

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4362 - L2 Version 001
Chandra X-Ray Center

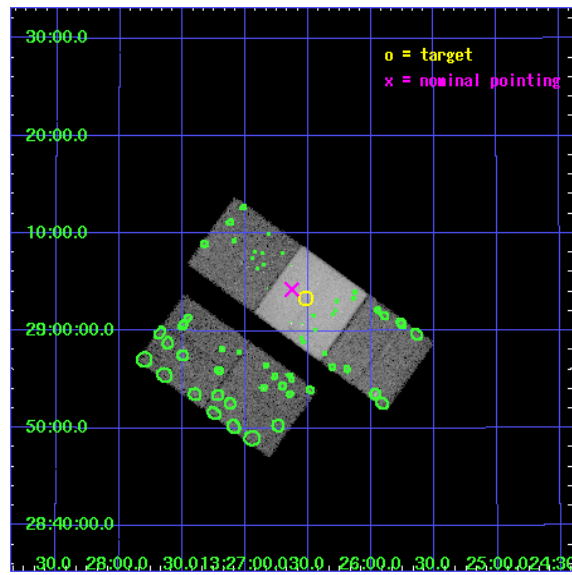
L2 Processing Date : Oct 9 2006

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

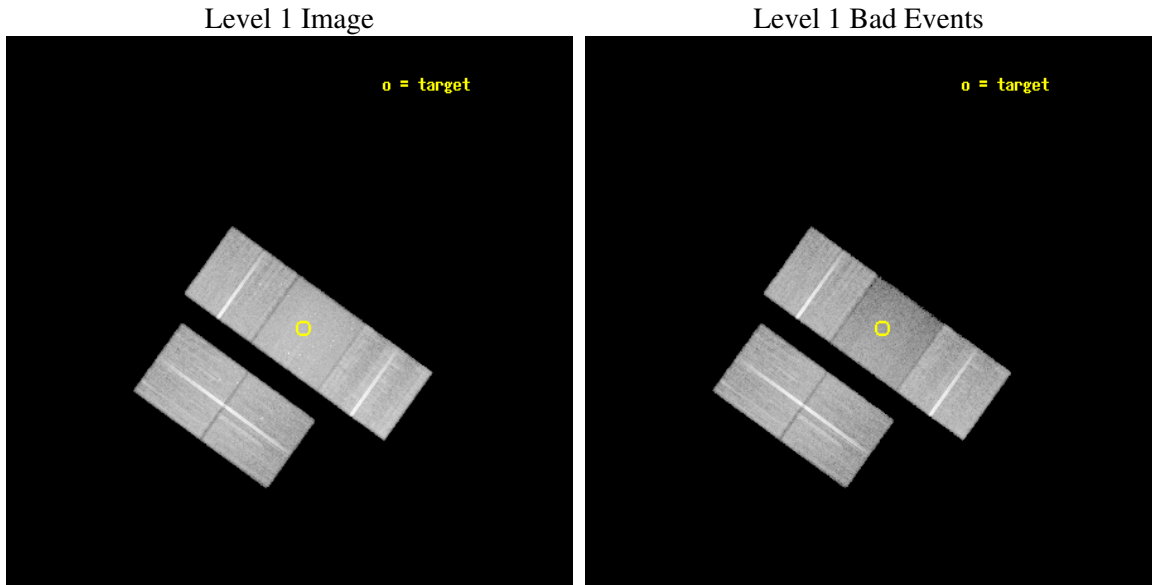
seq_num	800291
obs_id	4362
title	MAPPING DARK MATTER IN A COLLING FLOW CLUSTER AND A DARK CLUMP
observer	Professor Gordon Garmire
object	RCS1325+2858
dtcycle	0
cycle	P
ra_targ	201.629458
dec_targ	29.0555
ra_nom	201.65756040397
dec_nom	29.071069443865
roll_nom	35.83536966011
revision	3
ontime	43939.399915516
livetime	43365.299307905
ontime2	43933.117965132
ontime3	43936.25895527
ontime6	43936.258935362
ontime7	43939.399915516
ontime8	43939.399915516
l2events	192152



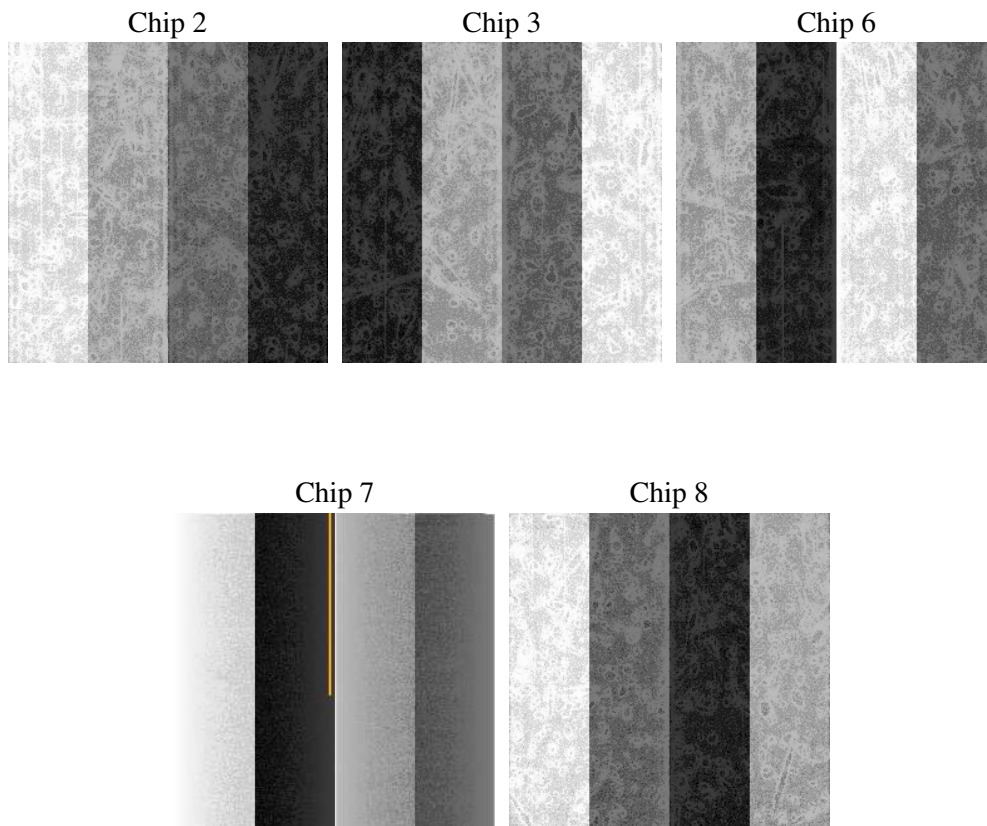
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-09T17:59:28
revision	3

sched_exp_time	43792.034000
ontime	43945.736258686
ontime2	43939.454288363
ontime3	43942.595278502
ontime6	43942.595258594
ontime7	43945.736258686
ontime8	43945.736238748
l1events	1072262

2.1.4 Events

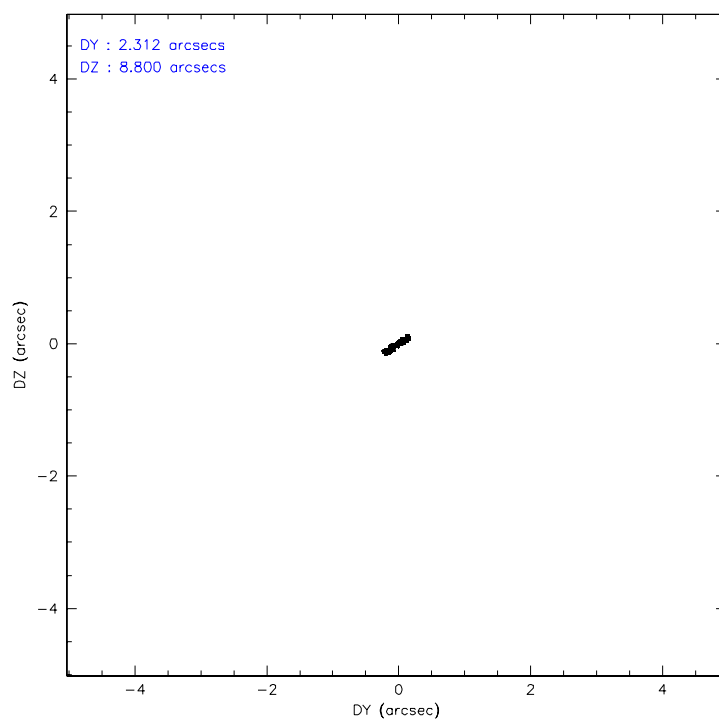
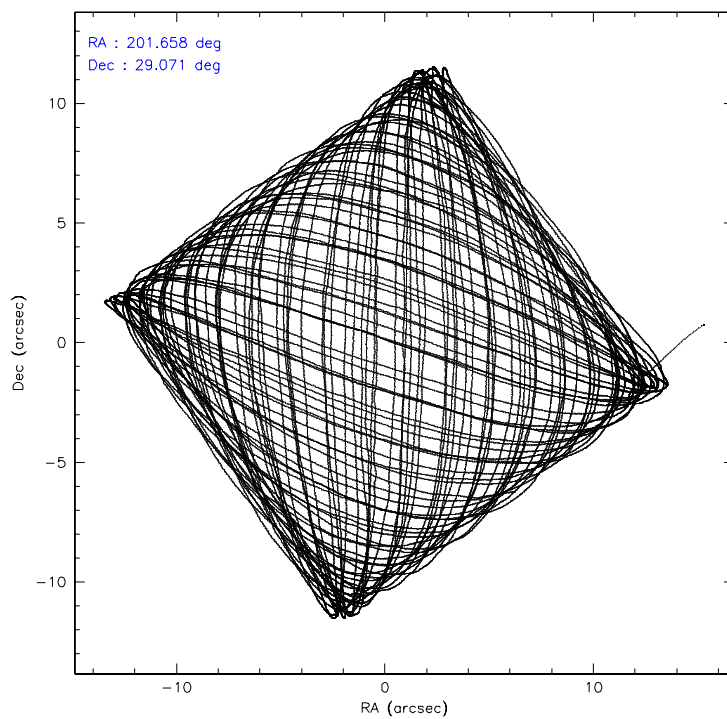
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	209386	191706	204829	216403	249938
rejected events	187967	171595	180713	100701	189609
rejected %	89%	89%	88%	46%	75%

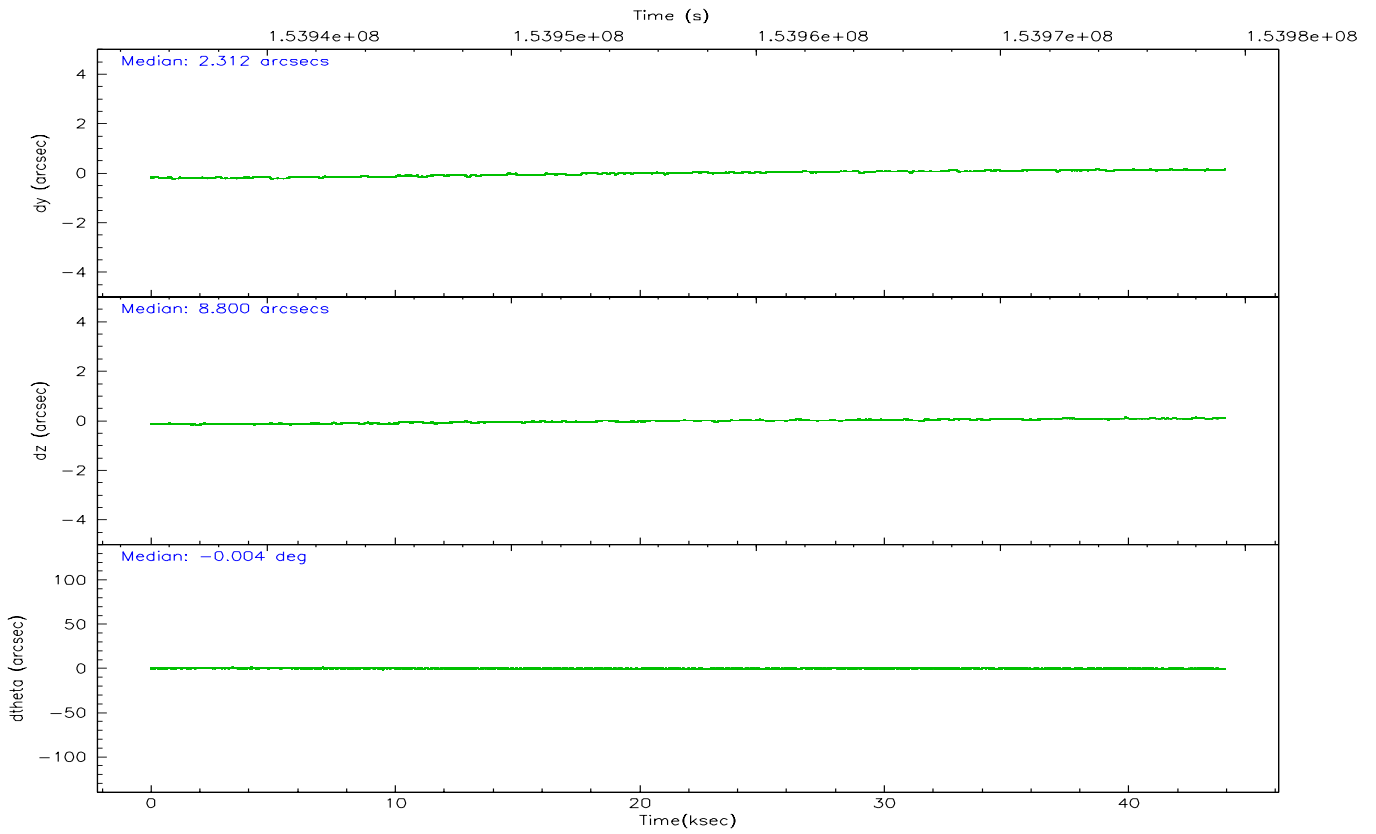
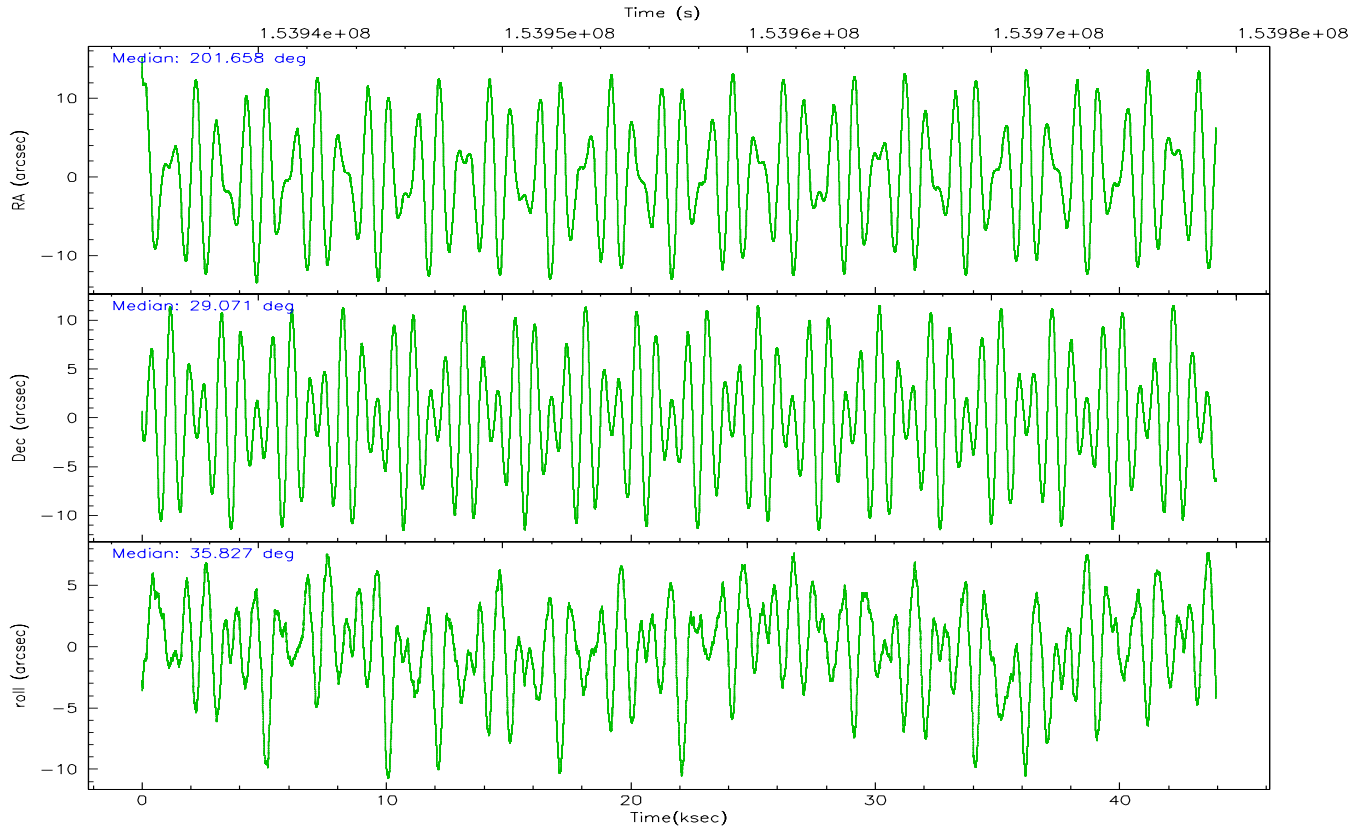
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	9060	8427	10689	10026	19655
	4%	4%	5%	4%	7%
grade 1 events	83	110	88	116	204
	0%	0%	0%	0%	0%
grade 2 events	4480	4037	4617	27865	12479
	2%	2%	2%	12%	4%
grade 3 events	2291	2157	2410	7467	7132
	1%	1%	1%	3%	2%
grade 4 events	2199	2189	2305	7230	6536
	1%	1%	1%	3%	2%
grade 5 events	5383	6300	6489	14391	9699
	2%	3%	3%	6%	3%
grade 6 events	3391	3304	4099	63132	14588
	1%	1%	2%	29%	5%
grade 7 events	182499	165182	174132	86176	179645
	87%	86%	85%	39%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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	201.645181	201.657560403973	Subarray requested	NONE	NONE
Pointing Dec	29.046083	29.0710694438652	Alternating exposures requested	N	N
Pointing Roll	35.684755	35.83536966011008	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	153935401.184000	153934403.14495			
Observation start date	2002-11-17T15:48:57	2002-11-17T15:33:23			
Observation end time	153979193.184000	153979507.24683			
Observation end date	2002-11-18T03:58:49	2002-11-18T04:05:07			
Read mode	TIMED	TIMED			

2.3 Aspect



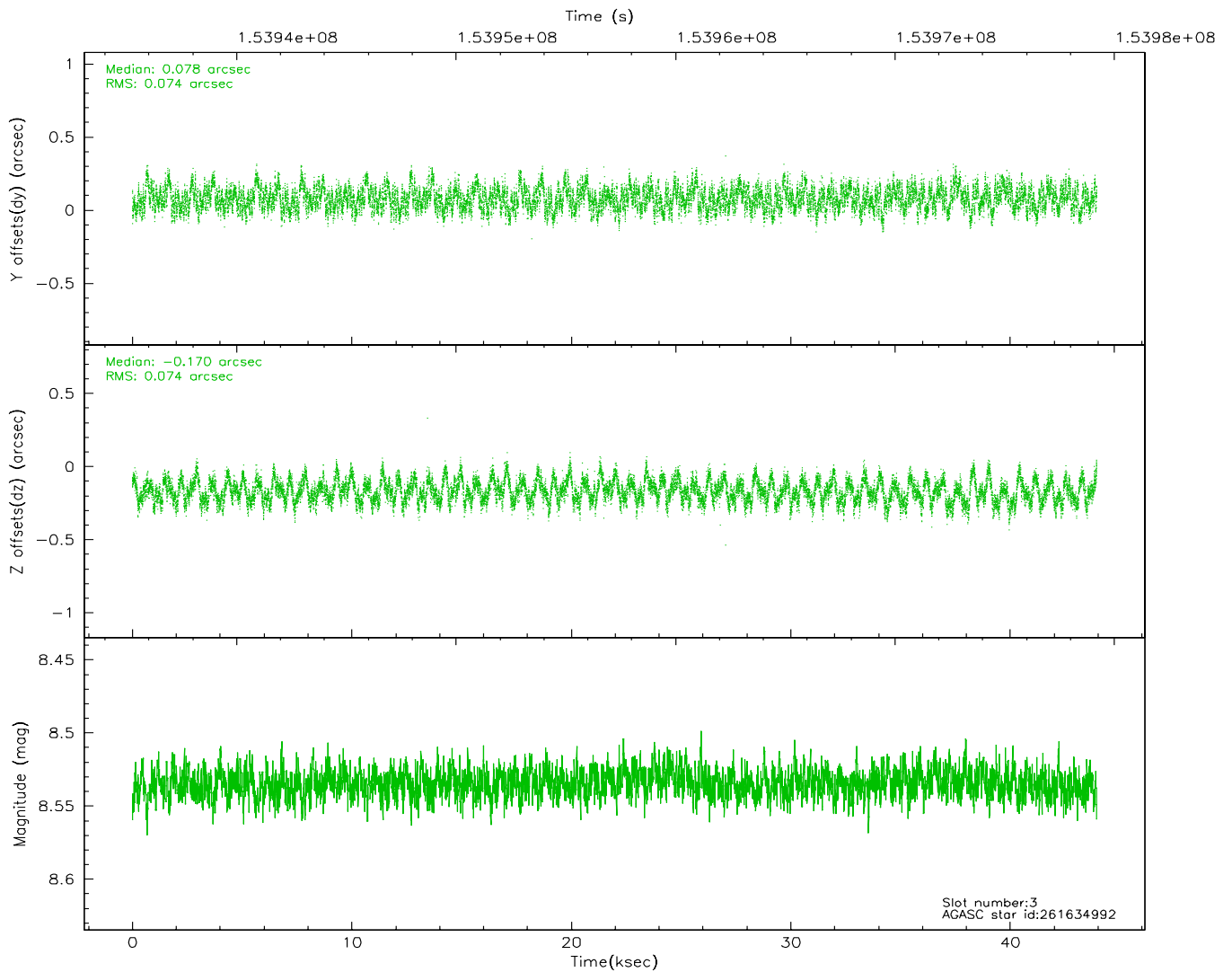
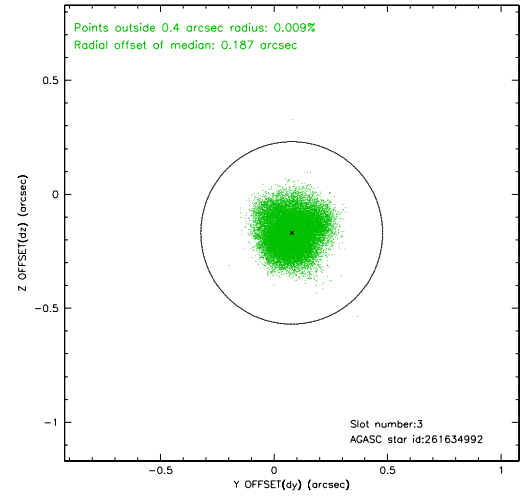
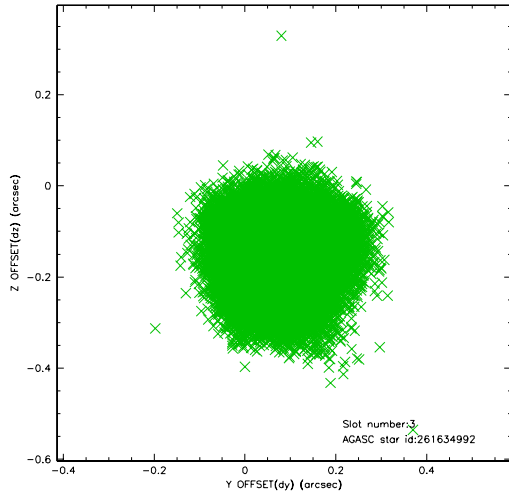


Slot Statistics

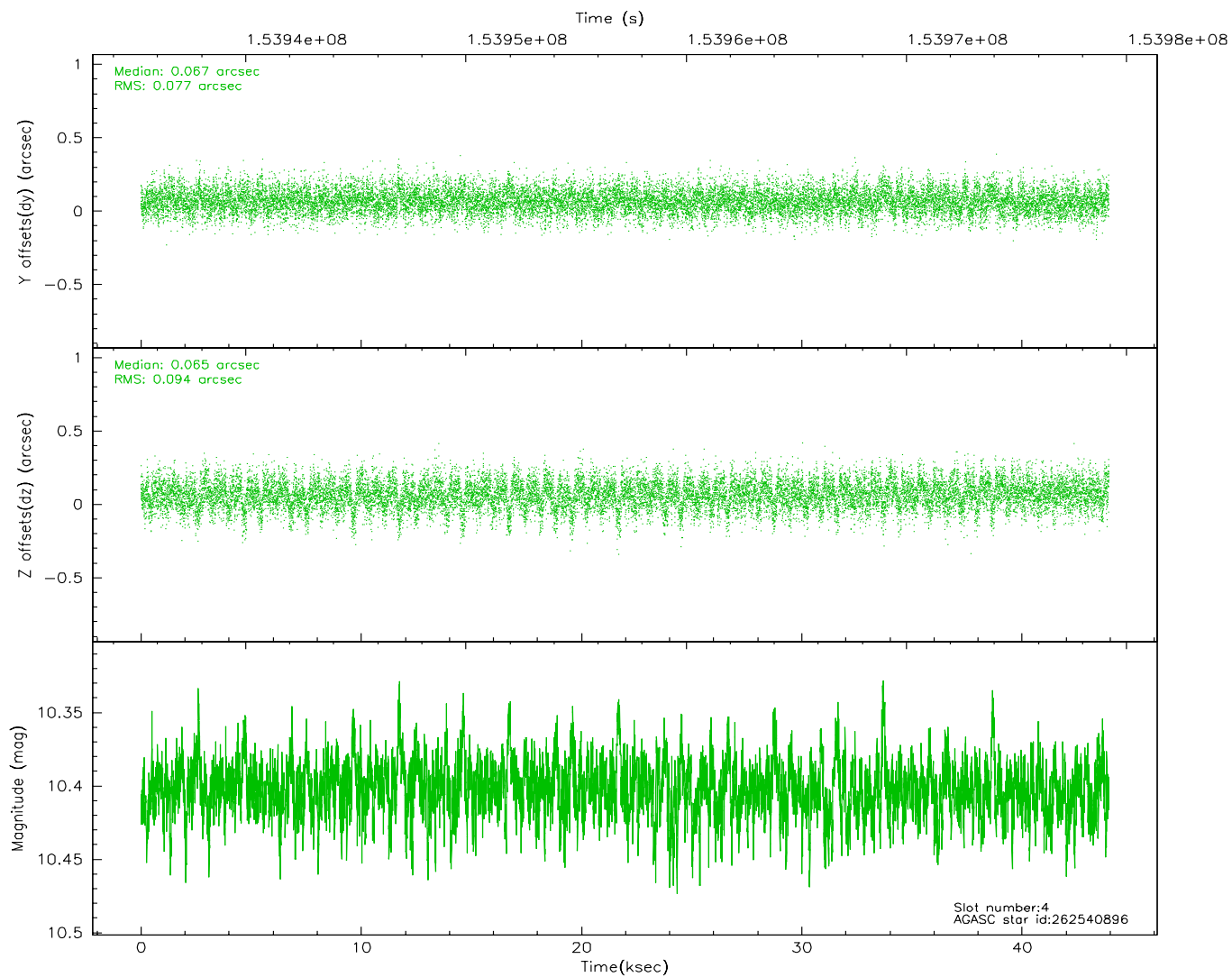
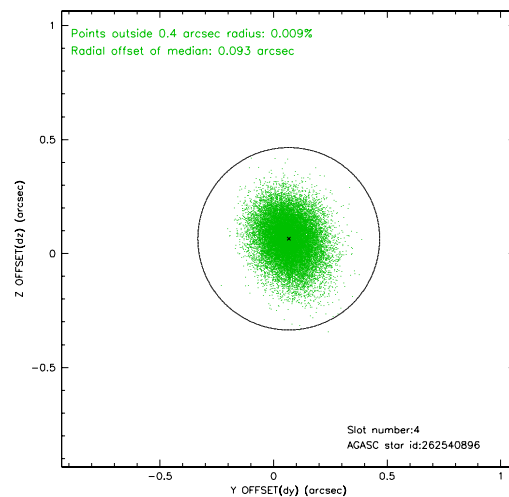
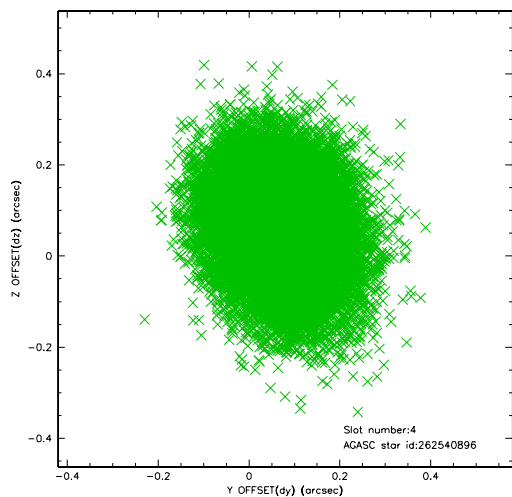
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	10717	-0.014	0.013	0.012	0.019	0.000000	0.000000	-754.94	-1729.93
1	FID	ACIS-S-4	7.20	10716	-0.046	0.004	0.018	0.028	0.000000	0.000000	2158.30	178.53
2	FID	ACIS-S-5	7.24	10717	0.032	-0.008	0.012	0.018	0.000000	0.000000	-1807.73	172.20
3	GUIDE	261634992	8.53	21432	0.078	-0.170	0.115	0.173	200.763863	29.074625	-2187.11	1709.31
4	GUIDE	262540896	10.40	21414	0.067	0.065	0.129	0.211	201.581459	28.629851	-1038.00	-1099.26
5	GUIDE	262543840	10.21	21410	-0.083	-0.181	0.200	0.331	201.181001	29.472362	-285.80	2097.51
6	GUIDE	262540176	9.85	21395	-0.027	0.135	0.137	0.228	201.603393	28.198584	-1887.70	-2400.54
7	GUIDE	262541520	9.87	21328	-0.044	0.147	0.151	0.245	202.020350	28.446195	-294.37	-2444.95

2.4 Star Slots

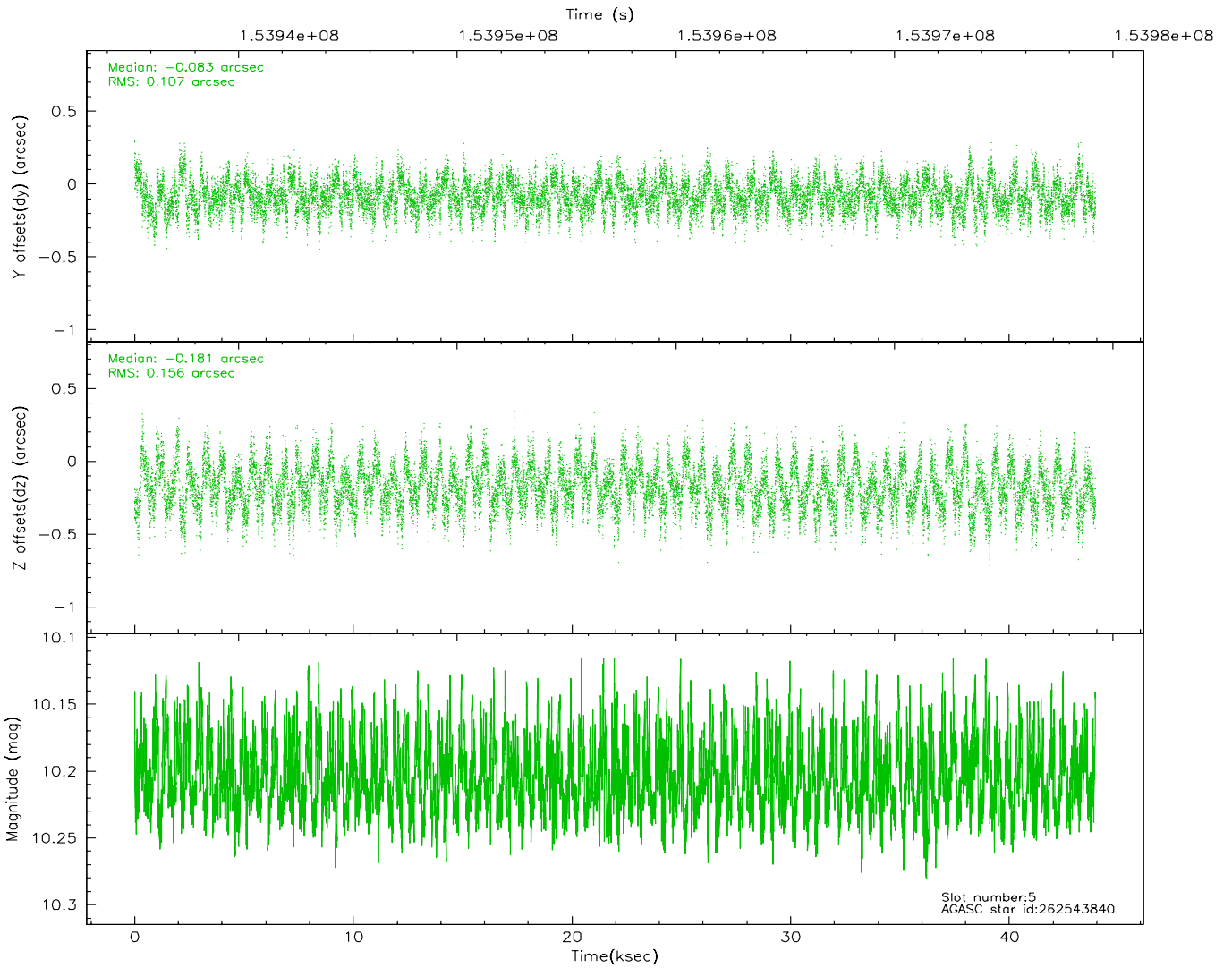
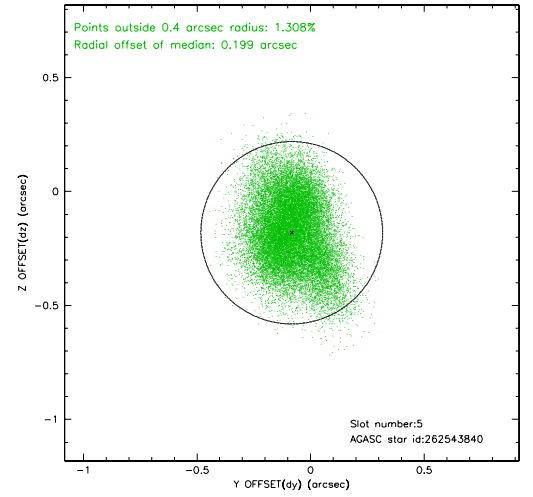
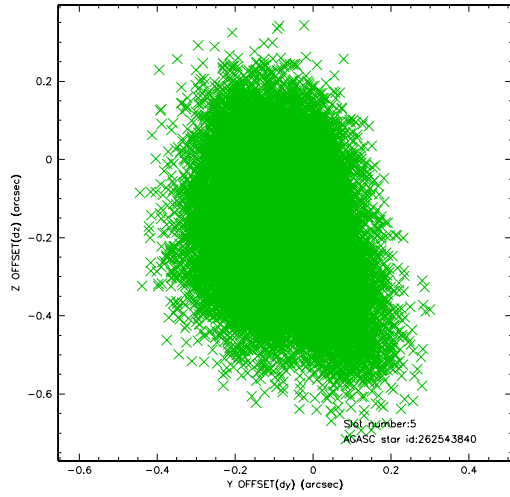
2.4.1 Slot 3



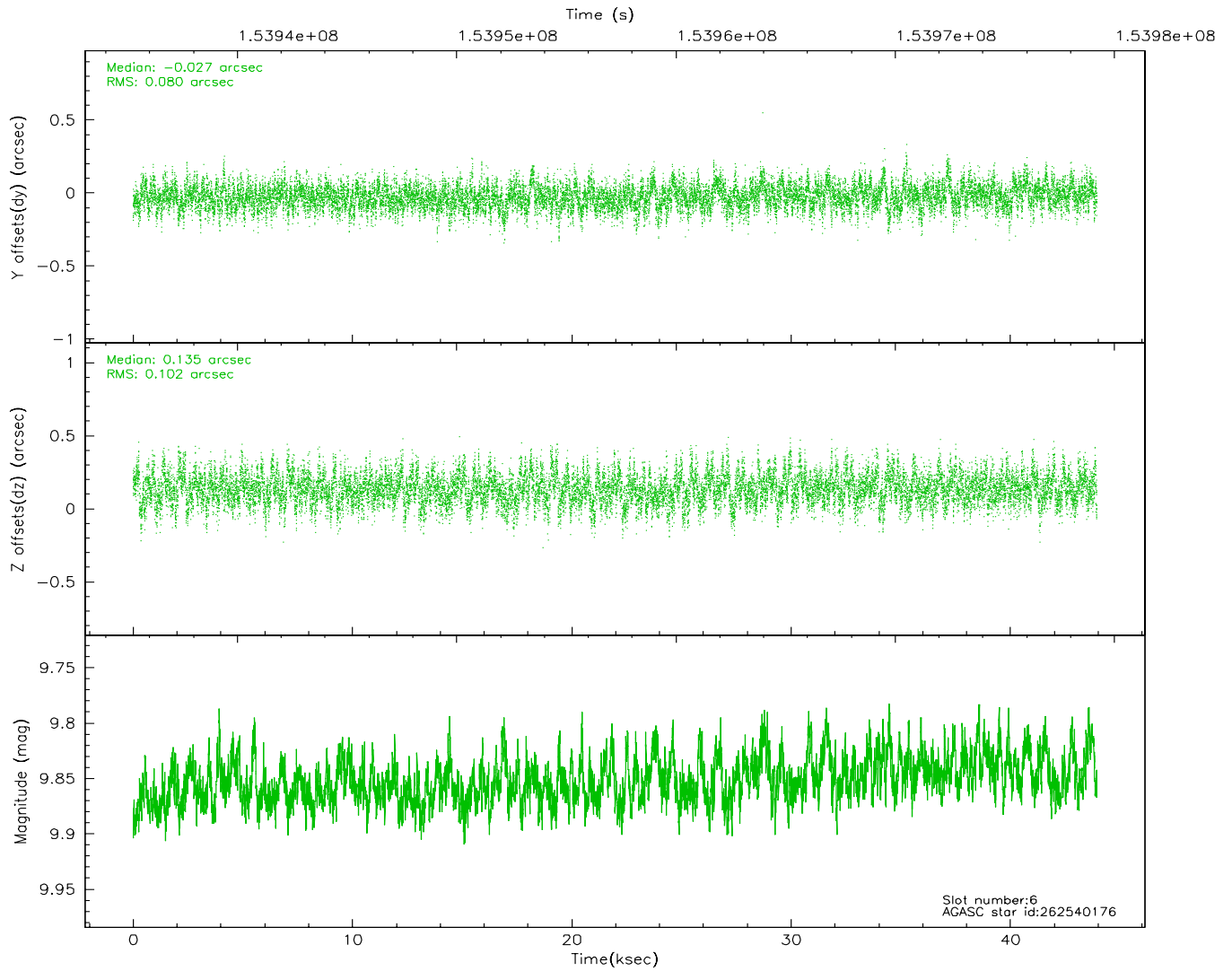
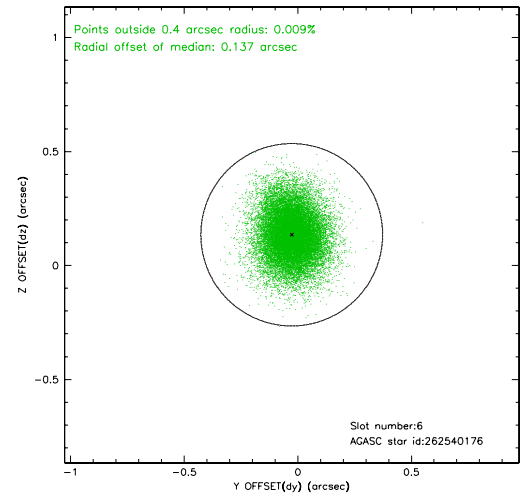
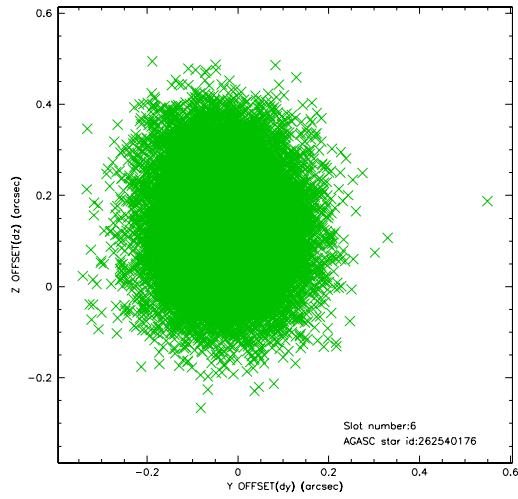
2.4.2 Slot 4



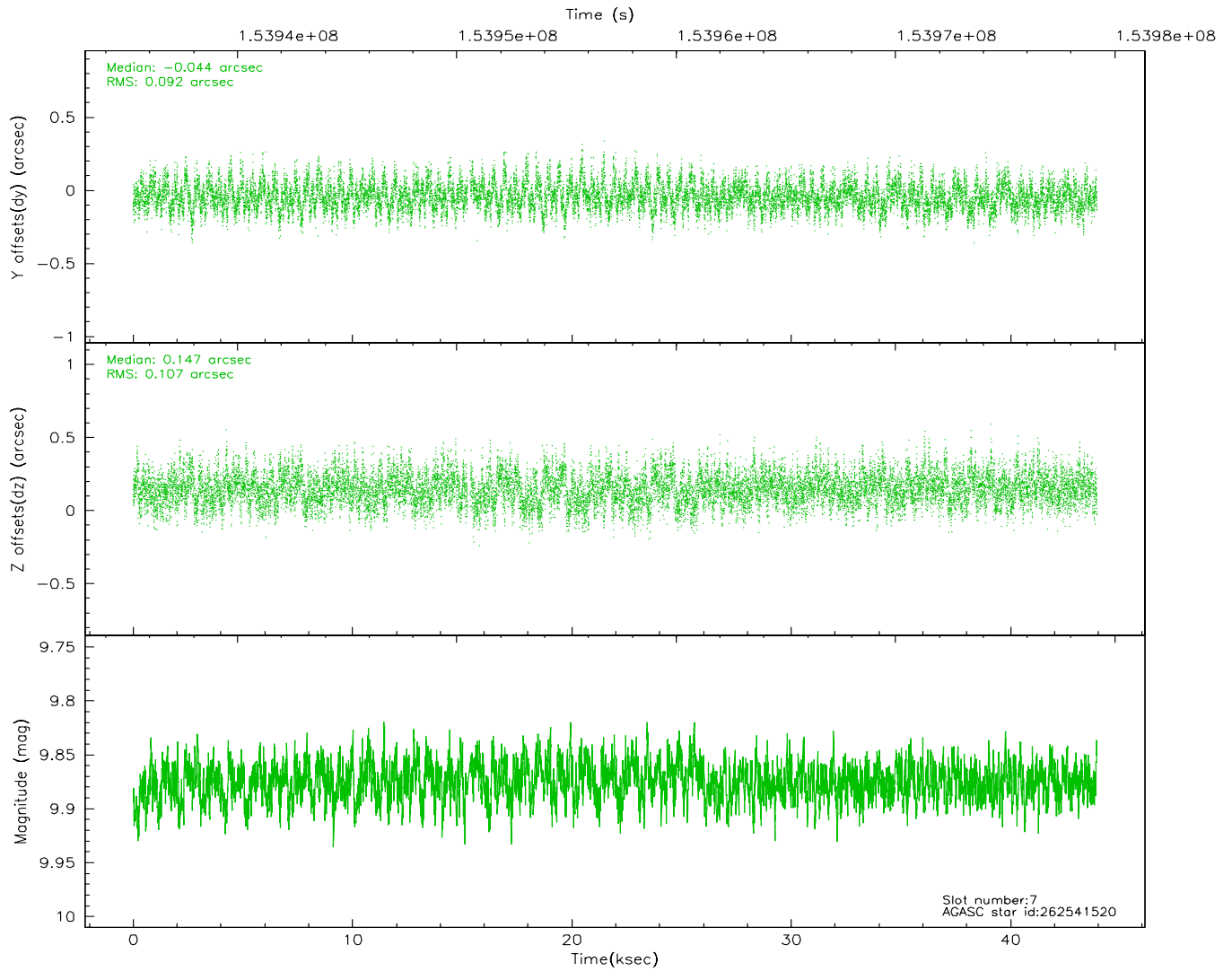
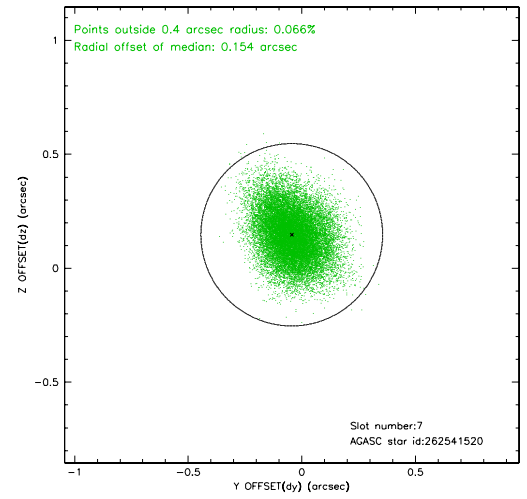
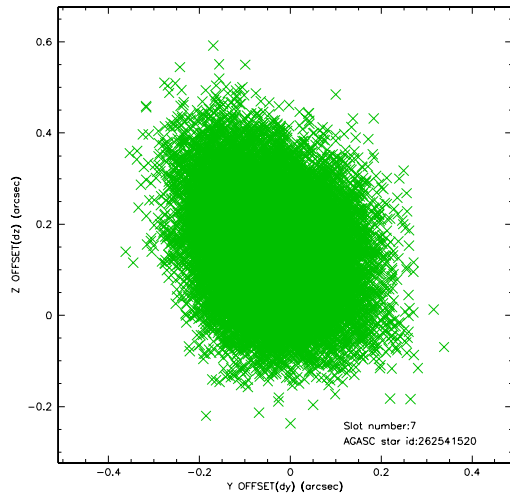
2.4.3 Slot 5



2.4.4 Slot 6

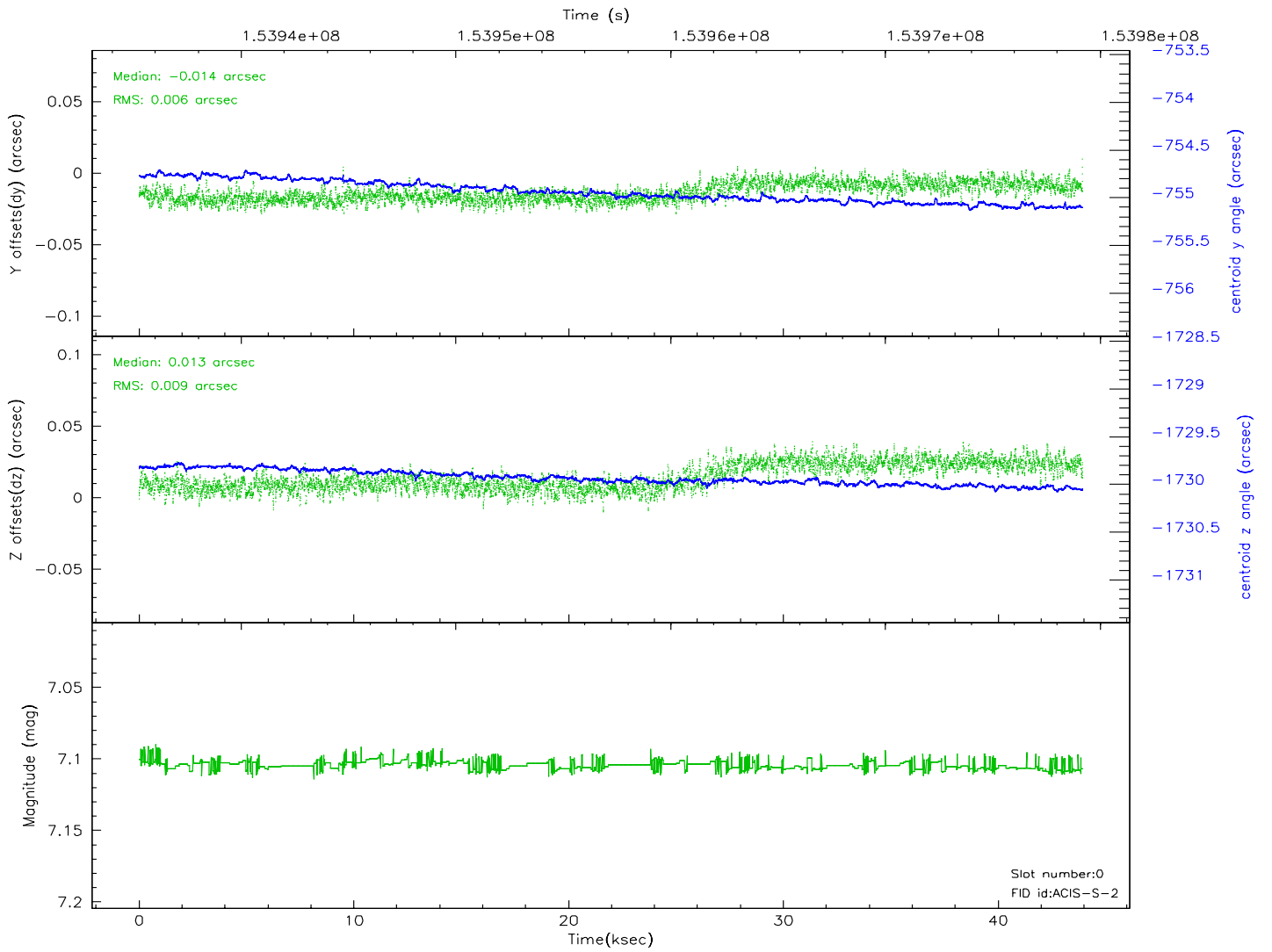
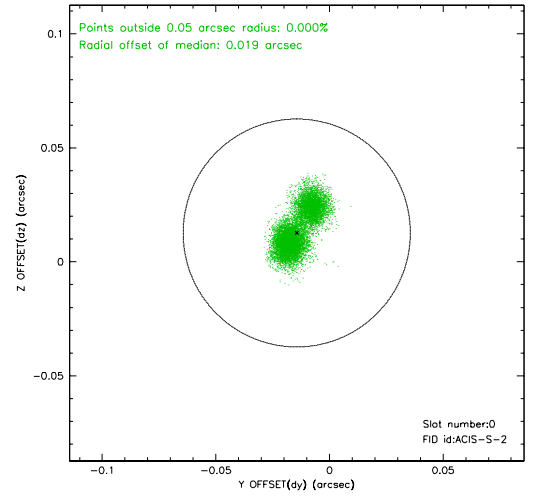
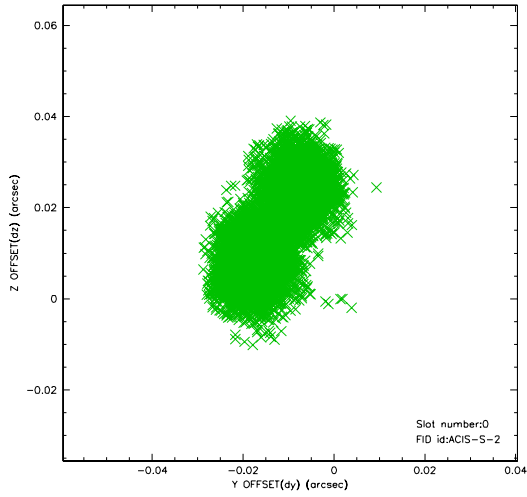


2.4.5 Slot 7

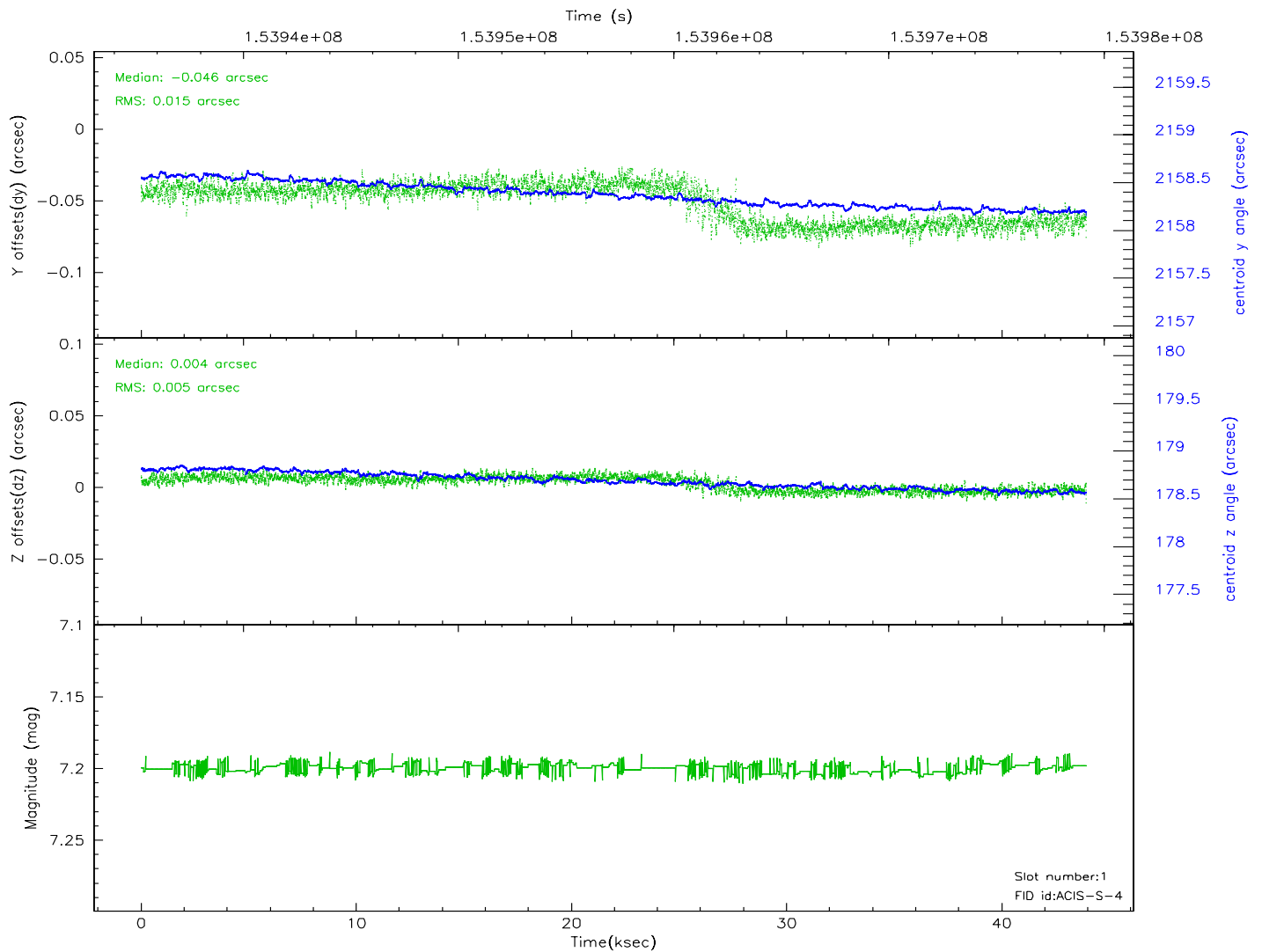
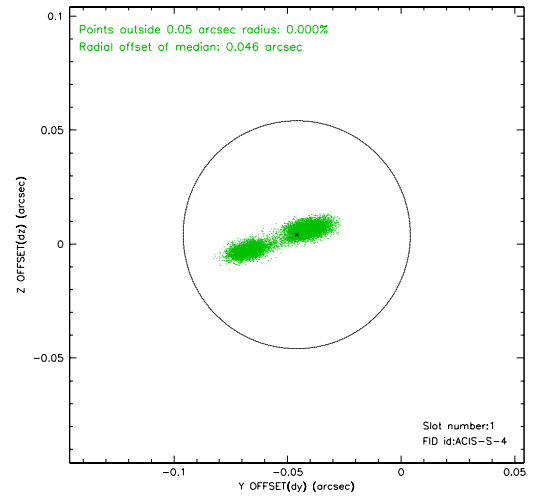
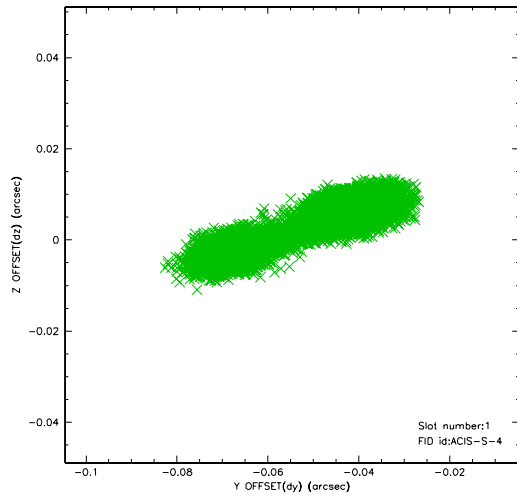


2.5 FID Slots

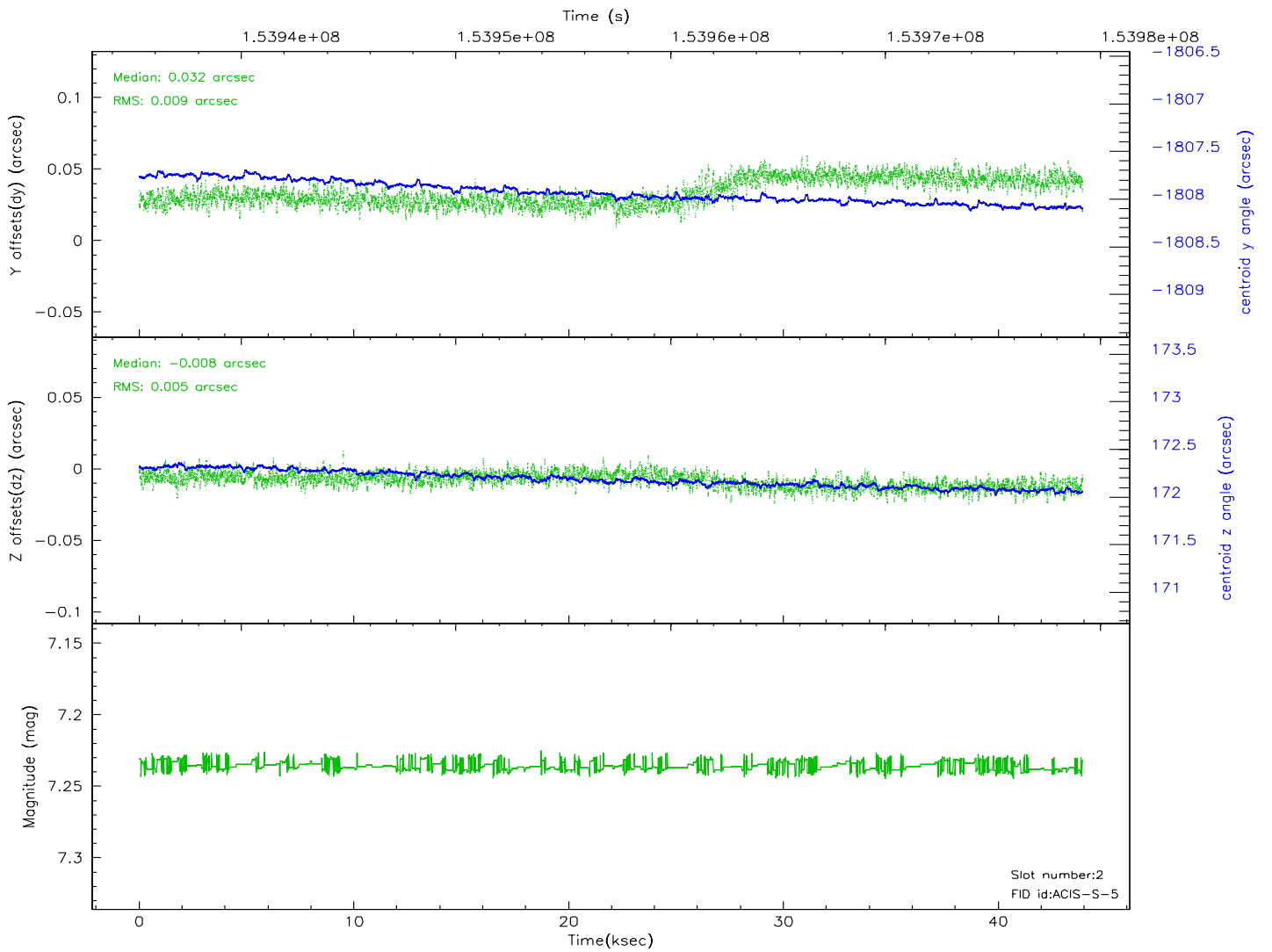
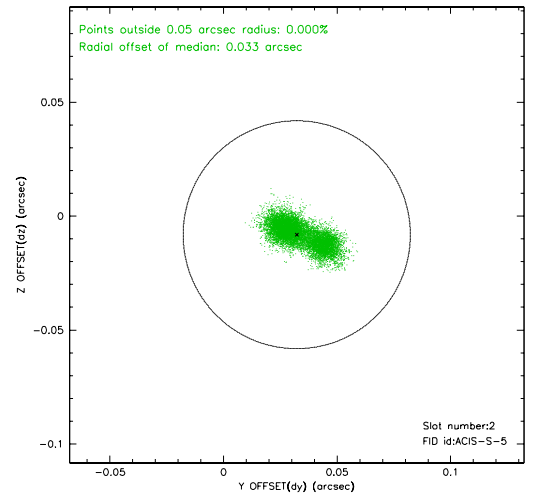
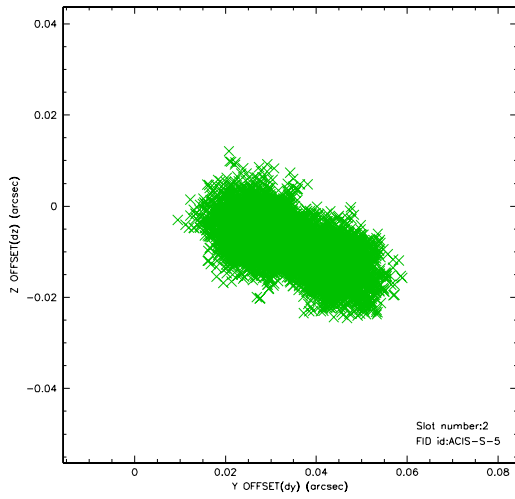
2.5.1 Slot 0



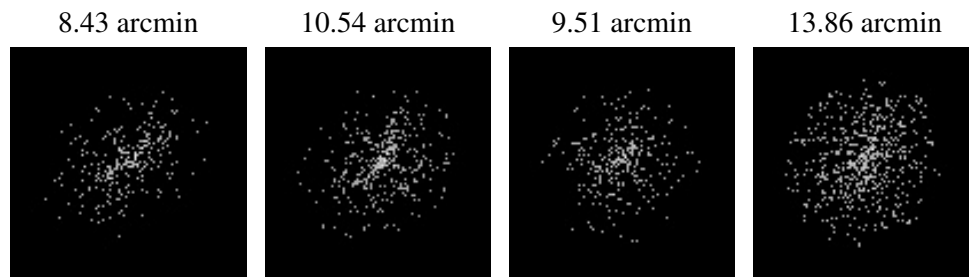
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.94

A.2 Comments

A spike in the count rate occurs about 12 ksec into the observation.

Also,

the count rate increases from 34 ksec into the observation to the end of the

observation, probably due to increased radiation environment.