

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4181 - L2 Version 001
Chandra X-Ray Center

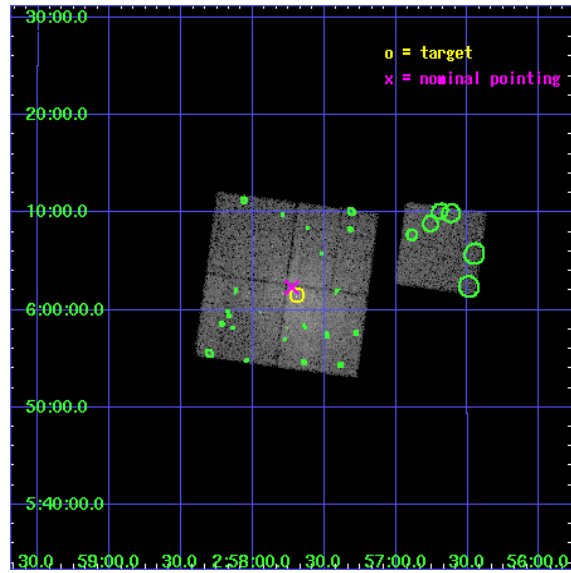
L2 Processing Date : Jul 4 2006

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

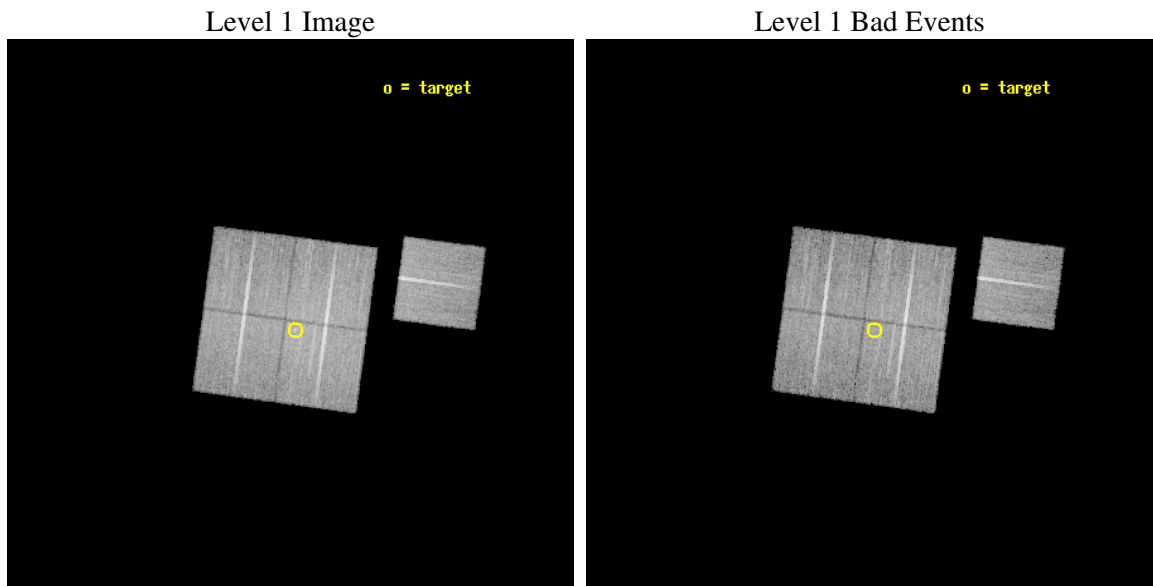
seq_num	800337
obs_id	4181
title	THE HIFLUGCS CLUSTER SURVEY: A CORNERSTONE FOR COSMOLOGY
observer	Dr. Craig Sarazin
object	A0400
dtcycle	0
cycle	P
ra_targ	44.42323
dec_targ	6.02467
ra_nom	44.431664004479
dec_nom	6.0384826963782
roll_nom	97.682049566292
revision	2
ontime	21777.499958128
livetime	21492.960888813
ontime0	21771.21799767
ontime1	21774.358977914
ontime2	21774.358957976
ontime3	21777.499958128
ontime6	21777.499958128
l2events	80608



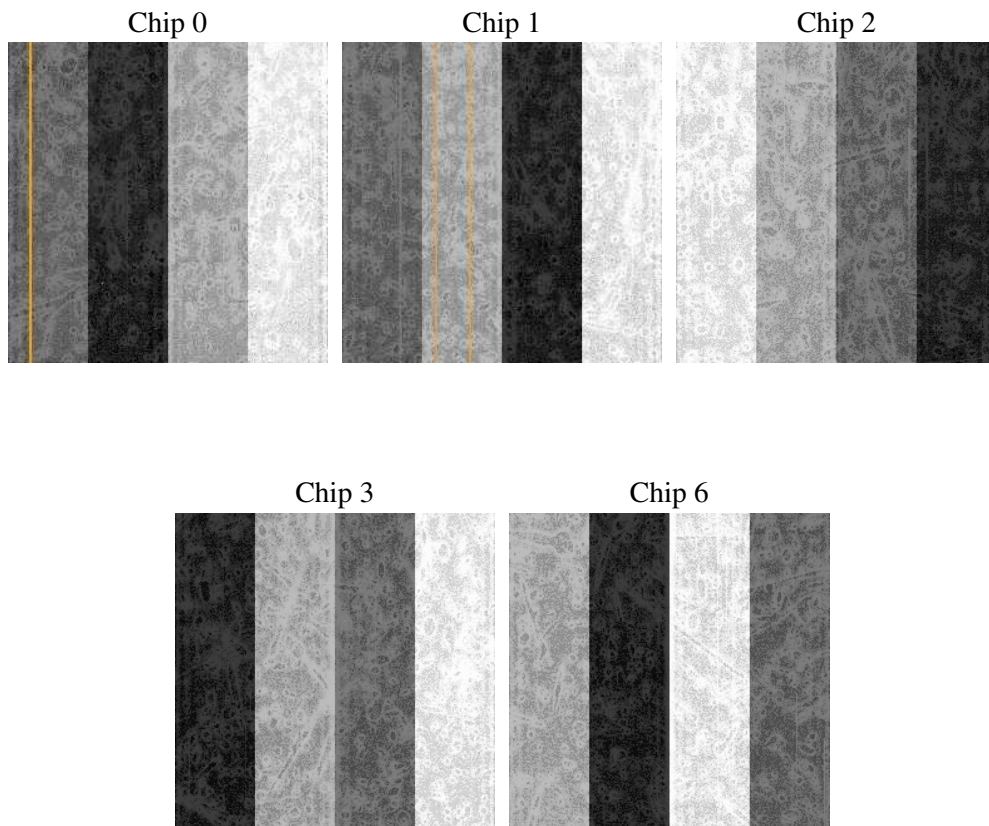
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-04T10:10:52
revision	2

sched_exp_time	21604.000000
ontime	22320.015107632
ontime0	22313.733147174
ontime1	22316.874127418
ontime2	22316.874087572
ontime3	22320.015107632
ontime6	22320.015087724
l1events	621305

2.1.4 Events

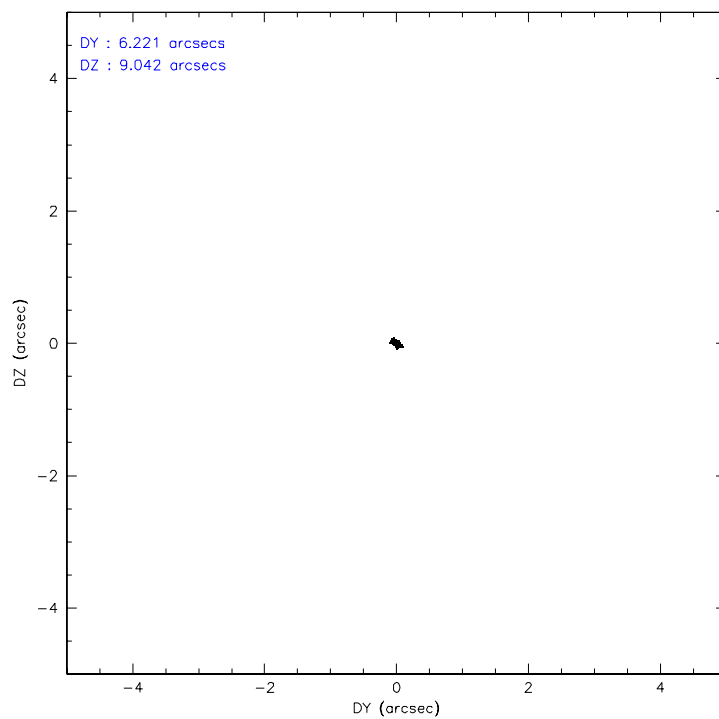
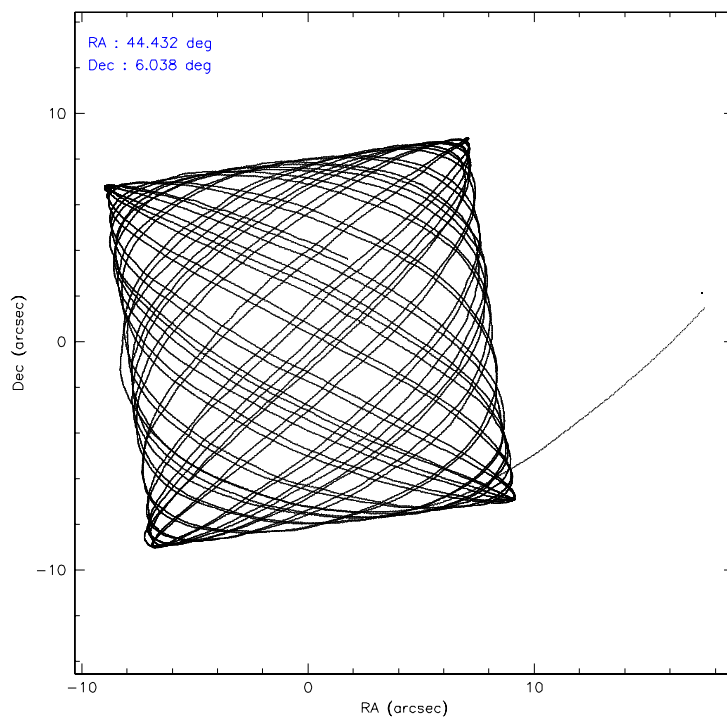
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	113319	116872	135637	136804	118673
rejected events	98003	98337	116353	110788	105558
rejected %	86%	84%	85%	80%	88%

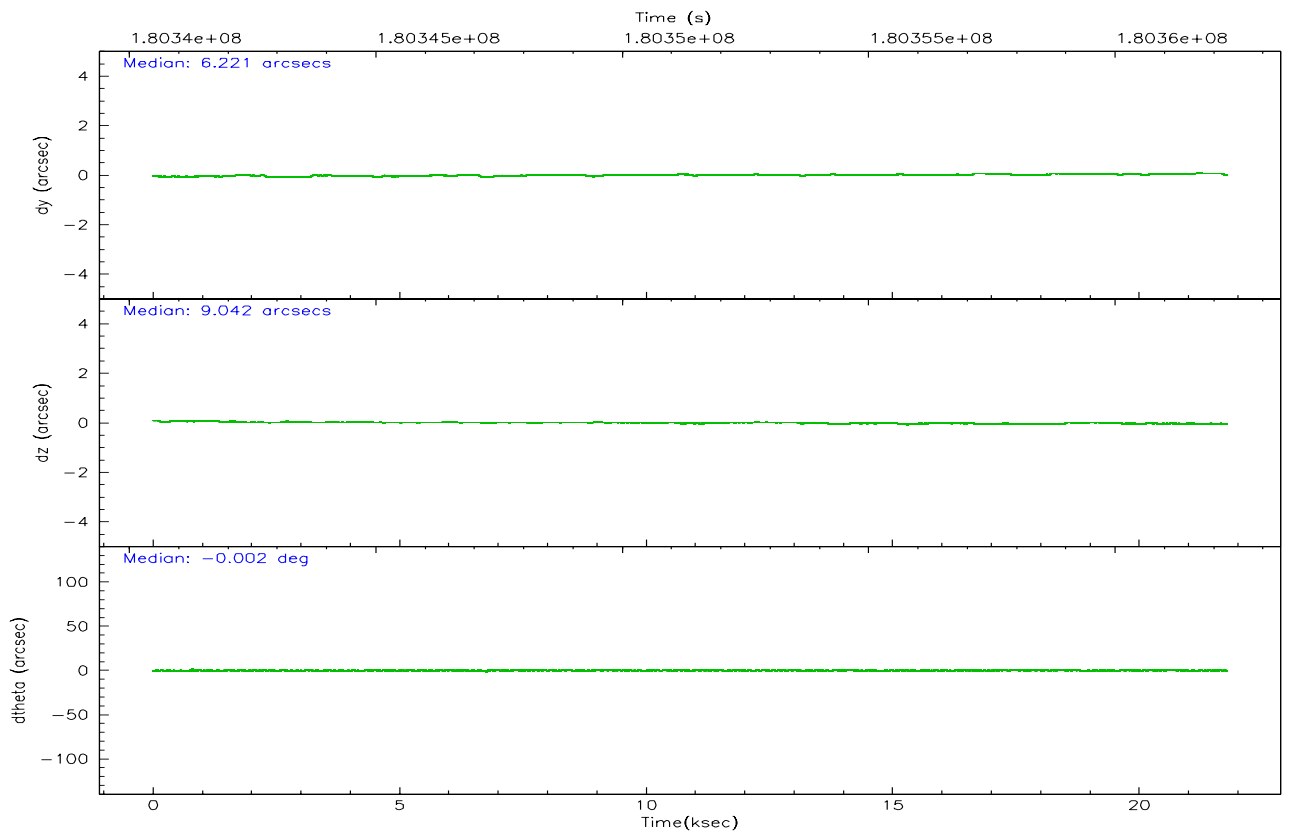
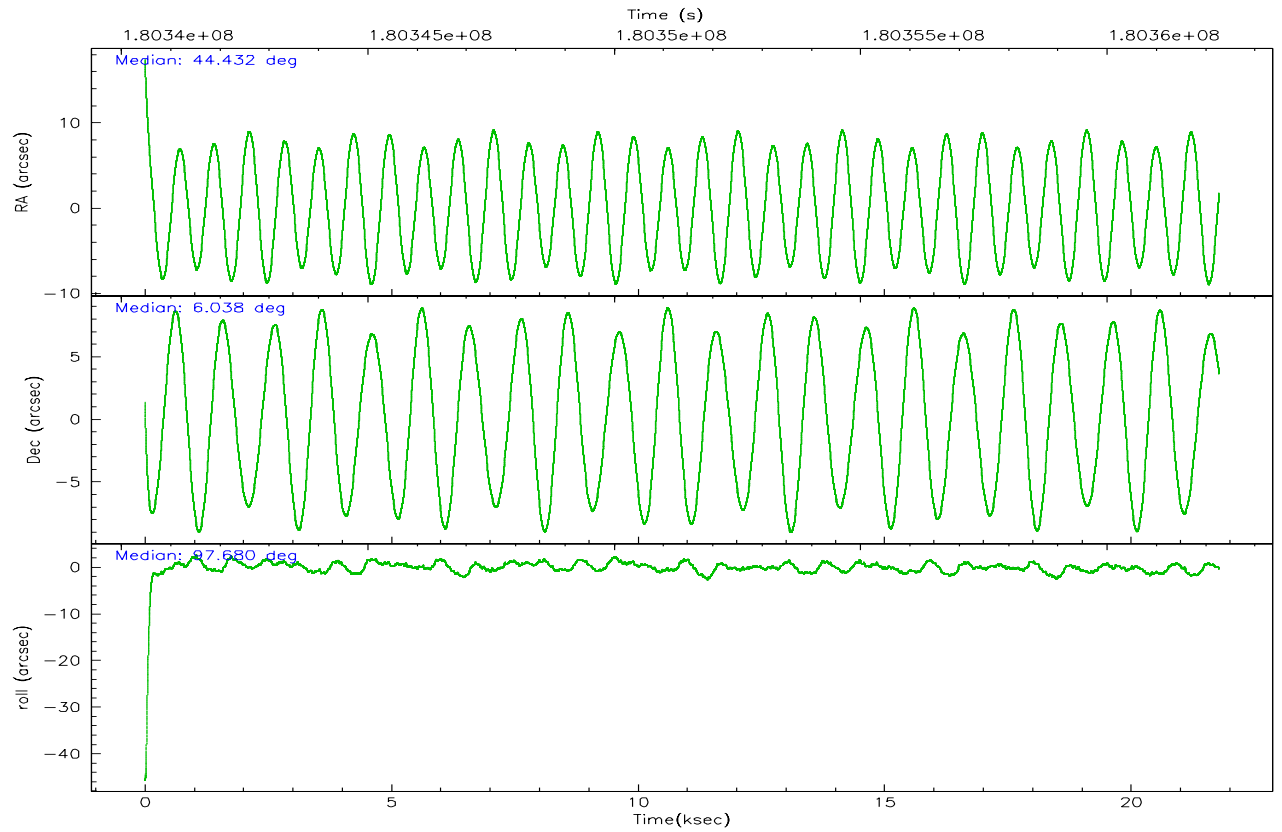
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7462	9496	10939	16707	5425
	6%	8%	8%	12%	4%
grade 1 events	68	85	90	122	56
	0%	0%	0%	0%	0%
grade 2 events	2970	3341	3384	3720	2689
	2%	2%	2%	2%	2%
grade 3 events	1559	1669	1499	1667	1414
	1%	1%	1%	1%	1%
grade 4 events	1411	1599	1517	1742	1345
	1%	1%	1%	1%	1%
grade 5 events	3988	4450	3970	4652	4580
	3%	3%	2%	3%	3%
grade 6 events	2232	2783	2261	2571	2527
	1%	2%	1%	1%	2%
grade 7 events	93629	93449	111977	105623	100637
	82%	79%	82%	77%	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	44.448596	44.43166400447916	Alternating exposures requested	N	N
Pointing Dec	6.016886	6.038482696378175	Primary exposure time	0.000000	3.1
Pointing Roll	97.471615	97.68204956629219			
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	180340660.184000	180339403.12311			
Observation start date	2003-09-19T06:36:36	2003-09-19T06:16:43			
Observation end time	180362264.184000	180363083.69913			
Observation end date	2003-09-19T12:36:40	2003-09-19T12:51:23			
Read mode	TIMED	TIMED			

2.3 Aspect



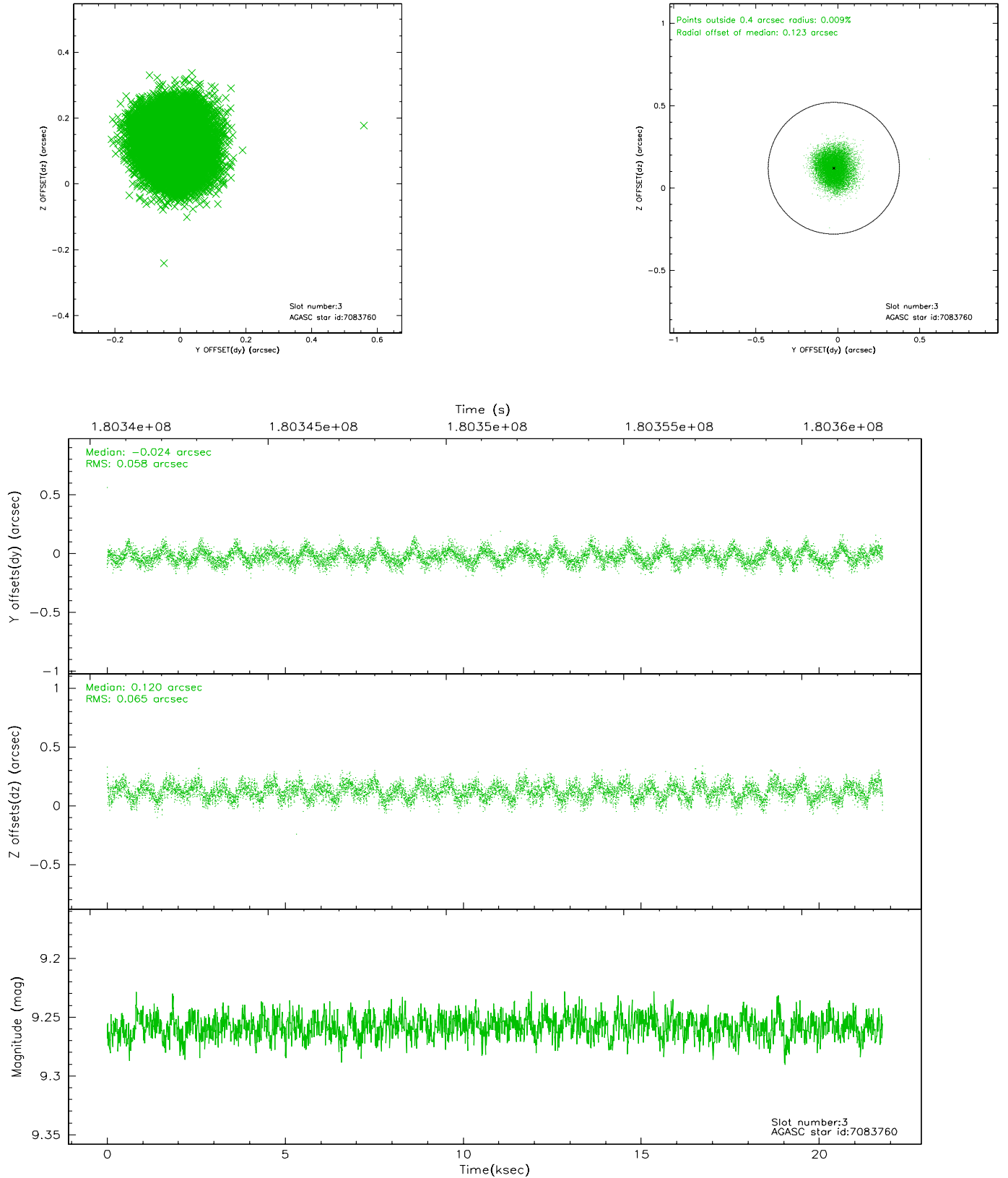


Slot Statistics

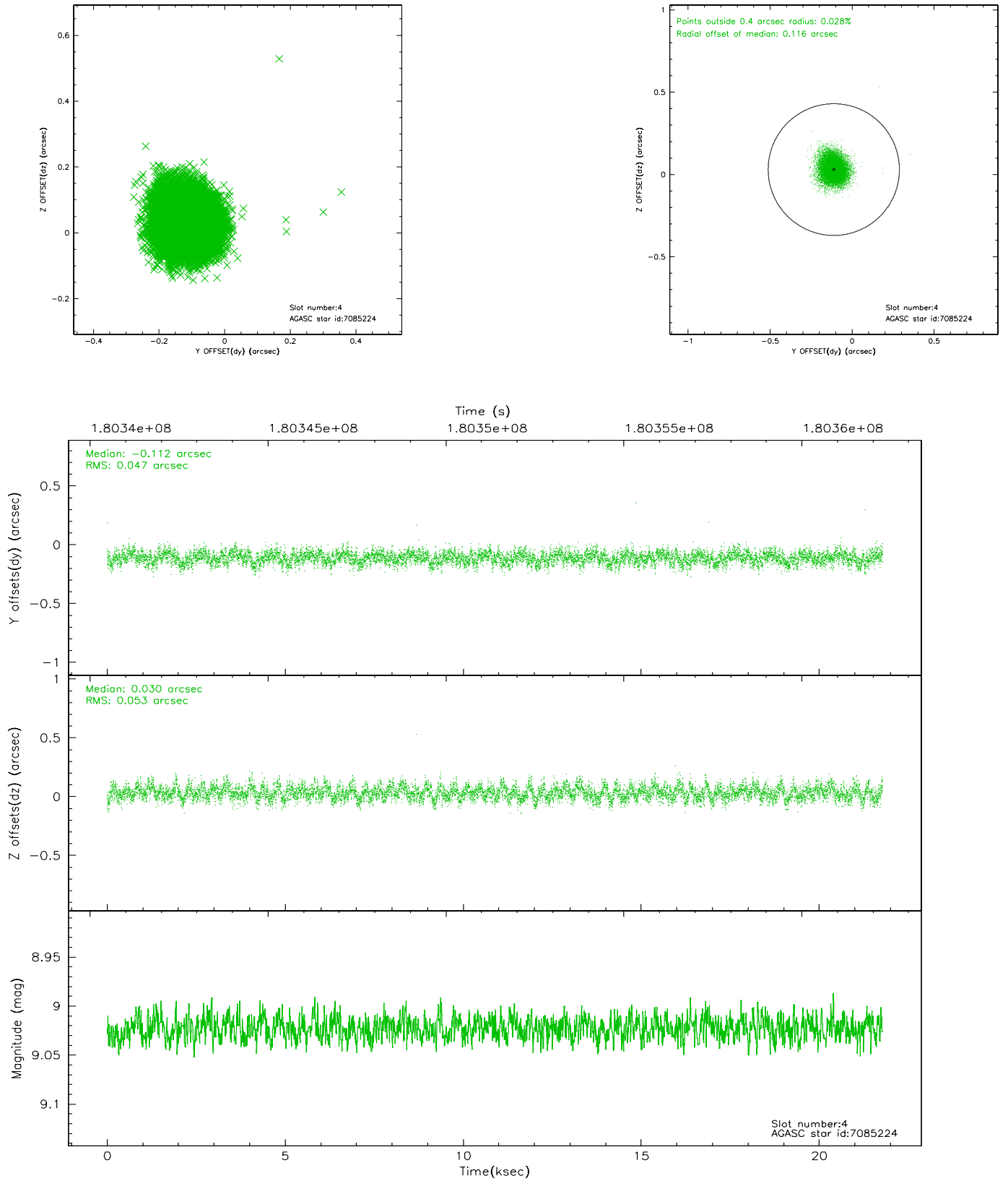
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	5314	-0.015	0.064	0.006	0.010	0.000000	0.000000	933.47	-832.42
1	FID	ACIS-I-5	7.23	5314	-0.116	0.028	0.006	0.010	0.000000	0.000000	-1814.66	1064.94
2	FID	ACIS-I-6	7.26	5314	0.039	-0.021	0.006	0.011	0.000000	0.000000	398.89	1709.59
3	GUIDE	7083760	9.26	10618	-0.024	0.120	0.094	0.146	44.777406	5.881265	-636.76	-1103.87
4	GUIDE	7085224	9.02	10622	-0.112	0.030	0.076	0.121	44.072881	5.998689	110.25	1342.19
5	GUIDE	7085384	8.81	10623	0.085	-0.044	0.077	0.123	44.099254	5.614865	-1271.72	1429.10
6	GUIDE	7085864	9.20	10618	0.111	-0.036	0.083	0.135	44.337583	5.477979	-1871.77	646.86
7	GUIDE	7078976	9.34	10624	-0.060	-0.073	0.093	0.148	43.883933	6.307004	1299.12	1867.58

2.4 Star Slots

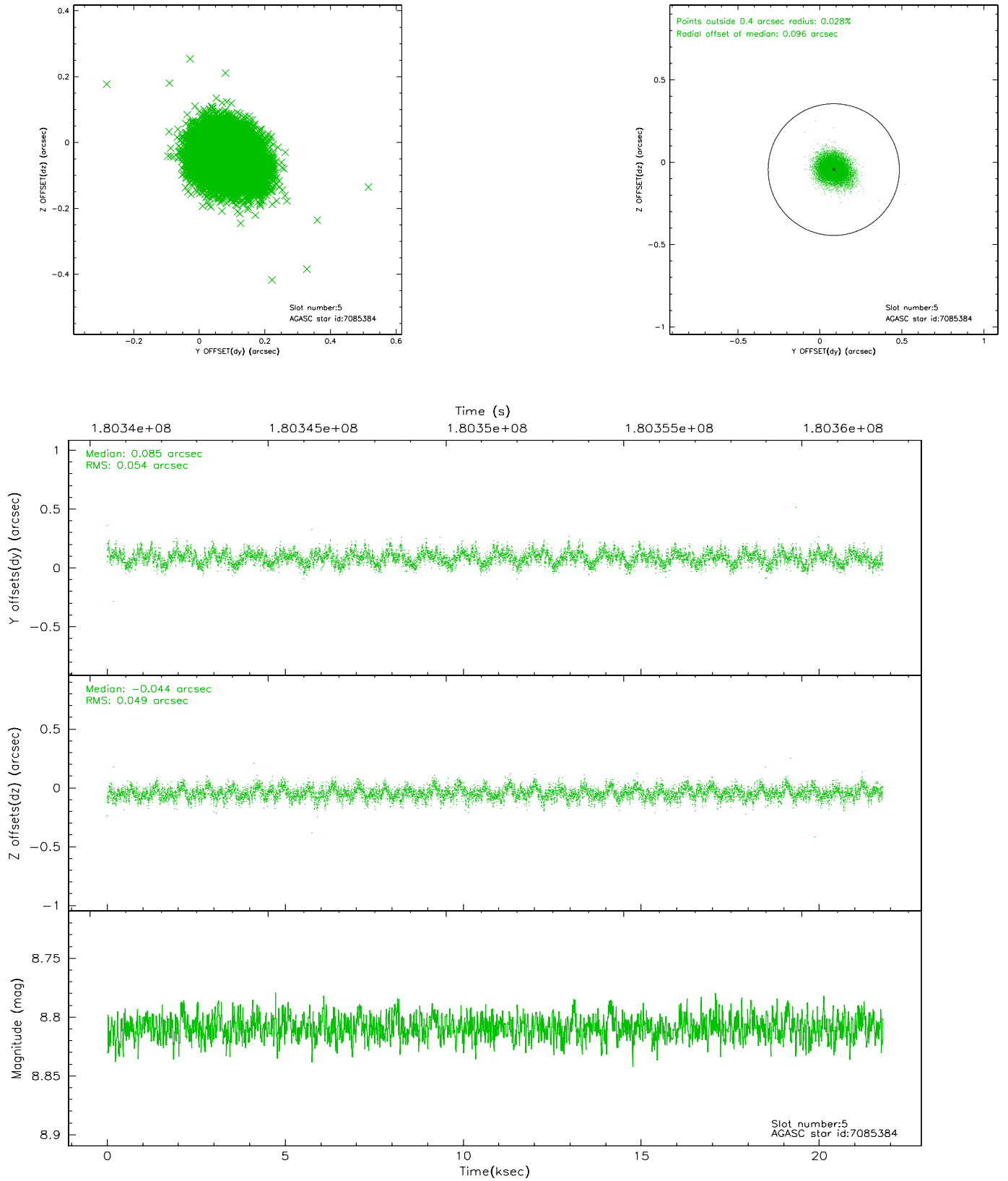
2.4.1 Slot 3



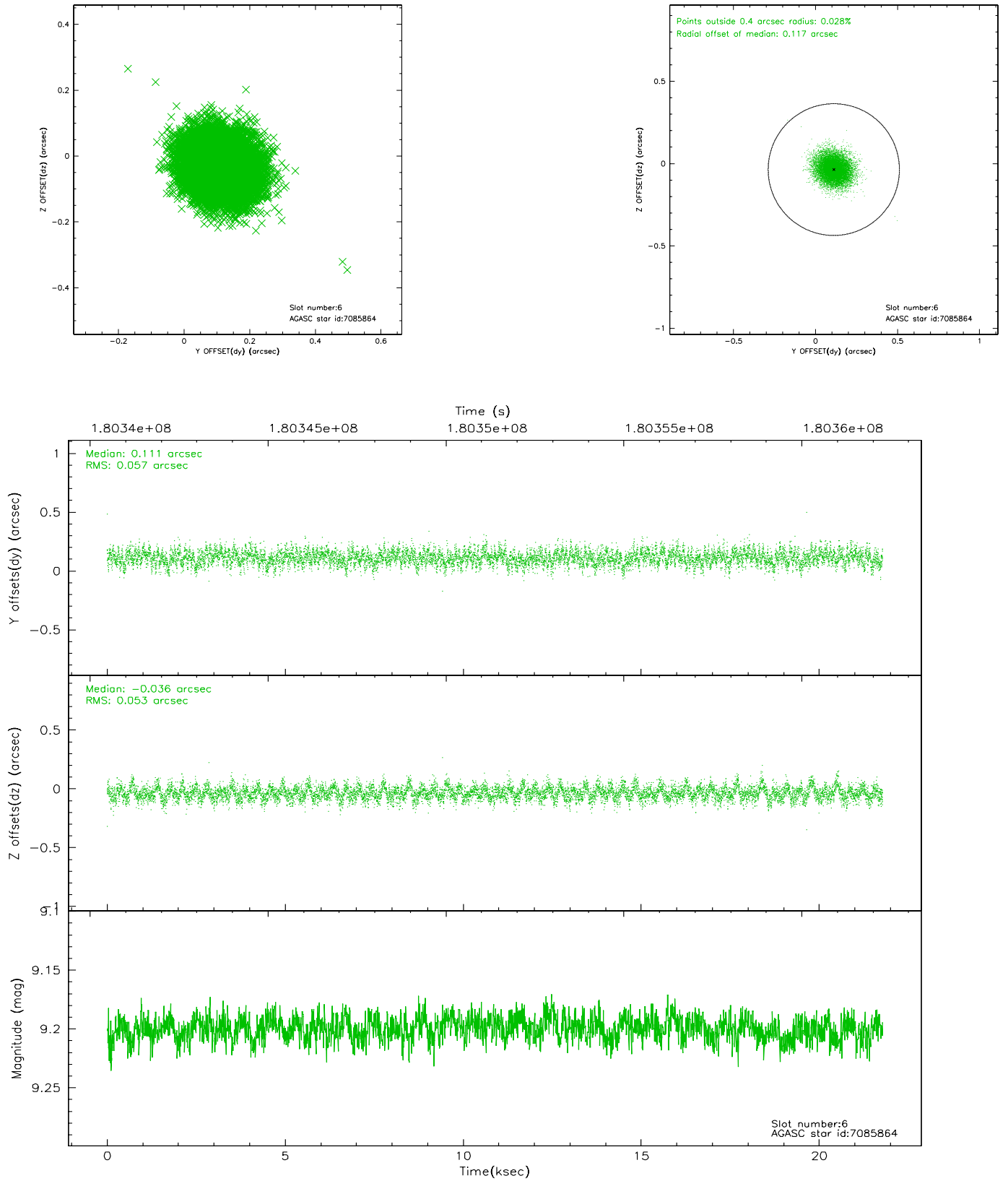
2.4.2 Slot 4



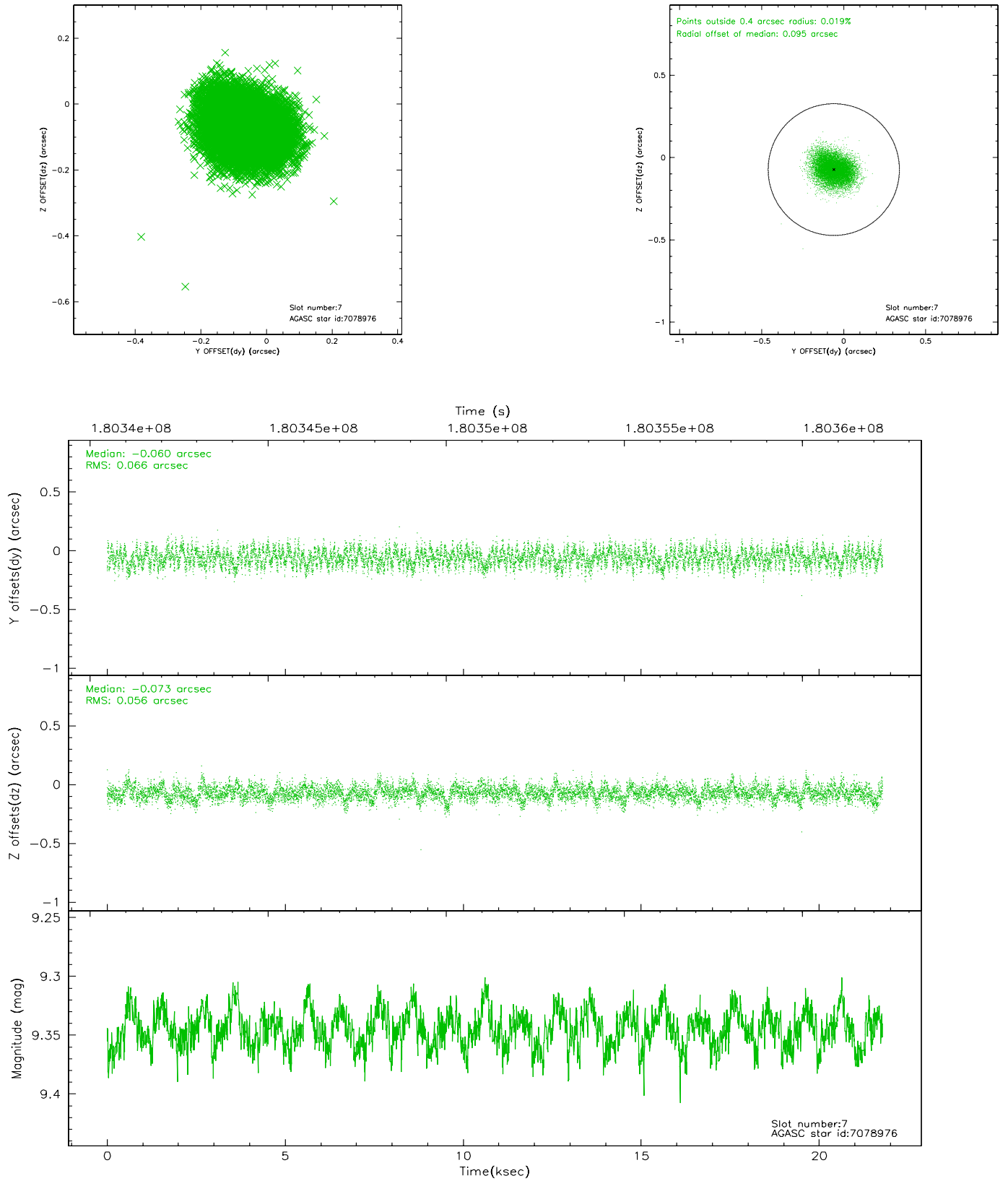
2.4.3 Slot 5



2.4.4 Slot 6

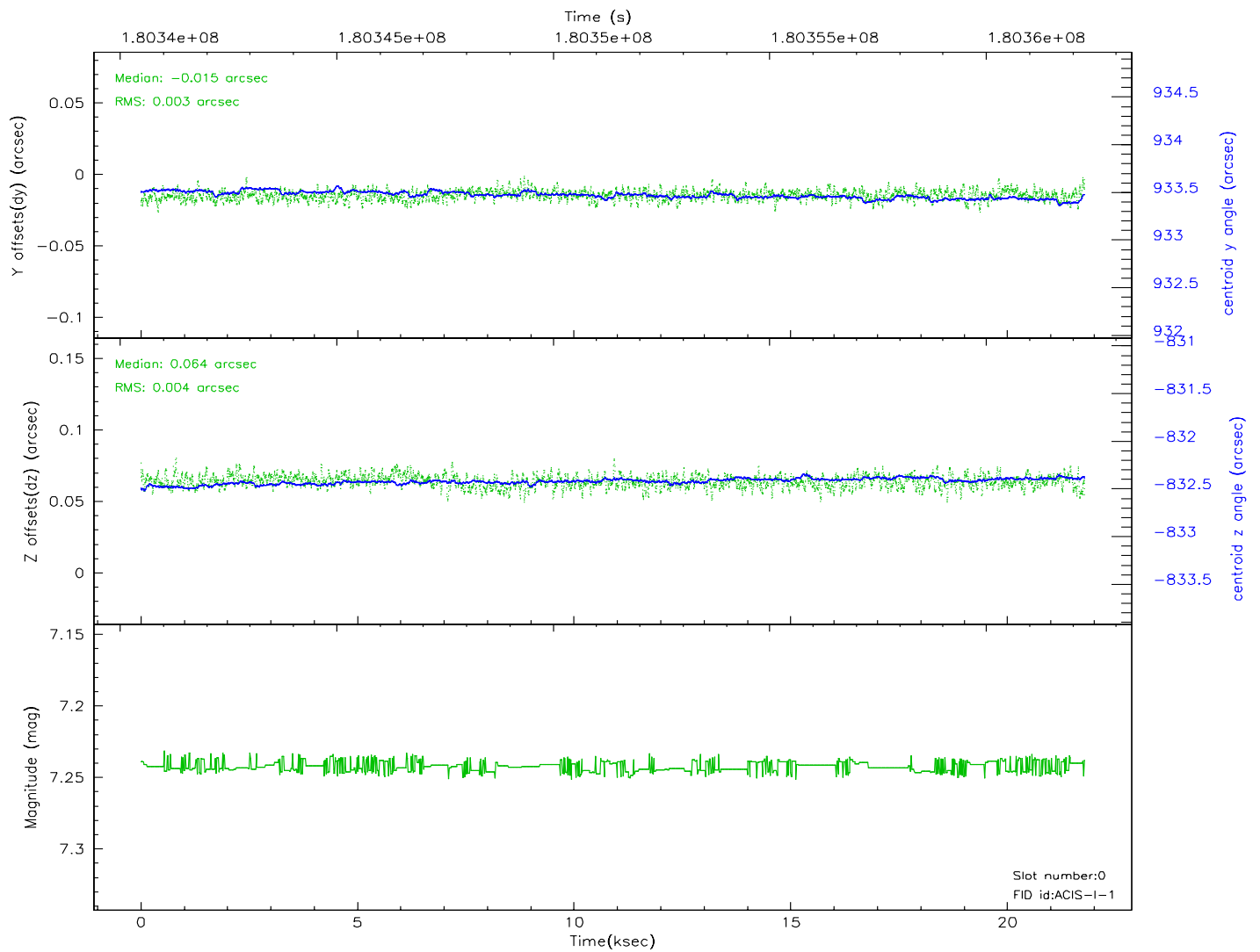
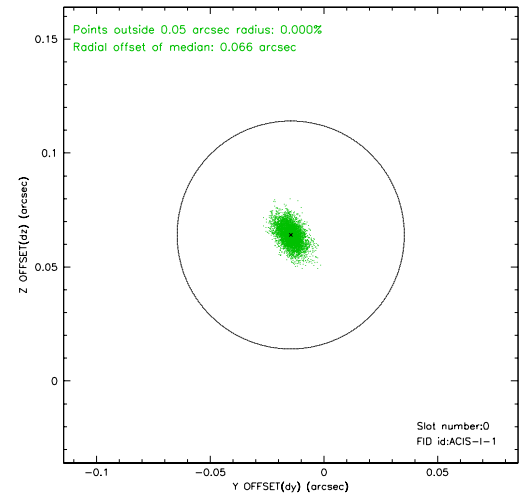
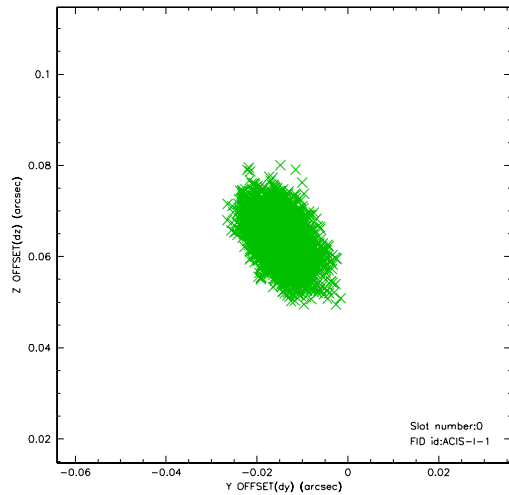


2.4.5 Slot 7

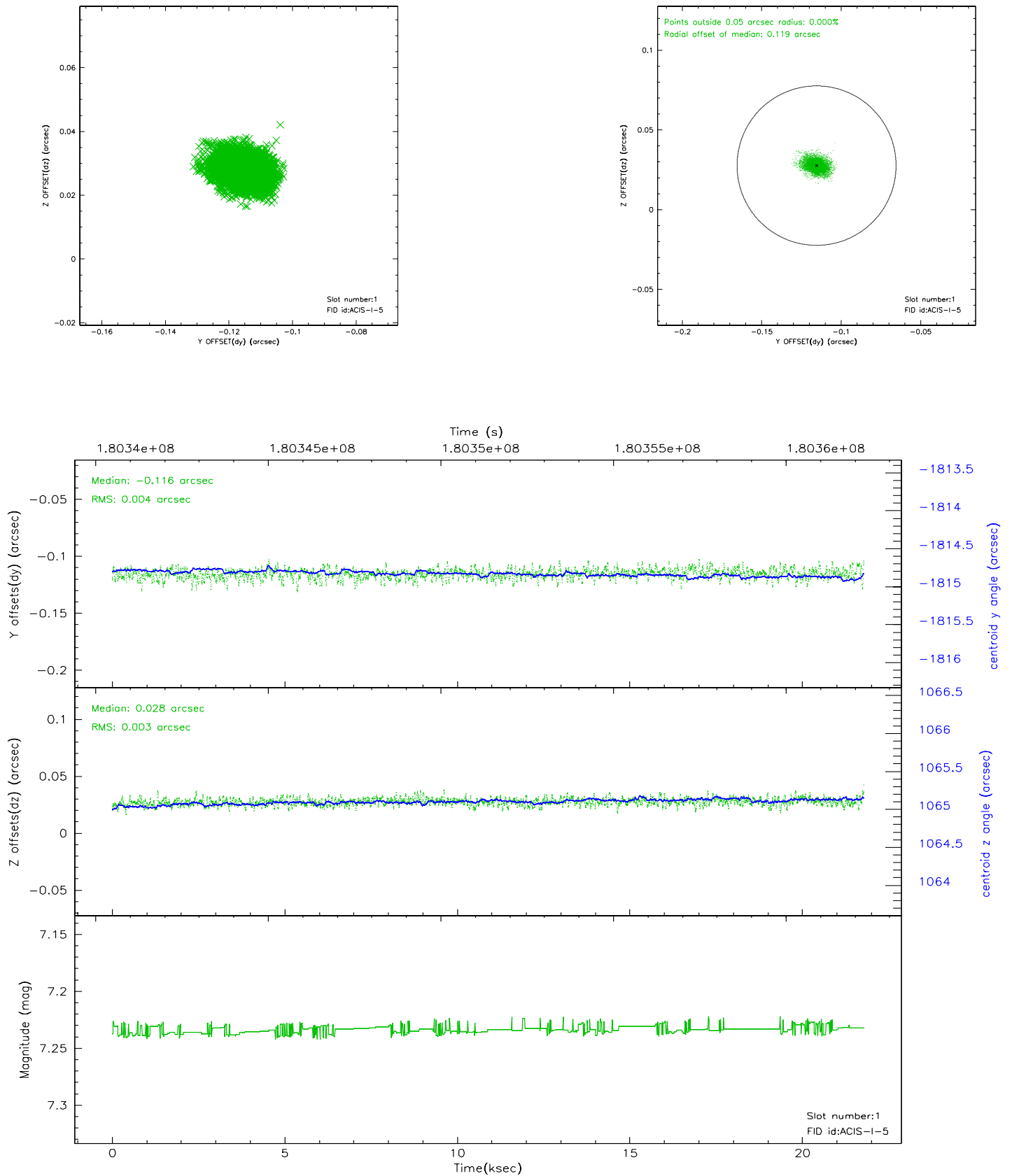


2.5 FID Slots

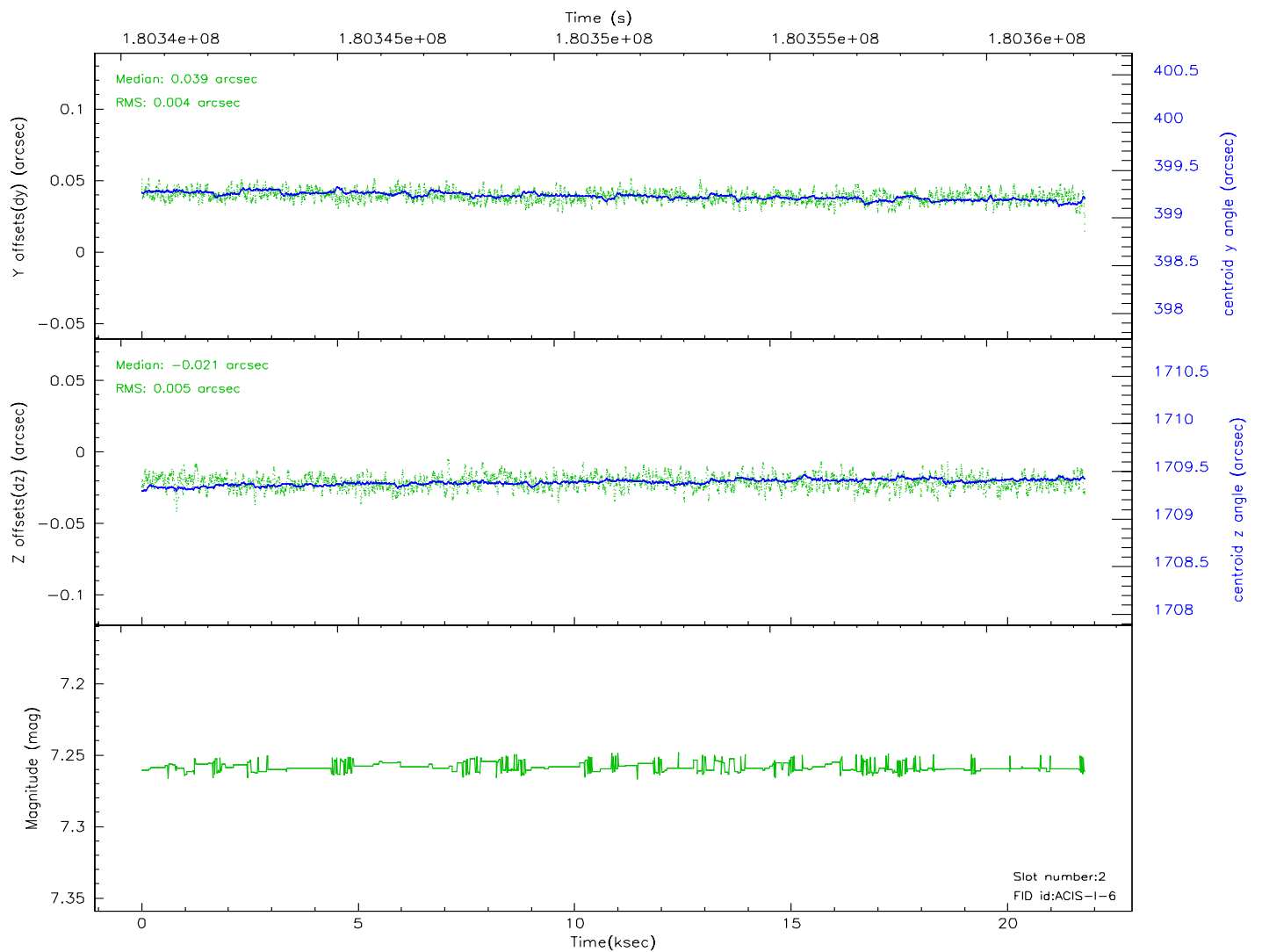
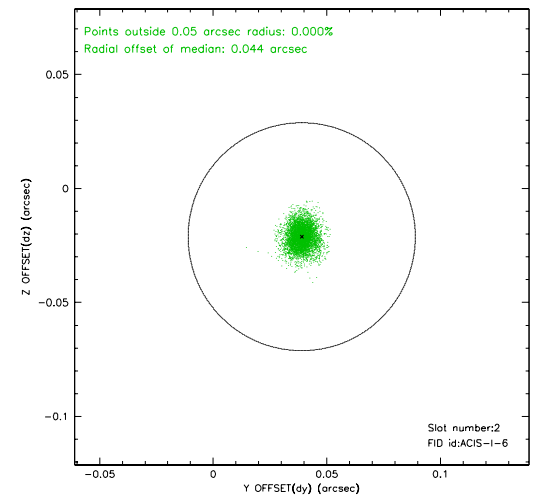
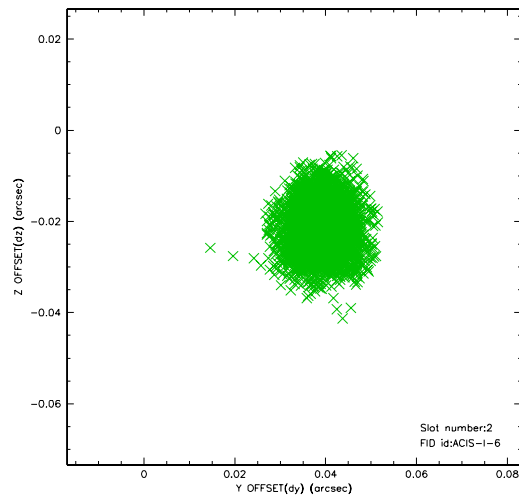
2.5.1 Slot 0



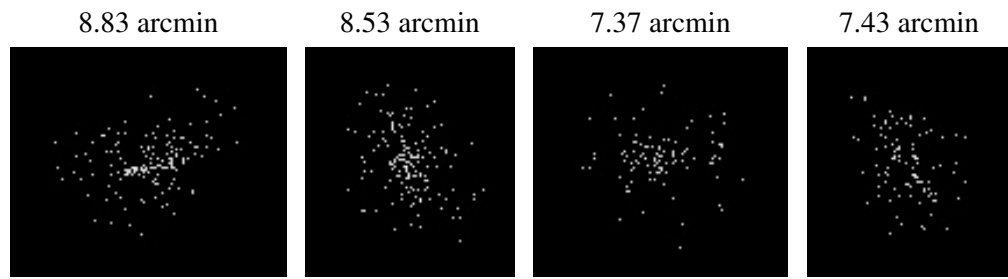
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.777

A.2 Comments