

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 7196 - L2 Version 002
Chandra X-Ray Center

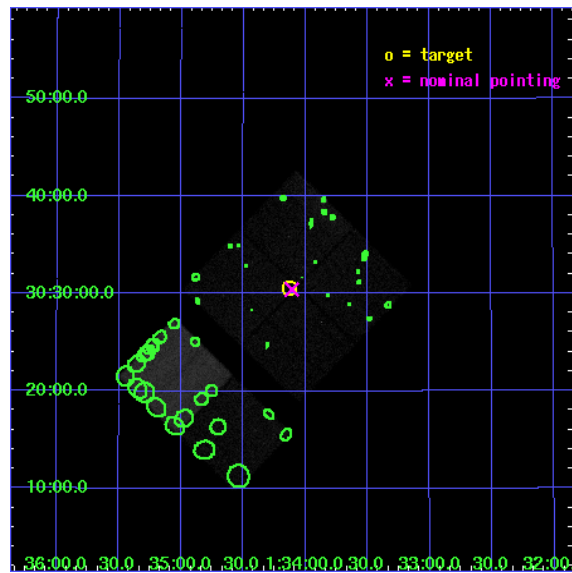
L2 Processing Date : Apr 4 2006

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

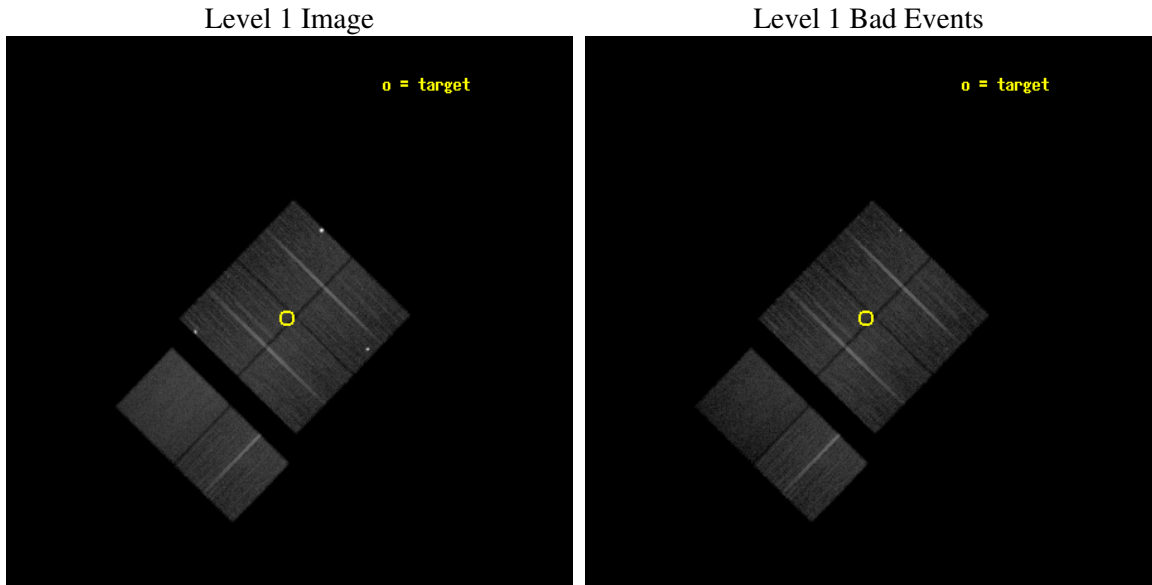
seq_num	600488
obs_id	7196
title	The Chandra ACIS Survey of M33 (ChASem33): A Deep Survey of the Nearest Face-on Spiral Galaxy
observer	Dr Manami Sasaki
object	M33 Field 6
dtcycle	0
cycle	P
ra_targ	23.532083
dec_targ	30.509111
ra_nom	23.527082397332
dec_nom	30.507423664783
roll_nom	224.21122424347
revision	2
ontime	23049.599914134
livetime	22757.732001218
ontime0	23049.599914134
ontime1	23049.599914134
ontime2	23036.636002779
ontime3	23049.599914134
ontime6	23049.599914134
ontime7	23049.599914134
l2events	156820



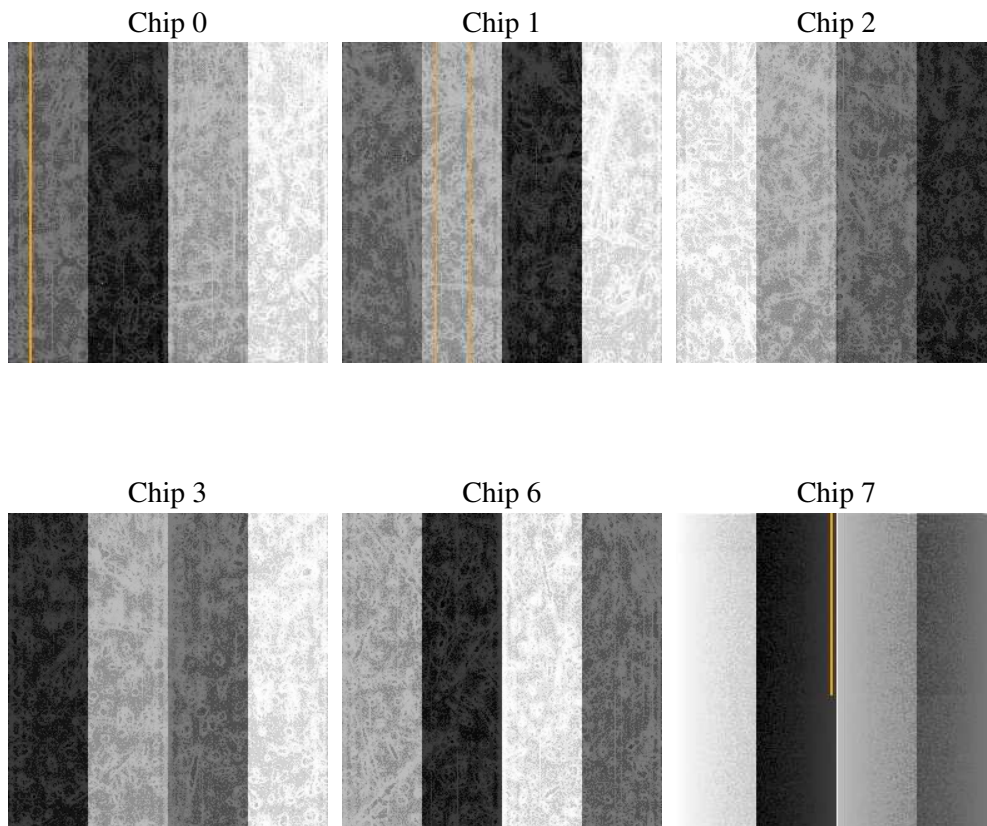
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-04T13:10:05
revision	2

sched_exp_time	23000.000000
ontime	23053.320933431
ontime0	23053.320933431
ontime1	23053.320933431
ontime2	23040.357002199
ontime3	23053.320933431
ontime6	23053.320933431
ontime7	23053.320933431
l1events	951116

2.1.4 Events

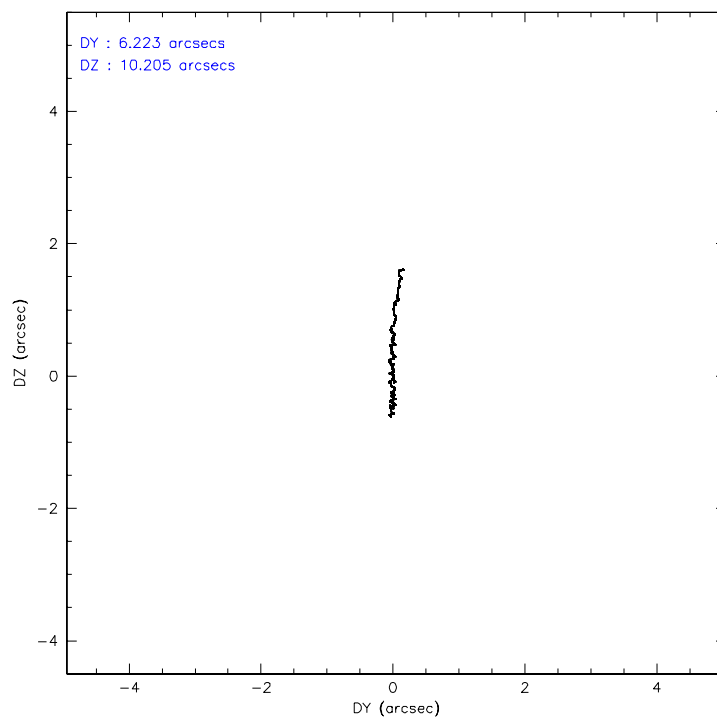
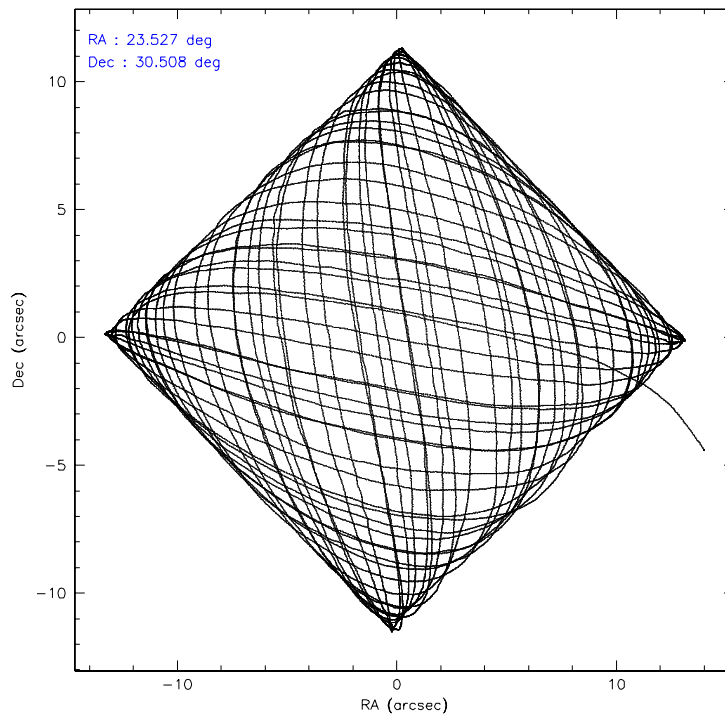
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	147155	162804	158721	155739	157463	169234
rejected events	126926	124292	144265	137213	141890	100388
rejected %	86%	76%	90%	88%	90%	59%

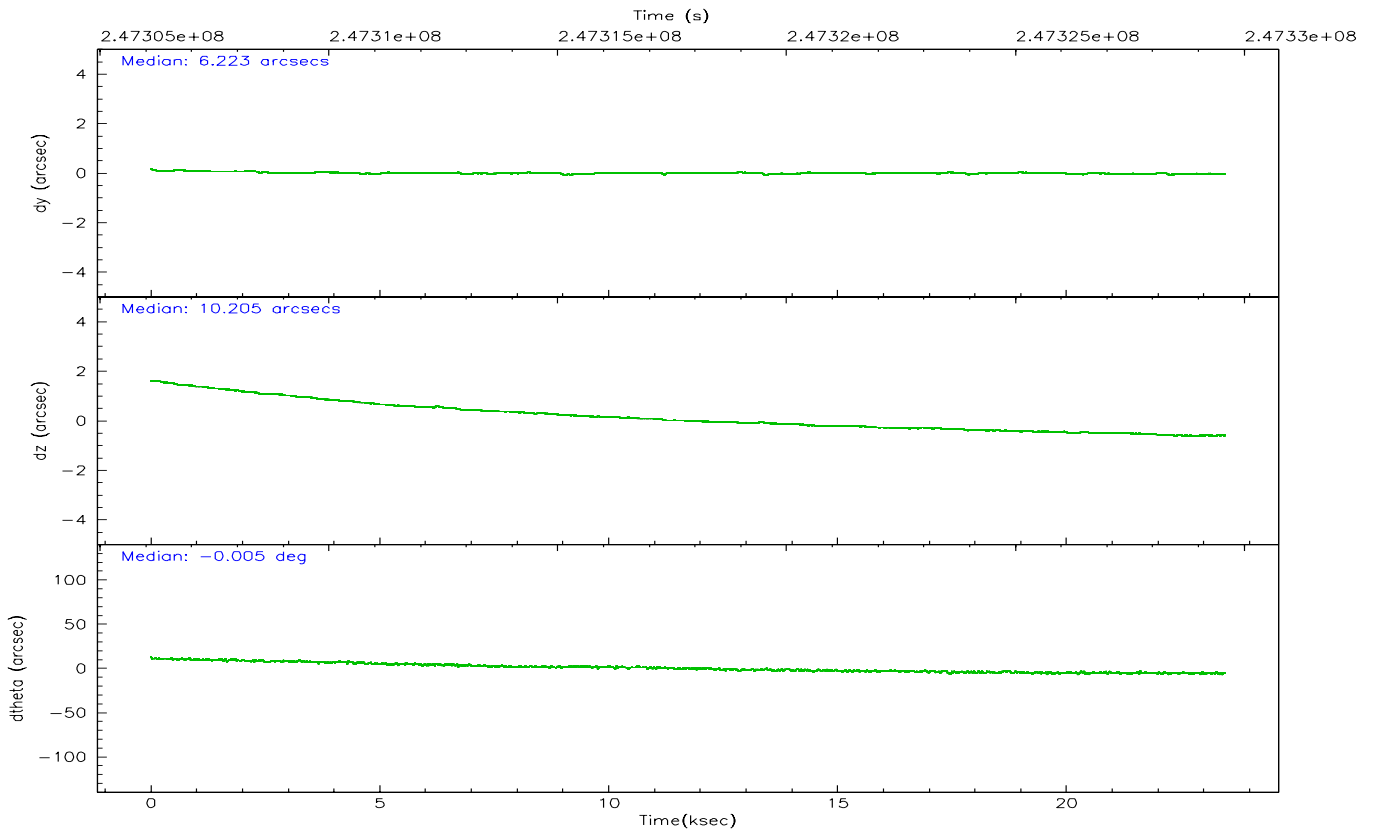
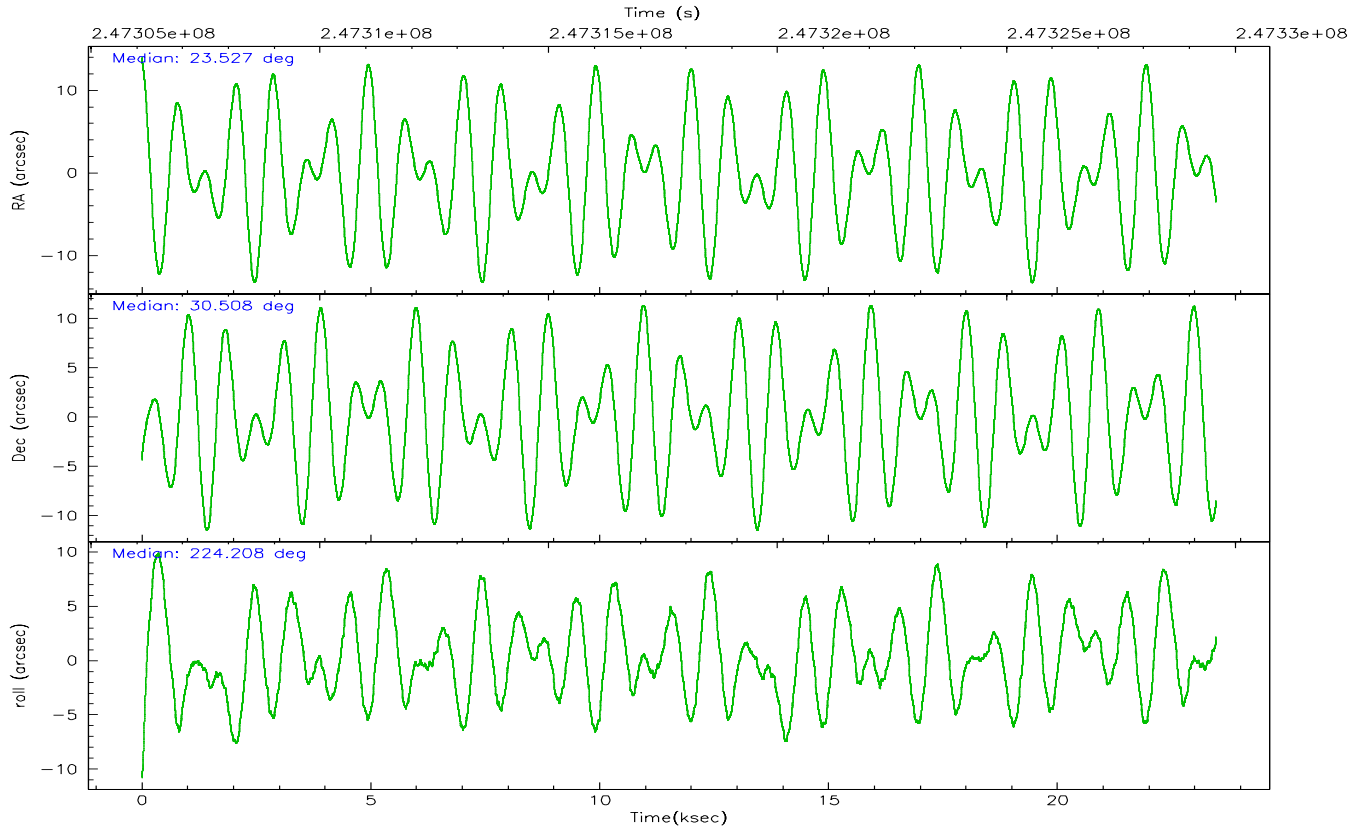
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	9380	23133	5149	8401	5249	3399
	6%	14%	3%	5%	3%	2%
grade 1 events	107	399	99	104	75	79
	0%	0%	0%	0%	0%	0%
grade 2 events	4134	6115	3396	3542	3406	16982
	2%	3%	2%	2%	2%	10%
grade 3 events	1998	2585	1568	1798	1760	3653
	1%	1%	0%	1%	1%	2%
grade 4 events	1765	2600	1630	1773	1745	3559
	1%	1%	1%	1%	1%	2%
grade 5 events	5112	6056	4774	6158	6221	12486
	3%	3%	3%	3%	3%	7%
grade 6 events	2958	4088	2718	3013	3415	41270
	2%	2%	1%	1%	2%	24%
grade 7 events	121701	117828	139387	130950	135592	87806
	82%	72%	87%	84%	86%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	23.535589	23.52708239733166	Alternating exposures requested	N	N
Pointing Dec	30.533805	30.50742366478269	Primary exposure time	0.000000	3.2
Pointing Roll	223.998215	224.2112242434697			
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	247306579.184000	247305430.79016			
Observation start date	2005-11-02T08:15:15	2005-11-02T07:57:10			
Observation end time	247329579.184000	247330284.4788			
Observation end date	2005-11-02T14:38:35	2005-11-02T14:51:24			
Read mode	TIMED	TIMED			

2.3 Aspect



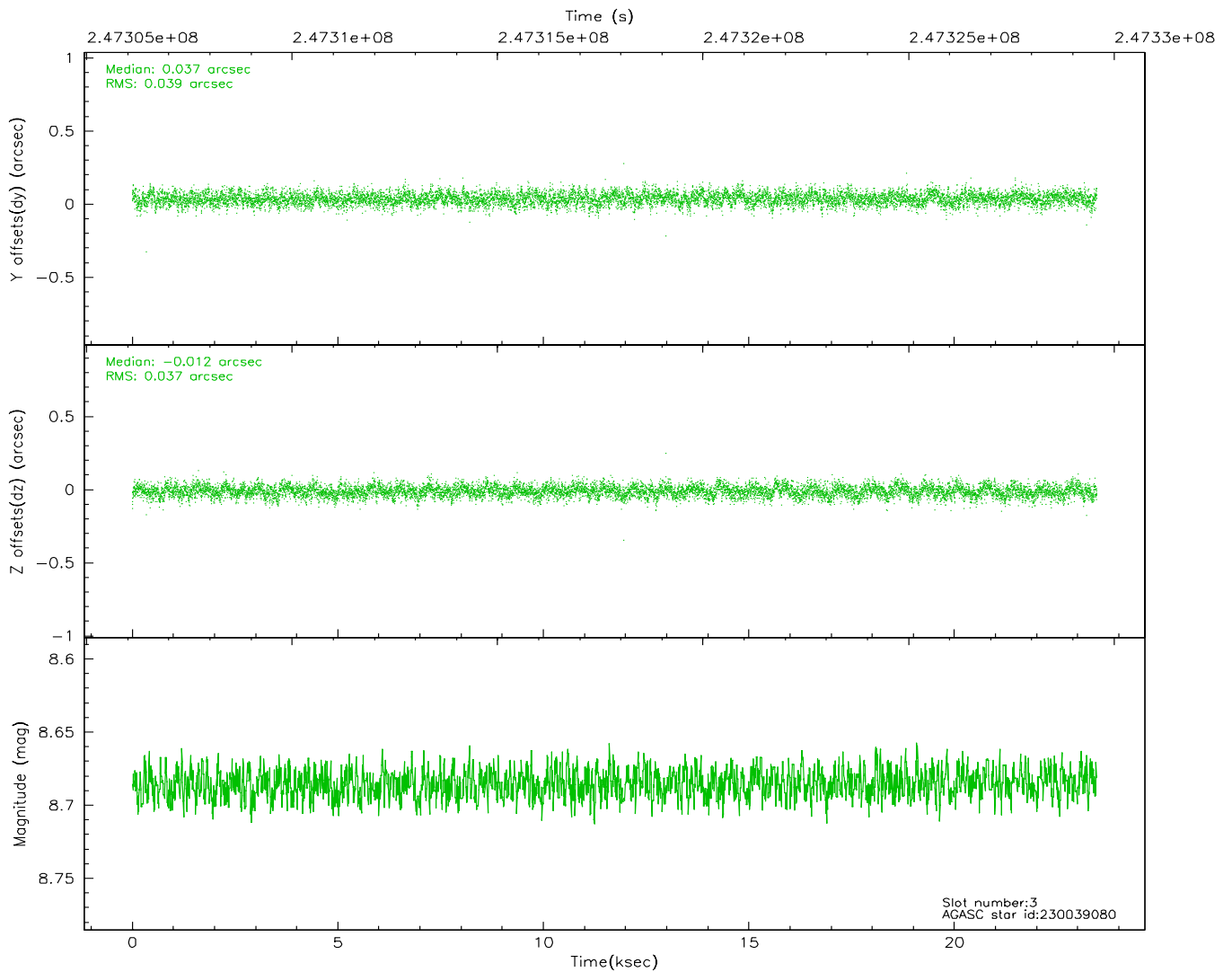
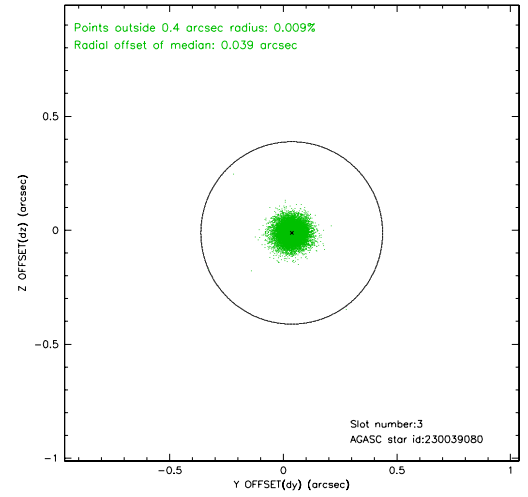
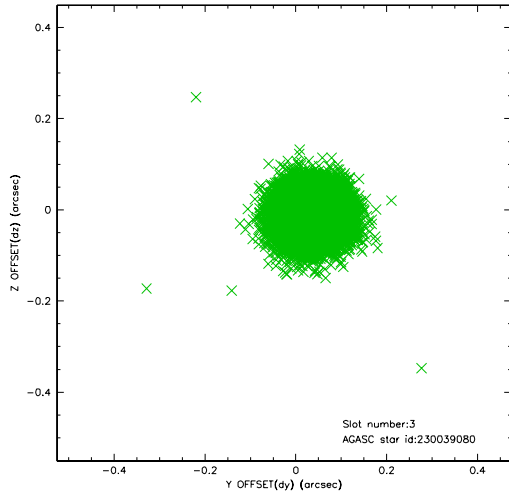


Slot Statistics

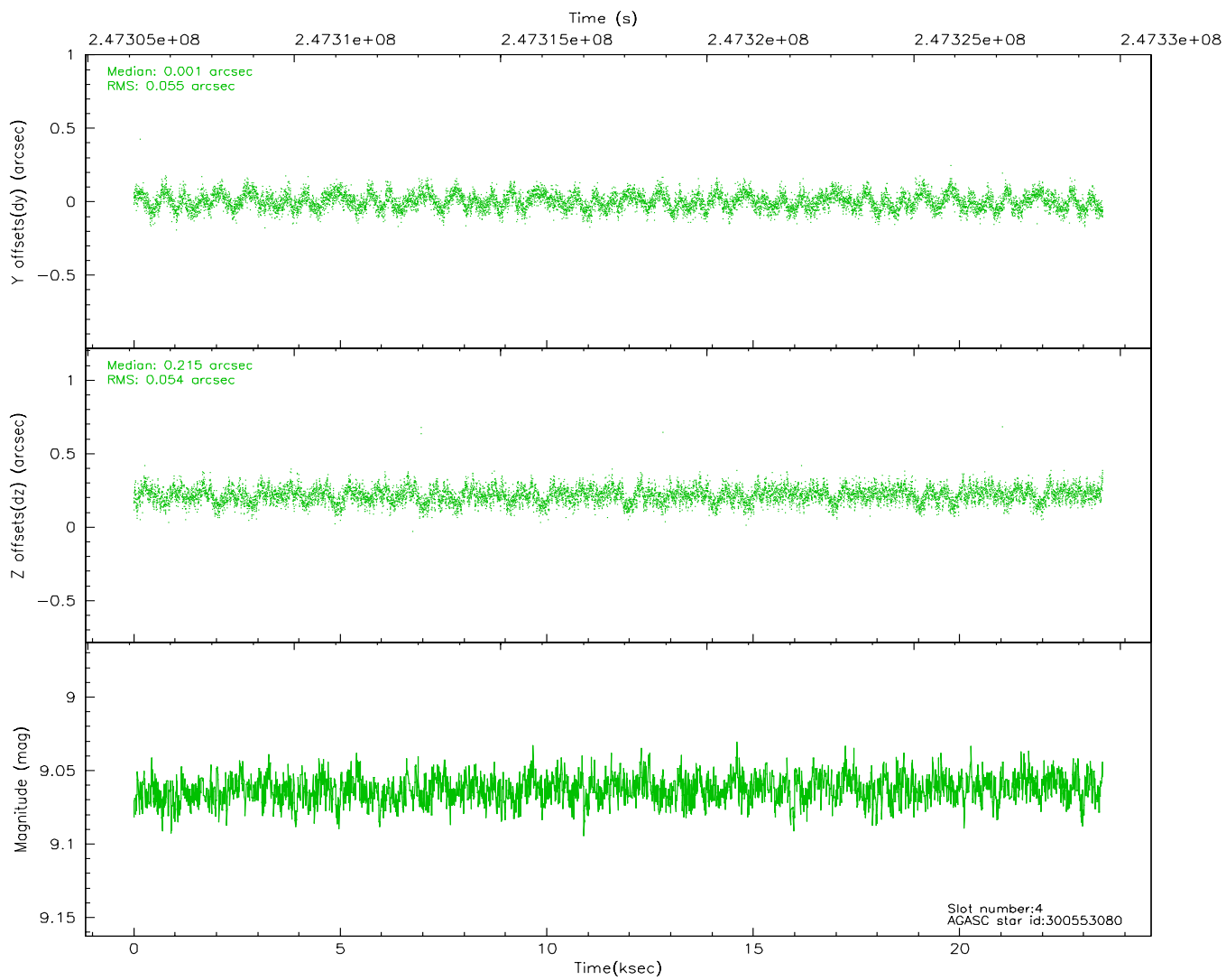
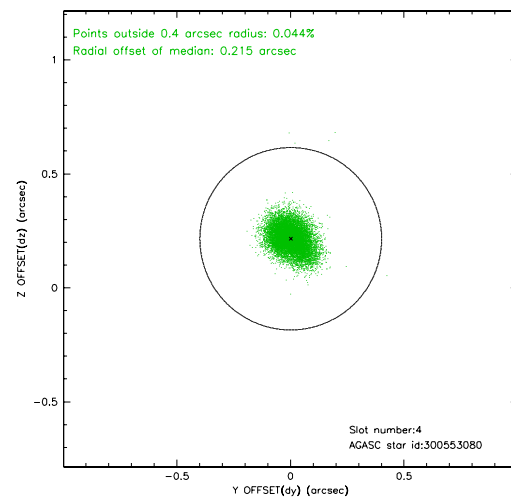
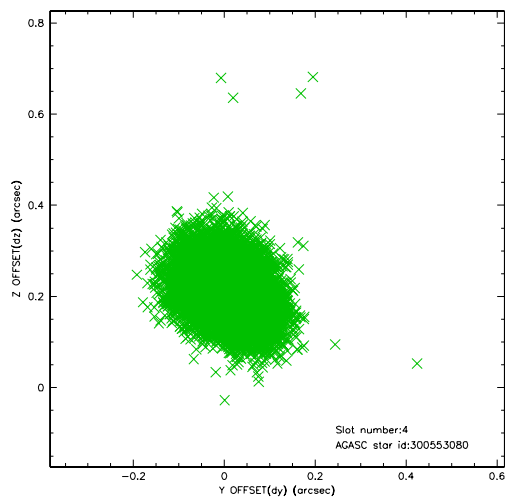
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	5723	-0.017	0.029	0.010	0.016	0.000000	0.000000	933.50	-833.78
1	FID	ACIS-I-2	7.14	5723	-0.055	0.000	0.016	0.030	0.000000	0.000000	-760.55	-840.40
2	FID	ACIS-I-6	7.25	5722	-0.019	0.039	0.019	0.028	0.000000	0.000000	398.95	1707.95
3	GUIDE	230039080	8.69	11439	0.037	-0.012	0.057	0.092	23.320866	29.887774	2097.45	1207.49
4	GUIDE	300553080	9.06	11441	0.001	0.215	0.083	0.133	23.777101	30.773227	-1136.23	-101.17
5	GUIDE	300559160	9.40	11409	0.029	-0.106	0.100	0.169	24.161026	30.632205	-1643.37	1087.18
6	GUIDE	300559832	7.87	11446	-0.014	-0.104	0.055	0.089	24.407732	30.552794	-1999.80	1821.65
7	GUIDE	300559960	7.88	11441	-0.052	0.011	0.063	0.100	22.944463	30.624765	1086.48	-1510.12

2.4 Star Slots

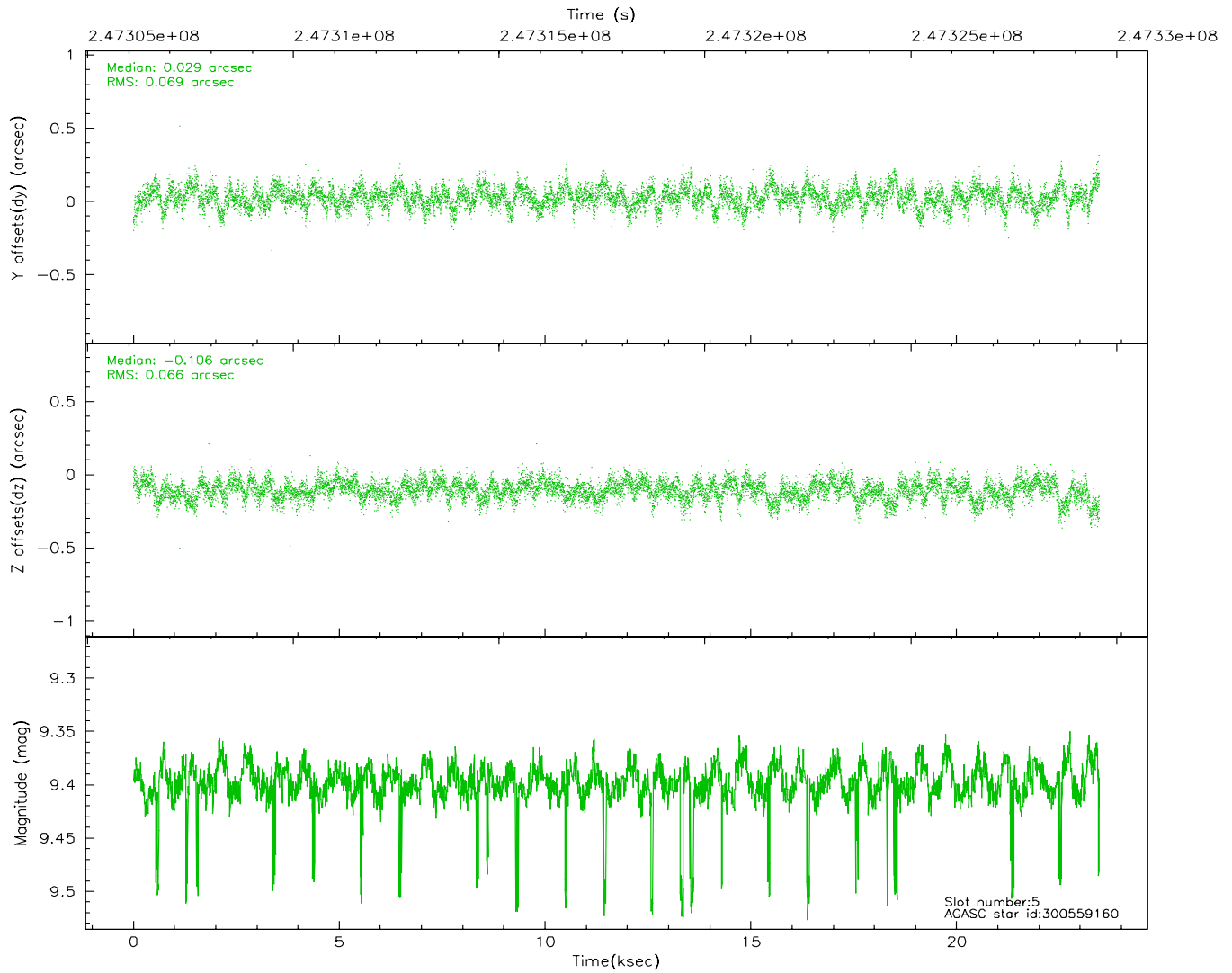
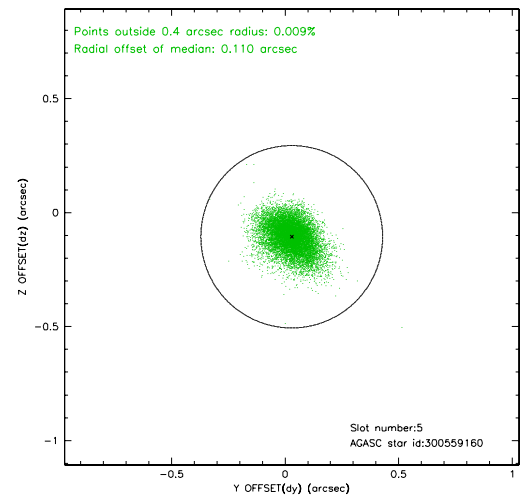
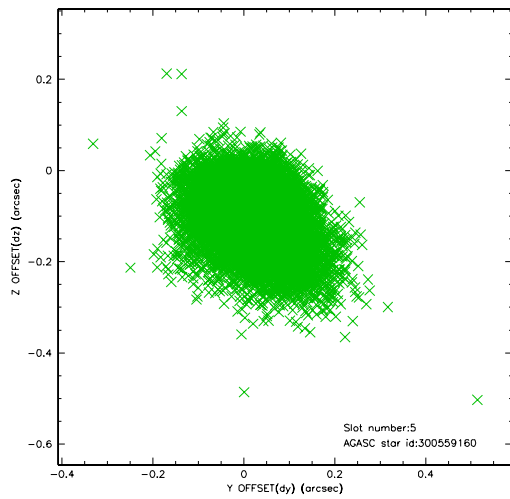
2.4.1 Slot 3



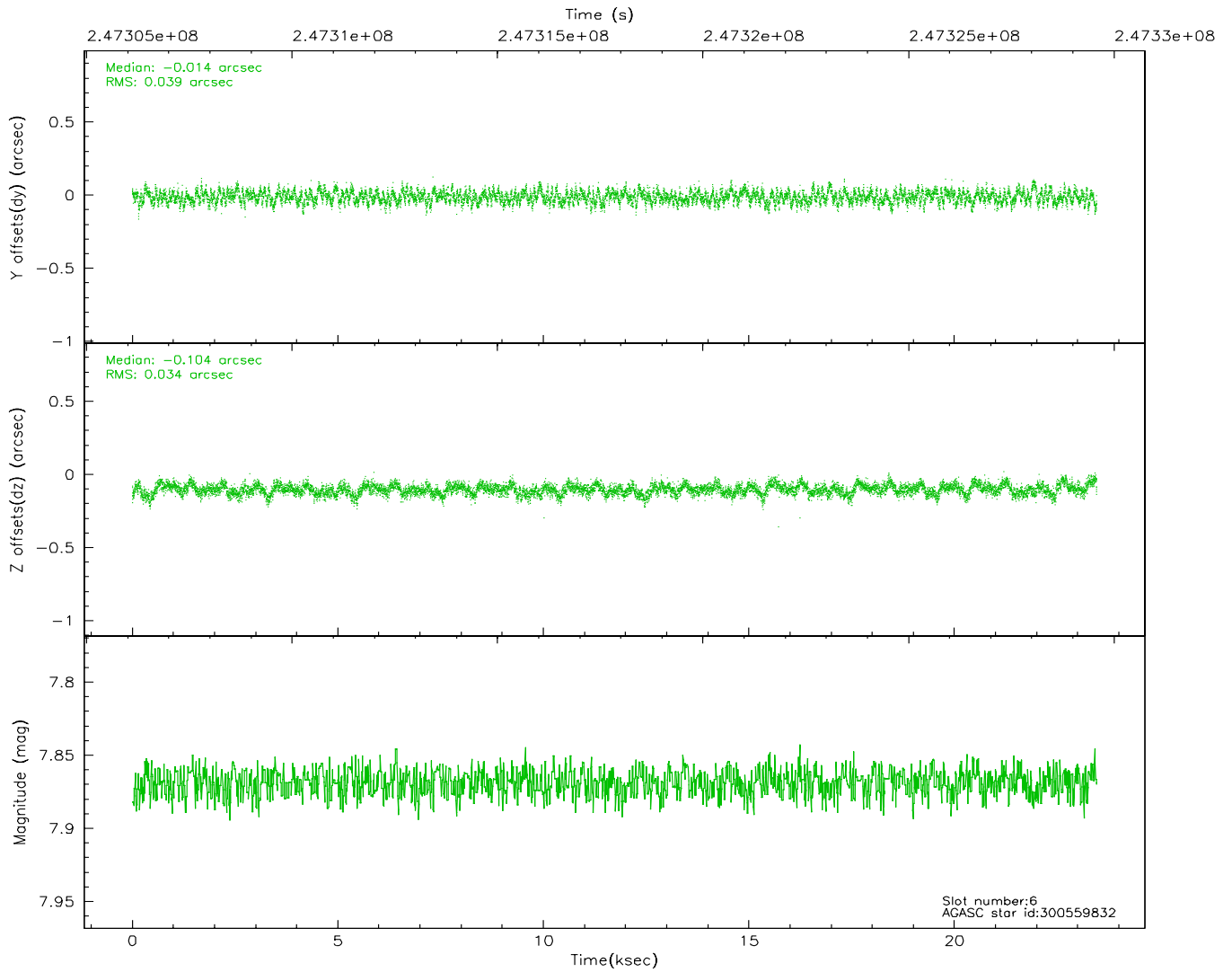
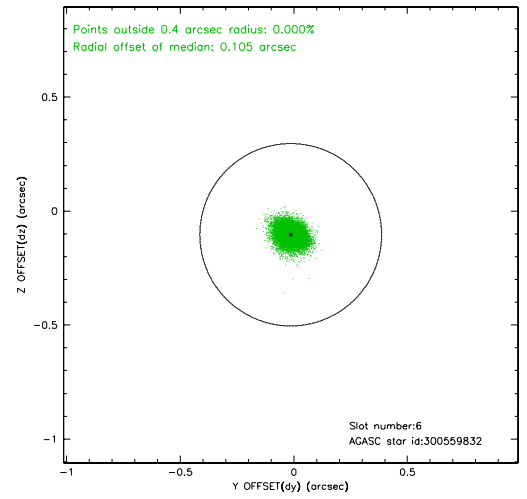
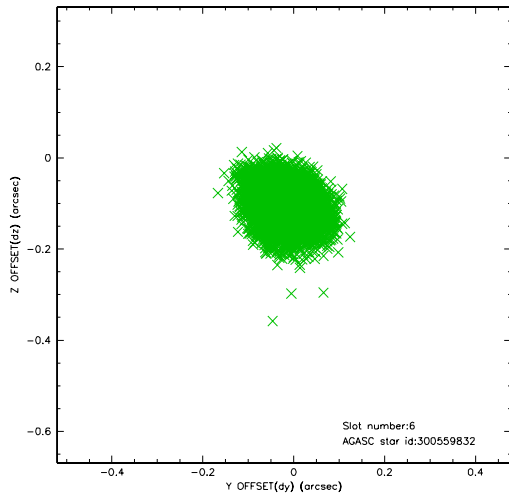
2.4.2 Slot 4



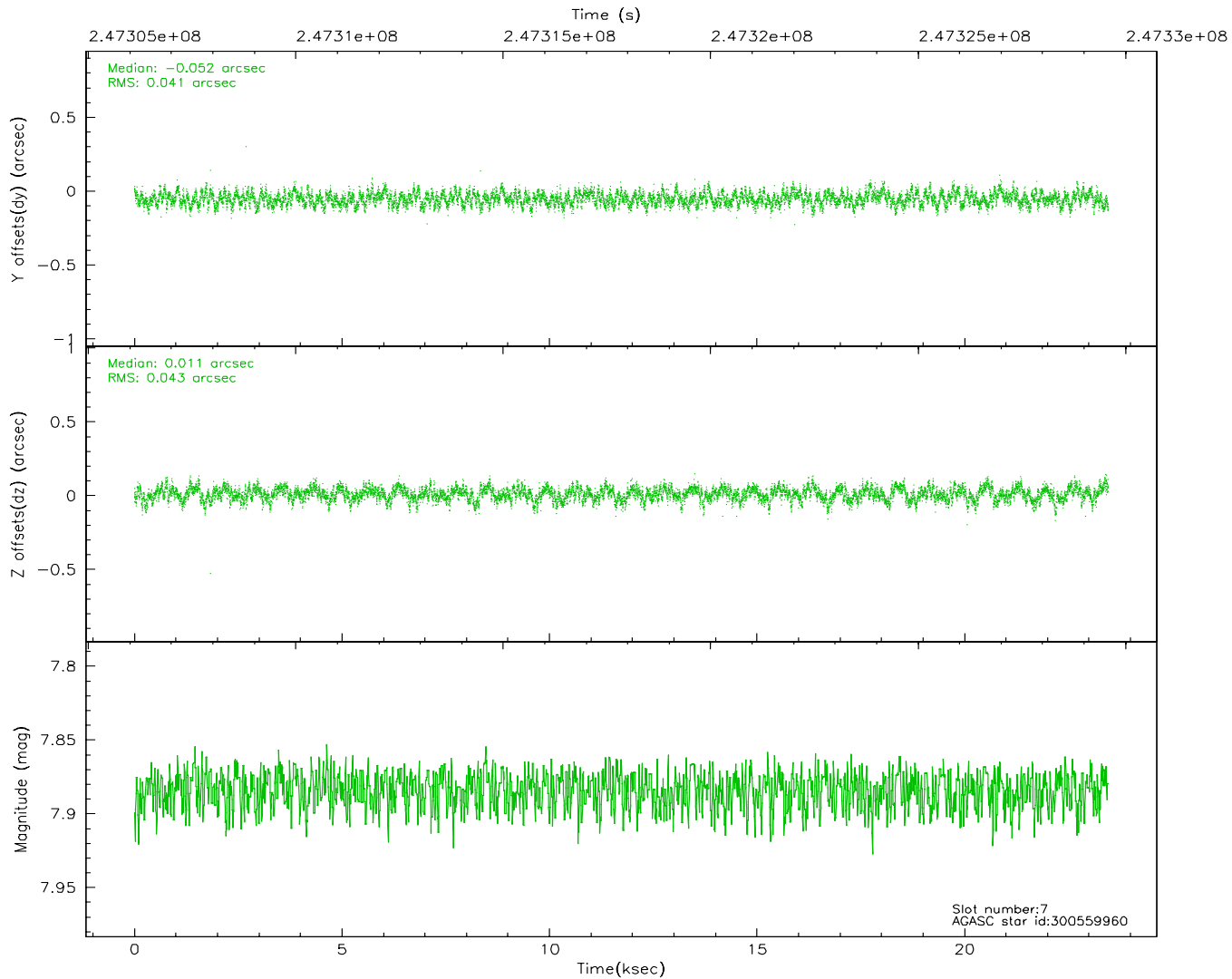
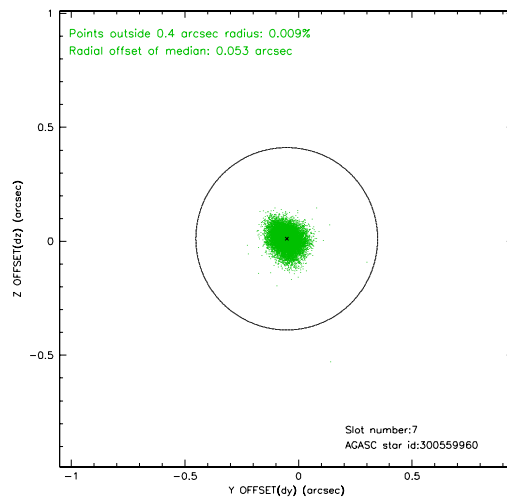
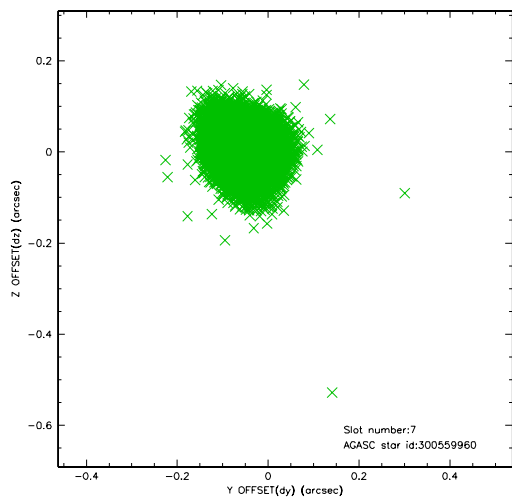
2.4.3 Slot 5



2.4.4 Slot 6

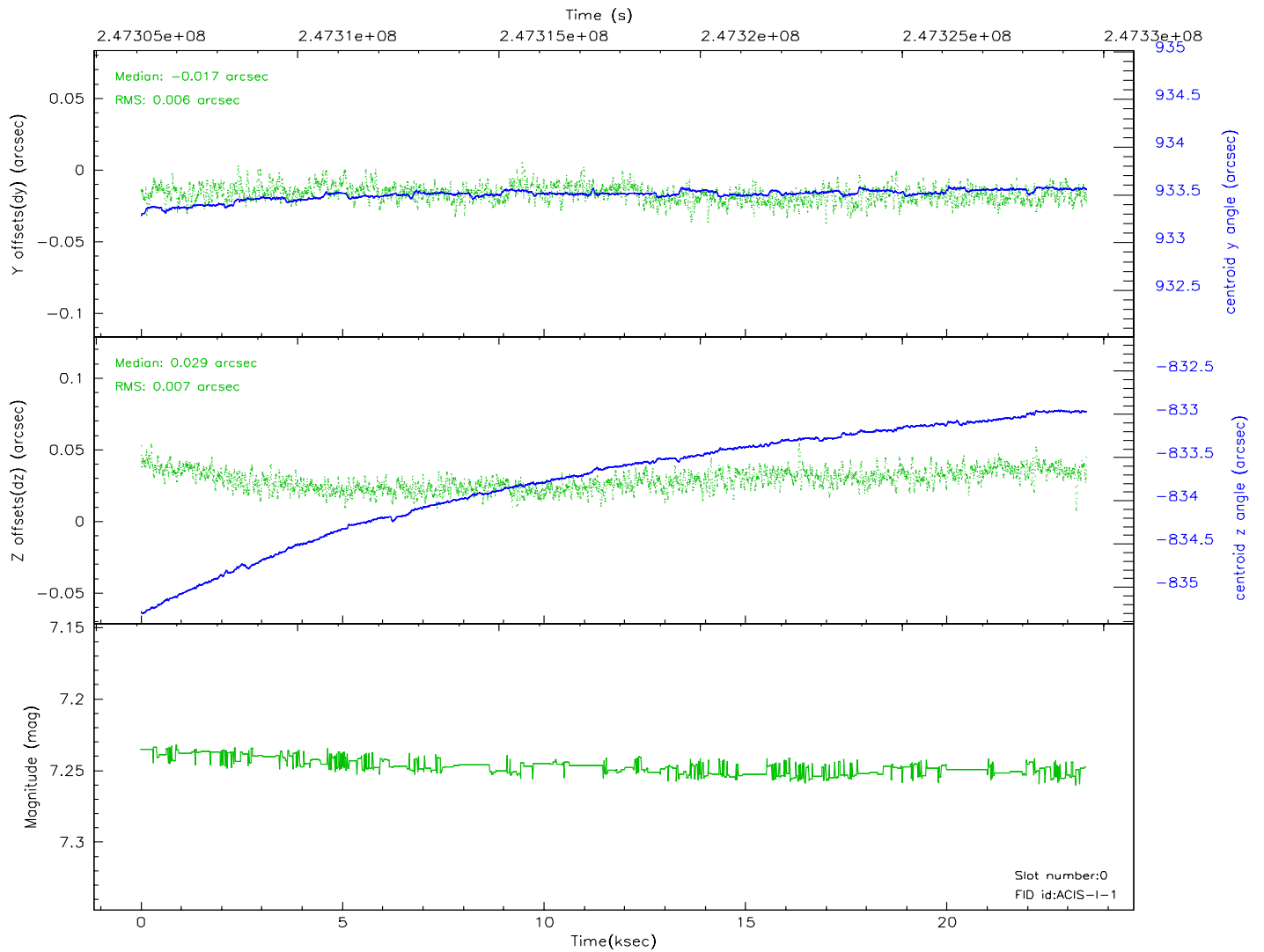
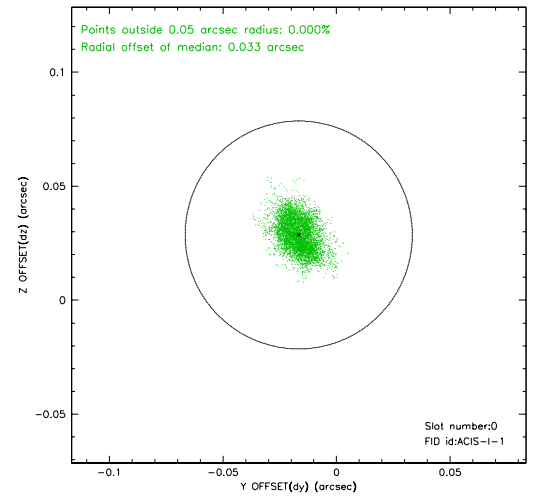
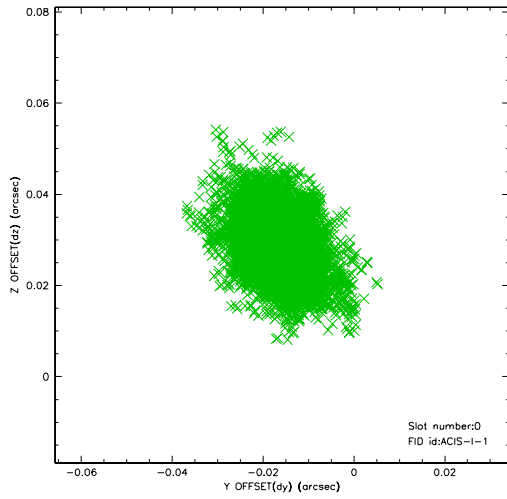


2.4.5 Slot 7

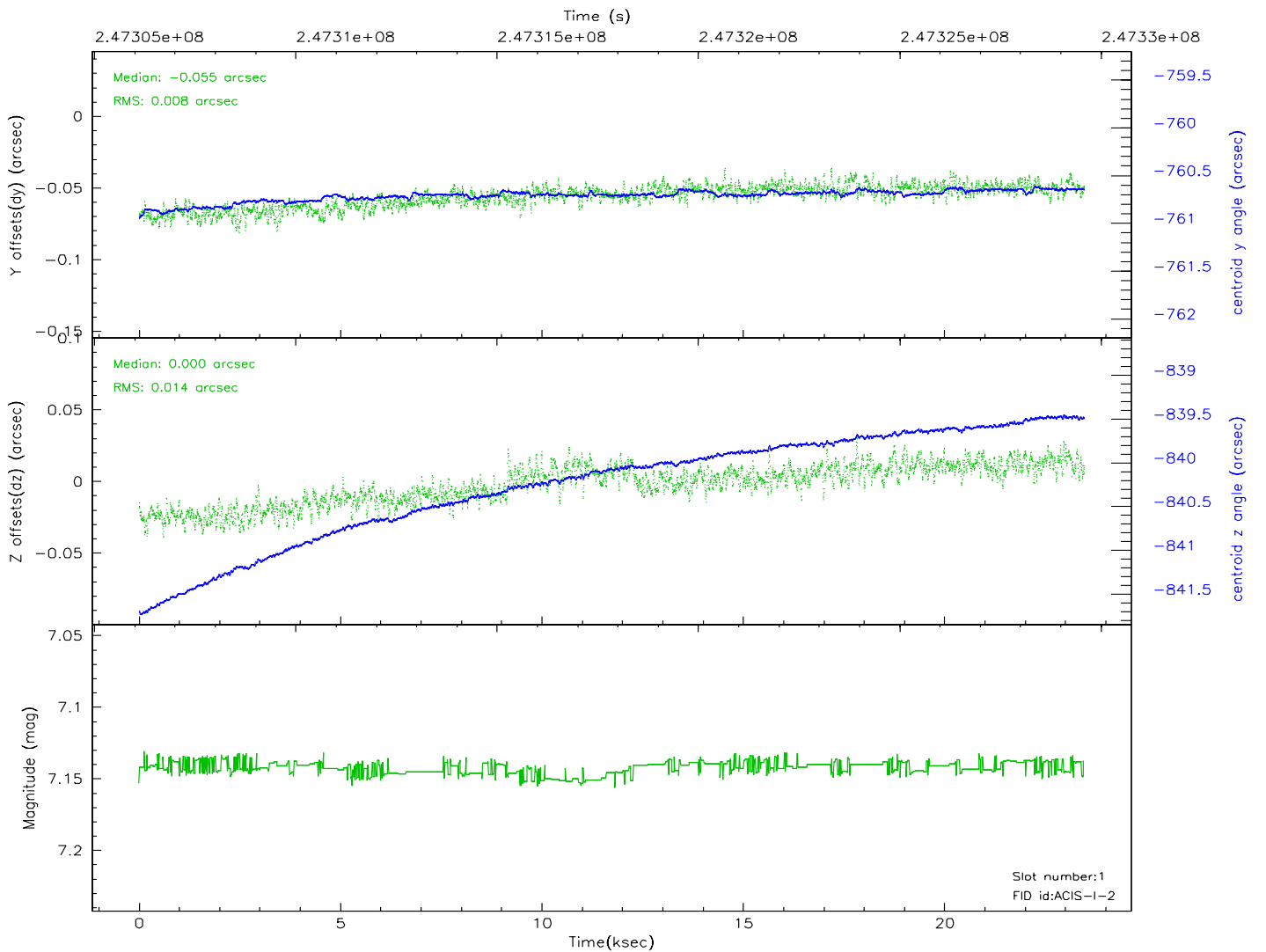
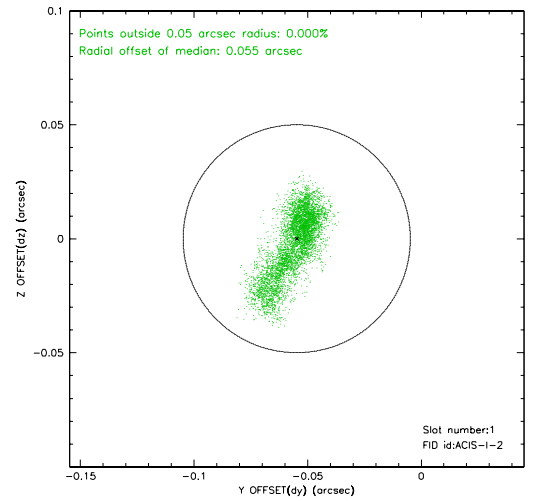
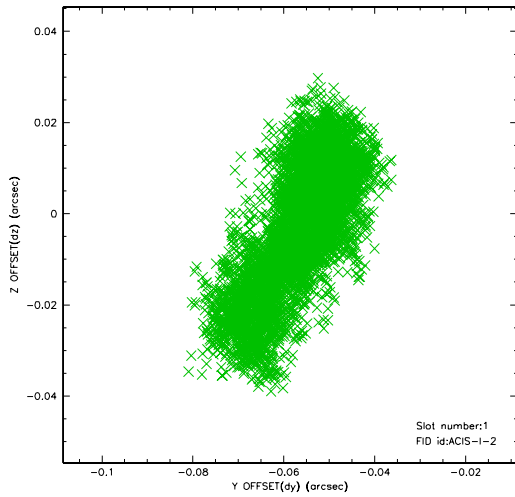


2.5 FID Slots

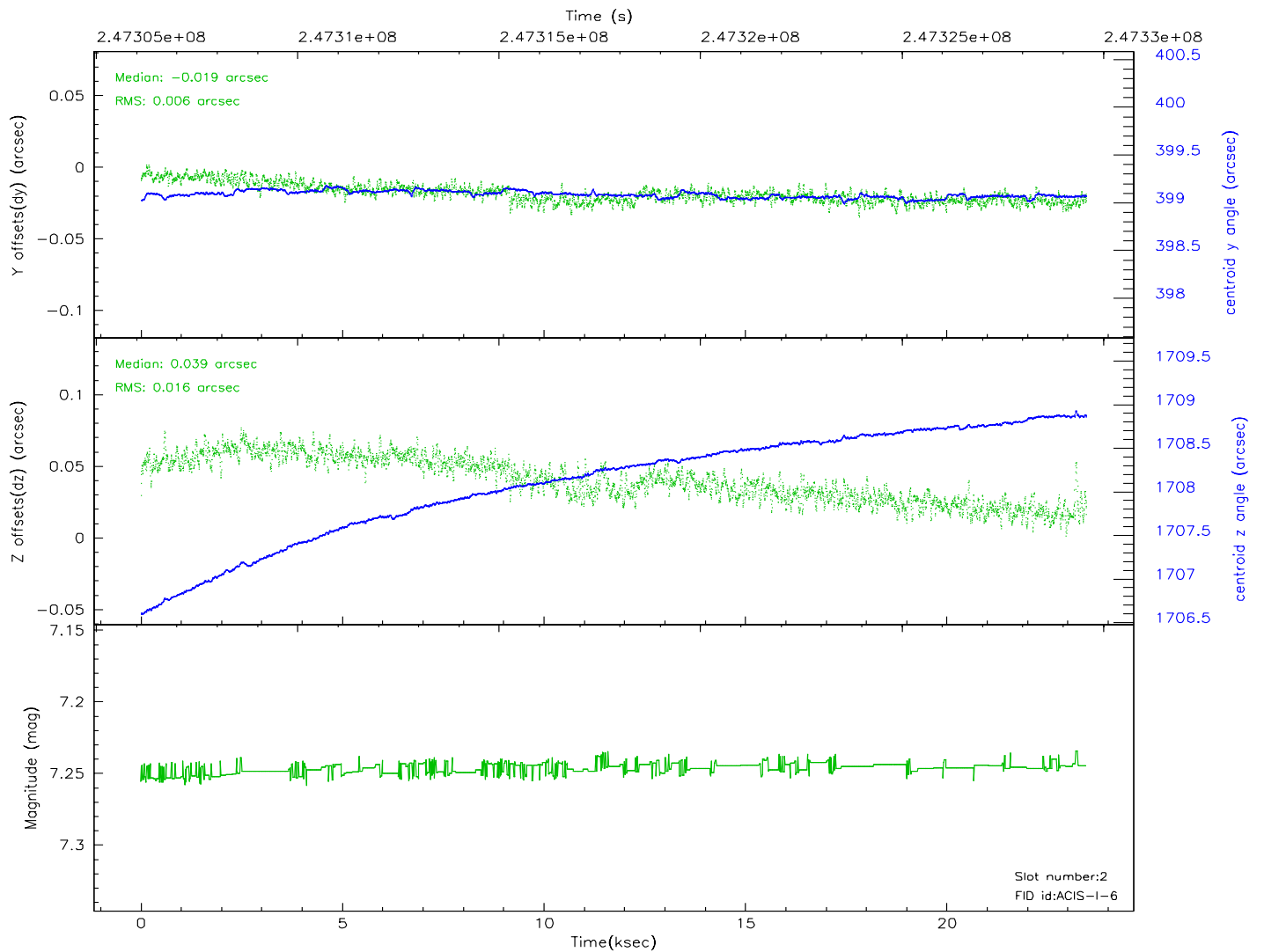
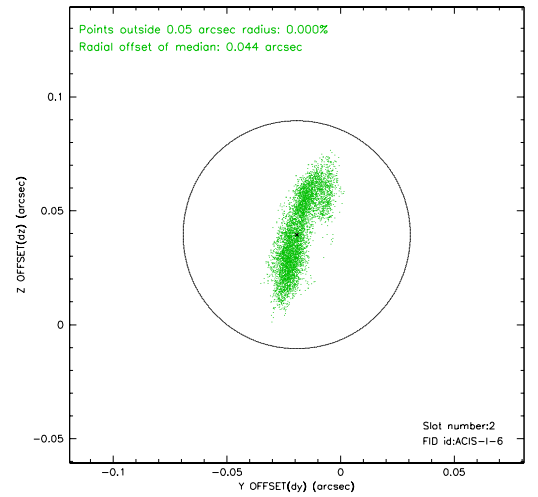
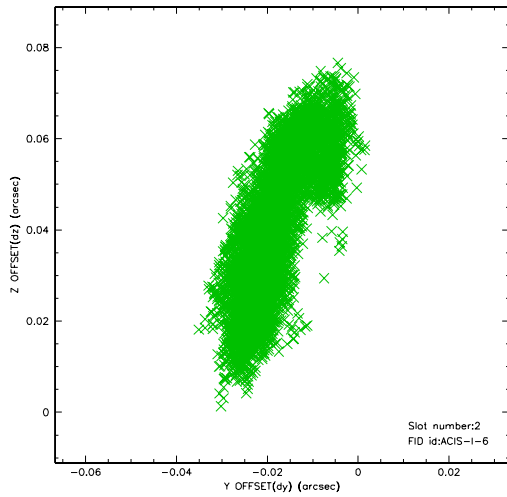
2.5.1 Slot 0



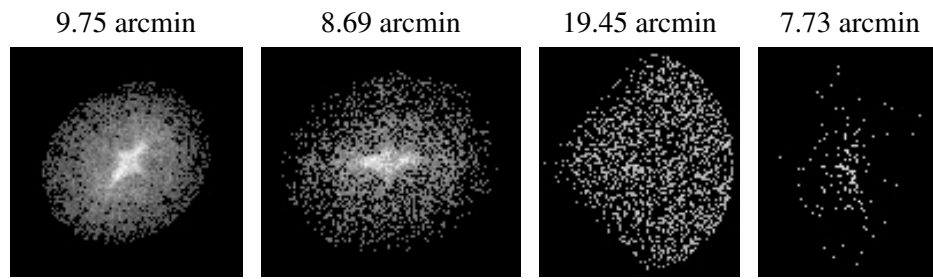
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.04959

A.2 Comments