

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3053 - L2 Version 001
Chandra X-Ray Center

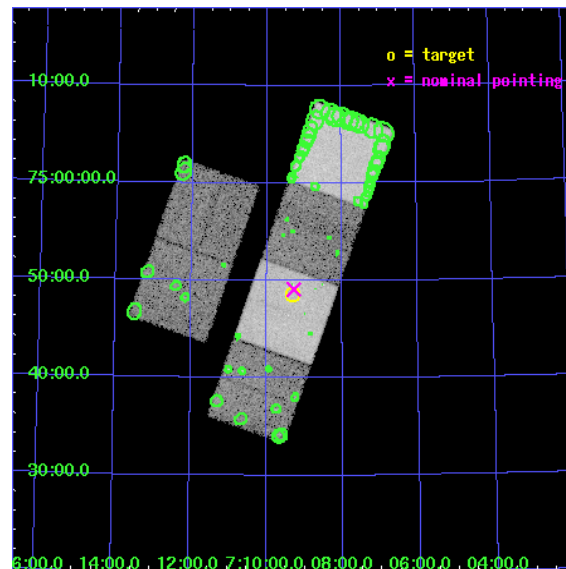
L2 Processing Date : Oct 12 2006

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1 Front

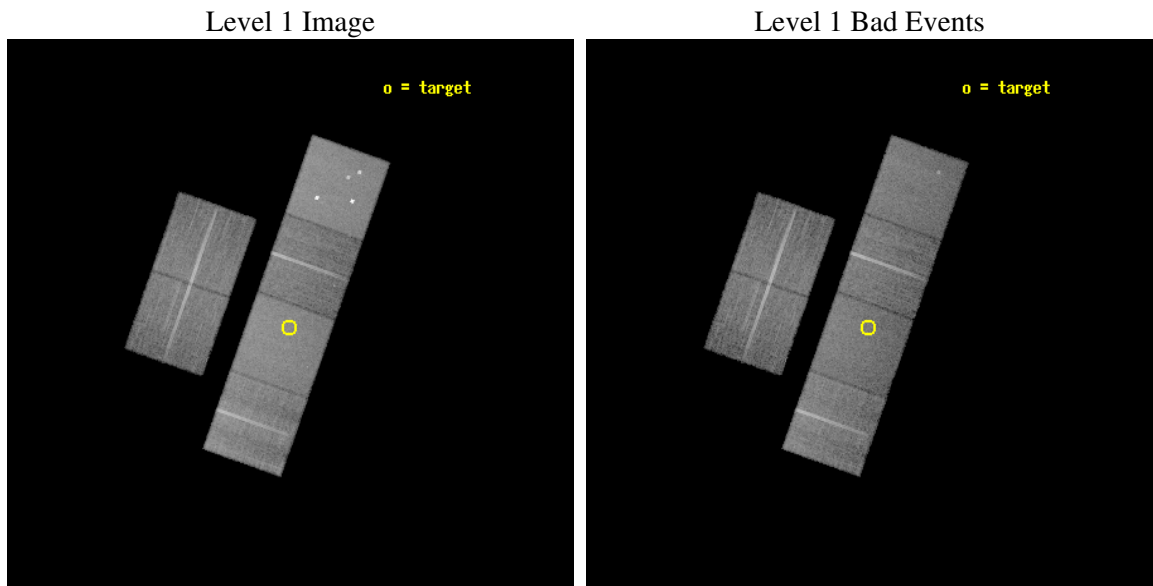
seq_num	700492
obs_id	3053
title	THE DYNAMICS OF CLASSICAL DOUBLE RADIO SOURCES: TESTING SELF-SIMILAR MODELS
observer	Dr Martin Hardcastle
object	3C173.1
dtcycle	0
cycle	P
ra_targ	107.325833
dec_targ	74.808833
ra_nom	107.31989424175
dec_nom	74.818398146051
roll_nom	109.43011703318
revision	2
ontime	24303.999909461
livetime	23996.248028495
ontime2	24303.999909461
ontime3	24303.999909461
ontime5	24303.999909461
ontime6	24303.999909461
ontime7	24303.999909461
ontime8	24303.999909461
l2events	218156



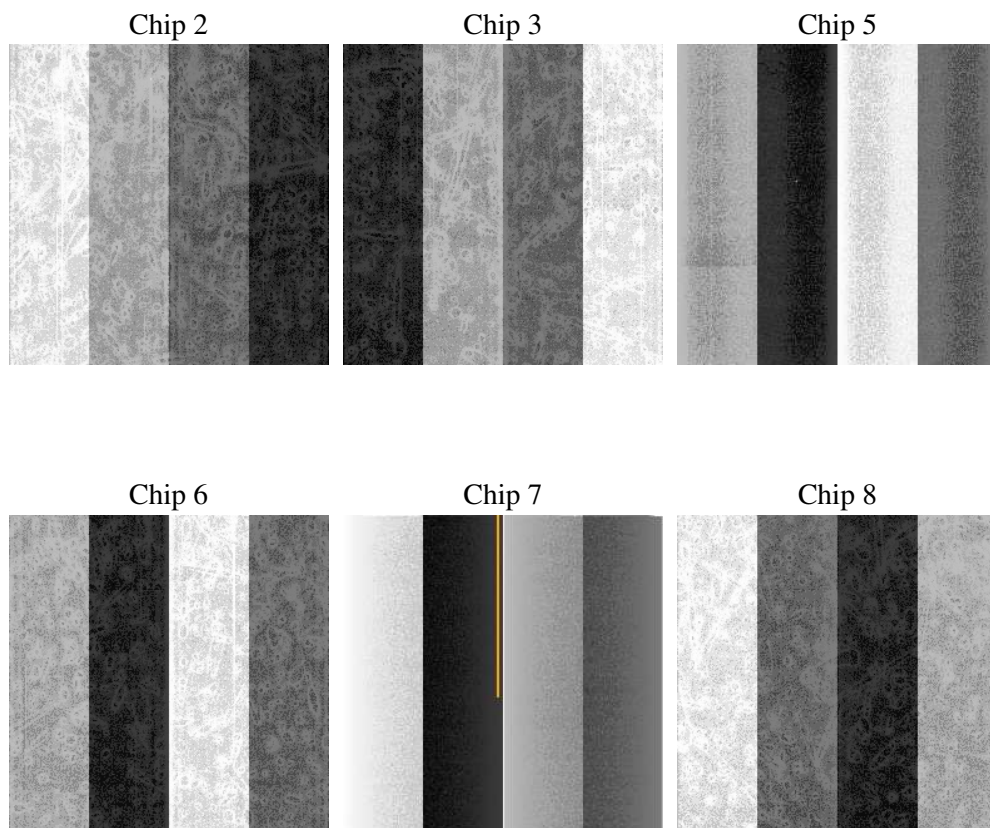
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-12T02:35:51
revision	2

sched_exp_time	24200.000000
ontime	24485.769418597
ontime2	24485.769418597
ontime3	24485.769418597
ontime5	24485.769418597
ontime6	24485.769418597
ontime7	24485.769418597
ontime8	24485.769418597
l1events	1034342

2.1.4 Events

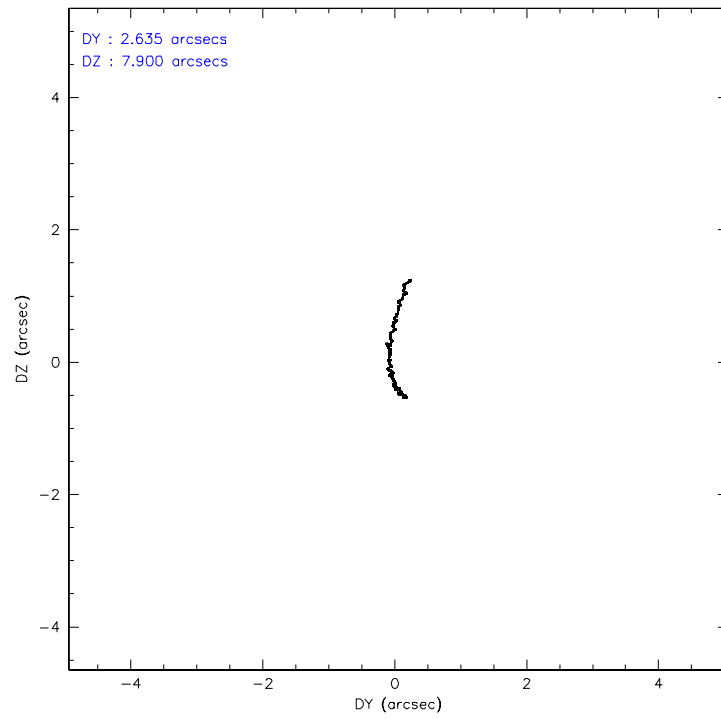
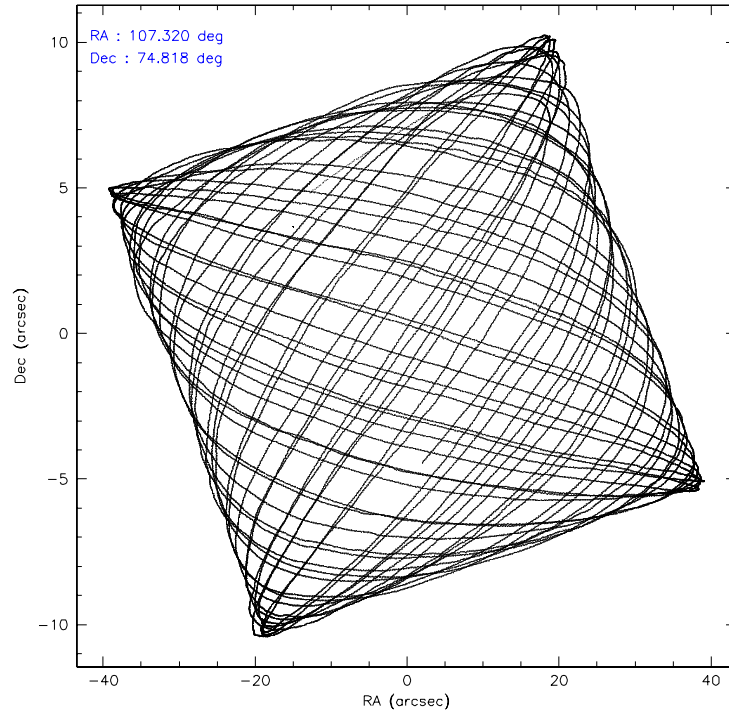
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	149155	138071	222889	142967	193456	187804
rejected events	132436	121900	119845	125902	119799	148301
rejected %	88%	88%	53%	88%	61%	78%

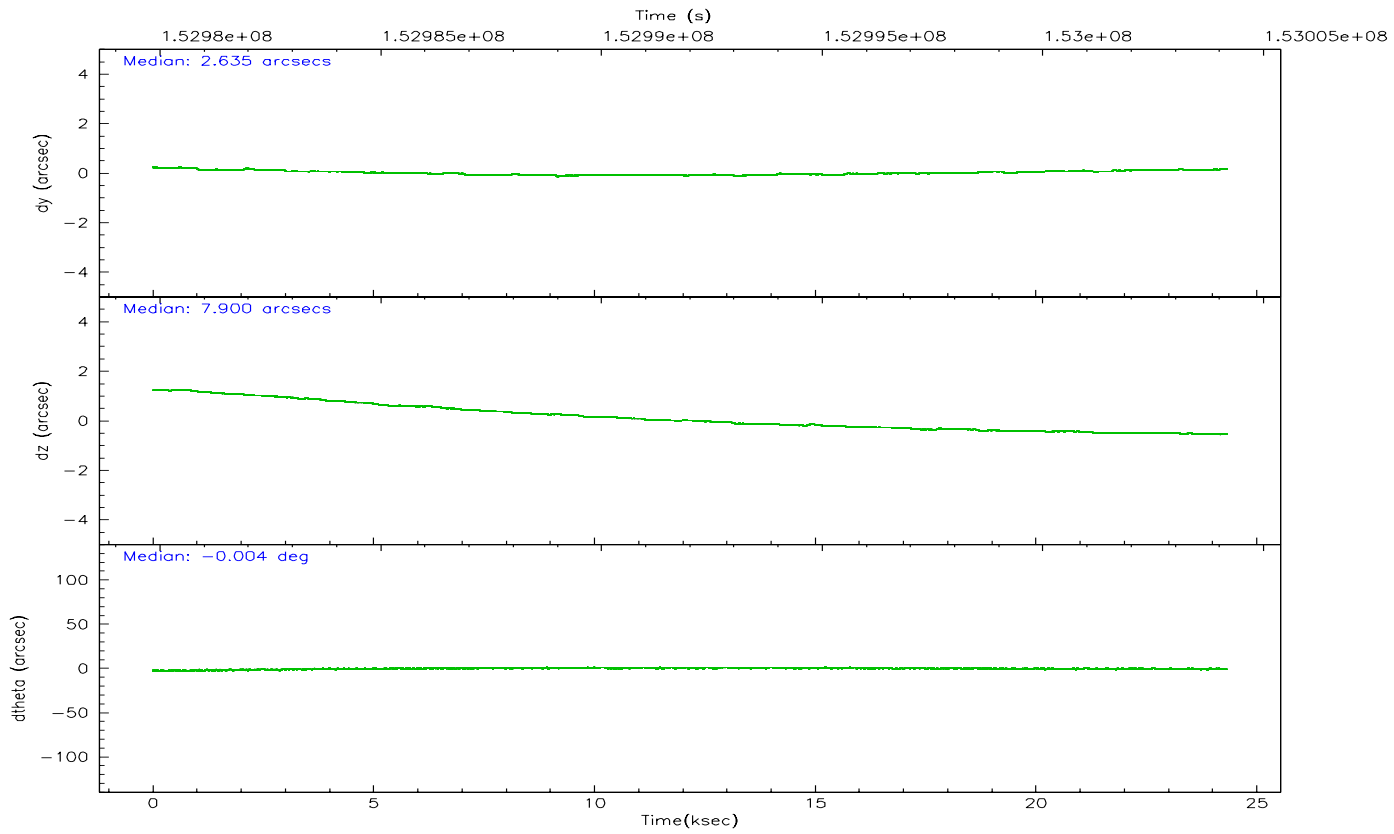
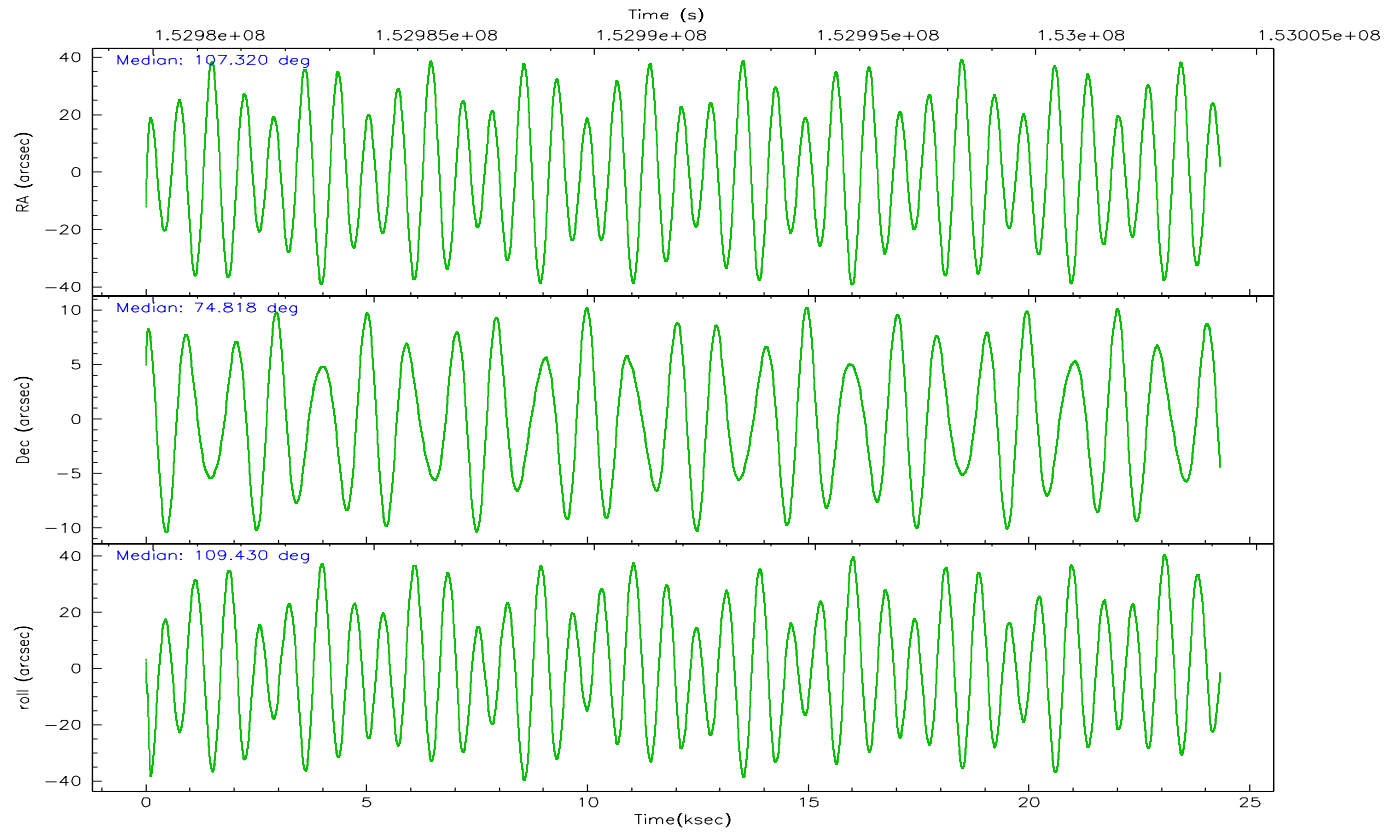
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7446	7146	17953	7123	4356	12694
	4%	5%	8%	4%	2%	6%
grade 1 events	87	75	155	71	117	121
	0%	0%	0%	0%	0%	0%
grade 2 events	3392	3126	28932	3411	18133	8424
	2%	2%	12%	2%	9%	4%
grade 3 events	1632	1593	2168	1661	3869	4327
	1%	1%	0%	1%	1%	2%
grade 4 events	1608	1664	1942	1592	3837	4190
	1%	1%	0%	1%	1%	2%
grade 5 events	5483	6164	10353	6357	13054	8419
	3%	4%	4%	4%	6%	4%
grade 6 events	2805	2773	52775	3393	44042	10136
	1%	2%	23%	2%	22%	5%
grade 7 events	126702	115530	108611	119359	106048	139493
	84%	83%	48%	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
Observation mode	POINTING	POINTING	Number of optional ACIS chips dropped	0	0
Pointing RA	107.399645	107.3198942417504	On-chip summing requested	N	N
Pointing Dec	74.800949	74.81839814605129	Subarray requested	NONE	NONE
Pointing Roll	109.196521	109.4301170331792	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	3.2
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	152979970.184000	152978939.6177			
Observation start date	2002-11-06T14:25:06	2002-11-06T14:08:59			
Observation end time	153004170.184000	153005182.18129			
Observation end date	2002-11-06T21:08:26	2002-11-06T21:26:22			
Read mode	TIMED	TIMED			

2.3 Aspect



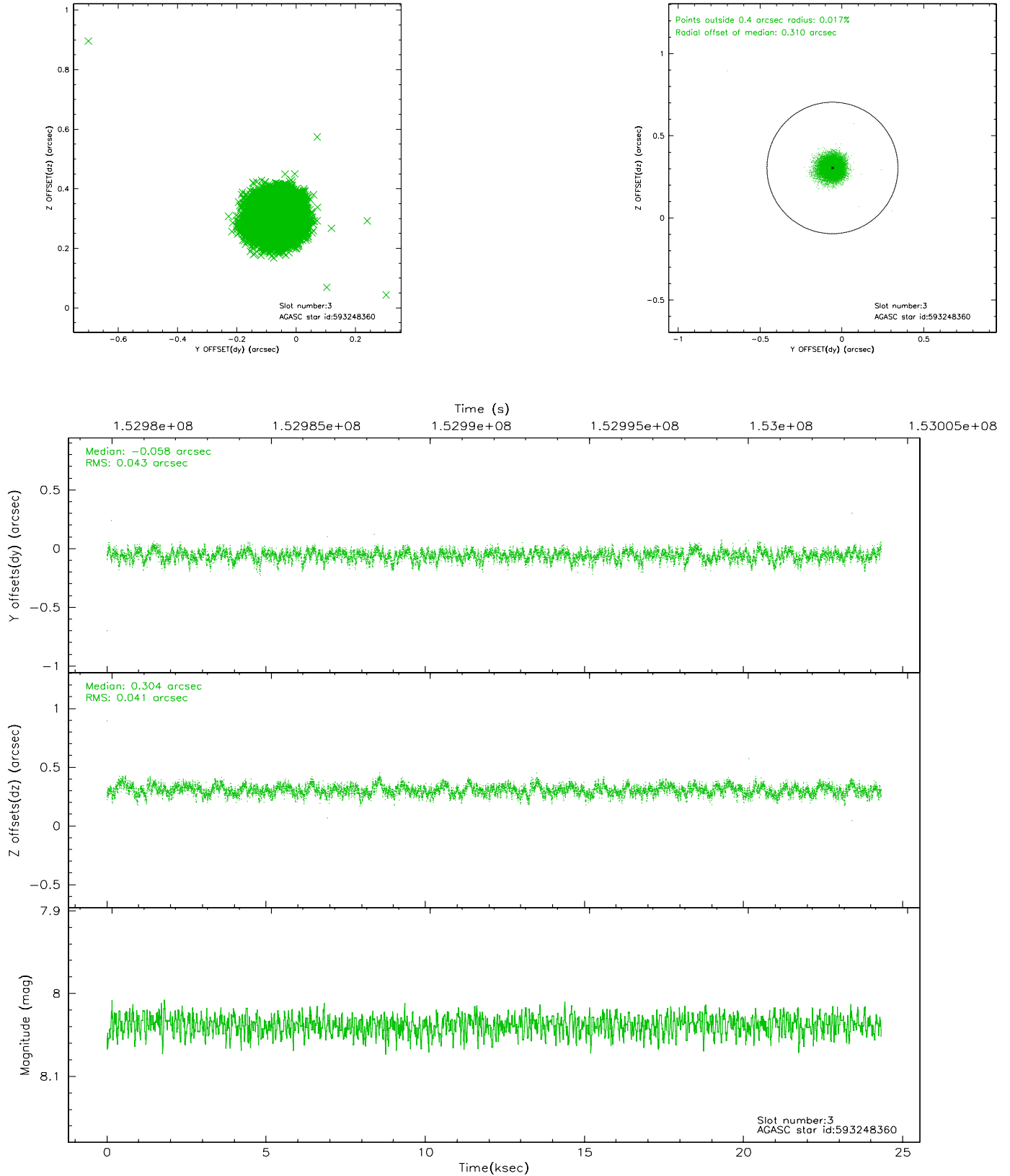


Slot Statistics

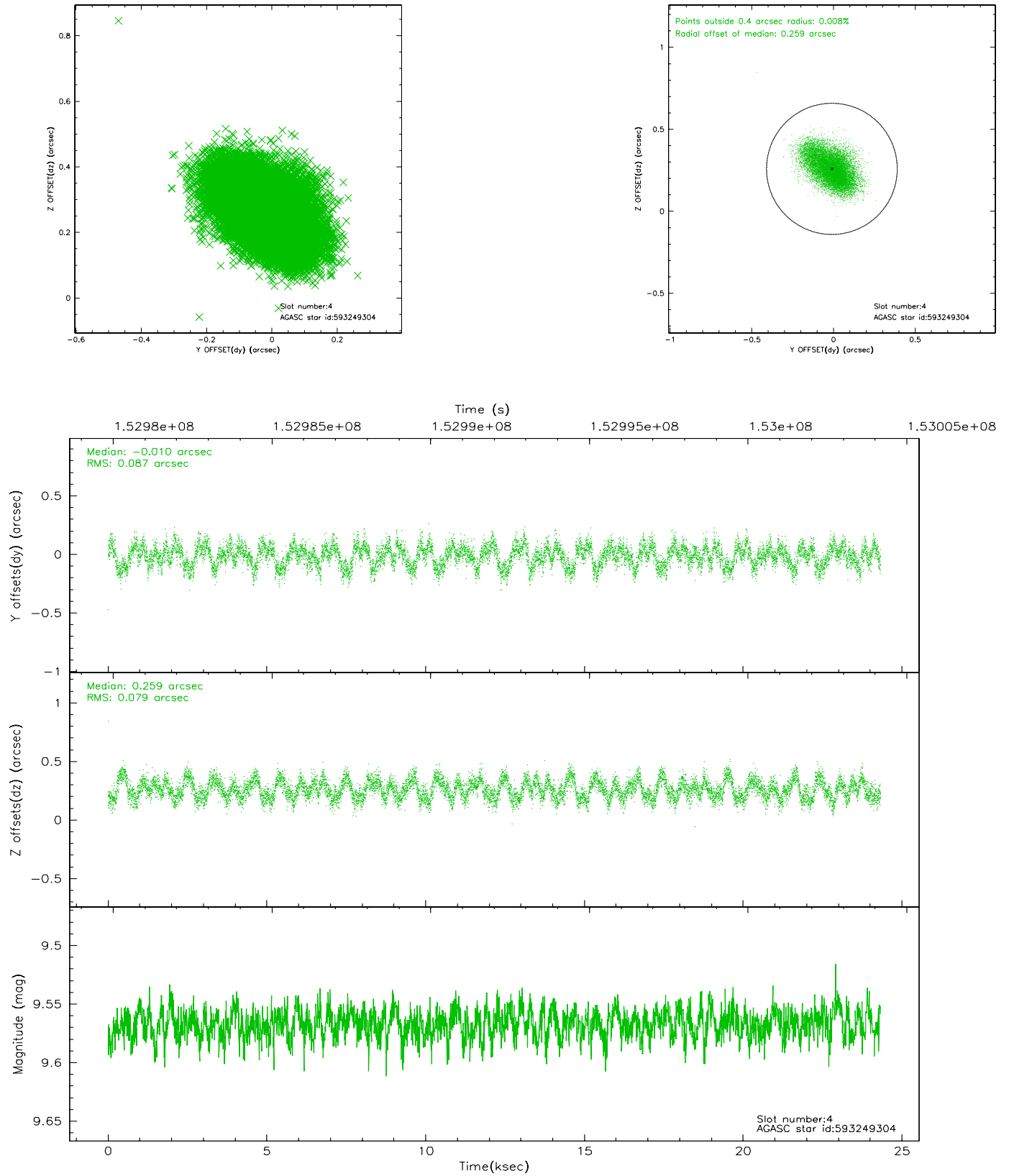
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5933	-0.000	0.024	0.007	0.012	0.000000	0.000000	-755.30	-1729.15
1	FID	ACIS-S-4	7.21	5933	-0.063	-0.006	0.007	0.016	0.000000	0.000000	2157.87	179.16
2	FID	ACIS-S-5	7.24	5934	0.032	-0.009	0.007	0.012	0.000000	0.000000	-1807.94	172.99
3	GUIDE	593248360	8.04	11868	-0.058	0.304	0.063	0.101	104.612136	75.198165	2250.24	1931.11
4	GUIDE	593249304	9.57	11861	-0.010	0.259	0.126	0.203	106.454717	75.057148	1166.35	523.59
5	GUIDE	572918432	9.65	11859	0.145	-0.132	0.124	0.191	105.644590	74.143754	-1642.40	2400.01
6	GUIDE	572916896	9.52	11861	0.301	0.085	0.092	0.152	107.440877	74.111237	-2357.95	778.76
7	BAD	573051032	9.99	11301	-0.401	-0.544	0.209	0.345	110.031932	74.826943	-674.52	-2389.34

2.4 Star Slots

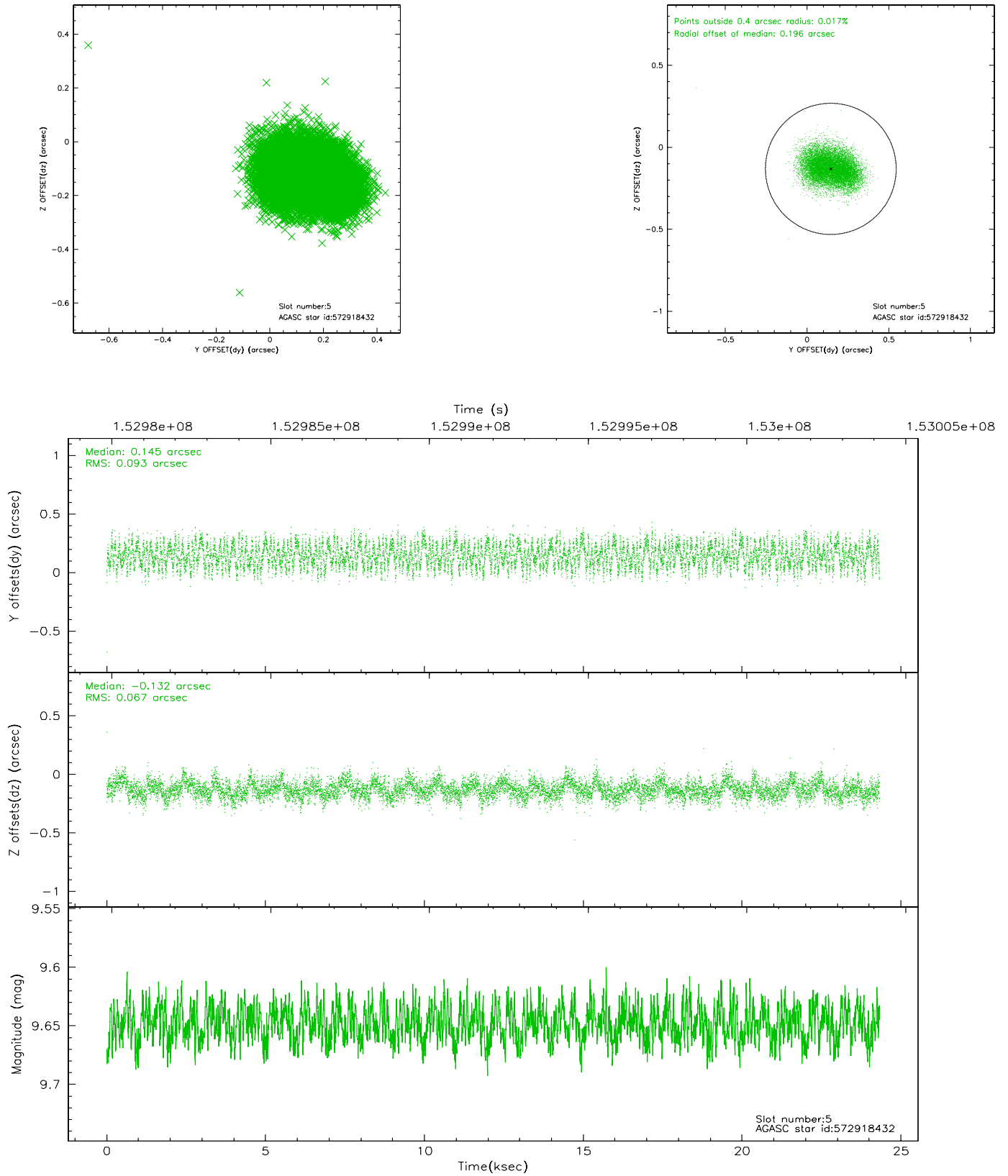
2.4.1 Slot 3



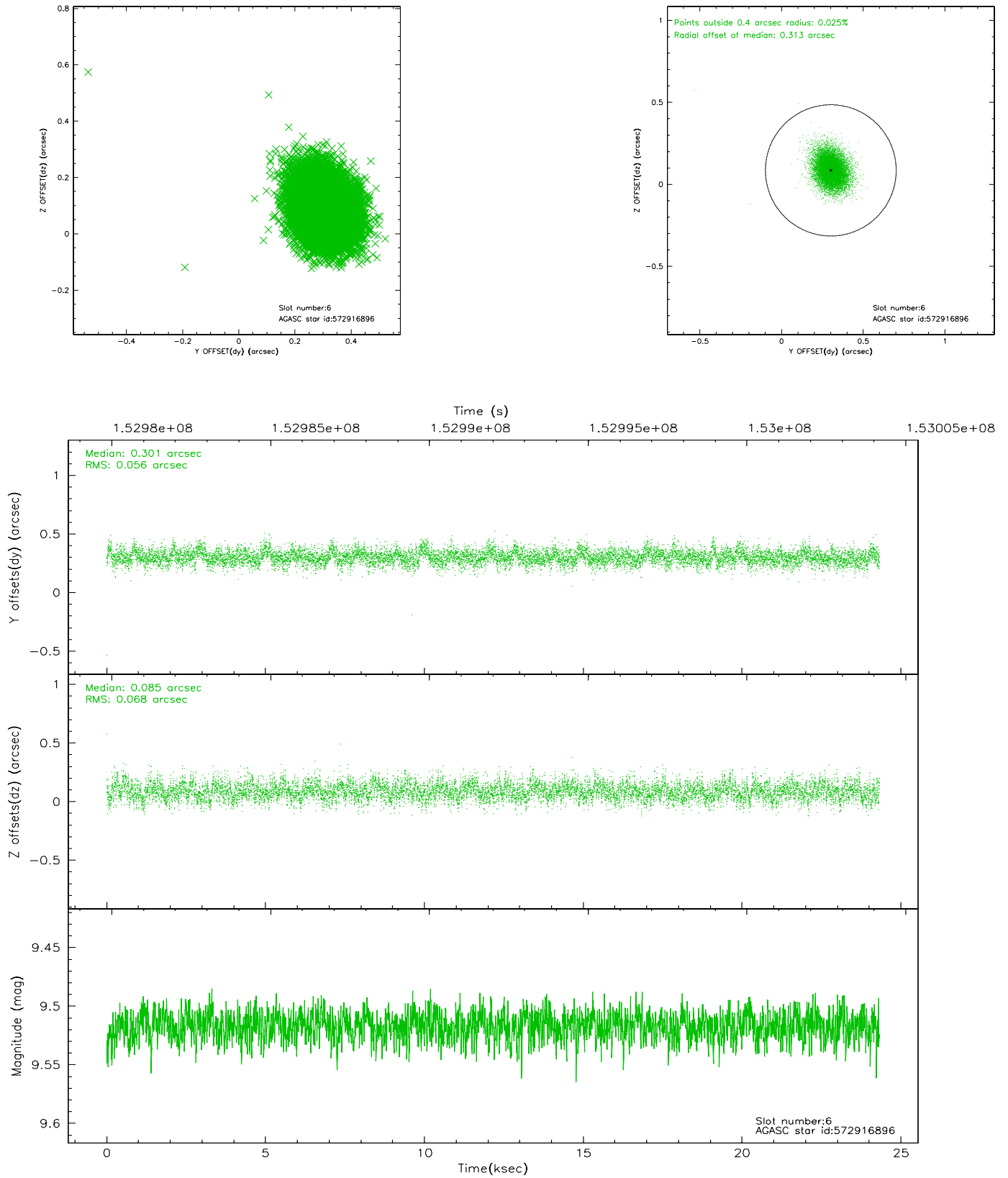
2.4.2 Slot 4



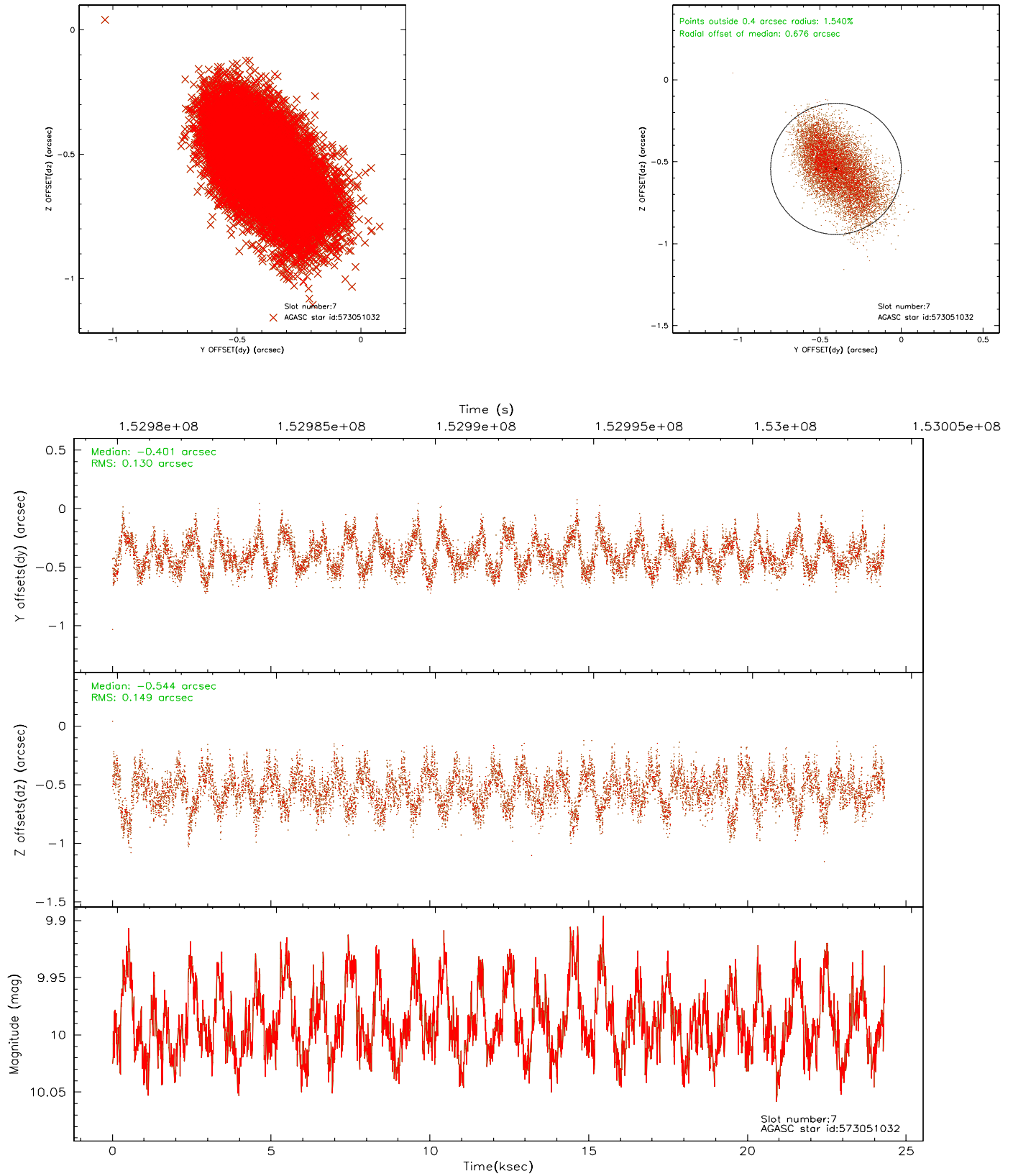
2.4.3 Slot 5



2.4.4 Slot 6

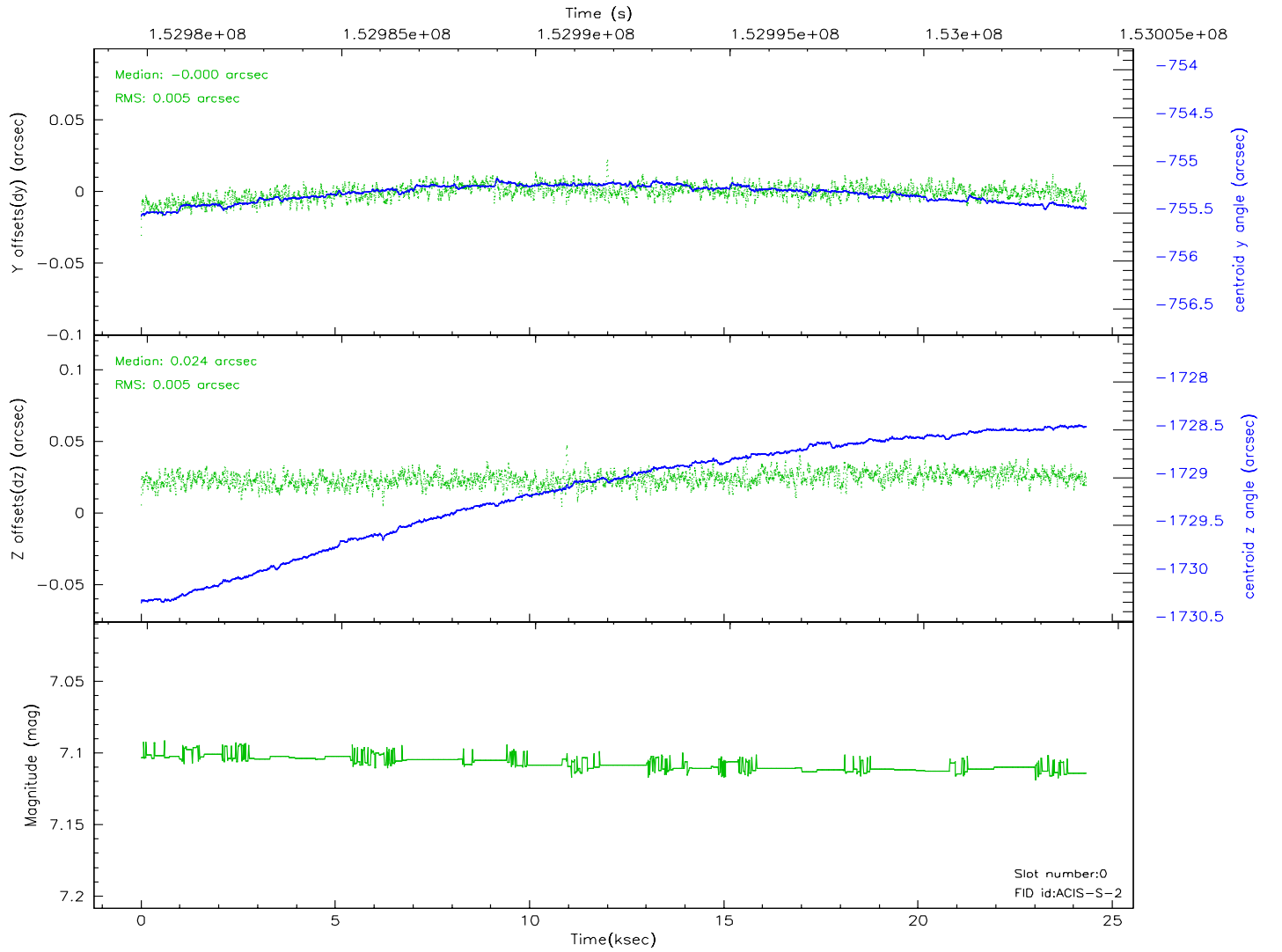
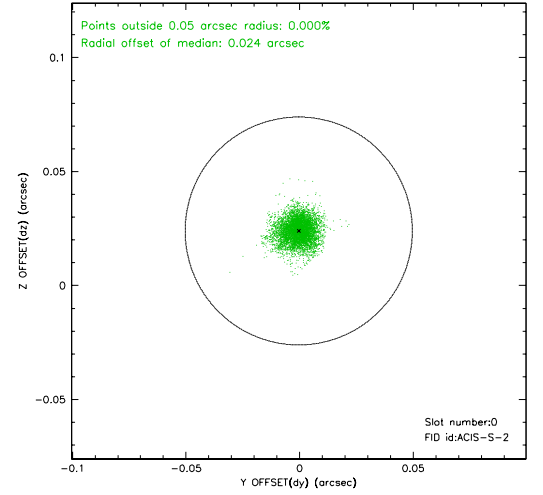
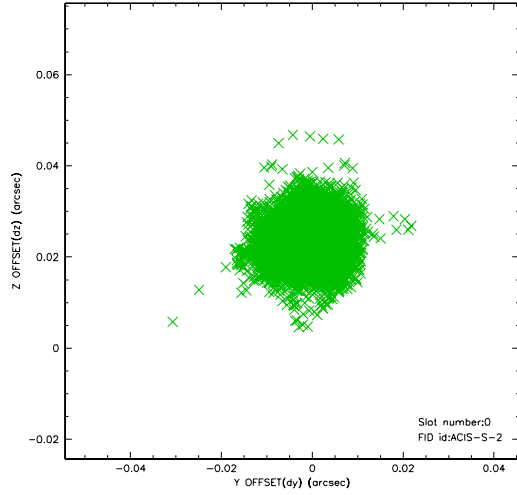


2.4.5 Slot 7

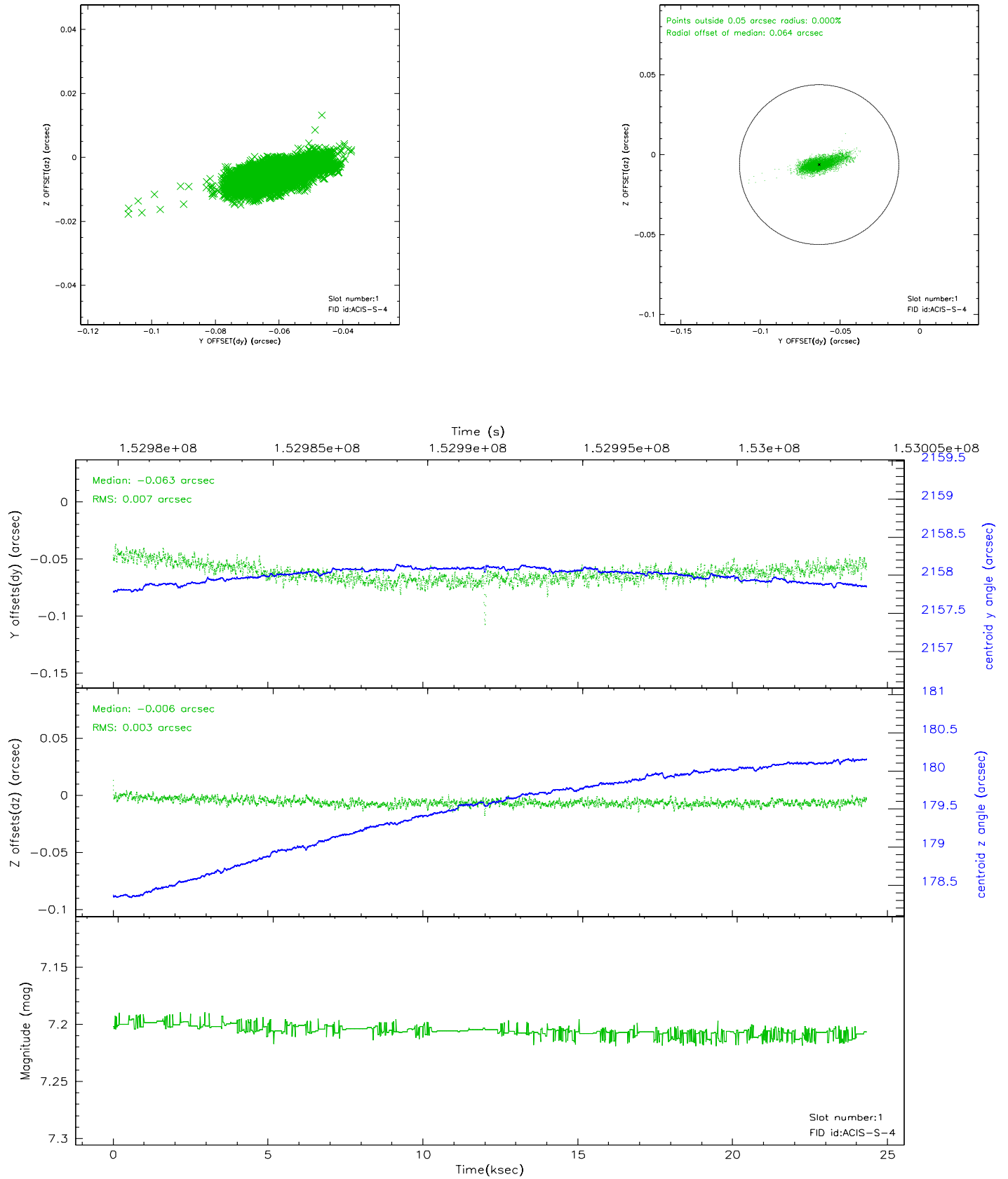


2.5 FID Slots

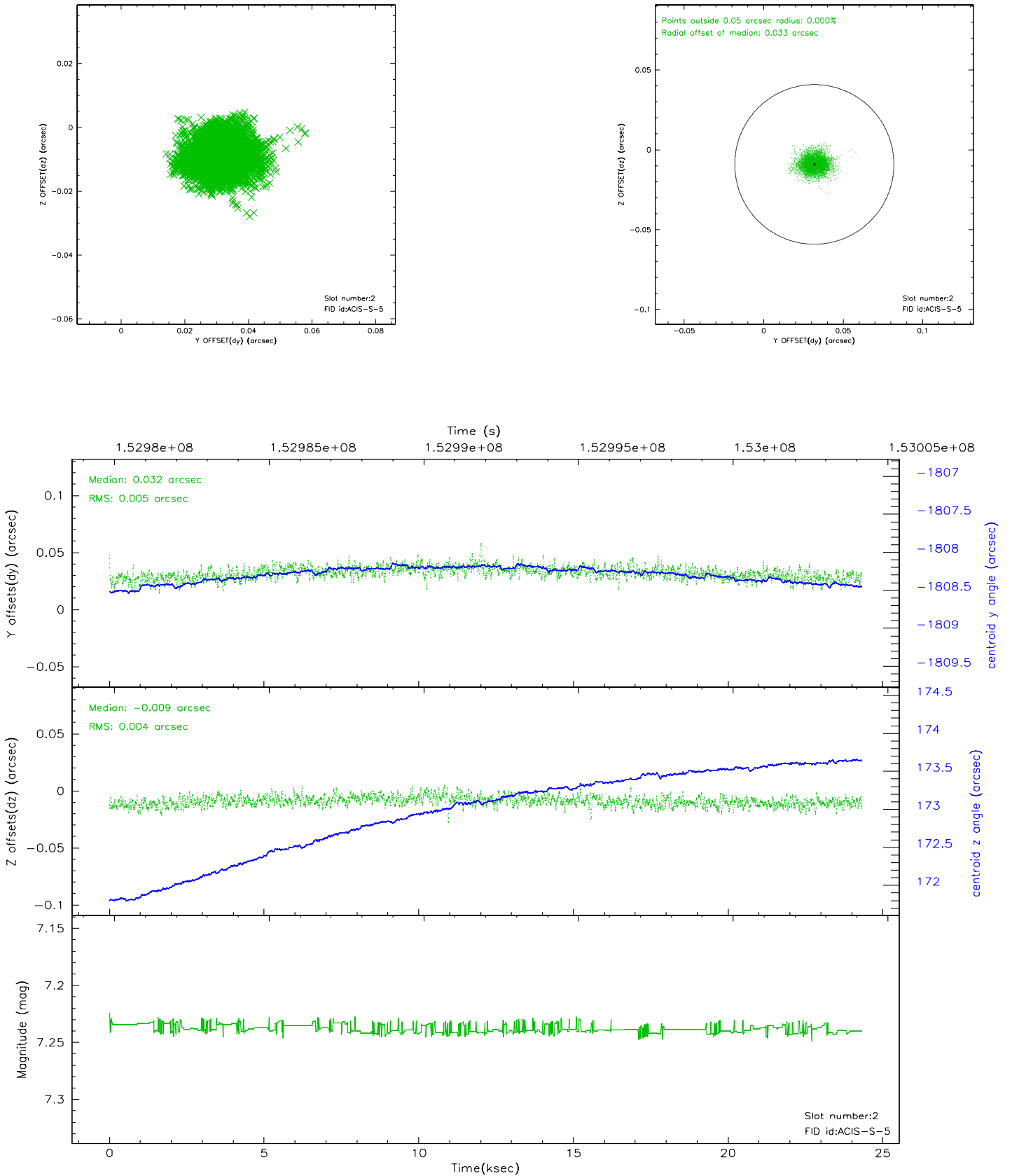
2.5.1 Slot 0



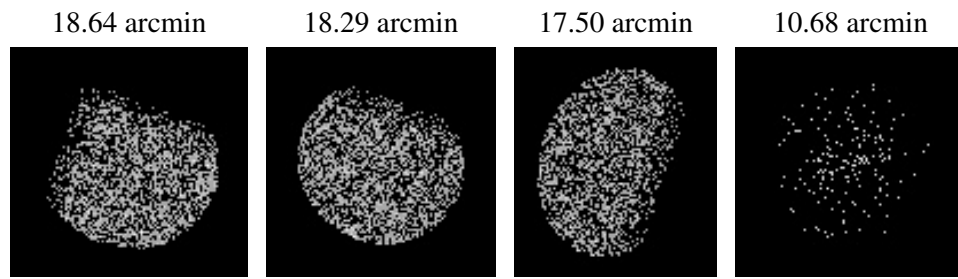
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.307

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star from the solution.