

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3211 - L2 Version 001
Chandra X-Ray Center

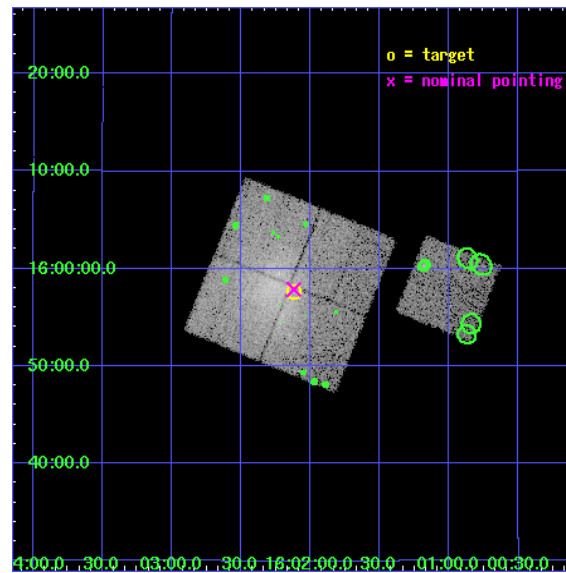
L2 Processing Date : Sep 9 2006

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1 Front

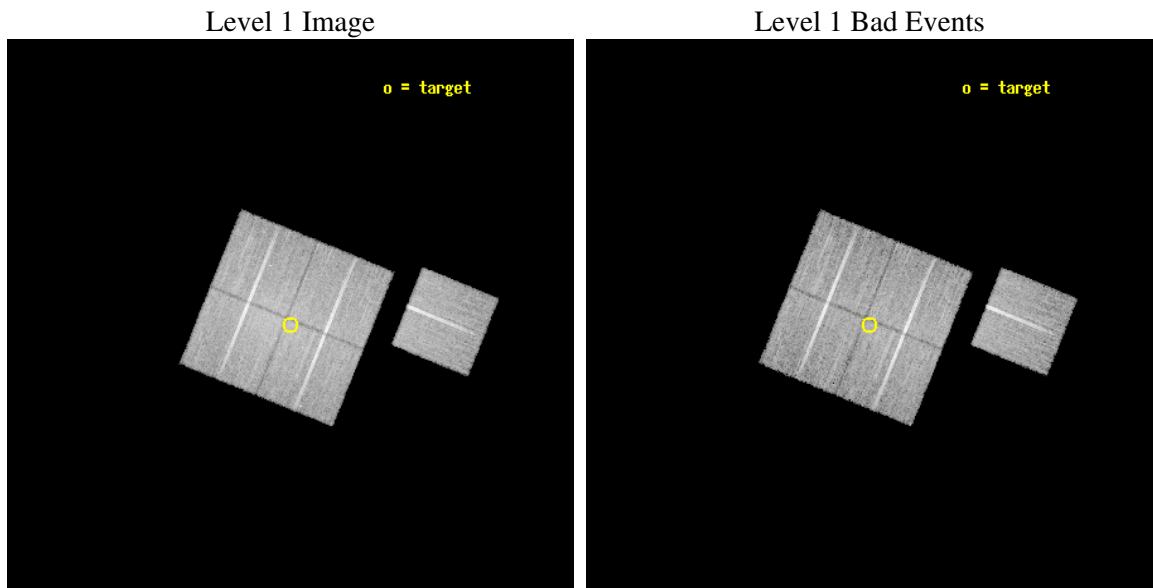
seq_num	800211
obs_id	3211
title	COMPLEX CLUSTERS: MERGERS AND NARROW ANGLE TAILED RADIO SOURCES
observer	Dr. William Forman
object	ABELL 2147
dtcycle	0
cycle	P
ra_targ	240.53
dec_targ	15.96
ra_nom	240.53006347747
dec_nom	15.964652608342
roll_nom	112.08647074939
revision	2
ontime	18116.358994961
livetime	17879.655427622
ontime0	18106.936064392
ontime1	18113.218054652
ontime2	18116.358994931
ontime3	18116.358994961
ontime6	18113.218014747
l2events	92963



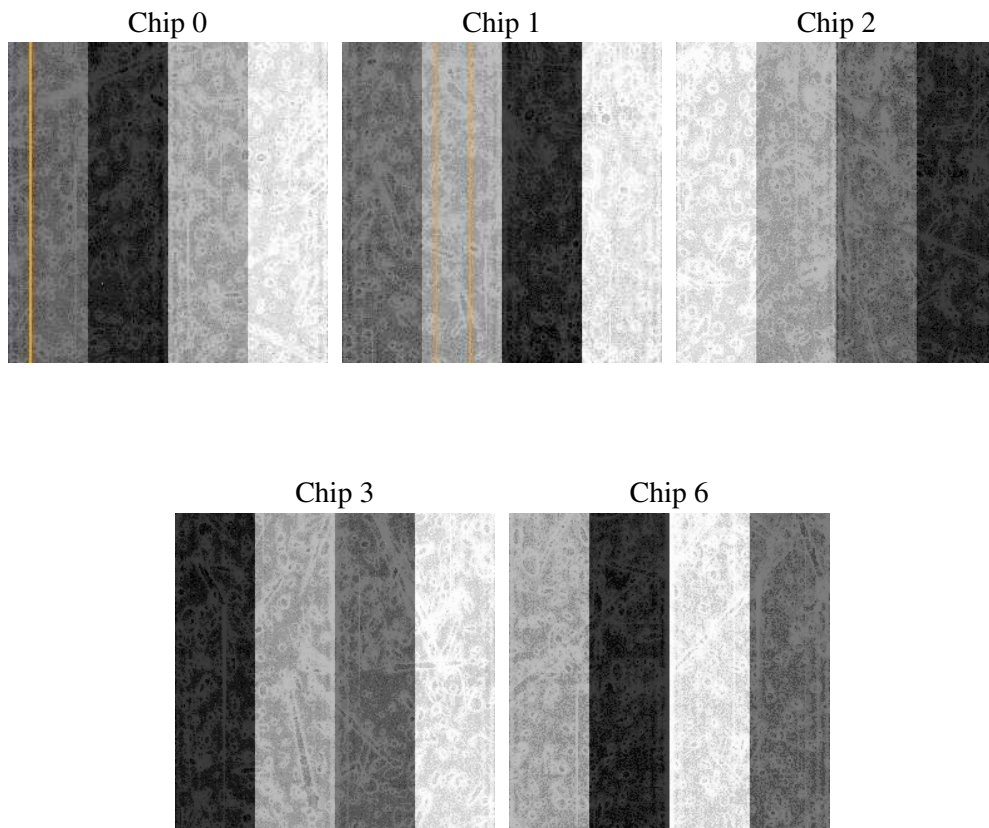
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-09T14:15:22
revision	2

sched_exp_time	18000.000000
ontime	18120.455585867
ontime0	18111.032675177
ontime1	18117.314665437
ontime2	18120.455605716
ontime3	18120.455585867
ontime6	18117.314625531
l1events	542822

2.1.4 Events

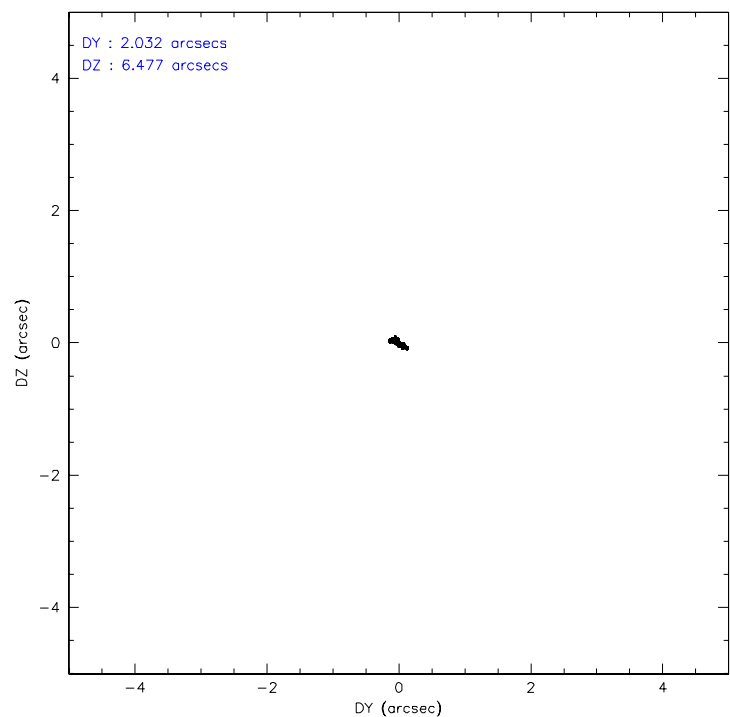
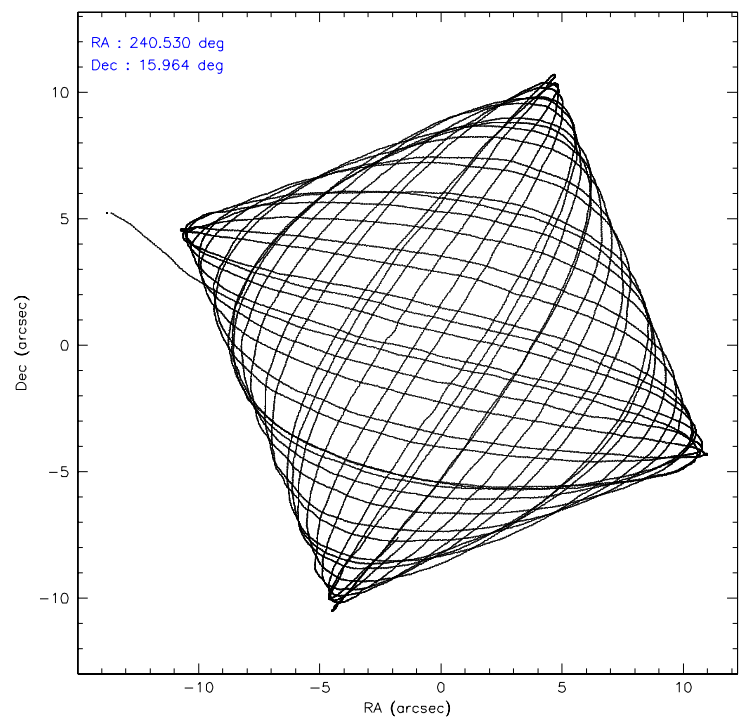
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	108295	114767	111425	107691	100644
rejected events	82705	83498	93583	88542	89694
rejected %	76%	72%	83%	82%	89%

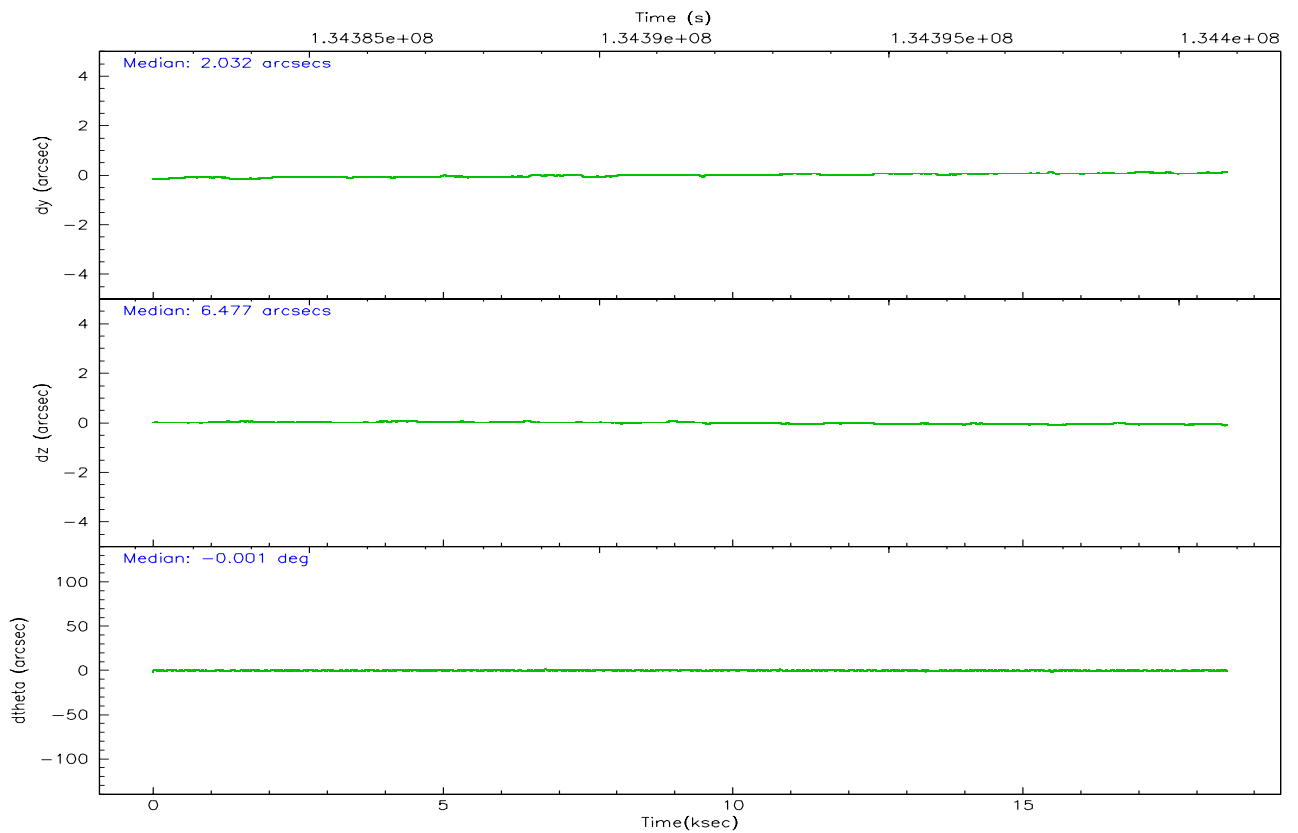
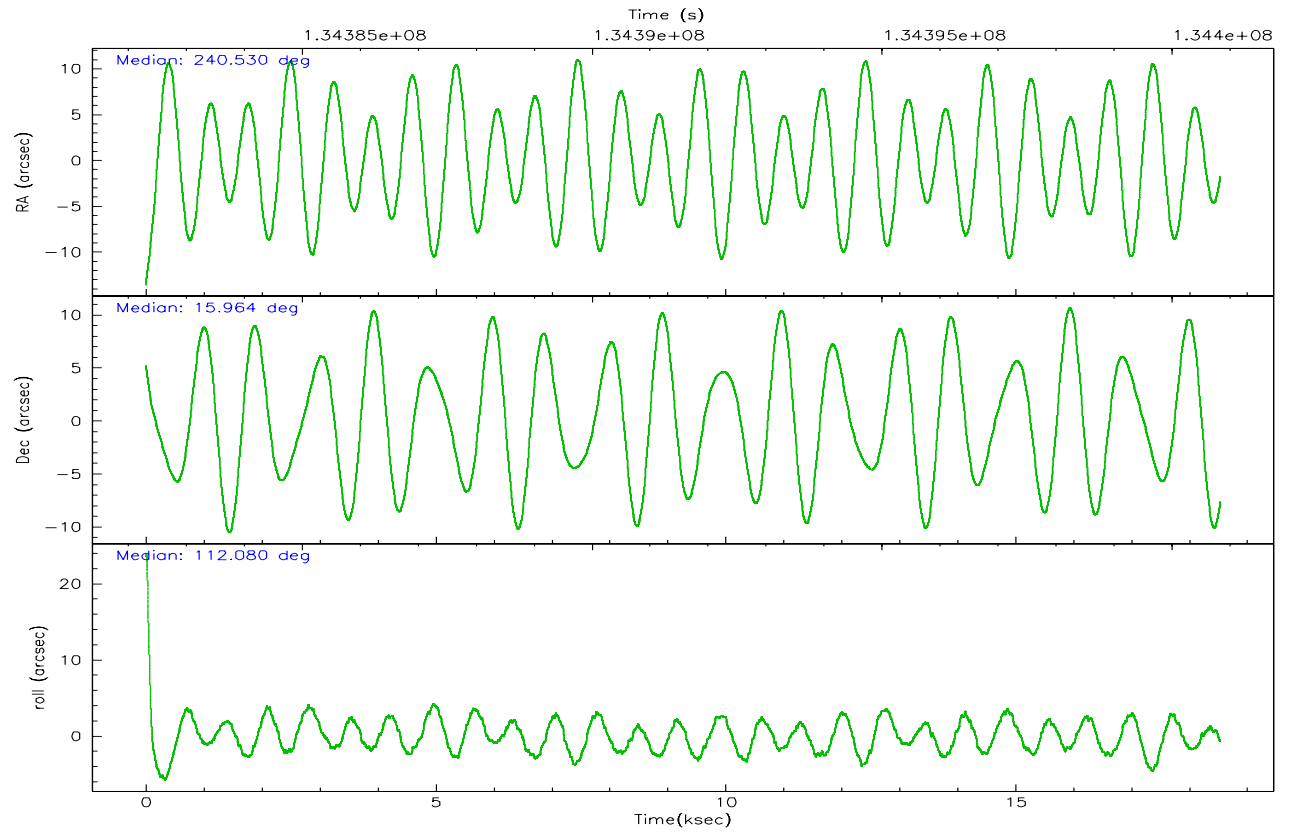
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16459	20894	10495	11599	4438
	15%	18%	9%	10%	4%
grade 1 events	86	110	80	66	37
	0%	0%	0%	0%	0%
grade 2 events	3671	4137	2939	2852	2152
	3%	3%	2%	2%	2%
grade 3 events	1725	1896	1174	1342	1181
	1%	1%	1%	1%	1%
grade 4 events	1510	1854	1300	1273	1146
	1%	1%	1%	1%	1%
grade 5 events	3075	3529	2960	3554	3628
	2%	3%	2%	3%	3%
grade 6 events	2229	2494	1939	2085	2036
	2%	2%	1%	1%	2%
grade 7 events	79540	79853	90538	84920	86026
	73%	69%	81%	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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	240.552613	240.5300634774653	Alternating exposures requested	N	N
Pointing Dec	15.947895	15.96465260834173	Primary exposure time	0.000000	3.1
Pointing Roll	111.871577	112.086470749385			
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	134382833.184000	134381702.72848			
Observation start date	2002-04-05T08:32:49	2002-04-05T08:15:02			
Observation end time	134400833.184000	134401294.06677			
Observation end date	2002-04-05T13:32:49	2002-04-05T13:41:34			
Read mode	TIMED	TIMED			

2.3 Aspect



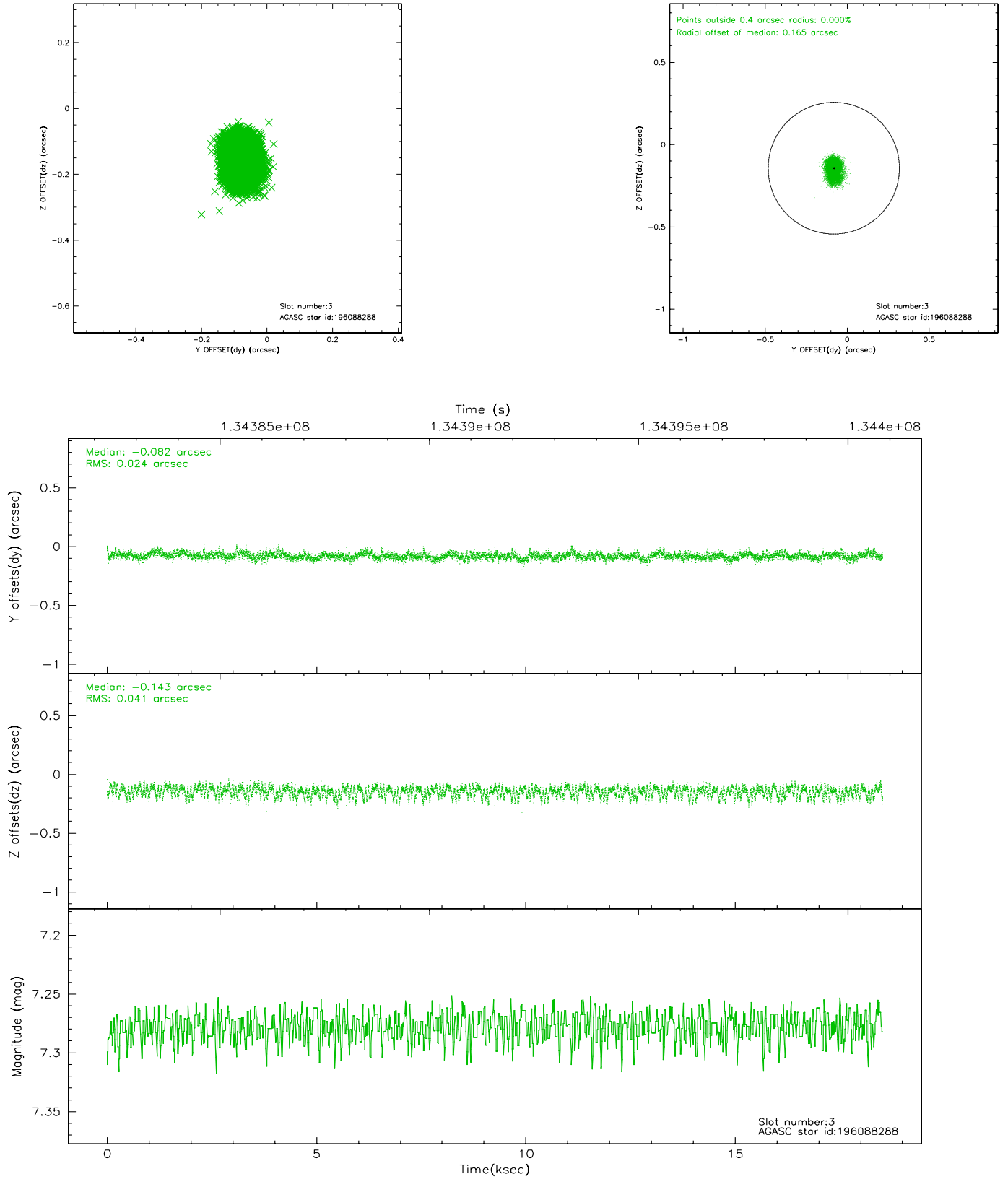


Slot Statistics

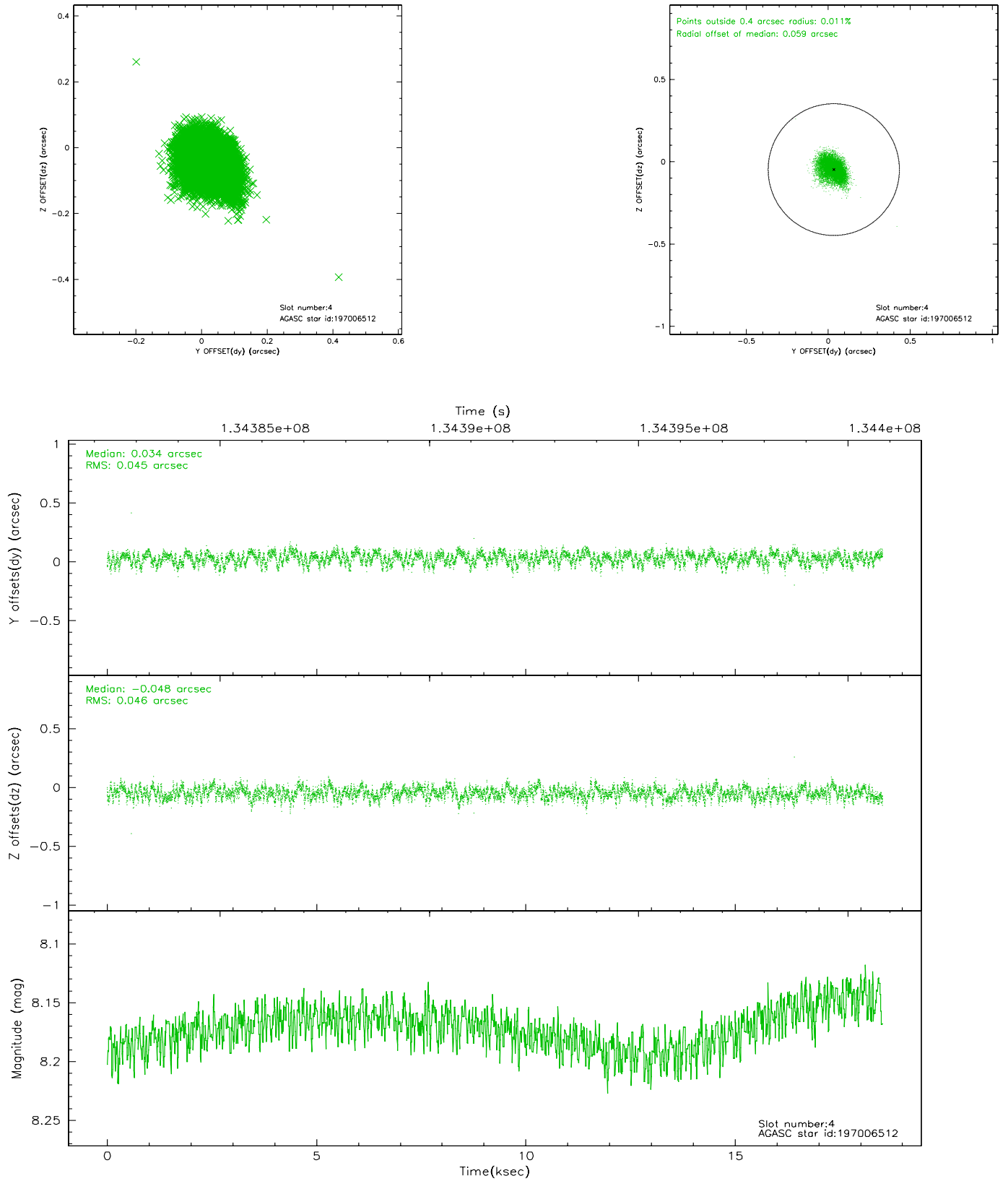
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4521	-0.032	0.045	0.008	0.018	0.000000	0.000000	937.75	-829.82
1	FID	ACIS-I-5	7.24	4521	-0.007	0.034	0.008	0.020	0.000000	0.000000	-1810.18	1067.60
2	FID	ACIS-I-6	7.26	4521	-0.051	-0.009	0.009	0.016	0.000000	0.000000	403.09	1712.26
3	GUIDE	196088288	7.28	9042	-0.082	-0.143	0.050	0.086	239.704520	16.211077	1976.92	2364.82
4	GUIDE	197006512	8.17	9040	0.034	-0.048	0.070	0.110	240.098246	15.667420	-348.44	1836.33
5	GUIDE	197005384	8.64	9041	0.064	0.291	0.088	0.133	241.225800	16.021701	-617.26	-2262.40
6	GUIDE	197009616	8.86	9036	0.105	-0.138	0.079	0.129	240.095572	15.546934	-747.49	2006.74
7	GUIDE	196093136	9.38	9035	-0.116	0.040	0.090	0.153	239.823776	16.374626	2367.65	1762.03

2.4 Star Slots

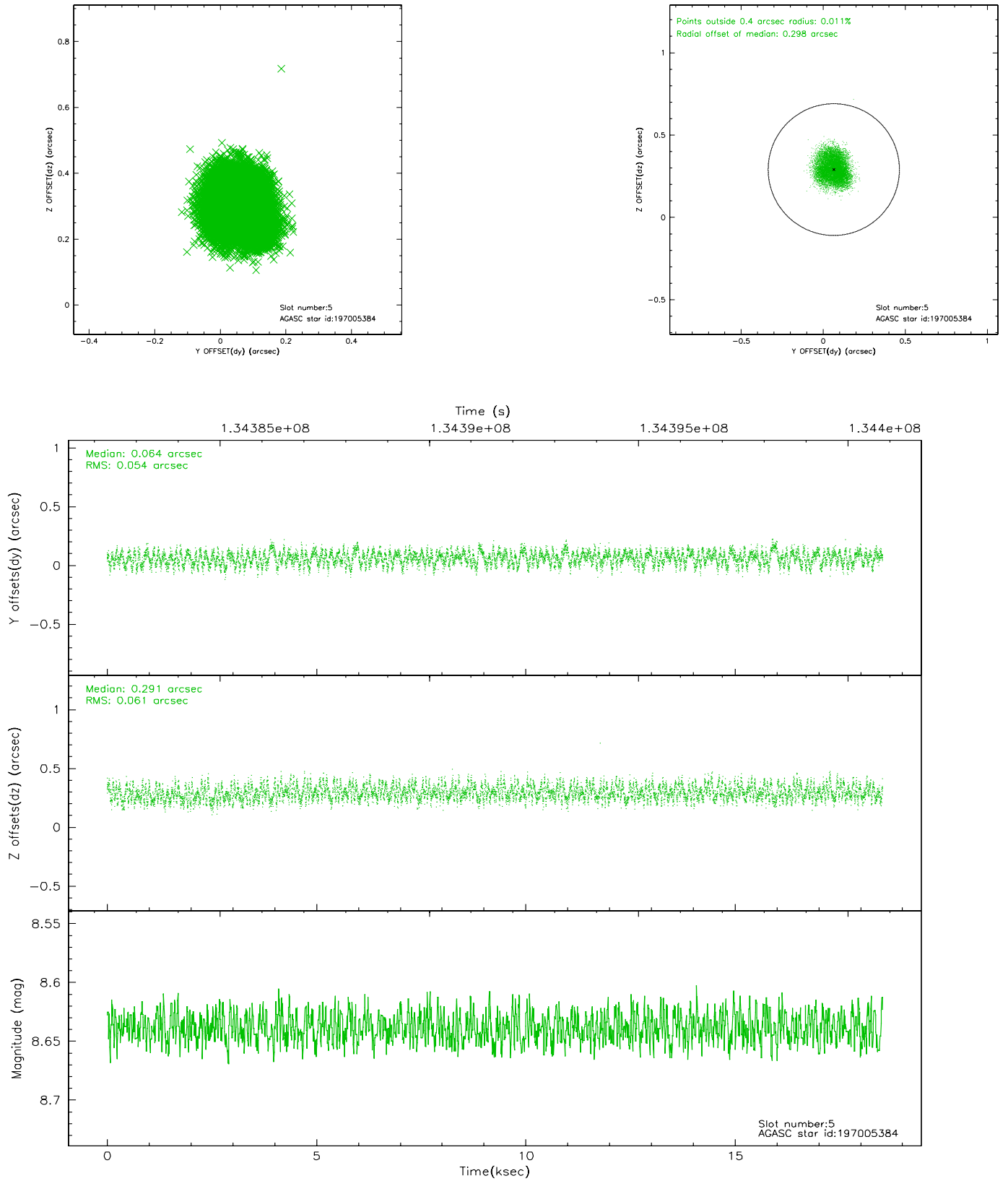
2.4.1 Slot 3



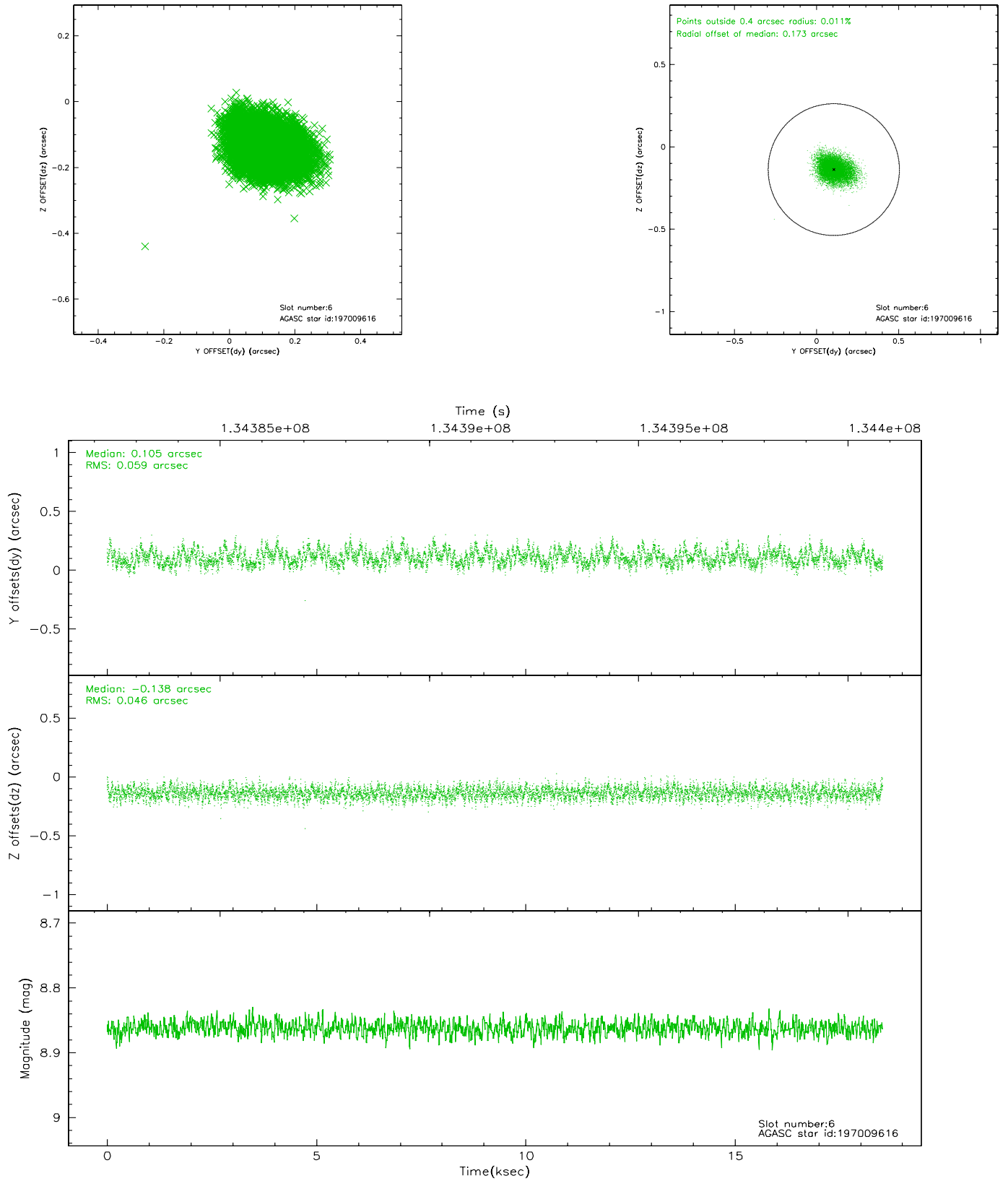
2.4.2 Slot 4



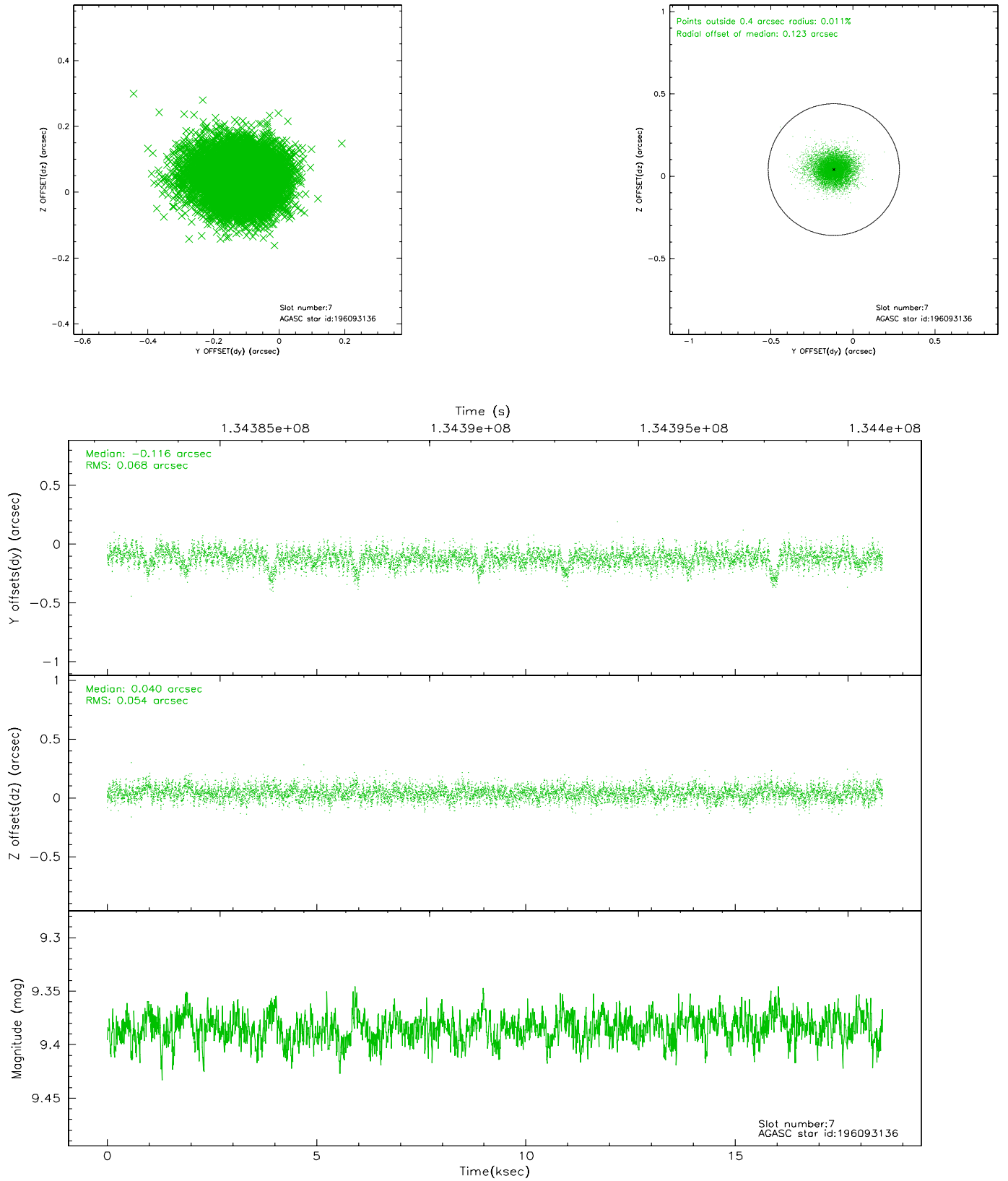
2.4.3 Slot 5



2.4.4 Slot 6

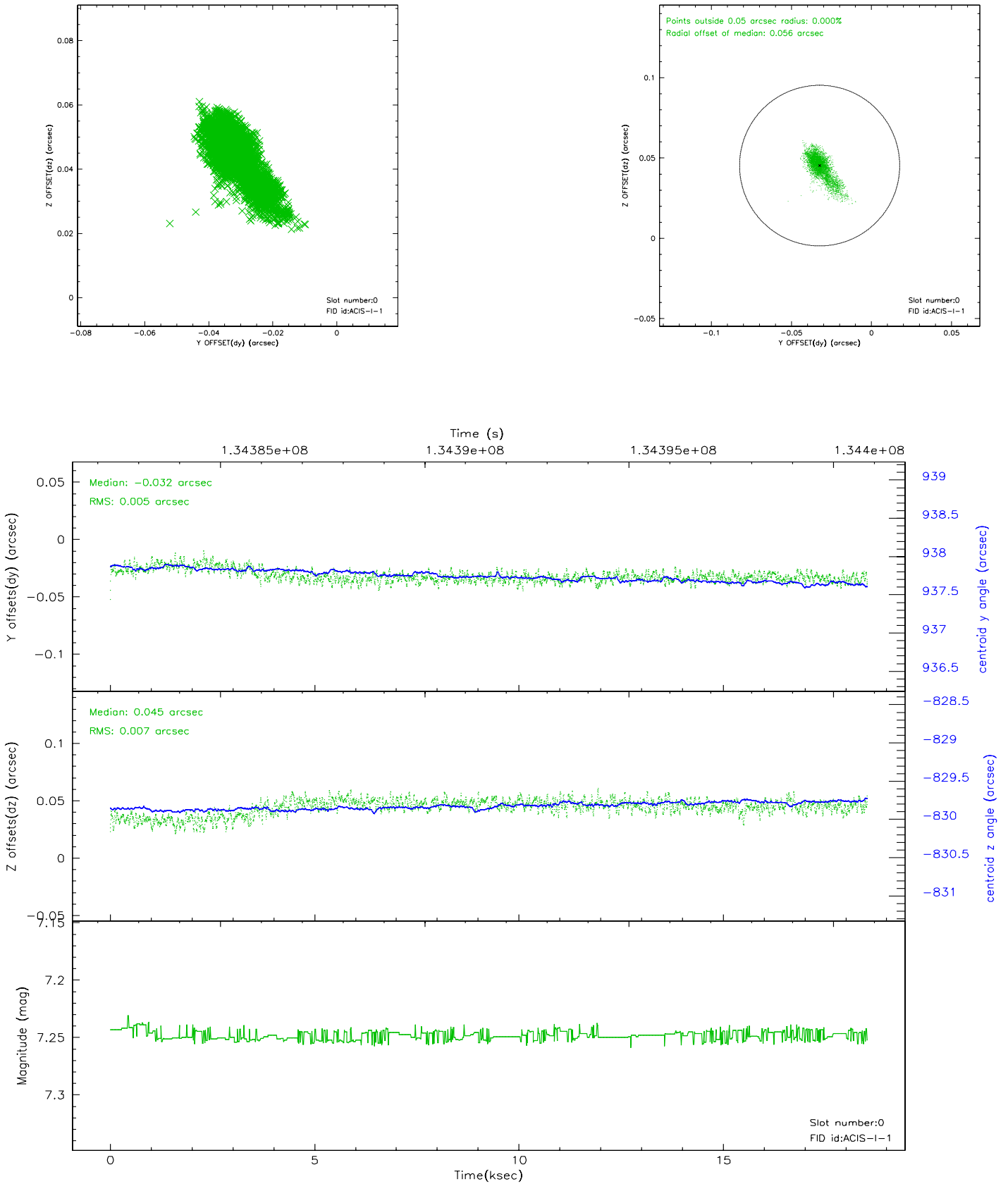


2.4.5 Slot 7

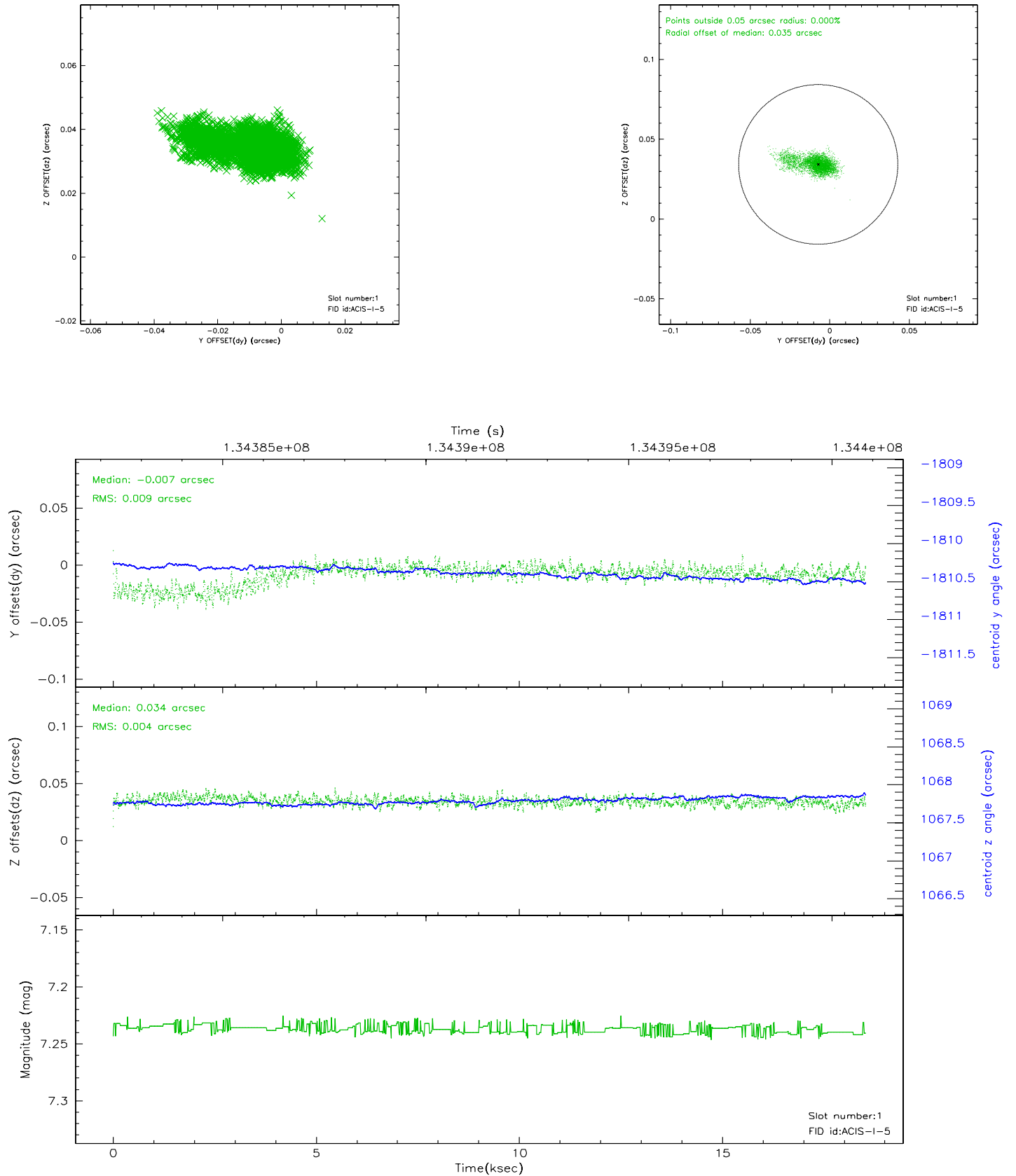


2.5 FID Slots

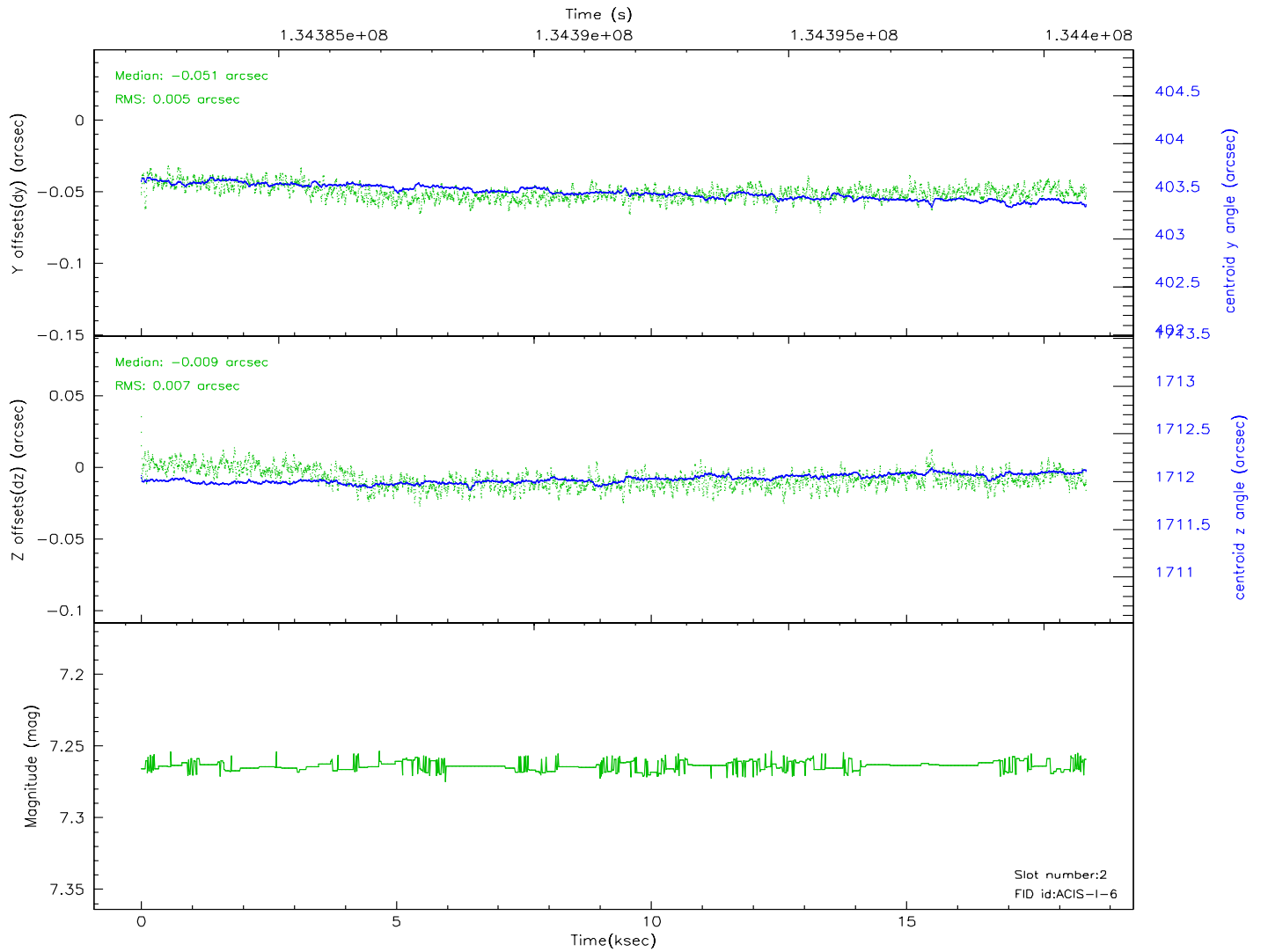
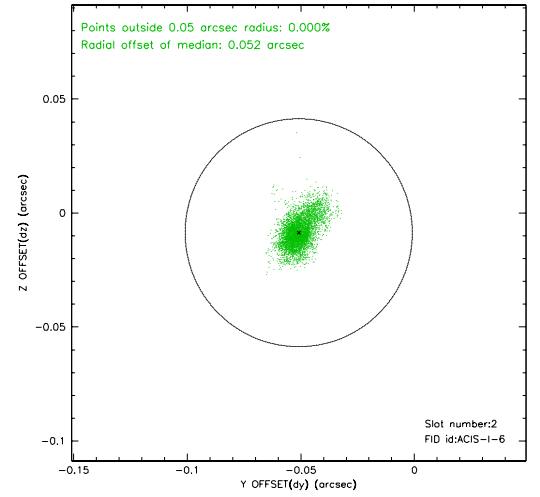
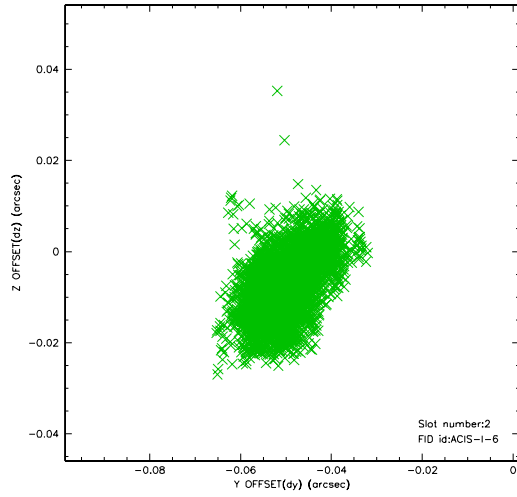
2.5.1 Slot 0



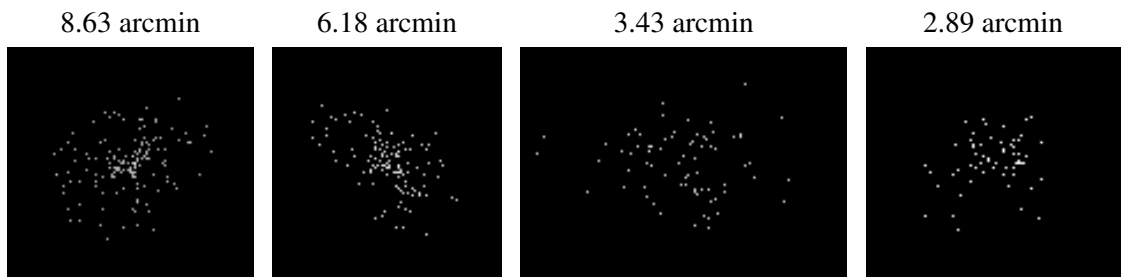
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.116

A.2 Comments