

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 842 - L2 Version 001
Chandra X-Ray Center

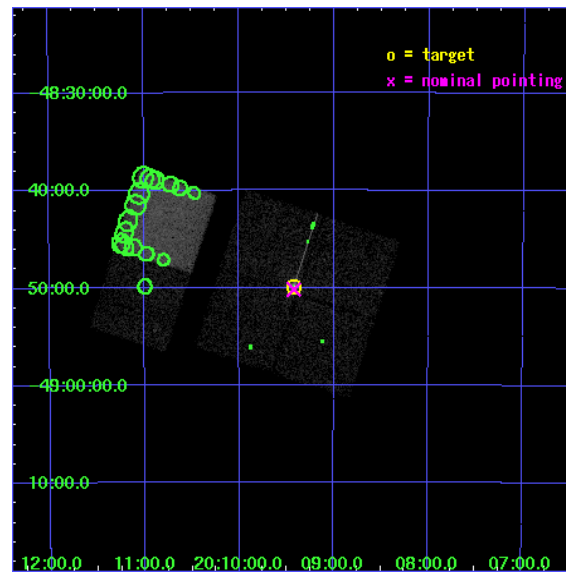
L2 Processing Date : Jun 9 2007

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

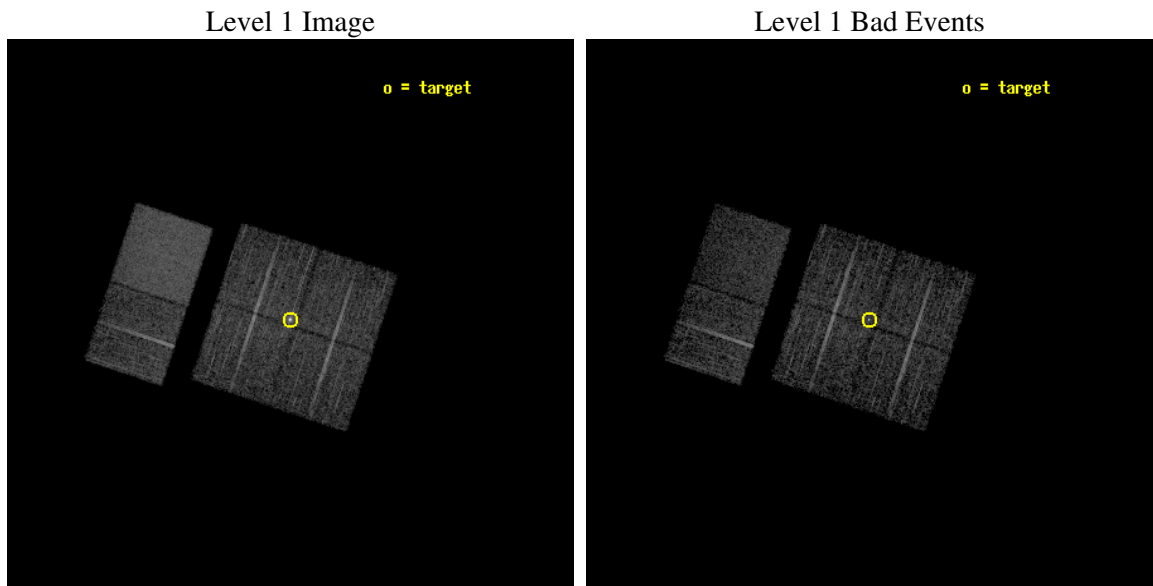
seq_num	700147
obs_id	842
title	THE X-RAY CLUSTER ENVIRONMENT OF BLAZARS
observer	Dr. Joseph Pesce
object	PKS 2005-489
dtcycle	0
cycle	P
ra_targ	302.355833
dec_targ	-48.831667
ra_nom	302.35515566794
dec_nom	-48.836458585792
roll_nom	288.37468297633
revision	2
ontime	5929.6000055224
livetime	5854.515839876
ontime0	5929.6000055224
ontime1	5929.6000055224
ontime2	5929.6000055224
ontime3	5929.6000055224
ontime6	5929.6000055224
ontime7	5929.6000055224
l2events	53848



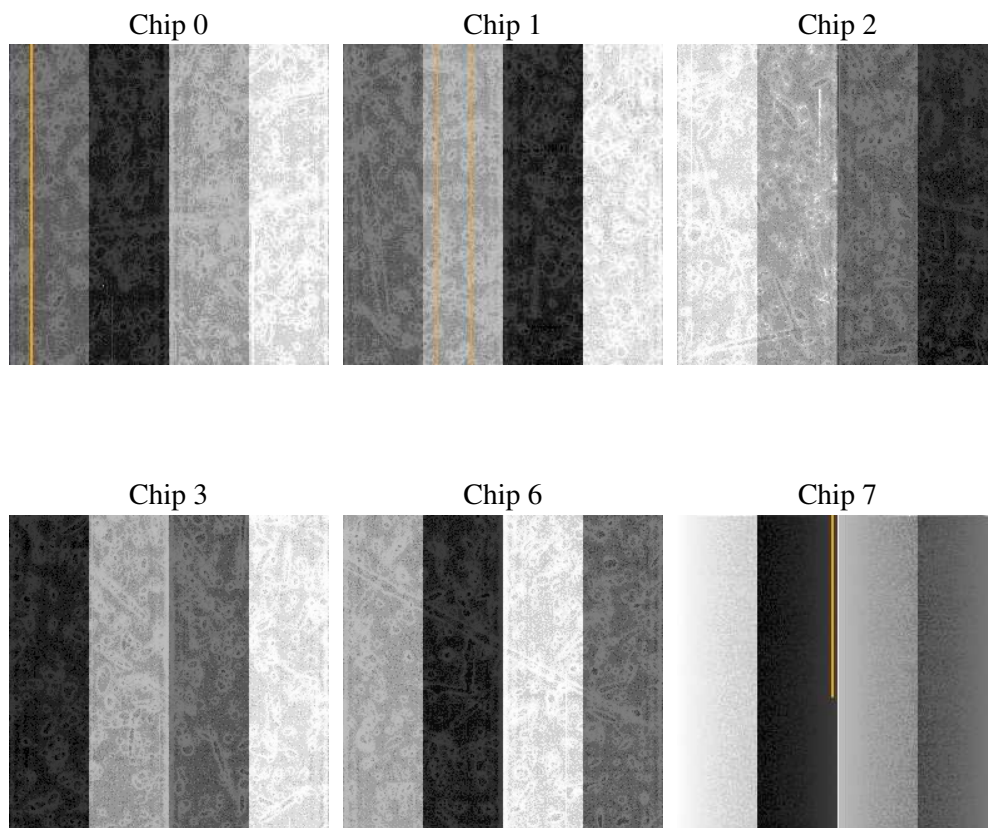
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-09T19:29:23
revision	2

sched_exp_time	6000.000000
ontime	5929.6000055224
ontime0	5929.6000055224
ontime1	5929.6000055224
ontime2	5929.6000055224
ontime3	5929.6000055224
ontime6	5929.6000055224
ontime7	5929.6000055224
l1events	234302

2.1.4 Events

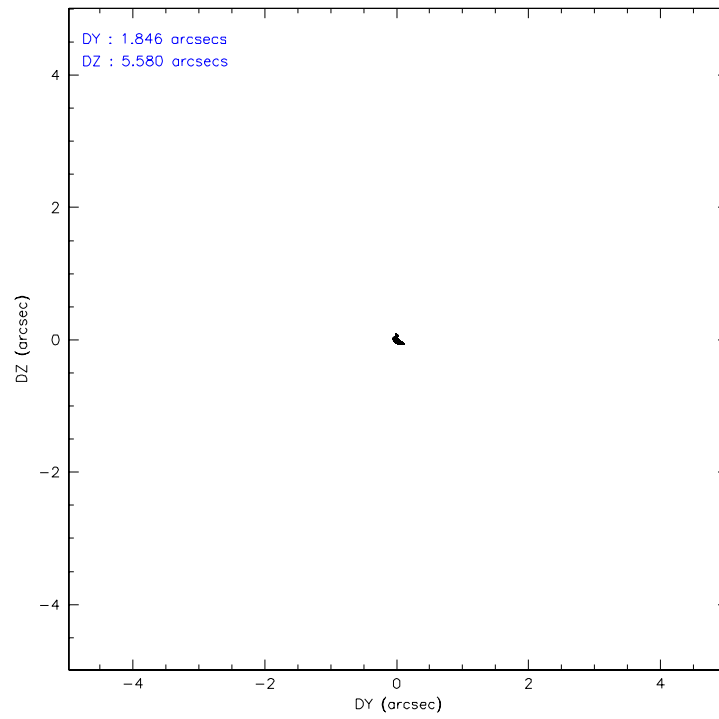
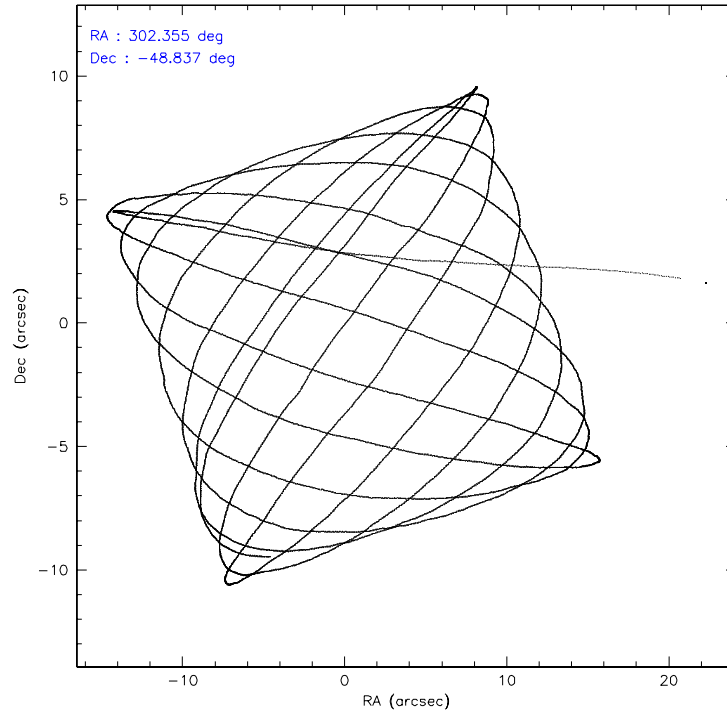
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	31968	33664	35478	39728	35941	57523
rejected events	27576	29097	31226	31215	31577	26041
rejected %	86%	86%	88%	78%	87%	45%

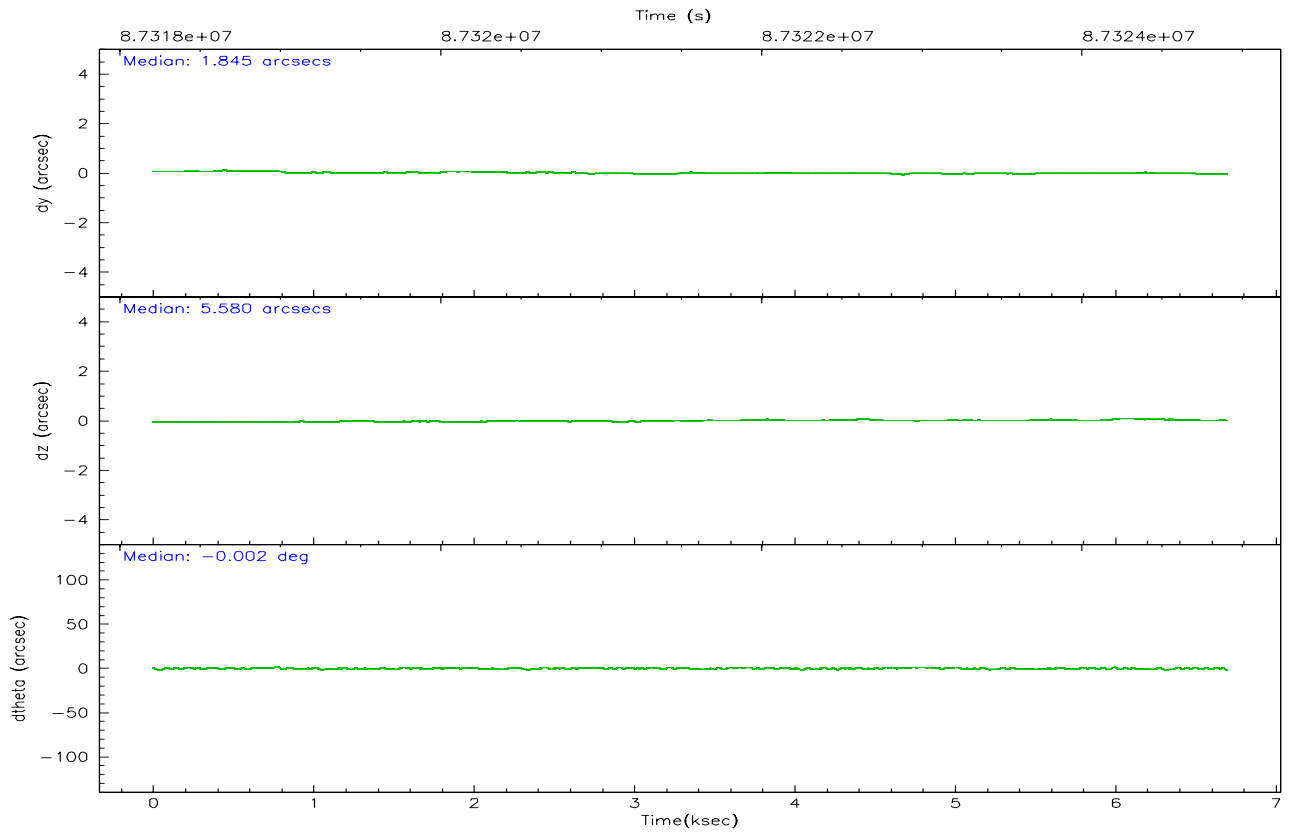
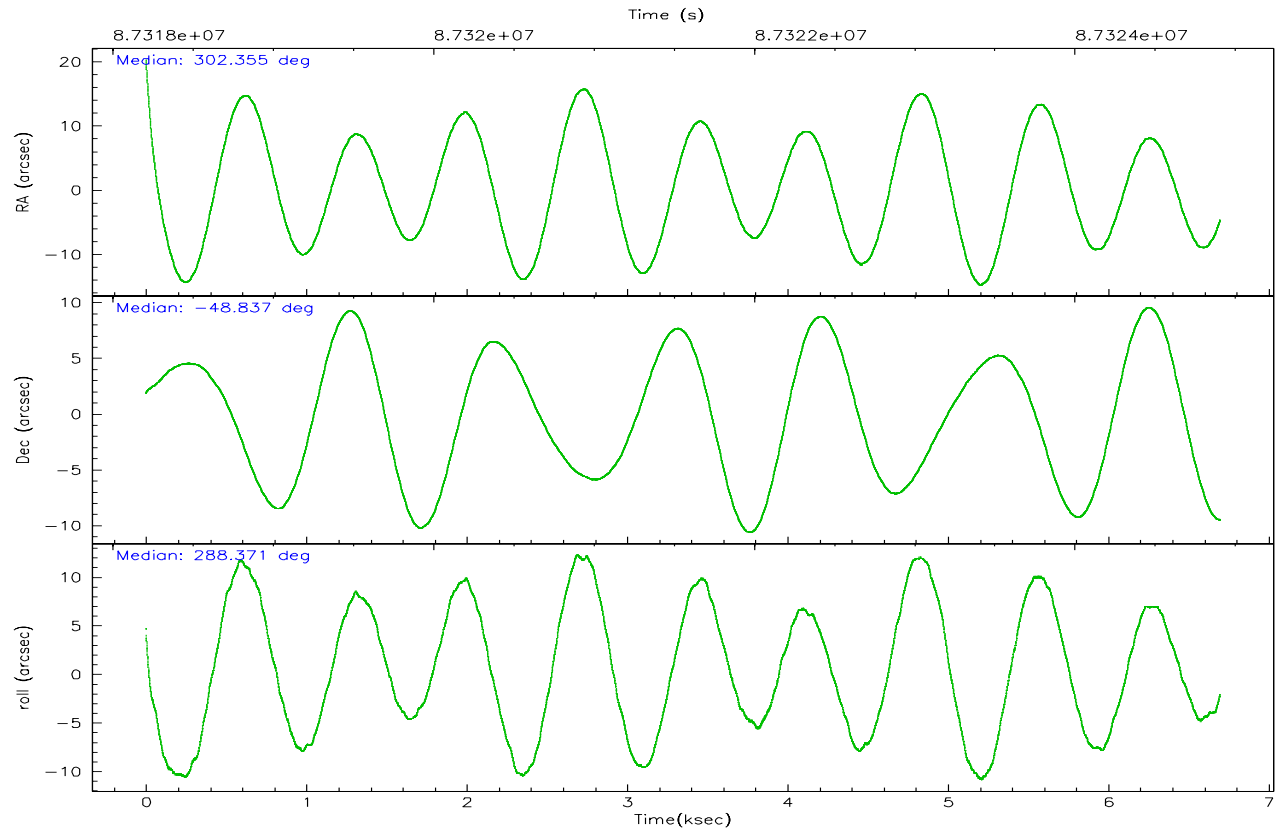
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1999	2053	2054	5463	1974	3890
	6%	6%	5%	13%	5%	6%
grade 1 events	11	21	13	246	19	43
	0%	0%	0%	0%	0%	0%
grade 2 events	873	845	852	1222	831	6037
	2%	2%	2%	3%	2%	10%
grade 3 events	444	448	350	517	405	2805
	1%	1%	0%	1%	1%	4%
grade 4 events	402	428	363	467	388	2786
	1%	1%	1%	1%	1%	4%
grade 5 events	1191	1251	1169	1560	1447	4221
	3%	3%	3%	3%	4%	7%
grade 6 events	683	796	637	857	773	15987
	2%	2%	1%	2%	2%	27%
grade 7 events	26365	27822	30040	29396	30104	21754
	82%	82%	84%	73%	83%	37%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	302.324078	302.3551556679411	Subarray requested	NONE	NONE
Pointing Dec	-48.818182	-48.83645858579226	Alternating exposures requested	N	N
Pointing Roll	288.142615	288.3746829763253	Primary exposure time	3.200000	3.2
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	87318904.184000	87317684.54566699			
Observation start date	2000-10-07T15:14:00	2000-10-07T14:54:44			
Observation end time	87324904.184000	87325319.25845499			
Observation end date	2000-10-07T16:54:00	2000-10-07T17:01:59			
Read mode	TIMED	TIMED			

2.3 Aspect



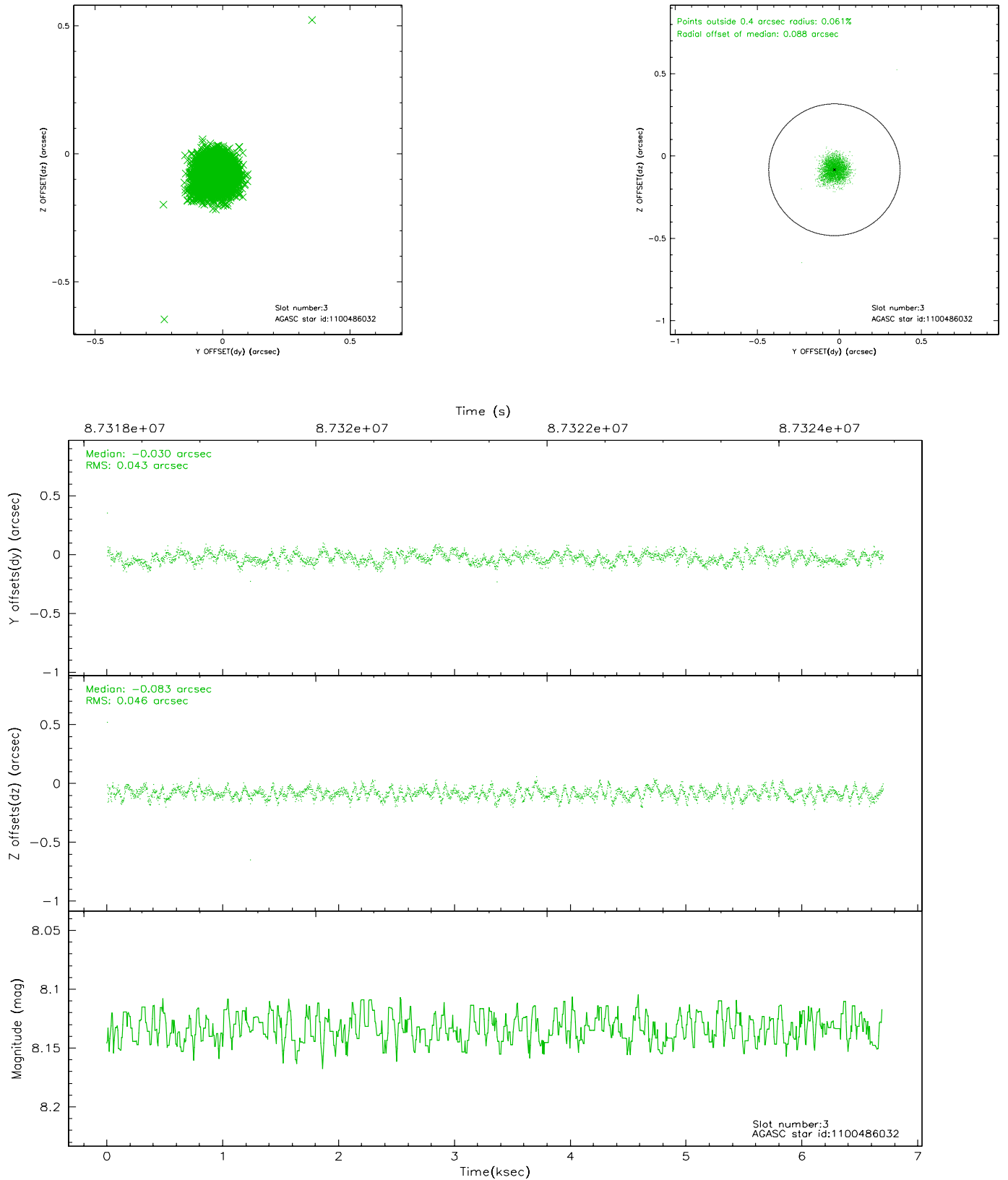


Slot Statistics

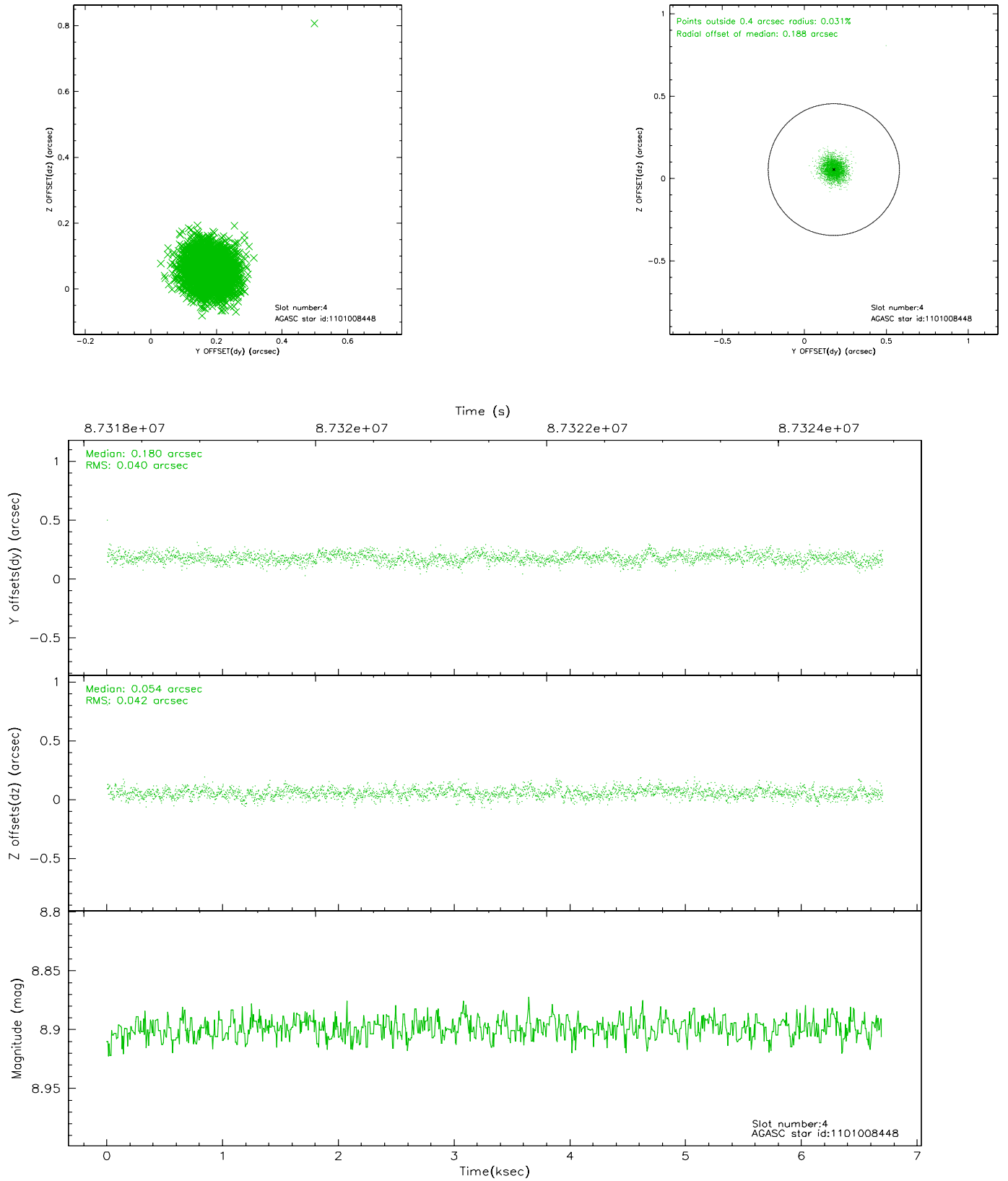
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.44	1634	-0.011	0.173	0.011	0.017	0.000000	0.000000	55.37	-961.99
1	FID	ACIS-I-4	7.18	1634	-0.072	-0.059	0.007	0.012	0.000000	0.000000	2157.89	1070.30
2	FID	ACIS-I-5	7.23	1634	-0.015	-0.045	0.008	0.014	0.000000	0.000000	-1808.92	1069.24
3	GUIDE	1100486032	8.13	3269	-0.030	-0.083	0.066	0.102	301.914450	-48.652458	-868.73	-740.91
4	GUIDE	1101008448	8.90	3266	0.180	0.054	0.059	0.097	302.775592	-49.104946	1314.26	688.76
5	GUIDE	1100497552	9.25	3268	-0.031	0.105	0.079	0.128	302.848311	-48.379409	-1107.40	1682.00
6	GUIDE	1100485088	9.31	3267	-0.216	-0.214	0.081	0.133	301.123370	-48.438414	-2172.18	-2306.22
7	GUIDE	1101013008	9.26	3201	0.099	0.142	0.069	0.113	303.172188	-49.140382	1733.32	1533.11

2.4 Star Slots

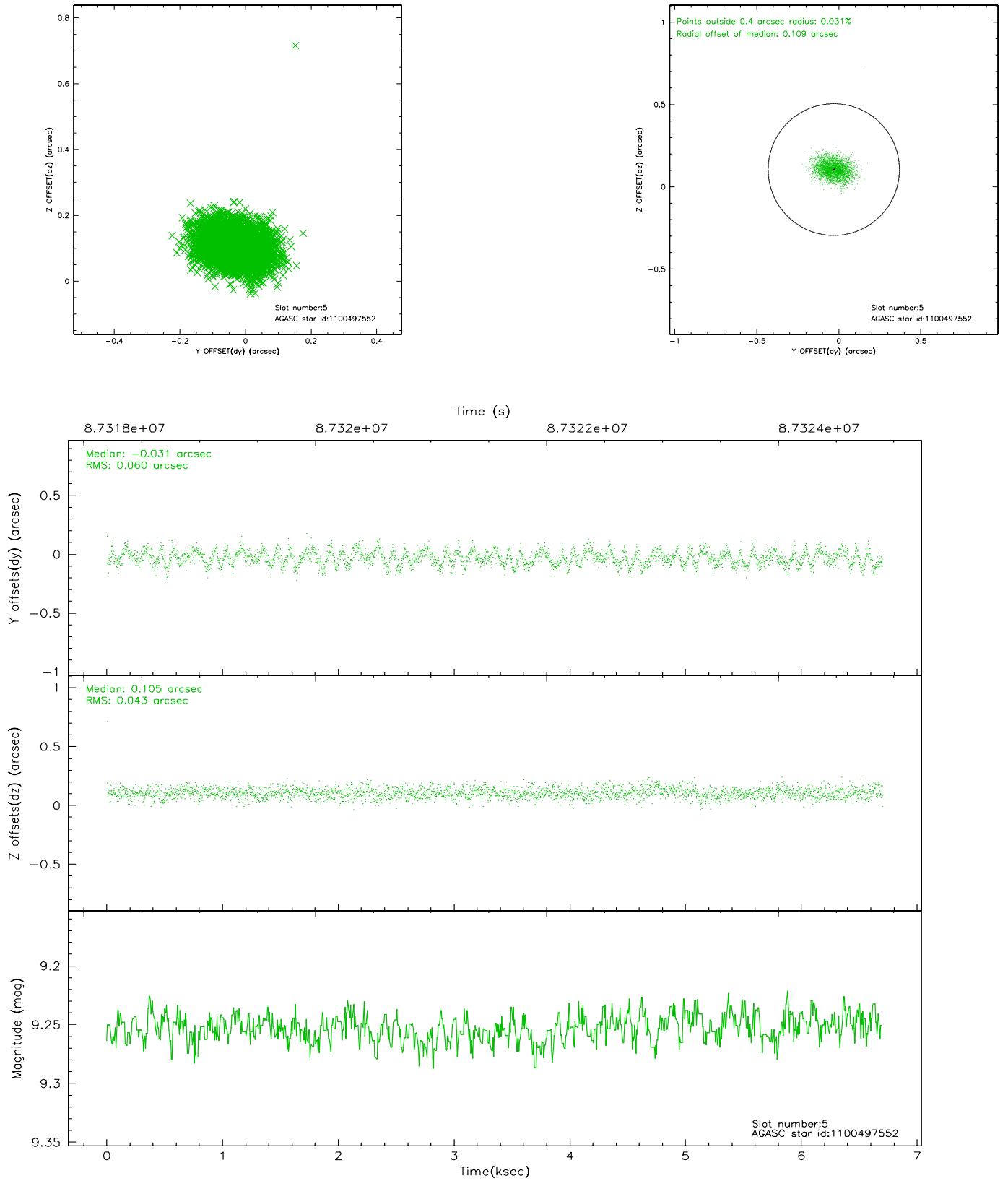
2.4.1 Slot 3



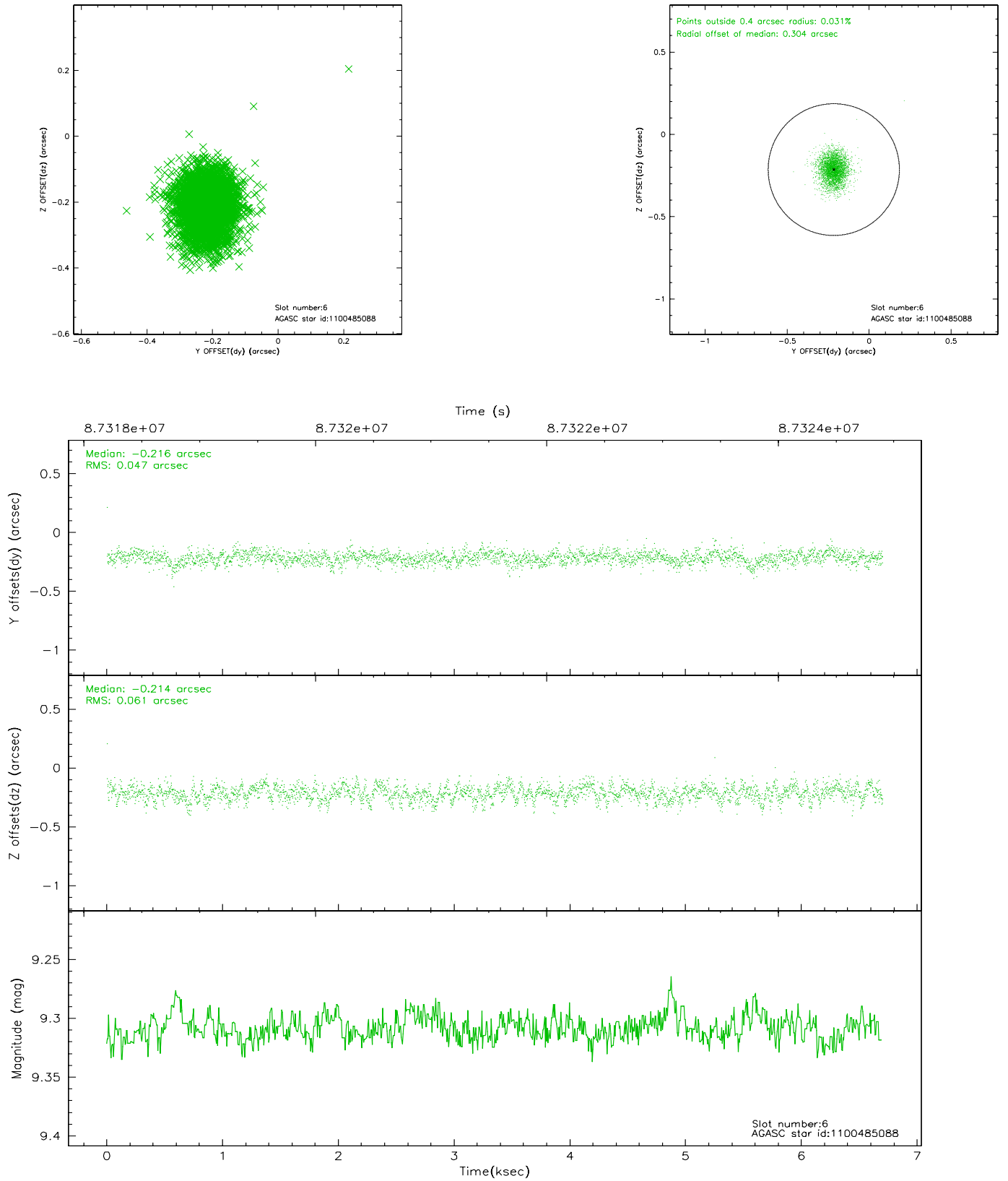
2.4.2 Slot 4



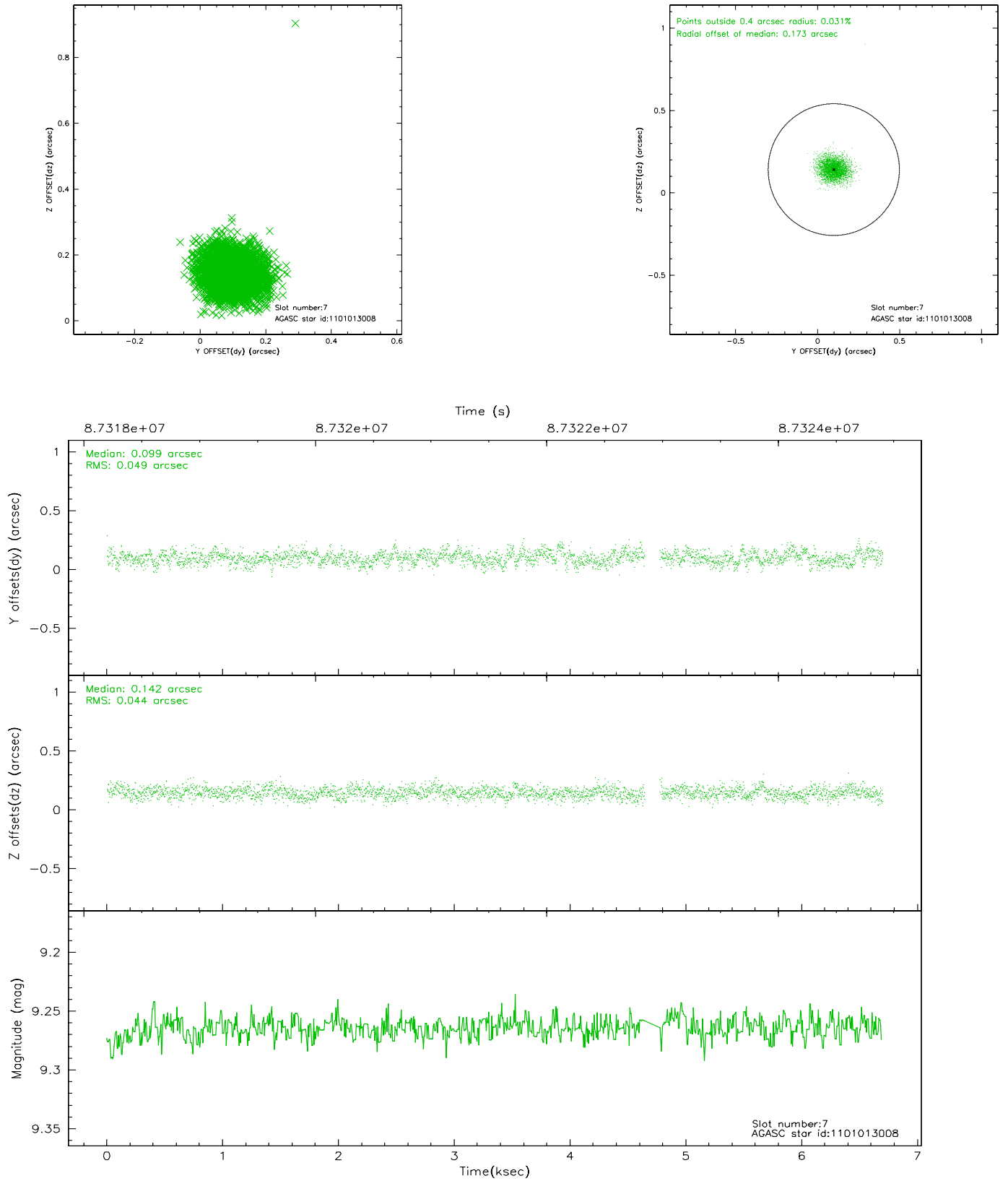
2.4.3 Slot 5



2.4.4 Slot 6

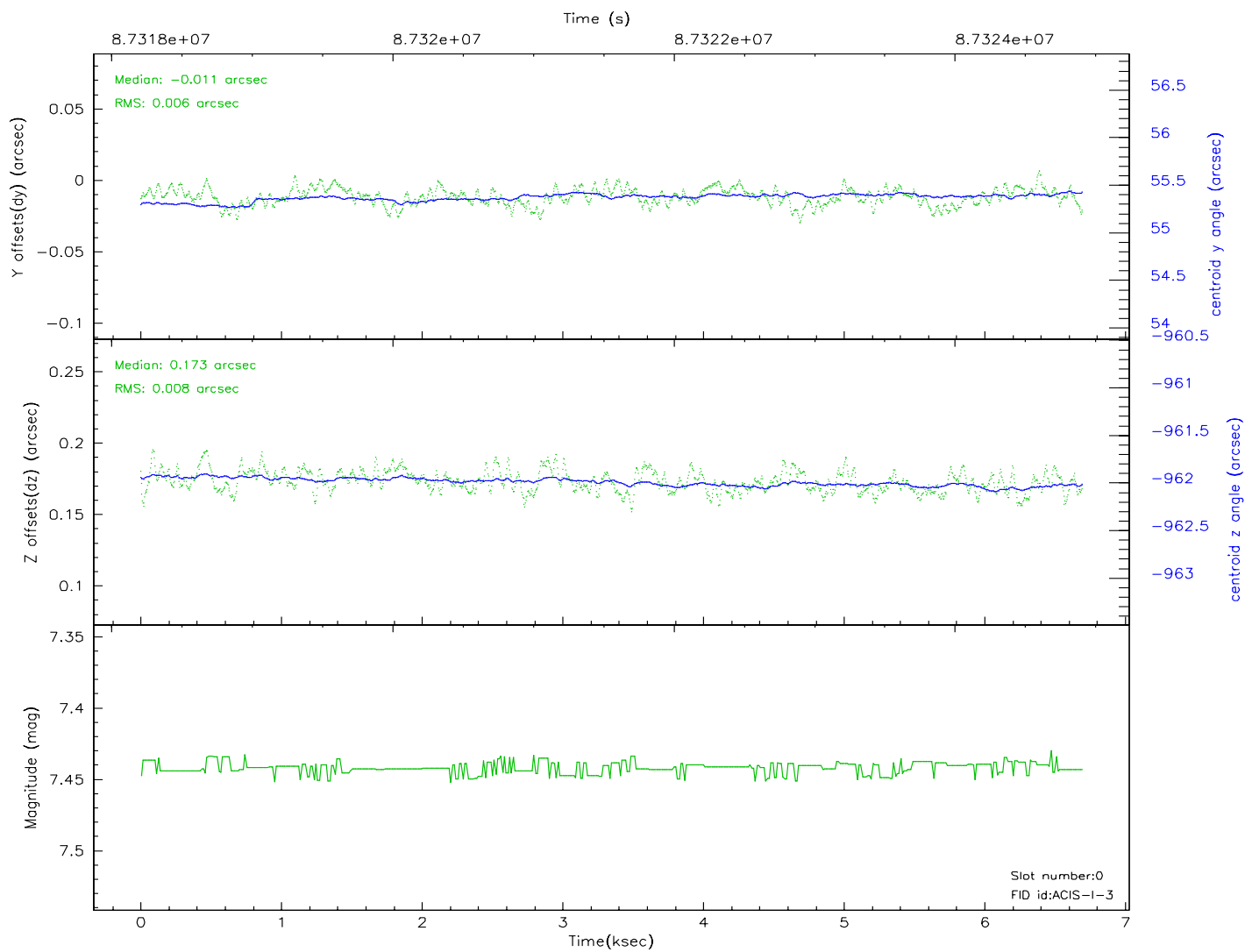
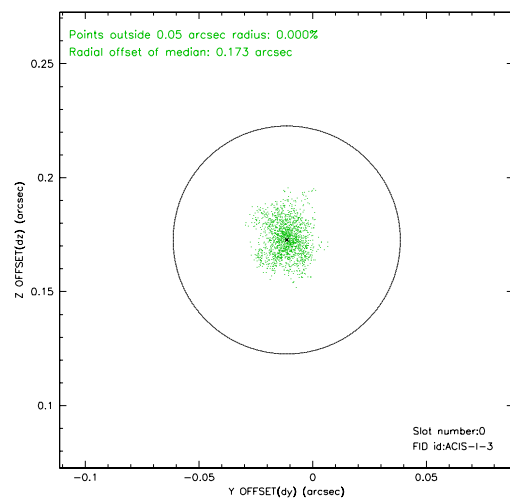
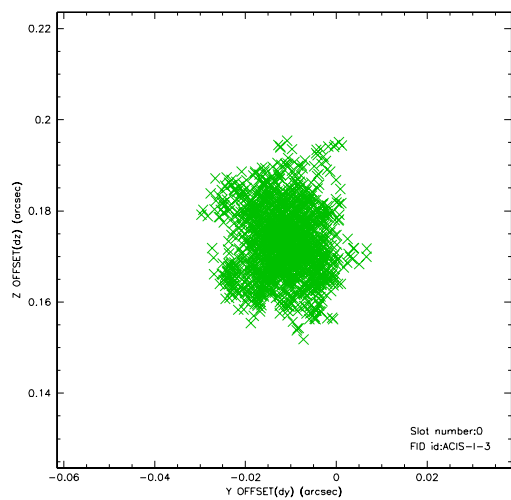


2.4.5 Slot 7

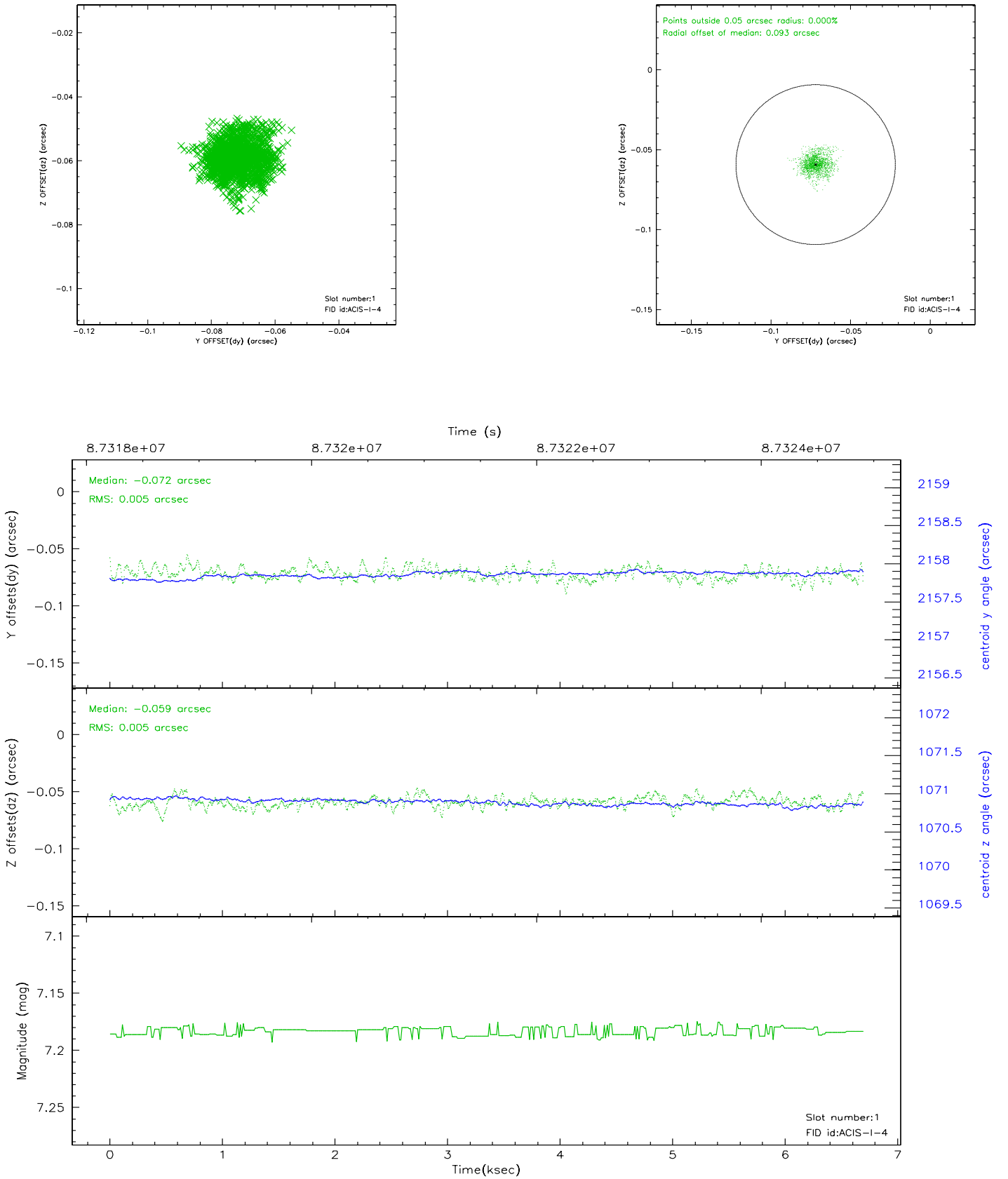


2.5 FID Slots

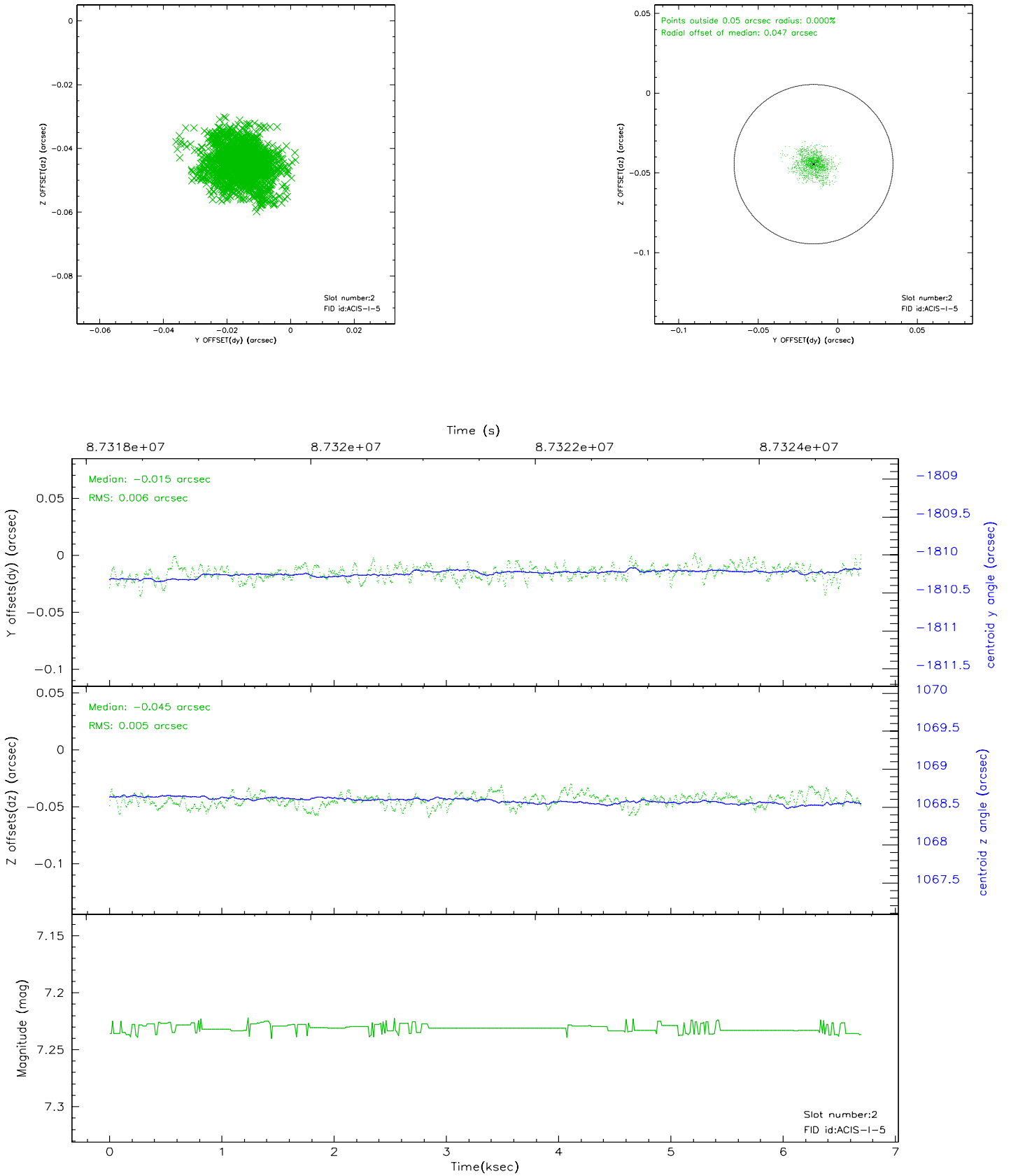
2.5.1 Slot 0



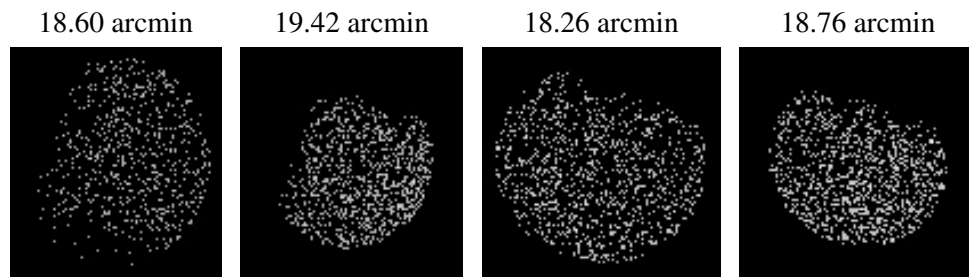
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.932

A.2 Comments