

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3274 - L2 Version 001
Chandra X-Ray Center

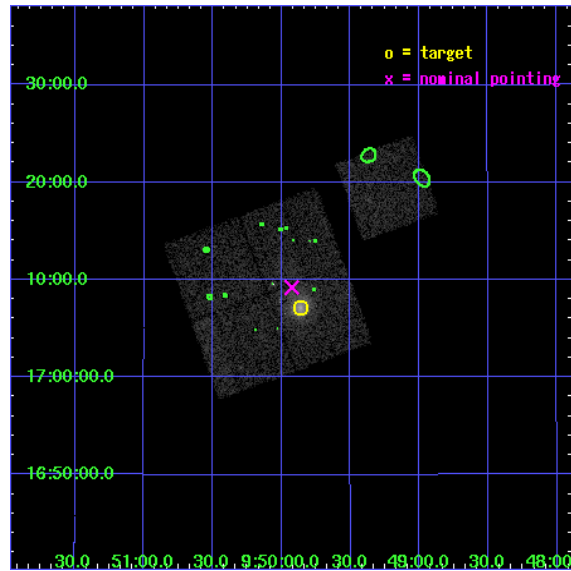
L2 Processing Date : Oct 12 2006

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

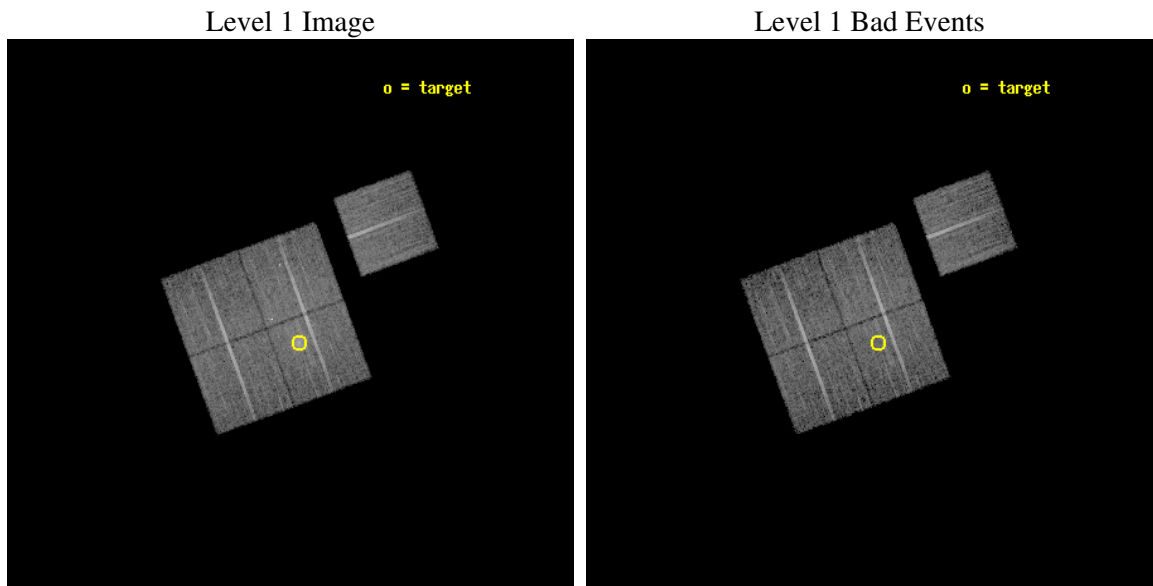
seq_num	800274
obs_id	3274
title	MACS: THE X-RAY PROPERTIES OF THE MOST MASSIVE GALAXY CLUSTERS AT $Z>0.3$
observer	Dr Harald Ebeling
object	MACSJ0949.8+1708
dtcycle	0
cycle	P
ra_targ	147.465833
dec_targ	17.119167
ra_nom	147.48130921277
dec_nom	17.153830631813
roll_nom	69.83588485448
revision	2
ontime	14507.877011657
livetime	14318.320917956
ontime0	14514.159011871
ontime1	14514.15911153
ontime2	14514.159011871
ontime3	14507.877011657
ontime6	14514.158981949
l2events	37268



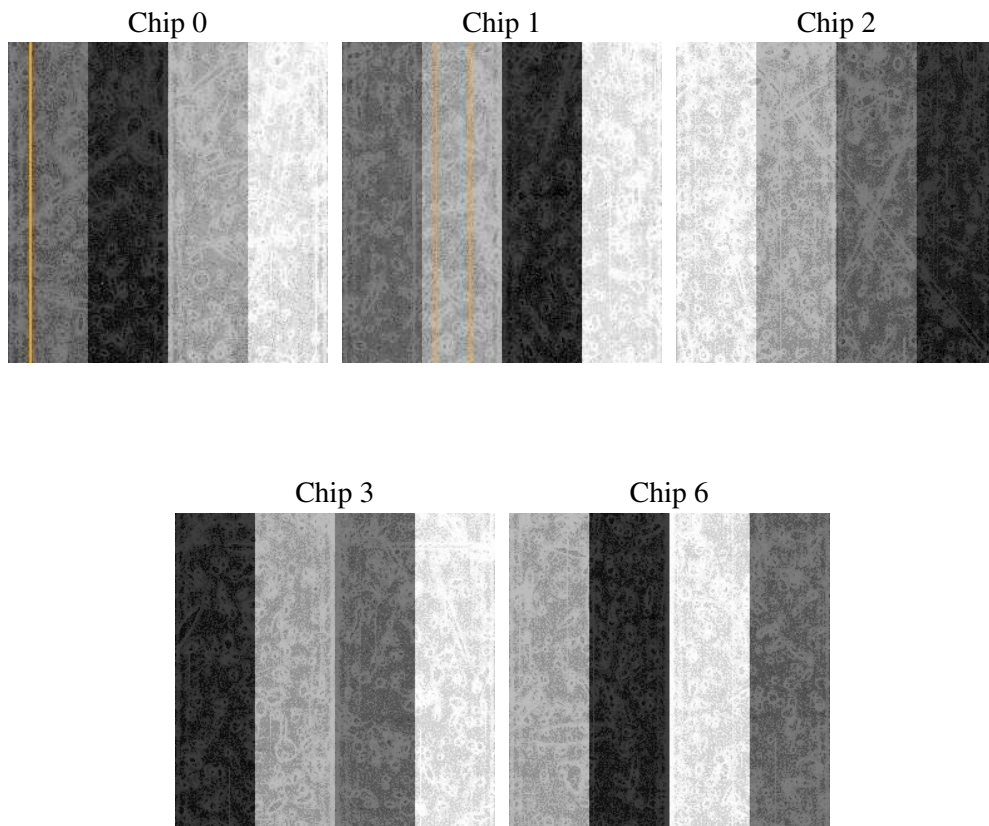
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-12T01:56:04
revision	2

sched_exp_time	14400.000000
ontime	14514.566153824
ontime0	14523.989164144
ontime1	14520.848253697
ontime2	14520.848154038
ontime3	14514.566153824
ontime6	14523.989134222
l1events	363255

2.1.4 Events

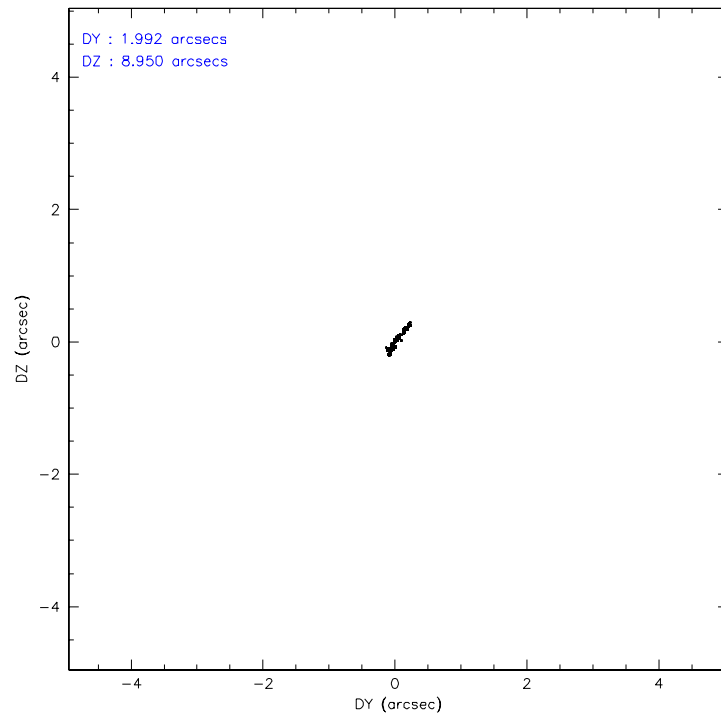
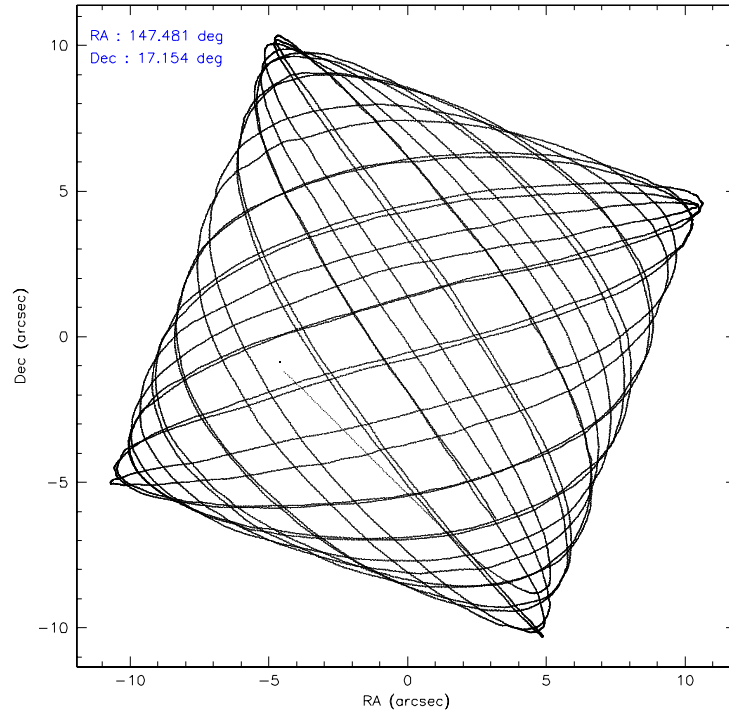
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	67055	67482	78596	75982	74140
rejected events	59758	59384	69715	63725	66891
rejected %	89%	87%	88%	83%	90%

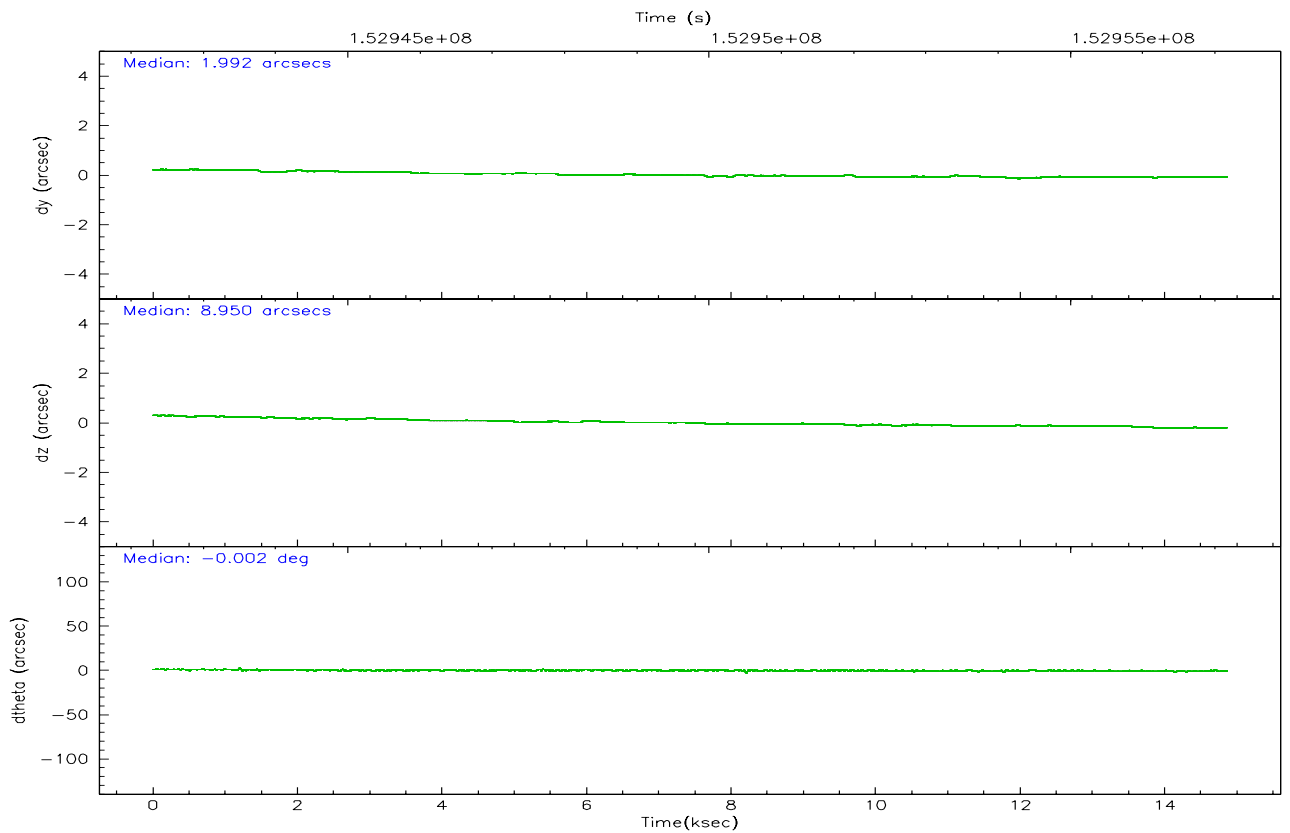
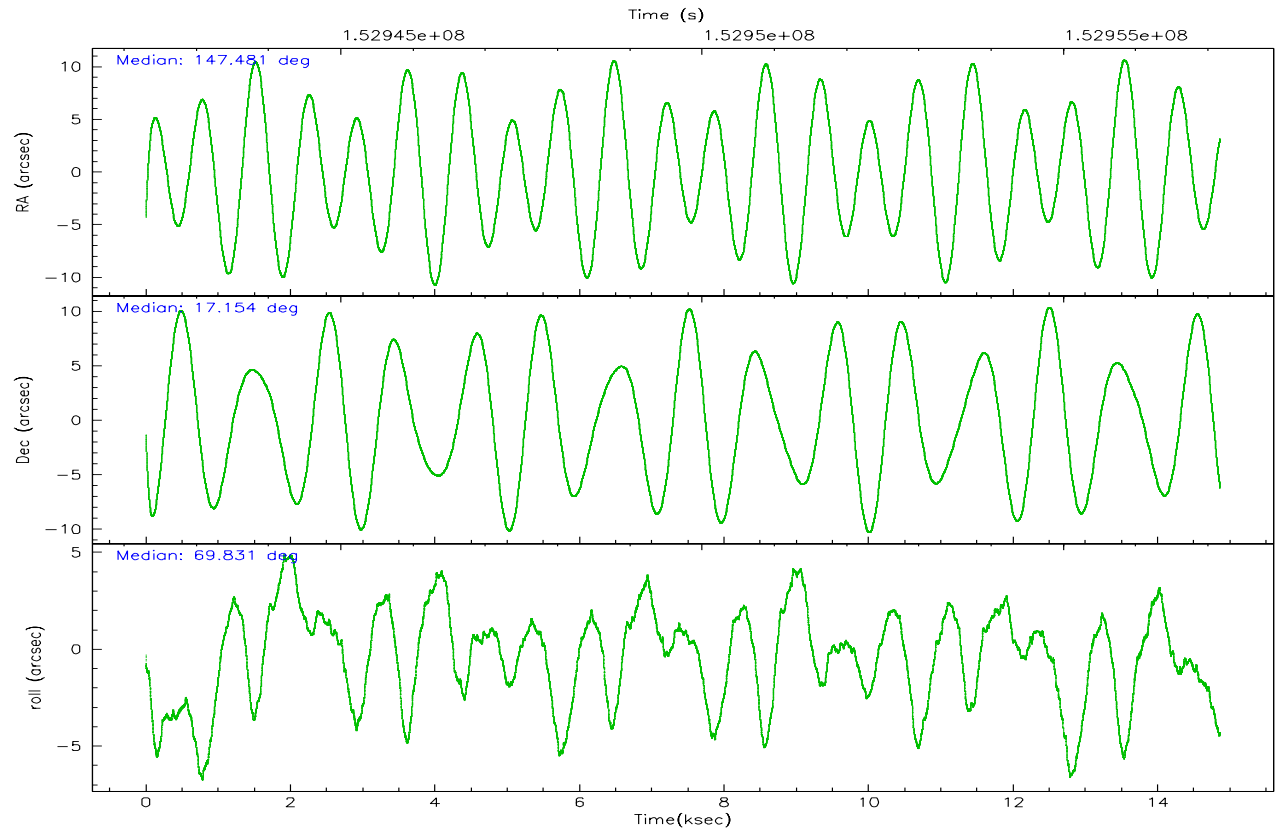
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2595	3191	4054	7064	2506
	3%	4%	5%	9%	3%
grade 1 events	27	34	66	54	28
	0%	0%	0%	0%	0%
grade 2 events	1693	1595	1767	1932	1521
	2%	2%	2%	2%	2%
grade 3 events	881	918	907	979	792
	1%	1%	1%	1%	1%
grade 4 events	804	887	861	930	888
	1%	1%	1%	1%	1%
grade 5 events	2365	2698	2340	2797	2754
	3%	3%	2%	3%	3%
grade 6 events	1326	1507	1297	1361	1547
	1%	2%	1%	1%	2%
grade 7 events	57364	56652	67304	60865	64104
	85%	83%	85%	80%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	147.486301	147.4813092127698	Subarray requested	NONE	NONE
Pointing Dec	17.126836	17.1538306318135	Alternating exposures requested	N	N
Pointing Roll	69.625724	69.83588485447993	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-227.742463	-227.734108438797			
SIM translation stage offset (mm)	-5.85	-5.858344564132665			
Observation start time	152942771.184000	152941665.49115			
Observation start date	2002-11-06T04:05:07	2002-11-06T03:47:45			
Observation end time	152957171.184000	152957769.77932			
Observation end date	2002-11-06T08:05:07	2002-11-06T08:16:09			
Read mode	TIMED	TIMED			

2.3 Aspect



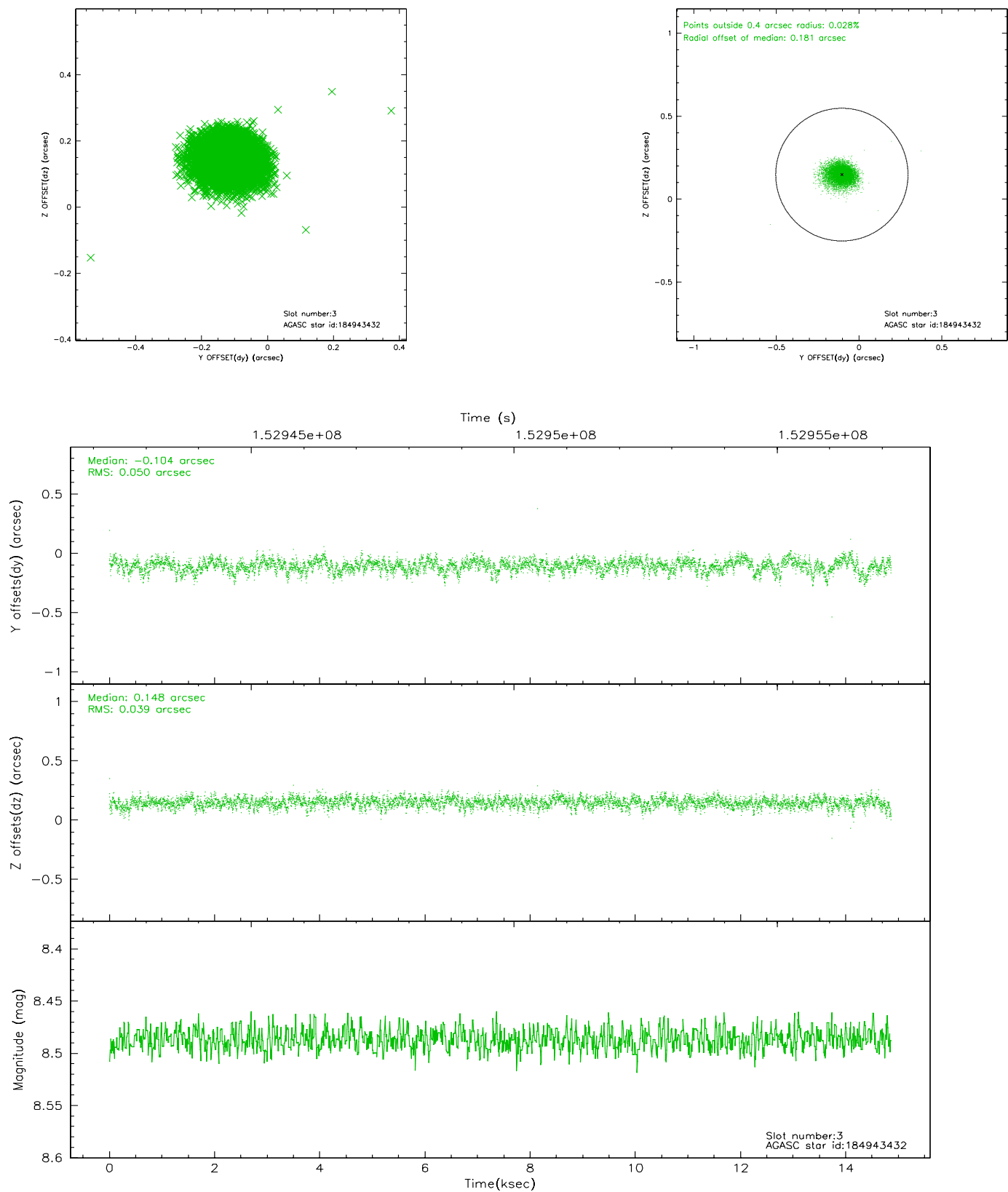


Slot Statistics

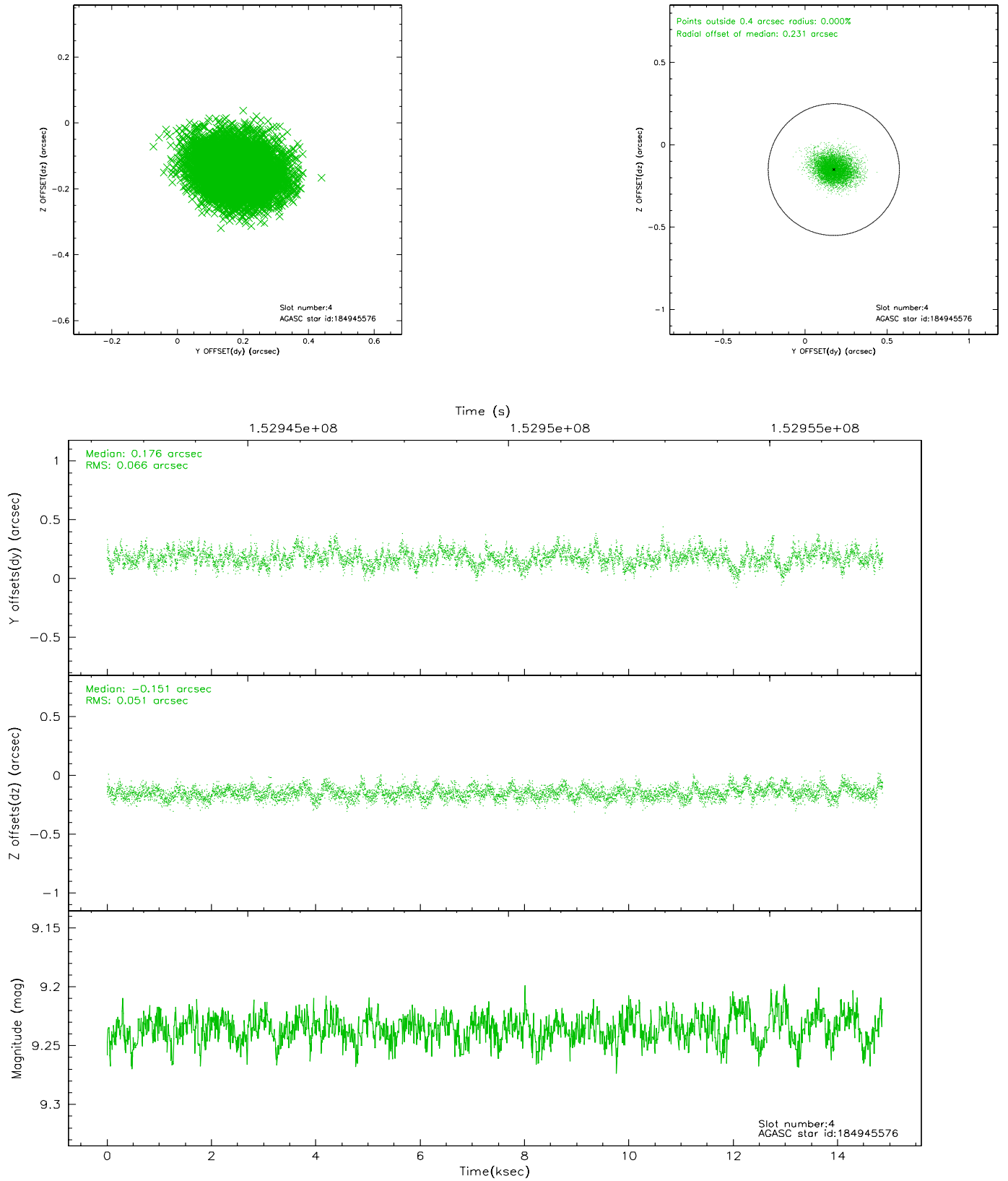
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	3625	0.007	0.020	0.009	0.015	0.000000	0.000000	937.69	-952.63
1	FID	ACIS-I-5	7.23	3626	-0.097	0.047	0.007	0.011	0.000000	0.000000	-1810.34	944.71
2	FID	ACIS-I-6	7.25	3626	-0.001	0.004	0.009	0.013	0.000000	0.000000	402.91	1589.51
3	GUIDE	184943432	8.49	7250	-0.104	0.148	0.065	0.111	147.913077	17.475778	1689.28	-936.07
4	GUIDE	184945576	9.24	7250	0.176	-0.151	0.088	0.146	147.062507	16.898087	-1278.07	1081.59
5	GUIDE	184946632	7.58	7252	0.118	0.175	0.061	0.096	147.807278	16.320002	-2335.47	-2050.82
6	GUIDE	184943176	9.28	7250	-0.123	0.234	0.106	0.178	148.344879	17.405804	1974.72	-2413.12
7	GUIDE	185341432	9.61	7247	-0.062	-0.407	0.122	0.192	146.917165	17.566119	805.45	2381.94

2.4 Star Slots

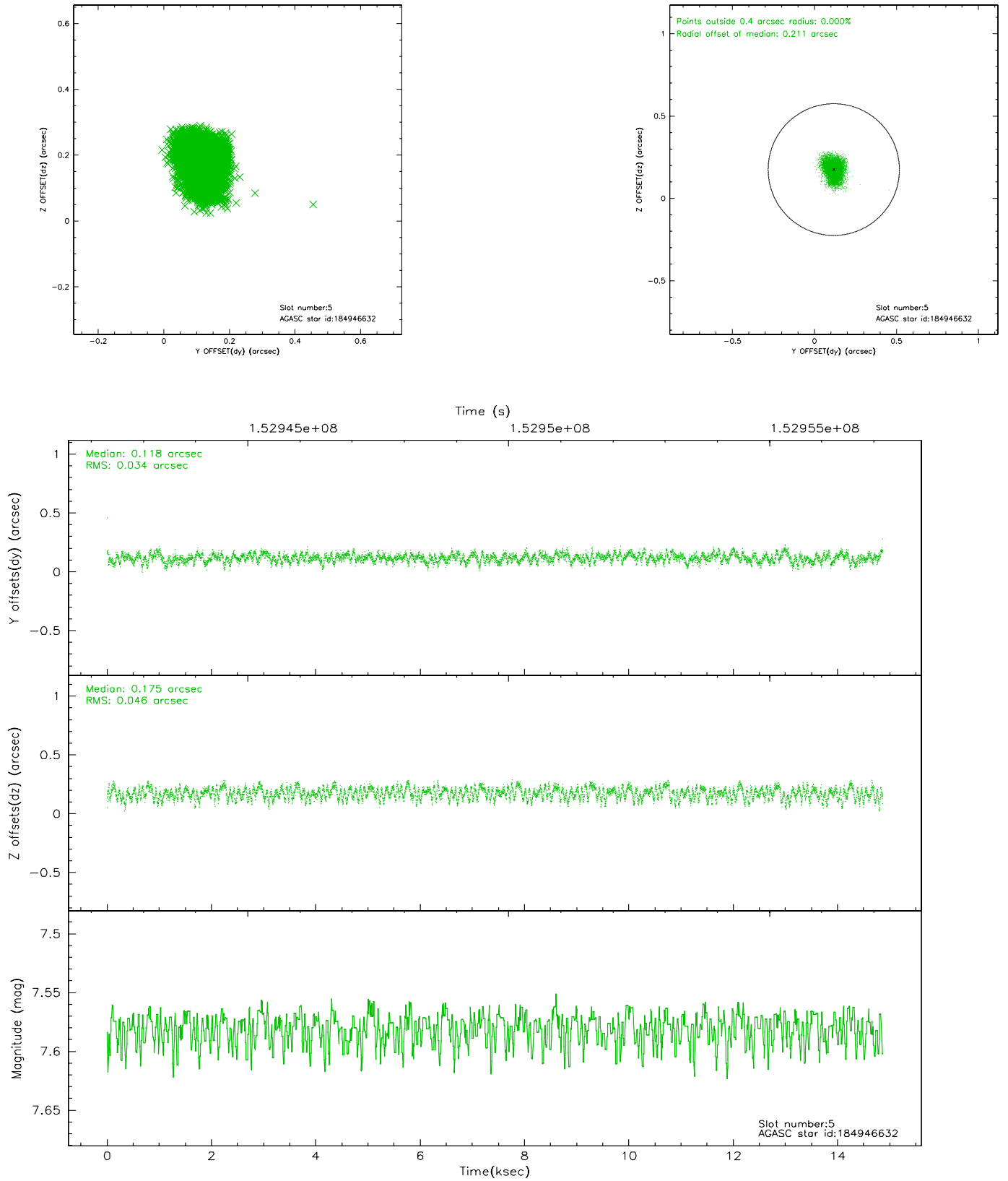
2.4.1 Slot 3



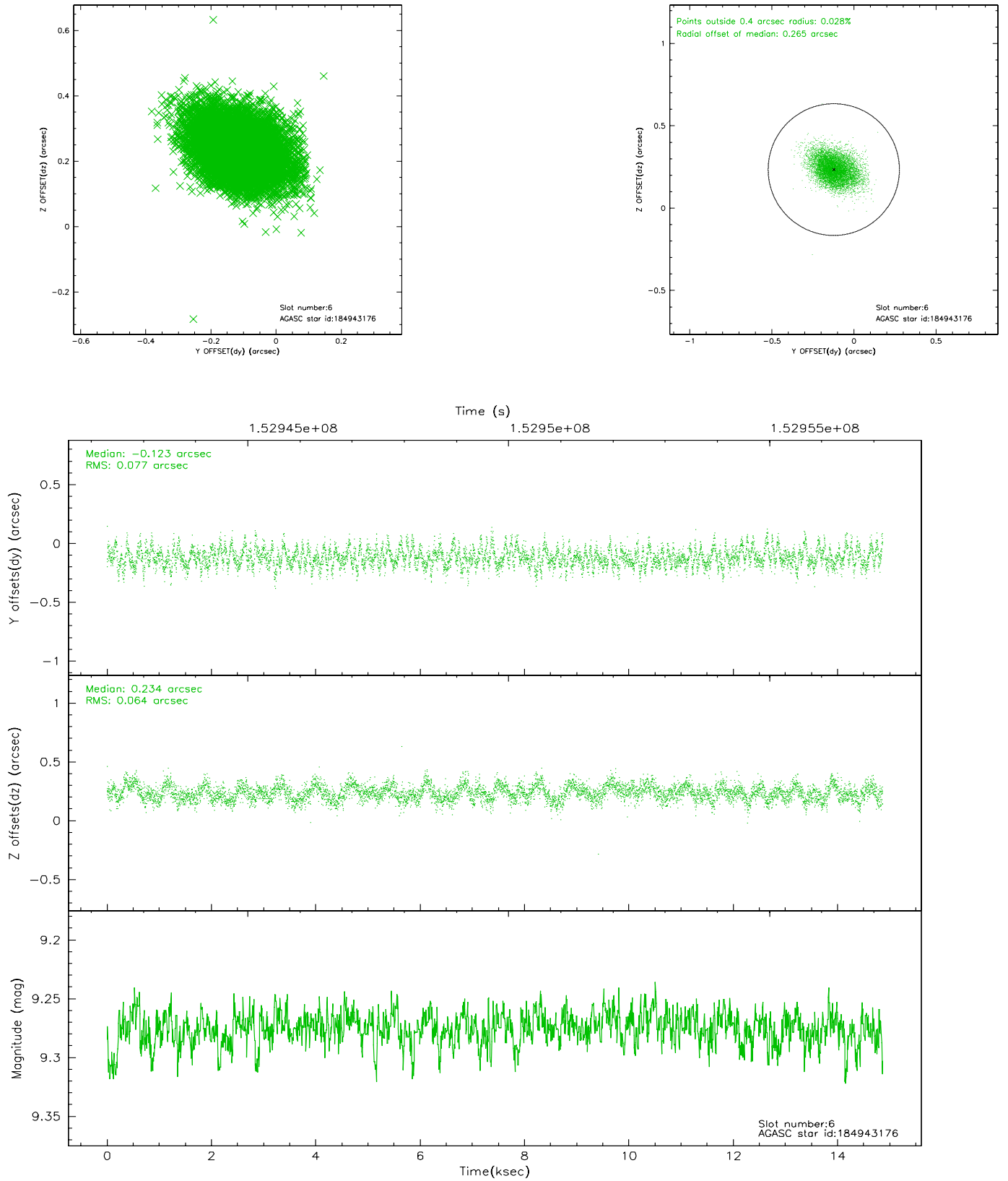
2.4.2 Slot 4



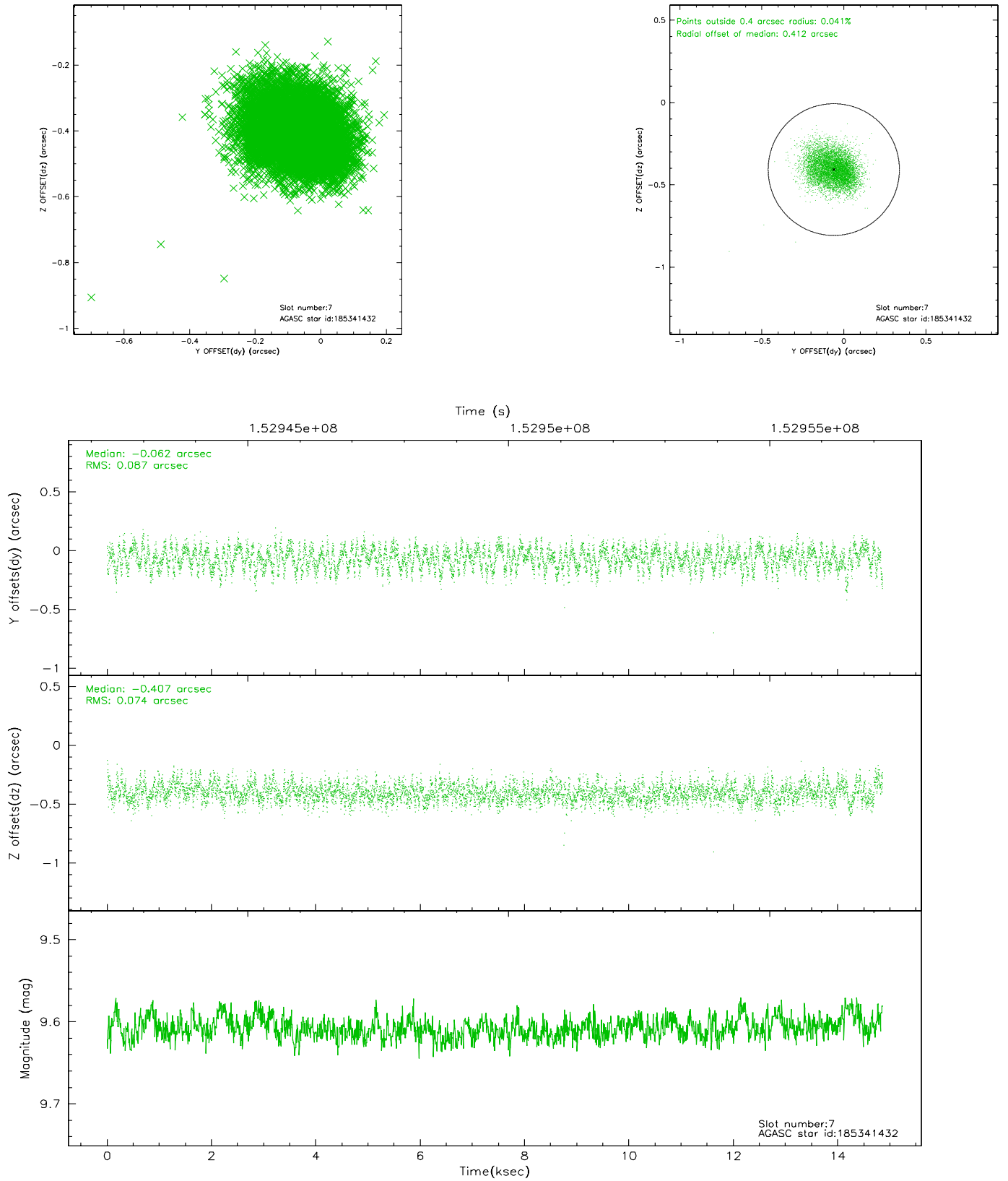
2.4.3 Slot 5



2.4.4 Slot 6

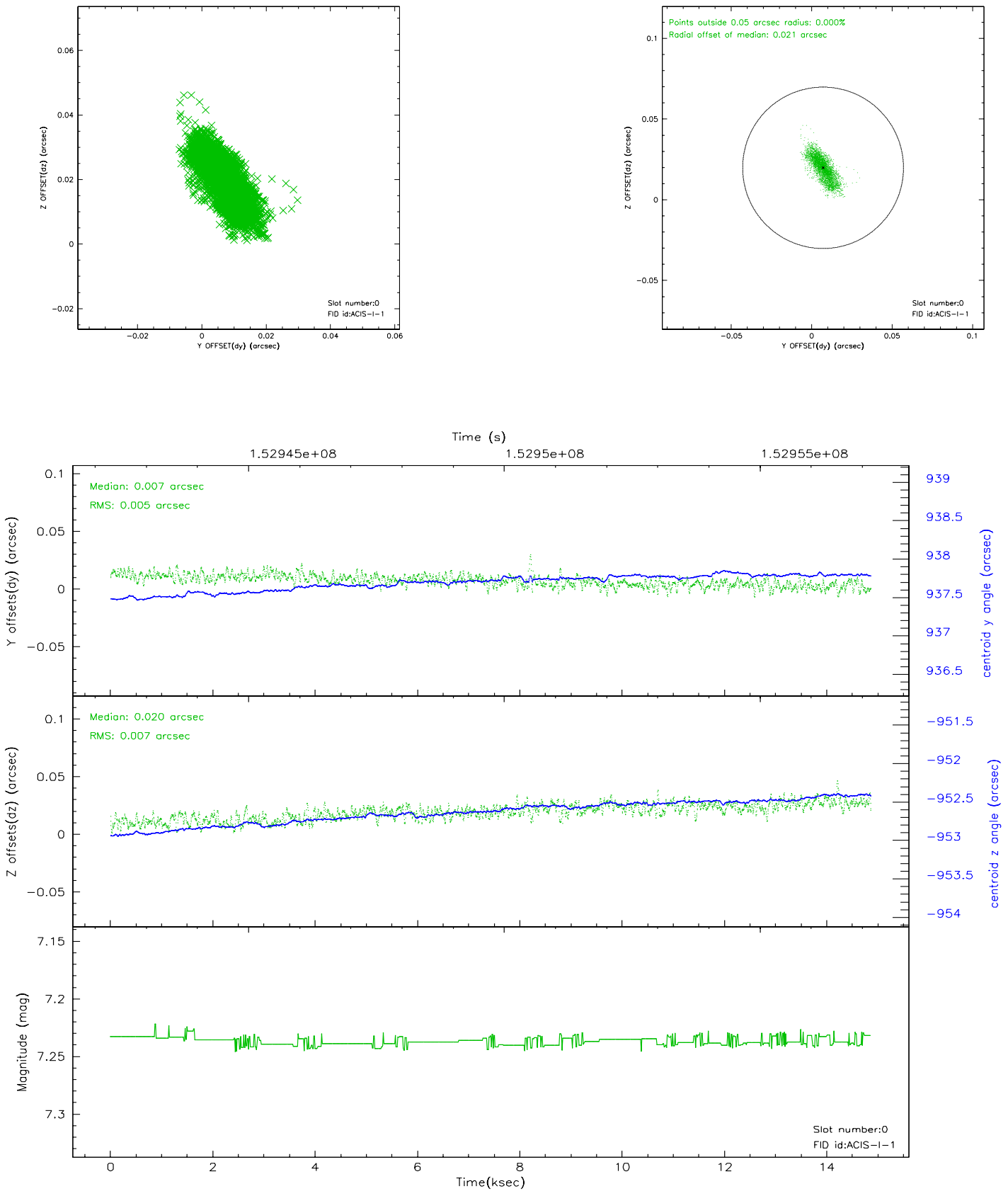


2.4.5 Slot 7

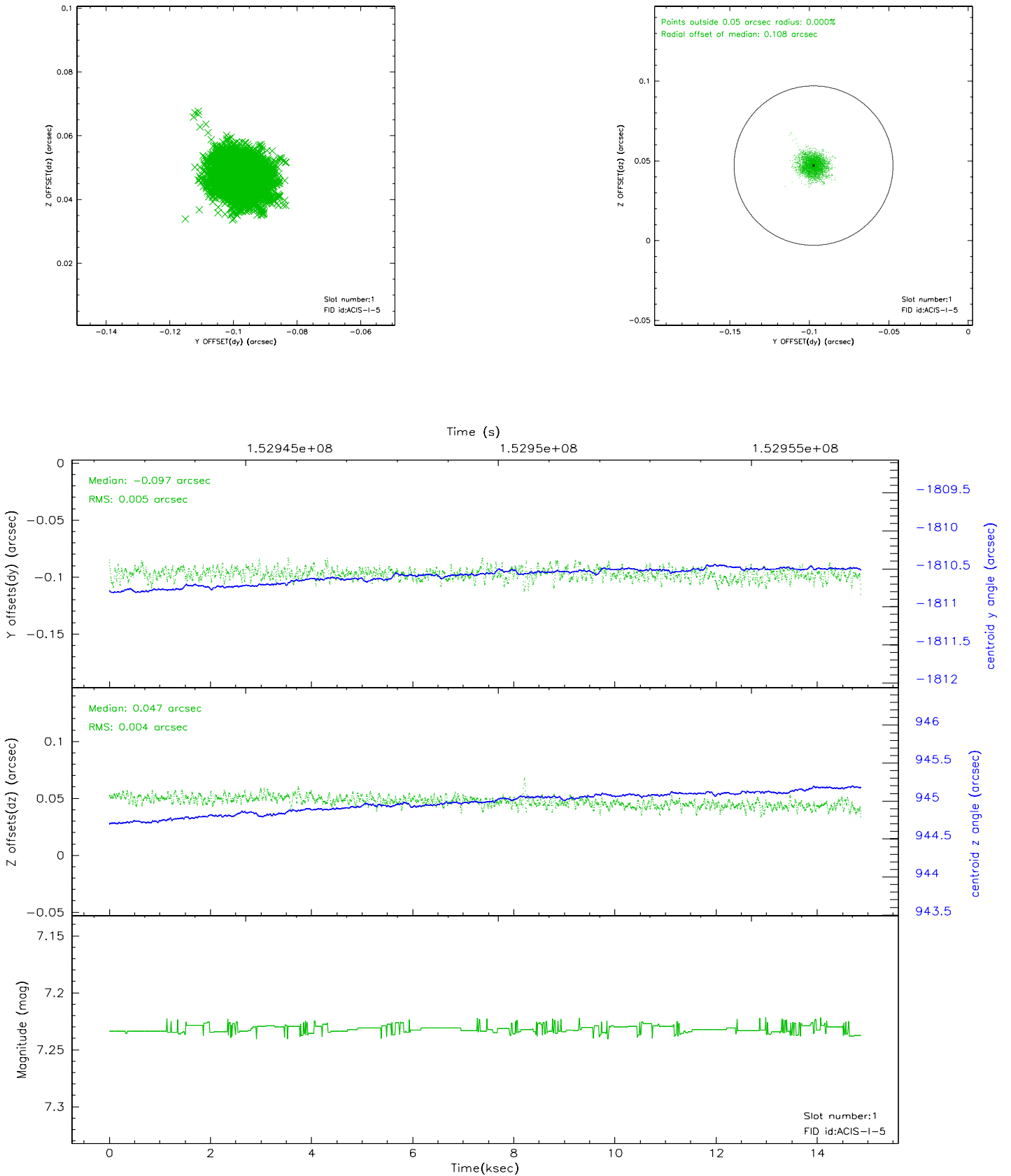


2.5 FID Slots

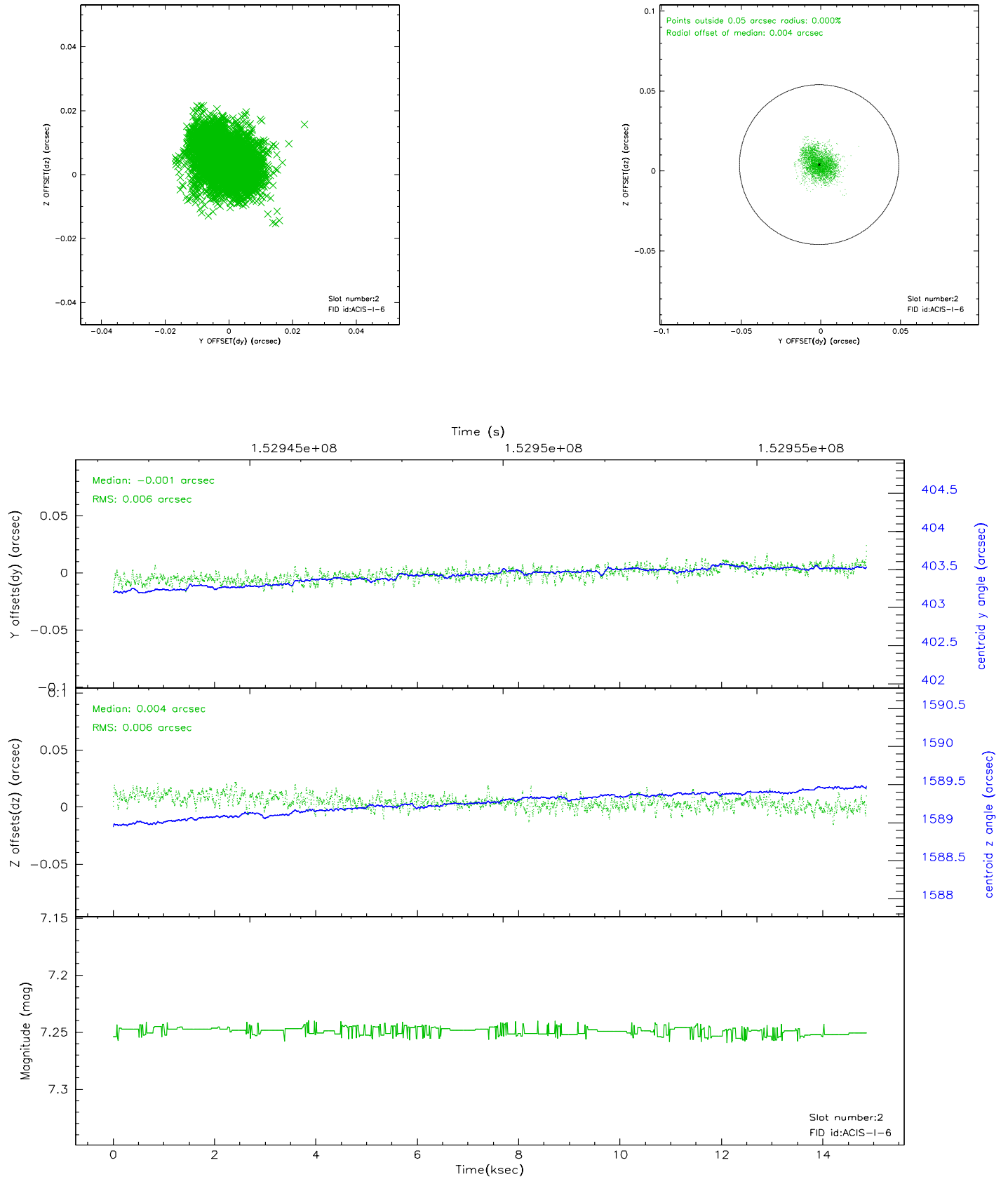
2.5.1 Slot 0



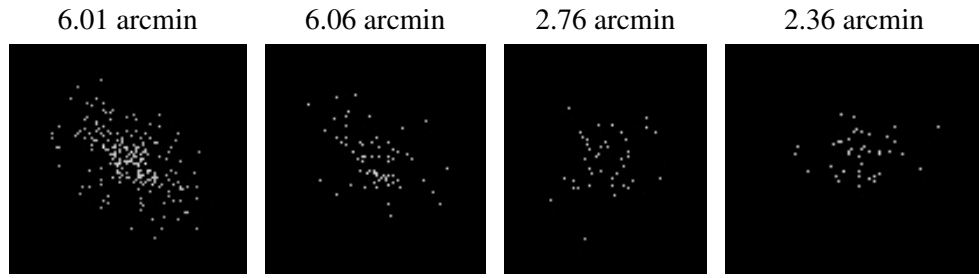
2.5.2 Slot 1



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	14.51

A.2 Comments