

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6172 - L2 Version 002
Chandra X-Ray Center

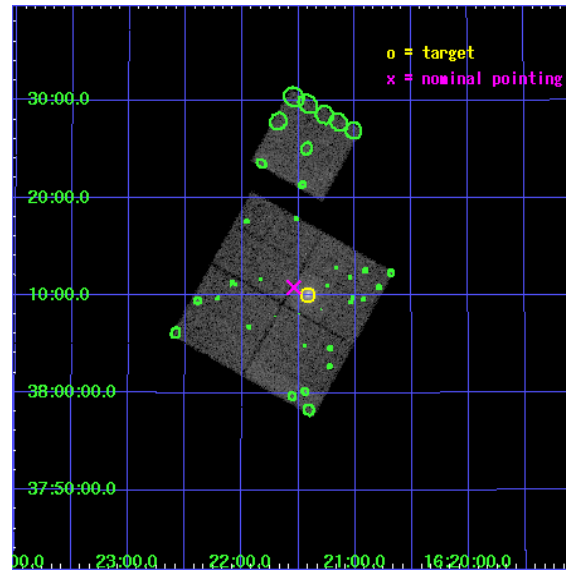
L2 Processing Date : Apr 7 2006

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1 Front

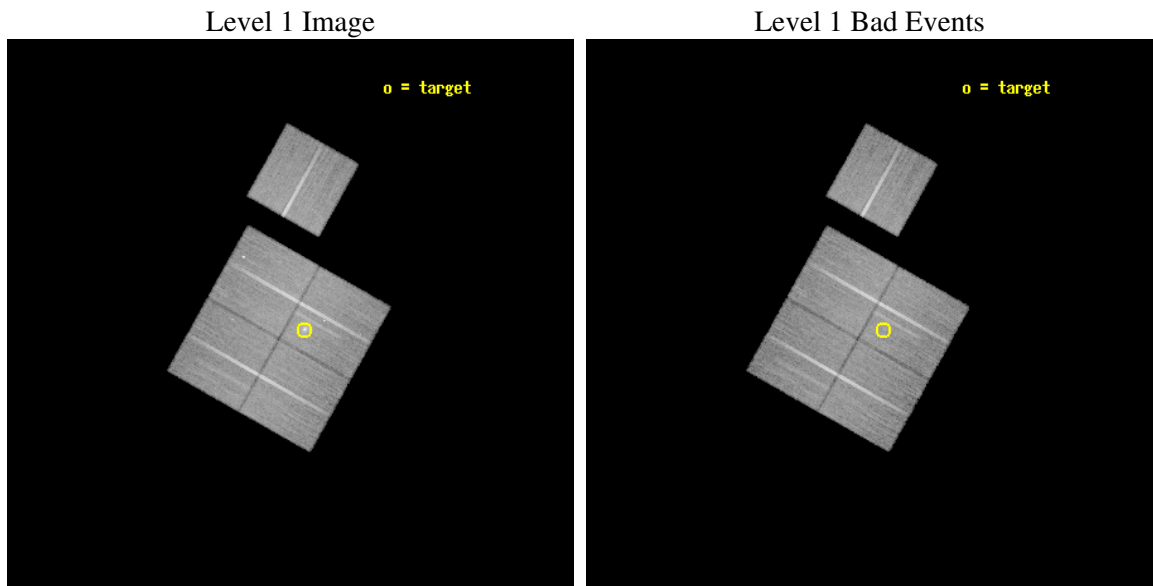
seq_num	800557
obs_id	6172
title	Probing dark energy using the X-ray gas mass fraction in dynamically relaxed galaxy clusters
observer	Dr Steven Allen
object	MACS1621.6+3810
dtcycle	0
cycle	P
ra_targ	245.353333
dec_targ	38.168889
ra_nom	245.38509116752
dec_nom	38.18077974063
roll_nom	29.4124551165
revision	2
ontime	30144.277041286
livetime	29750.419869848
ontime0	30153.699942023
ontime1	30144.277031273
ontime2	30141.136011183
ontime3	30144.277041286
ontime6	30144.277001411
l2events	88010



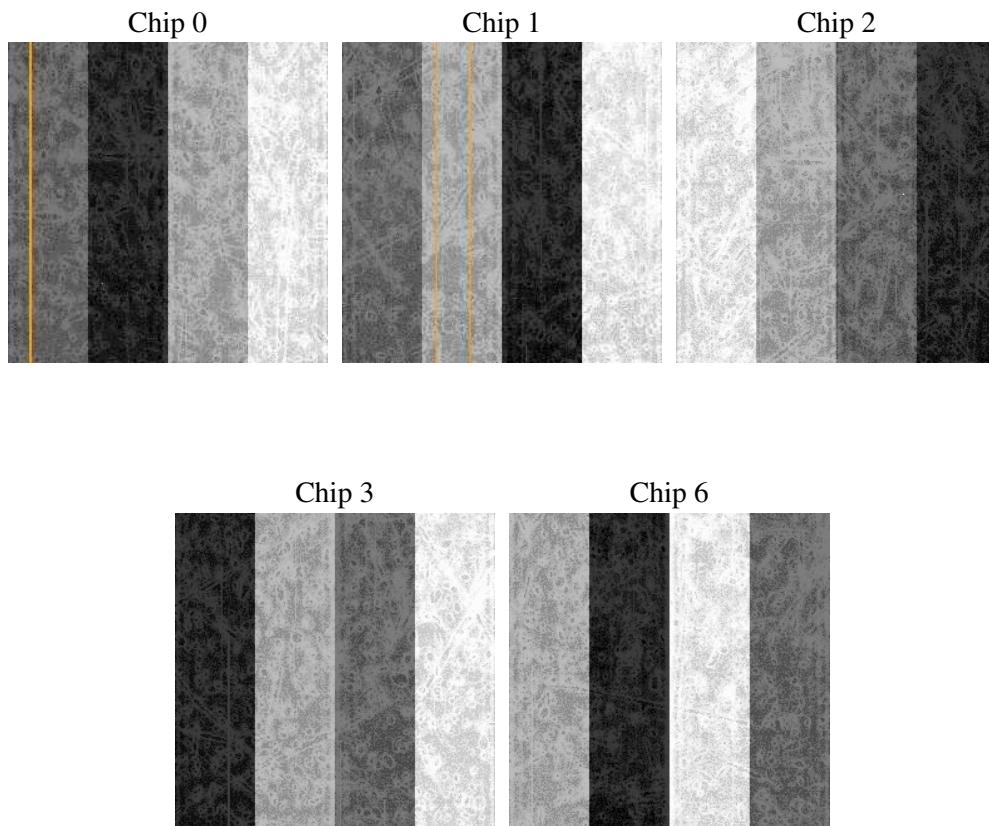
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-07T14:33:35
revision	2

sched_exp_time	30000.000000
ontime	30470.880462646
ontime0	30480.303363383
ontime1	30470.880452633
ontime2	30467.739432544
ontime3	30470.880462646
ontime6	30470.880422771
l1events	984104

2.1.4 Events

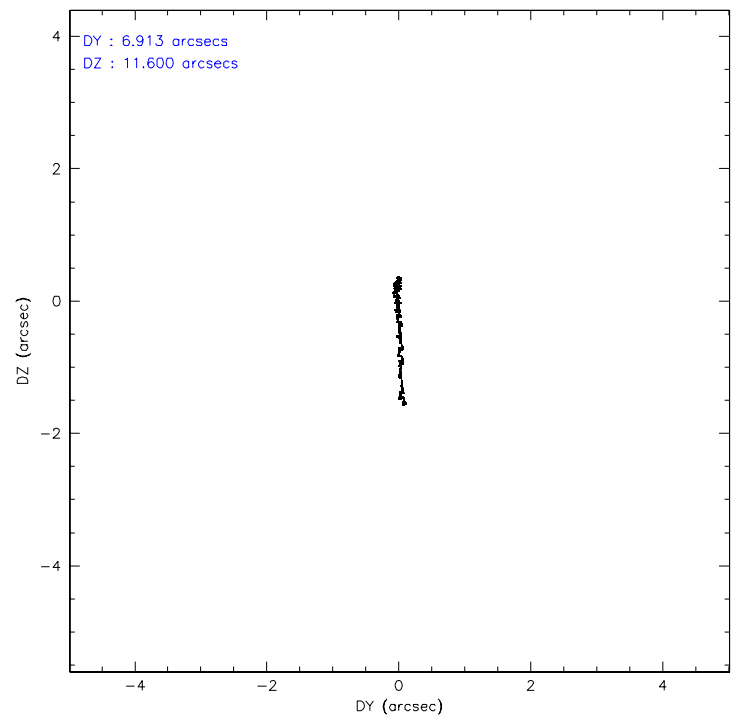
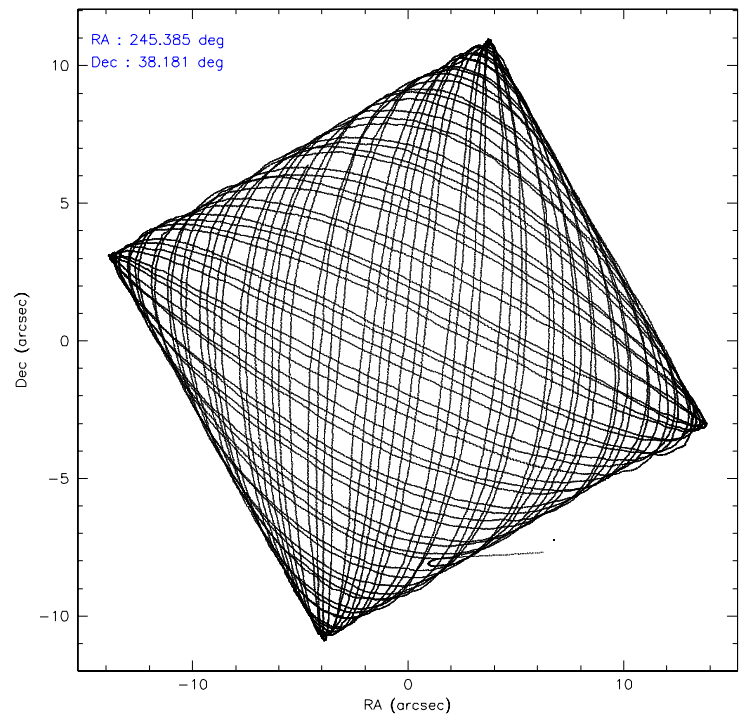
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	182130	189388	211222	205144	196220
rejected events	162579	167725	191394	180822	176802
rejected %	89%	88%	90%	88%	90%

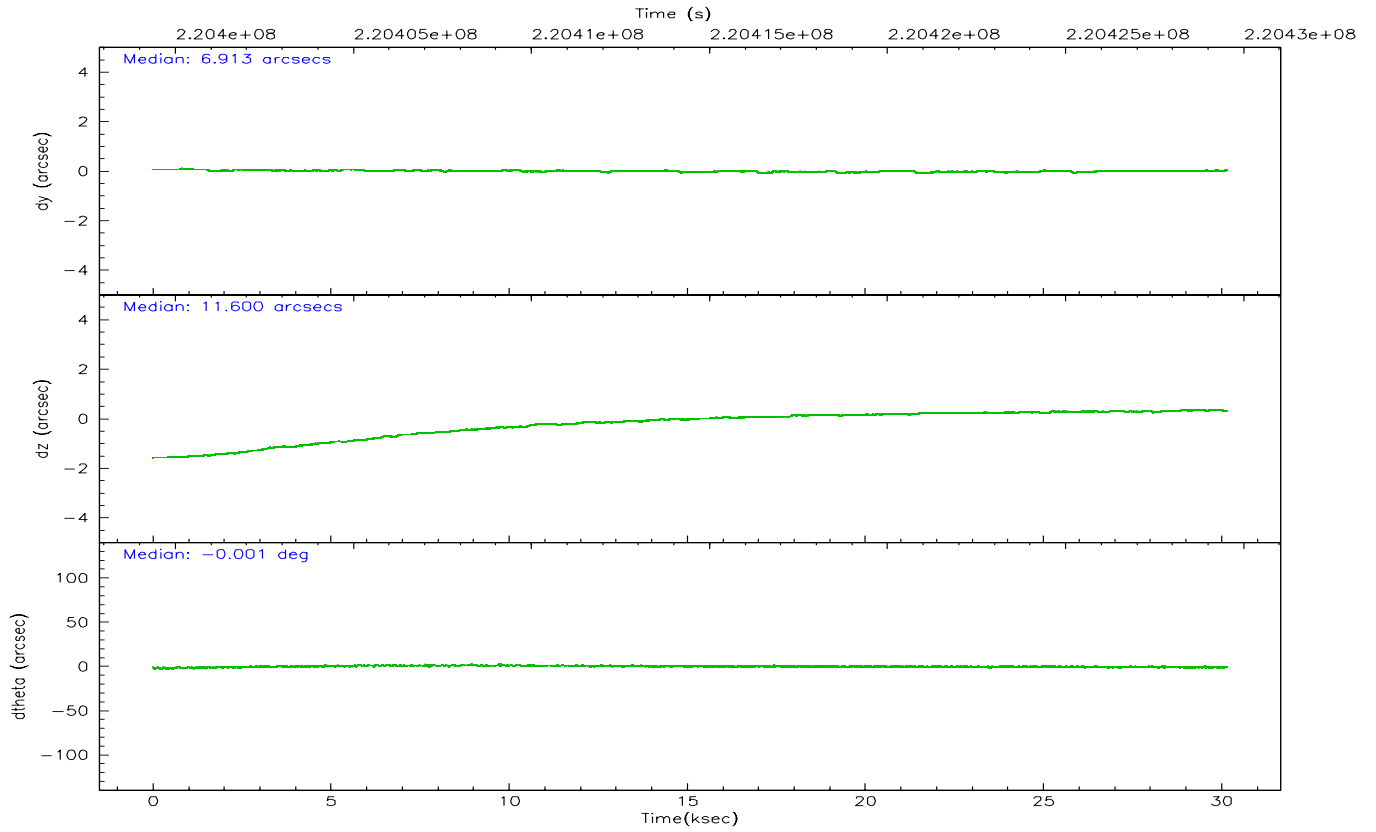
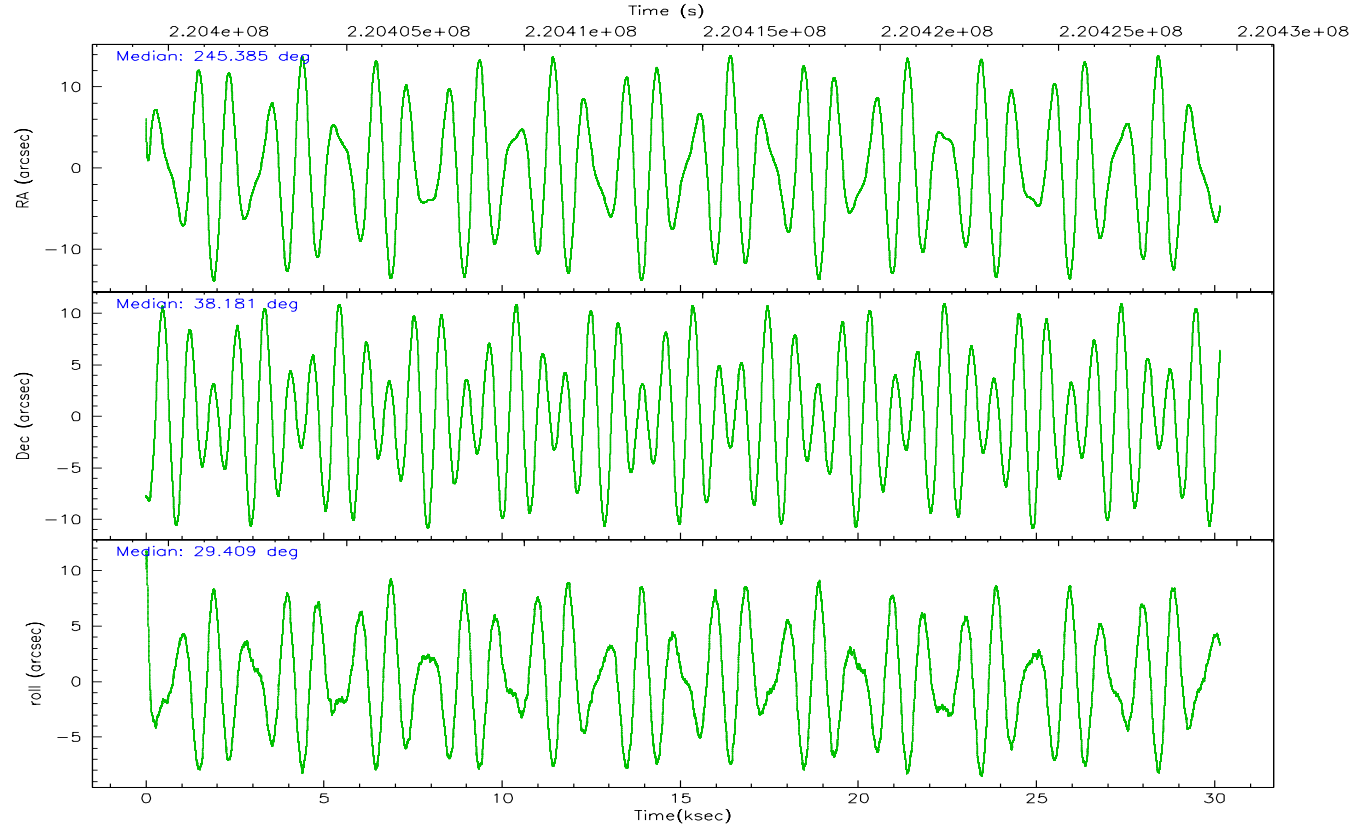
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6916	7909	7582	11592	6675
	3%	4%	3%	5%	3%
grade 1 events	89	87	106	140	89
	0%	0%	0%	0%	0%
grade 2 events	4634	4713	4613	4435	4259
	2%	2%	2%	2%	2%
grade 3 events	2342	2520	2211	2457	2191
	1%	1%	1%	1%	1%
grade 4 events	2124	2430	2138	2299	2325
	1%	1%	1%	1%	1%
grade 5 events	7038	7269	6559	7873	7667
	3%	3%	3%	3%	3%
grade 6 events	3760	4350	3479	3767	4161
	2%	2%	1%	1%	2%
grade 7 events	155227	160110	184534	172581	168853
	85%	84%	87%	84%	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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	245.367504	245.3850911675175	Alternating exposures requested	N	N
Pointing Dec	38.157168	38.18077974062956	Primary exposure time	0.000000	3.1
Pointing Roll	29.214630	29.41245511650046			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-229.442463	-229.4438428438578			
SIM translation stage offset (mm)	-4.15	-4.148610159071865			
Observation start time	220399532.184000	220398390.82578			
Observation start date	2004-12-25T22:04:28	2004-12-25T21:46:30			
Observation end time	220429532.184000	220430576.85223			
Observation end date	2004-12-26T06:24:28	2004-12-26T06:42:56			
Read mode	TIMED	TIMED			

2.3 Aspect



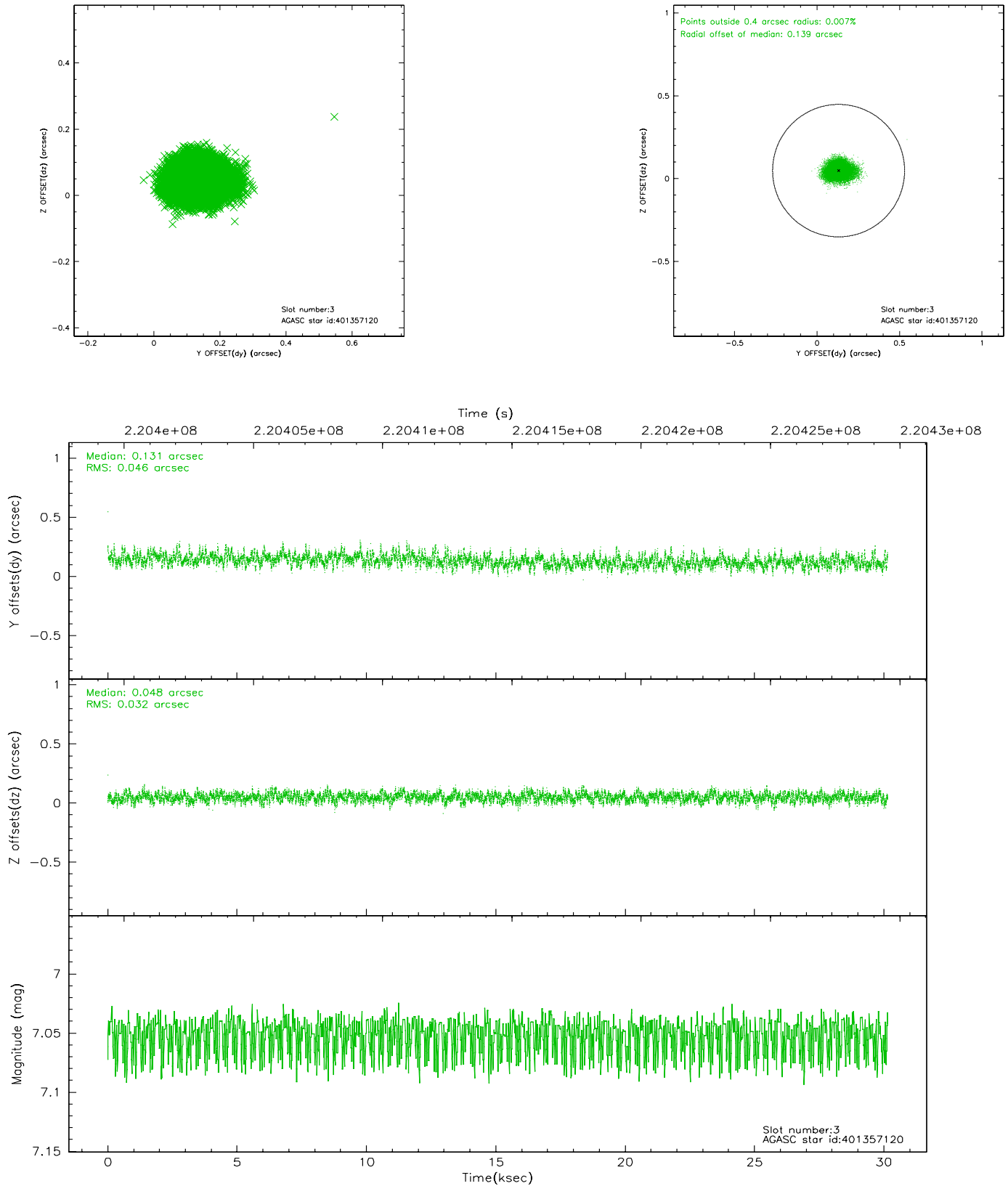


Slot Statistics

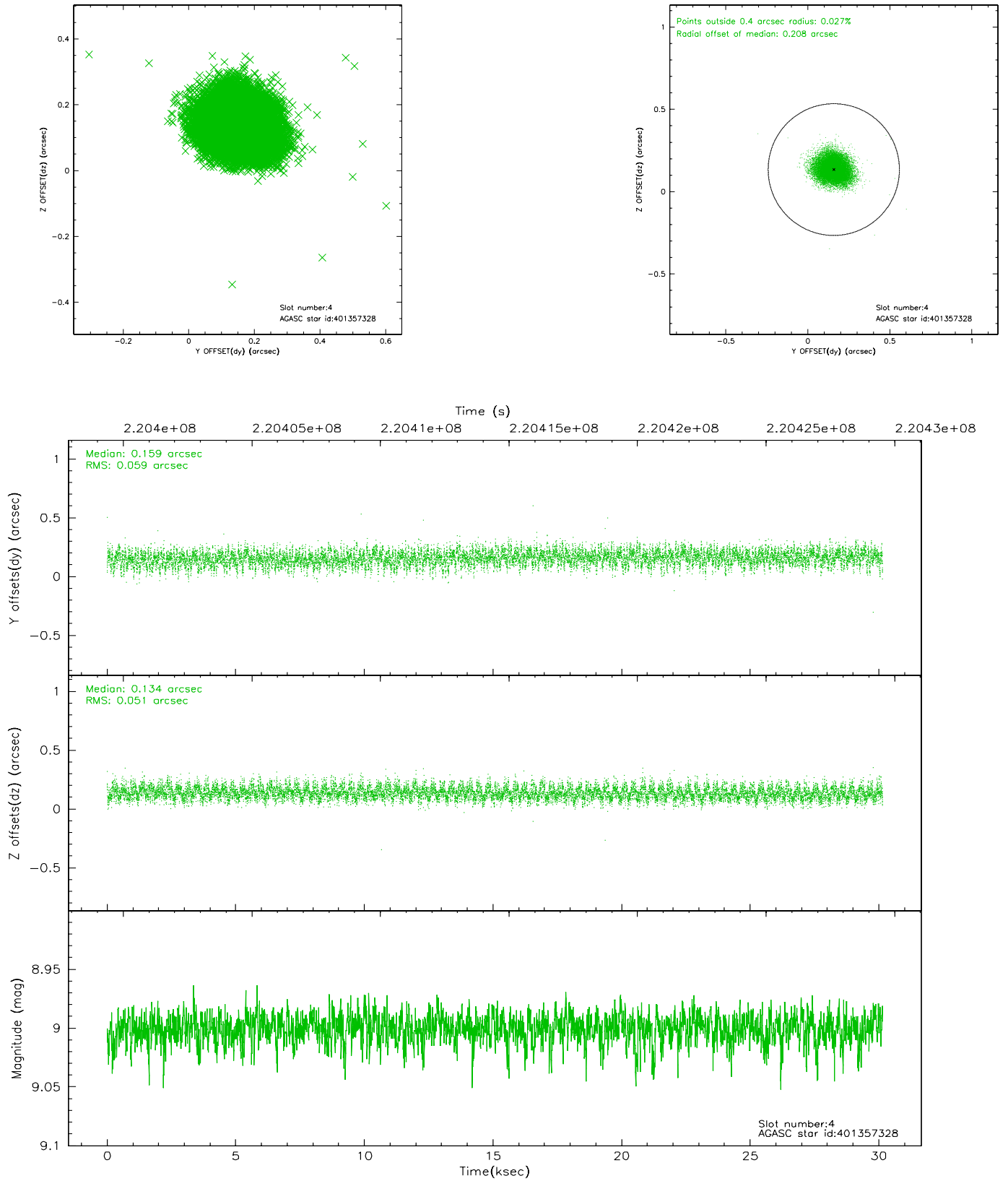
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7355	0.057	0.003	0.010	0.017	0.000000	0.000000	932.73	-920.00
1	FID	ACIS-I-5	7.23	7356	-0.174	0.079	0.010	0.019	0.000000	0.000000	-1815.53	977.58
2	FID	ACIS-I-6	7.25	7356	0.026	-0.012	0.012	0.023	0.000000	0.000000	398.22	1622.03
3	GUIDE	401357120	7.05	14710	0.131	0.048	0.059	0.097	244.752378	37.765715	-2212.63	-370.57
4	GUIDE	401357328	9.00	14701	0.159	0.134	0.083	0.132	246.205033	38.152914	2067.49	-1160.86
5	GUIDE	401357888	8.51	14710	0.137	-0.160	0.075	0.123	244.567474	38.275306	-1760.58	1483.13
6	GUIDE	401347064	7.72	14708	-0.174	-0.002	0.046	0.075	245.989801	38.641750	2381.47	674.21
7	GUIDE	401352720	8.06	14709	-0.252	-0.023	0.071	0.115	246.356113	37.910237	2024.55	-2133.08

2.4 Star Slots

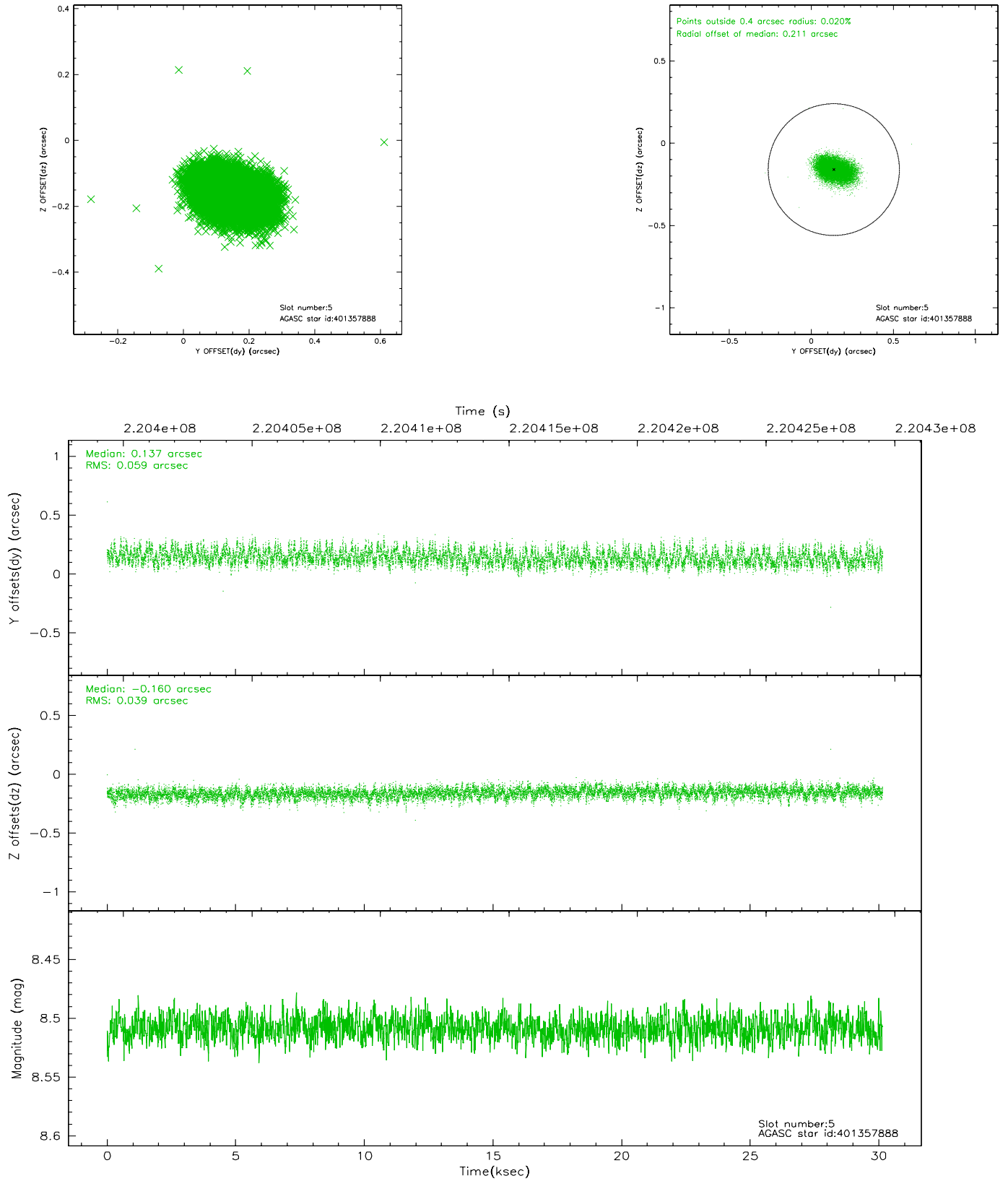
2.4.1 Slot 3



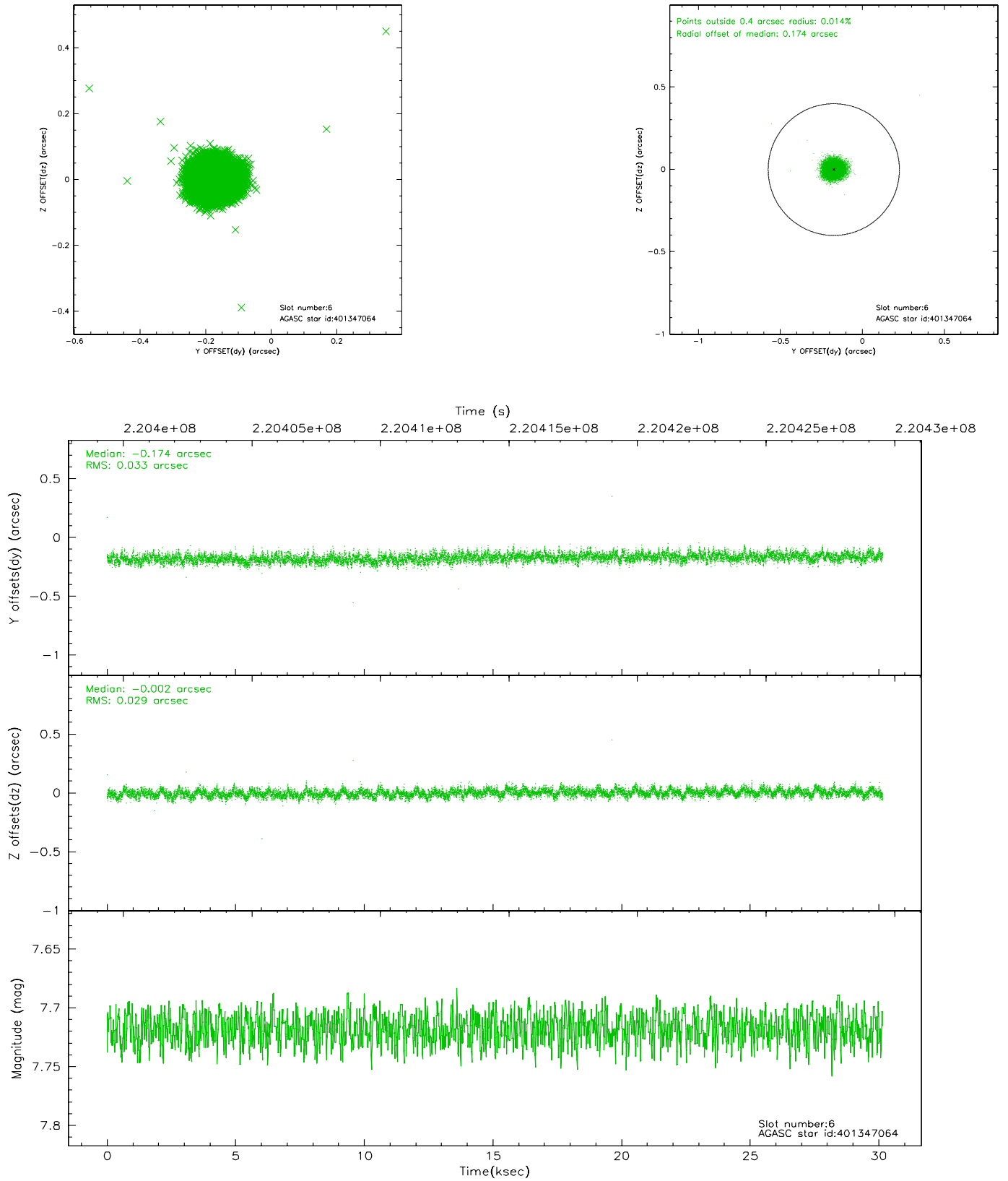
2.4.2 Slot 4



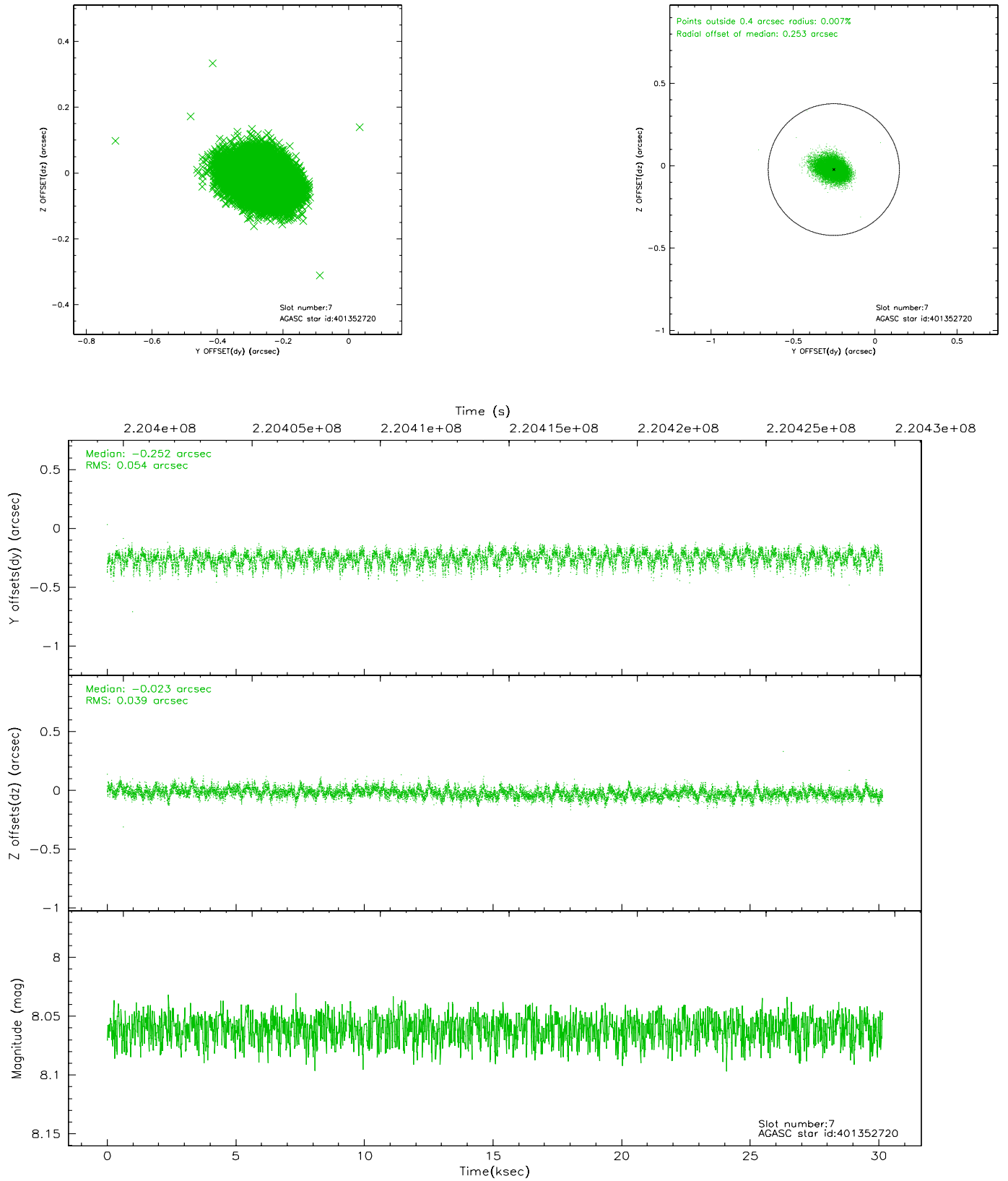
2.4.3 Slot 5



2.4.4 Slot 6

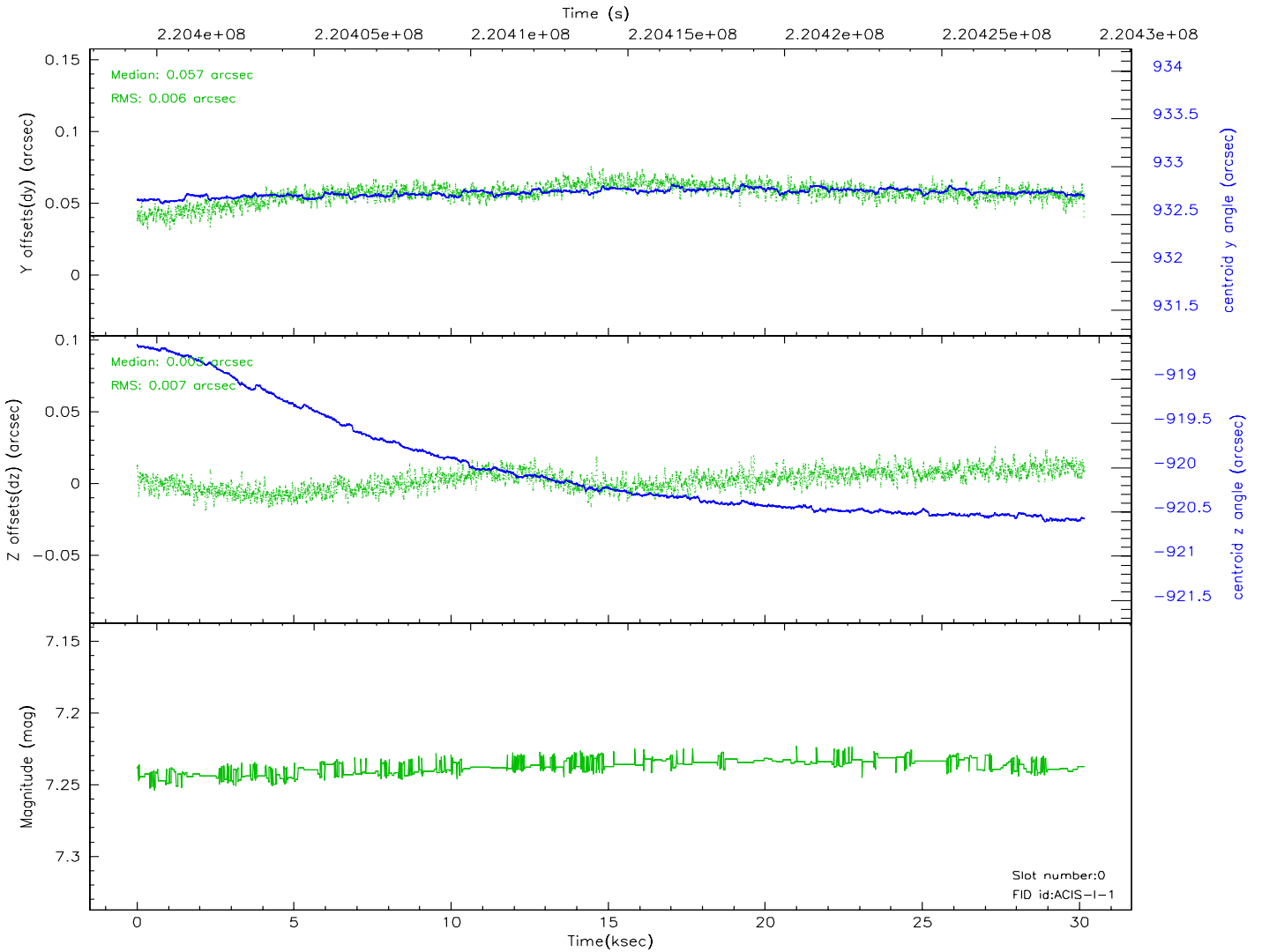
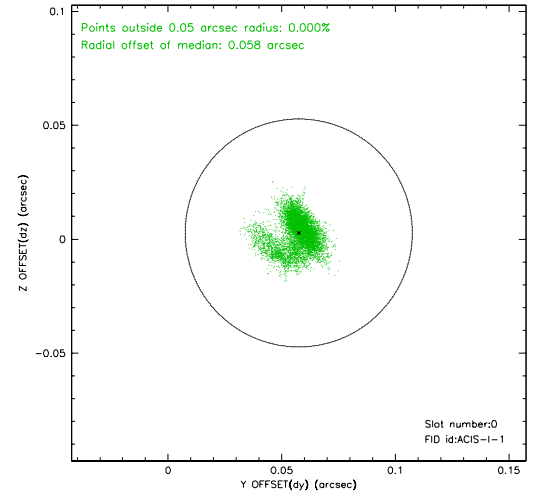
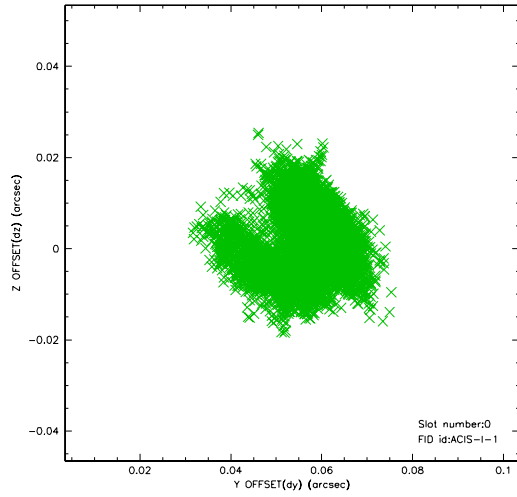


2.4.5 Slot 7

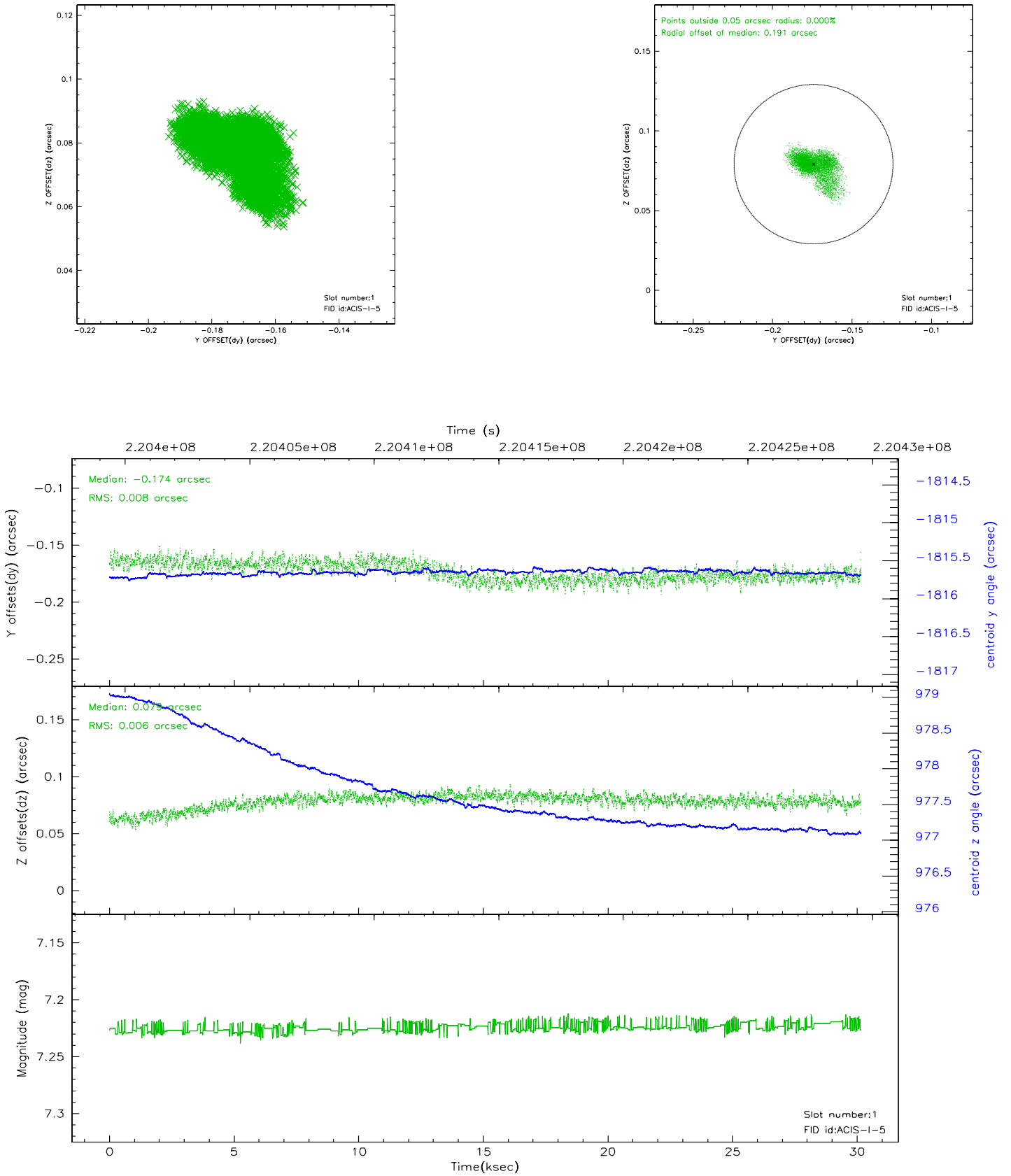


2.5 FID Slots

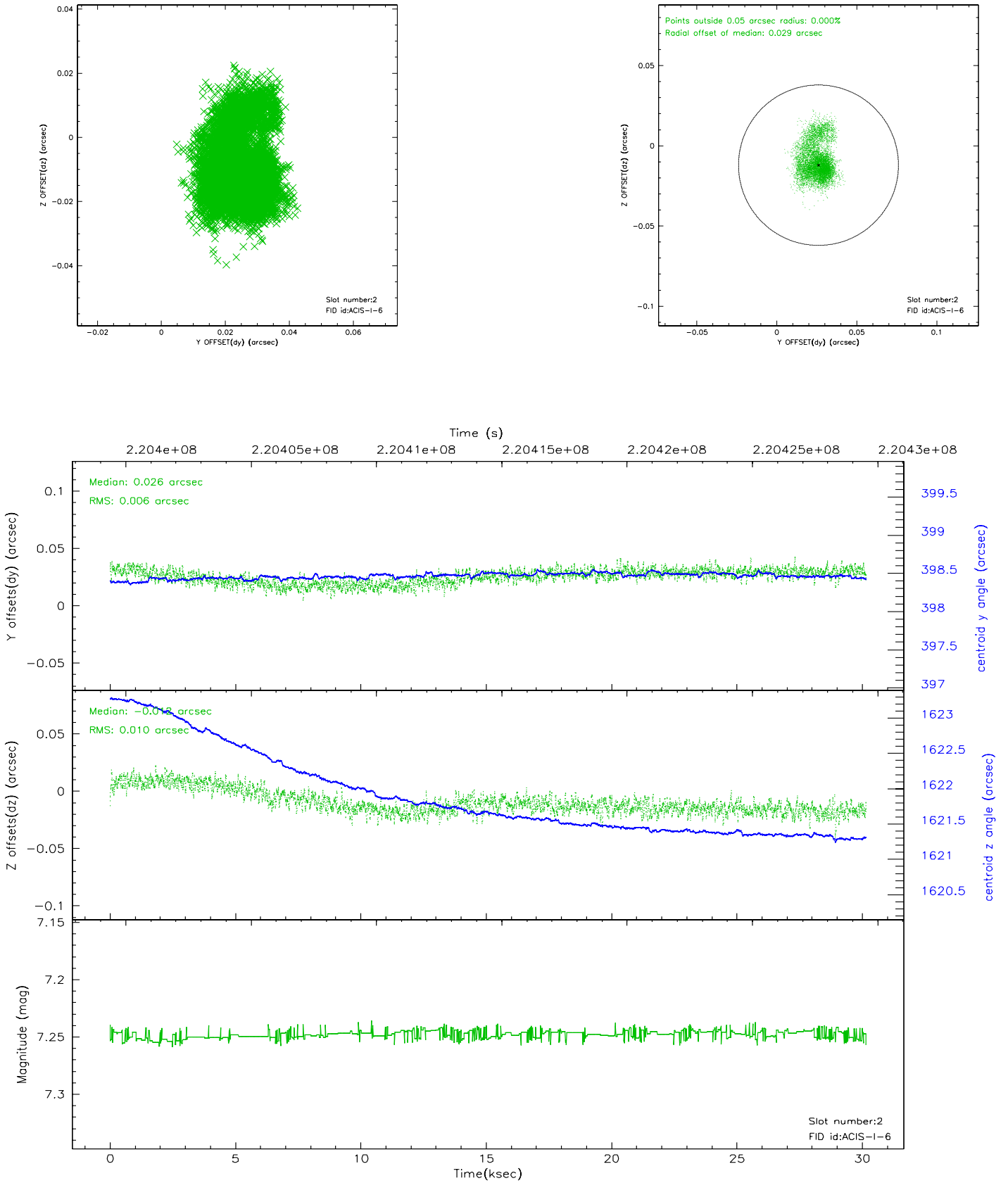
2.5.1 Slot 0



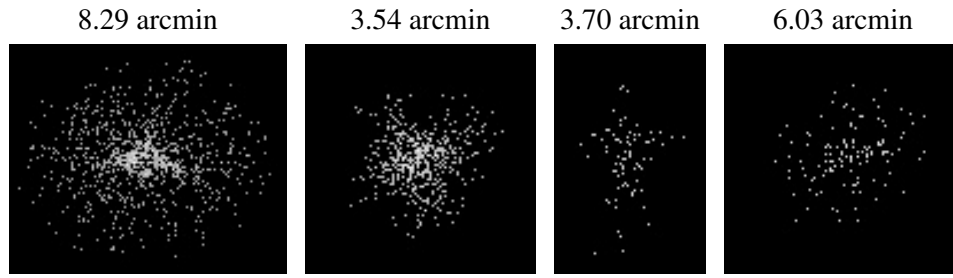
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.14427

A.2 Comments