

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2901 - L2 Version 001
Chandra X-Ray Center

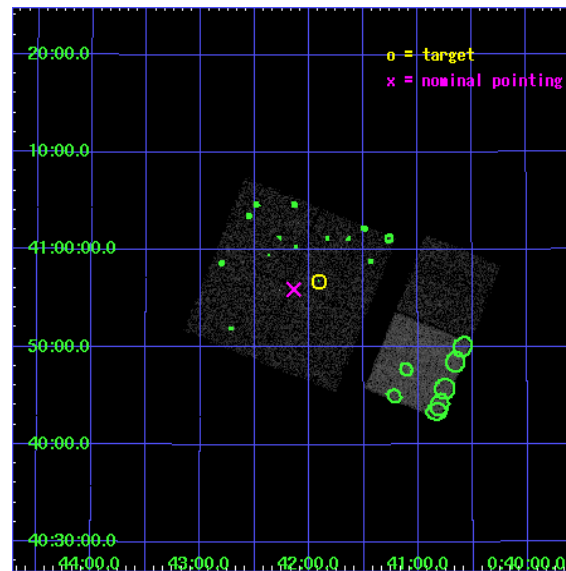
L2 Processing Date : Sep 22 2006

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

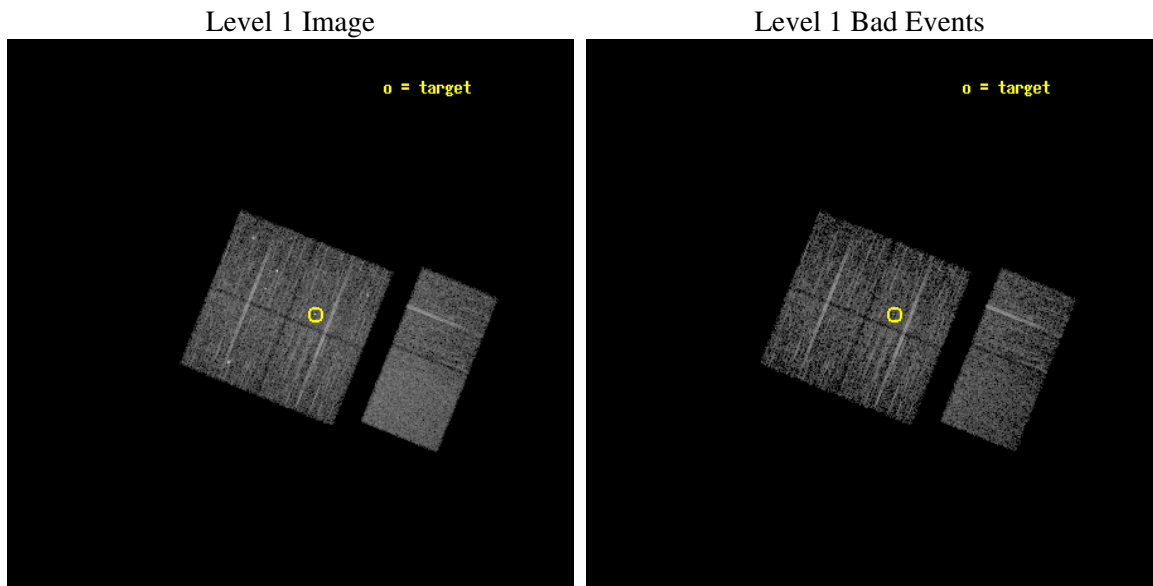
seq_num	600238
obs_id	2901
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST
observer	Dr. MICHAEL GARCIA
object	M31-T6
dtcycle	0
cycle	P
ra_targ	10.477792
dec_targ	40.946528
ra_nom	10.535243970224
dec_nom	40.932521424346
roll_nom	111.915051215
revision	2
ontime	4681.5999825597
livetime	4622.3187446594
ontime0	4681.5999825597
ontime1	4681.5999825597
ontime2	4681.5999825597
ontime3	4681.5999825597
ontime6	4681.5999825597
ontime7	4681.5999825597
l2events	35096



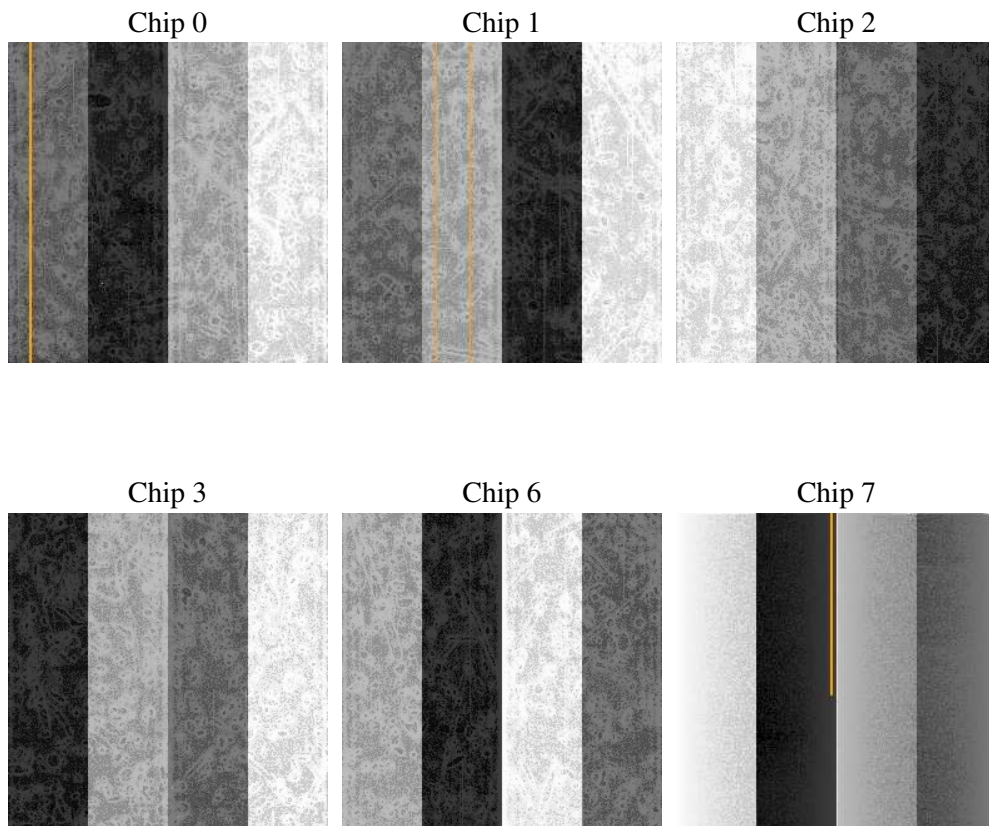
2 OBI

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	2006-09-22T17:47:19
revision	2

sched_exp_time	4719.038000
ontime	4686.4851124883
ontime0	4686.4851124883
ontime1	4686.4851124883
ontime2	4686.4851124883
ontime3	4686.4851124883
ontime6	4686.4851124883
ontime7	4686.4851124883
l1events	197391

2.1.4 Events

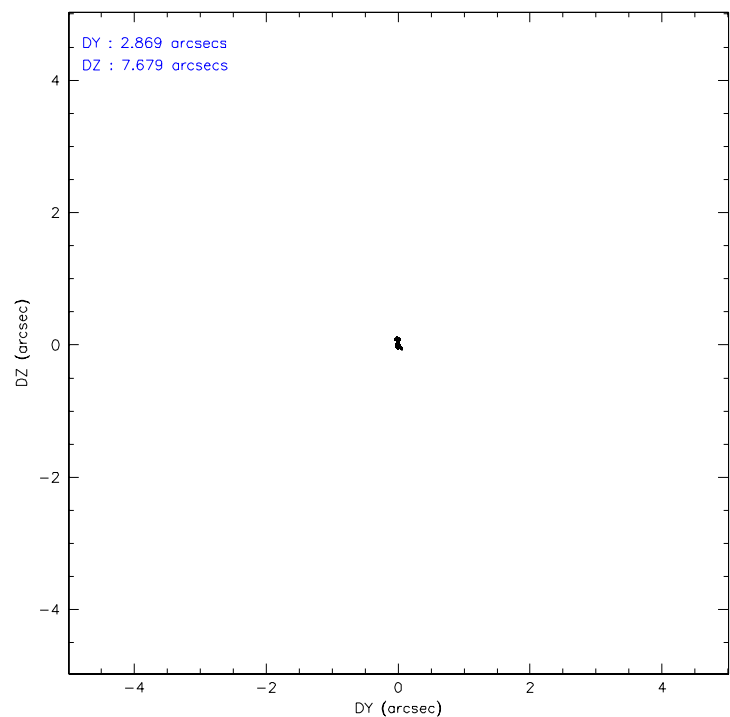
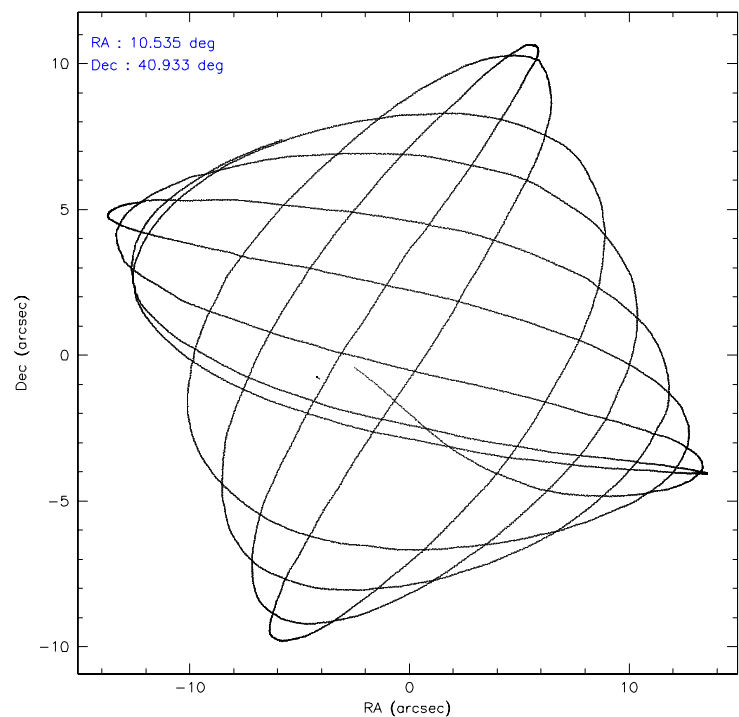
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30246	31196	32617	32085	31062	40185
rejected events	24922	26406	27845	28286	27186	24461
rejected %	82%	84%	85%	88%	87%	60%

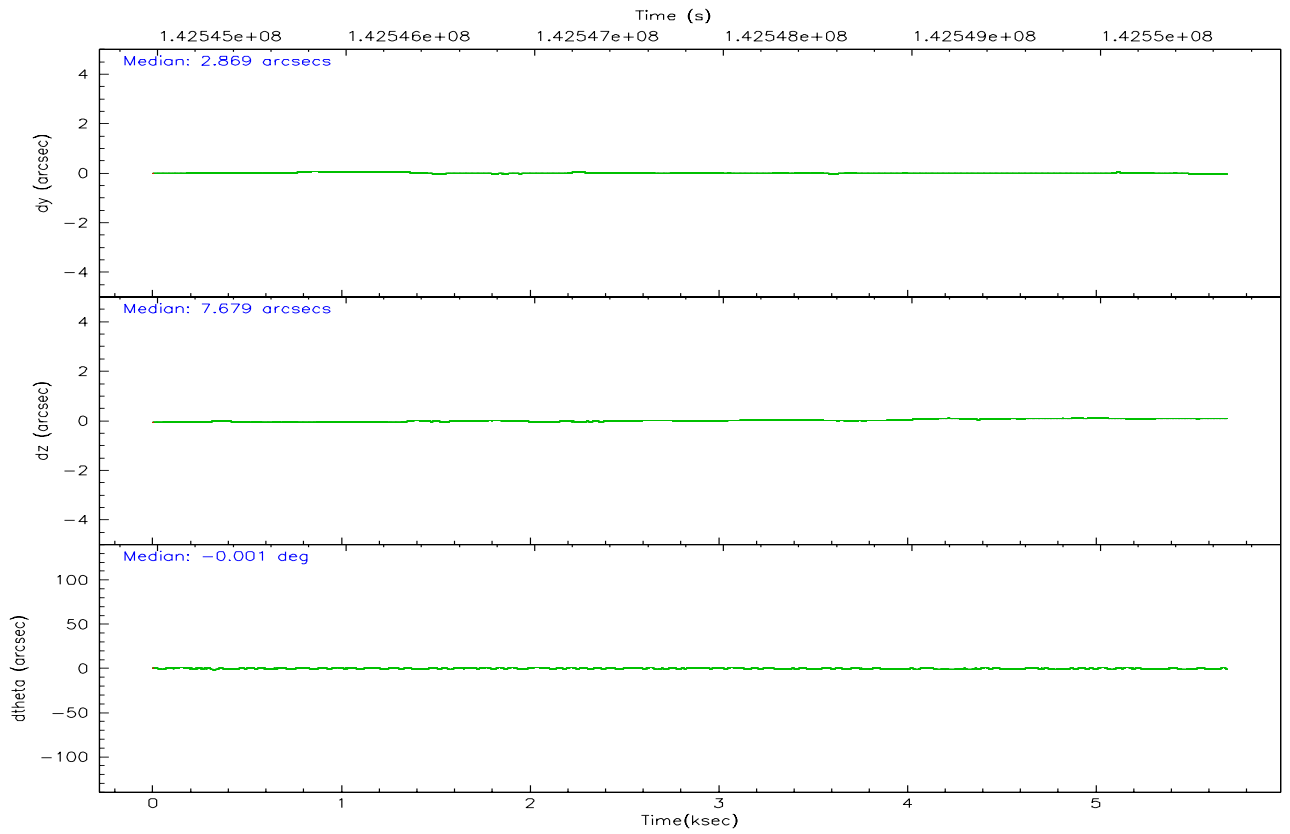
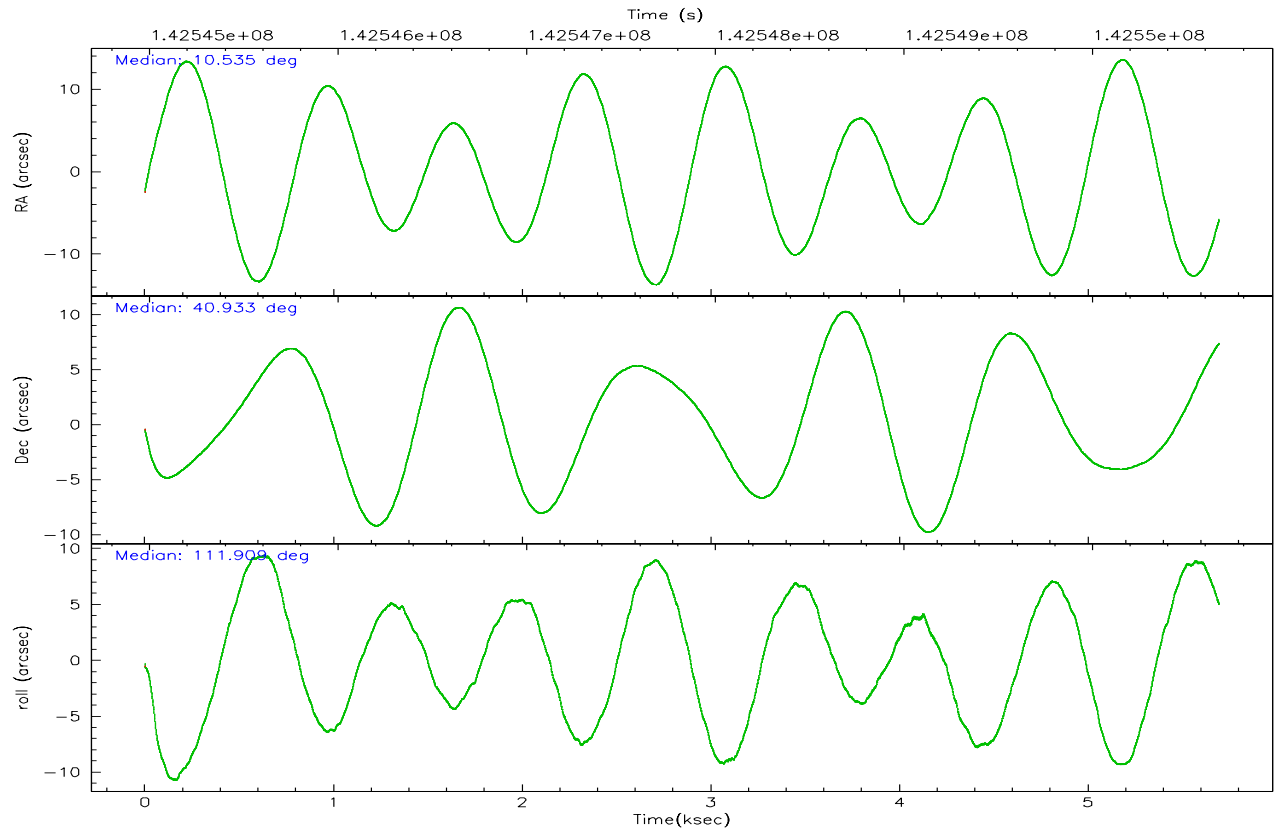
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2740	2195	2378	1670	1564	966
	9%	7%	7%	5%	5%	2%
grade 1 events	35	16	42	15	15	25
	0%	0%	0%	0%	0%	0%
grade 2 events	1082	944	986	806	828	3855
	3%	3%	3%	2%	2%	9%
grade 3 events	396	408	377	341	375	820
	1%	1%	1%	1%	1%	2%
grade 4 events	372	425	395	332	371	848
	1%	1%	1%	1%	1%	2%
grade 5 events	1099	1266	1078	1187	1325	2668
	3%	4%	3%	3%	4%	6%
grade 6 events	746	827	640	656	742	9255
	2%	2%	1%	2%	2%	23%
grade 7 events	23776	25115	26721	27078	25842	21748
	78%	80%	81%	84%	83%	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	10.563844	10.53524397022441	Subarray requested	NONE	NONE
Pointing Dec	40.915733	40.93252142434645	Alternating exposures requested	N	N
Pointing Roll	111.687627	111.9150512150016	Primary exposure time	0.000000	3.2
Window start time	142473664.184000	142473664.184000			
Window stop time	143078464.184000	143078464.184000			
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	142545953.184000	142544604.72419			
Observation start date	2002-07-08T20:04:49	2002-07-08T19:43:24			
Observation end time	142550672.184000	142550987.39945			
Observation end date	2002-07-08T21:23:28	2002-07-08T21:29:47			
Read mode	TIMED	TIMED			

2.3 Aspect



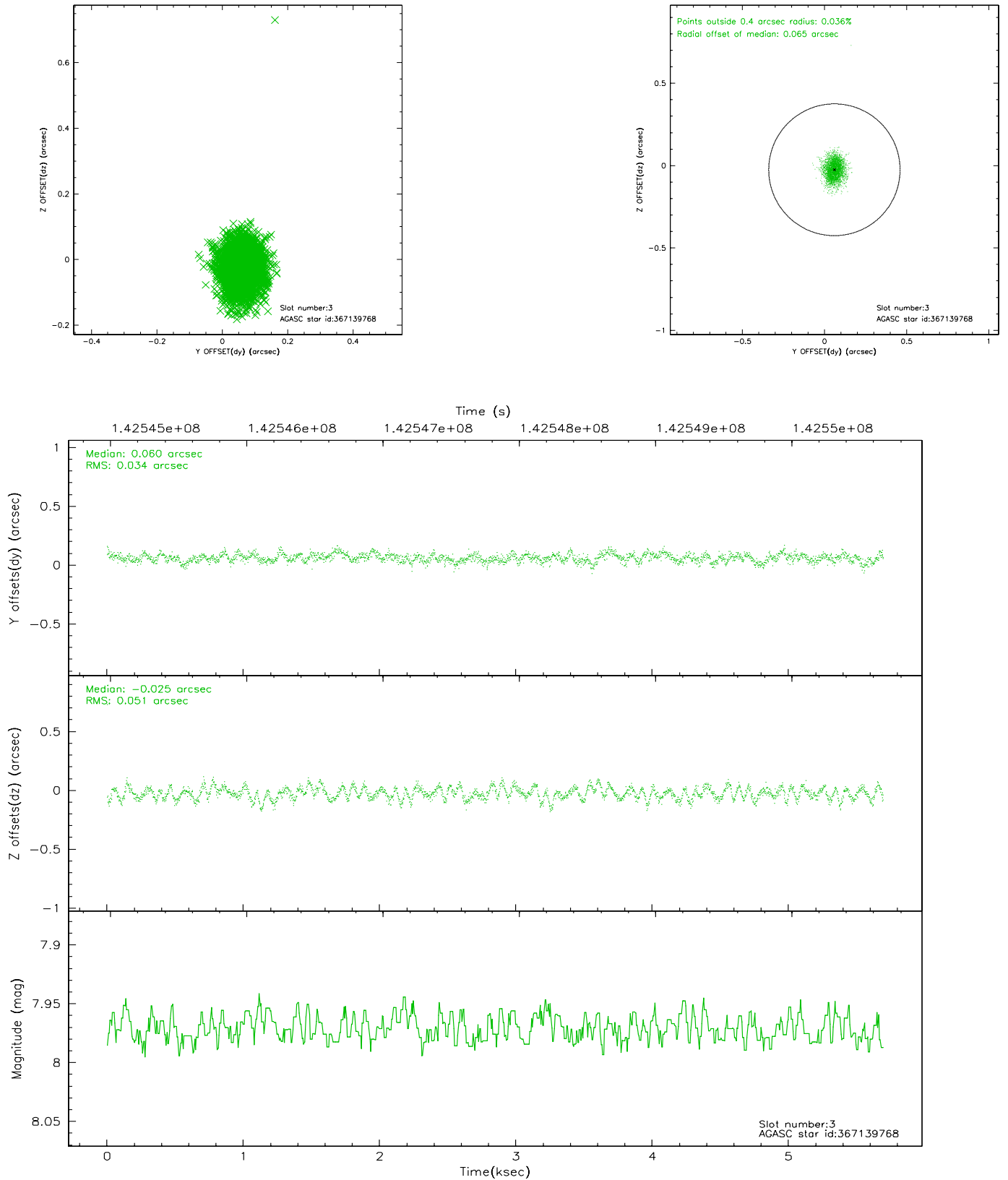


Slot Statistics

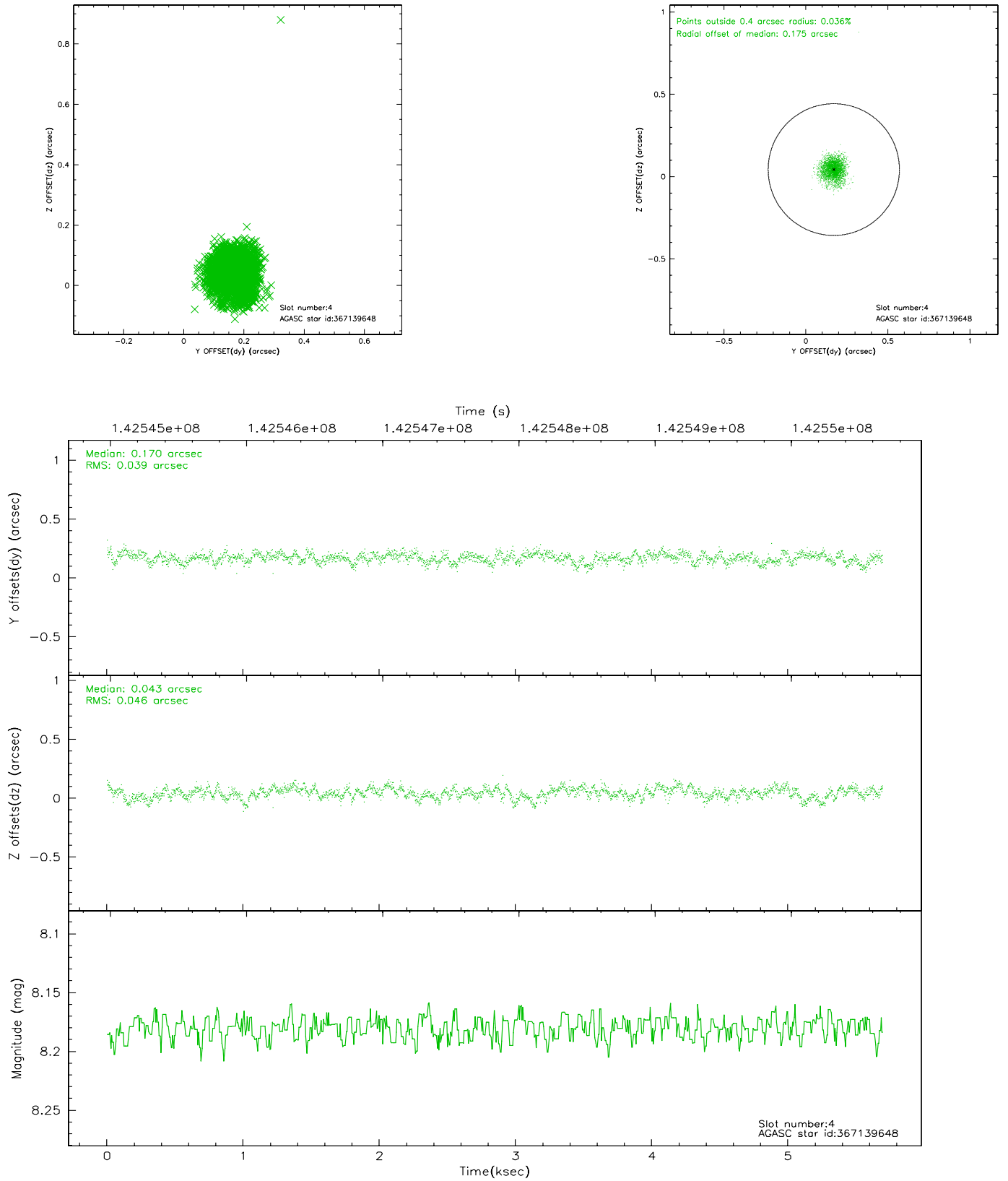
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1390	-0.021	0.062	0.007	0.012	0.000000	0.000000	936.89	-831.06
1	FID	ACIS-I-5	7.23	1390	-0.036	0.043	0.006	0.011	0.000000	0.000000	-1810.62	1065.93
2	FID	ACIS-I-6	7.26	1390	-0.034	-0.034	0.007	0.012	0.000000	0.000000	401.32	1711.51
3	GUIDE	367139768	7.97	2779	0.060	-0.025	0.063	0.104	11.069715	40.685175	-1278.44	-978.57
4	GUIDE	367139648	8.18	2779	0.170	0.043	0.063	0.103	11.021290	40.433909	-2072.95	-526.01
5	GUIDE	367674552	8.87	2778	-0.225	0.117	0.088	0.136	11.016238	41.570845	1742.73	-2005.29
6	GUIDE	367657896	9.01	2779	-0.182	0.121	0.073	0.119	11.197765	41.313576	703.23	-2125.32
7	GUIDE	367145856	9.28	2776	0.176	-0.256	0.073	0.116	10.744946	40.402085	-1901.49	220.20

2.4 Star Slots

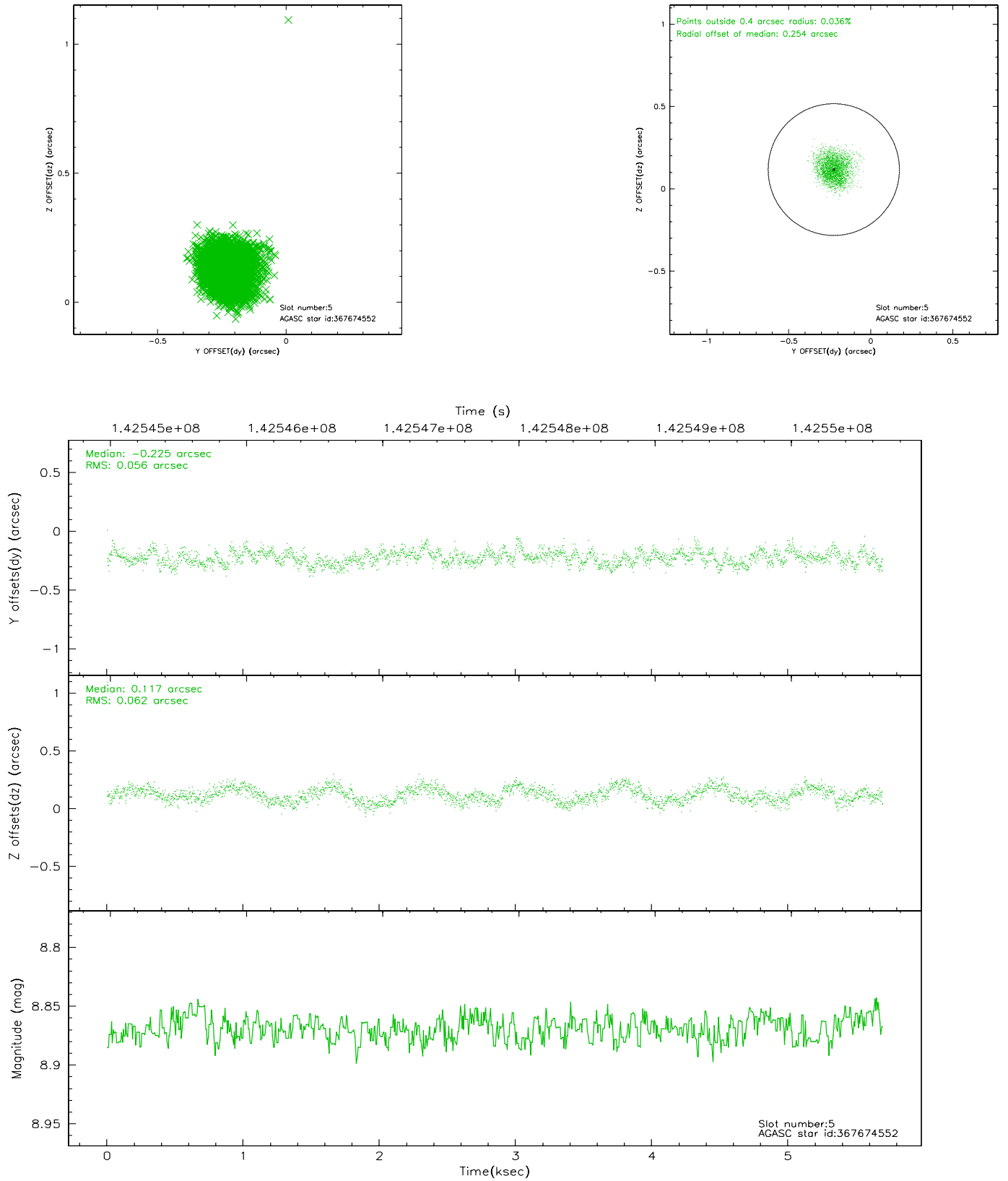
2.4.1 Slot 3



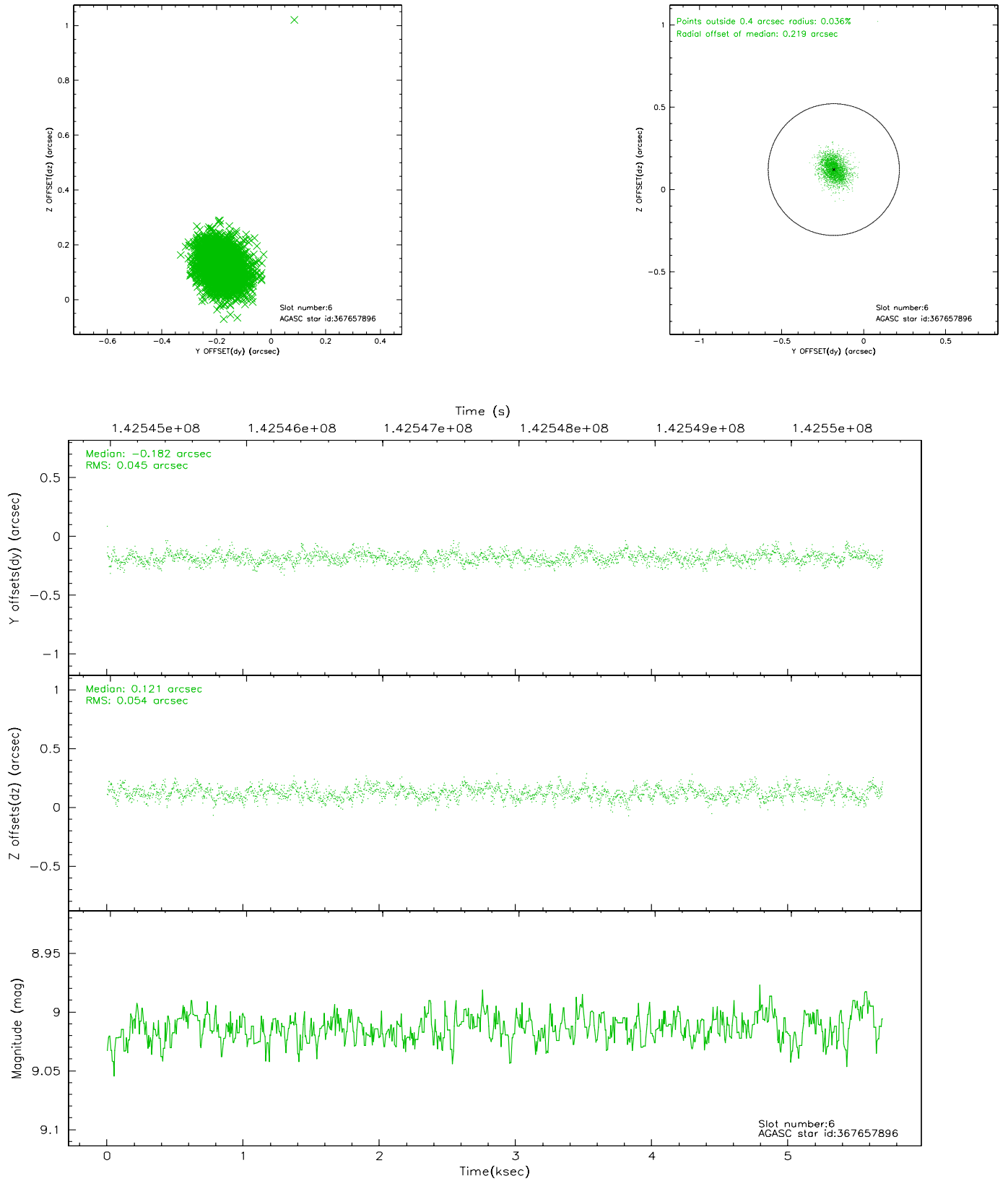
2.4.2 Slot 4



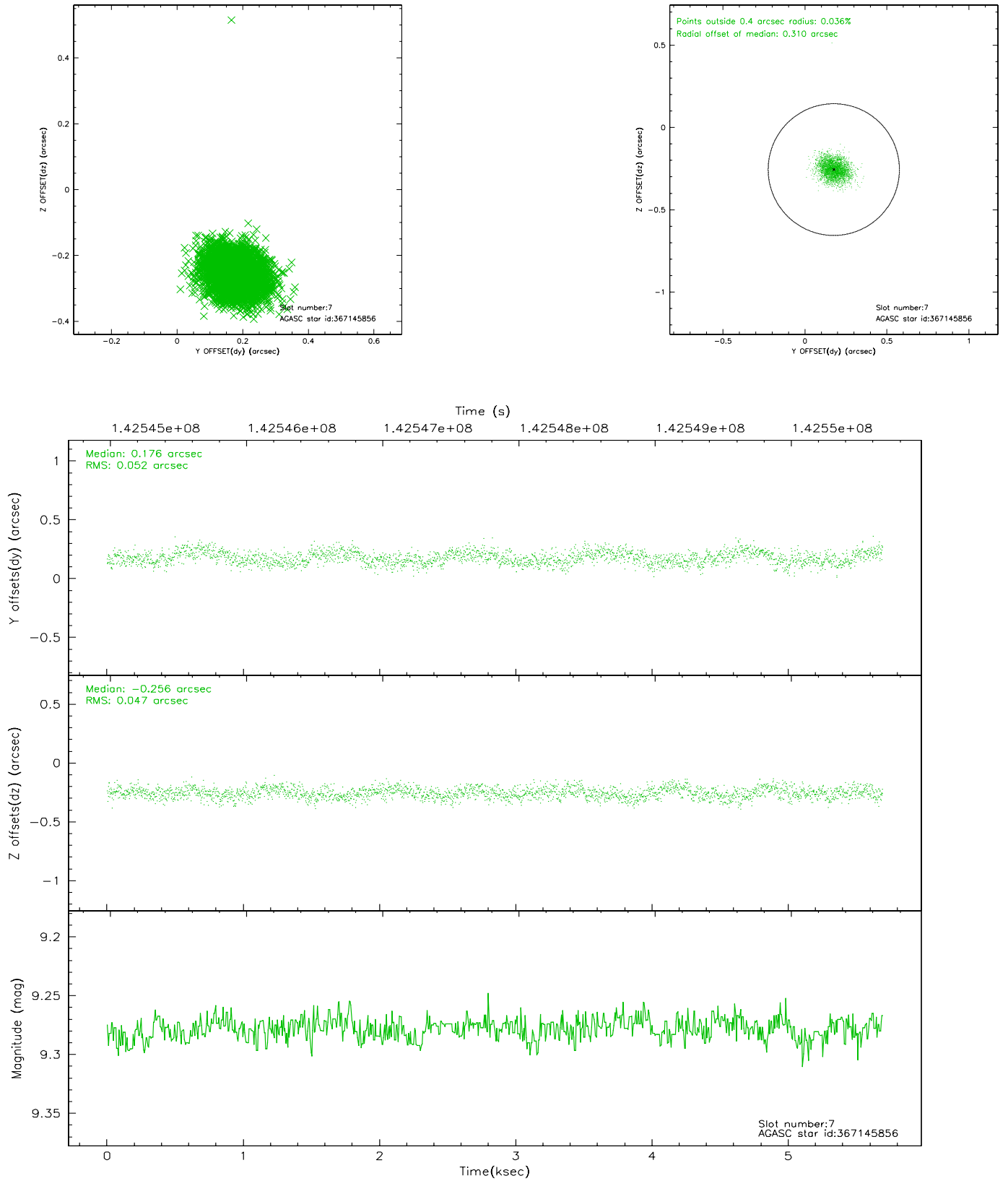
2.4.3 Slot 5



2.4.4 Slot 6

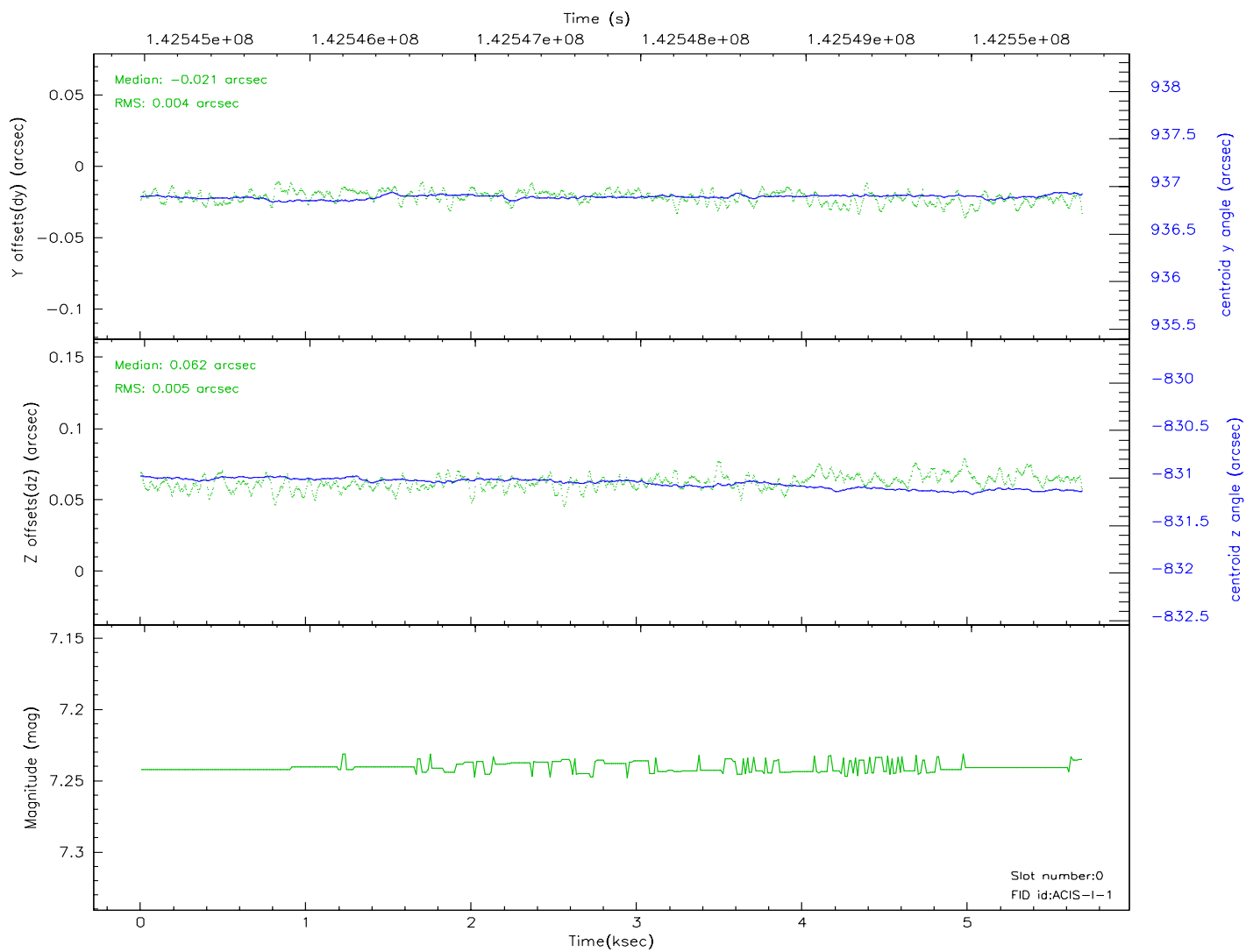
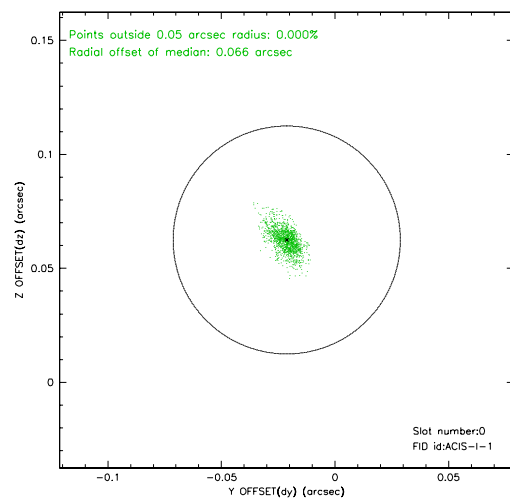
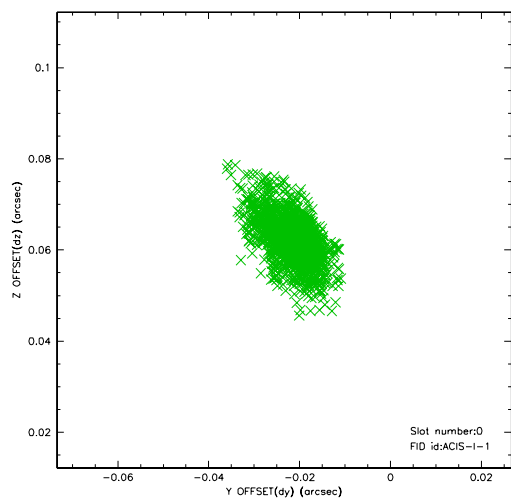


2.4.5 Slot 7

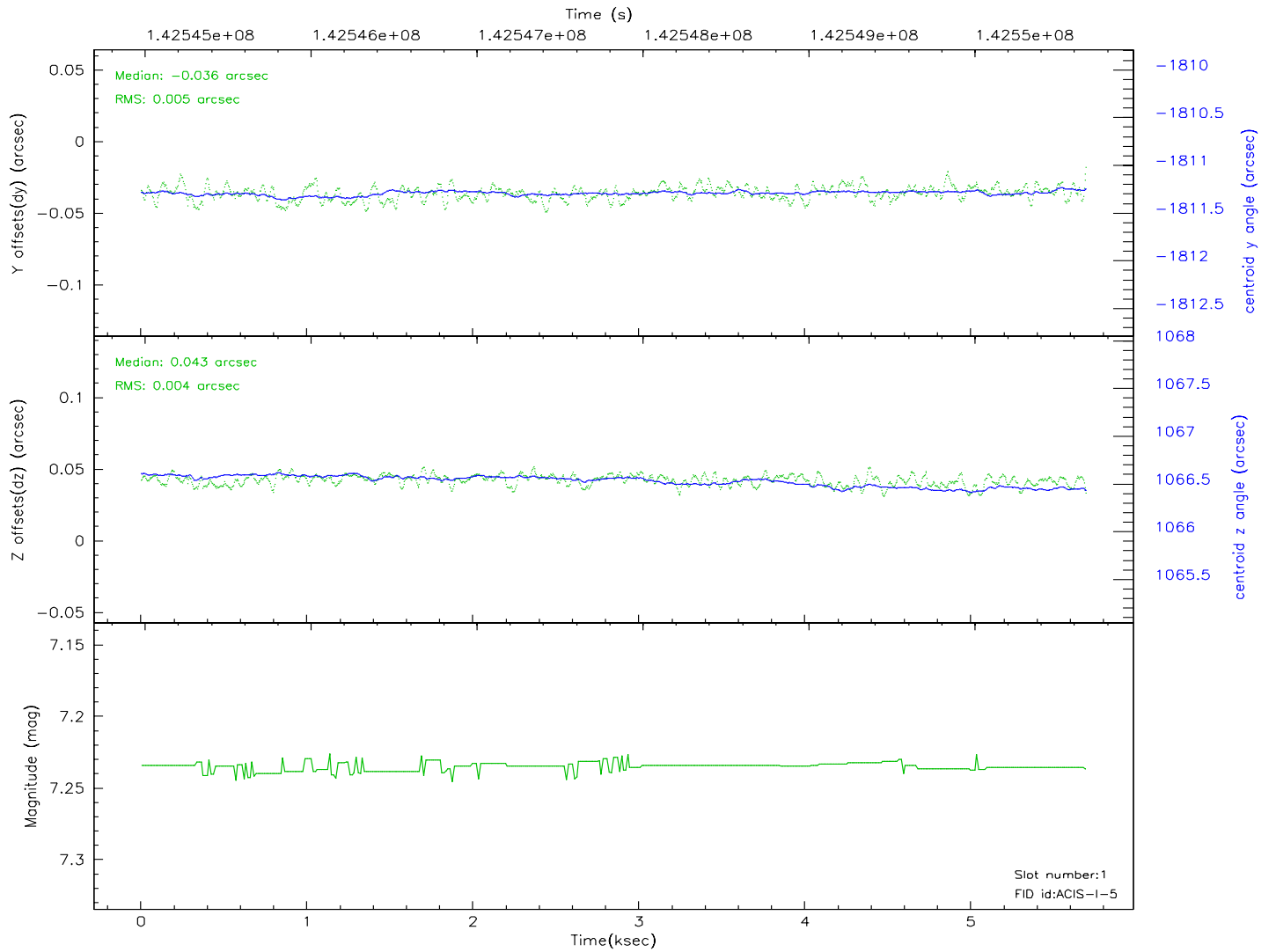
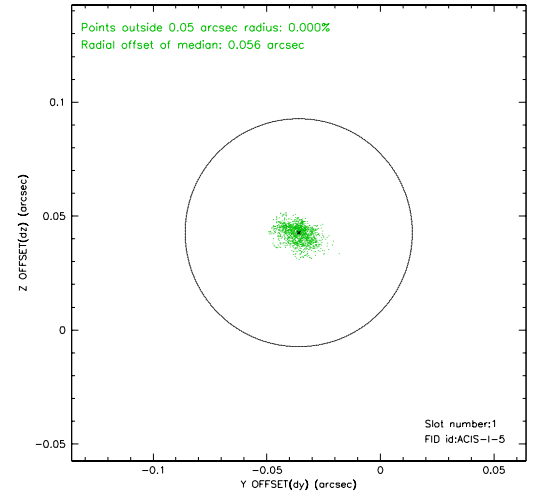
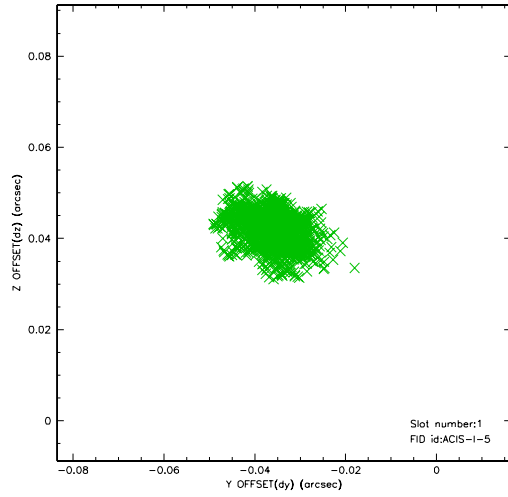


2.5 FID Slots

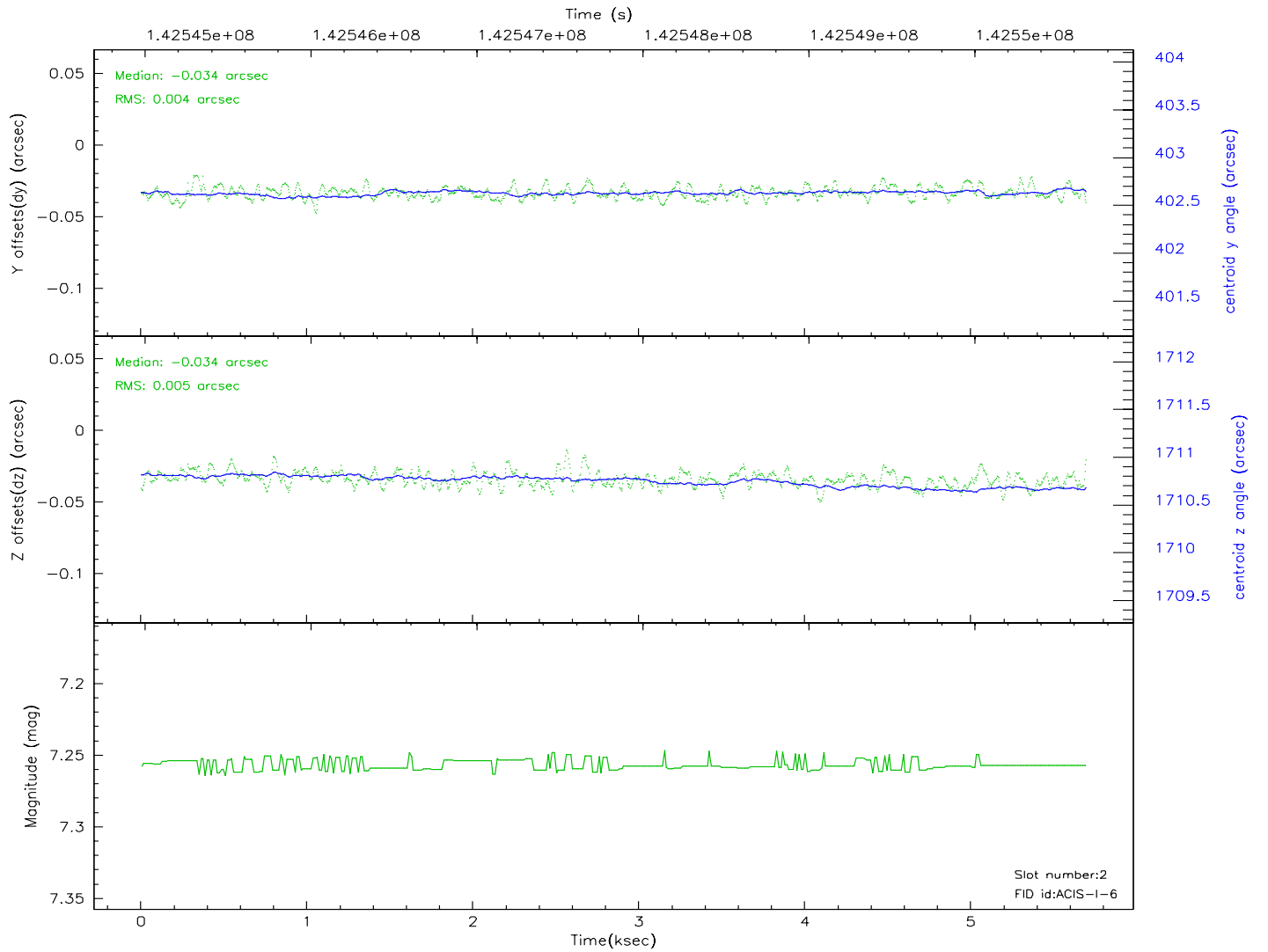
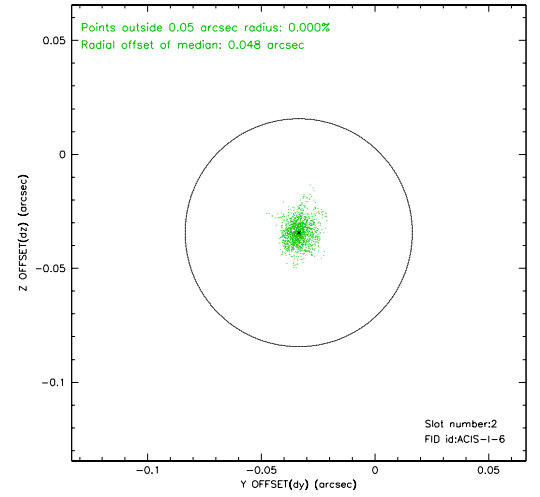
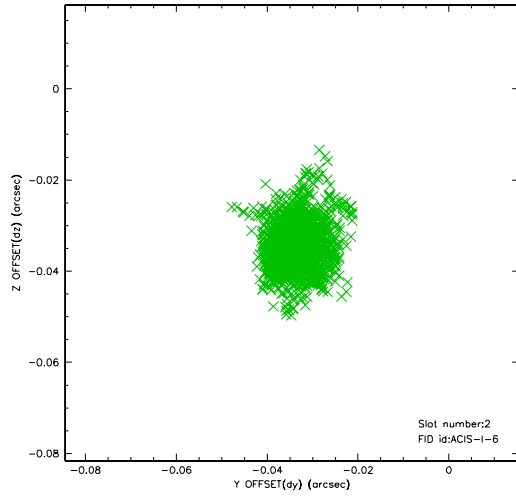
2.5.1 Slot 0



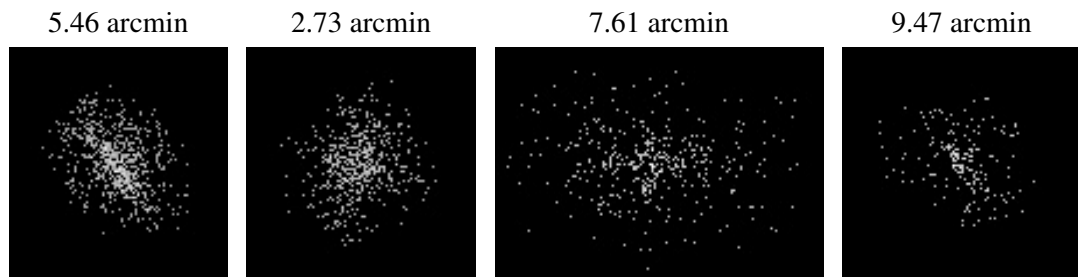
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.684

A.2 Comments

Window constraint satisfied.