

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1653 - L2 Version 001
Chandra X-Ray Center

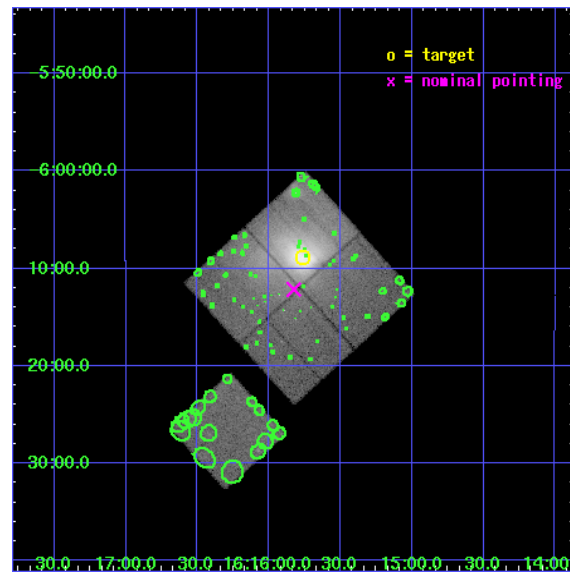
L2 Processing Date : Dec 8 2006

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

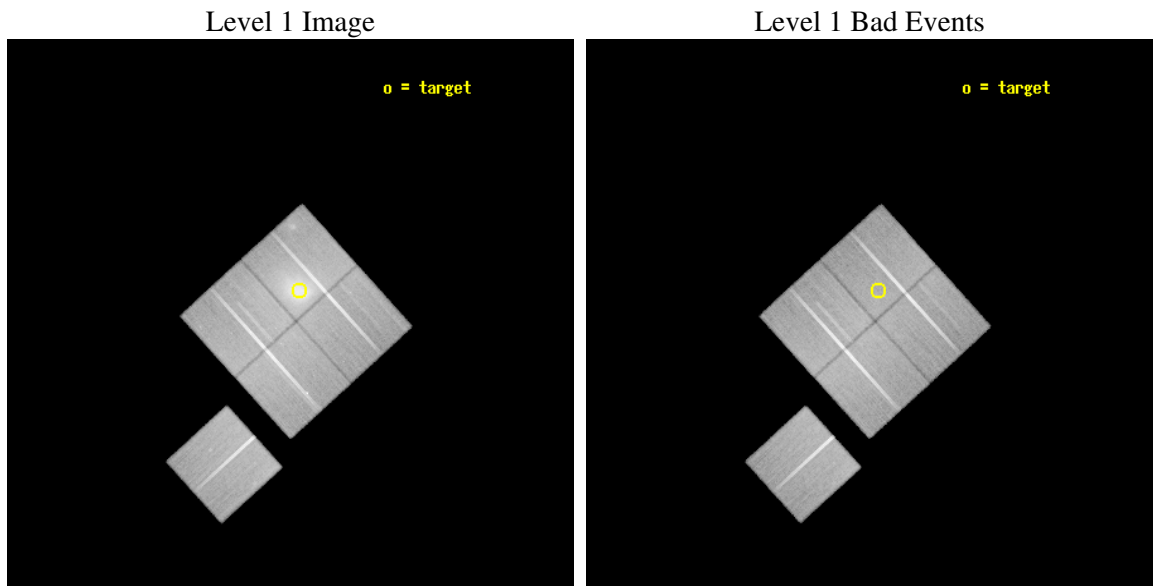
seq_num	800121
obs_id	1653
title	DEEP X-RAY IMAGE OF ABELL 2163
observer	Dr. Stephen Murray
object	ABELL 2163
dtcycle	0
cycle	P
ra_targ	243.9407
dec_targ	-6.148611
ra_nom	243.95646832054
dec_nom	-6.202793756047
roll_nom	227.72327554318
revision	2
ontime	72090.254019991
livetime	71148.341779146
ontime0	72080.830989644
ontime1	72090.254019991
ontime2	72093.395030022
ontime3	72102.817940786
ontime6	72096.536080062
l2events	418163



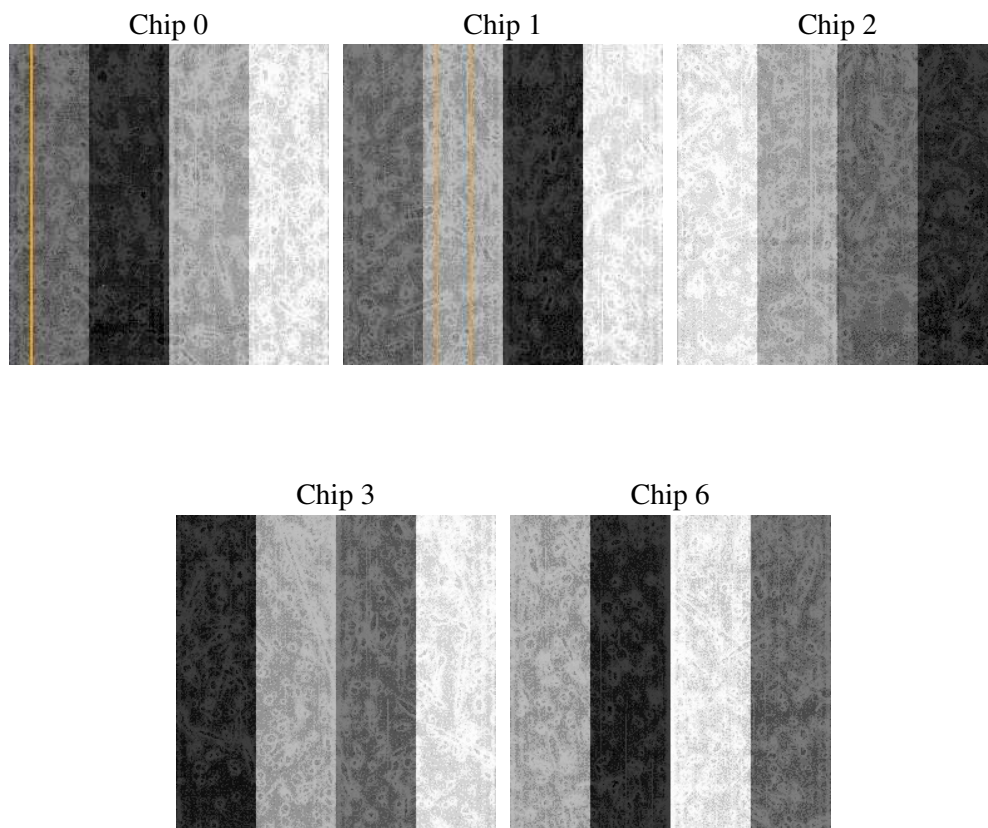
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-08T08:05:54
revision	2

sched_exp_time	72000.000000
ontime	72092.319440991
ontime0	72082.896410644
ontime1	72092.319440991
ontime2	72095.460451022
ontime3	72104.883361787
ontime6	72098.60152097
l1events	2474137

2.1.4 Events

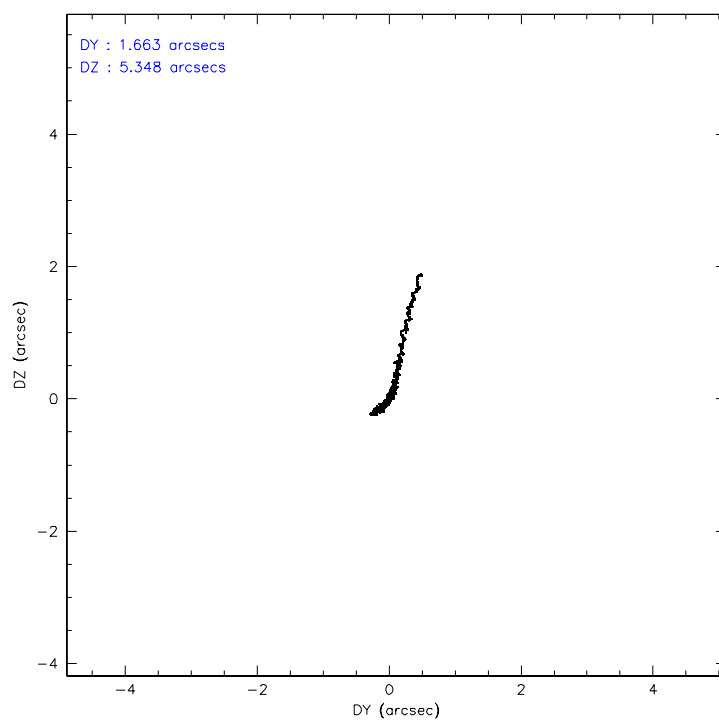
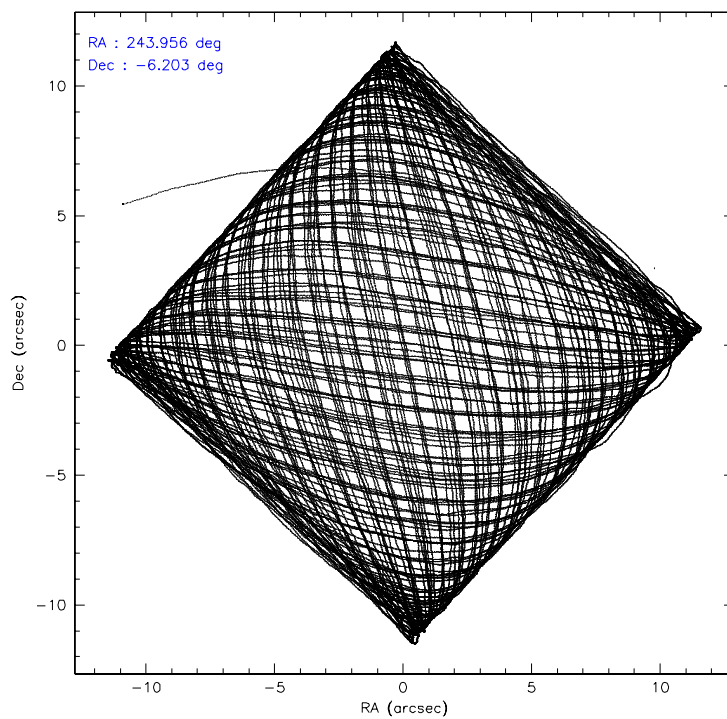
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	424078	612838	484309	493951	458961
rejected events	364333	367951	427571	421723	407505
rejected %	85%	60%	88%	85%	88%

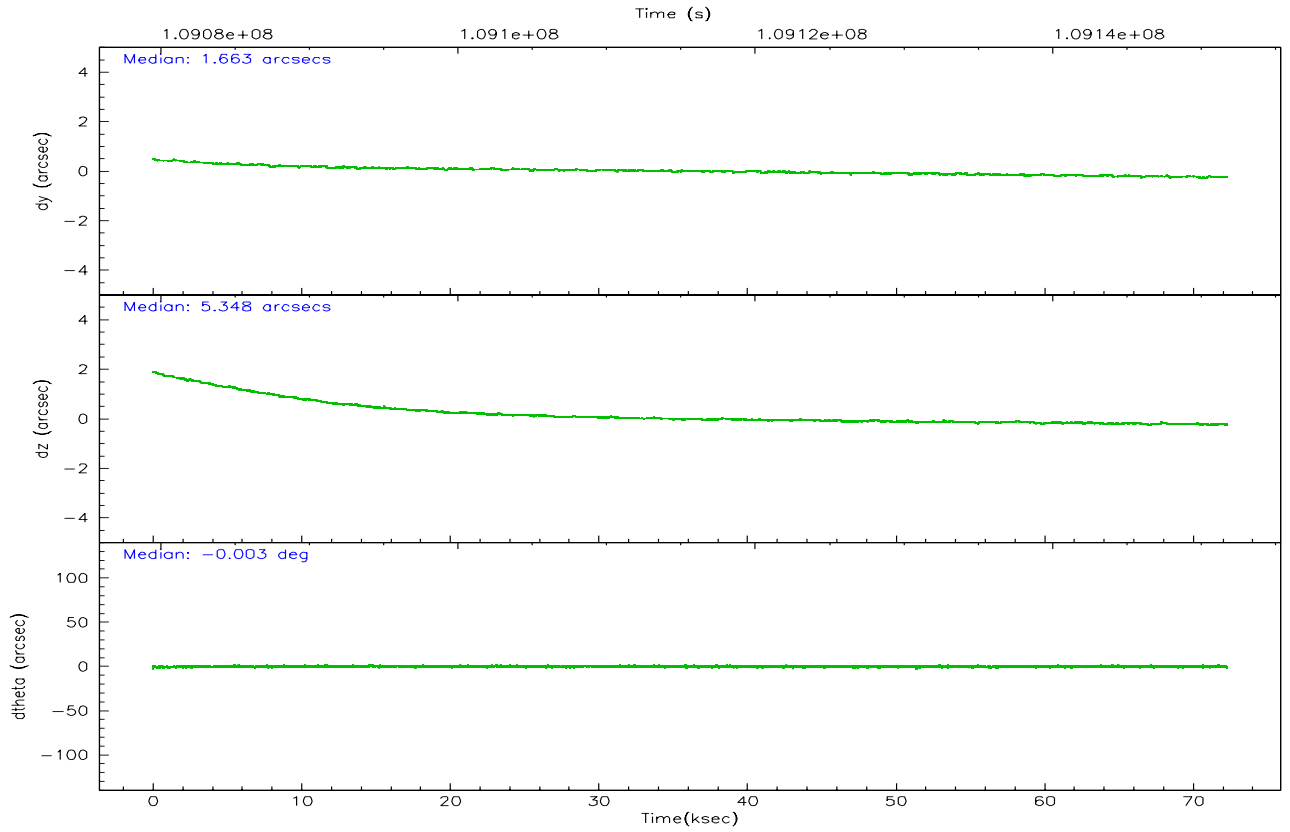
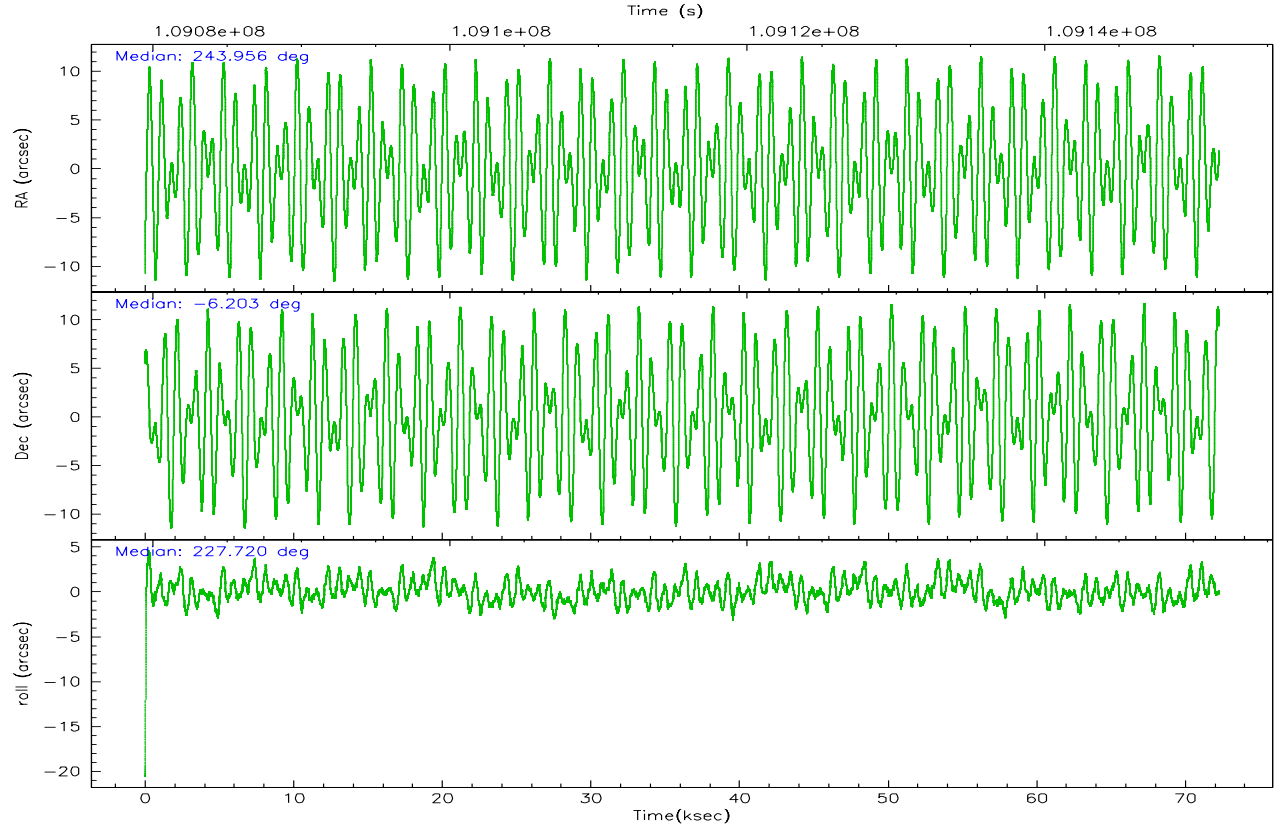
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	29047	174167	26557	40794	22507
	6%	28%	5%	8%	4%
grade 1 events	232	919	267	291	269
	0%	0%	0%	0%	0%
grade 2 events	12427	31683	12437	11928	10763
	2%	5%	2%	2%	2%
grade 3 events	5238	12044	4620	5485	5019
	1%	1%	0%	1%	1%
grade 4 events	4927	11637	5312	5507	4726
	1%	1%	1%	1%	1%
grade 5 events	12386	14203	11975	13845	14459
	2%	2%	2%	2%	3%
grade 6 events	8109	15363	7814	8516	8444
	1%	2%	1%	1%	1%
grade 7 events	351712	352822	415327	407585	392774
	82%	57%	85%	82%	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	243.962315	243.9564683205379	Subarray requested	NONE	NONE
Pointing Dec	-6.175977	-6.202793756047022	Alternating exposures requested	N	N
Pointing Roll	227.515217	227.7232755431751	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)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	109079753.184000	109078751.59525			
Observation start date	2001-06-16T11:54:49	2001-06-16T11:39:11			
Observation end time	109151753.184000	109151907.8981			
Observation end date	2001-06-17T07:54:49	2001-06-17T07:58:27			
Read mode	TIMED	TIMED			

2.3 Aspect



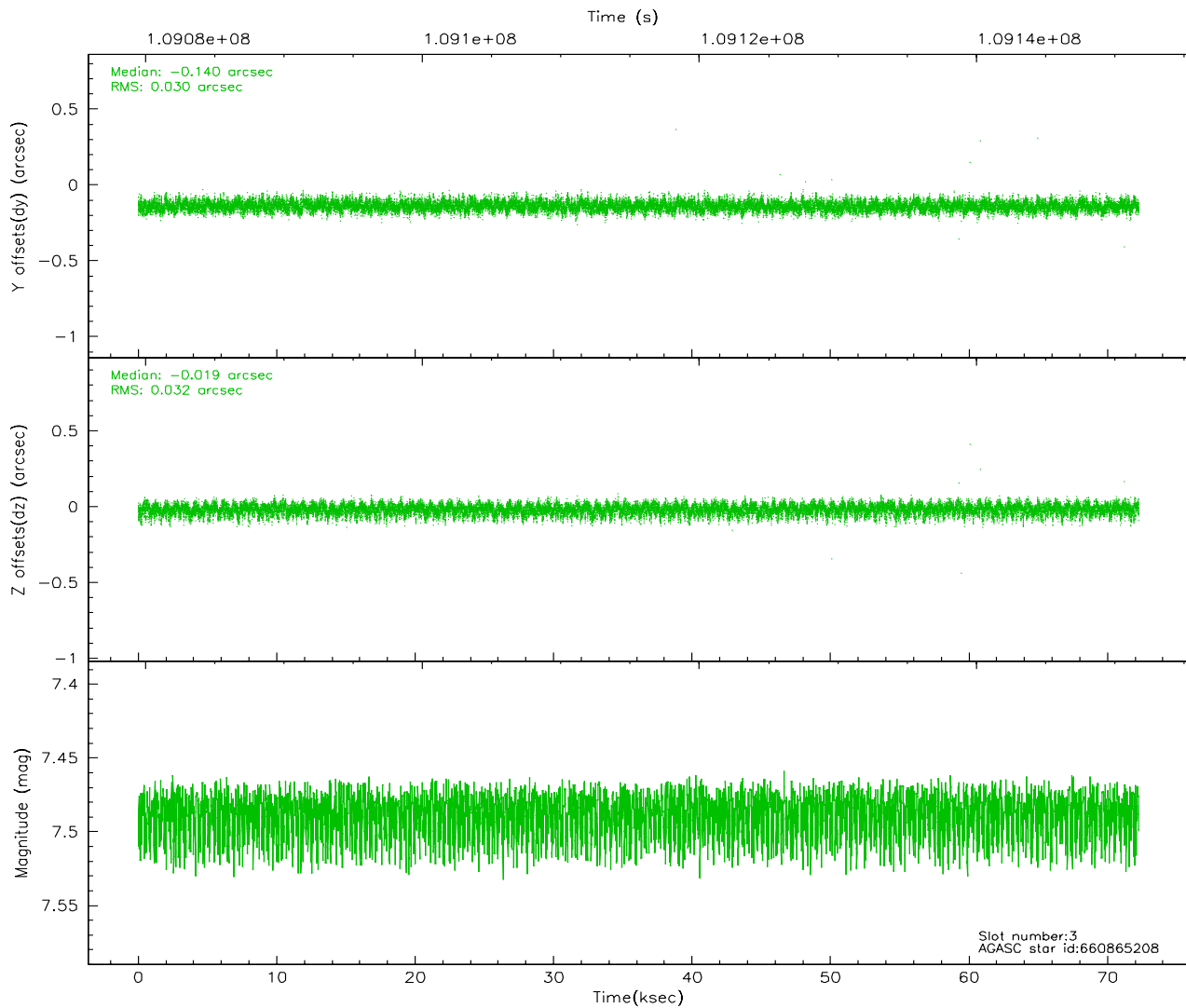
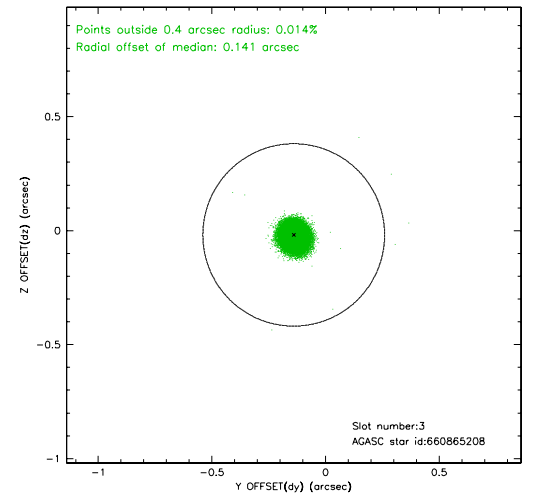
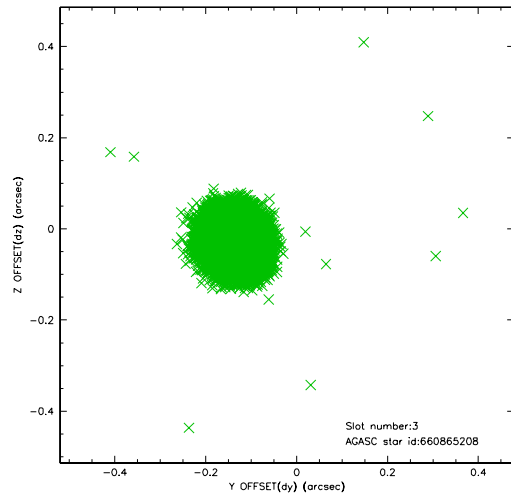


Slot Statistics

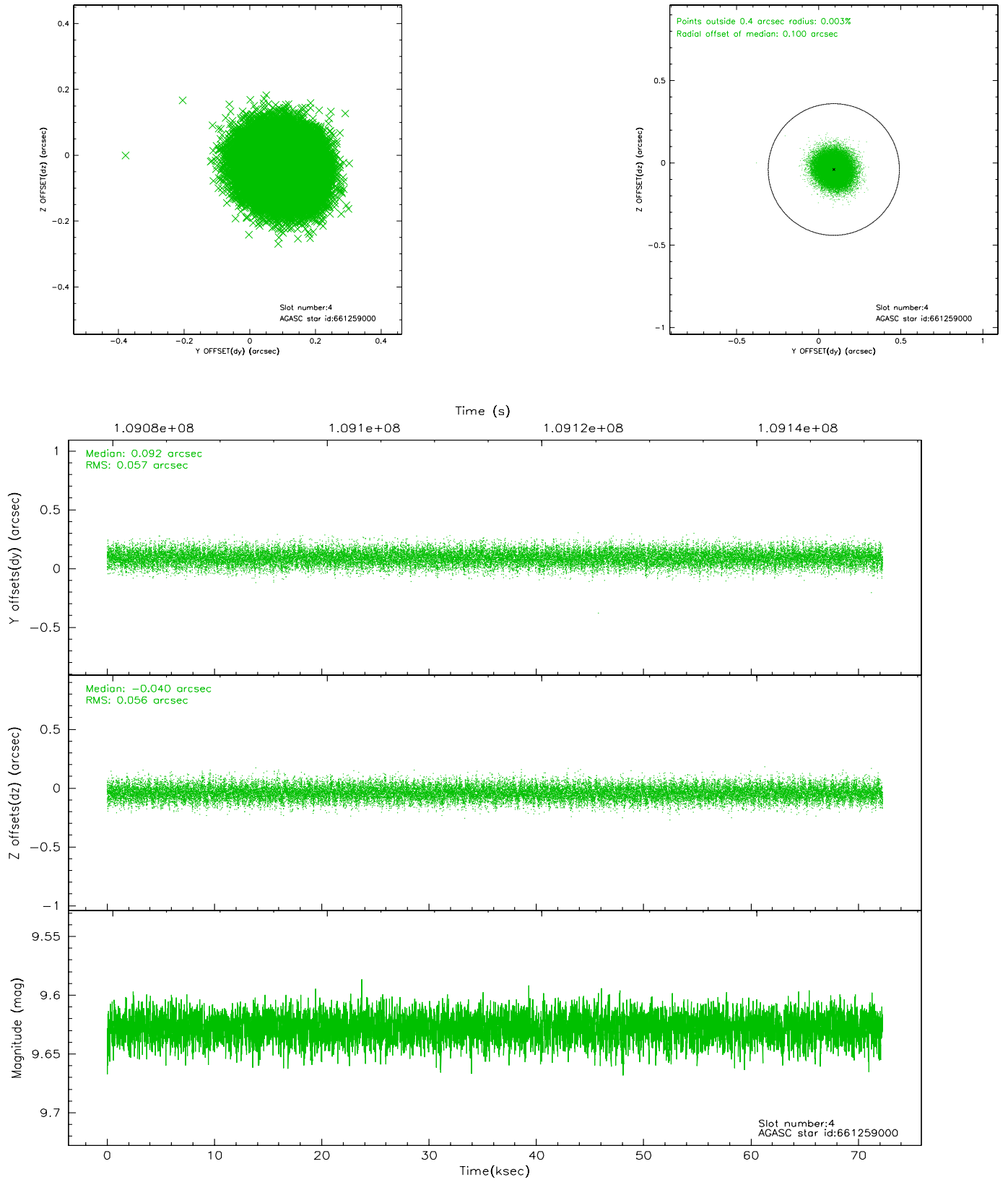
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	17622	-0.019	-0.033	0.012	0.024	0.000000	0.000000	-756.03	-835.32
1	FID	ACIS-I-4	7.19	17620	-0.065	0.029	0.007	0.016	0.000000	0.000000	2158.00	1070.97
2	FID	ACIS-I-5	7.23	17621	-0.017	0.073	0.009	0.015	0.000000	0.000000	-1809.95	1068.76
3	GUIDE	660865208	7.49	35244	-0.140	-0.019	0.046	0.076	244.201114	-5.496792	-2380.80	-1019.76
4	GUIDE	661259000	9.63	35226	0.092	-0.040	0.085	0.138	243.433065	-6.229365	1422.03	-1265.71
5	GUIDE	661394632	8.68	35238	-0.079	0.060	0.066	0.104	244.012741	-6.597743	998.07	1159.20
6	GUIDE	661395928	9.74	35225	0.045	0.079	0.089	0.147	244.257186	-6.222729	-588.14	892.80
7	GUIDE	661260568	9.76	35150	0.082	-0.081	0.114	0.178	243.232041	-6.293387	2078.35	-1639.75

2.4 Star Slots

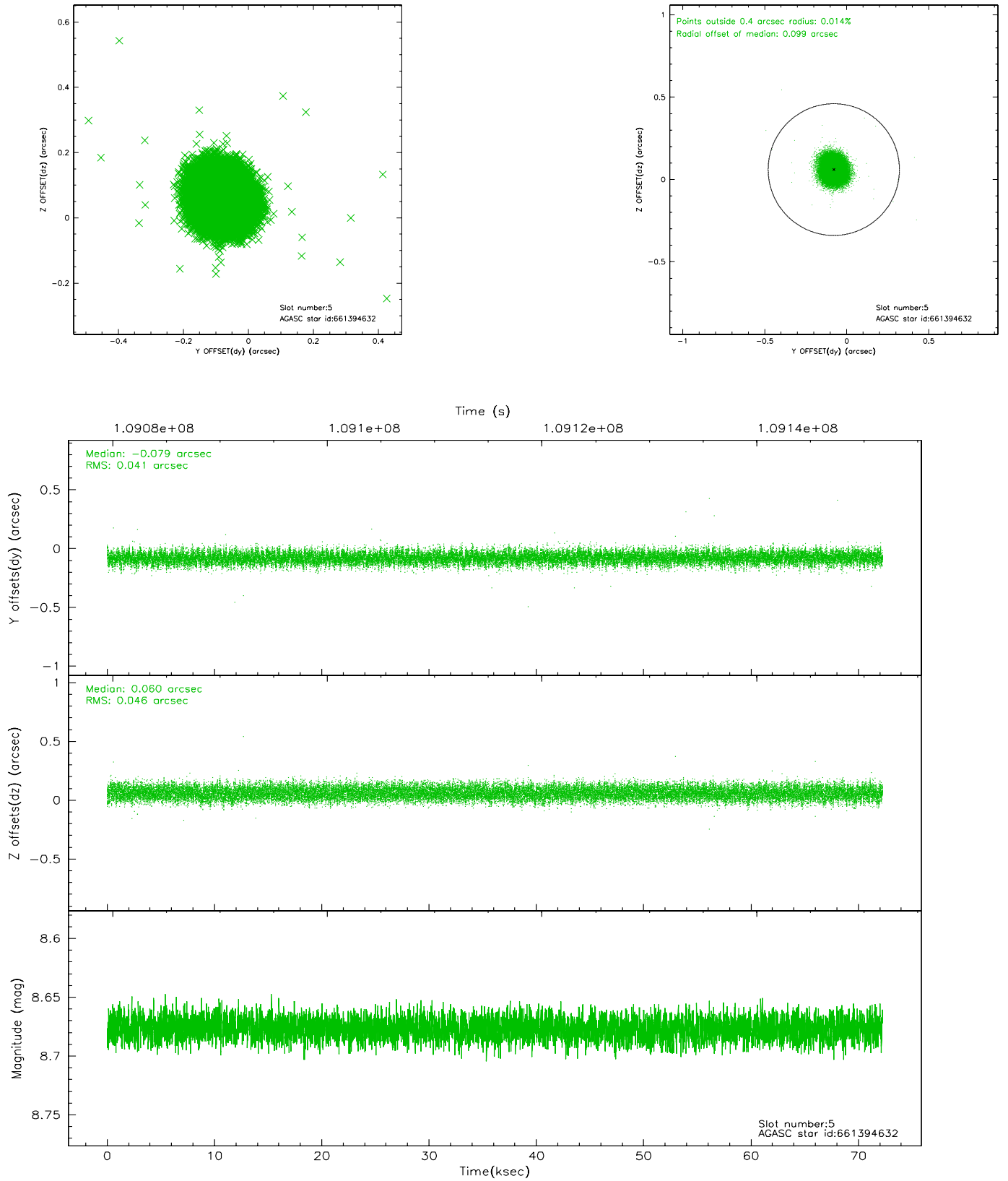
2.4.1 Slot 3



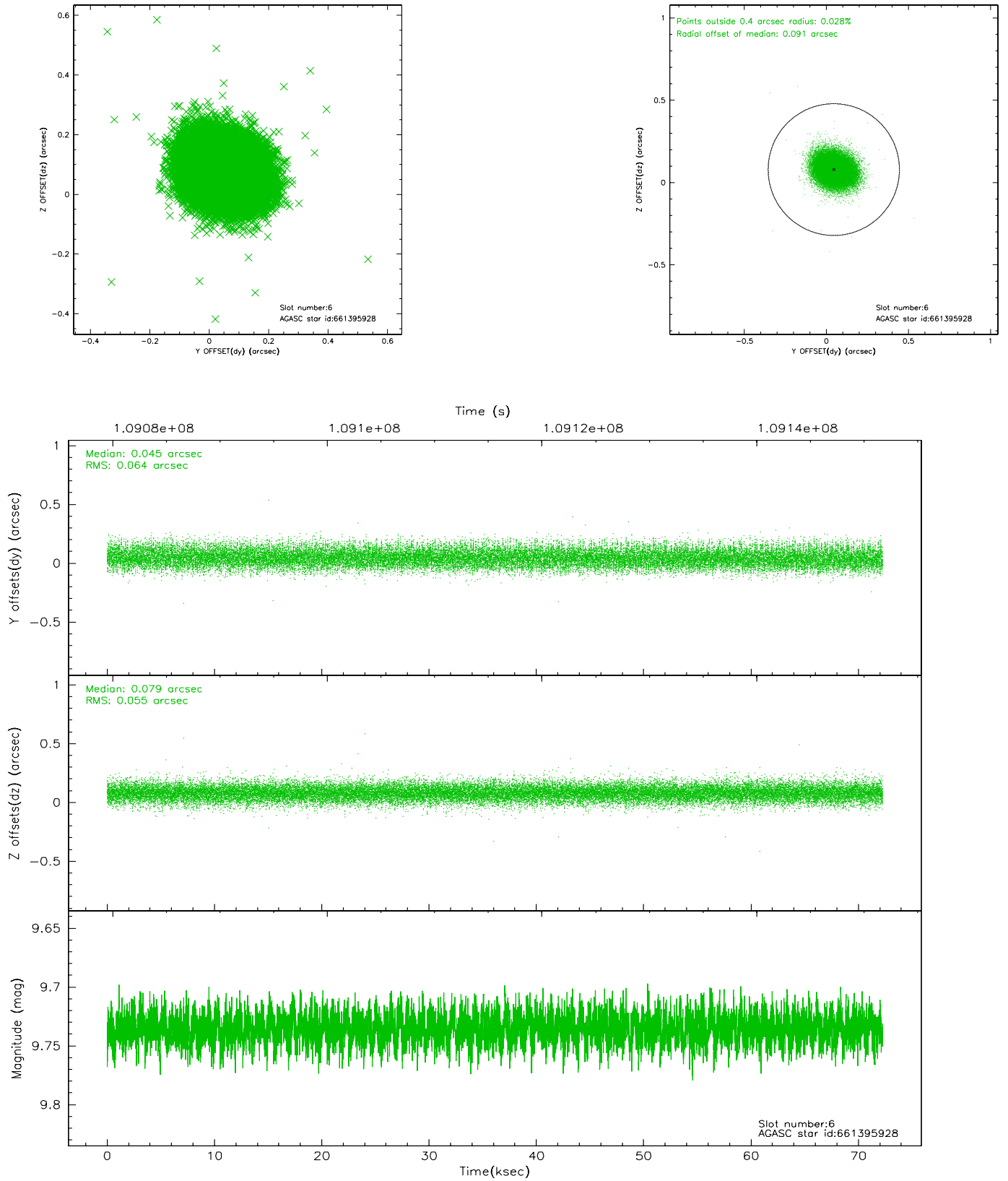
2.4.2 Slot 4



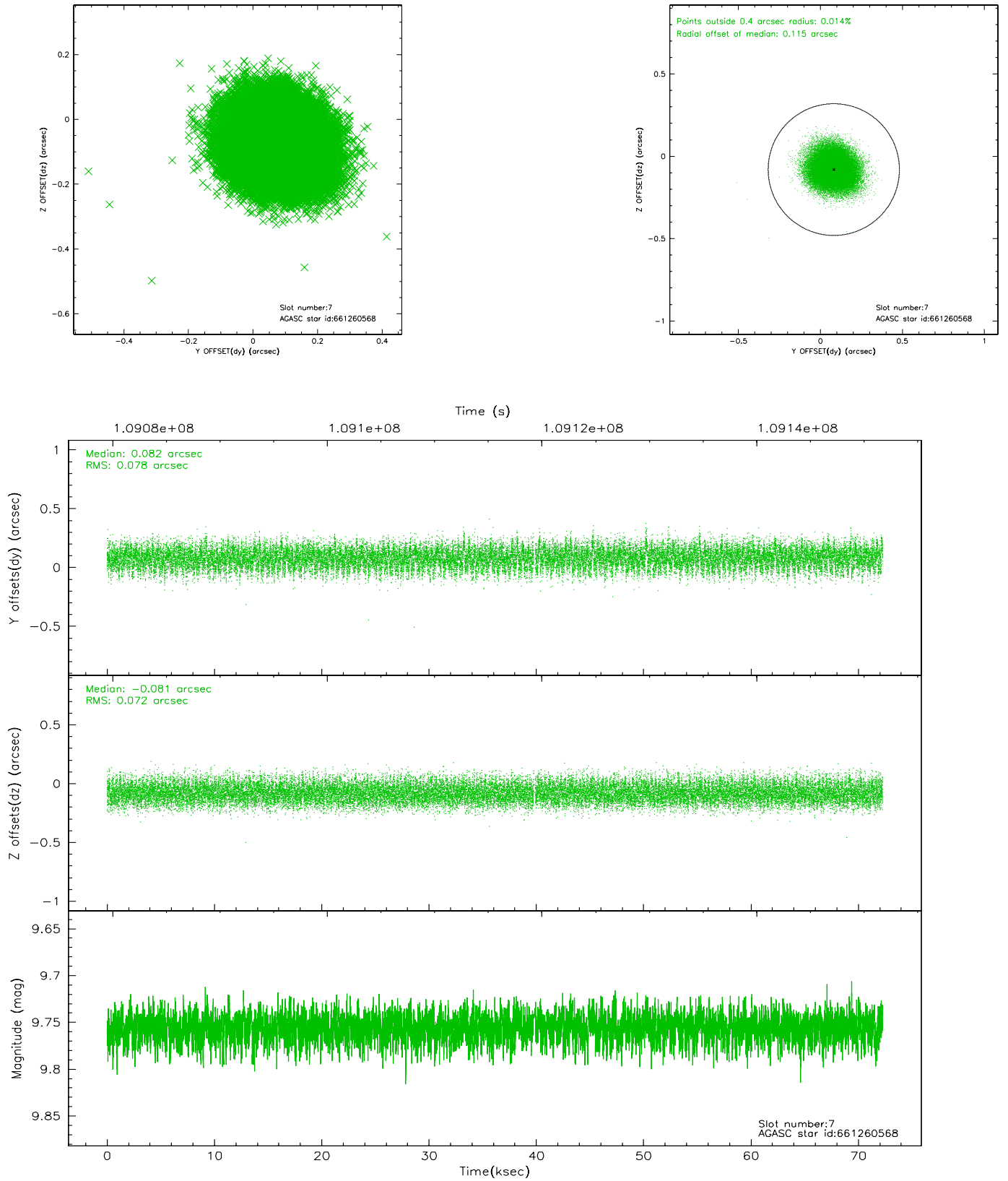
2.4.3 Slot 5



2.4.4 Slot 6

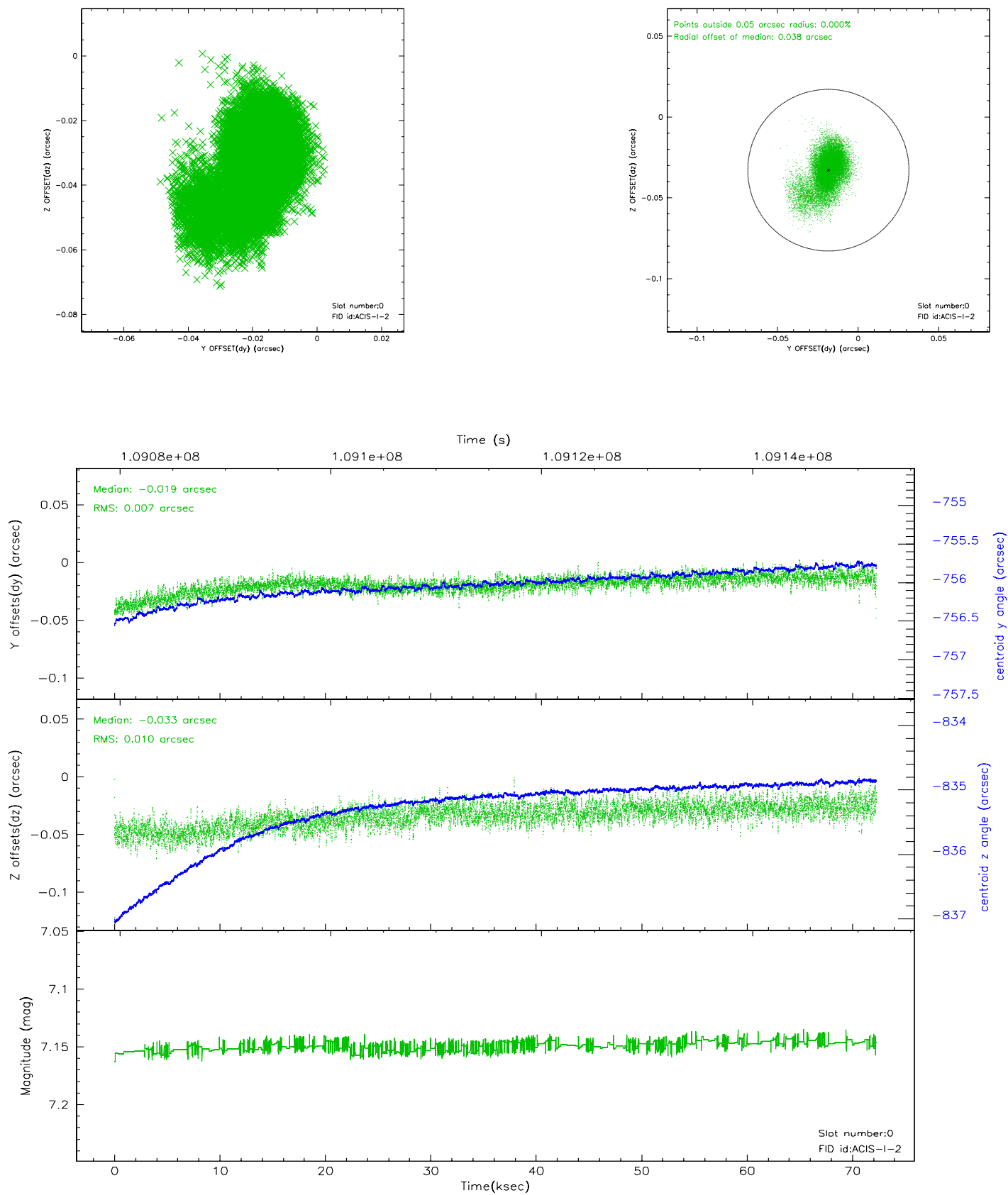


2.4.5 Slot 7

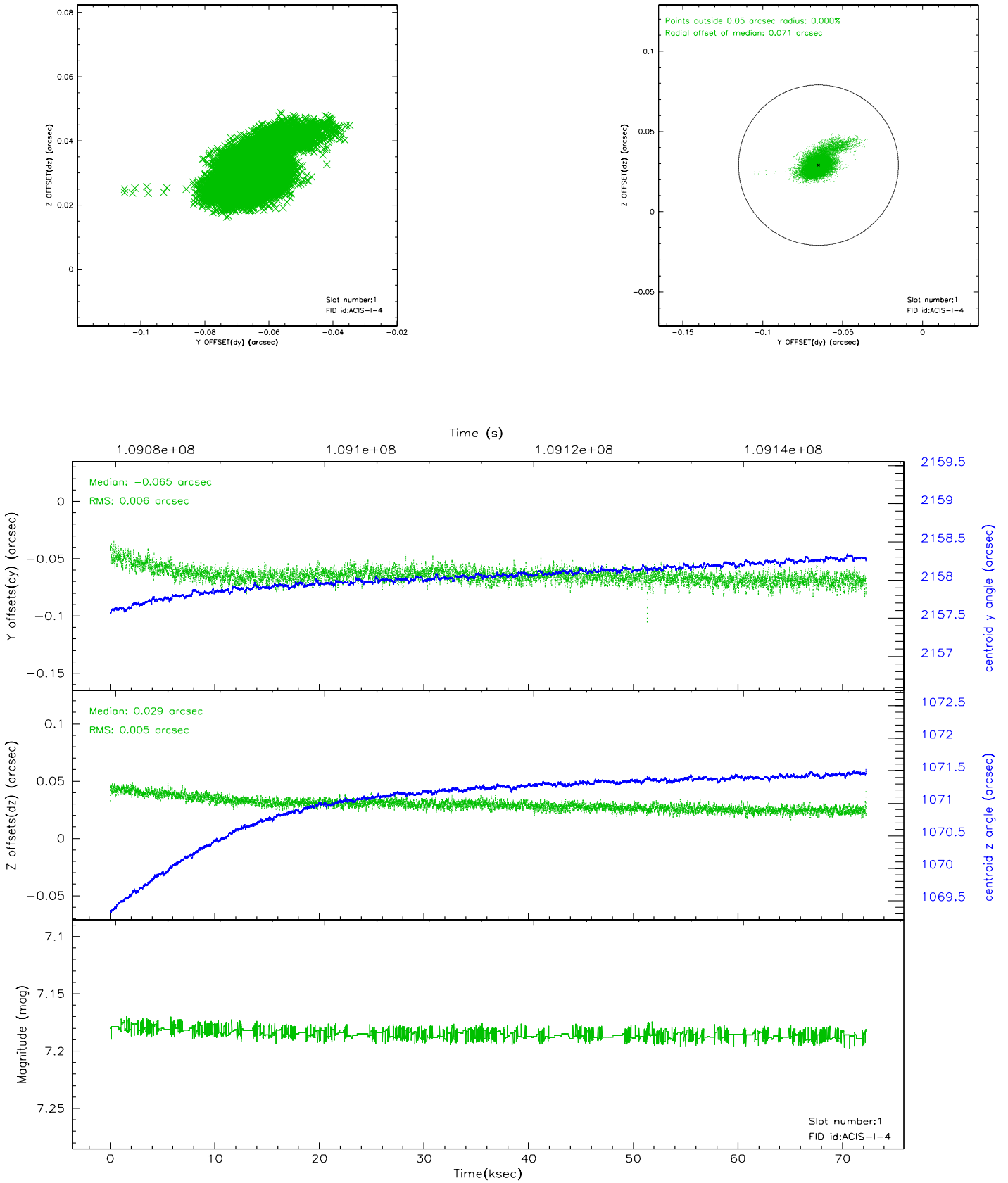


2.5 FID Slots

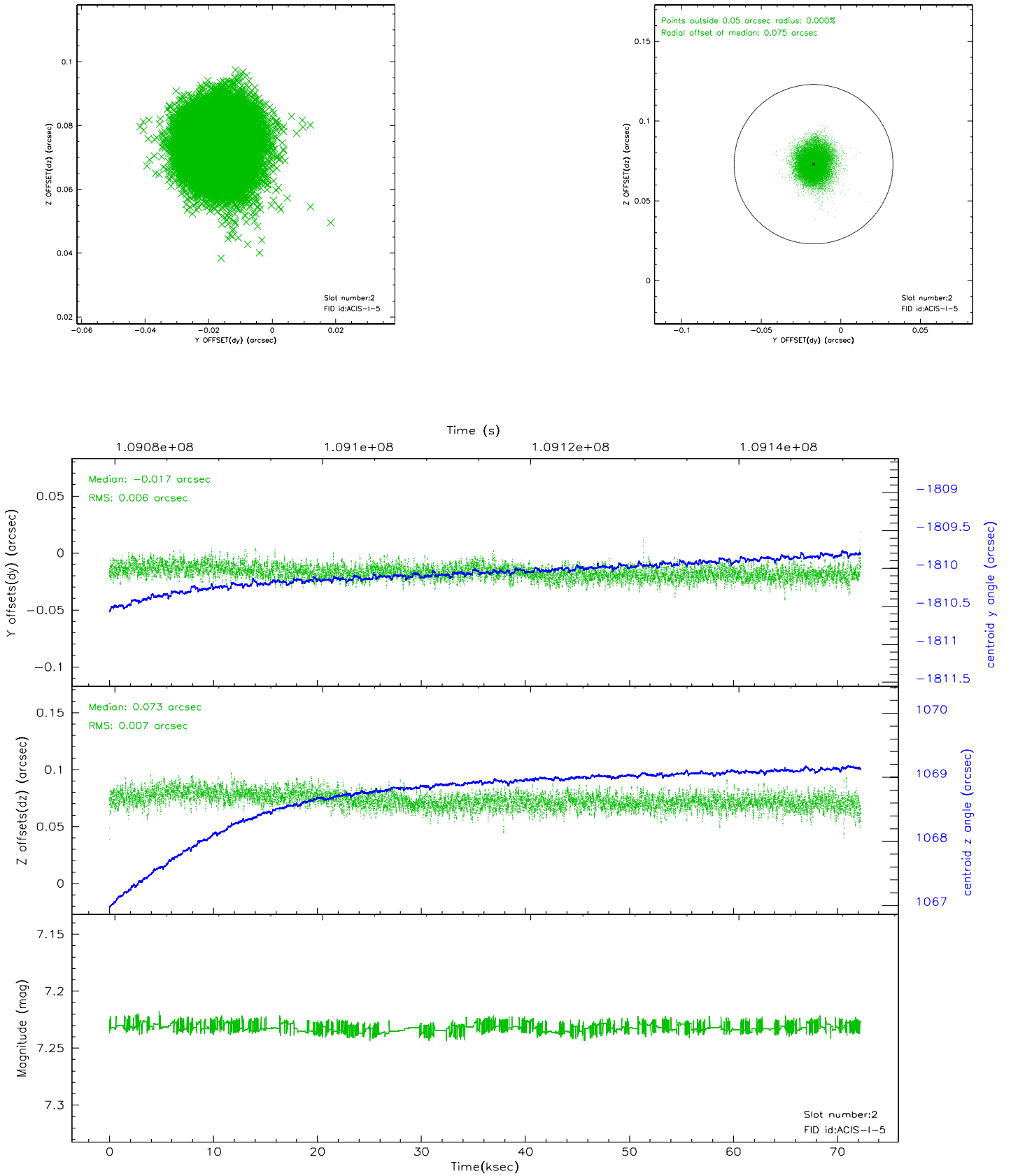
2.5.1 Slot 0



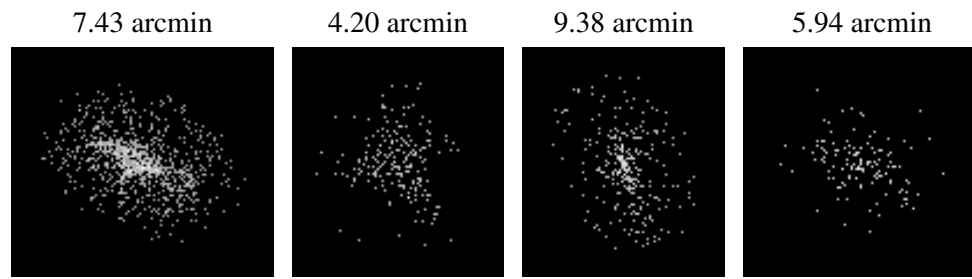
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	72.093

A.2 Comments