

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 3906 - L2 Version 001
Chandra X-Ray Center

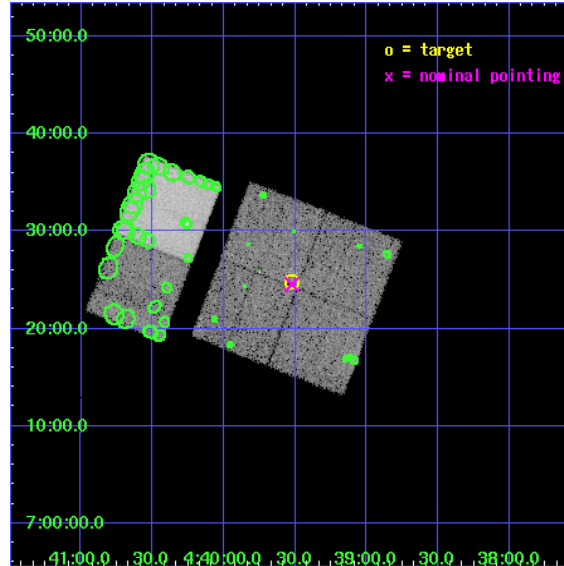
L2 Processing Date : Jun 6 2006

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1 Front

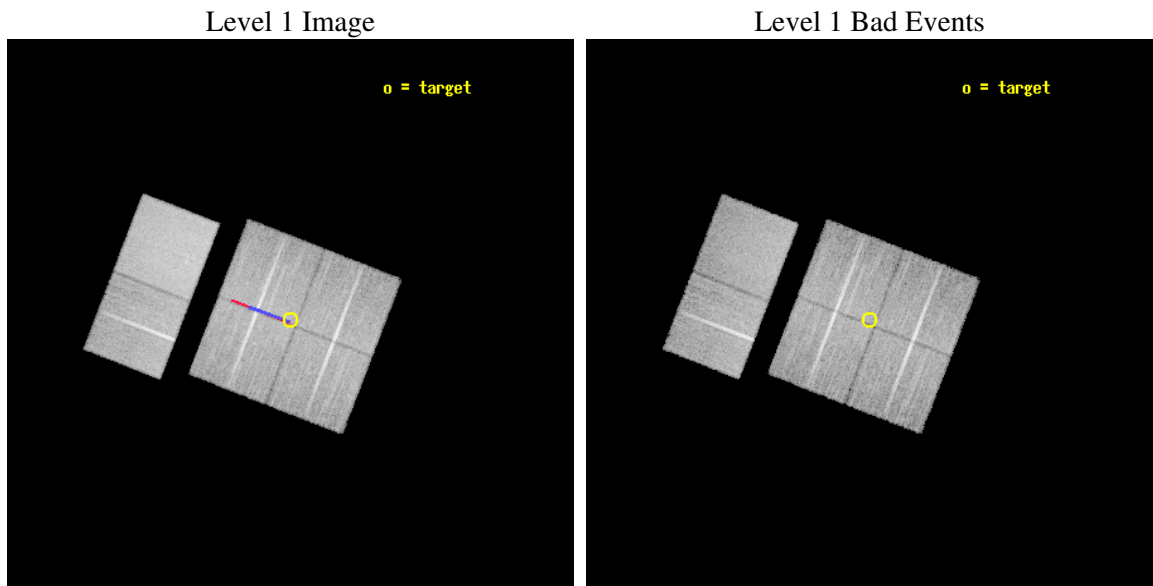
seq_num	500385
obs_id	3906
title	THE ORIGIN OF X-RAY RICH GAMMA-RAY BURSTS: HIGH-Z EVENTS AND NEW COSMIC EXPLOSIONS
observer	Dr Luigi Piro
object	GRB031220
dtcycle	0
cycle	P
ra_targ	69.881083
dec_targ	7.413611
ra_nom	69.880917627962
dec_nom	7.4090151996123
roll_nom	291.20870746184
revision	2
ontime	19660.799926758
livetime	19411.843039773
ontime0	19660.799926758
ontime1	19660.799926758
ontime2	19660.799926758
ontime3	19660.799926758
ontime6	19660.799926758
ontime7	19660.799926758
l2events	148023



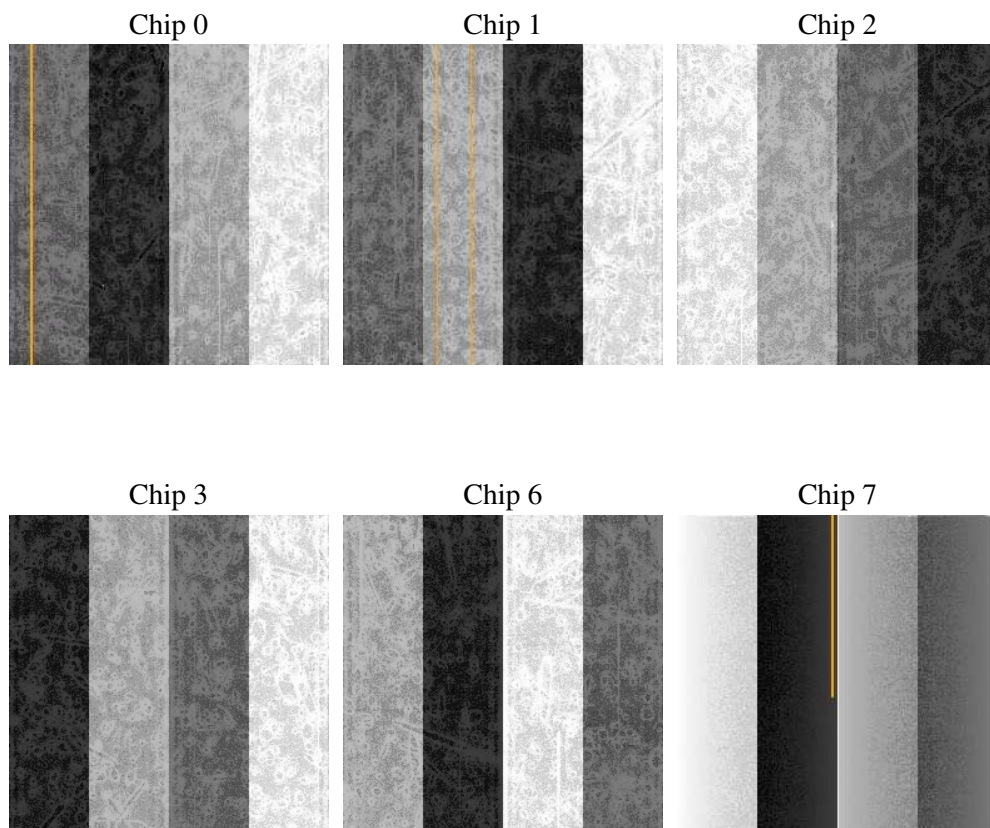
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-06T20:50:12
revision	2

sched_exp_time	19521.529000
ontime	21500.842687339
ontime0	21500.842687339
ontime1	21500.842687339
ontime2	21500.842687339
ontime3	21500.842687339
ontime6	21500.842687339
ontime7	21500.842687339
l1events	868340

2.1.4 Events

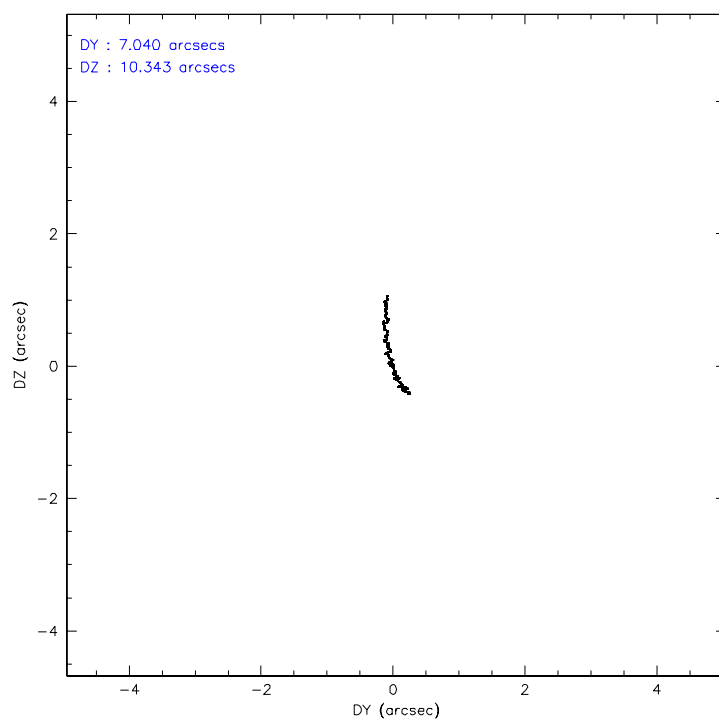
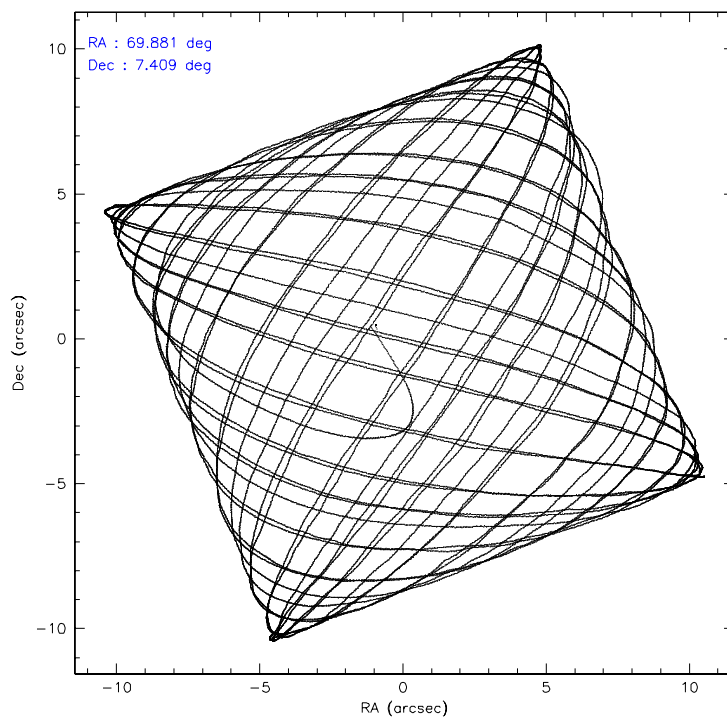
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	126377	130579	134850	134052	142933	199549
rejected events	108575	113356	118517	117490	125583	124454
rejected %	85%	86%	87%	87%	87%	62%

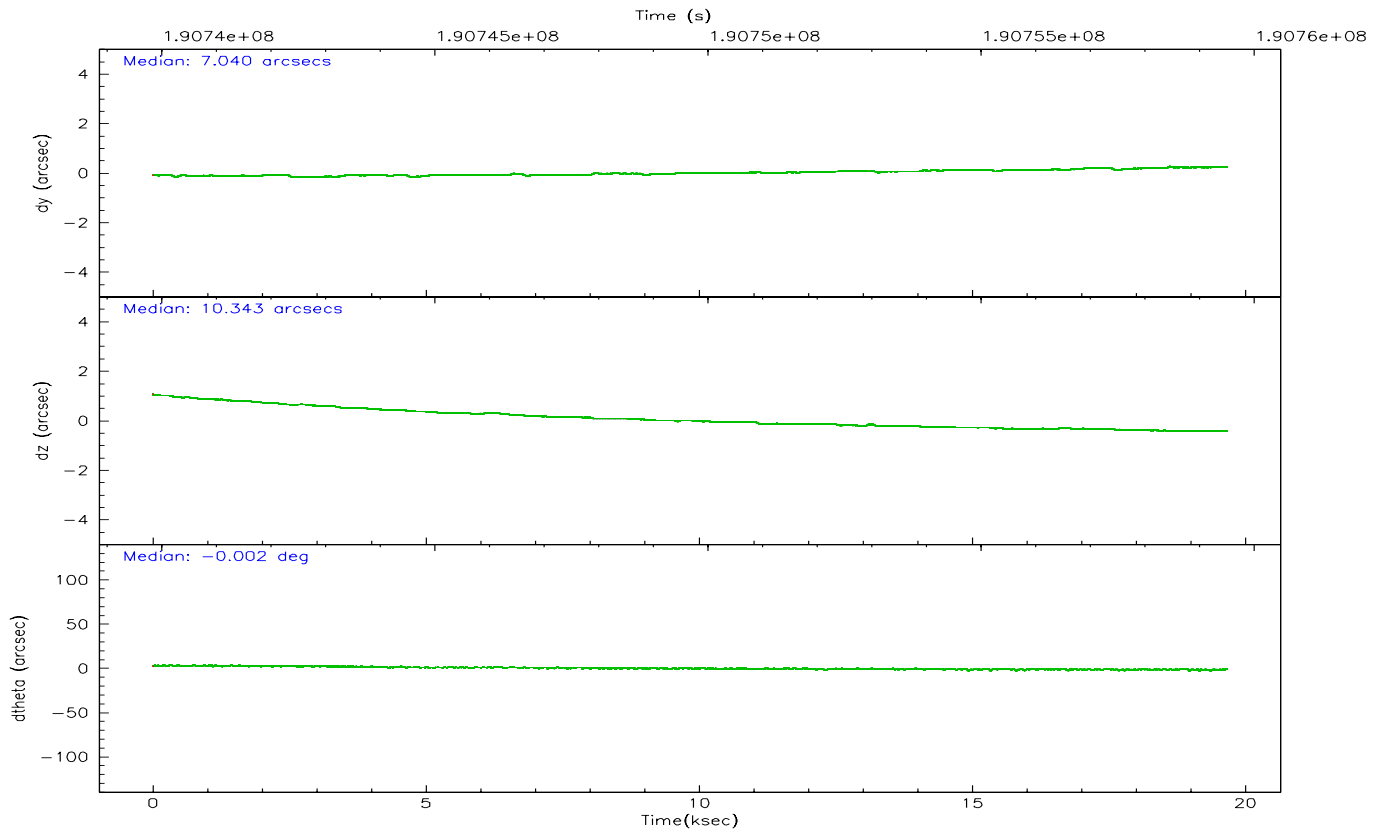
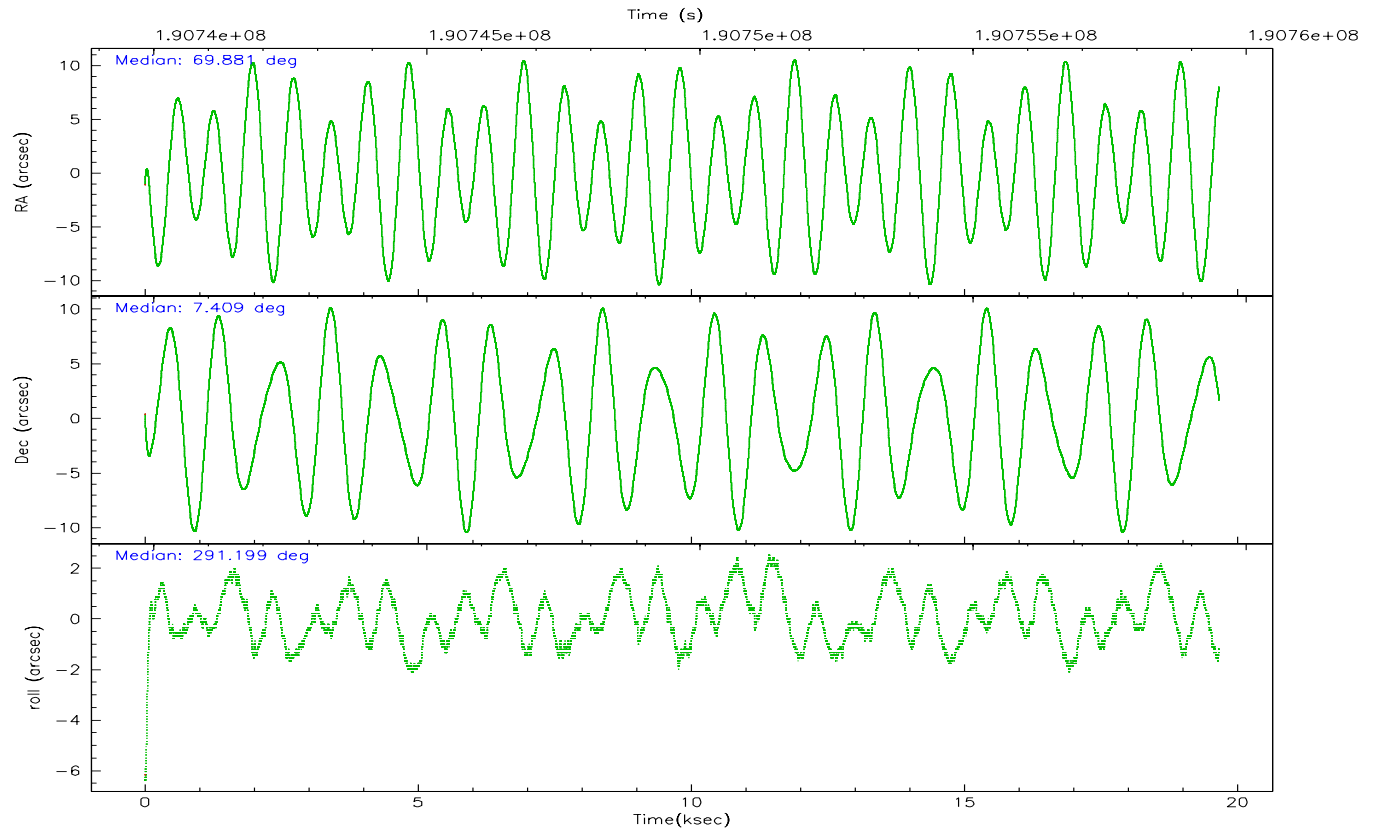
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	9093	7827	8309	8476	8250	5116
	7%	5%	6%	6%	5%	2%
grade 1 events	92	63	73	78	62	129
	0%	0%	0%	0%	0%	0%
grade 2 events	3852	3993	3394	3396	3889	19836
	3%	3%	2%	2%	2%	9%
grade 3 events	1676	1811	1610	1607	1627	4065
	1%	1%	1%	1%	1%	2%
grade 4 events	1588	1763	1633	1635	1664	4031
	1%	1%	1%	1%	1%	2%
grade 5 events	5565	5818	5329	6232	6434	11932
	4%	4%	3%	4%	4%	5%
grade 6 events	3103	3361	2869	2888	3494	49631
	2%	2%	2%	2%	2%	24%
grade 7 events	101408	105943	111633	109740	117513	104809
	80%	81%	82%	81%	82%	52%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	69.859343	69.88091762796236	Alternating exposures requested	N	N
Pointing Dec	7.426050	7.409015199612257	Primary exposure time	0.000000	3.2
Pointing Roll	291.002814	291.2087074618442			
Roll angle	290.000000	290.000000			
Roll tolerance	1.000000	1.000000			
Roll constraint allows 180D rotation	N	N			
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	190739988.184000	190738008.58546			
Observation start date	2004-01-17T15:18:44	2004-01-17T14:46:48			
Observation end time	190759509.184000	190759823.66142			
Observation end date	2004-01-17T20:44:05	2004-01-17T20:50:23			
Read mode	TIMED	TIMED			

2.3 Aspect



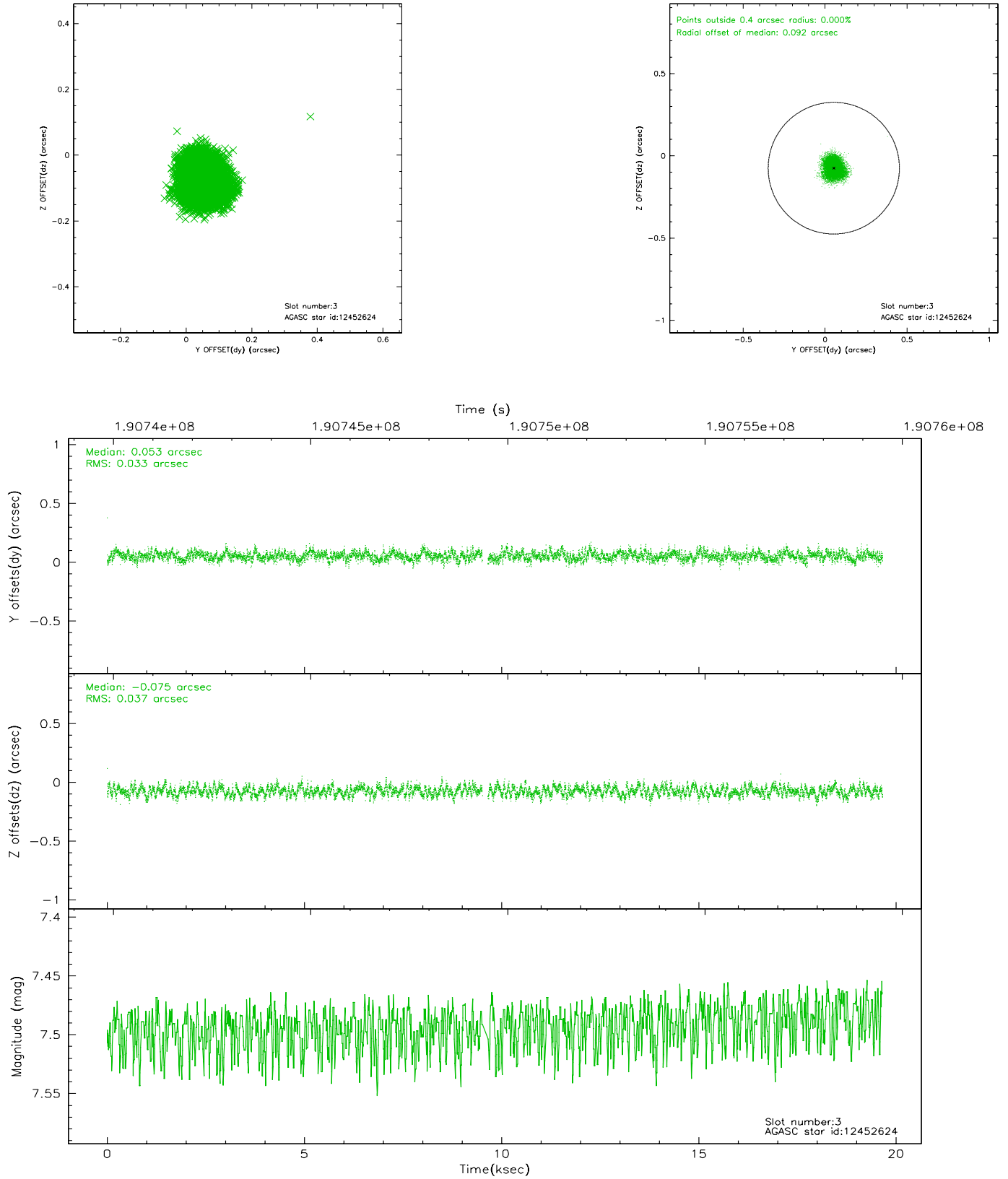


Slot Statistics

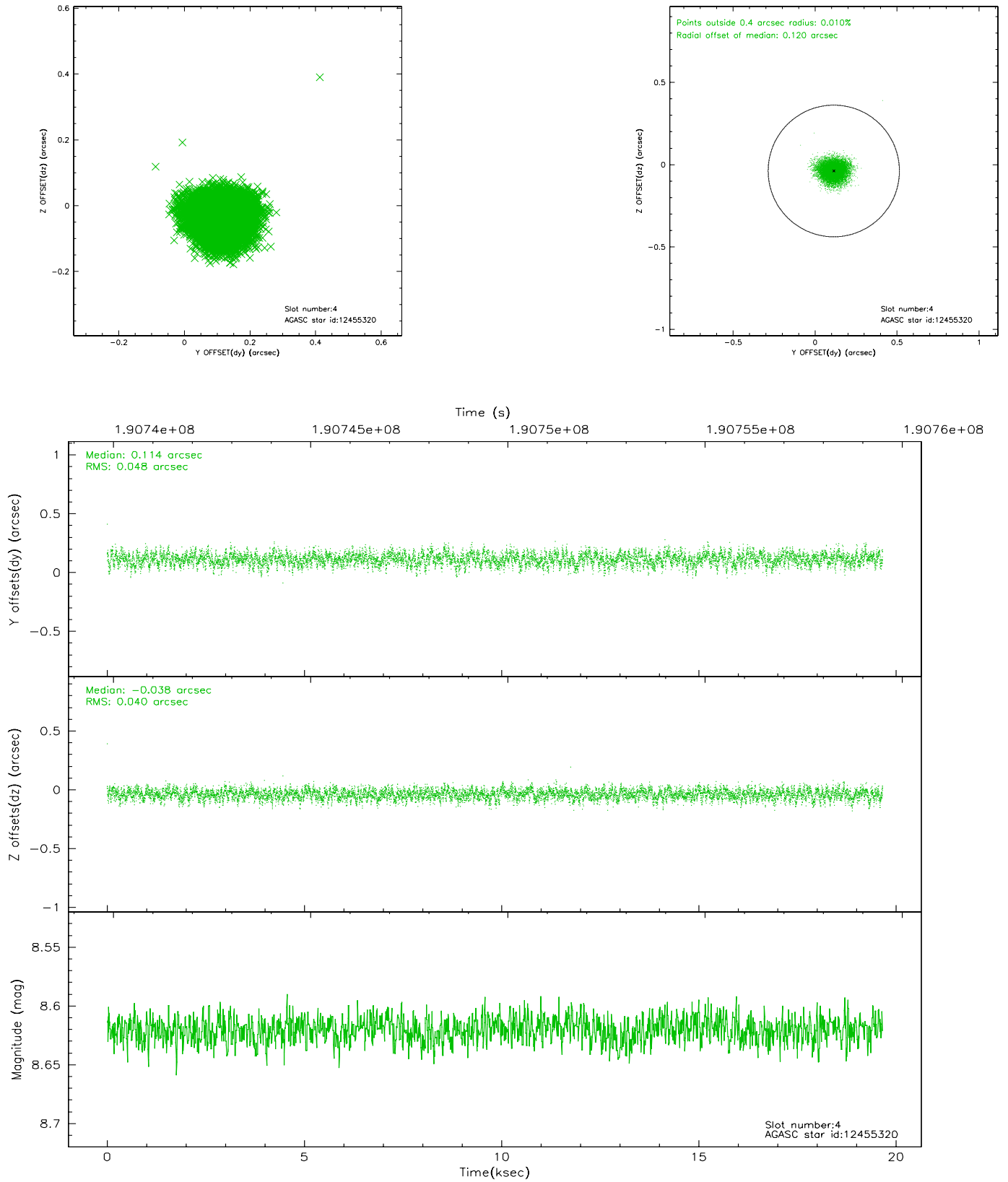
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4797	-0.014	0.037	0.015	0.027	0.000000	0.000000	932.61	-833.89
1	FID	ACIS-I-5	7.23	4797	-0.106	0.025	0.010	0.019	0.000000	0.000000	-1815.47	1063.51
2	FID	ACIS-I-6	7.25	4796	0.028	0.008	0.013	0.022	0.000000	0.000000	398.00	1708.20
3	GUIDE	12452624	7.49	9523	0.053	-0.075	0.052	0.083	69.476403	7.317631	-125.59	-1415.98
4	GUIDE	12455320	8.62	9591	0.114	-0.038	0.066	0.106	69.662131	6.874787	1600.79	-1368.85
5	GUIDE	89403544	7.89	9527	-0.033	0.056	0.045	0.074	69.809992	7.987097	-1948.26	559.62
6	GUIDE	12331072	8.68	9591	-0.086	0.080	0.070	0.114	69.220131	7.248777	-223.42	-2358.85
7	GUIDE	89400656	8.85	9592	-0.041	-0.020	0.083	0.130	70.426351	7.827138	-624.56	2405.82

2.4 Star Slots

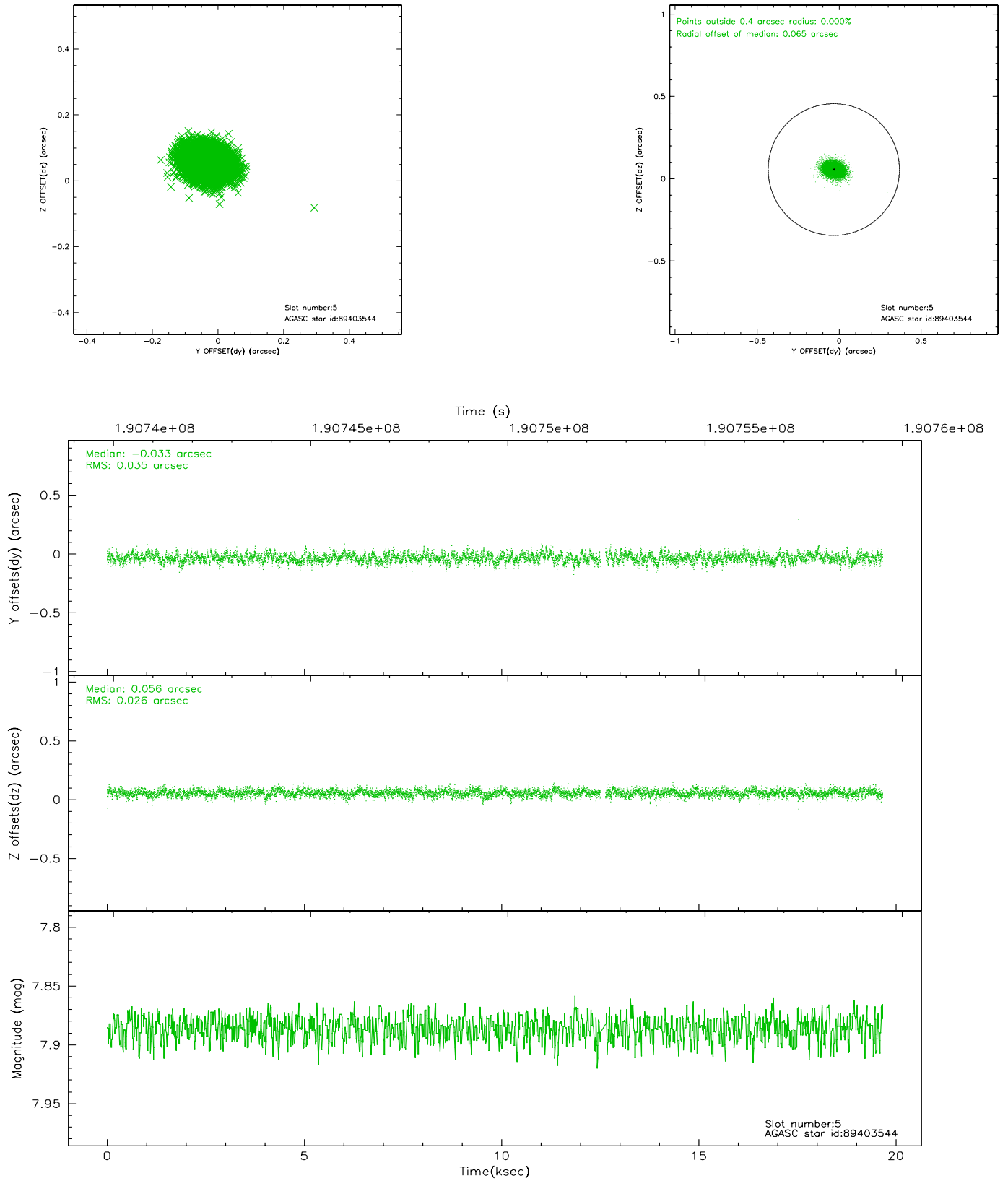
2.4.1 Slot 3



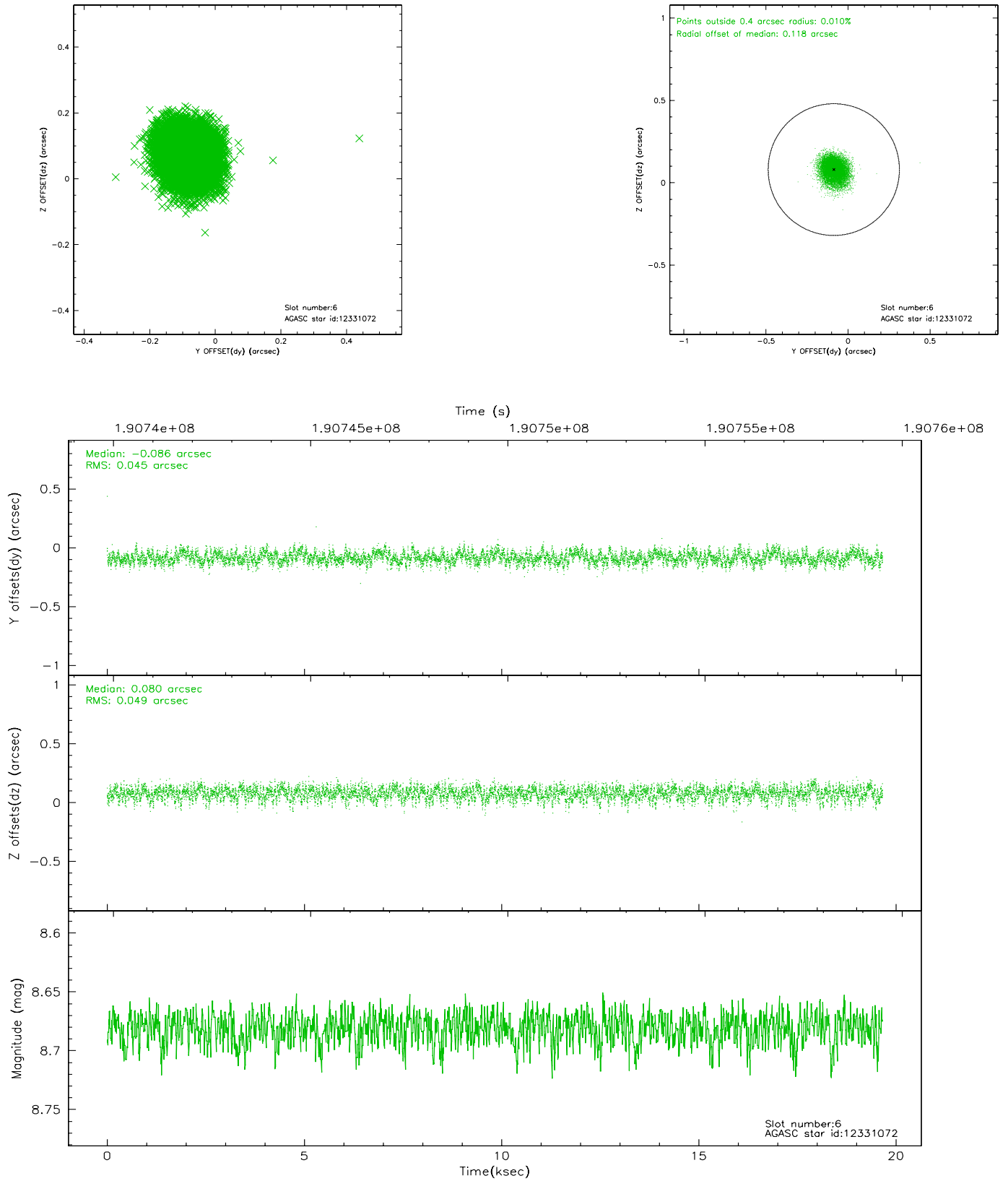
2.4.2 Slot 4



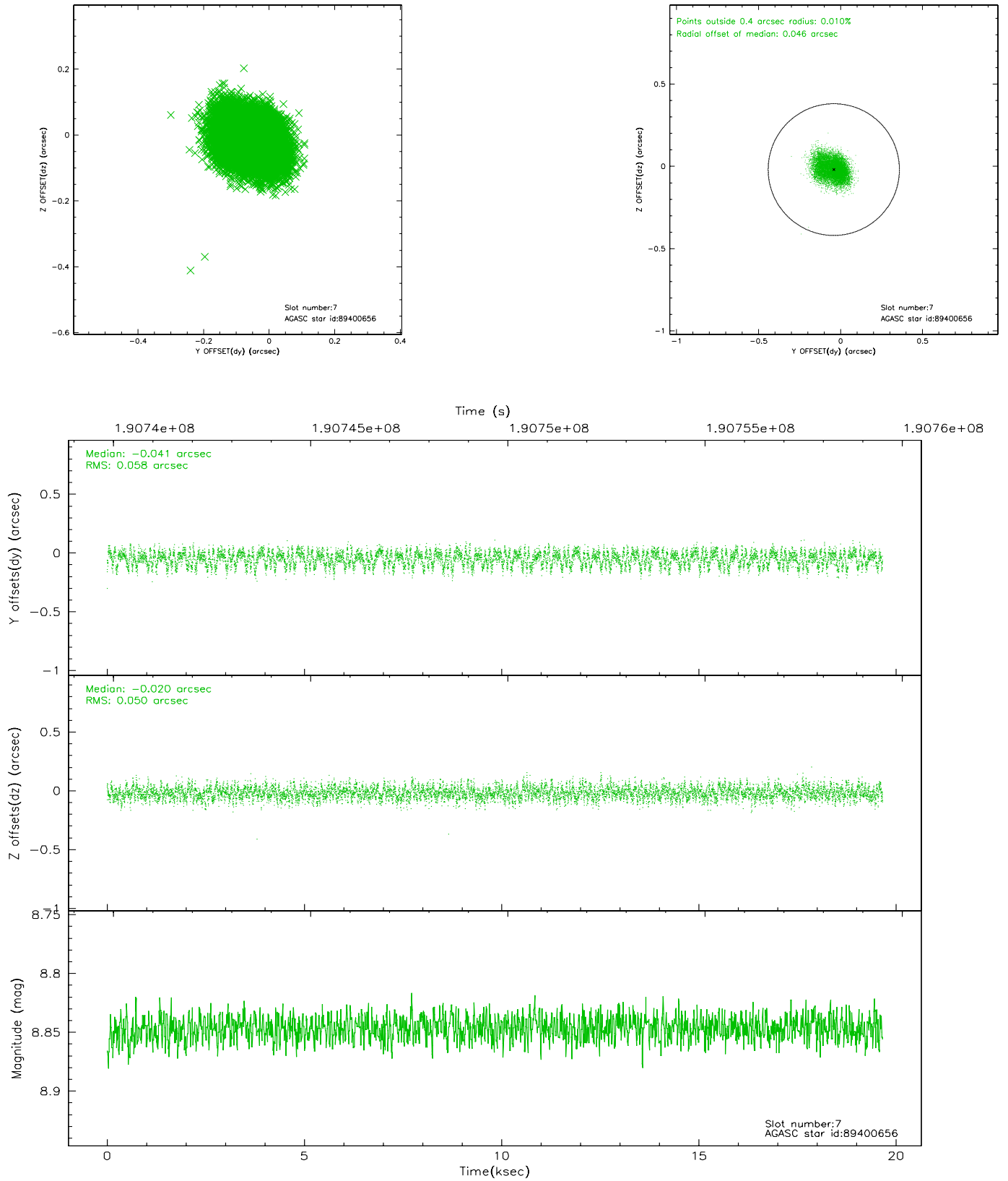
2.4.3 Slot 5



2.4.4 Slot 6

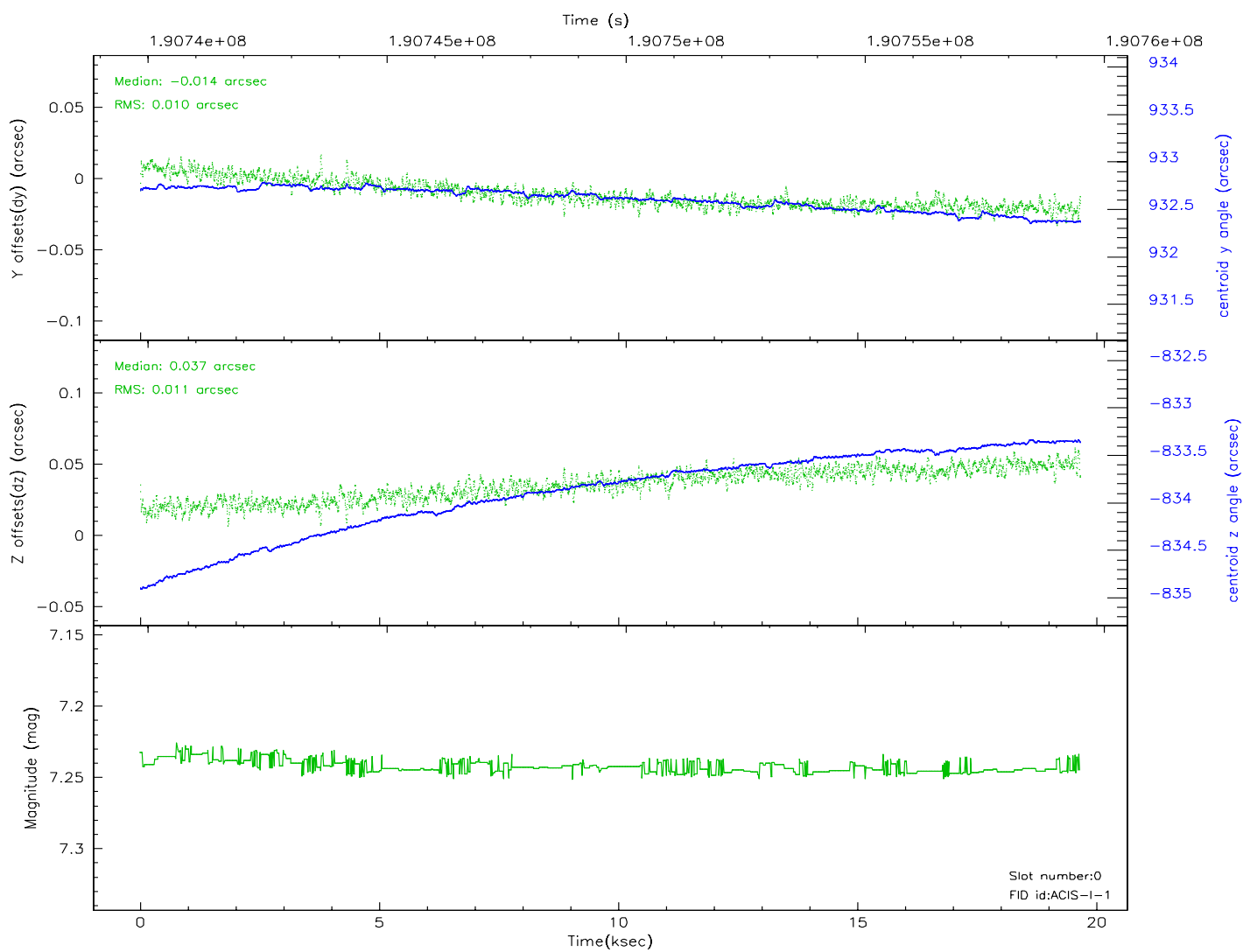
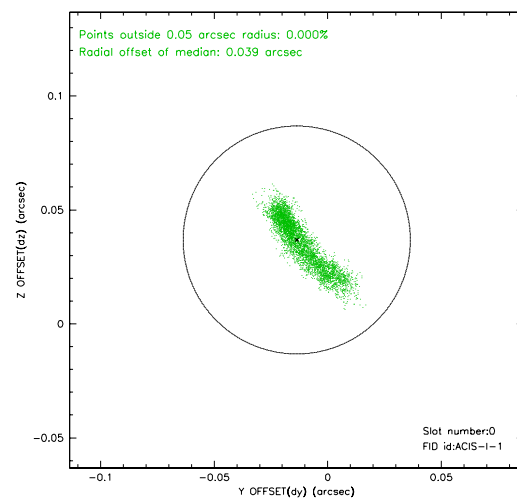
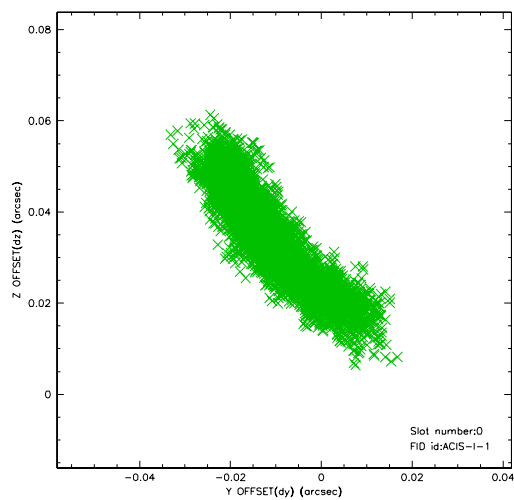


2.4.5 Slot 7

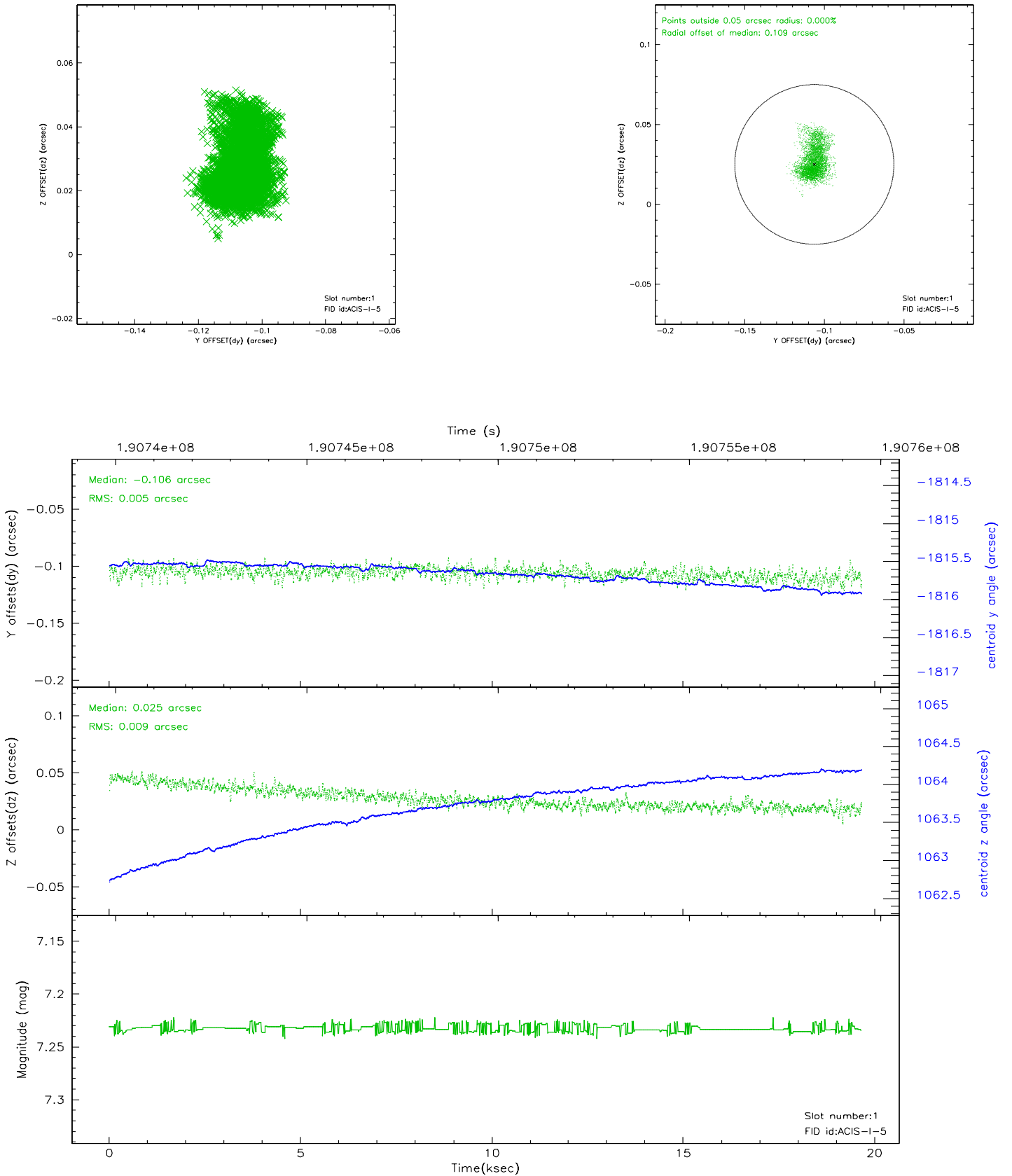


2.5 FID Slots

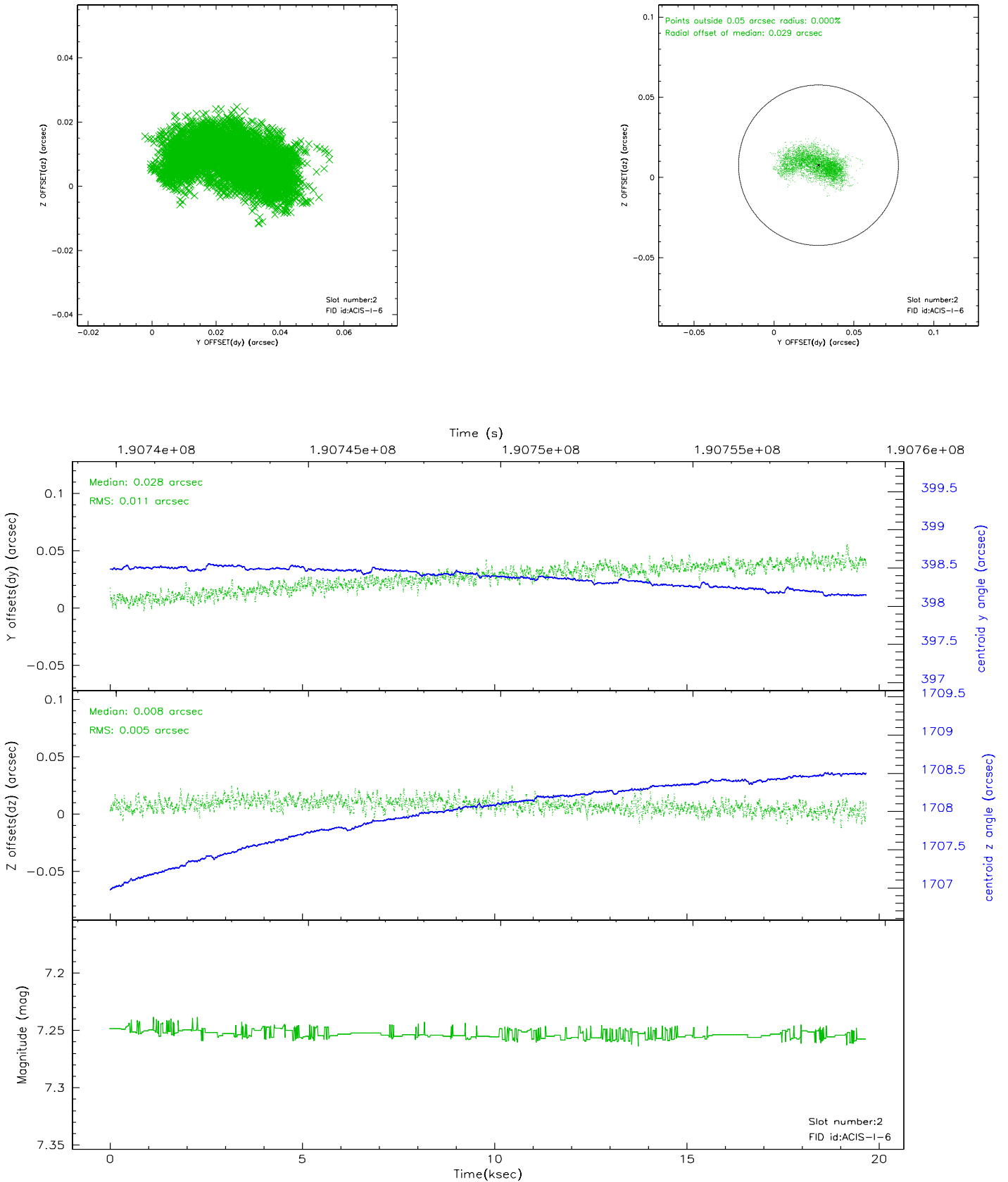
2.5.1 Slot 0



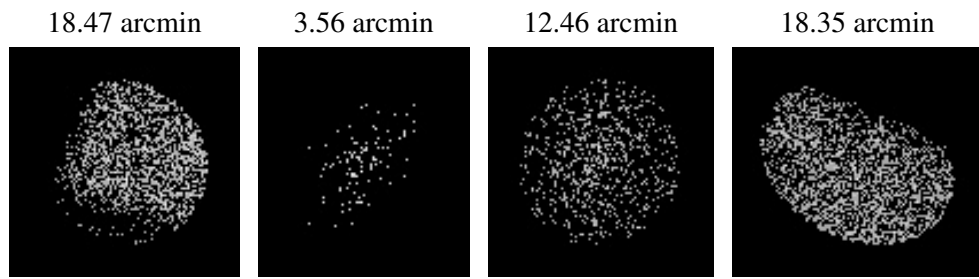
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.66

A.2 Comments

Monitor constraint met. Roll constraint not met, outside roll tolerance range by less than one degree.