

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4966 - L2 Version 001
Chandra X-Ray Center

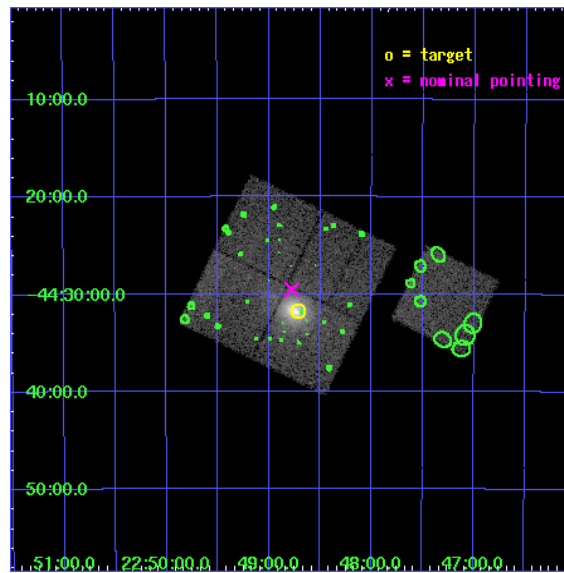
L2 Processing Date : May 18 2006

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

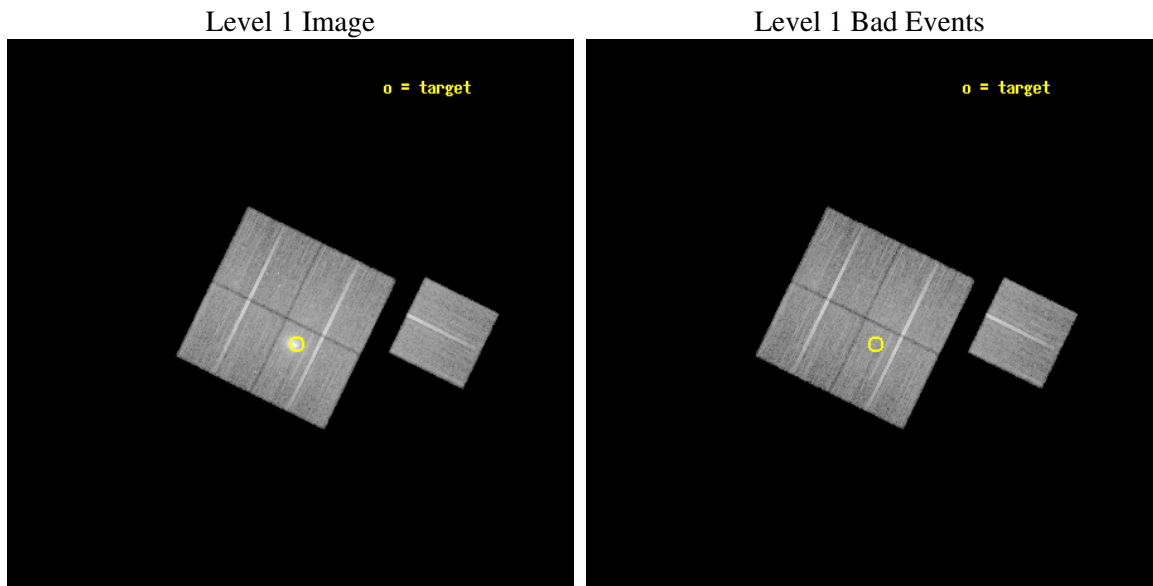
seq_num	800412
obs_id	4966
title	A Joint Chandra and Sunyaev-Zel'dovich Study of Abell S1063
observer	Dr A. Romer
object	Abell S1063
dtcycle	0
cycle	P
ra_targ	342.179167
dec_targ	-44.528056
ra_nom	342.19404946727
dec_nom	-44.492041664155
roll_nom	116.13332391236
revision	2
ontime	27072.299947947
livetime	26718.58041879
ontime0	27072.299947947
ontime1	27066.017987579
ontime2	27069.158977687
ontime3	27072.299947947
ontime6	27072.299947947
l2events	105497



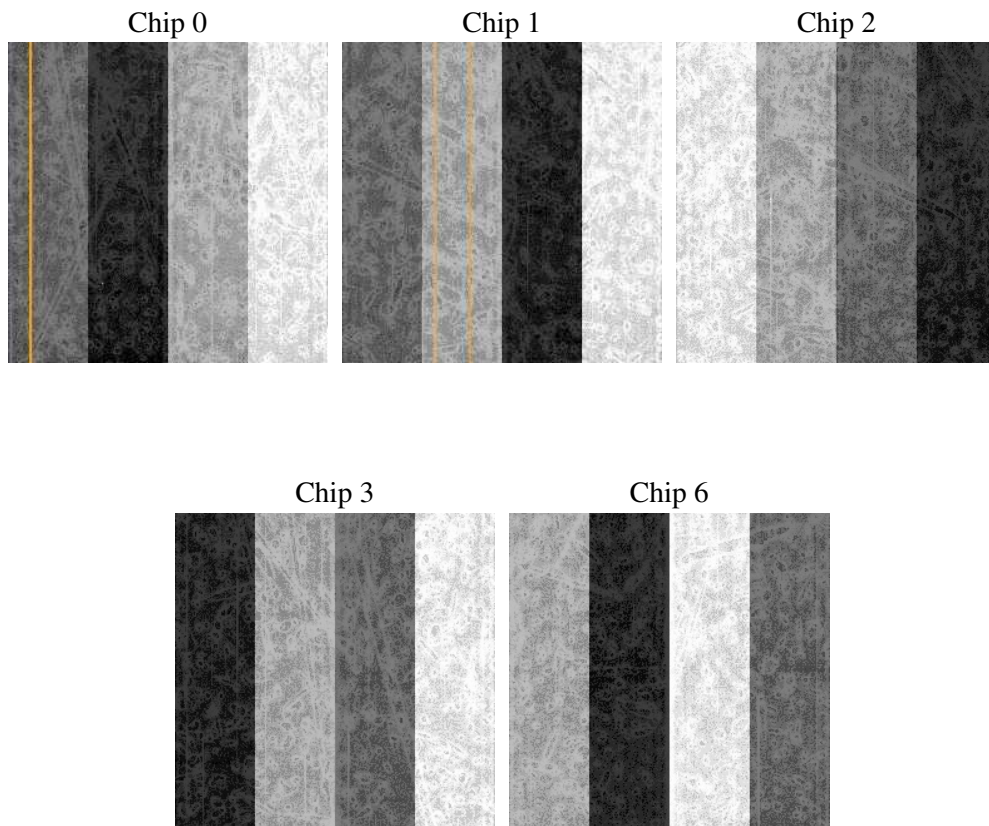
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-18T04:22:25
revision	2

sched_exp_time	26962.000000
ontime	27078.58190617
ontime0	27078.58190617
ontime1	27072.29991588
ontime2	27075.44093591
ontime3	27078.58190617
ontime6	27078.58190617
llevents	870928

2.1.4 Events

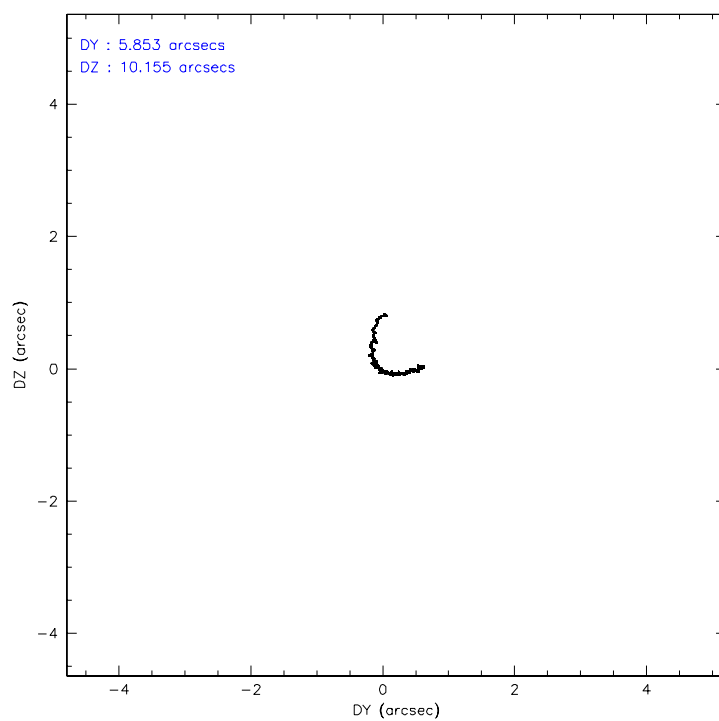
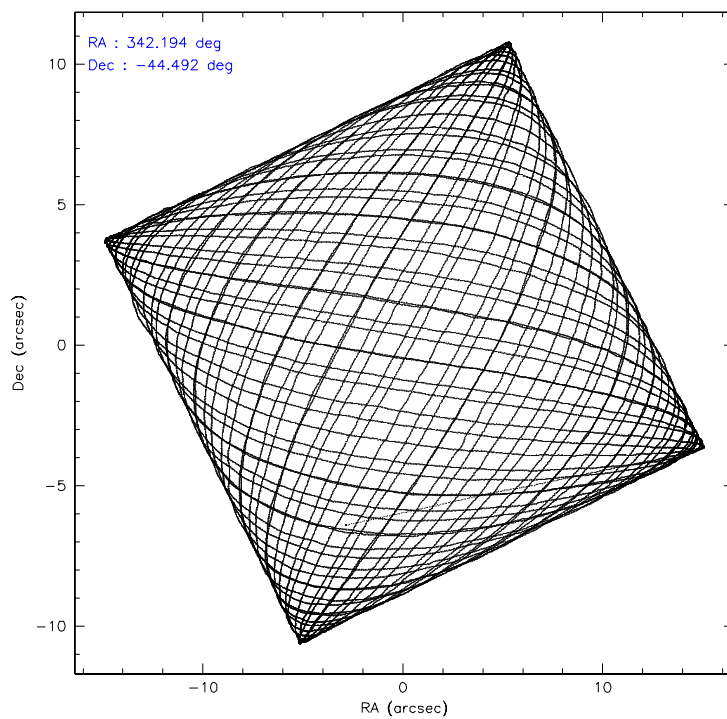
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	154515	163998	178987	204055	169373
rejected events	137387	143602	162278	154335	152855
rejected %	88%	87%	90%	75%	90%

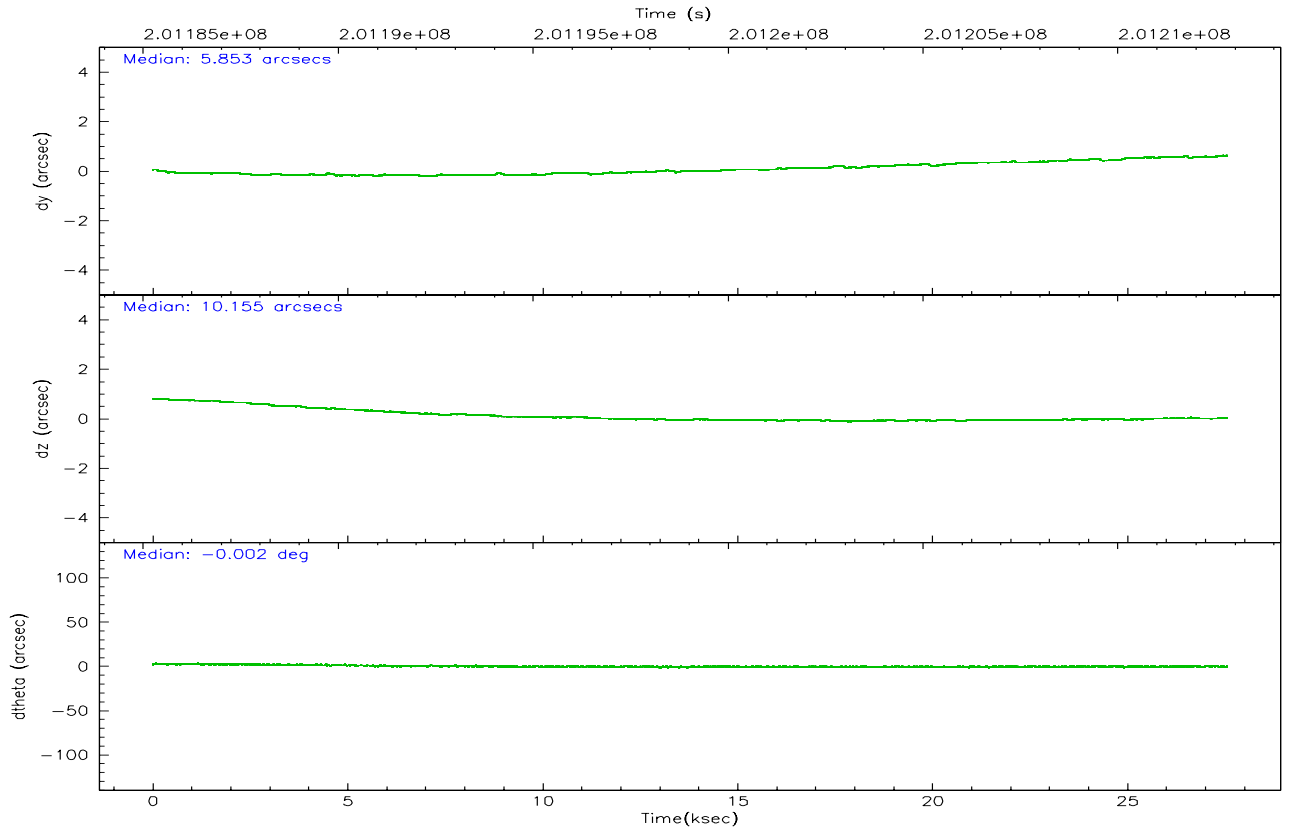
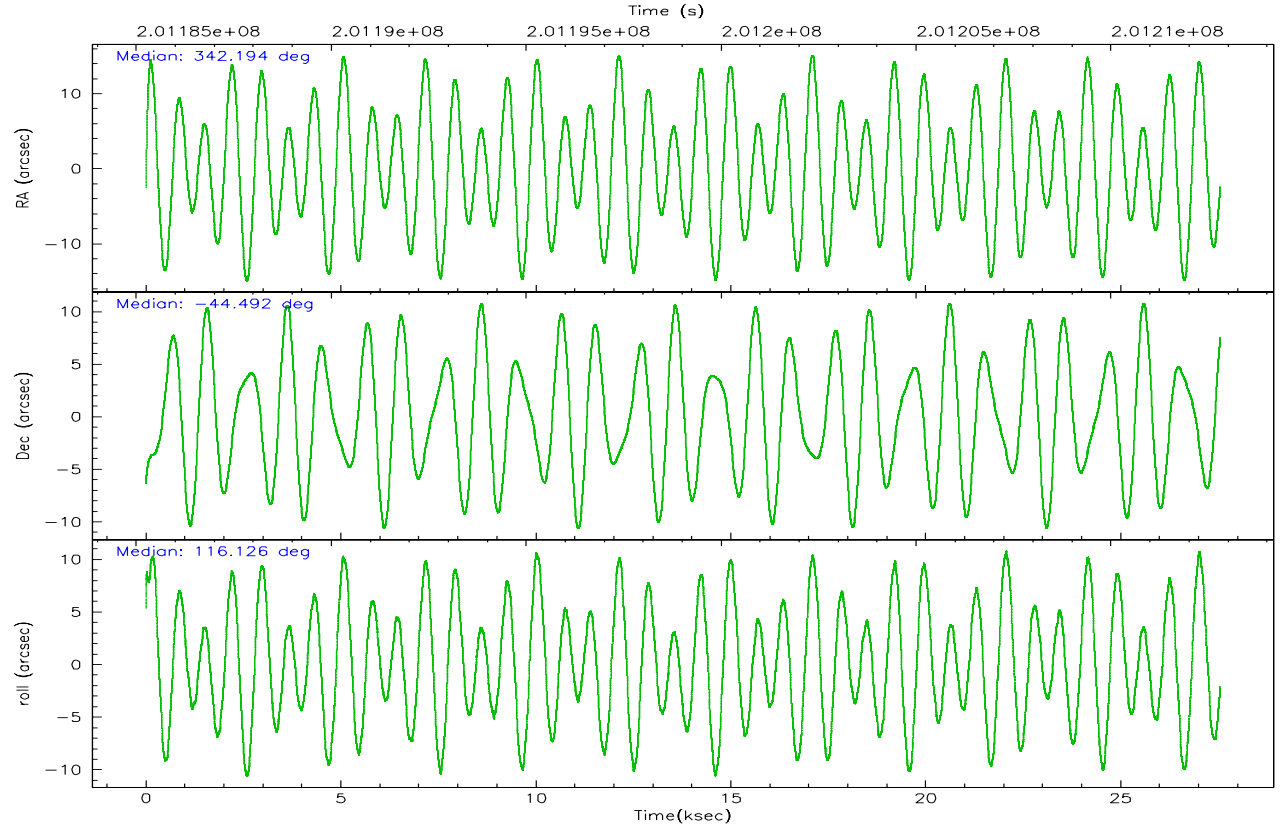
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6303	8230	6216	33328	5572
	4%	5%	3%	16%	3%
grade 1 events	88	90	81	227	74
	0%	0%	0%	0%	0%
grade 2 events	3995	4242	3803	6731	3591
	2%	2%	2%	3%	2%
grade 3 events	1968	2148	1931	2931	1879
	1%	1%	1%	1%	1%
grade 4 events	1780	2064	1787	2842	1910
	1%	1%	0%	1%	1%
grade 5 events	5881	6208	5650	6909	6554
	3%	3%	3%	3%	3%
grade 6 events	3085	3721	2976	3899	3568
	1%	2%	1%	1%	2%
grade 7 events	131415	137295	156543	147188	146225
	85%	83%	87%	72%	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	342.226012	342.1940494672739	Alternating exposures requested	N	N
Pointing Dec	-44.507176	-44.49204166415523	Primary exposure time	0.000000	3.1
Pointing Roll	115.947035	116.133323912363			
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	201185841.184000	201184675.2815			
Observation start date	2004-05-17T12:56:17	2004-05-17T12:37:55			
Observation end time	201212803.184000	201213524.93278			
Observation end date	2004-05-17T20:25:39	2004-05-17T20:38:44			
Read mode	TIMED	TIMED			

2.3 Aspect



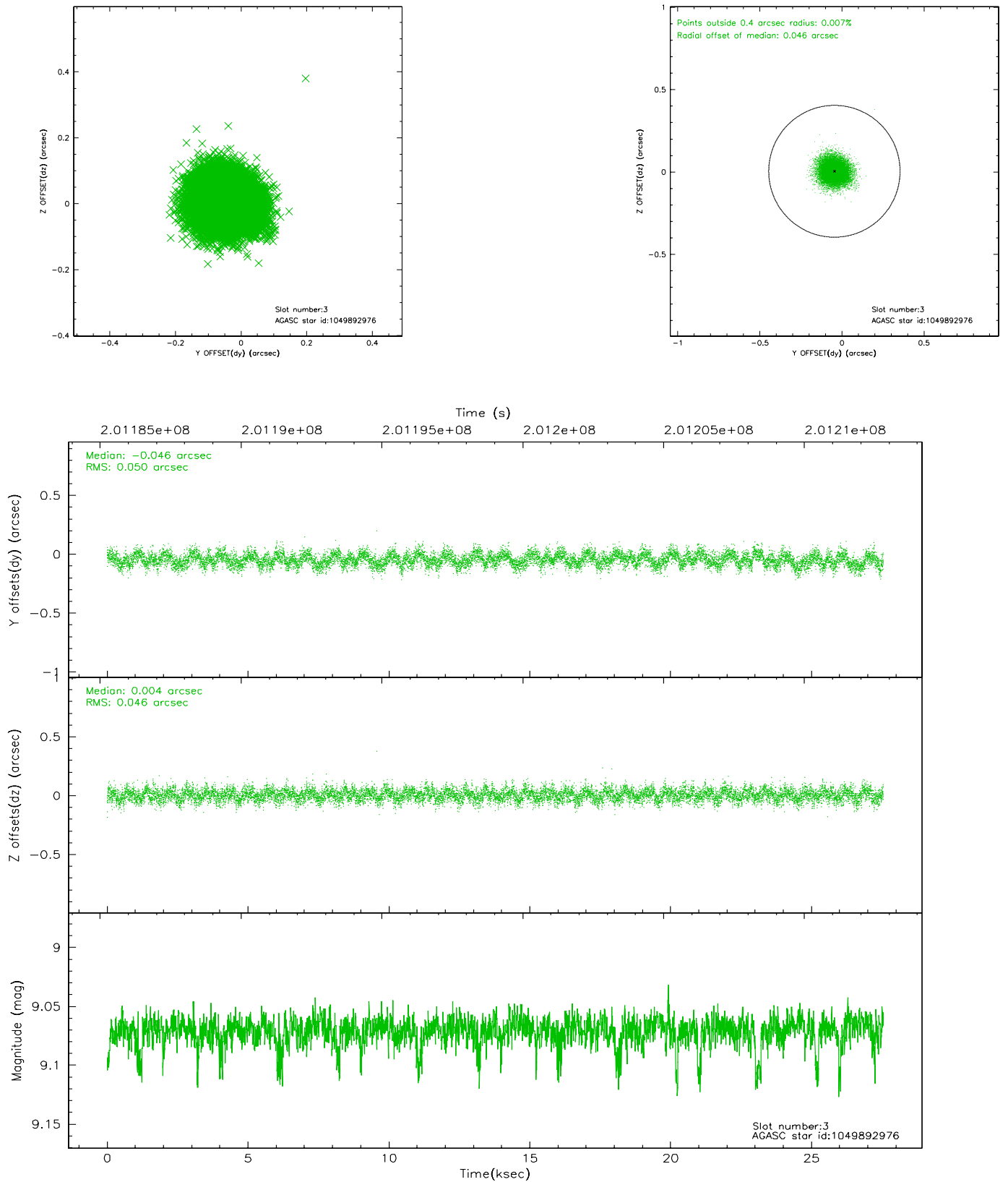


Slot Statistics

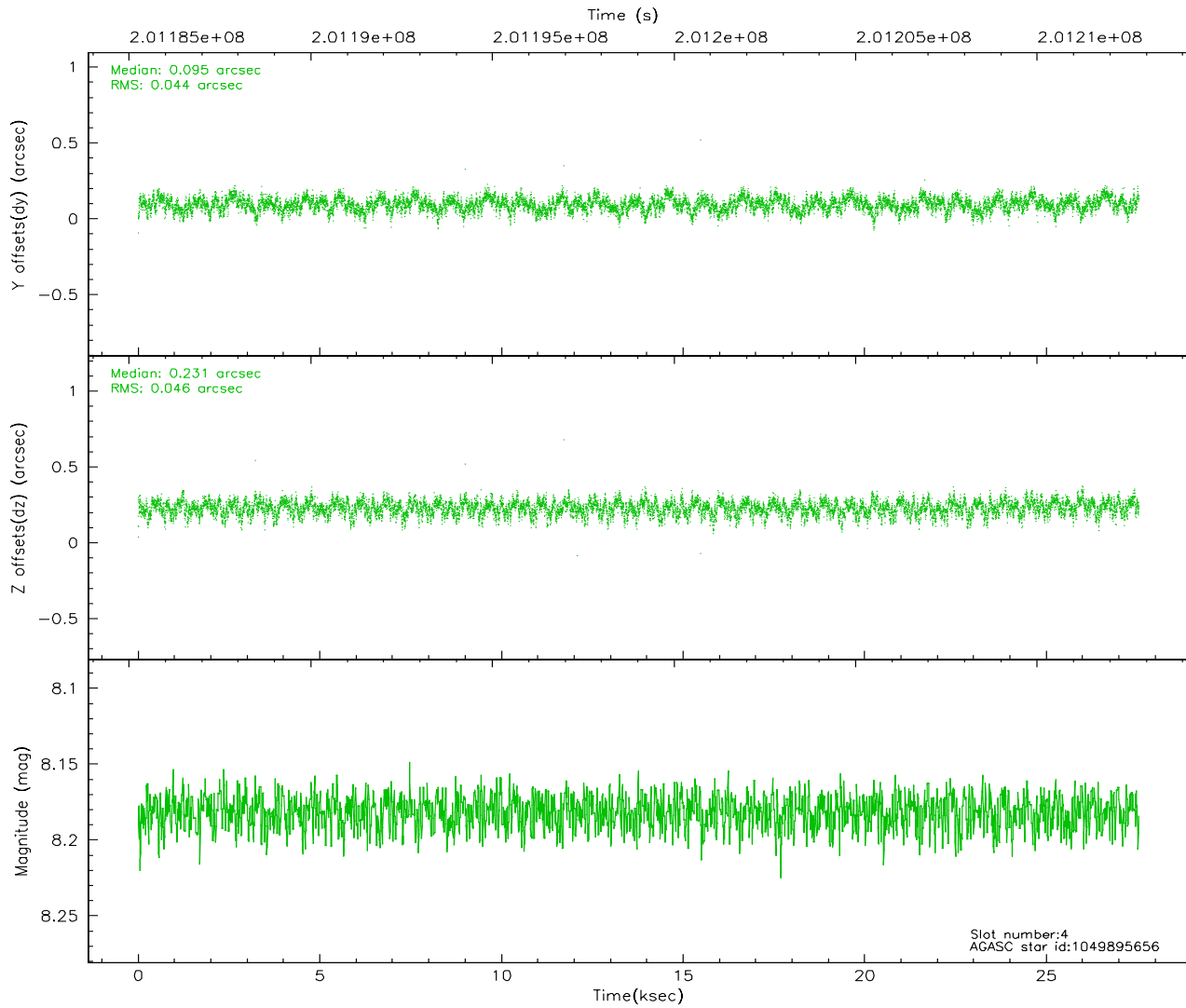
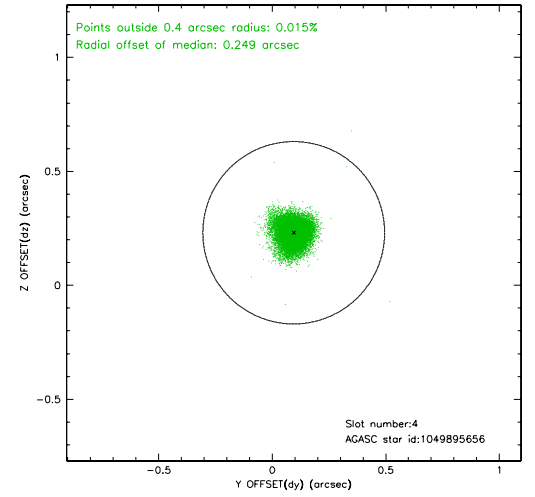
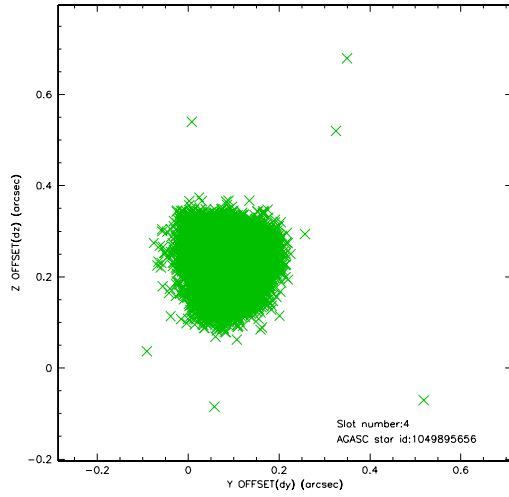
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	6721	-0.008	0.037	0.014	0.029	0.000000	0.000000	933.75	-833.73
1	FID	ACIS-I-5	7.23	6720	-0.127	0.025	0.011	0.024	0.000000	0.000000	-1814.41	1063.72
2	FID	ACIS-I-6	7.25	6721	0.042	0.008	0.010	0.017	0.000000	0.000000	399.25	1708.30
3	GUIDE	1049892976	9.07	13436	-0.046	0.004	0.073	0.116	342.027329	-44.256291	1035.76	66.06
4	GUIDE	1049895656	8.18	13440	0.095	0.231	0.068	0.109	342.951891	-44.784560	-1716.40	-1227.04
5	GUIDE	1049899312	7.33	13440	0.027	-0.040	0.050	0.081	341.861406	-44.965161	-1078.13	1557.49
6	GUIDE	1107166720	8.48	13437	-0.125	-0.433	0.073	0.124	341.717008	-45.051250	-1198.79	2022.63
7	GUIDE	1049896336	7.62	13440	0.040	0.243	0.059	0.093	343.254788	-44.858843	-2301.87	-1799.19

2.4 Star Slots

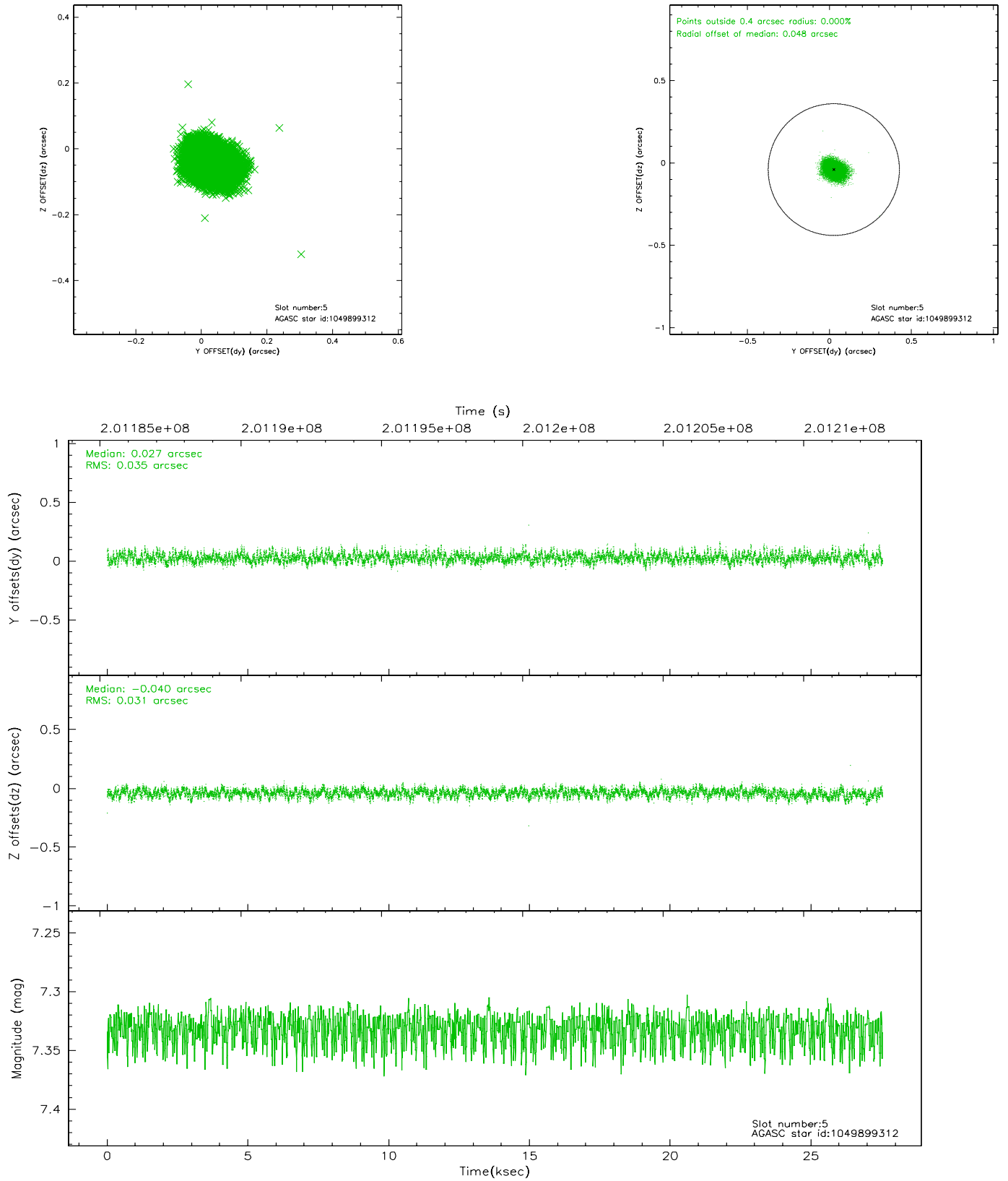
2.4.1 Slot 3



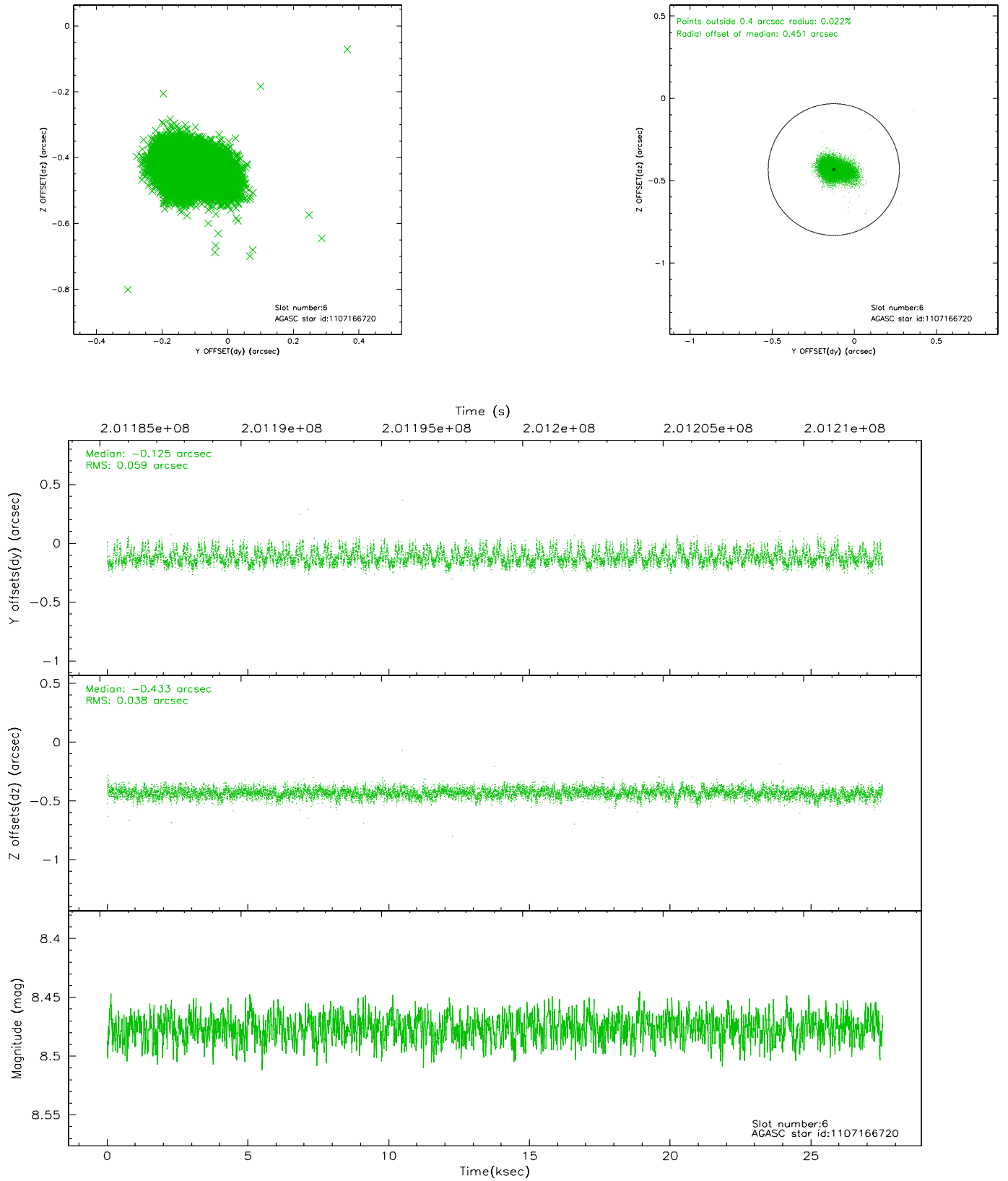
2.4.2 Slot 4



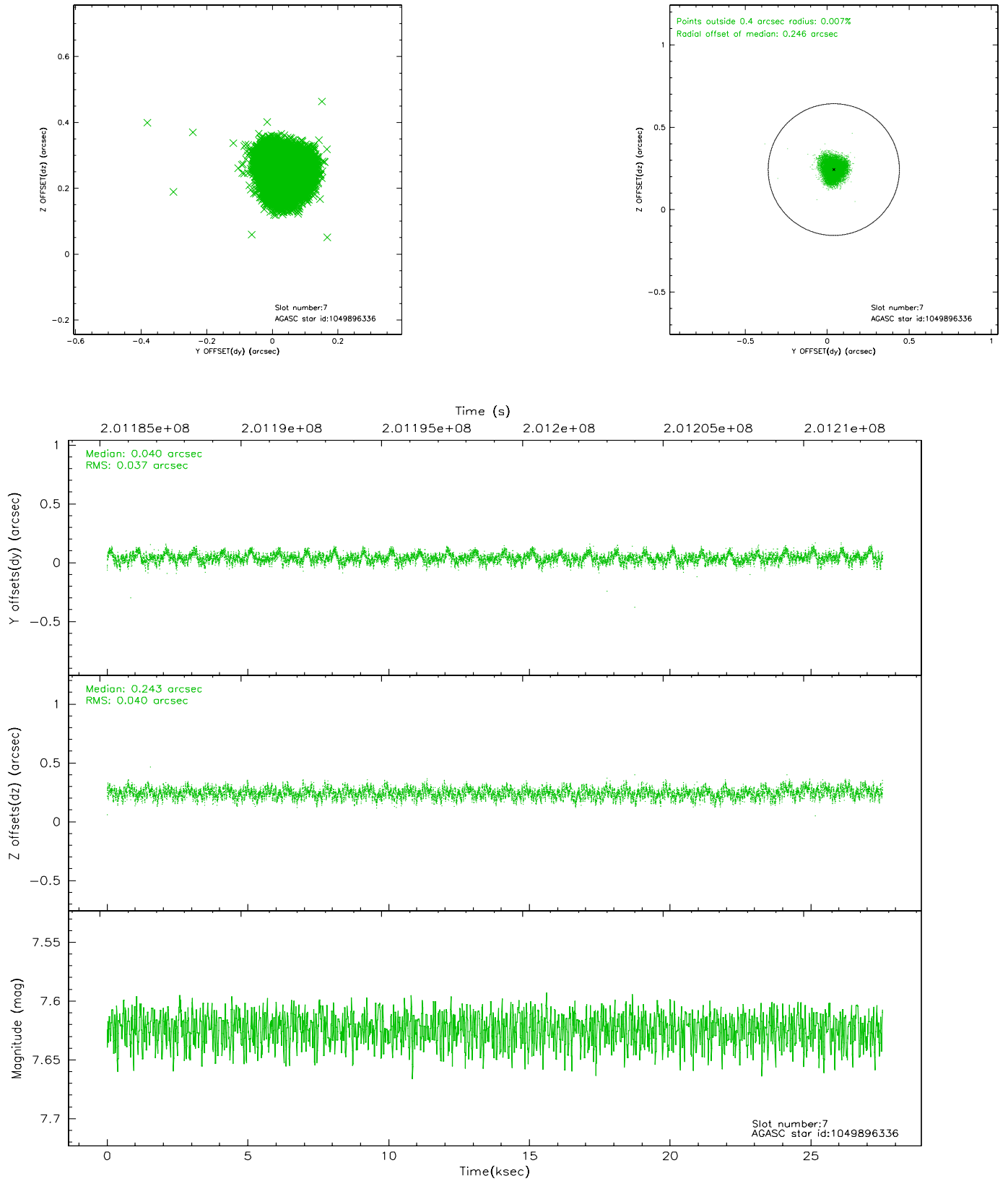
2.4.3 Slot 5



2.4.4 Slot 6

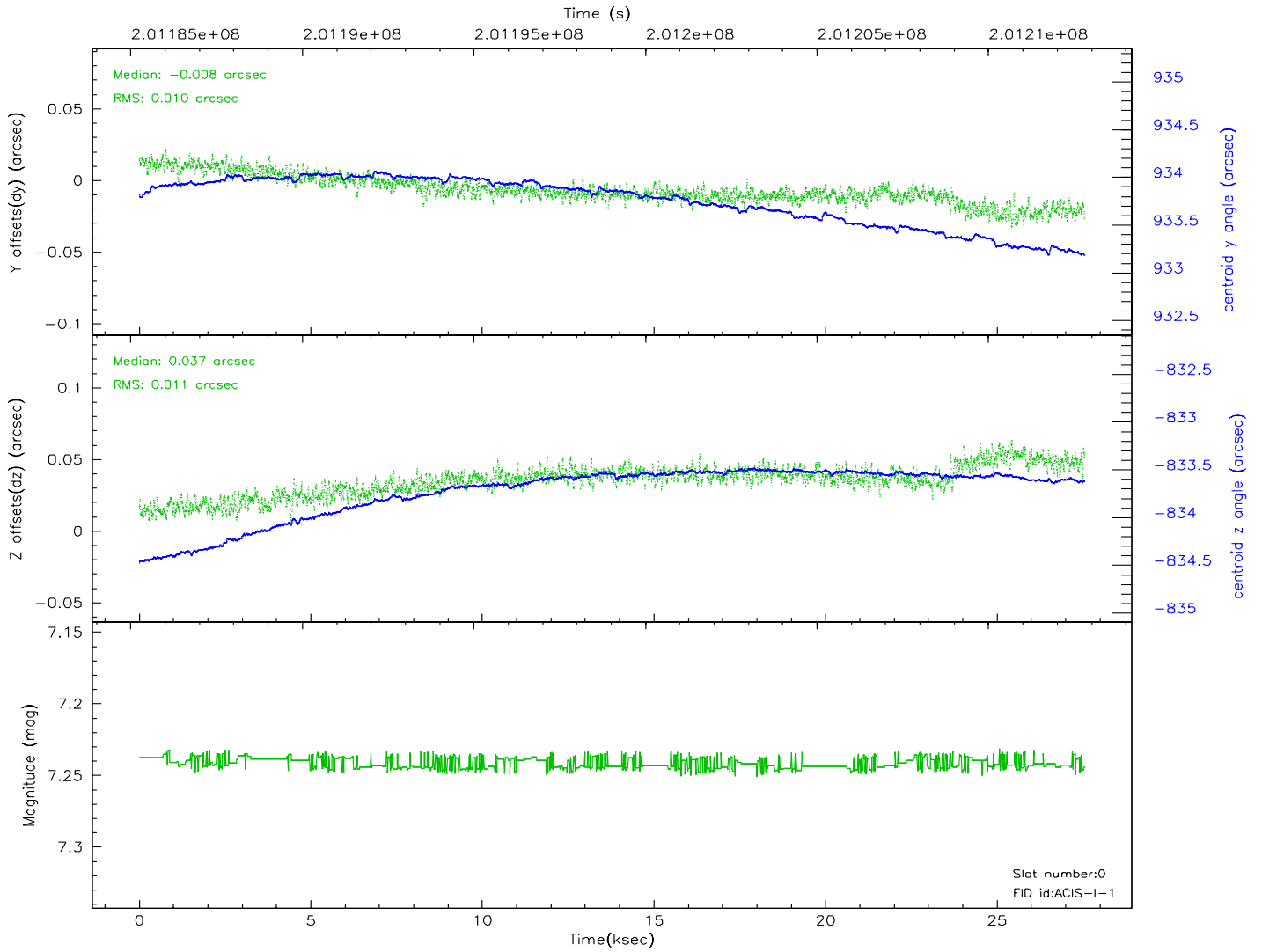
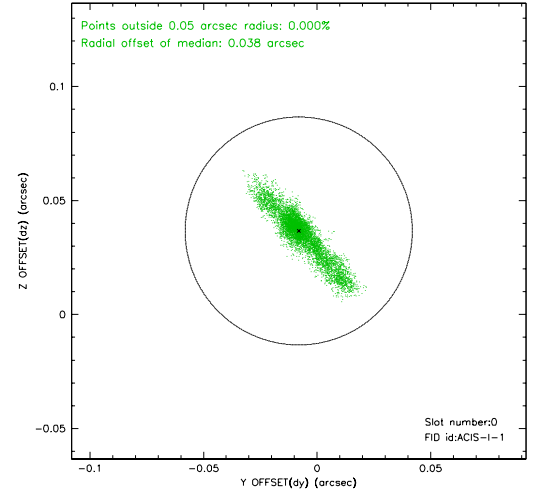
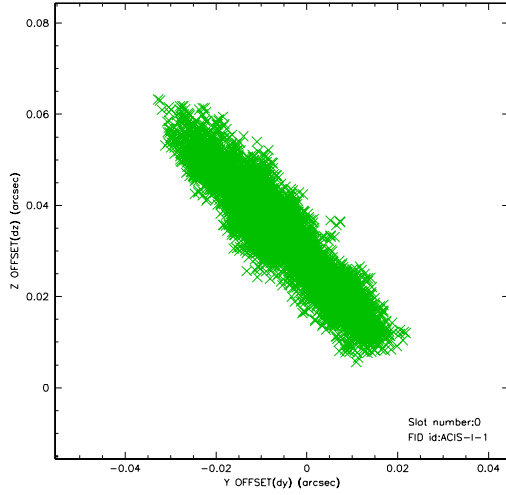


2.4.5 Slot 7

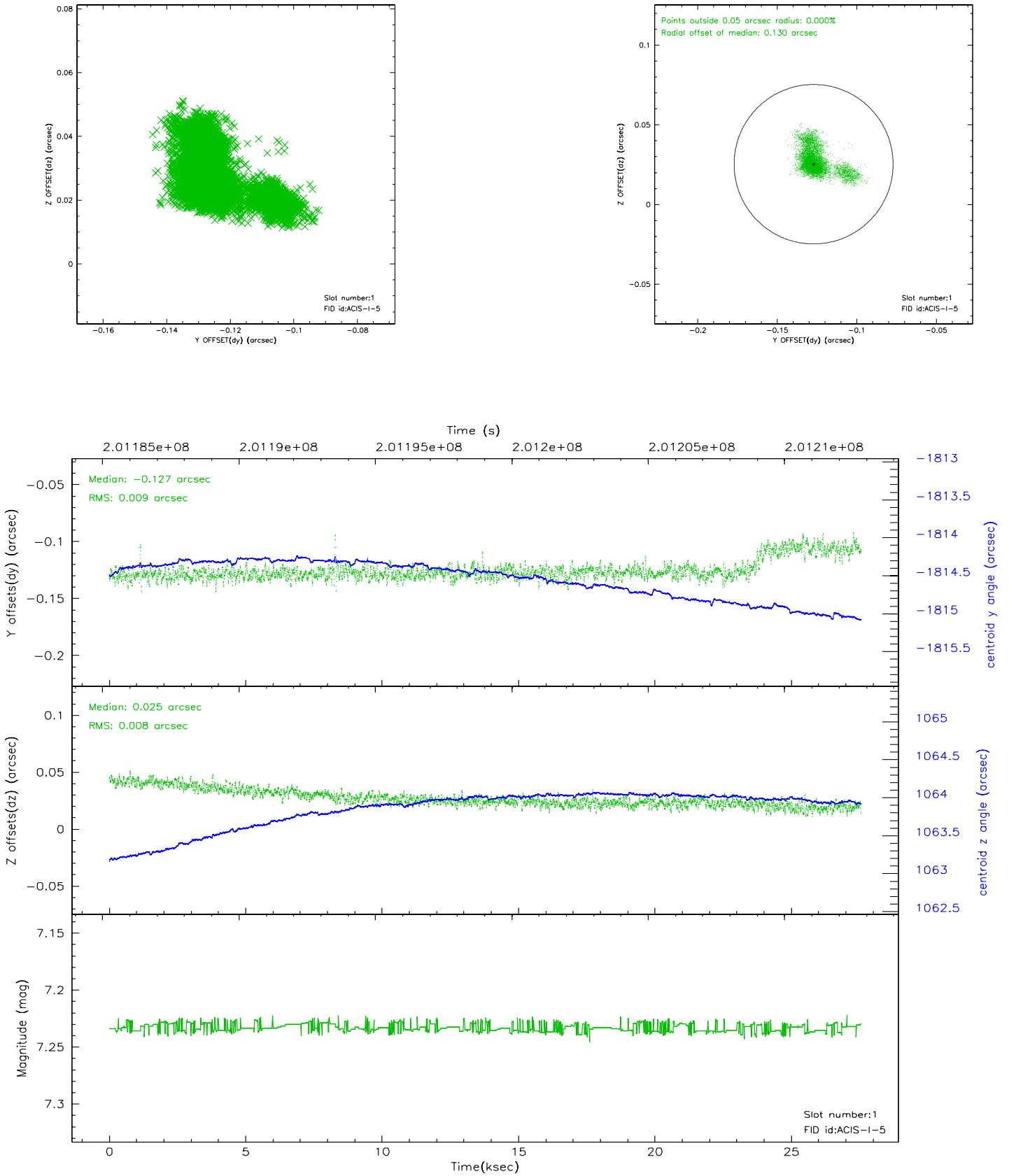


2.5 FID Slots

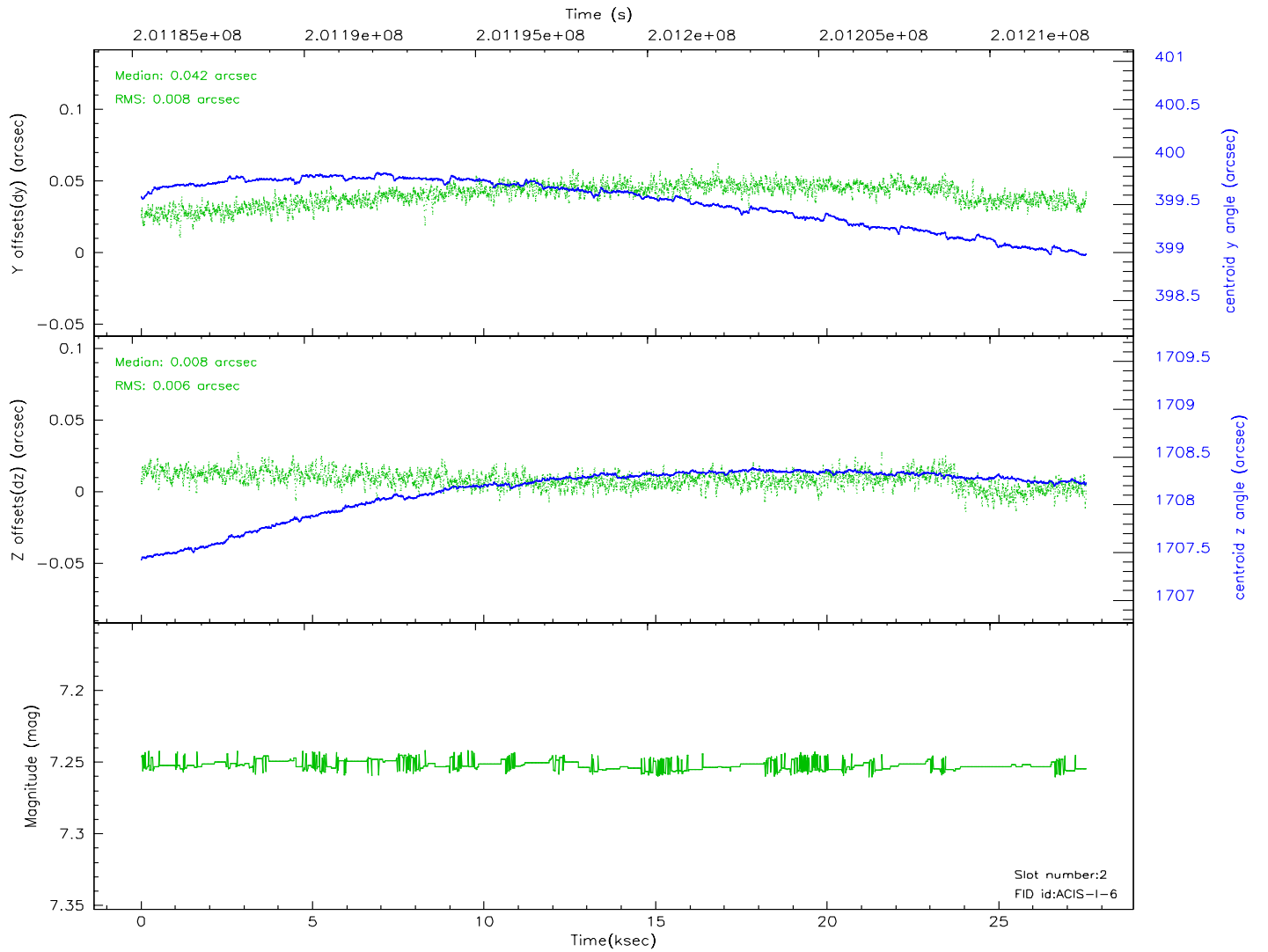
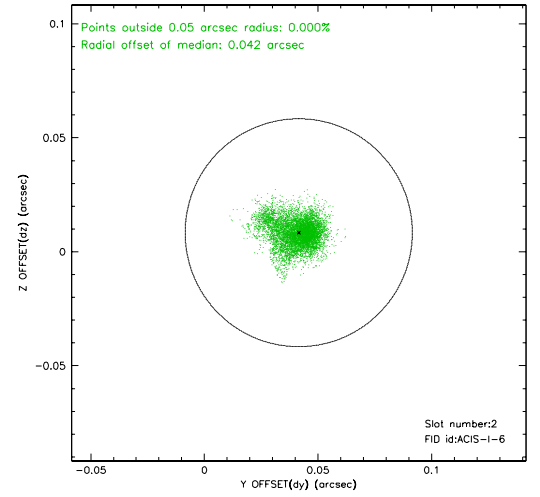
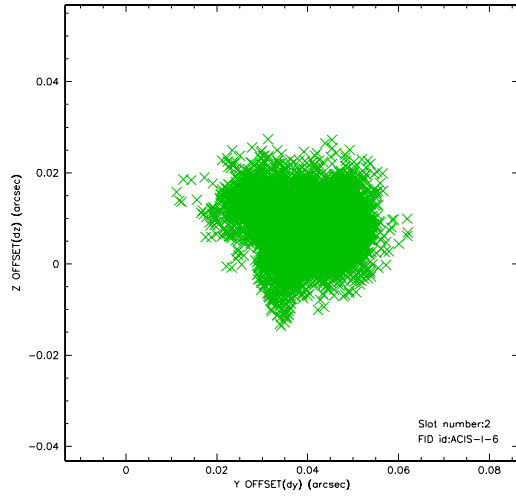
2.5.1 Slot 0



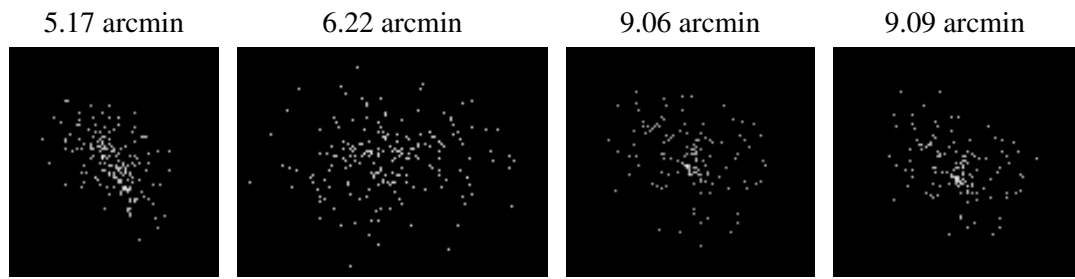
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.075

A.2 Comments