

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2864 - L2 Version 001
Chandra X-Ray Center

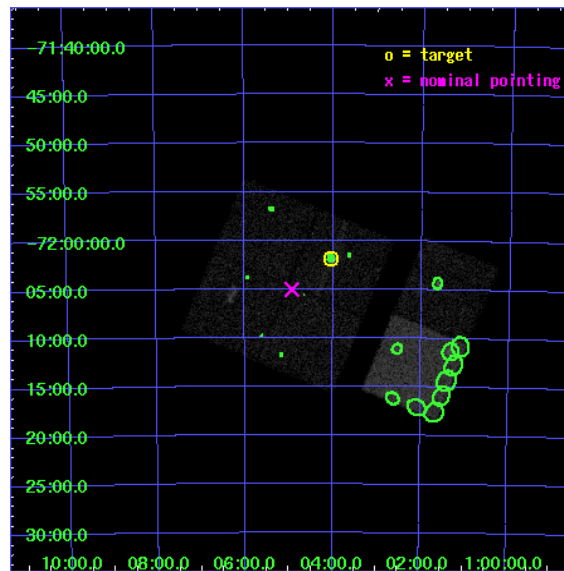
L2 Processing Date : Sep 20 2006

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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

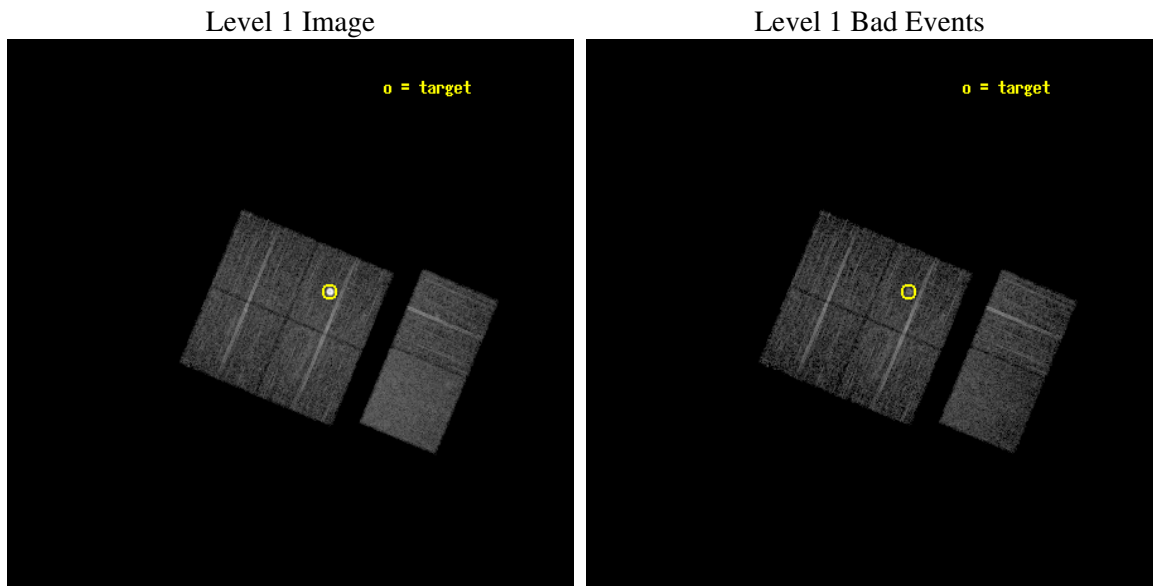
seq_num	590253
obs_id	2864
title	AO3B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I2, T=120, Offsets=4,2,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.23185574841
dec_nom	-72.084048774492
roll_nom	112.59825424494
revision	2
ontime	7657.5999714732
livetime	7560.6348297813
ontime0	7657.5999714732
ontime1	7657.5999714732
ontime2	7657.5999714732
ontime3	7657.5999714732
ontime6	7657.5999714732
ontime7	7657.5999714732
l2events	76768



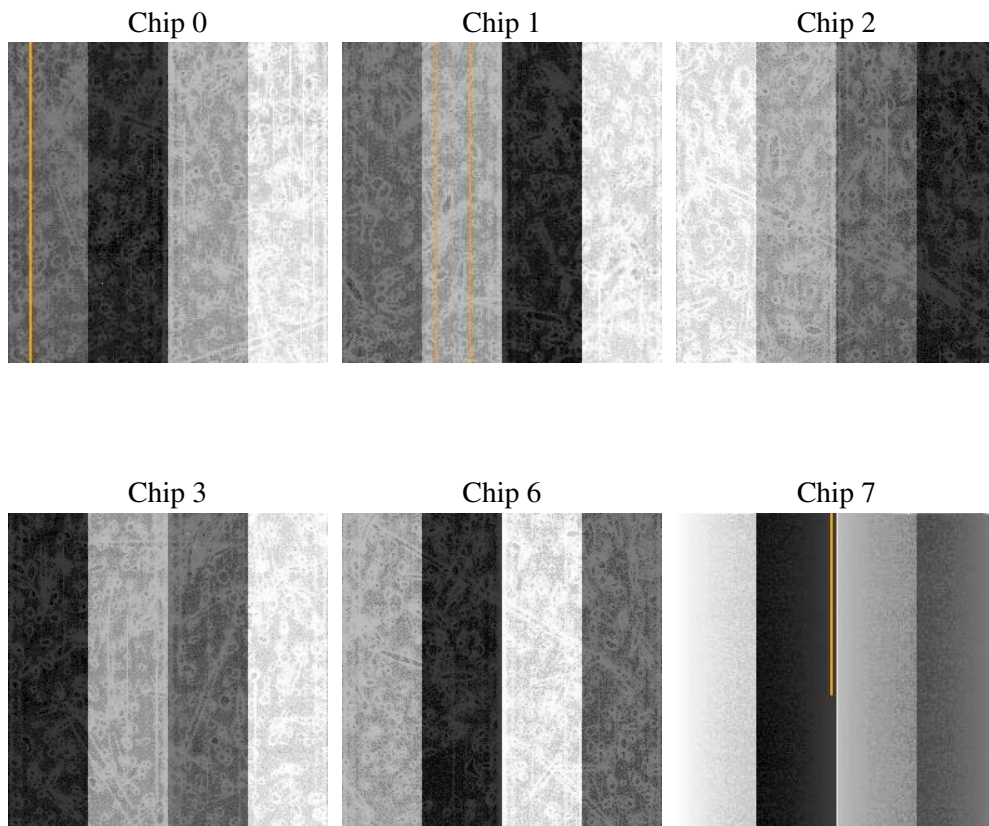
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-20T22:53:57
revision	2

sched_exp_time	7900.000000
ontime	7661.7257337272
ontime0	7664.9667538106
ontime1	7661.7257337272
ontime2	7661.7257337272
ontime3	7661.7257337272
ontime6	7661.7257337272
ontime7	7661.7257337272
l1events	338487

2.1.4 Events

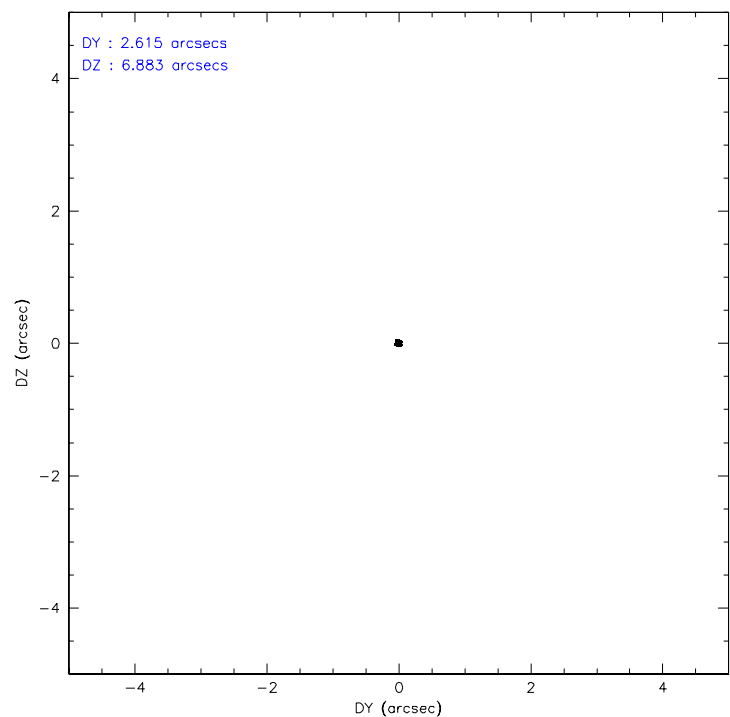
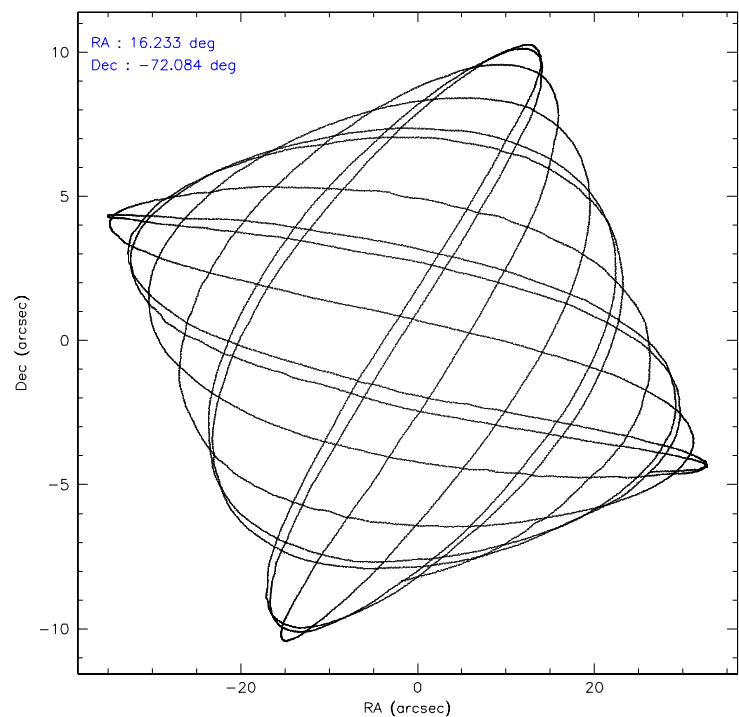
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	47078	45791	76791	49855	53068	65904
rejected events	41046	39107	45544	43537	46804	40855
rejected %	87%	85%	59%	87%	88%	61%

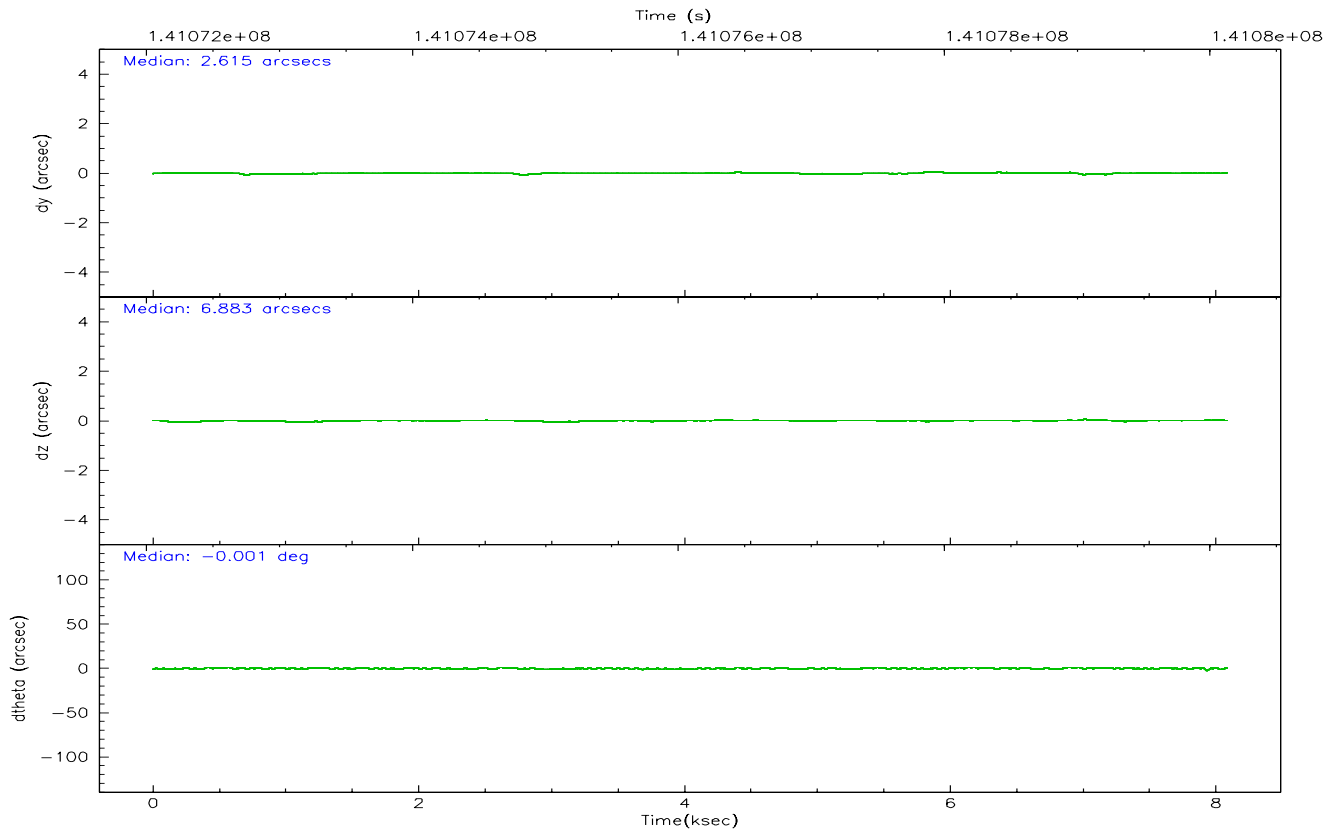
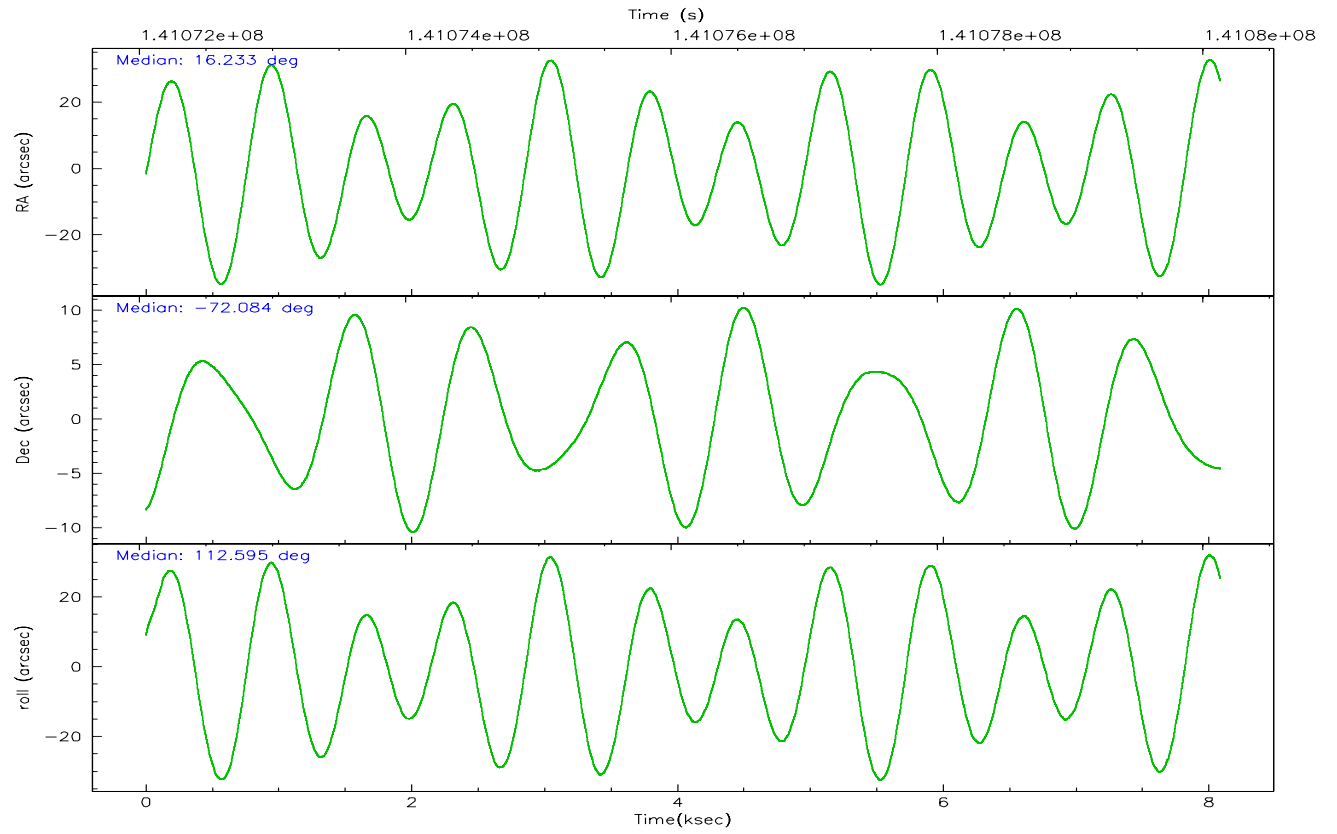
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2567	2977	25232	2930	2652	1653
	5%	6%	32%	5%	4%	2%
grade 1 events	24	25	256	29	26	44
	0%	0%	0%	0%	0%	0%
grade 2 events	1289	1281	3027	1185	1230	6126
	2%	2%	3%	2%	2%	9%
grade 3 events	607	582	991	585	633	1334
	1%	1%	1%	1%	1%	2%
grade 4 events	561	644	909	574	535	1291
	1%	1%	1%	1%	1%	1%
grade 5 events	1802	2008	1805	1976	2197	4346
	3%	4%	2%	3%	4%	6%
grade 6 events	1012	1204	1114	1050	1216	14662
	2%	2%	1%	2%	2%	22%
grade 7 events	39216	37070	43457	41526	44579	36448
	83%	80%	56%	83%	84%	55%

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	16.302695	16.2318557484098	Subarray requested	NONE	NONE
Pointing Dec	-72.100615	-72.08404877449232	Alternating exposures requested	N	N
Pointing Roll	112.456972	112.5982542449362	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	141072233.184000	141071856.98881			
Observation start date	2002-06-21T18:42:49	2002-06-21T18:37:36			
Observation end time	141080133.184000	141080624.83916			
Observation end date	2002-06-21T20:54:29	2002-06-21T21:03:44			
Read mode	TIMED	TIMED			

2.3 Aspect



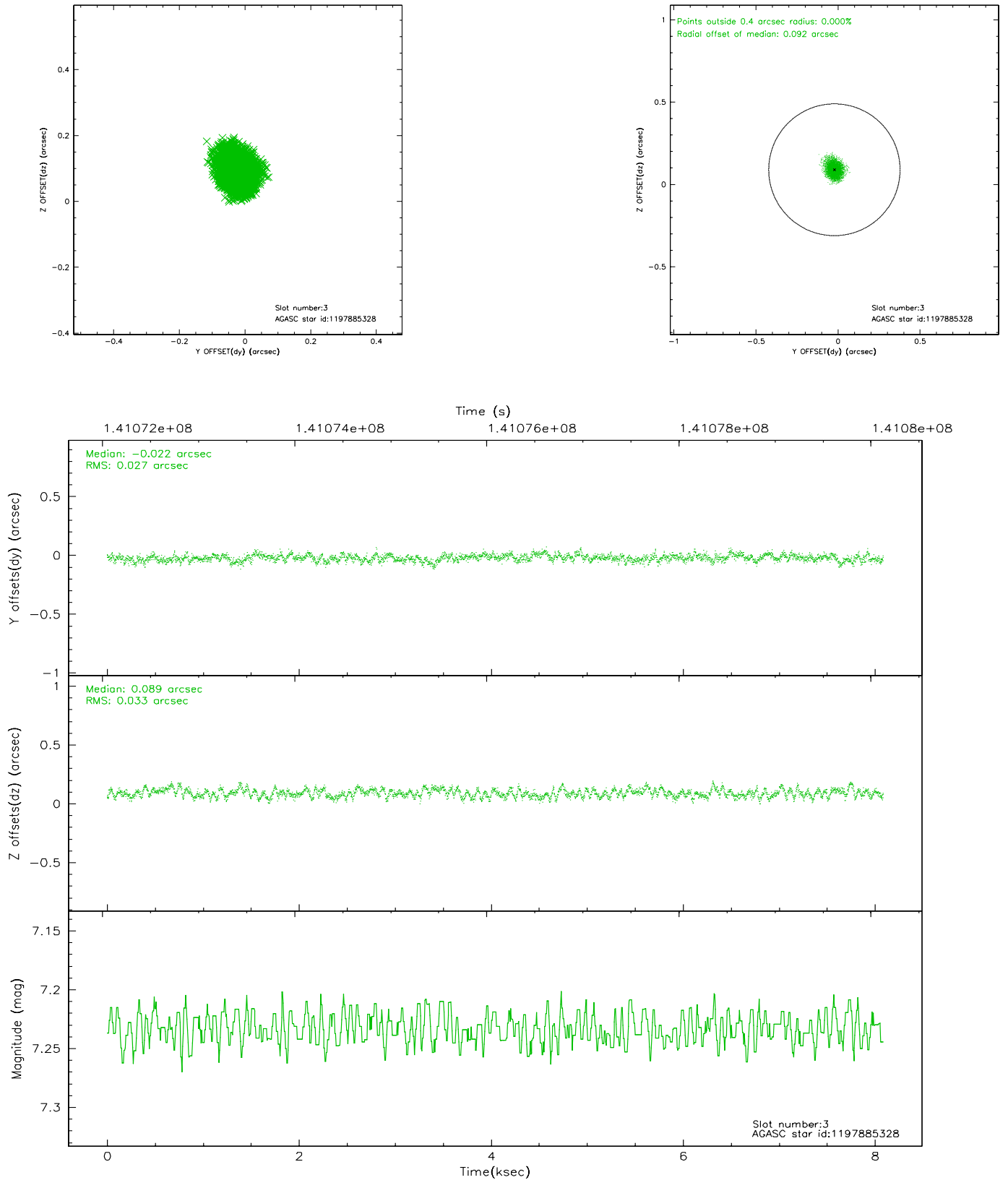


Slot Statistics

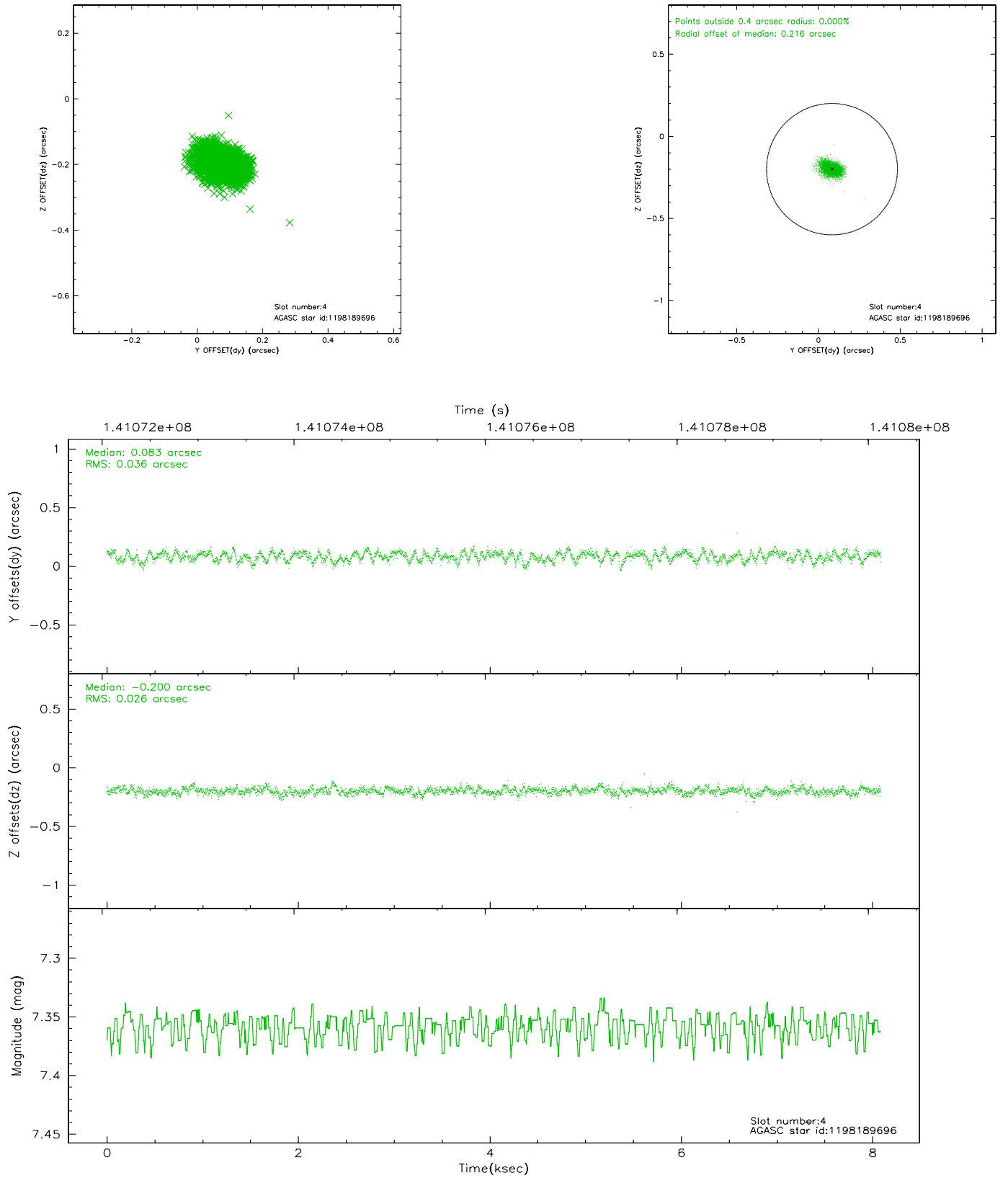
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1971	-0.018	0.040	0.006	0.011	0.000000	0.000000	937.15	-830.25
1	FID	ACIS-I-5	7.24	1971	-0.027	0.044	0.006	0.010	0.000000	0.000000	-1810.53	1066.96
2	FID	ACIS-I-6	7.26	1971	-0.046	-0.013	0.007	0.012	0.000000	0.000000	401.98	1712.14
3	GUIDE	1197885328	7.23	3944	-0.022	0.089	0.046	0.073	16.283090	-71.733943	1229.08	-483.15
4	GUIDE	1198189696	7.36	3944	0.083	-0.200	0.047	0.078	15.223750	-72.697522	-1553.36	1892.69
5	GUIDE	1197750936	7.58	3944	-0.202	-0.062	0.047	0.074	15.387940	-71.549550	2224.17	209.72
6	GUIDE	1197884536	8.50	3943	0.071	0.045	0.054	0.087	17.160729	-71.835289	510.00	-1251.29
7	GUIDE	1198283128	7.61	3943	0.073	0.128	0.049	0.075	17.272580	-72.642428	-2207.36	-213.97

2.4 Star Slots

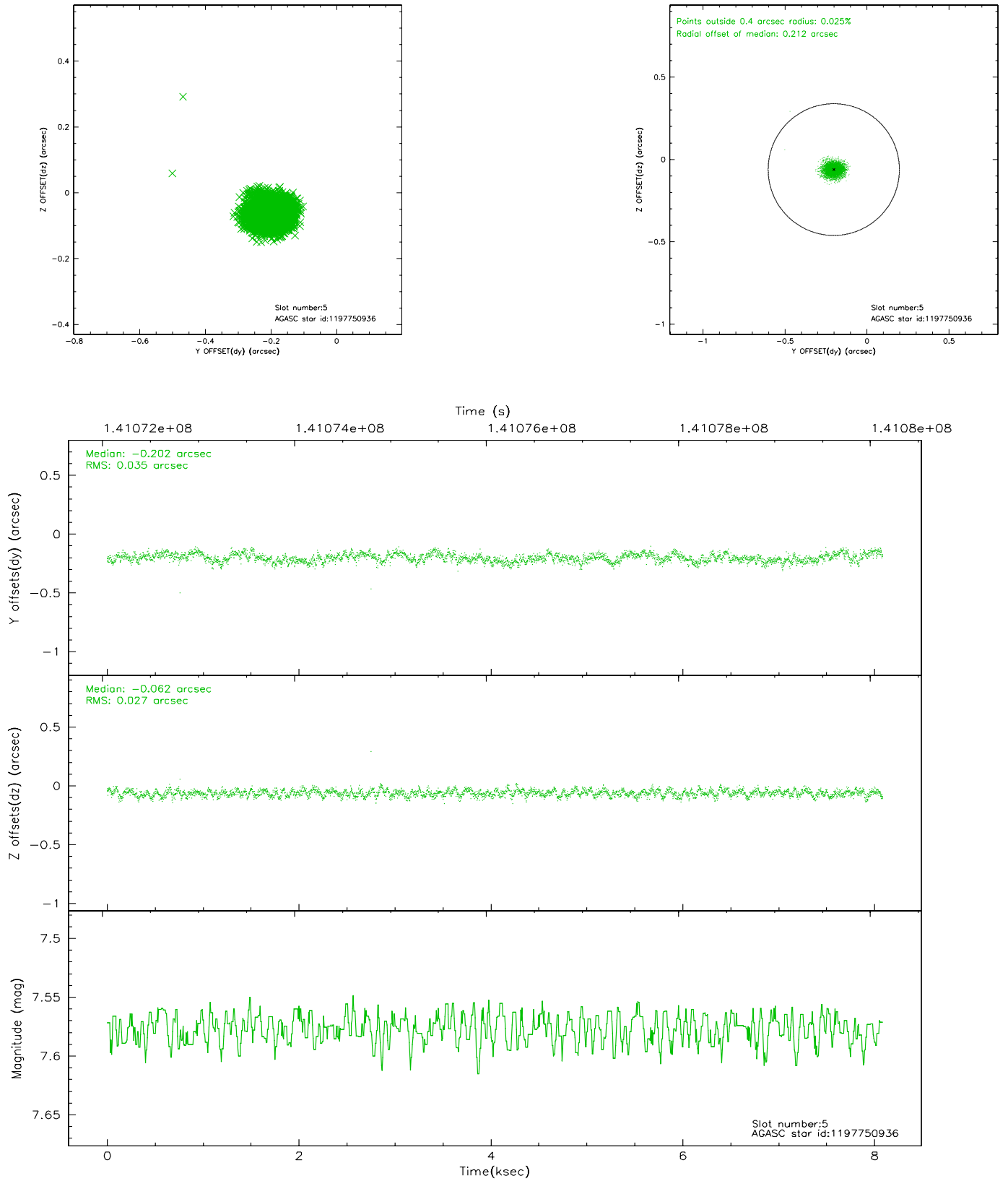
2.4.1 Slot 3



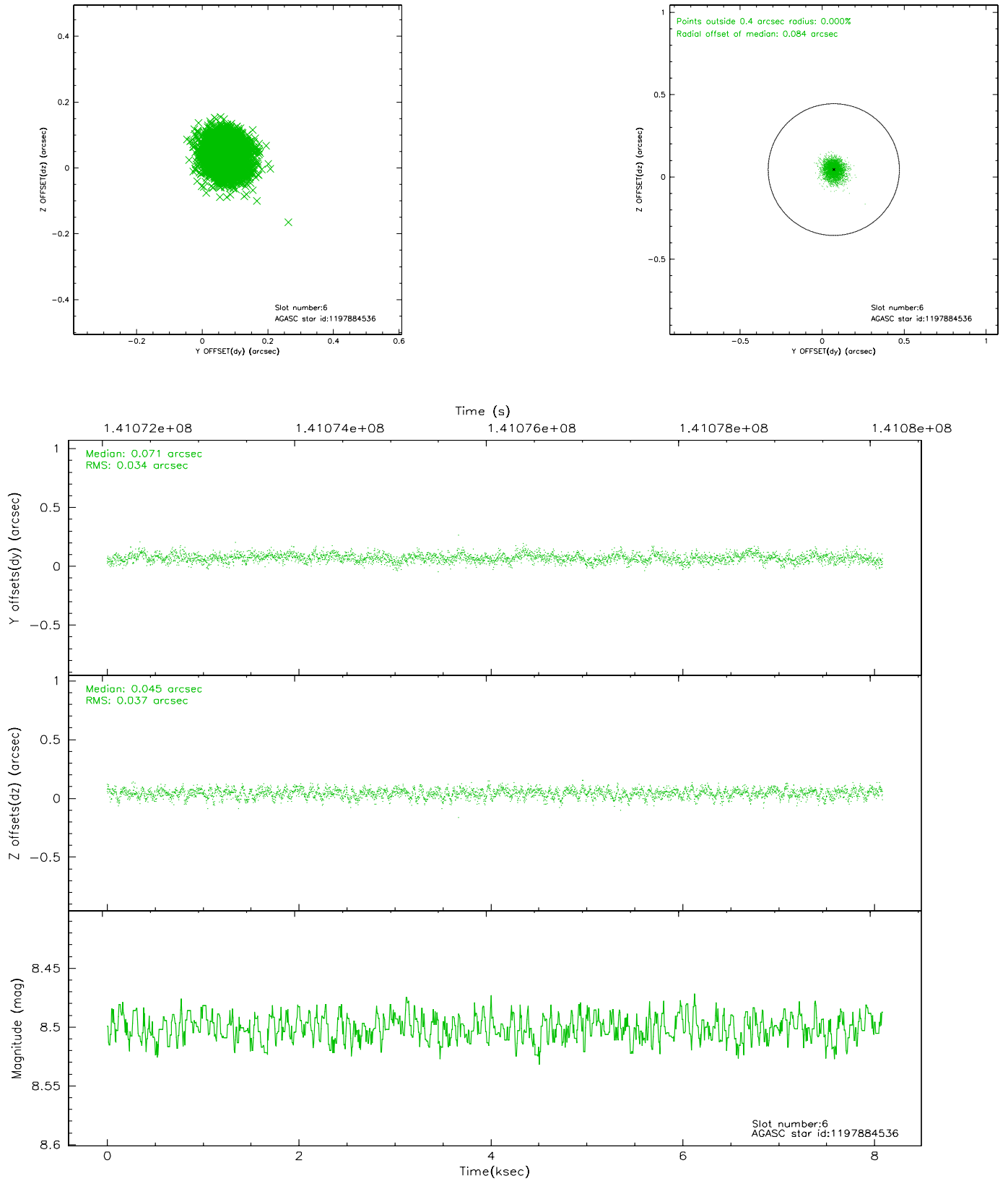
2.4.2 Slot 4



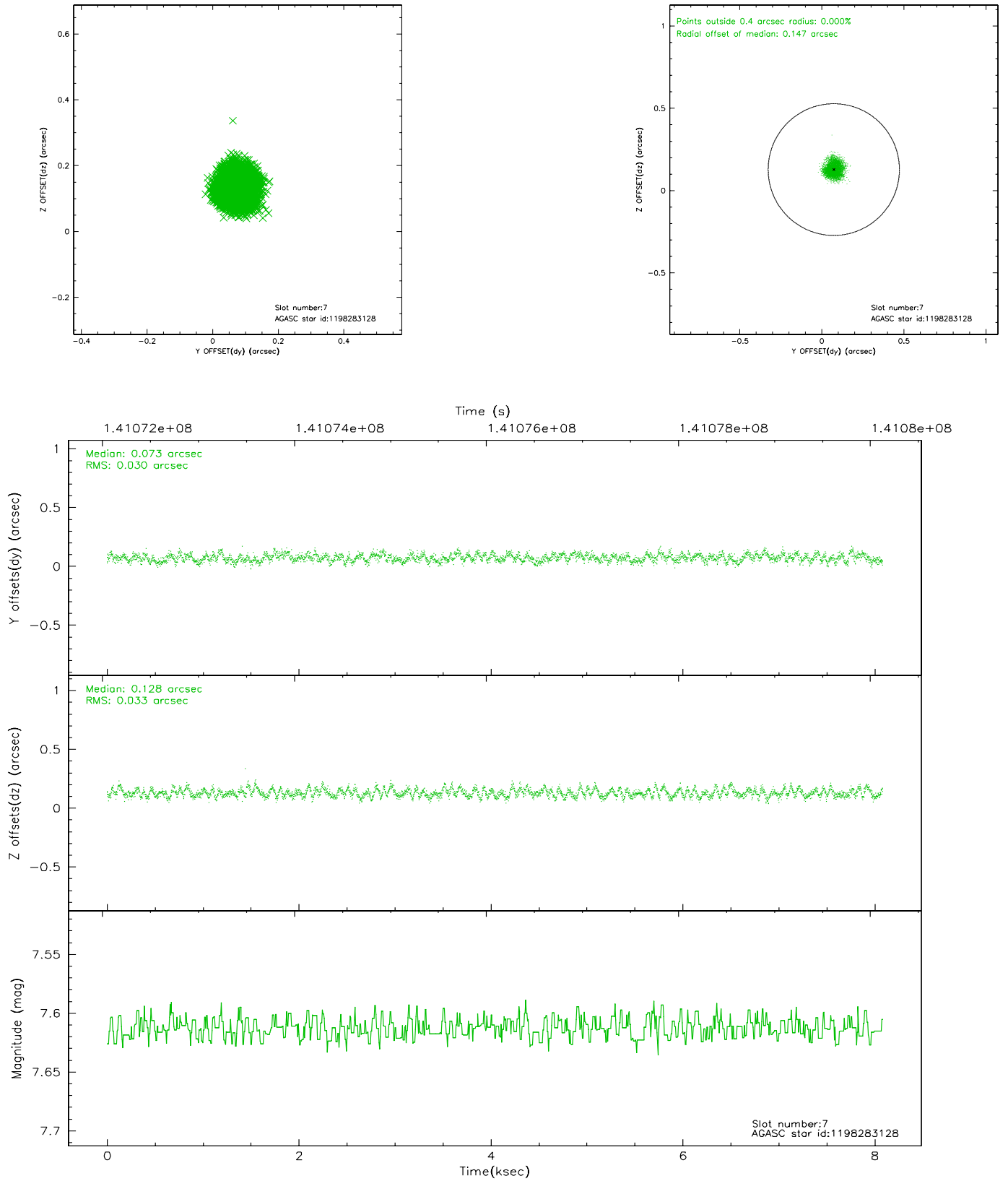
2.4.3 Slot 5



2.4.4 Slot 6

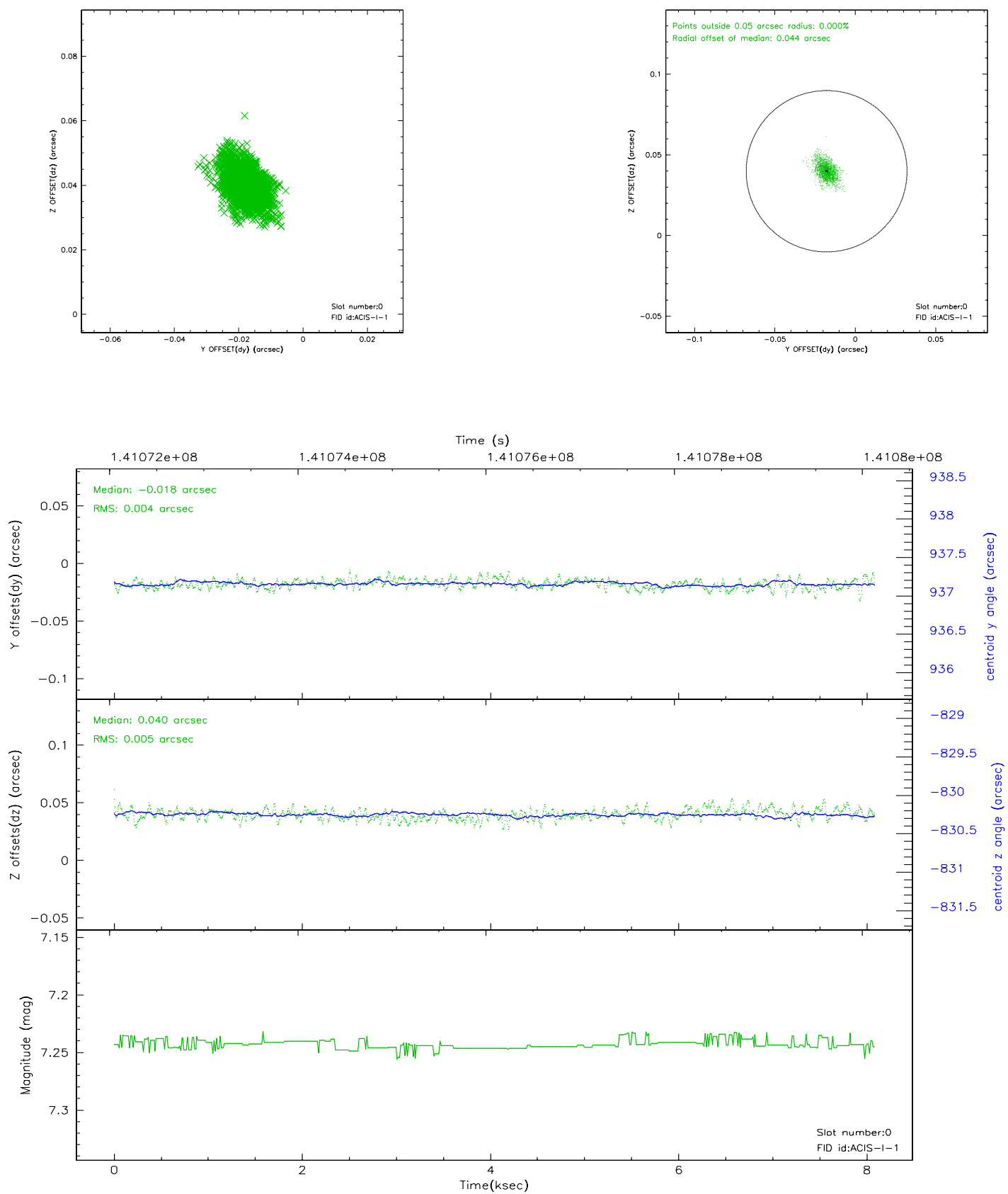


2.4.5 Slot 7

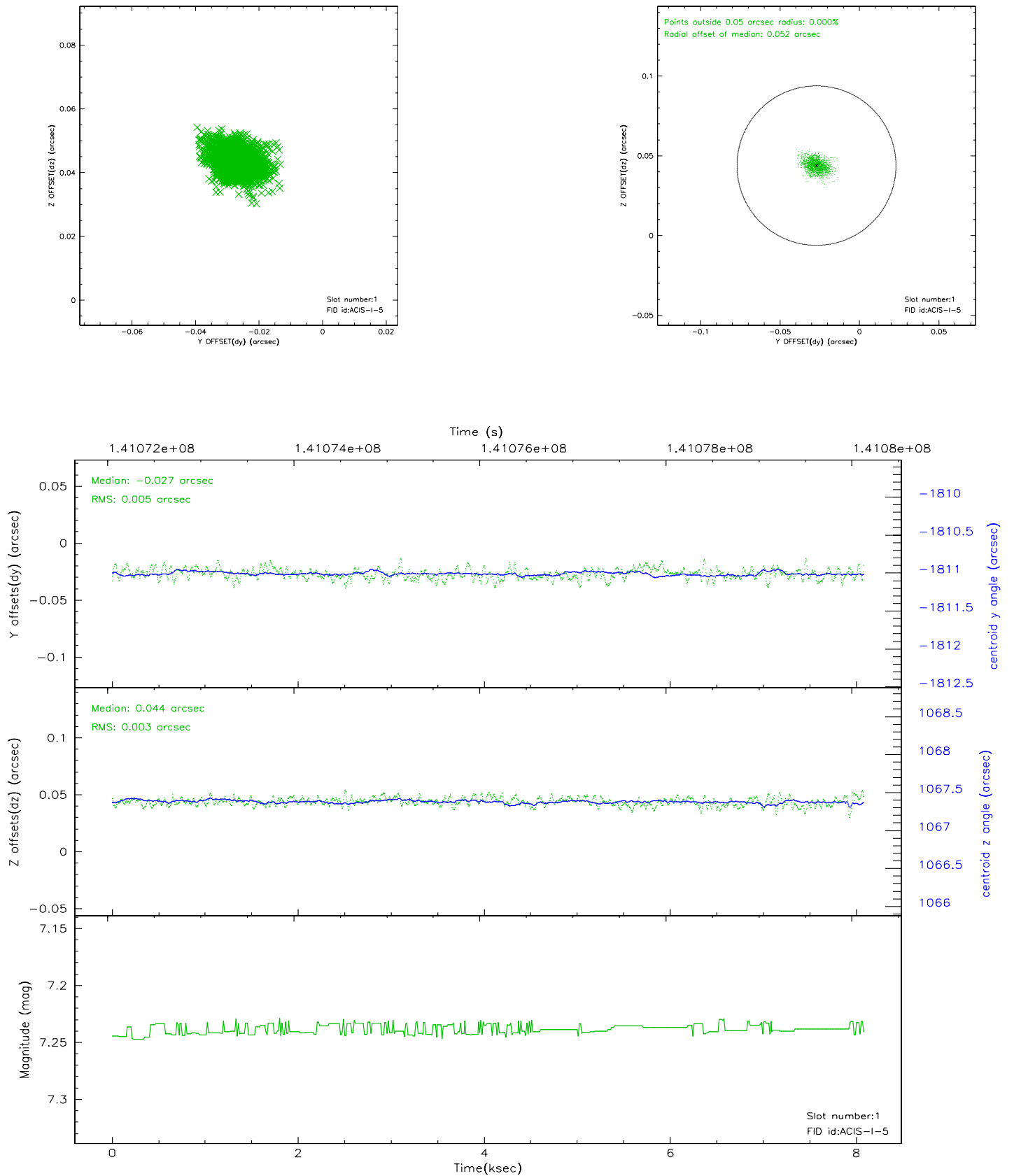


2.5 FID Slots

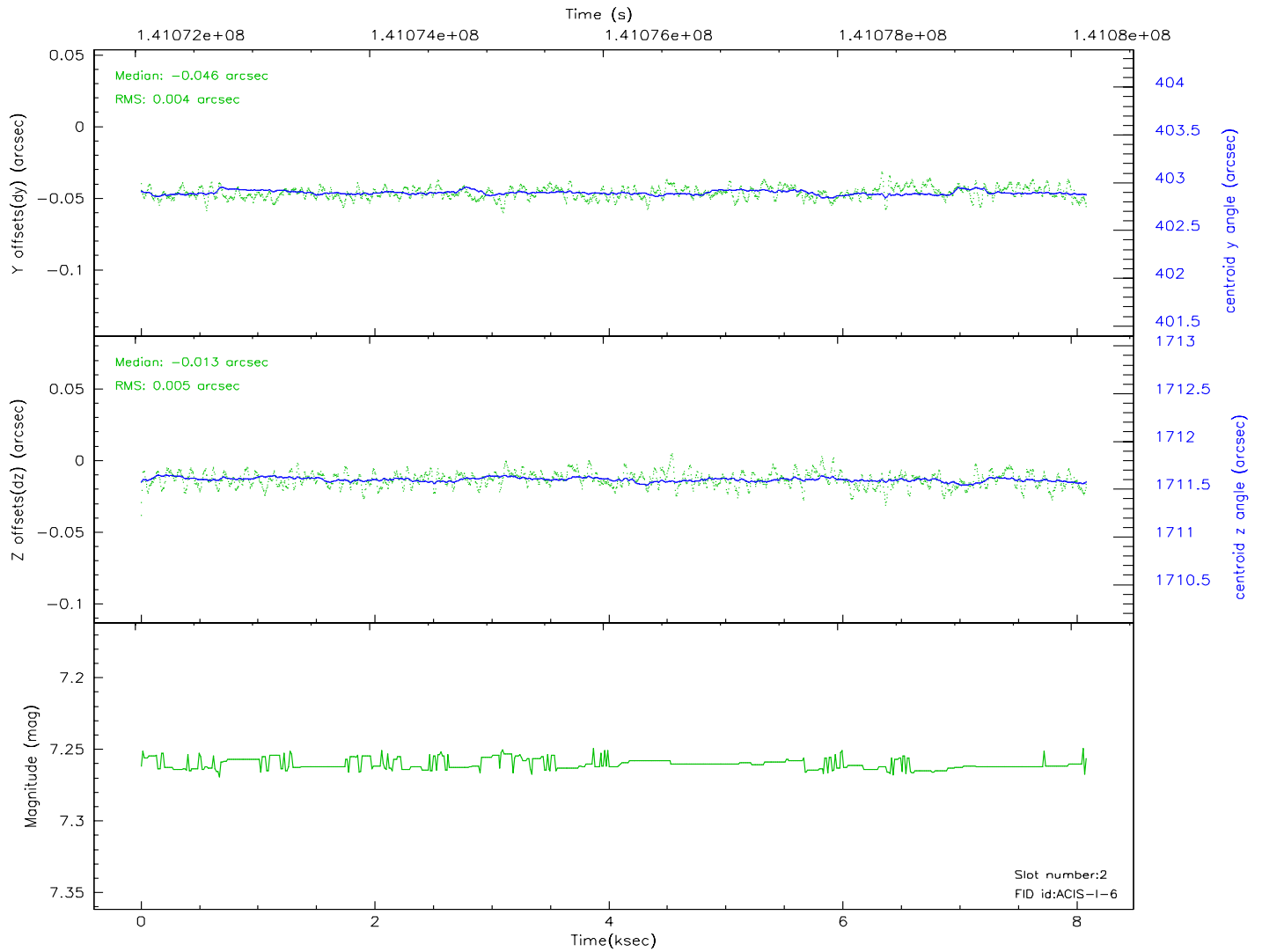
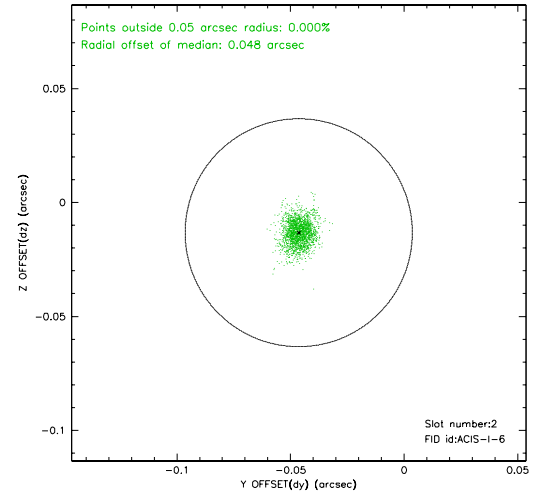
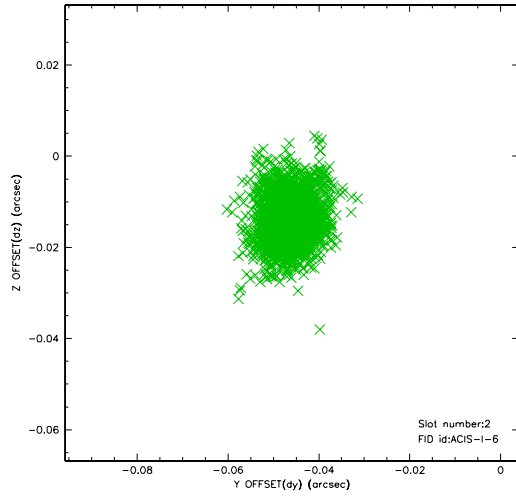
2.5.1 Slot 0



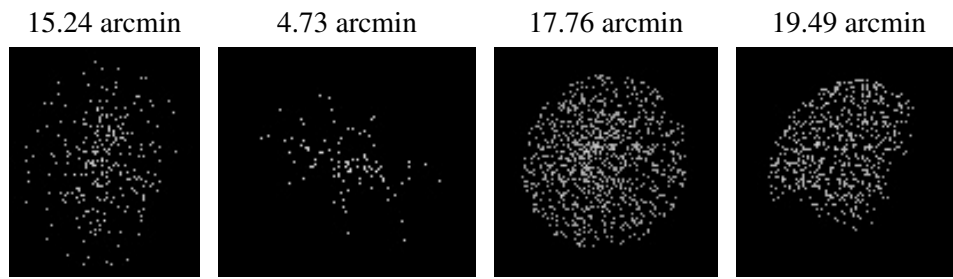
2.5.2 Slot 1



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.