

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2859 - L2 Version 001
Chandra X-Ray Center

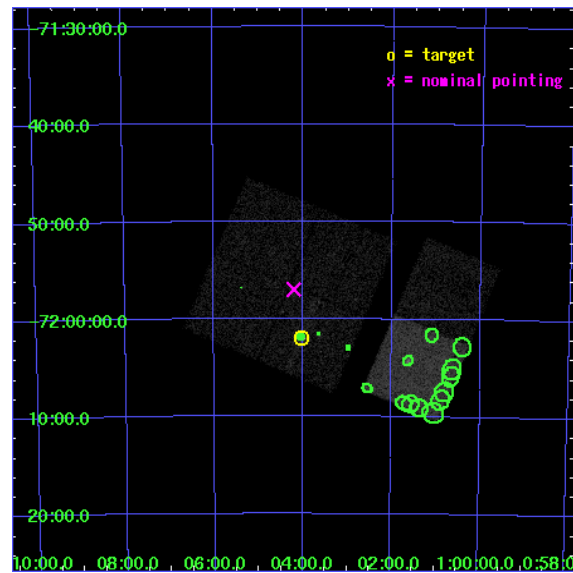
L2 Processing Date : Sep 20 2006

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1 Front

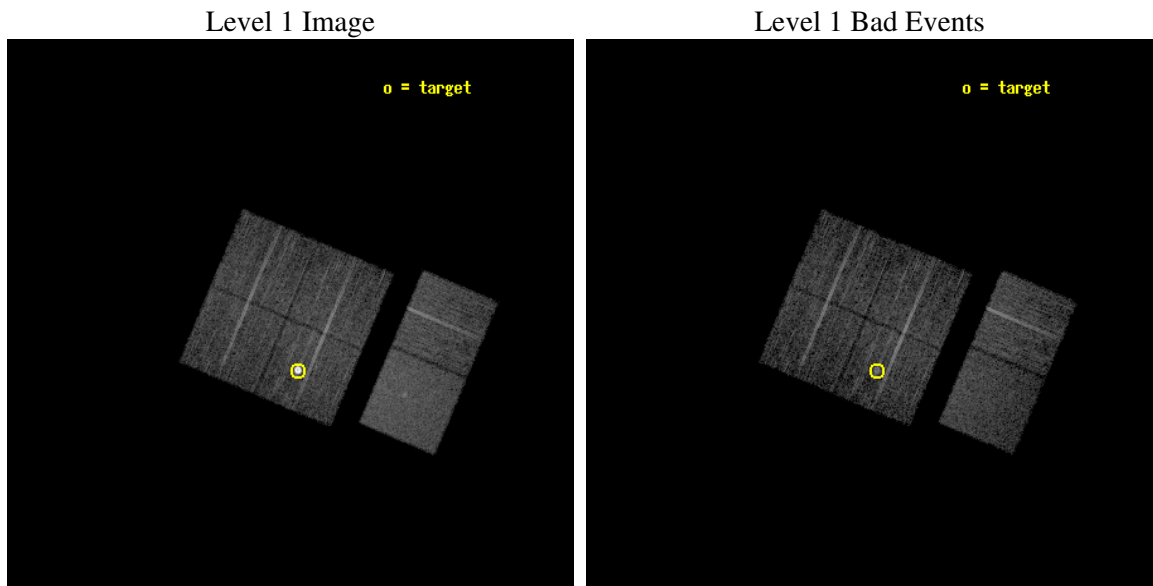
seq_num	590248
obs_id	2859
title	AO3B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I3, T=120, Offsets=-4,2,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.050871932713
dec_nom	-71.949823571041
roll_nom	112.94715131748
revision	2
ontime	7657.5999714732
livetime	7560.6348297813
ontime0	7657.5999714732
ontime1	7657.5999714732
ontime2	7657.5999714732
ontime3	7657.5999714732
ontime6	7657.5999714732
ontime7	7657.5999714732
l2events	74429



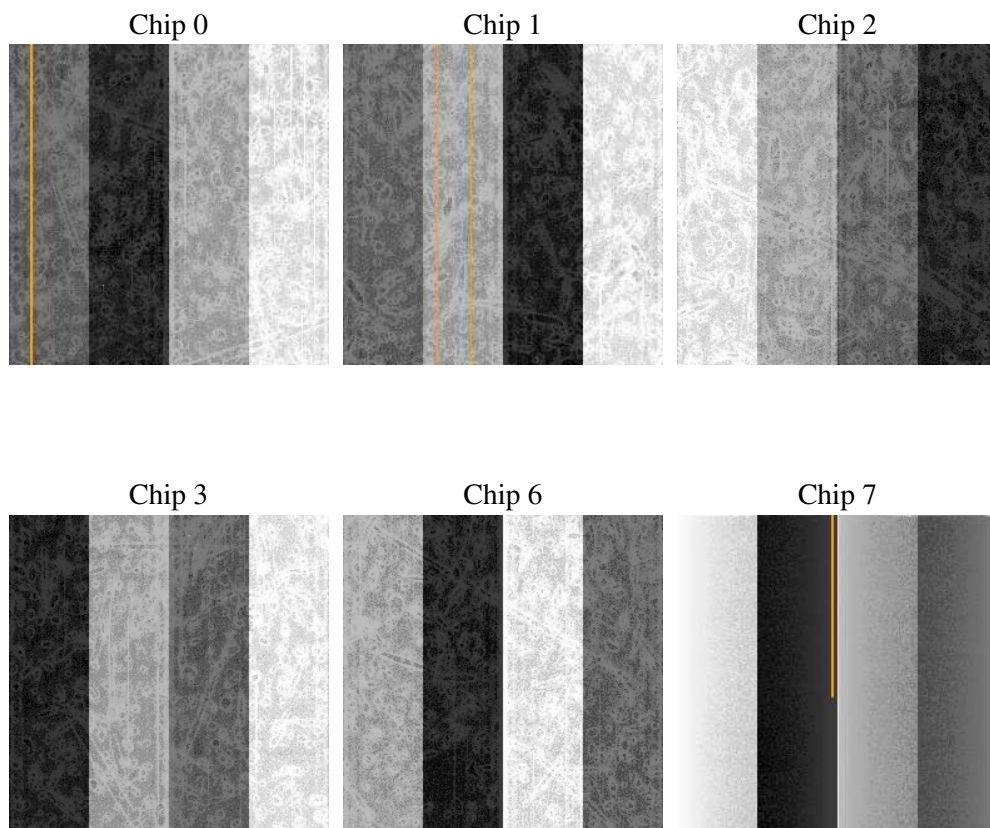
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-20T22:34:55
revision	2

sched_exp_time	7900.000000
ontime	7664.9667137861
ontime0	7664.9667137861
ontime1	7664.9666938484
ontime2	7664.9667137861
ontime3	7664.9667137861
ontime6	7664.9667137861
ontime7	7664.9666938484
llevents	334492

2.1.4 Events

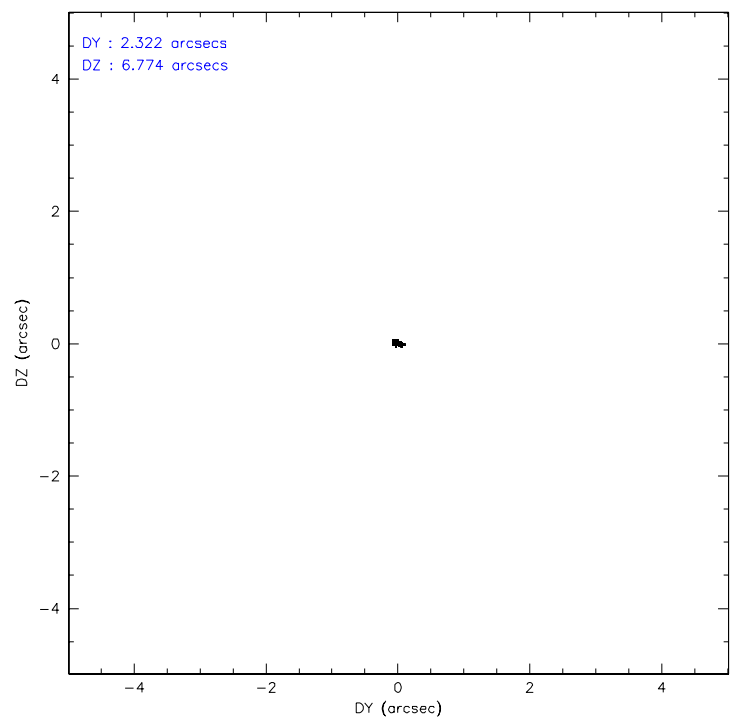
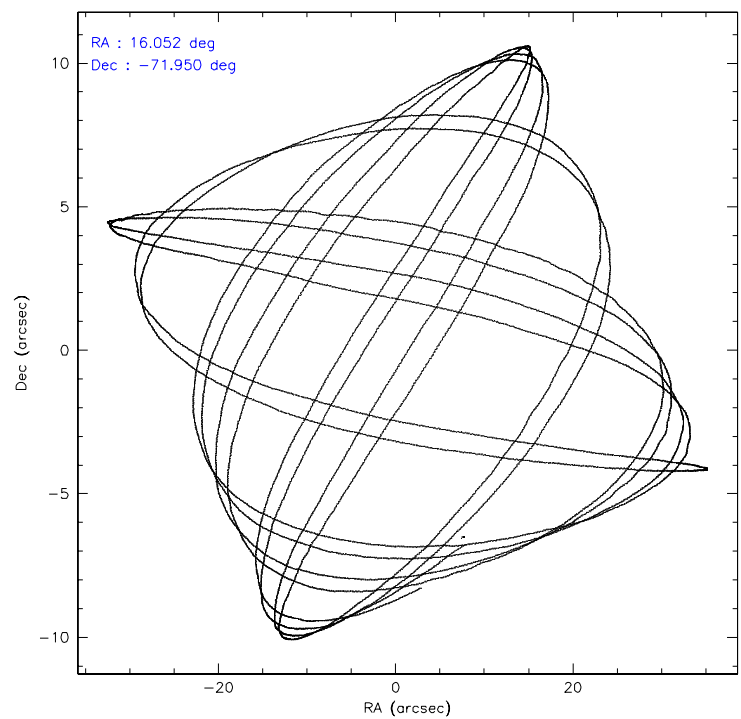
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46325	43934	49046	75477	54219	65491
rejected events	40420	37882	43159	44051	48206	40255
rejected %	87%	86%	87%	58%	88%	61%

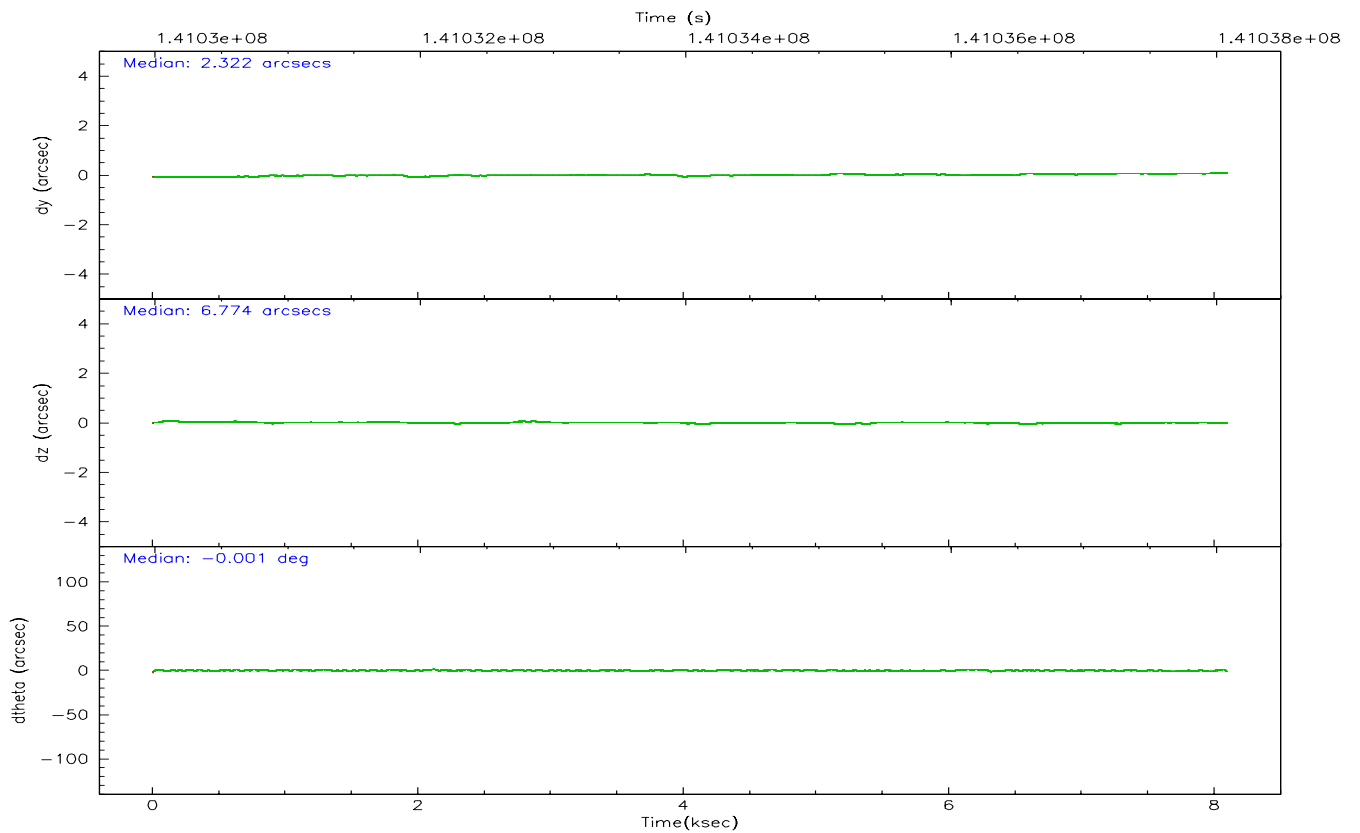
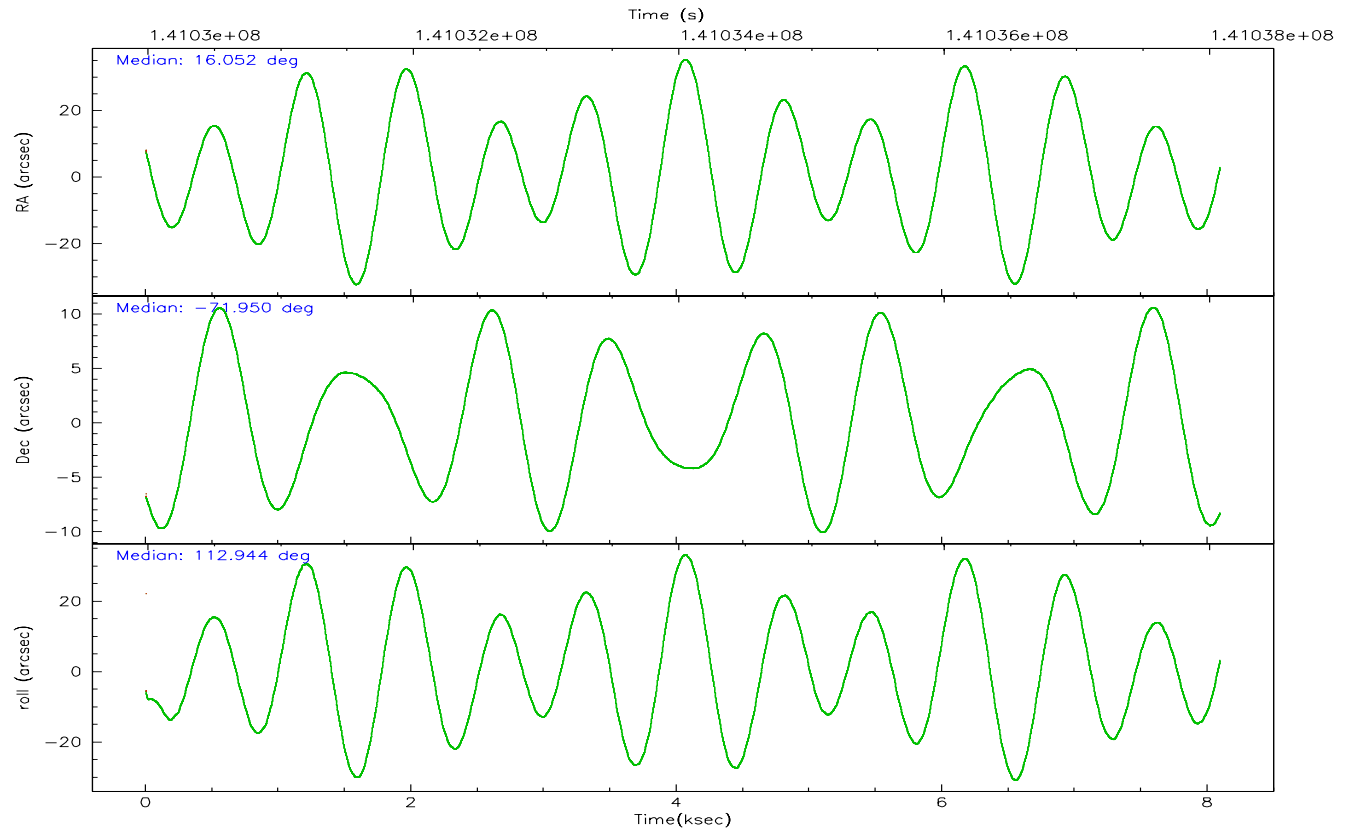
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2441	2541	2488	25353	2485	1699
	5%	5%	5%	33%	4%	2%
grade 1 events	23	24	18	249	22	37
	0%	0%	0%	0%	0%	0%
grade 2 events	1319	1224	1215	2987	1236	6194
	2%	2%	2%	3%	2%	9%
grade 3 events	570	580	540	950	534	1325
	1%	1%	1%	1%	0%	2%
grade 4 events	527	573	542	980	514	1328
	1%	1%	1%	1%	0%	2%
grade 5 events	1775	1958	1745	2038	2257	4444
	3%	4%	3%	2%	4%	6%
grade 6 events	1051	1140	1107	1178	1252	14716
	2%	2%	2%	1%	2%	22%
grade 7 events	38619	35894	41391	41742	45919	35748
	83%	81%	84%	55%	84%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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
Pointing RA	16.121848	16.05087193271339	Subarray requested	NONE	NONE
Pointing Dec	-71.966194	-71.94982357104064	Alternating exposures requested	N	N
Pointing Roll	112.805956	112.9471513174807	Primary exposure time	0.000000	3.2
Window start time	139276864.184000	139276864.184000			
Window stop time	141782464.184000	141782464.184000			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	141030183.184000	141029807.38708			
Observation start date	2002-06-21T07:01:59	2002-06-21T06:56:47			
Observation end time	141038083.184000	141038217.51243			
Observation end date	2002-06-21T09:13:39	2002-06-21T09:16:57			
Read mode	TIMED	TIMED			

2.3 Aspect



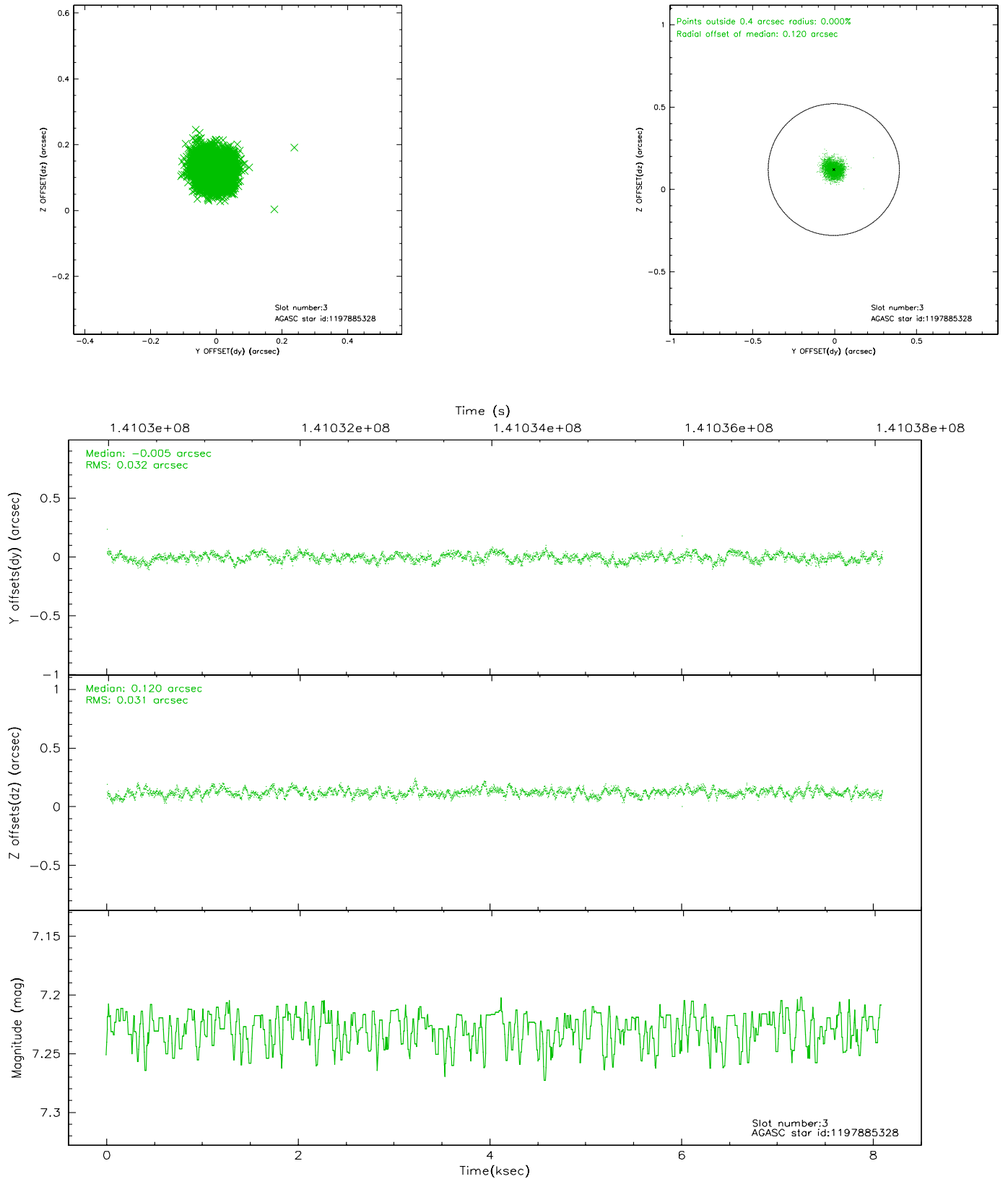


Slot Statistics

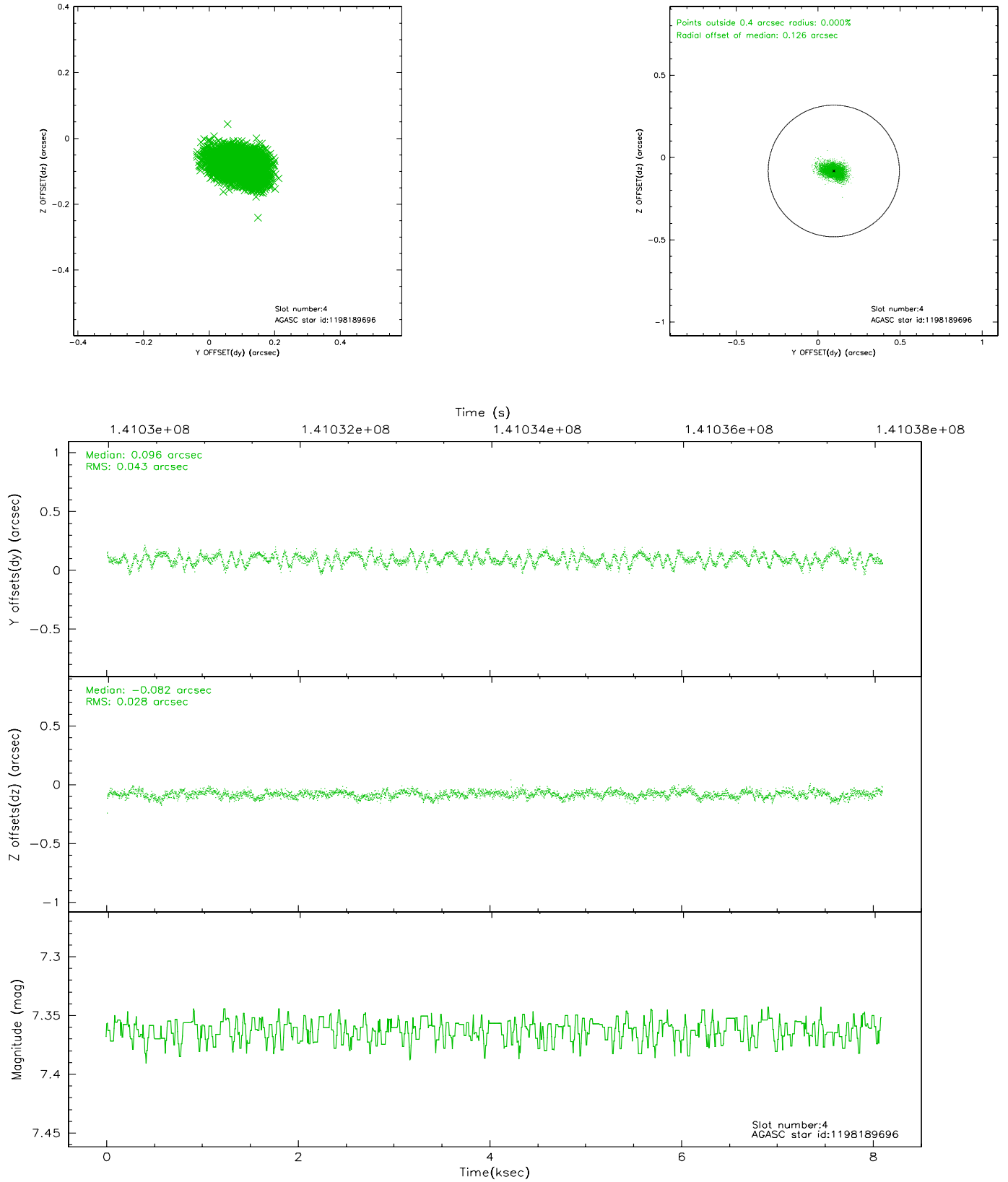
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1975	-0.026	0.043	0.006	0.010	0.000000	0.000000	937.44	-830.14
1	FID	ACIS-I-5	7.24	1975	-0.016	0.039	0.006	0.010	0.000000	0.000000	-1810.23	1067.06
2	FID	ACIS-I-6	7.26	1975	-0.050	-0.012	0.006	0.010	0.000000	0.000000	402.27	1712.25
3	GUIDE	1197885328	7.23	3949	-0.005	0.120	0.048	0.076	16.283090	-71.733943	700.83	-491.01
4	GUIDE	1198189696	7.36	3949	0.096	-0.082	0.054	0.088	15.223750	-72.697522	-2060.03	1910.17
5	GUIDE	1197750936	7.57	3948	-0.065	-0.117	0.059	0.093	15.387940	-71.549550	1702.16	192.69
6	GUIDE	1197884712	8.30	3948	0.051	-0.032	0.064	0.107	16.087398	-72.252690	-934.89	435.38
7	GUIDE	1197878768	9.62	3947	-0.074	0.111	0.101	0.164	16.656786	-71.304581	1954.52	-1490.16

2.4 Star Slots

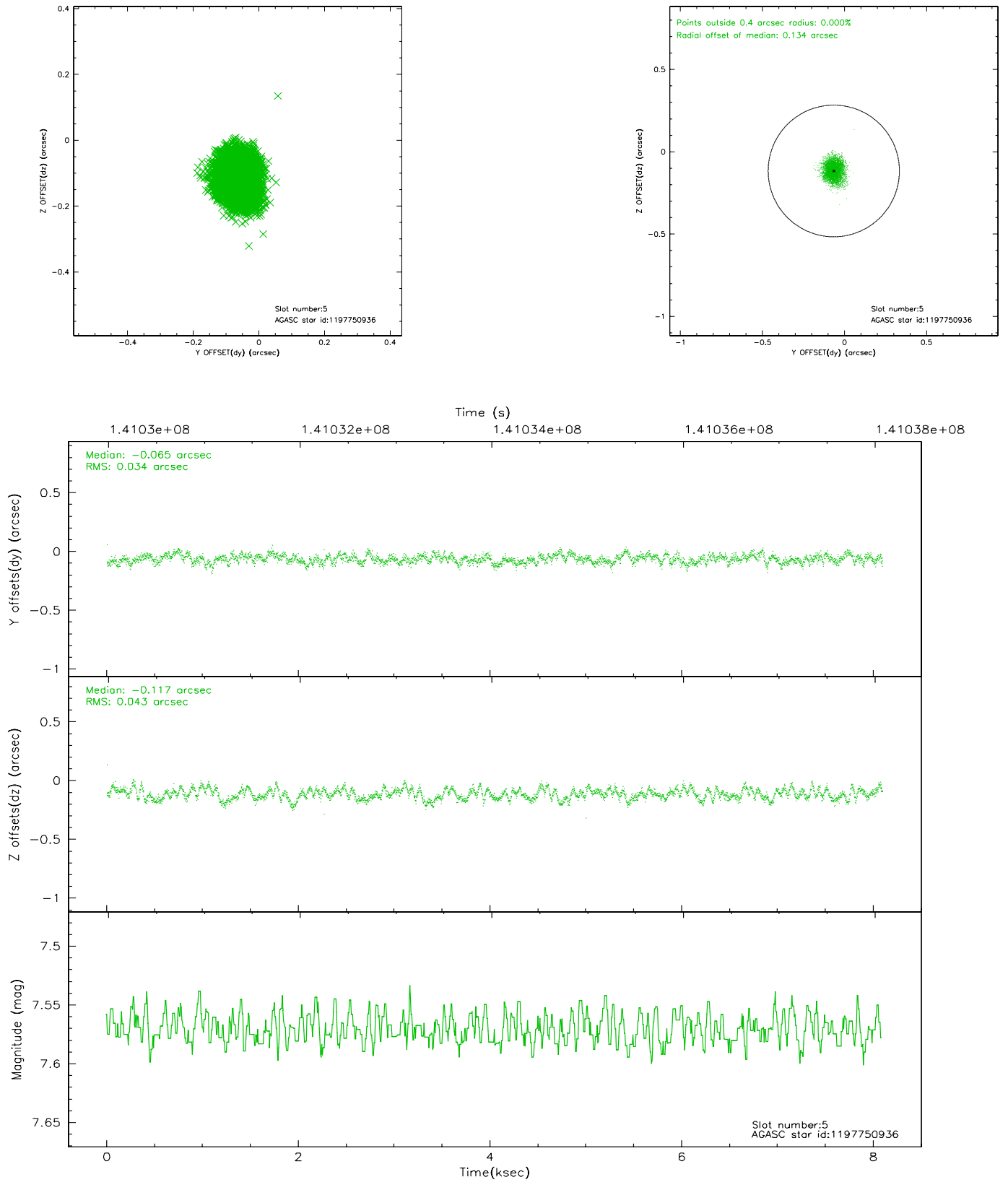
2.4.1 Slot 3



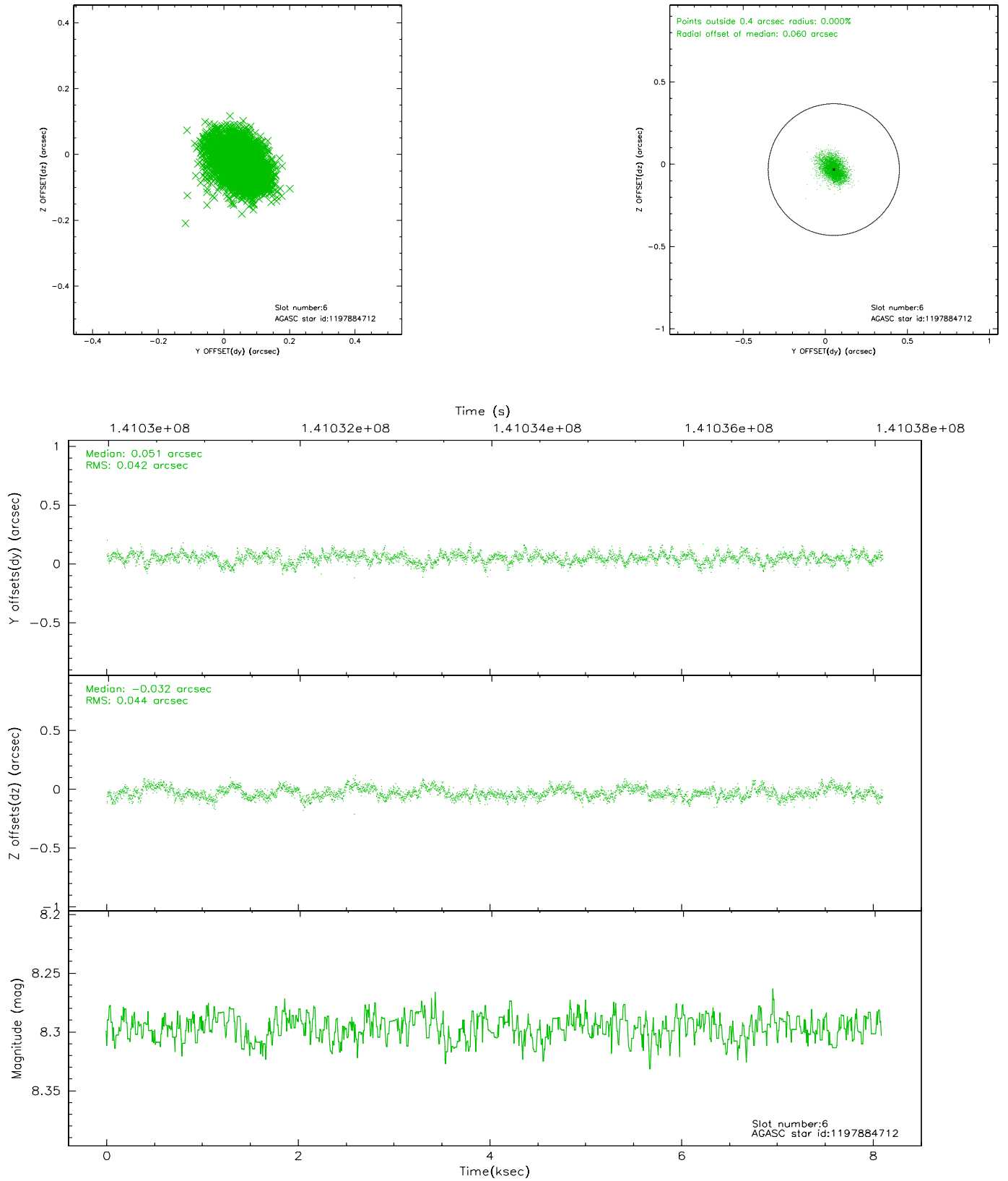
2.4.2 Slot 4



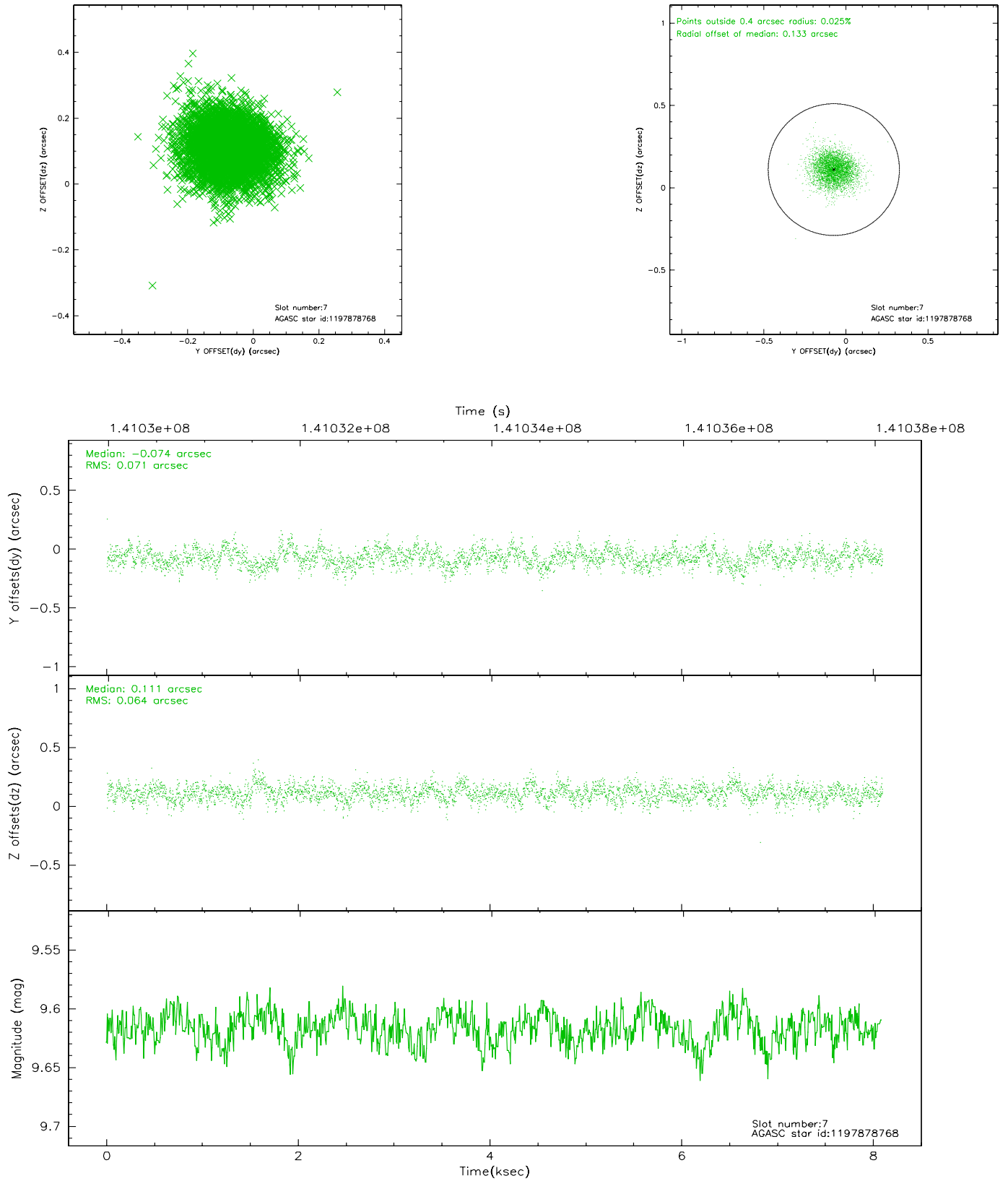
2.4.3 Slot 5



2.4.4 Slot 6

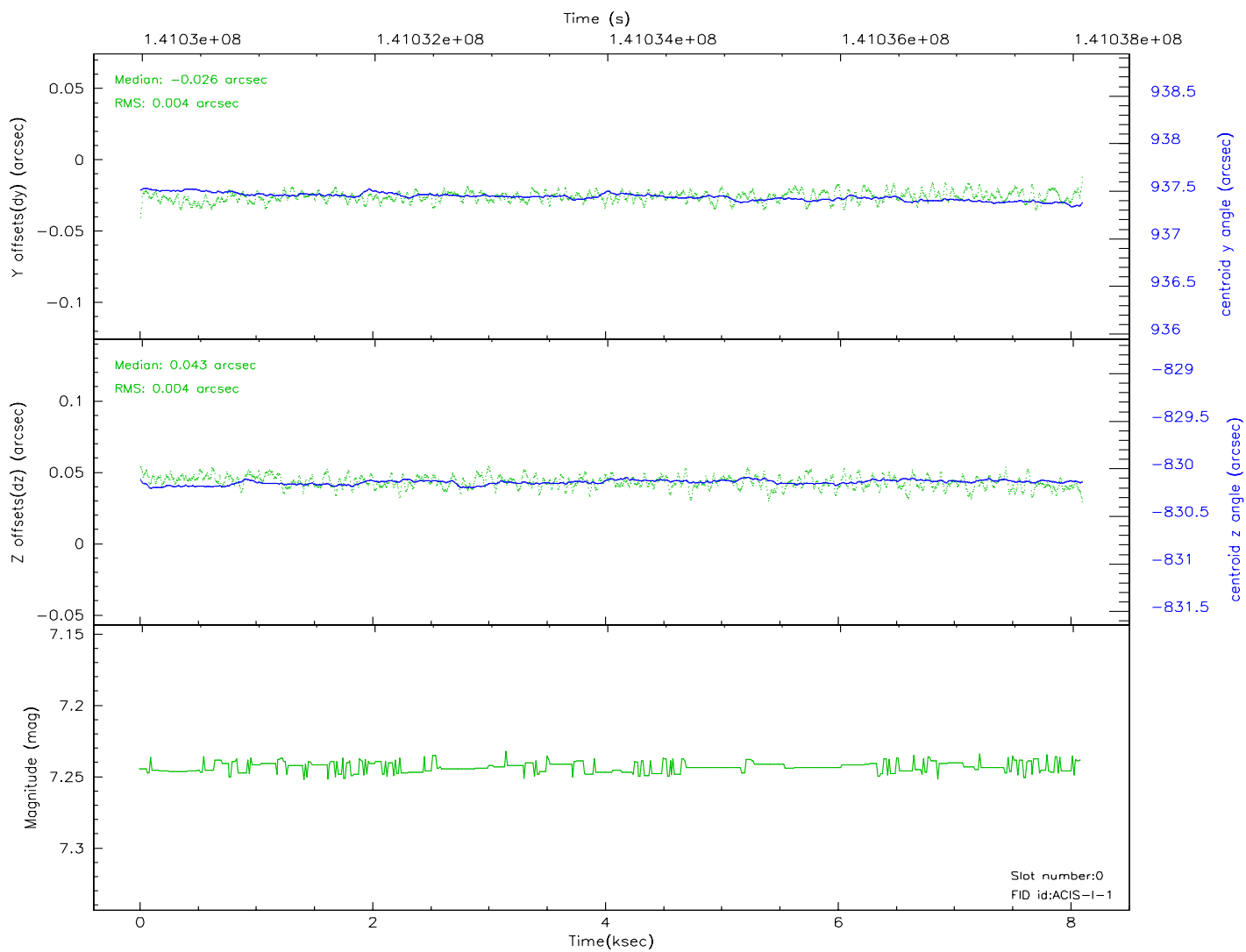
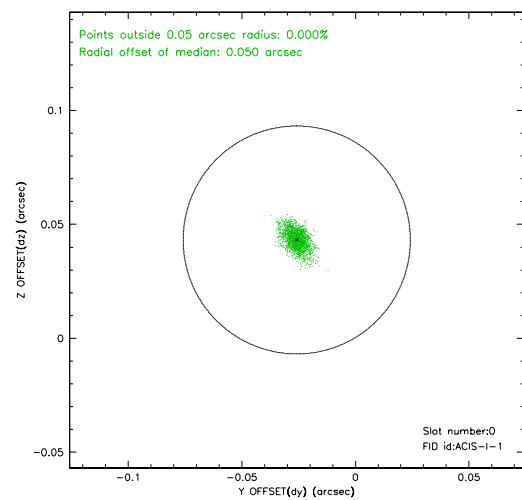
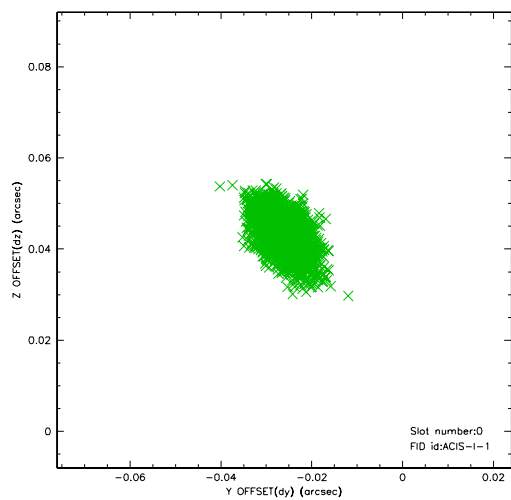


2.4.5 Slot 7

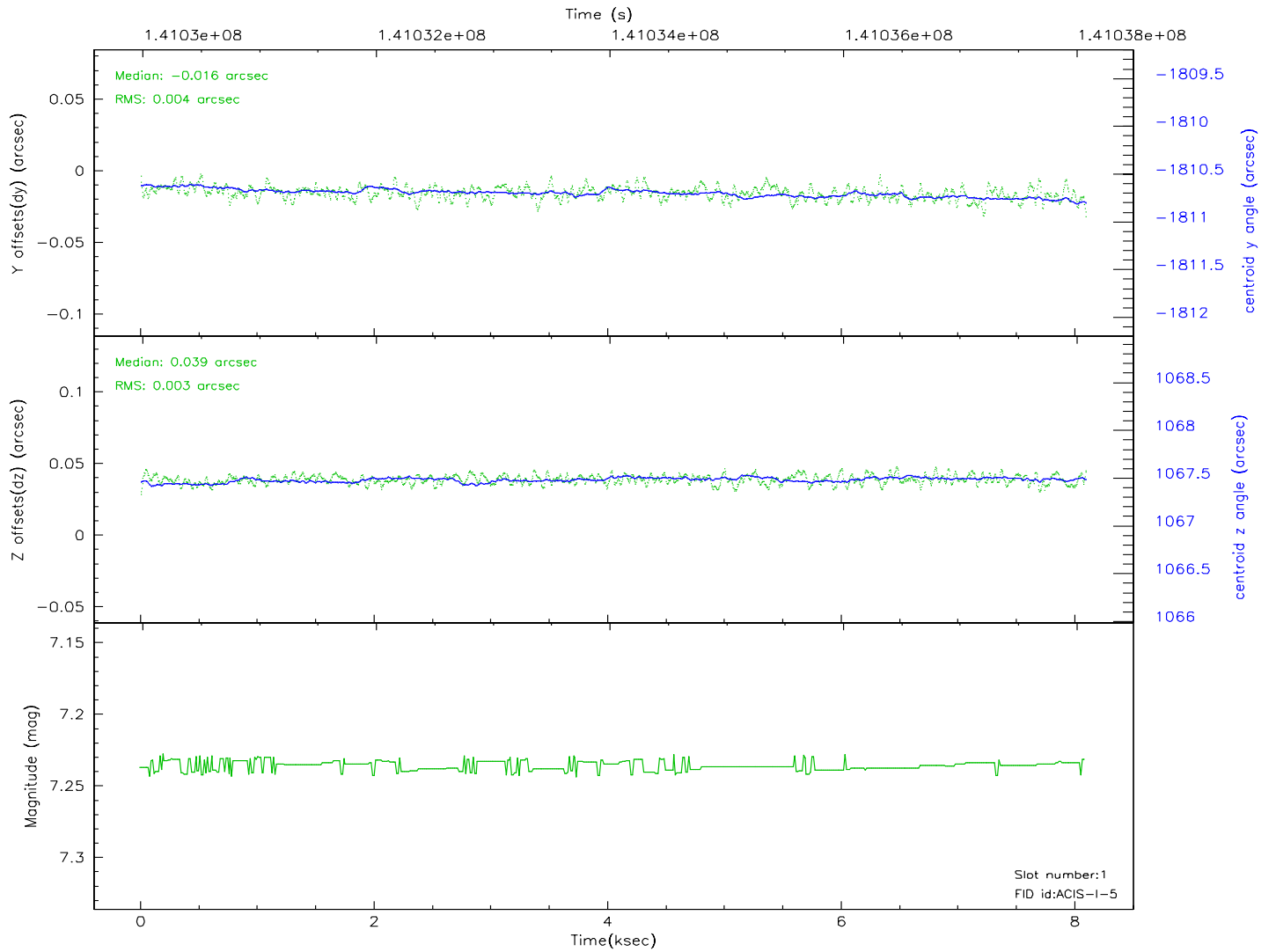
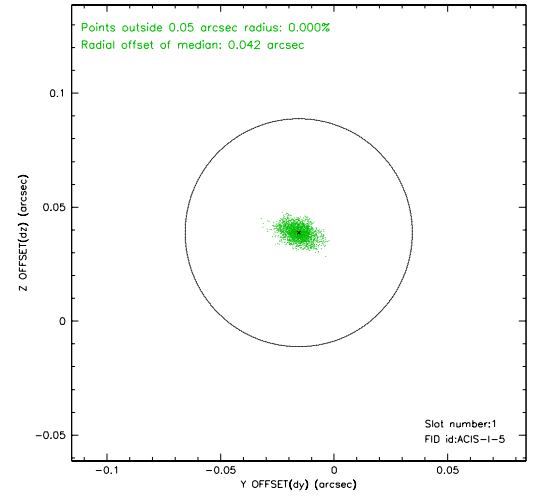
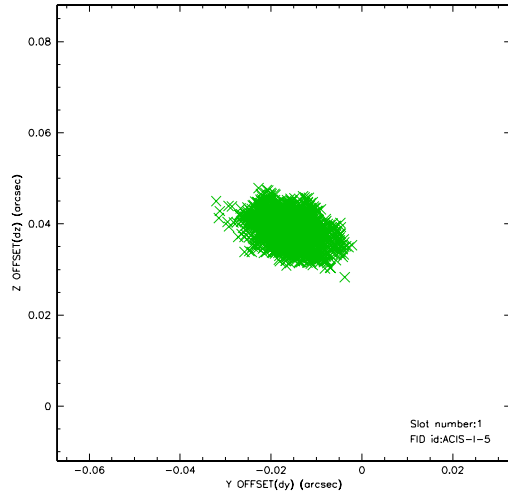


2.5 FID Slots

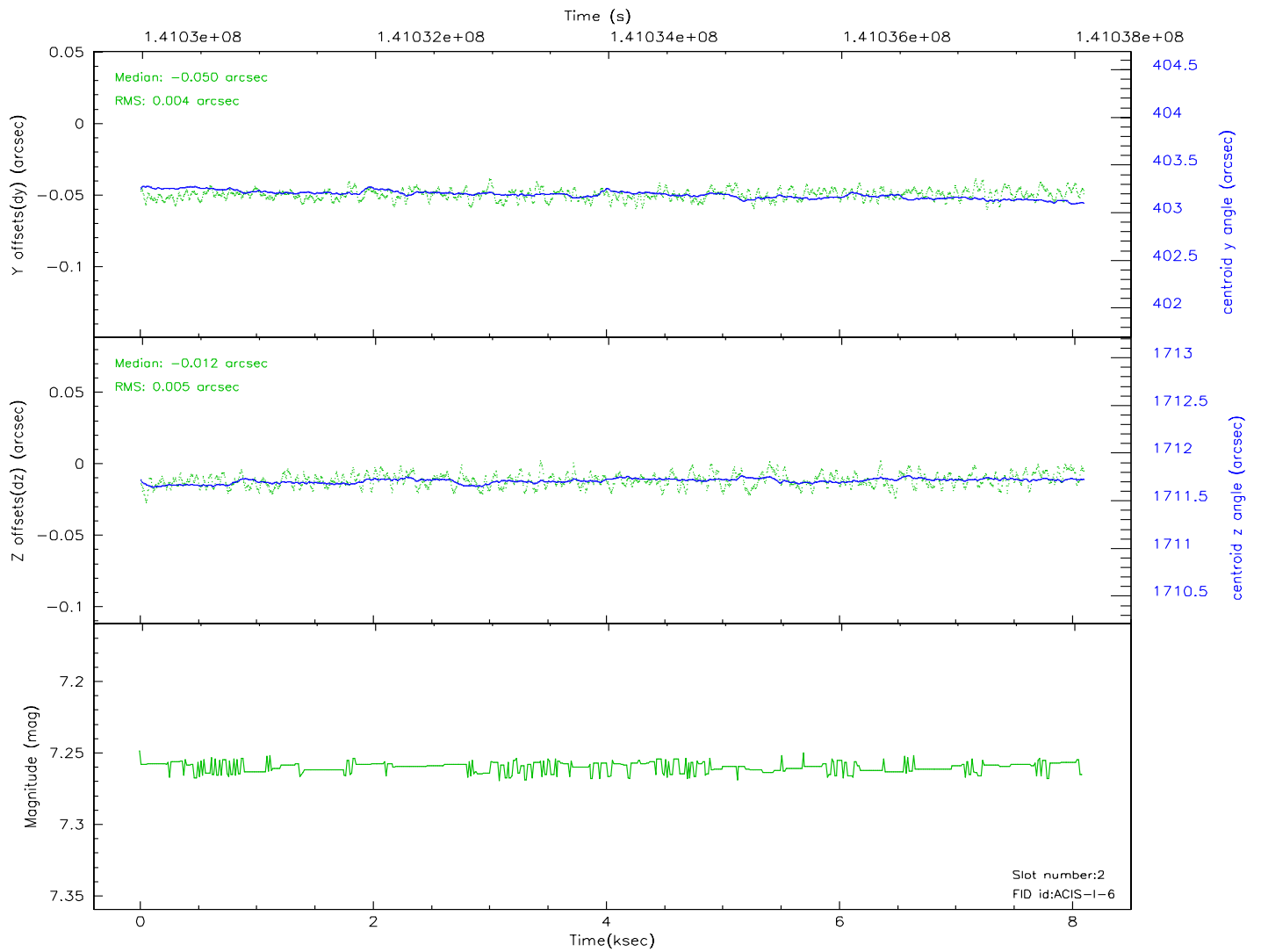
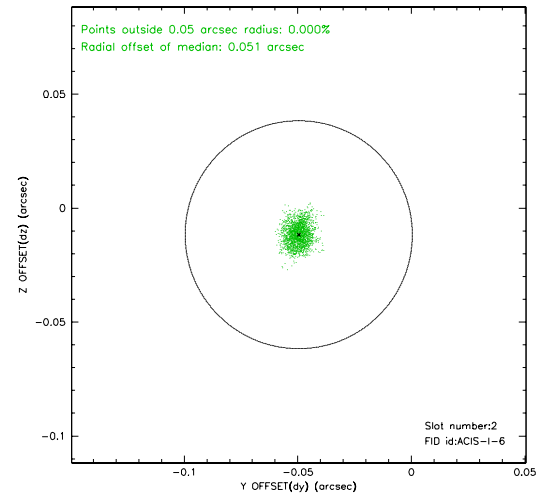
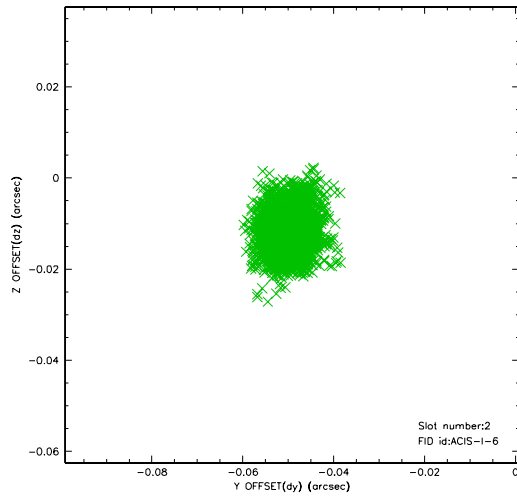
2.5.1 Slot 0



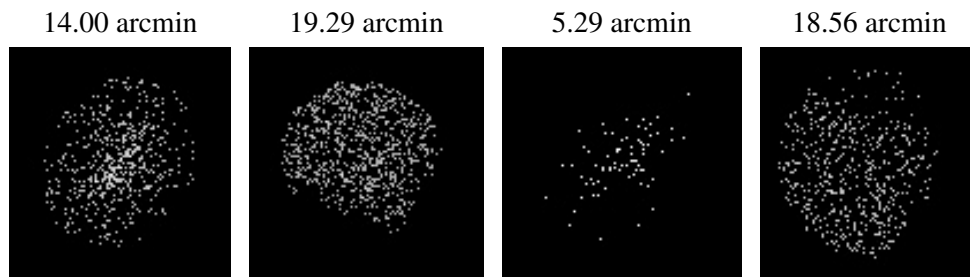
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.66

A.2 Comments

Window constraint satisfied.