

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4471 - L2 Version 002
Chandra X-Ray Center

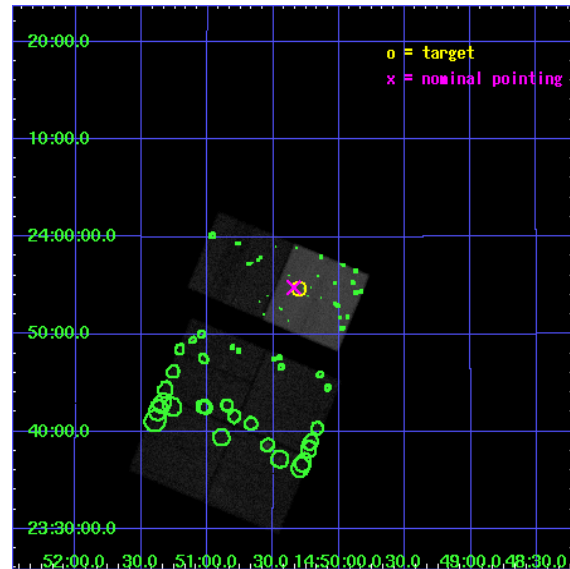
L2 Processing Date : Apr 10 2006

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

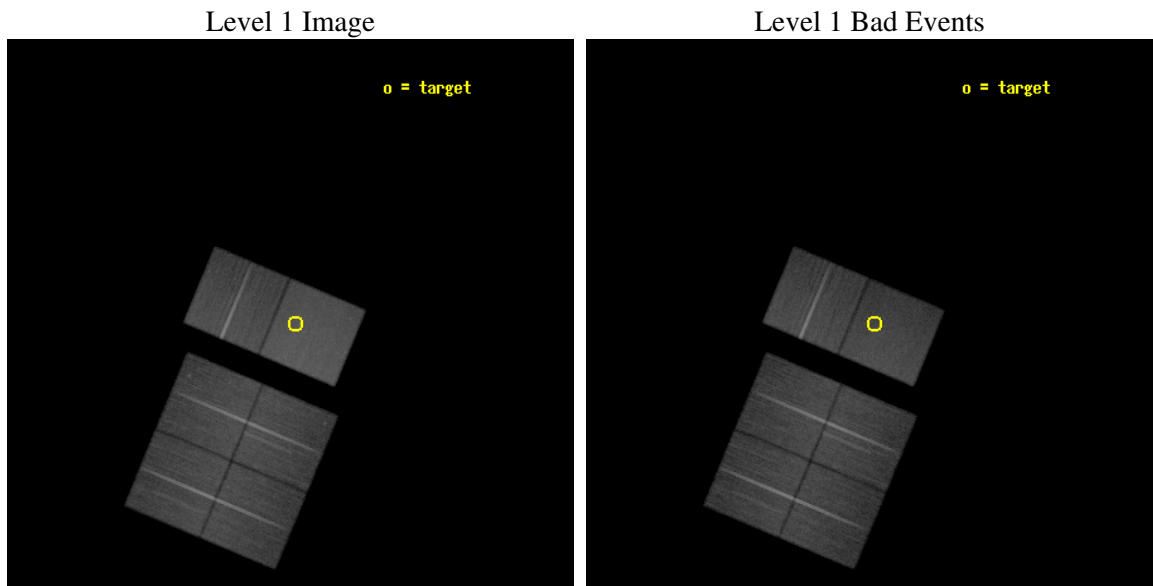
seq_num	200240
obs_id	4471
title	AGE AND TEMPERATURE DEPENDENCE OF X-RAY ACTIVITY AT THE COOL END OF THE MAIN-SEQUENCE
observer	Dr. Beate Stelzer
object	HD 130948 BC
dtcycle	0
cycle	P
ra_targ	222.575417
dec_targ	23.911667
ra_nom	222.58571321882
dec_nom	23.913761078871
roll_nom	22.652450666885
revision	2
ontime	41743.999844491
livetime	41215.412183241
ontime0	41743.999844491
ontime1	41740.75898385
ontime2	41743.999844491
ontime3	41743.999844491
ontime6	41743.999844491
ontime7	41743.999844491
l2events	344515



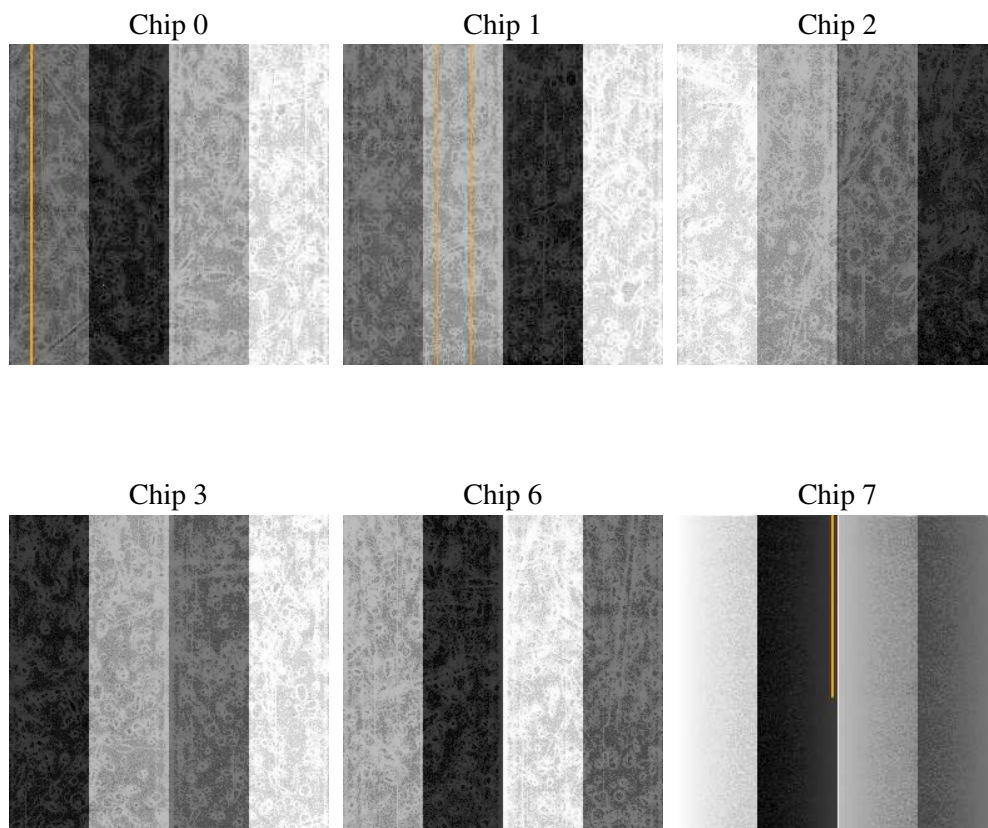
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-10T13:42:20
revision	2

sched_exp_time	41569.118000
ontime	42534.882960796
ontime0	42534.882960796
ontime1	42531.642100155
ontime2	42534.882960796
ontime3	42534.882960796
ontime6	42534.882960796
ontime7	42534.882960796
l1events	2093766

2.1.4 Events

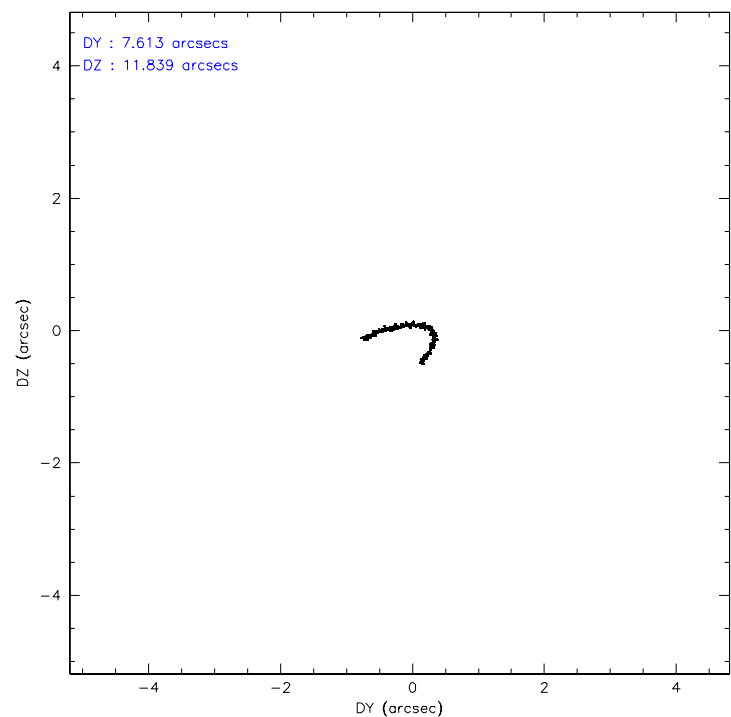
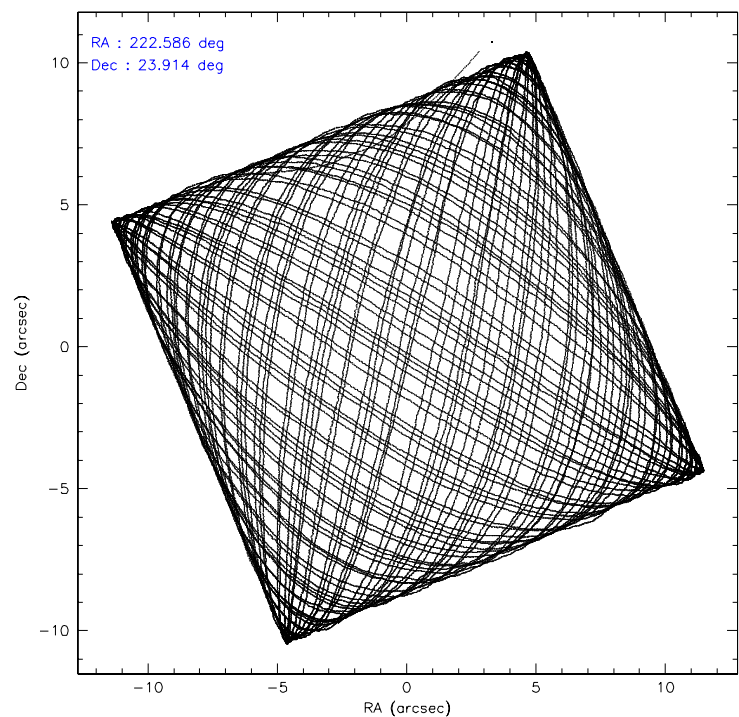
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	322327	304207	332441	328544	344315	461932
rejected events	282921	263828	293508	290528	305507	282459
rejected %	87%	86%	88%	88%	88%	61%

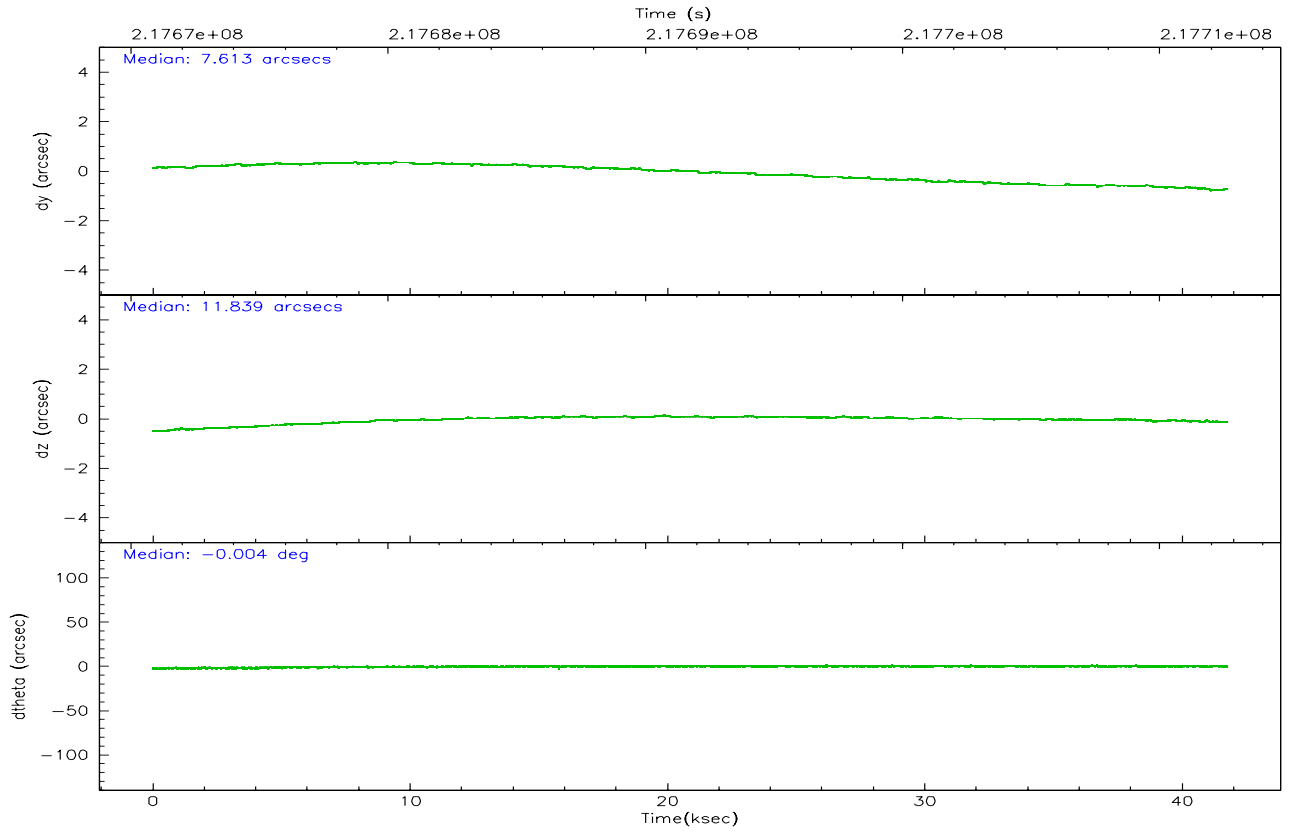
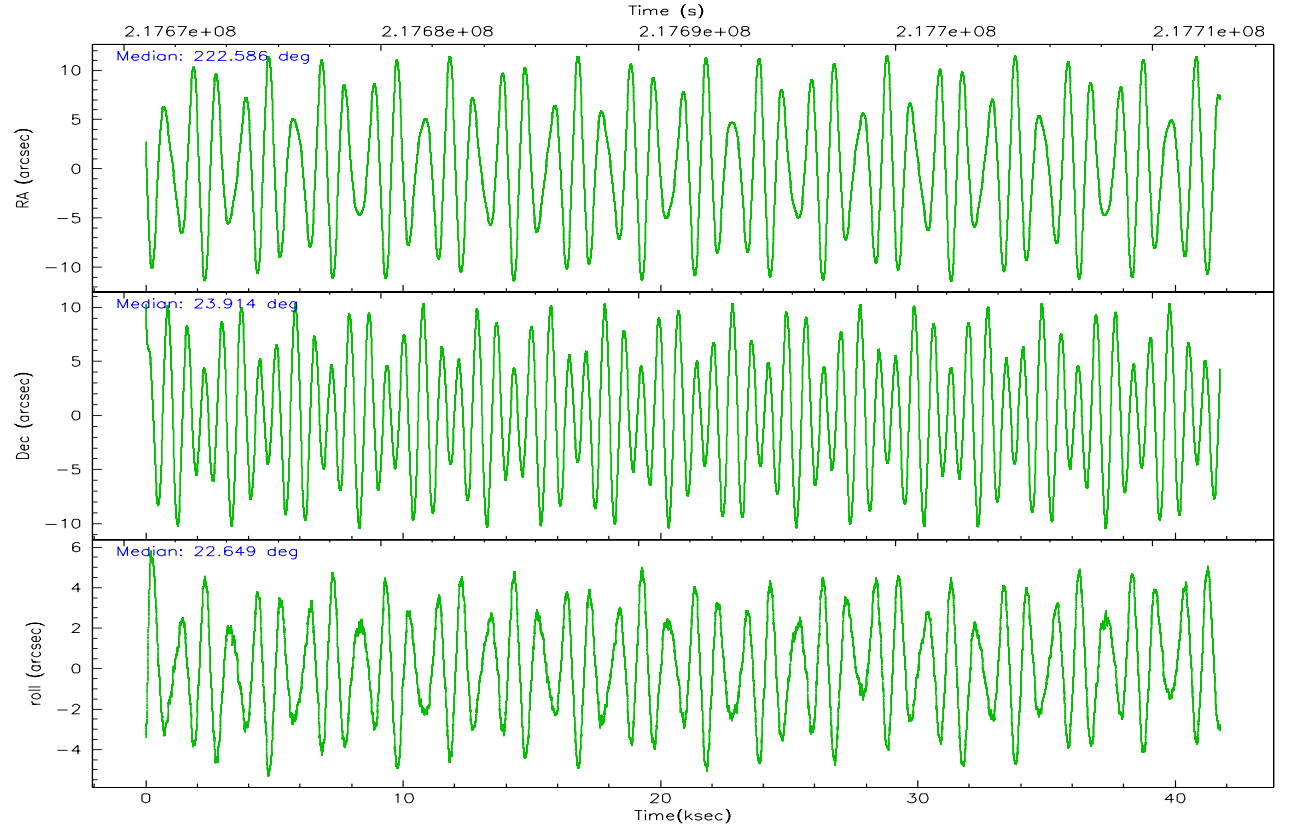
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	16689	16407	18014	17151	15919	13083
	5%	5%	5%	5%	4%	2%
grade 1 events	199	159	218	218	173	633
	0%	0%	0%	0%	0%	0%
grade 2 events	8771	8911	7976	7203	8215	45496
	2%	2%	2%	2%	2%	9%
grade 3 events	3987	4027	3625	3714	3776	9799
	1%	1%	1%	1%	1%	2%
grade 4 events	3626	3974	3636	3837	3673	9467
	1%	1%	1%	1%	1%	2%
grade 5 events	13713	13719	12510	14604	15308	30783
	4%	4%	3%	4%	4%	6%
grade 6 events	7084	7857	6381	6845	7926	104838
	2%	2%	1%	2%	2%	22%
grade 7 events	268258	249153	280081	274972	289325	247833
	83%	81%	84%	83%	84%	53%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	222.568003	222.5857132188202	Alternating exposures requested	N	N
Pointing Dec	23.891896	23.91376107887146	Primary exposure time	0.000000	3.2
Pointing Roll	22.502999	22.65245066688528			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	217671051.184000	217669533.203			
Observation start date	2004-11-24T08:09:47	2004-11-24T07:45:33			
Observation end time	217712620.184000	217712833.81745			
Observation end date	2004-11-24T19:42:36	2004-11-24T19:47:13			
Read mode	TIMED	TIMED			

2.3 Aspect



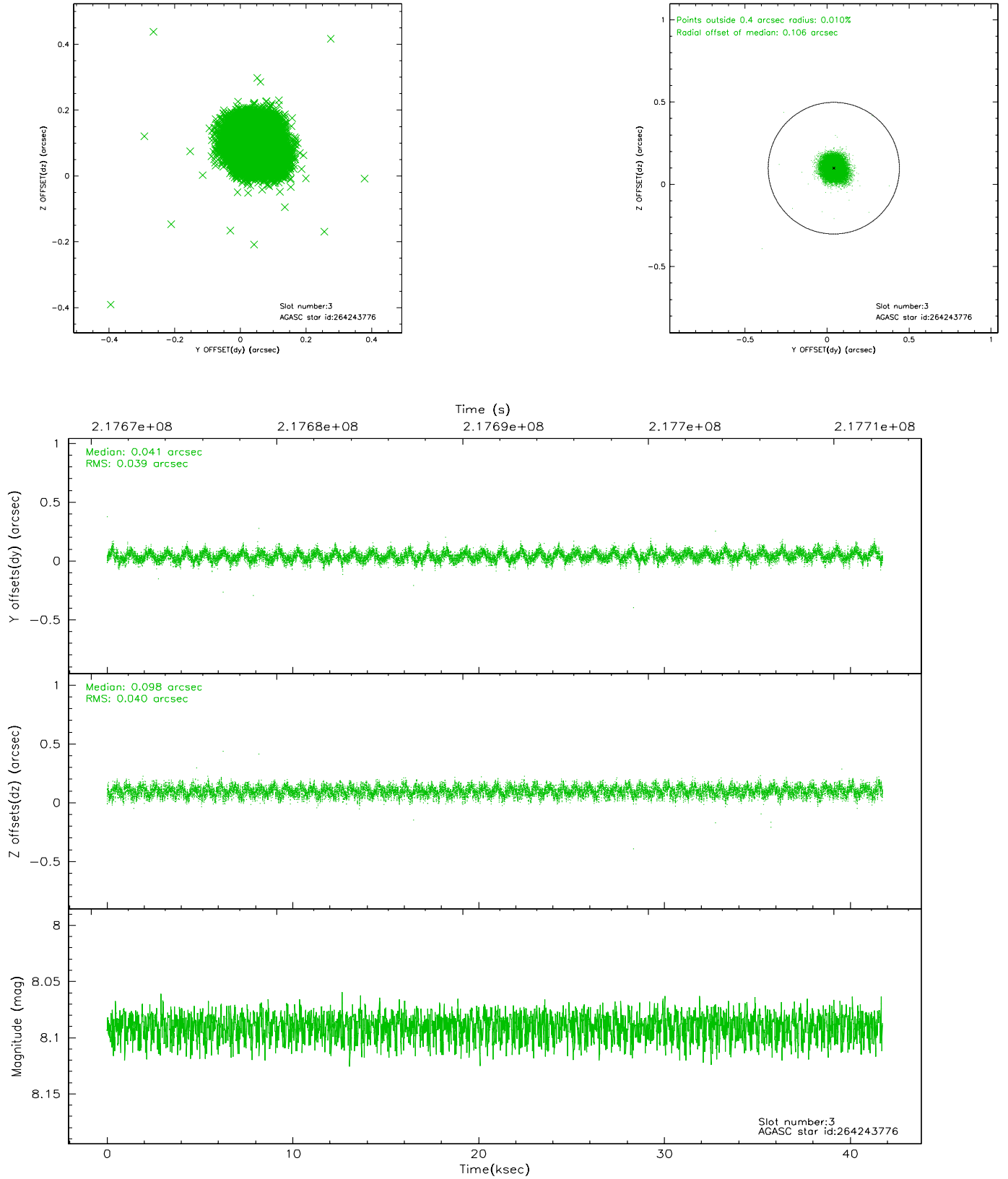


Slot Statistics

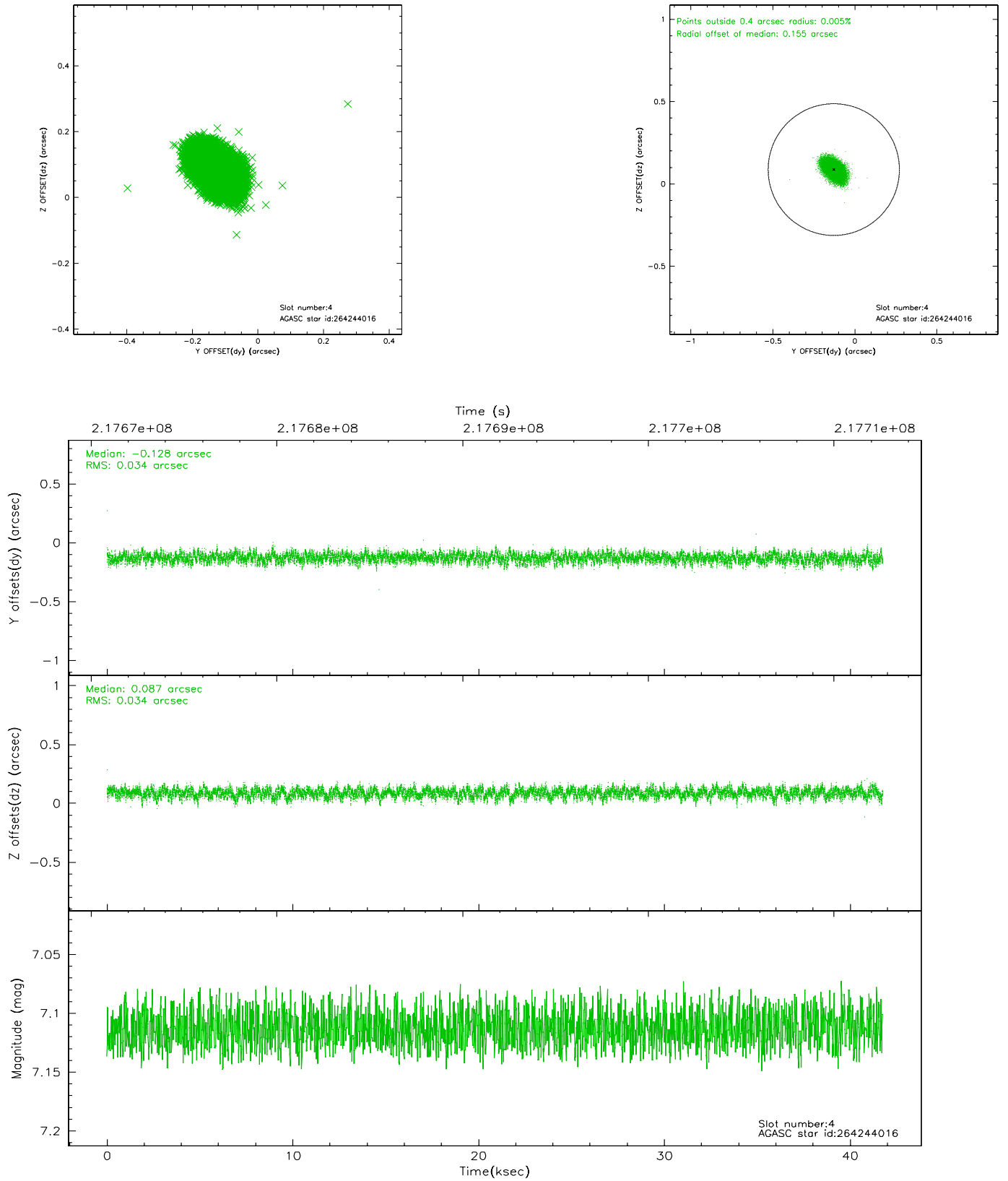
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	10181	-0.010	0.001	0.008	0.014	0.000000	0.000000	-760.29	-1733.09
1	FID	ACIS-S-4	7.20	10183	0.027	0.005	0.019	0.026	0.000000	0.000000	2153.01	175.40
2	FID	ACIS-S-5	7.23	10183	-0.050	0.004	0.022	0.031	0.000000	0.000000	-1813.17	169.06
3	GUIDE	264243776	8.09	20355	0.041	0.098	0.059	0.094	222.025139	23.495408	-2200.56	-629.51
4	GUIDE	264244016	7.11	20366	-0.128	0.087	0.050	0.085	223.121774	23.801362	1561.77	-995.53
5	GUIDE	264247808	8.87	20356	0.056	0.030	0.071	0.114	222.238250	23.559393	-1462.57	-688.30
6	GUIDE	264247840	7.09	20366	-0.026	-0.194	0.046	0.072	221.913453	24.097555	-1702.07	1511.90
7	GUIDE	264244712	8.90	20358	0.053	-0.021	0.069	0.113	222.948863	24.755978	2341.61	2399.38

2.4 Star Slots

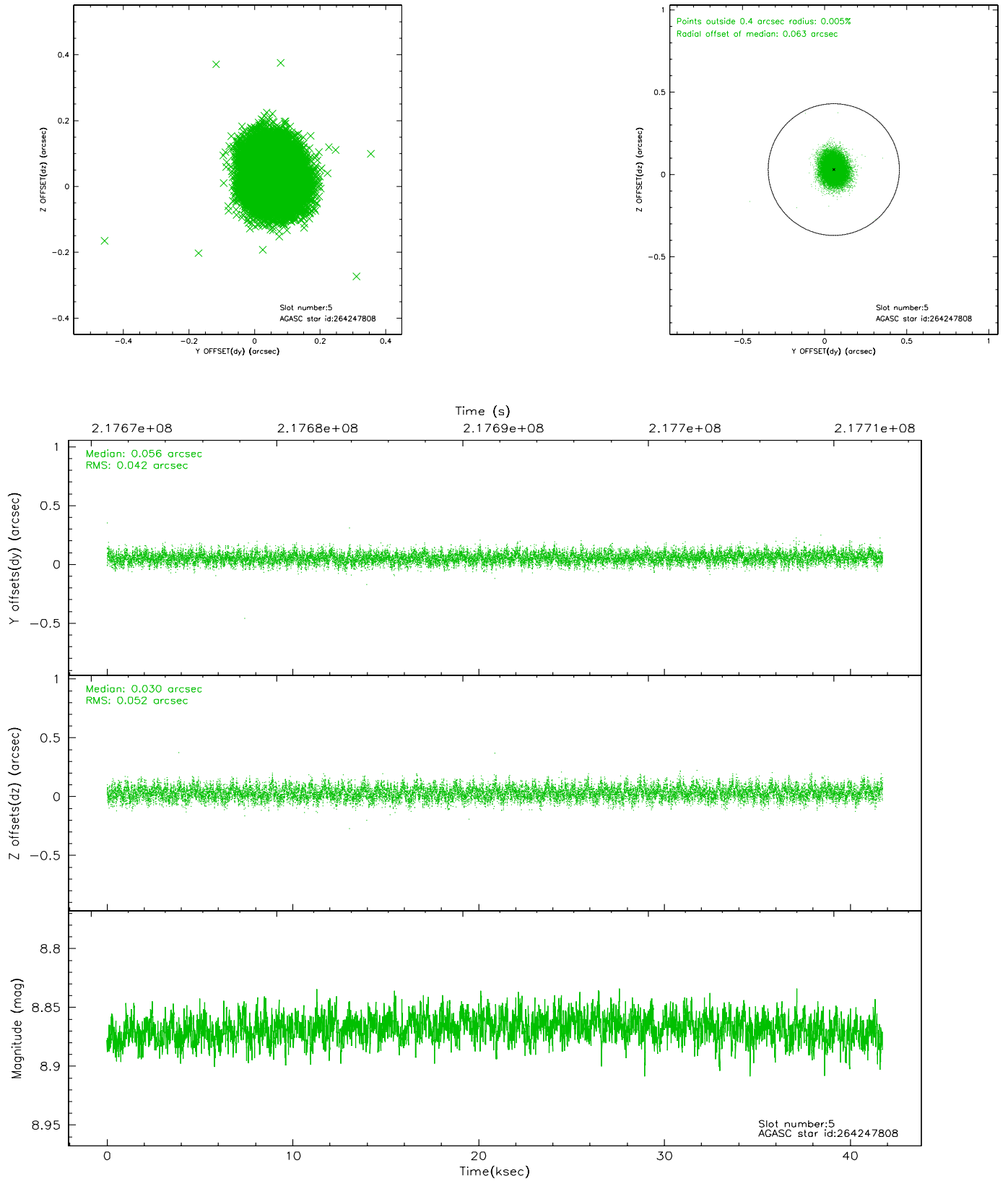
2.4.1 Slot 3



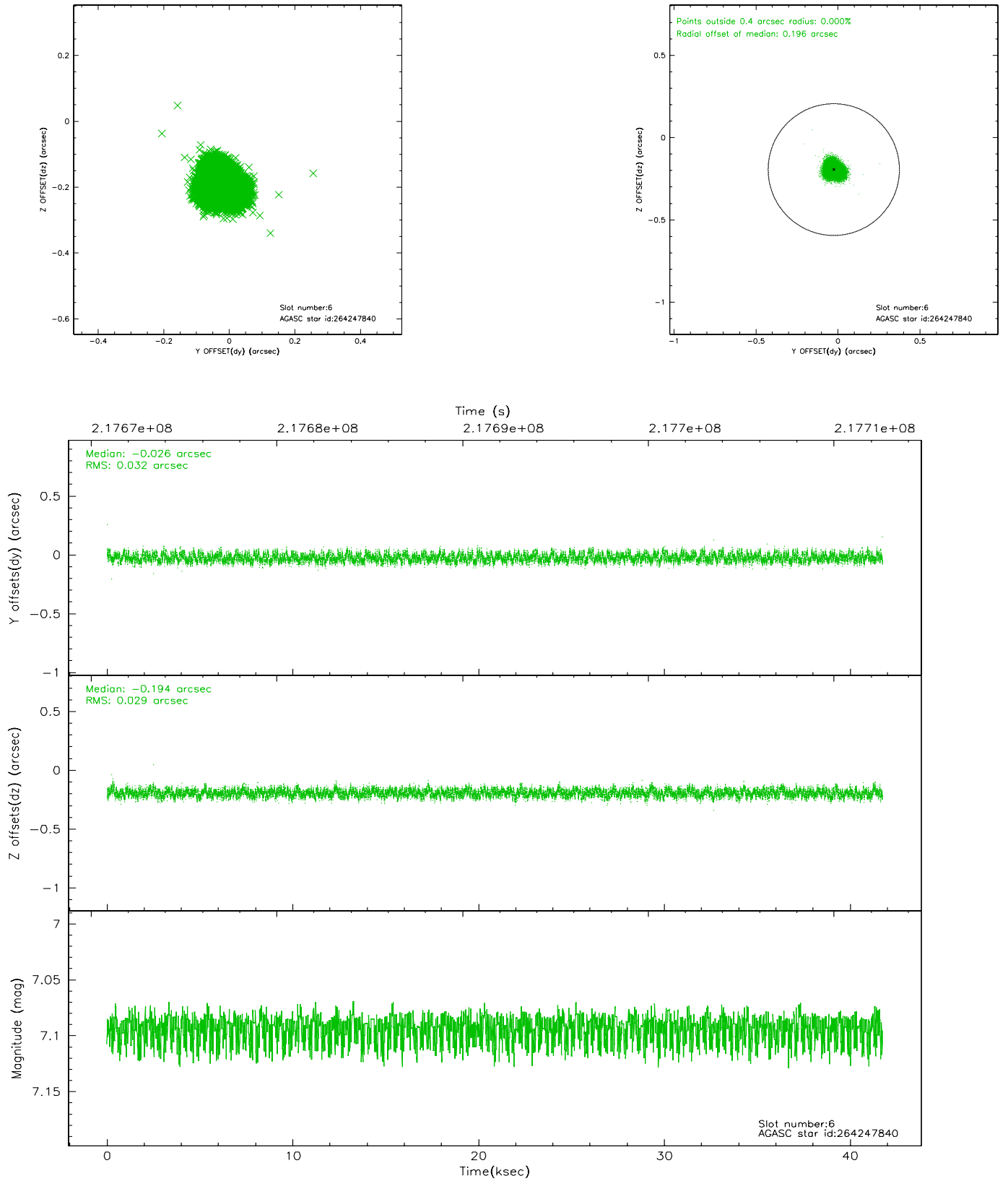
2.4.2 Slot 4



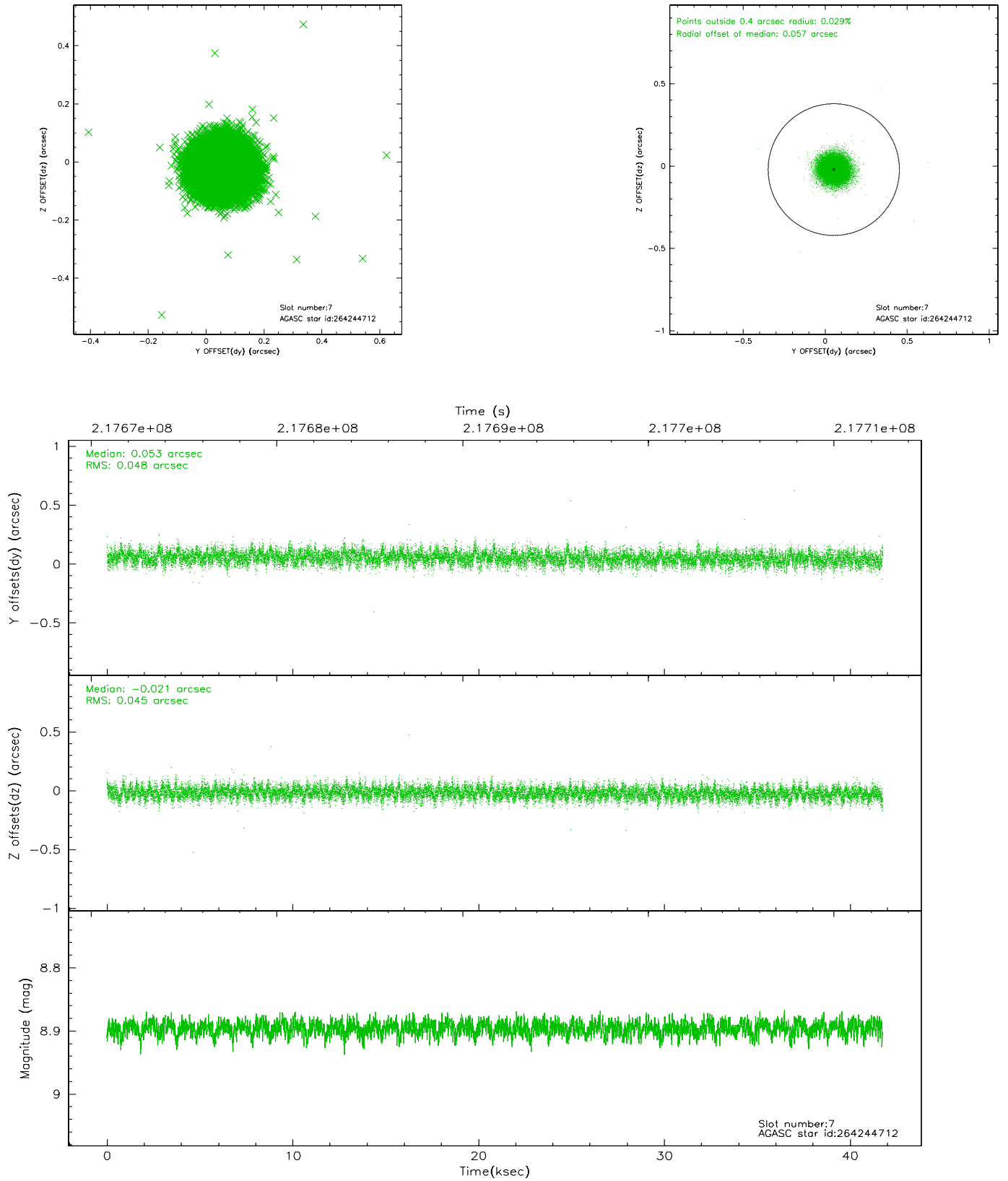
2.4.3 Slot 5



2.4.4 Slot 6

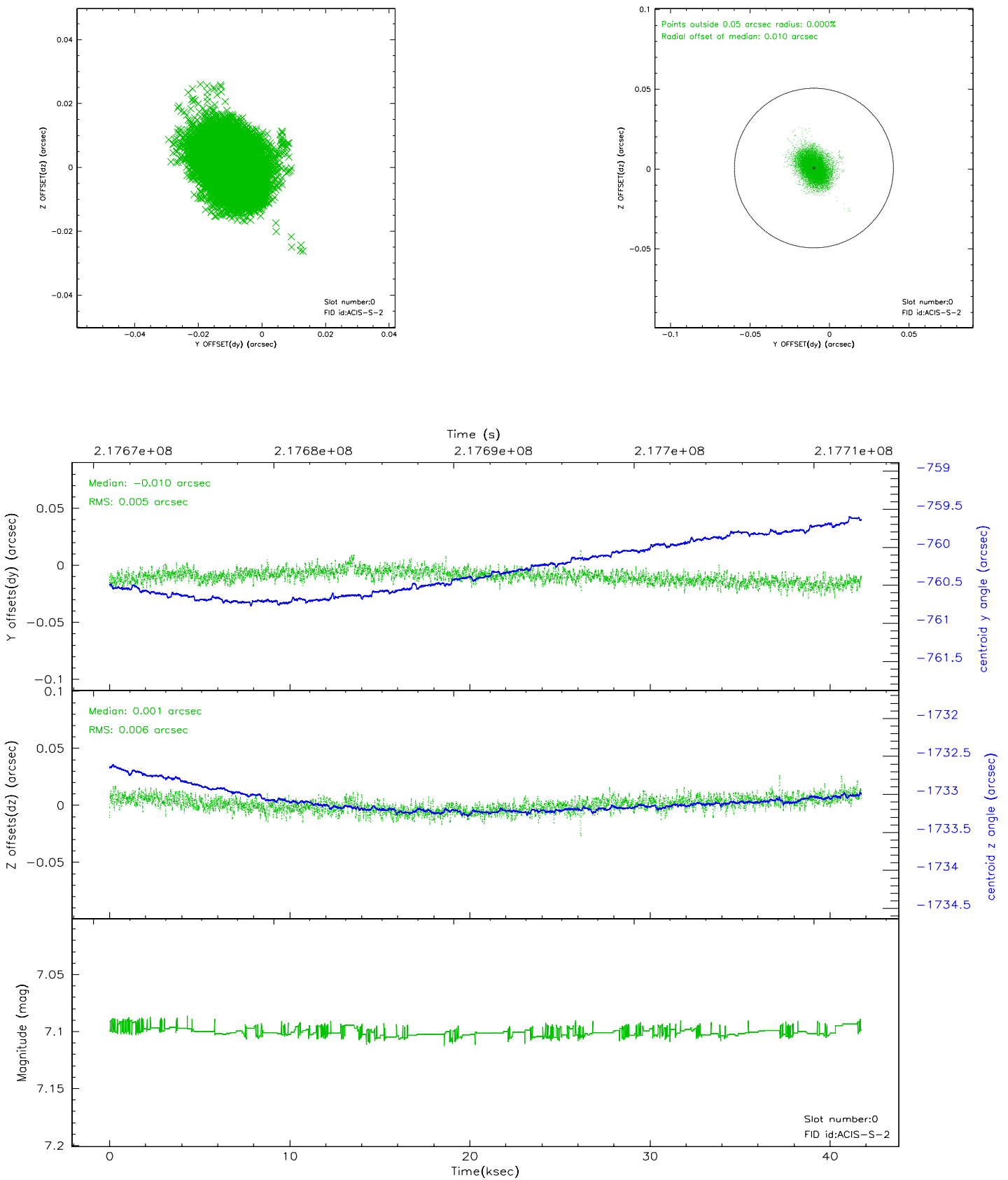


2.4.5 Slot 7

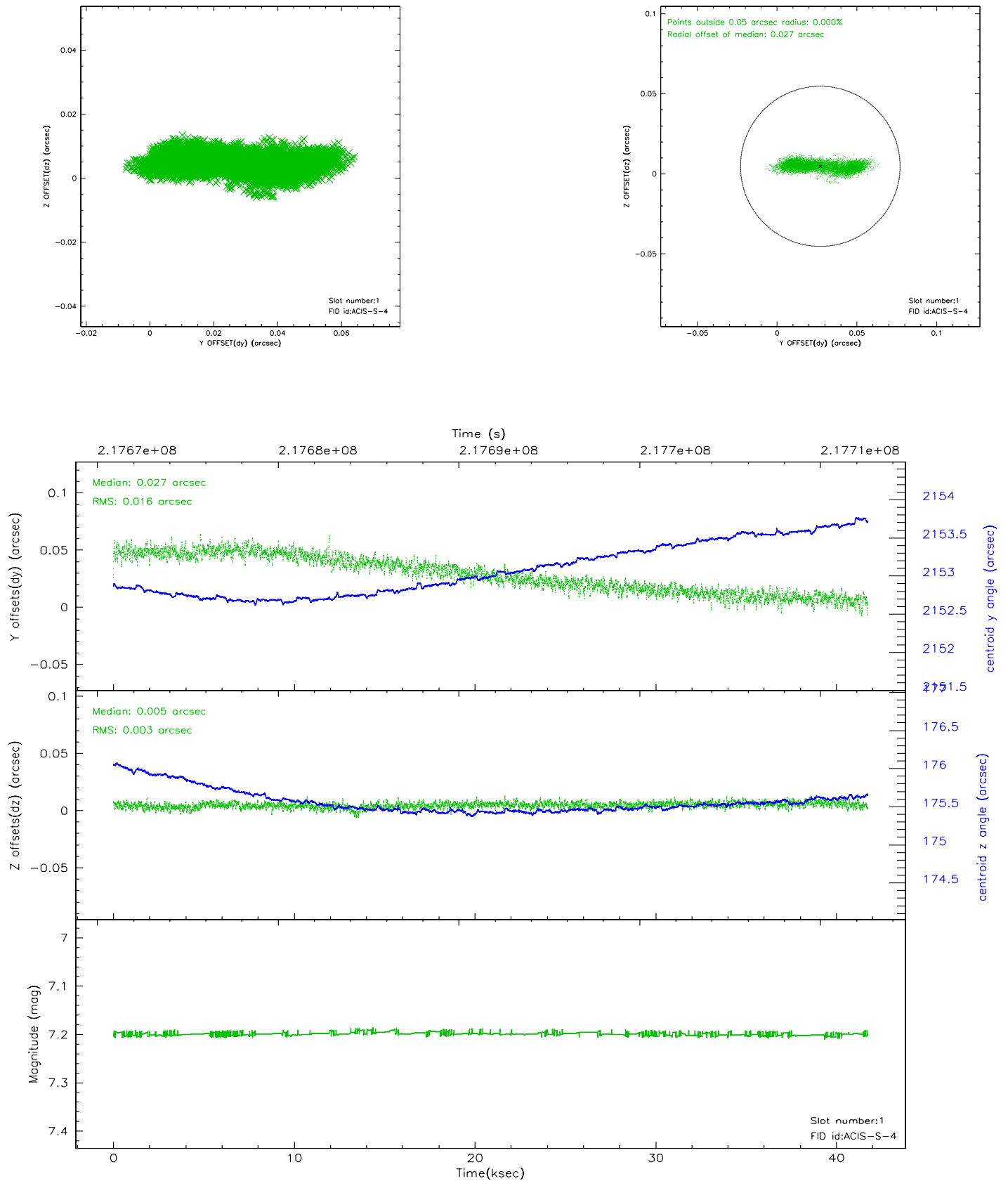


2.5 FID Slots

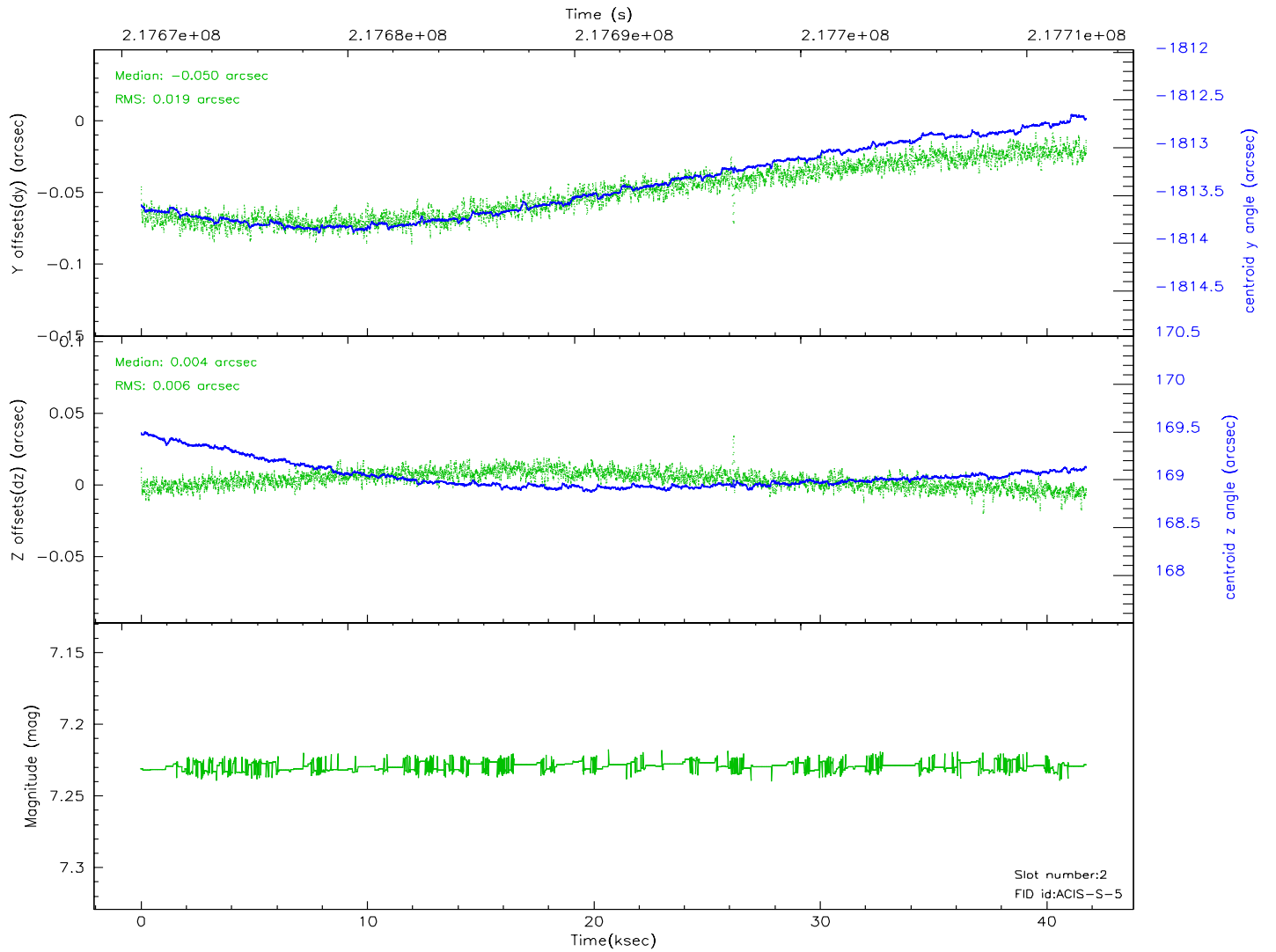
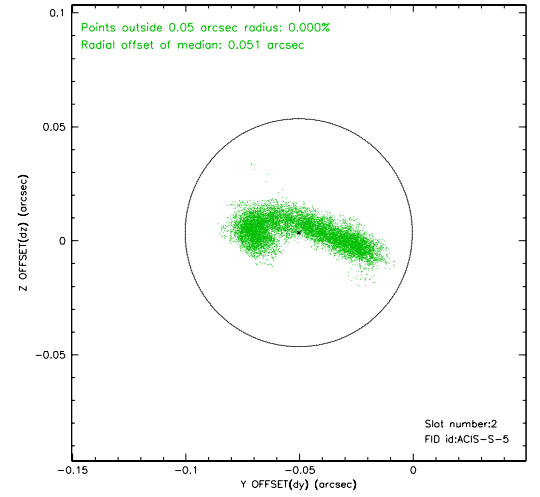
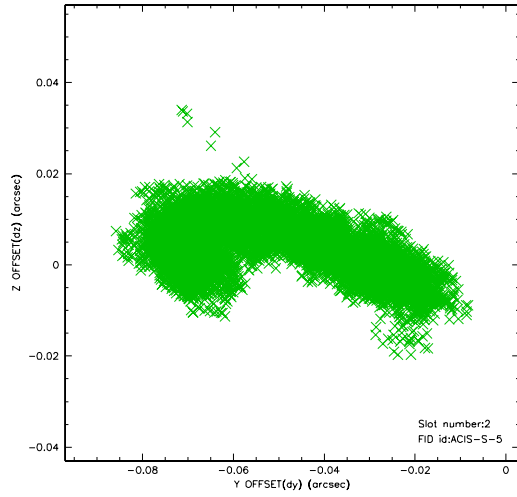
2.5.1 Slot 0



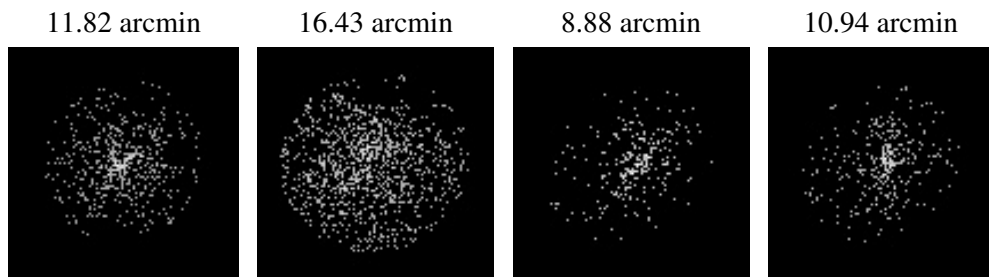
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.74399

A.2 Comments