

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4613 - L2 Version 001
Chandra X-Ray Center

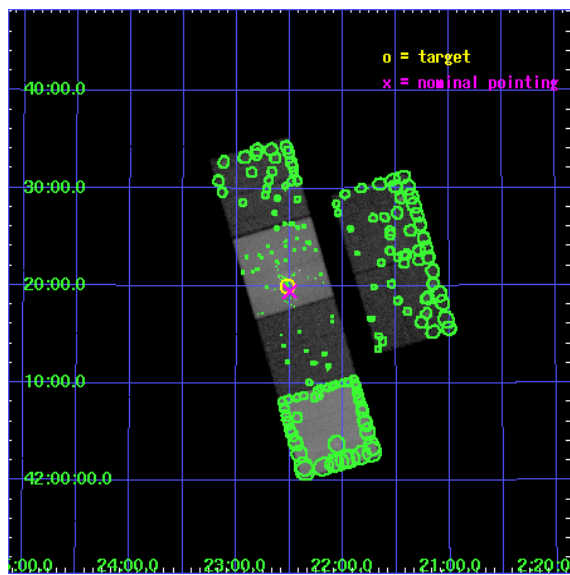
L2 Processing Date : Jun 23 2006

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

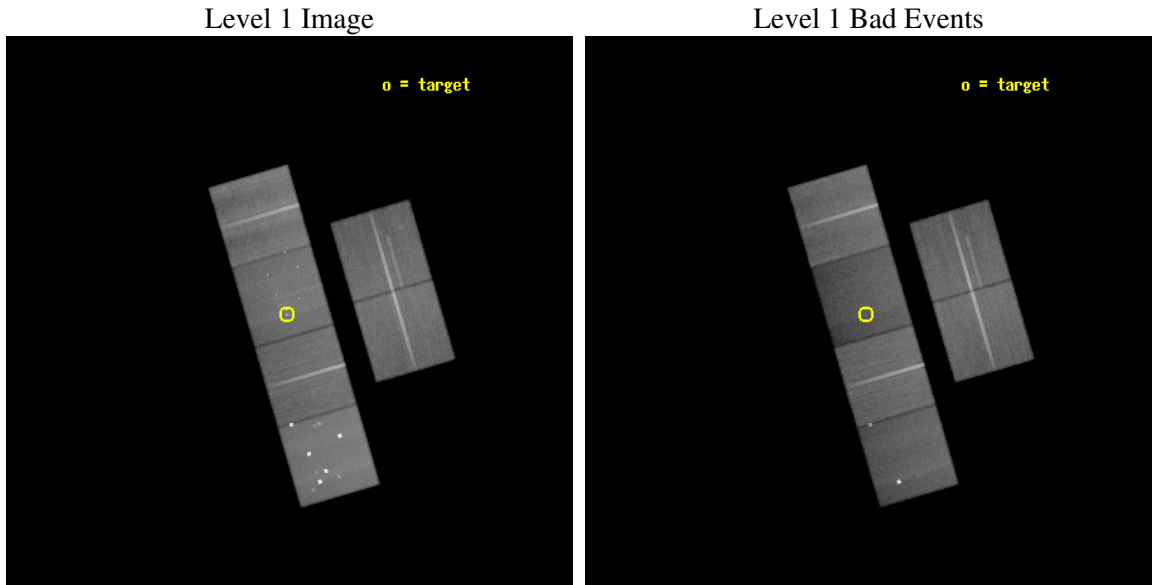
seq_num	500438
obs_id	4613
title	Monitoring Circumstellar Interaction in SN 1986J
observer	Dr. John Houck
object	SN 1986J
dtcycle	0
cycle	P
ra_targ	35.630417
dec_targ	42.332583
ra_nom	35.624600911355
dec_nom	42.323940987774
roll_nom	253.66462503741
revision	2
ontime	120403.19955146
livetime	118878.58174064
ontime2	120396.71756101
ontime3	120403.19955146
ontime5	120403.19955146
ontime6	120403.19955146
ontime7	120403.19955146
ontime8	120399.95854127
l2events	812547



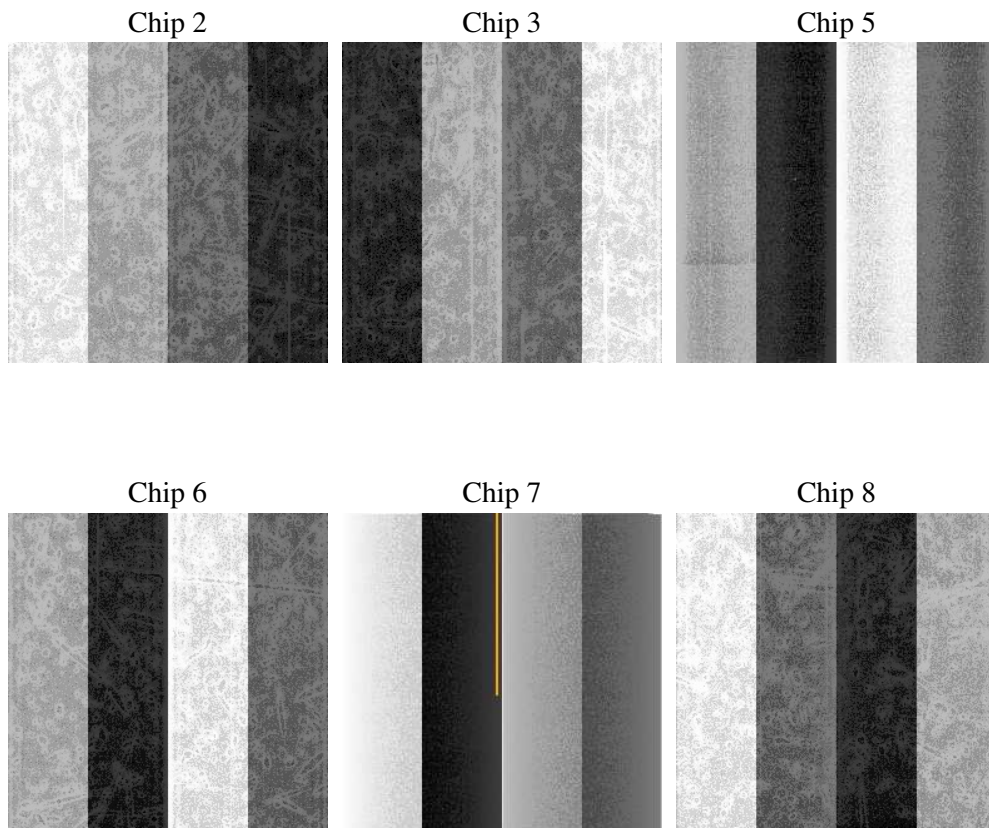
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-23T17:16:44
revision	2

sched_exp_time	120223.331000
ontime	122160.17370108
ontime2	122075.90675062
ontime3	122088.87088084
ontime5	122160.17370108
ontime6	122095.35290107
ontime7	122160.17370108
ontime8	122082.38877088
l1events	3710271

2.1.4 Events

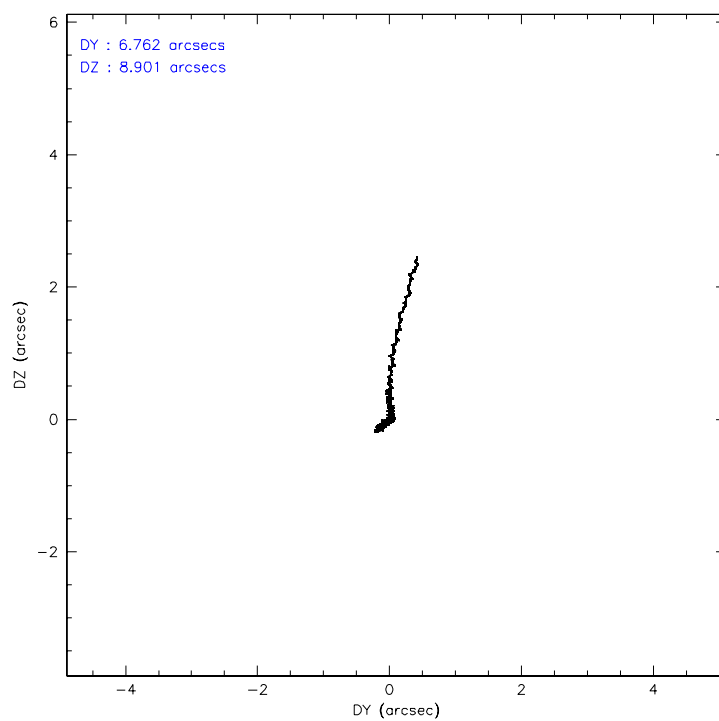
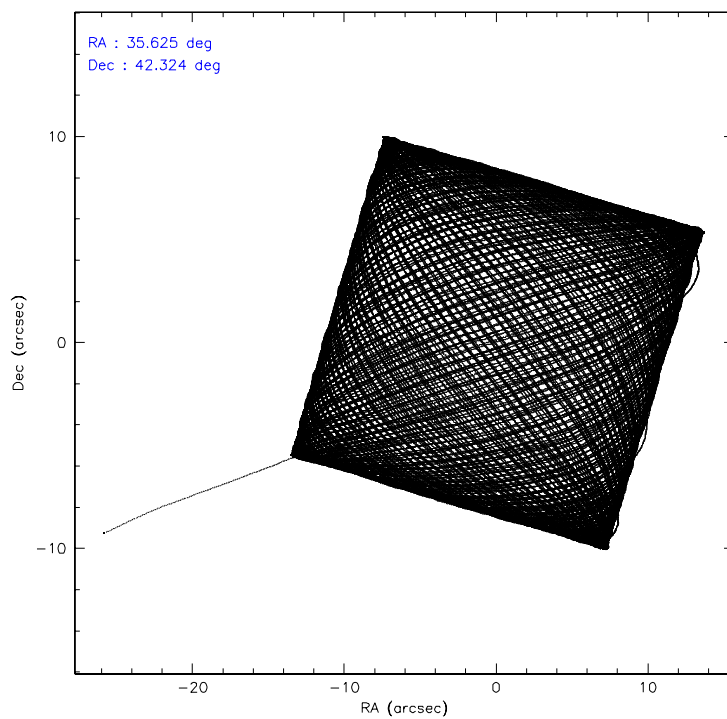
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	574858	526960	826564	550147	570331	661411
rejected events	518781	473016	362527	490960	288766	511183
rejected %	90%	89%	43%	89%	50%	77%

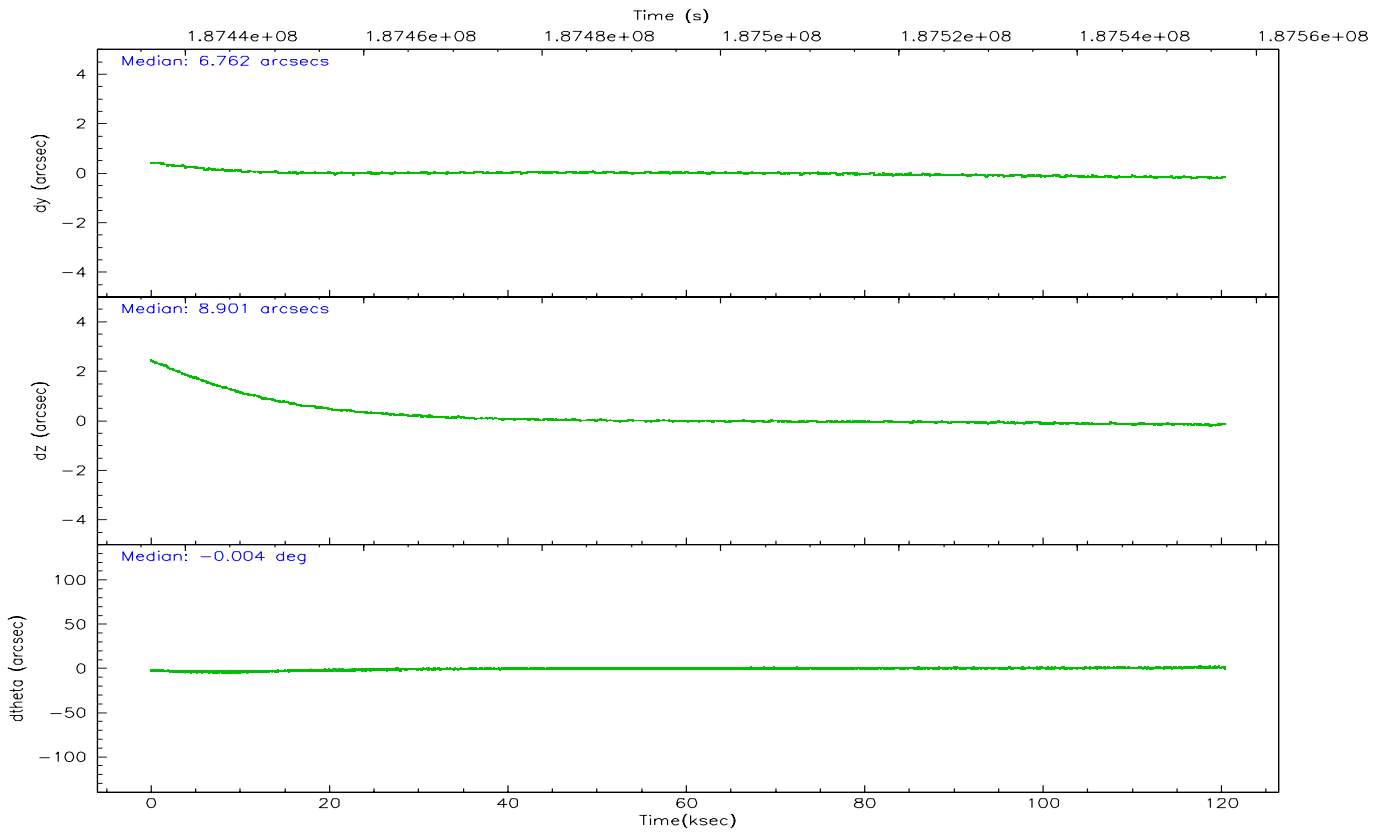
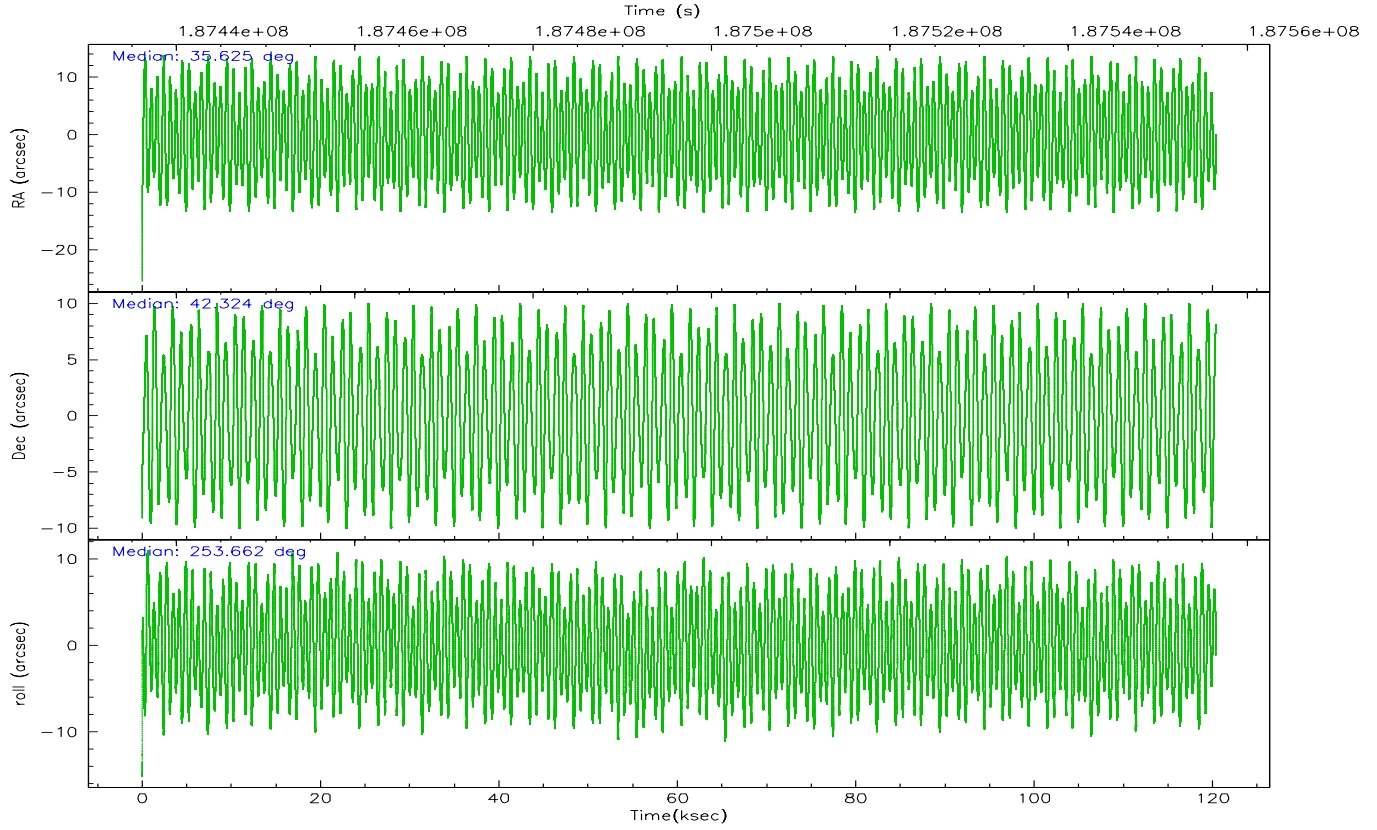
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	23233	22591	109380	23755	25199	45176
	4%	4%	13%	4%	4%	6%
grade 1 events	292	279	663	249	313	462
	0%	0%	0%	0%	0%	0%
grade 2 events	12465	10835	128894	12230	72024	34611
	2%	2%	15%	2%	12%	5%
grade 3 events	5866	5910	13836	6443	19122	16484
	1%	1%	1%	1%	3%	2%
grade 4 events	5762	6006	11967	6130	18429	15596
	1%	1%	1%	1%	3%	2%
grade 5 events	15755	18277	43494	19293	42439	28332
	2%	3%	5%	3%	7%	4%
grade 6 events	9445	9286	205292	11413	150229	40418
	1%	1%	24%	2%	26%	6%
grade 7 events	502040	453776	313038	470634	242576	480332
	87%	86%	37%	85%	42%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	35.615411	35.62460091135475	Alternating exposures requested	N	N
Pointing Dec	42.350298	42.32394098777421	Primary exposure time	0.000000	3.2
Pointing Roll	253.514188	253.6646250374072			
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	187436327.184000	187434382.70427			
Observation start date	2003-12-10T09:37:43	2003-12-10T09:06:22			
Observation end time	187556550.184000	187556865.08459			
Observation end date	2003-12-11T19:01:26	2003-12-11T19:07:45			
Read mode	TIMED	TIMED			

2.3 Aspect



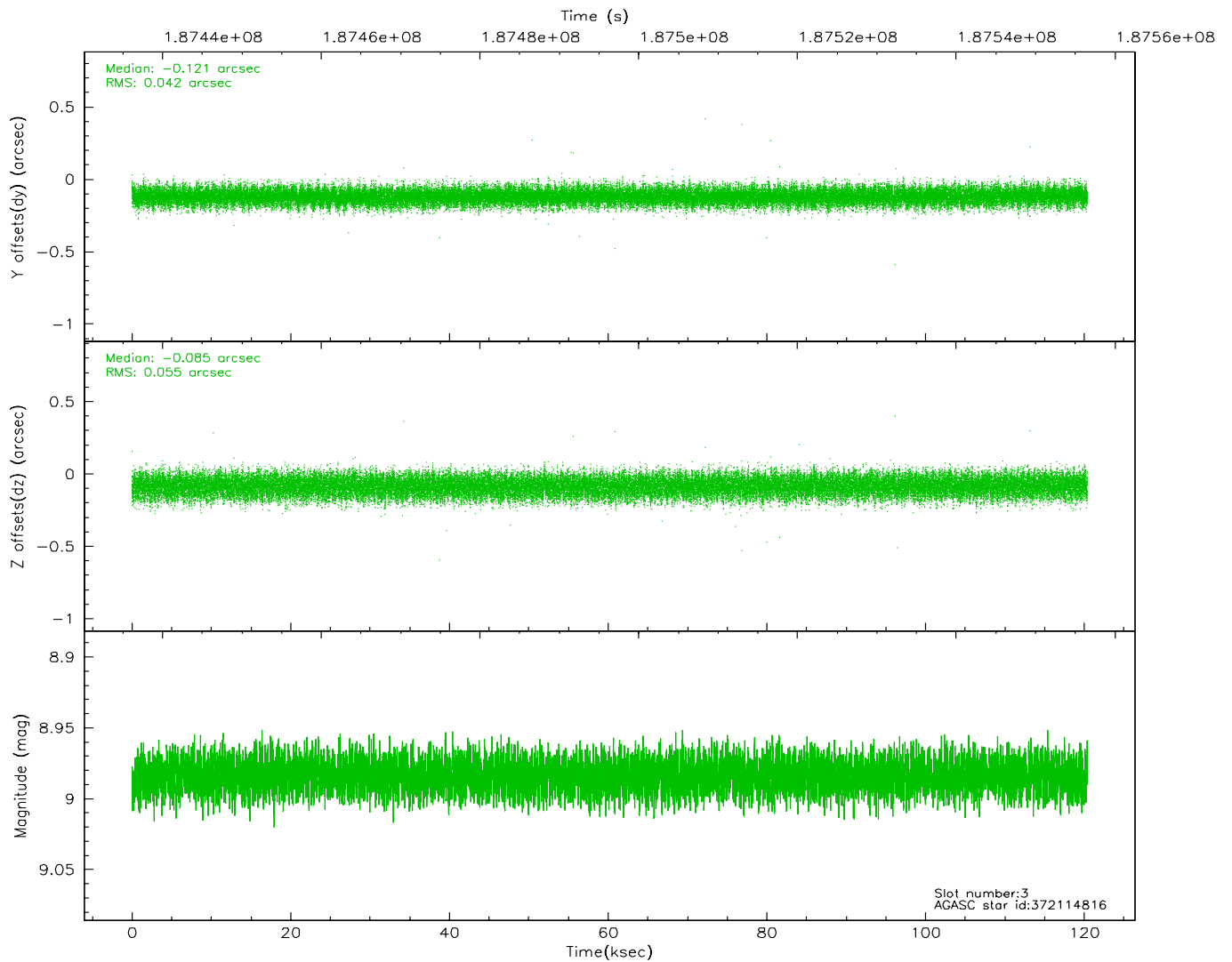
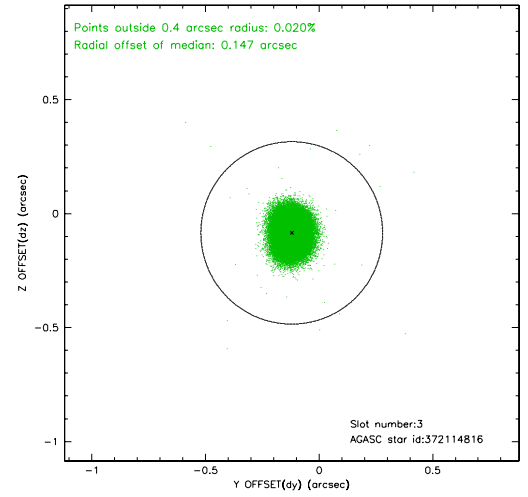
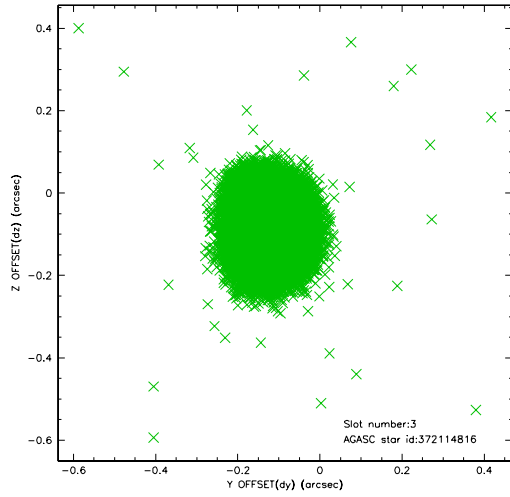


Slot Statistics

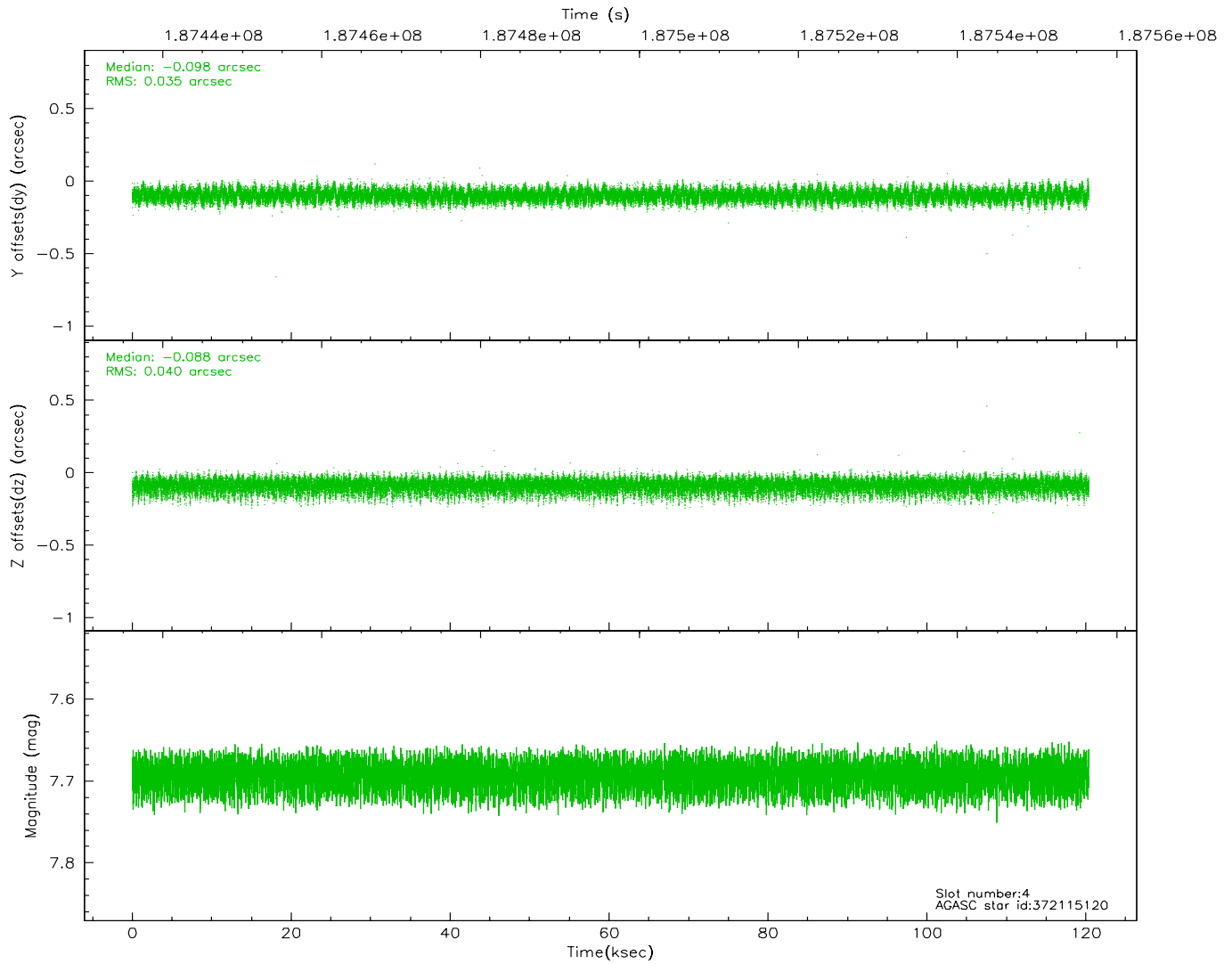
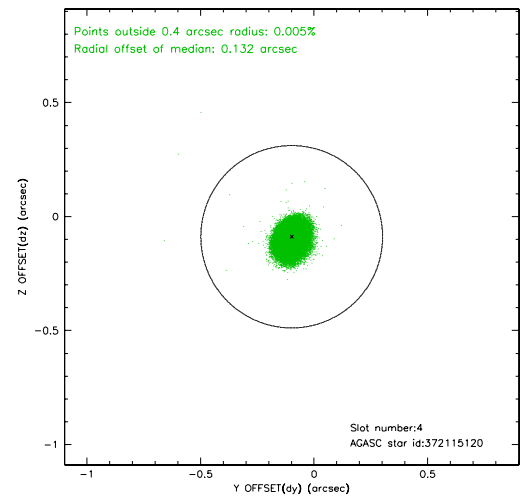
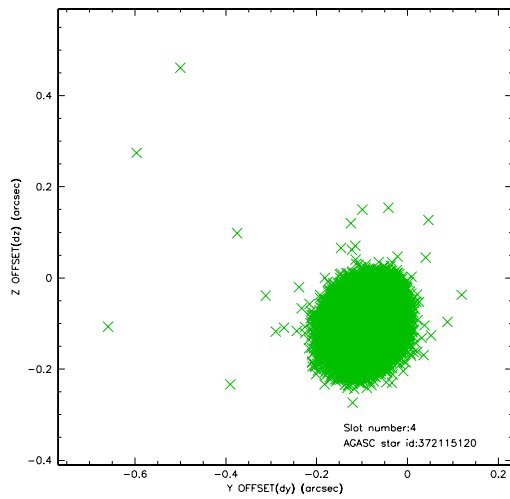
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	29367	-0.032	-0.025	0.009	0.030	0.000000	0.000000	-759.52	-1730.37
1	FID	ACIS-S-4	7.21	29366	0.038	0.022	0.005	0.010	0.000000	0.000000	2153.86	178.27
2	FID	ACIS-S-5	7.23	29366	-0.036	0.012	0.009	0.028	0.000000	0.000000	-1812.50	171.81
3	GUIDE	372114816	8.98	58714	-0.121	-0.085	0.074	0.117	35.088053	43.003064	-1863.38	-1999.45
4	GUIDE	372115120	7.69	58728	-0.098	-0.088	0.056	0.092	35.261123	42.943957	-1786.07	-1502.32
5	GUIDE	372117744	9.19	58710	0.161	0.043	0.072	0.117	35.244211	42.008785	1459.00	-603.50
6	GUIDE	372120448	8.19	58731	0.029	0.070	0.050	0.083	35.866153	41.742261	1907.07	1267.14
7	GUIDE	372119280	9.72	58691	0.031	0.063	0.121	0.194	36.354317	42.871952	-2361.82	1333.95

2.4 Star Slots

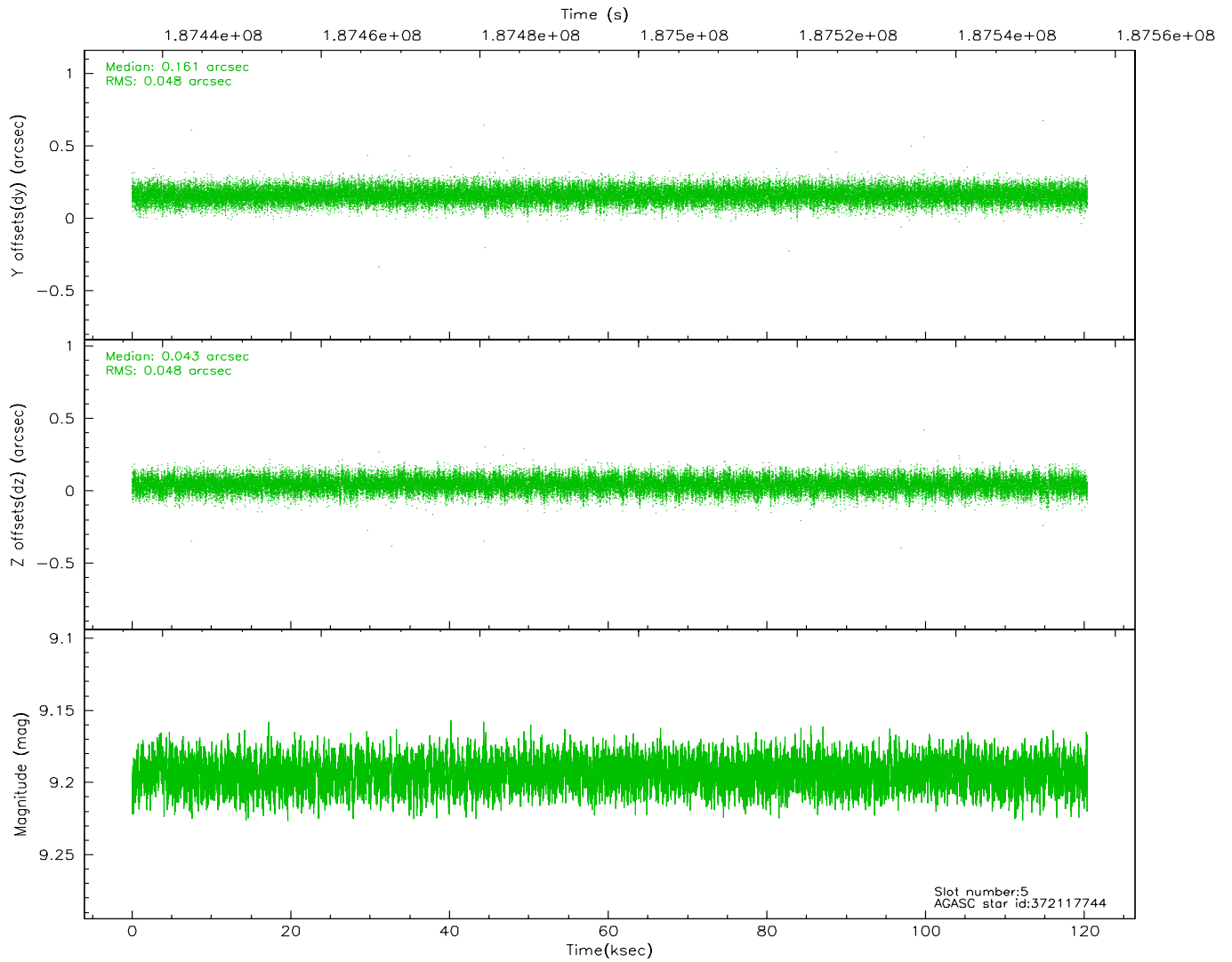
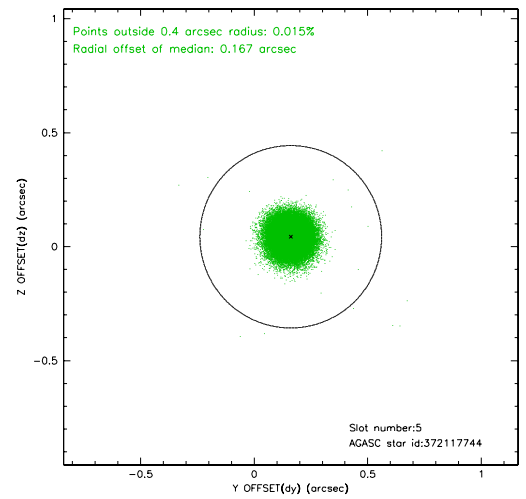
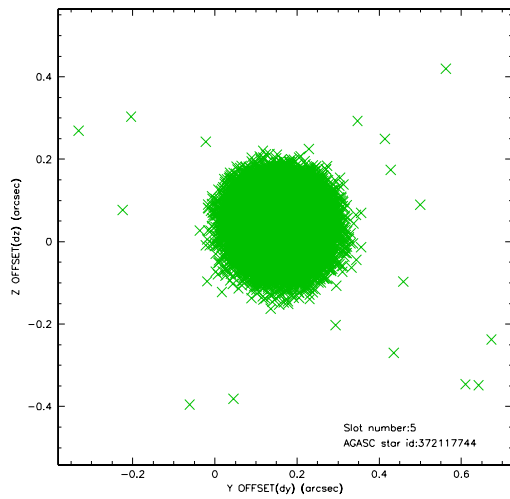
2.4.1 Slot 3



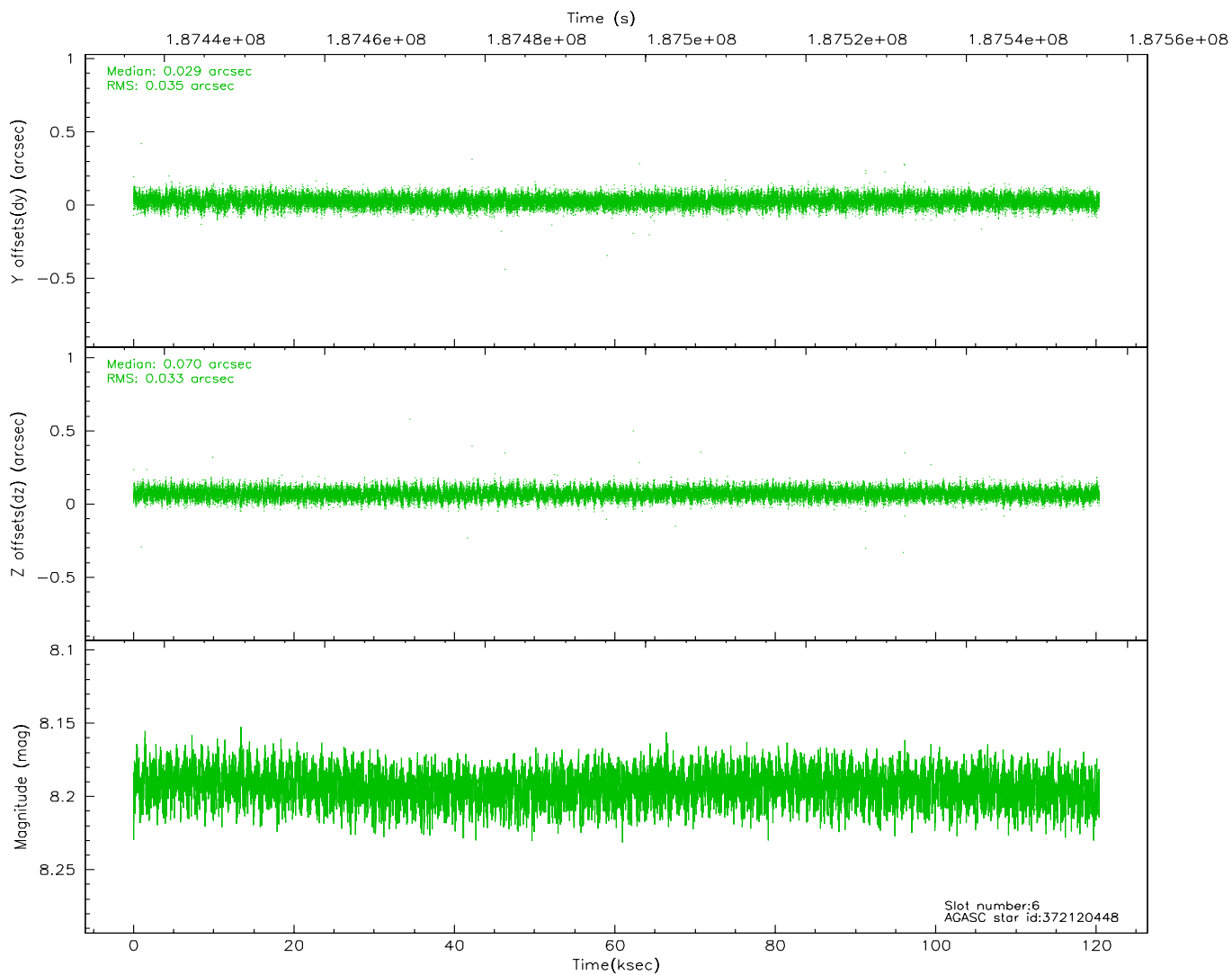
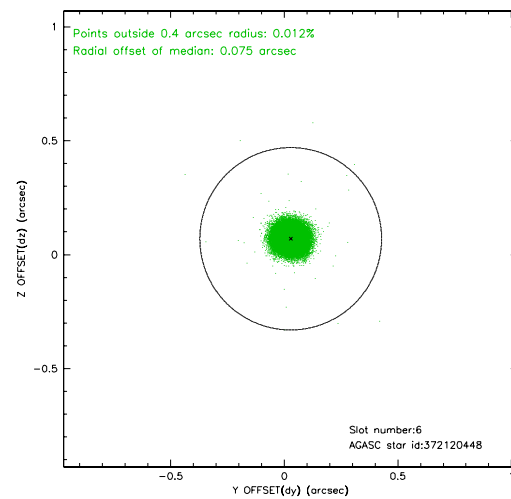
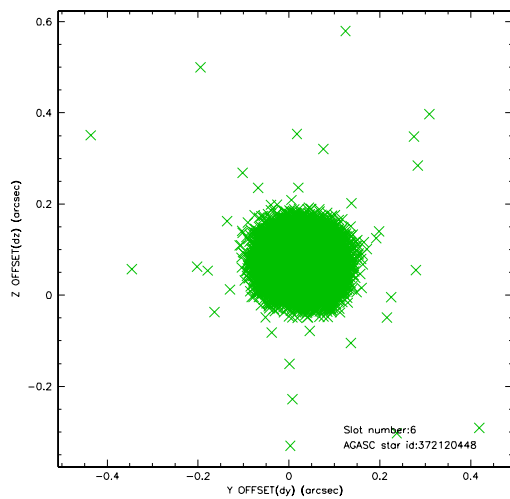
2.4.2 Slot 4



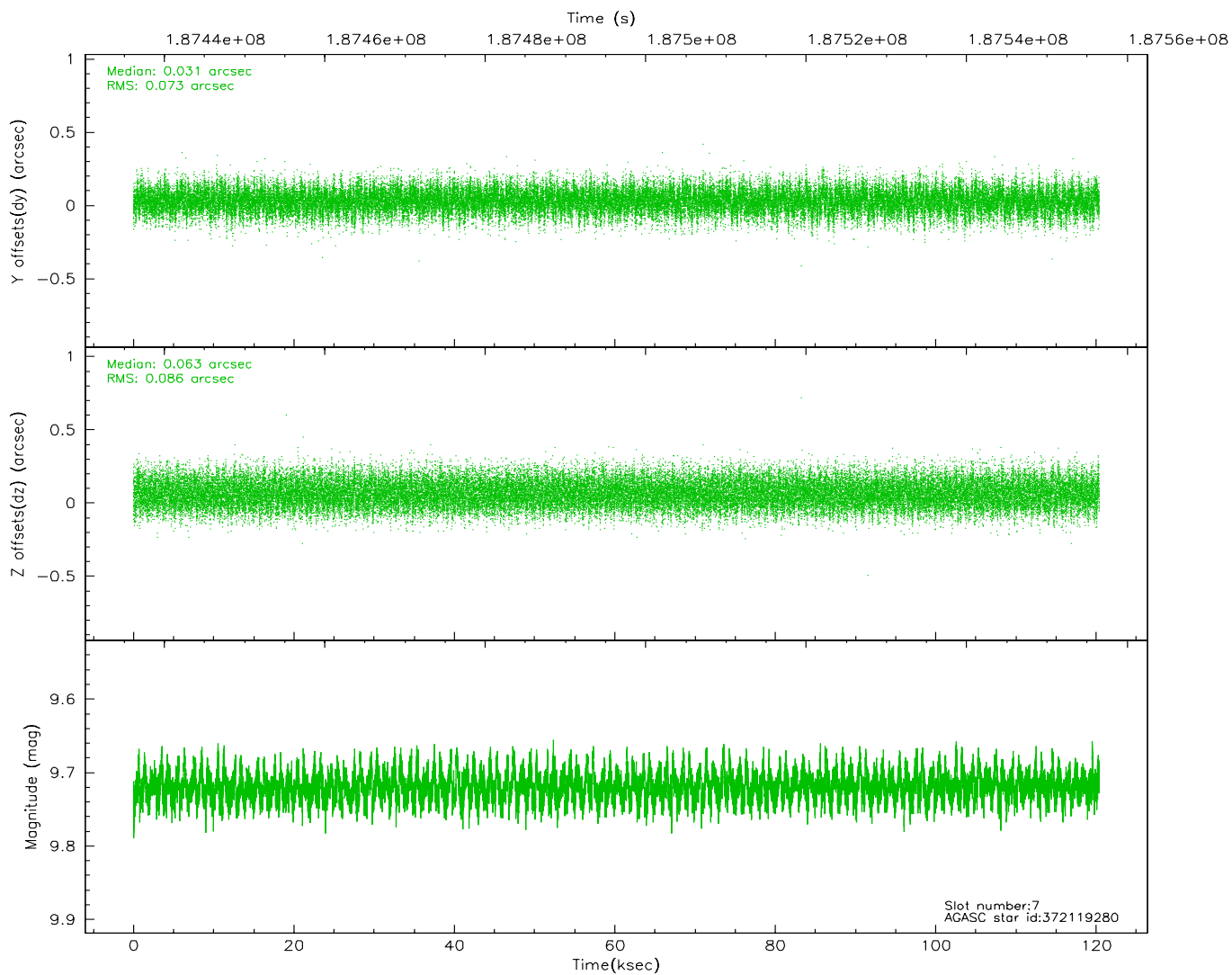
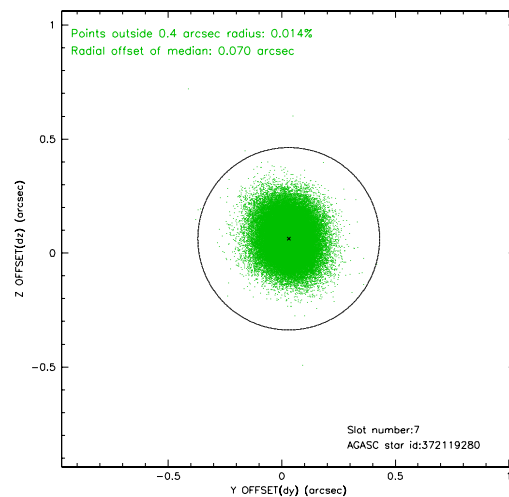
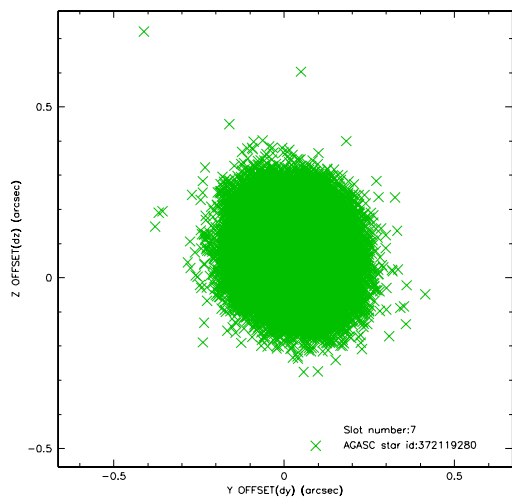
2.4.3 Slot 5



2.4.4 Slot 6

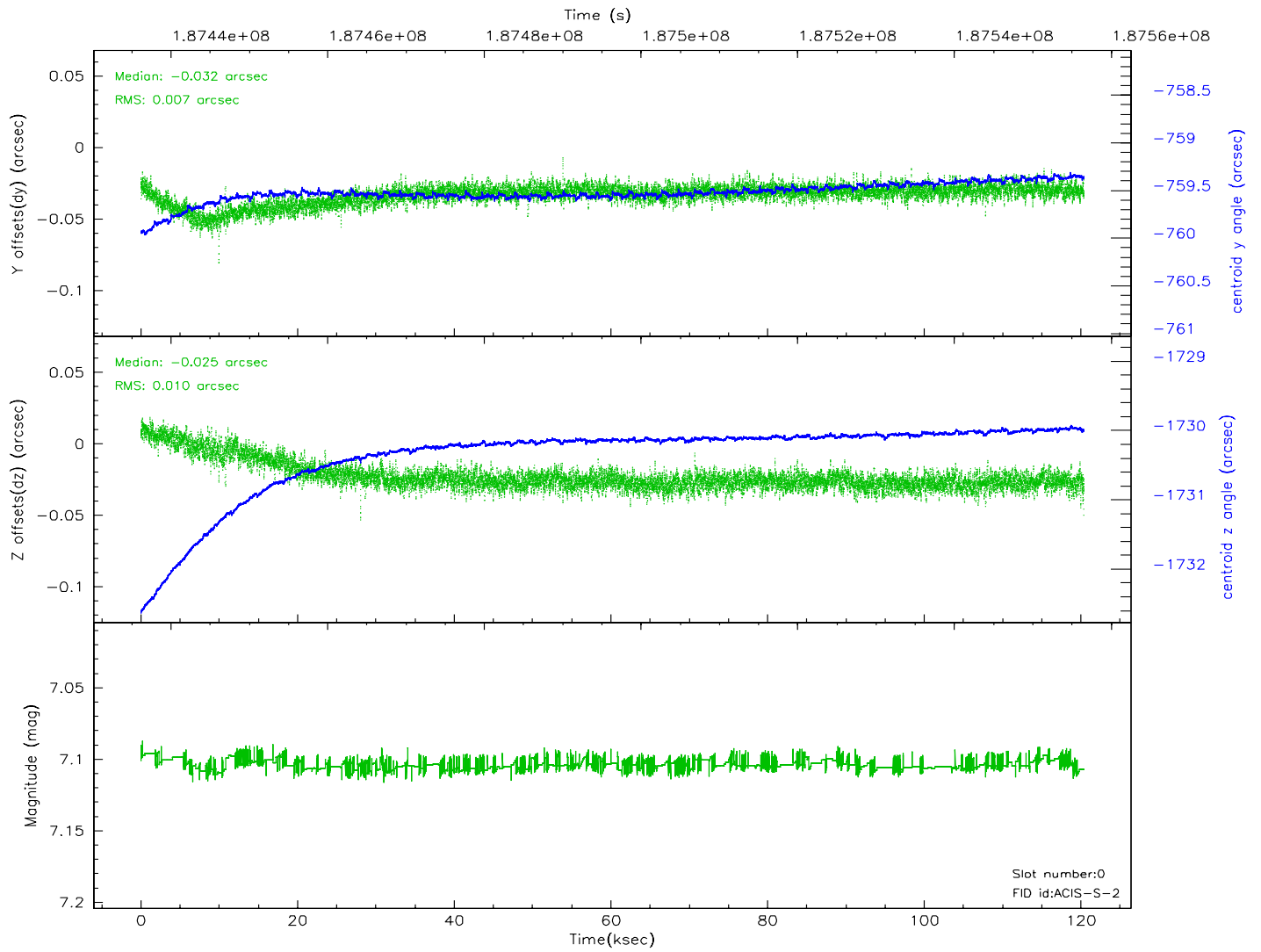
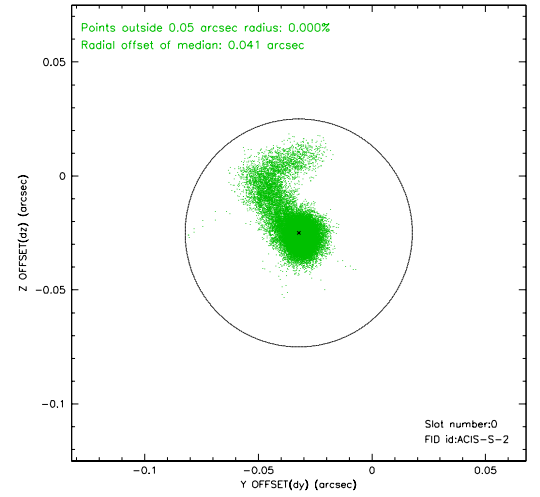
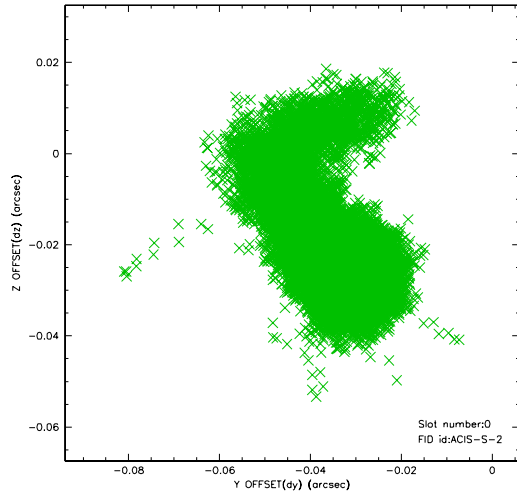


2.4.5 Slot 7

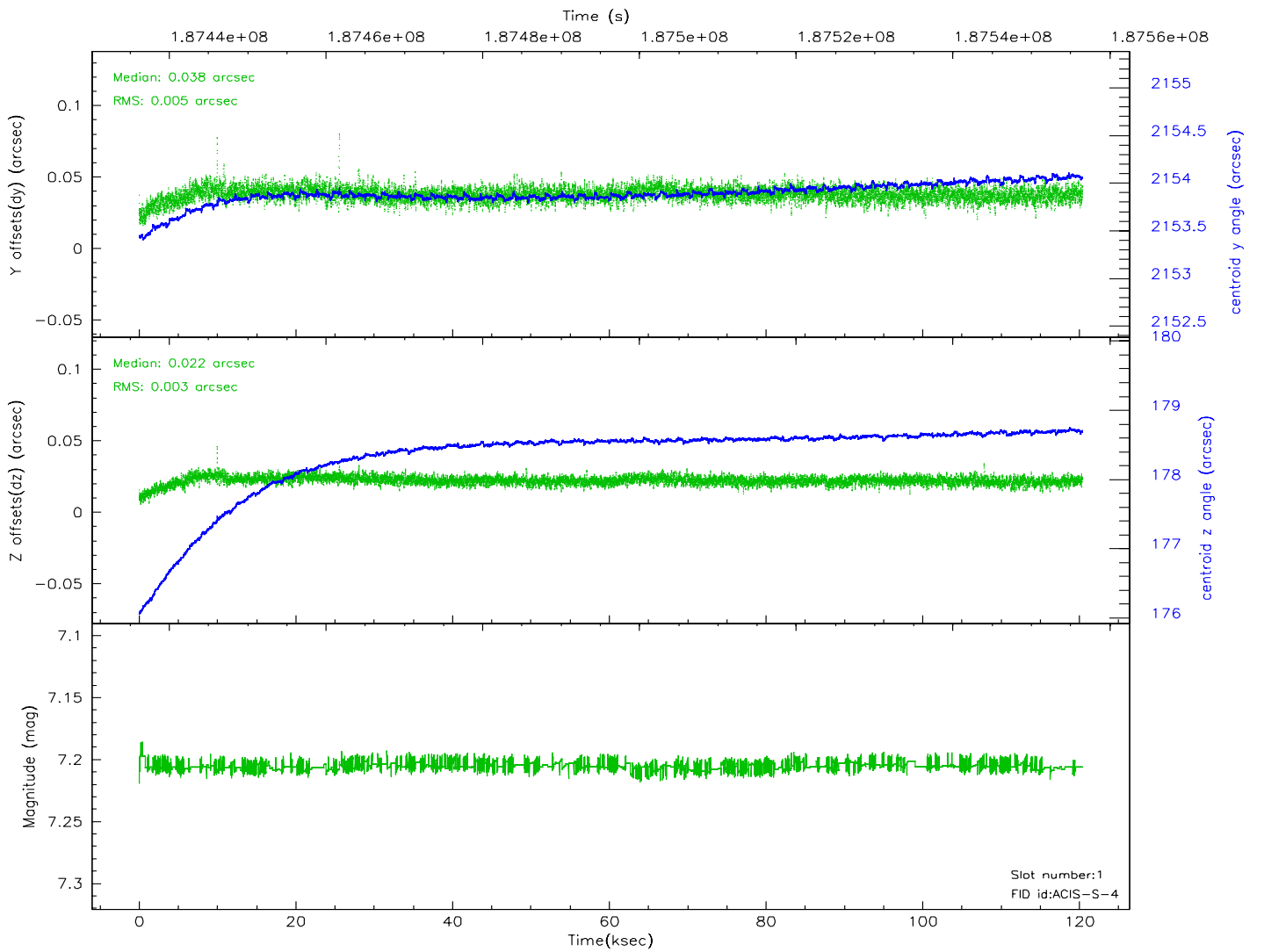
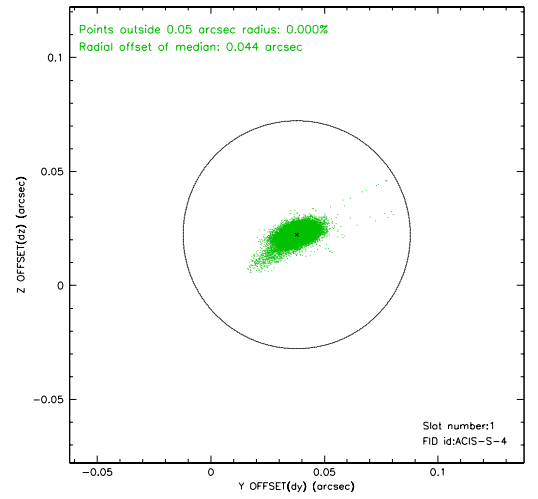
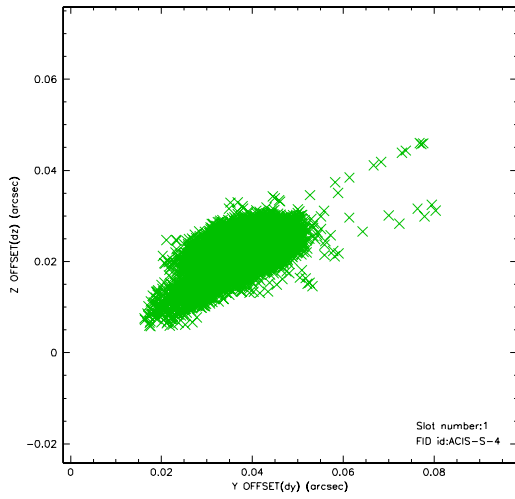


2.5 FID Slots

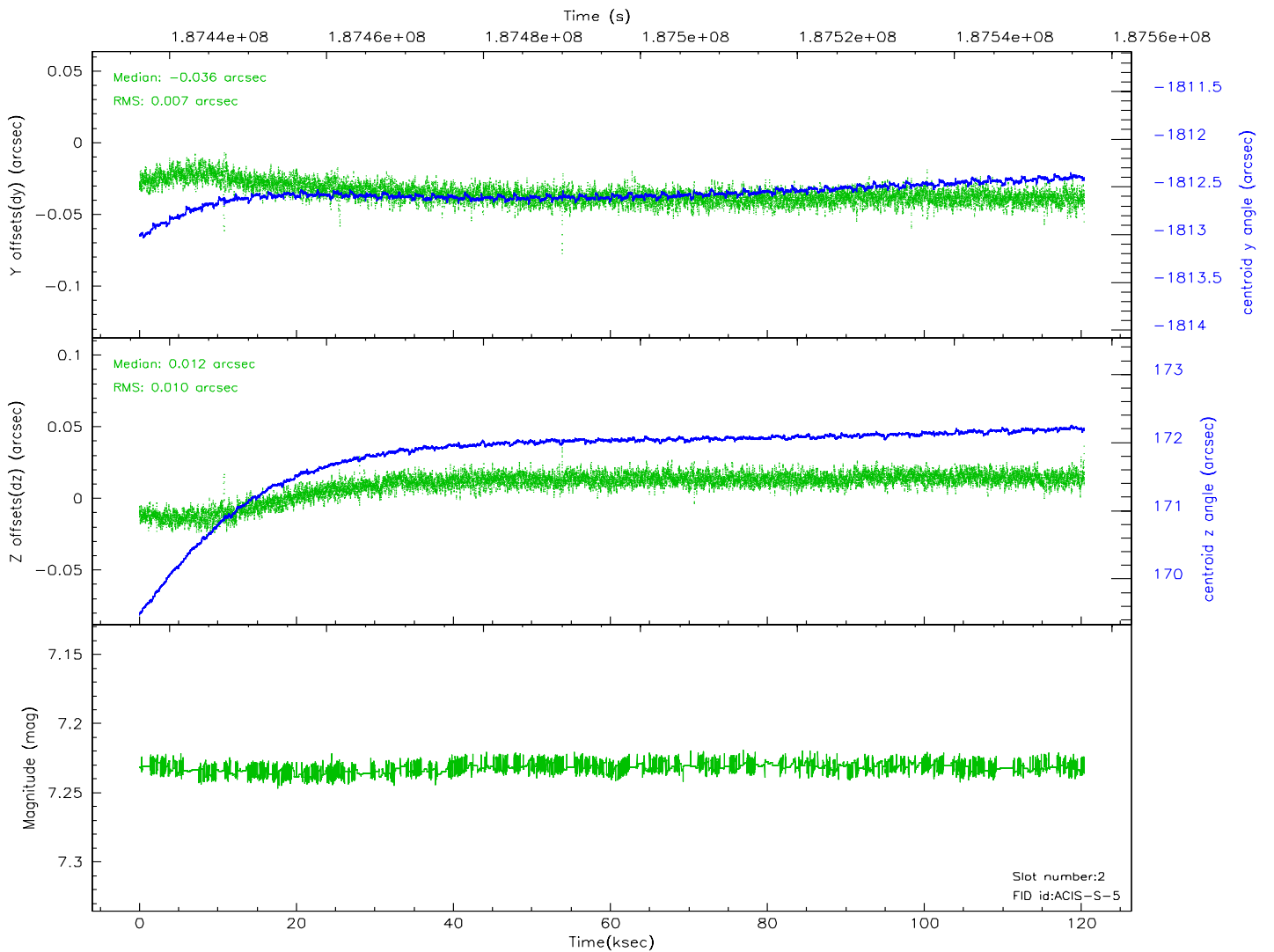
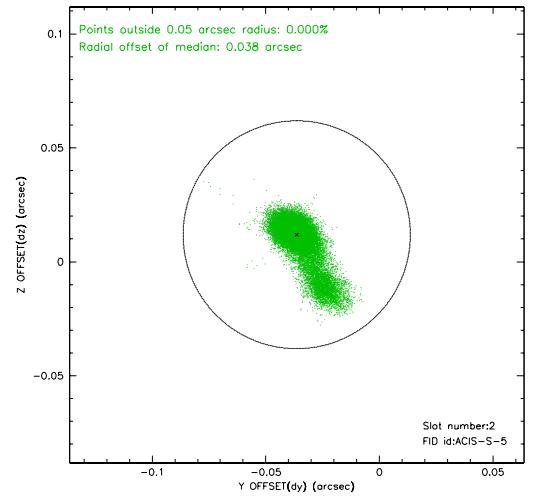
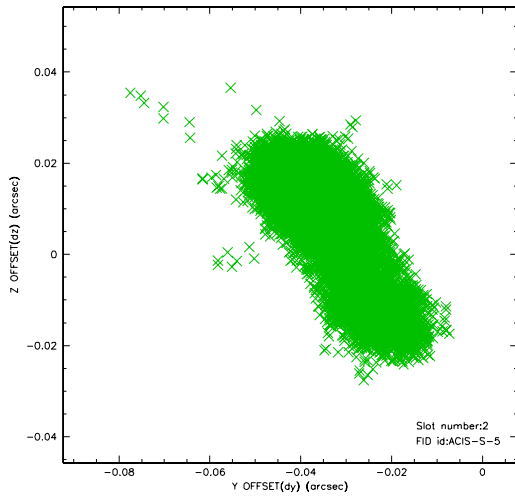
2.5.1 Slot 0



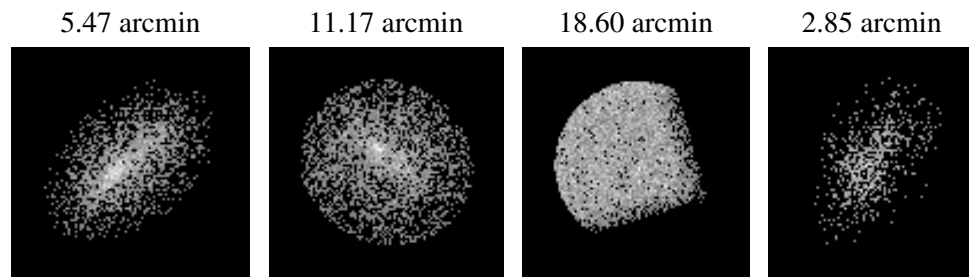
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	120.403

A.2 Comments

Focal plane temperature is warmer than -118 degrees during final ~10 ksec of observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.