

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2282 - L2 Version 001
Chandra X-Ray Center

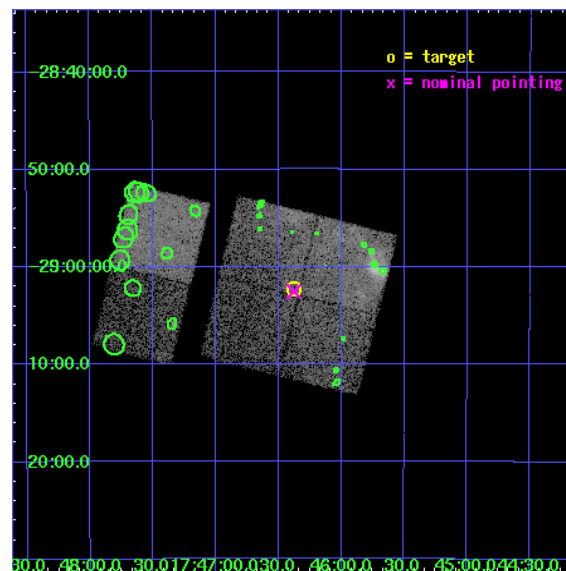
L2 Processing Date : Dec 14 2006

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1 Front

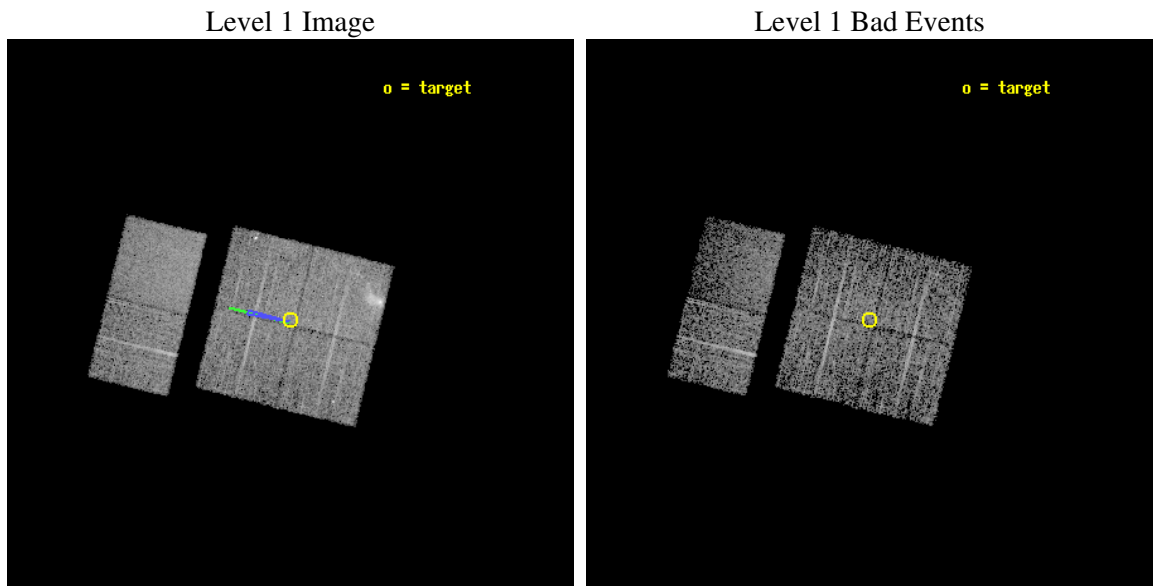
seq_num	900109
obs_id	2282
title	CHANDRA SURVEY OF THE GALACTIC RIDGE AROUND THE MILKY WAY CENTER
observer	Prof. Q. Daniel Wang
object	GCS 13
dtcycle	0
cycle	P
ra_targ	266.5954
dec_targ	-29.0376
ra_nom	266.59456596128
dec_nom	-29.042239389717
roll_nom	283.80728805906
revision	2
ontime	10758.40001002
livetime	10622.170671162
ontime0	10758.40001002
ontime1	10758.40001002
ontime2	10758.40001002
ontime3	10758.40001002
ontime6	10755.159009844
ontime7	10758.40001002
l2events	67712



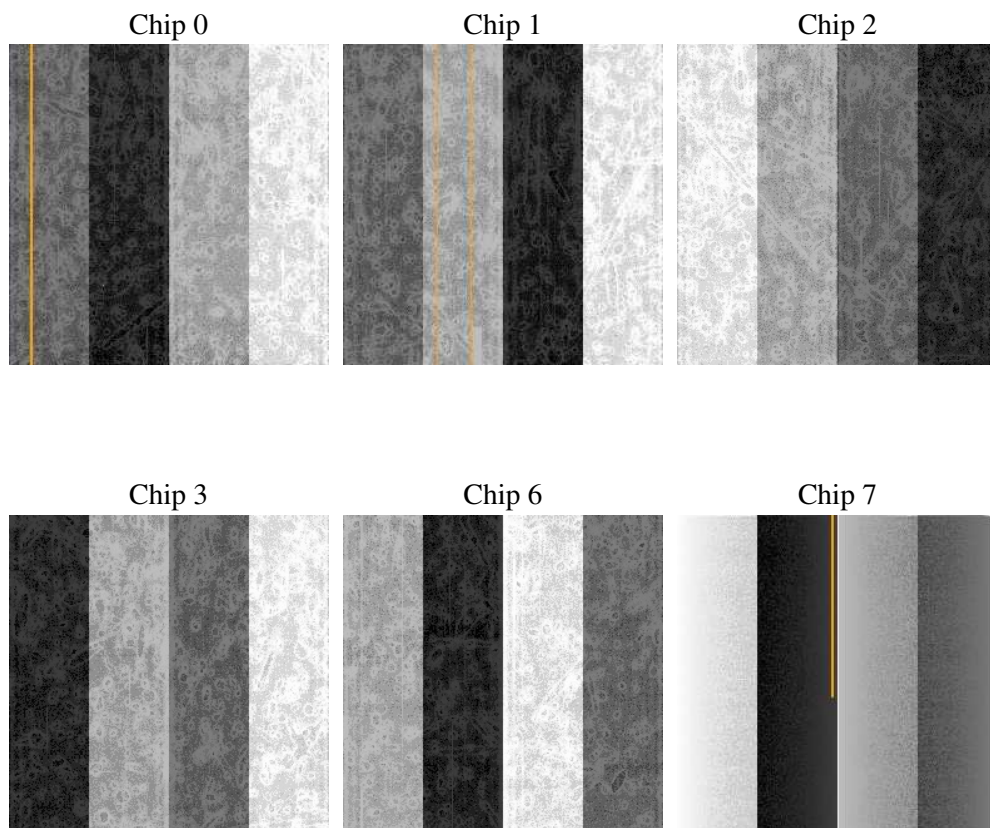
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-14T12:55:28
revision	2

sched_exp_time	11000.000000
ontime	10763.383200973
ontime0	10763.383200973
ontime1	10763.383200973
ontime2	10763.383200973
ontime3	10763.383200973
ontime6	10760.142200798
ontime7	10763.383200973
l1events	204442

2.1.4 Events

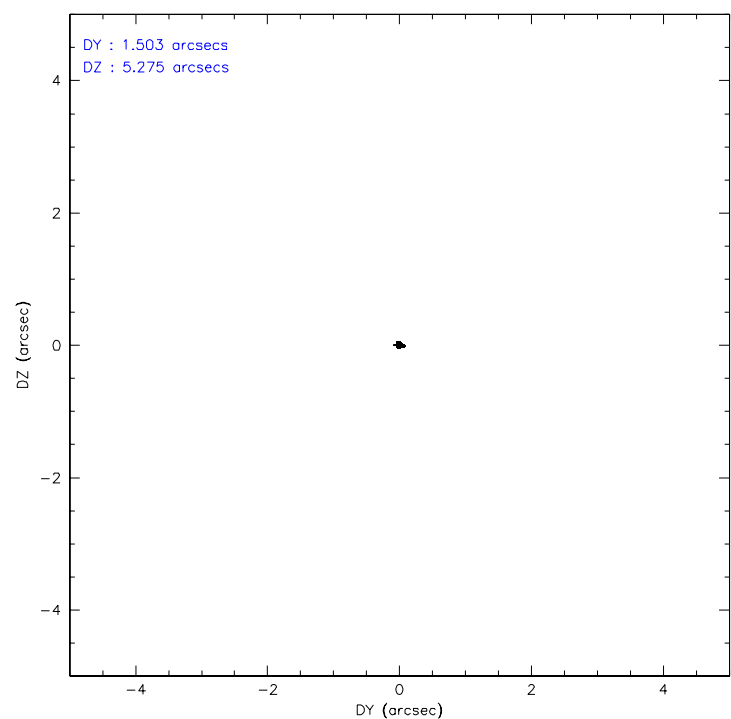
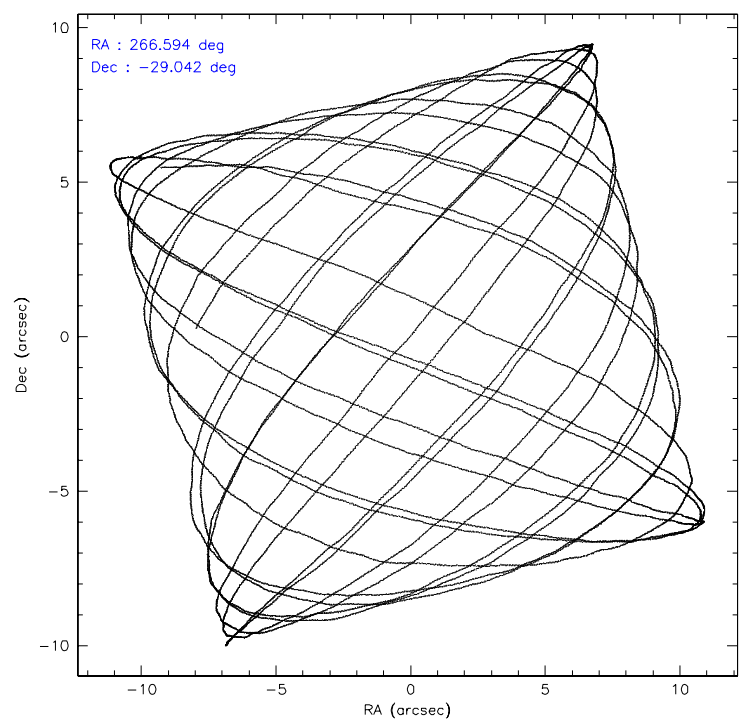
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30541	44925	29470	33782	29377	36347
rejected events	21668	22869	23364	22319	24137	18111
rejected %	70%	50%	79%	66%	82%	49%

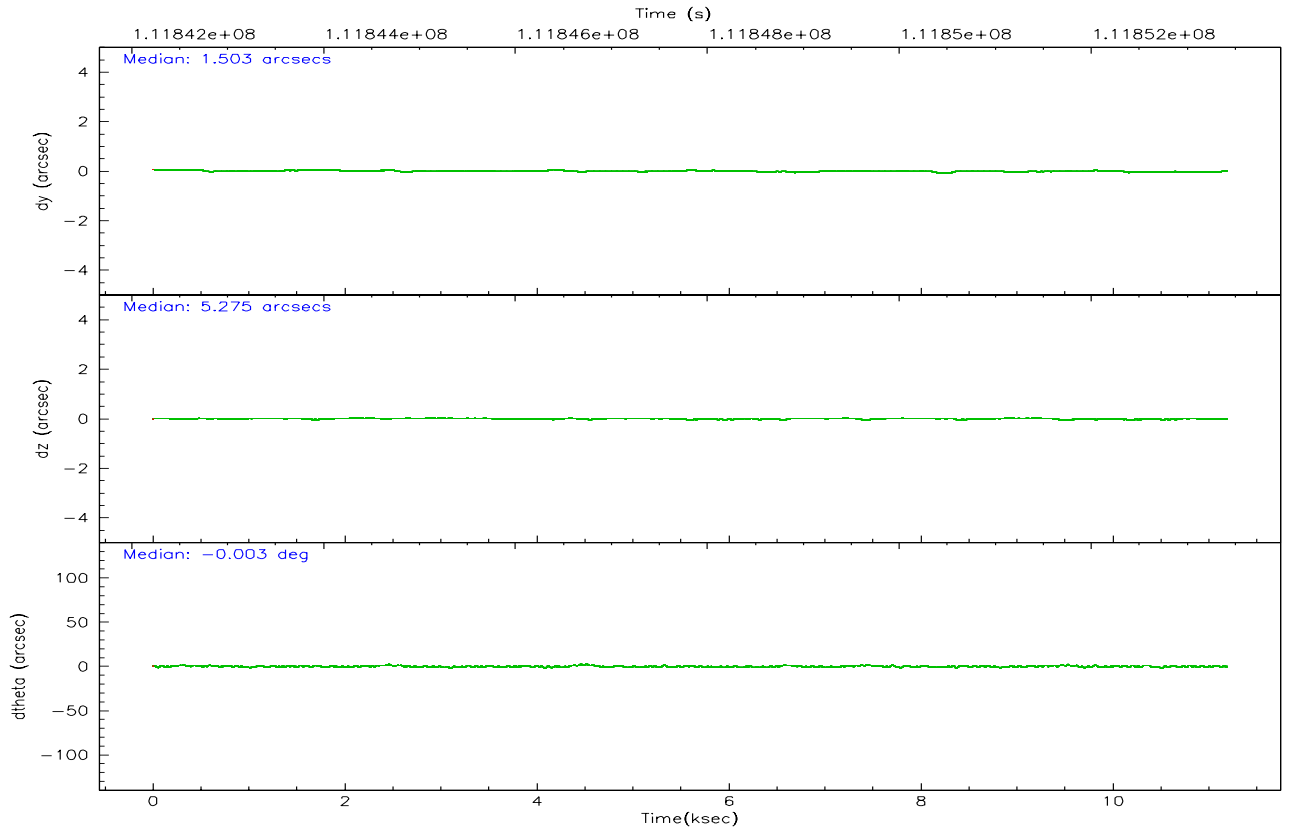
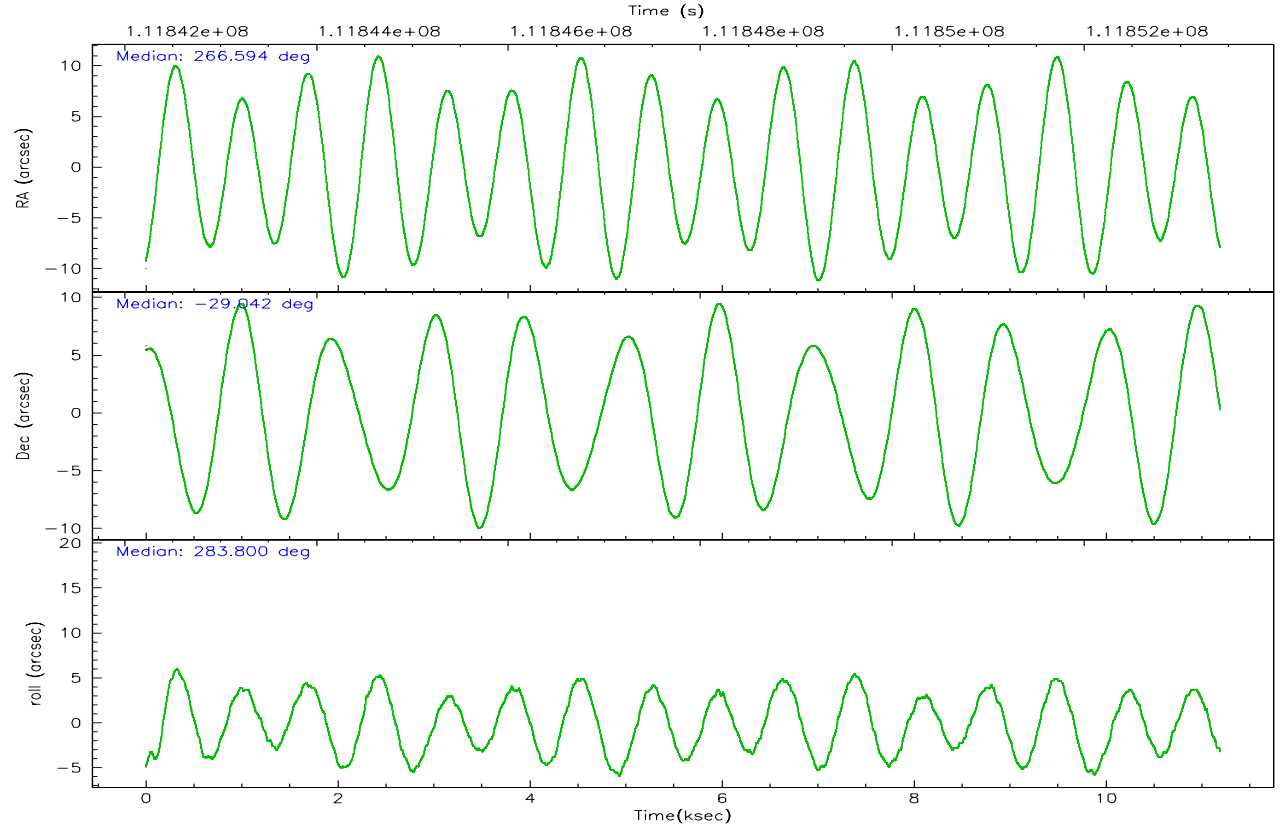
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5113	13870	3349	6940	2437	1167
	16%	30%	11%	20%	8%	3%
grade 1 events	46	100	24	49	26	33
	0%	0%	0%	0%	0%	0%
grade 2 events	1523	3510	1025	1839	1009	4600
	4%	7%	3%	5%	3%	12%
grade 3 events	601	1282	480	731	424	1078
	1%	2%	1%	2%	1%	2%
grade 4 events	588	1251	425	727	445	986
	1%	2%	1%	2%	1%	2%
grade 5 events	1144	1312	1051	1258	1316	3094
	3%	2%	3%	3%	4%	8%
grade 6 events	1054	2156	828	1231	927	10418
	3%	4%	2%	3%	3%	28%
grade 7 events	20472	21444	22288	21007	22793	14971
	67%	47%	75%	62%	77%	41%

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	266.572787	266.5945659612838	Subarray requested	NONE	NONE
Pointing Dec	-29.022498	-29.04223938971724	Alternating exposures requested	N	N
Pointing Roll	283.588029	283.8072880590584	Primary exposure time	0.000000	3.2
Roll angle	283.600000	283.600000			
Roll tolerance	2.000000	2.000000			
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	111842414.184000	111842038.44068			
Observation start date	2001-07-18T11:19:10	2001-07-18T11:13:58			
Observation end time	111853414.184000	111853548.16613			
Observation end date	2001-07-18T14:22:30	2001-07-18T14:25:48			
Read mode	TIMED	TIMED			

2.3 Aspect



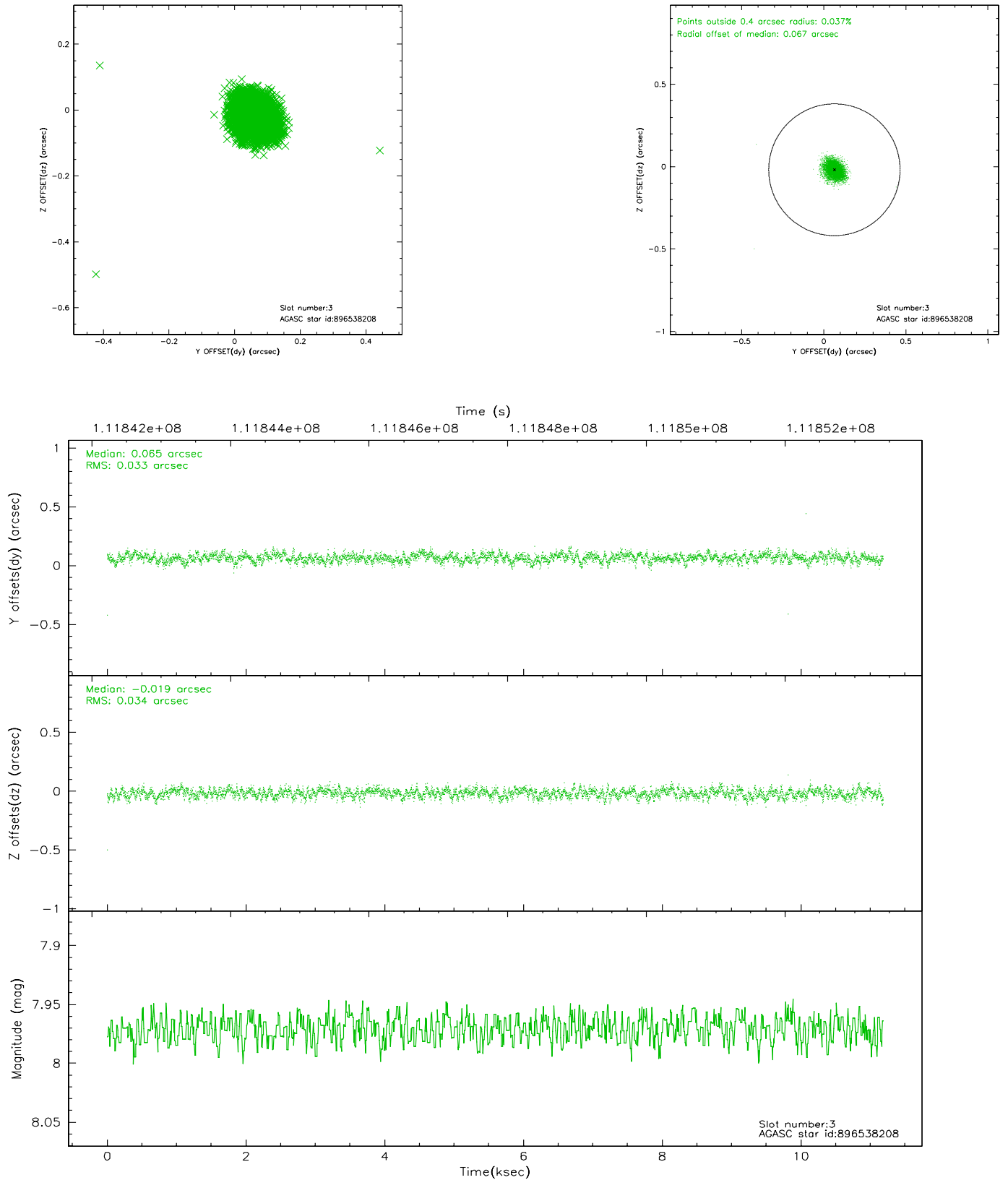


Slot Statistics

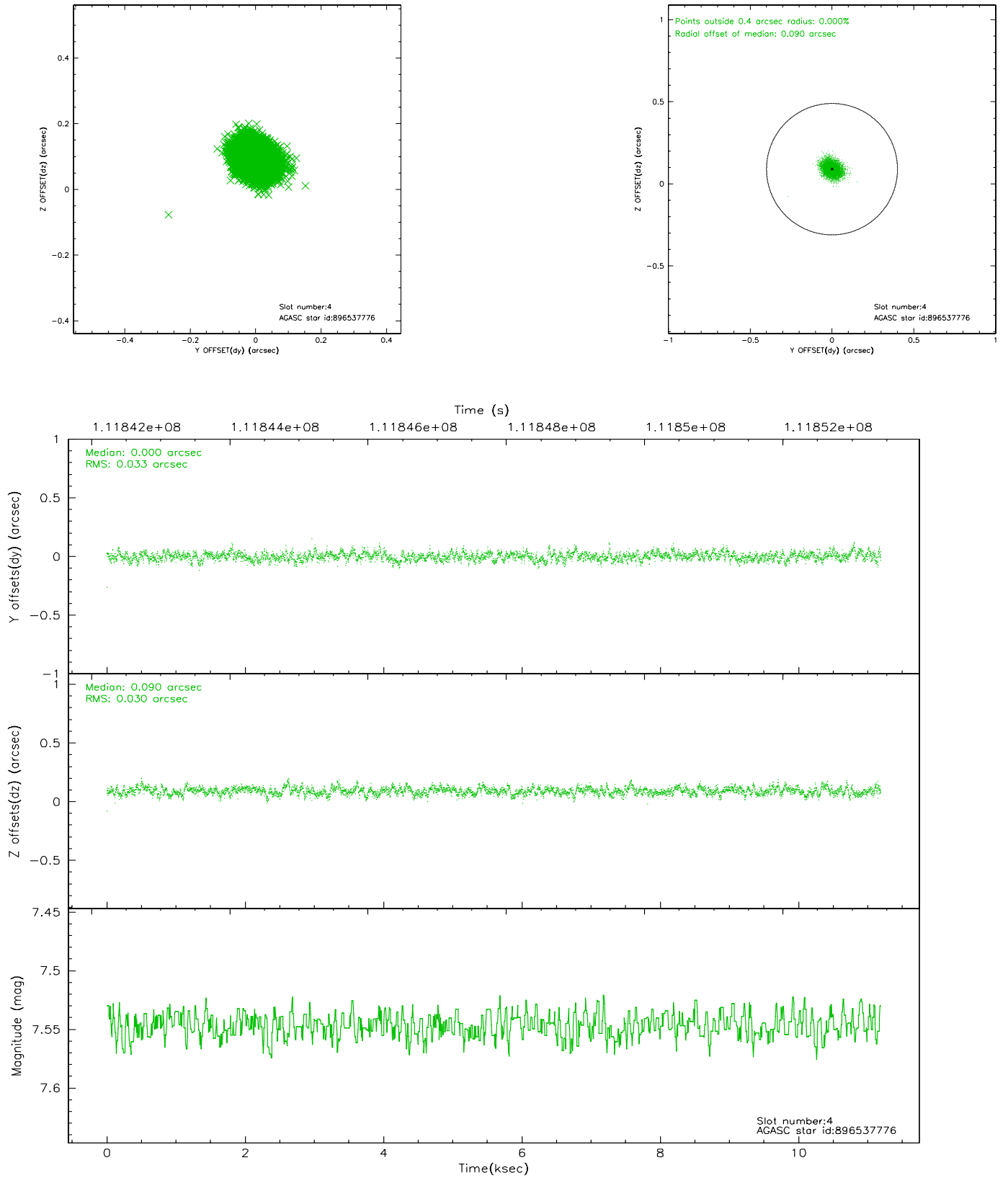
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	2730	-0.016	-0.021	0.012	0.047	0.000000	0.000000	-755.85	-835.01
1	FID	ACIS-I-4	7.19	2730	-0.070	0.025	0.006	0.014	0.000000	0.000000	2157.93	1071.00
2	FID	ACIS-I-5	7.23	2730	-0.015	0.065	0.011	0.035	0.000000	0.000000	-1809.10	1069.37
3	GUIDE	896538208	7.97	5459	0.065	-0.019	0.049	0.081	267.176969	-28.671626	-774.31	2150.87
4	GUIDE	896537776	7.55	5456	0.000	0.090	0.047	0.077	266.655684	-29.665673	2312.15	-290.79
5	GUIDE	896537176	8.02	5459	-0.046	-0.075	0.055	0.087	266.498272	-28.678259	-1258.80	62.50
6	GUIDE	896540808	7.50	5458	-0.128	0.069	0.048	0.077	265.985401	-29.308604	572.95	-2034.81
7	GUIDE	896536320	8.96	5457	0.109	-0.065	0.062	0.103	266.369048	-29.307026	846.85	-862.39

2.4 Star Slots

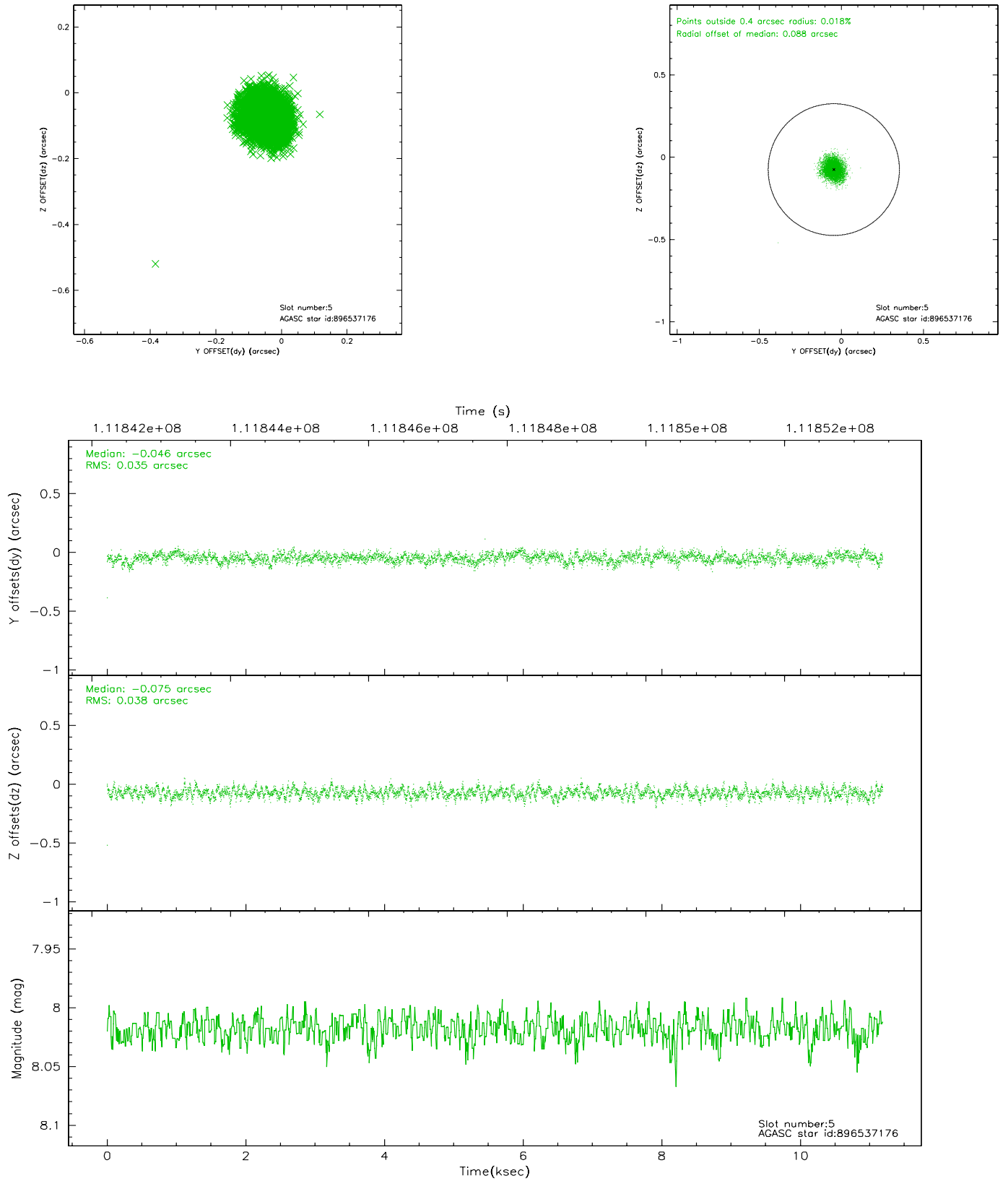
2.4.1 Slot 3



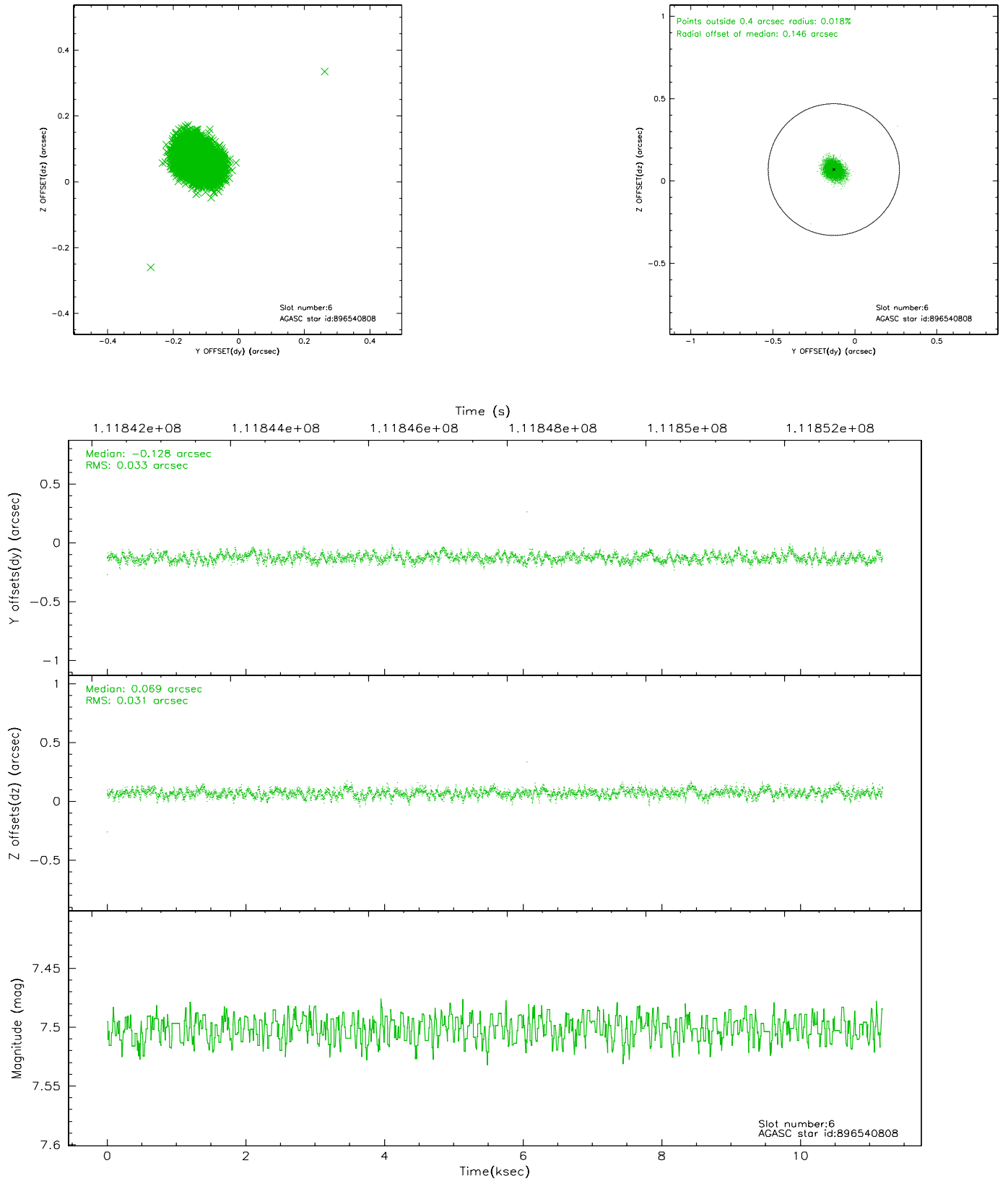
2.4.2 Slot 4



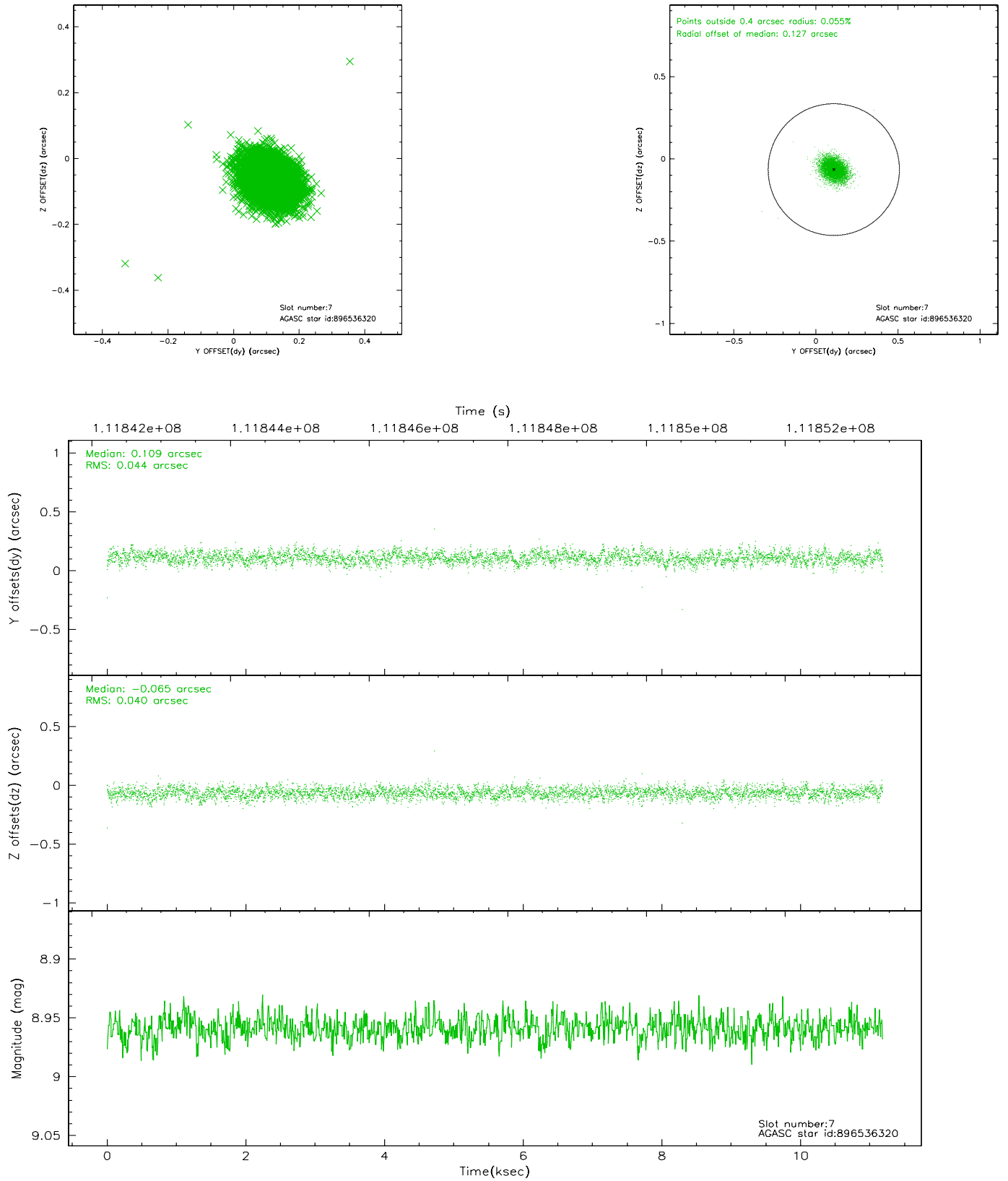
2.4.3 Slot 5



2.4.4 Slot 6

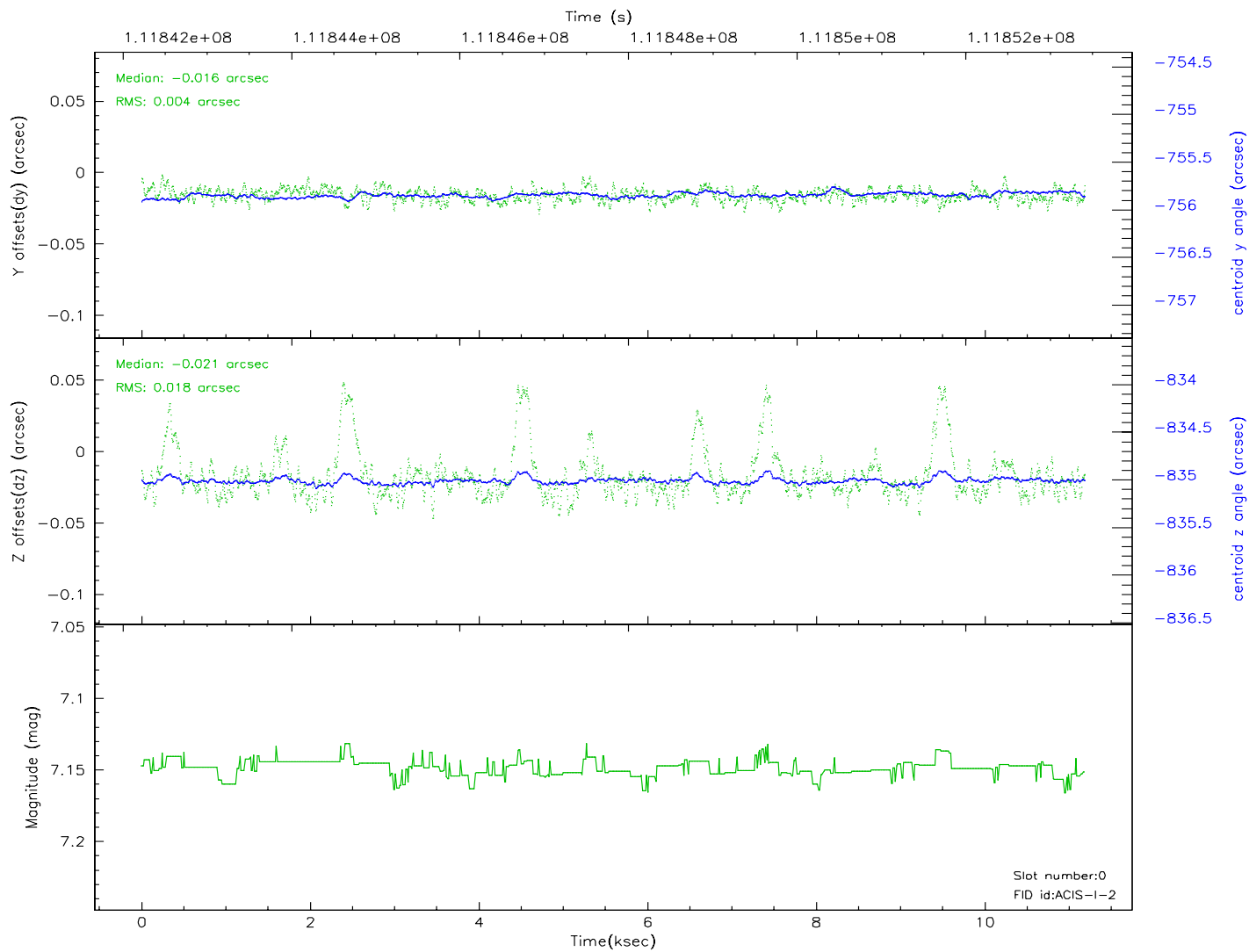
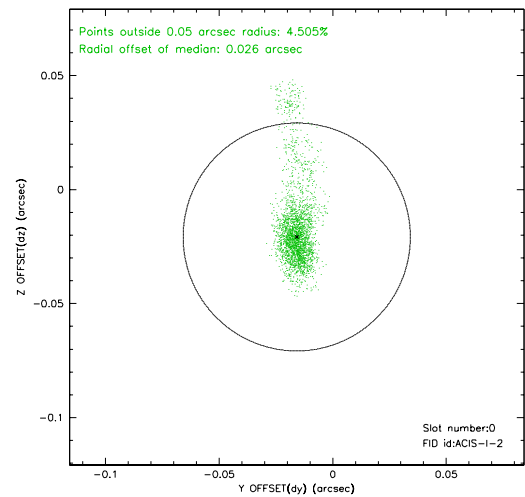
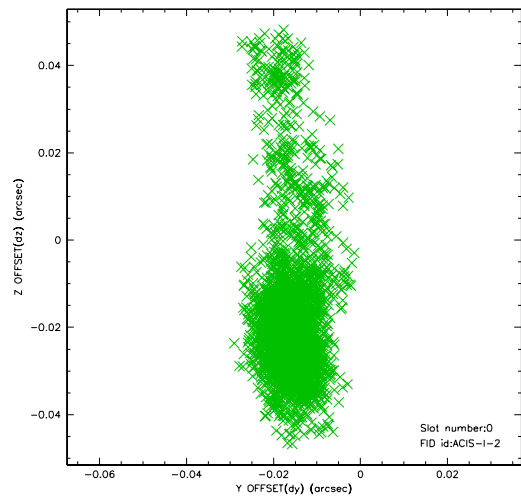


2.4.5 Slot 7

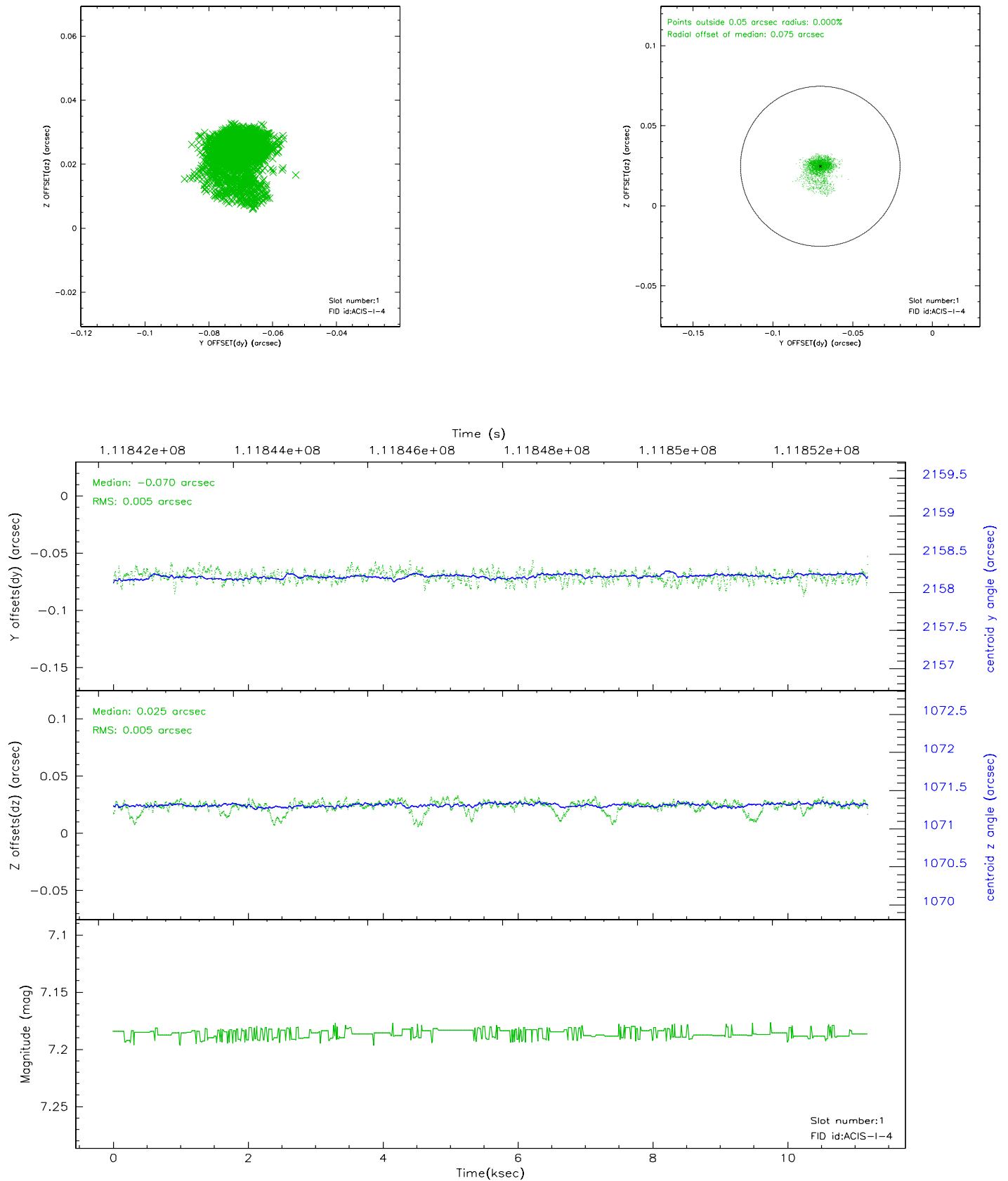


2.5 FID Slots

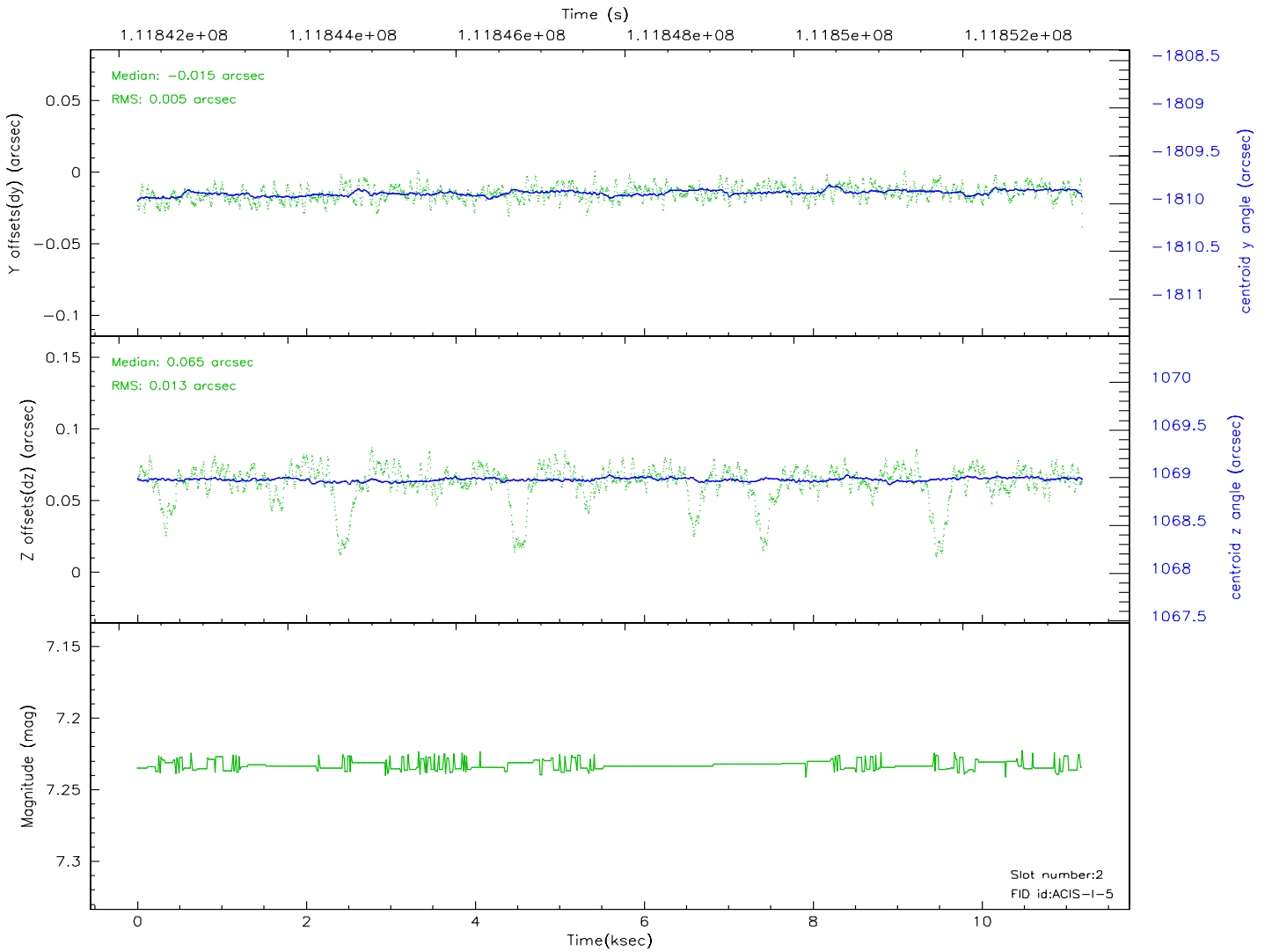
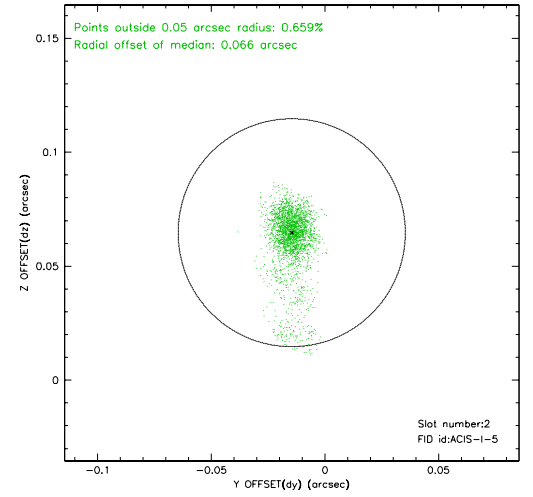
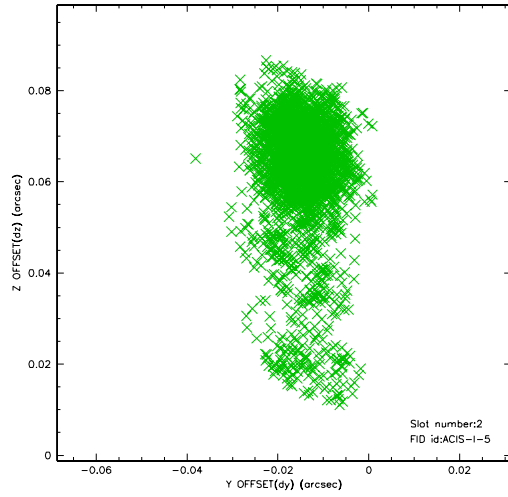
2.5.1 Slot 0



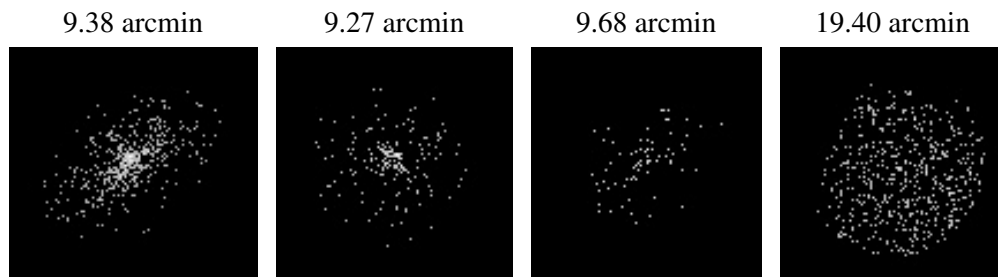
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.761

A.2 Comments

Roll constraint met.