

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5845 - L2 Version 002
Chandra X-Ray Center

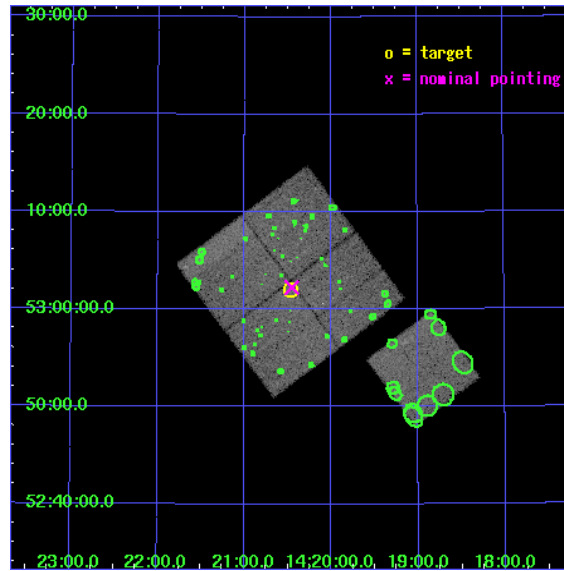
L2 Processing Date : Mar 17 2006

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1 Front

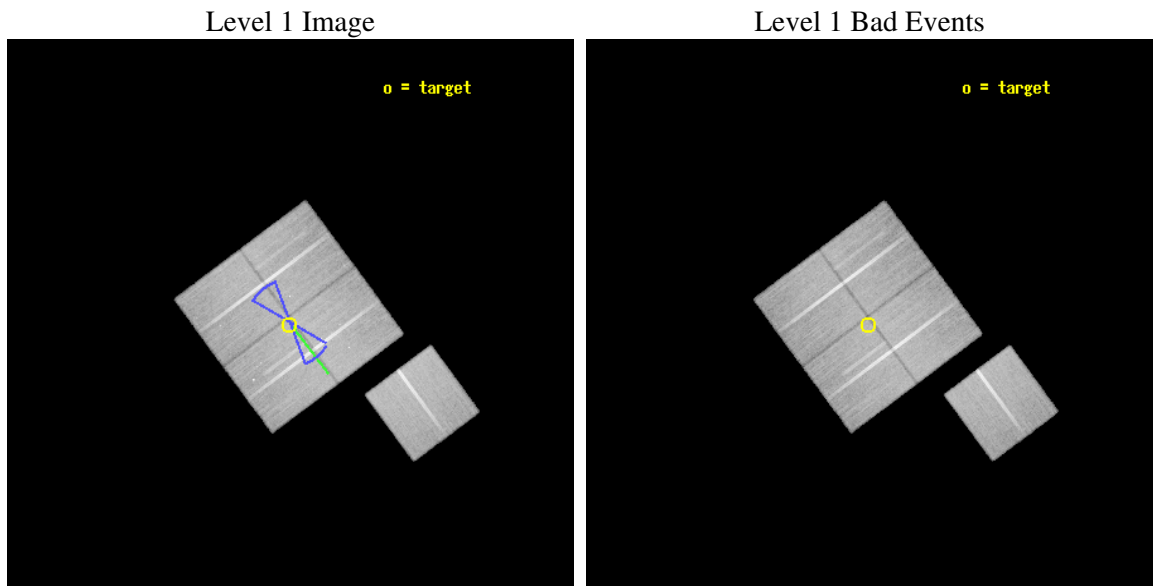
seq_num	900350
obs_id	5845
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Dr Kirpal Nandra
object	EGS-3
dtcycle	0
cycle	P
ra_targ	215.116653
dec_targ	53.033695
ra_nom	215.11277165798
dec_nom	53.037693908091
roll_nom	143.39105864058
revision	2
ontime	49038.735964745
livetime	48398.008777574
ontime0	49041.876945019
ontime1	49048.158905536
ontime2	49041.876945049
ontime3	49038.735964745
ontime6	49051.299905688
l2events	130777



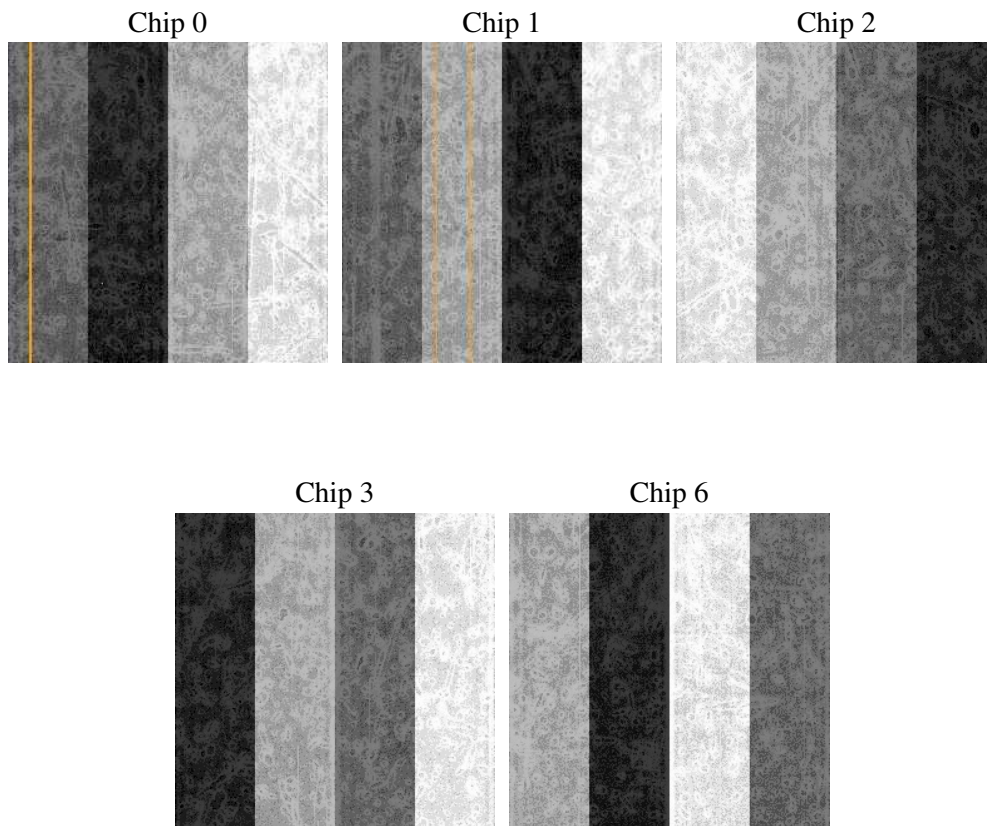
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-17T14:30:56
revision	2

sched_exp_time	49000.000000
ontime	49043.715905607
ontime0	49049.99790594
ontime1	49056.279866457
ontime2	49046.85688591
ontime3	49043.715905607
ontime6	49059.420866609
l1events	1515304

2.1.4 Events

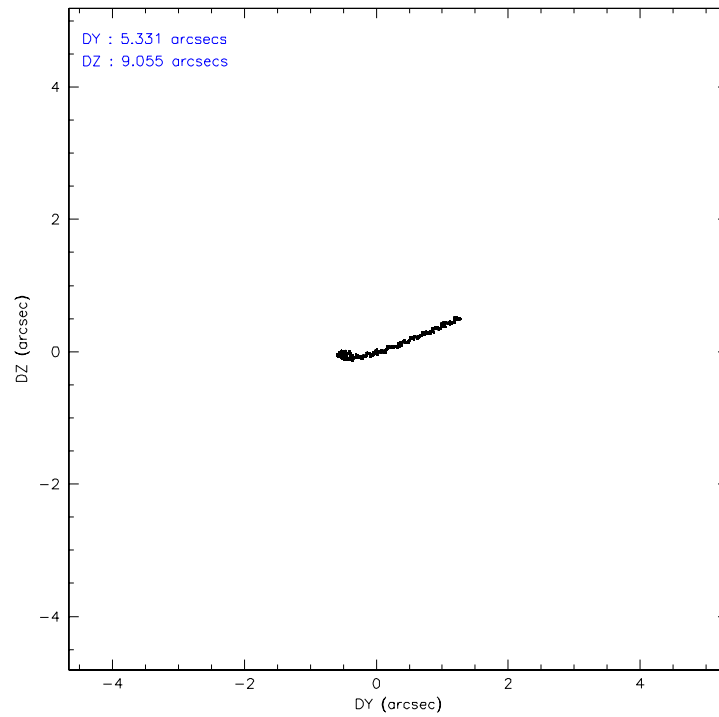
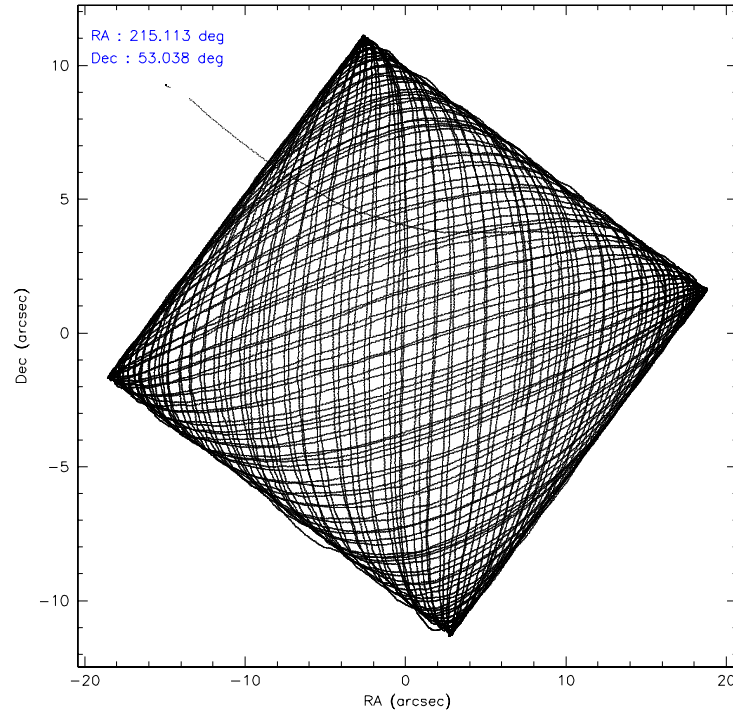
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	287969	288329	319975	308086	310945
rejected events	256584	254133	289129	278672	280268
rejected %	89%	88%	90%	90%	90%

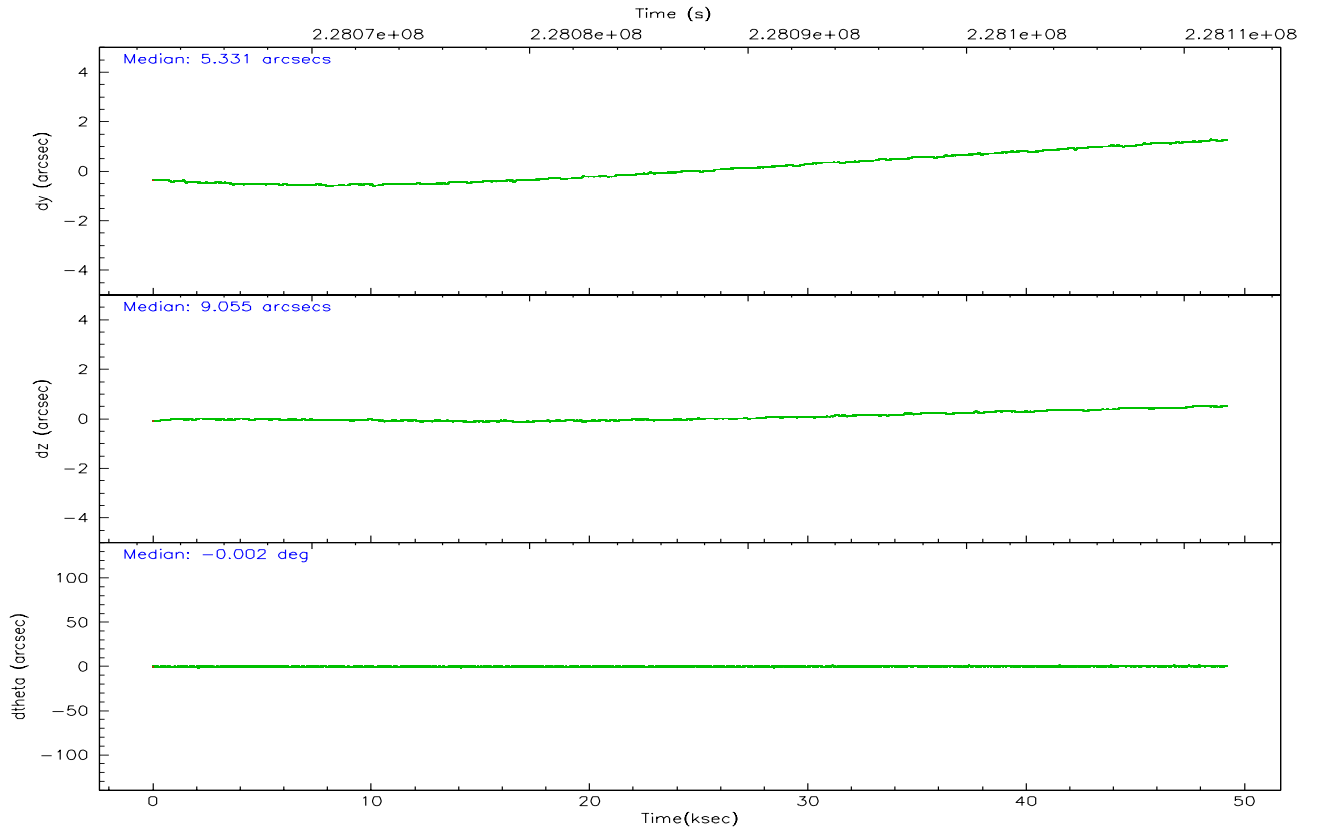
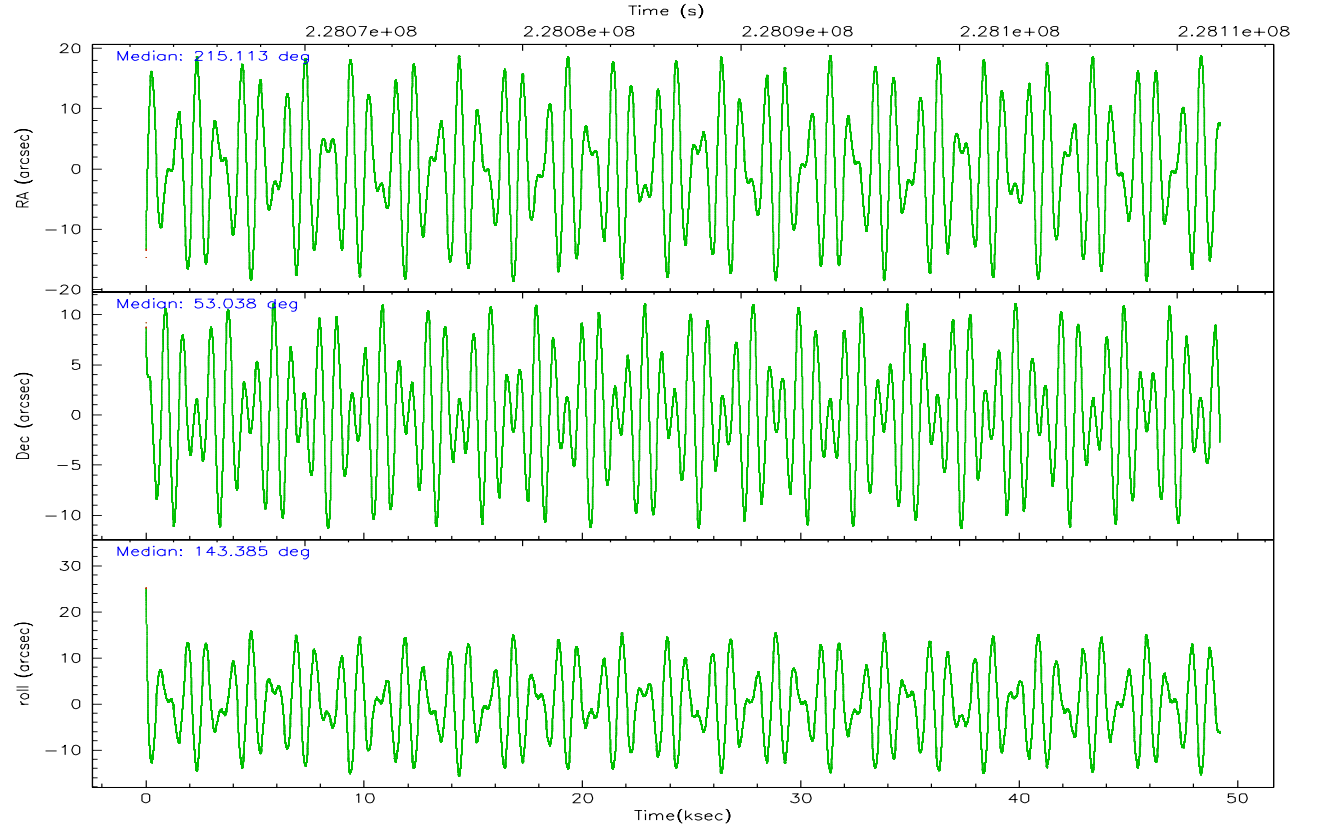
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11109	12296	11177	10745	10408
	3%	4%	3%	3%	3%
grade 1 events	143	140	154	170	116
	0%	0%	0%	0%	0%
grade 2 events	7273	7458	7283	6231	6626
	2%	2%	2%	2%	2%
grade 3 events	3694	3723	3267	3279	3535
	1%	1%	1%	1%	1%
grade 4 events	3278	3795	3502	3310	3458
	1%	1%	1%	1%	1%
grade 5 events	11051	11916	10439	12536	12207
	3%	4%	3%	4%	3%
grade 6 events	6034	6930	5621	5856	6655
	2%	2%	1%	1%	2%
grade 7 events	245387	242071	278532	265959	267940
	85%	83%	87%	86%	86%

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	215.158011	215.112771657975	Alternating exposures requested	N	N
Pointing Dec	53.034643	53.03769390809062	Primary exposure time	0.000000	3.1
Pointing Roll	143.146217	143.3910586405767			
Roll angle	50.756000	50.756000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	Y	Y			
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	228062949.184000	228062011.74728			
Observation start date	2005-03-24T14:48:05	2005-03-24T14:33:31			
Observation end time	228111949.184000	228112387.42457			
Observation end date	2005-03-25T04:24:45	2005-03-25T04:33:07			
Read mode	TIMED	TIMED			

2.3 Aspect



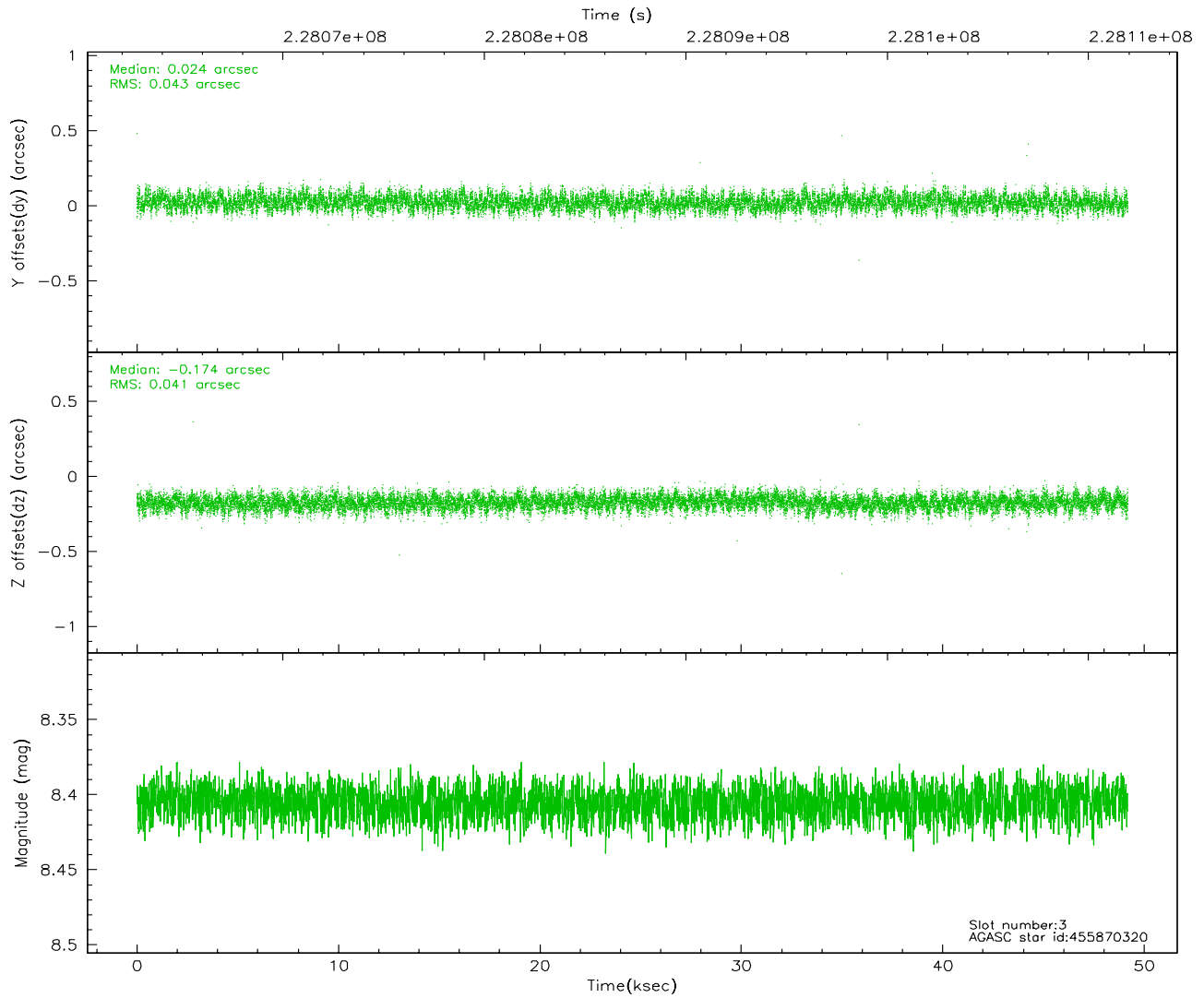
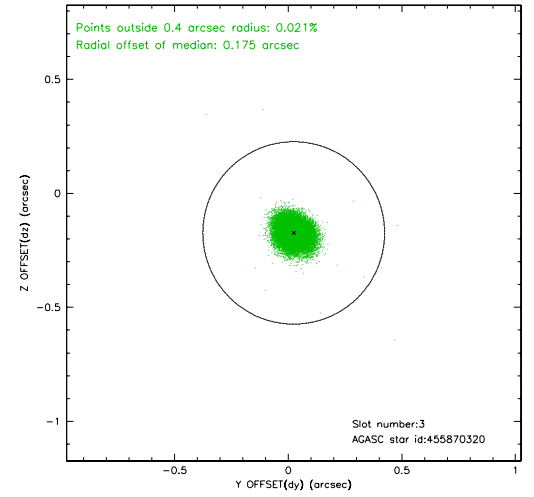
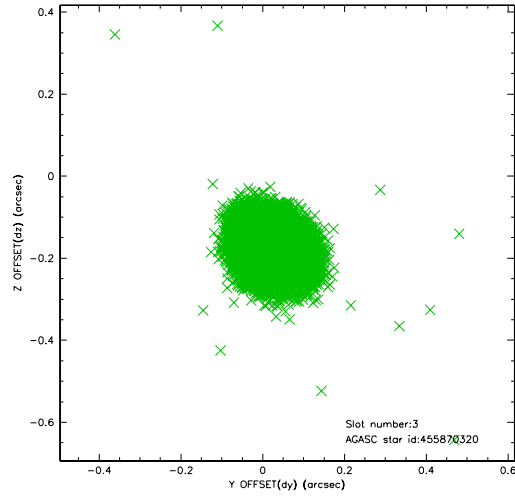


Slot Statistics

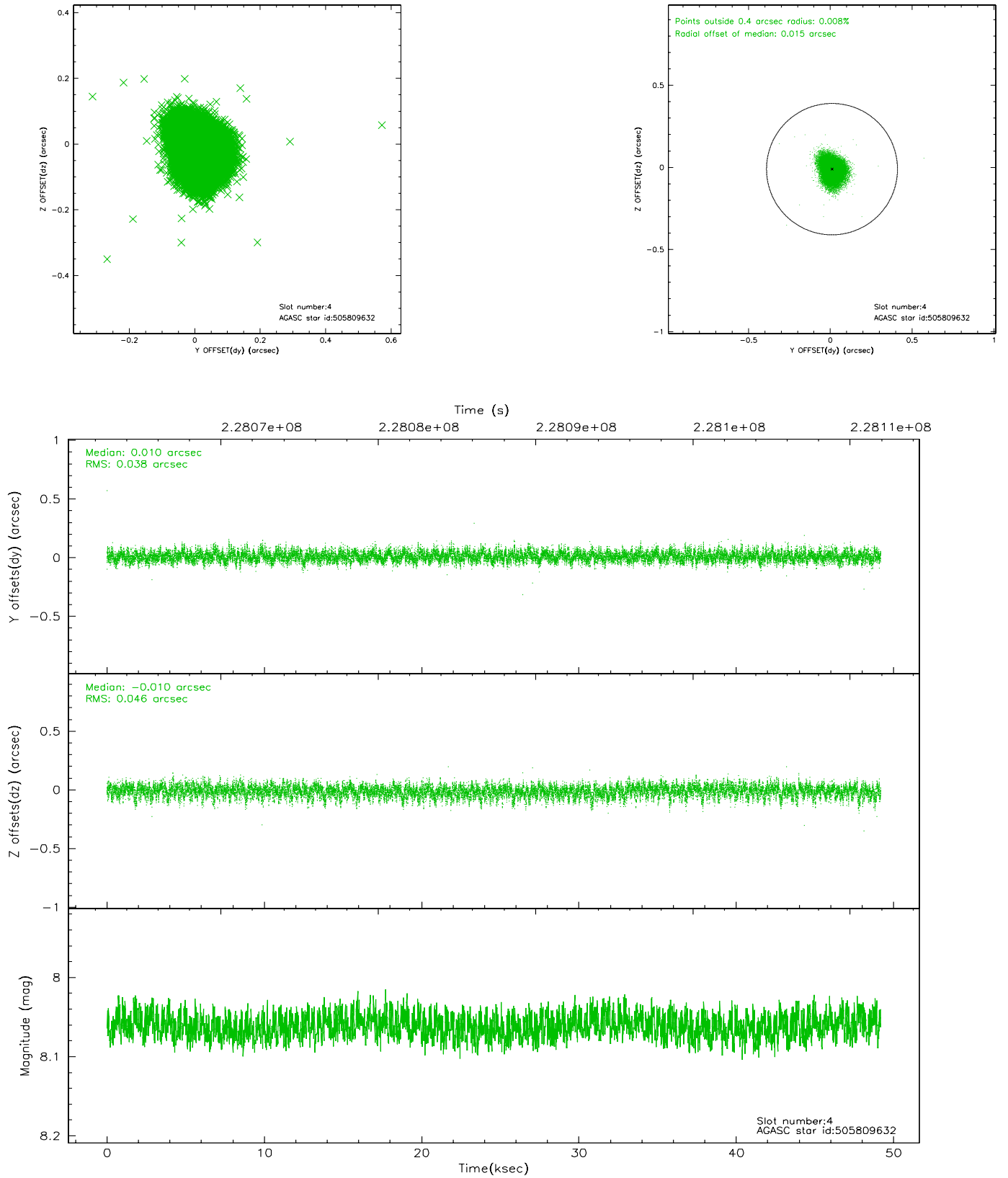
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	12002	-0.007	0.063	0.012	0.020	0.000000	0.000000	934.27	-832.52
1	FID	ACIS-I-5	7.23	12002	-0.142	0.028	0.014	0.025	0.000000	0.000000	-1813.99	1064.92
2	FID	ACIS-I-6	7.25	12000	0.057	-0.020	0.009	0.015	0.000000	0.000000	399.88	1709.37
3	GUIDE	455870320	8.41	24001	0.024	-0.174	0.062	0.100	214.874440	52.401638	-867.83	2196.04
4	GUIDE	505809632	8.06	24001	0.010	-0.010	0.063	0.104	215.499426	53.521185	467.20	-1840.85
5	GUIDE	505812088	8.18	23998	0.060	0.054	0.072	0.110	214.186617	53.263562	2176.61	584.20
6	GUIDE	505812376	7.61	24001	-0.024	0.036	0.048	0.076	214.039537	52.937930	1744.28	1719.39
7	GUIDE	505815928	8.30	23995	-0.074	0.099	0.073	0.115	216.234742	53.074559	-1766.37	-1525.46

2.4 Star Slots

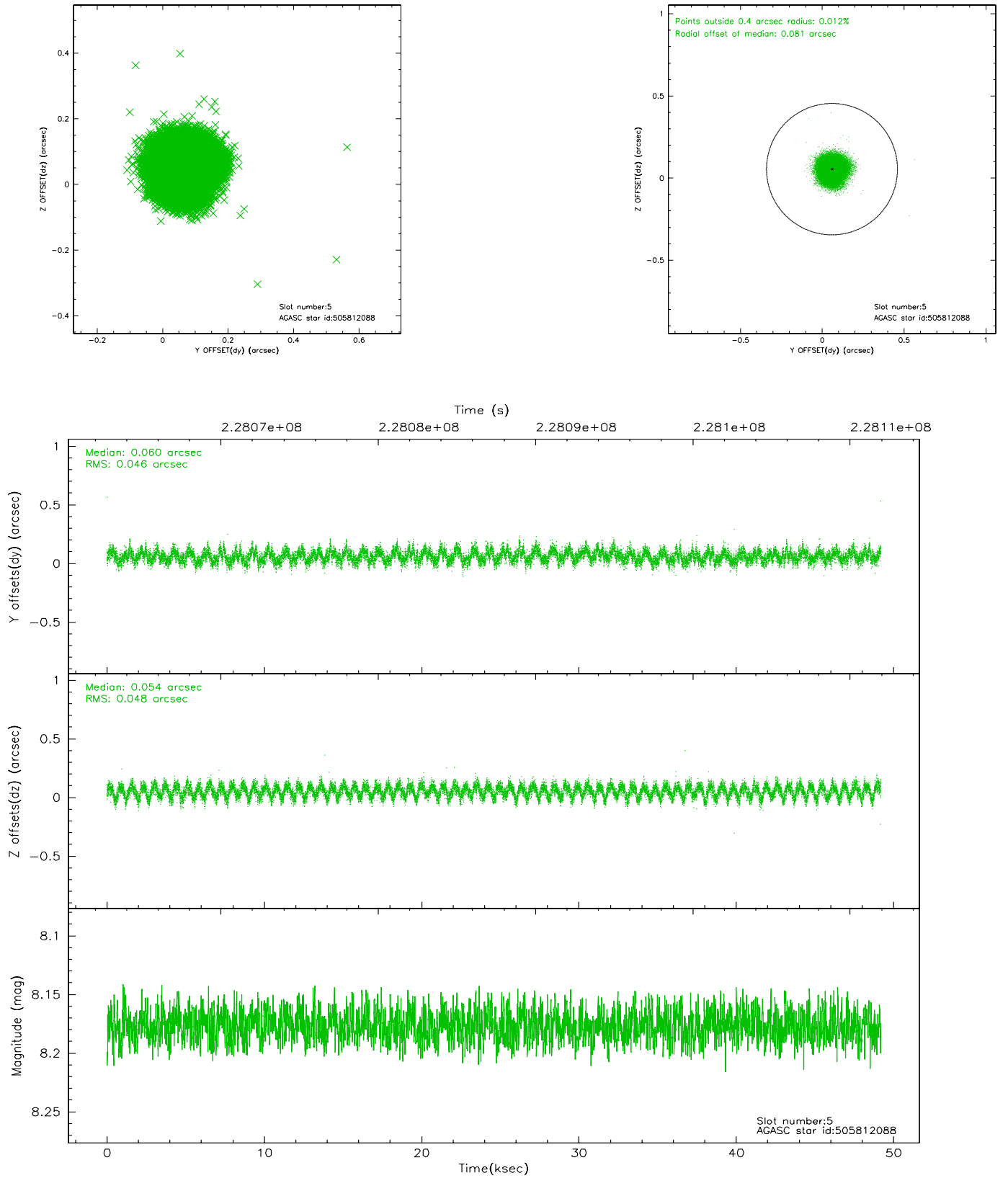
2.4.1 Slot 3



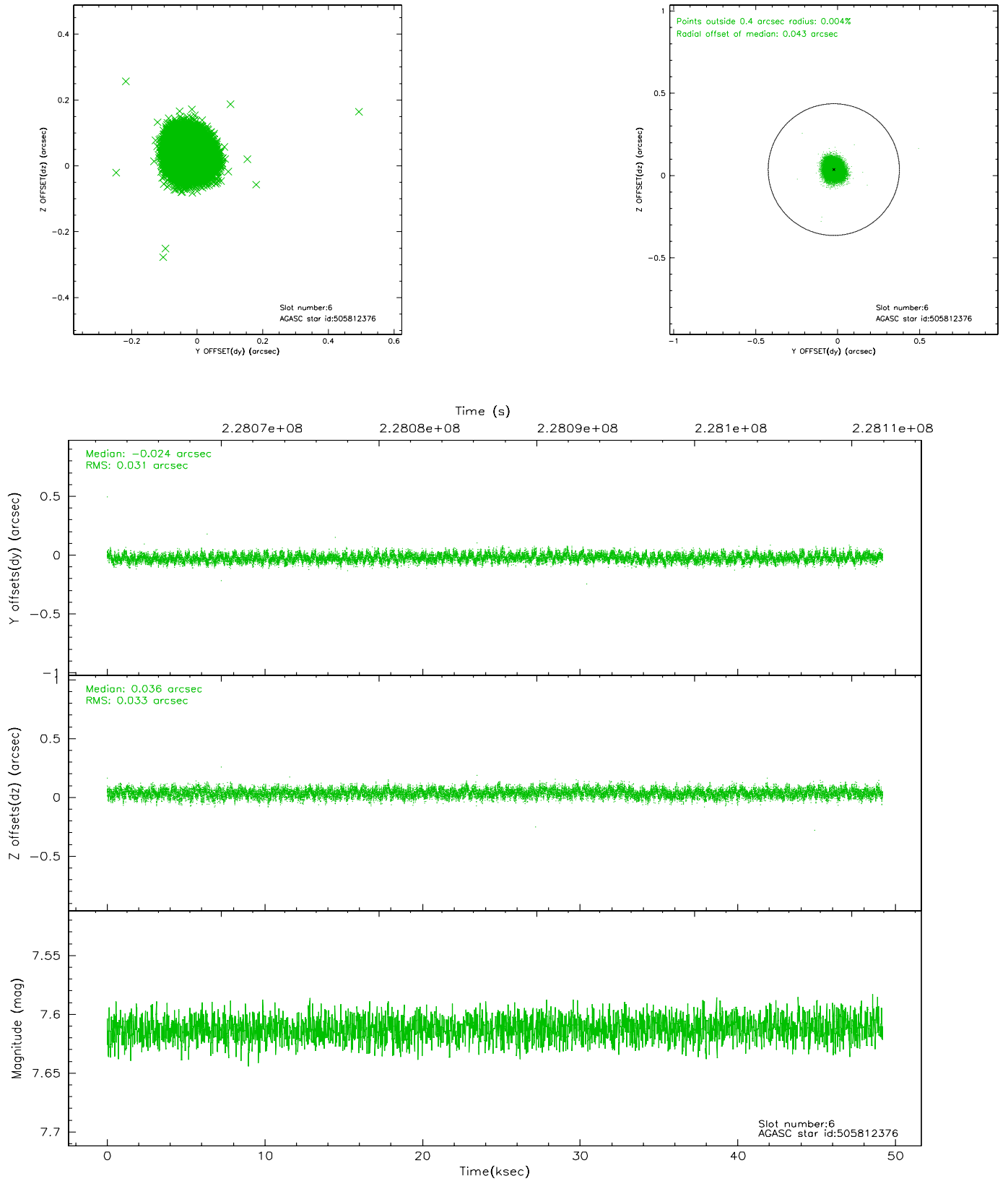
2.4.2 Slot 4



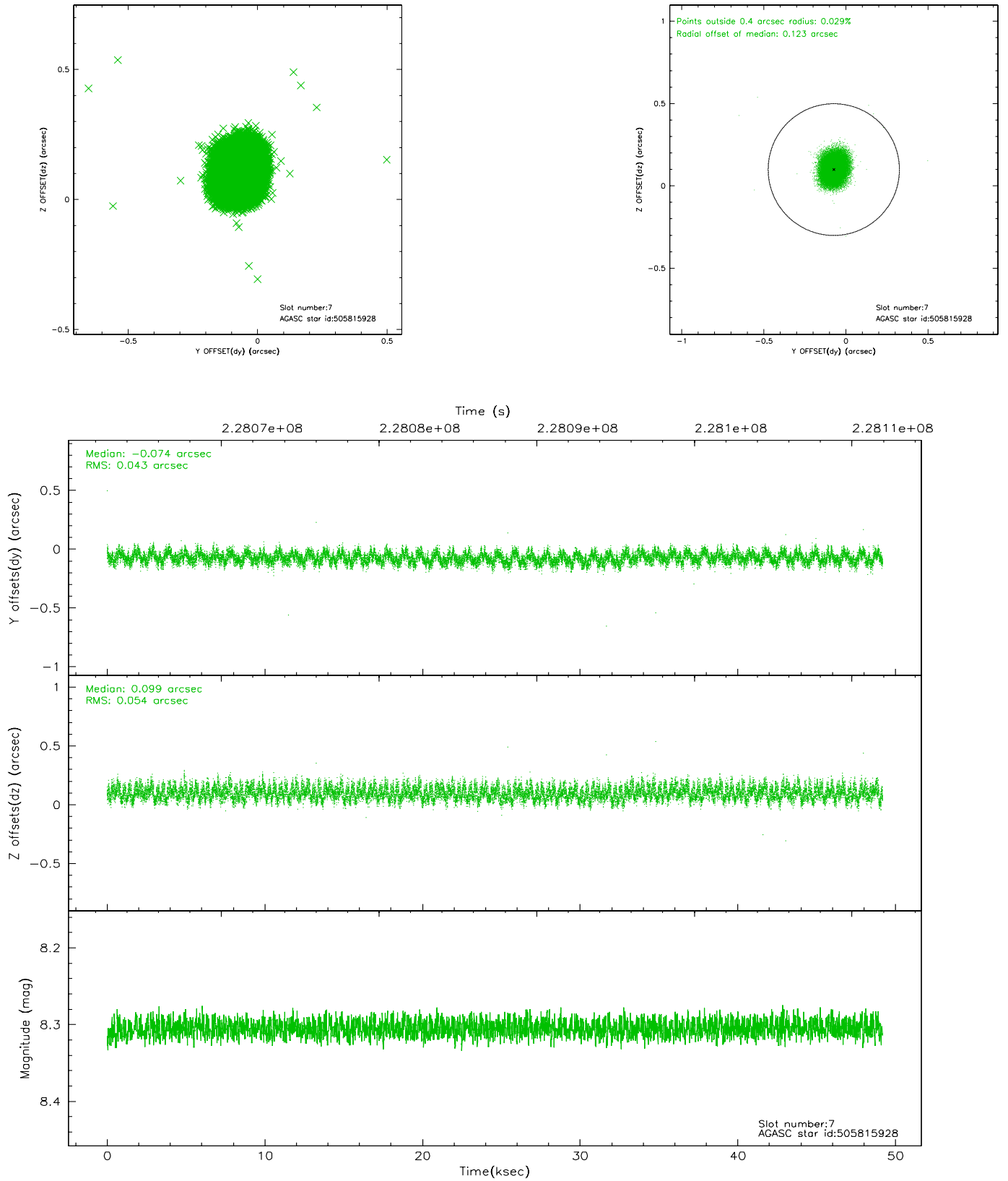
2.4.3 Slot 5



2.4.4 Slot 6

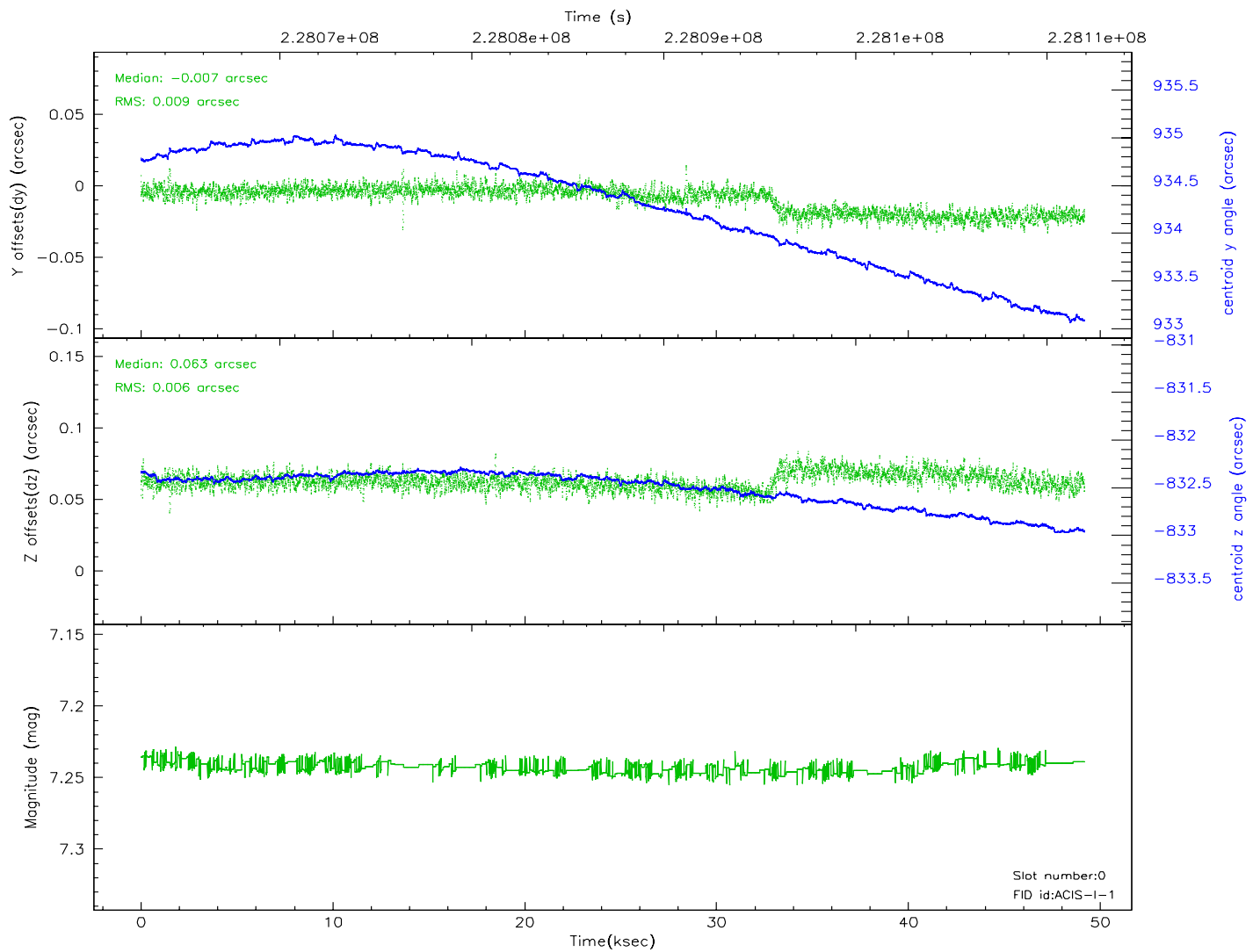
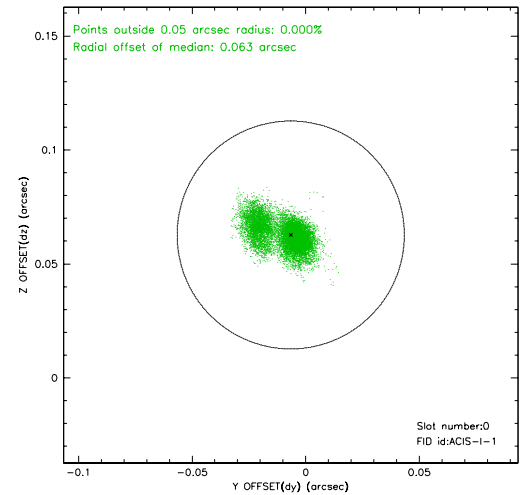
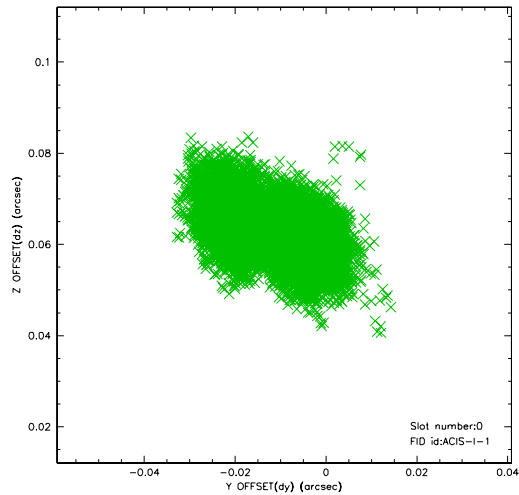


2.4.5 Slot 7

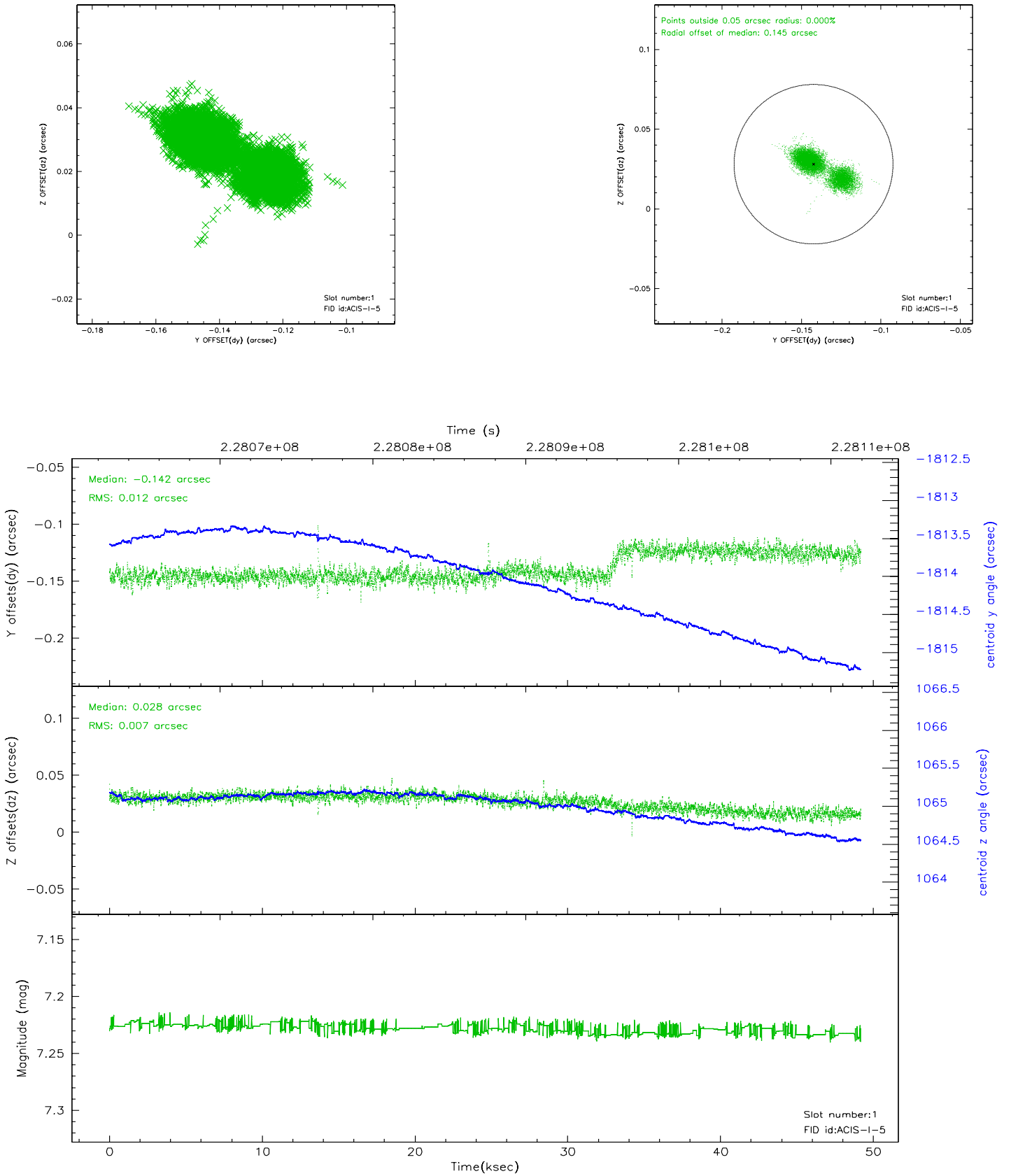


2.5 FID Slots

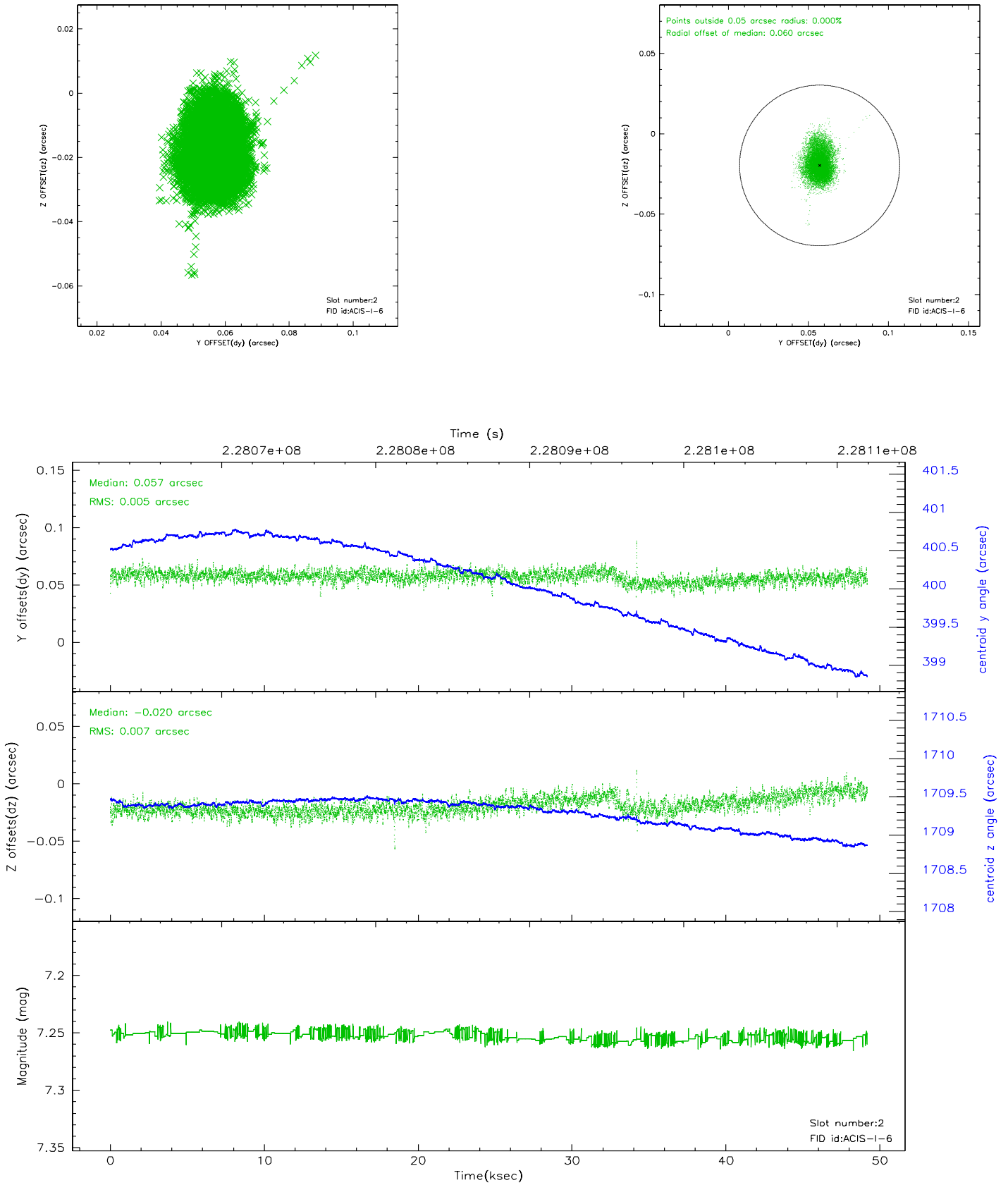
2.5.1 Slot 0



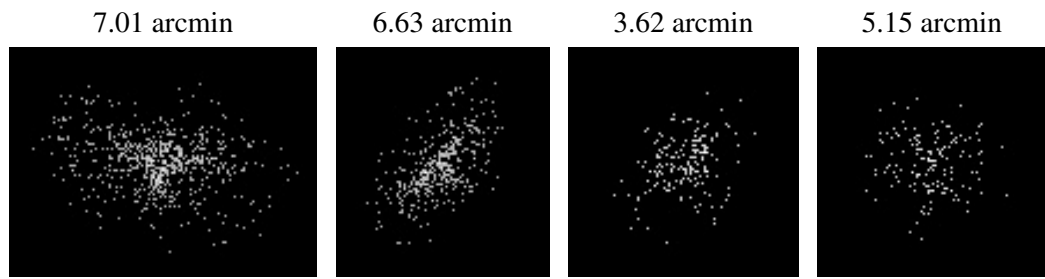
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.03873

A.2 Comments

Roll constraint met.