

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6314 - L2 Version 002
Chandra X-Ray Center

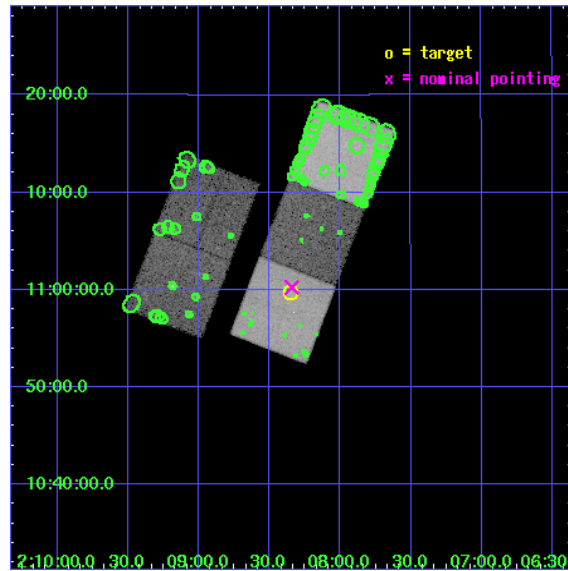
L2 Processing Date : Mar 10 2006

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

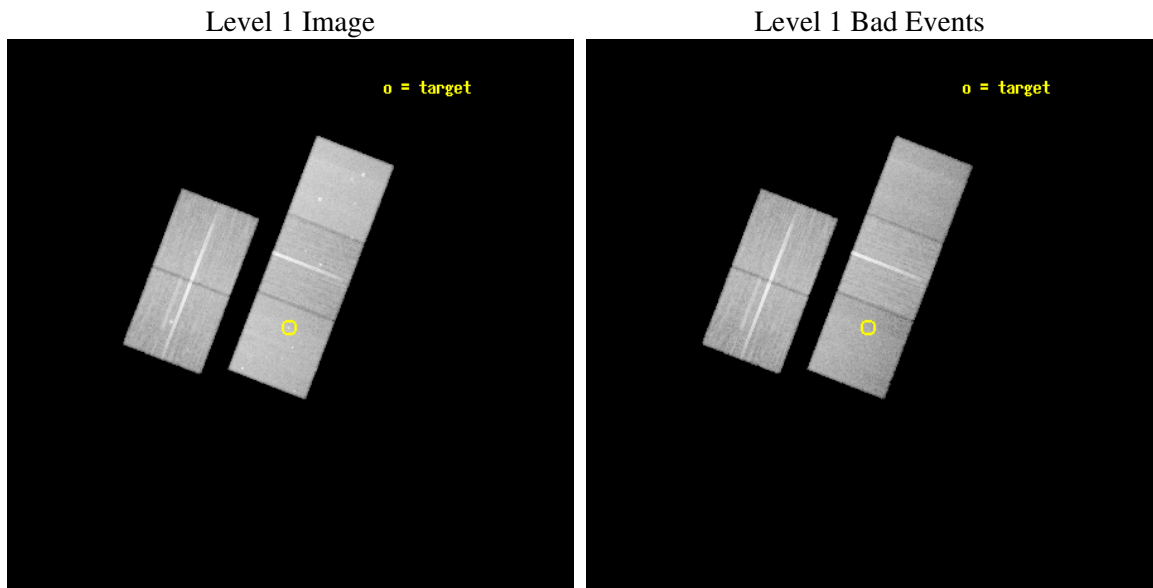
seq_num	701114
obs_id	6314
title	The X-ray Jet of the X-ray faint supermassive nuclear black hole in NGC 821
observer	Dr Giuseppina Fabbiano
object	NGC821
dtcycle	0
cycle	P
ra_targ	32.0875
dec_targ	10.99475
ra_nom	32.085624292794
dec_nom	11.004229122501
roll_nom	111.0569797019
revision	2
ontime	40129.499922842
livetime	39605.178463442
ontime2	40123.217992336
ontime3	40120.07698217
ontime5	40129.499922842
ontime6	40120.077002168
ontime7	40129.499922842
l2events	336777



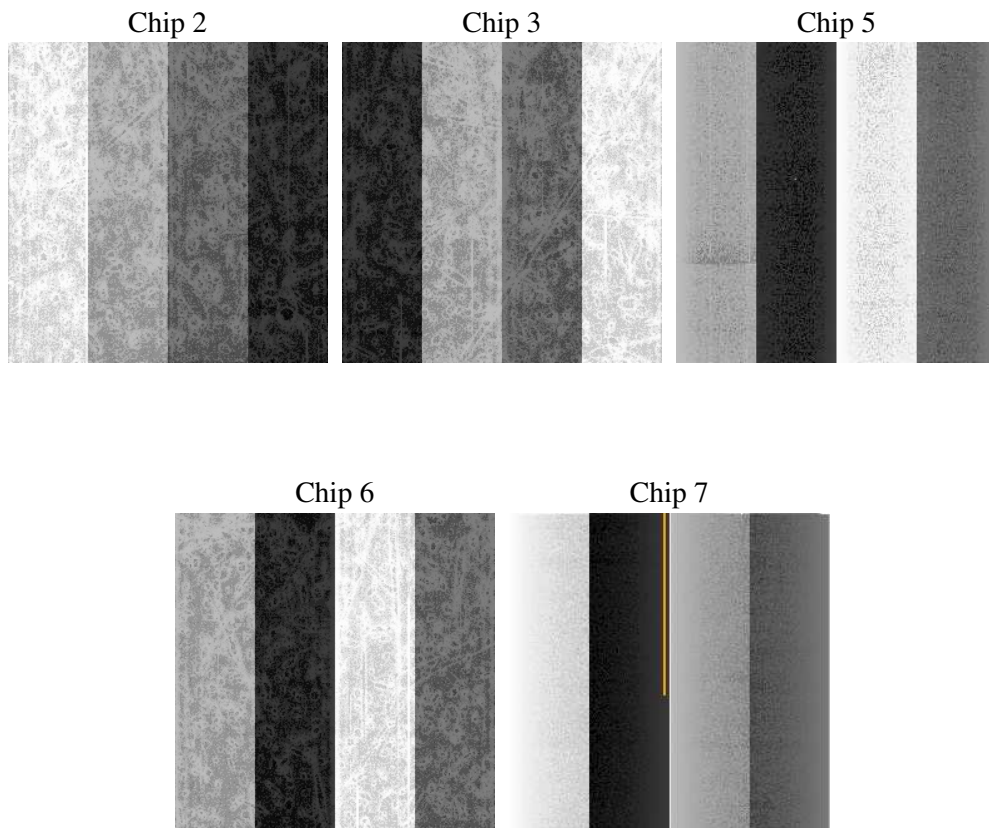
2 OBI

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	2006-03-10T15:57:08
revision	2

sched_exp_time	40000.000000
ontime	40481.244468778
ontime2	40474.962518394
ontime3	40471.821508229
ontime5	40481.244468778
ontime6	40471.821548104
ontime7	40481.244468778
l1events	1421021

2.1.4 Events

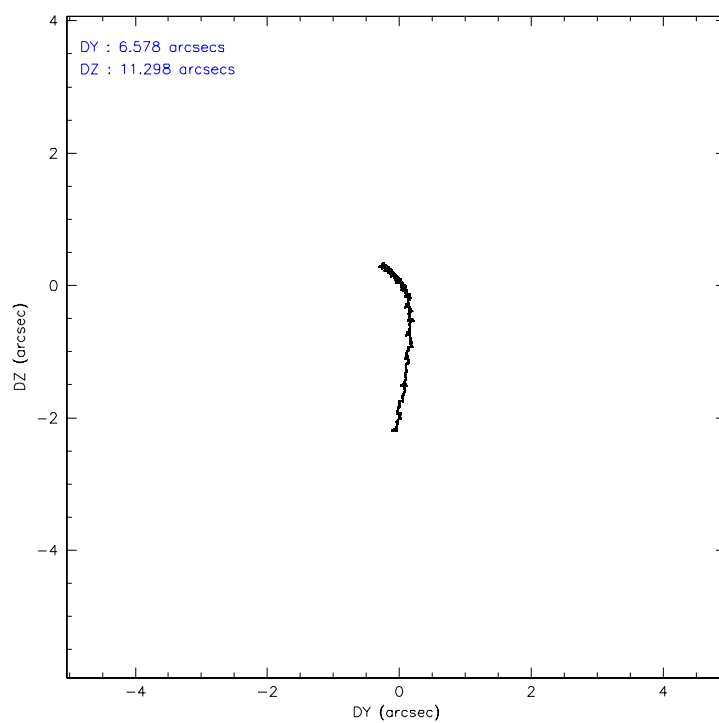
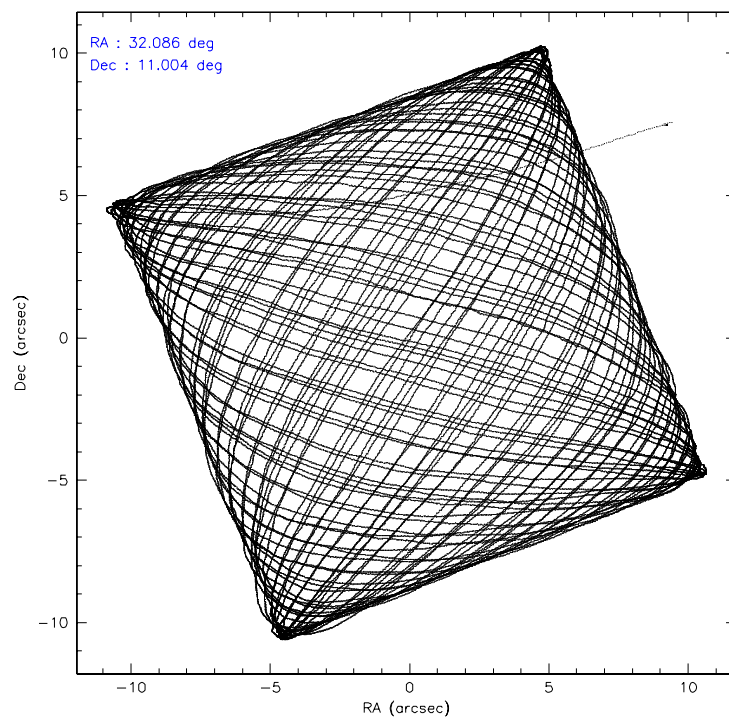
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	263760	252847	348636	266303	289475
rejected events	238716	228106	187143	239665	169891
rejected %	90%	90%	53%	89%	58%

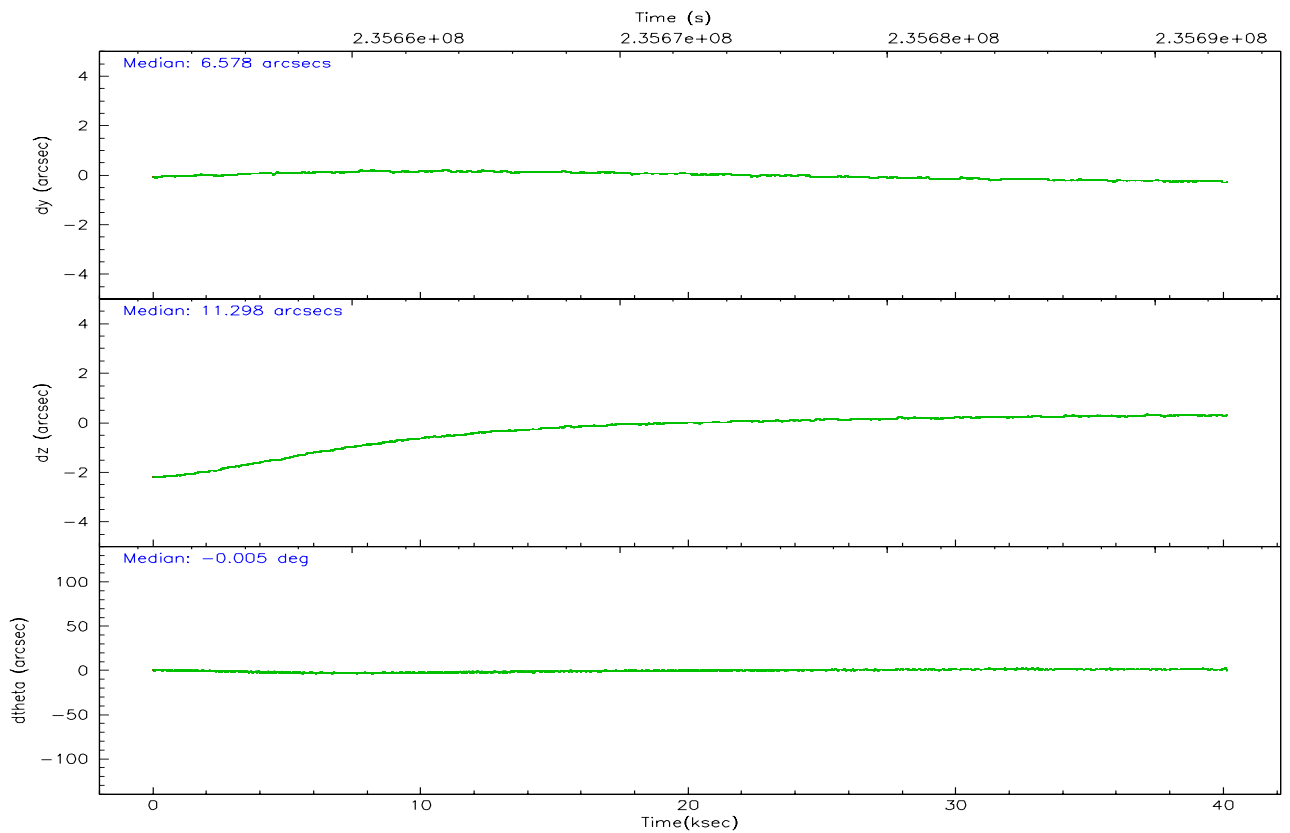
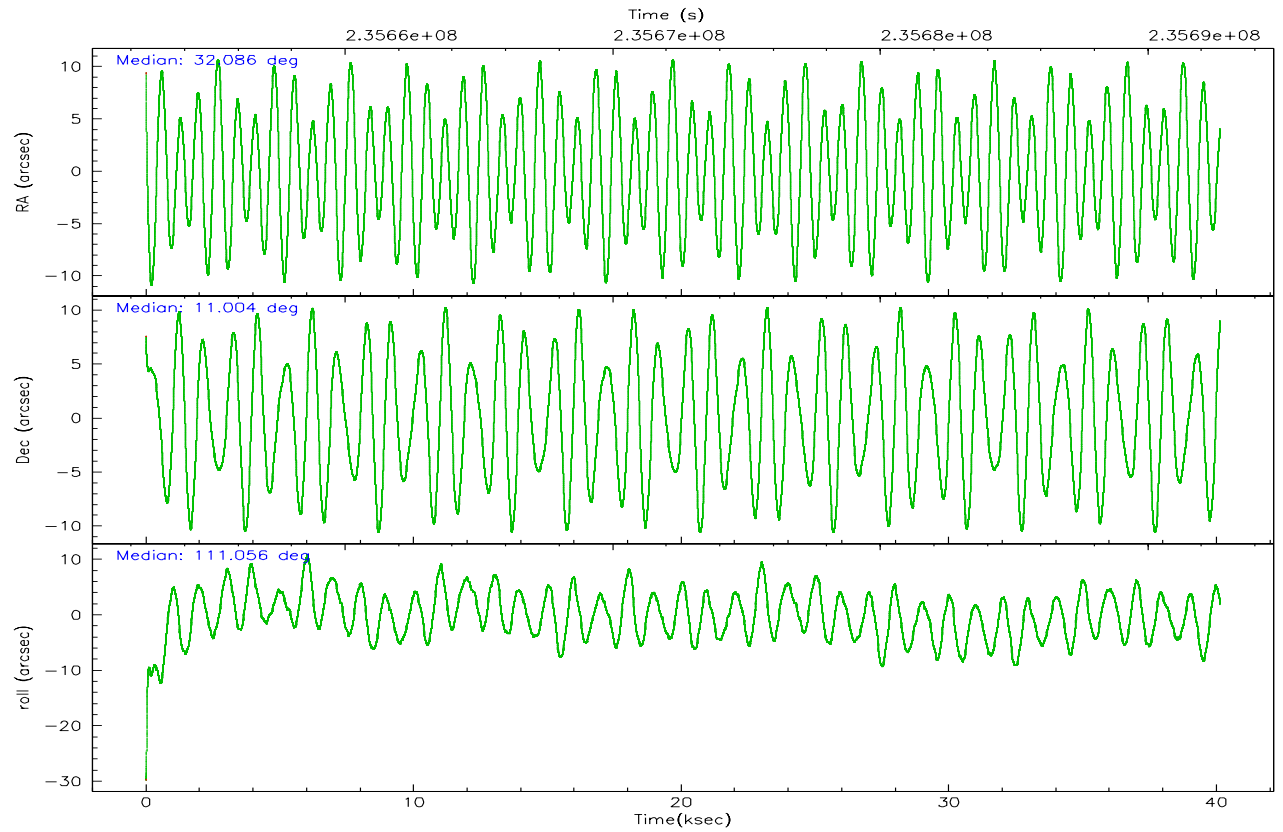
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	9140	9205	8102	9434	7006
	3%	3%	2%	3%	2%
grade 1 events	124	143	196	119	145
	0%	0%	0%	0%	0%
grade 2 events	5894	5203	51397	5859	30045
	2%	2%	14%	2%	10%
grade 3 events	2789	2815	4257	2949	6815
	1%	1%	1%	1%	2%
grade 4 events	2749	2846	4129	3024	6456
	1%	1%	1%	1%	2%
grade 5 events	8401	10291	18748	10662	21356
	3%	4%	5%	4%	7%
grade 6 events	4717	4865	95059	5593	70325
	1%	1%	27%	2%	24%
grade 7 events	229946	217479	166748	228663	147327
	87%	86%	47%	85%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	32.107433	32.08562429279409	Alternating exposures requested	N	N
Pointing Dec	10.987414	11.00422912250091	Primary exposure time	0.000000	3.1
Pointing Roll	110.896198	111.056979701899			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	235652703.184000	235651553.86781			
Observation start date	2005-06-20T11:03:59	2005-06-20T10:45:53			
Observation end time	235692703.184000	235693634.21973			
Observation end date	2005-06-20T22:10:39	2005-06-20T22:27:14			
Read mode	TIMED	TIMED			

2.3 Aspect



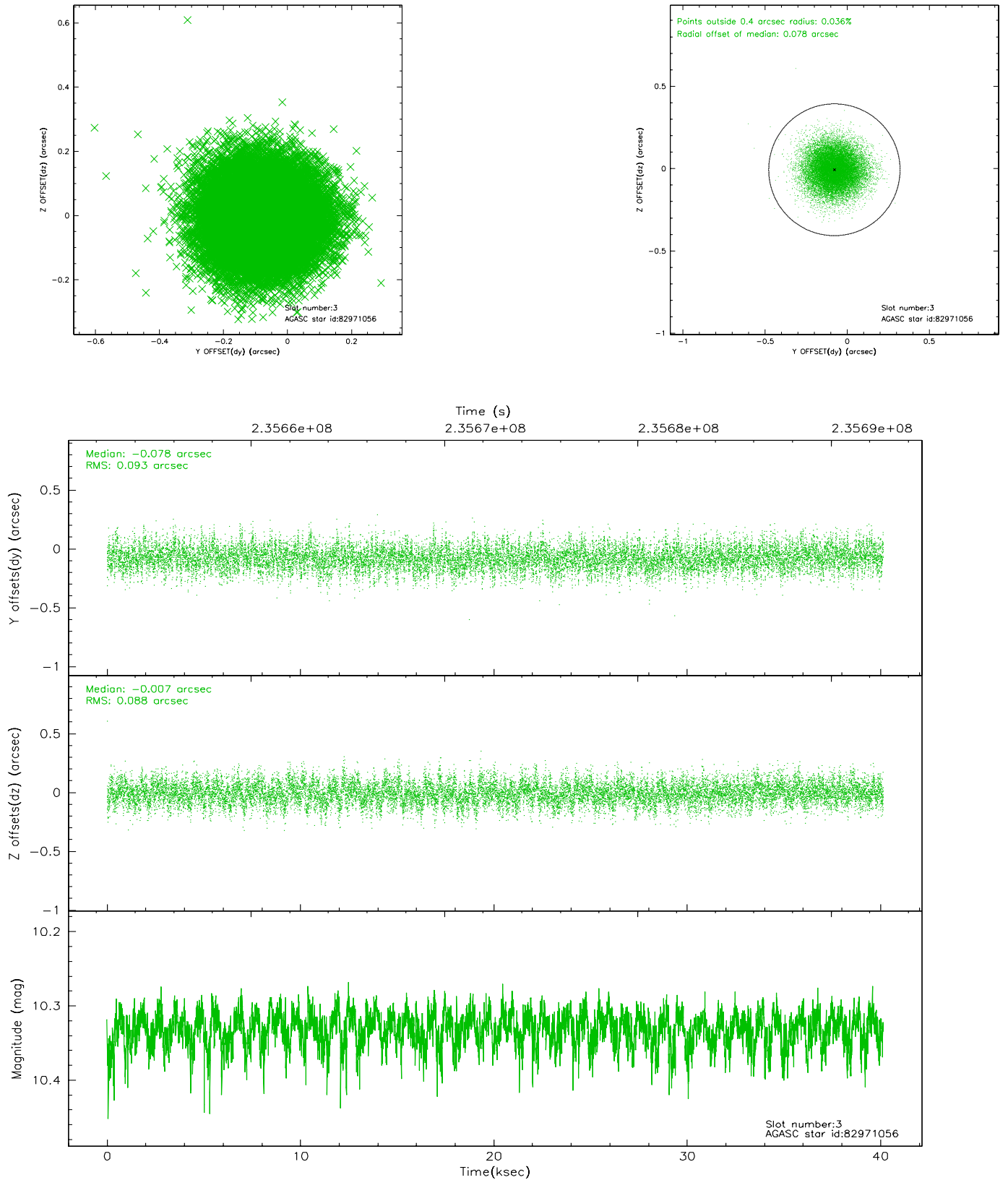


Slot Statistics

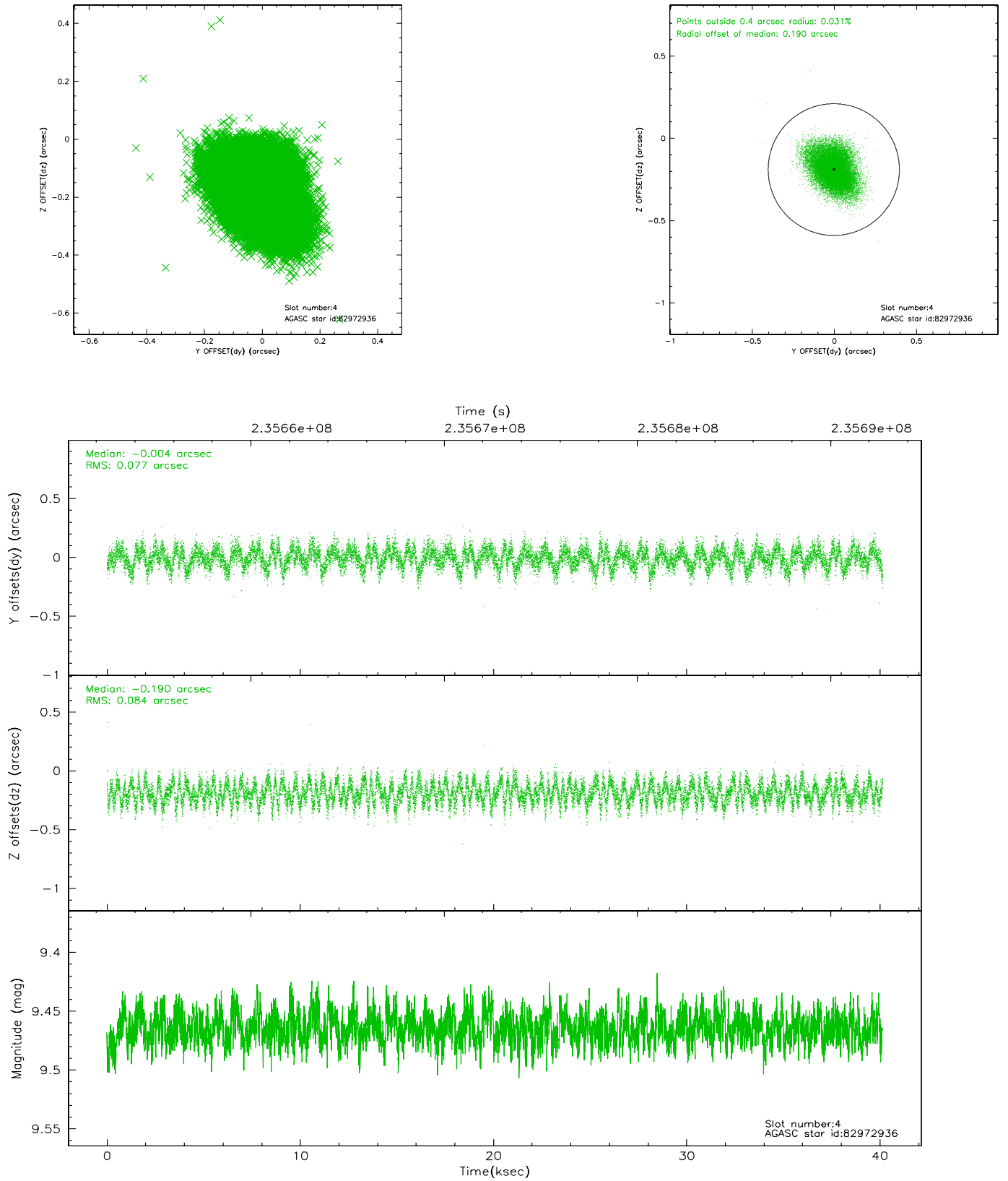
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	9790	-0.006	-0.056	0.022	0.067	0.000000	0.000000	936.71	-1727.88
1	FID	ACIS-S-4	7.20	9790	0.026	0.046	0.016	0.050	0.000000	0.000000	2154.16	176.34
2	FID	ACIS-S-5	7.23	9790	-0.044	0.022	0.016	0.025	0.000000	0.000000	-1812.17	169.95
3	GUIDE	82971056	10.33	19563	-0.078	-0.007	0.136	0.220	31.381677	11.249277	1797.72	2056.73
4	GUIDE	82972936	9.46	19561	-0.004	-0.190	0.122	0.196	31.880349	11.323150	1415.56	317.68
5	GUIDE	82976088	10.27	19552	0.152	-0.163	0.261	0.407	31.548572	10.635312	-476.97	2298.33
6	GUIDE	82976744	9.49	19561	0.156	0.089	0.108	0.174	32.095784	10.602457	-1279.68	533.11
7	GUIDE	82974960	9.84	19555	-0.239	0.276	0.160	0.257	31.911636	11.621581	2379.09	-168.98

2.4 Star Slots

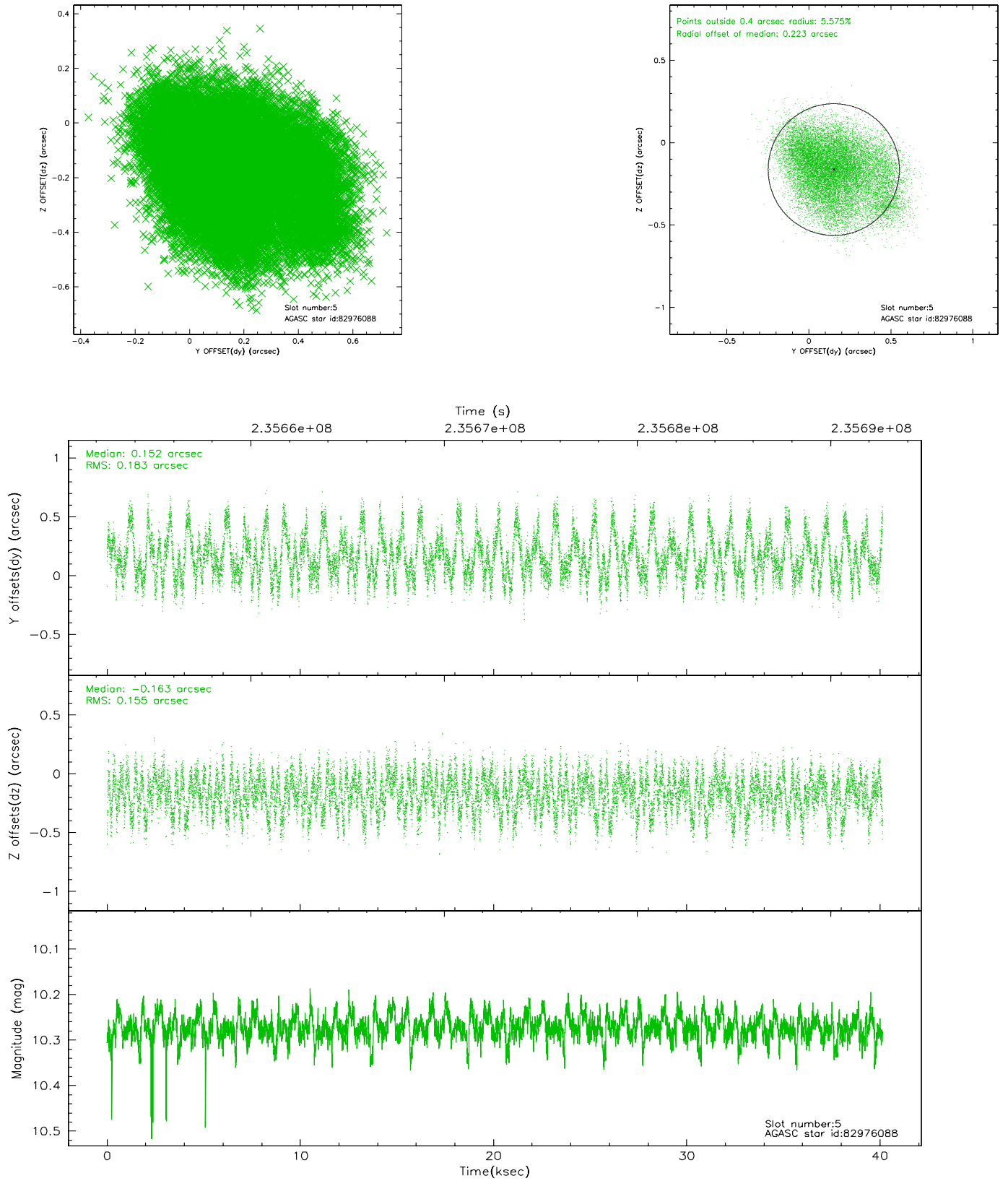
2.4.1 Slot 3



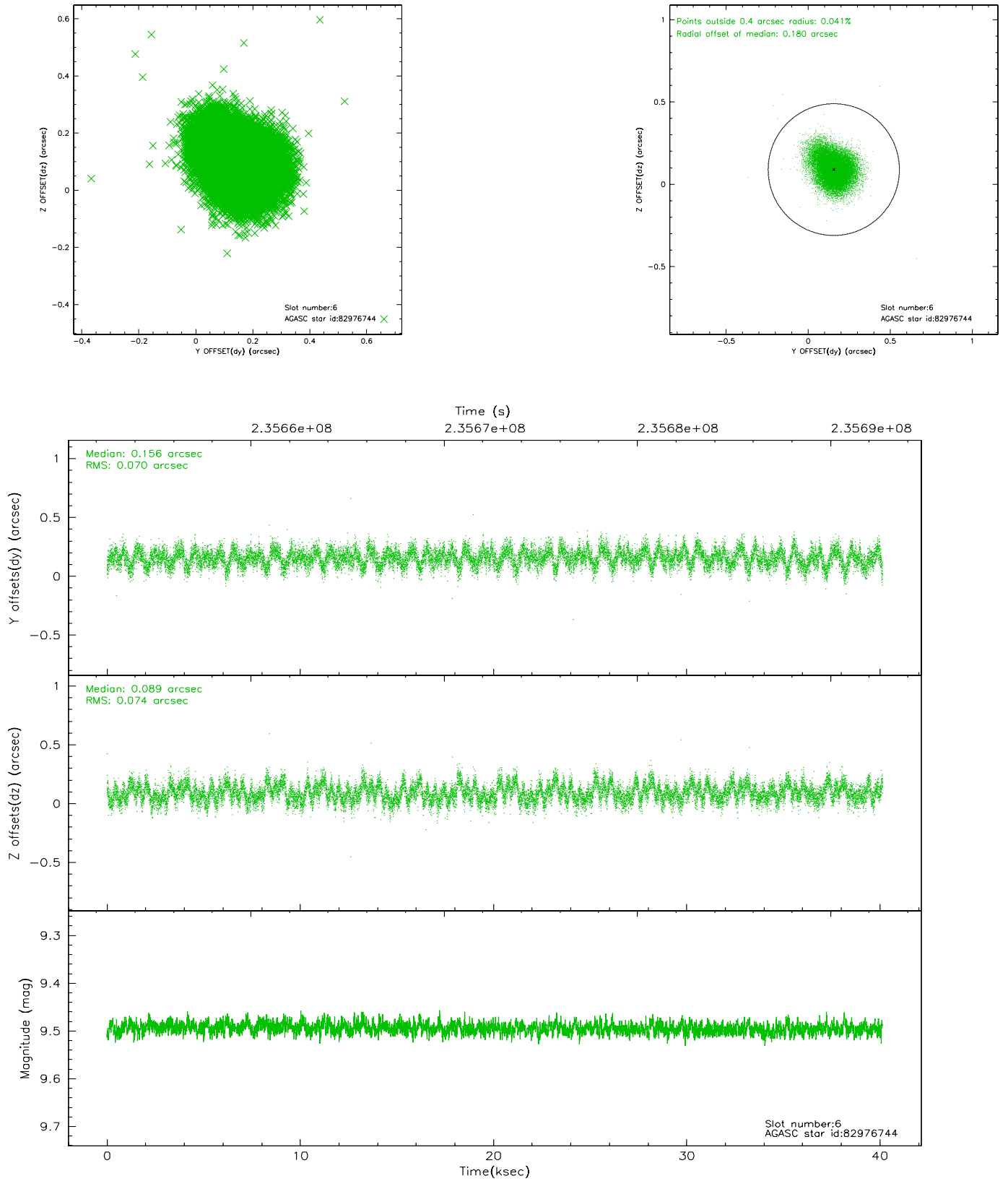
2.4.2 Slot 4



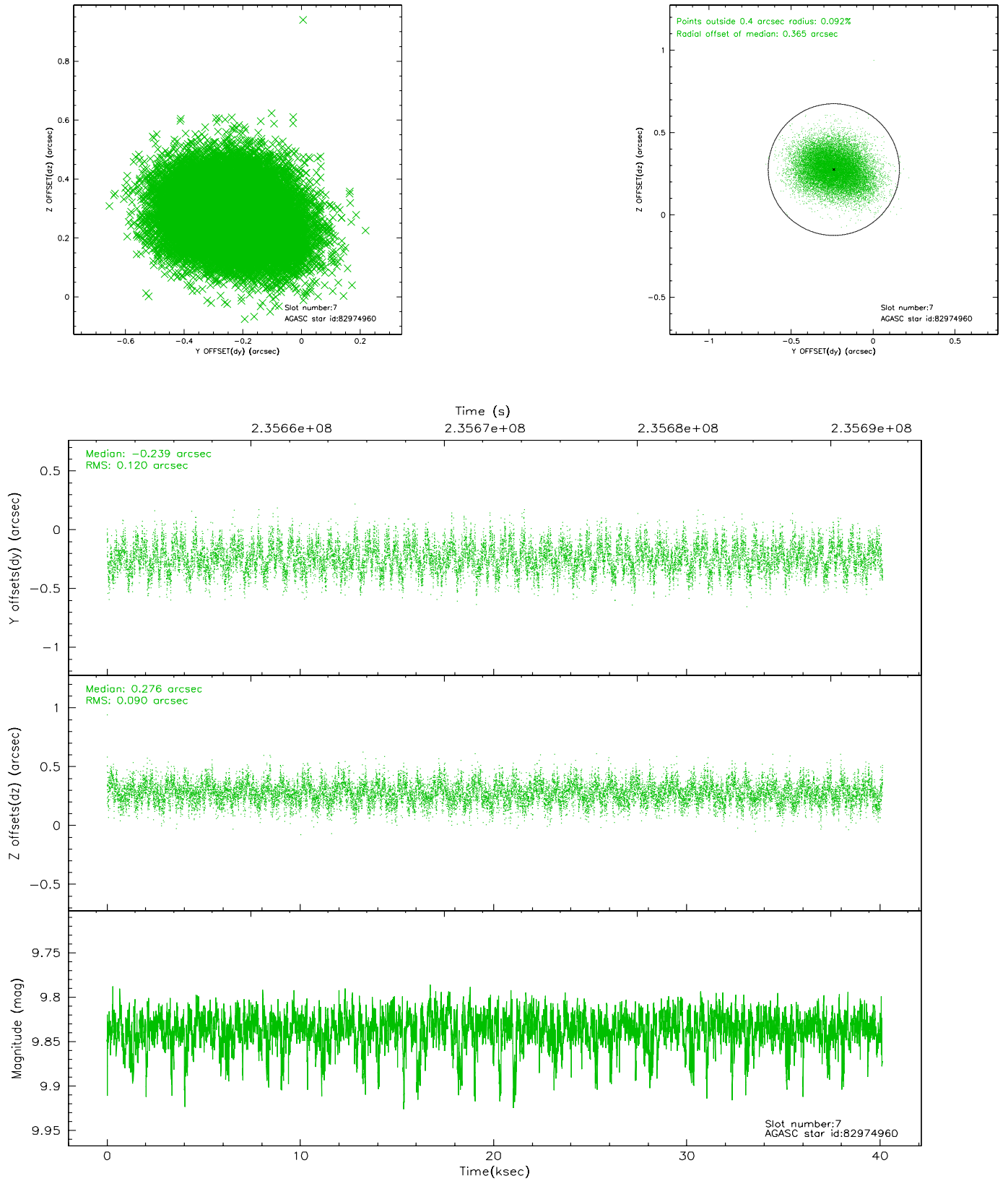
2.4.3 Slot 5



2.4.4 Slot 6

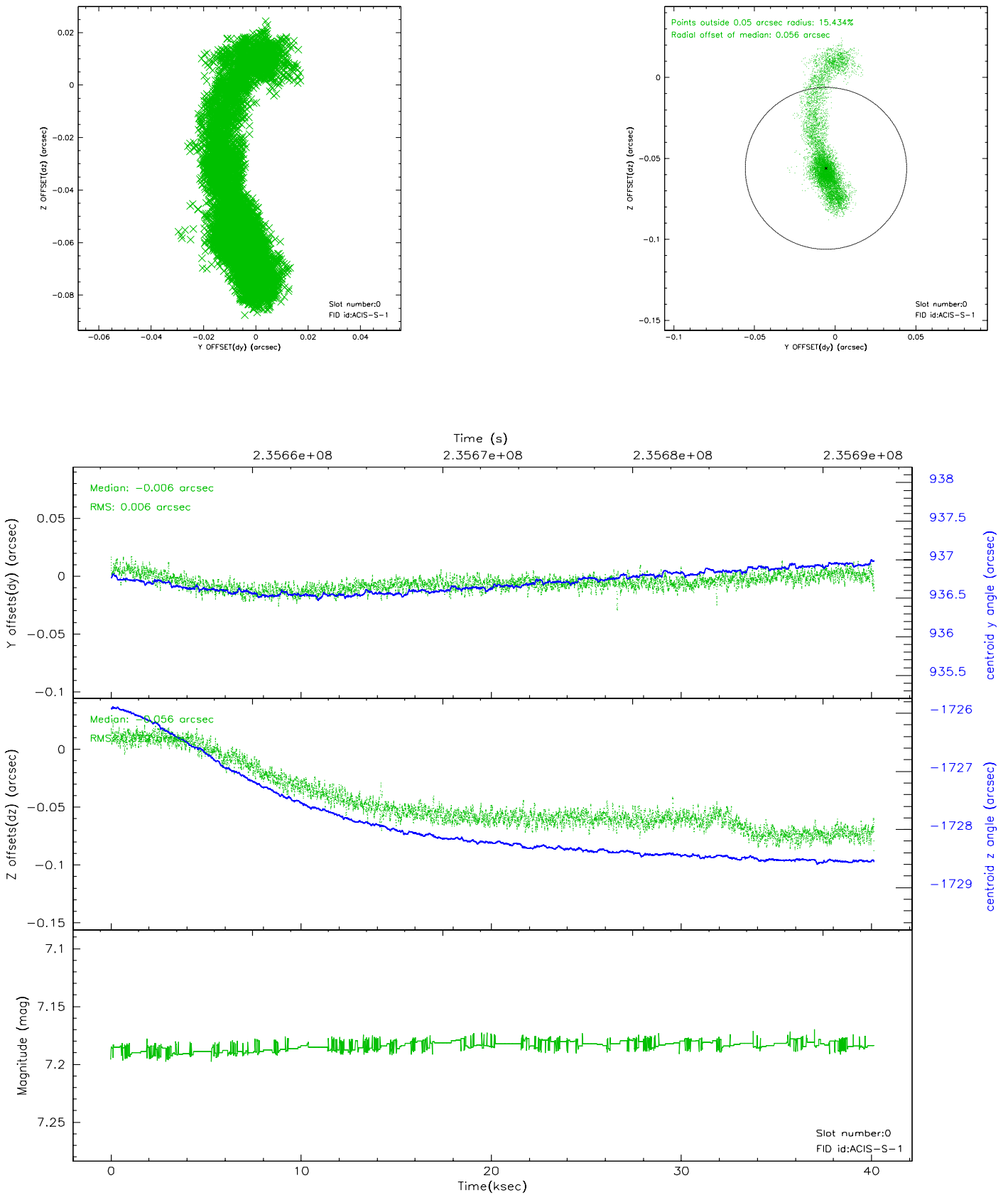


2.4.5 Slot 7

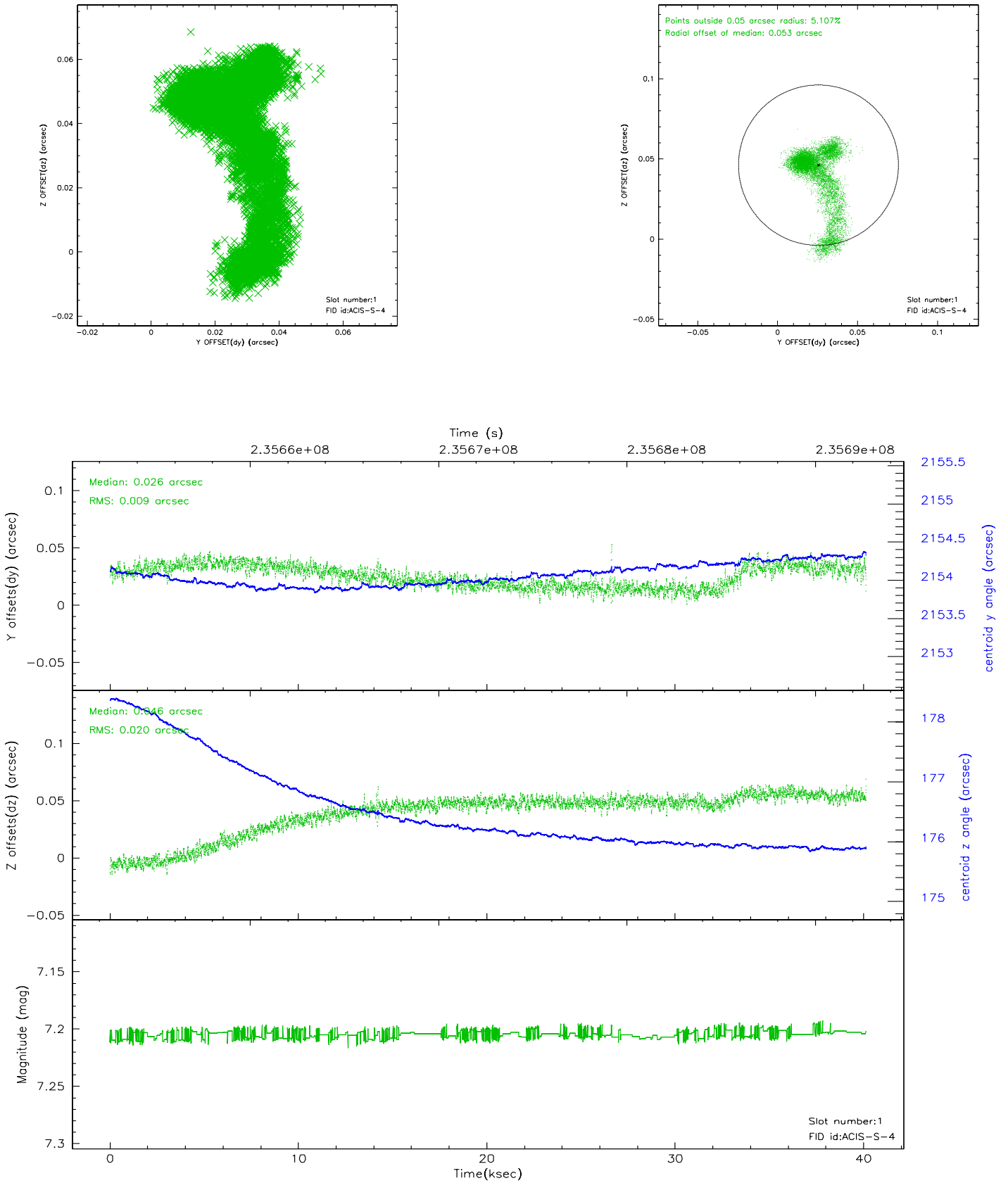


2.5 FID Slots

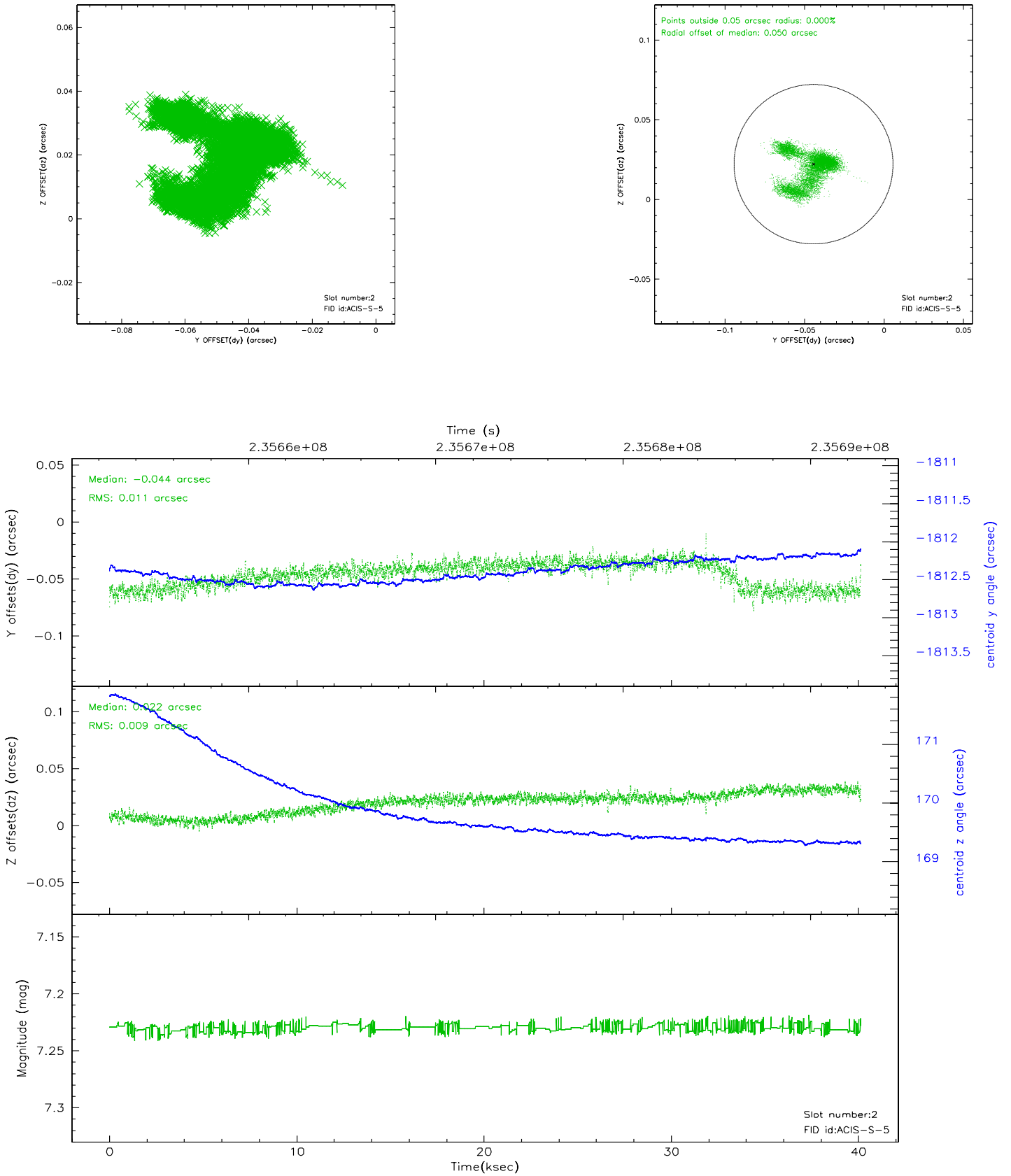
2.5.1 Slot 0



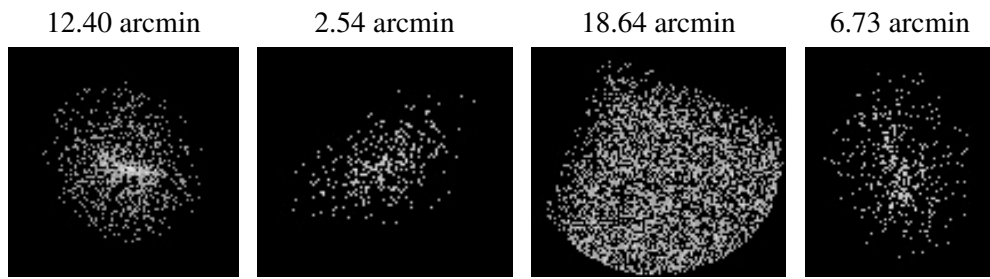
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.12949

A.2 Comments