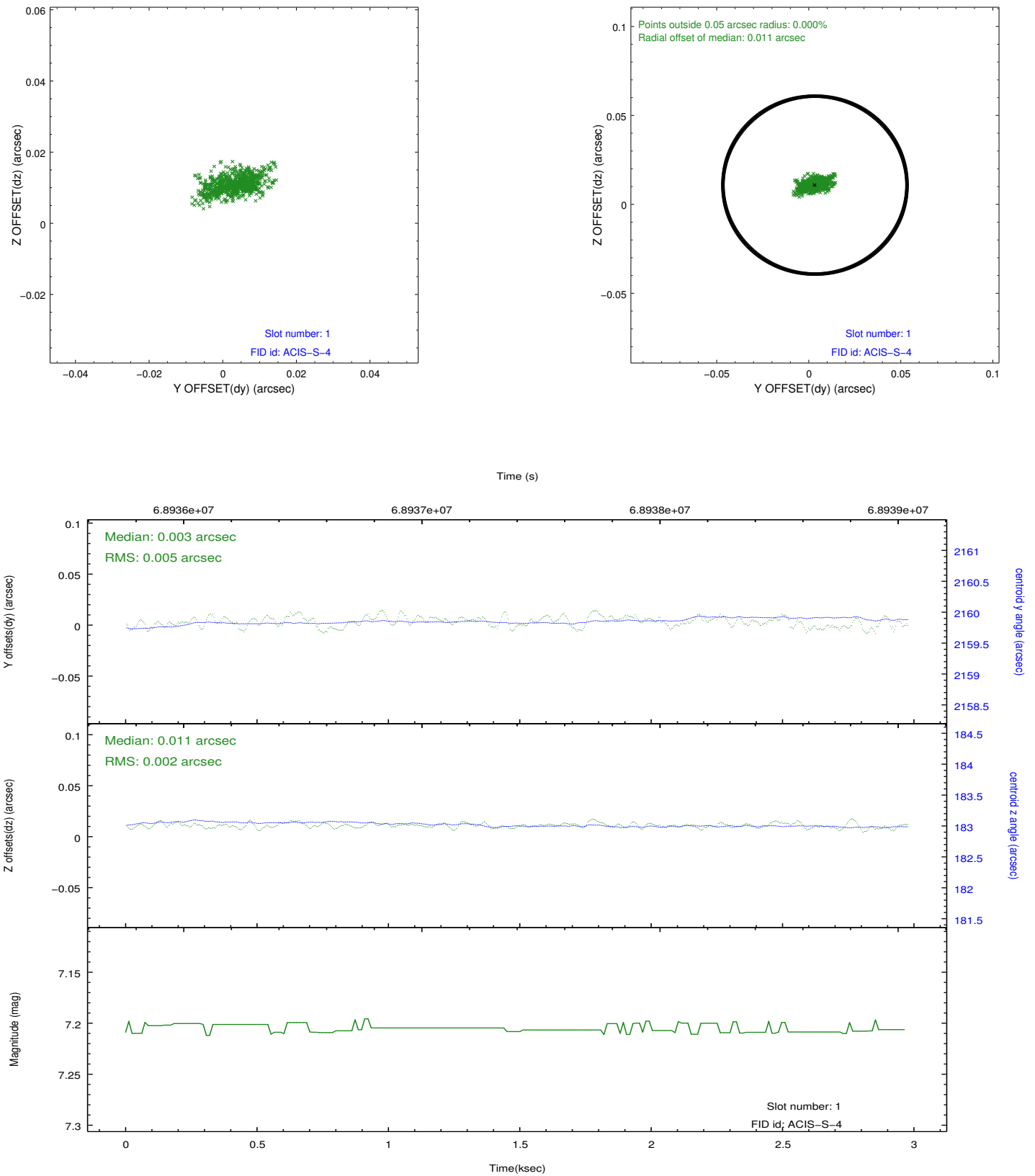


2.5 FID Slots

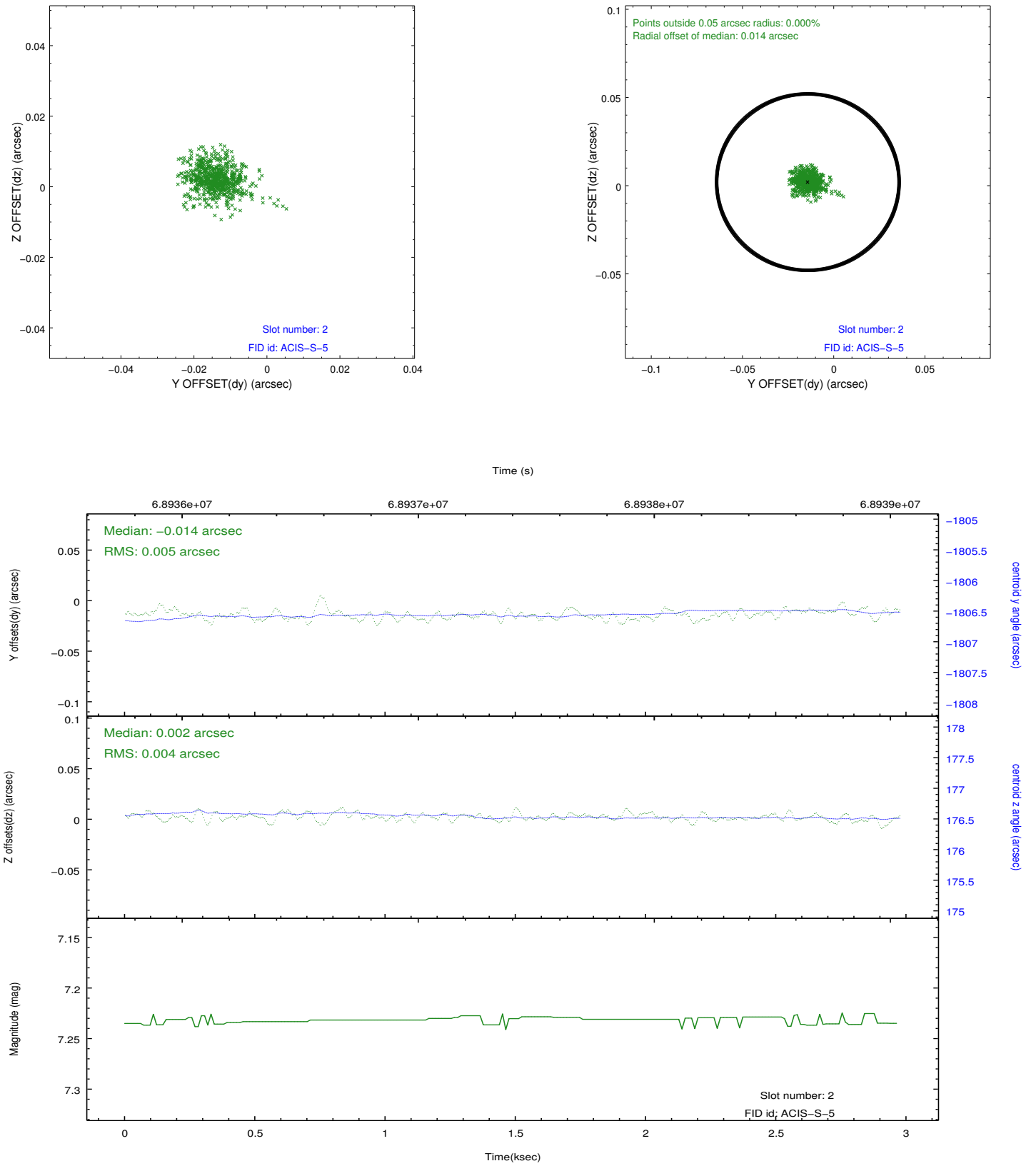
2.5.1 Slot 0



2.5.2 Slot 1



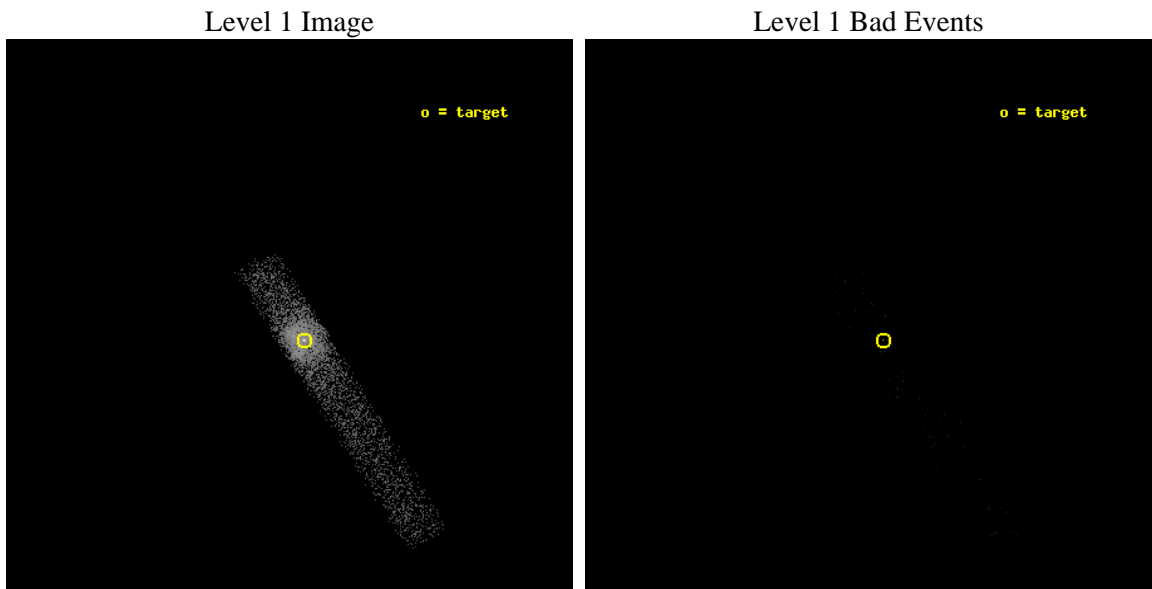
2.5.3 Slot 2



3 OBI Secondary

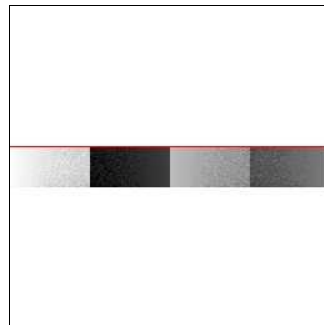
3.1 OBI

3.1.1 Images



3.1.2 Bias

Chip 7



3.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1427.2625850141	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	1427.2625850141	Sum of GTIs [s]
date	2012-08-24T04:30:59	Date and time of file creation	l1events	6900	Number of level 1 events
revision	5	Processing version of data			

3.1.4 Events

	ccd 7
level 1 events	6900
rejected events	865
rejected %	12%

	ccd 7
grade 0 events	1412
	20%
grade 1 events	5
	0%
grade 2 events	1559
	22%
grade 3 events	707
	10%
grade 4 events	722
	10%
grade 5 events	186
	2%
grade 6 events	1638
	23%
grade 7 events	671
	9%

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.35

A.2 Comments