

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5946 - L2 Version 002
Chandra X-Ray Center

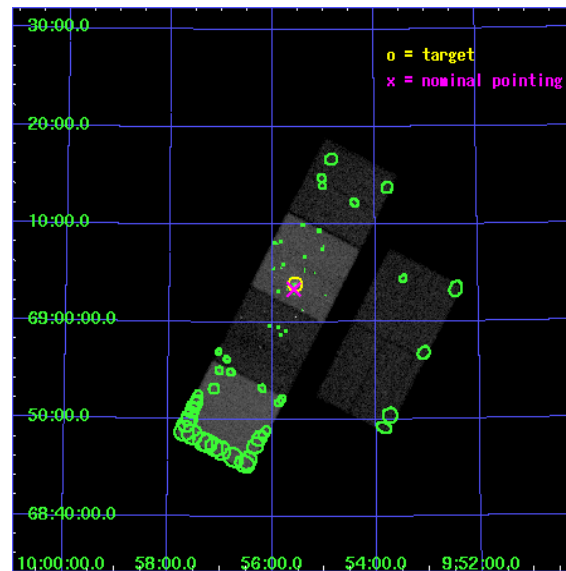
L2 Processing Date : Mar 11 2006

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1 Front

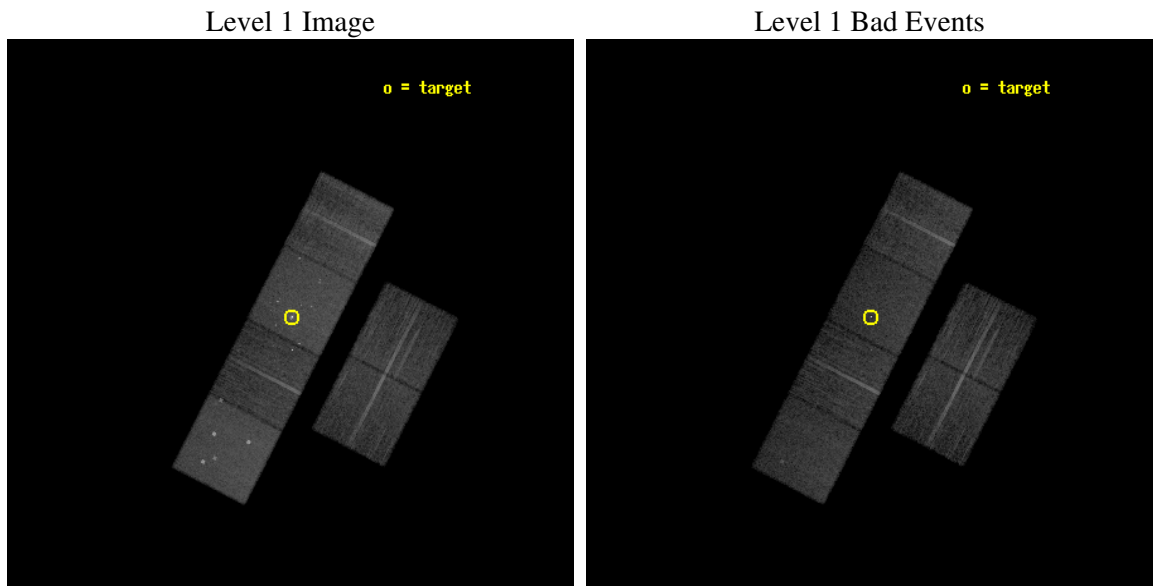
seq_num	600465
obs_id	5946
title	An Unprecedented View of a Galaxy's Dynamic X-ray Source Population
observer	Dr. David Pooley
object	M81
dtcycle	0
cycle	P
ra_targ	148.888333
dec_targ	69.065306
ra_nom	148.89621695642
dec_nom	69.056043368131
roll_nom	297.07803224374
revision	2
ontime	12172.799954653
livetime	12018.660632047
ontime2	12172.799954653
ontime3	12172.799954653
ontime5	12172.799954653
ontime6	12172.799954653
ontime7	12172.799954653
ontime8	12172.799954653
l2events	181179



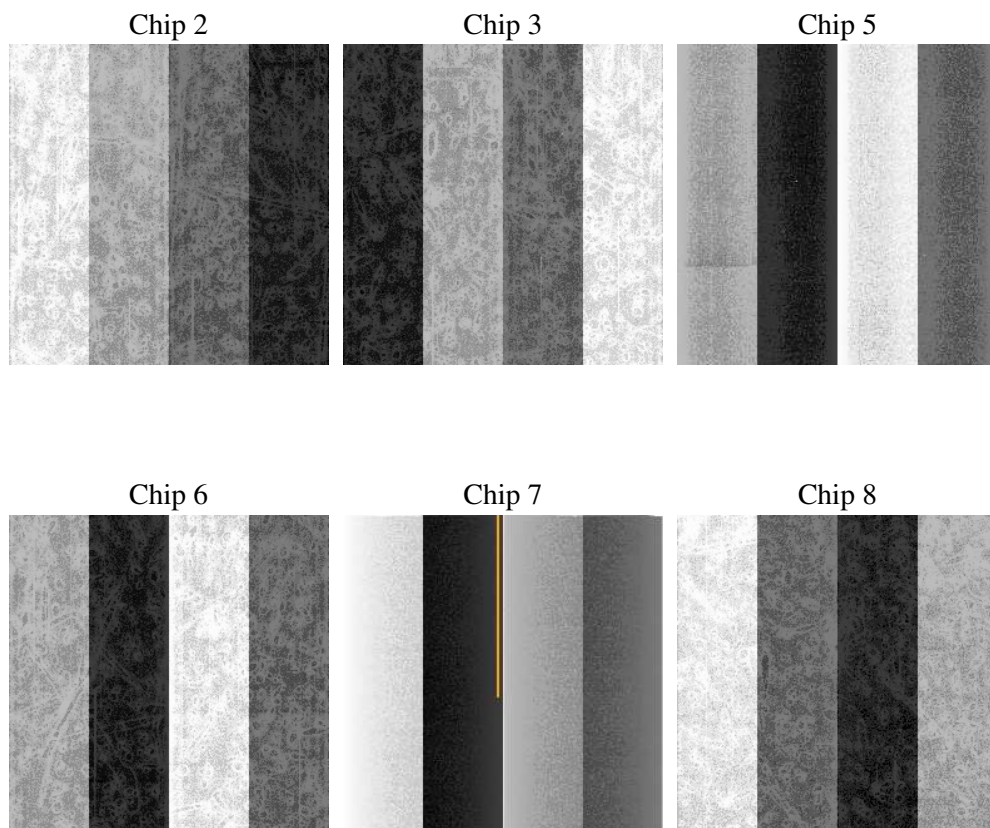
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-11T19:32:12
revision	2

sched_exp_time	11992.829000
ontime	13385.333711922
ontime2	13385.333711922
ontime3	13385.333711922
ontime5	13385.333711922
ontime6	13385.333711922
ontime7	13385.333711922
ontime8	13385.333711922
l1events	781460

2.1.4 Events

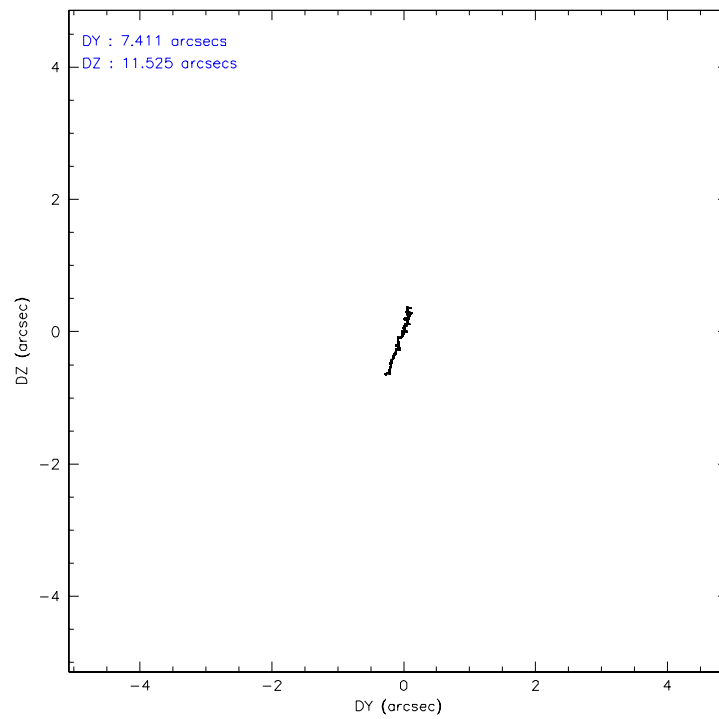
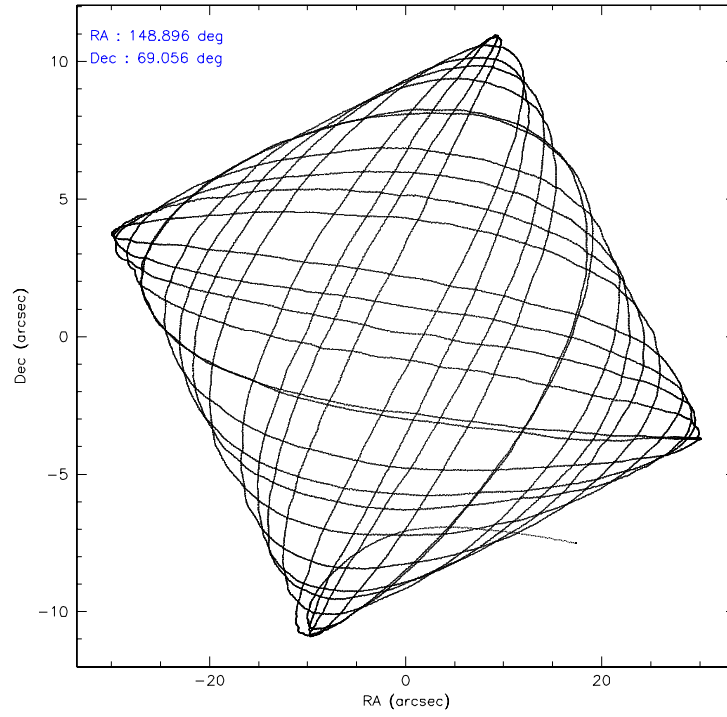
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	104249	106128	165105	109311	159671	136996
rejected events	89452	91648	93928	92388	96241	106969
rejected %	85%	86%	56%	84%	60%	78%

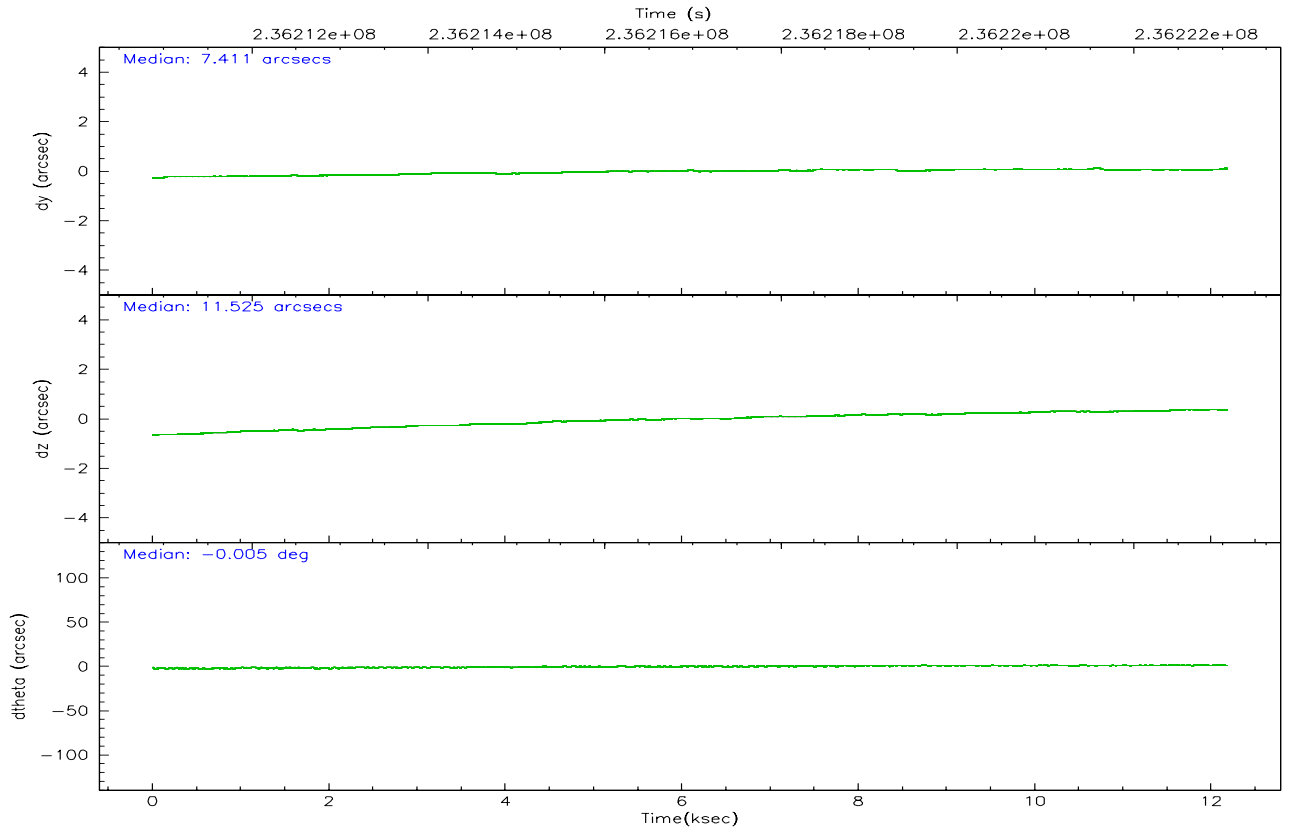
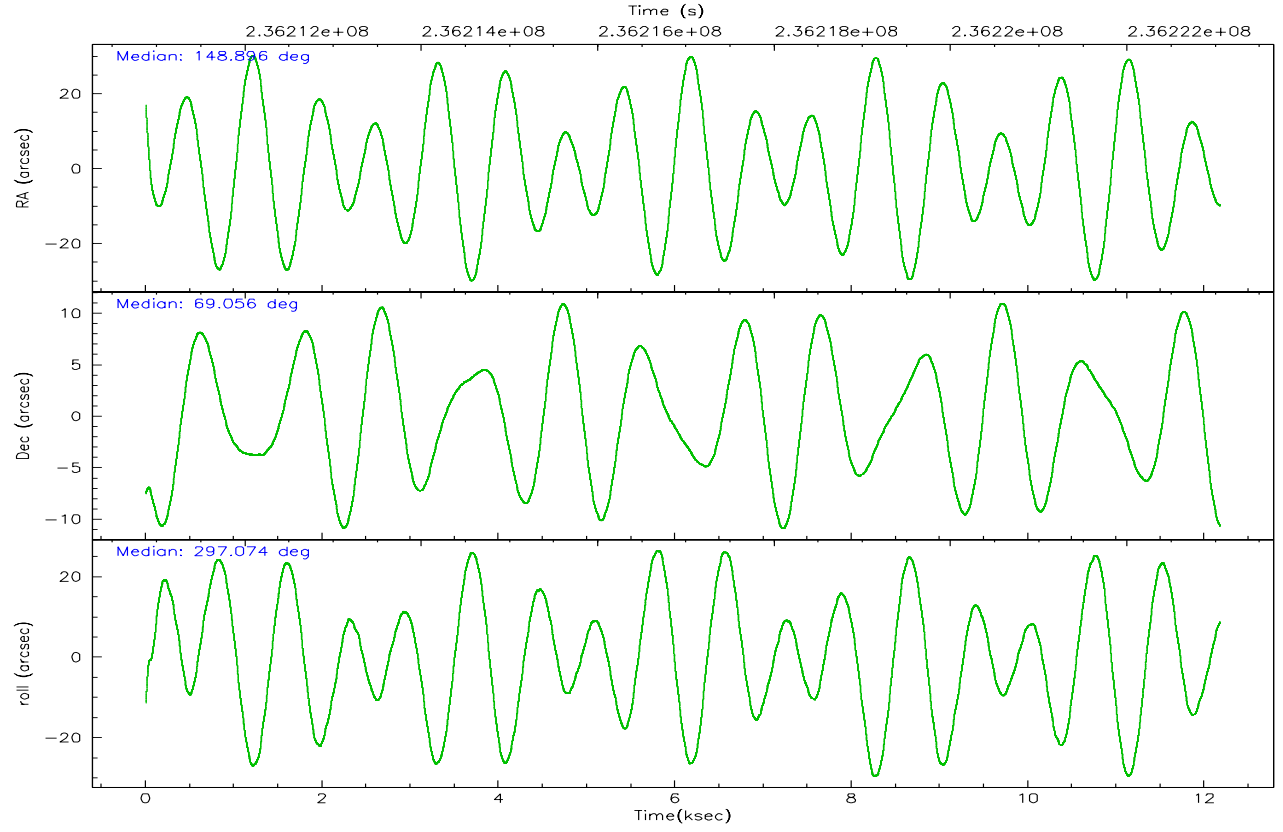
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8423	8269	10768	9358	5853	12014
	8%	7%	6%	8%	3%	8%
grade 1 events	77	82	416	104	171	112
	0%	0%	0%	0%	0%	0%
grade 2 events	2917	2691	22667	3296	16816	6752
	2%	2%	13%	3%	10%	4%
grade 3 events	1222	1234	1602	1377	3857	3190
	1%	1%	0%	1%	2%	2%
grade 4 events	1287	1302	1605	1380	3789	3025
	1%	1%	0%	1%	2%	2%
grade 5 events	4116	4645	7552	4959	9745	6522
	3%	4%	4%	4%	6%	4%
grade 6 events	2216	2231	41523	2782	38336	7813
	2%	2%	25%	2%	24%	5%
grade 7 events	83991	85674	78972	86055	81104	97568
	80%	80%	47%	78%	50%	71%

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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	148.831691	148.896216956418	Alternating exposures requested	N	N
Pointing Dec	69.070533	69.05604336813103	Primary exposure time	0.000000	3.2
Pointing Roll	296.981668	297.0780322437444			
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	236211071.184000	236209395.28079			
Observation start date	2005-06-26T22:10:07	2005-06-26T21:43:15			
Observation end time	236223064.184000	236223281.46892			
Observation end date	2005-06-27T01:30:00	2005-06-27T01:34:41			
Read mode	TIMED	TIMED			

2.3 Aspect



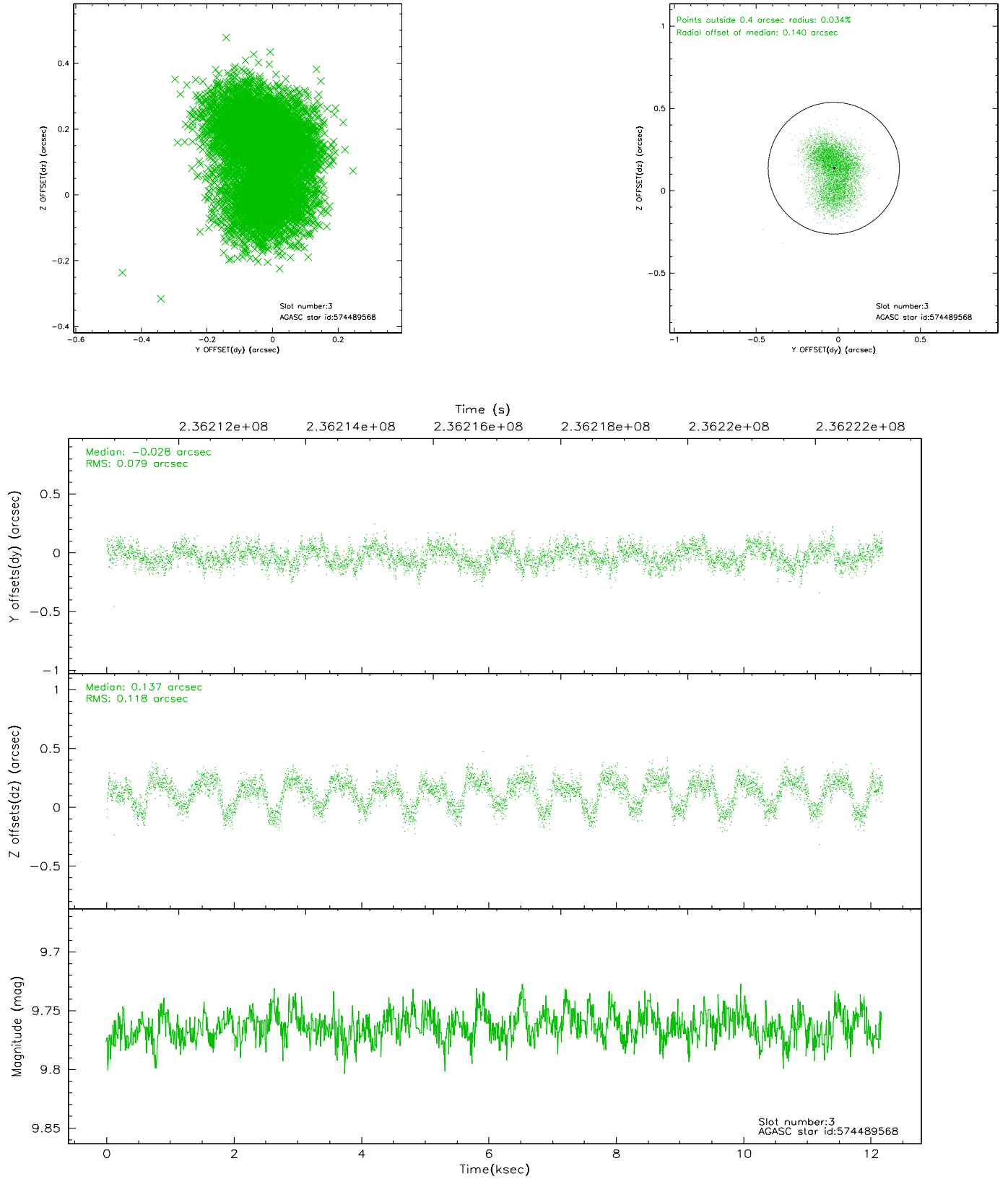


Slot Statistics

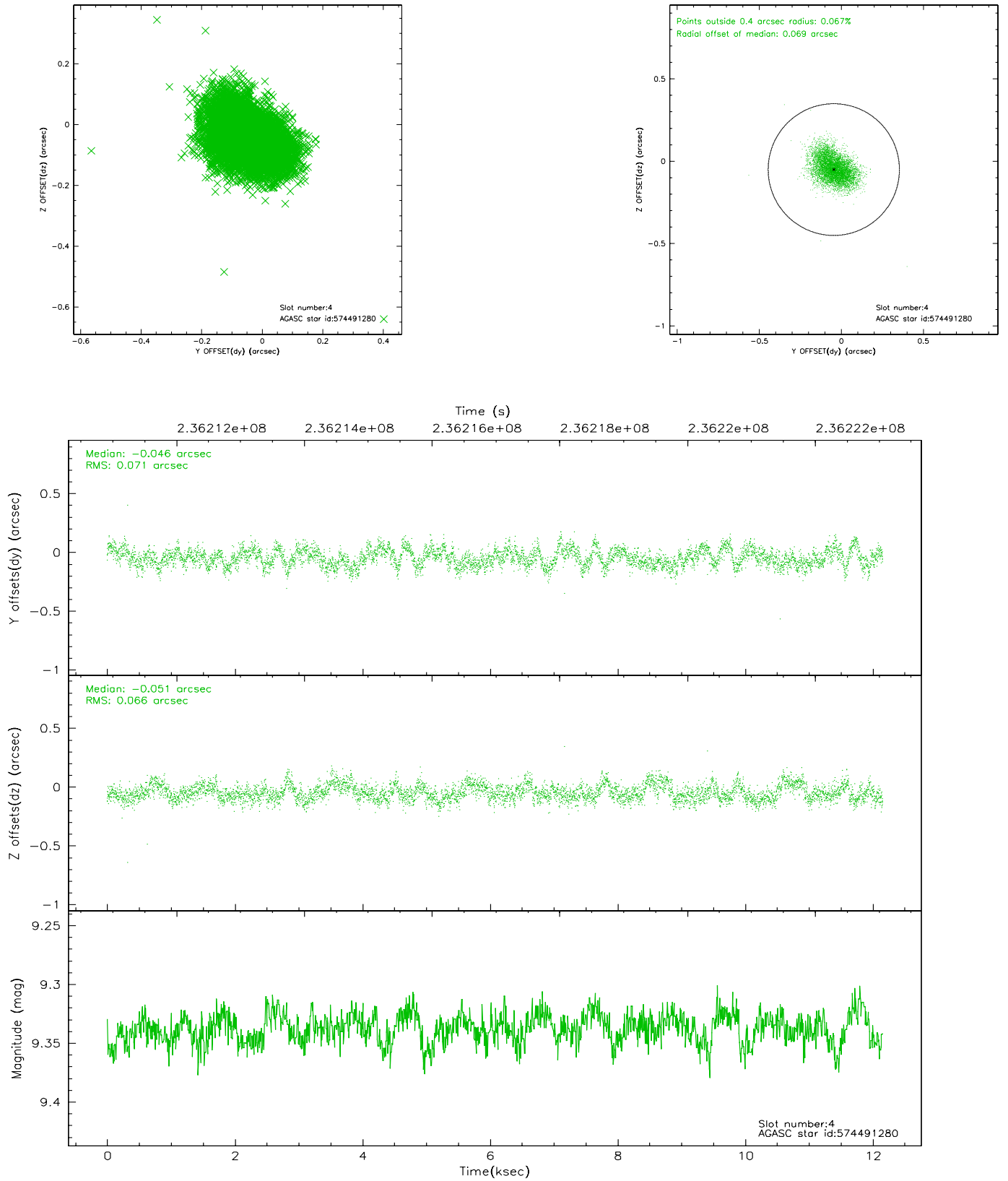
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2970	0.018	-0.070	0.012	0.022	0.000000	0.000000	935.89	-1728.47
1	FID	ACIS-S-4	7.20	2970	0.029	0.044	0.008	0.012	0.000000	0.000000	2153.55	175.37
2	FID	ACIS-S-5	7.23	2971	-0.073	0.039	0.009	0.016	0.000000	0.000000	-1812.53	169.45
3	GUIDE	574489568	9.76	5936	-0.028	0.137	0.152	0.242	147.223974	69.438157	-2124.95	-1198.47
4	GUIDE	574491280	9.34	5927	-0.046	-0.051	0.103	0.166	148.611567	69.450135	-1344.37	371.54
5	GUIDE	574496312	10.27	5934	0.093	-0.052	0.191	0.310	149.547505	68.718299	1549.70	261.14
6	GUIDE	574497600	10.45	5934	0.063	0.040	0.178	0.283	147.824120	68.451903	1371.36	-2192.32
7	GUIDE	574490960	9.73	5936	-0.086	-0.049	0.127	0.200	148.185918	69.658768	-2257.03	242.18

2.4 Star Slots

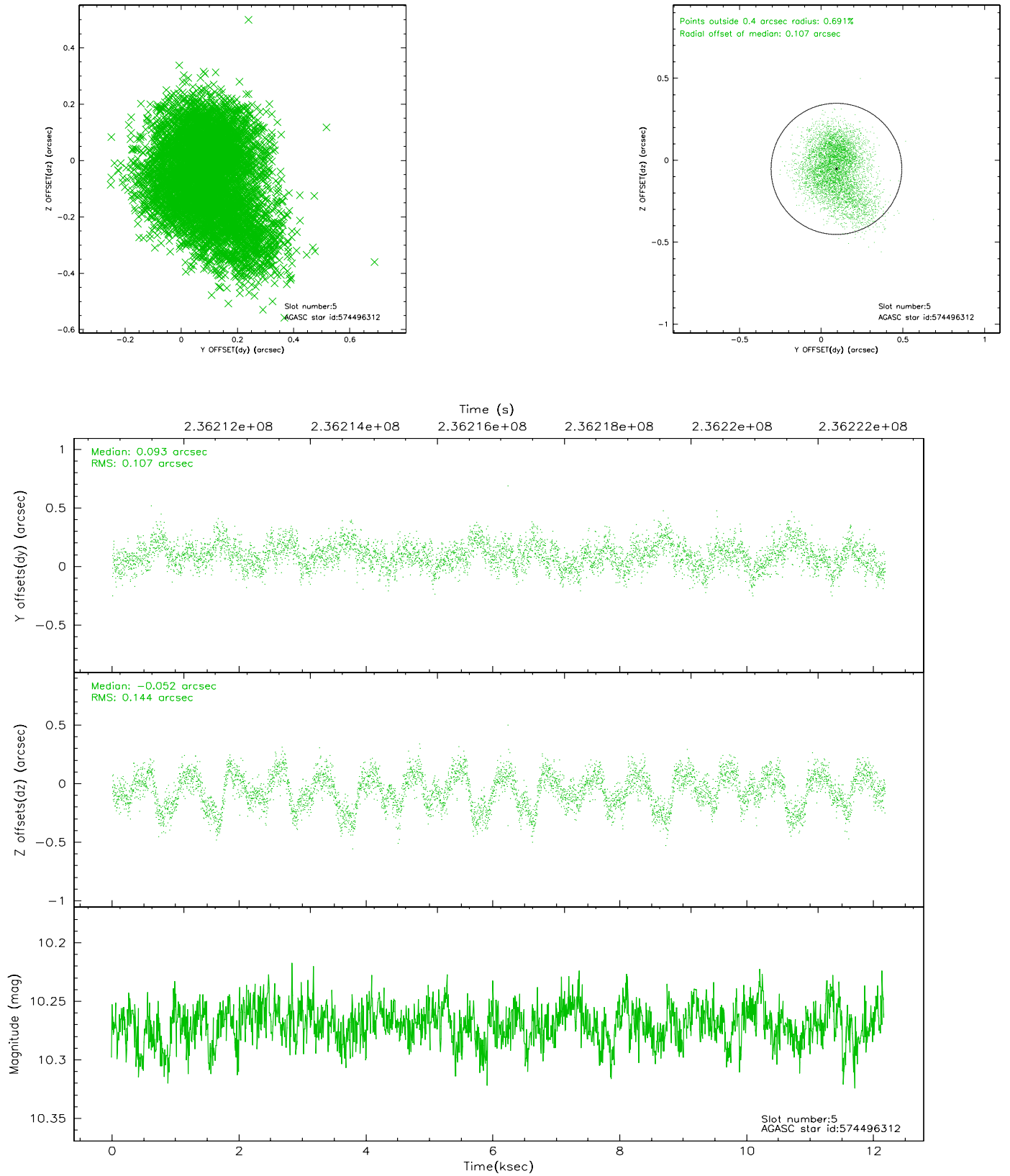
2.4.1 Slot 3



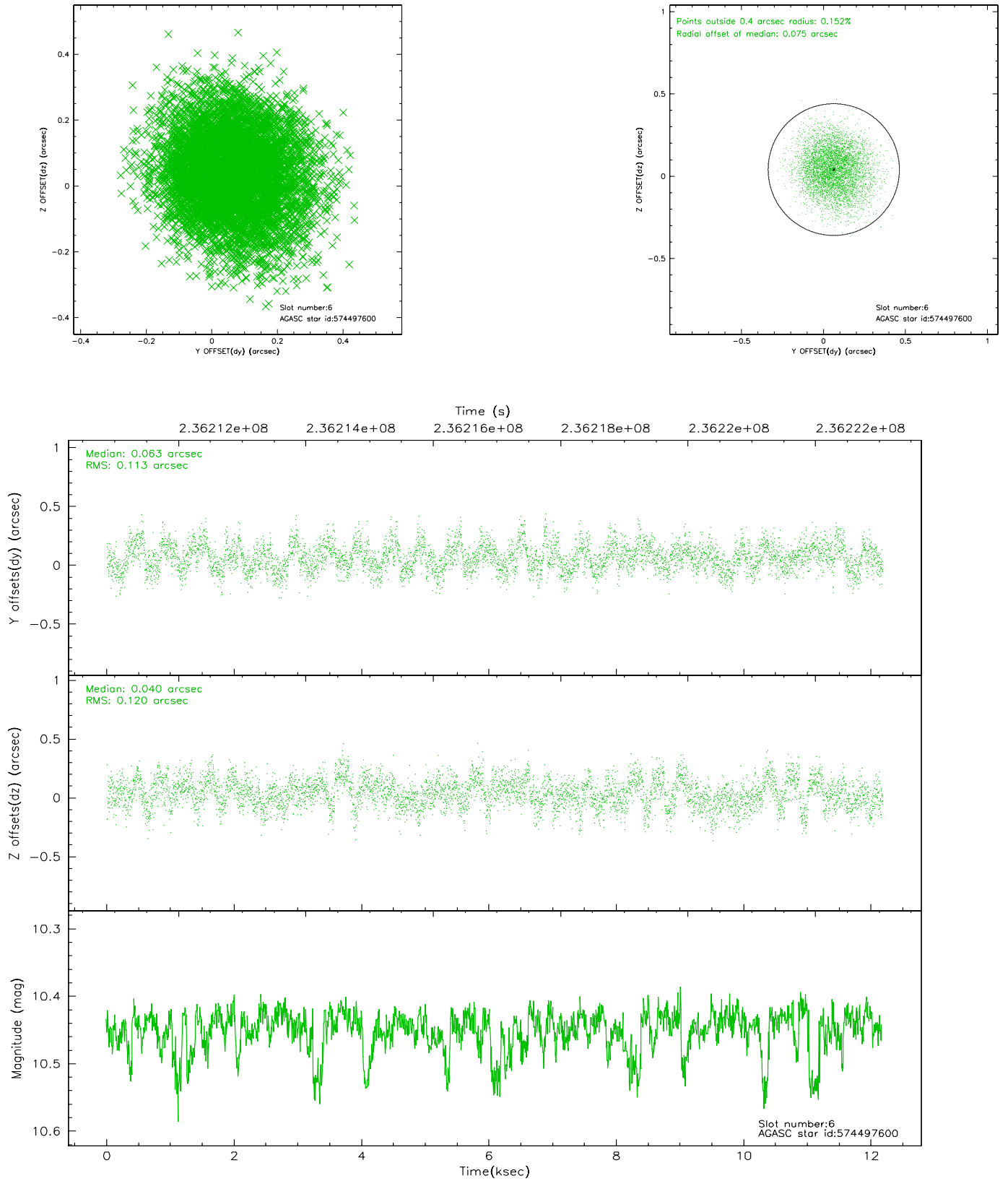
2.4.2 Slot 4



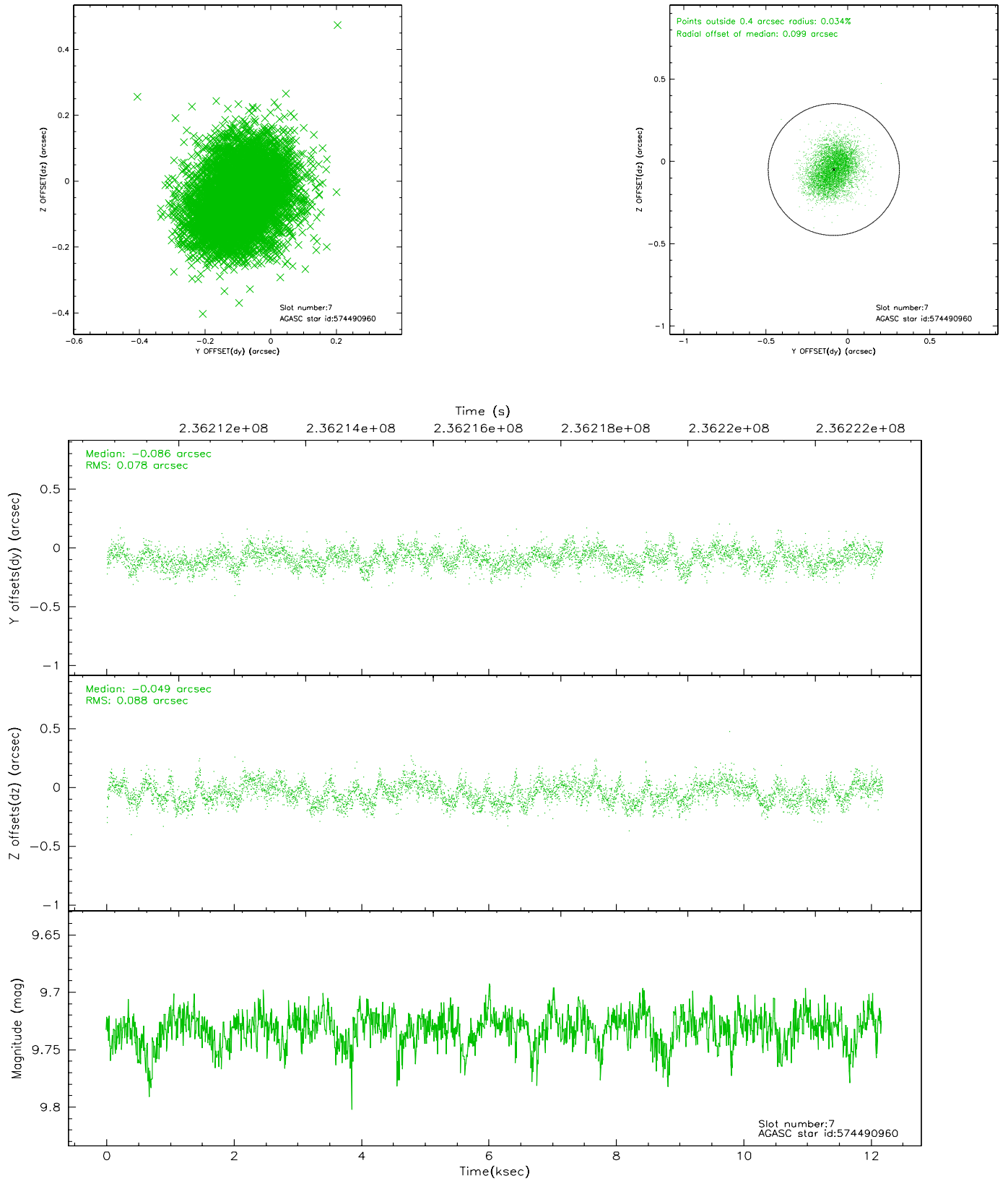
2.4.3 Slot 5



2.4.4 Slot 6

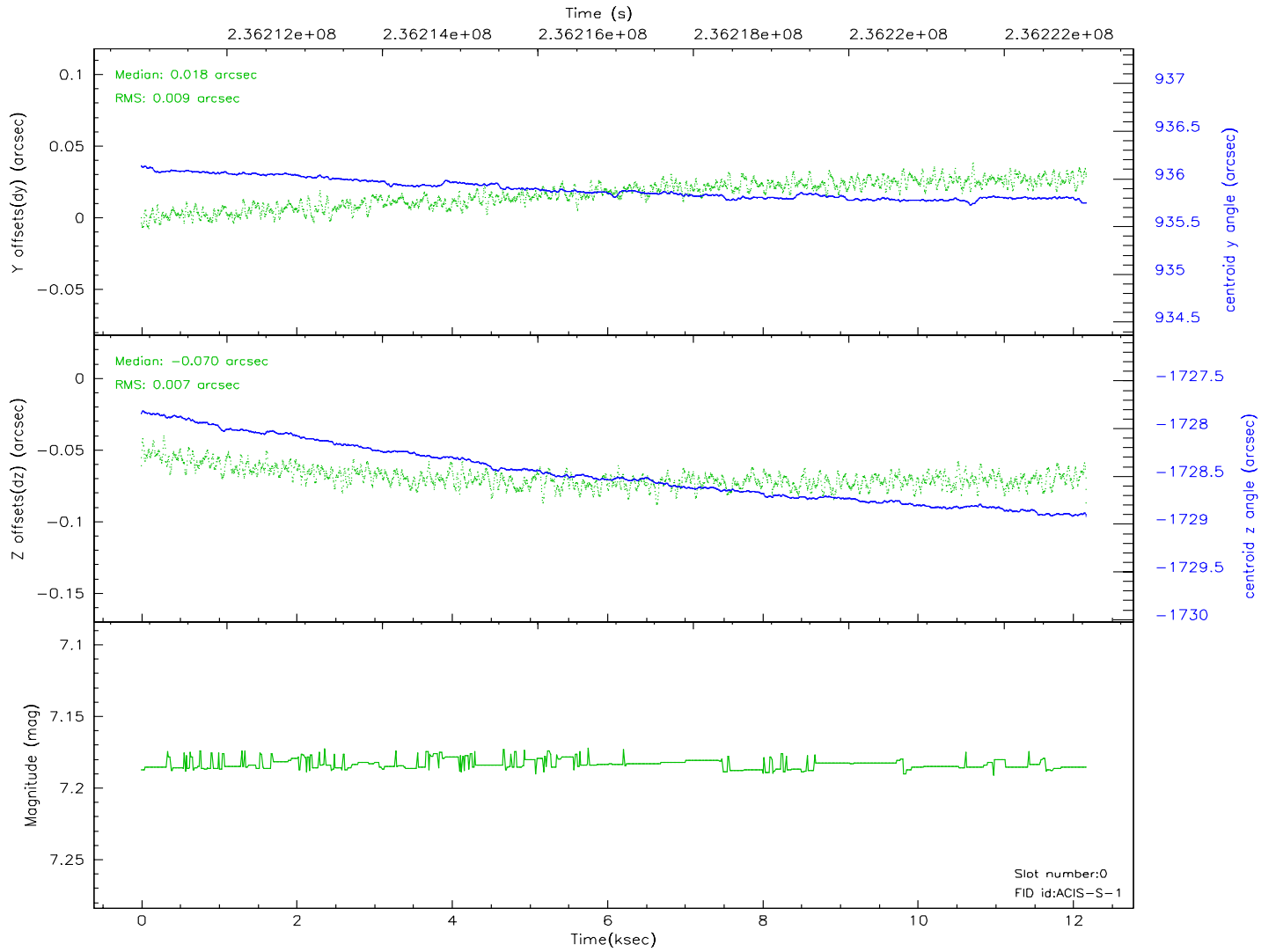
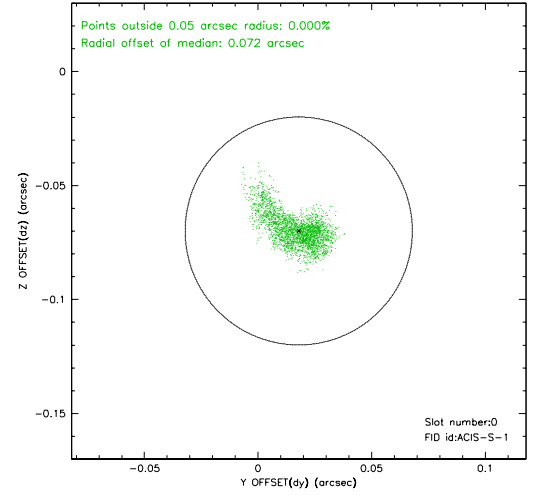
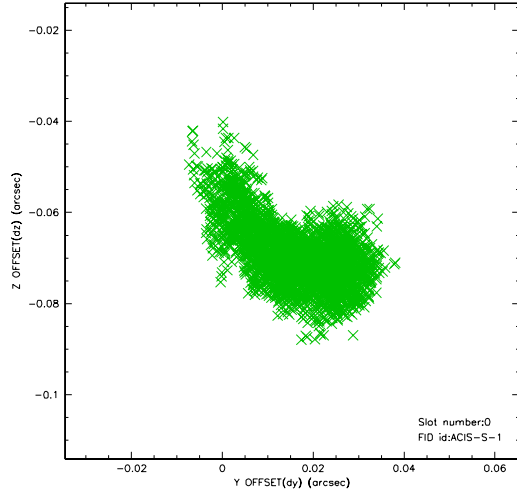


2.4.5 Slot 7

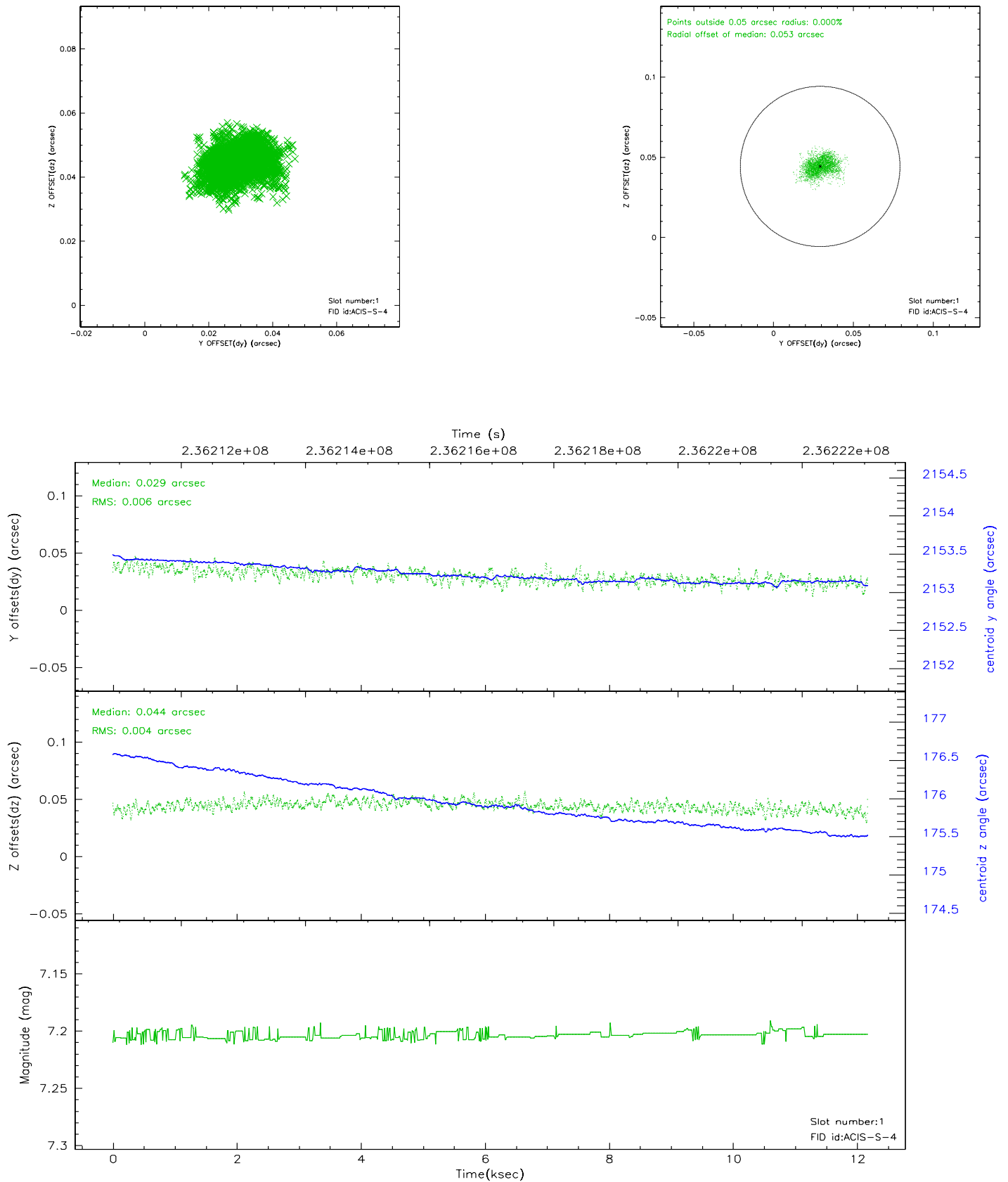


2.5 FID Slots

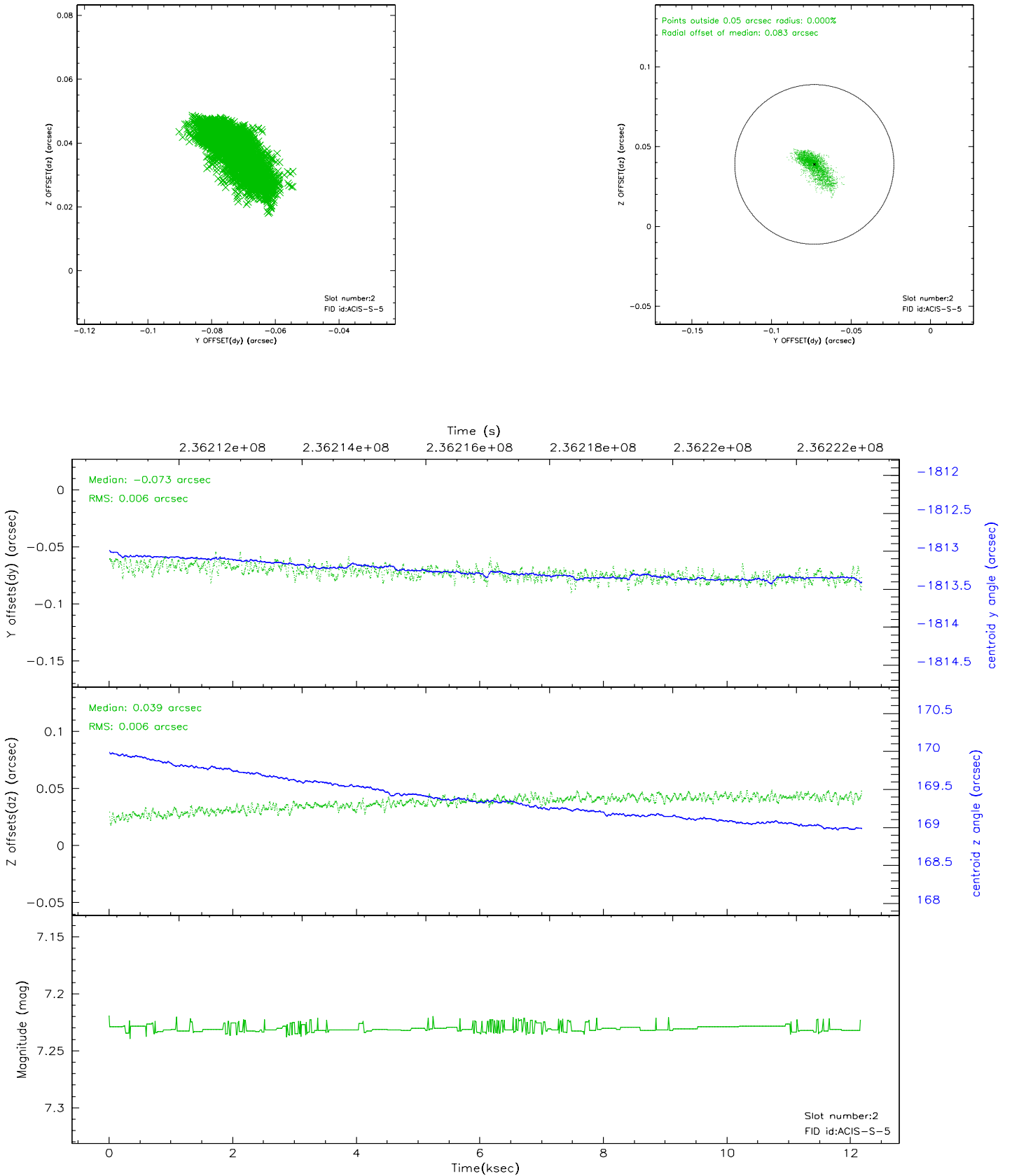
2.5.1 Slot 0



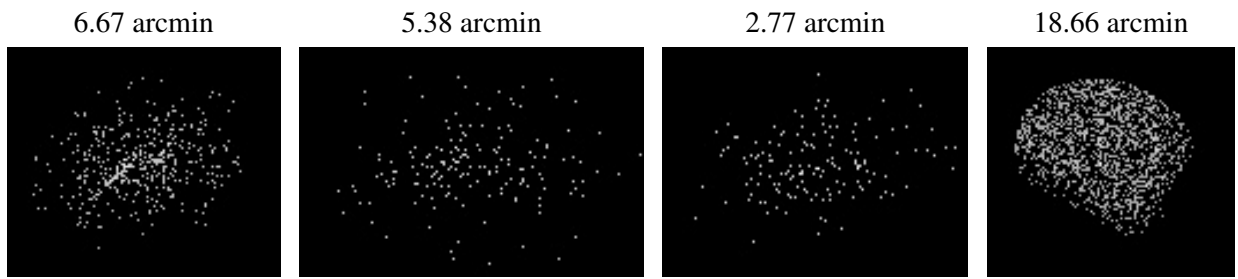
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.17279

A.2 Comments

Preferred roll met. Monitor constraint met.