

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 3779 - L2 Version 4
Chandra X-Ray Center

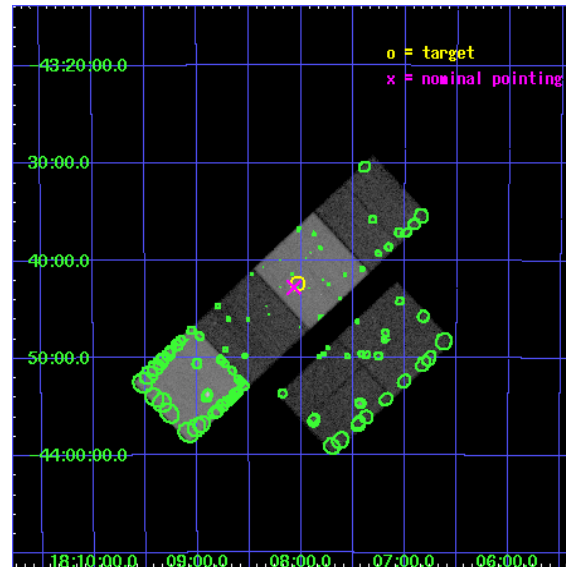
L2 Processing Date : Feb 5 2009

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1 Front

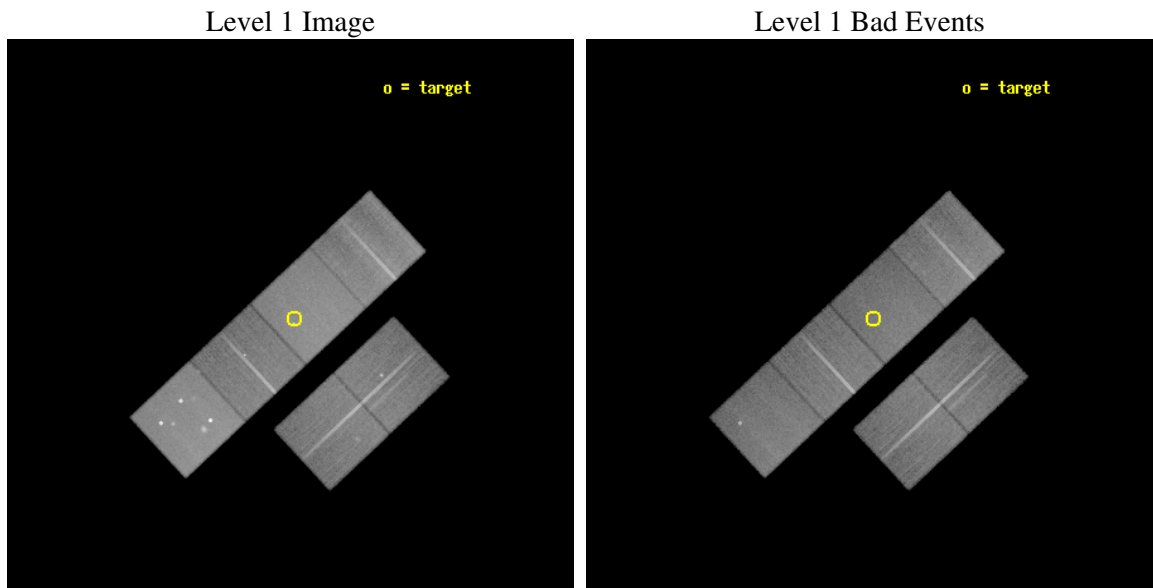
seq_num	300104
obs_id	3779
title	A UNIFORM STUDY OF GLOBULAR CLUSTER X-RAY SOURCES: THE KEY TO CLUSTER DYNAMICAL EVOLUTION
observer	Prof. Walter Lewin
object	NGC 6541
dtcycle	0
cycle	P
ra_targ	272.009167
dec_targ	-43.705472
ra_nom	272.01719168444
dec_nom	-43.71319155816
roll_nom	316.98091009968
revision	4
ontime	45401.599830866
livetime	44826.697436246
ontime2	45401.599830866
ontime3	45398.358850569
ontime5	45401.599830866
ontime6	45398.358850598
ontime7	45401.599830866
ontime8	45401.599830866
l2events	472609



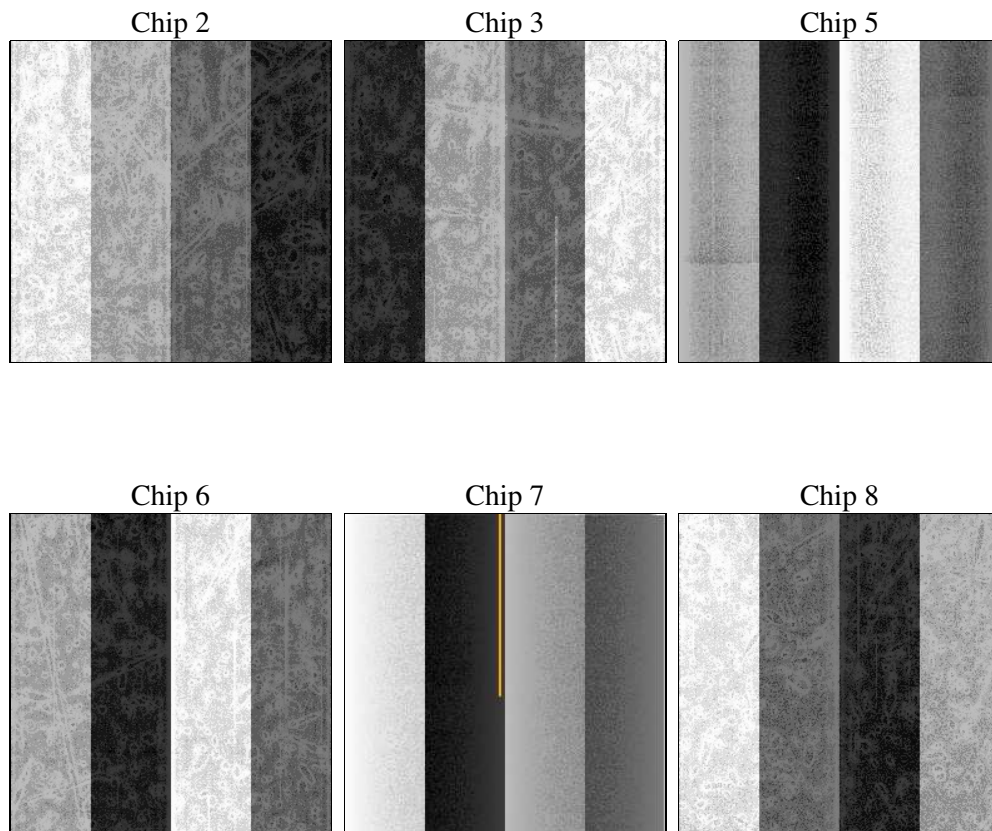
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldsver	3.5.1
date	2009-02-05T04:44:15
revision	4

sched_exp_time	45489.000000
ontime	45401.599830866
ontime2	45401.599830866
ontime3	45398.358850569
ontime5	45401.599830866
ontime6	45398.358850598
ontime7	45401.599830866
ontime8	45401.599830866
l1events	1993253

2.1.4 Events

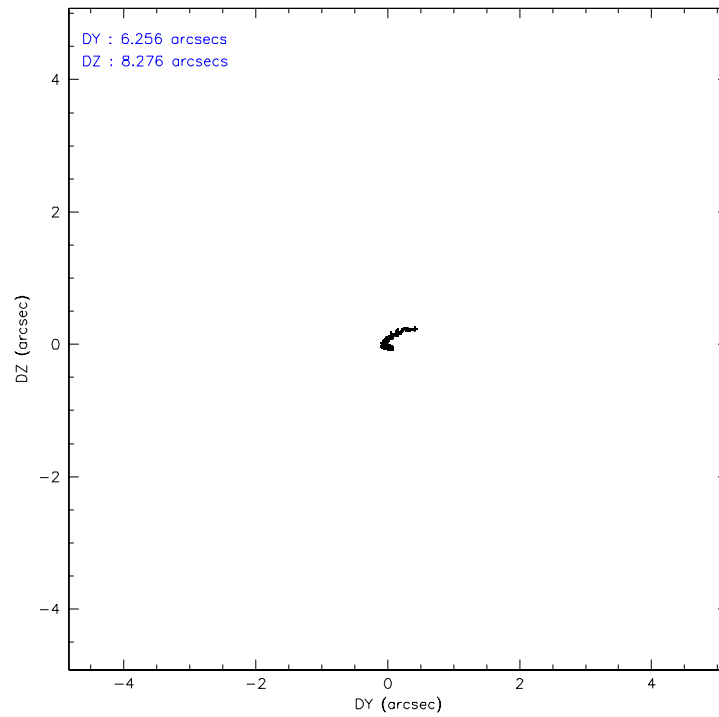
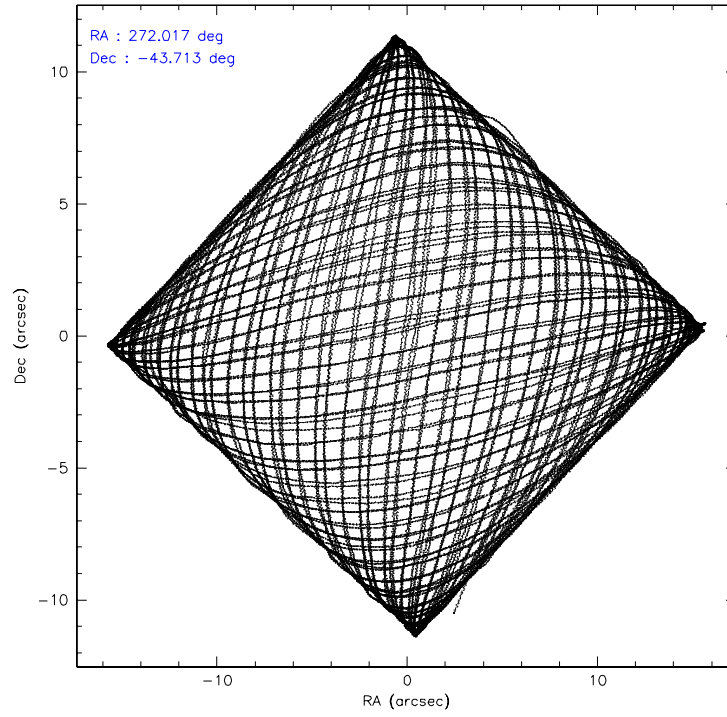
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	283249	270310	429076	282879	379041	348698
rejected events	247955	234211	221281	246029	215967	274732
rejected %	87%	86%	51%	86%	56%	78%

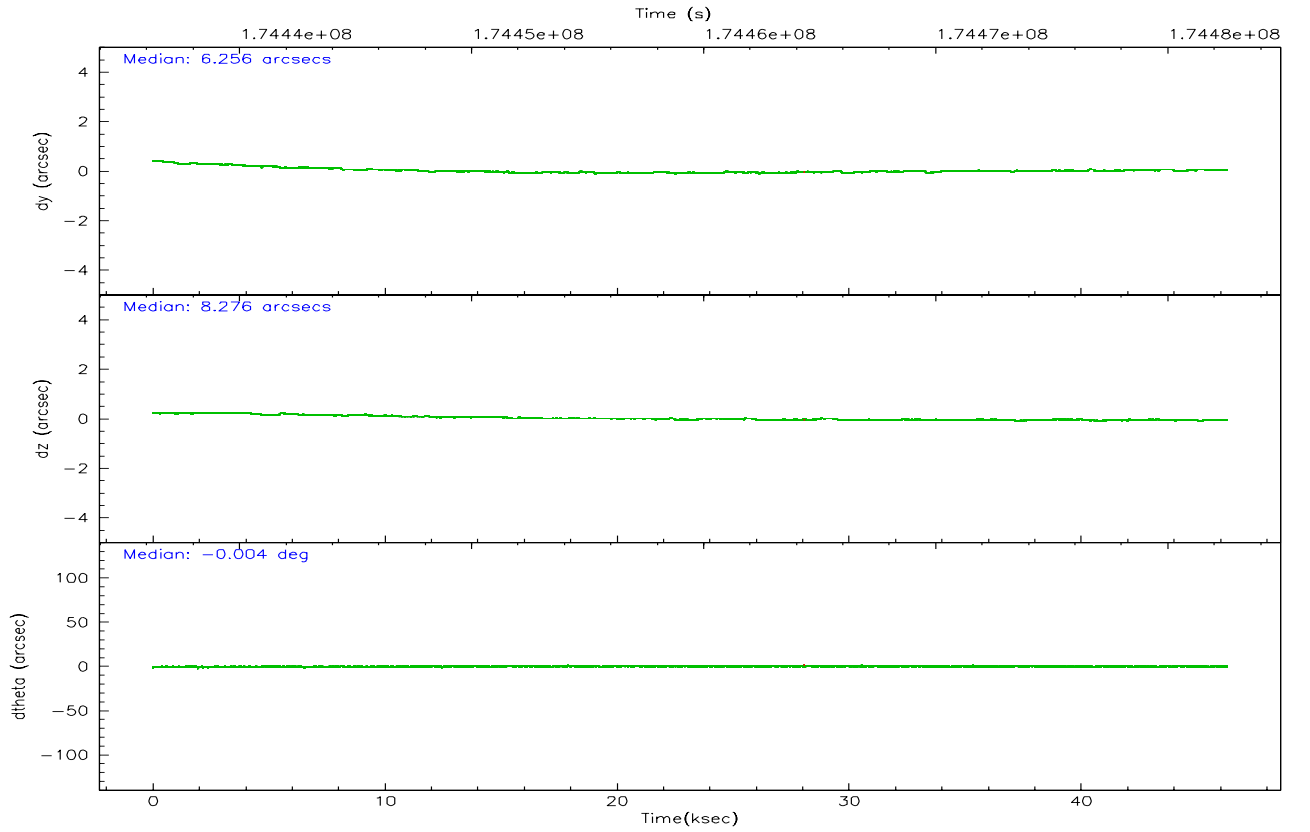
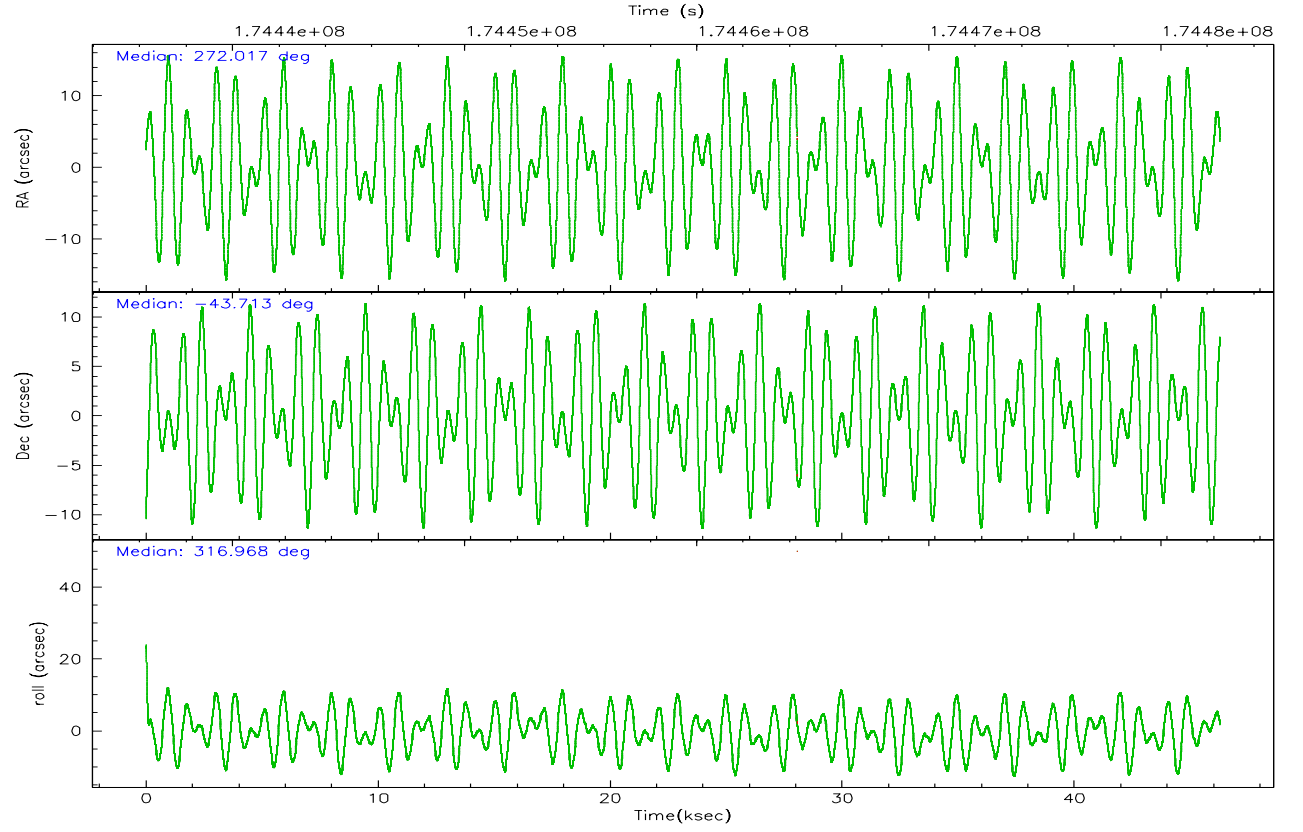
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16873	17779	34659	16846	17951	25322
	5%	6%	8%	5%	4%	7%
grade 1 events	173	160	526	127	372	213
	0%	0%	0%	0%	0%	0%
grade 2 events	6777	6290	58696	6924	32796	15643
	2%	2%	13%	2%	8%	4%
grade 3 events	3280	3280	8637	3298	14741	7547
	1%	1%	2%	1%	3%	2%
grade 4 events	3061	3261	8208	3234	14943	7122
	1%	1%	1%	1%	3%	2%
grade 5 events	10931	11953	30271	12718	35045	16279
	3%	4%	7%	4%	9%	4%
grade 6 events	5343	5521	97801	6587	82826	18427
	1%	2%	22%	2%	21%	5%
grade 7 events	236811	222066	190278	233145	180367	258145
	83%	82%	44%	82%	47%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	272.017191684444	272.017191684444	Subarray requested	NONE	NONE
Pointing Dec	-43.71319155815989	-43.71319155815989	Alternating exposures requested	N	N
Pointing Roll	316.9809100996829	316.9809100996829	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
SIM defocus (mm)	0.001444942264670734	0.001444942264670734			
SIM translation stage pos (mm)	-190.1425803652	-190.1425803652			
SIM translation stage offset (mm)	0.01005726123278805	0.01005726123278805			
Observation start time	174436270.0205	174436270.0205			
Observation start date	2003-07-12T22:43:27	2003-07-12T22:31:10			
Observation end time	174482562.09751	174482562.09751			
Observation end date	2003-07-13T11:21:36	2003-07-13T11:22:42			
Read mode	TIMED	TIMED			

2.3 Aspect



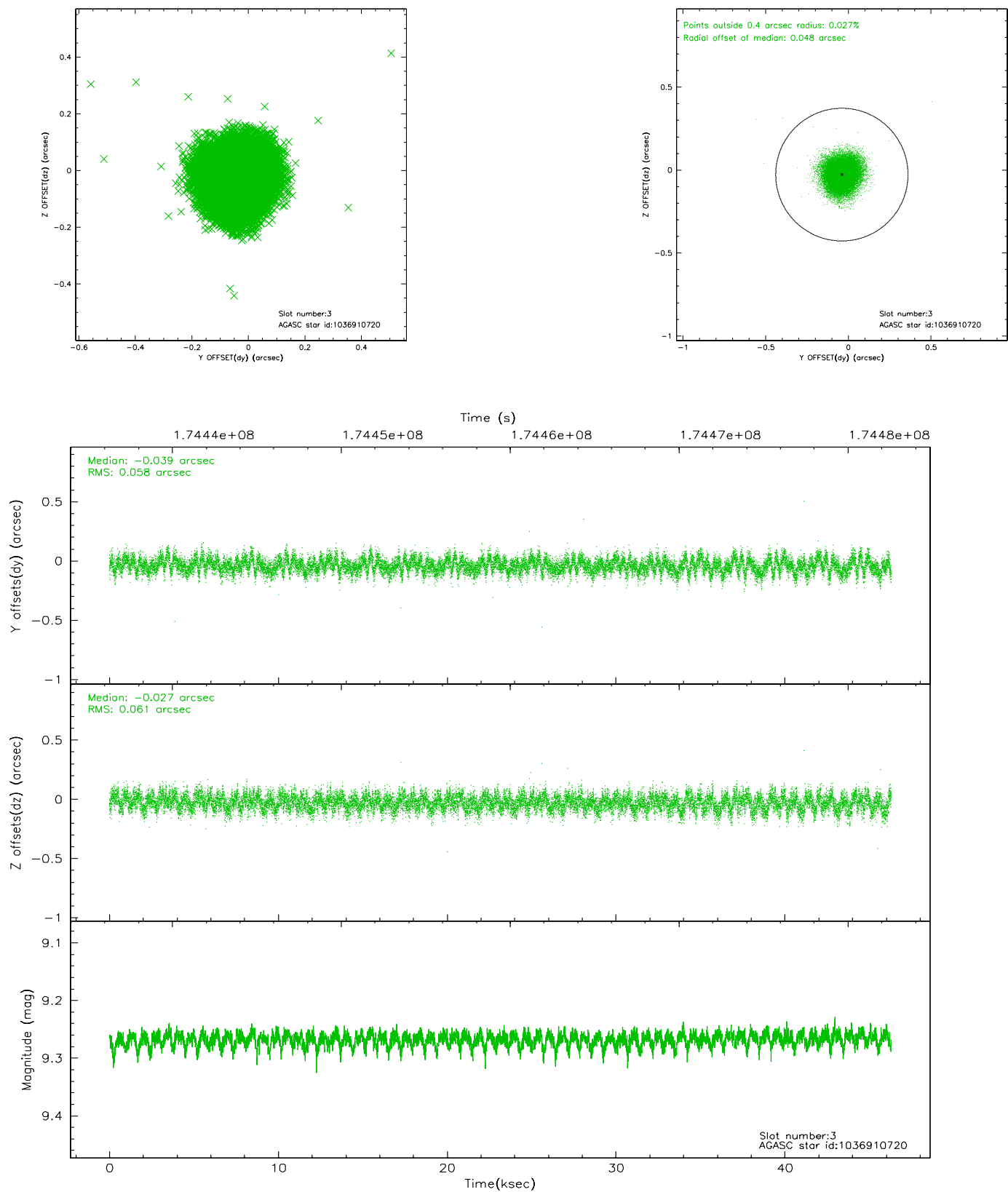


Slot Statistics

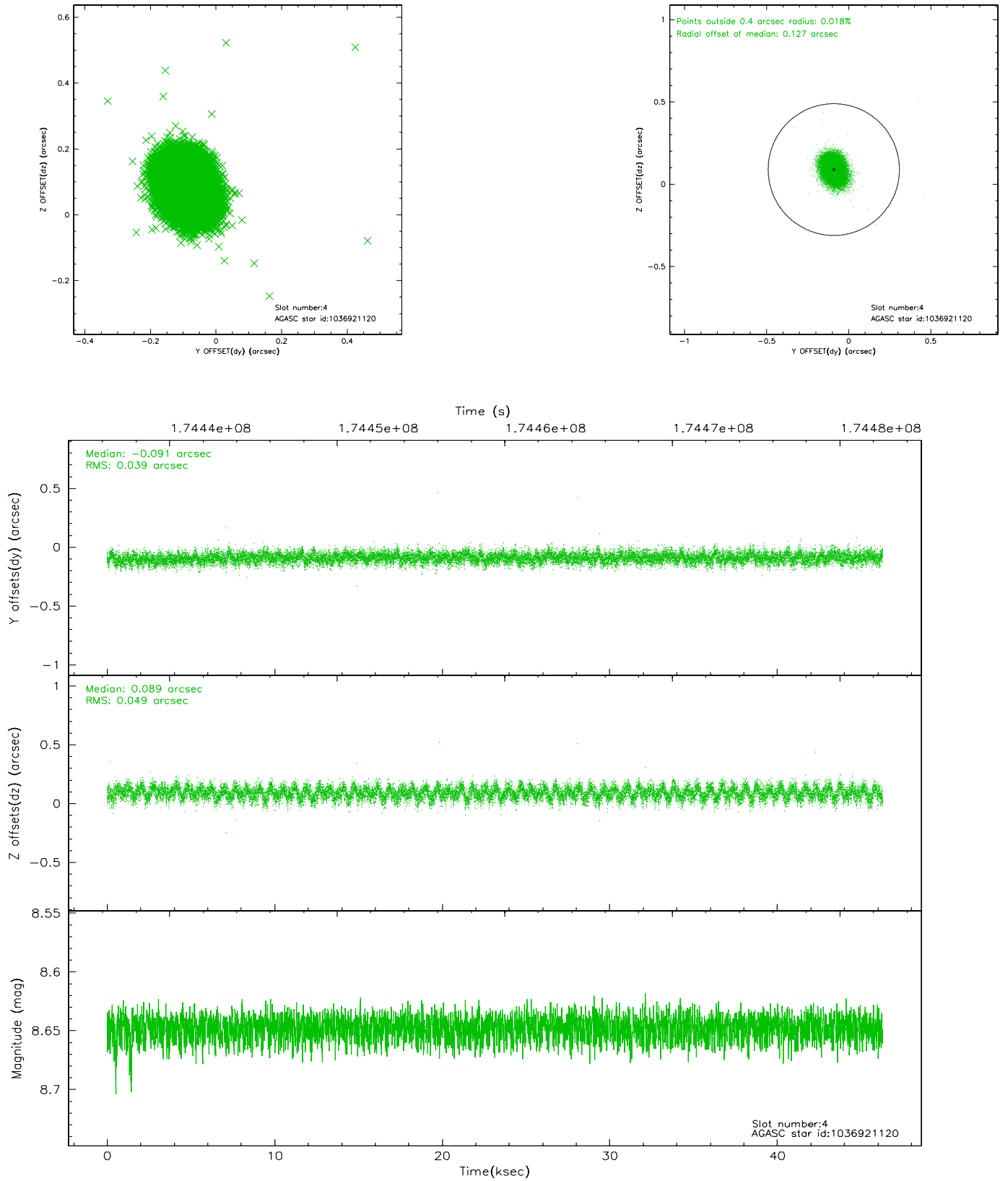
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	11291	0.033	-0.051	0.009	0.024	0.000000	0.000000	937.00	-1725.16
1	FID	ACIS-S-4	7.20	11290	0.037	0.023	0.007	0.024	0.000000	0.000000	2154.45	179.04
2	FID	ACIS-S-5	7.22	11291	-0.098	0.040	0.007	0.025	0.000000	0.000000	-1811.97	172.75
3	GUIDE	1036910720	9.27	22570	-0.039	-0.027	0.090	0.143	271.364419	-43.598283	-1435.17	-817.23
4	GUIDE	1036921120	8.65	22580	-0.091	0.089	0.066	0.107	271.843906	-44.157071	851.74	-1420.87
5	GUIDE	1036945328	9.09	22576	0.025	-0.064	0.102	0.159	271.207896	-43.840237	-1127.78	-1728.48
6	GUIDE	1036396304	9.49	22541	0.039	-0.052	0.094	0.149	272.027995	-42.957947	-1755.92	2052.55
7	GUIDE	1036916488	9.52	22571	0.066	0.059	0.098	0.160	272.265545	-43.429439	-140.80	1239.39

2.4 Star Slots

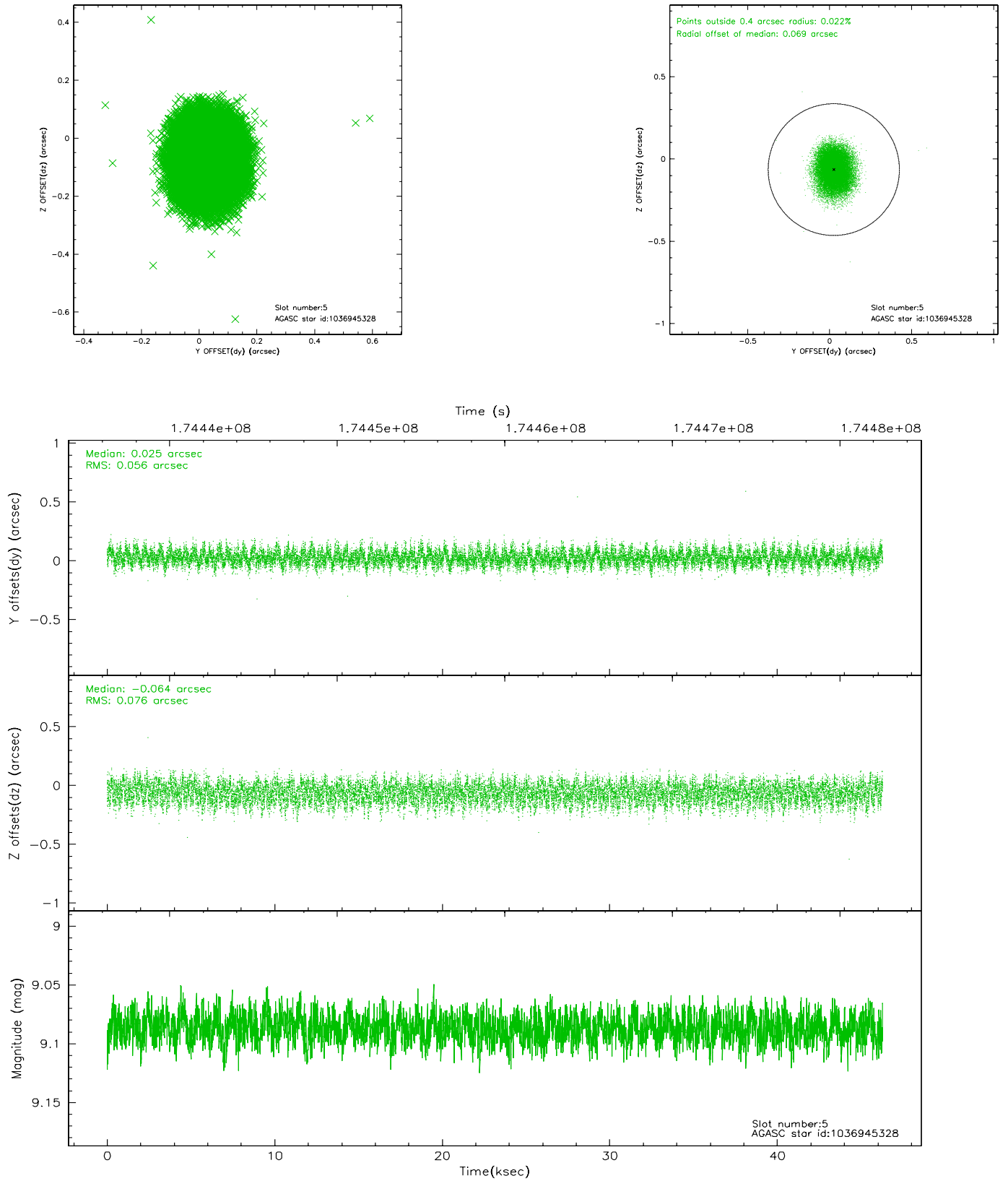
2.4.1 Slot 3



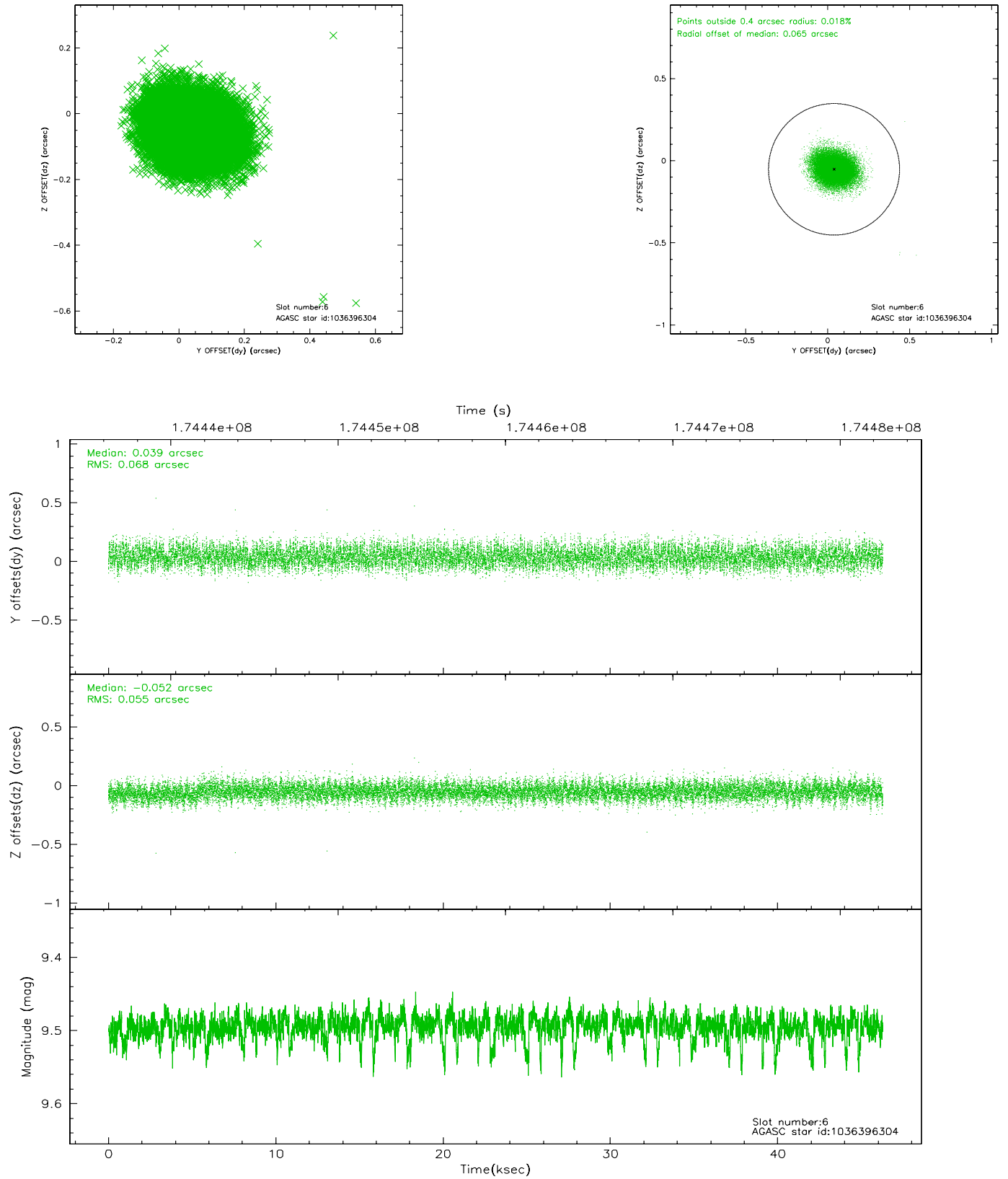
2.4.2 Slot 4



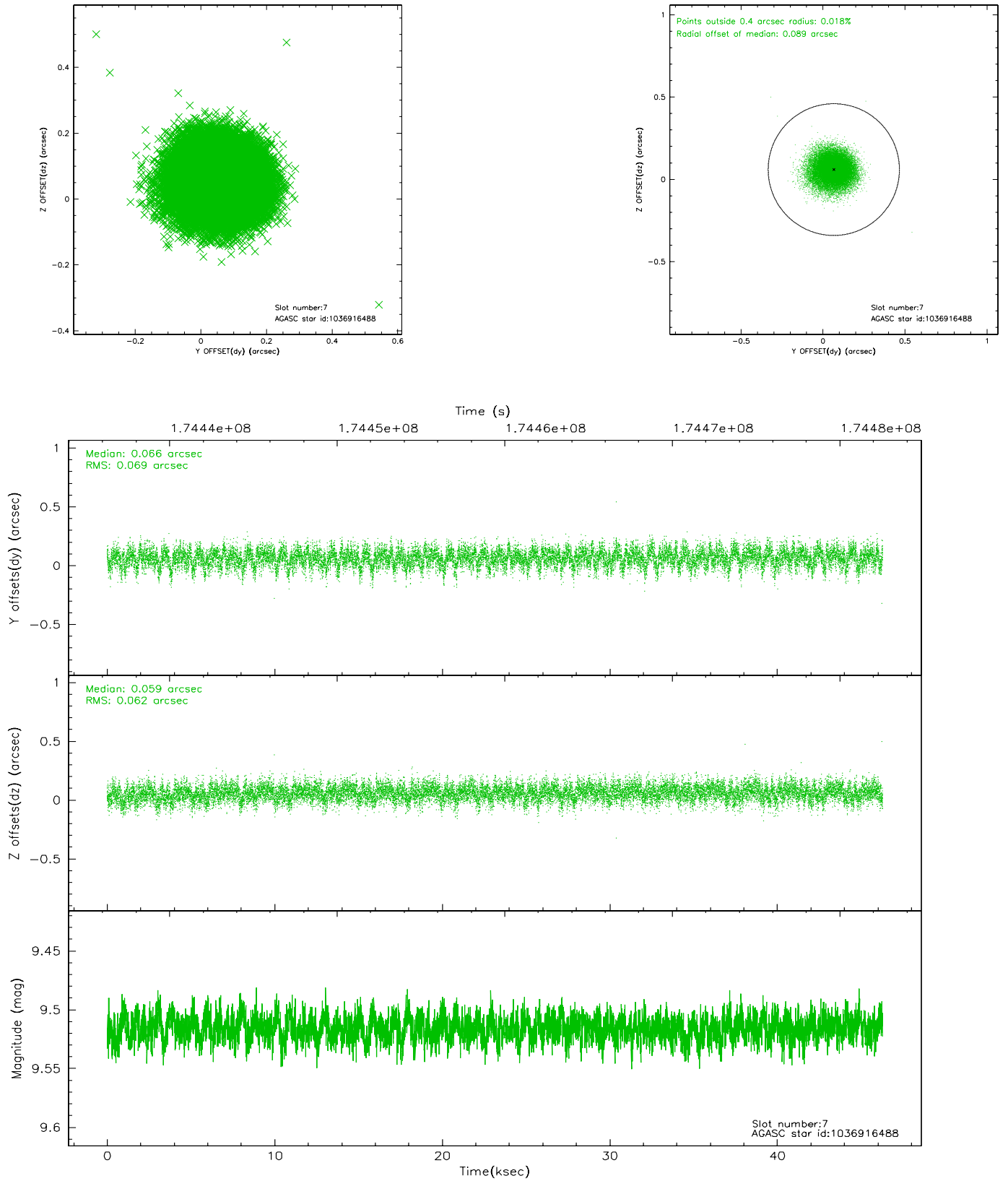
2.4.3 Slot 5



2.4.4 Slot 6

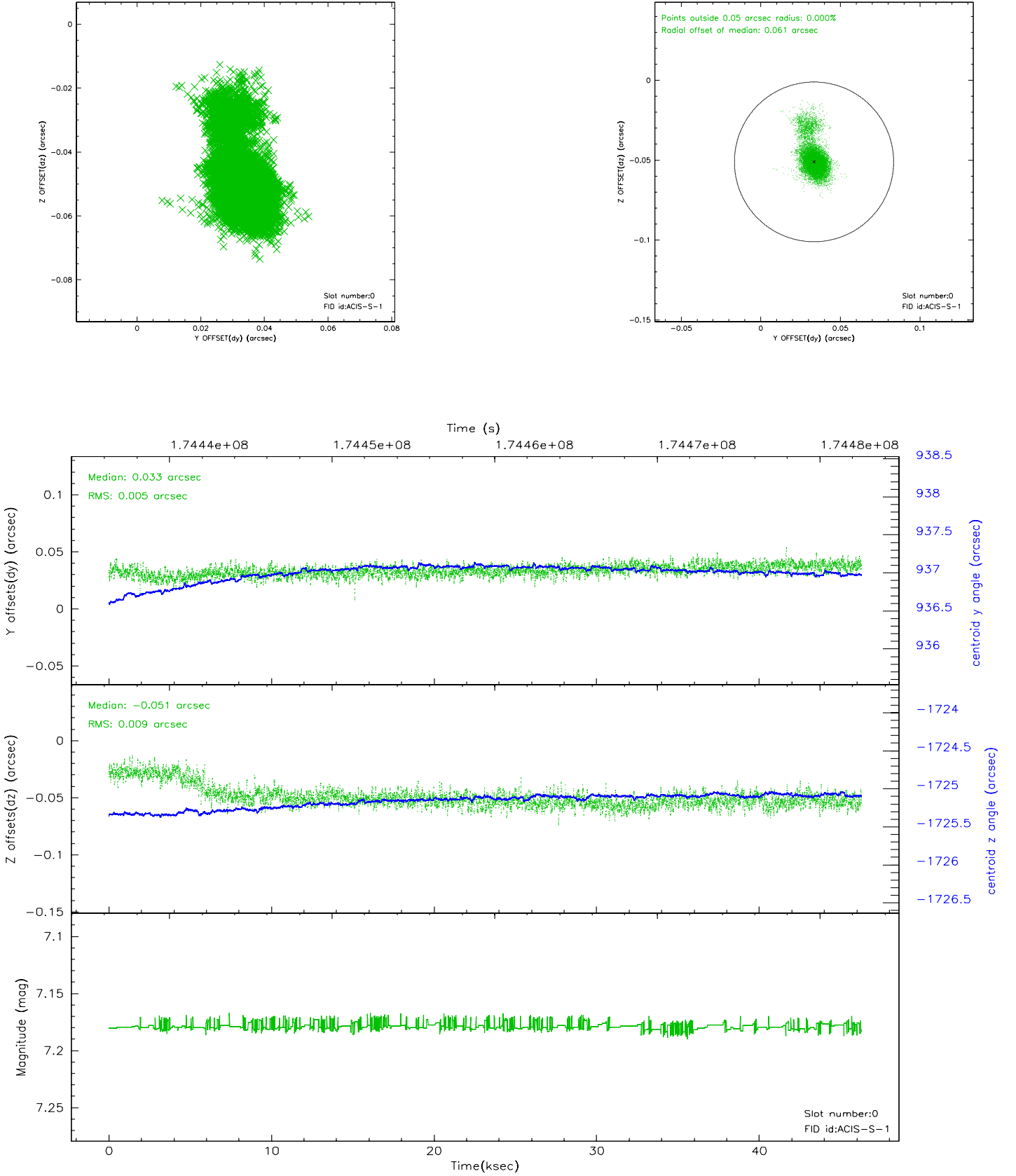


2.4.5 Slot 7

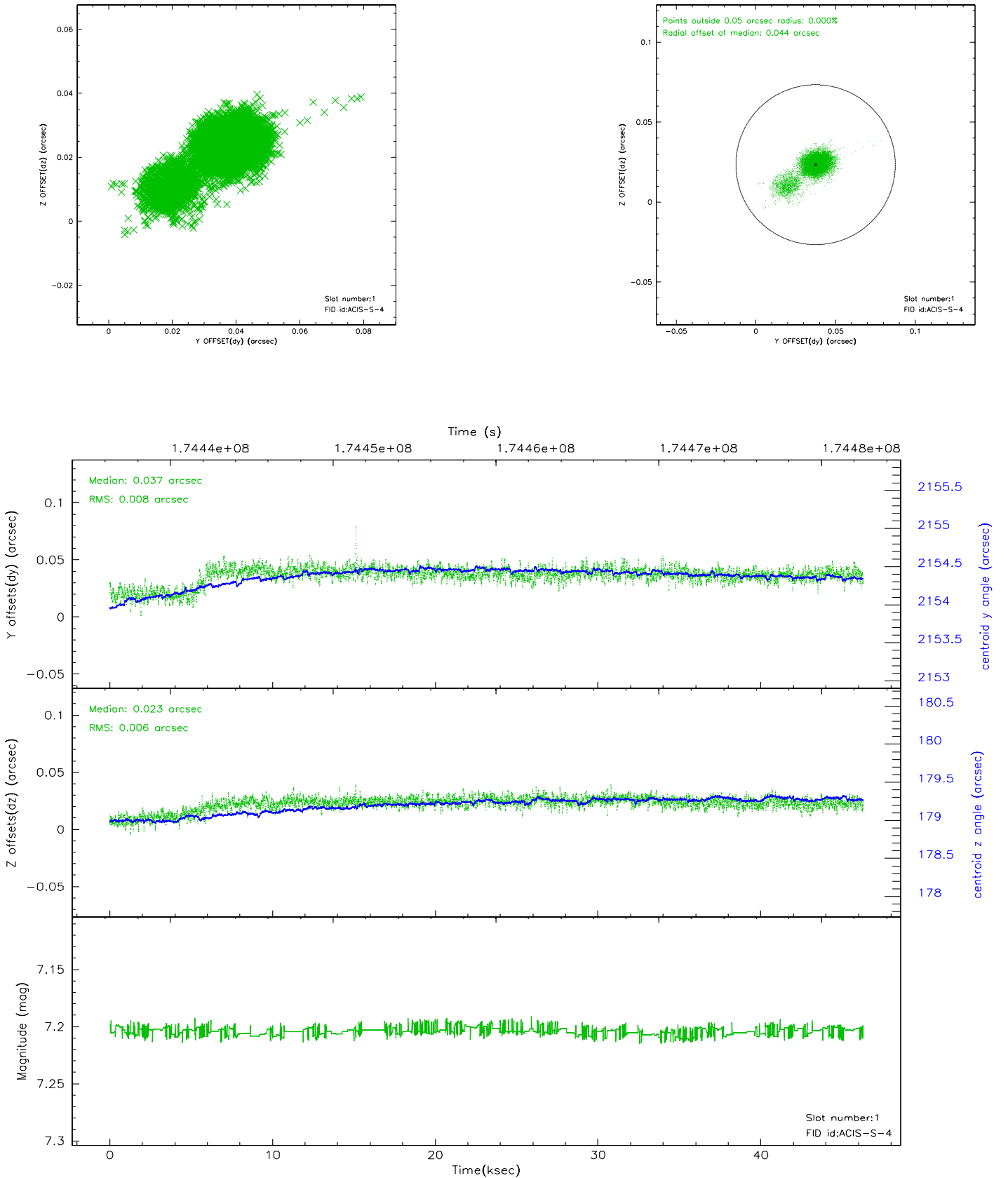


2.5 FID Slots

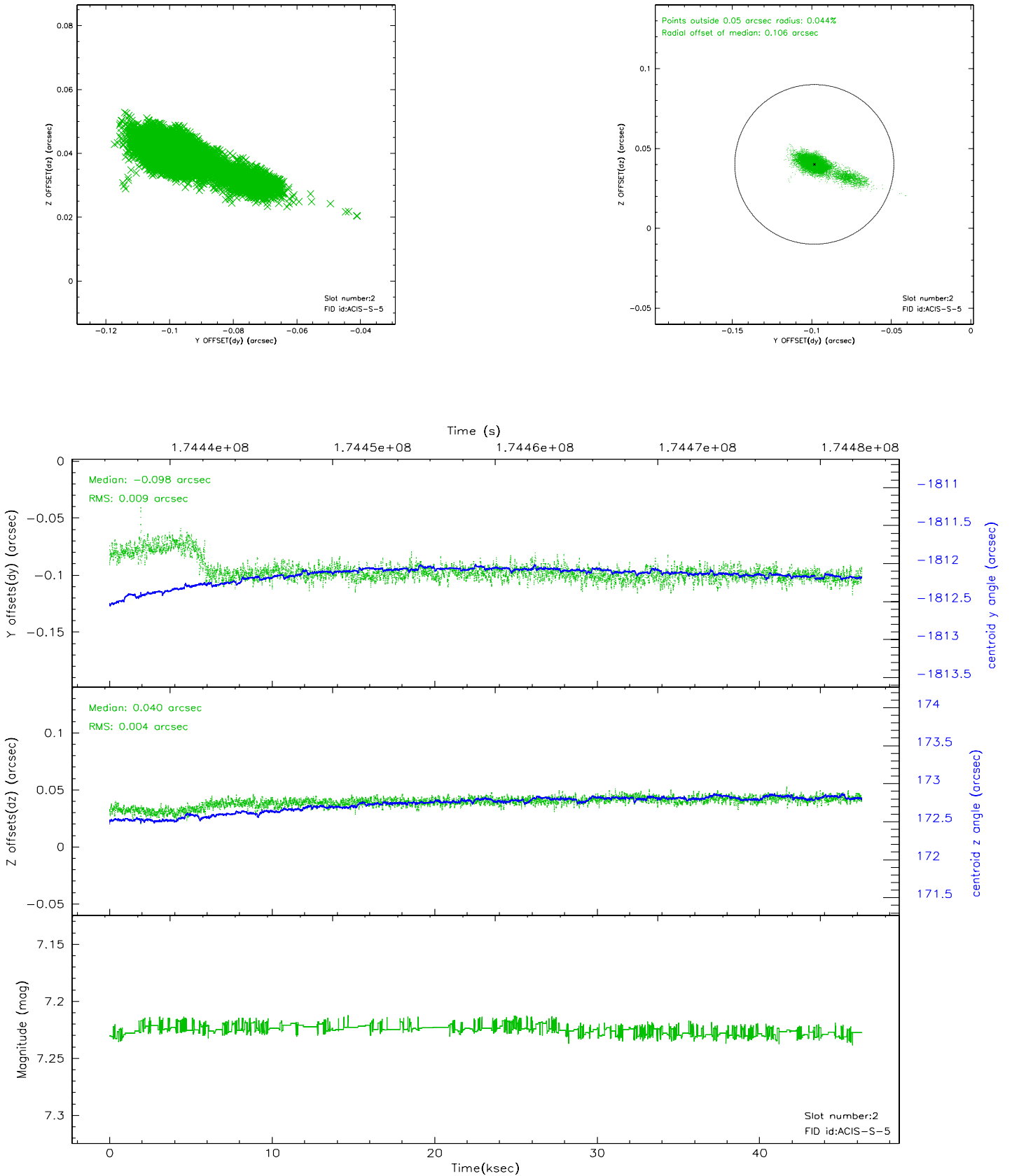
2.5.1 Slot 0



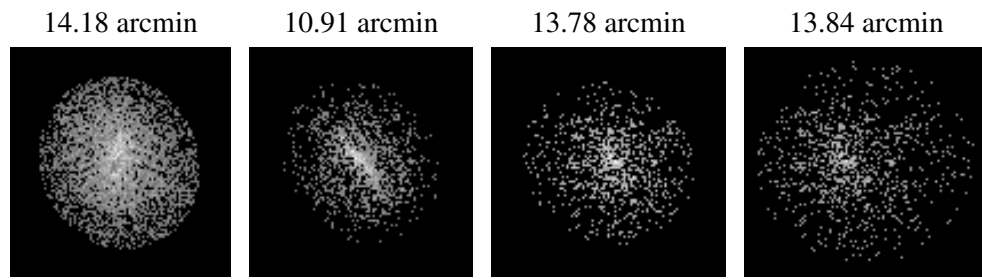
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.404

A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.