

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1529 - L2 Version 4
Chandra X-Ray Center

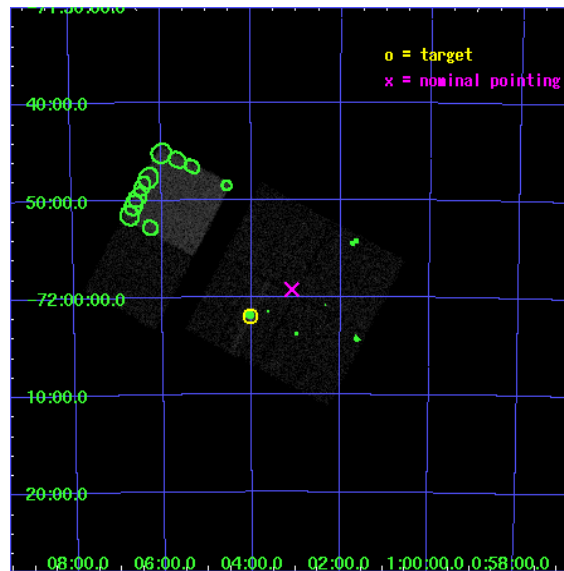
L2 Processing Date : Jul 12 2007

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1 Front

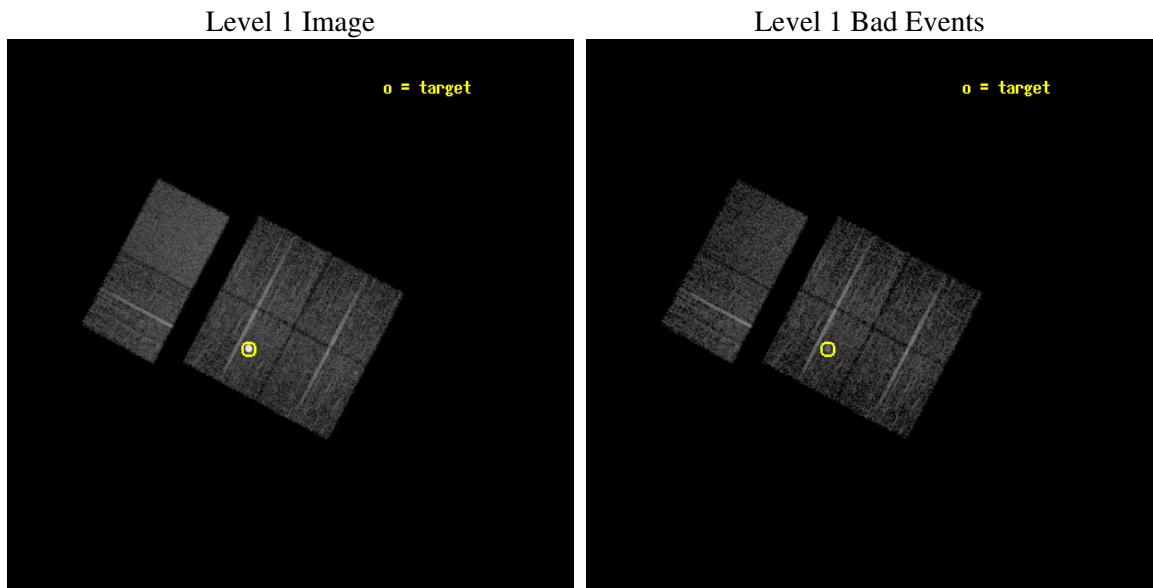
seq_num	590138
obs_id	1529
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I2, T=120, Offsets=4,2,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	15.773920557817
dec_nom	-71.986965537636
roll_nom	297.90830274579
revision	4
ontime	6960.000006482
livetime	6871.8682955911
ontime0	6960.000006482
ontime1	6960.000006482
ontime2	6960.000006482
ontime3	6960.000006482
ontime6	6956.7590462416
ontime7	6960.000006482
l2events	67759



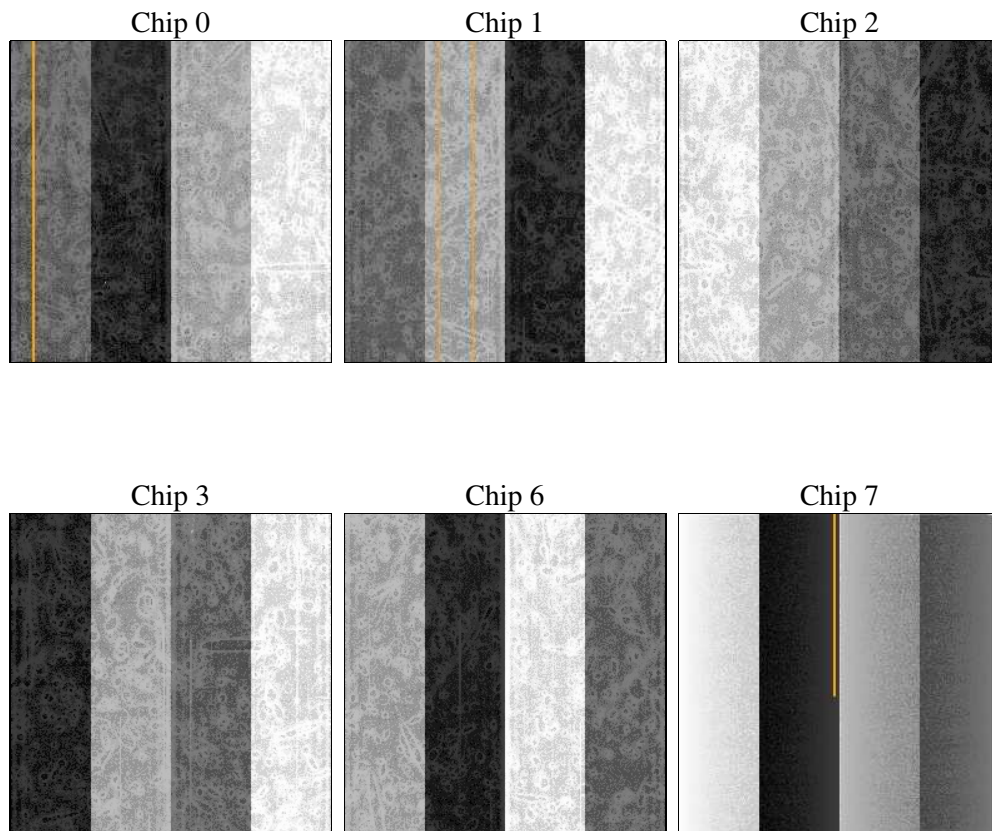
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldsver	3.4.0
date	2007-07-12T21:54:58
revision	4

sched_exp_time	7200.000000
ontime	6960.000006482
ontime0	6960.000006482
ontime1	6960.000006482
ontime2	6960.000006482
ontime3	6960.000006482
ontime6	6956.7590462416
ontime7	6960.000006482
l1events	279075

2.1.4 Events

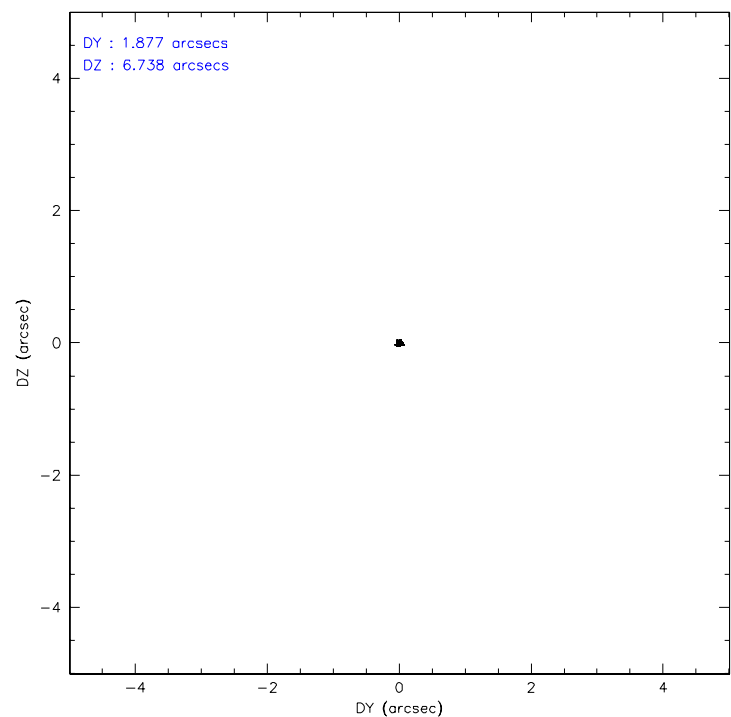
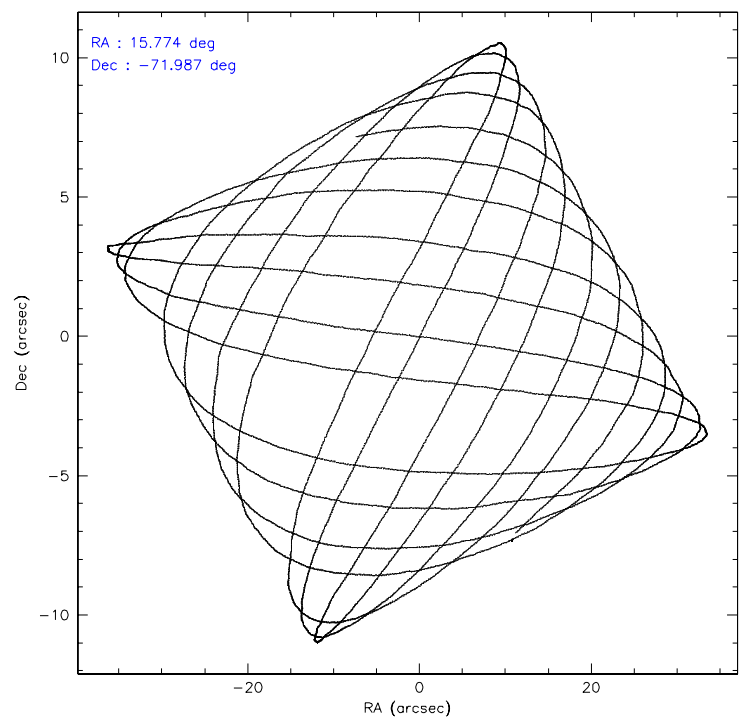
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37579	37109	67062	41204	43578	52543
rejected events	32546	31857	36391	36574	38743	30973
rejected %	86%	85%	54%	88%	88%	58%

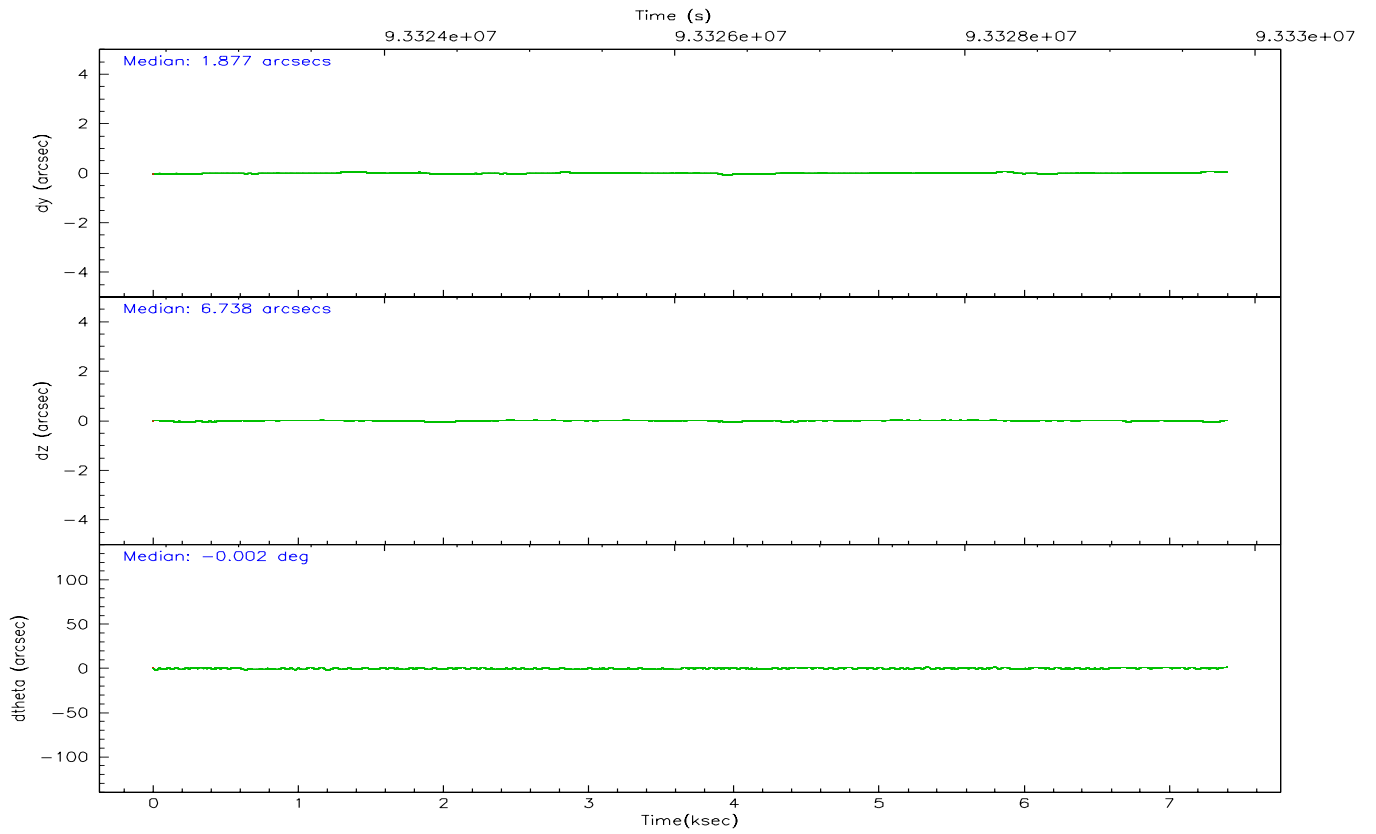
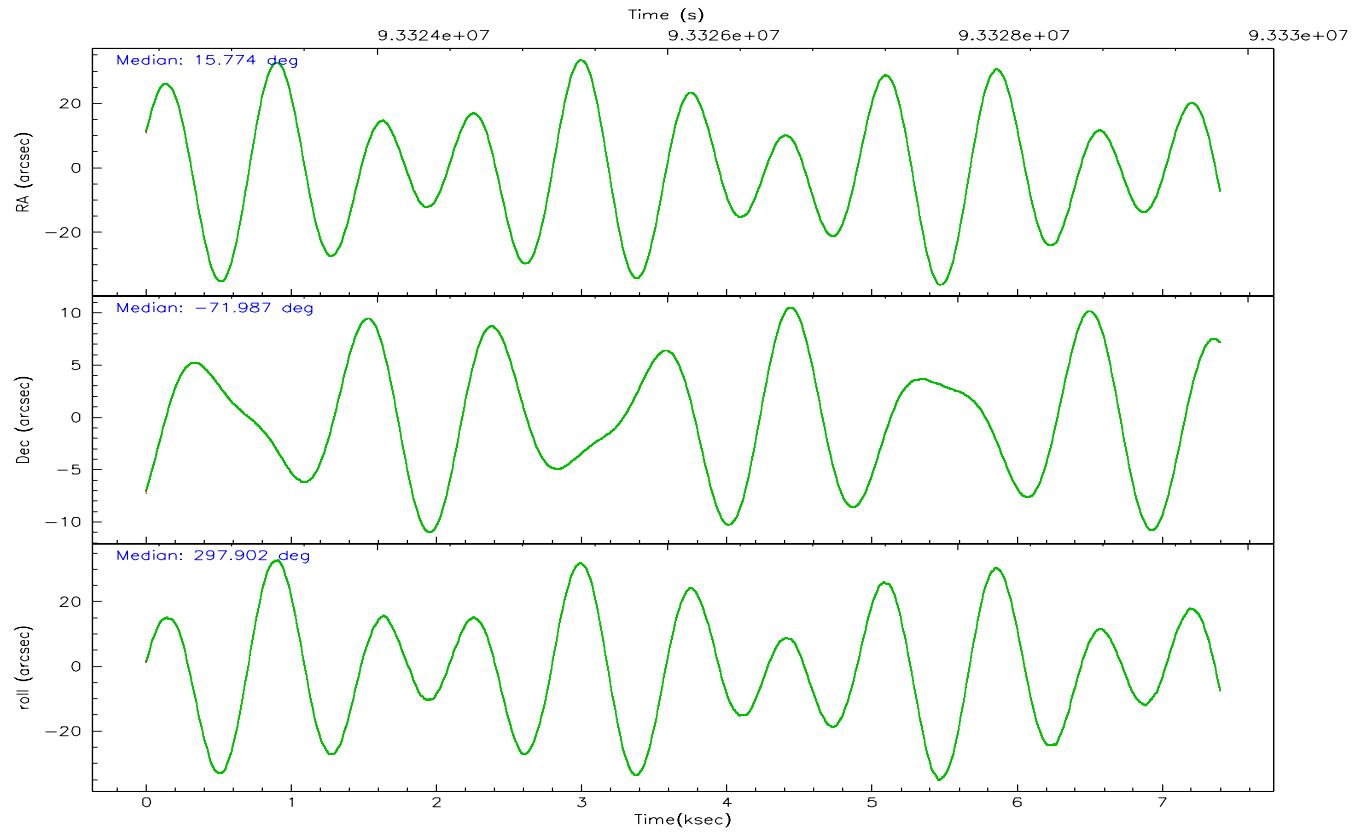
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2280	2276	25246	2091	1925	2095
	6%	6%	37%	5%	4%	3%
grade 1 events	16	22	236	22	12	62
	0%	0%	0%	0%	0%	0%
grade 2 events	1016	970	2773	876	1000	4289
	2%	2%	4%	2%	2%	8%
grade 3 events	442	510	901	420	489	1962
	1%	1%	1%	1%	1%	3%
grade 4 events	454	556	786	473	459	1945
	1%	1%	1%	1%	1%	3%
grade 5 events	1492	1575	1475	1582	1689	5015
	3%	4%	2%	3%	3%	9%
grade 6 events	843	943	992	771	965	11308
	2%	2%	1%	1%	2%	21%
grade 7 events	31036	30257	34653	34969	37039	25867
	82%	81%	51%	84%	84%	49%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	15.698501	15.7739205578173	Subarray requested	NONE	NONE
Pointing Dec	-71.972329	-71.98696553763595	Alternating exposures requested	N	N
Pointing Roll	297.627899	297.9083027457913	Primary exposure time	0.000000	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	93322607.184000	93322231.636259			
Observation start date	2000-12-16T02:55:43	2000-12-16T02:50:31			
Observation end time	93329807.184000	93330475.711574			
Observation end date	2000-12-16T04:55:43	2000-12-16T05:07:55			
Read mode	TIMED	TIMED			

2.3 Aspect



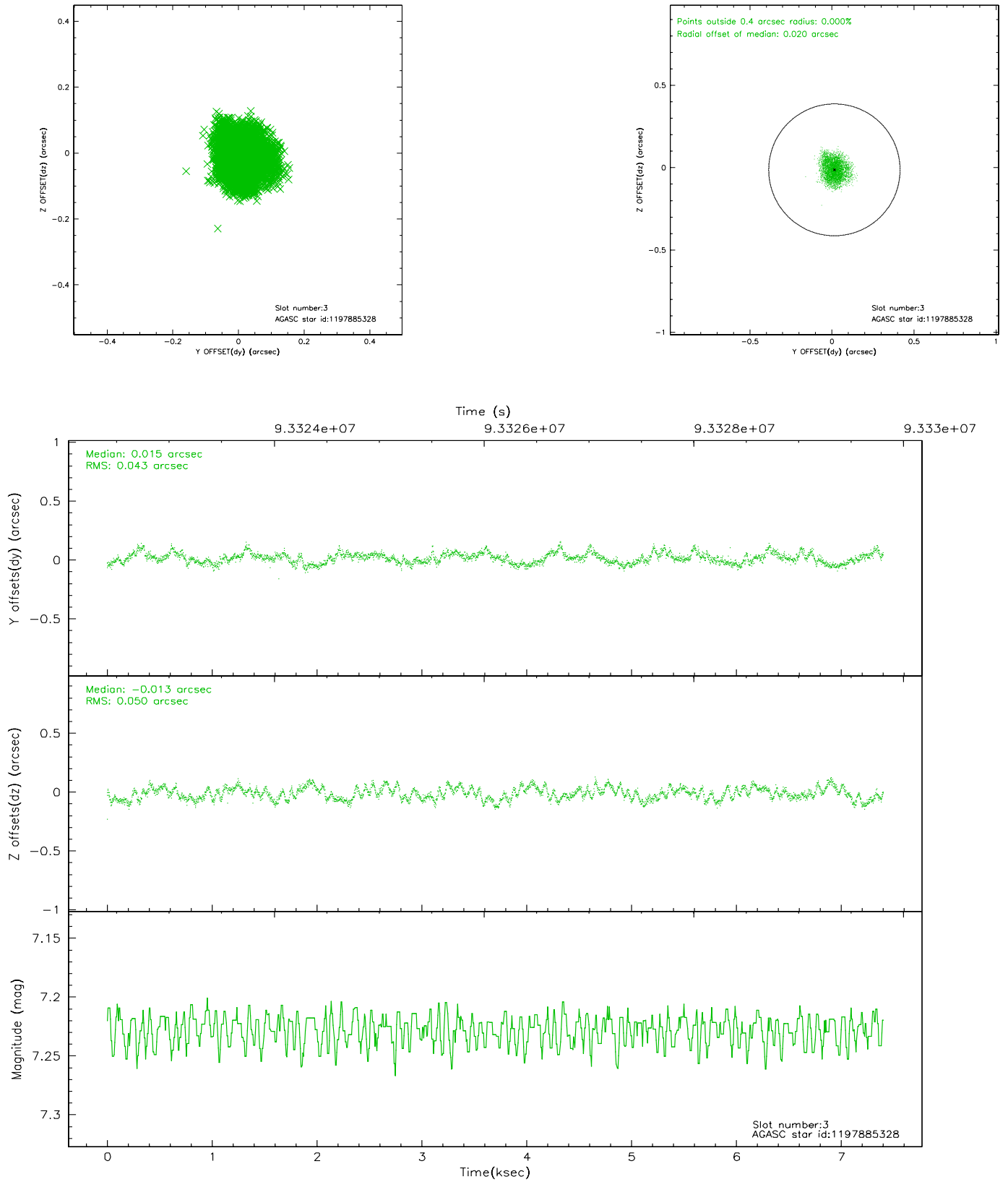


Slot Statistics

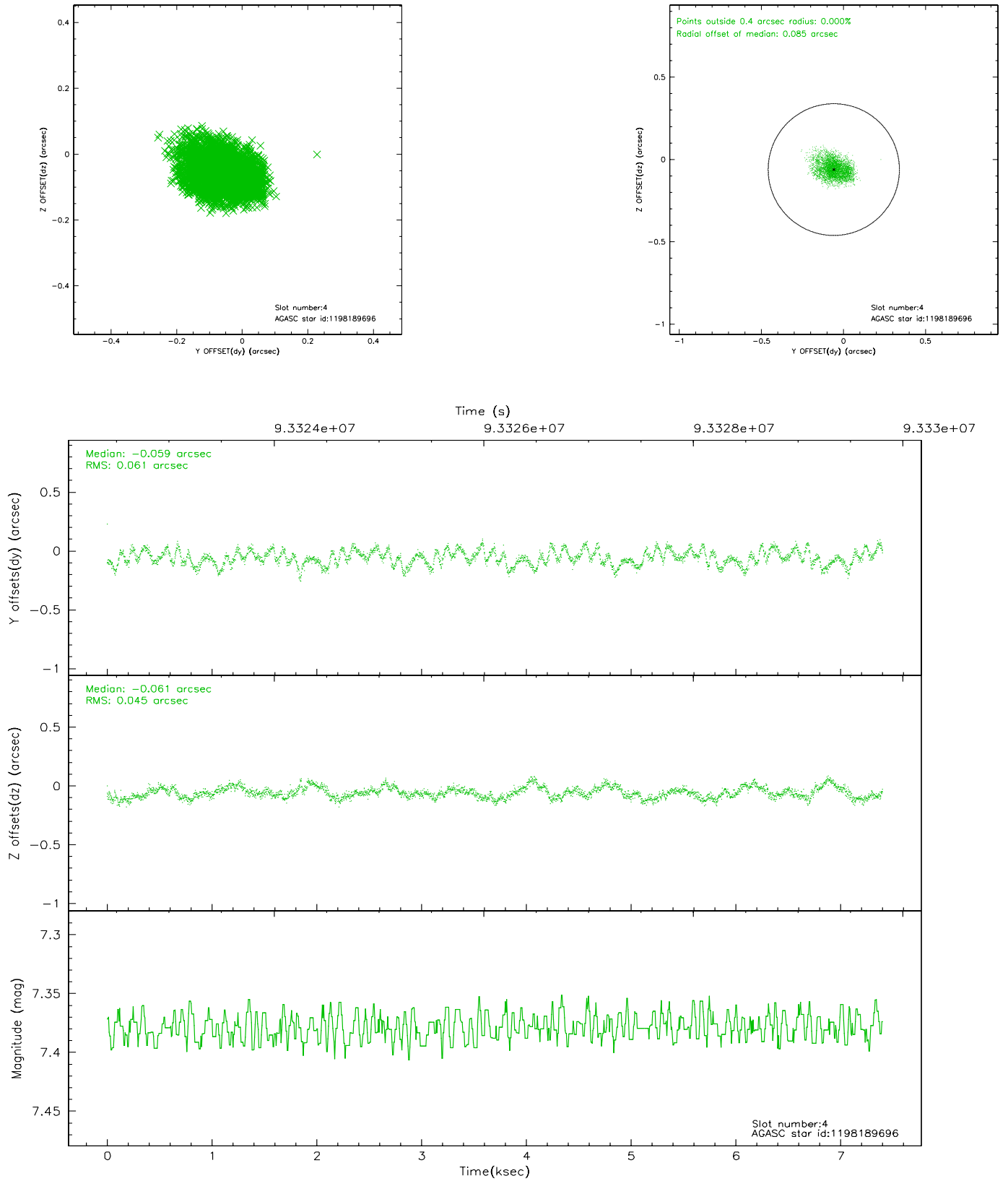
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1806	-0.028	-0.048	0.008	0.014	0.000000	0.000000	-756.25	-836.54
1	FID	ACIS-I-4	7.18	1805	-0.070	0.038	0.005	0.009	0.000000	0.000000	2157.41	1069.35
2	FID	ACIS-I-5	7.23	1805	-0.003	0.080	0.008	0.014	0.000000	0.000000	-1809.06	1068.10
3	GUIDE	1197885328	7.23	3610	0.015	-0.013	0.073	0.110	16.283090	-71.733943	-452.01	980.58
4	GUIDE	1198189696	7.38	3611	-0.059	-0.061	0.083	0.129	15.223750	-72.697522	2078.86	-1661.88
5	GUIDE	1197750936	7.56	3611	-0.040	-0.067	0.074	0.110	15.387940	-71.549550	-1511.50	390.83
6	GUIDE	1197884536	8.46	3612	-0.020	0.112	0.237	0.358	17.160729	-71.835289	340.56	1673.23
7	GUIDE	1197884712	8.30	3611	0.101	0.049	0.076	0.118	16.087398	-72.252690	1093.25	-90.28

2.4 Star Slots

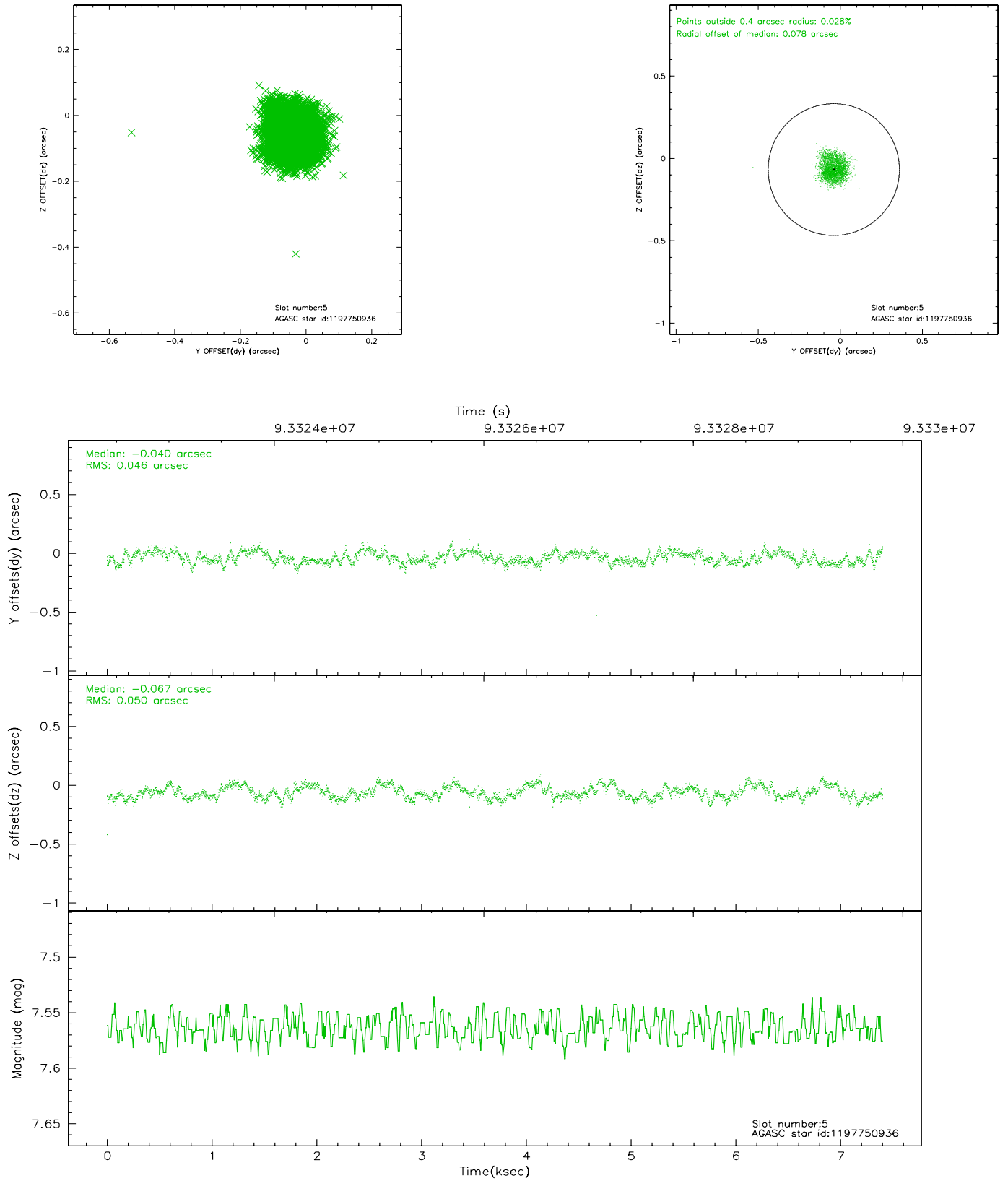
2.4.1 Slot 3



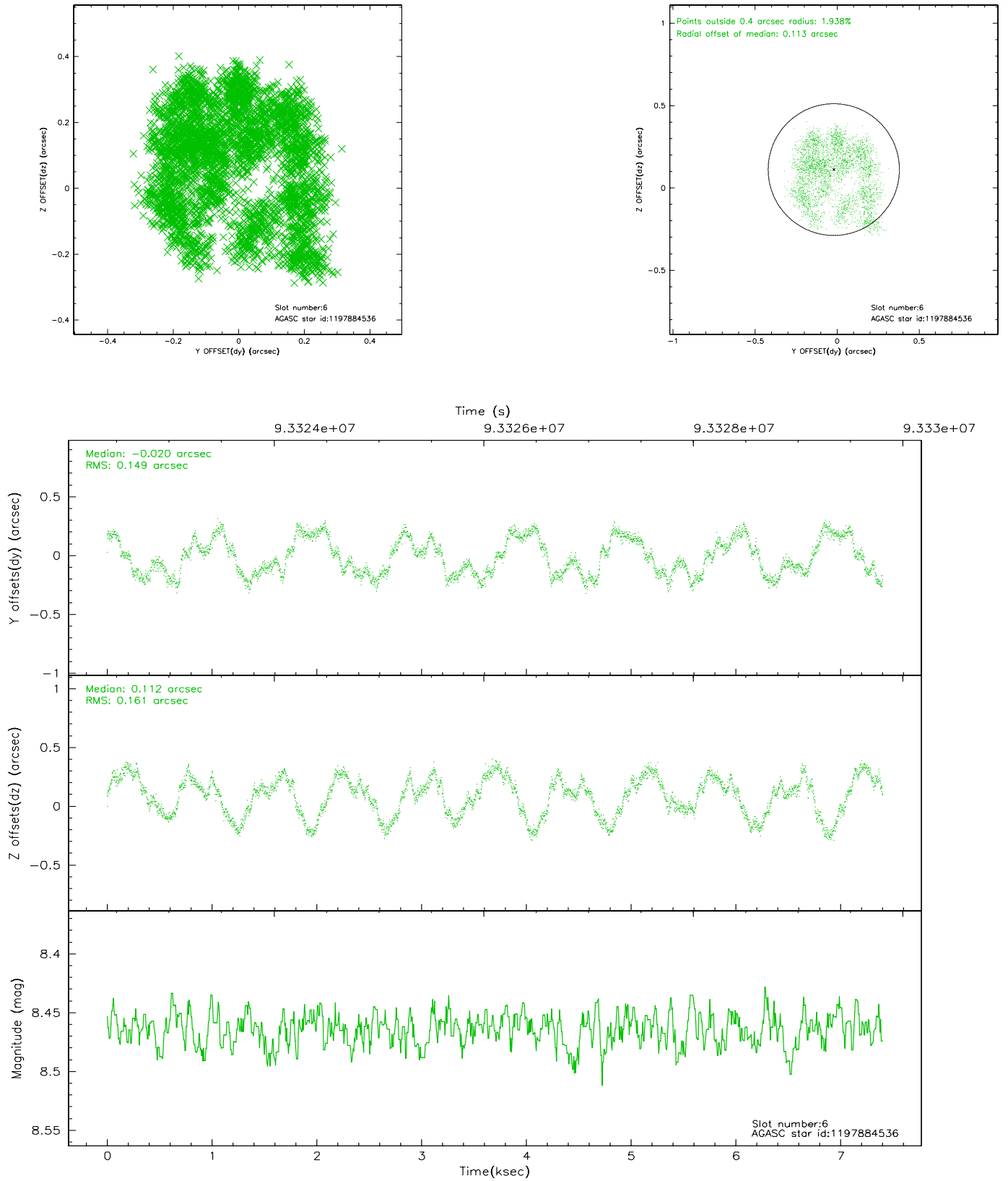
2.4.2 Slot 4



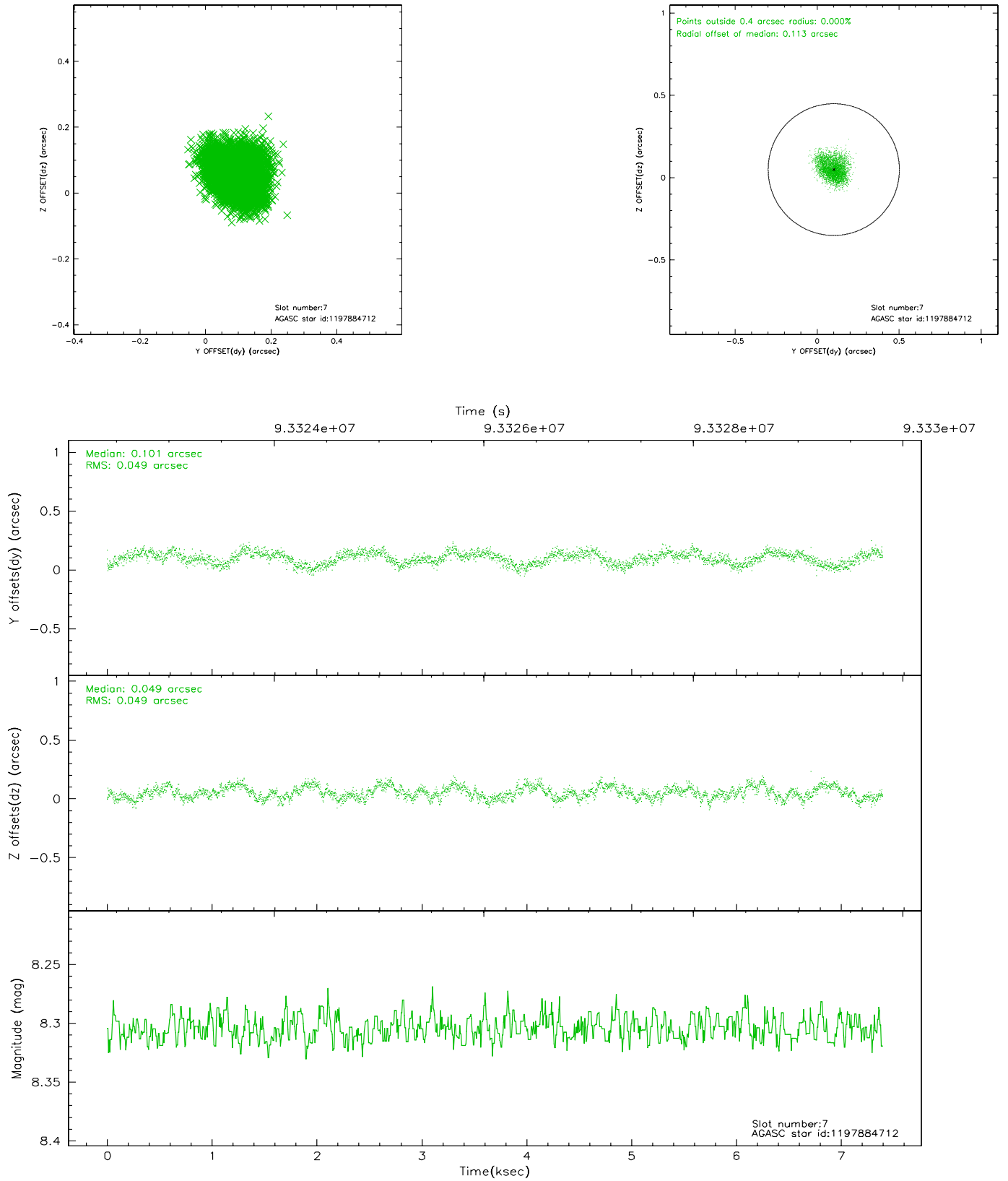
2.4.3 Slot 5



2.4.4 Slot 6

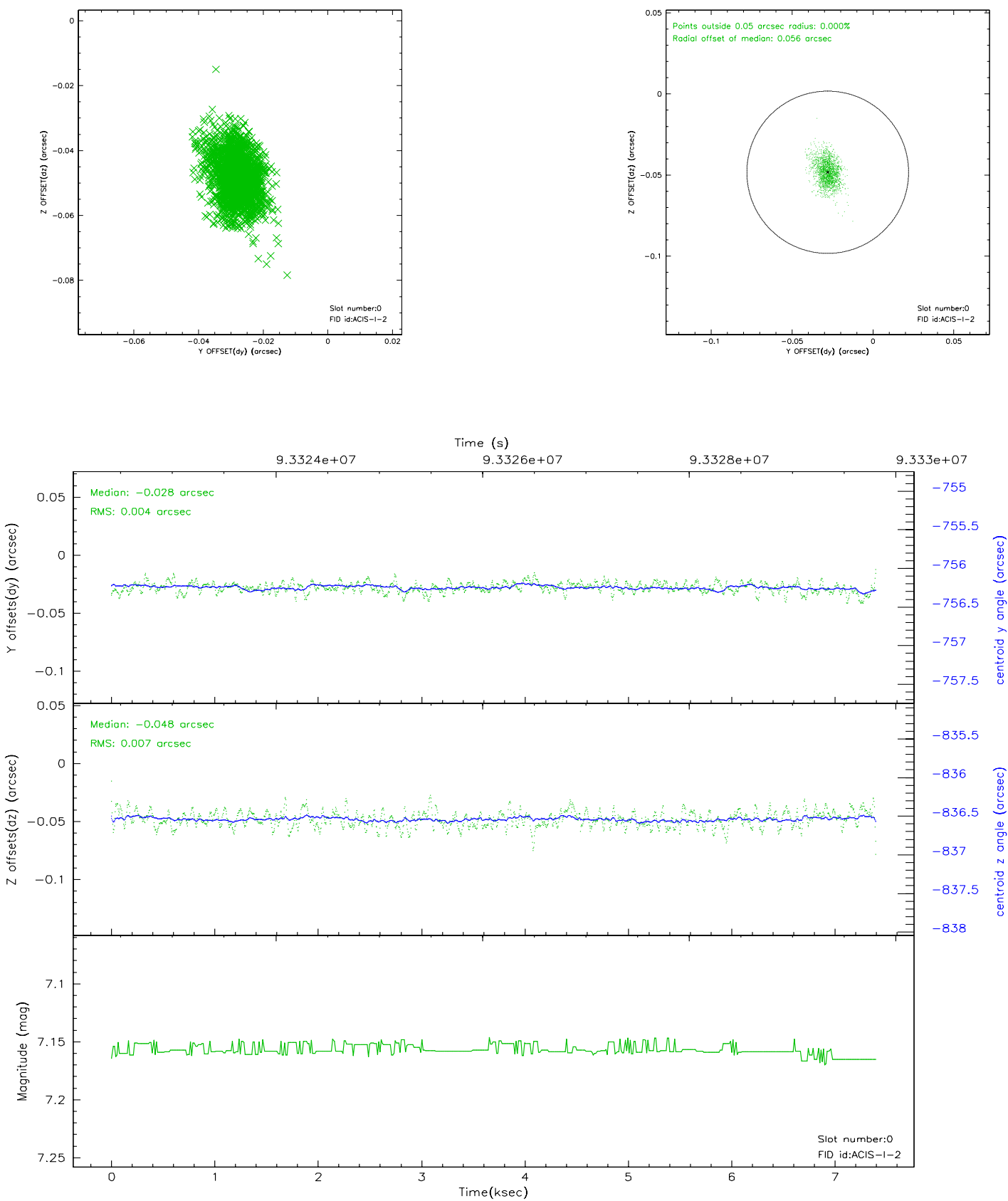


2.4.5 Slot 7

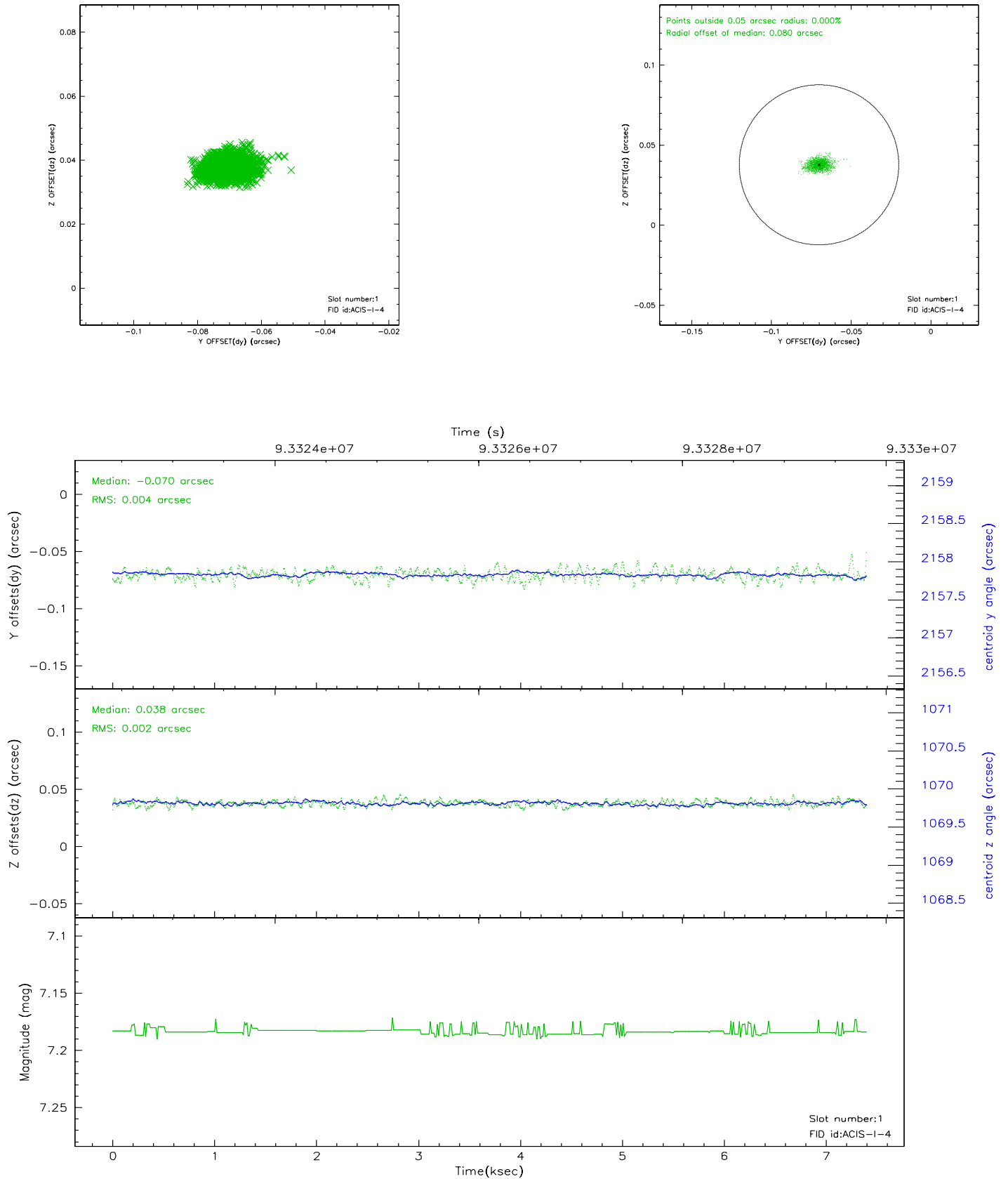


2.5 FID Slots

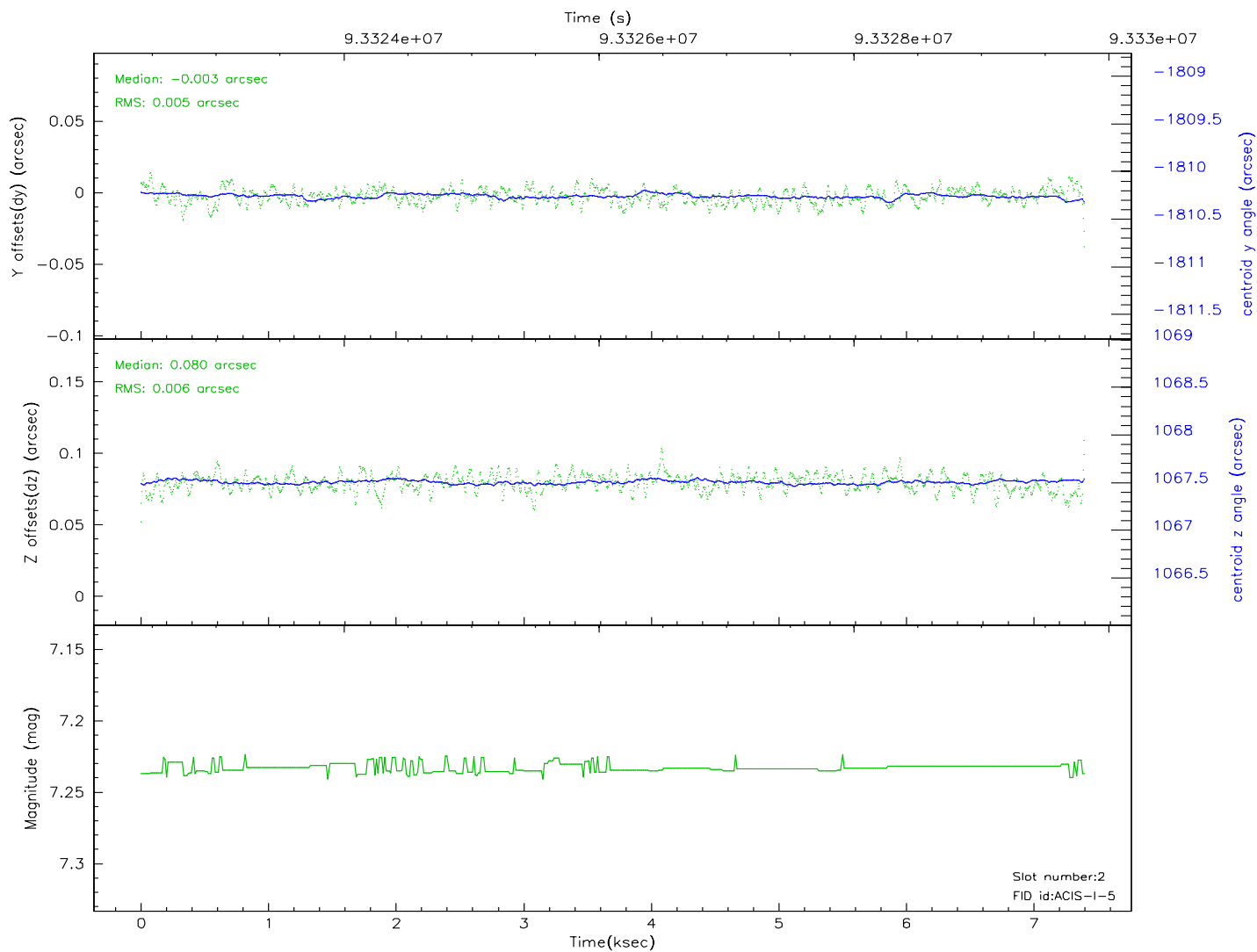
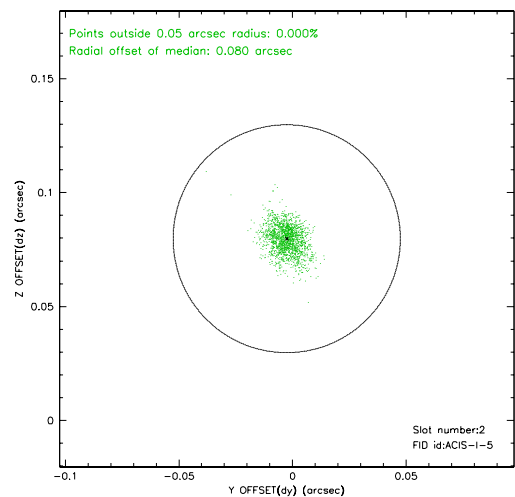
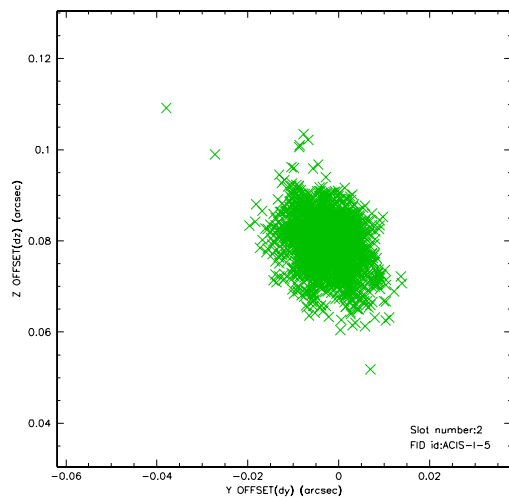
2.5.1 Slot 0



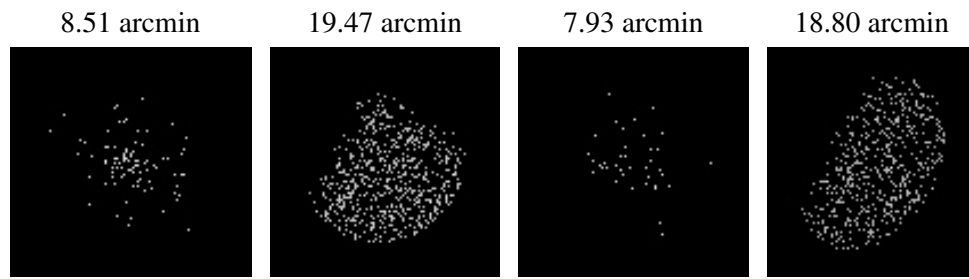
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.963

A.2 Comments

Window constraint met.