

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3277 - L2 Version 002
Chandra X-Ray Center

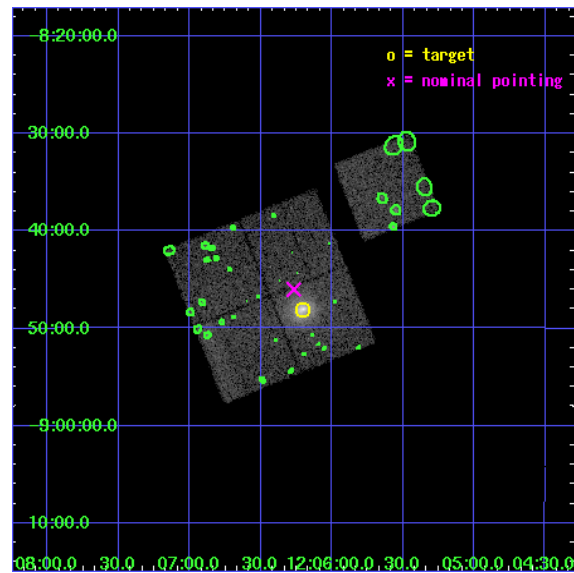
L2 Processing Date : Oct 23 2006

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 5	10
2.4.3	Slot 6	11
2.4.4	Slot 7	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
3	Point Sources	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

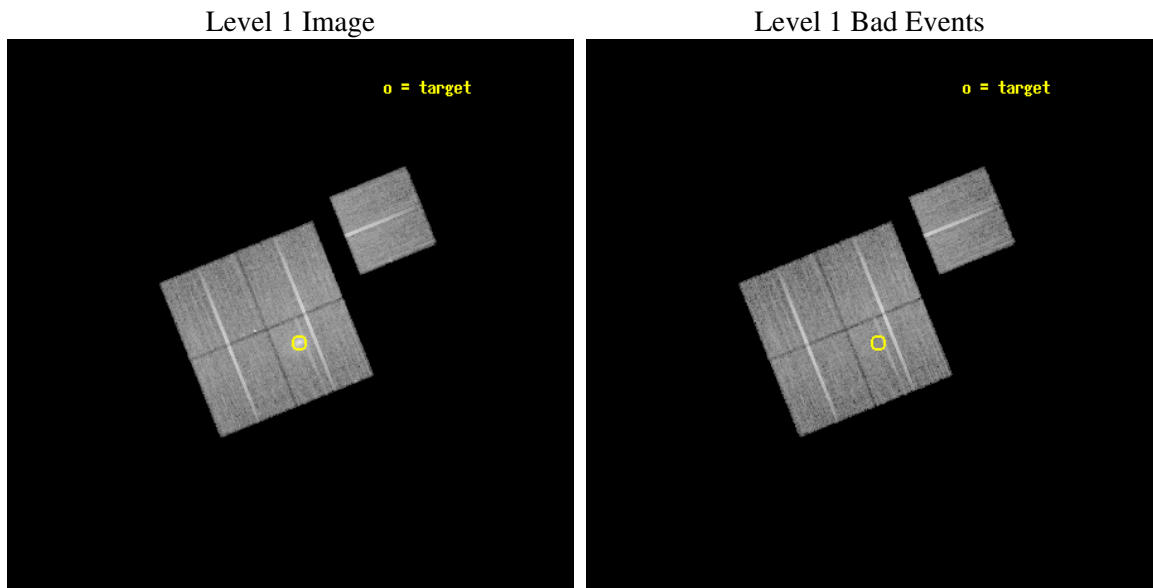
seq_num	800277
obs_id	3277
title	MACS: THE X-RAY PROPERTIES OF THE MOST MASSIVE GALAXY CLUSTERS AT $Z>0.3$
observer	Dr Harald Ebeling
object	MACSJ1206.2-0847
dtcycle	0
cycle	P
ra_targ	181.550833
dec_targ	-8.801111
ra_nom	181.56684929454
dec_nom	-8.7669808409548
roll_nom	68.072948120047
revision	3
ontime	23767.617954075
livetime	23457.07652804
ontime0	23770.758944213
ontime1	23767.617954075
ontime2	23767.617974013
ontime3	23767.617954075
ontime6	23770.758944213
l2events	65704



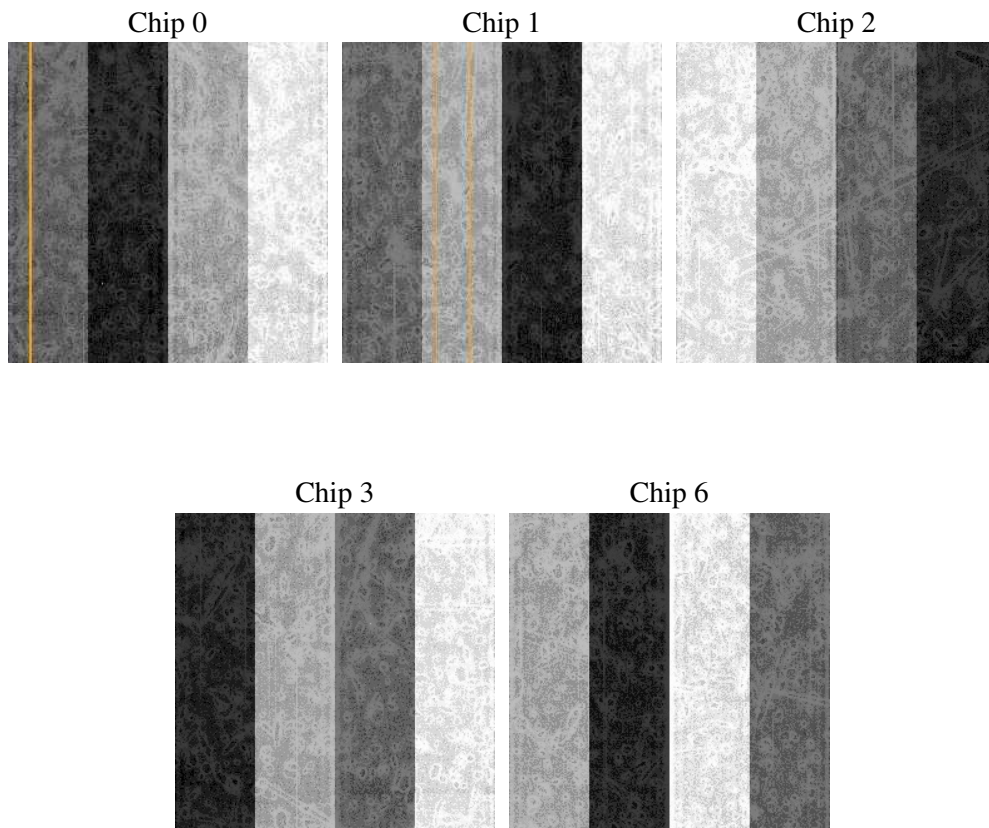
2 OBI

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	2006-10-23T21:10:44
revision	3

sched_exp_time	24000.000000
ontime	23771.099301547
ontime0	23774.240321606
ontime1	23771.099301547
ontime2	23771.099321485
ontime3	23771.099301547
ontime6	23774.240321606
l1events	610719

2.1.4 Events

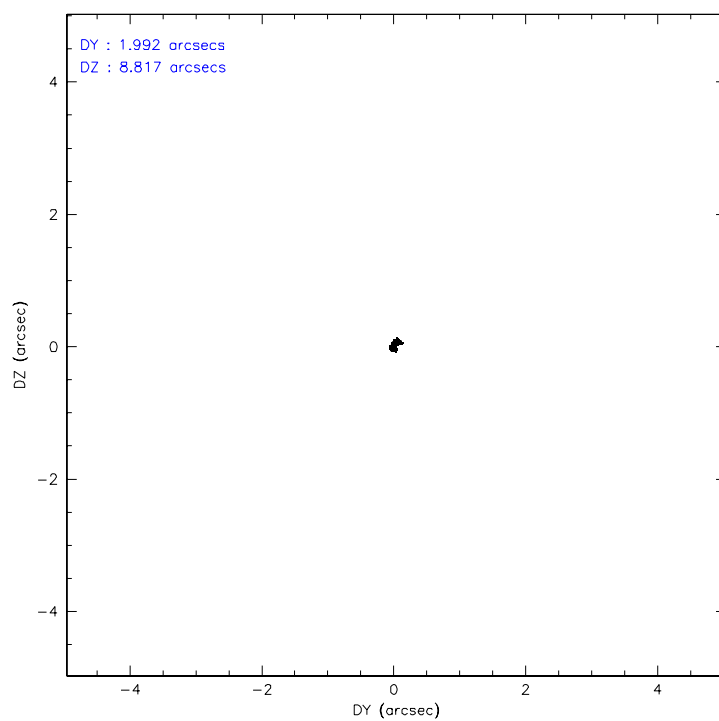
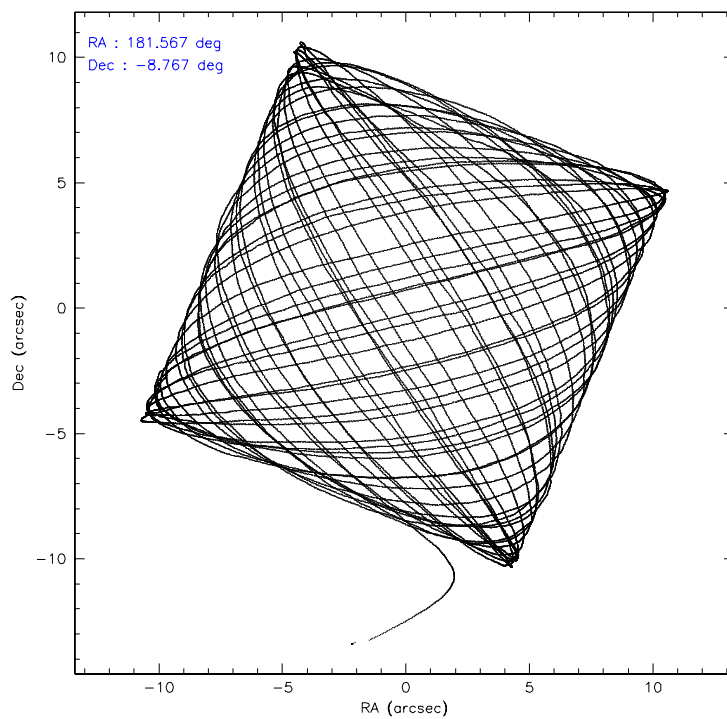
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	112876	112844	126834	135423	122742
rejected events	99961	98835	114543	110617	109732
rejected %	88%	87%	90%	81%	89%

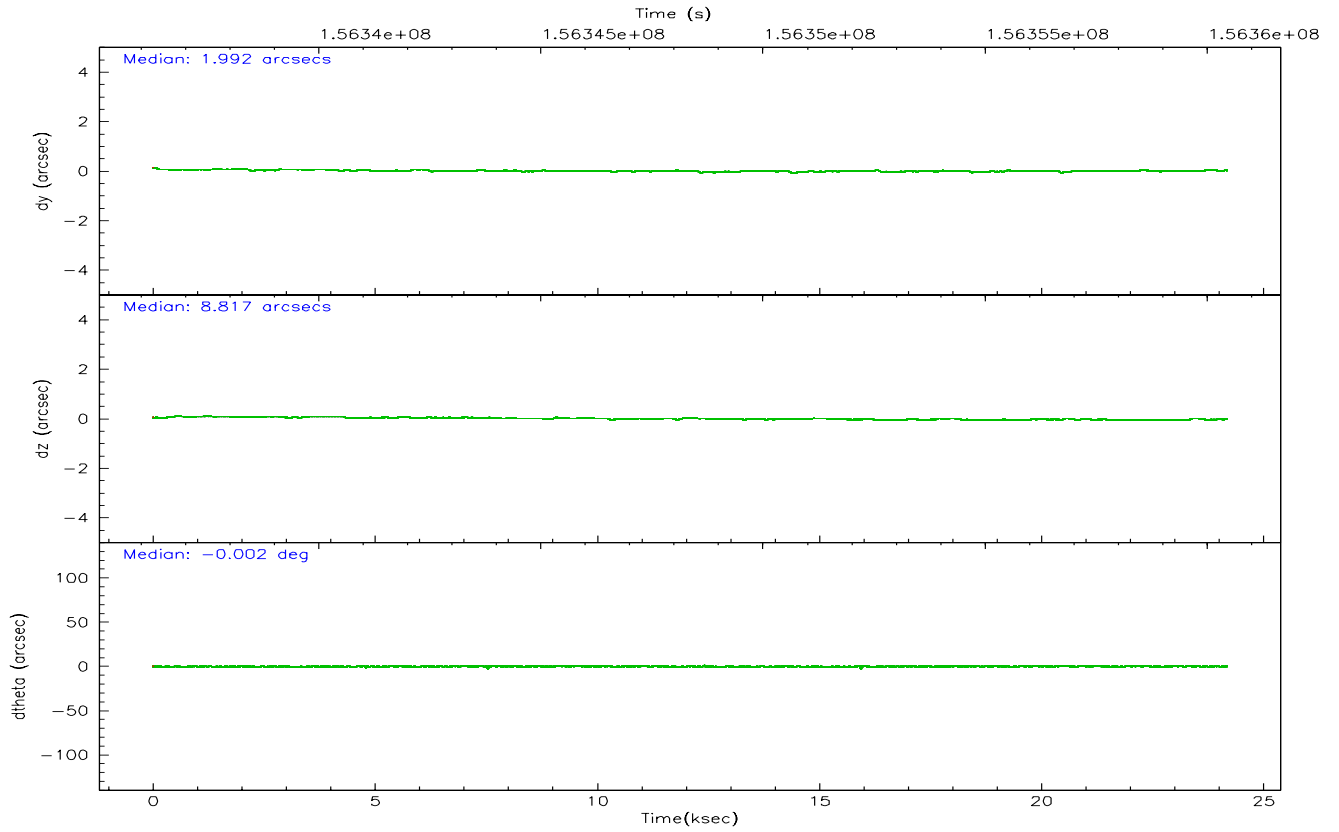
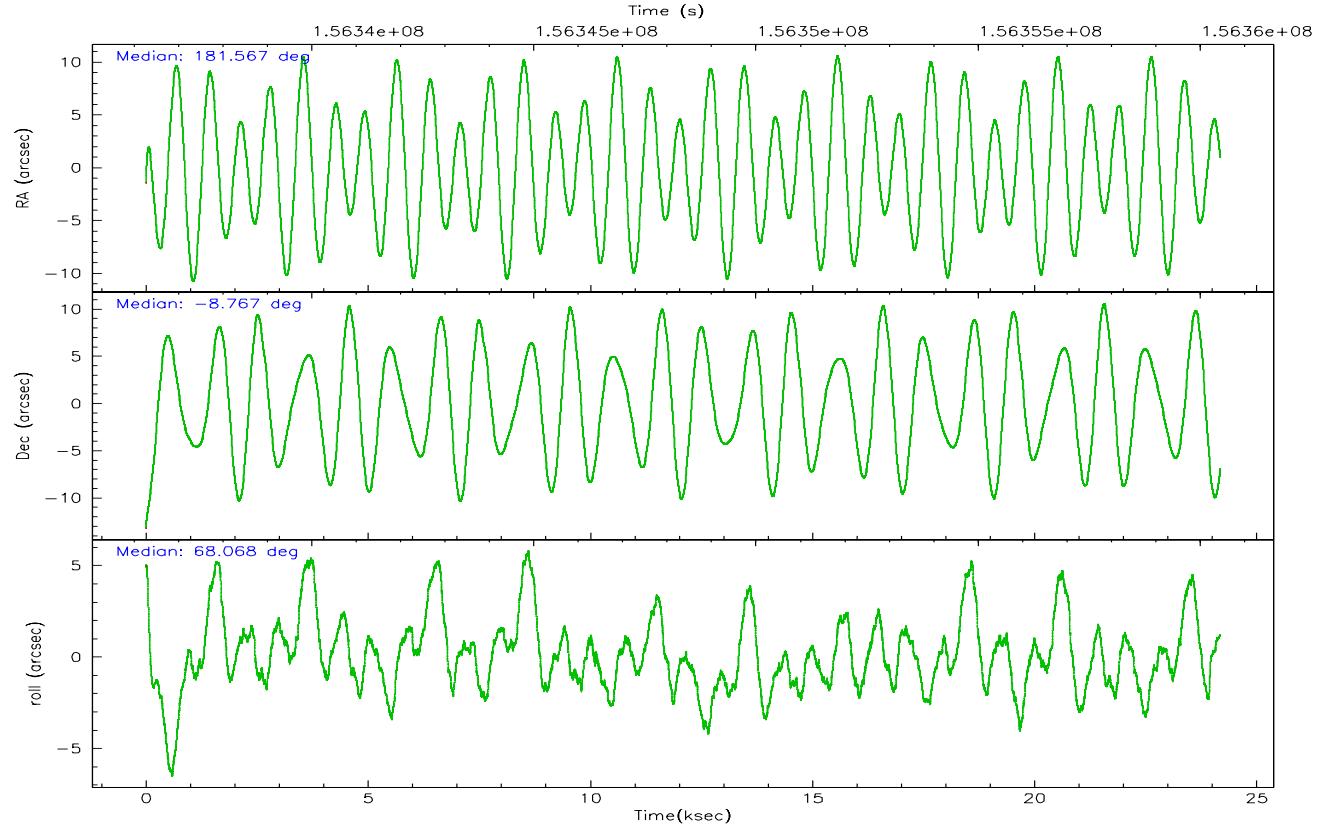
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4938	5339	4733	15174	4809
	4%	4%	3%	11%	3%
grade 1 events	61	58	63	115	46
	0%	0%	0%	0%	0%
grade 2 events	2924	2920	2740	3681	2698
	2%	2%	2%	2%	2%
grade 3 events	1523	1537	1314	1670	1411
	1%	1%	1%	1%	1%
grade 4 events	1323	1538	1351	1742	1429
	1%	1%	1%	1%	1%
grade 5 events	4170	4367	3829	4662	4654
	3%	3%	3%	3%	3%
grade 6 events	2207	2675	2154	2539	2664
	1%	2%	1%	1%	2%
grade 7 events	95730	94410	110650	105840	105031
	84%	83%	87%	78%	85%

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	181.570855	181.5668492945388	Subarray requested	NONE	NONE
Pointing Dec	-8.794052	-8.766980840954842	Alternating exposures requested	N	N
Pointing Roll	67.864876	68.07294812004726	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	156336451.184000	156335790.67004			
Observation start date	2002-12-15T10:46:27	2002-12-15T10:36:30			
Observation end time	156360451.184000	156361239.8836			
Observation end date	2002-12-15T17:26:27	2002-12-15T17:40:39			
Read mode	TIMED	TIMED			

2.3 Aspect



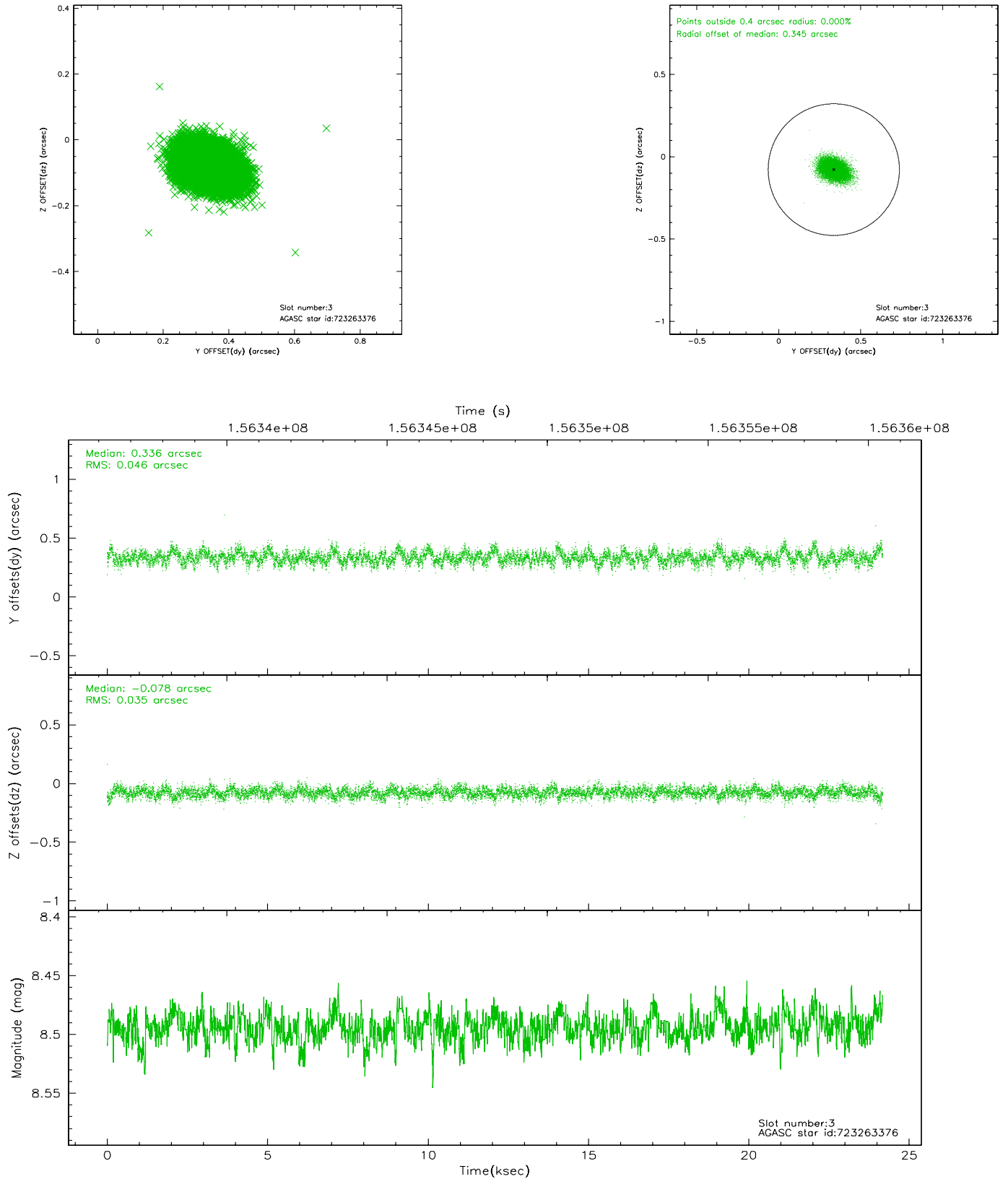


Slot Statistics

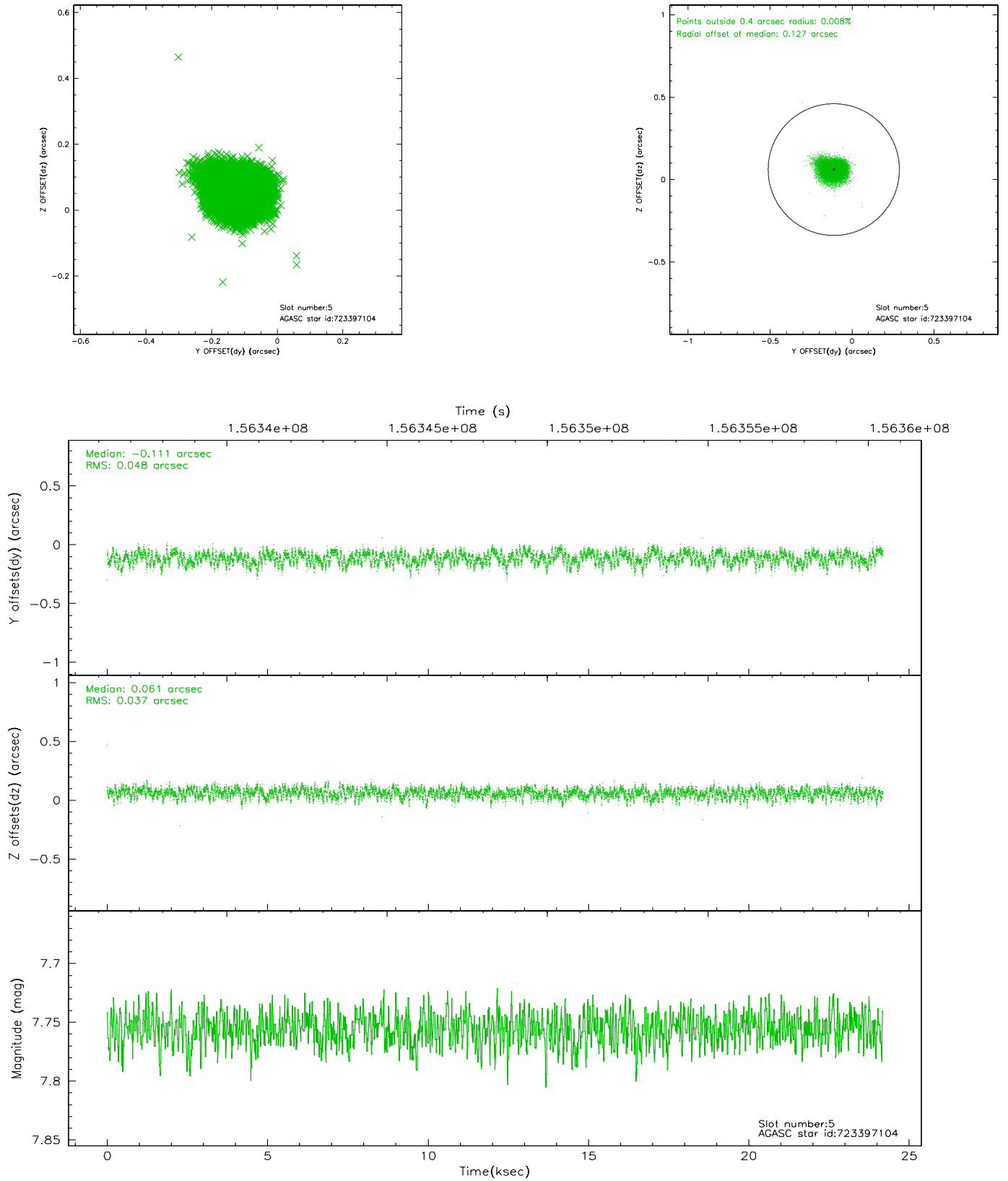
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	5897	0.009	0.022	0.006	0.011	0.000000	0.000000	937.71	-952.49
1	FID	ACIS-I-5	7.23	5897	-0.100	0.049	0.006	0.010	0.000000	0.000000	-1810.42	944.95
2	FID	ACIS-I-6	7.25	5896	0.000	-0.000	0.007	0.011	0.000000	0.000000	403.12	1589.55
3	GUIDE	723263376	8.49	11795	0.336	-0.078	0.061	0.103	181.274677	-9.308585	-2111.40	275.76
4	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	723397104	7.76	11796	-0.111	0.061	0.064	0.103	181.946290	-8.486028	1530.83	-820.74
6	GUIDE	723264944	8.72	11795	-0.045	-0.187	0.081	0.130	181.255643	-8.527713	465.80	1399.61
7	GUIDE	723389008	9.33	11792	-0.184	0.208	0.097	0.161	182.414005	-8.559734	1910.36	-2463.99

2.4 Star Slots

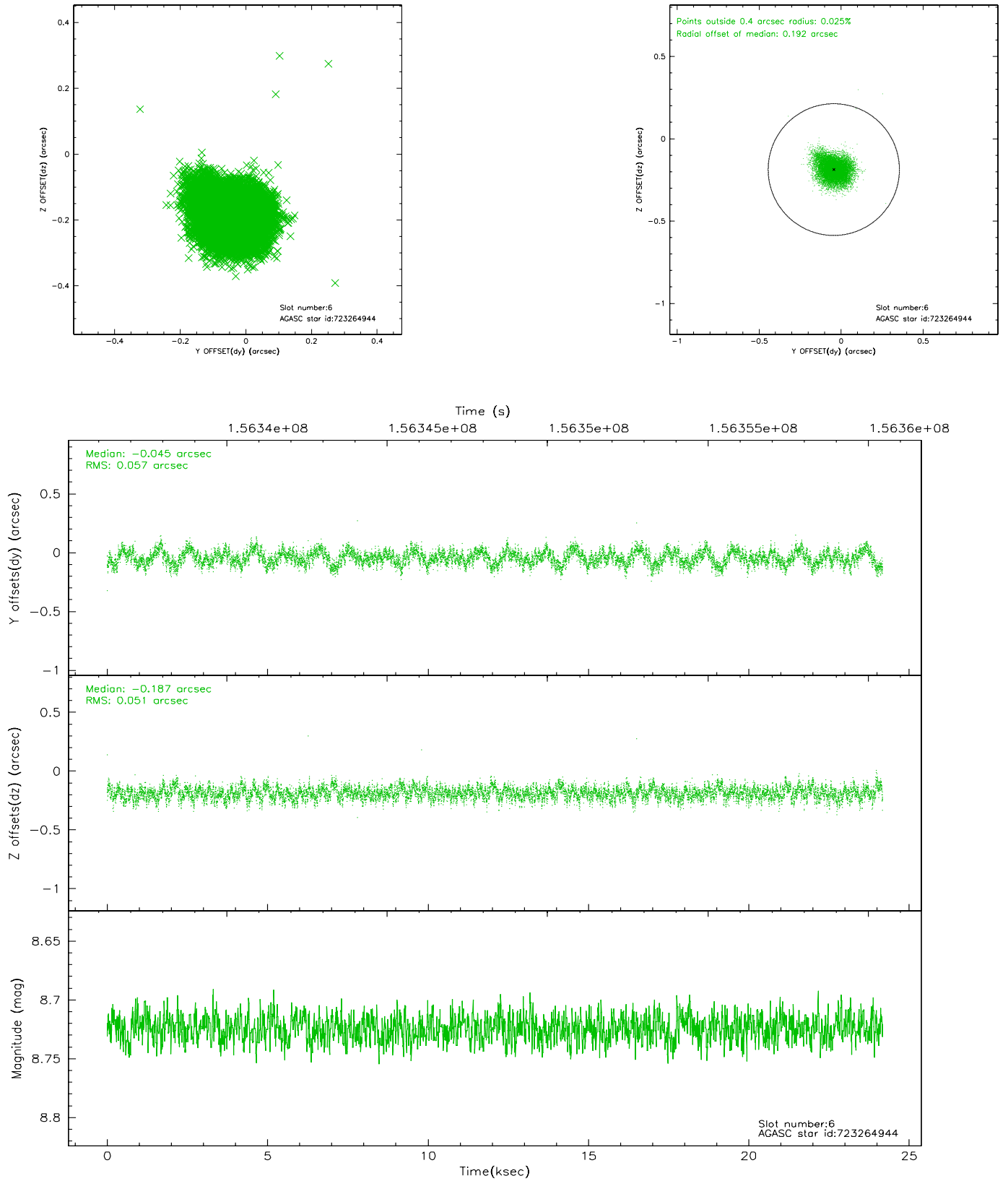
2.4.1 Slot 3



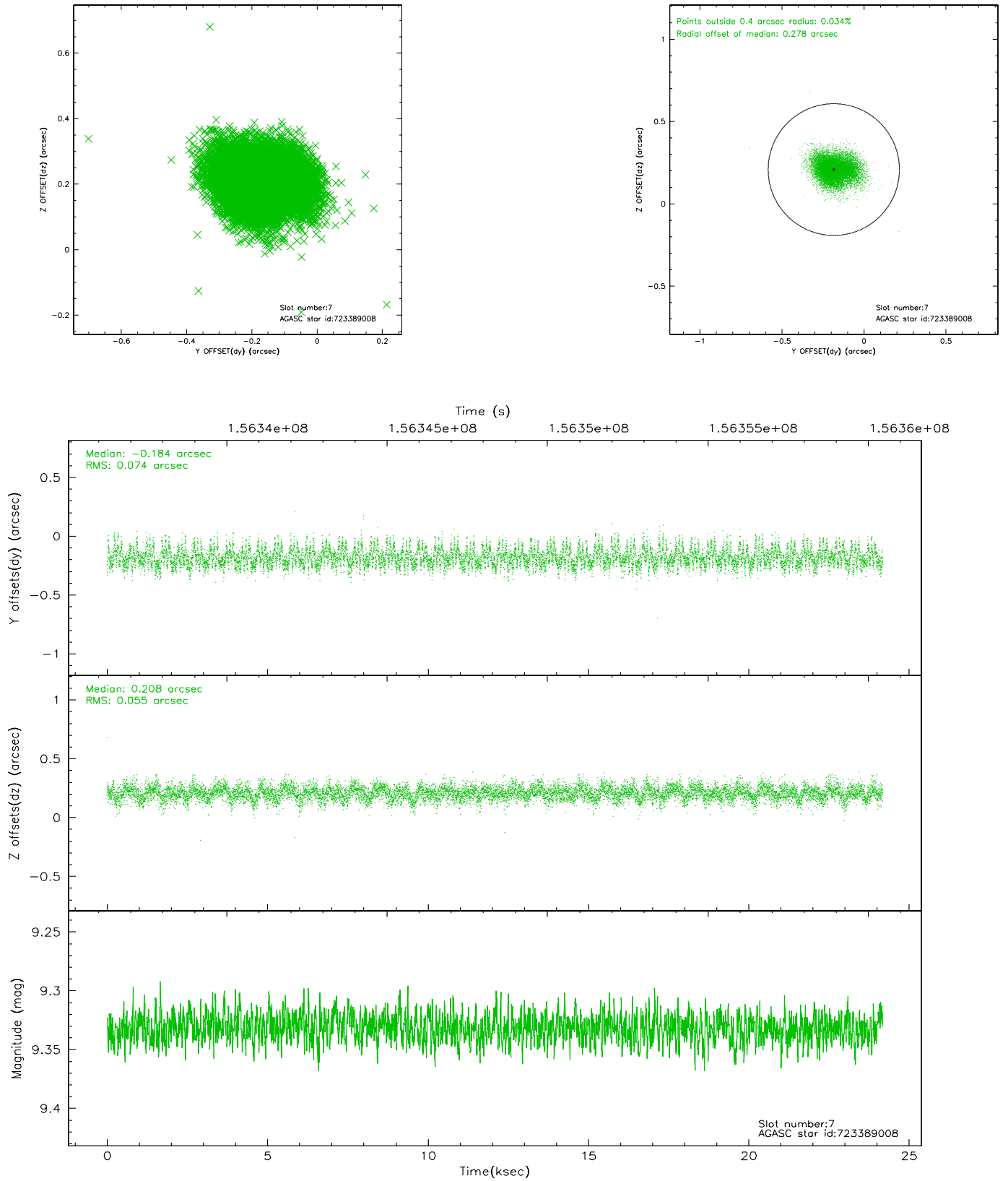
2.4.2 Slot 5



2.4.3 Slot 6

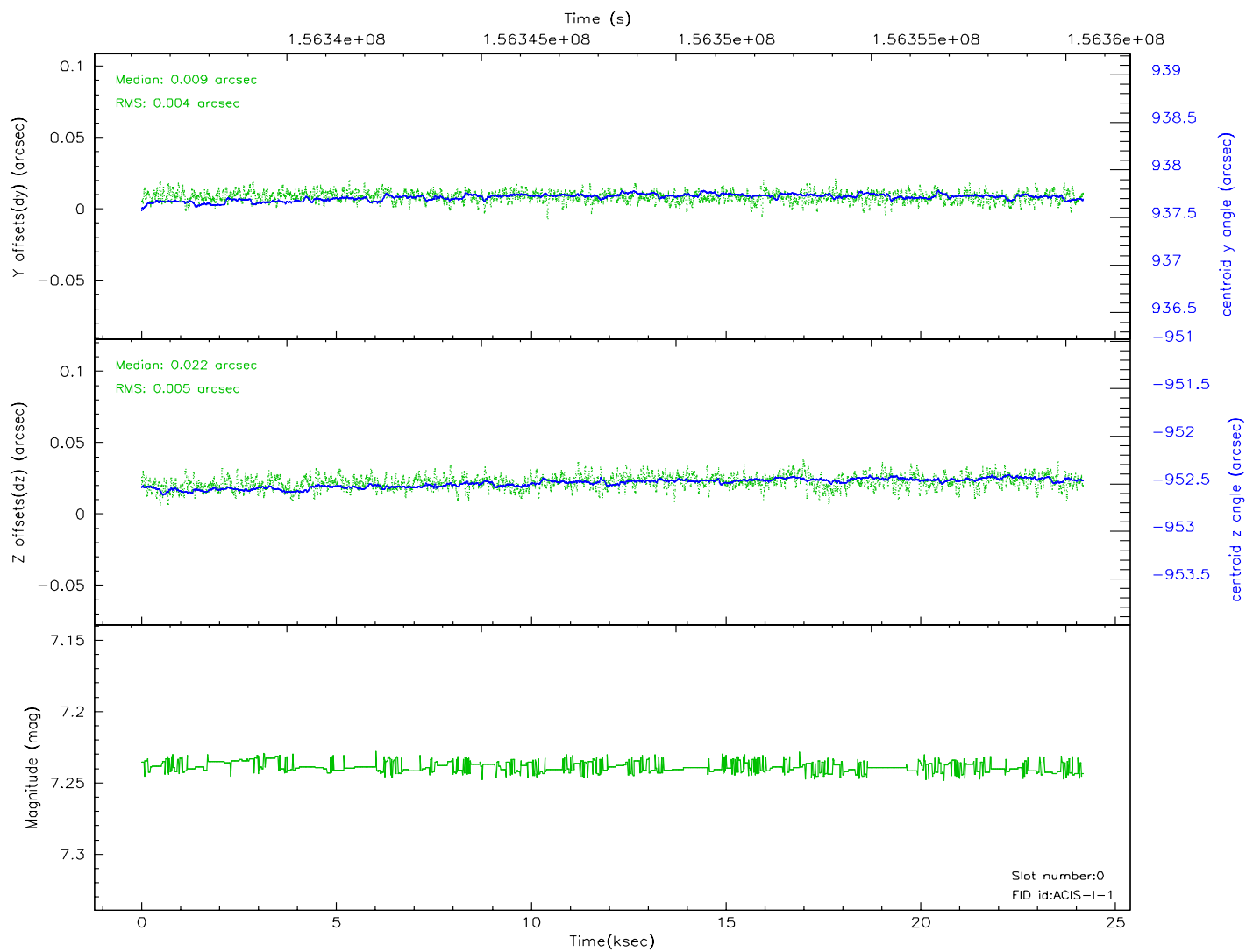
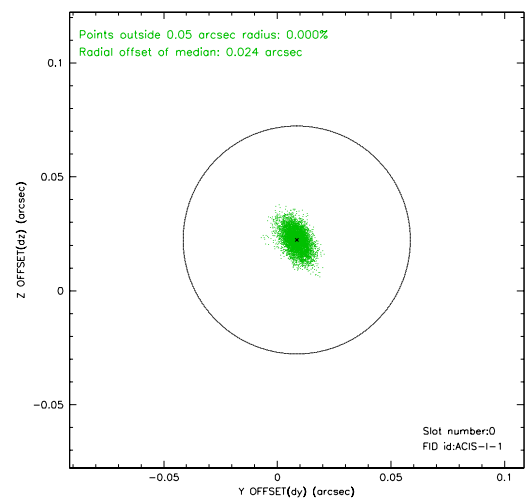
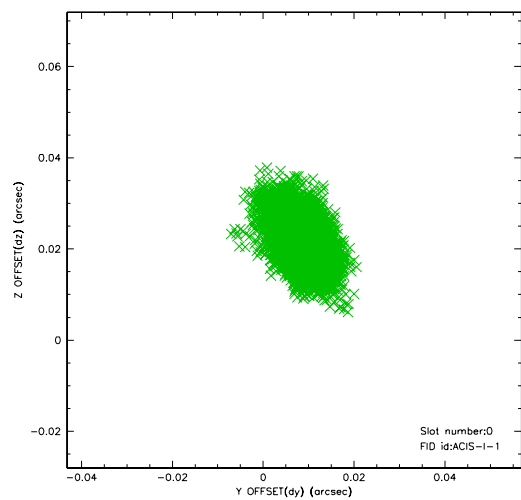


2.4.4 Slot 7

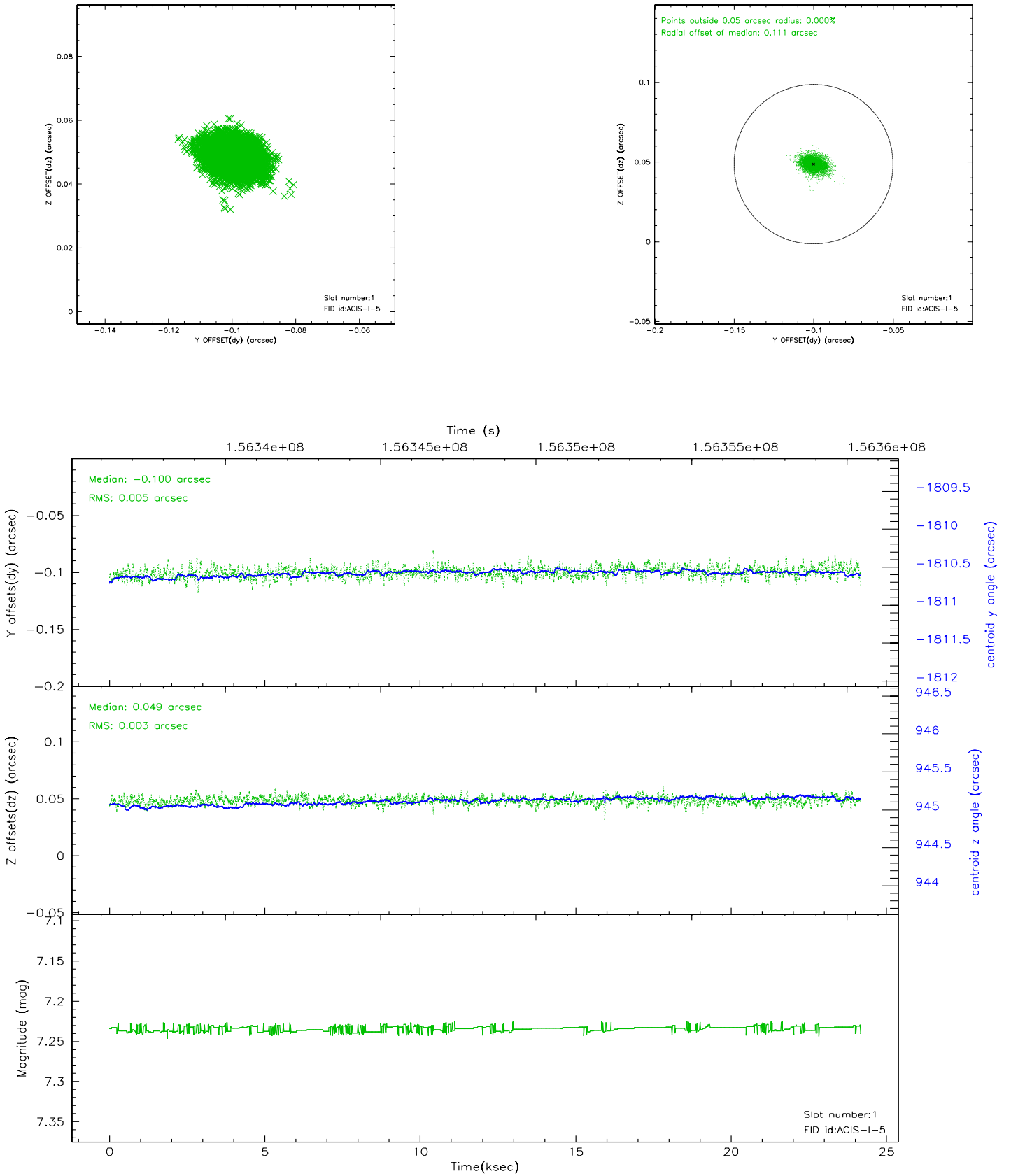


2.5 FID Slots

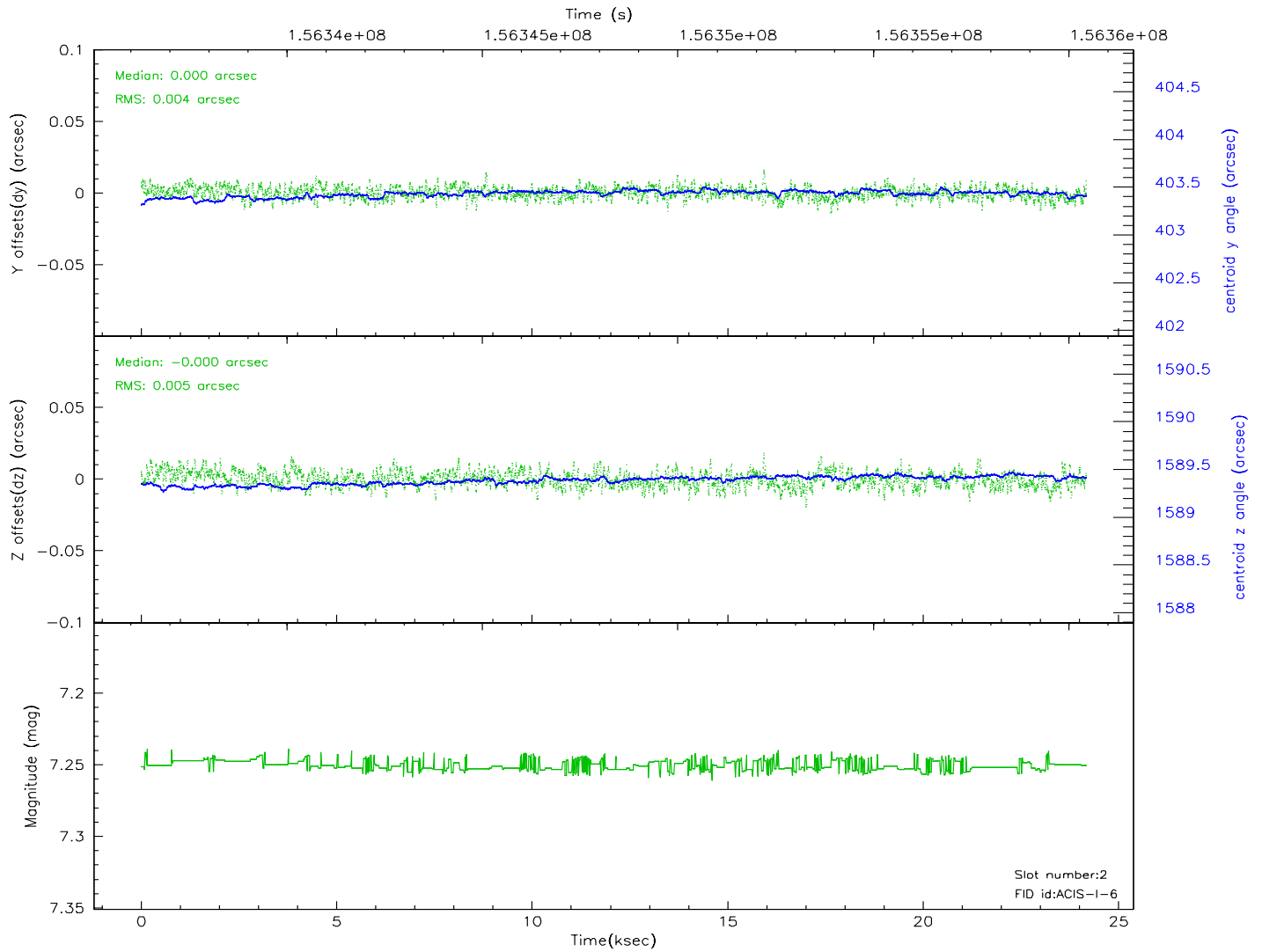
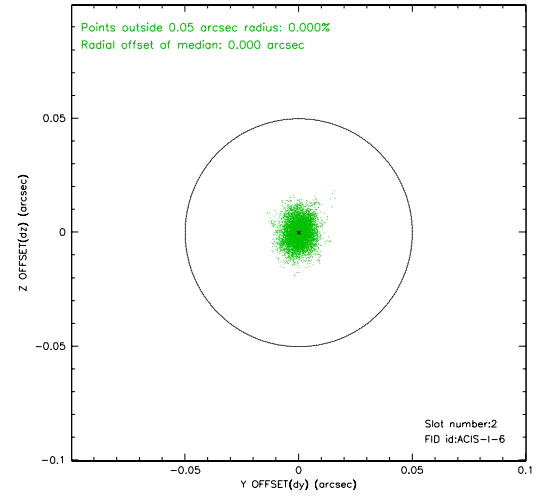
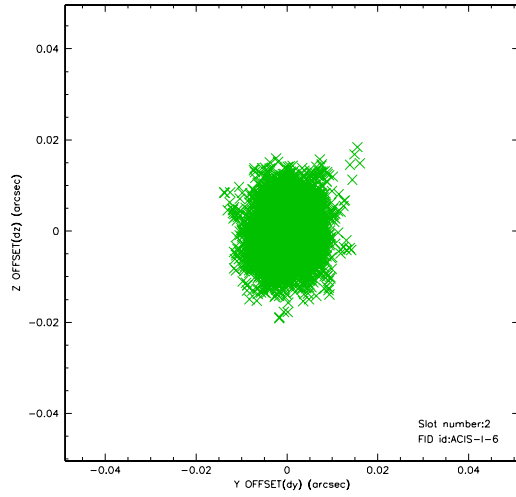
2.5.1 Slot 0



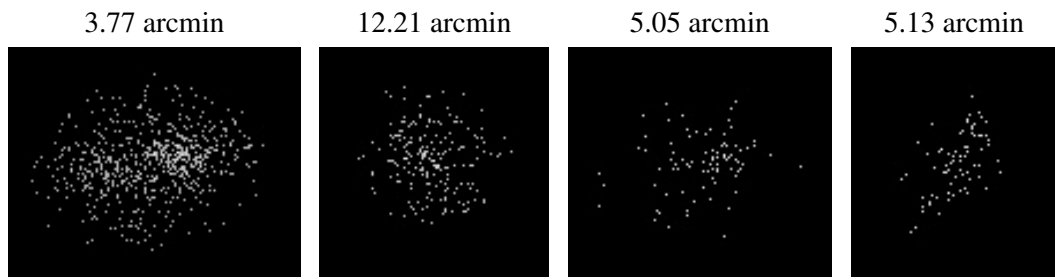
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.767

A.2 Comments

The star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one star from the solution.