

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2737 - L2 Version 001
Chandra X-Ray Center

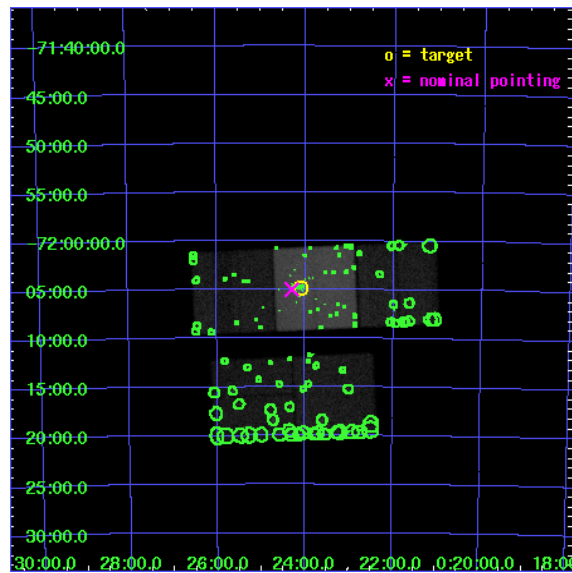
L2 Processing Date : Oct 5 2006

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

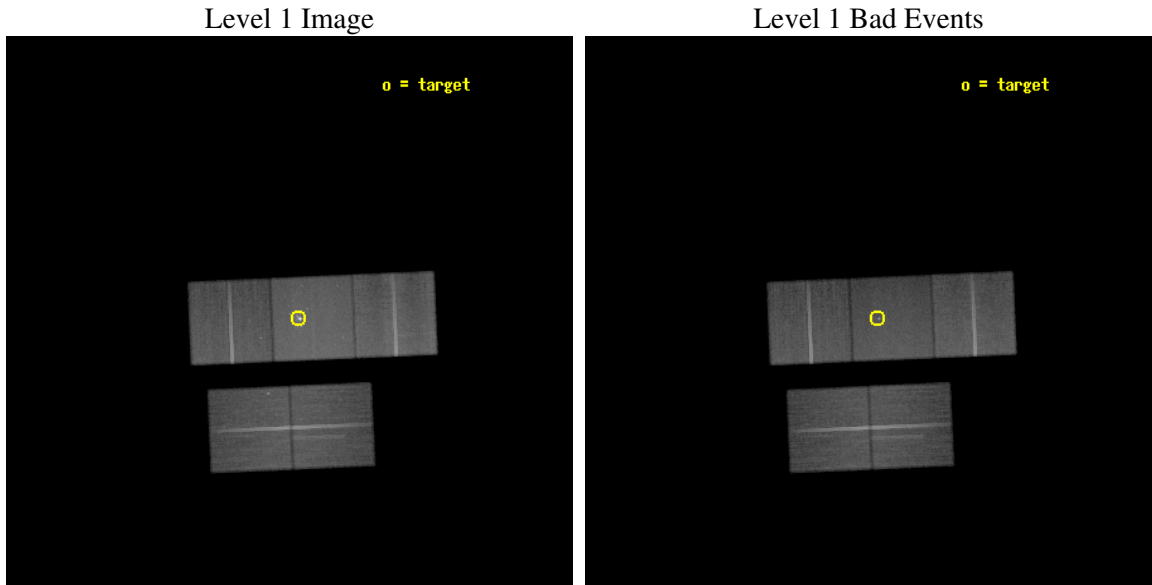
seq_num	400217
obs_id	2737
title	COMPLETE COMPACT OBJECT AND BINARY SURVEY OF 47TUC
observer	Prof. Jonathan Grindlay
object	47 TUCANAE
dtcycle	0
cycle	P
ra_targ	6.024167
dec_targ	-72.080889
ra_nom	6.0749104264357
dec_nom	-72.083304184022
roll_nom	357.49294596596
revision	2
ontime	66104.399872899
livetime	65240.697223208
ontime2	66098.117962331
ontime3	66098.117932439
ontime6	66104.399872899
ontime7	66104.399872899
ontime8	66101.258882761
l2events	413813



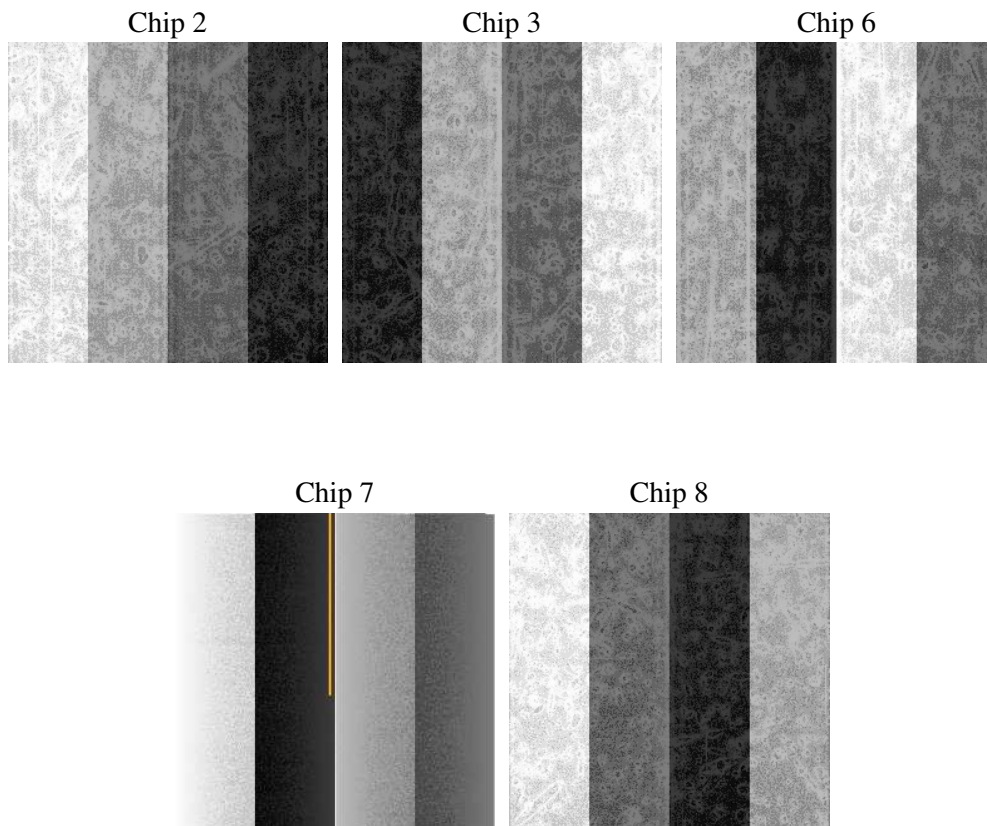
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-05T20:59:24
revision	2

sched_exp_time	66000.000000
ontime	66108.67306751
ontime2	66102.391156942
ontime3	66102.39112705
ontime6	66108.67306751
ontime7	66108.67306751
ontime8	66105.532077372
l1events	2362064

2.1.4 Events

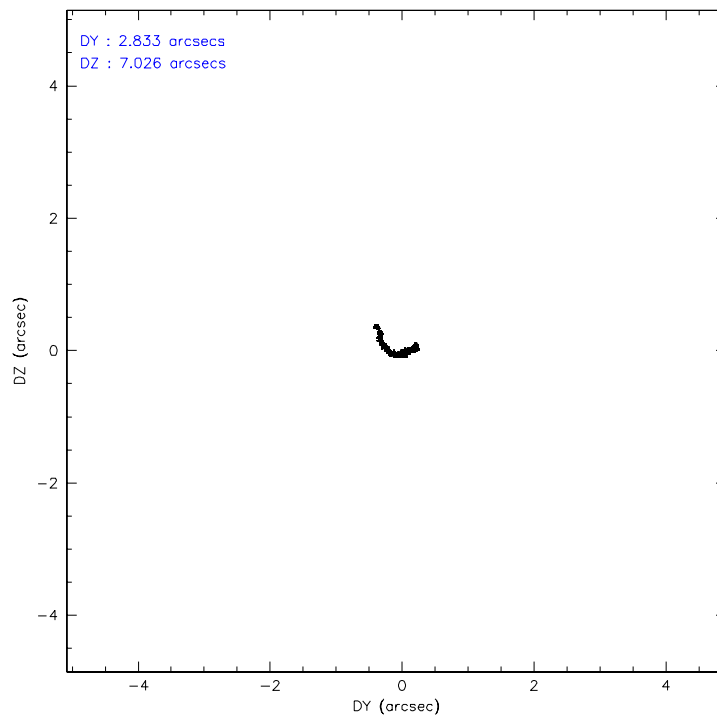
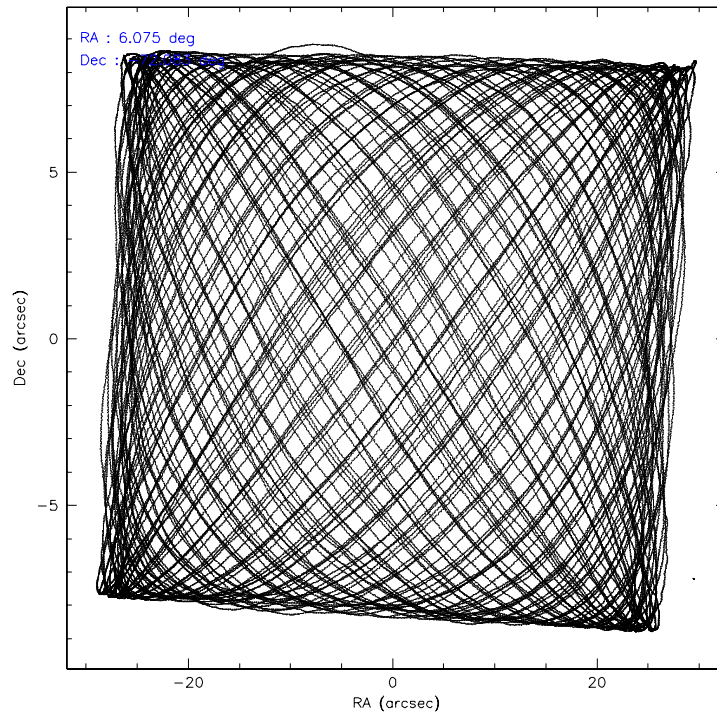
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	410992	413382	426543	586437	524710
rejected events	360956	364620	376558	346295	419296
rejected %	87%	88%	88%	59%	79%

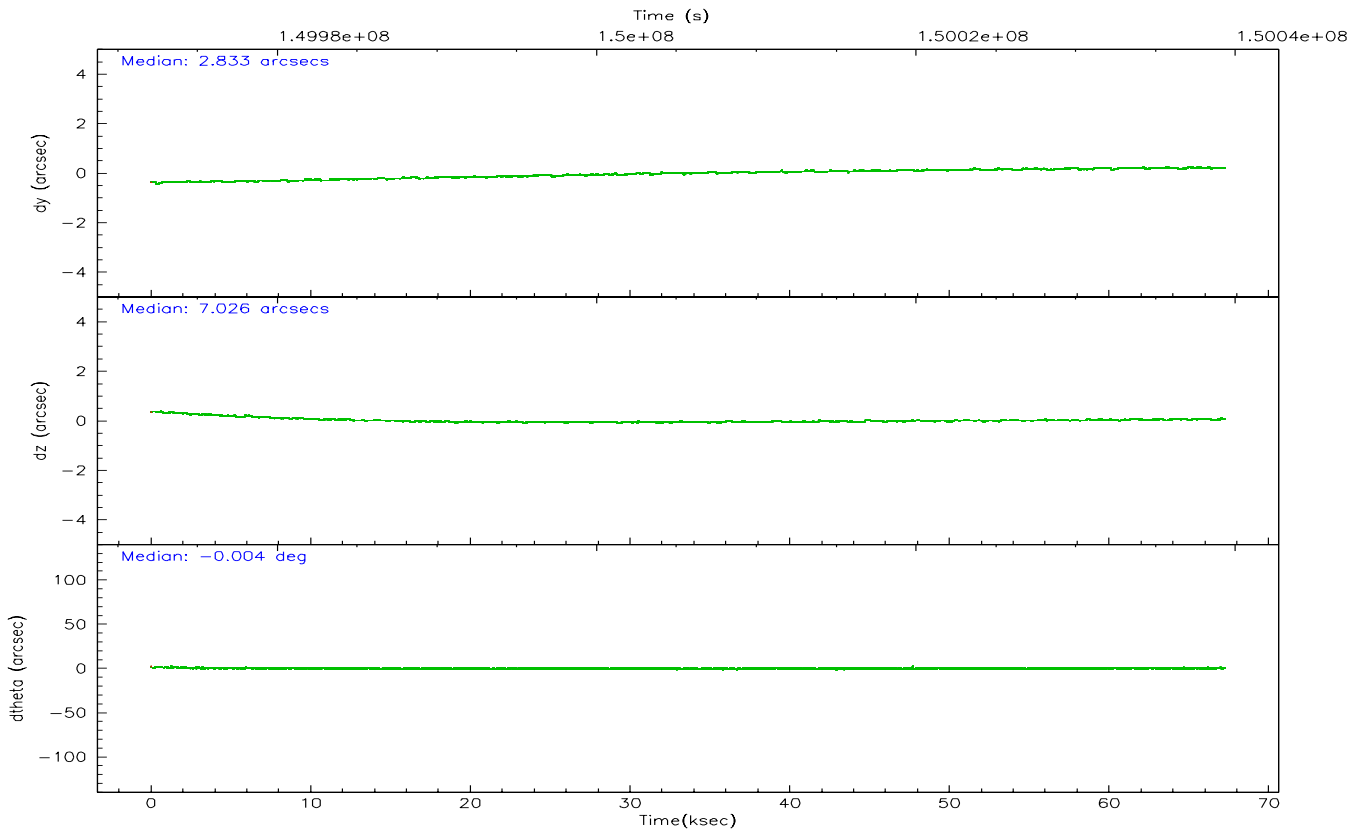
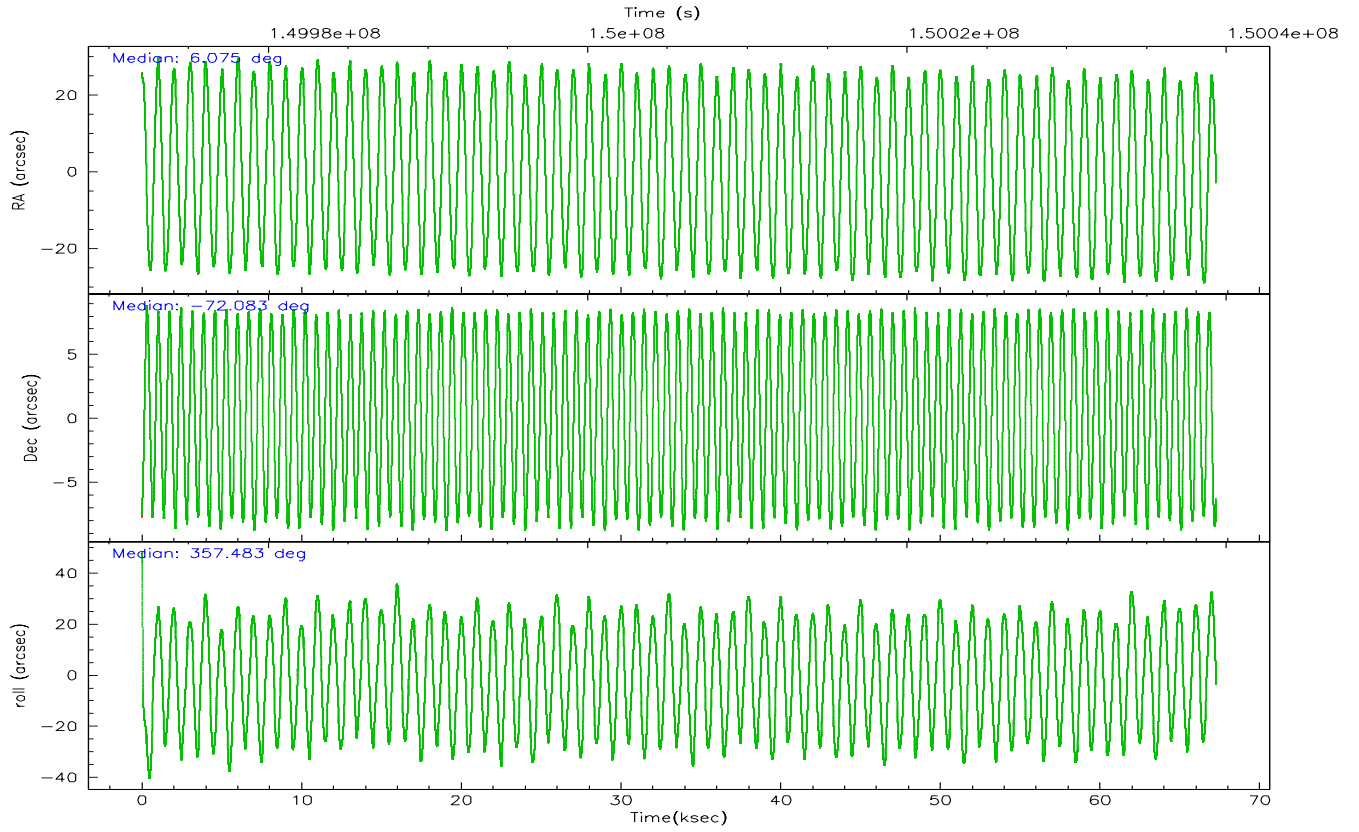
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	23096	21632	20240	23065	33094
	5%	5%	4%	3%	6%
grade 1 events	220	259	190	500	357
	0%	0%	0%	0%	0%
grade 2 events	9682	9052	10108	59752	22602
	2%	2%	2%	10%	4%
grade 3 events	4779	4818	4958	14078	11616
	1%	1%	1%	2%	2%
grade 4 events	4713	4882	4806	13793	10600
	1%	1%	1%	2%	2%
grade 5 events	15664	17862	19102	37723	24173
	3%	4%	4%	6%	4%
grade 6 events	7769	8380	9879	129475	27515
	1%	2%	2%	22%	5%
grade 7 events	345069	346497	357260	308051	394753
	83%	83%	83%	52%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	5.996868	6.074910426435668	Subarray requested	NONE	NONE
Pointing Dec	-72.096179	-72.08330418402225	Alternating exposures requested	N	N
Pointing Roll	357.262042	357.4929459659596	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	149973368.184000	149971870.85539			
Observation start date	2002-10-02T19:15:04	2002-10-02T18:51:10			
Observation end time	150039368.184000	150039501.89569			
Observation end date	2002-10-03T13:35:04	2002-10-03T13:38:21			
Read mode	TIMED	TIMED			

2.3 Aspect



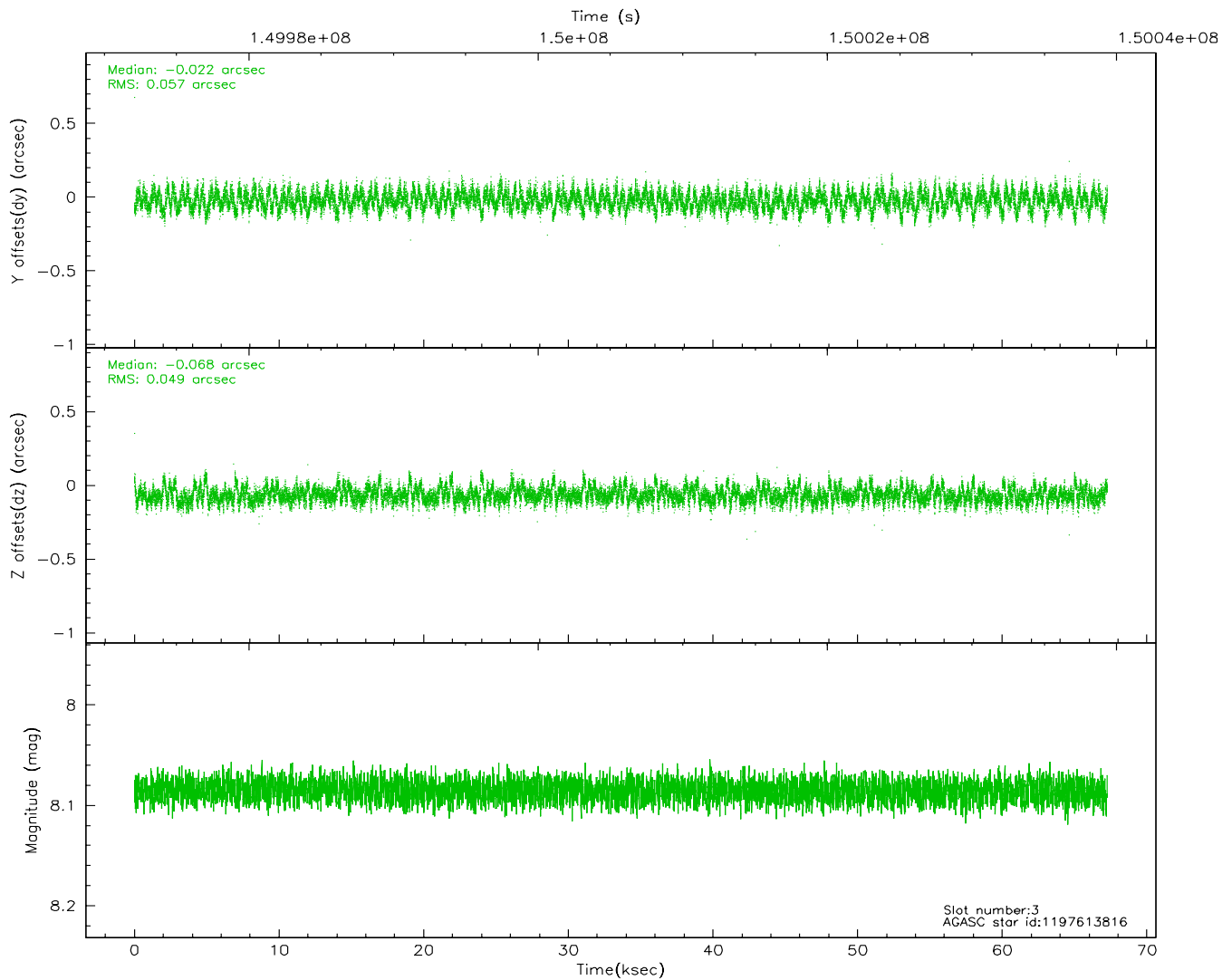
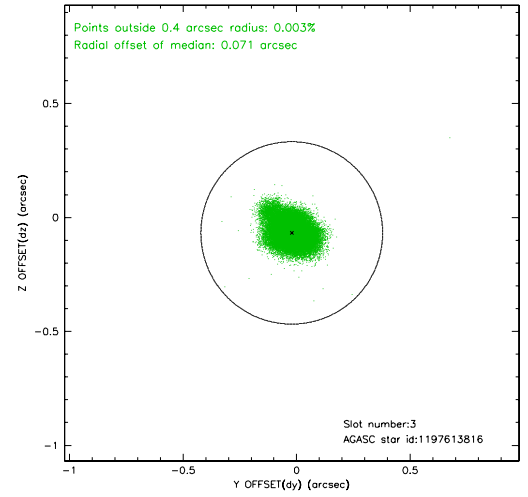
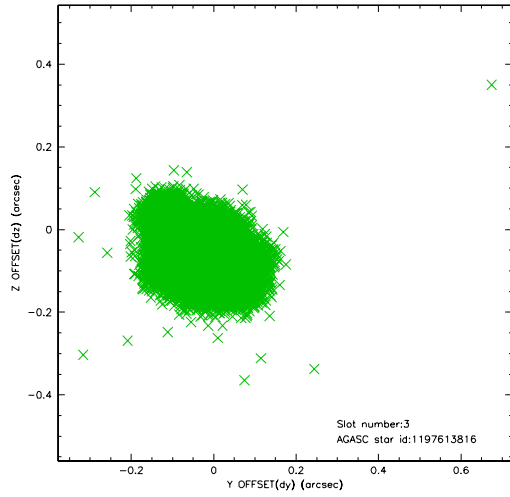


Slot Statistics

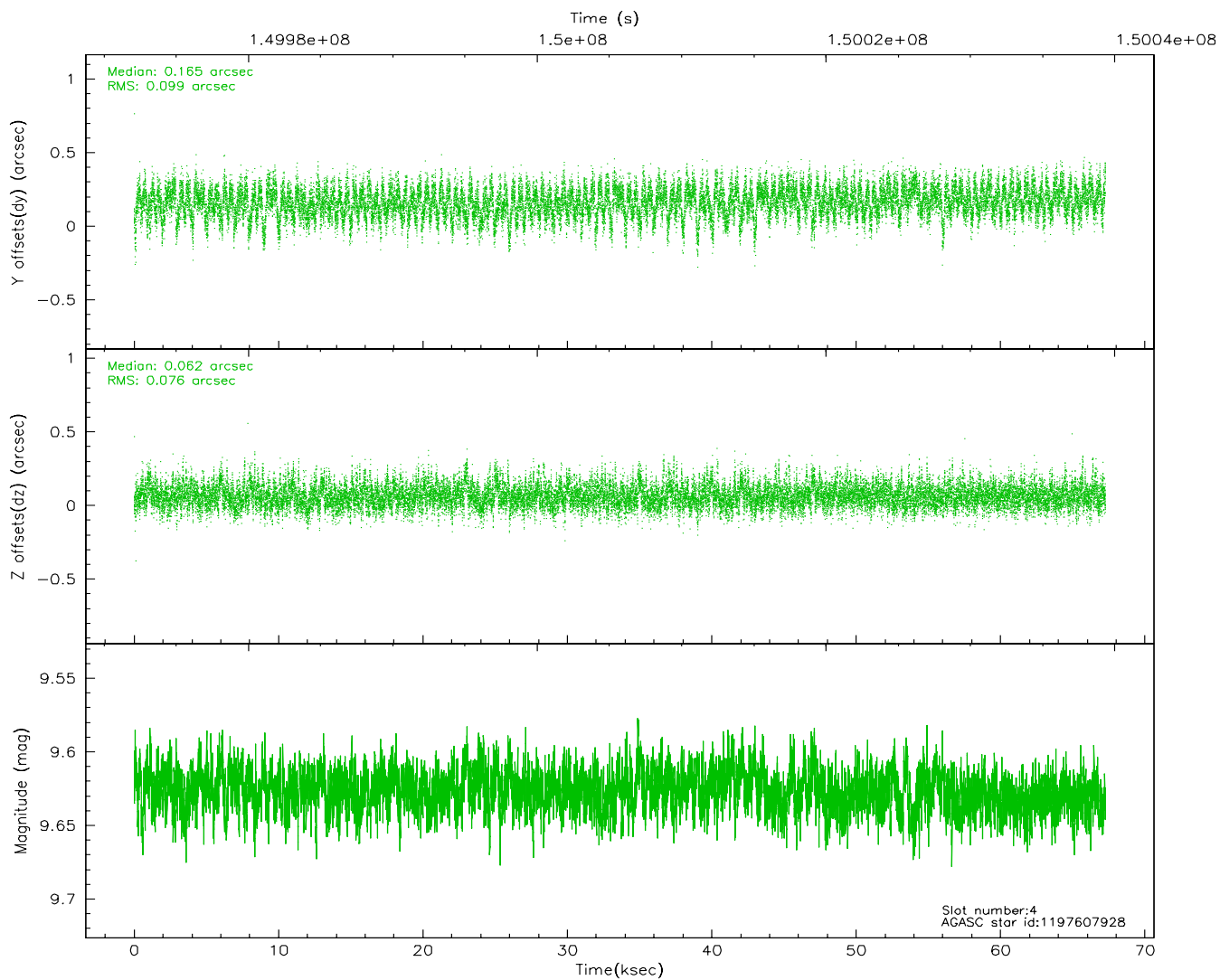
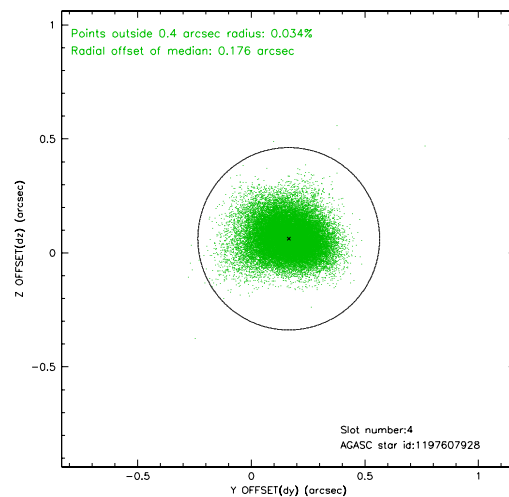
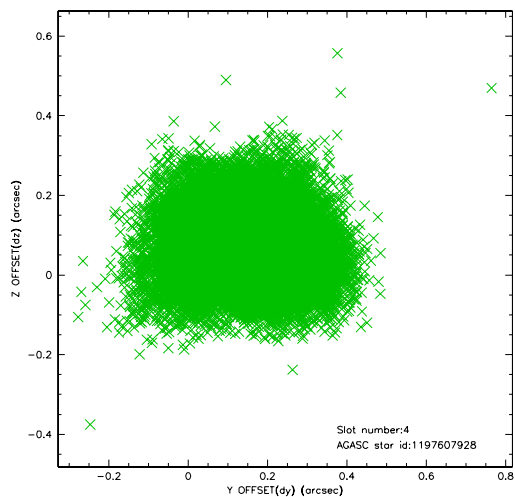
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	16406	0.013	0.022	0.006	0.013	0.000000	0.000000	-755.42	-1728.14
1	FID	ACIS-S-4	7.20	16402	-0.026	-0.006	0.007	0.011	0.000000	0.000000	2157.84	180.38
2	FID	ACIS-S-6	7.35	16405	-0.015	-0.009	0.008	0.013	0.000000	0.000000	406.46	817.70
3	GUIDE	1197613816	8.08	32805	-0.022	-0.068	0.079	0.132	5.181461	-71.977993	-927.24	375.65
4	GUIDE	1197607928	9.63	32785	0.165	0.062	0.130	0.220	7.837743	-72.165759	2040.59	-183.42
5	GUIDE	1197619752	9.97	32777	-0.077	-0.062	0.200	0.323	4.510721	-71.856694	-1704.17	760.98
6	GUIDE	1197615656	8.65	32807	0.071	-0.038	0.083	0.138	6.909375	-71.882658	983.76	809.38
7	GUIDE	1197998392	9.78	32773	-0.139	0.094	0.119	0.194	6.367452	-72.761261	509.55	-2373.32

2.4 Star Slots

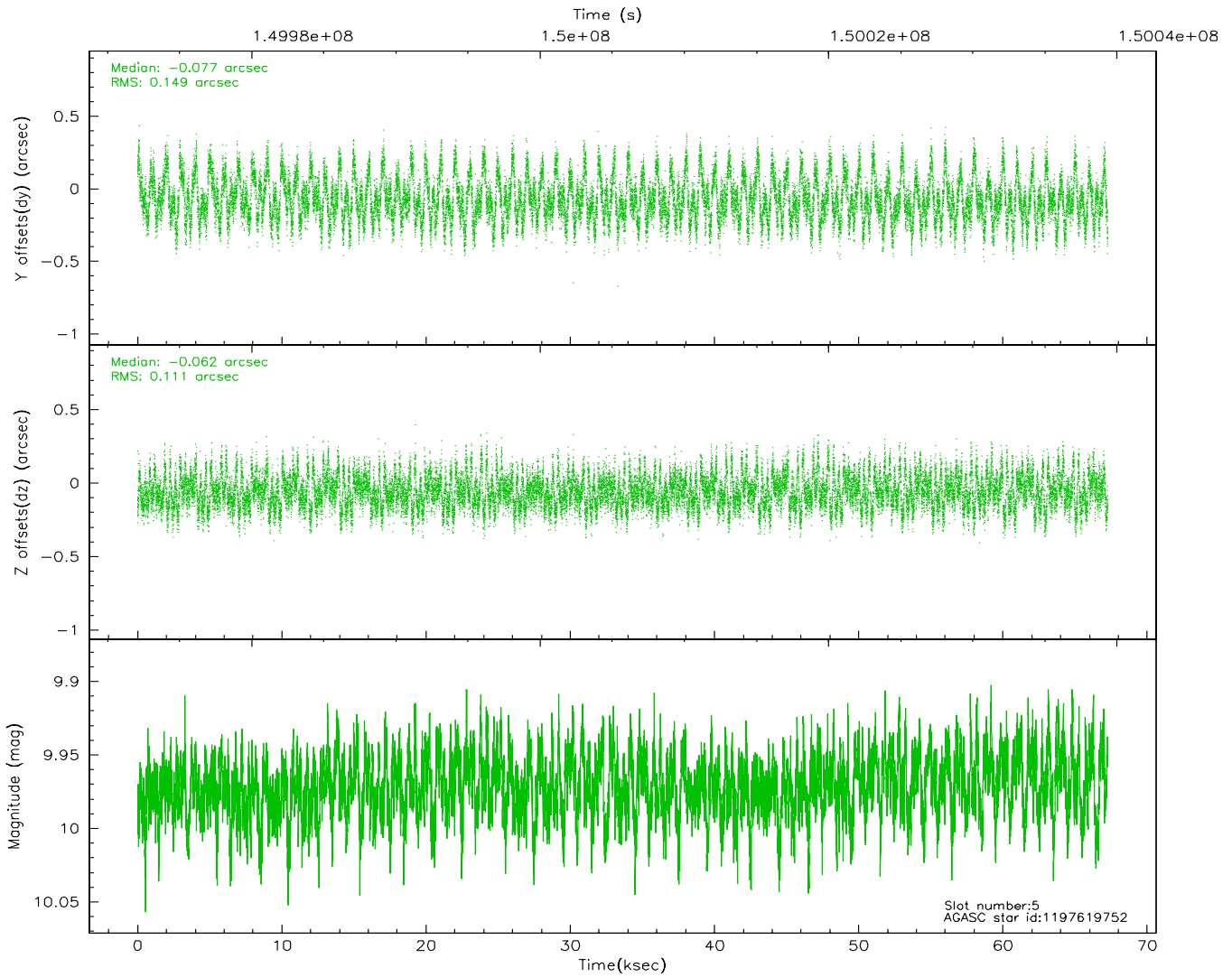
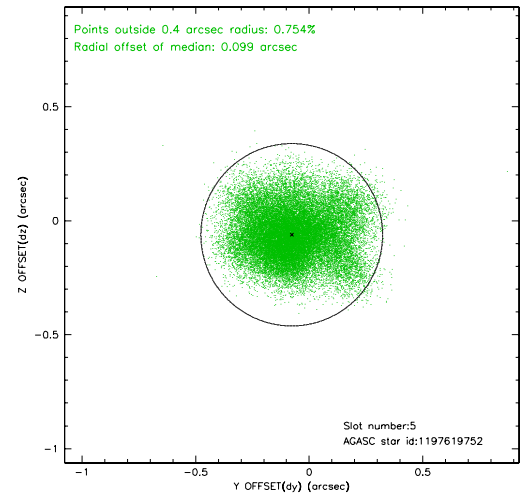
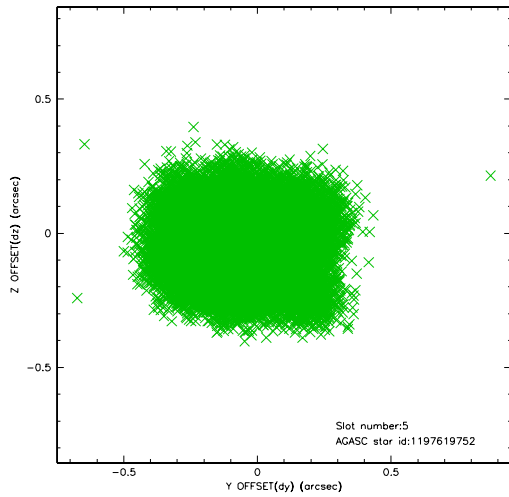
2.4.1 Slot 3



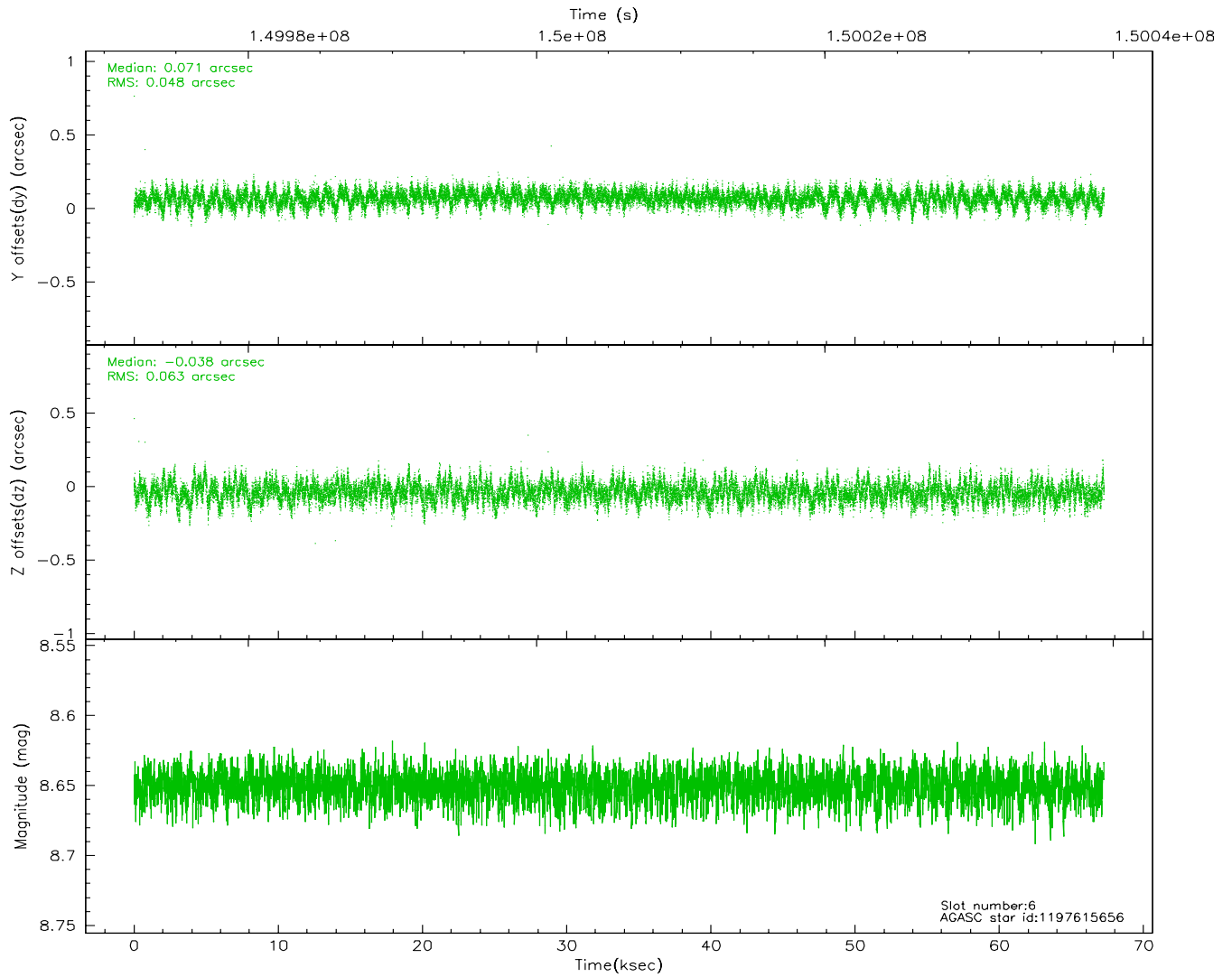
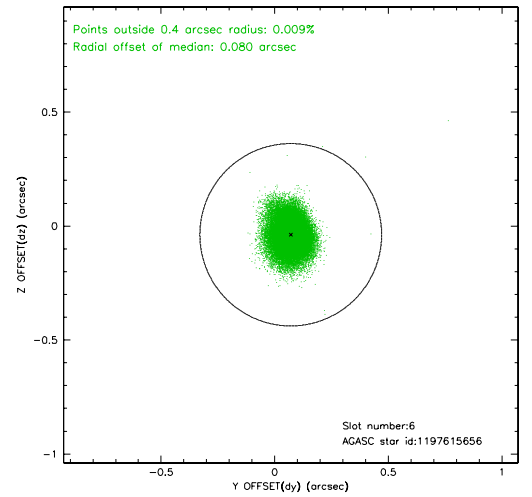
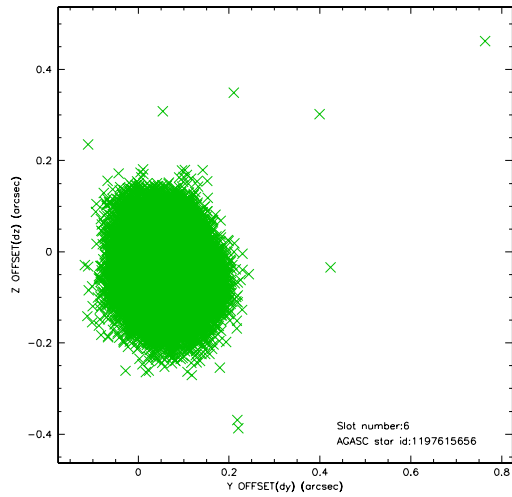
2.4.2 Slot 4



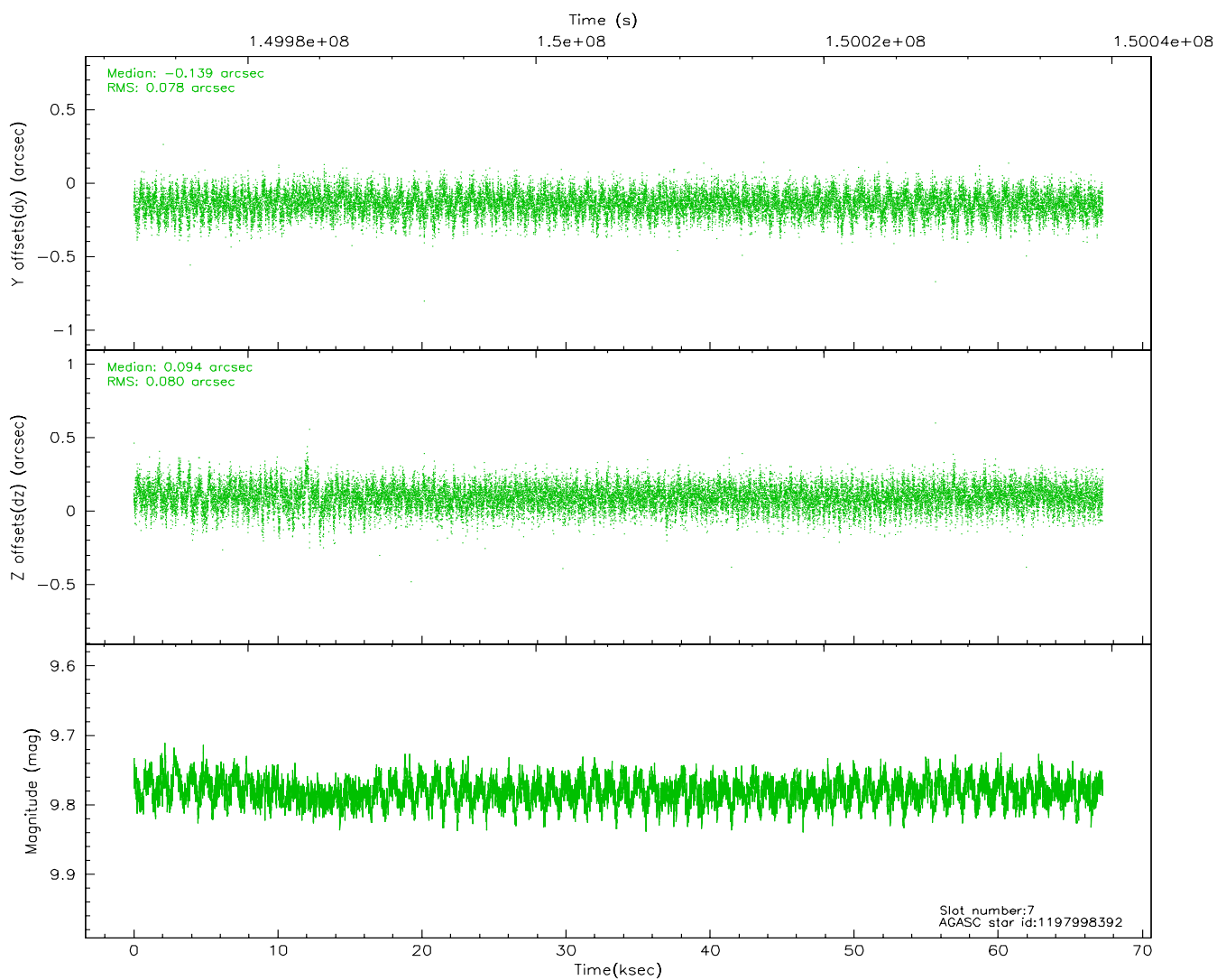
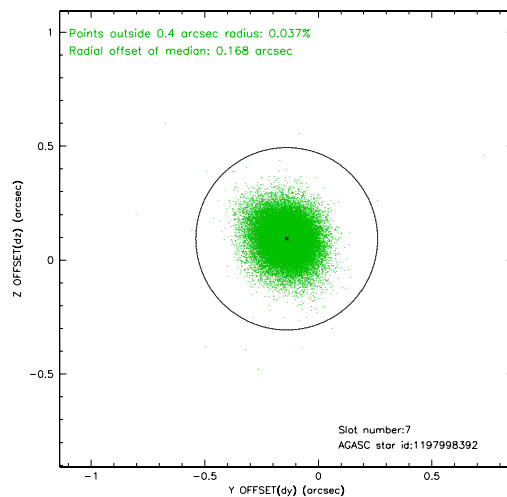
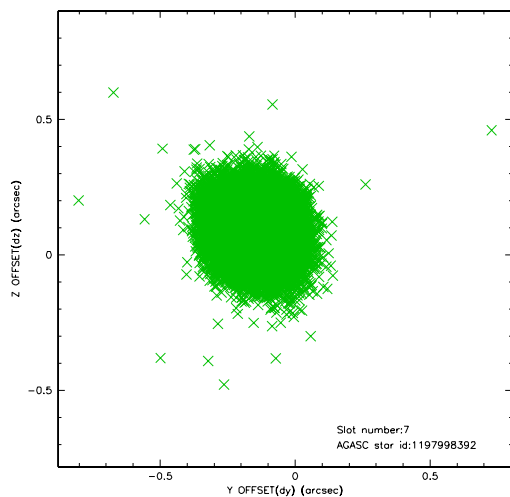
2.4.3 Slot 5



2.4.4 Slot 6

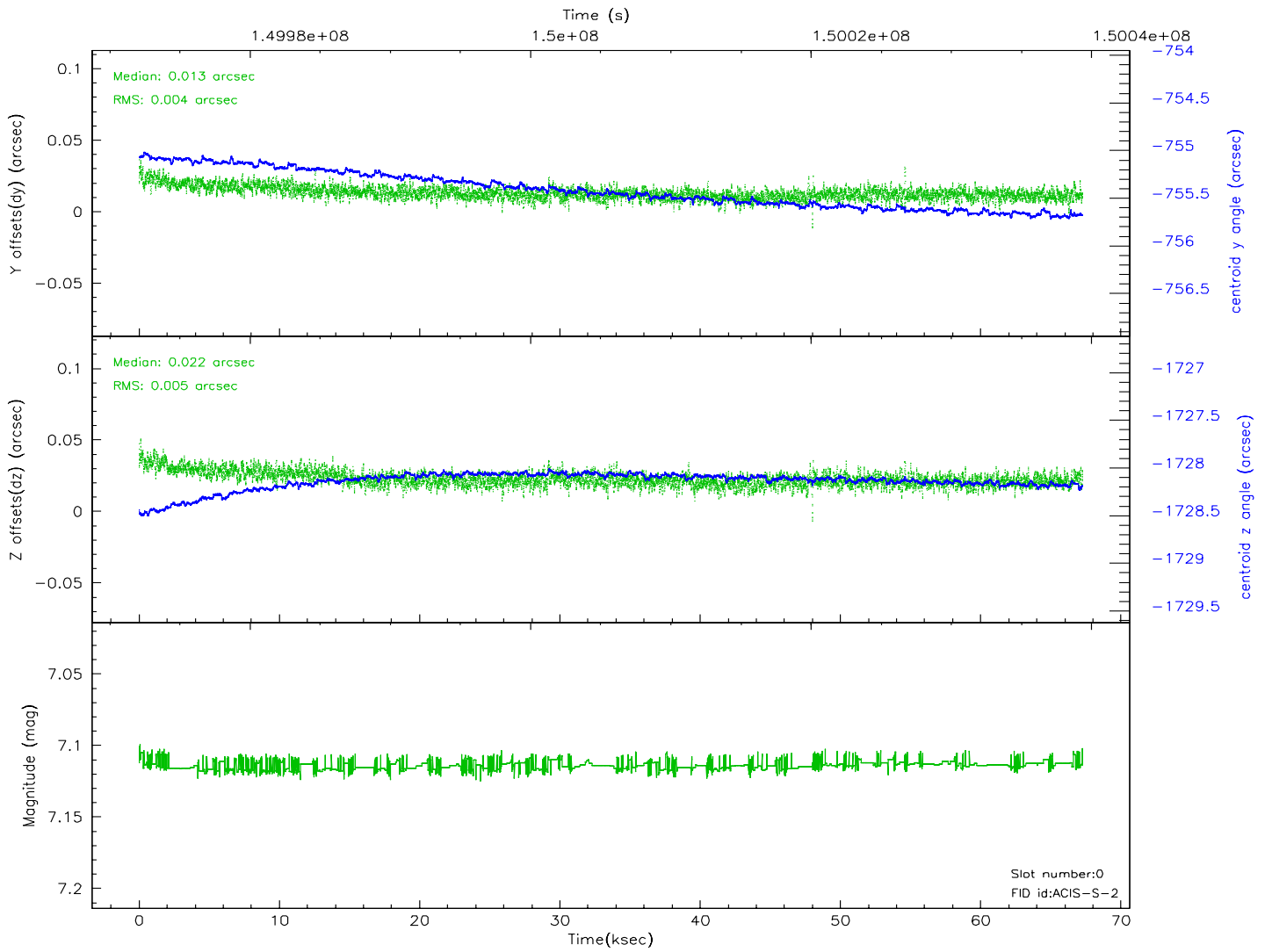
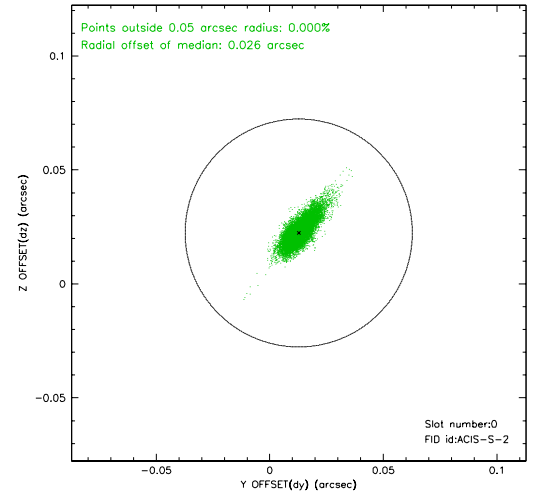
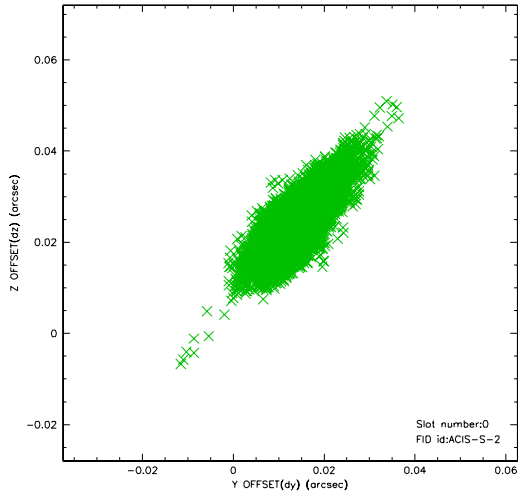


2.4.5 Slot 7

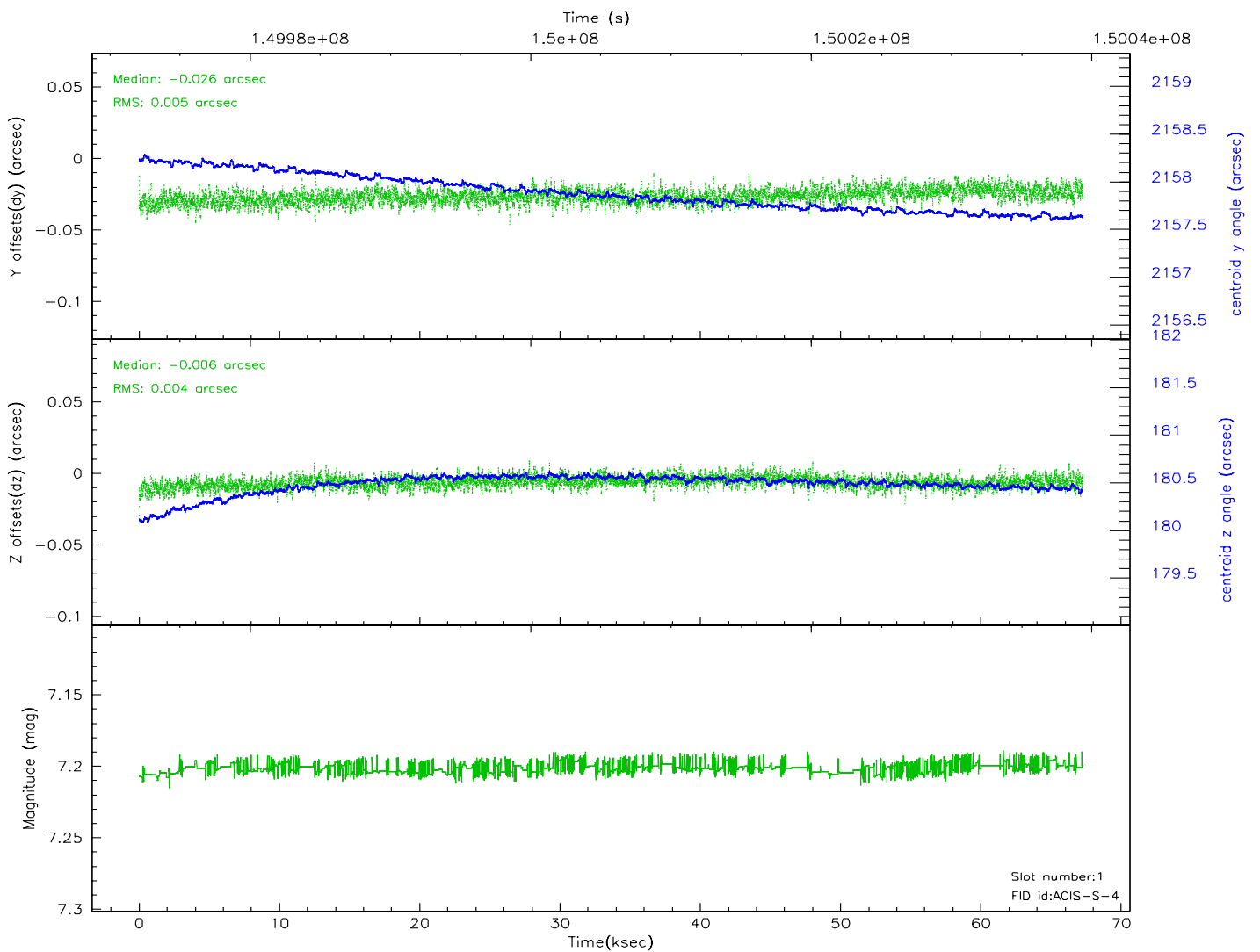
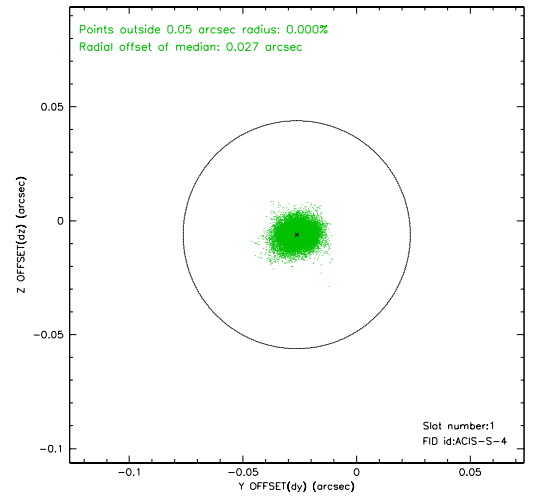
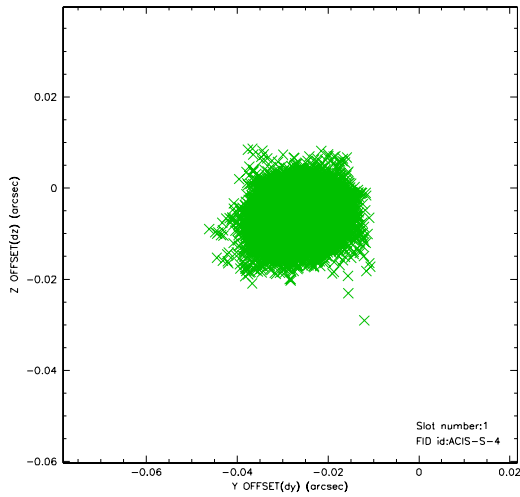


2.5 FID Slots

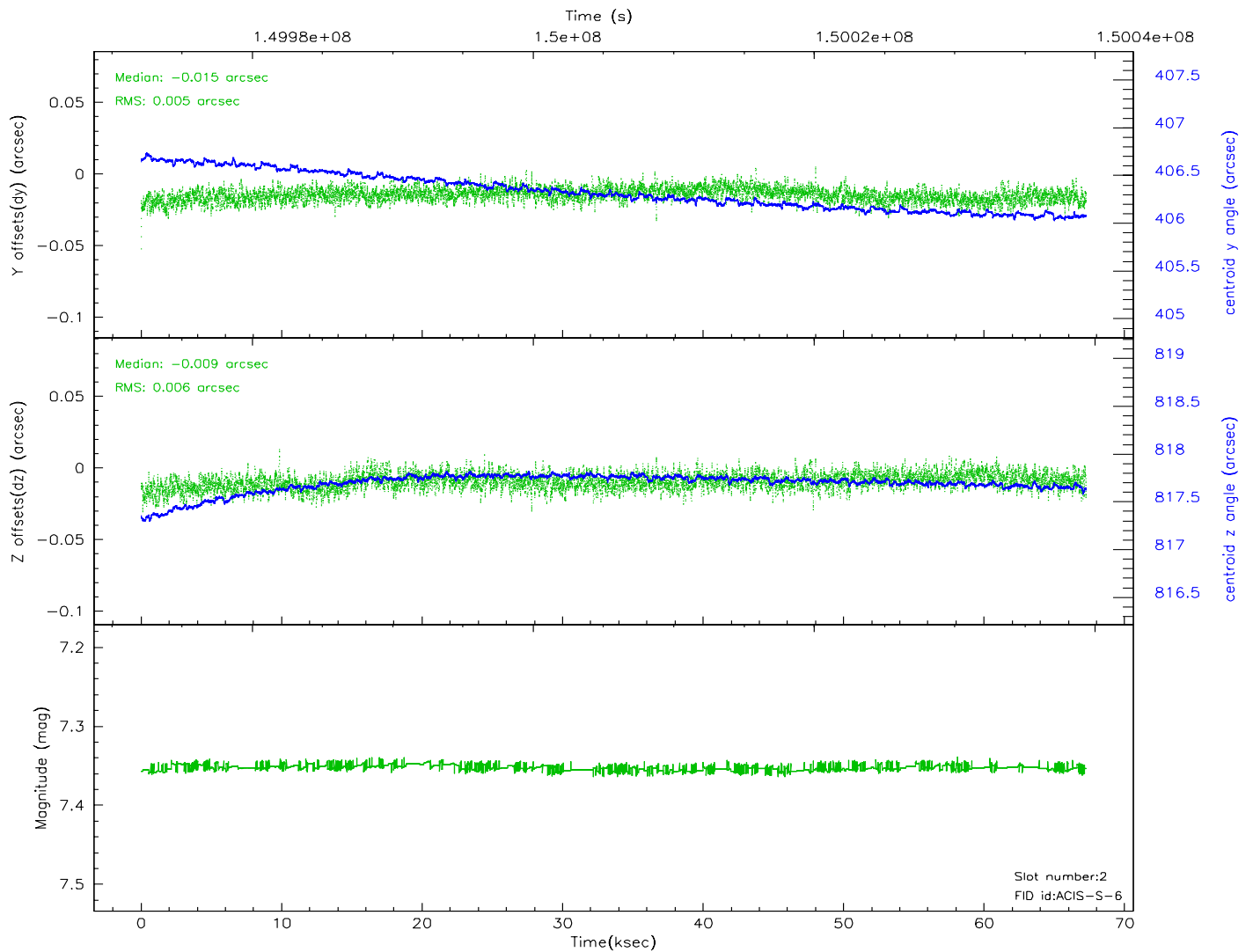
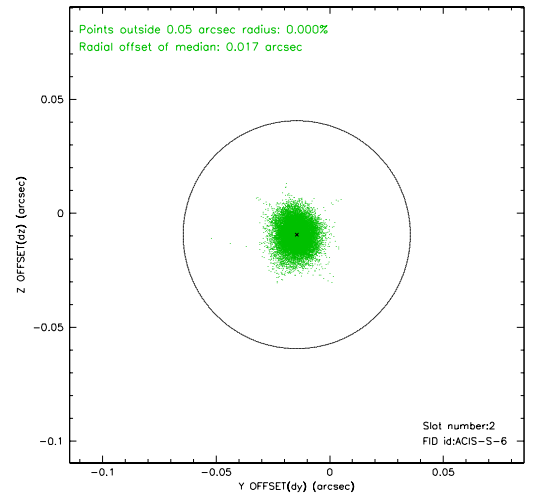
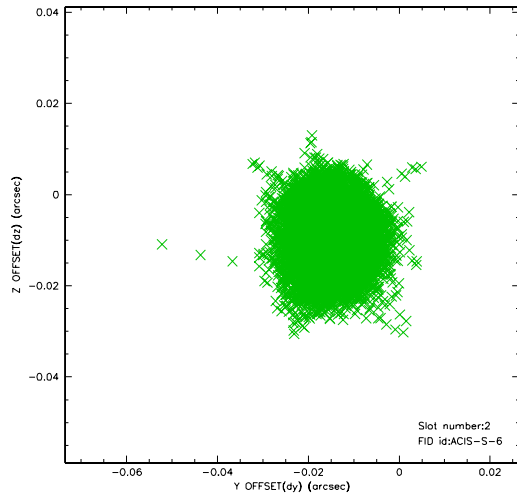
2.5.1 Slot 0



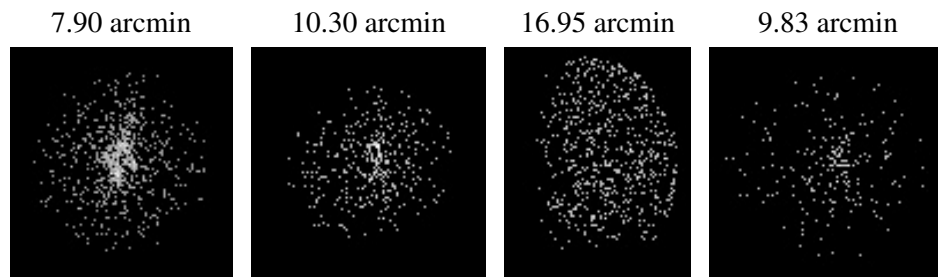
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	66.107

A.2 Comments

Monitor constraint met.