

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4511 - L2 Version 001
Chandra X-Ray Center

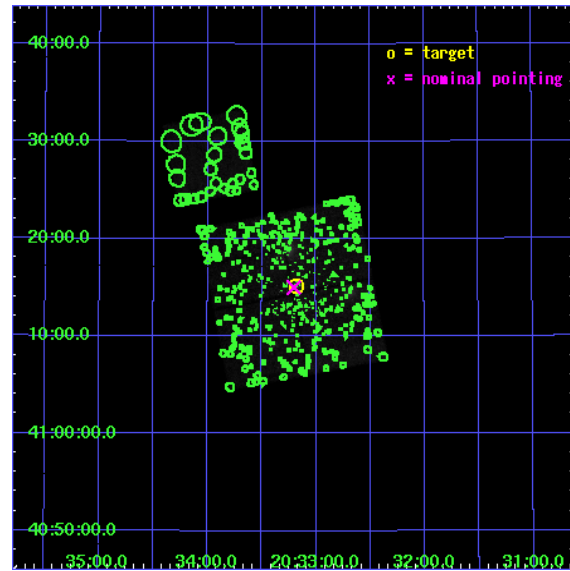
L2 Processing Date : Jun 6 2006

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

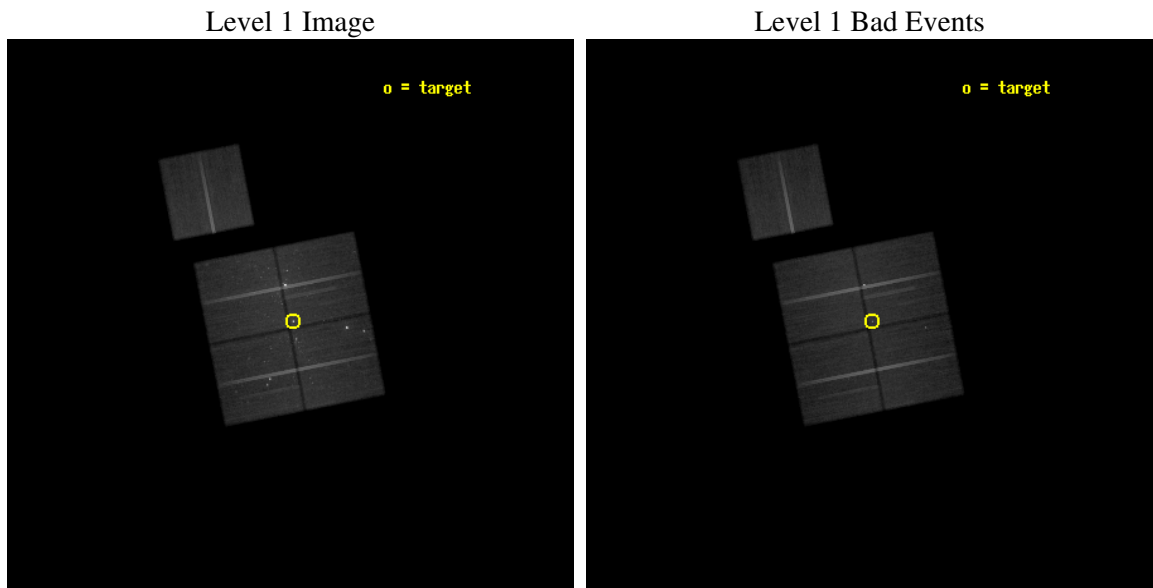
seq_num	200280
obs_id	4511
title	The young globular cluster Cygnus OB2
observer	Dr. Ettore Flaccomio
object	Cygnus OB2
dtcycle	0
cycle	P
ra_targ	308.295833
dec_targ	41.252778
ra_nom	308.30093708859
dec_nom	41.250189929189
roll_nom	348.9950852897
revision	2
ontime	97764.535970986
livetime	96487.170335321
ontime0	97767.676811635
ontime1	97764.535961032
ontime2	97764.535941064
ontime3	97764.535970986
ontime6	97773.958821863
l2events	426052



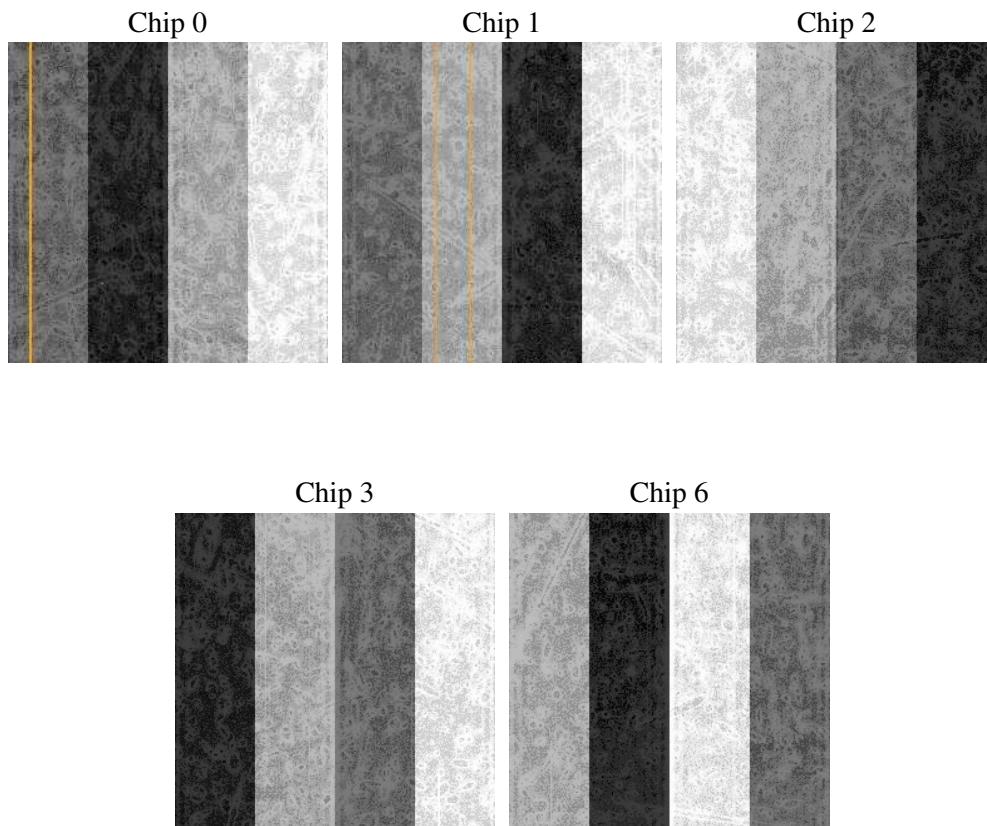
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-06T22:13:39
revision	2

sched_exp_time	97605.000000
ontime	98052.644654393
ontime0	98055.785495043
ontime1	98052.644644439
ontime2	98052.644624472
ontime3	98052.644654393
ontime6	98062.06750527
llevents	2773931

2.1.4 Events

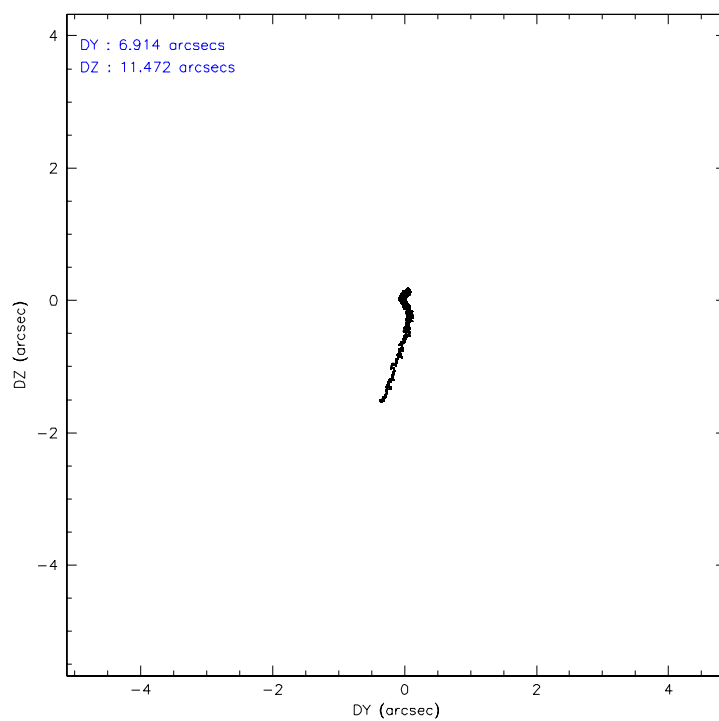
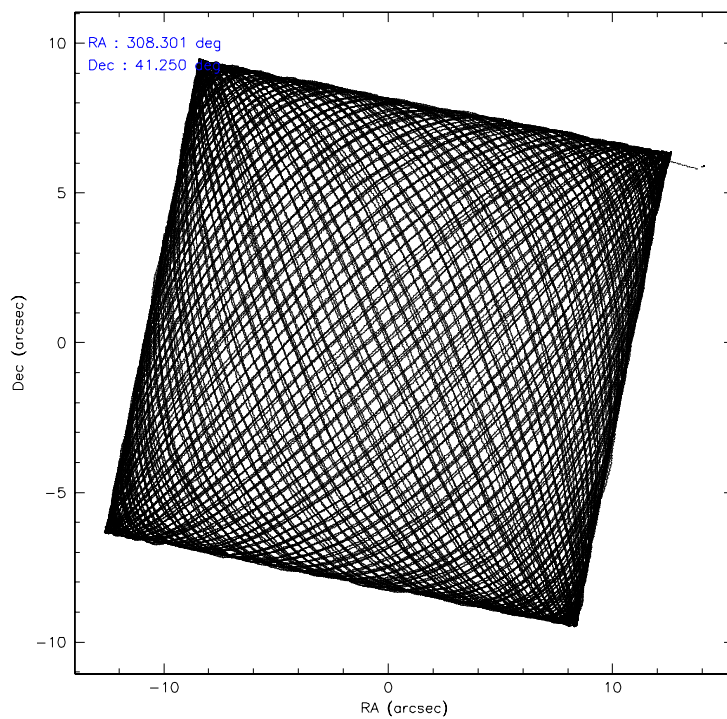
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	508010	546615	567648	625664	525994
rejected events	428921	427689	489795	476482	463499
rejected %	84%	78%	86%	76%	88%

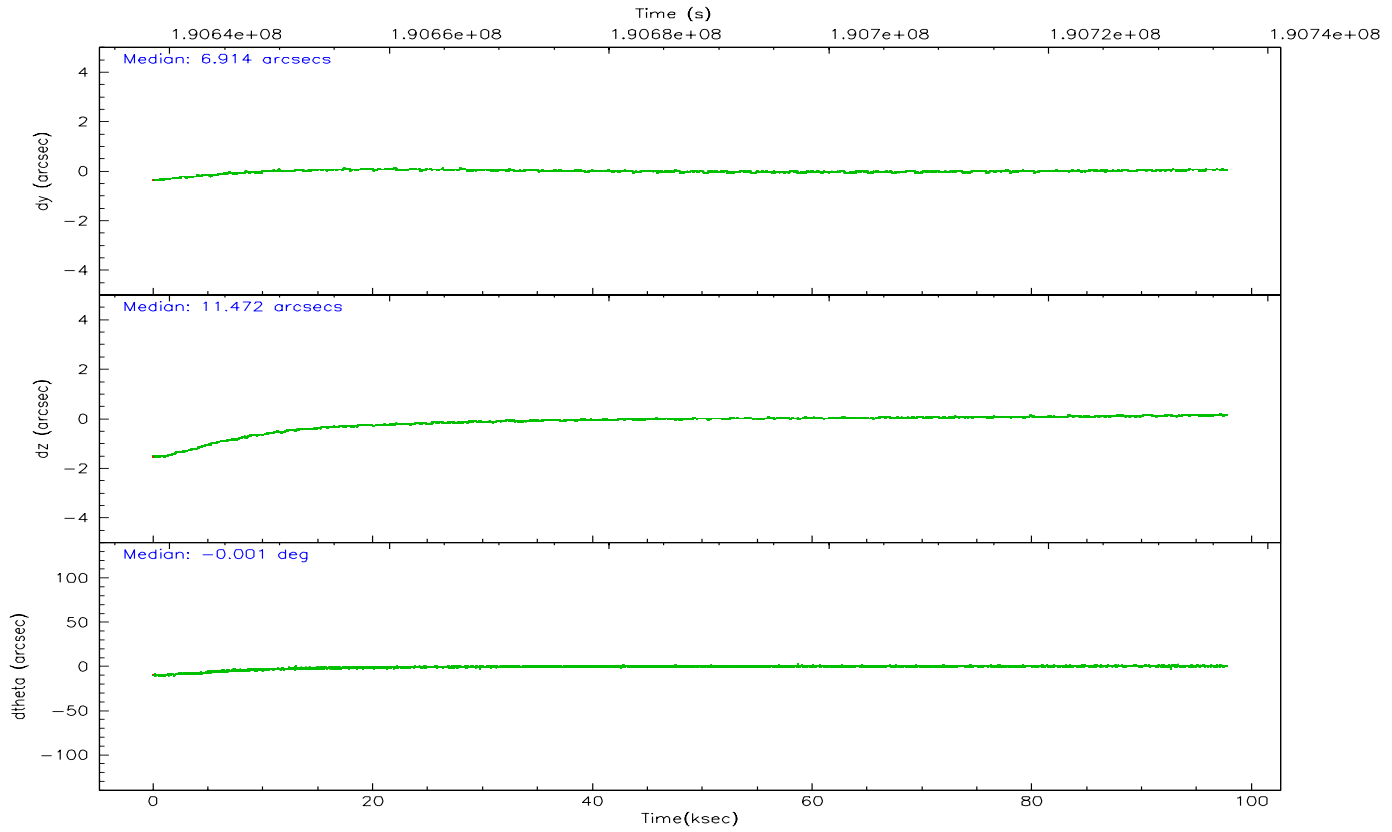
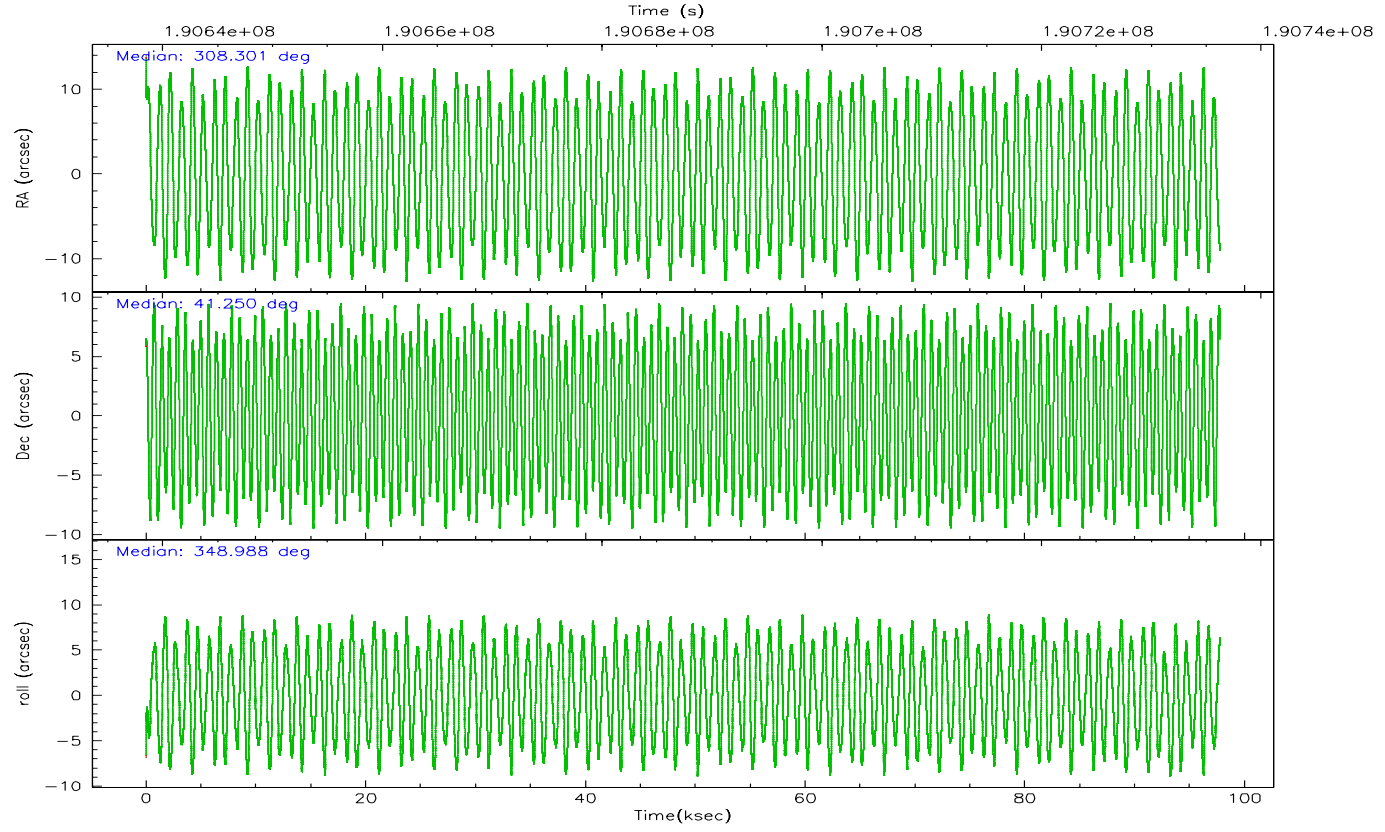
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	39759	69497	40306	93553	26307
	7%	12%	7%	14%	5%
grade 1 events	331	717	369	5835	230
	0%	0%	0%	0%	0%
grade 2 events	14744	19115	14511	23350	12327
	2%	3%	2%	3%	2%
grade 3 events	7155	8714	6542	9820	6364
	1%	1%	1%	1%	1%
grade 4 events	6652	8673	6695	9716	6332
	1%	1%	1%	1%	1%
grade 5 events	18480	20174	17814	23703	20906
	3%	3%	3%	3%	3%
grade 6 events	11010	13236	10039	13020	11354
	2%	2%	1%	2%	2%
grade 7 events	409879	406489	471372	446667	442174
	80%	74%	83%	71%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	308.266556	308.3009370885866	Alternating exposures requested	N	N
Pointing Dec	41.241167	41.25018992918881	Primary exposure time	0.000000	3.1
Pointing Roll	348.809067	348.9950852897029			
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	190638667.184000	190637538.59358			
Observation start date	2004-01-16T11:10:03	2004-01-16T10:52:18			
Observation end time	190736272.184000	190738008.58546			
Observation end date	2004-01-17T14:16:48	2004-01-17T14:46:48			
Read mode	TIMED	TIMED			

2.3 Aspect



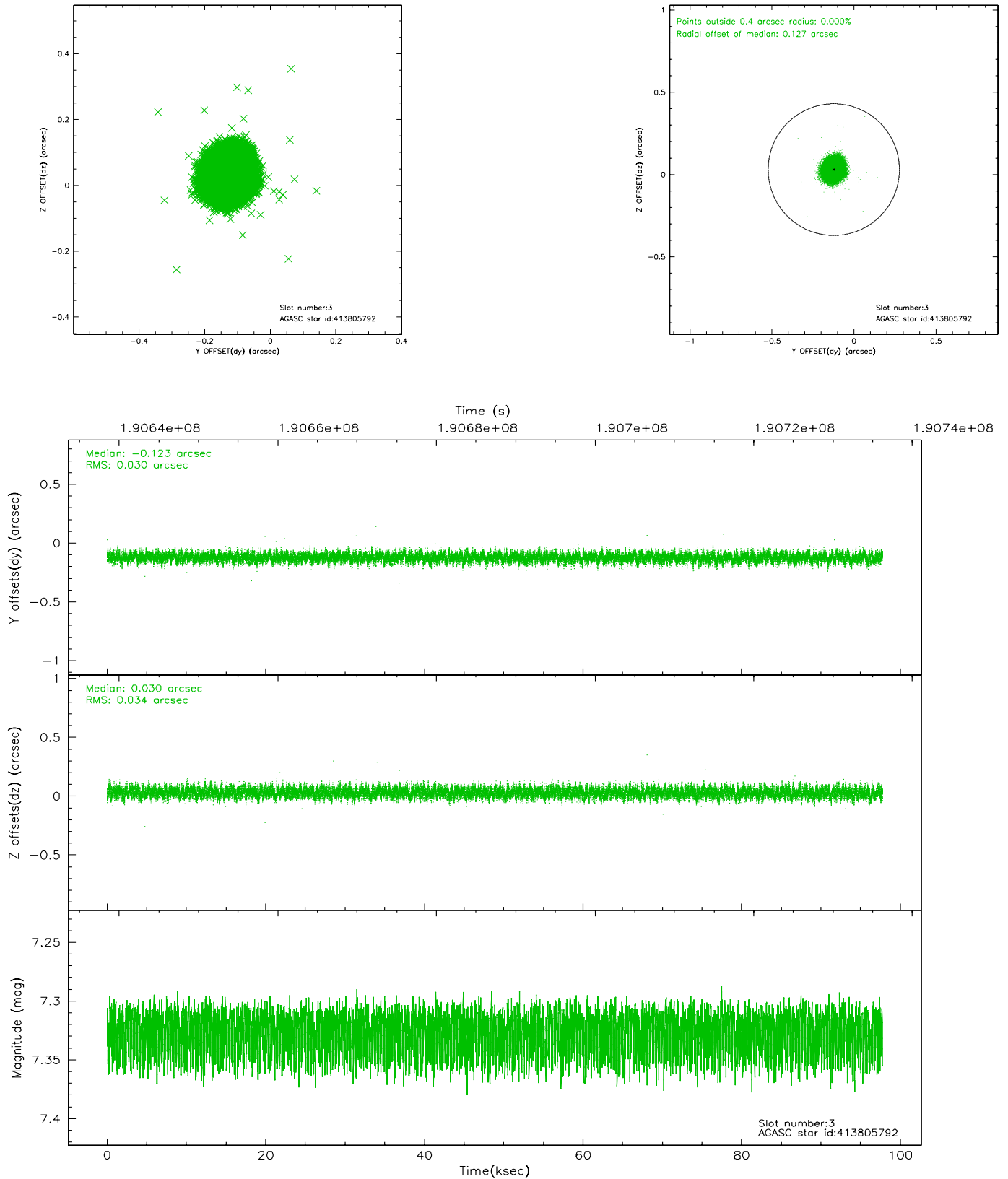


Slot Statistics

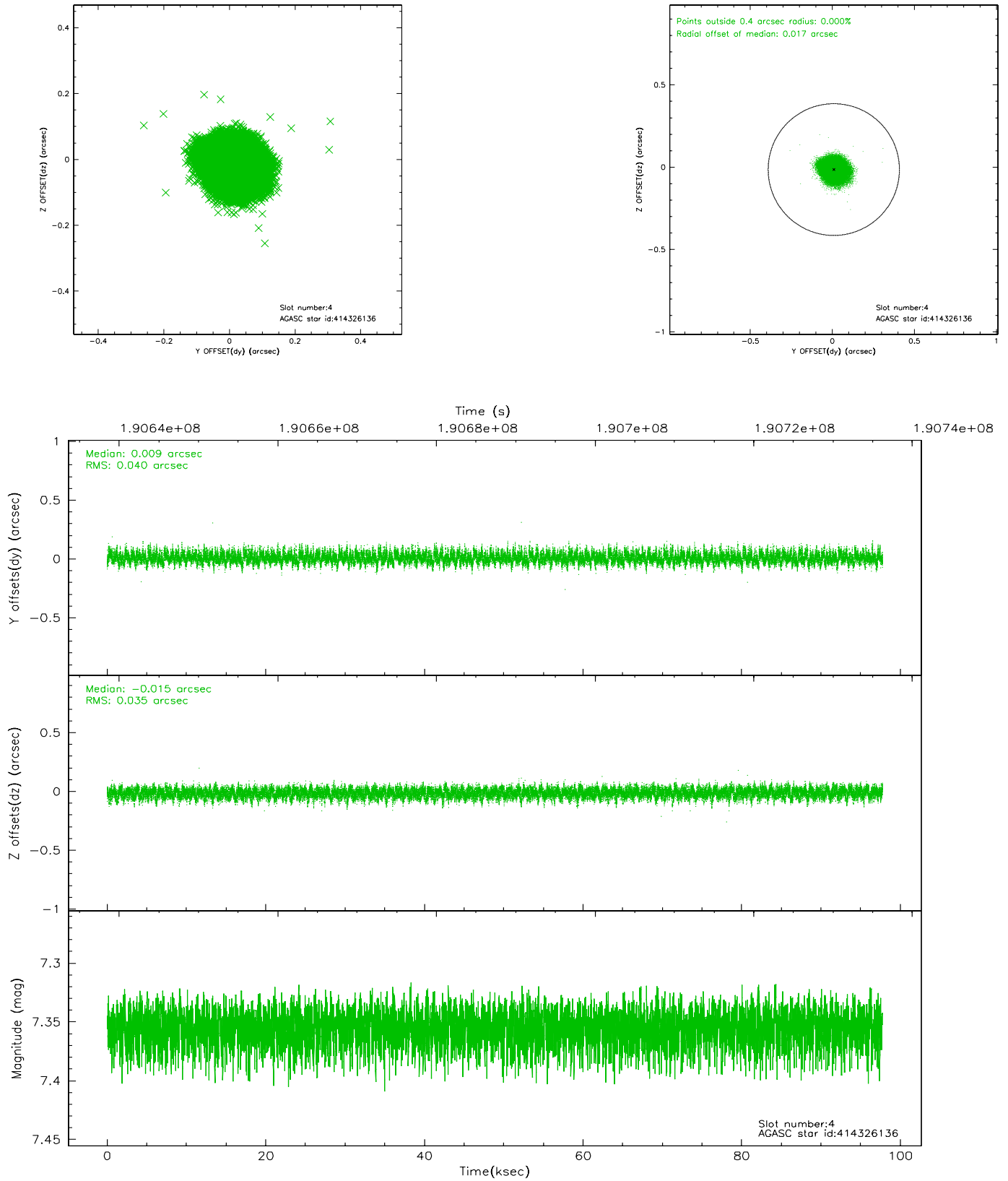
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	23850	0.016	0.012	0.008	0.014	0.000000	0.000000	932.78	-834.83
1	FID	ACIS-I-5	7.23	23849	-0.078	0.062	0.009	0.052	0.000000	0.000000	-1815.44	1062.78
2	FID	ACIS-I-6	7.25	23847	-0.030	-0.002	0.010	0.044	0.000000	0.000000	398.40	1707.10
3	GUIDE	413805792	7.32	47698	-0.123	0.030	0.048	0.076	307.778748	40.858024	-1035.67	-1607.09
4	GUIDE	414326136	7.36	47692	0.009	-0.015	0.057	0.091	308.256176	41.473642	-189.74	815.72
5	GUIDE	413796456	8.68	47694	-0.034	0.042	0.074	0.120	308.312084	40.613132	561.36	-2193.55
6	GUIDE	413798232	8.32	47557	0.102	0.112	0.081	0.125	309.116117	41.044272	2398.52	-236.27
7	GUIDE	414324824	7.04	47695	0.046	-0.167	0.059	0.097	308.215183	41.898482	-595.27	2296.19

2.4 Star Slots

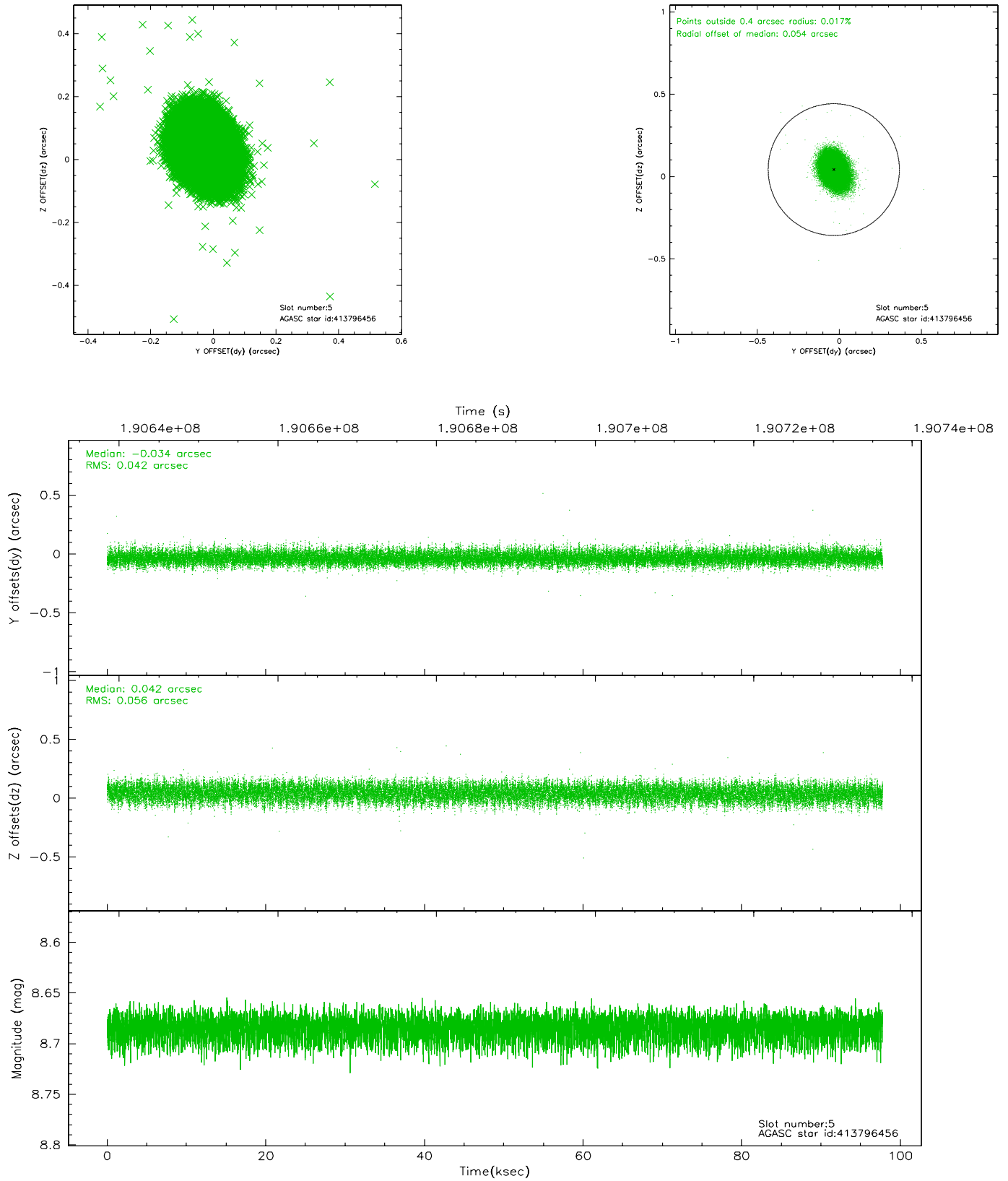
2.4.1 Slot 3



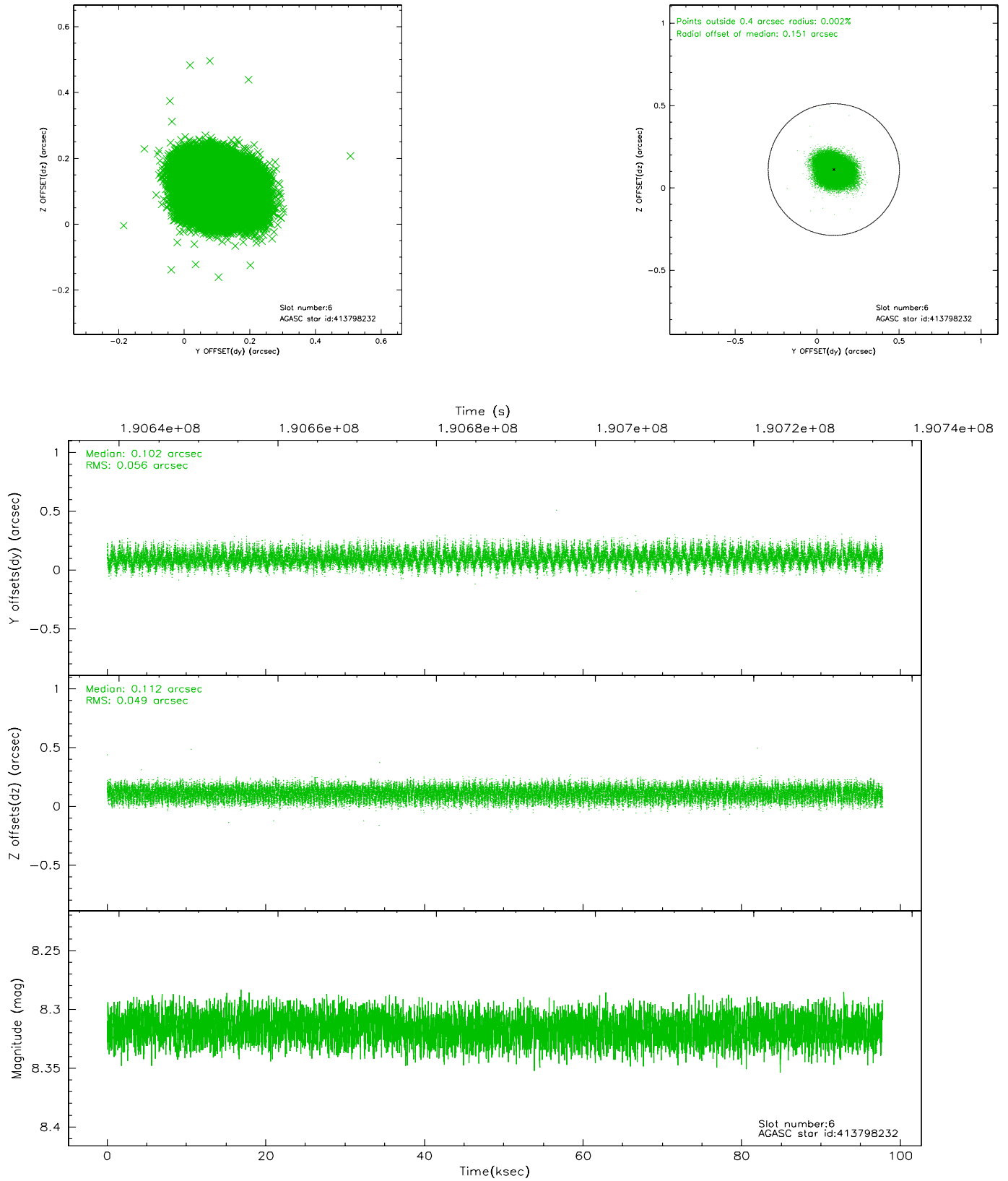
2.4.2 Slot 4



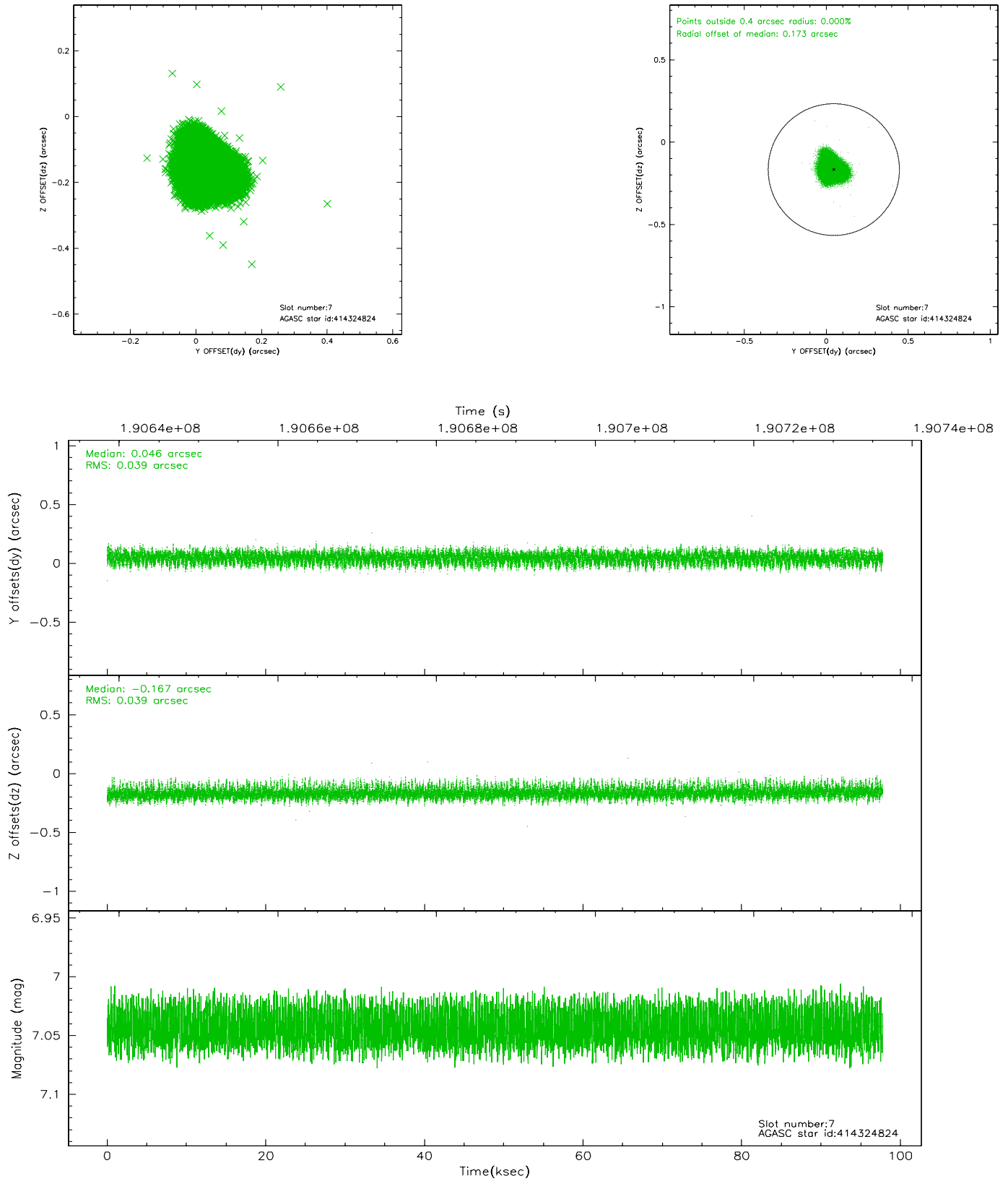
2.4.3 Slot 5



2.4.4 Slot 6

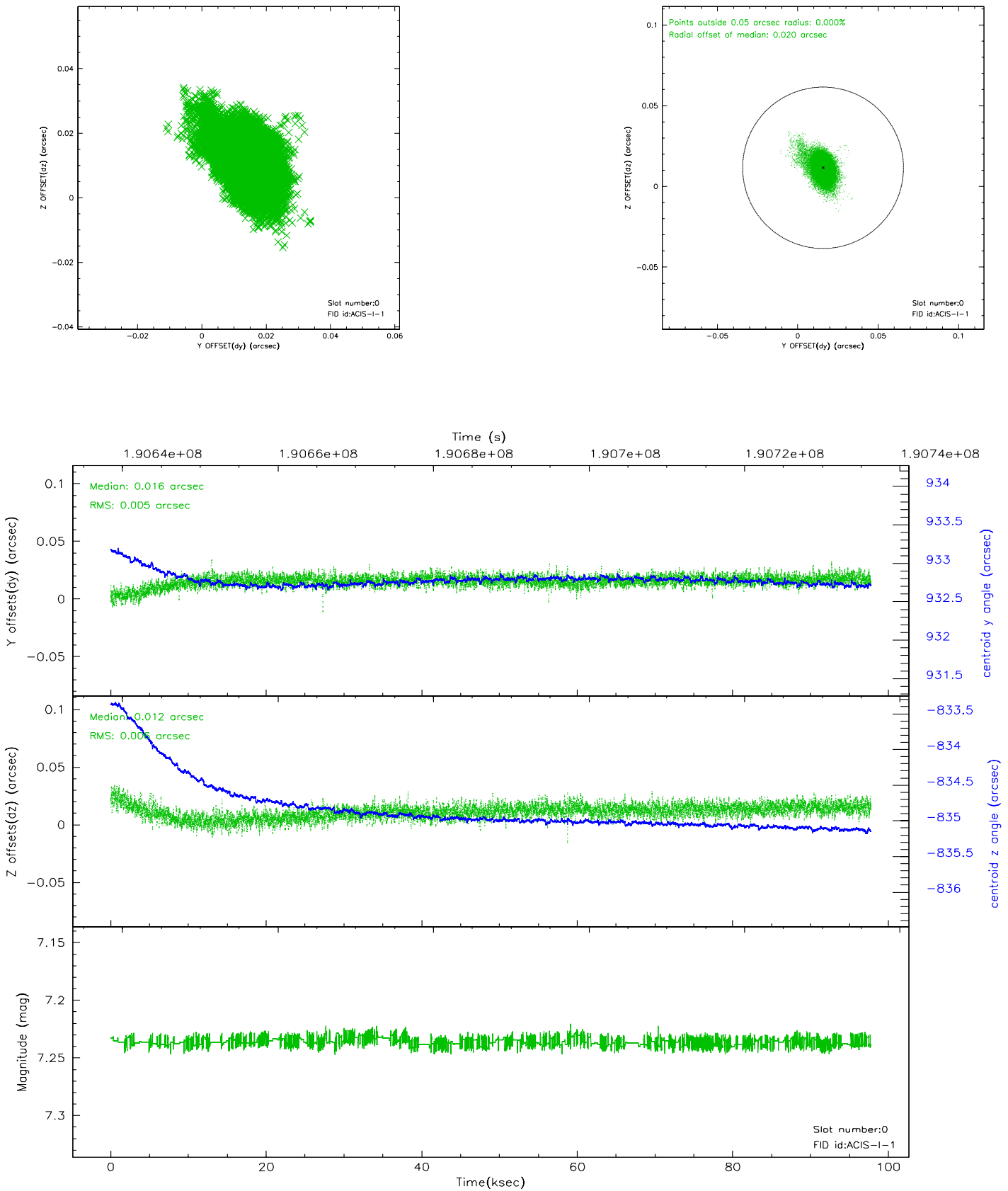


2.4.5 Slot 7

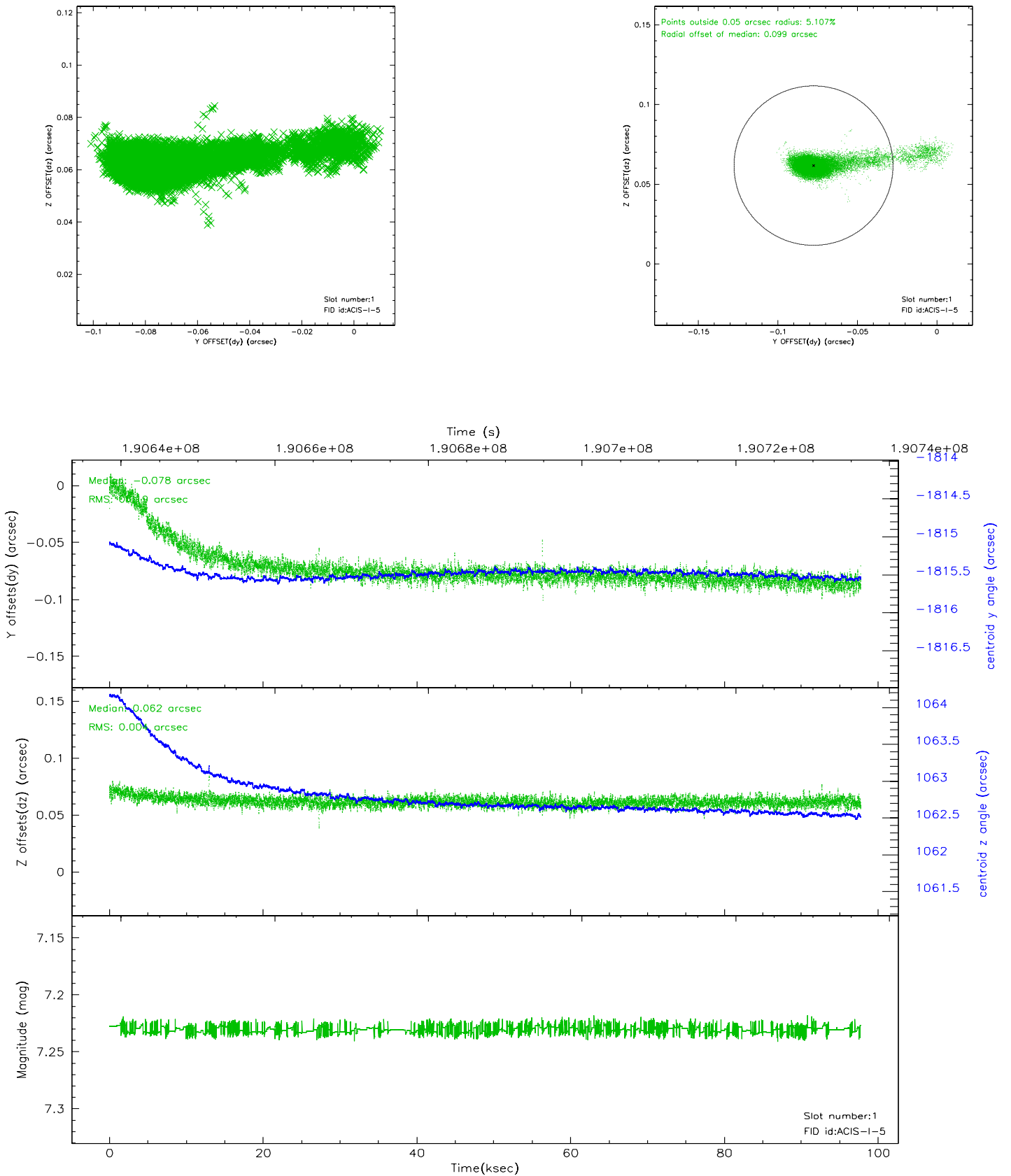


2.5 FID Slots

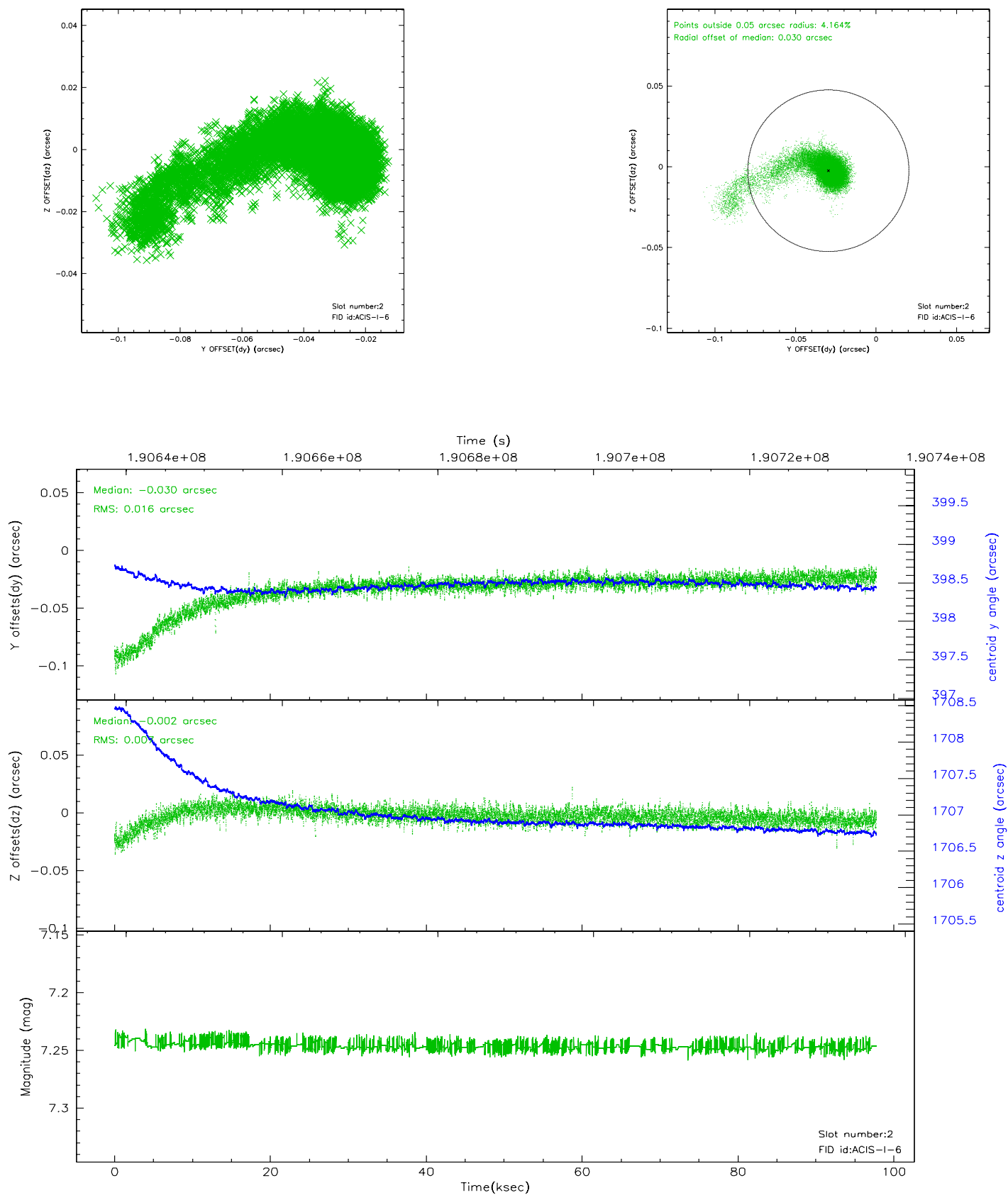
2.5.1 Slot 0



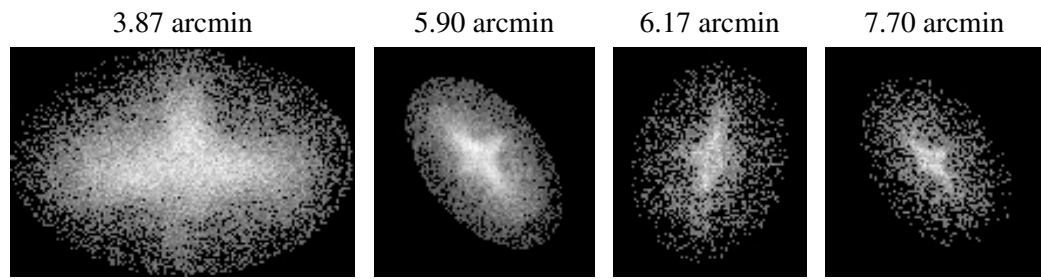
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	97.764

A.2 Comments