

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4962 - L2 Version 001
Chandra X-Ray Center

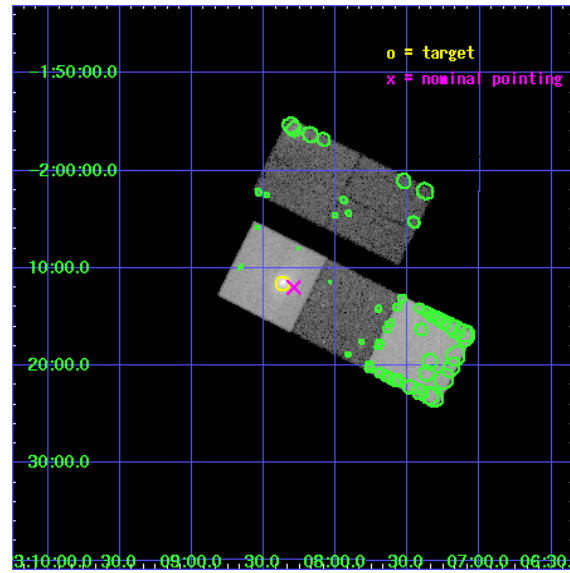
L2 Processing Date : Apr 19 2006

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1 Front

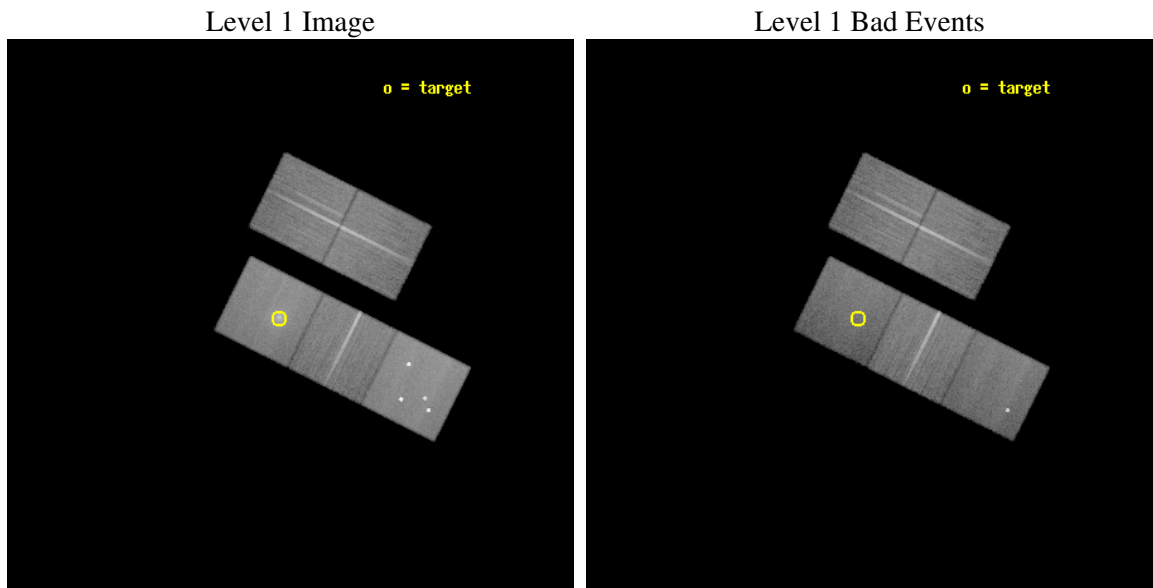
seq_num	800408
obs_id	4962
title	A Chandra Study of the relaxed lensing cluster Abell 2537
observer	Dr Steven Allen
object	Abell 2537
dtcycle	0
cycle	P
ra_targ	347.092083
dec_targ	-2.192222
ra_nom	347.07279830388
dec_nom	-2.1999039469881
roll_nom	206.48552470659
revision	2
ontime	36672.999929488
livetime	36193.840187139
ontime2	36666.717969
ontime3	36663.577008694
ontime5	36672.999929488
ontime6	36666.717978984
ontime7	36672.999929488
l2events	317670



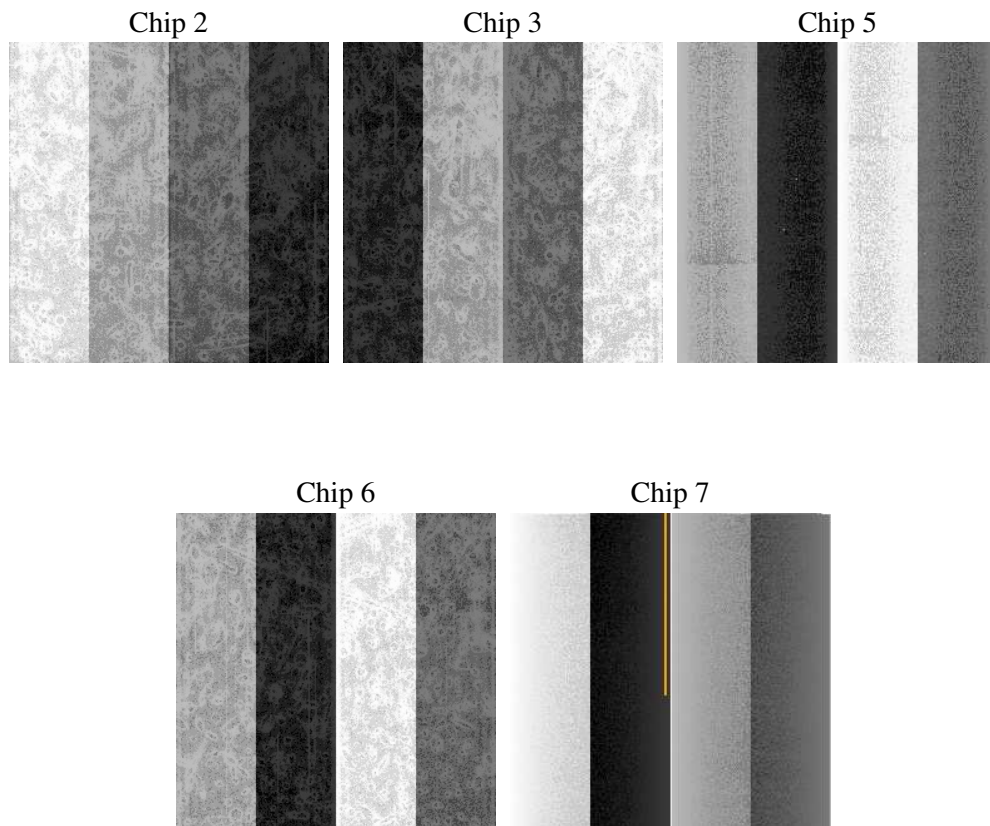
2 OBI

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	2006-04-19T14:33:54
revision	2

sched_exp_time	36500.000000
ontime	37773.760955602
ontime2	37767.478995115
ontime3	37764.338034809
ontime5	37773.760955602
ontime6	37767.479005098
ontime7	37773.760955602
l1events	1365803

2.1.4 Events

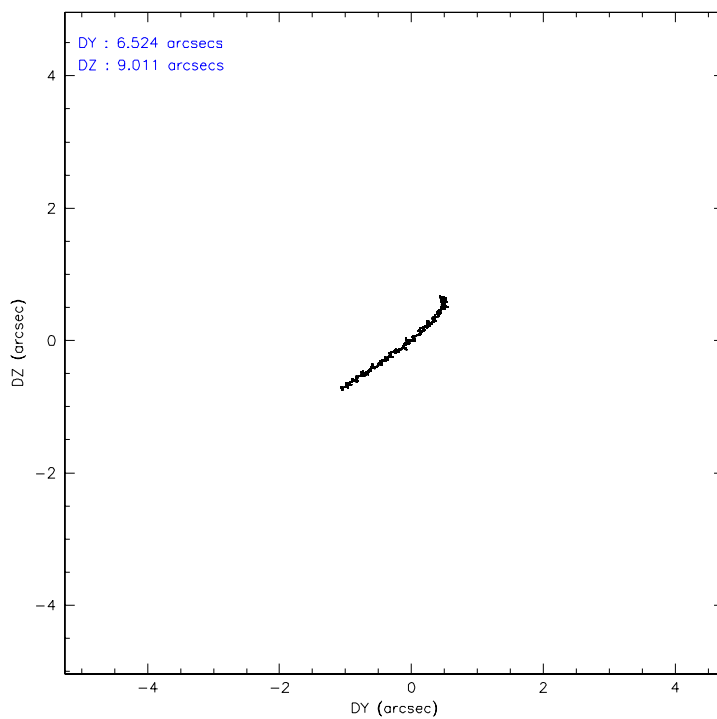
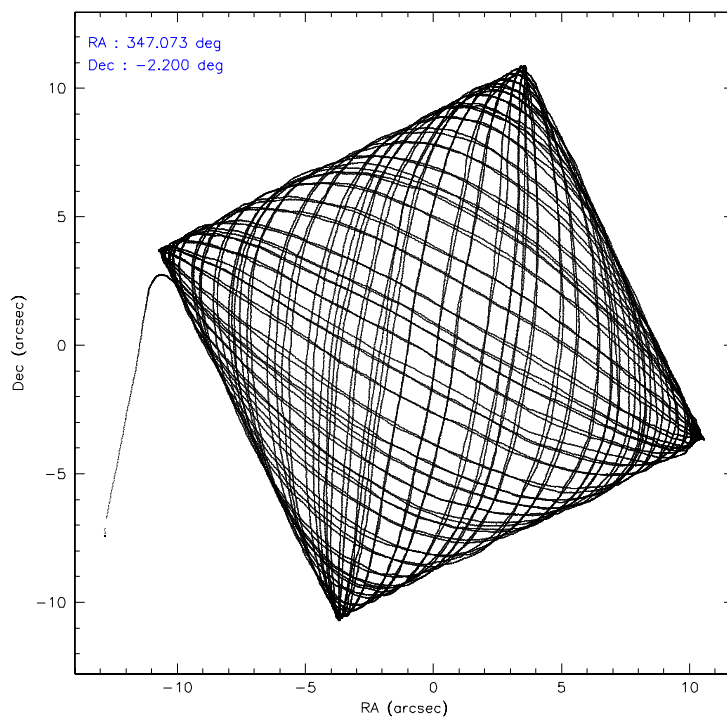
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	246982	241784	345457	246734	284846
rejected events	225431	218793	179077	222337	159705
rejected %	91%	90%	51%	90%	56%

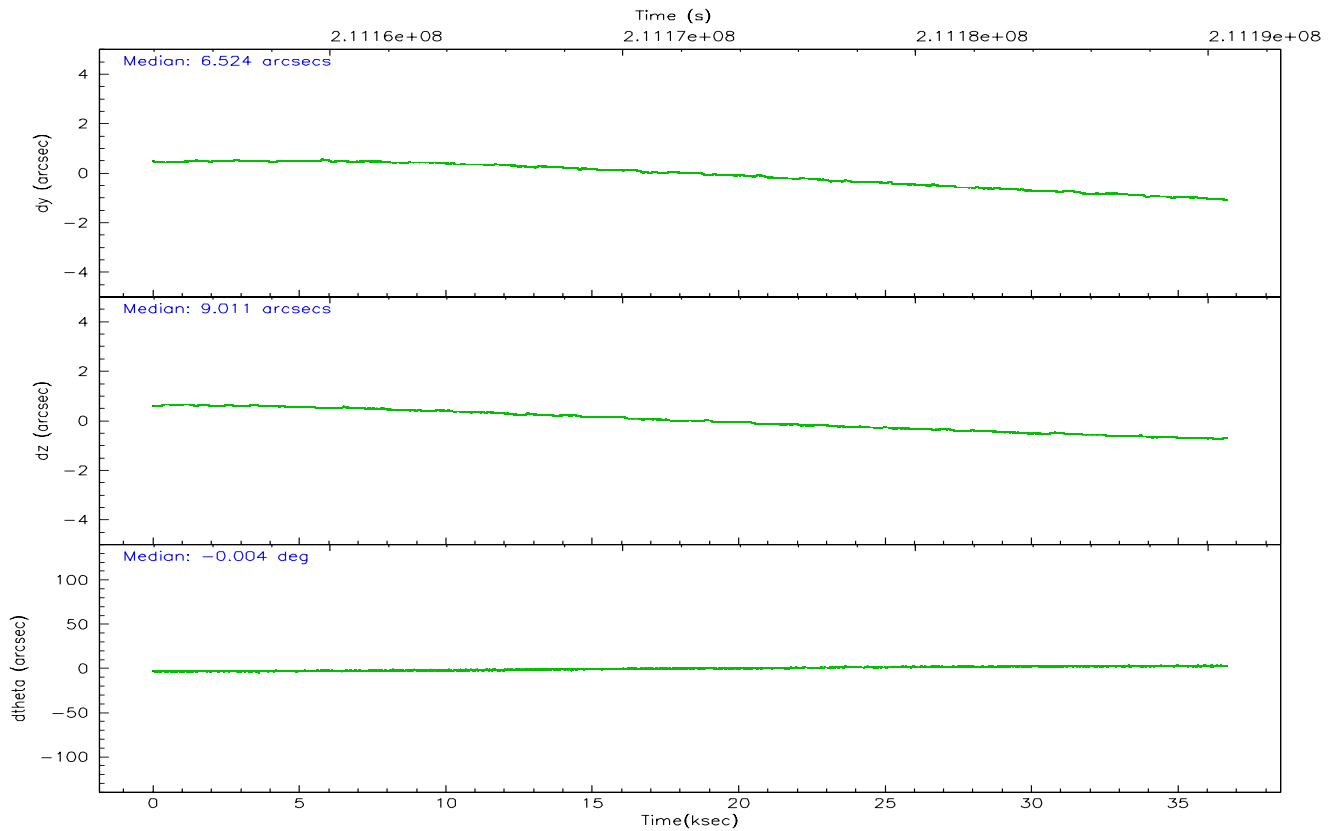
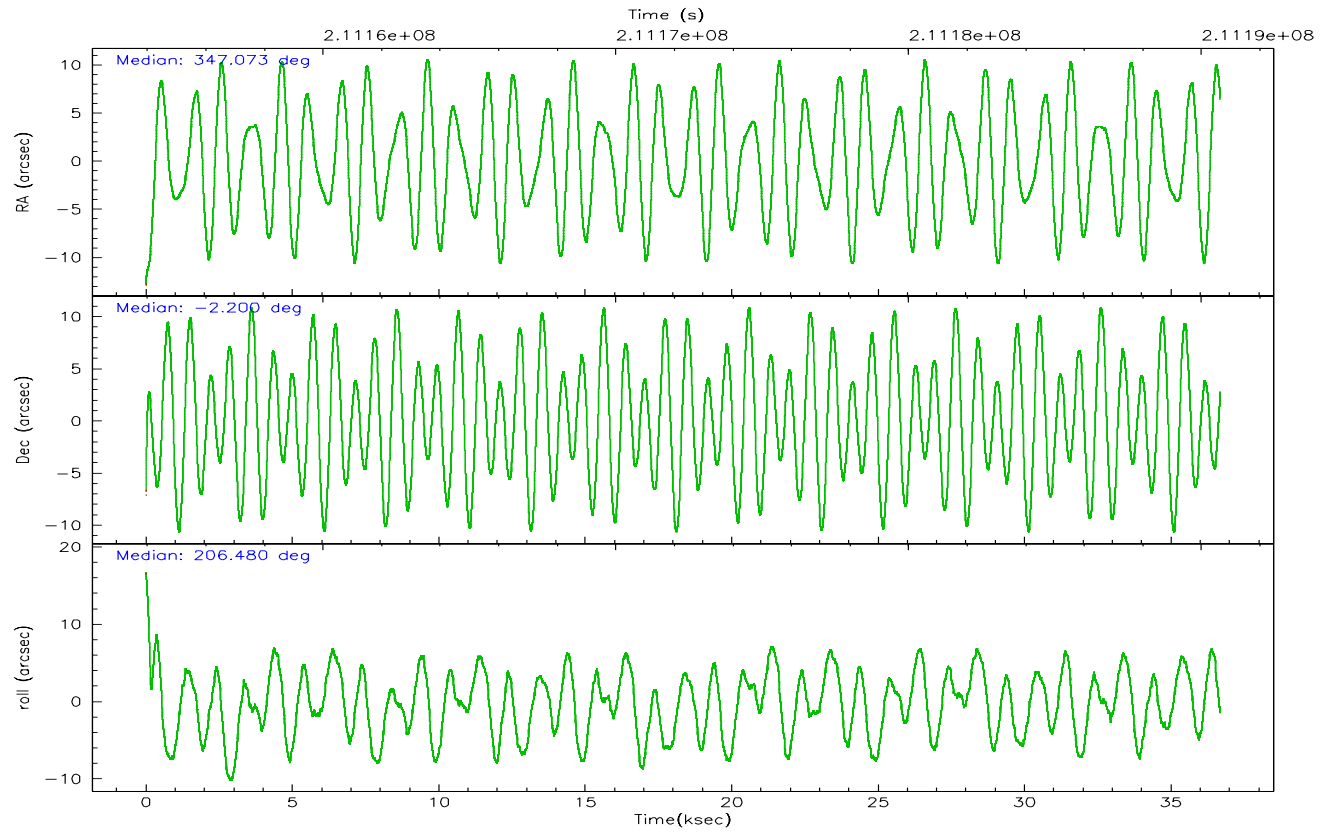
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	7819	9071	27959	8774	11206
	3%	3%	8%	3%	3%
grade 1 events	110	106	107	104	138
	0%	0%	0%	0%	0%
grade 2 events	5036	4836	48253	5303	32193
	2%	2%	13%	2%	11%
grade 3 events	2630	2683	3761	2768	8317
	1%	1%	1%	1%	2%
grade 4 events	2623	2687	3488	2880	8009
	1%	1%	1%	1%	2%
grade 5 events	7734	9045	16934	9371	19689
	3%	3%	4%	3%	6%
grade 6 events	4060	4388	87584	5411	68748
	1%	1%	25%	2%	24%
grade 7 events	216970	208968	157371	212123	136546
	87%	86%	45%	85%	47%

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	347.087517	347.0727983038806	Alternating exposures requested	N	N
Pointing Dec	-2.177005	-2.19990394698808	Primary exposure time	0.000000	3.1
Pointing Roll	206.329457	206.4855247065862			
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	211154136.184000	211152590.59882			
Observation start date	2004-09-09T21:54:32	2004-09-09T21:29:50			
Observation end time	211190636.184000	211192413.90059			
Observation end date	2004-09-10T08:02:52	2004-09-10T08:33:33			
Read mode	TIMED	TIMED			

2.3 Aspect



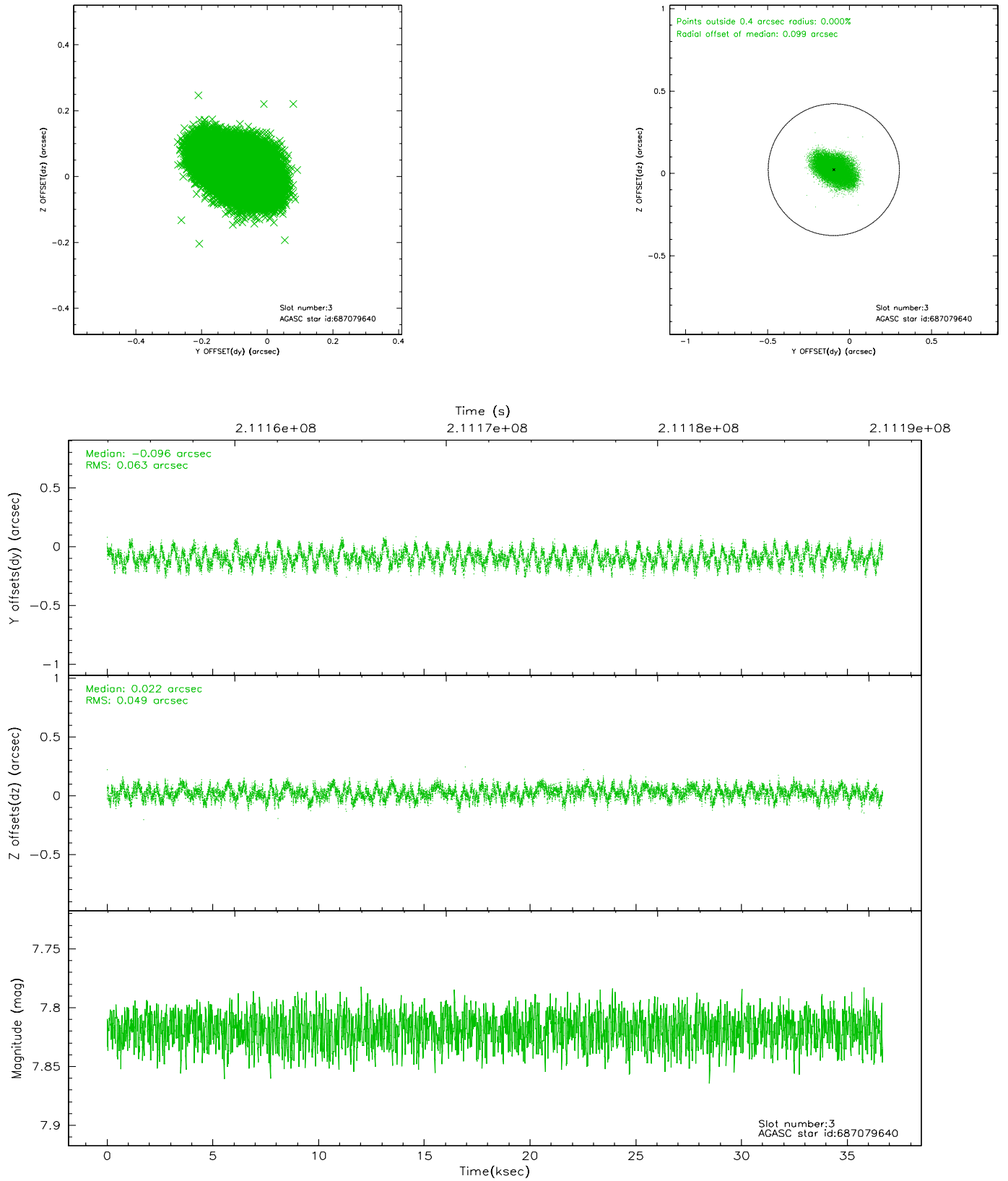


Slot Statistics

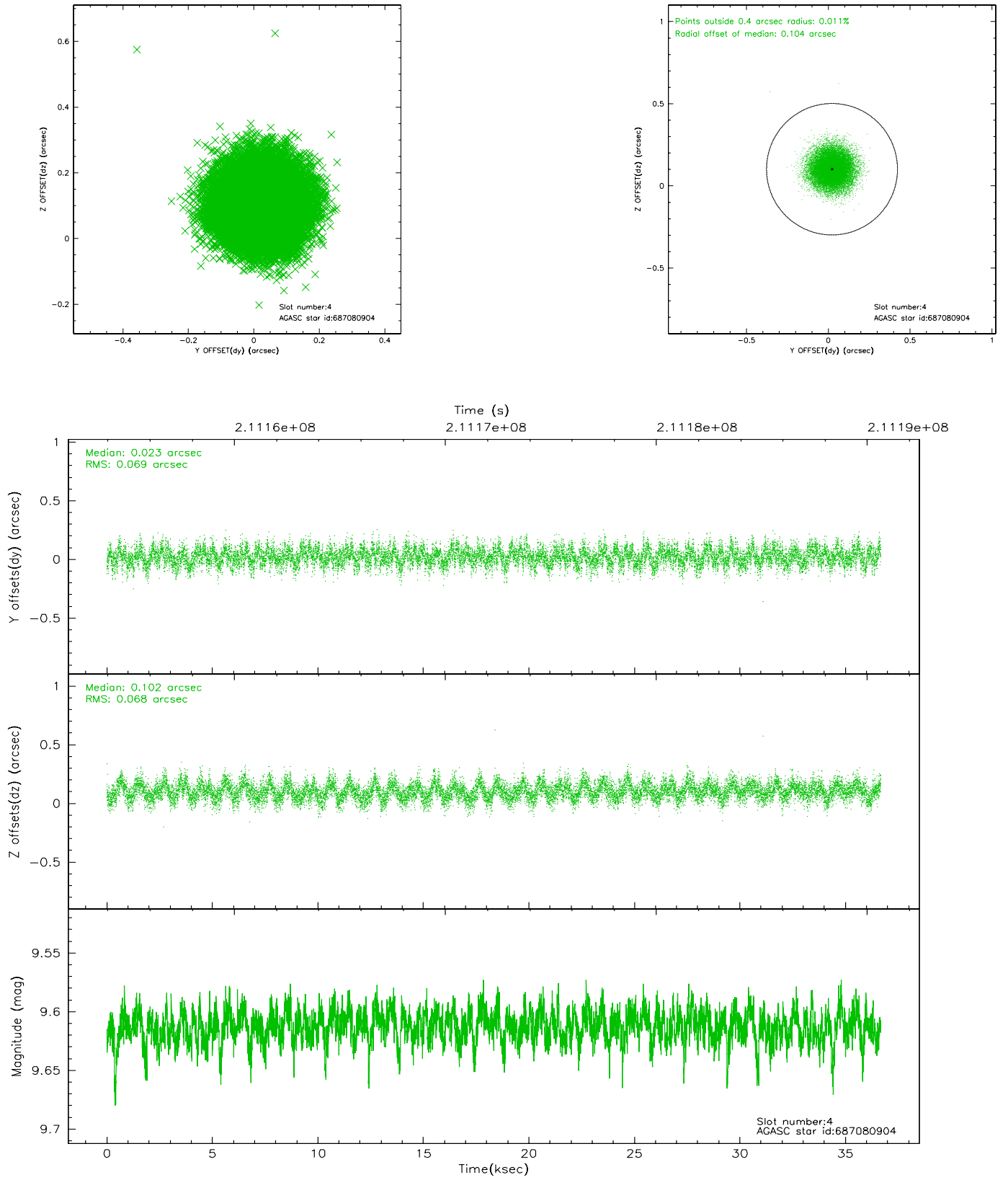
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8948	-0.034	-0.019	0.017	0.023	0.000000	0.000000	-759.19	-1730.26
1	FID	ACIS-S-4	7.21	8948	0.040	0.021	0.015	0.023	0.000000	0.000000	2154.14	178.25
2	FID	ACIS-S-5	7.23	8947	-0.039	0.007	0.015	0.021	0.000000	0.000000	-1812.01	171.92
3	GUIDE	687079640	7.82	17892	-0.096	0.022	0.087	0.138	347.267378	-2.452643	-139.67	1176.58
4	GUIDE	687080904	9.61	17877	0.023	0.102	0.105	0.164	347.082061	-2.473019	490.45	946.88
5	GUIDE	687082272	9.13	17884	0.027	0.029	0.085	0.135	346.918862	-2.105440	429.95	-499.56
6	GUIDE	687082408	10.26	17874	-0.022	-0.079	0.207	0.321	346.362100	-2.074282	2175.80	-1488.05
7	GUIDE	687211608	10.14	17868	0.069	-0.064	0.218	0.363	347.915332	-2.490272	-2167.04	2332.08

2.4 Star Slots

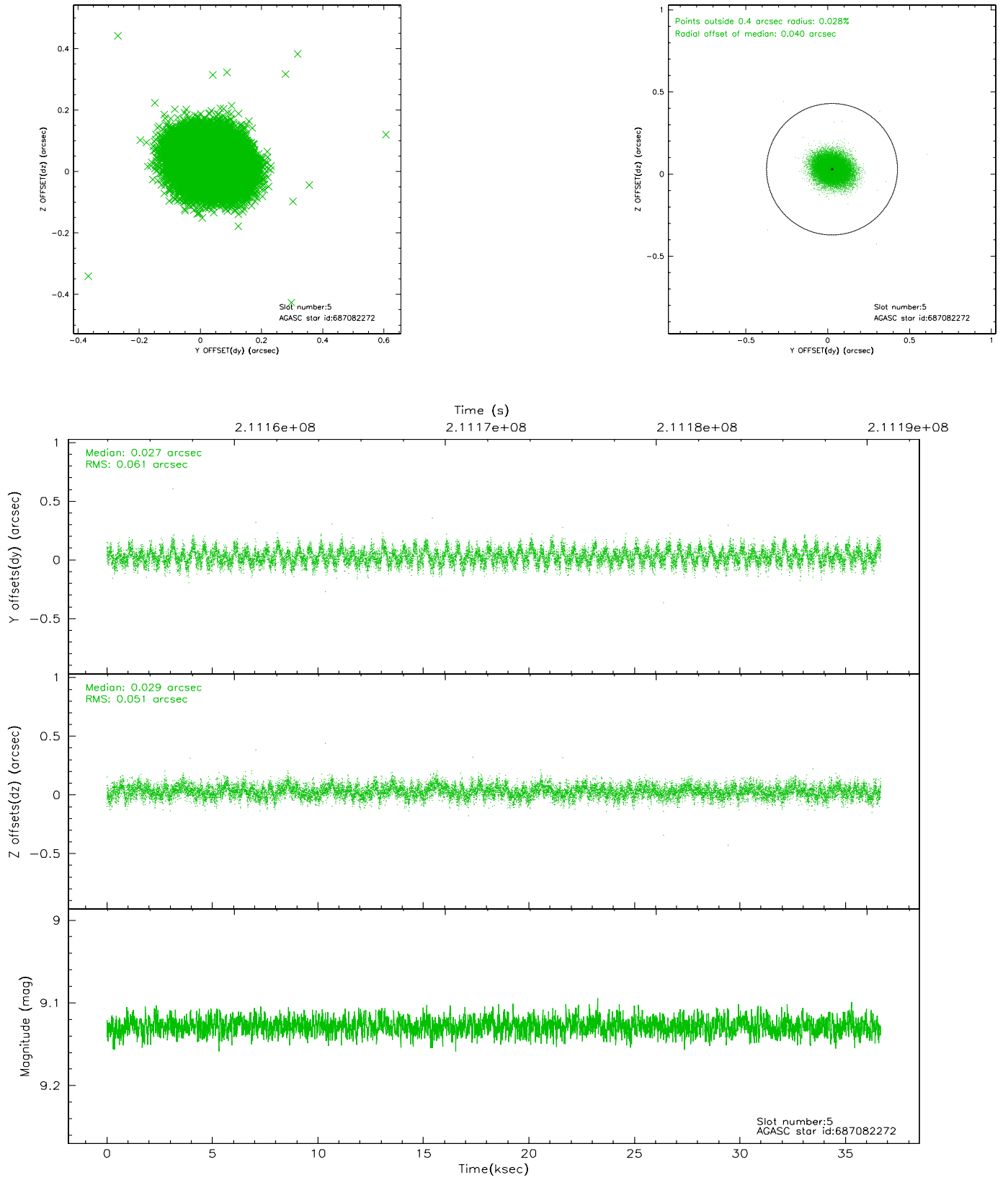
2.4.1 Slot 3



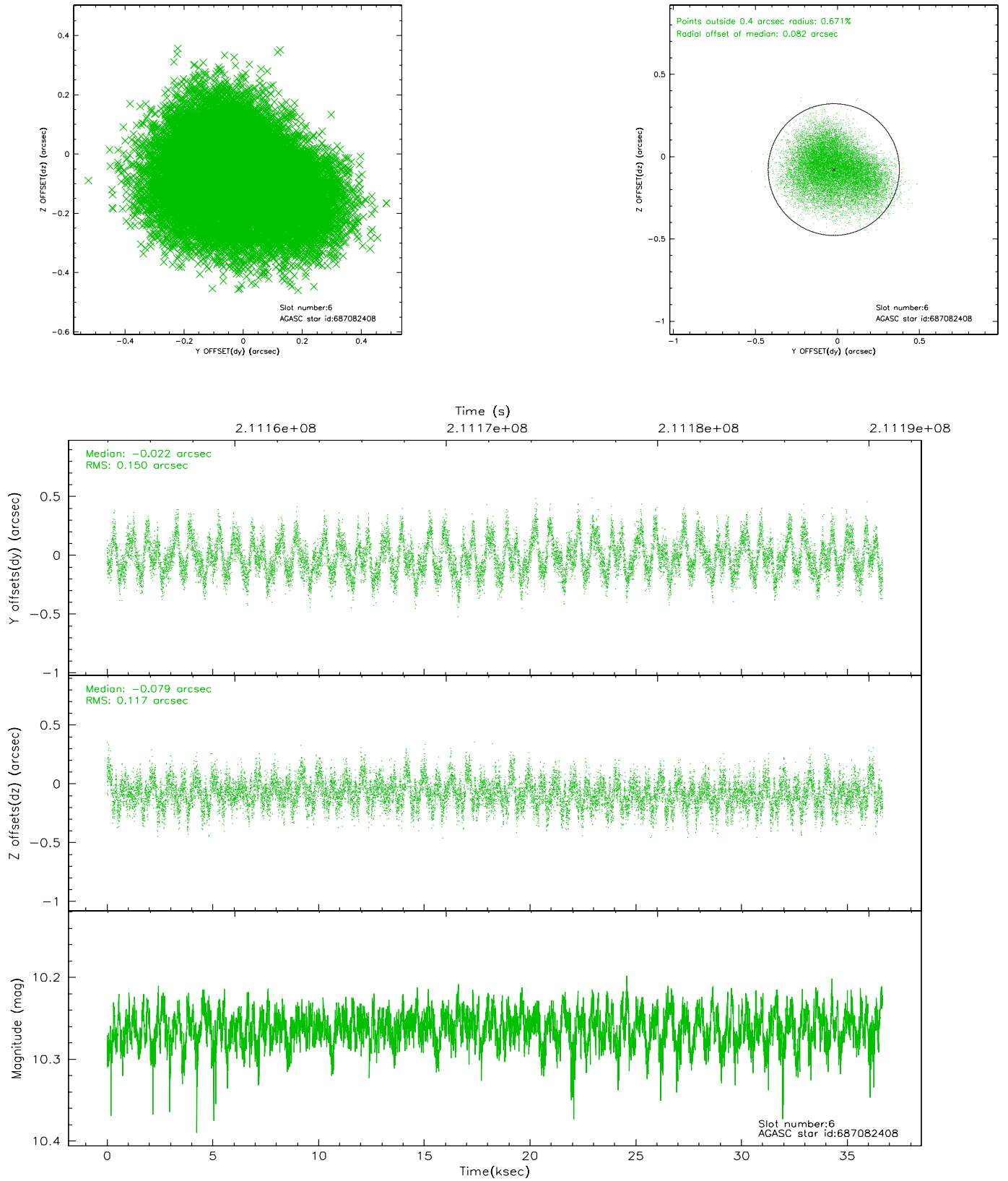
2.4.2 Slot 4



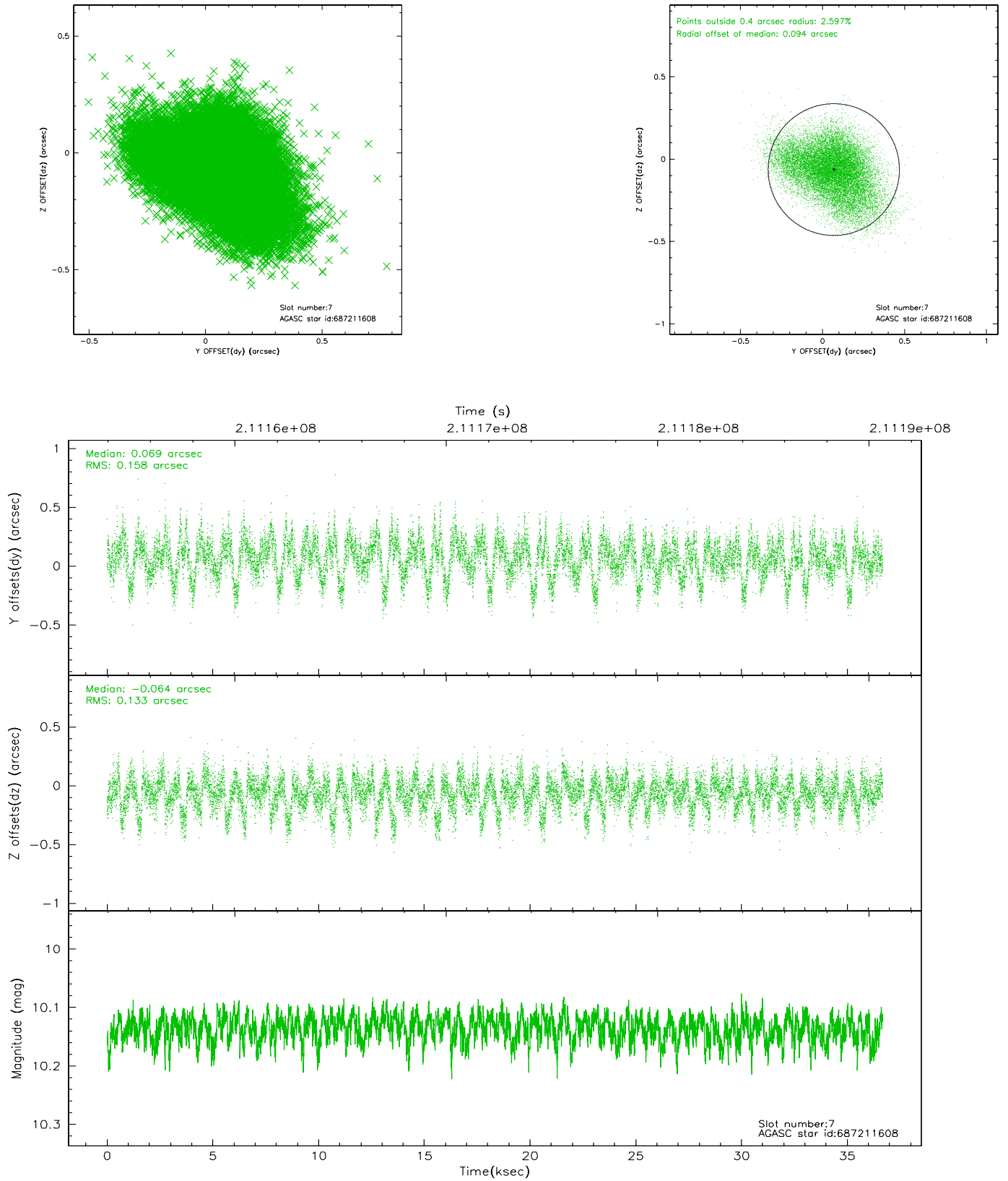
2.4.3 Slot 5



2.4.4 Slot 6

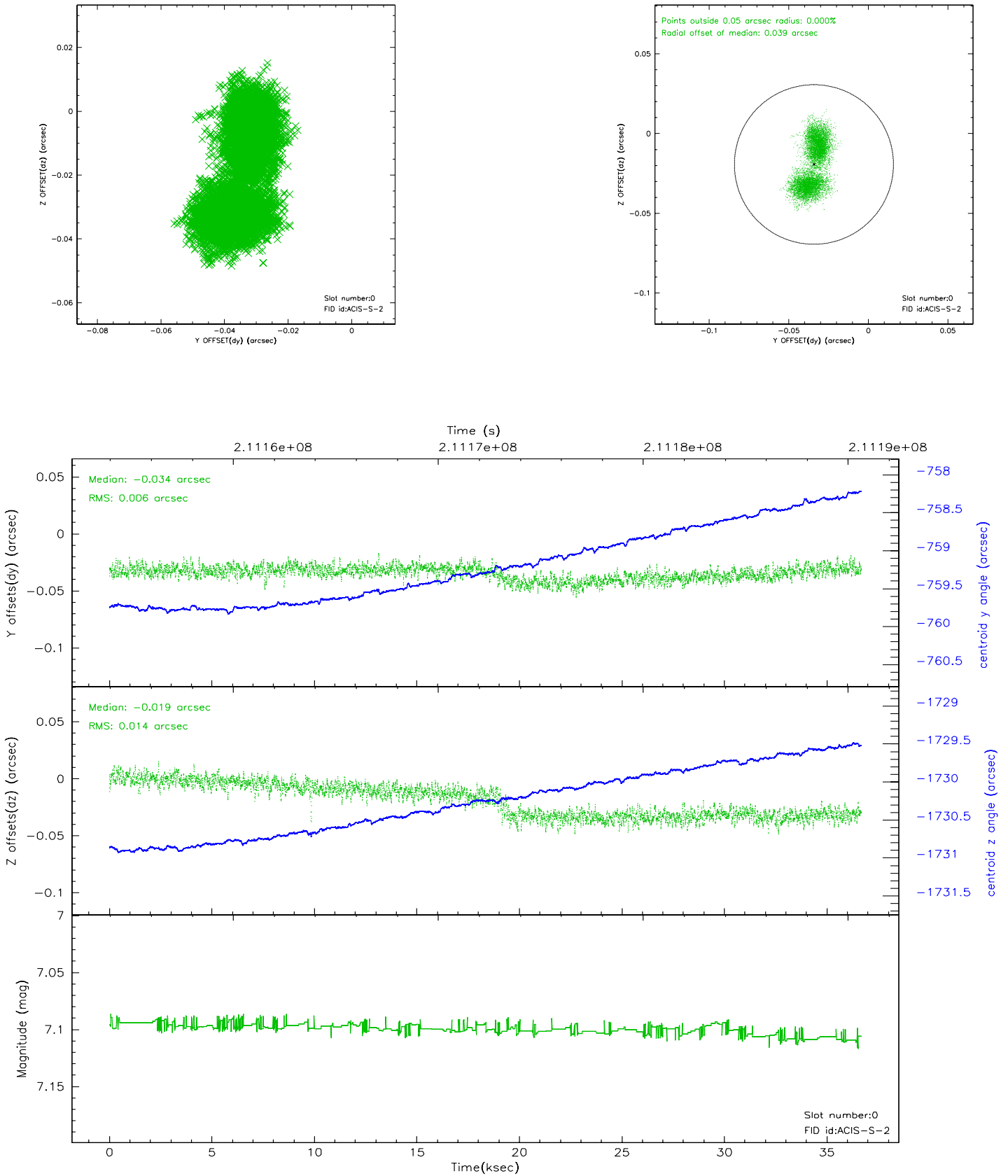


2.4.5 Slot 7

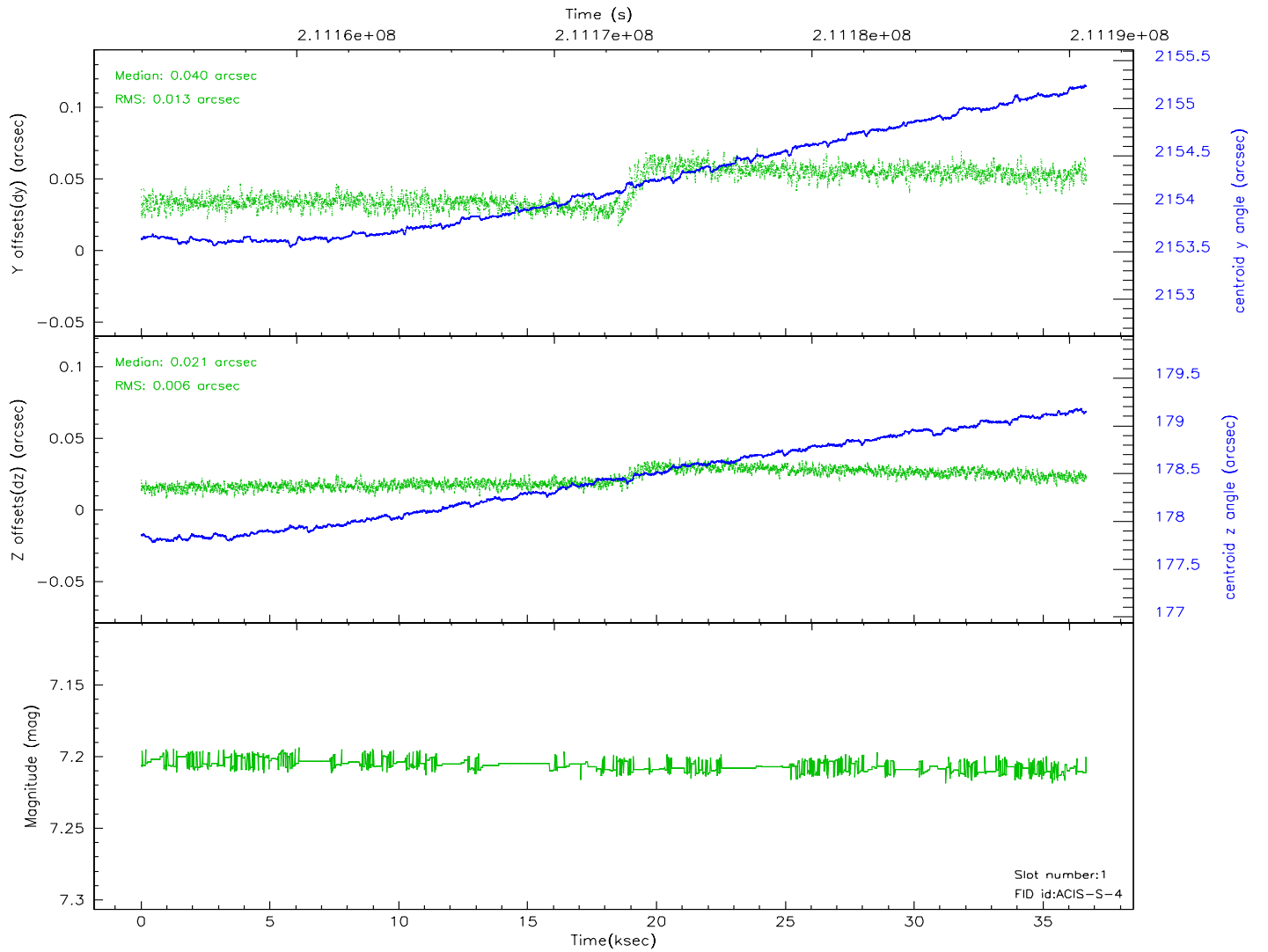
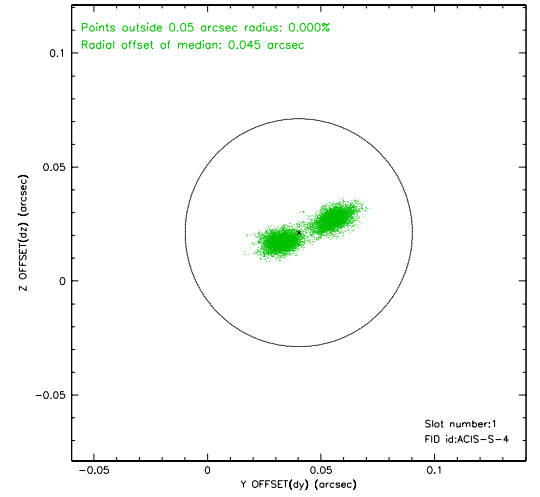
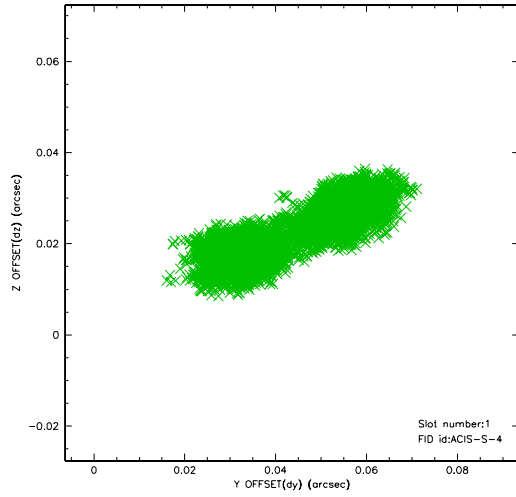


2.5 FID Slots

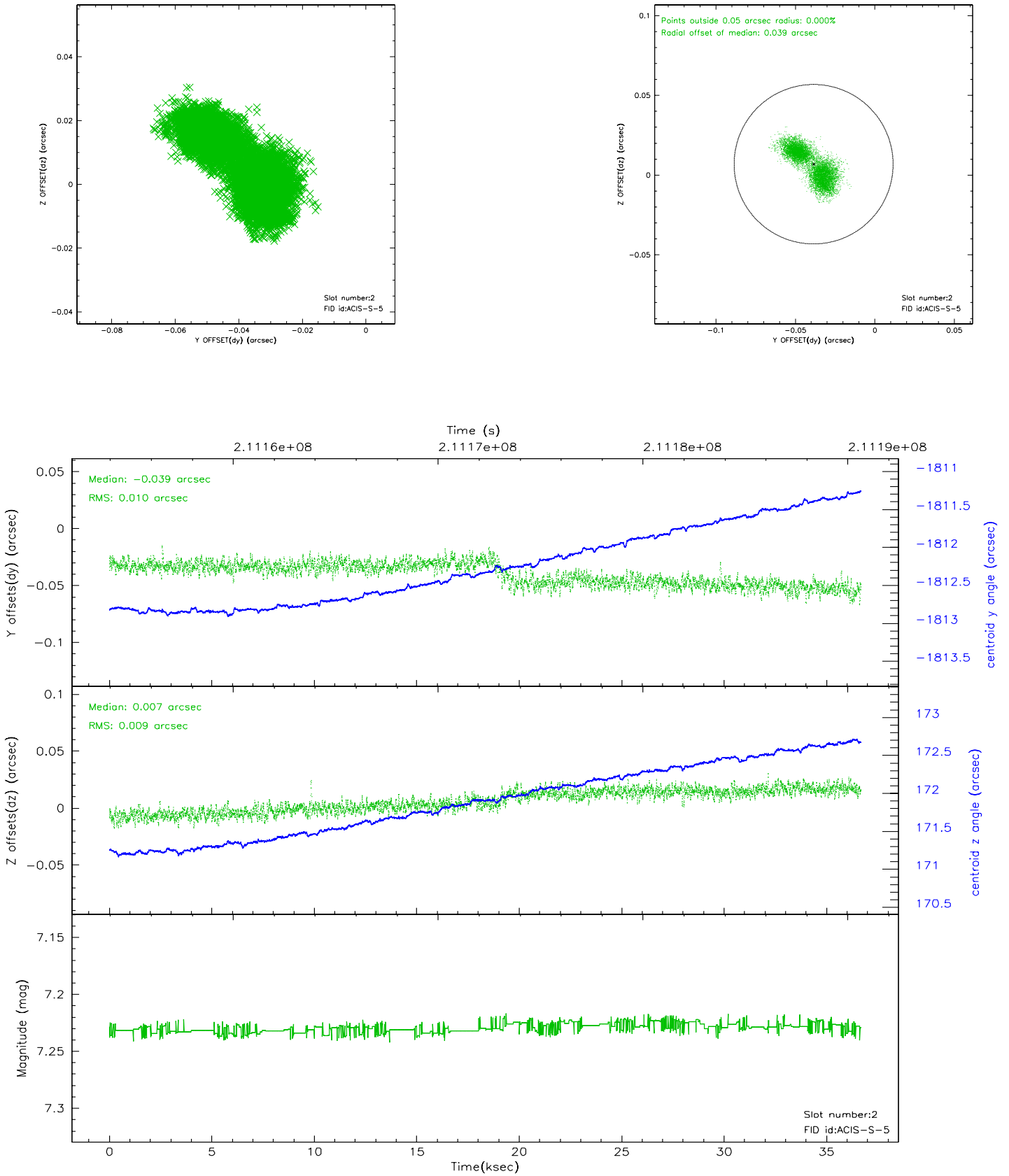
2.5.1 Slot 0



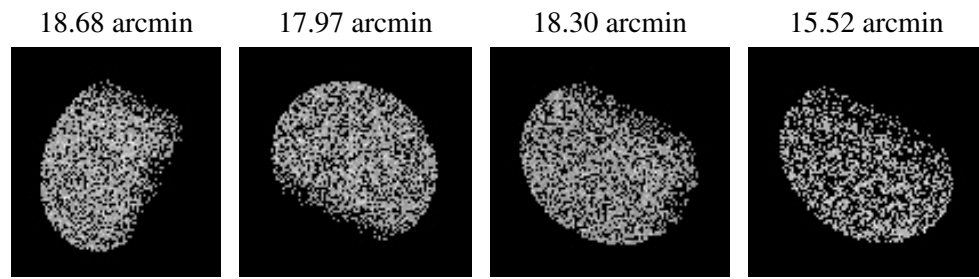
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.672

A.2 Comments