

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2070 - L2 Version 001
Chandra X-Ray Center

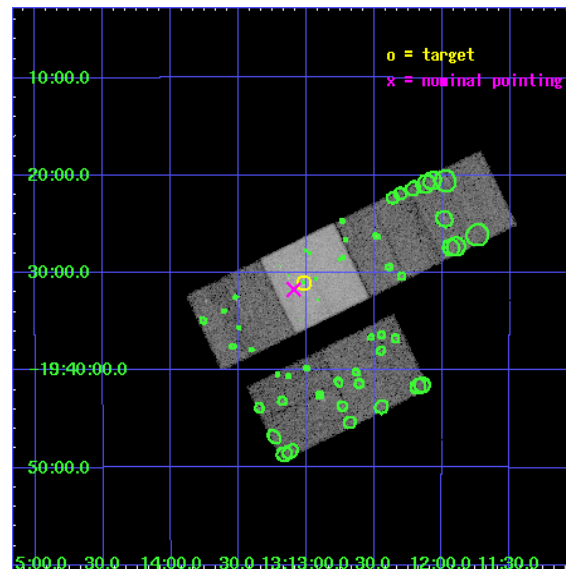
L2 Processing Date : Nov 14 2006

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1 Front

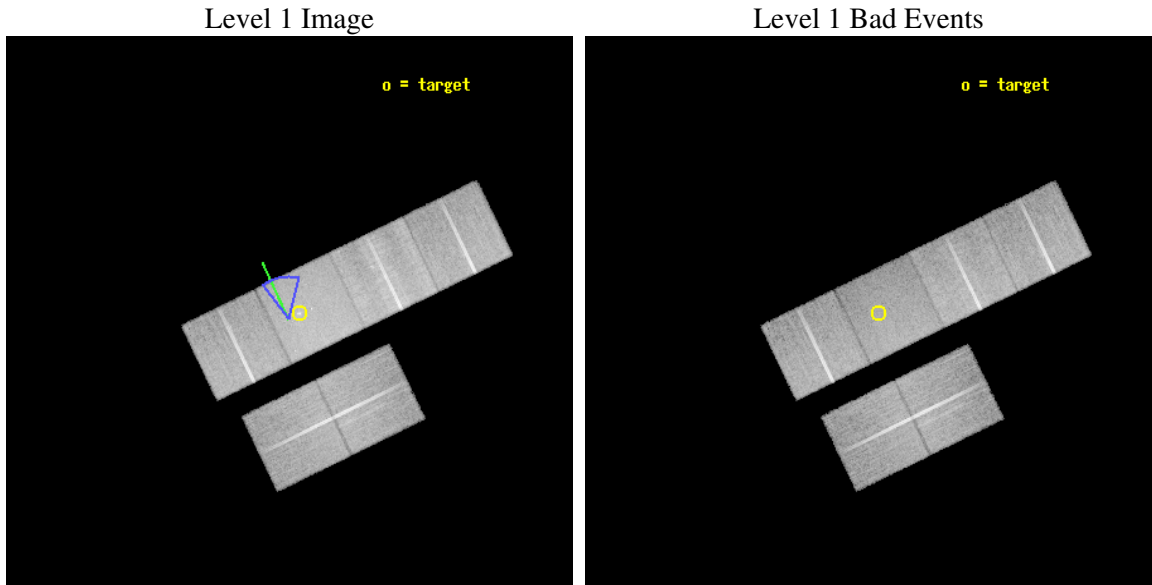
seq_num	600204
obs_id	2070
title	YOUNG ELLIPTICAL GALAXIES AND THE EVOLUTION OF THE HOT INTERSTELLAR MEDIUM
observer	Prof. Thomas Statler
object	NGC 5018
dtcycle	0
cycle	P
ra_targ	198.254167
dec_targ	-19.518056
ra_nom	198.27318725137
dec_nom	-19.528762735618
roll_nom	334.06133707418
revision	2
ontime	31286.400029138
livetime	30890.23279356
ontime2	31283.159068882
ontime3	31286.400029138
ontime6	31286.400029138
ontime7	31286.400029138
ontime8	31286.400029138
ontime9	31286.400029138
l2events	182526



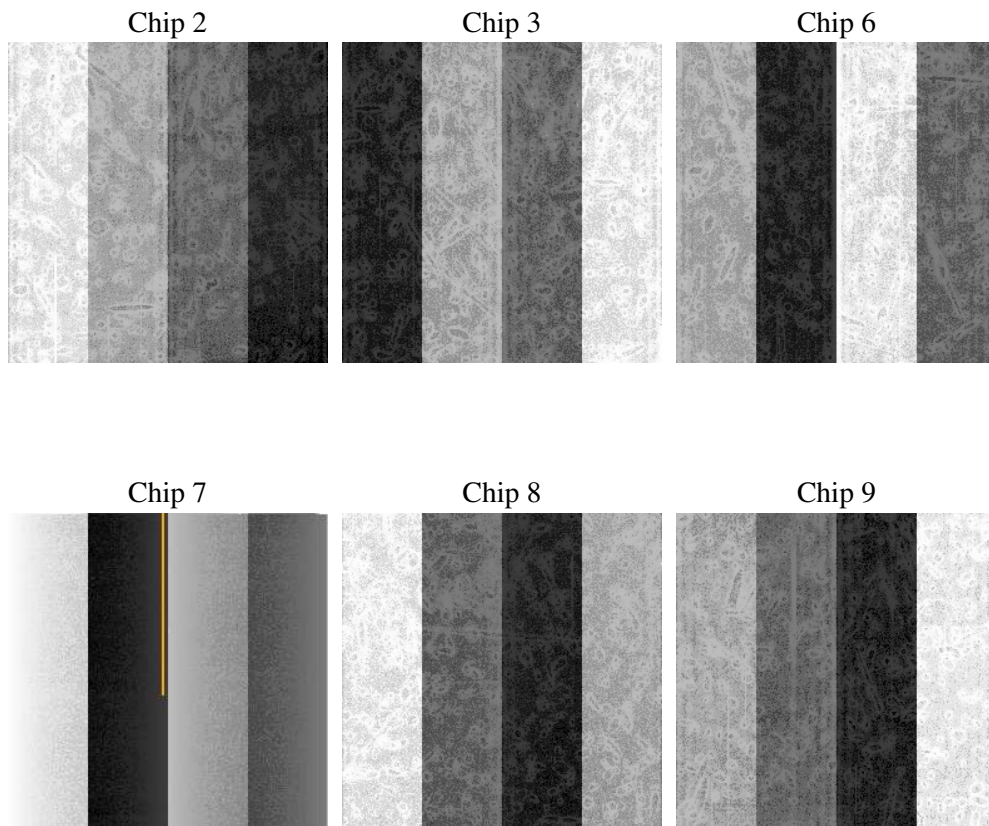
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-14T17:19:51
revision	2

sched_exp_time	31330.000000
ontime	31291.877812237
ontime2	31288.636832058
ontime3	31291.877812237
ontime6	31291.877812237
ontime7	31291.877812237
ontime8	31291.877812237
ontime9	31291.877812237
l1events	1108936

2.1.4 Events

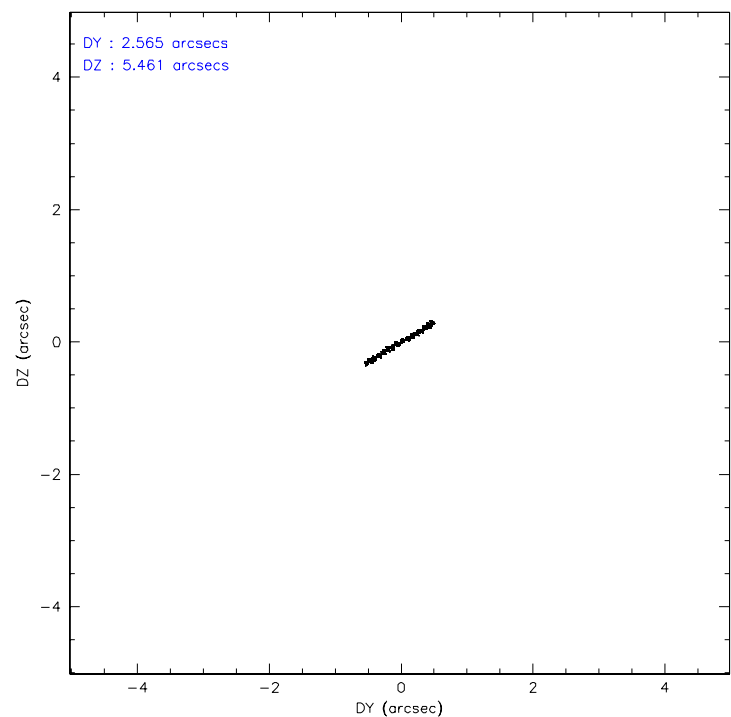
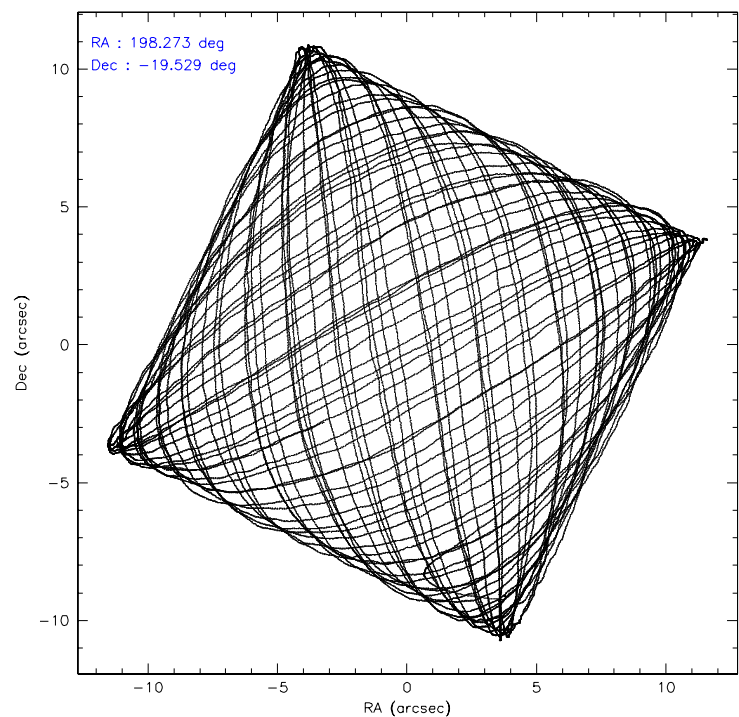
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	158667	163445	173709	217888	223356	171871
rejected events	138230	143286	151764	129306	170090	149482
rejected %	87%	87%	87%	59%	76%	86%

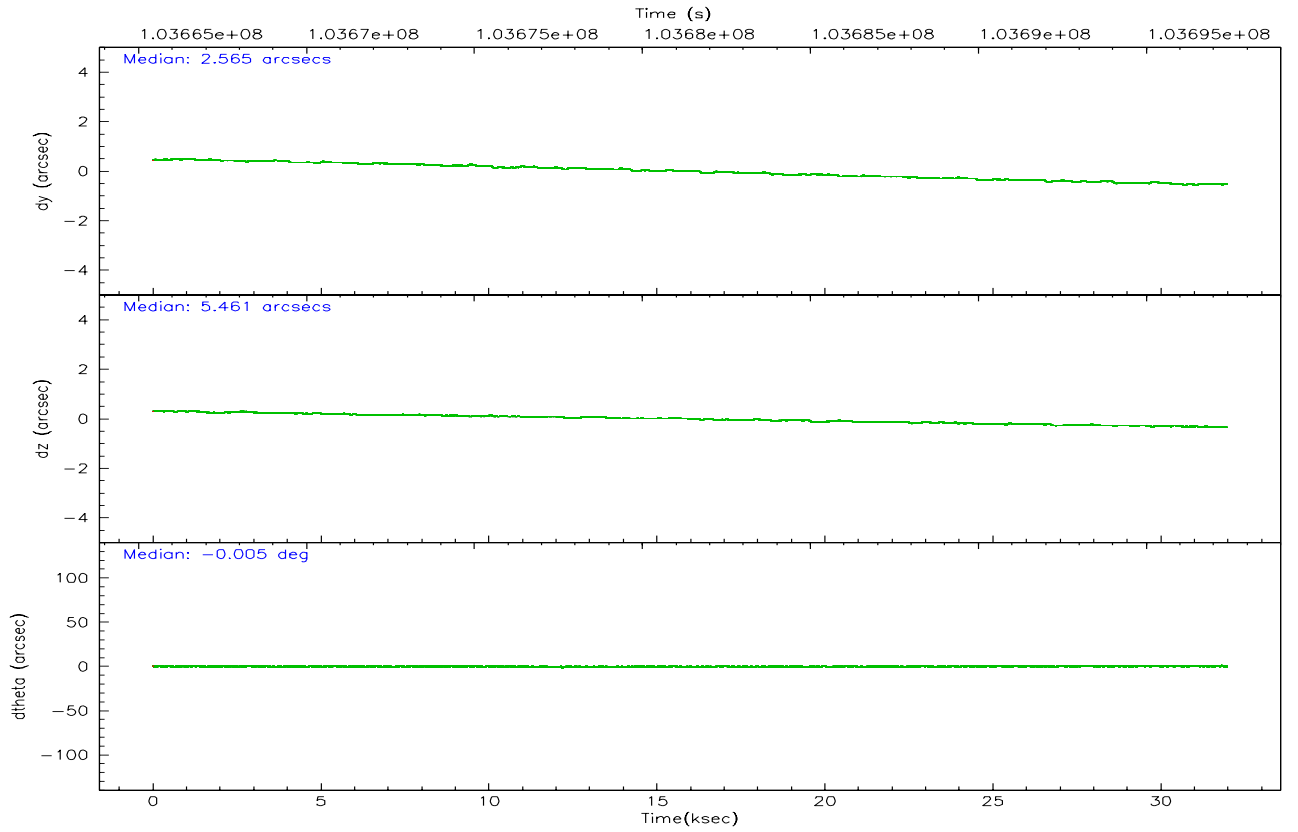
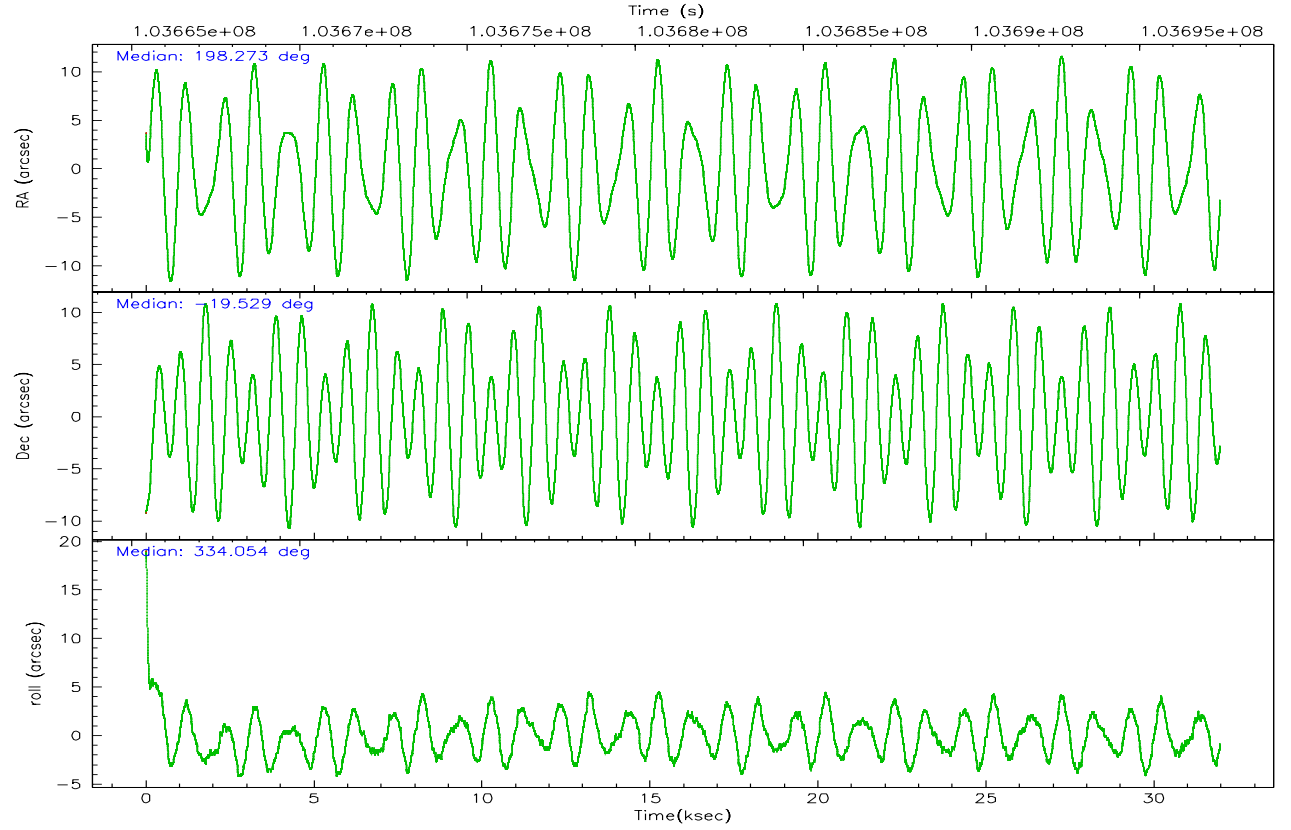
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	9178	8777	9350	6725	17349	9474
	5%	5%	5%	3%	7%	5%
grade 1 events	68	64	74	121	138	90
	0%	0%	0%	0%	0%	0%
grade 2 events	4249	4210	4466	21431	10411	4659
	2%	2%	2%	9%	4%	2%
grade 3 events	1776	1778	1983	5069	6432	1994
	1%	1%	1%	2%	2%	1%
grade 4 events	1810	1938	1953	4944	5904	1911
	1%	1%	1%	2%	2%	1%
grade 5 events	5366	6212	6990	14295	8954	7284
	3%	3%	4%	6%	4%	4%
grade 6 events	3429	3467	4196	50433	13172	4353
	2%	2%	2%	23%	5%	2%
grade 7 events	132791	136999	144697	114870	160996	142106
	83%	83%	83%	52%	72%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-236789	ACIS-236789	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	198.244319	198.2731872513735	Subarray requested	NONE	NONE
Pointing Dec	-19.530954	-19.52876273561833	Alternating exposures requested	N	N
Pointing Roll	333.895049	334.0613370741804	Primary exposure time	0.000000	3.2
Roll angle	348.000000	348.000000			
Roll tolerance	25.000000	25.000000			
Roll constraint allows 180D rotation	N	N			
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	103666079.184000	103664893.05978			
Observation start date	2001-04-14T20:06:55	2001-04-14T19:48:13			
Observation end time	103697409.184000	103697961.09856			
Observation end date	2001-04-15T04:49:05	2001-04-15T04:59:21			
Read mode	TIMED	TIMED			

2.3 Aspect



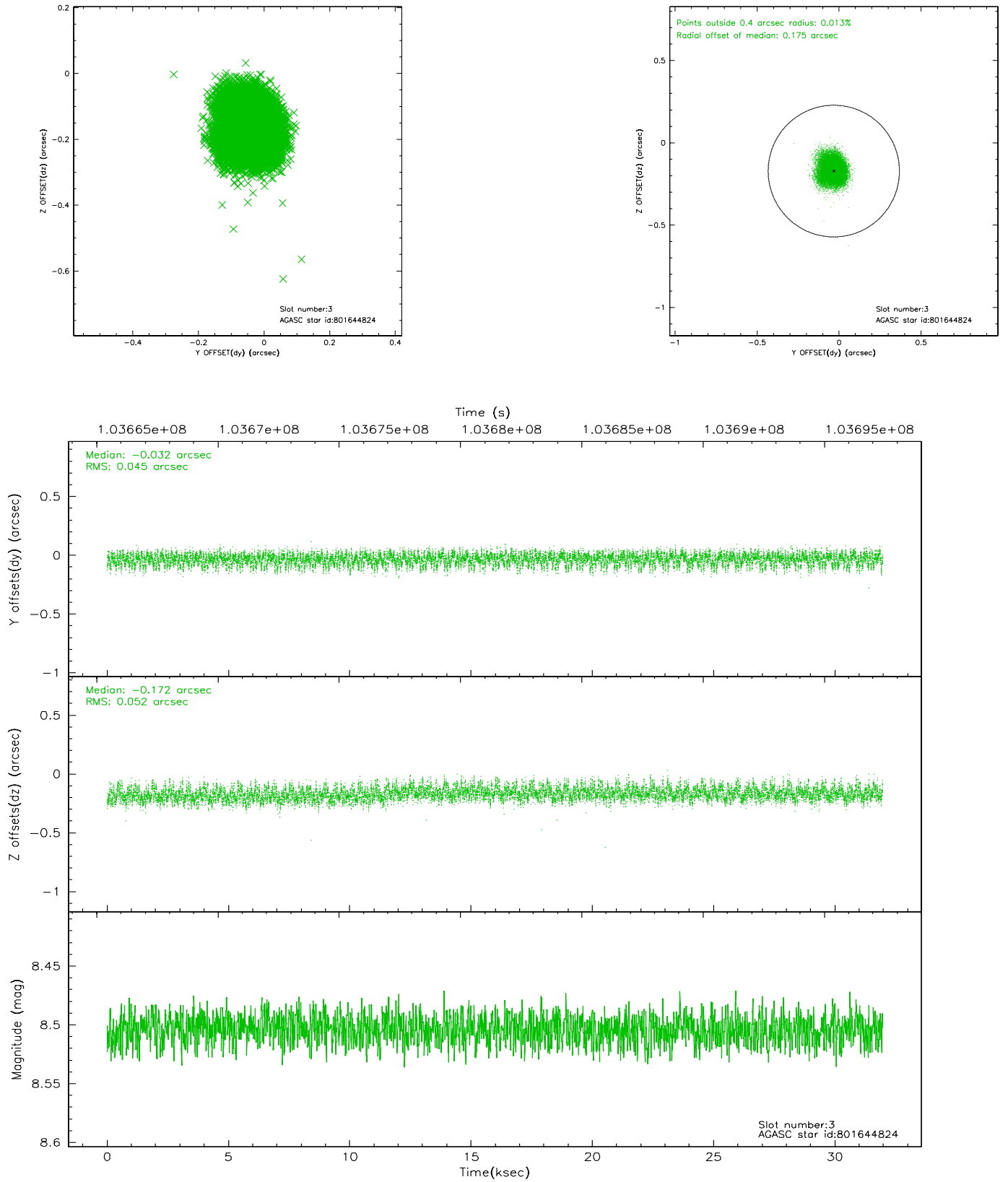


Slot Statistics

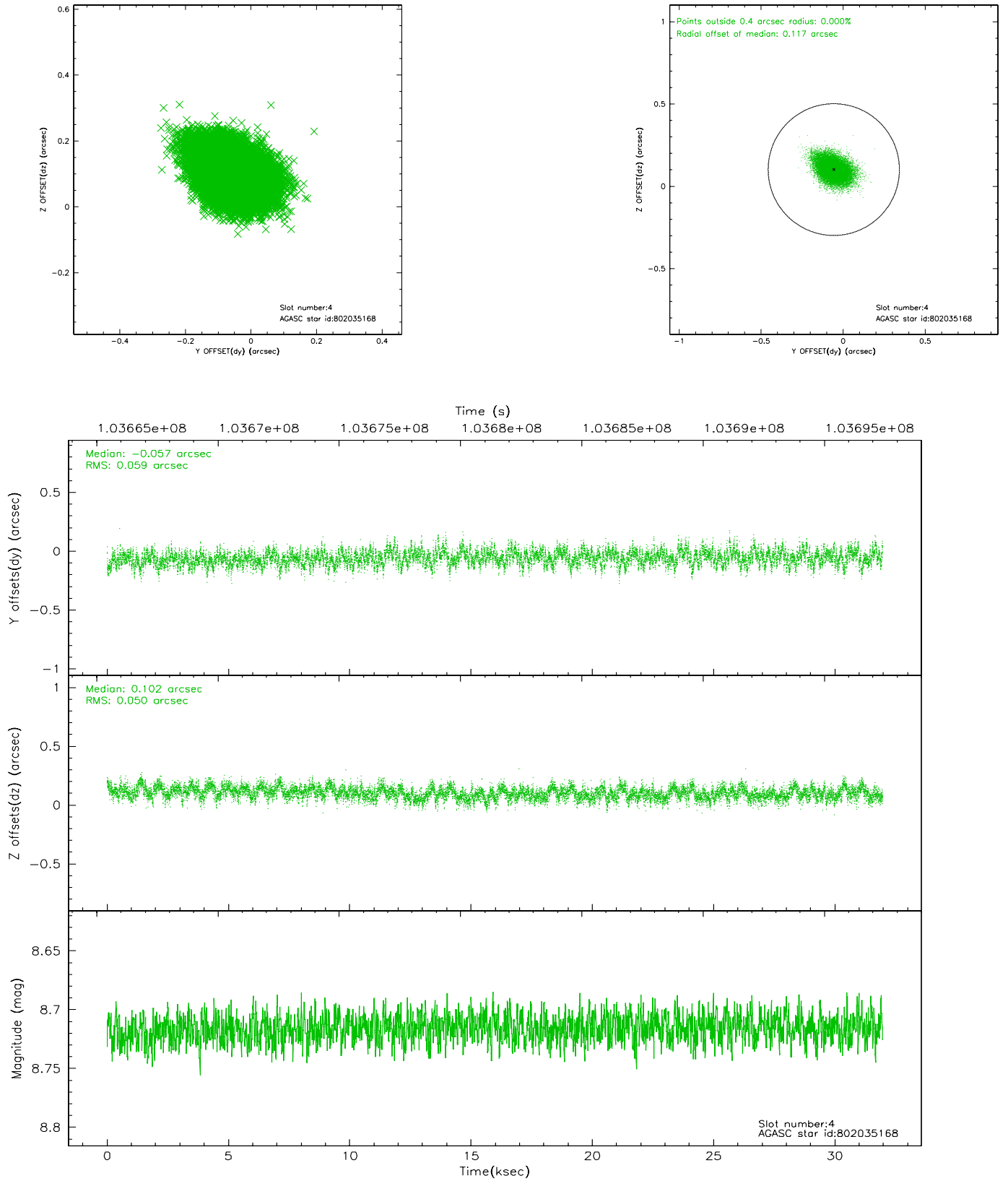
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7799	-0.026	0.022	0.015	0.025	0.000000	0.000000	-755.16	-1726.57
1	FID	ACIS-S-4	7.20	7797	-0.068	0.007	0.015	0.023	0.000000	0.000000	2158.00	181.91
2	FID	ACIS-S-5	7.24	7798	0.062	-0.020	0.008	0.014	0.000000	0.000000	-1807.89	175.52
3	GUIDE	801644824	8.50	15593	-0.032	-0.172	0.073	0.118	198.740363	-19.034769	730.75	2343.88
4	GUIDE	802035168	8.72	15591	-0.057	0.102	0.081	0.134	198.342818	-20.271560	1472.30	-2248.25
5	GUIDE	801644872	9.23	15594	0.000	0.039	0.072	0.120	198.319234	-19.753800	581.18	-609.54
6	GUIDE	801645648	9.26	15594	0.077	0.103	0.082	0.132	197.743817	-19.496149	-1579.03	-637.95
7	GUIDE	801644296	9.40	15587	0.016	-0.075	0.072	0.118	197.878729	-19.305440	-1472.11	180.27

2.4 Star Slots

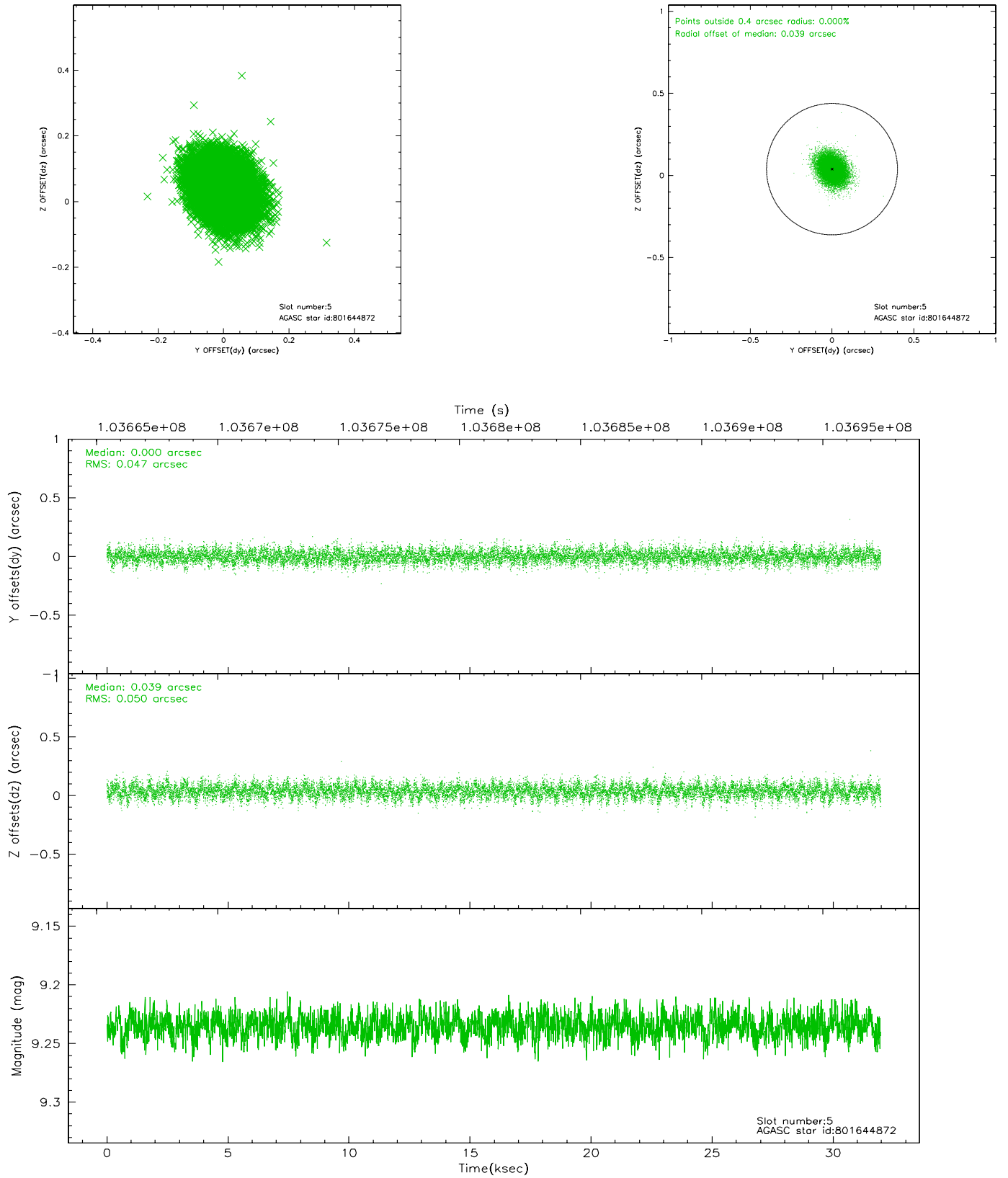
2.4.1 Slot 3



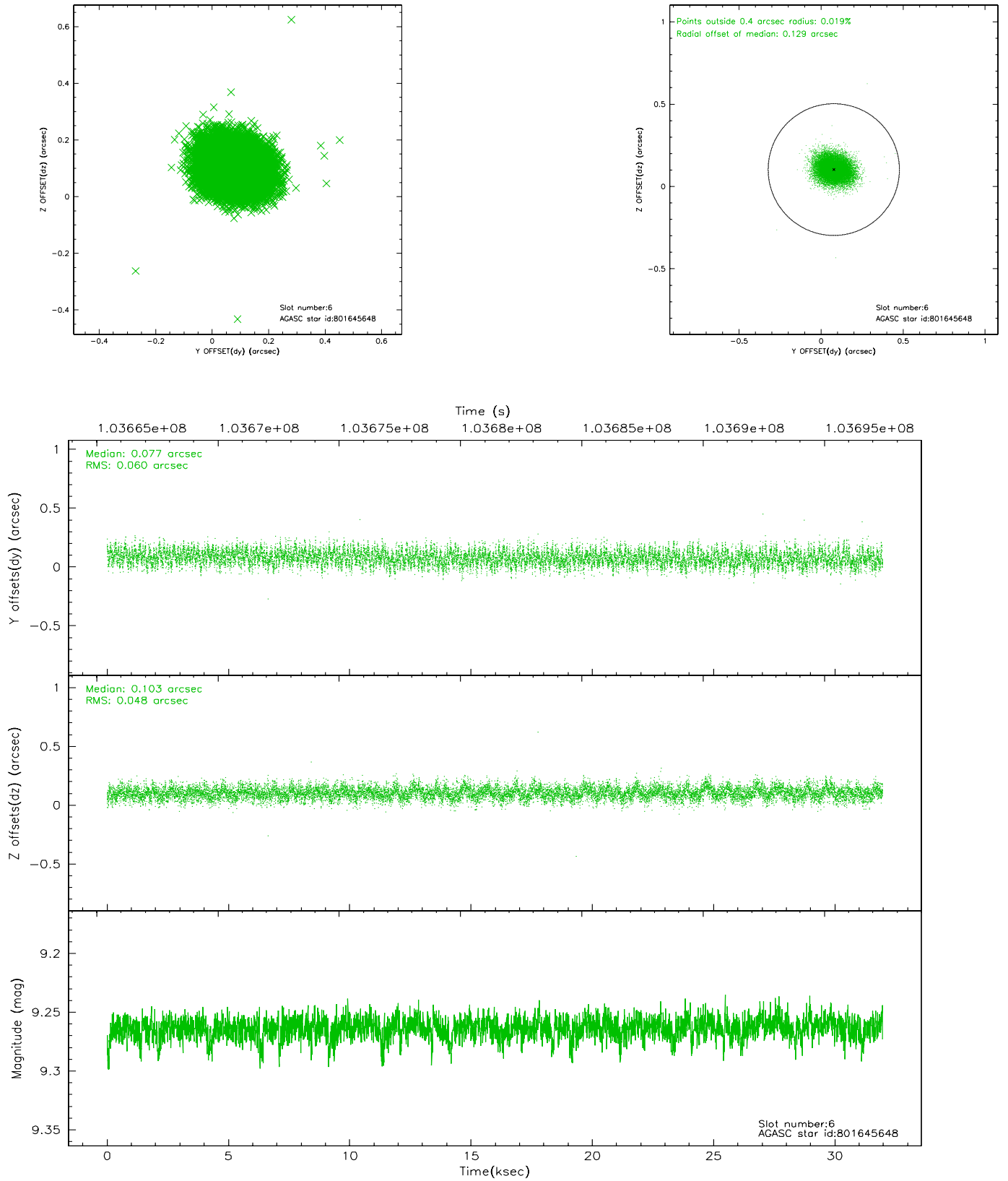
2.4.2 Slot 4



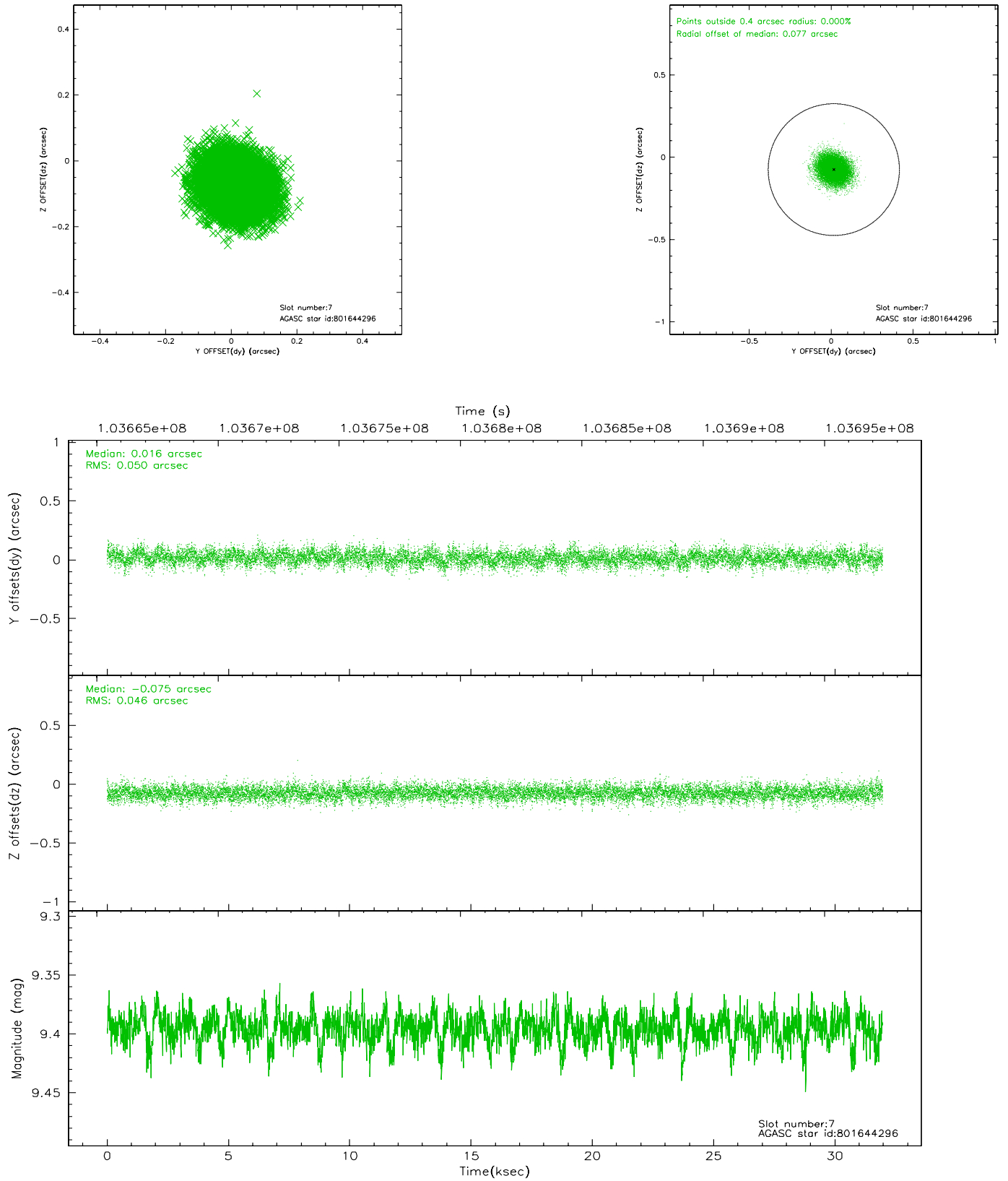
2.4.3 Slot 5



2.4.4 Slot 6

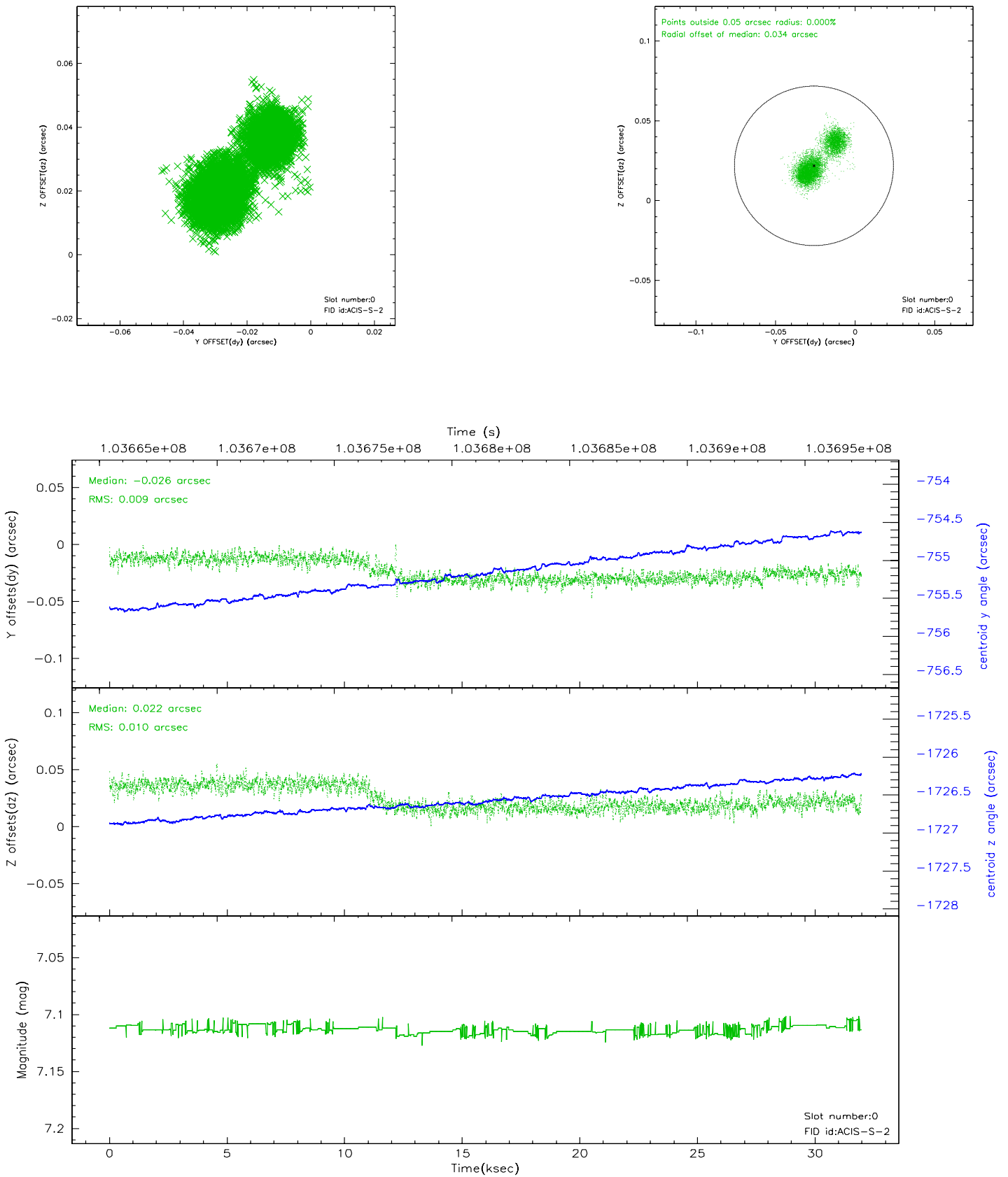


2.4.5 Slot 7

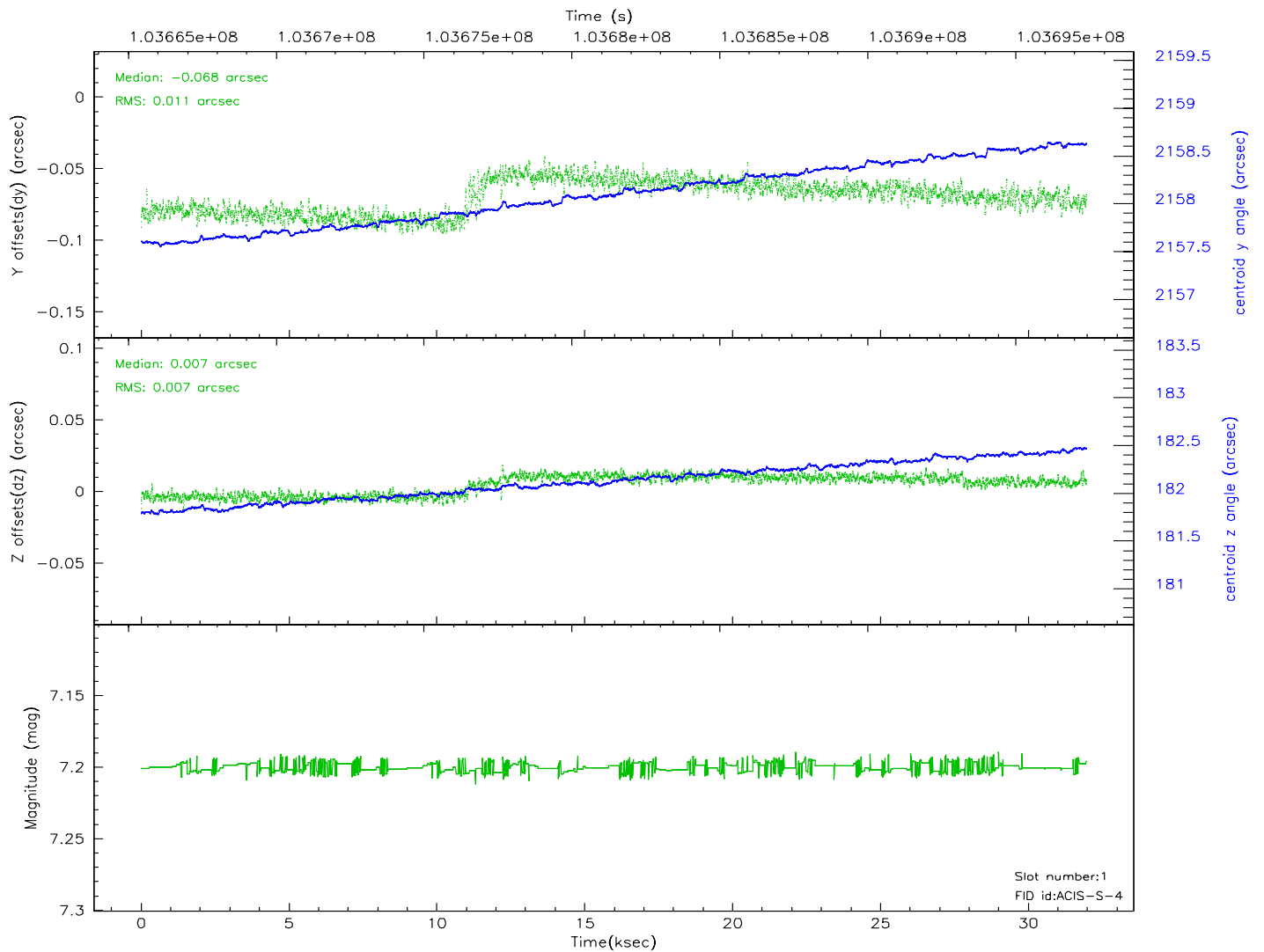
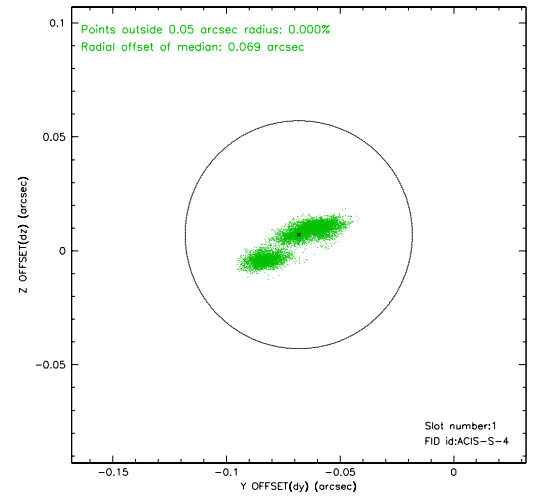
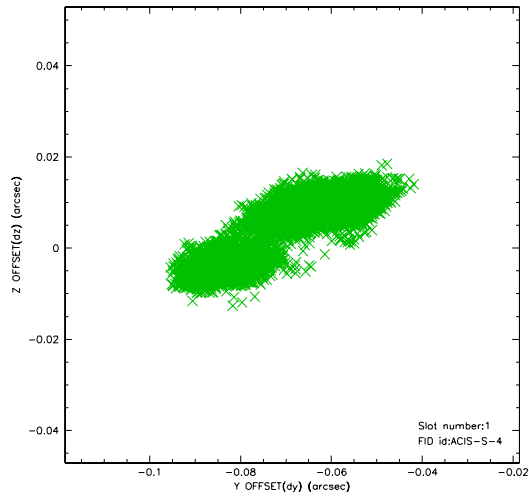


2.5 FID Slots

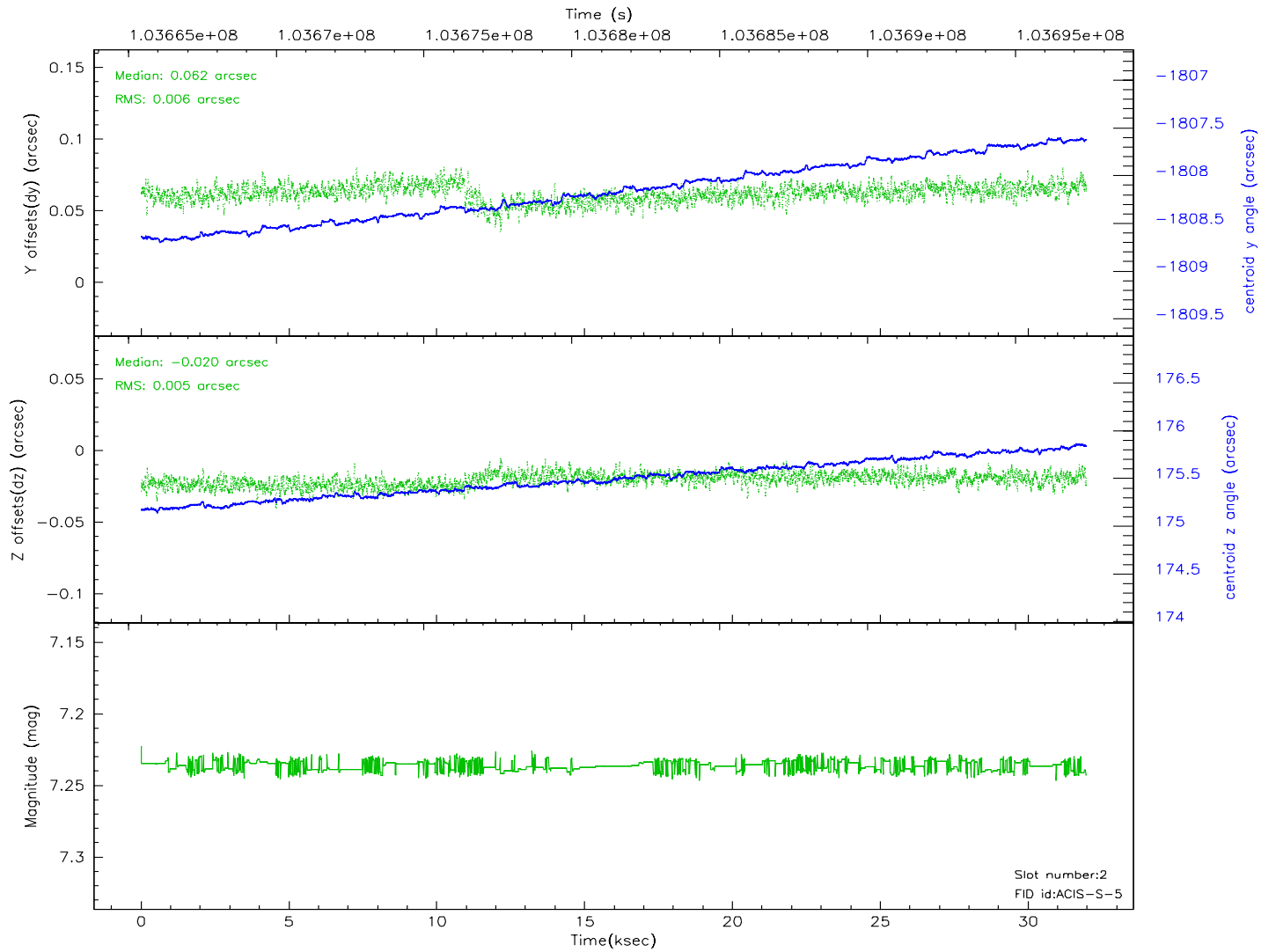
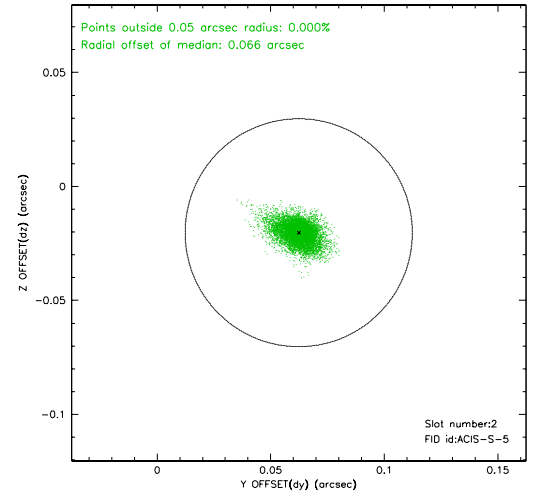
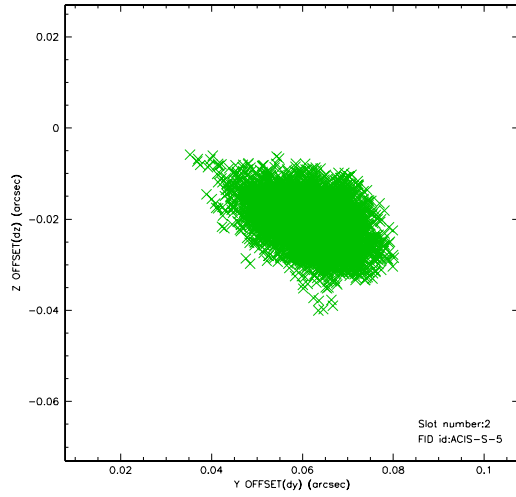
2.5.1 Slot 0



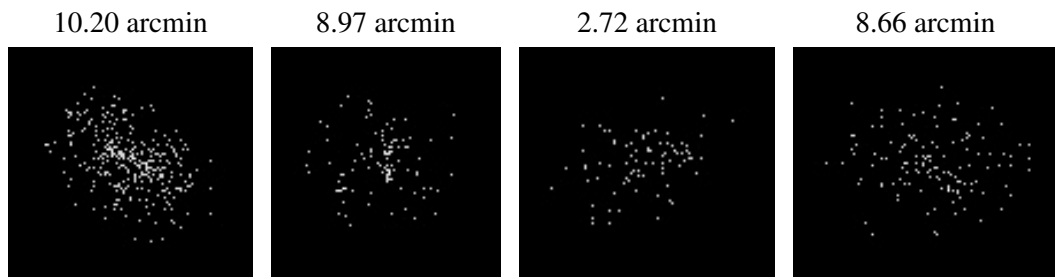
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.3

A.2 Comments

Roll constraint met.