

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3976 - L2 Version 001
Chandra X-Ray Center

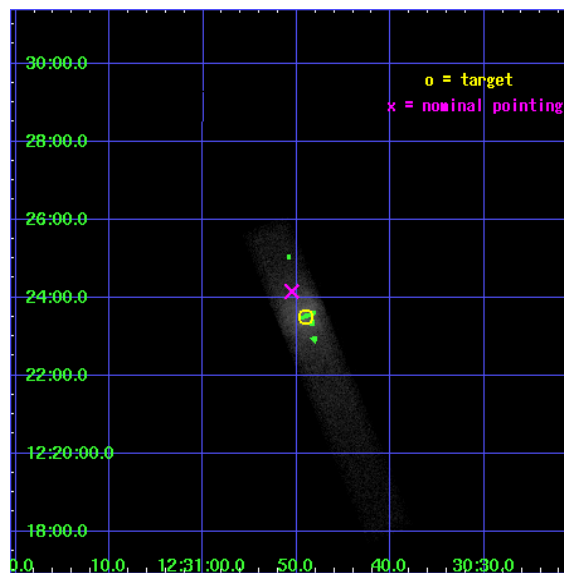
L2 Processing Date : Oct 16 2006

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1 Front

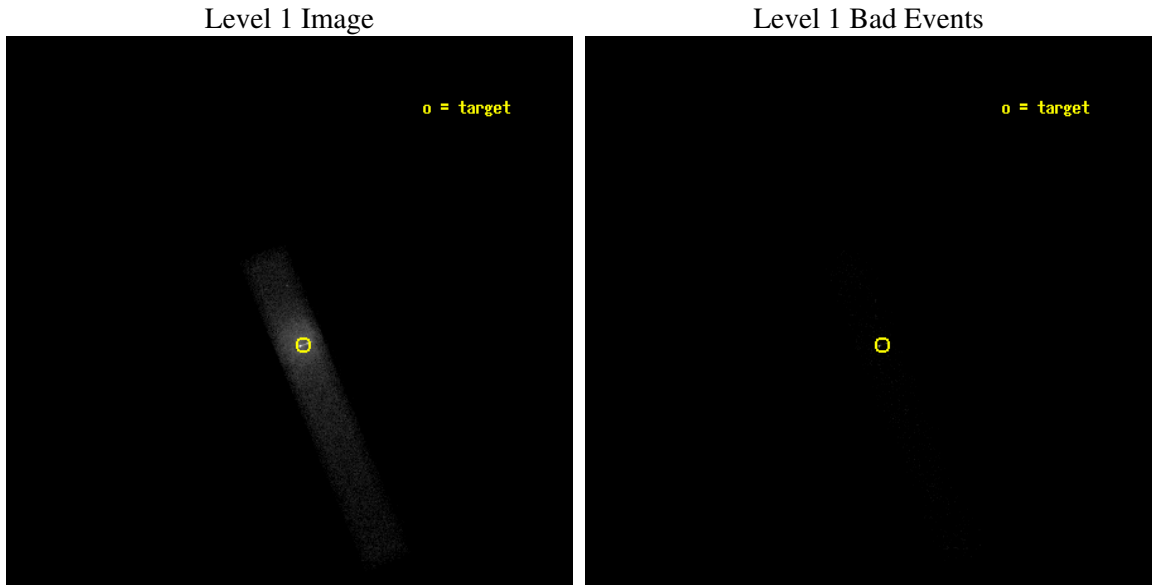
seq_num	700655
obs_id	3976
title	X-RAY VARIABILITY IN THE JET AND CORE OF M87
observer	Dr. Daniel Harris
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.71059409424
dec_nom	12.402489905717
roll_nom	67.493316611644
revision	2
ontime	5284.0000787377
livetime	4792.3091590221
ontime7	5284.0000787377
l2events	58747



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-16T04:27:47
revision	2

sched_exp_time	5000.000000
ontime	5859.584854871
ontime7	5859.584854871
l1events	65786

2.1.4 Events

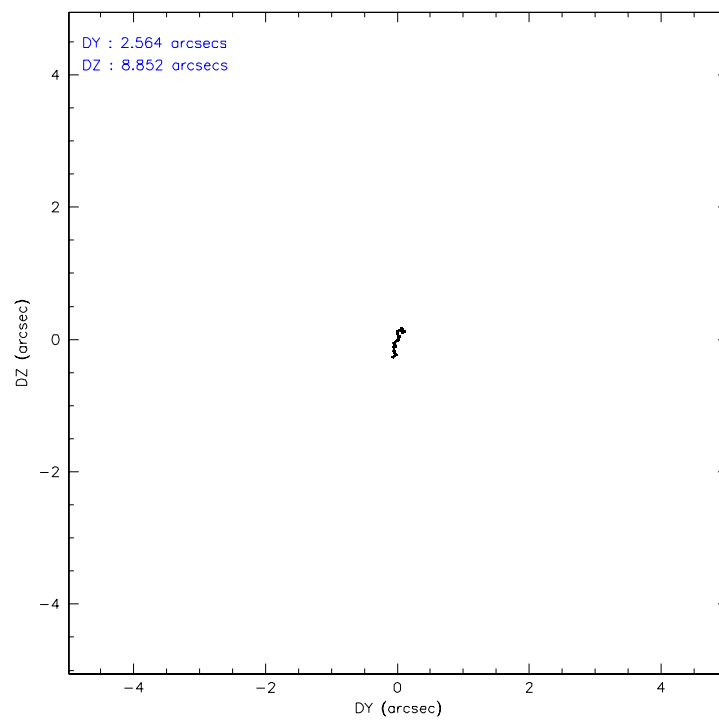
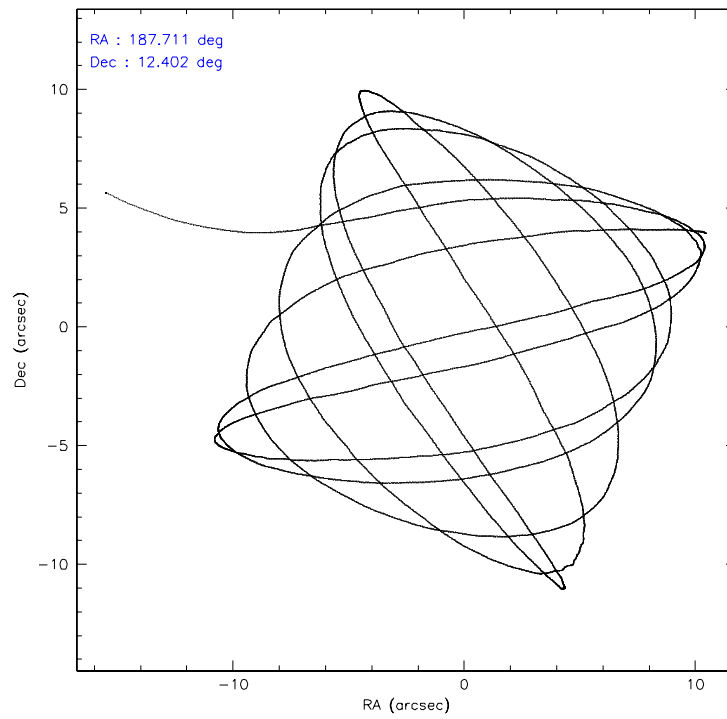
	ccd 7
level 1 events	65786
rejected events	6305
rejected %	9%

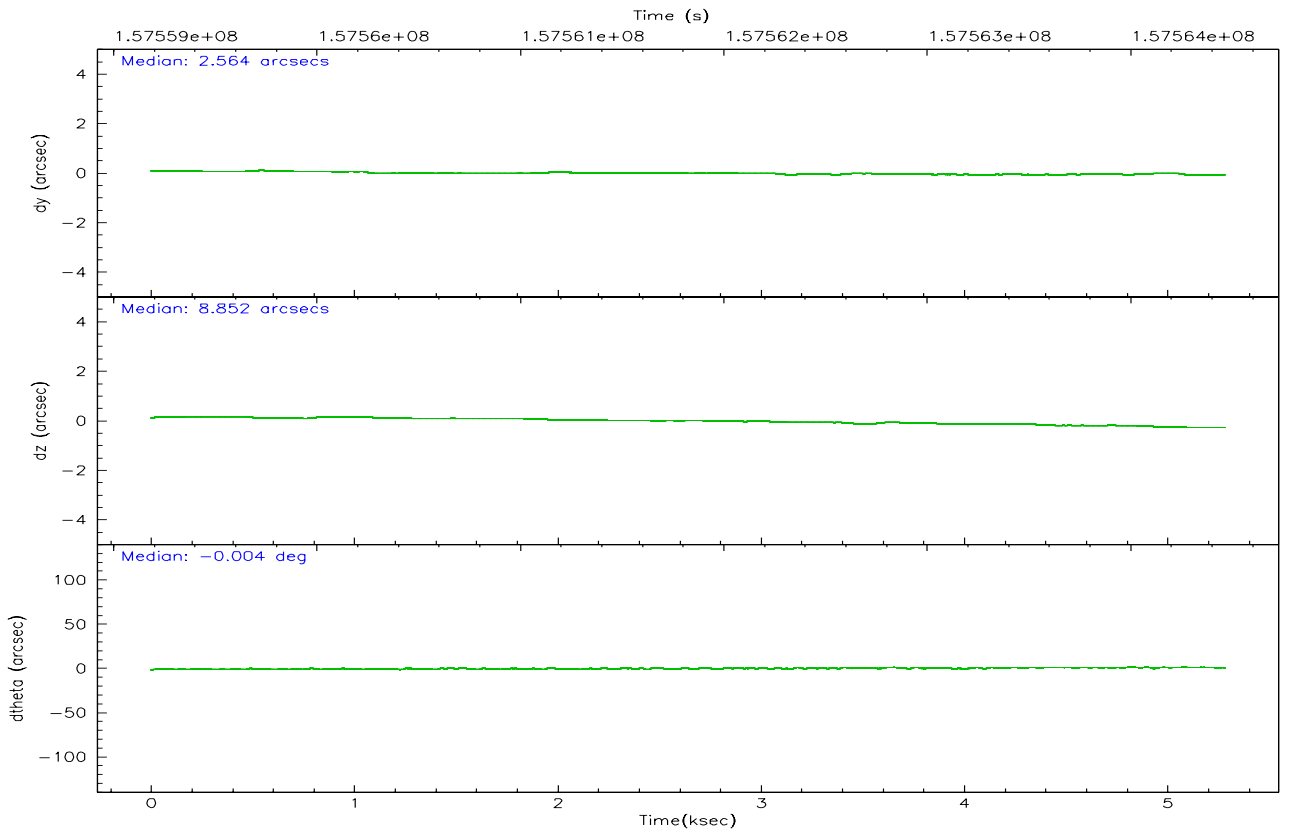
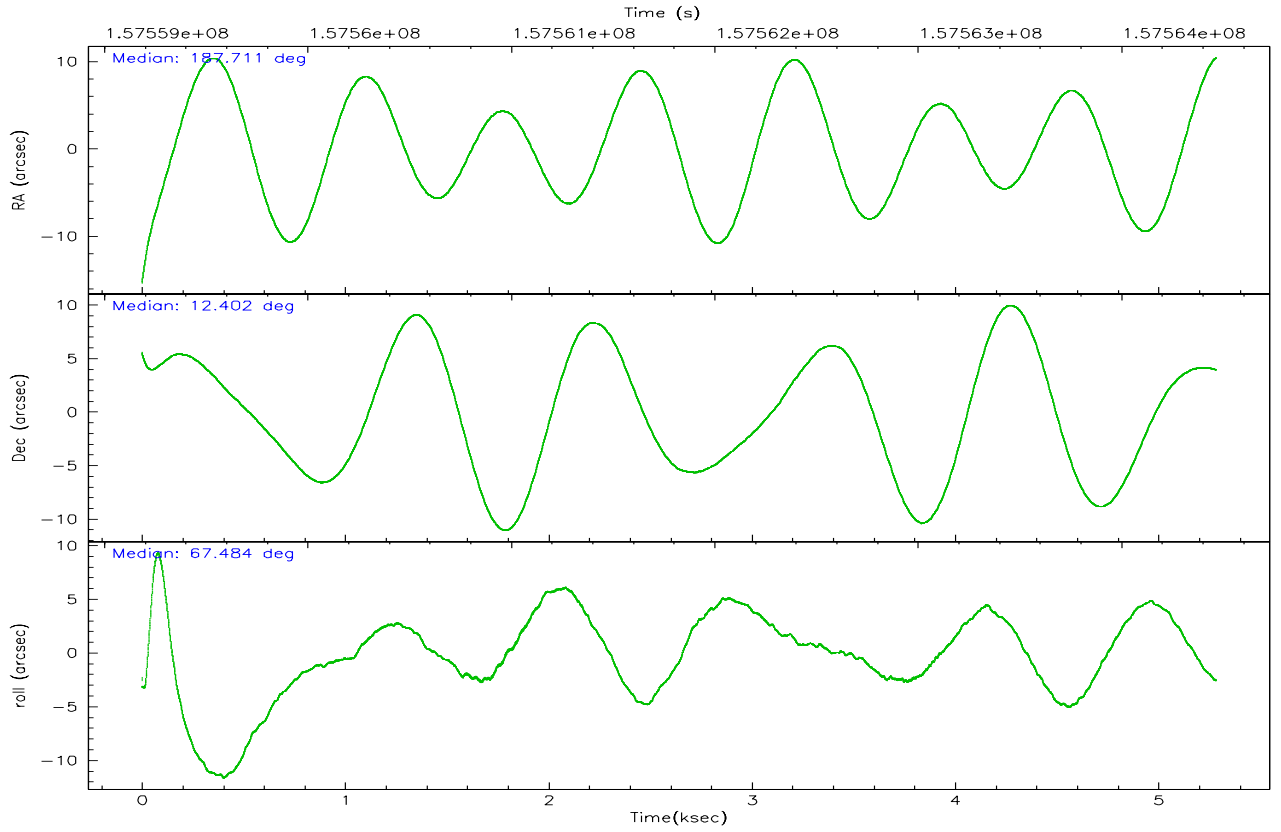
	ccd 7
grade 0 events	19134
	29%
grade 1 events	87
	0%
grade 2 events	16426
	24%
grade 3 events	7026
	10%
grade 4 events	6861
	10%
grade 5 events	972
	1%
grade 6 events	11909
	18%
grade 7 events	3371
	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	187.714633	187.7105940942382	Subarray requested	1/8	1/8
Pointing Dec	12.375484	12.40248990571722	Subarray start row	0	449
Pointing Roll	67.335853	67.49331661164351	Subarray row count	1024	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.4
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	157559467.184000	157558432.24609			
Observation start date	2002-12-29T14:30:03	2002-12-29T14:13:52			
Observation end time	157564467.184000	157565075.27137			
Observation end date	2002-12-29T15:53:23	2002-12-29T16:04:35			
Read mode	TIMED	TIMED			

2.3 Aspect



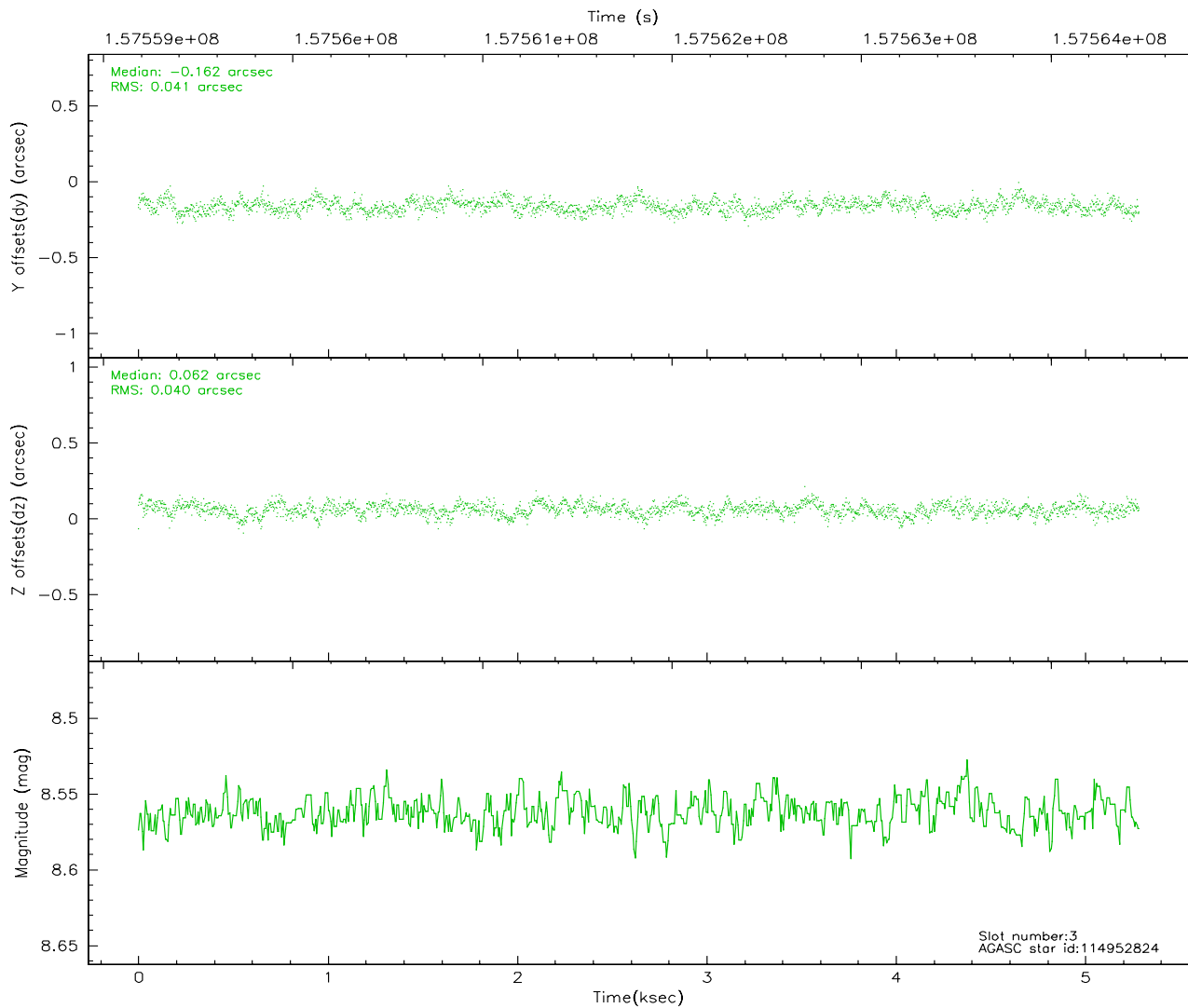
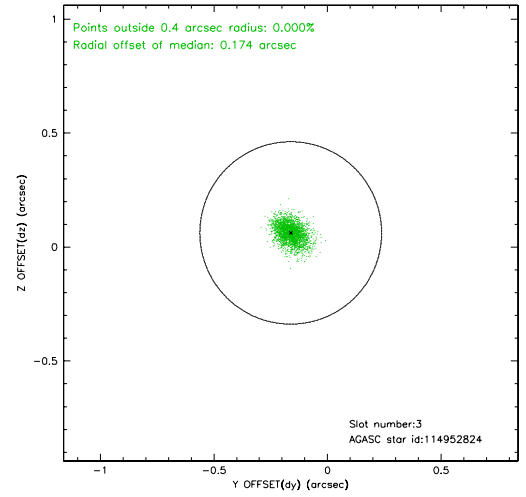
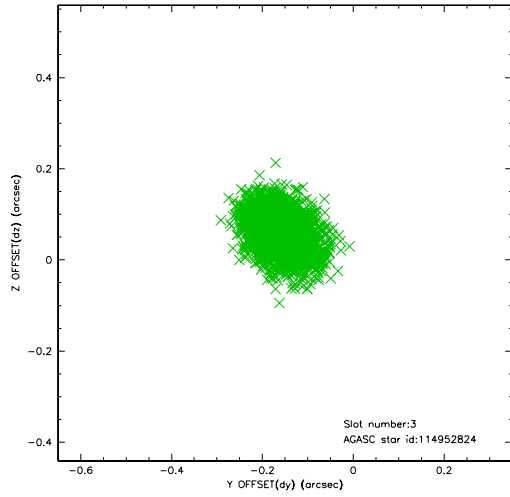


Slot Statistics

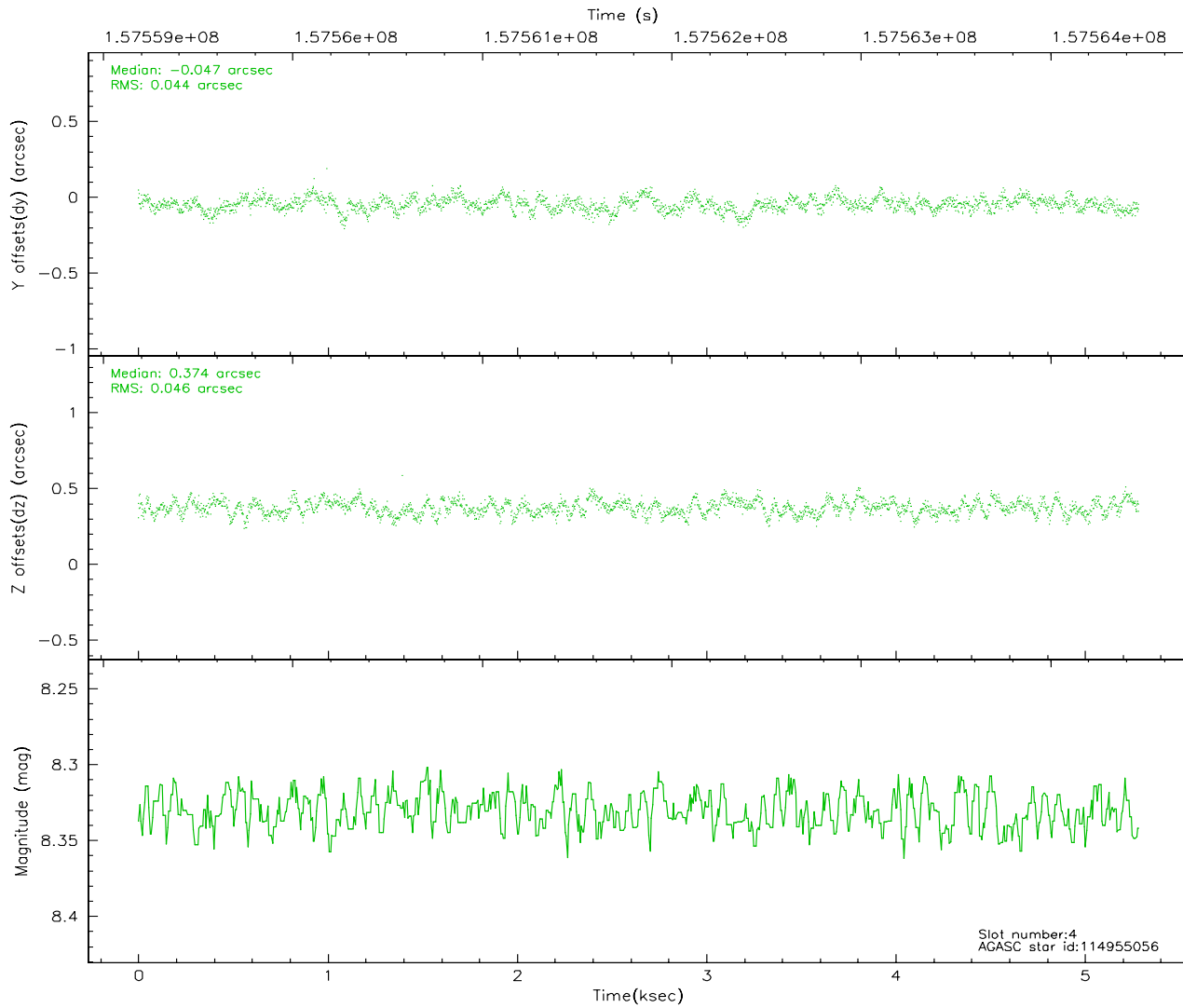
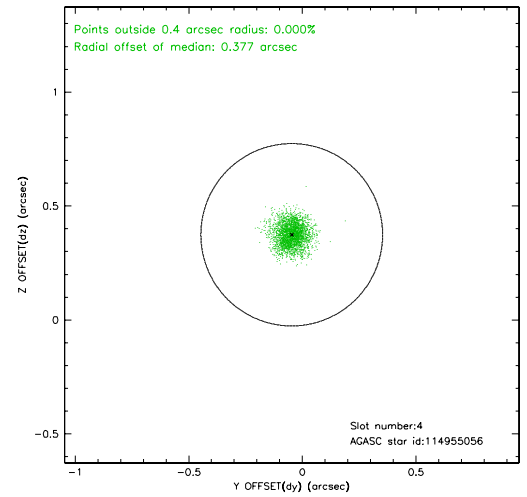
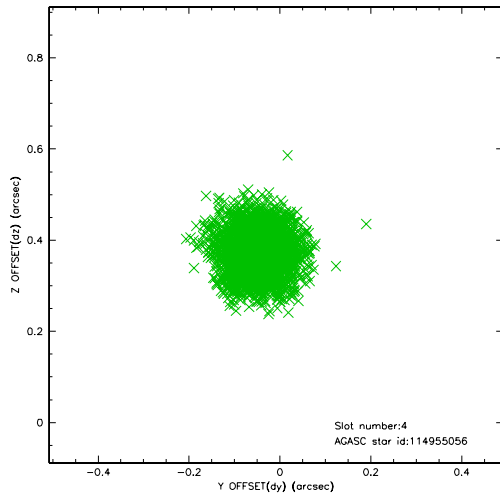
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1289	-0.008	0.020	0.007	0.011	0.000000	0.000000	-755.20	-1729.98
1	FID	ACIS-S-4	7.20	1289	-0.054	-0.001	0.005	0.010	0.000000	0.000000	2157.51	177.30
2	FID	ACIS-S-5	7.23	1288	0.032	-0.010	0.007	0.012	0.000000	0.000000	-1806.53	172.26
3	GUIDE	114952824	8.56	2578	-0.162	0.062	0.061	0.100	187.703904	12.486727	354.64	189.61
4	GUIDE	114955056	8.33	2578	-0.047	0.374	0.068	0.109	187.914001	12.127854	-551.89	-990.25
5	GUIDE	114957008	8.25	2579	0.062	-0.089	0.090	0.151	186.894794	12.099160	-2026.72	2281.12
6	GUIDE	114954440	9.21	2579	0.099	-0.253	0.114	0.181	186.915066	12.219118	-1600.82	2381.12
7	GUIDE	114952792	9.52	2578	0.044	-0.092	0.109	0.179	187.070263	12.344747	-974.07	2050.69

2.4 Star Slots

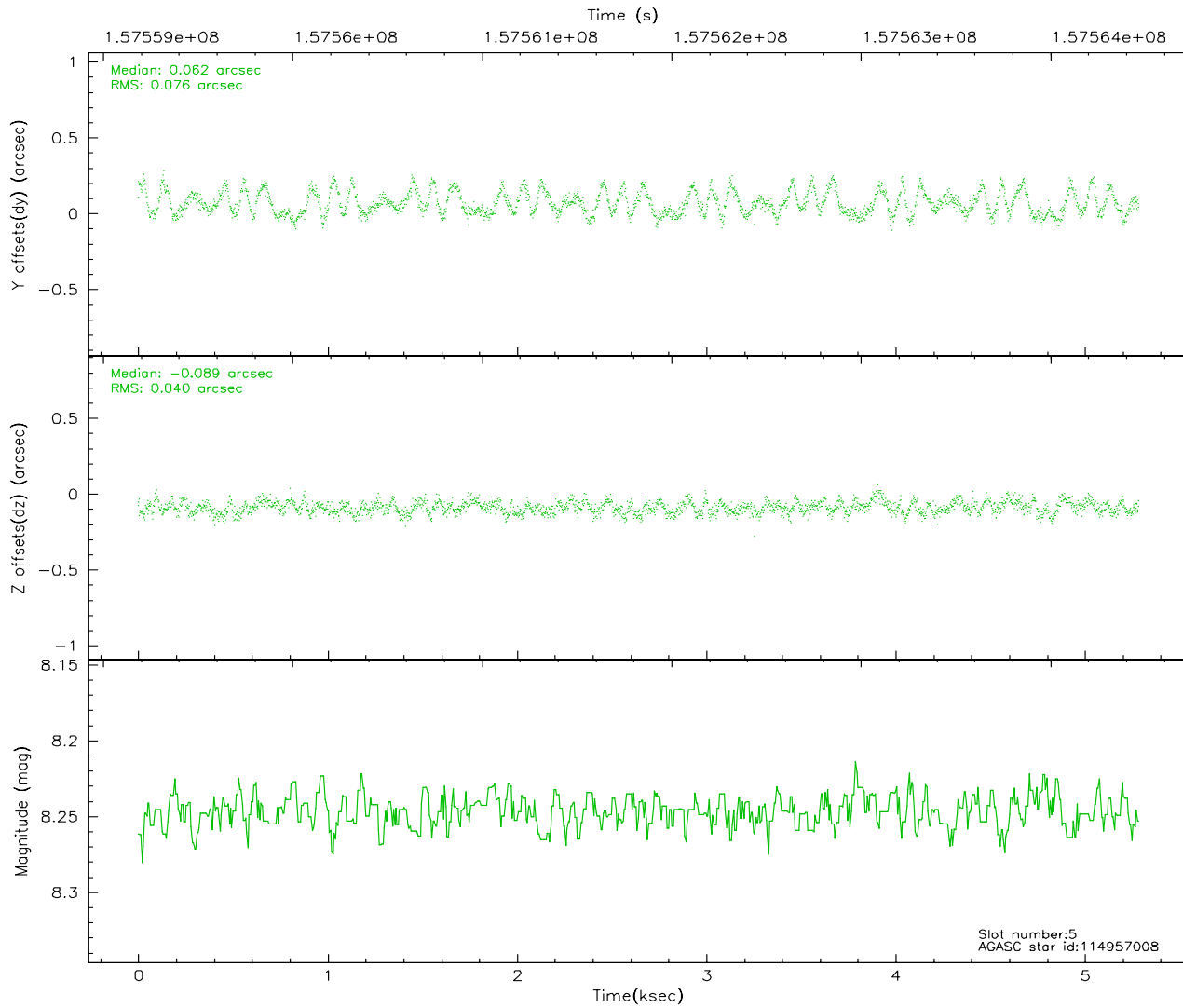
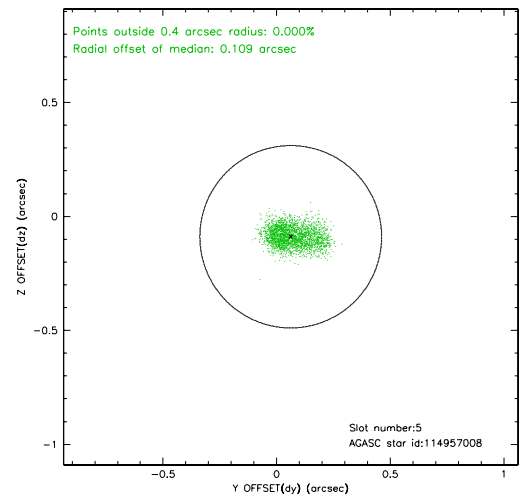
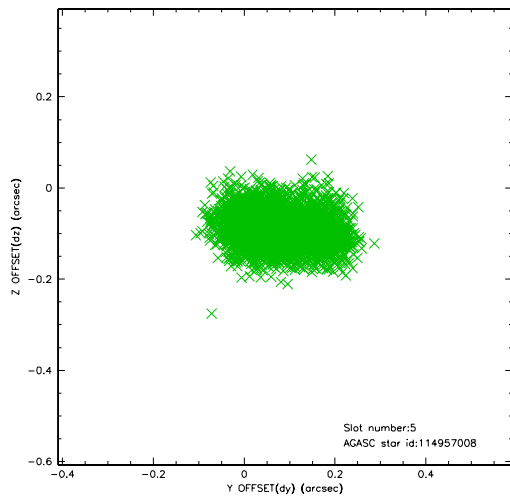
2.4.1 Slot 3



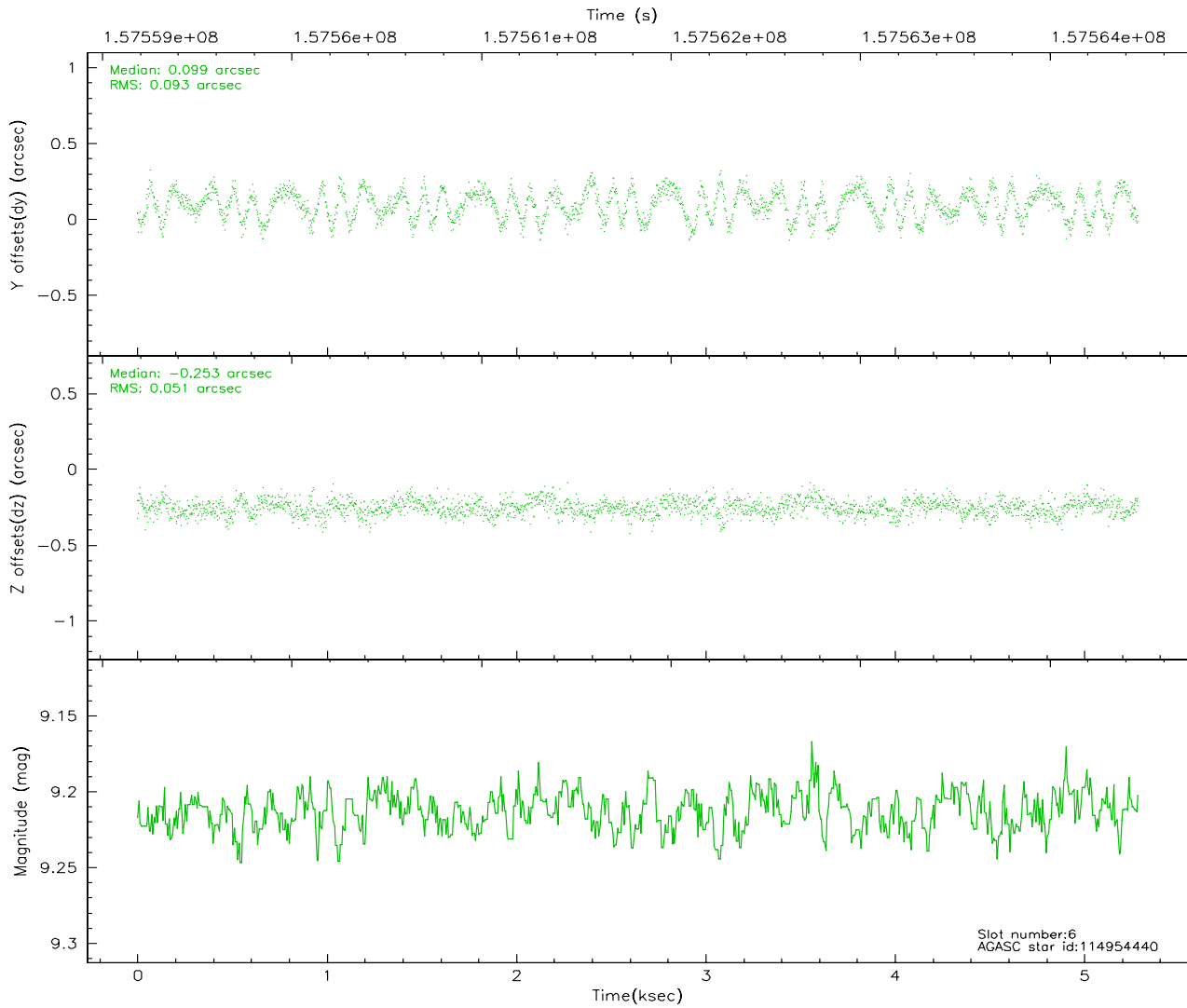
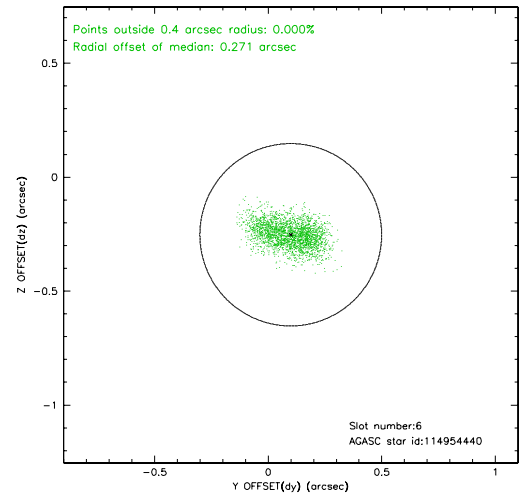
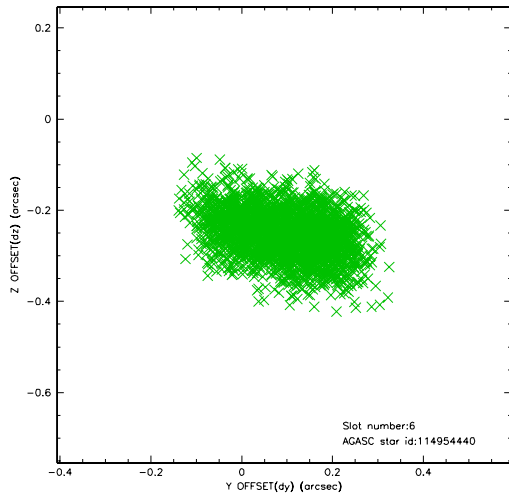
2.4.2 Slot 4



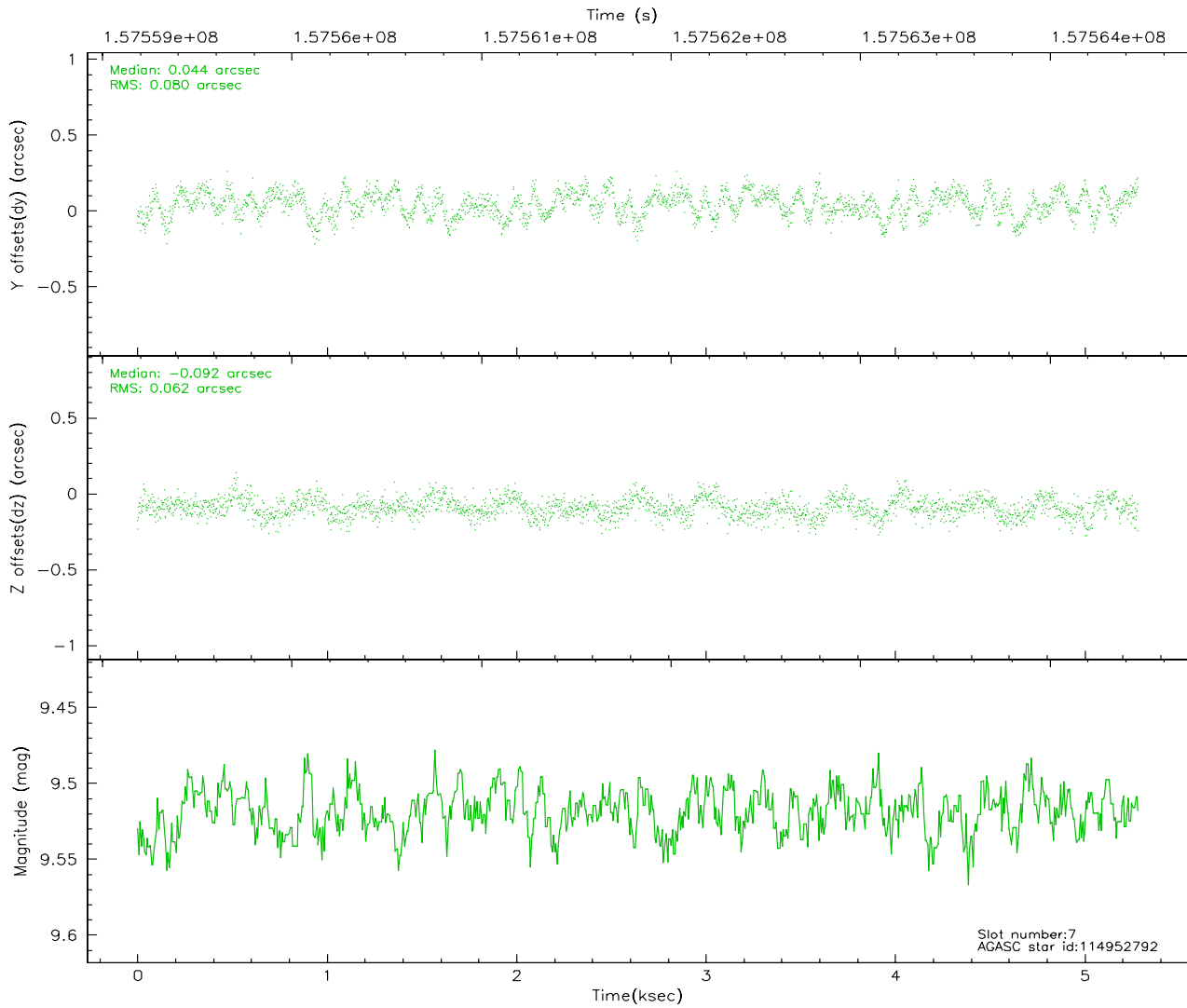
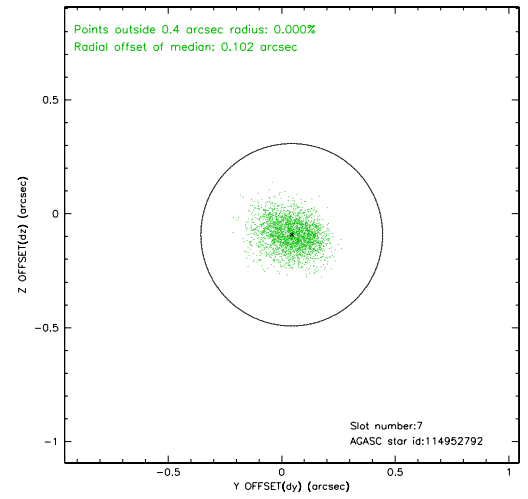
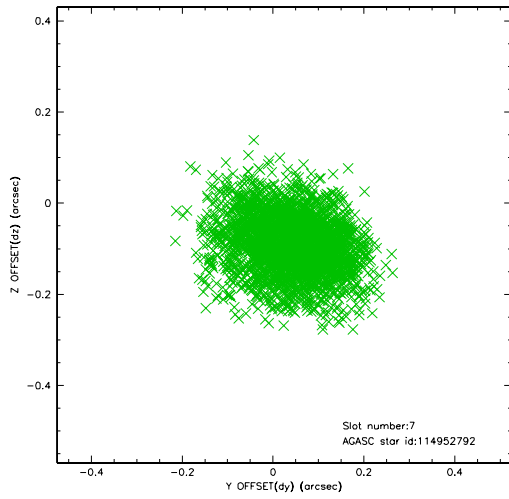
2.4.3 Slot 5



2.4.4 Slot 6

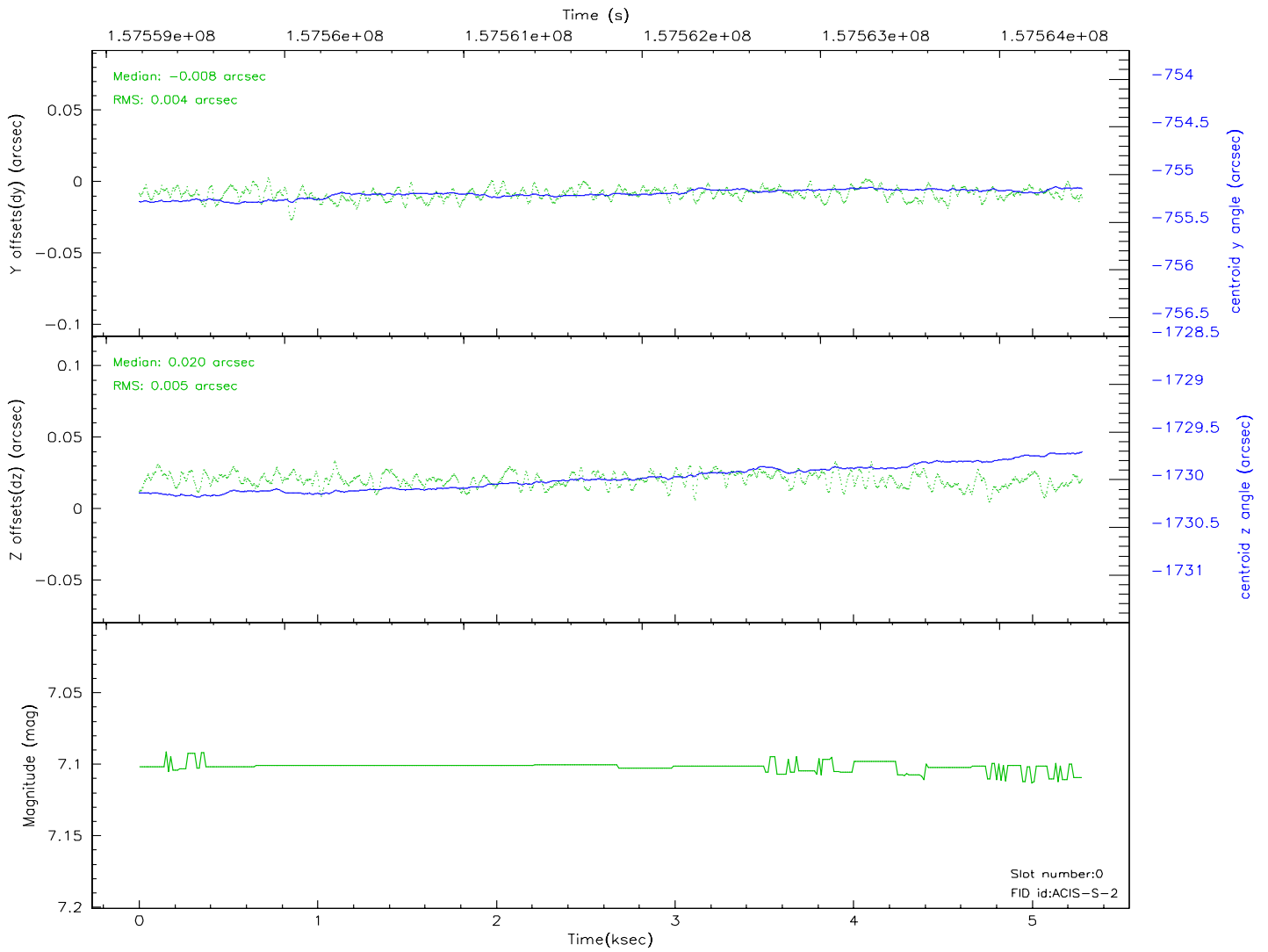
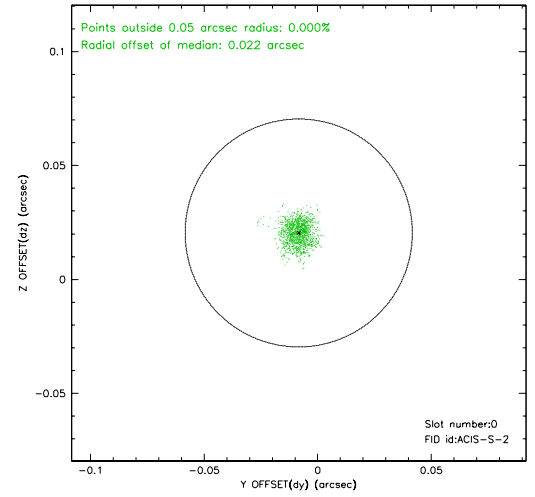
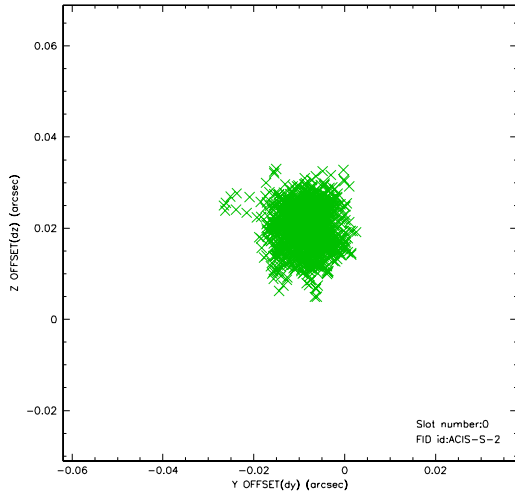


2.4.5 Slot 7

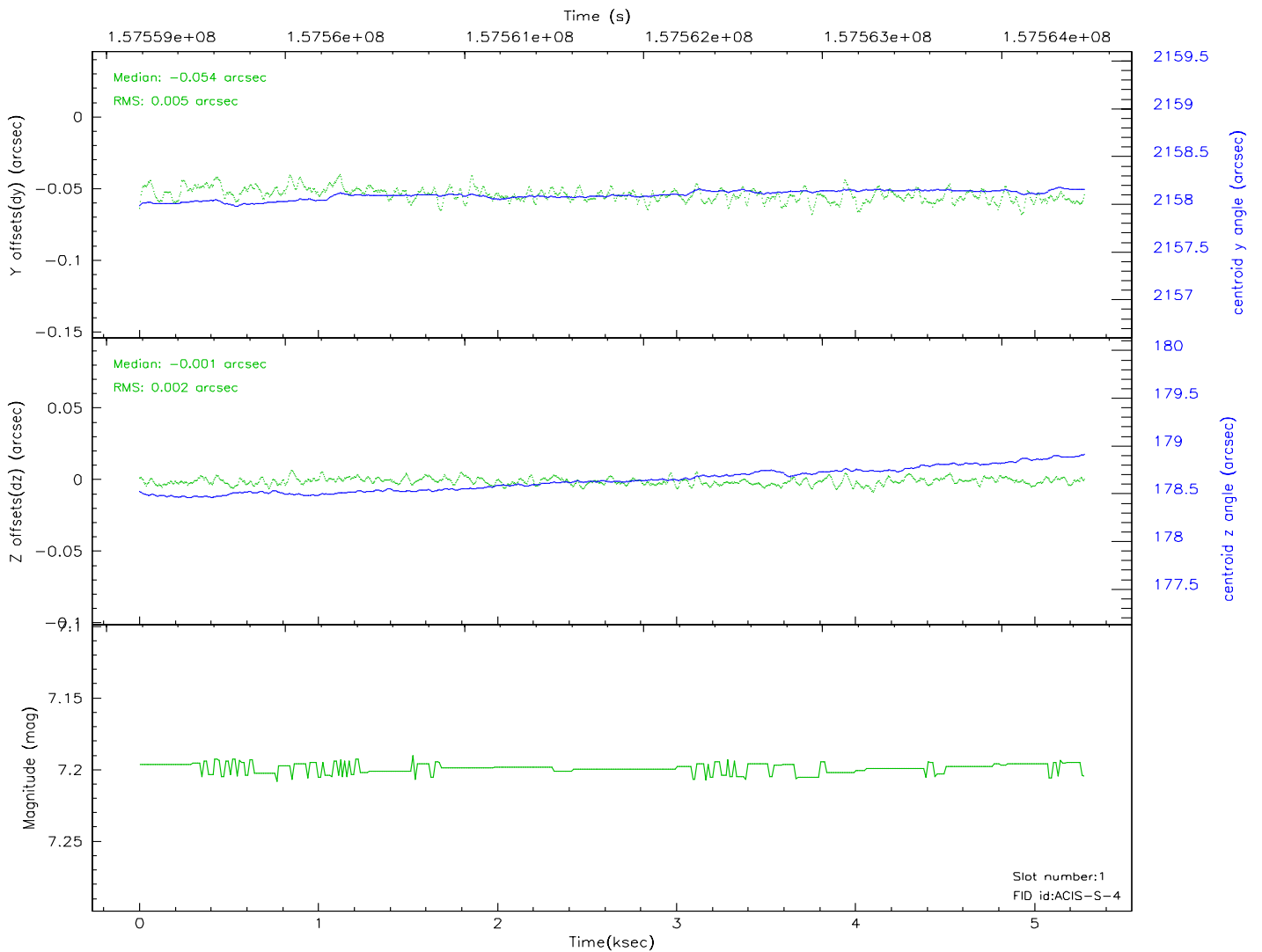
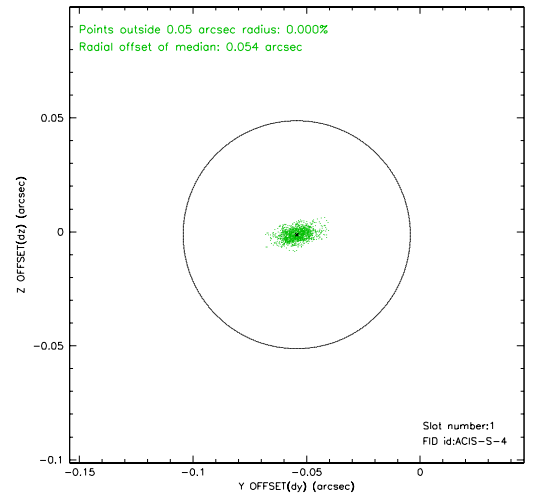
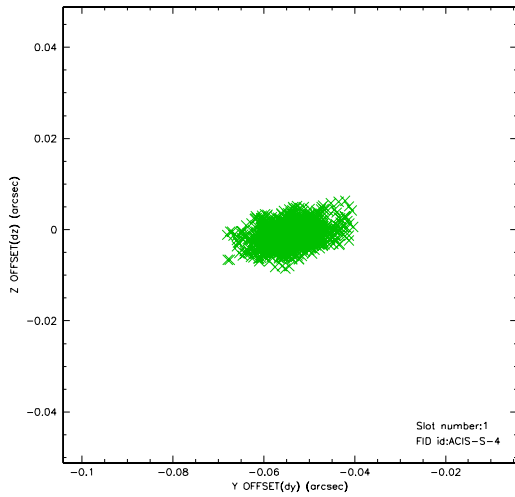


2.5 FID Slots

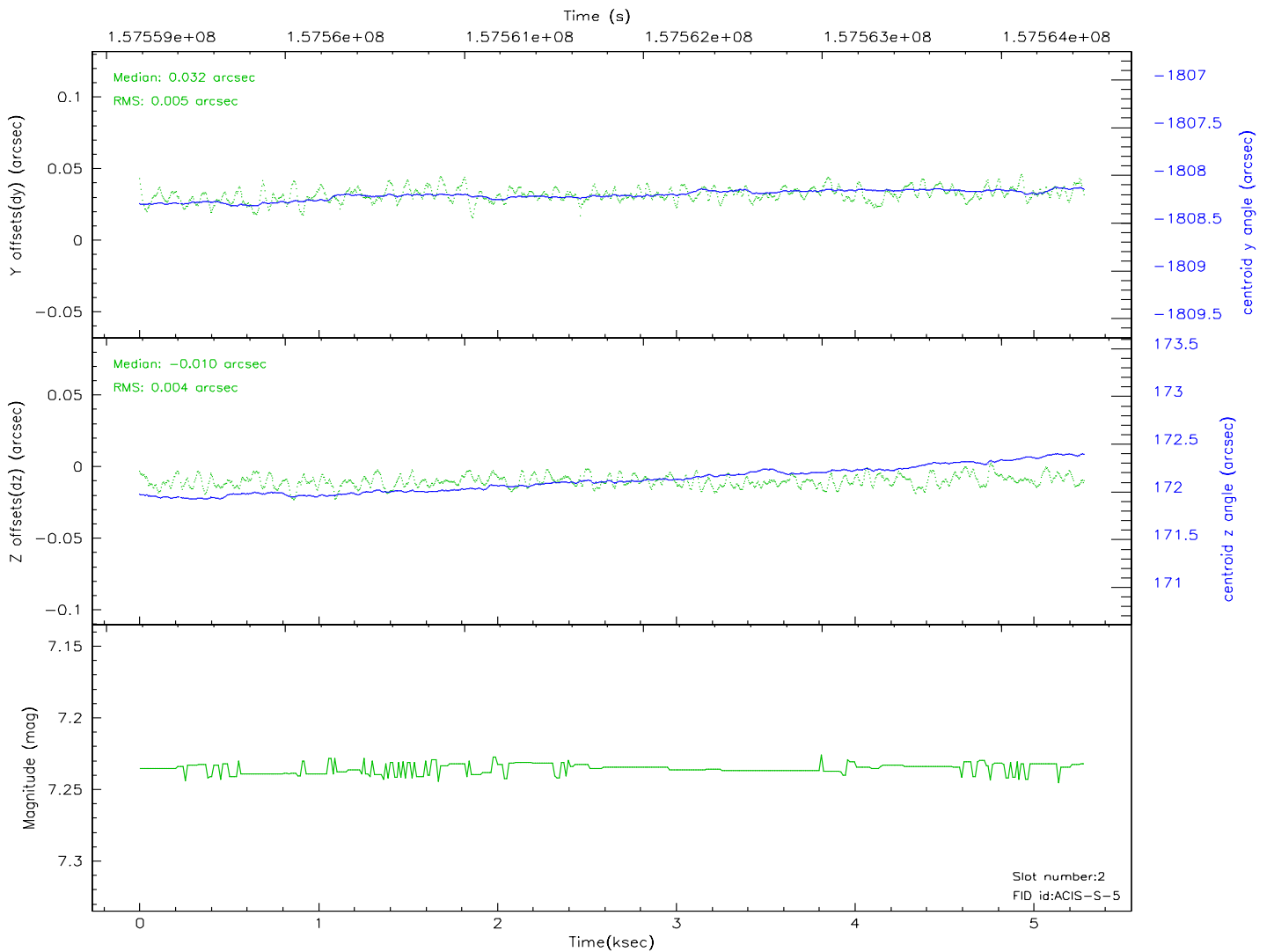
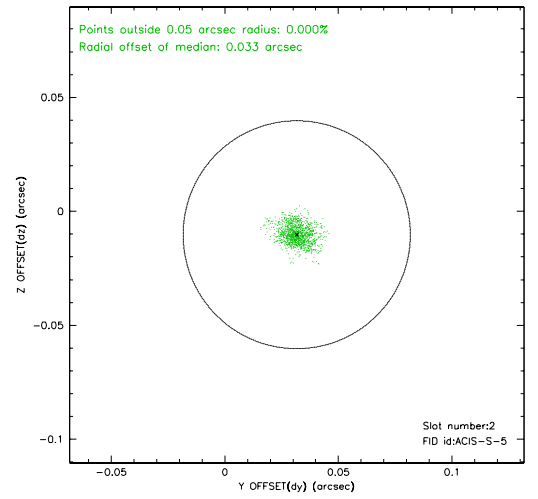
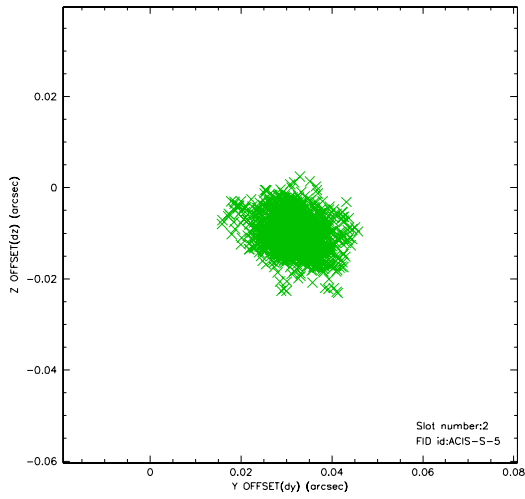
2.5.1 Slot 0



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)	2006.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.284

A.2 Comments