

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4660 - L2 Version 001
Chandra X-Ray Center

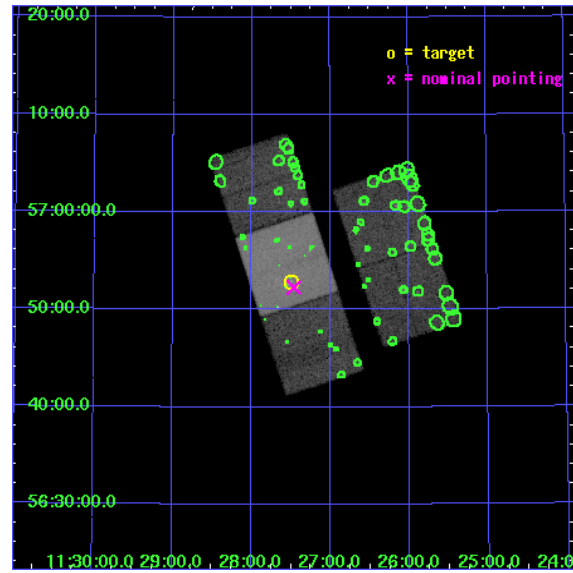
L2 Processing Date : May 1 2006

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1 Front

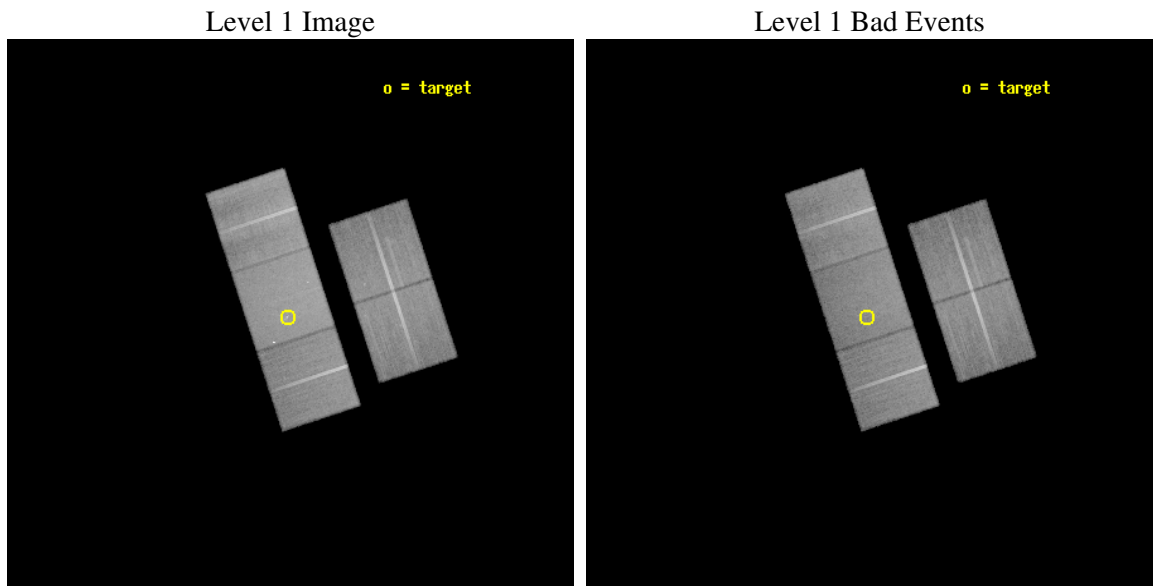
seq_num	500479
obs_id	4660
title	In-depth Study of the Nearest Collapsars
observer	Prof. Shrinivas Kulkarni
object	SN2004C
dtcycle	0
cycle	P
ra_targ	171.87375
dec_targ	56.880028
ra_nom	171.8653963683
dec_nom	56.871514628642
roll_nom	251.87191117543
revision	2
ontime	38805.799925387
livetime	38298.773580947
ontime2	38799.517964989
ontime3	38796.377034634
ontime6	38799.517965019
ontime7	38805.799925387
ontime8	38802.658935219
l2events	267569



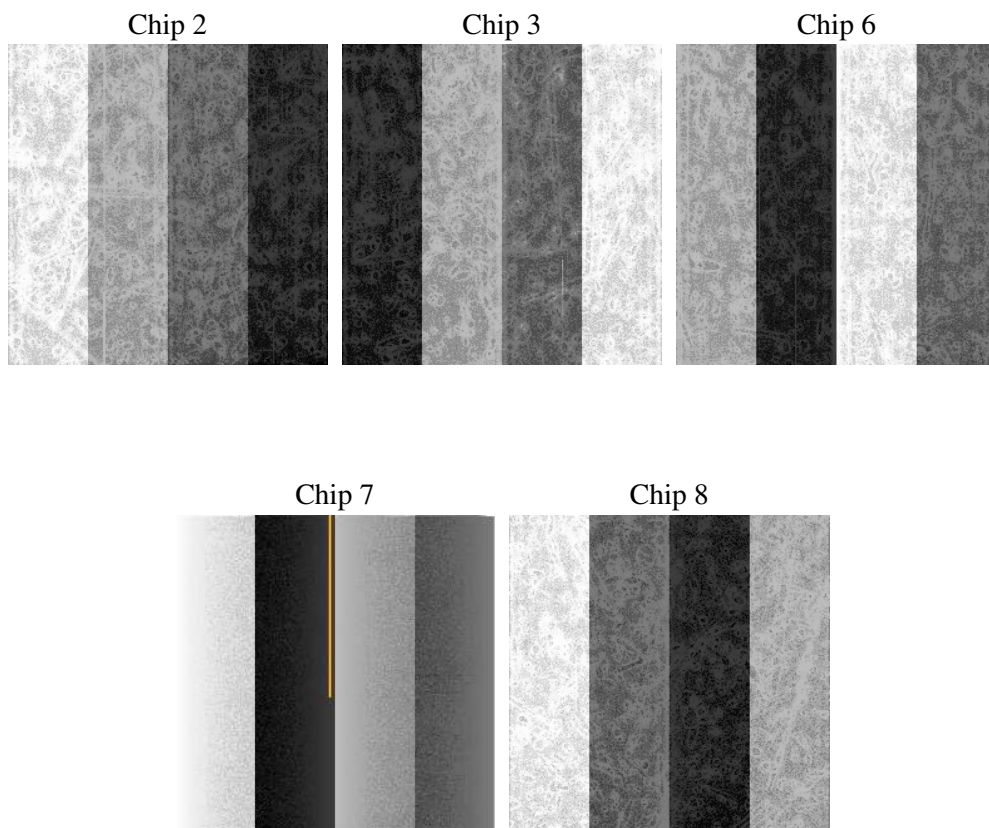
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-05-01T12:08:36
revision	2

sched_exp_time	38629.000000
ontime	39259.387416184
ontime2	39253.105455786
ontime3	39249.964525431
ontime6	39253.105455816
ontime7	39259.387416184
ontime8	39256.246426016
l1events	1640560

2.1.4 Events

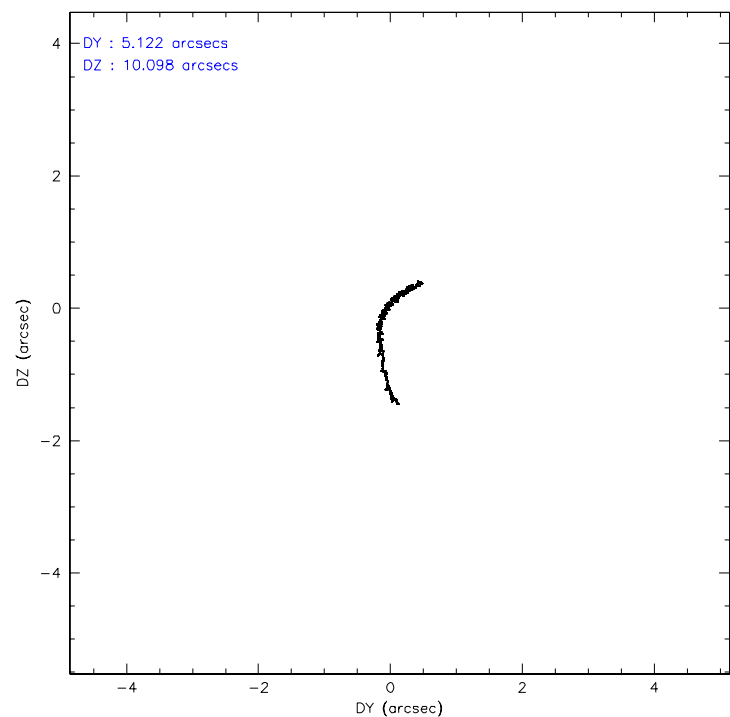
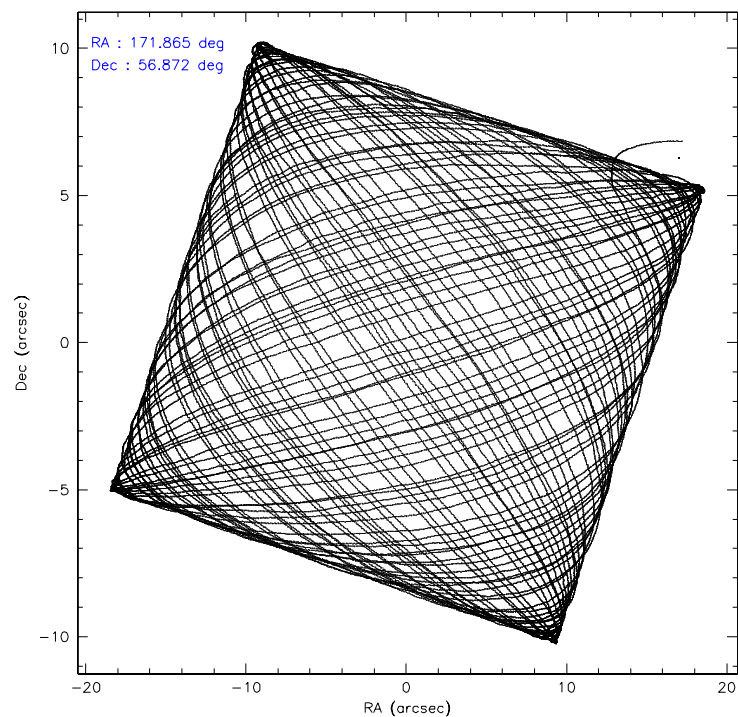
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	287951	286275	297312	397010	372012
rejected events	254575	252765	263905	246880	295842
rejected %	88%	88%	88%	62%	79%

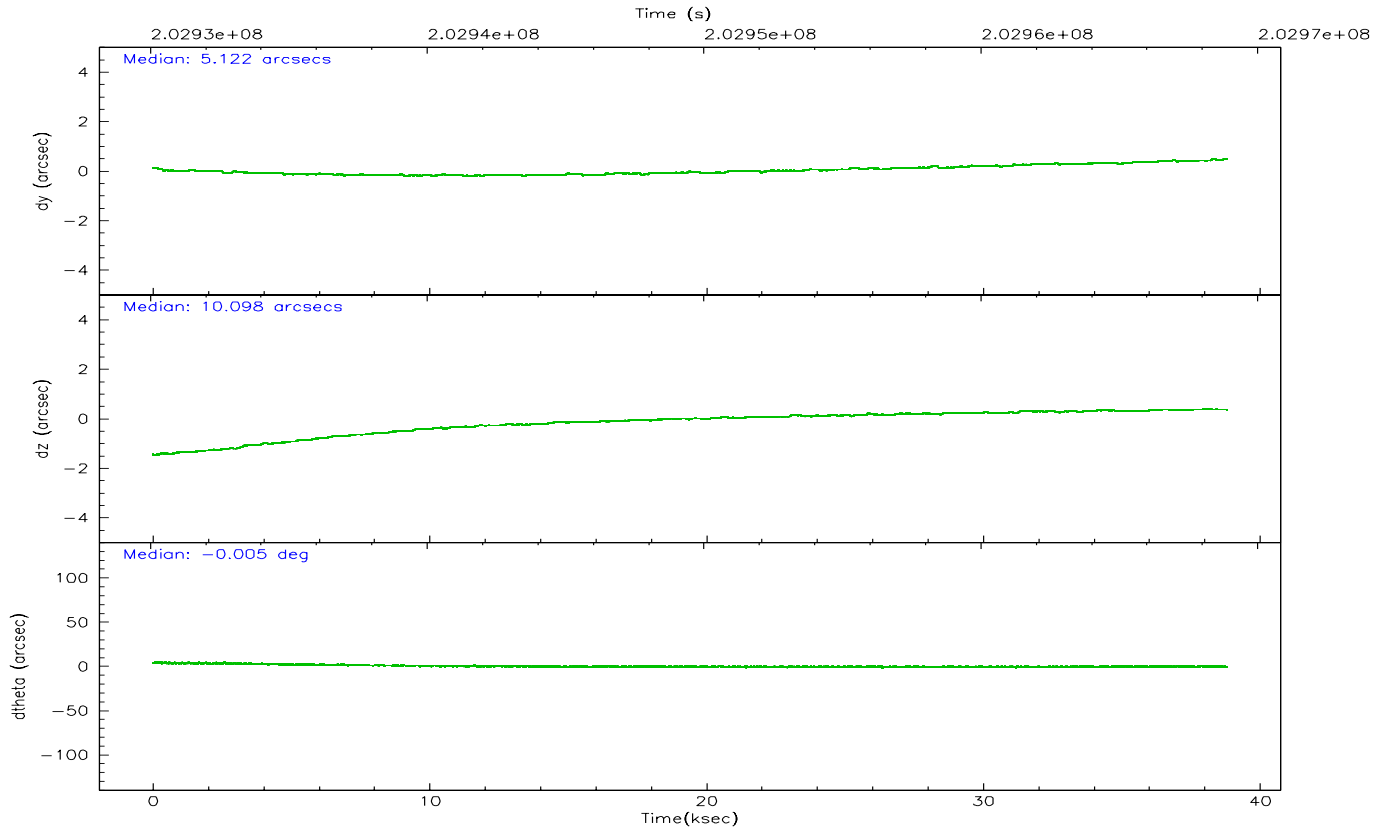
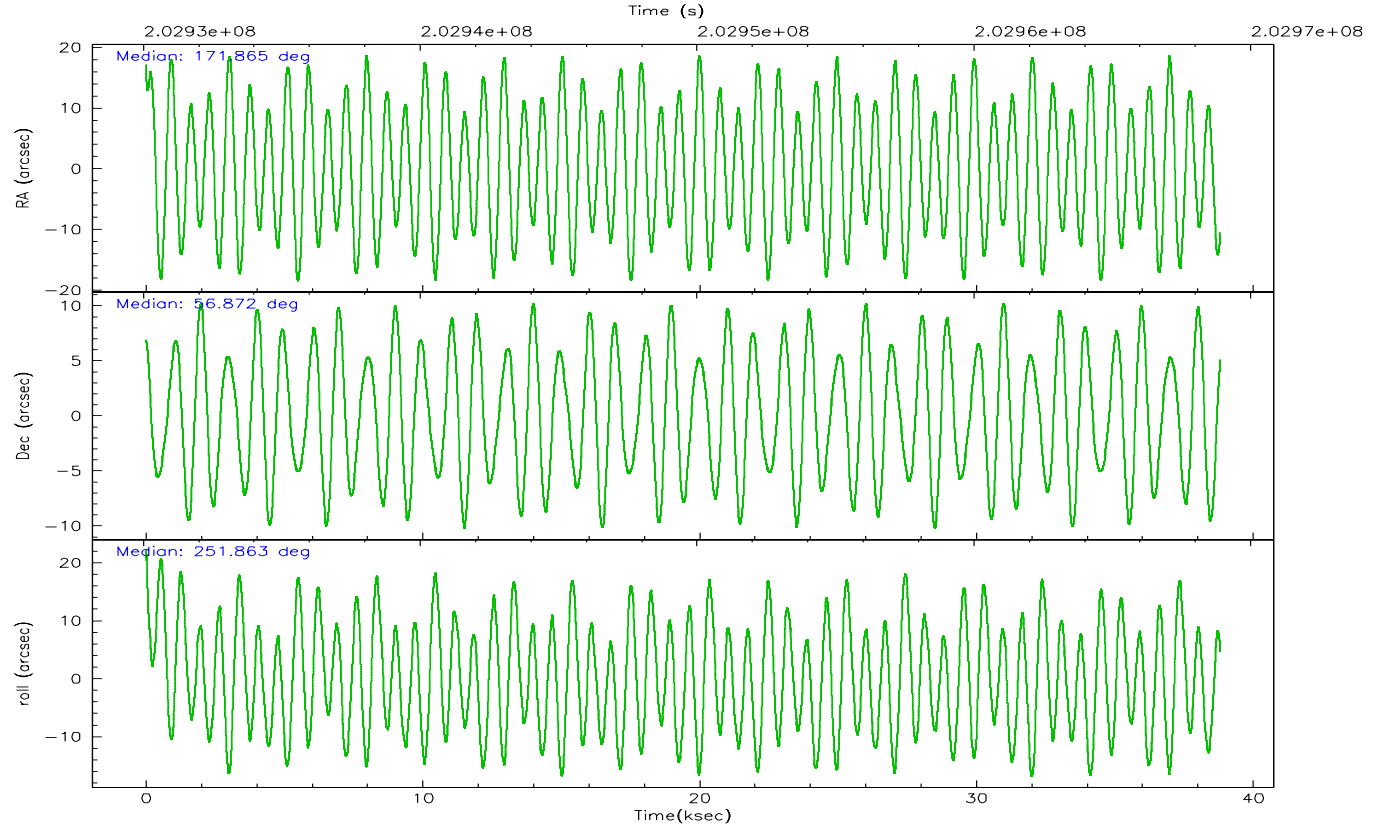
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	15046	14962	13025	9063	23916
	5%	5%	4%	2%	6%
grade 1 events	165	175	142	270	274
	0%	0%	0%	0%	0%
grade 2 events	6867	6433	7078	37633	16983
	2%	2%	2%	9%	4%
grade 3 events	3252	3386	3357	7794	8139
	1%	1%	1%	1%	2%
grade 4 events	3213	3219	3375	7550	7787
	1%	1%	1%	1%	2%
grade 5 events	11202	12721	13179	25932	17438
	3%	4%	4%	6%	4%
grade 6 events	5360	5919	6967	89779	20262
	1%	2%	2%	22%	5%
grade 7 events	242846	239460	250189	218989	277213
	84%	83%	84%	55%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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	171.854466	171.8653963682965	Alternating exposures requested	N	N
Pointing Dec	56.898070	56.87151462864206	Primary exposure time	0.000000	3.1
Pointing Roll	251.724431	251.8719111754317			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	202930272.184000	202929050.08355			
Observation start date	2004-06-06T17:30:08	2004-06-06T17:10:50			
Observation end time	202968901.184000	202969302.86033			
Observation end date	2004-06-07T04:13:57	2004-06-07T04:21:42			
Read mode	TIMED	TIMED			

2.3 Aspect



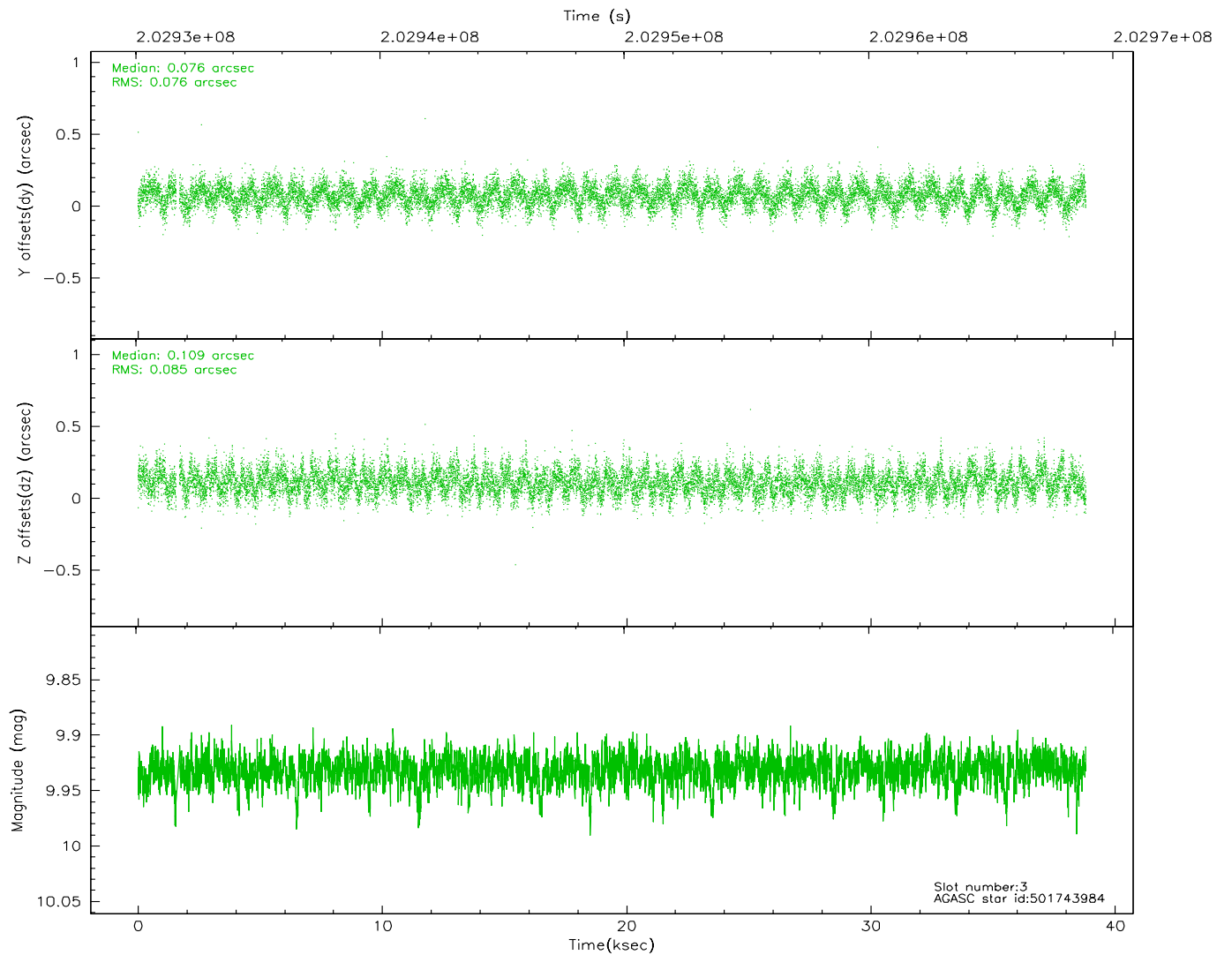
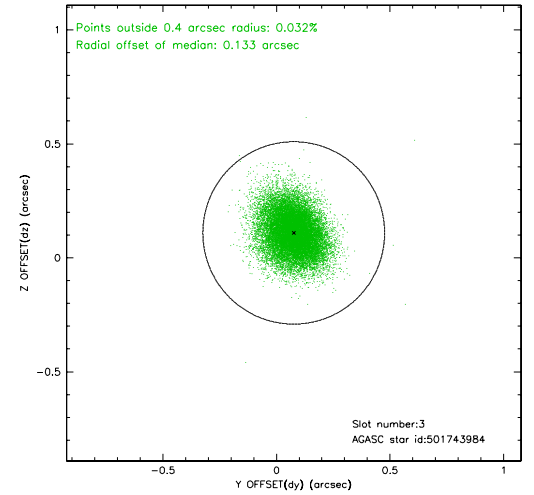
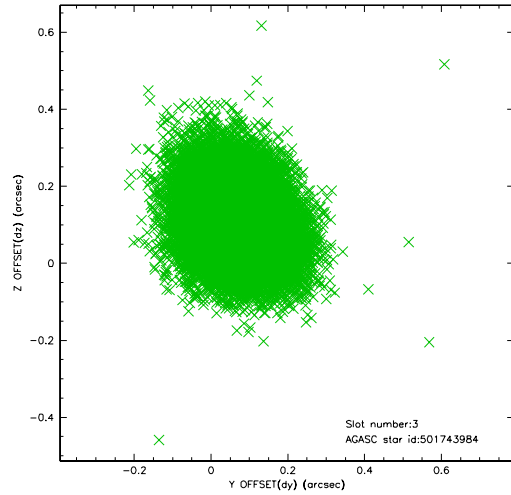


Slot Statistics

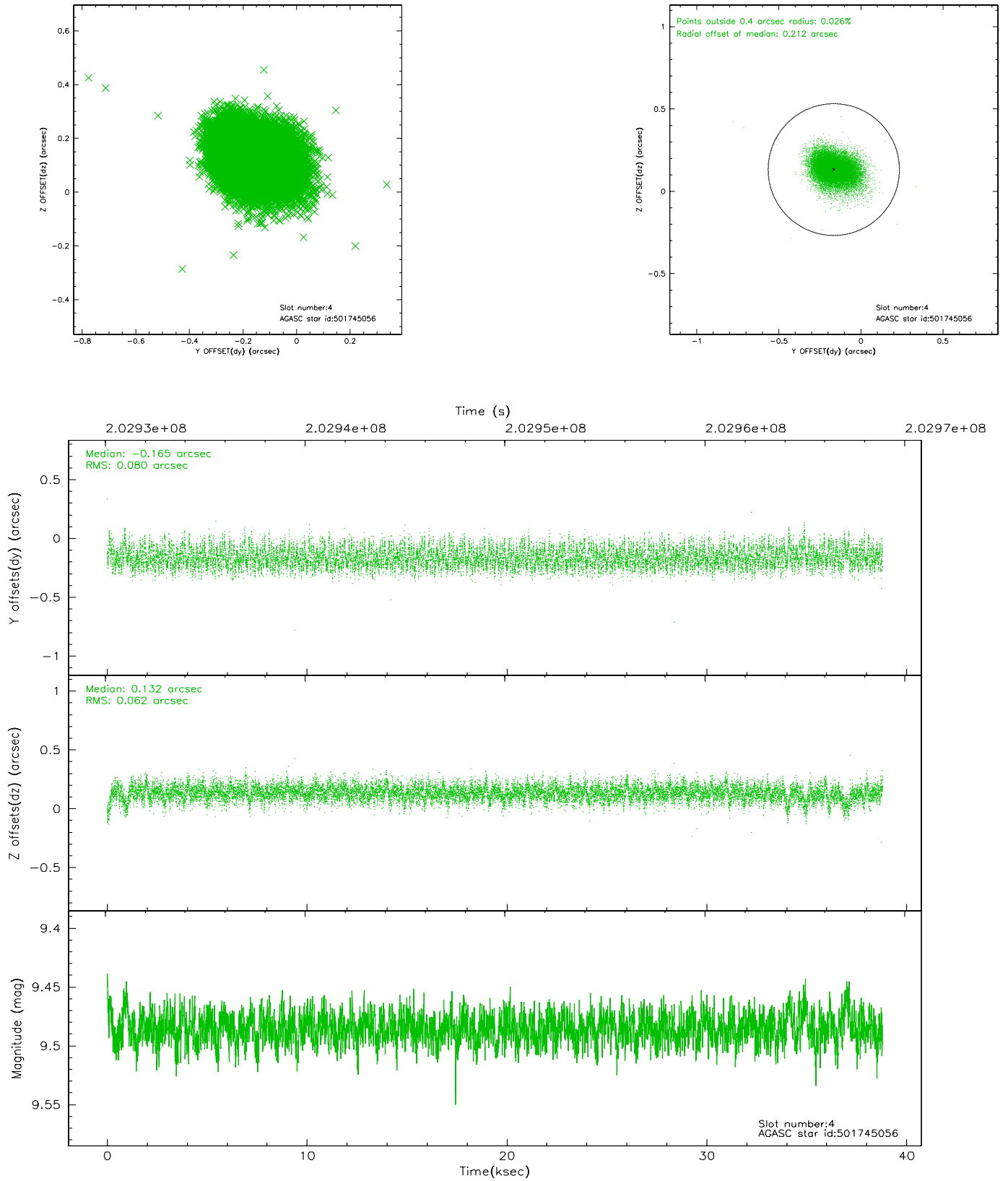
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9466	-0.059	-0.014	0.014	0.029	0.000000	0.000000	-757.90	-1731.20
1	FID	ACIS-S-4	7.20	9466	0.086	0.032	0.007	0.038	0.000000	0.000000	2155.48	177.35
2	FID	ACIS-S-5	7.23	9465	-0.057	-0.011	0.017	0.035	0.000000	0.000000	-1810.74	170.95
3	GUIDE	501743984	9.93	18845	0.076	0.109	0.120	0.195	171.294983	56.867094	447.33	-1011.28
4	GUIDE	501745056	9.49	18925	-0.165	0.132	0.107	0.173	173.013273	57.050098	-1249.69	1977.03
5	GUIDE	501746360	8.30	18923	0.223	-0.324	0.058	0.092	171.888954	56.575508	1081.52	429.34
6	GUIDE	501748320	9.53	18917	0.022	-0.028	0.114	0.182	170.966165	57.350324	-1015.02	-2151.74
7	GUIDE	501750512	9.84	18907	-0.161	0.108	0.122	0.194	173.141567	57.249032	-2008.27	1976.60

2.4 Star Slots

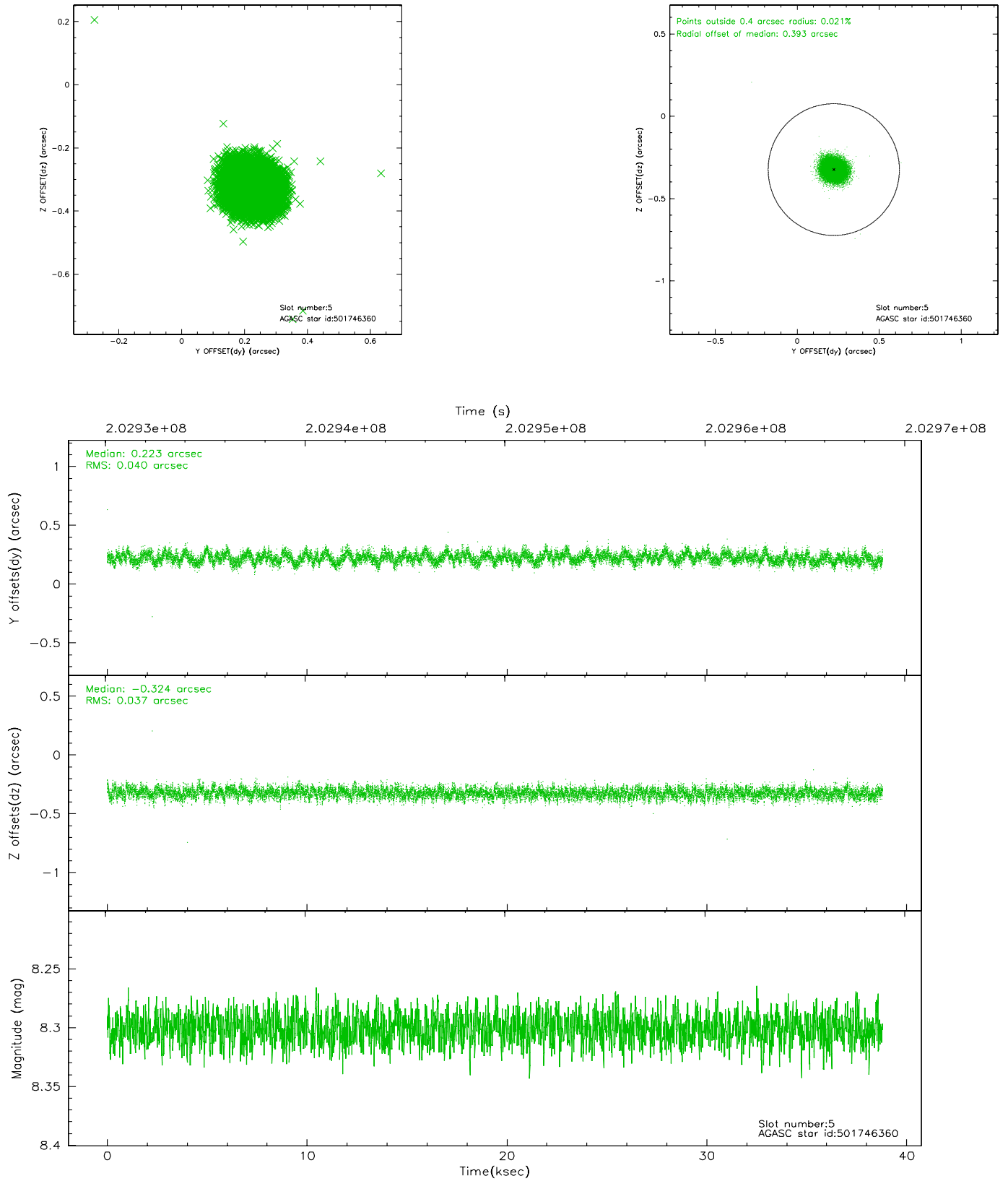
2.4.1 Slot 3



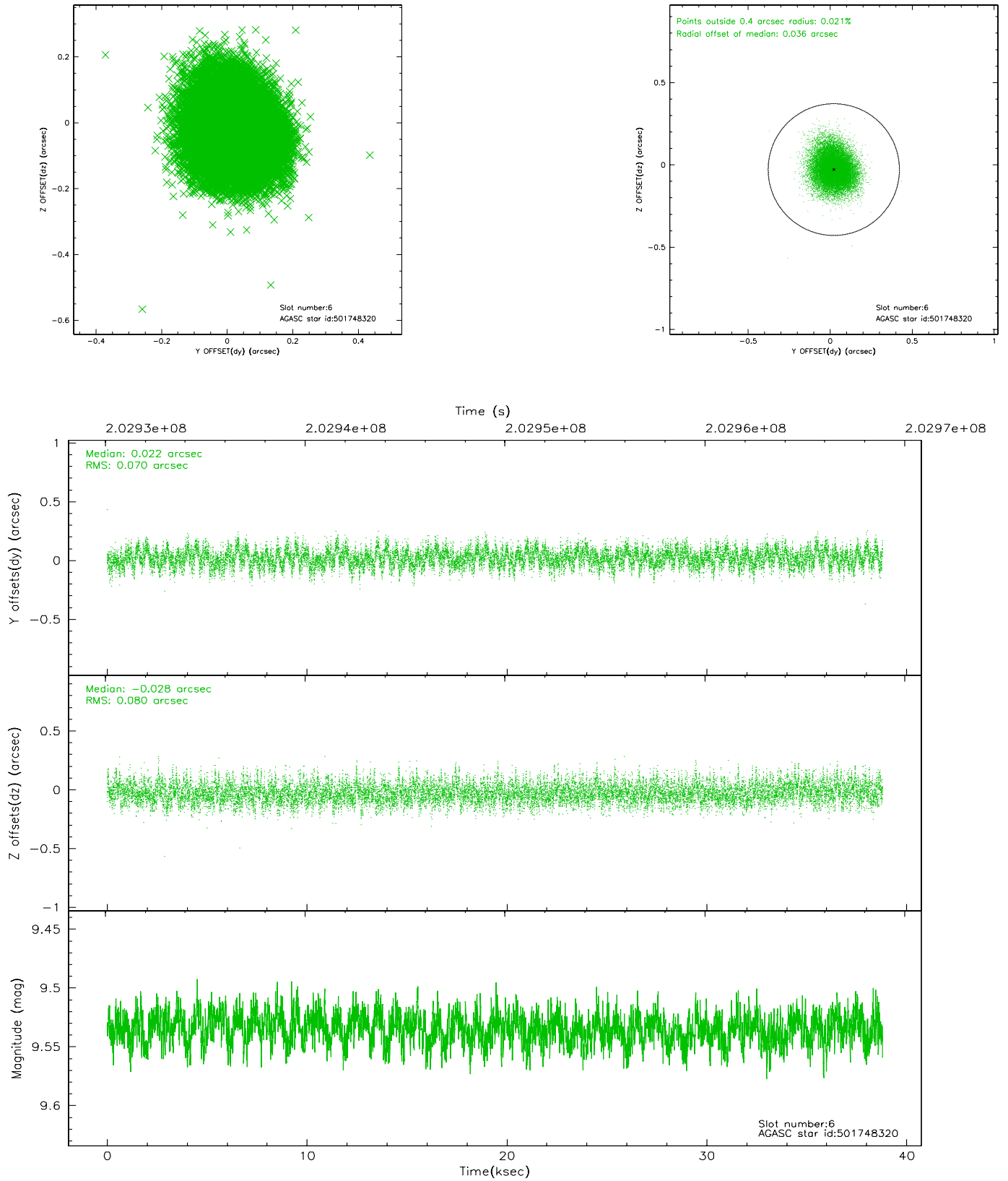
2.4.2 Slot 4



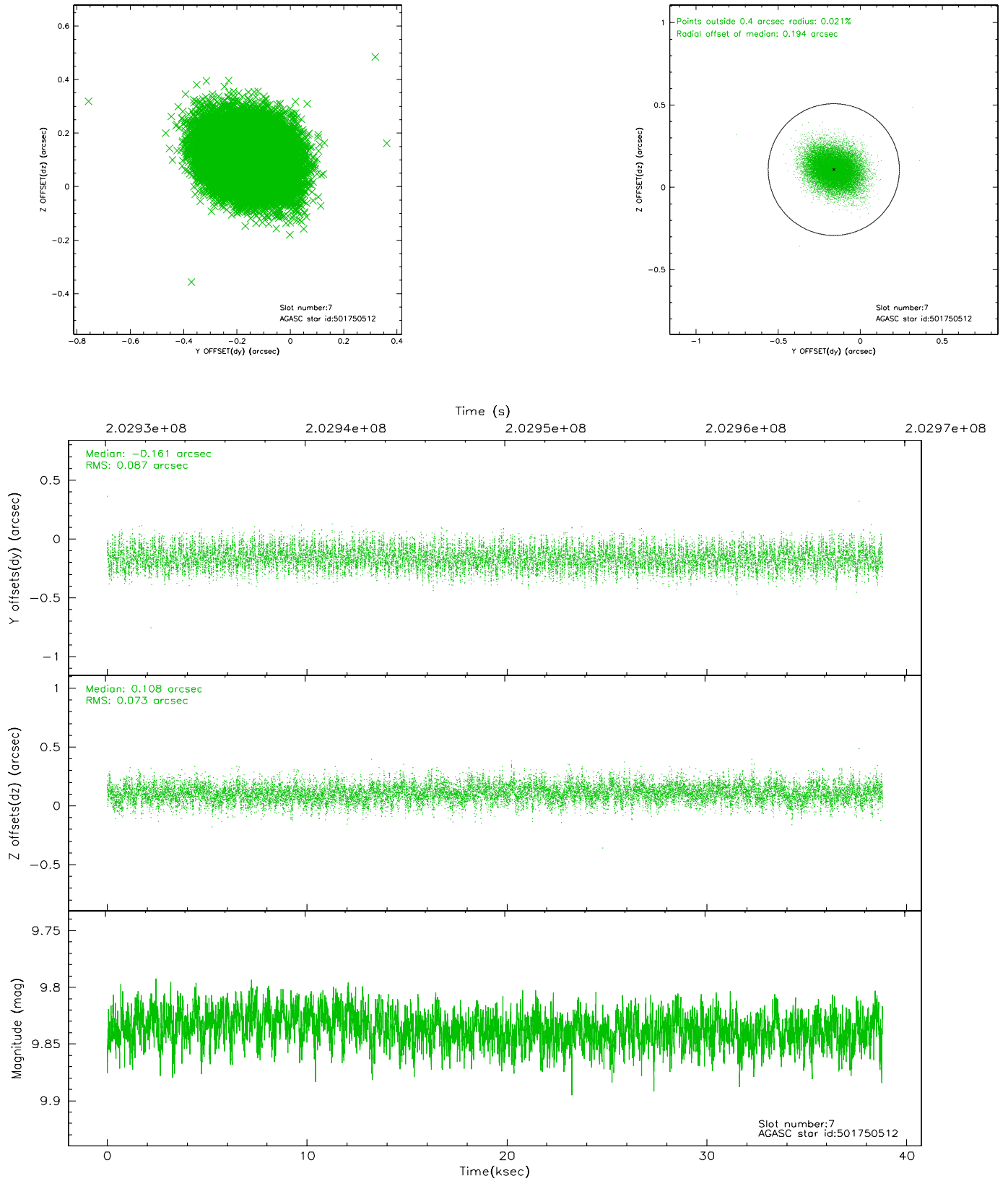
2.4.3 Slot 5



2.4.4 Slot 6

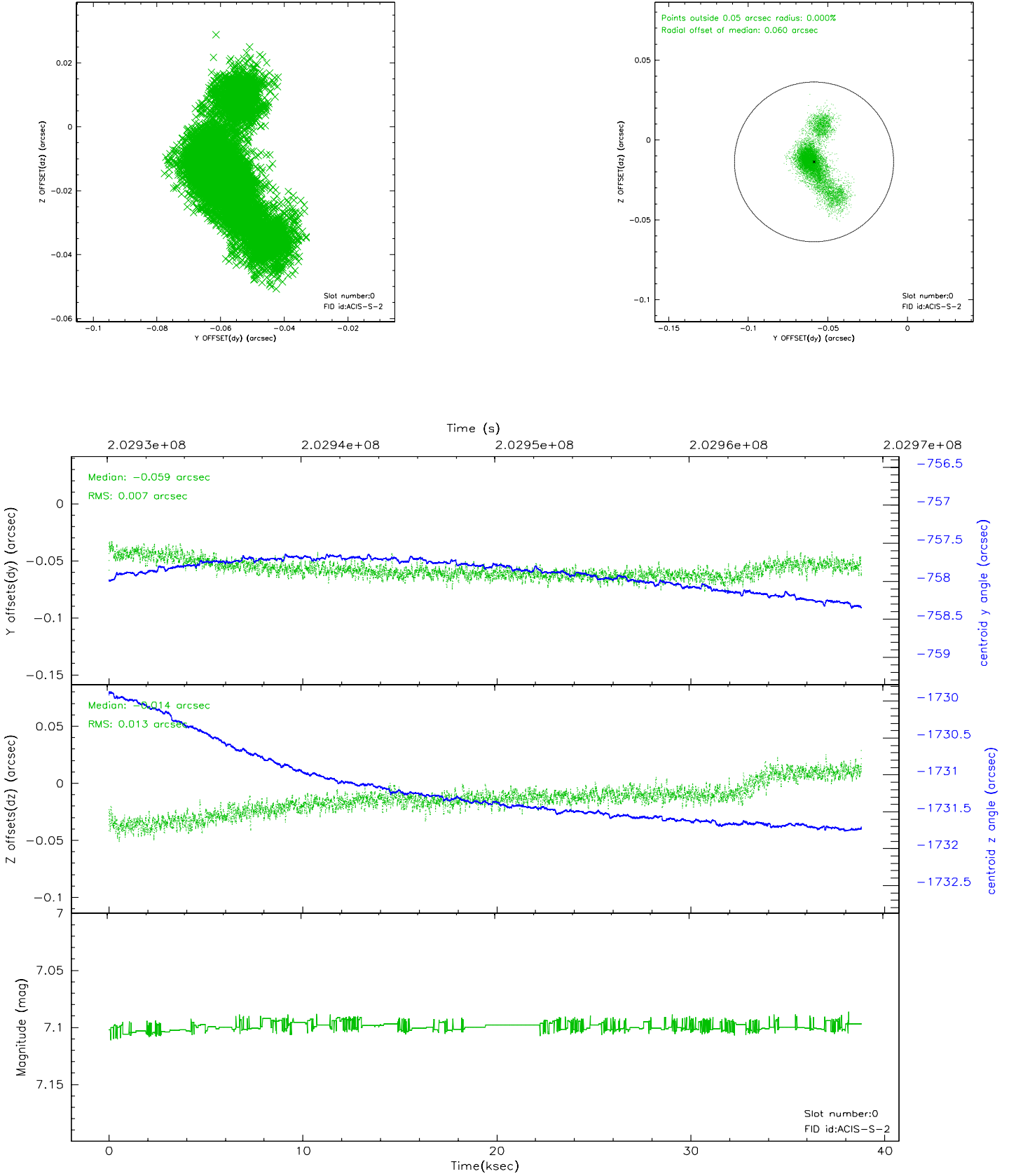


2.4.5 Slot 7

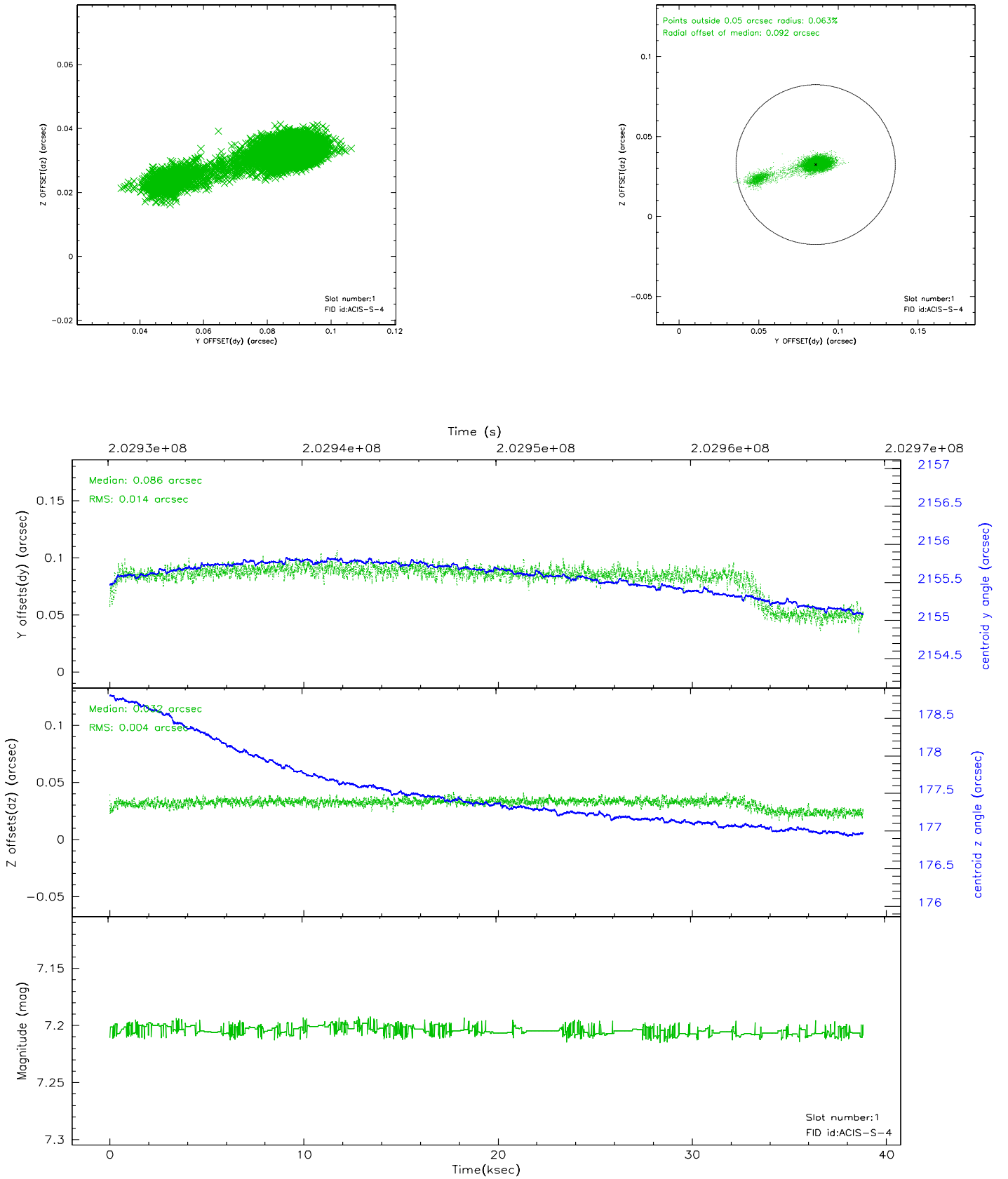


2.5 FID Slots

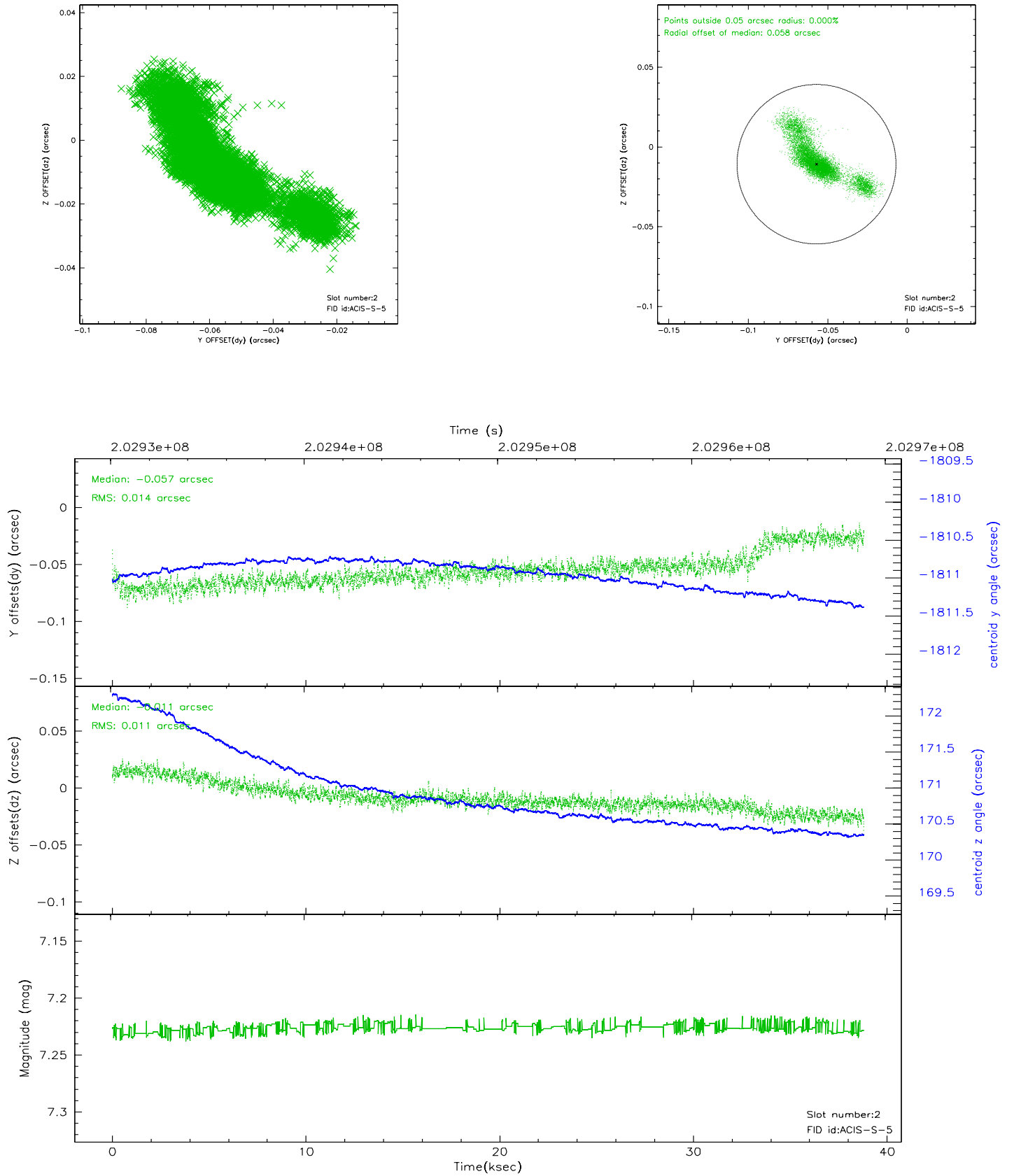
2.5.1 Slot 0



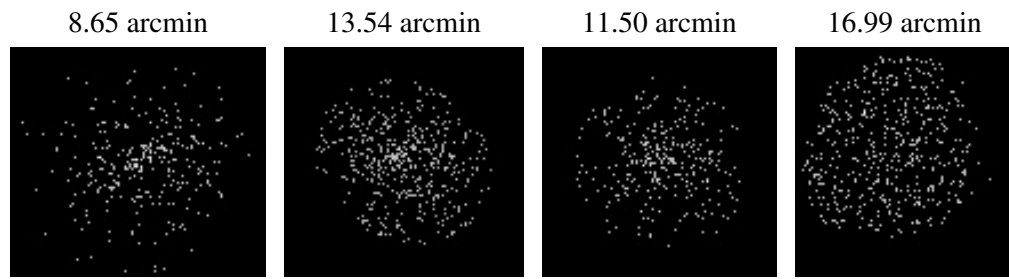
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.805

A.2 Comments

Monitor constraint met. The ACIS focal plane temperature decreases by more than two degrees over the observation, and is above calibration limits for the first 4 ksec.