

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4057 - L2 Version 001
Chandra X-Ray Center

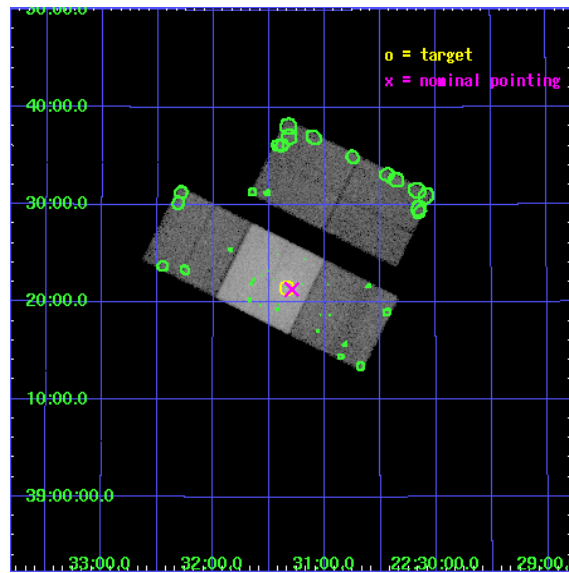
L2 Processing Date : Jul 4 2006

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1 Front

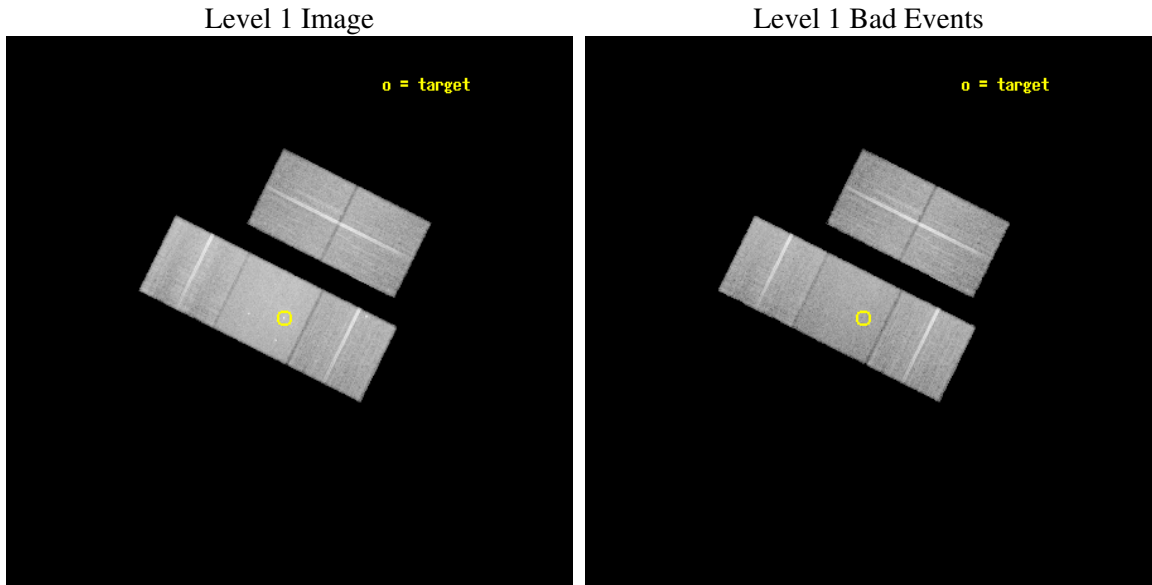
seq_num	700736
obs_id	4057
title	CHANDRA OBSERVATIONS OF A UNIFORM SAMPLE OF FRI GALAXIES
observer	Dr. Rita Sambruna
object	2229+39
dtcycle	0
cycle	P
ra_targ	337.835417
dec_targ	39.358333
ra_nom	337.82342163251
dec_nom	39.35562063054
roll_nom	206.43408720233
revision	2
ontime	29561.599943161
livetime	29175.35587697
ontime2	29561.599943161
ontime3	29558.458943039
ontime6	29561.599943161
ontime7	29561.599943161
ontime8	29558.459052563
l2events	210032



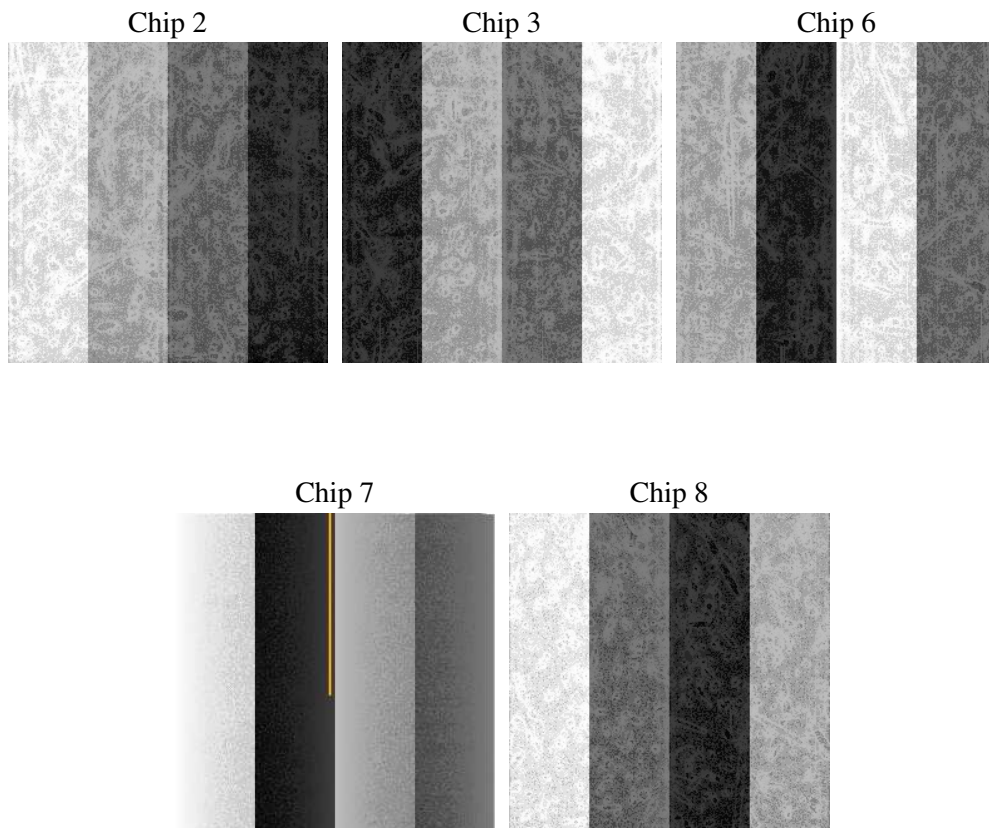
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-04T10:32:30
revision	2

sched_exp_time	29460.000000
ontime	29566.320958376
ontime2	29569.461978436
ontime3	29563.179958254
ontime6	29566.320958376
ontime7	29566.320958376
ontime8	29566.321087837
l1events	1111798

2.1.4 Events

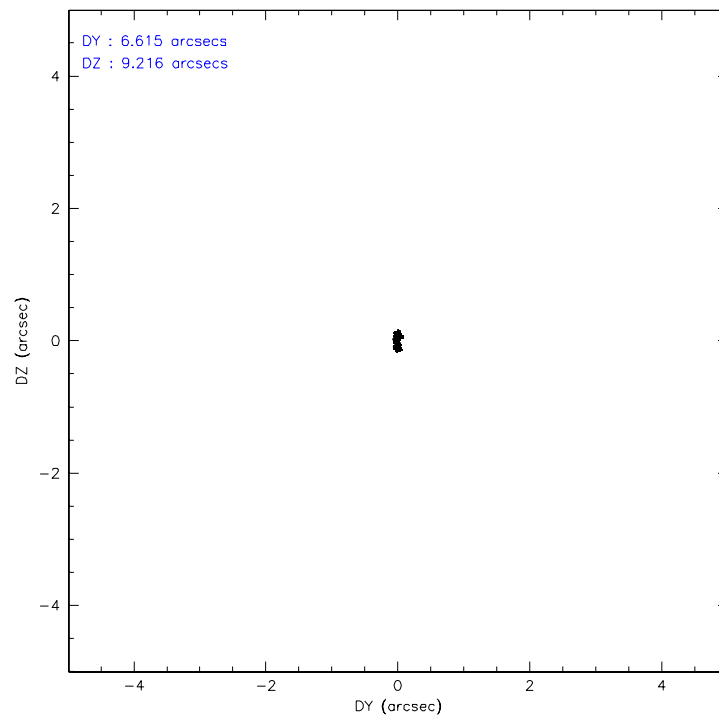
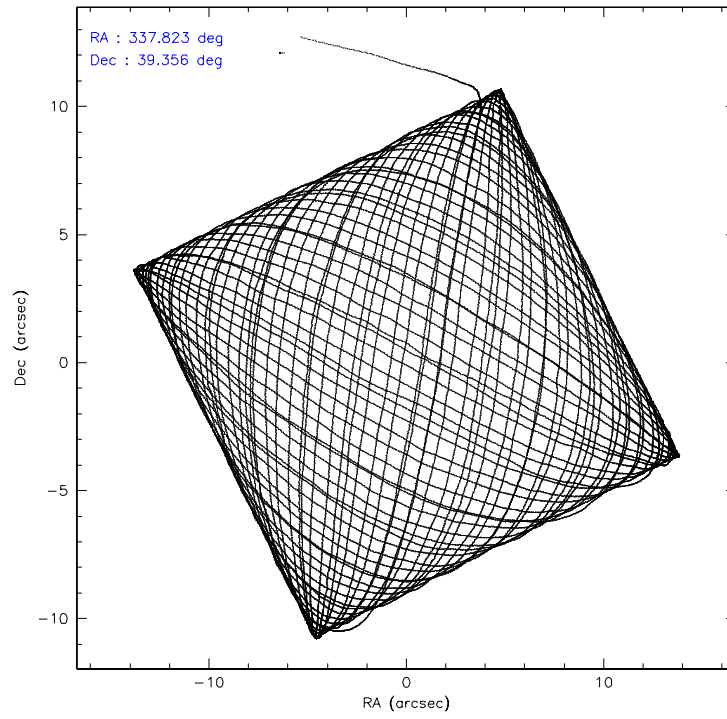
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	193021	186514	207278	273491	251494
rejected events	168808	162090	177028	156759	192946
rejected %	87%	86%	85%	57%	76%

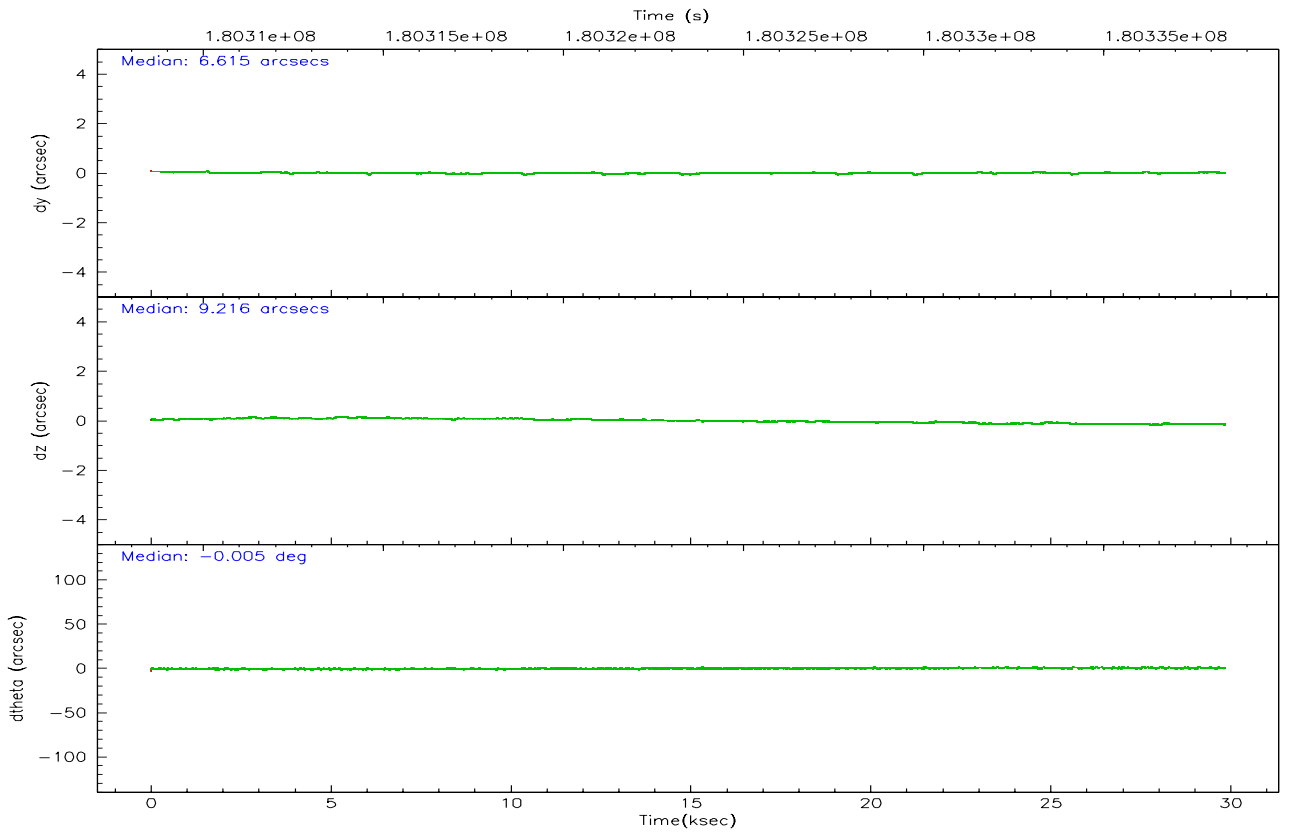
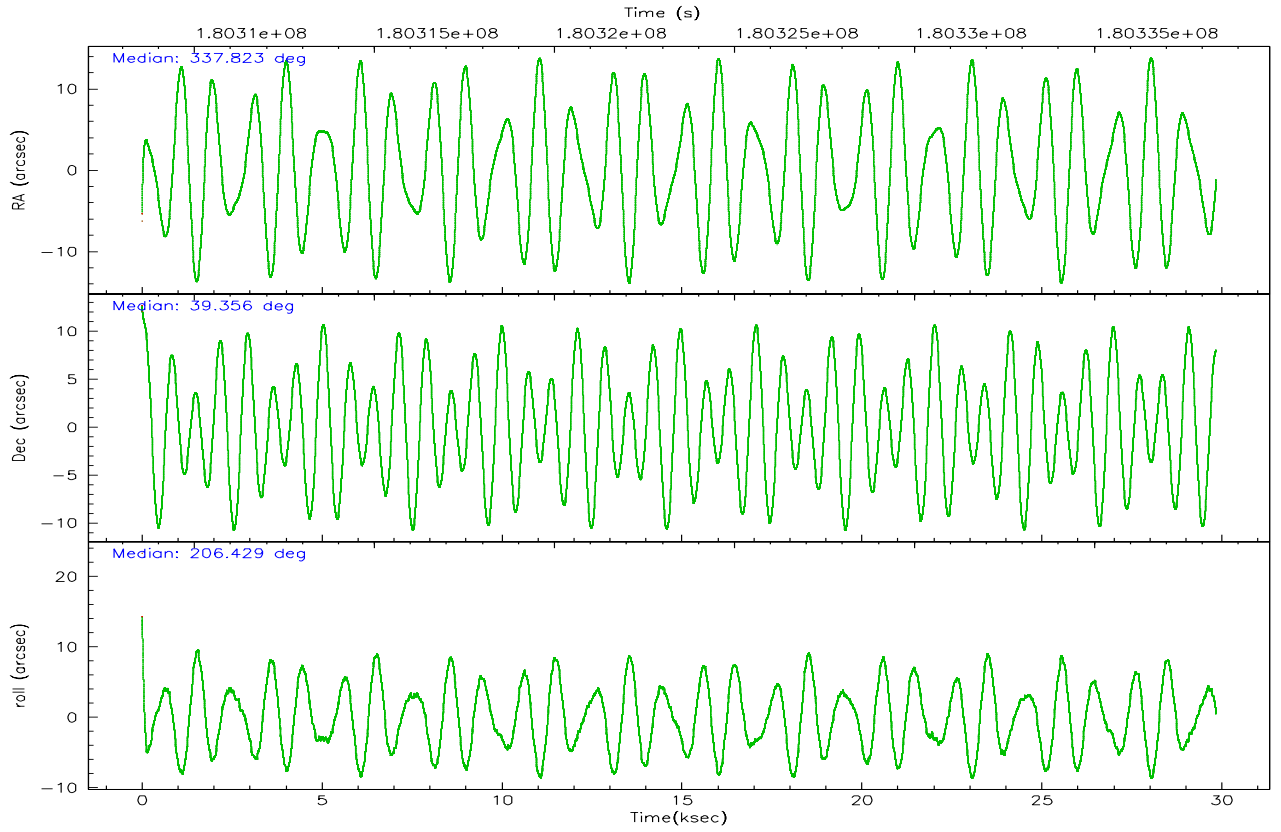
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	11234	11203	14619	10133	20876
	5%	6%	7%	3%	8%
grade 1 events	98	108	105	149	175
	0%	0%	0%	0%	0%
grade 2 events	4946	4846	6223	28824	11474
	2%	2%	3%	10%	4%
grade 3 events	2149	2203	2342	6713	6648
	1%	1%	1%	2%	2%
grade 4 events	2102	2132	2269	6444	6045
	1%	1%	1%	2%	2%
grade 5 events	6879	7907	8426	15902	10967
	3%	4%	4%	5%	4%
grade 6 events	3793	4046	4808	64638	13530
	1%	2%	2%	23%	5%
grade 7 events	161820	154069	168486	140688	181779
	83%	82%	81%	51%	72%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	337.842498	337.8234216325122	Alternating exposures requested	N	N
Pointing Dec	39.378497	39.35562063054009	Primary exposure time	0.000000	3.1
Pointing Roll	206.265359	206.4340872023307			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	180308928.184000	180307857.20926			
Observation start date	2003-09-18T21:47:44	2003-09-18T21:30:57			
Observation end time	180338388.184000	180339403.12311			
Observation end date	2003-09-19T05:58:44	2003-09-19T06:16:43			
Read mode	TIMED	TIMED			

2.3 Aspect



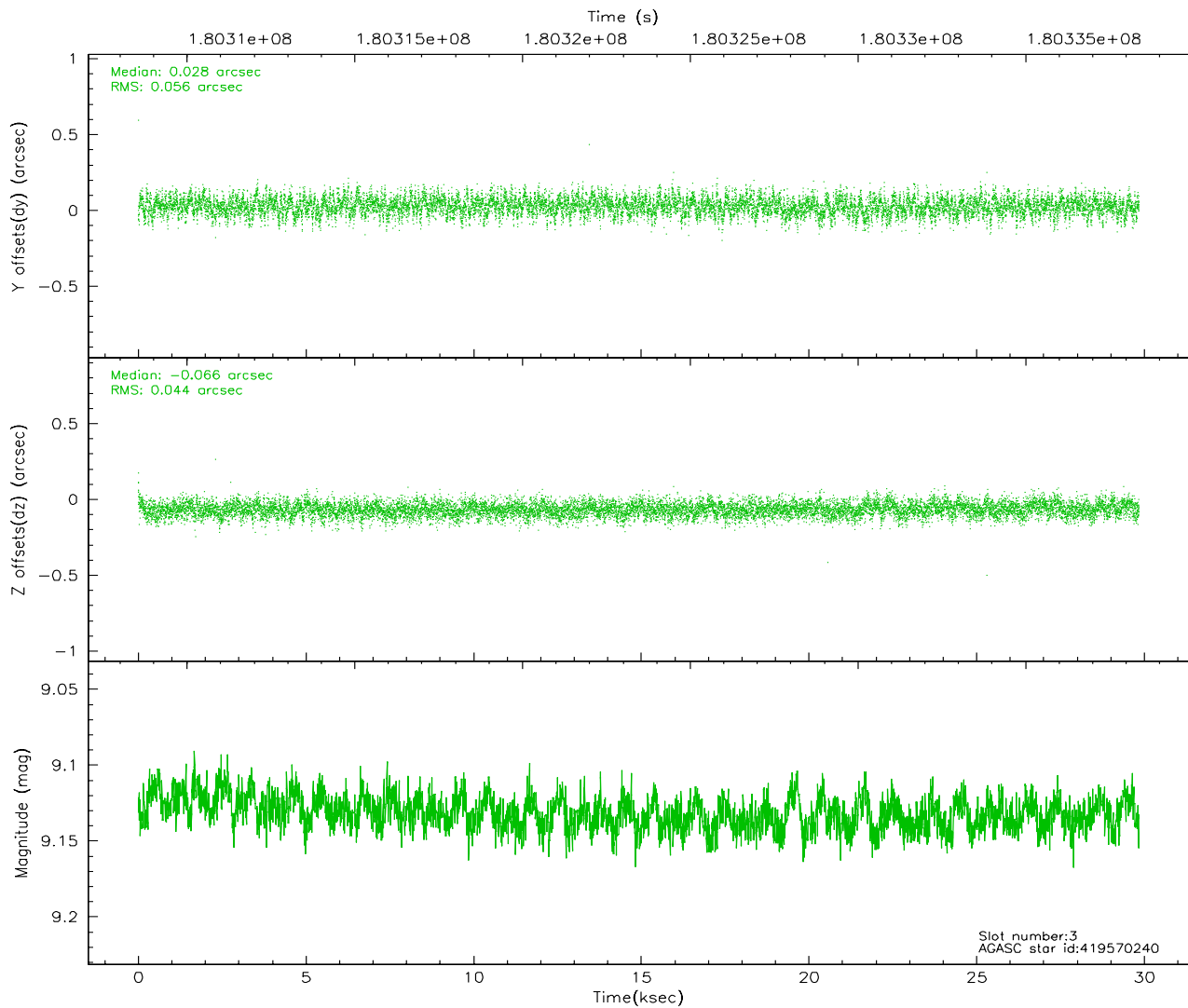
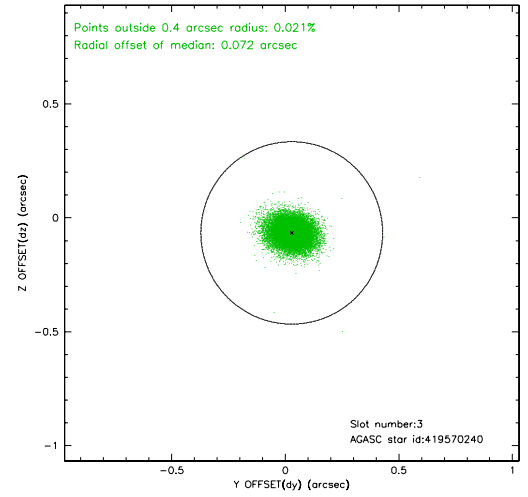
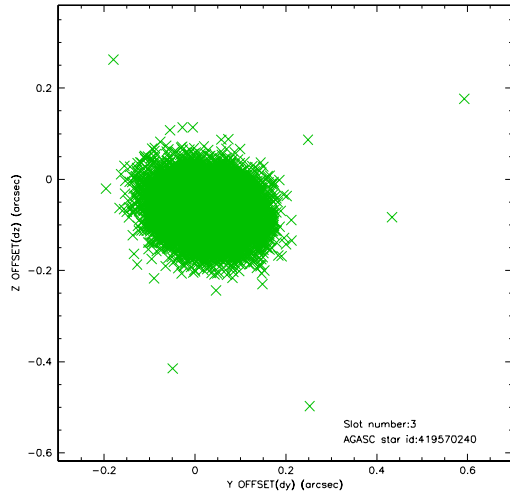


Slot Statistics

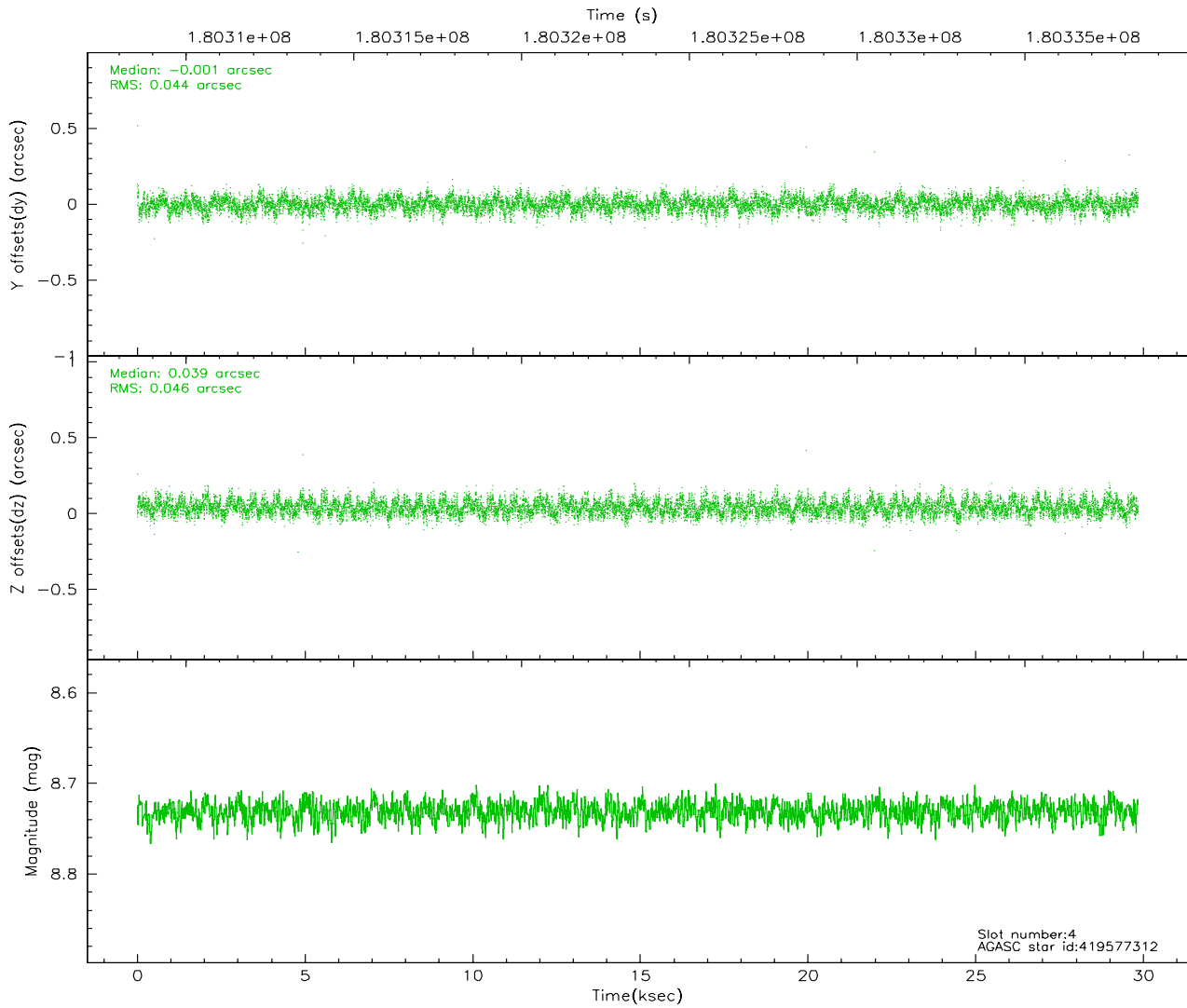
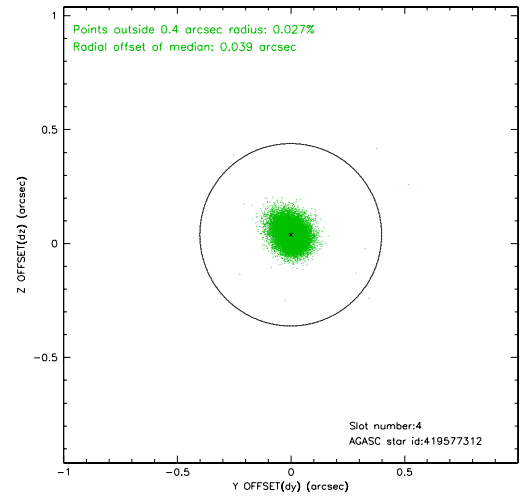
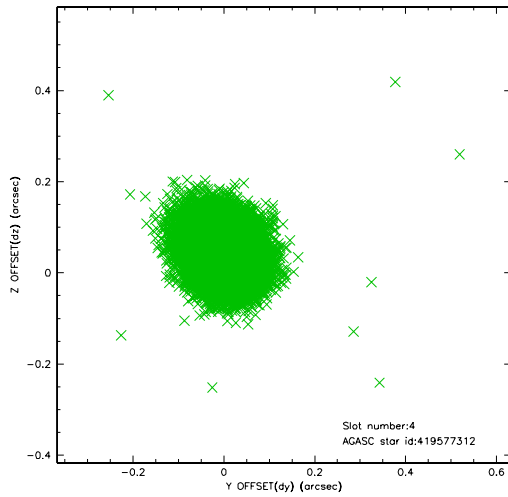
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.20	7280	0.026	0.015	0.006	0.009	0.000000	0.000000	2154.01	178.24
1	FID	ACIS-S-5	7.24	7280	-0.040	0.016	0.005	0.009	0.000000	0.000000	-1812.14	171.72
2	FID	ACIS-S-6	7.35	7280	-0.015	-0.017	0.007	0.012	0.000000	0.000000	402.15	815.43
3	GUIDE	419570240	9.13	14557	0.028	-0.066	0.075	0.122	338.530340	39.335532	-1652.02	979.86
4	GUIDE	419577312	8.73	14556	-0.001	0.039	0.068	0.109	337.563930	38.684547	1807.09	1893.47
5	GUIDE	419957728	7.70	14559	-0.004	-0.032	0.063	0.114	336.771419	39.671910	2186.93	-2275.93
6	GUIDE	420094560	9.14	14558	-0.014	0.041	0.091	0.147	337.686434	40.003943	-610.16	-2209.48
7	GUIDE	420100064	8.68	14556	-0.011	0.024	0.069	0.112	338.032410	39.798939	-1140.73	-1125.26

2.4 Star Slots

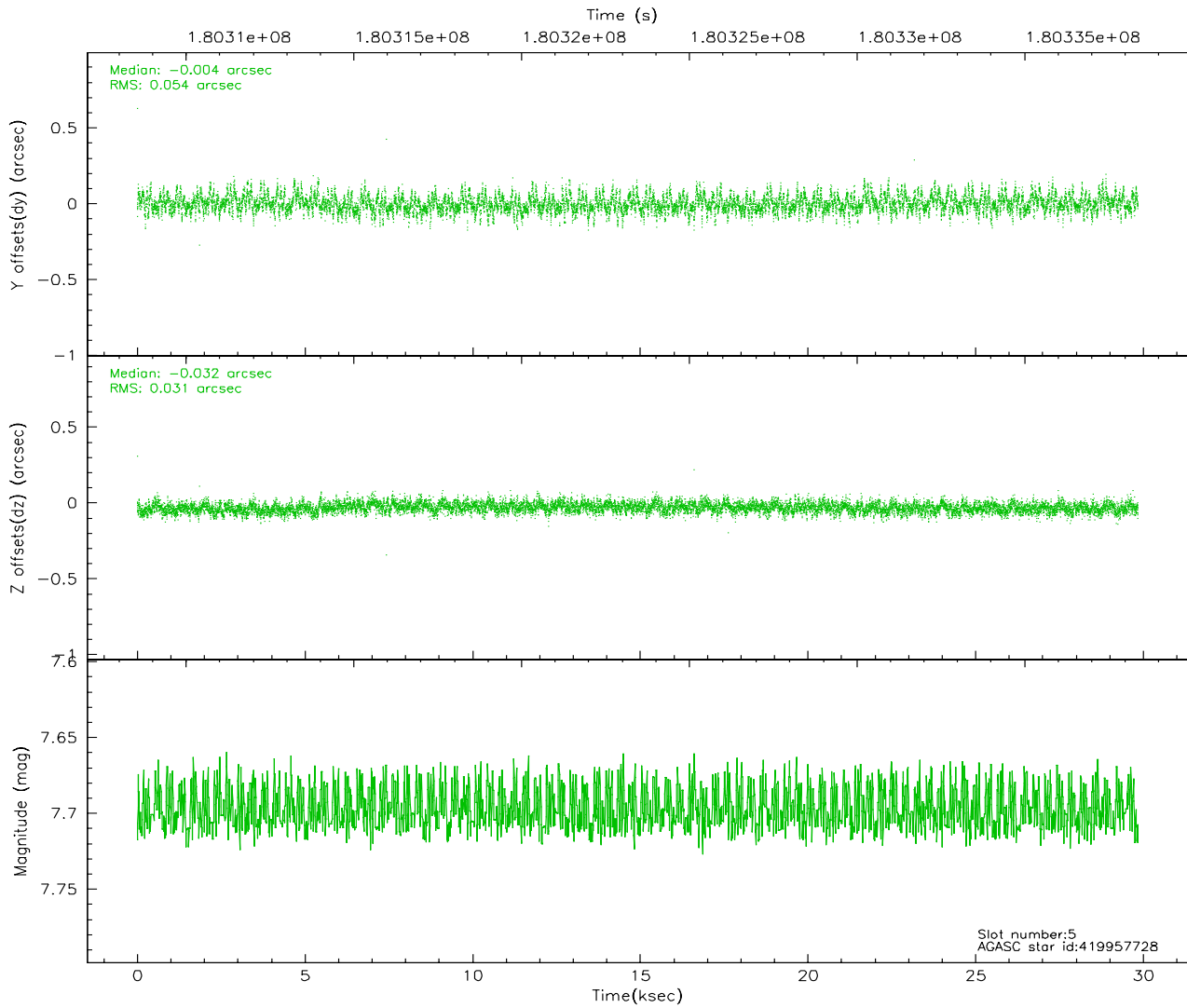
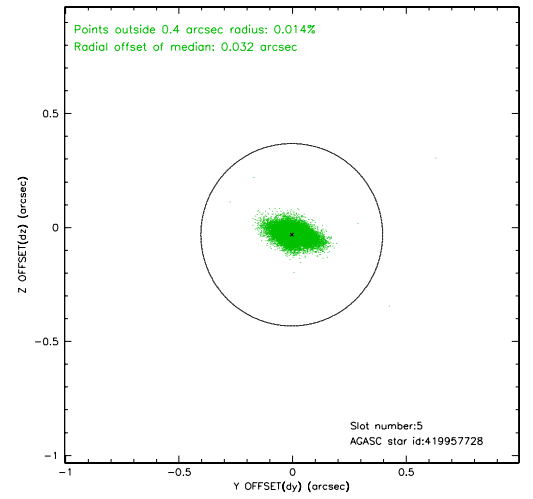
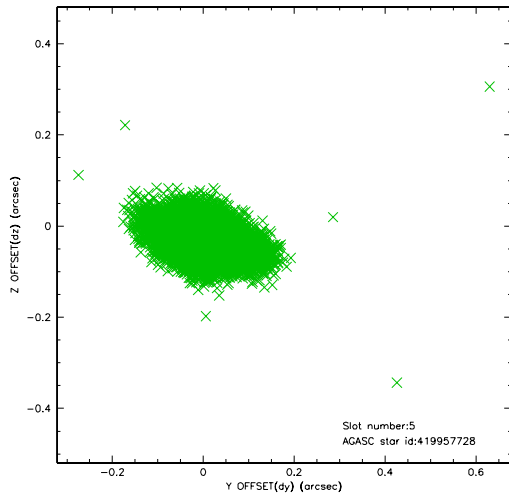
2.4.1 Slot 3



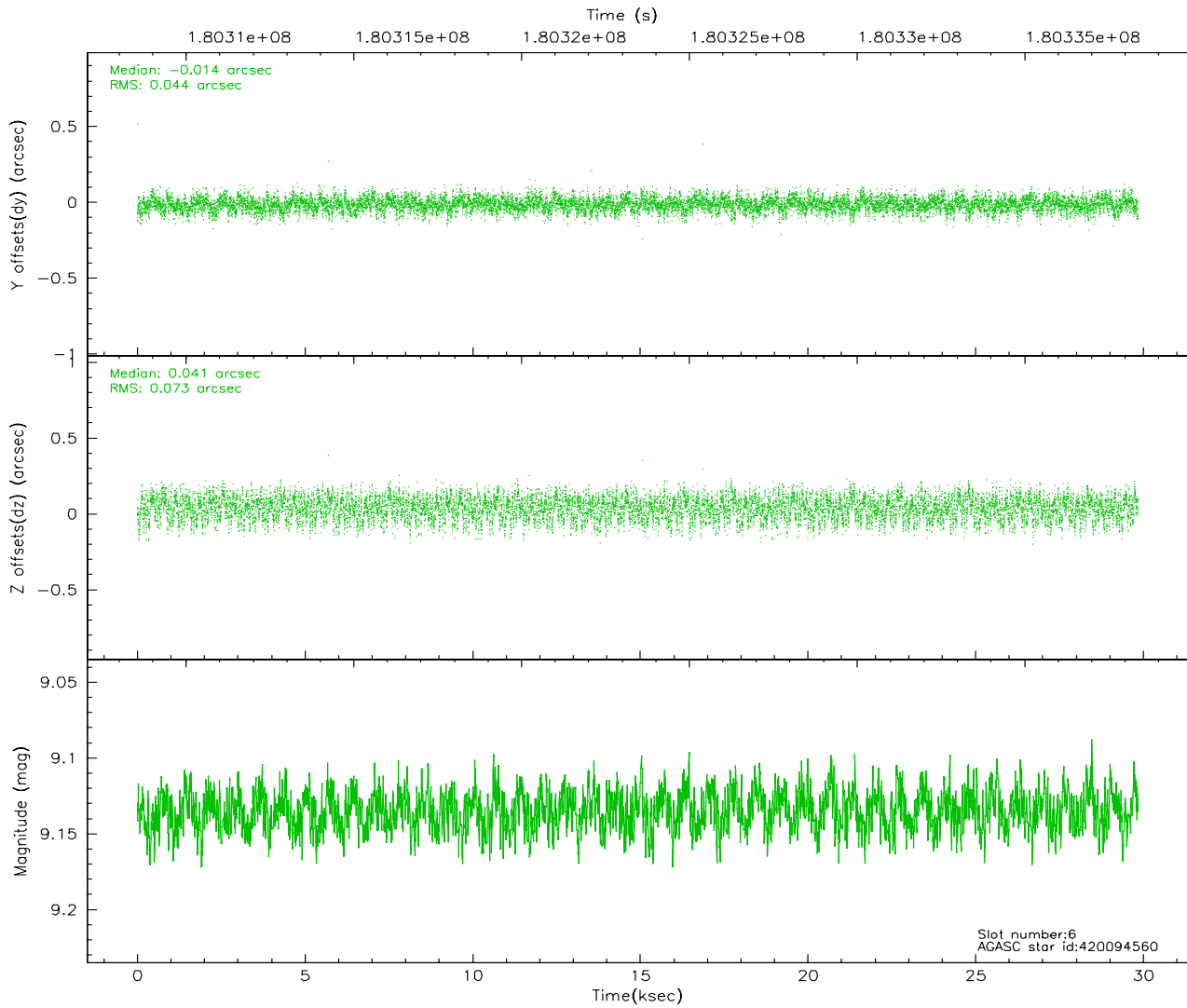
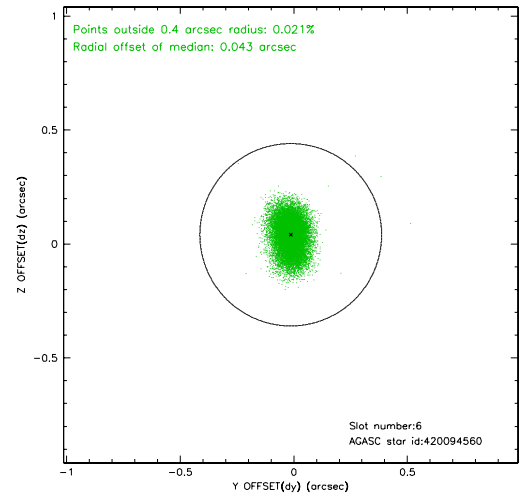
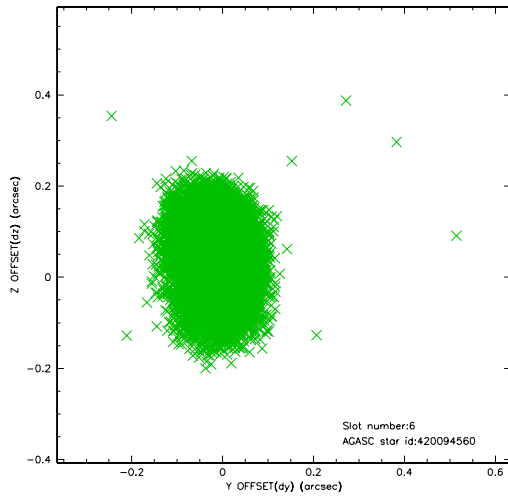
2.4.2 Slot 4



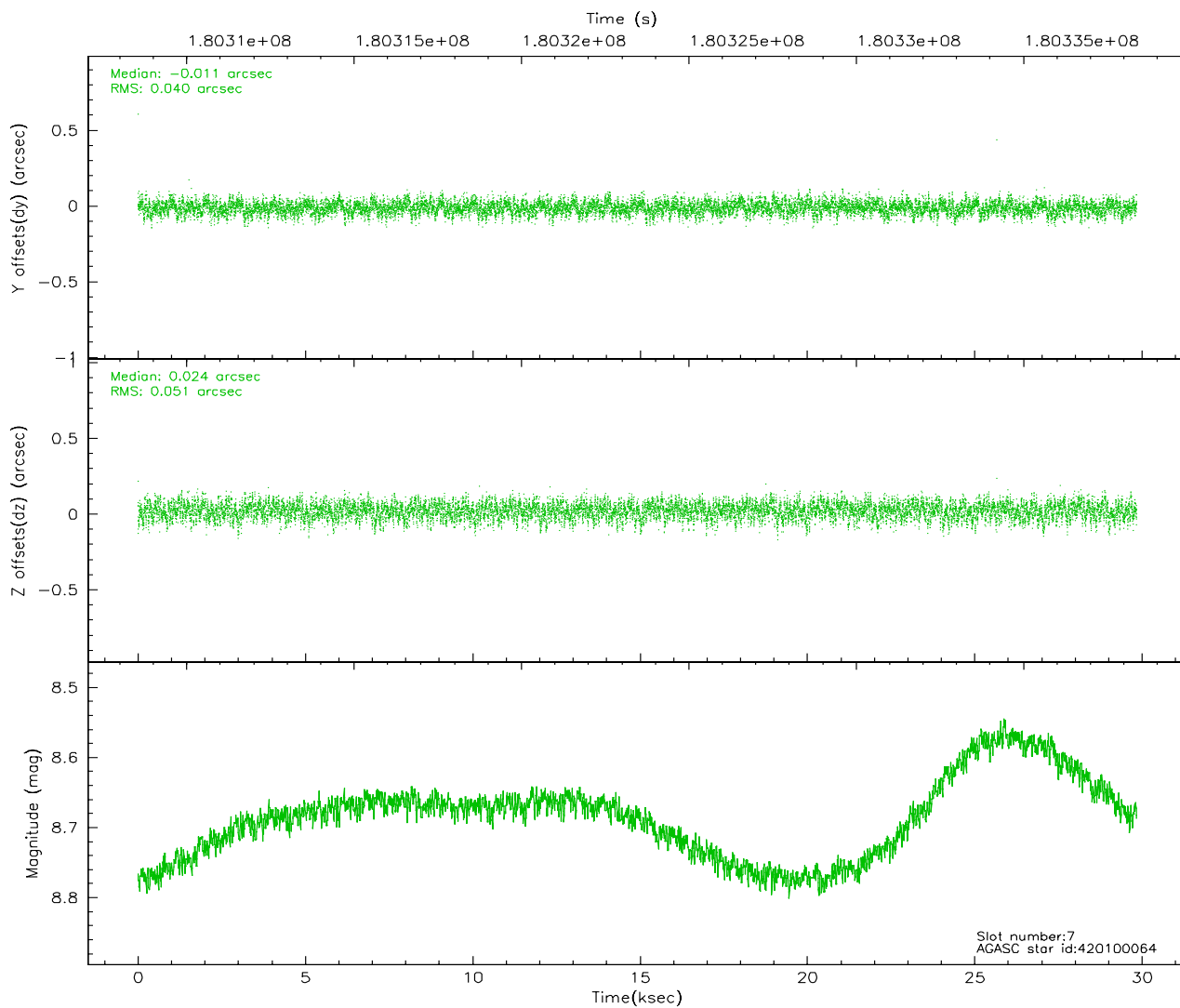
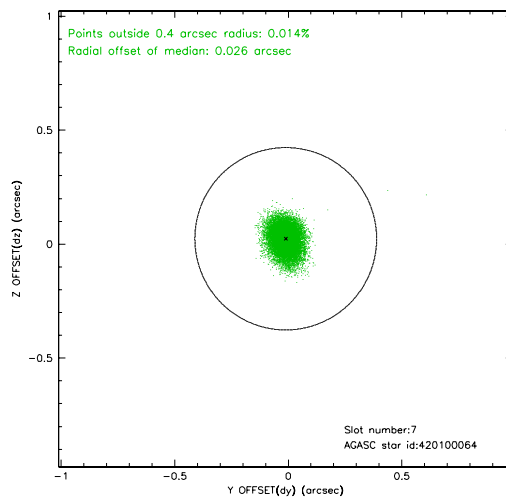
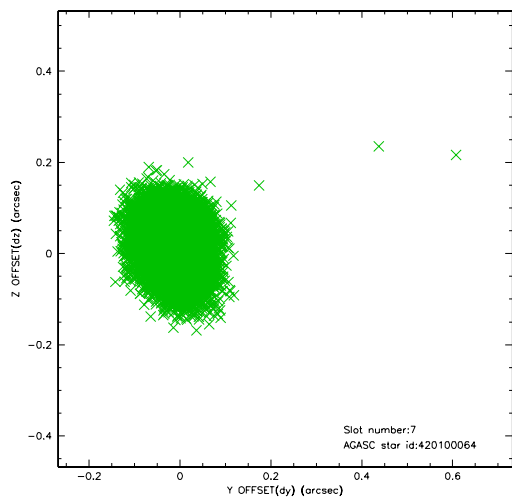
2.4.3 Slot 5



2.4.4 Slot 6

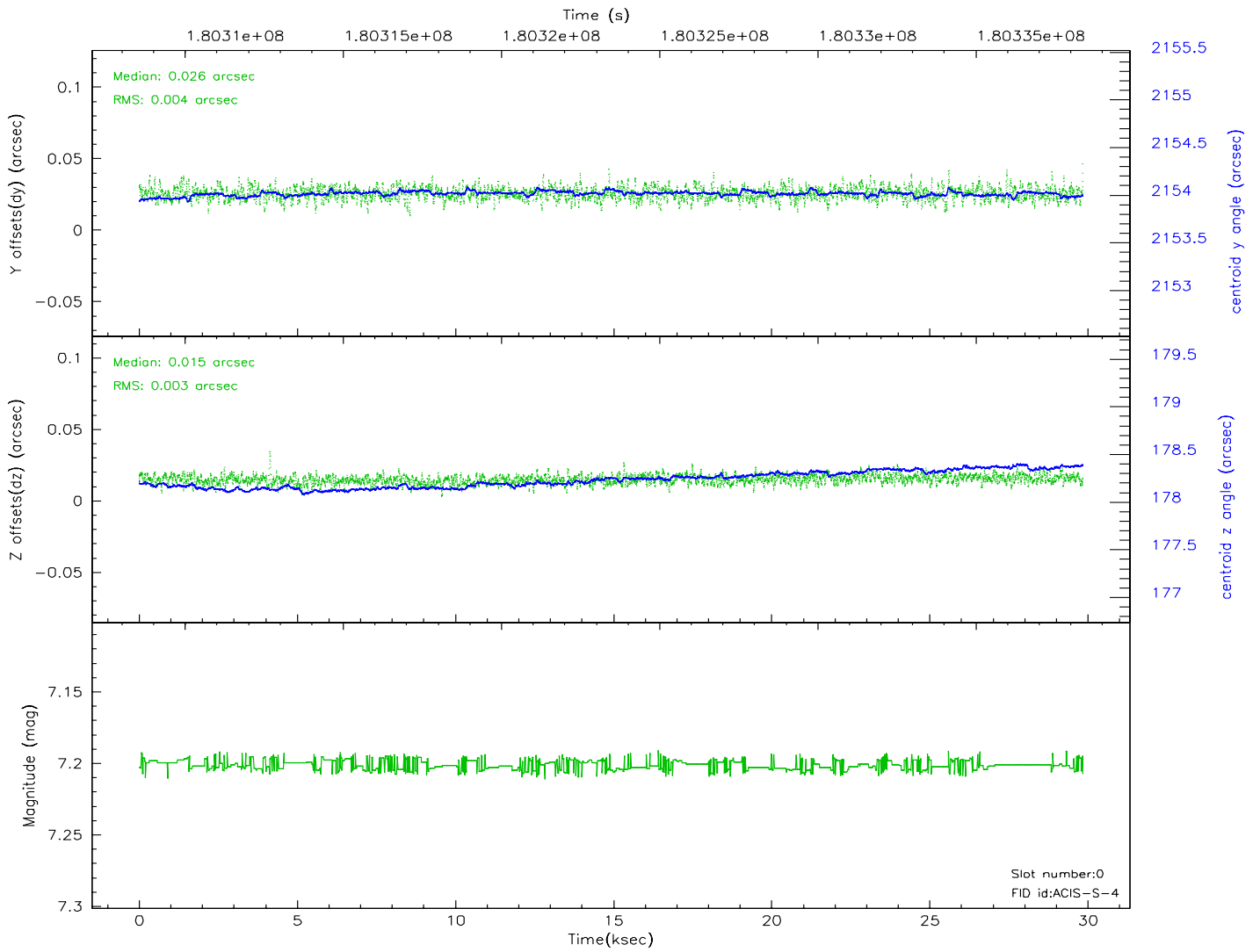
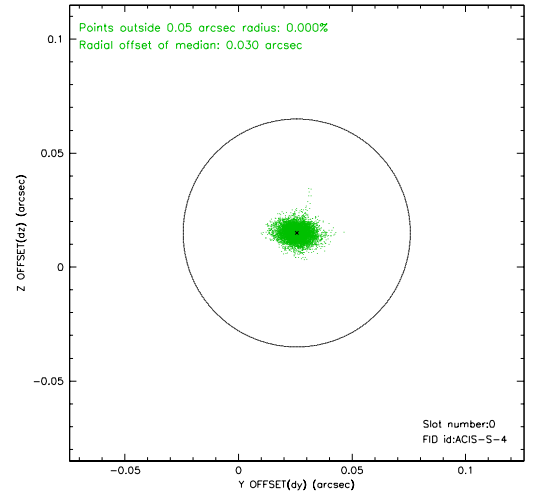
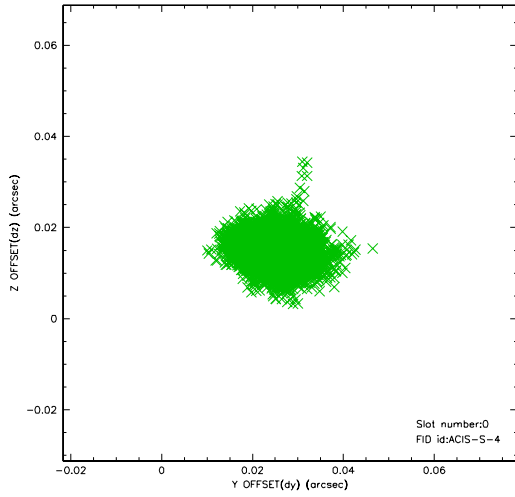


2.4.5 Slot 7

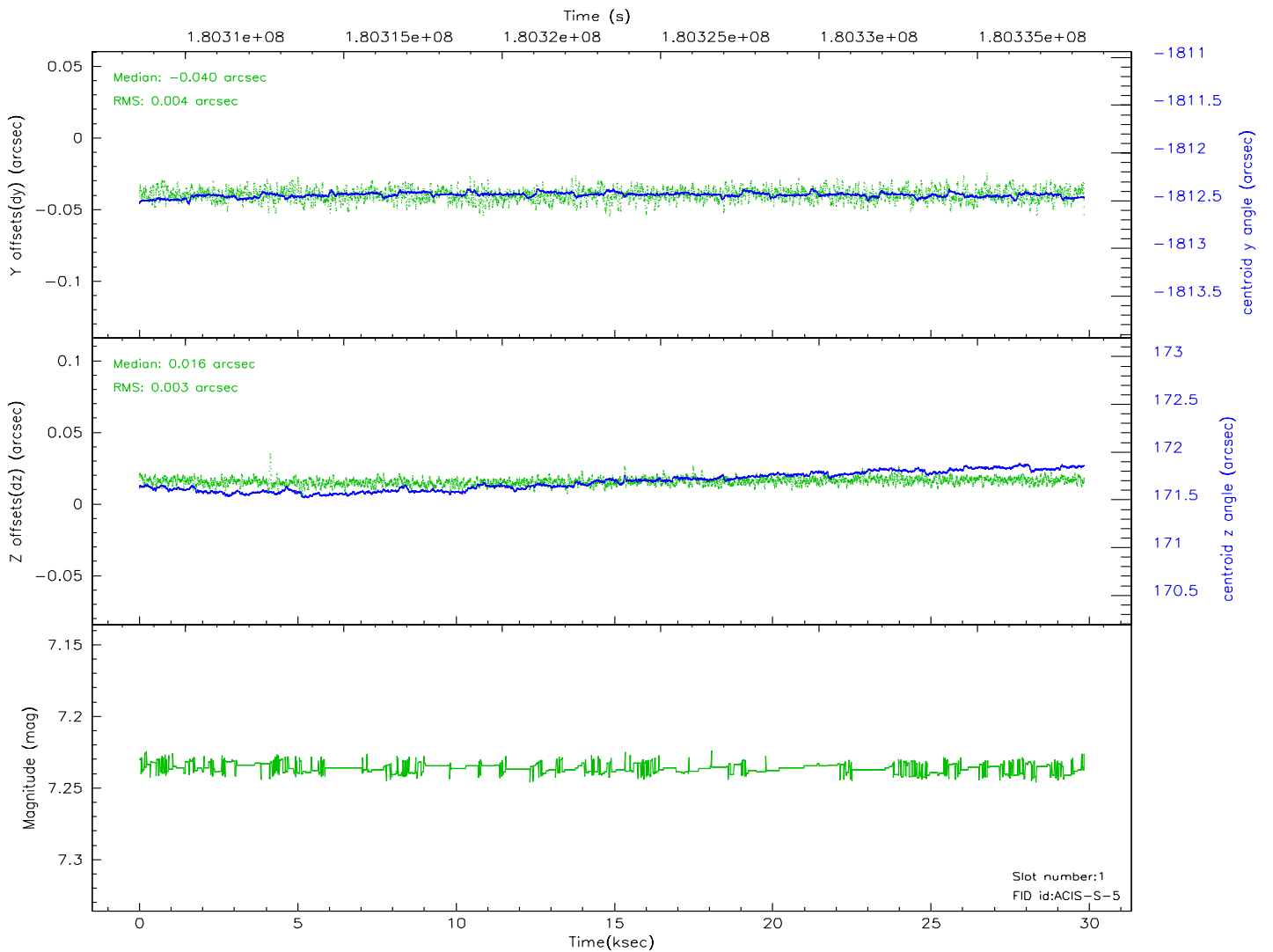
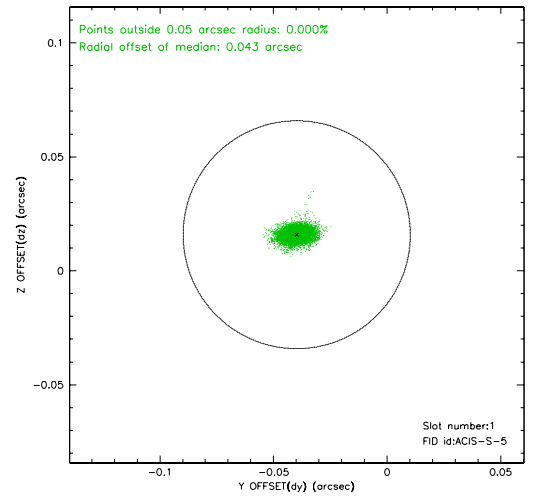
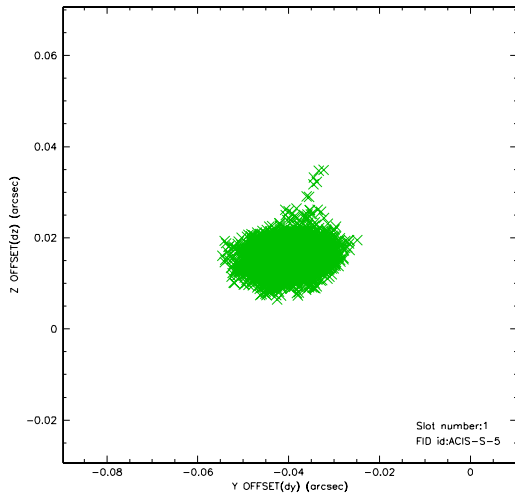


2.5 FID Slots

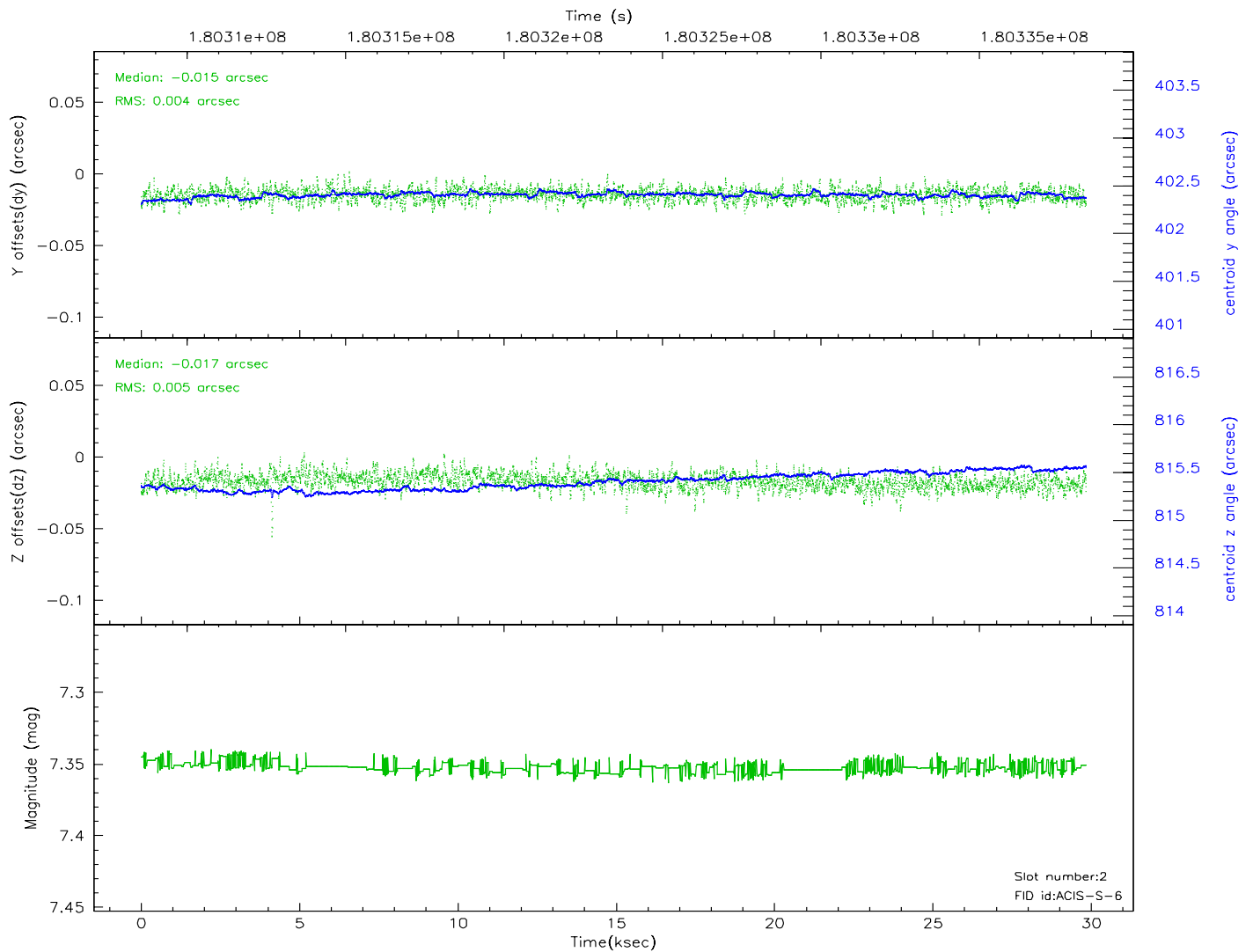
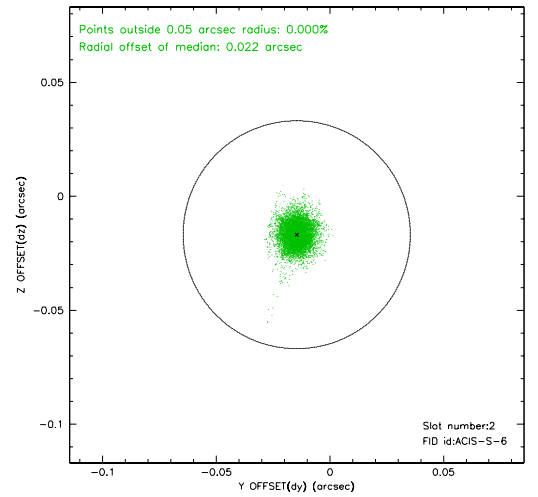
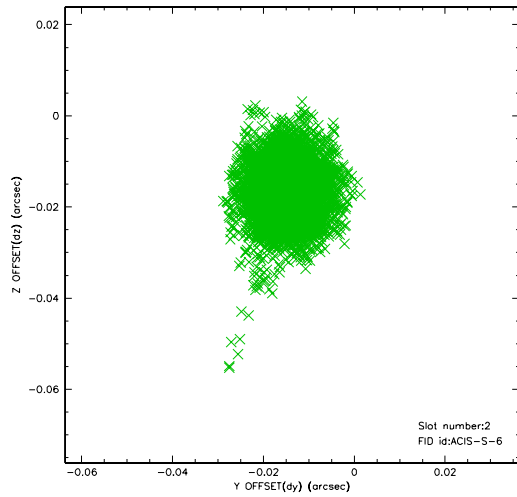
2.5.1 Slot 0



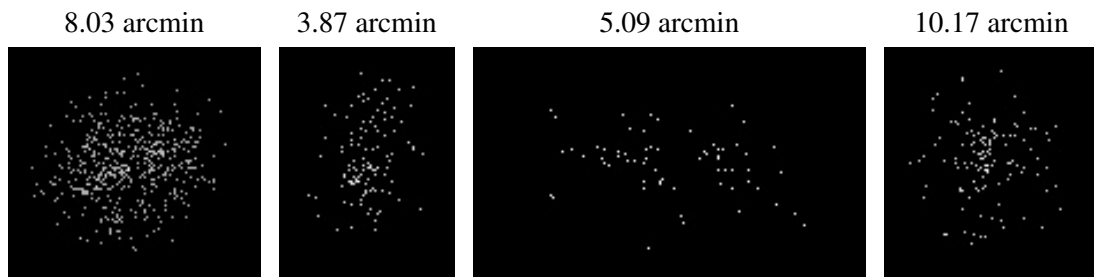
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.564

A.2 Comments

Focal plane temperature is warmer than -118 degrees during most of this observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.