

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4531 - L2 Version 001
Chandra X-Ray Center

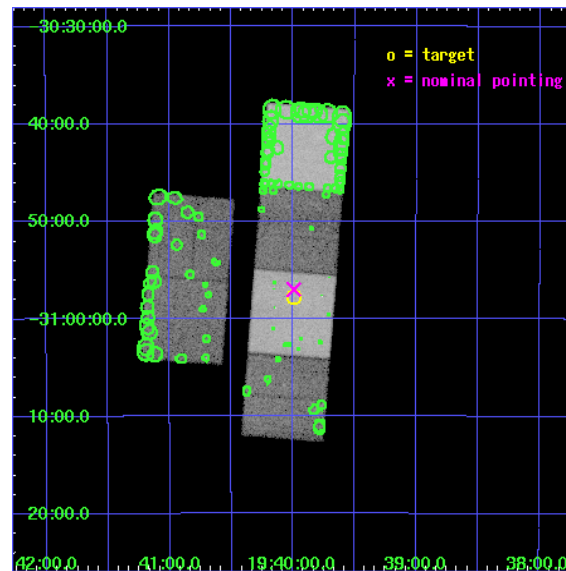
L2 Processing Date : May 18 2006

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1 Front

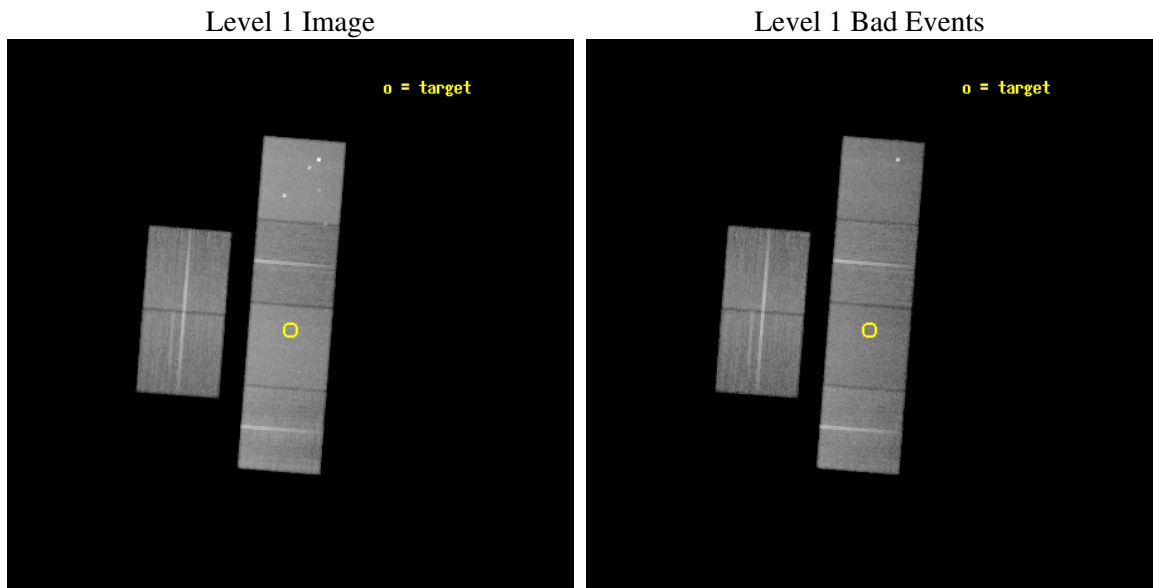
seq_num	300125
obs_id	4531
title	A Uniform Study of Globular Cluster X-ray Sources: The Keys to Cluster Dynamical Evolution
observer	Prof. Walter Lewin
object	NGC 6809
dtcycle	0
cycle	P
ra_targ	294.9975
dec_targ	-30.962222
ra_nom	294.99832635894
dec_nom	-30.94977677355
roll_nom	94.543475066539
revision	2
ontime	34156.799872756
livetime	33724.285906011
ontime2	34156.799872756
ontime3	34156.799872756
ontime5	34156.799872756
ontime6	34156.799872756
ontime7	34156.799872756
ontime8	34153.558892459
l2events	380873



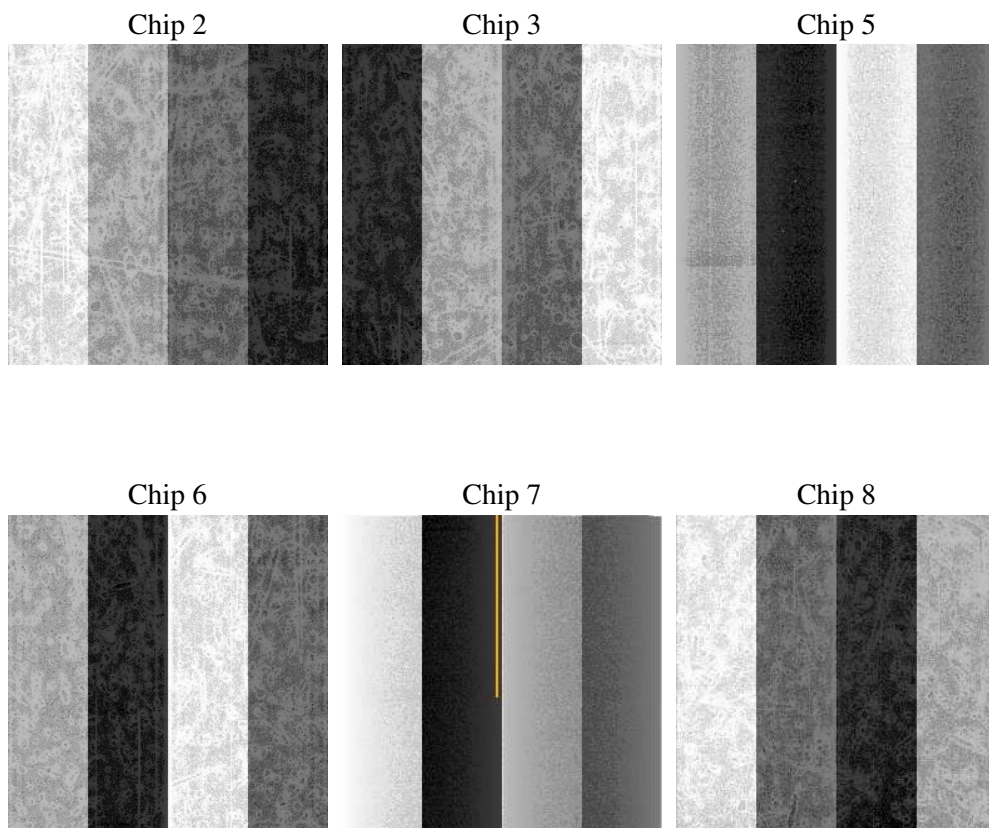
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-19T00:38:08
revision	2

sched_exp_time	34400.000000
ontime	34160.212237537
ontime2	34160.212217629
ontime3	34160.212237537
ontime5	34160.212237537
ontime6	34160.212237537
ontime7	34160.212237537
ontime8	34156.971147686
l1events	1738644

2.1.4 Events

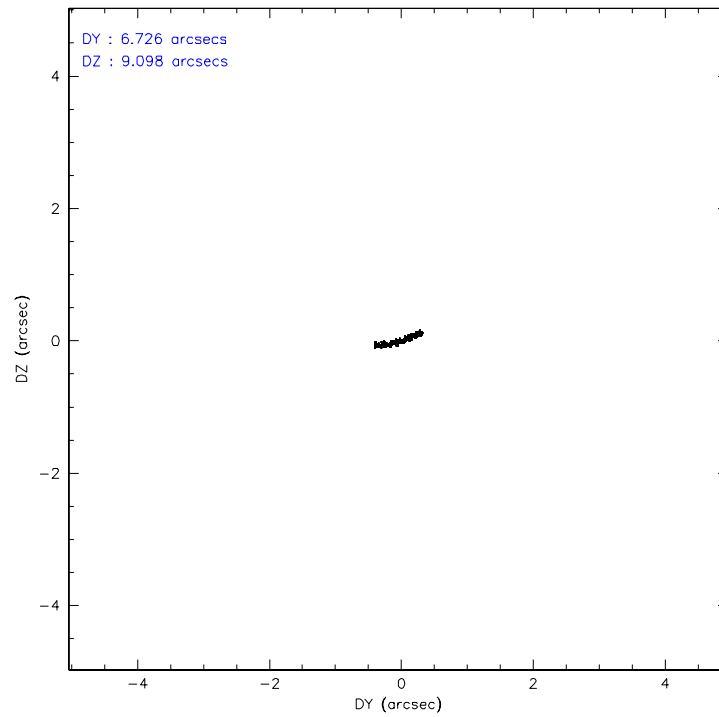
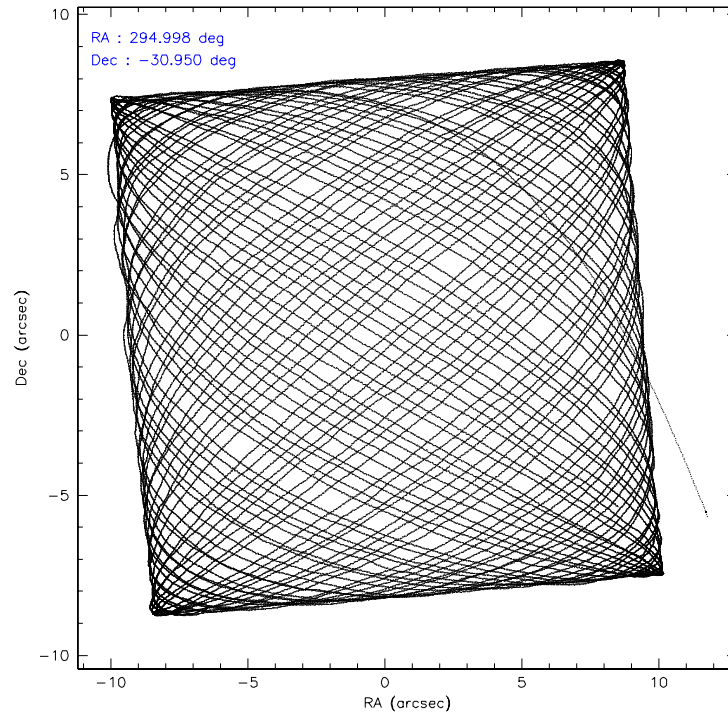
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	246954	233317	371520	246583	331400	308870
rejected events	217929	204475	205091	216896	203689	243970
rejected %	88%	87%	55%	87%	61%	78%

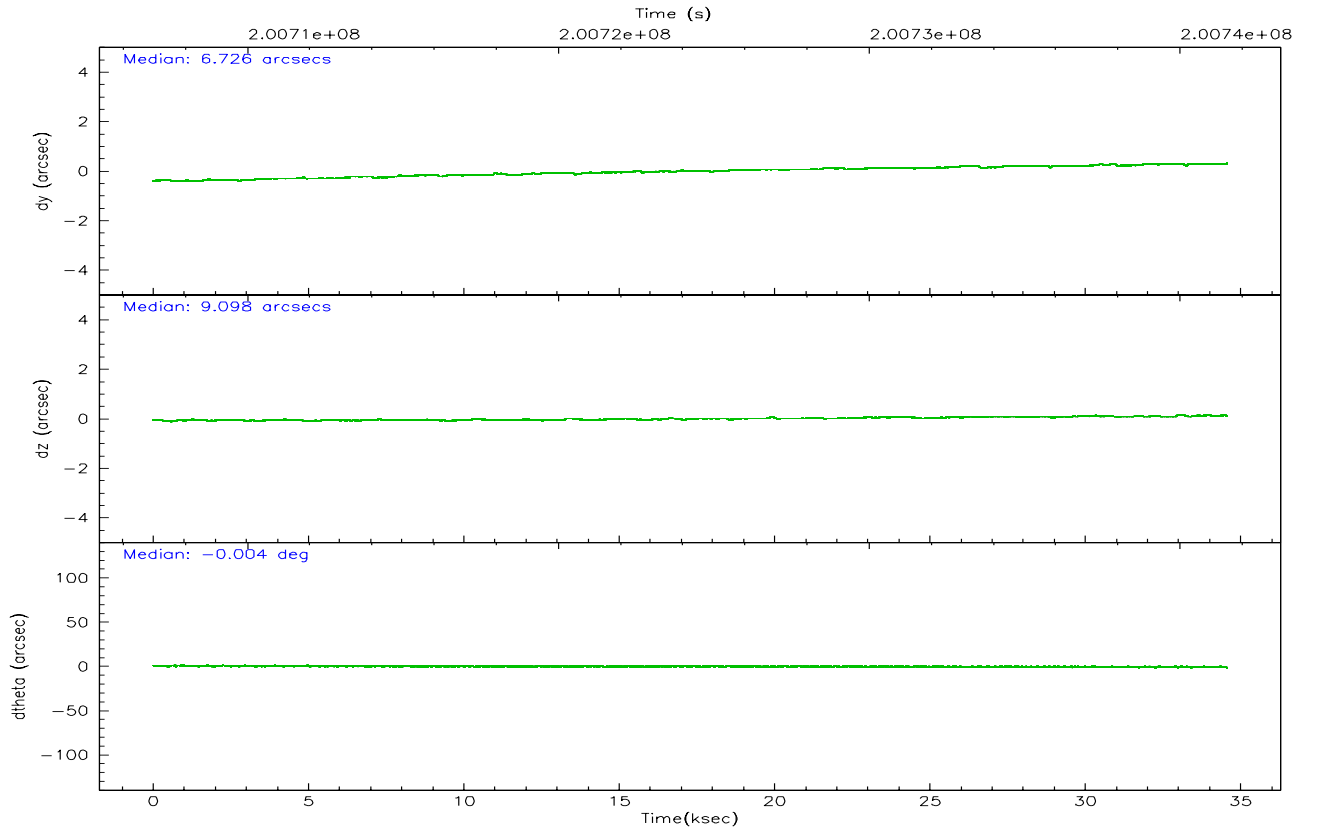
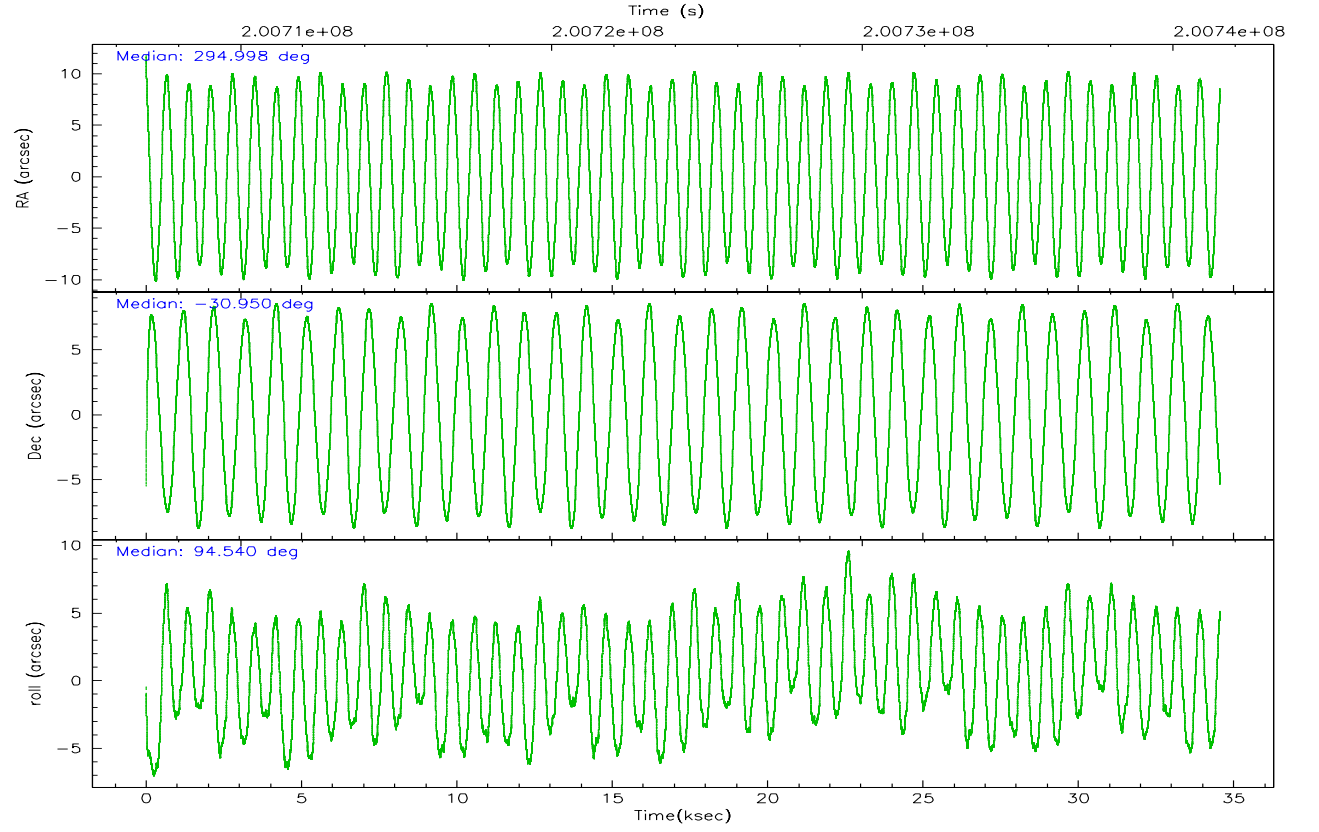
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12811	12925	15463	12286	7942	20672
	5%	5%	4%	4%	2%	6%
grade 1 events	169	148	3498	134	192	208
	0%	0%	0%	0%	0%	0%
grade 2 events	6083	5357	52872	6070	31782	14358
	2%	2%	14%	2%	9%	4%
grade 3 events	2761	2792	3485	2768	6629	6639
	1%	1%	0%	1%	2%	2%
grade 4 events	2720	2796	3596	2758	6481	6420
	1%	1%	0%	1%	1%	2%
grade 5 events	9560	10633	17453	11388	21824	14443
	3%	4%	4%	4%	6%	4%
grade 6 events	4656	4976	91027	5806	74886	16814
	1%	2%	24%	2%	22%	5%
grade 7 events	208194	193690	184126	205373	181664	229316
	84%	83%	49%	83%	54%	74%

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	295.016697	294.998326358937	Alternating exposures requested	N	N
Pointing Dec	-30.971994	-30.94977677354982	Primary exposure time	0.000000	3.2
Pointing Roll	94.396298	94.54347506653853			
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	200707126.184000	200706228.32287			
Observation start date	2004-05-11T23:57:42	2004-05-11T23:43:48			
Observation end time	200741526.184000	200742098.19946			
Observation end date	2004-05-12T09:31:02	2004-05-12T09:41:38			
Read mode	TIMED	TIMED			

2.3 Aspect



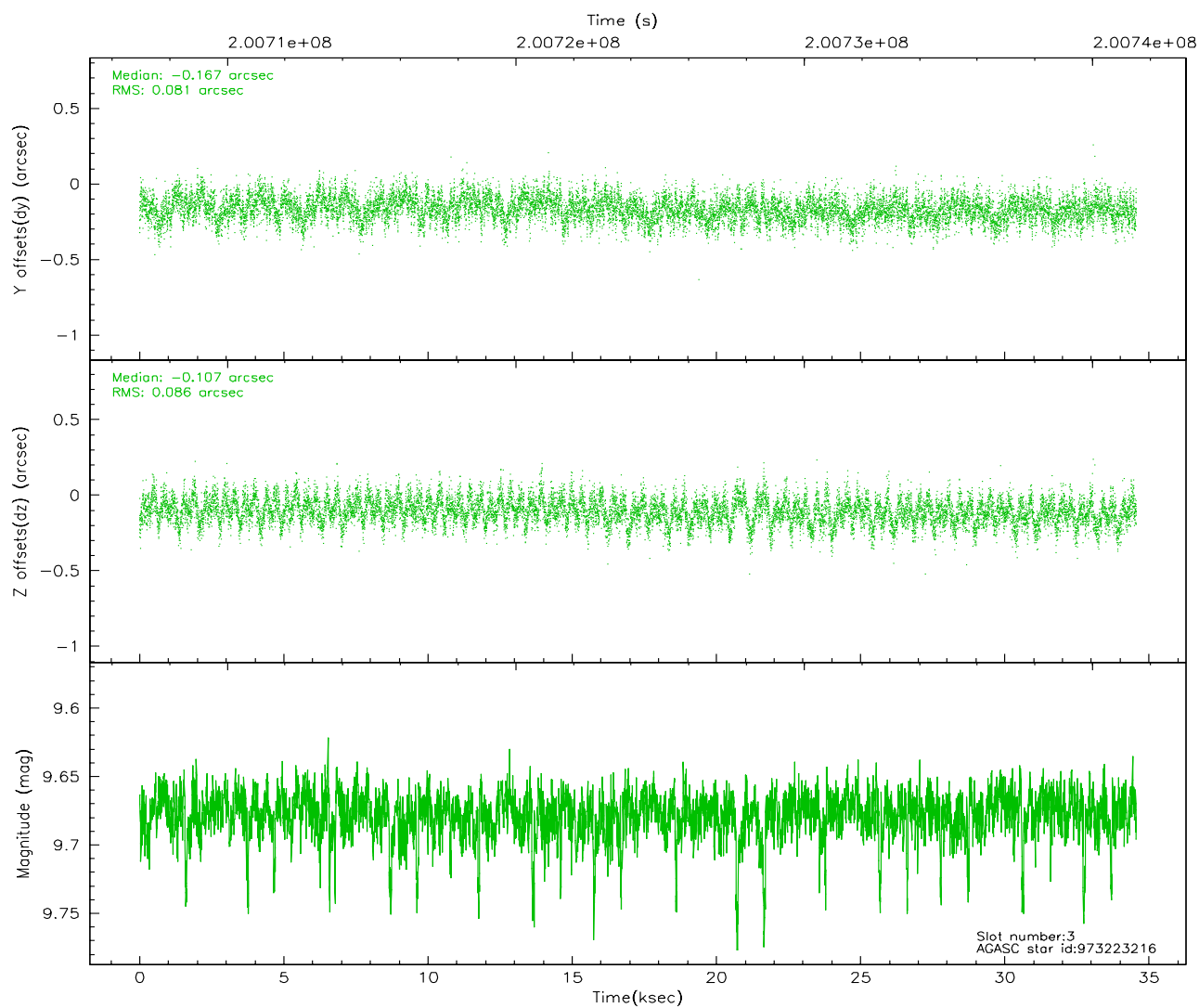
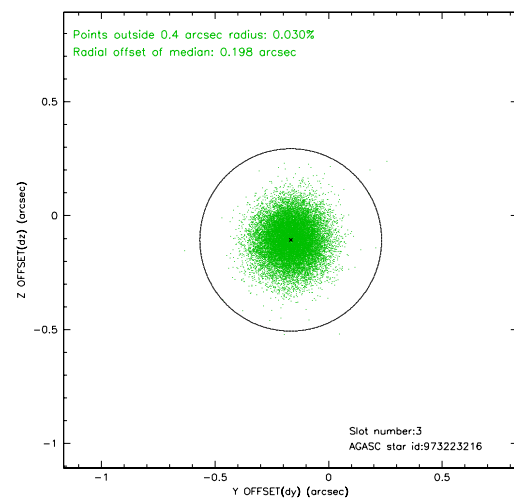
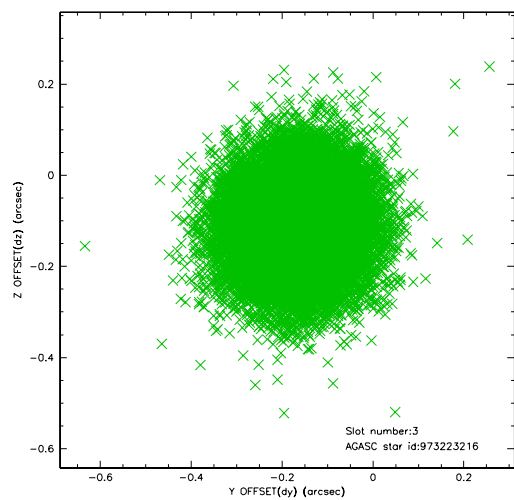


Slot Statistics

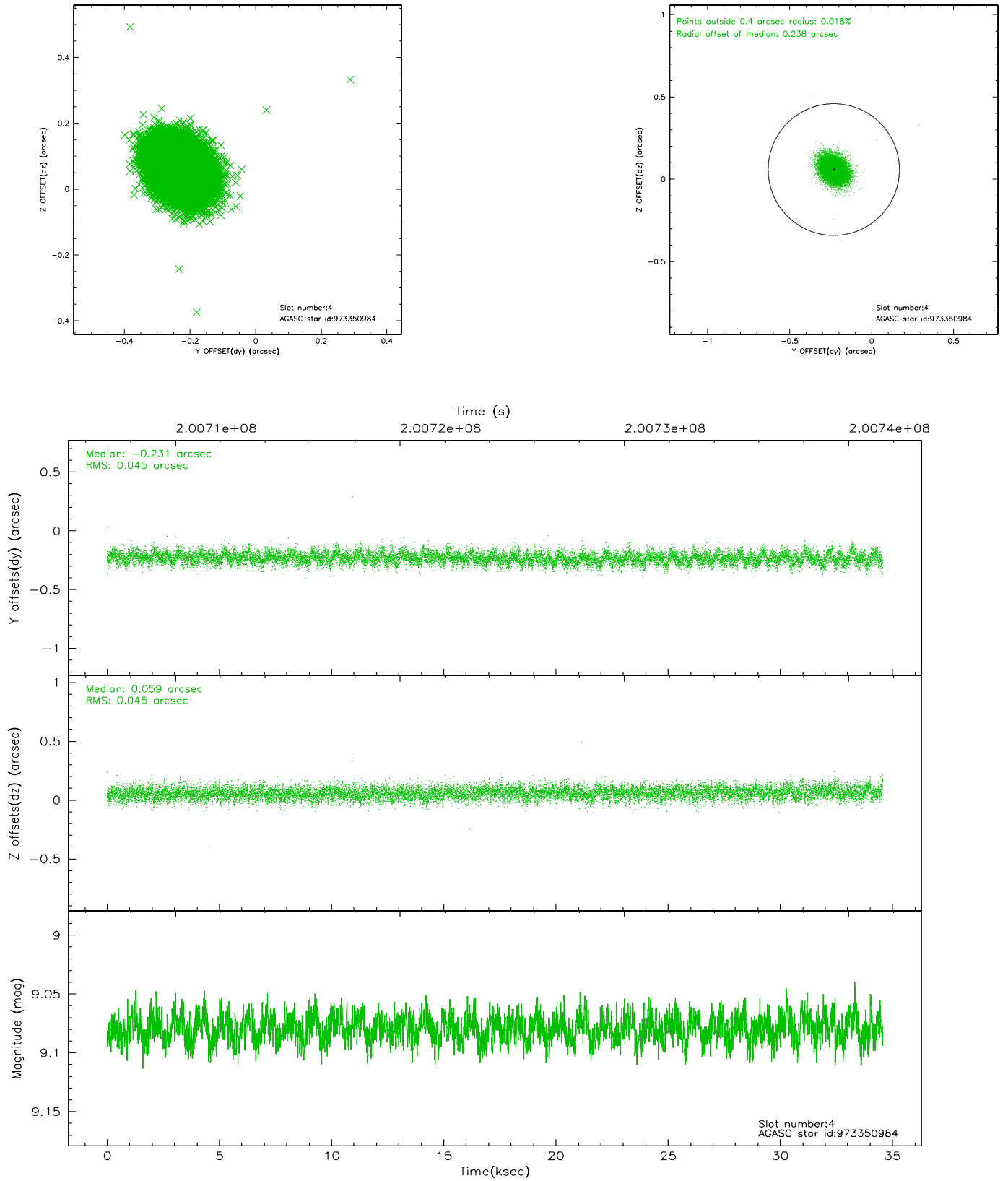
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8431	-0.029	-0.013	0.013	0.019	0.000000	0.000000	-759.47	-1730.35
1	FID	ACIS-S-4	7.20	8432	0.029	0.017	0.017	0.024	0.000000	0.000000	2153.84	178.14
2	FID	ACIS-S-5	7.23	8432	-0.035	0.006	0.011	0.016	0.000000	0.000000	-1812.27	171.83
3	GUIDE	973223216	9.68	16847	-0.167	-0.107	0.126	0.202	294.283723	-30.379145	2295.05	2106.91
4	GUIDE	973350984	9.08	16858	-0.231	0.059	0.066	0.110	295.430415	-30.606374	1211.96	-1378.51
5	GUIDE	973355576	9.20	16856	0.160	-0.194	0.095	0.153	294.864100	-31.349834	-1320.17	571.80
6	GUIDE	973355664	9.36	16787	0.060	0.192	0.114	0.187	295.809477	-31.112987	-701.77	-2396.40
7	GUIDE	973357344	9.08	16855	0.178	0.061	0.082	0.135	295.087173	-31.269269	-1083.44	-134.31

2.4 Star Slots

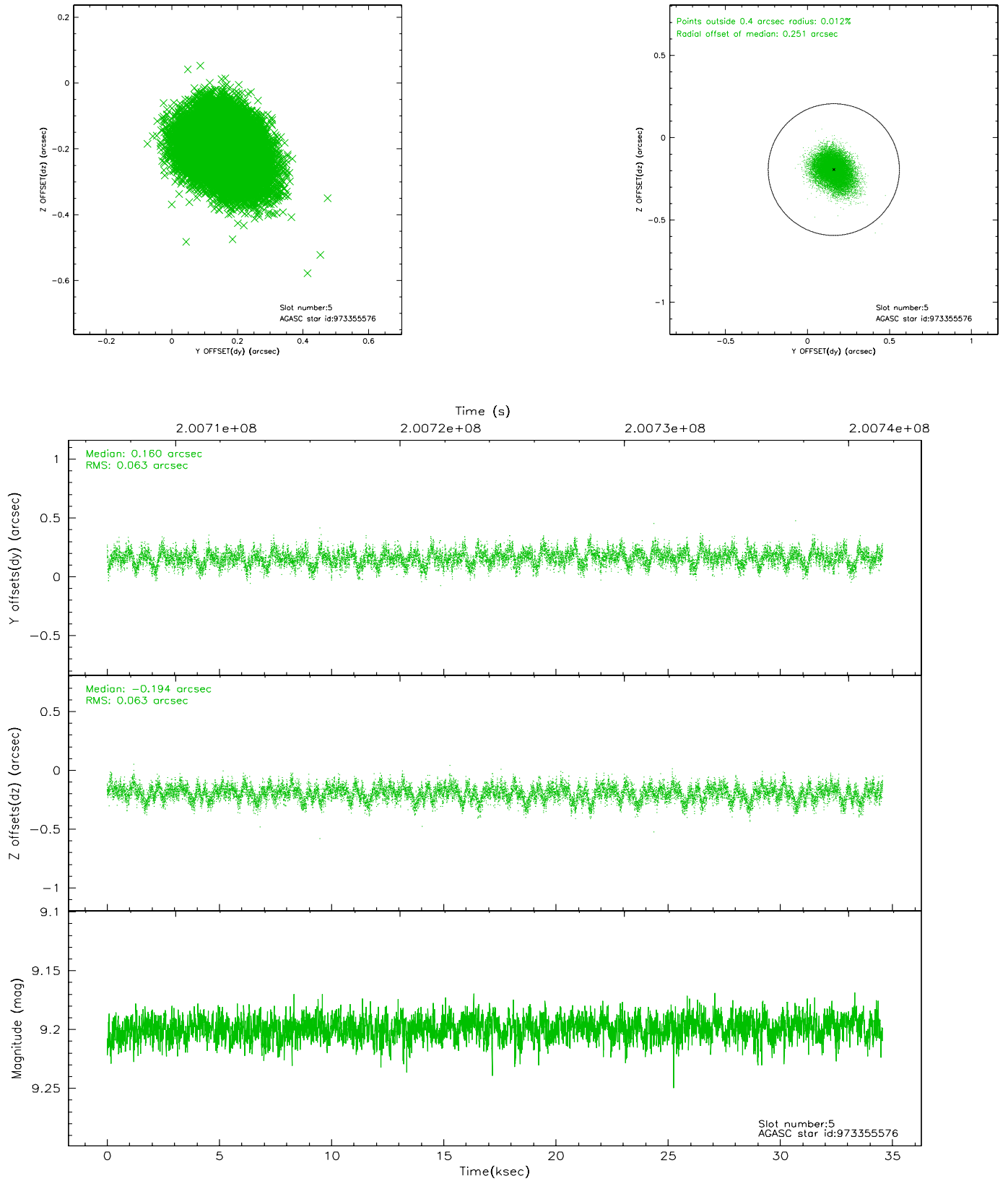
2.4.1 Slot 3



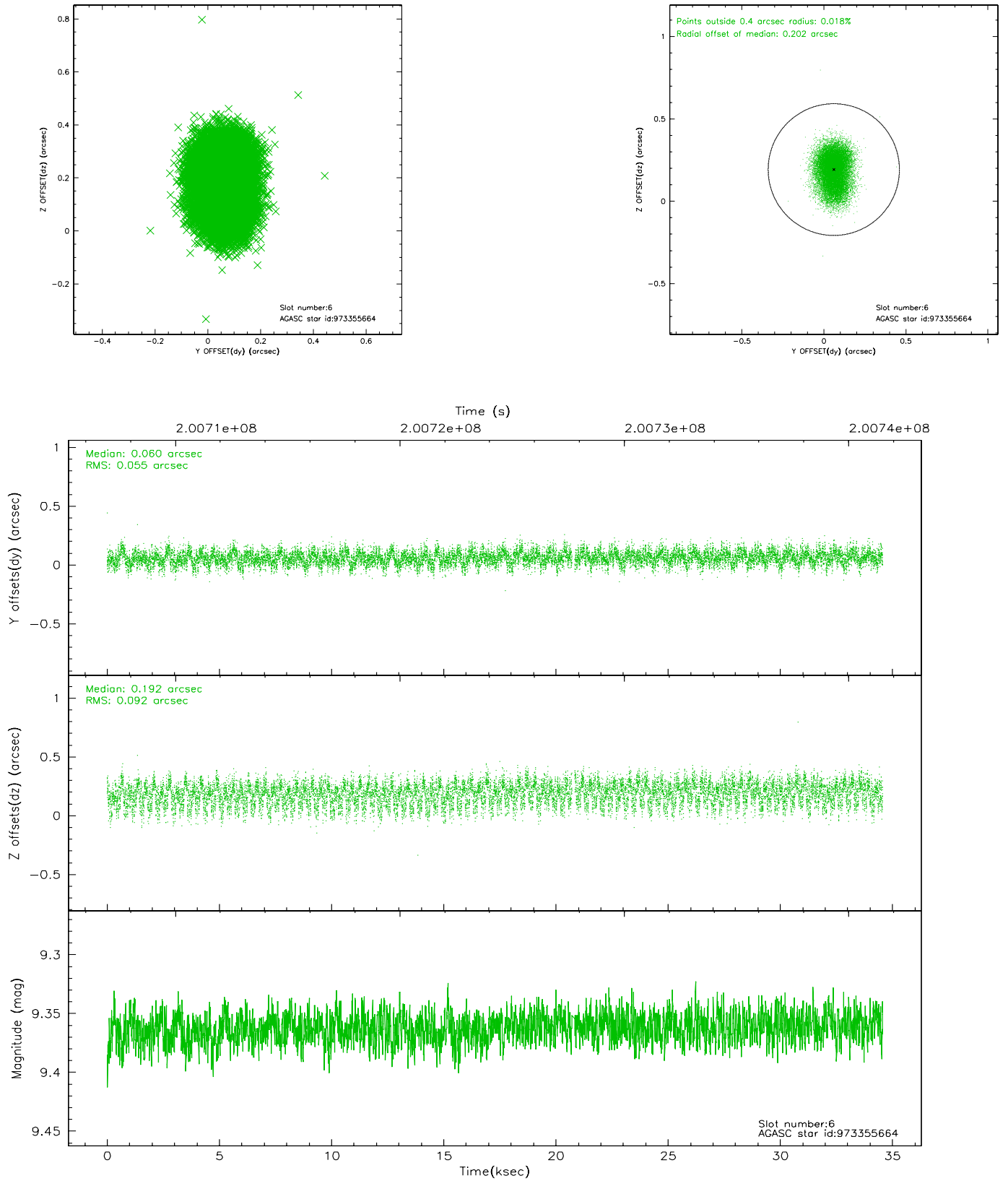
2.4.2 Slot 4



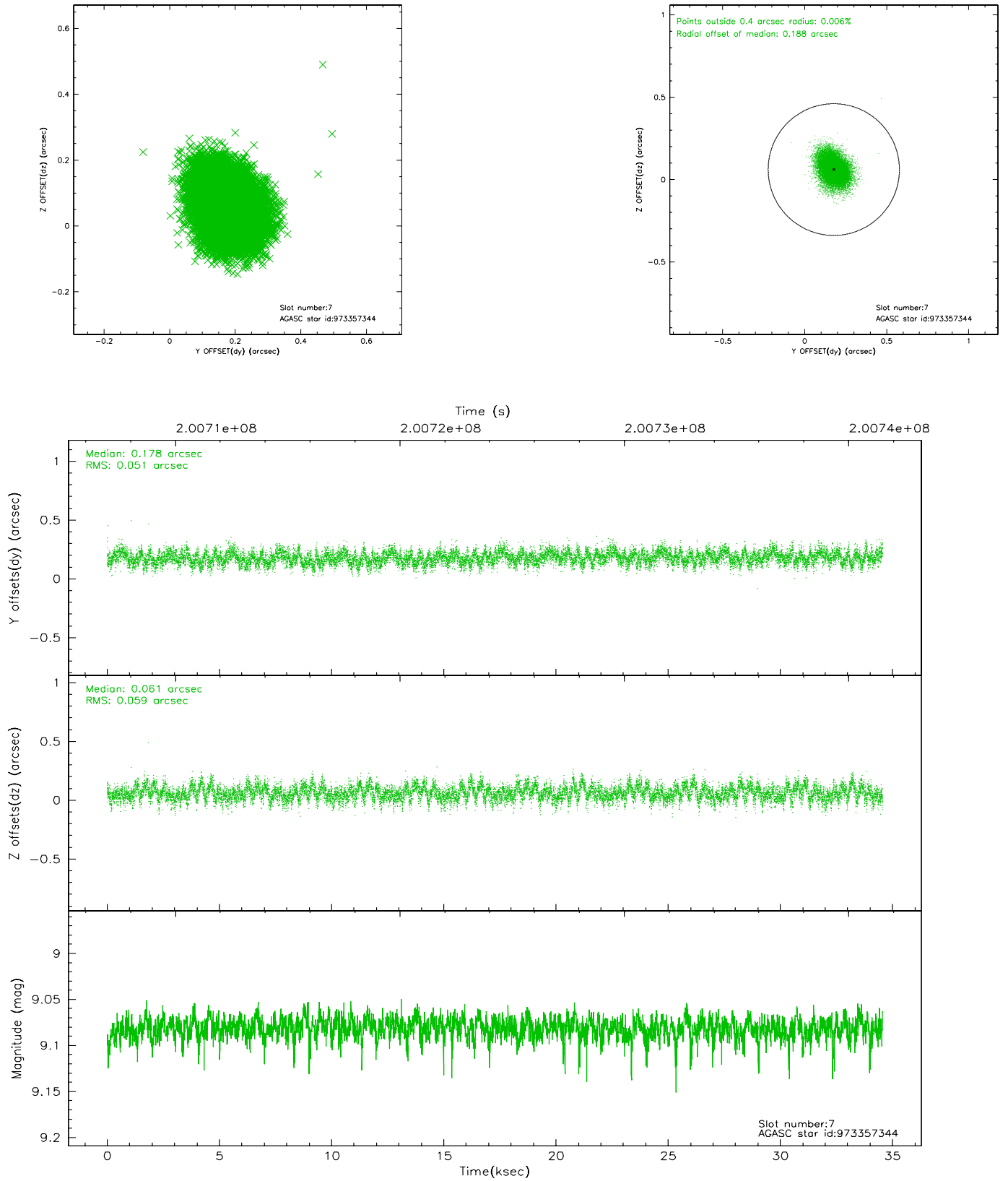
2.4.3 Slot 5



2.4.4 Slot 6

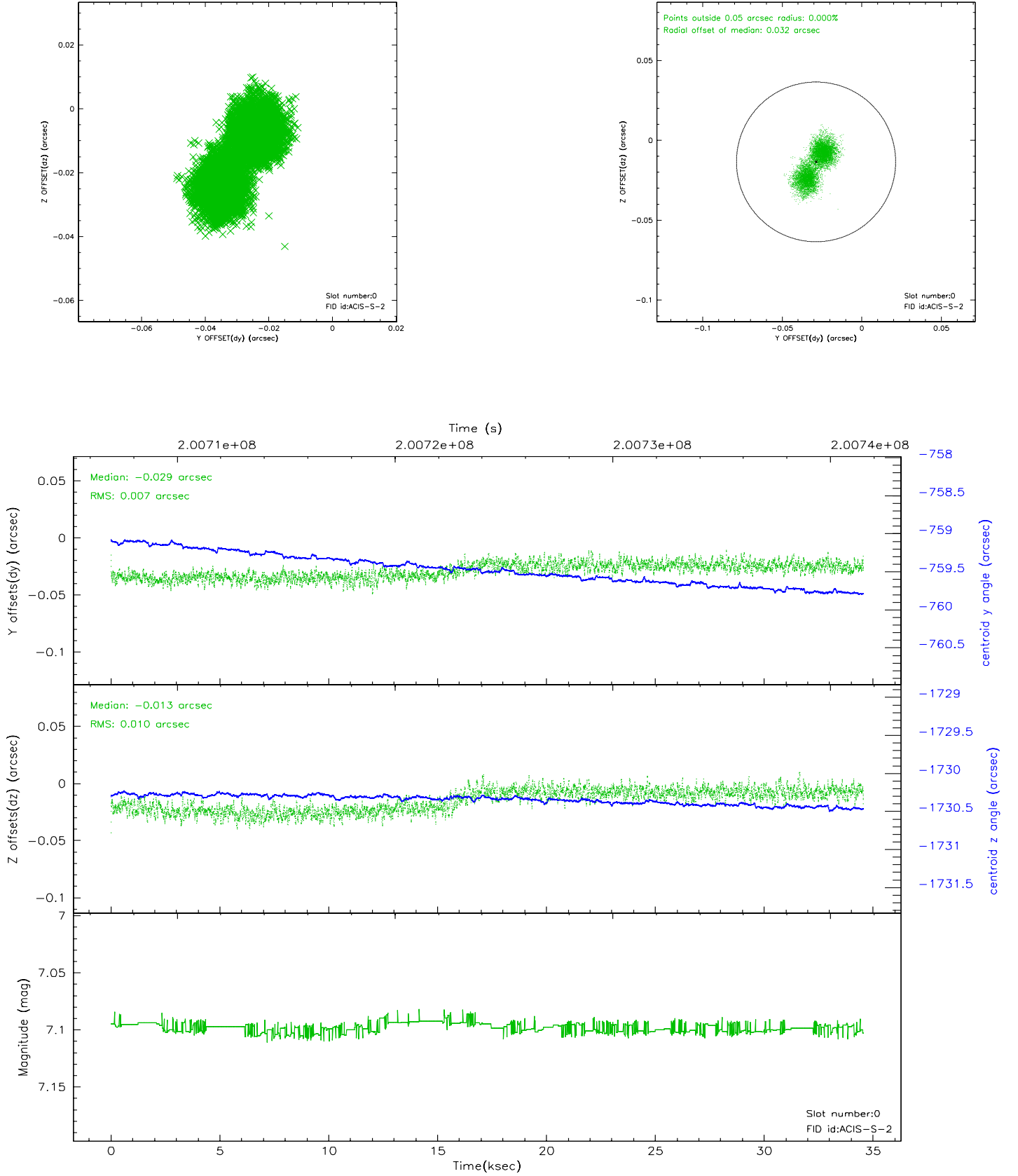


2.4.5 Slot 7

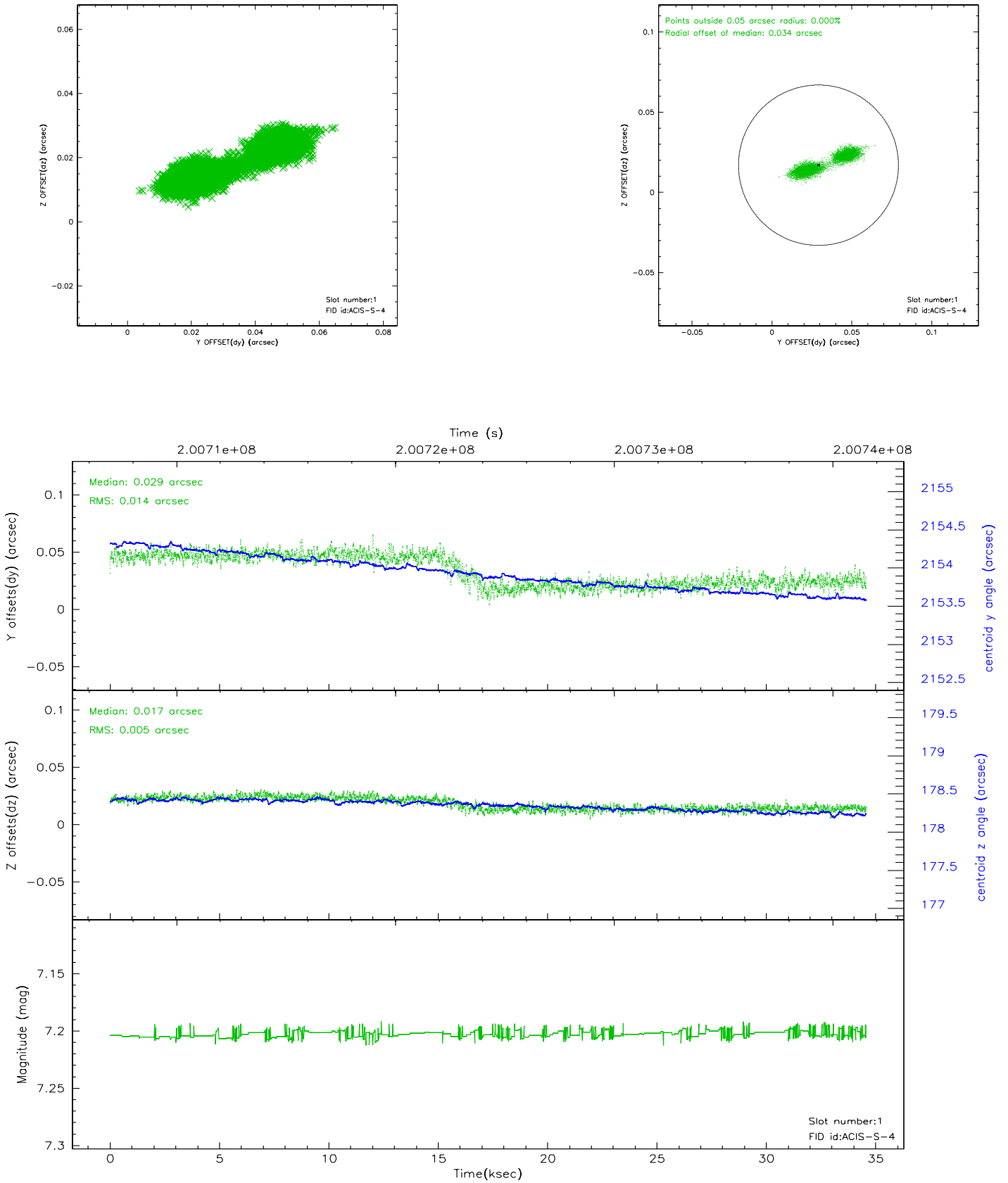


2.5 FID Slots

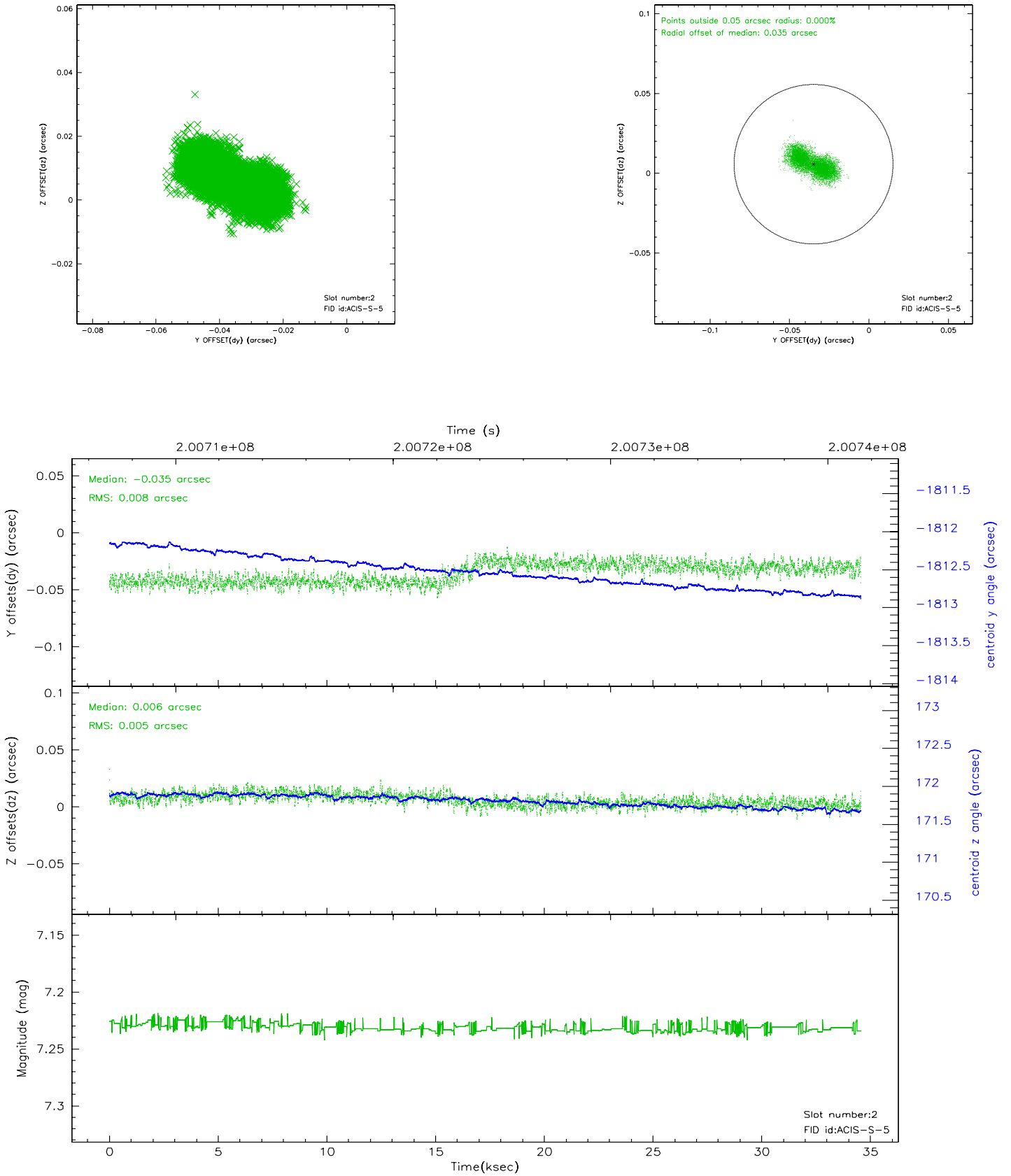
2.5.1 Slot 0



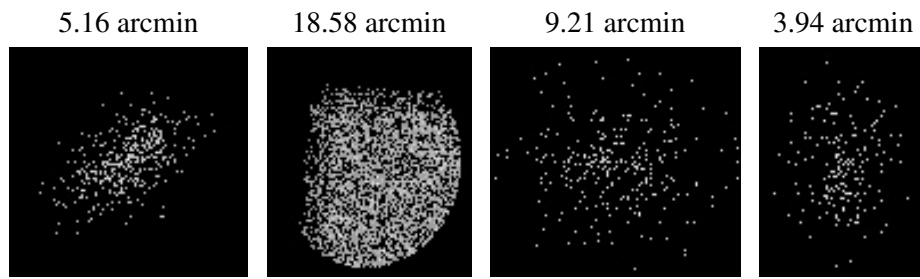
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.156

A.2 Comments