

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5739 - L2 Version 002
Chandra X-Ray Center

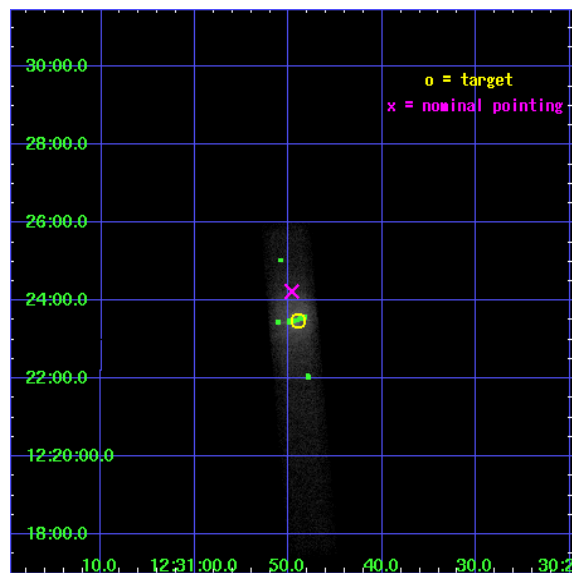
L2 Processing Date: Feb 22 2006

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

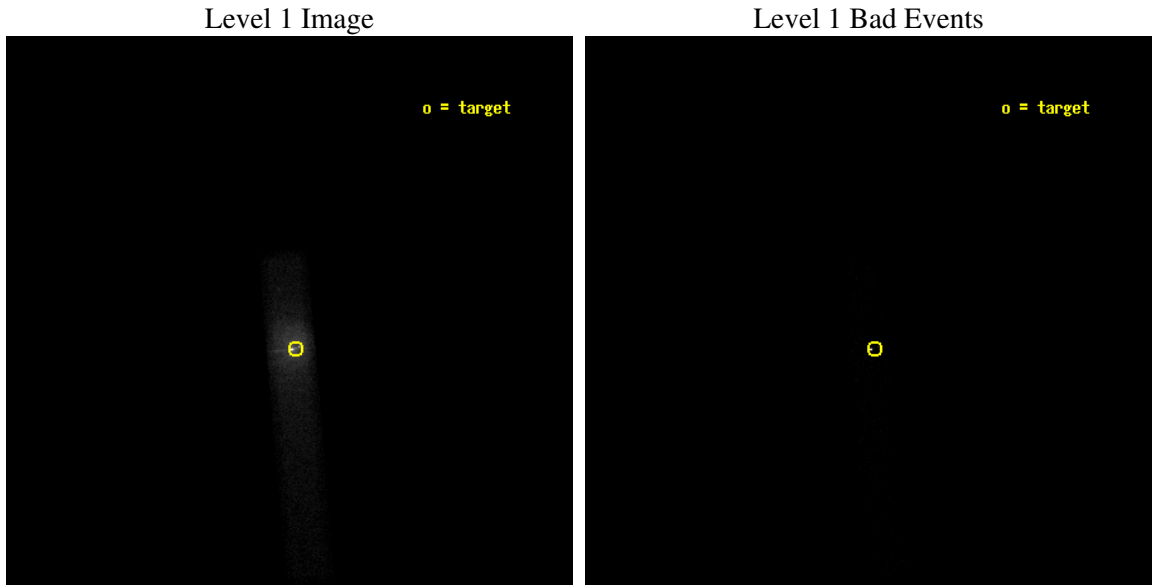
seq_num	701161
obs_id	5739
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)
observer	Dr. John Biretta
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.70694393859
dec_nom	12.403917939499
roll_nom	85.066923449869
revision	2
ontime	5682.4000846744
livetime	5153.63693513
ontime7	5682.4000846744
l2events	66223



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-23T00:33:21
revision	2

sched_exp_time	5499.870000
ontime	5683.1862871945
ontime7	5683.1862871945
l1events	80659

2.1.4 Events

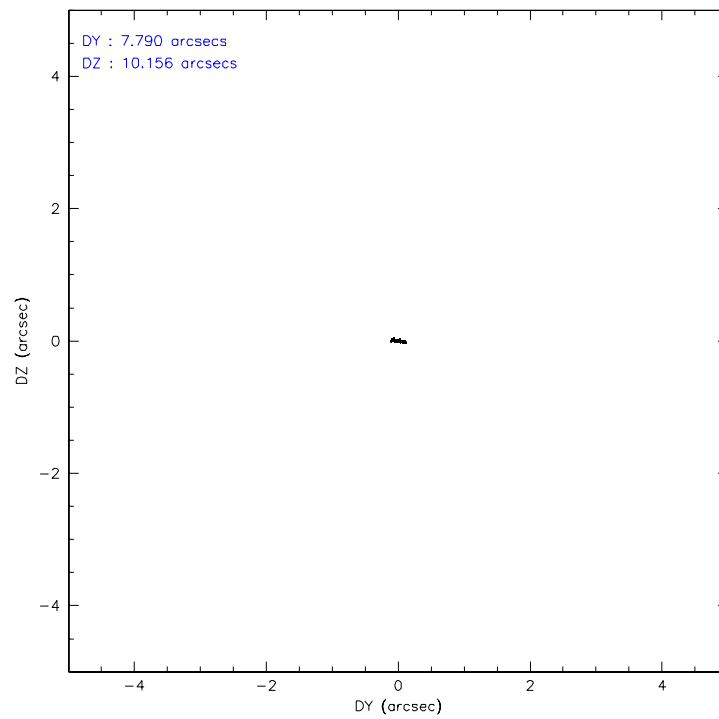
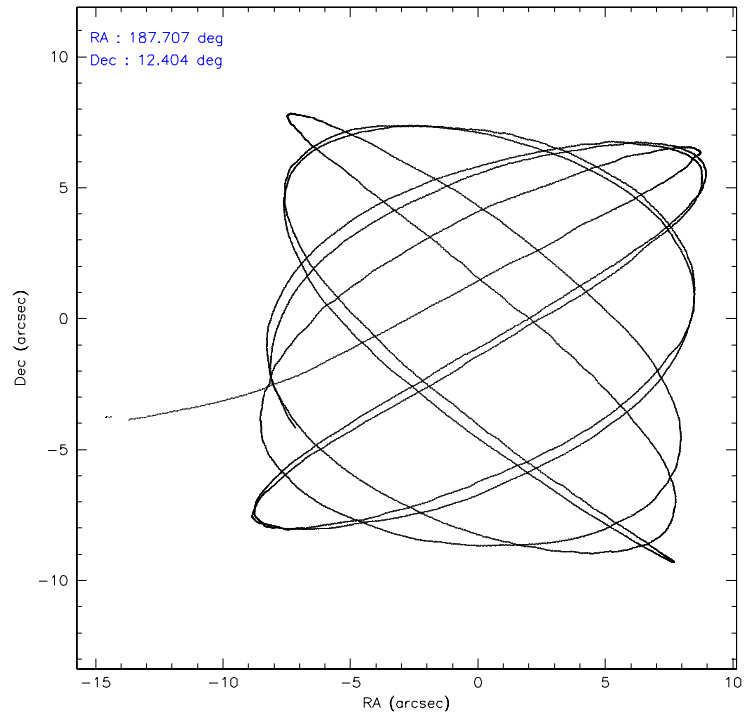
	ccd 7
level 1 events	80659
rejected events	13670
rejected %	16%

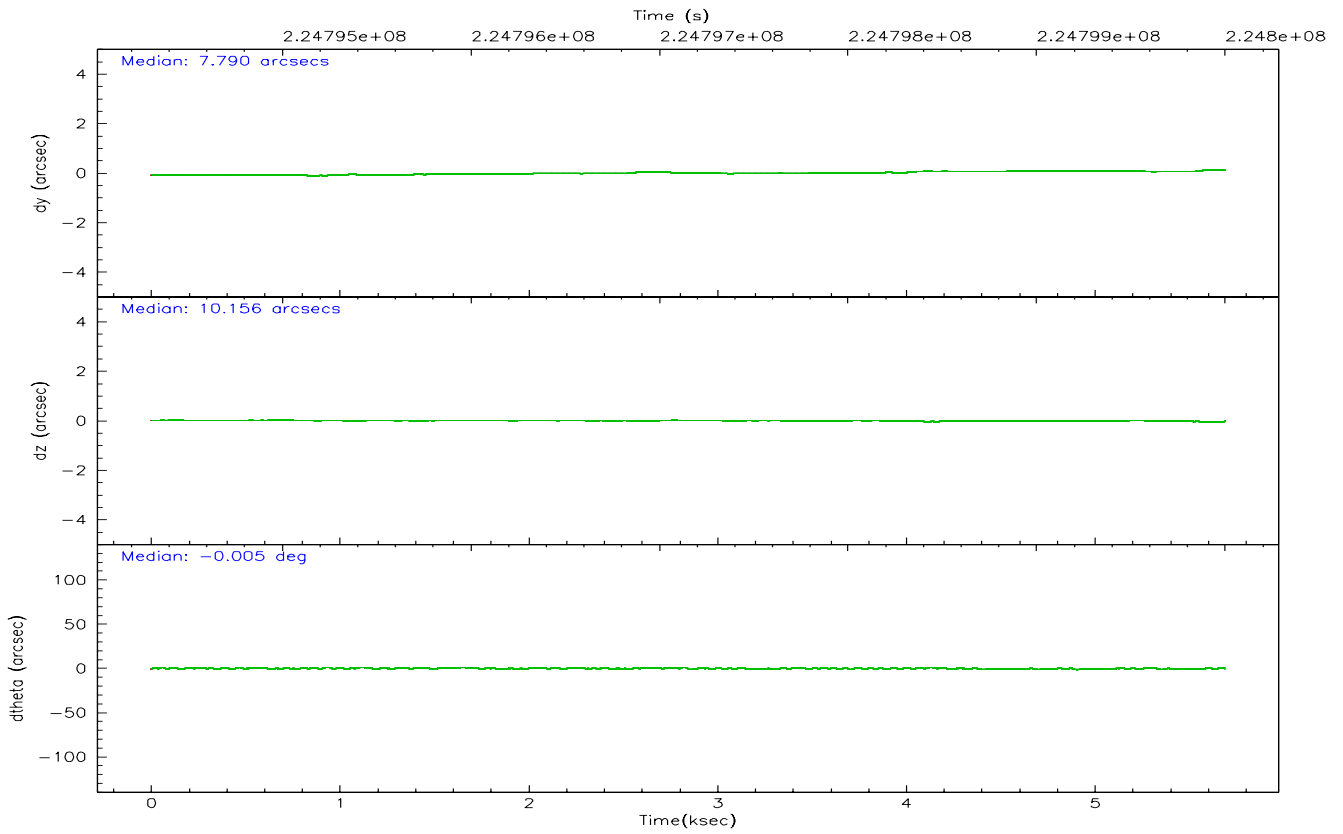
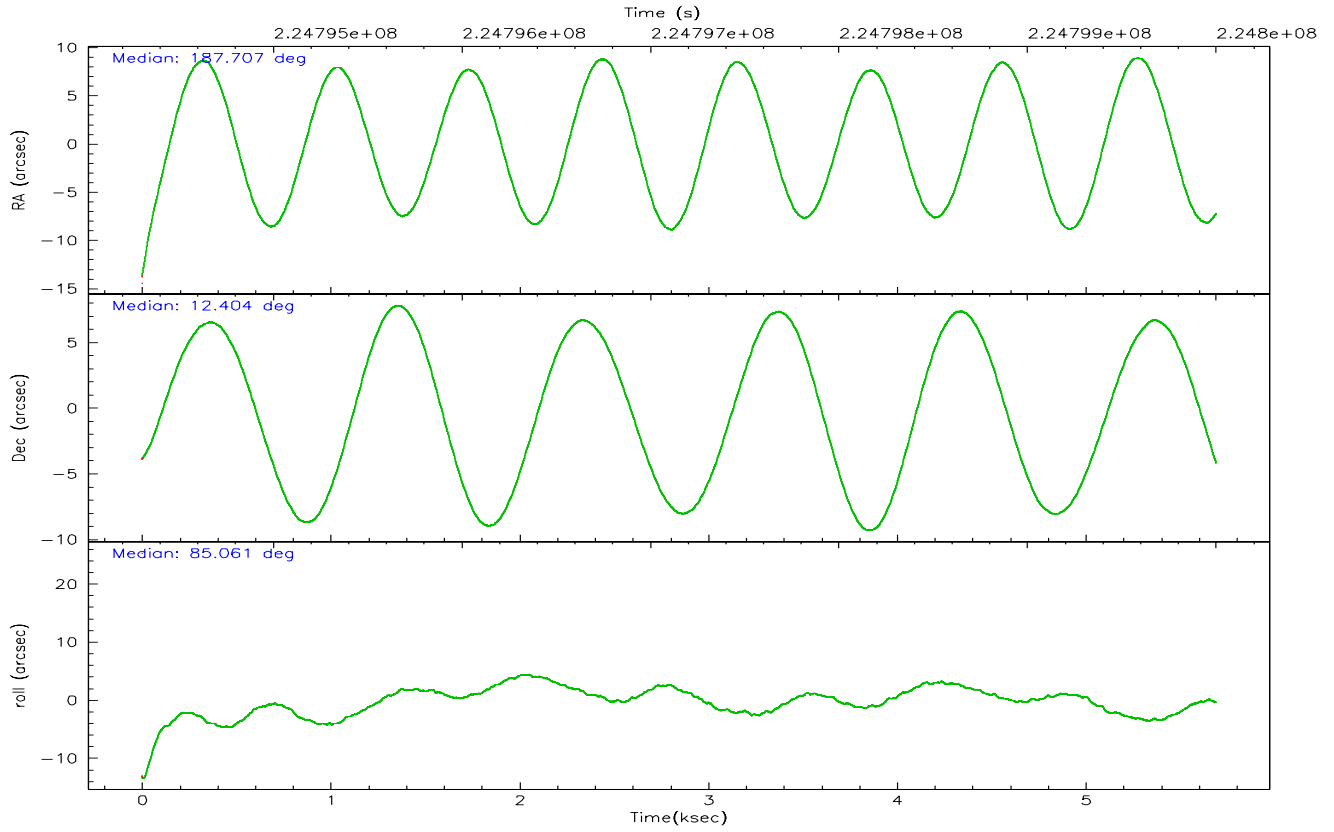
	ccd 7
grade 0 events	19089
	23%
grade 1 events	438
	0%
grade 2 events	17432
	21%
grade 3 events	7280
	9%
grade 4 events	6947
	8%
grade 5 events	2934
	3%
grade 6 events	16244
	20%
grade 7 events	10295
	12%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	187.719149	187.7069439385942	Subarray start row	0	449
Pointing Dec	12.379319	12.40391793949884	Subarray row count	1024	128
Pointing Roll	84.907684	85.06692344986935	Alternating exposures requested	N	N
Window start time	224726464.184000	224726464.184000	Primary exposure time	0.000000	0.4
Window stop time	225331264.184000	225331264.184000			
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	224794493.184000	224793869.8242			
Observation start date	2005-02-14T18:53:49	2005-02-14T18:44:29			
Observation end time	224799993.184000	224800214.57449			
Observation end date	2005-02-14T20:25:29	2005-02-14T20:30:14			
Read mode	TIMED	TIMED			

2.3 Aspect



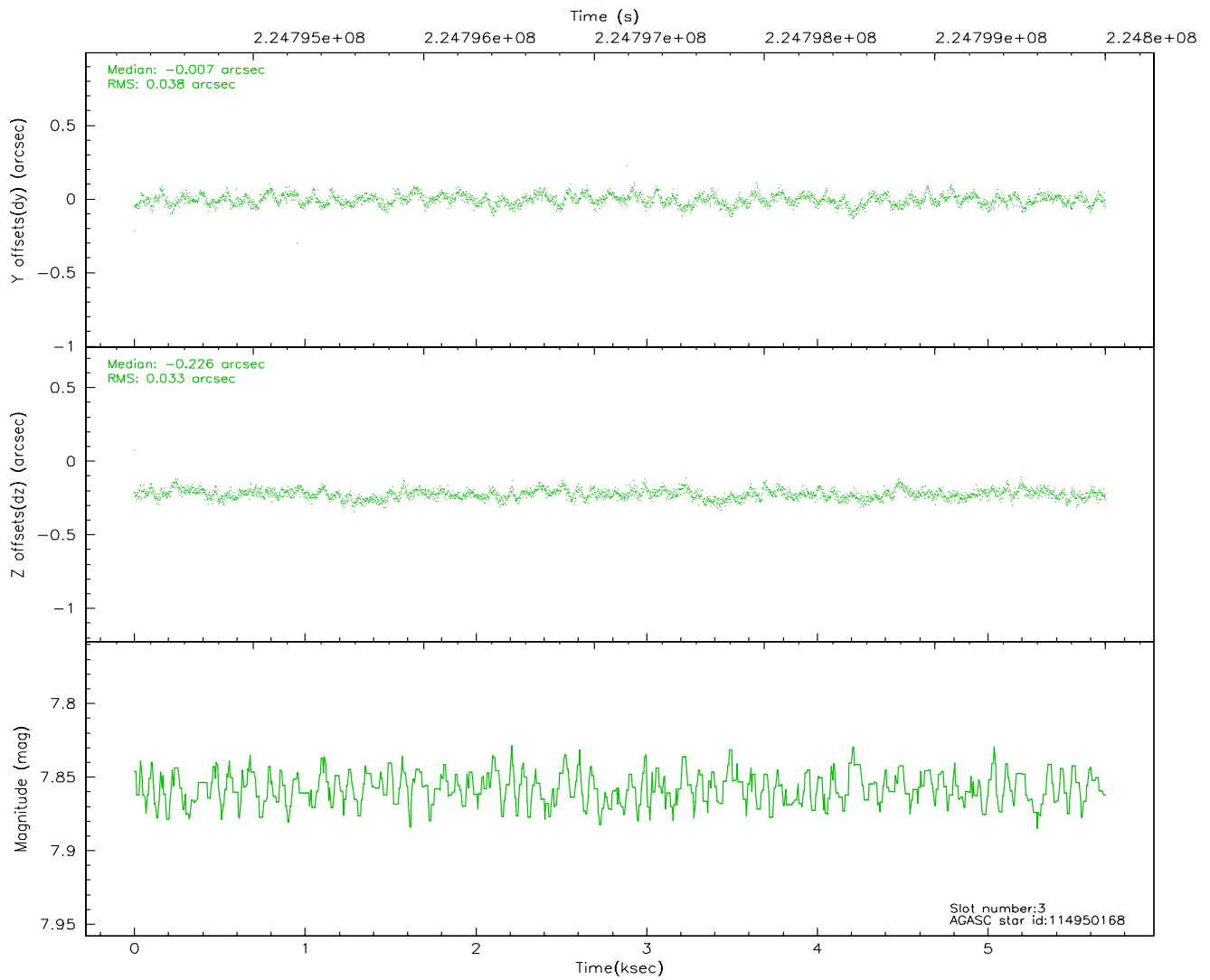
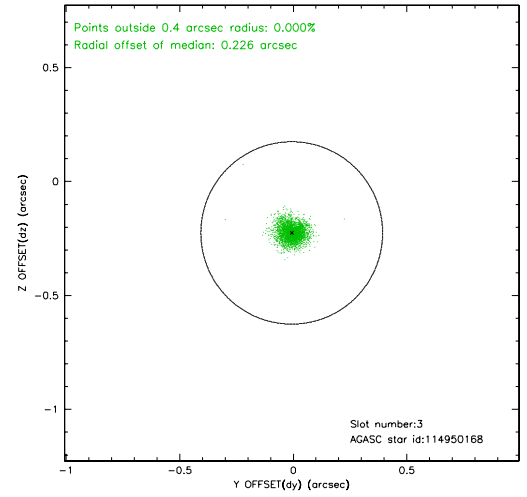
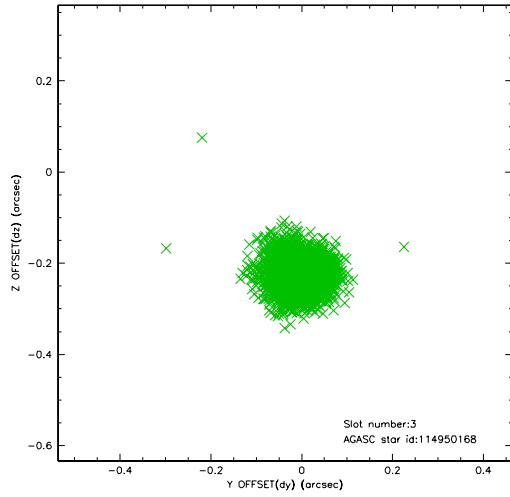


Slot Statistics

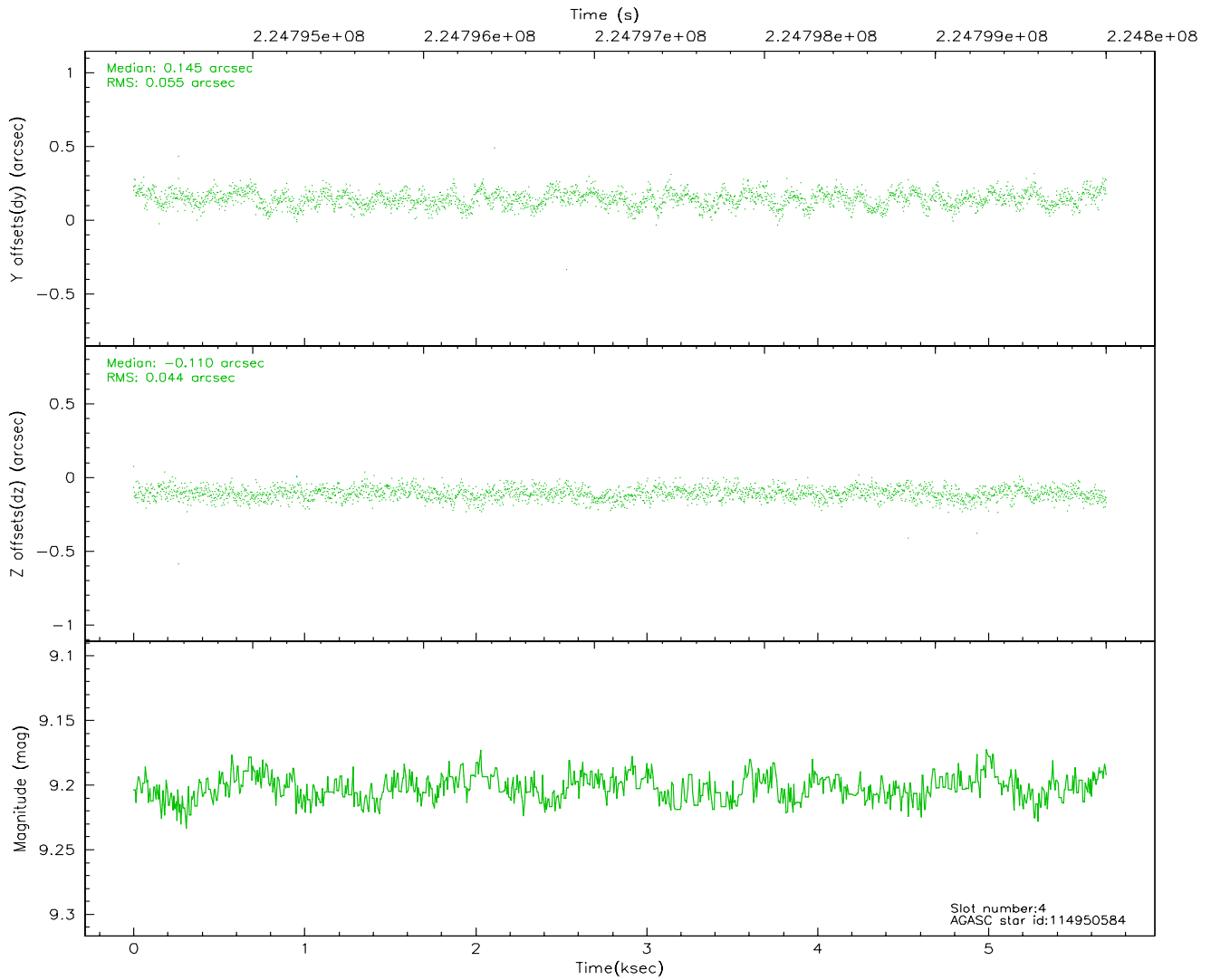
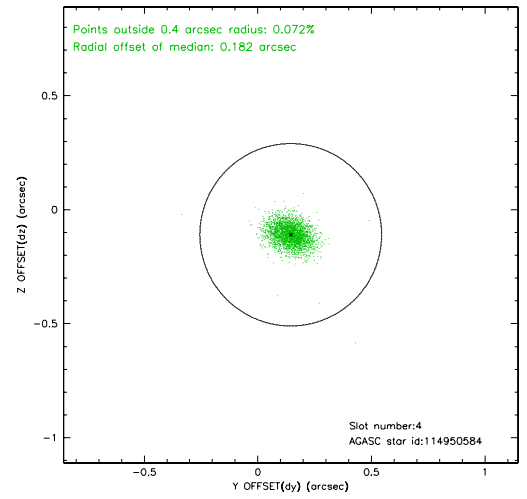
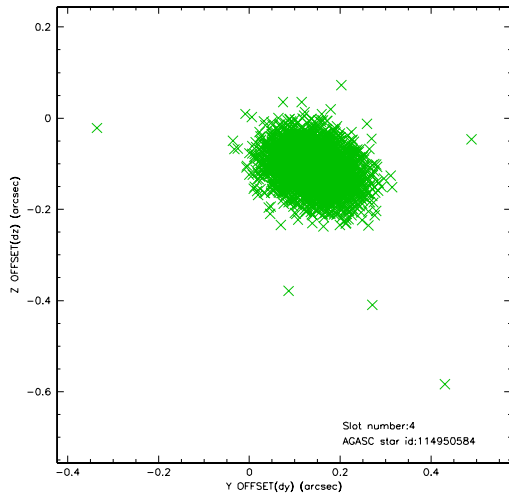
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1388	-0.034	0.002	0.006	0.011	0.000000	0.000000	-760.56	-1731.42
1	FID	ACIS-S-4	7.21	1389	0.065	0.016	0.005	0.009	0.000000	0.000000	2152.29	176.05
2	FID	ACIS-S-5	7.23	1389	-0.062	-0.009	0.006	0.011	0.000000	0.000000	-1812.12	170.81
3	GUIDE	114950168	7.86	2777	-0.007	-0.226	0.052	0.085	187.143398	12.117441	-1117.46	1934.90
4	GUIDE	114950584	9.20	2774	0.145	-0.110	0.073	0.120	187.487323	11.827248	-2052.51	638.03
5	GUIDE	114952824	8.56	2776	-0.110	-0.101	0.065	0.107	187.703904	12.486727	379.12	88.28
6	GUIDE	114955056	8.31	2777	0.029	0.337	0.064	0.099	187.914001	12.127854	-840.68	-762.88
7	GUIDE	114955568	7.52	2776	-0.054	0.102	0.061	0.100	187.061916	11.826551	-2185.89	2130.28

2.4 Star Slots

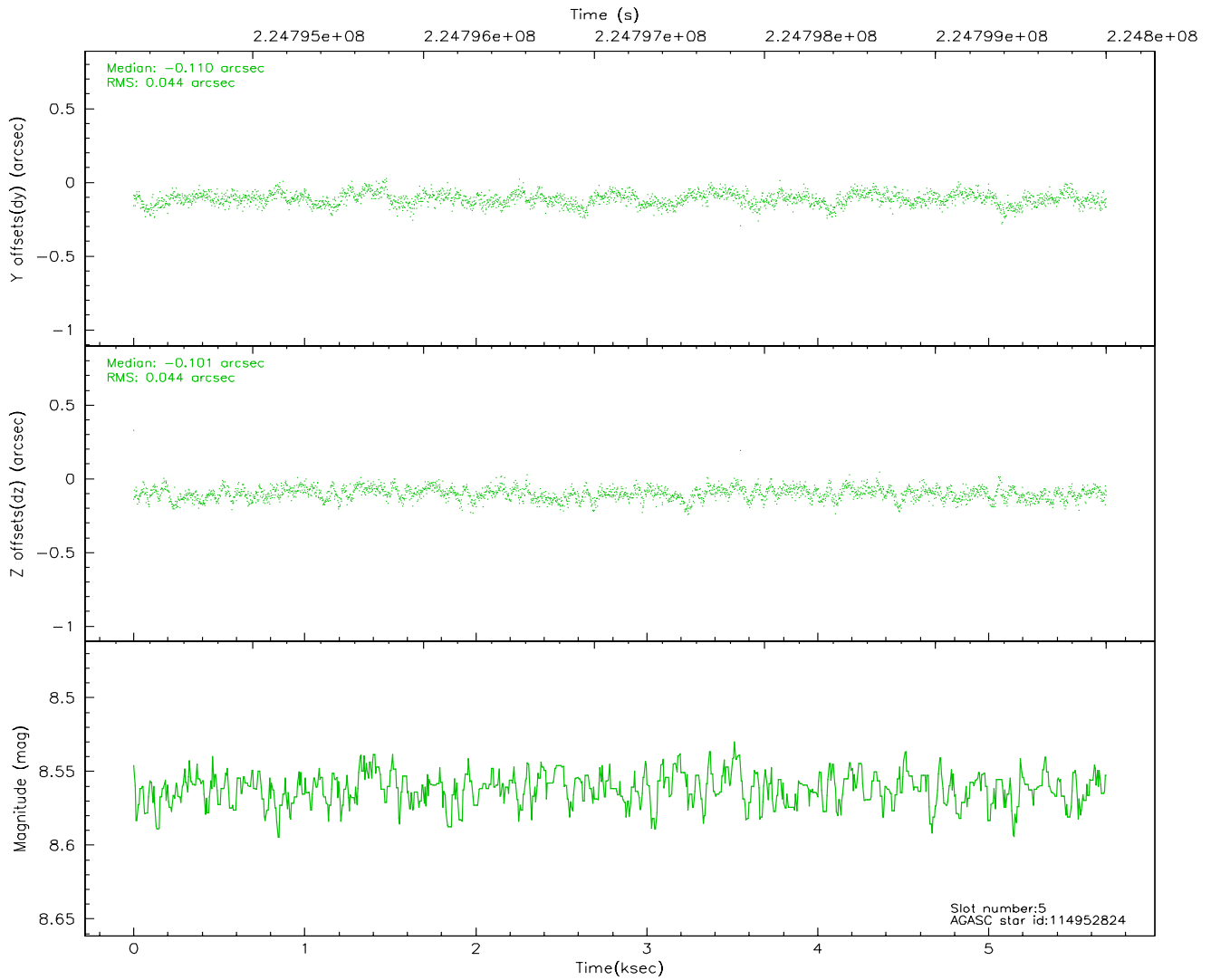
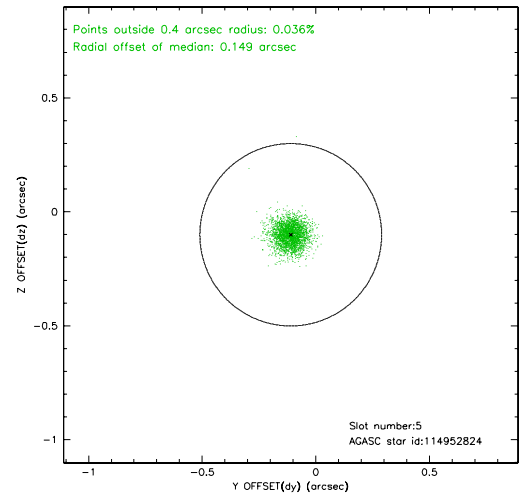
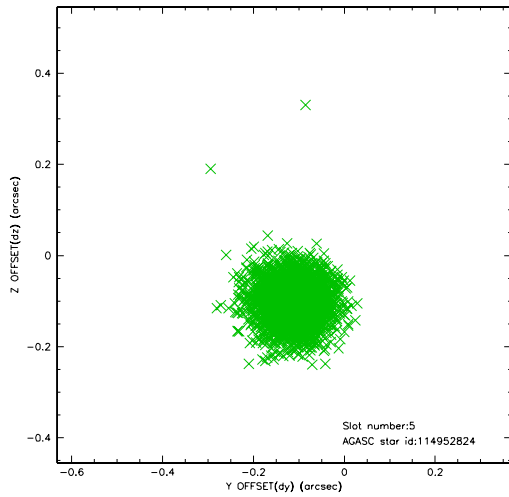
2.4.1 Slot 3



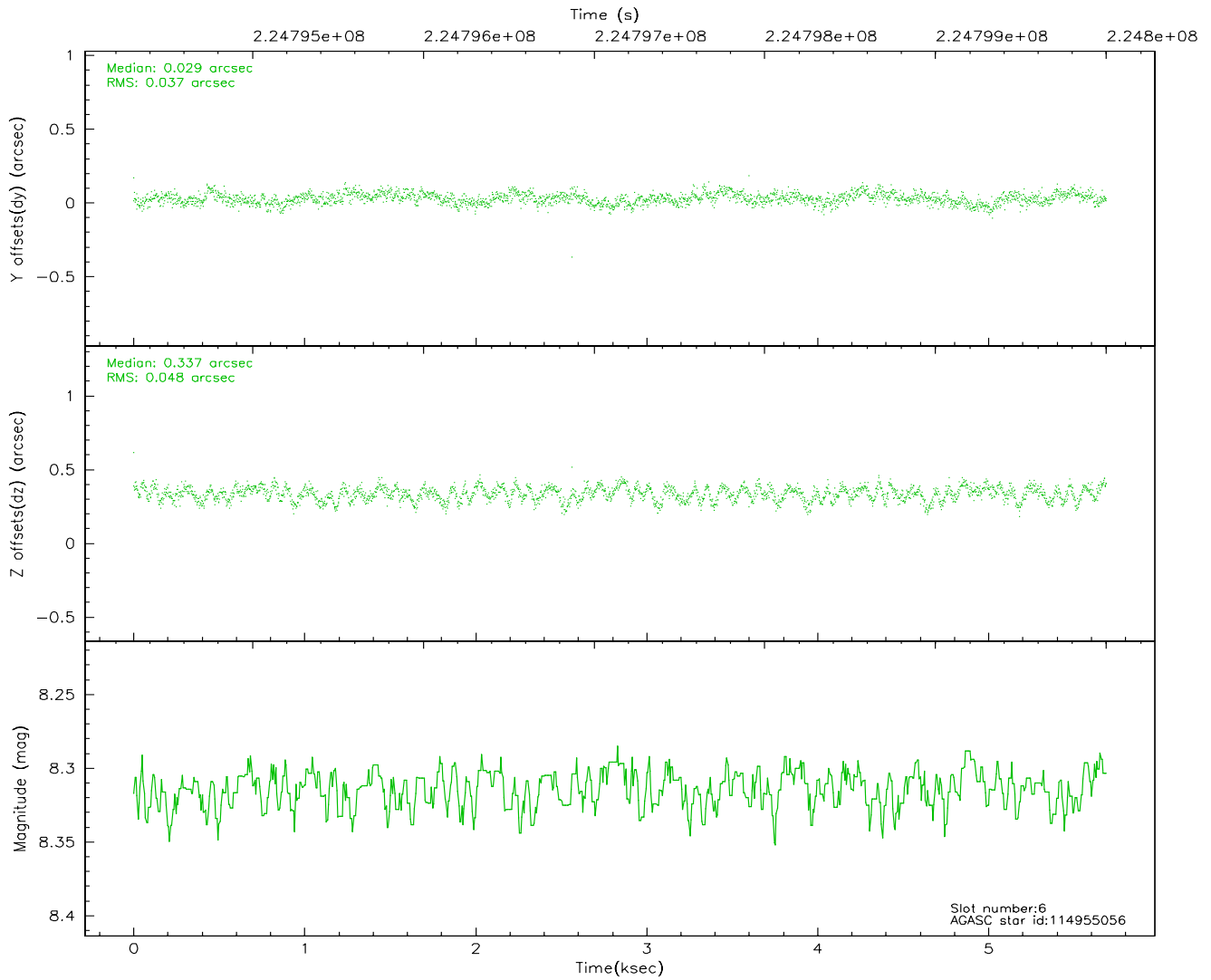
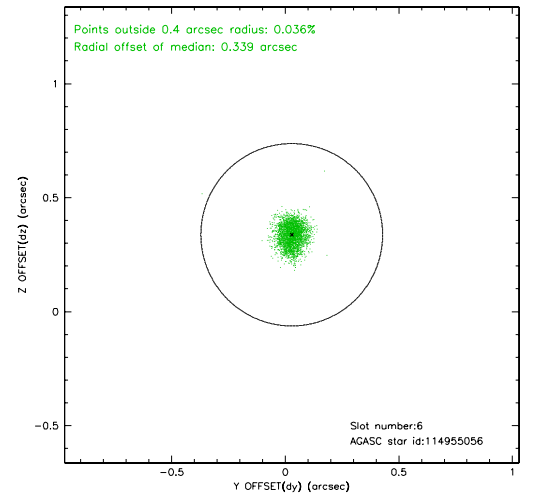
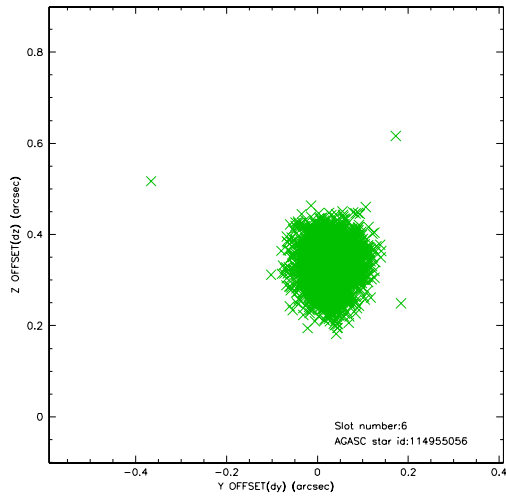
2.4.2 Slot 4



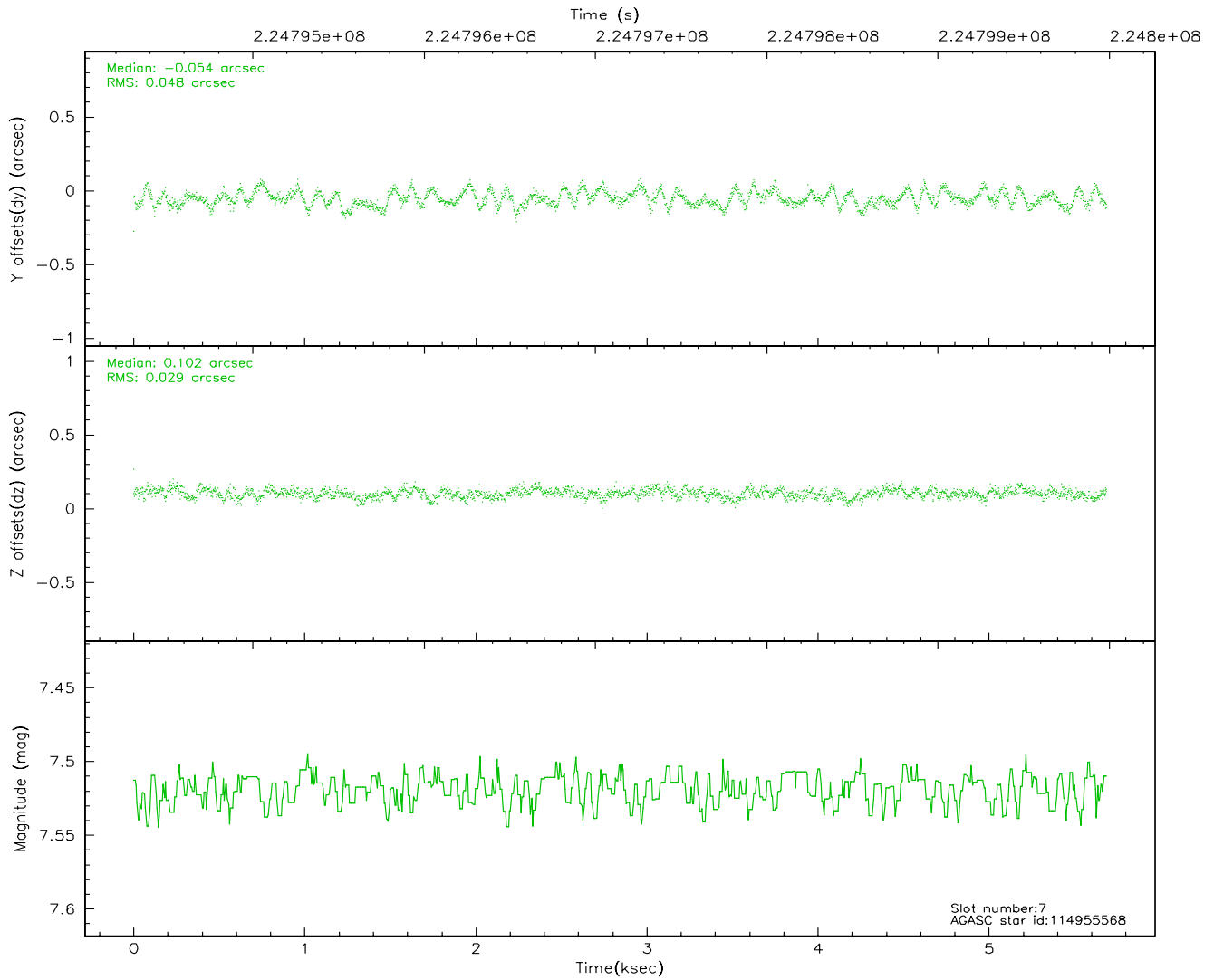
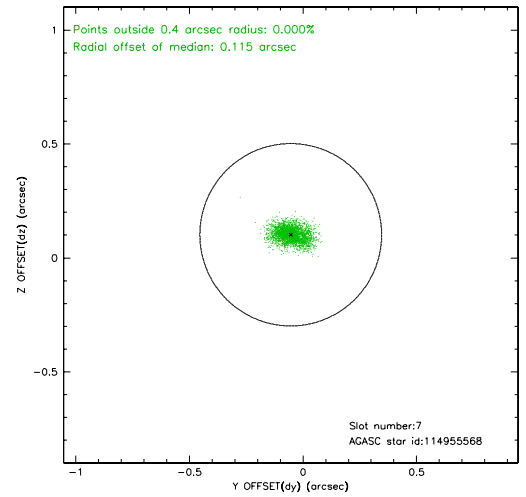
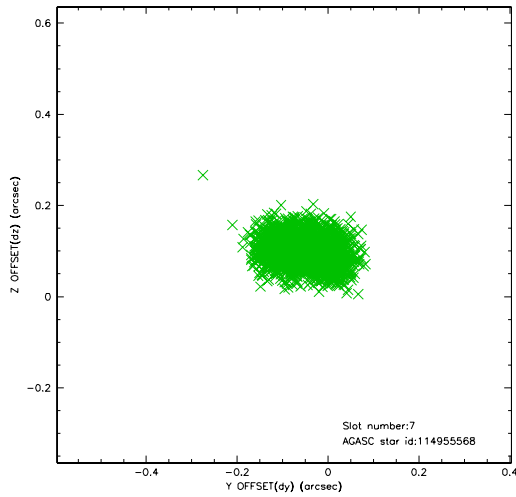
2.4.3 Slot 5



2.4.4 Slot 6

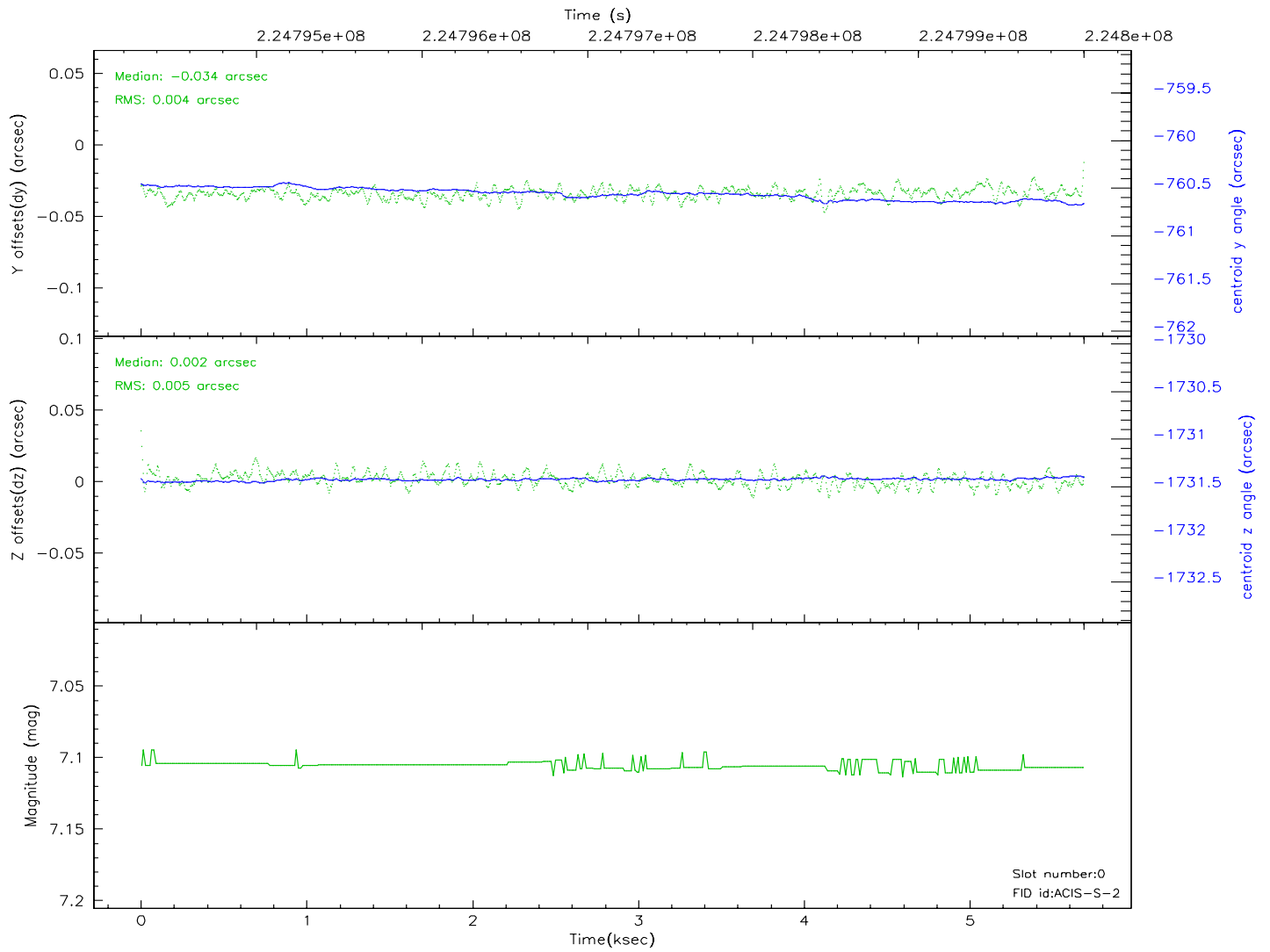
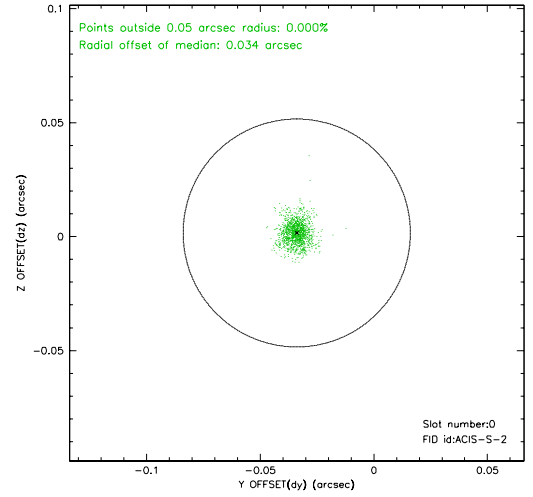
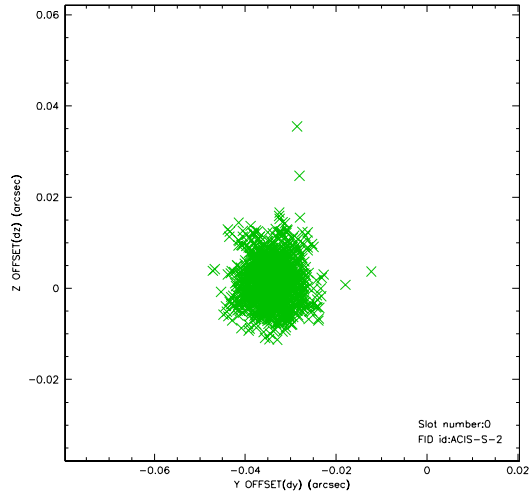


2.4.5 Slot 7

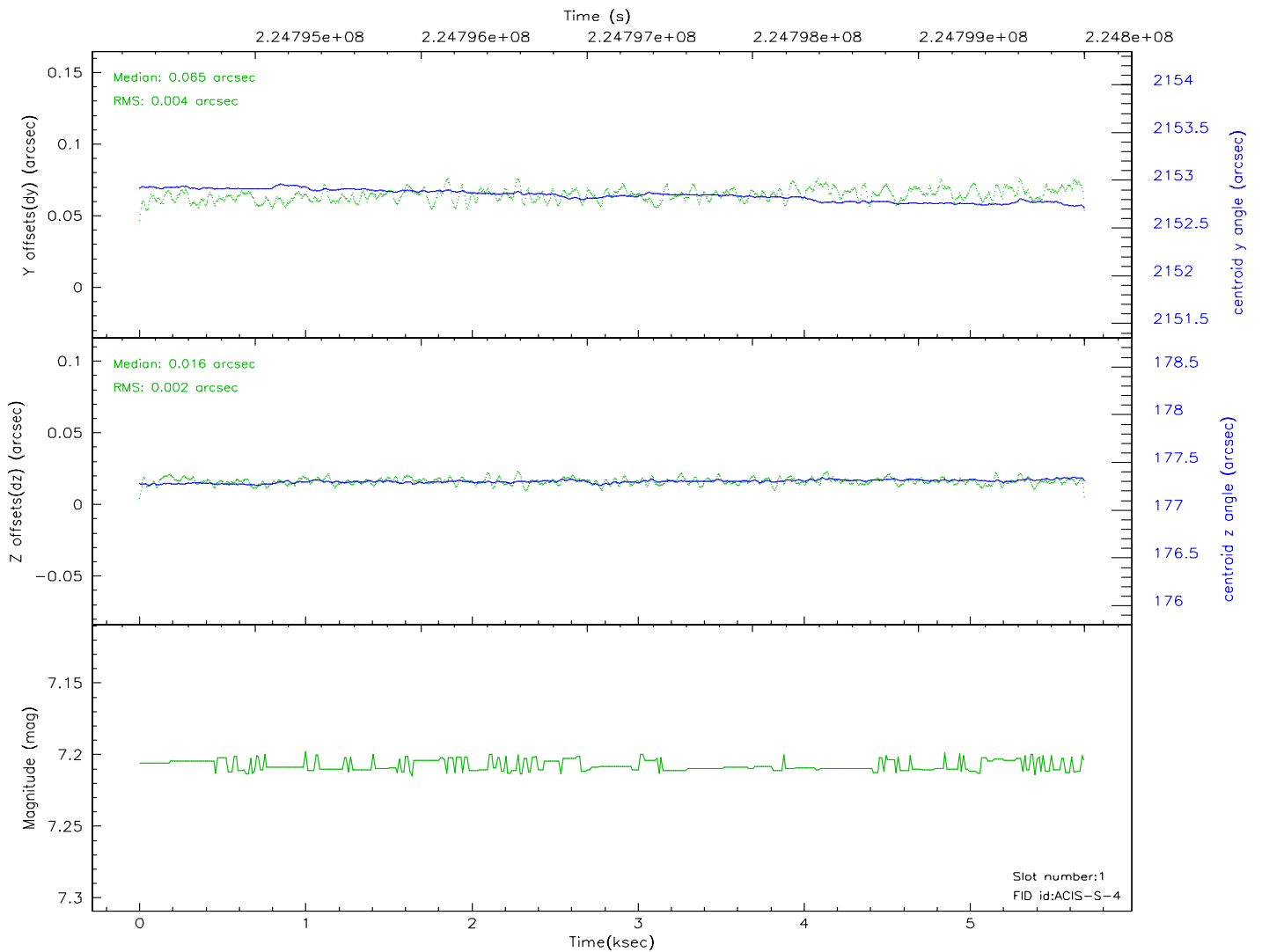
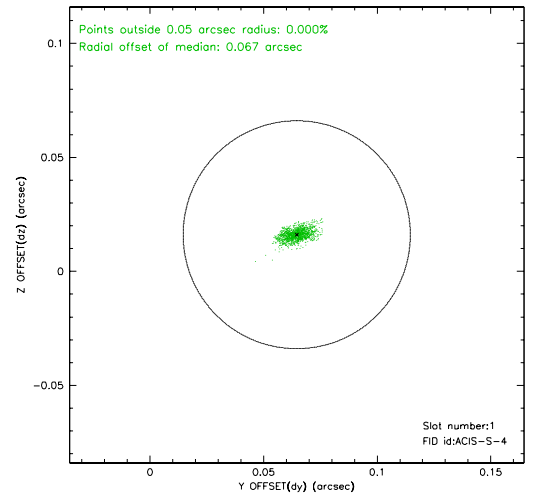
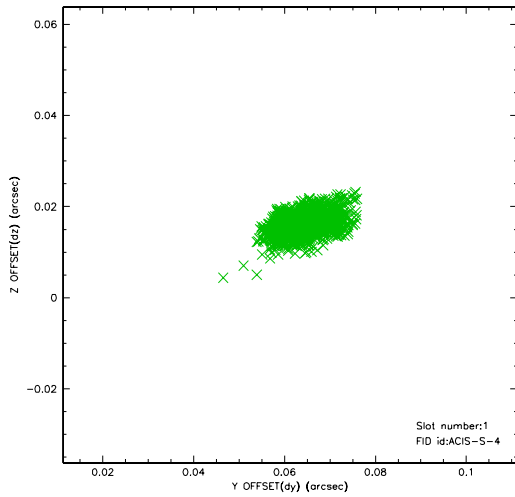


2.5 FID Slots

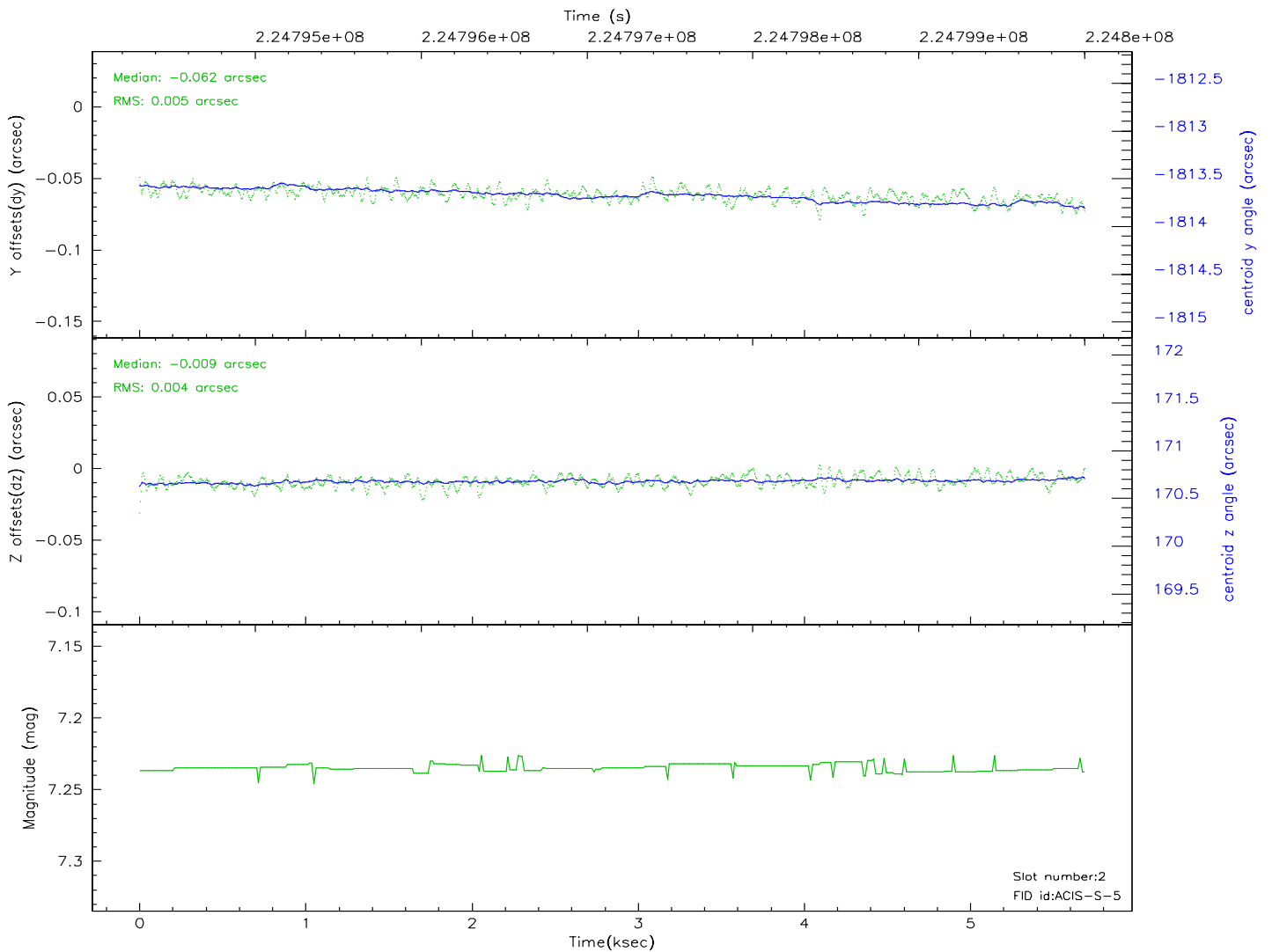
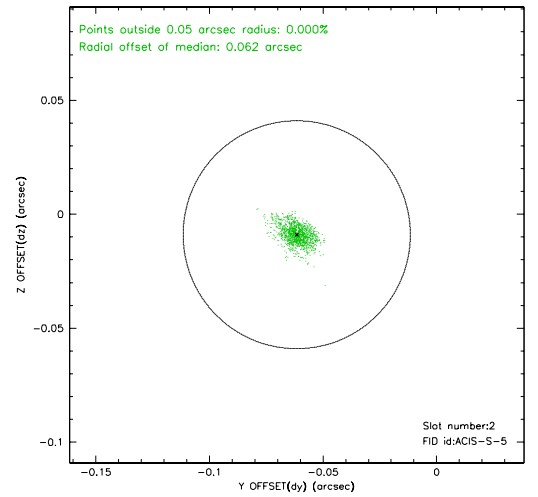
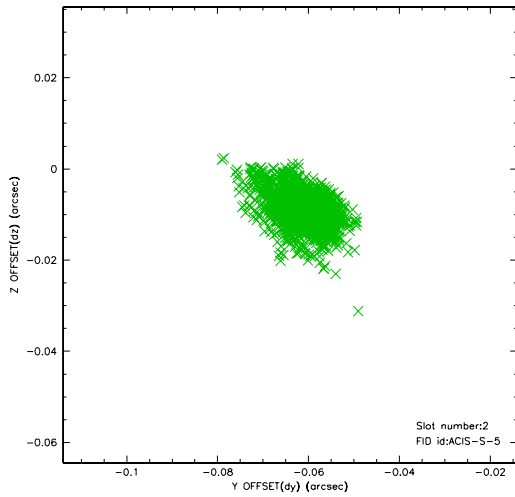
2.5.1 Slot 0



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)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6824

A.2 Comments

Window constraint satisfied.