

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3845 - L2 Version 001  
Chandra X-Ray Center

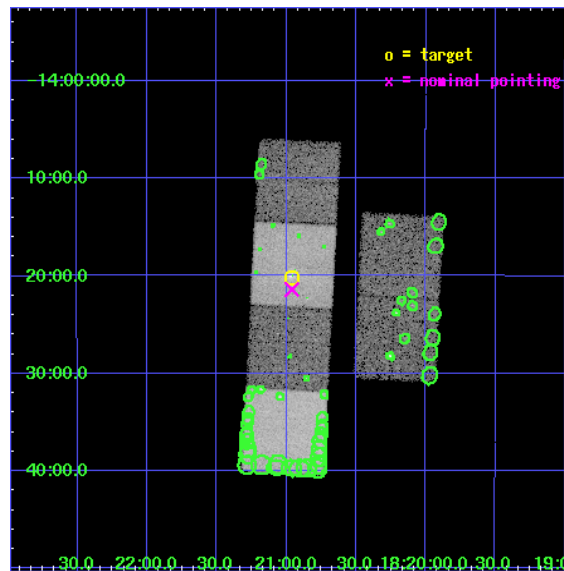
L2 Processing Date : Jul 1 2006

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# 1 Front

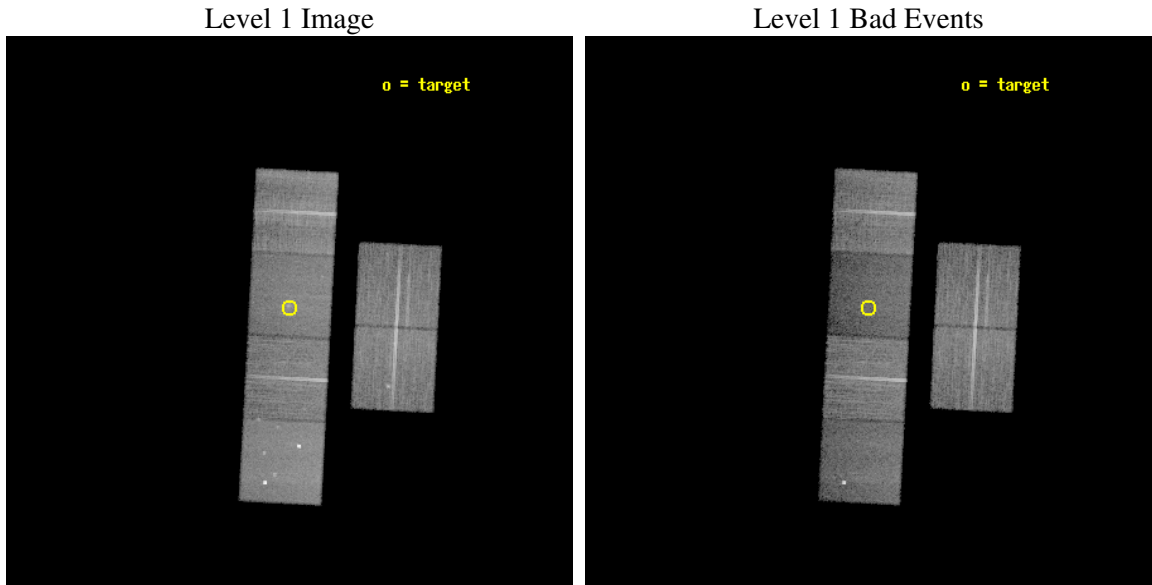
seq_num	500324
obs_id	3845
title	SUPERNOVA REMNANTS: HOMES FOR YOUNG NEUTRON STARS
observer	Prof. David Helfand
object	G16.7+0.1
dtcycle	0
cycle	P
ra_targ	275.240833
dec_targ	-14.336
ra_nom	275.24016135631
dec_nom	-14.356739790143
roll_nom	273.01800228385
revision	2
ontime	25148.799906313
livetime	24830.35065911
ontime2	25142.31797576
ontime3	25148.799906313
ontime5	25148.799906313
ontime6	25148.799906313
ontime7	25148.799906313
ontime8	25148.799906313
l2events	184553



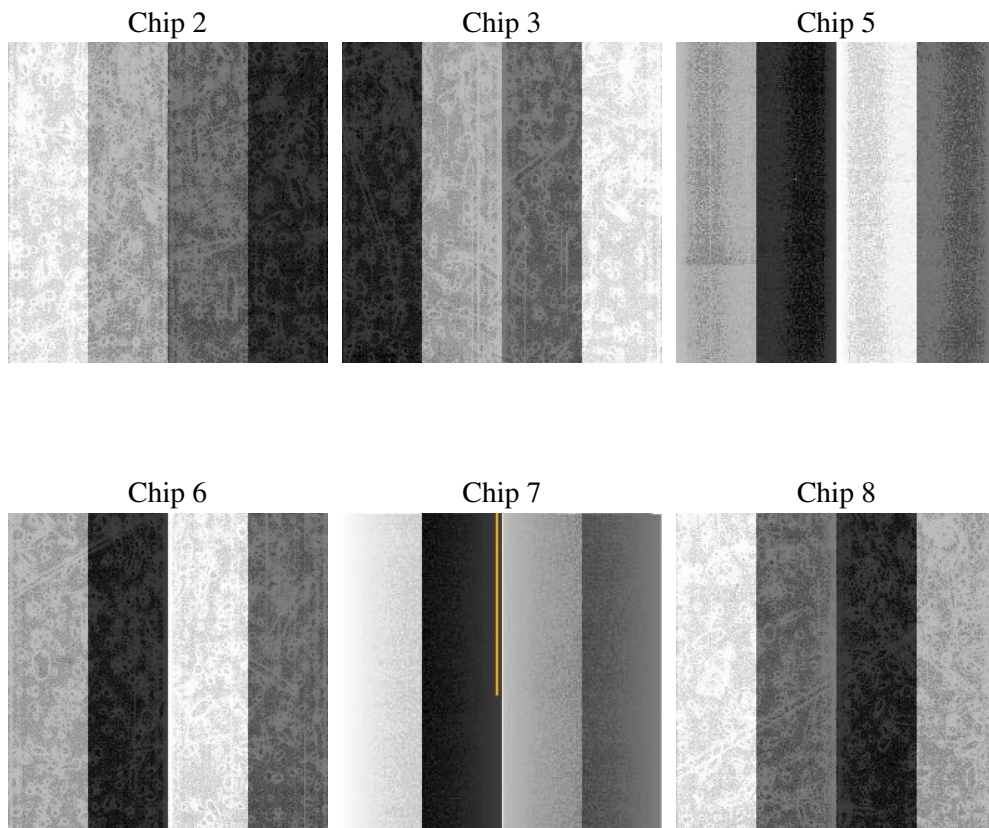
## 2 OBI

### 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	2006-07-01T16:34:07
revision	2

sched_exp_time	25000.000000
ontime	25513.157985866
ontime2	25506.676025391
ontime3	25513.157955945
ontime5	25513.157985866
ontime6	25513.157955945
ontime7	25513.157985866
ontime8	25513.157985866
l1events	859203

### 2.1.4 Events

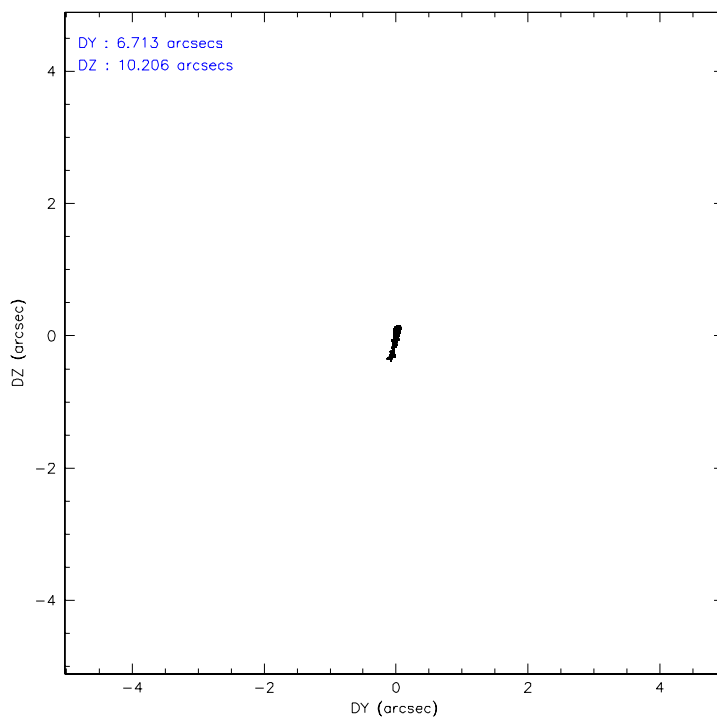
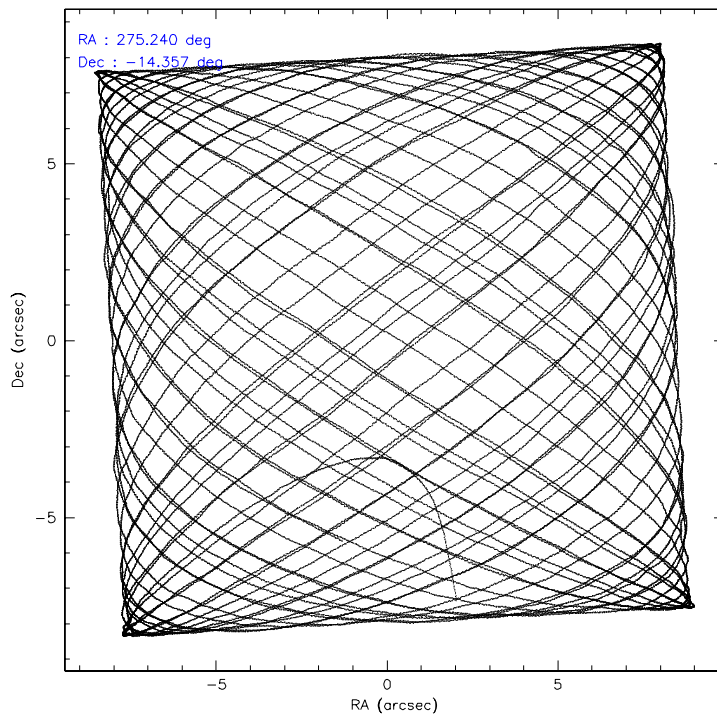
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	142967	129159	165017	135882	126714	159464
rejected events	127882	115907	81050	120106	66994	122594
rejected %	89%	89%	49%	88%	52%	76%

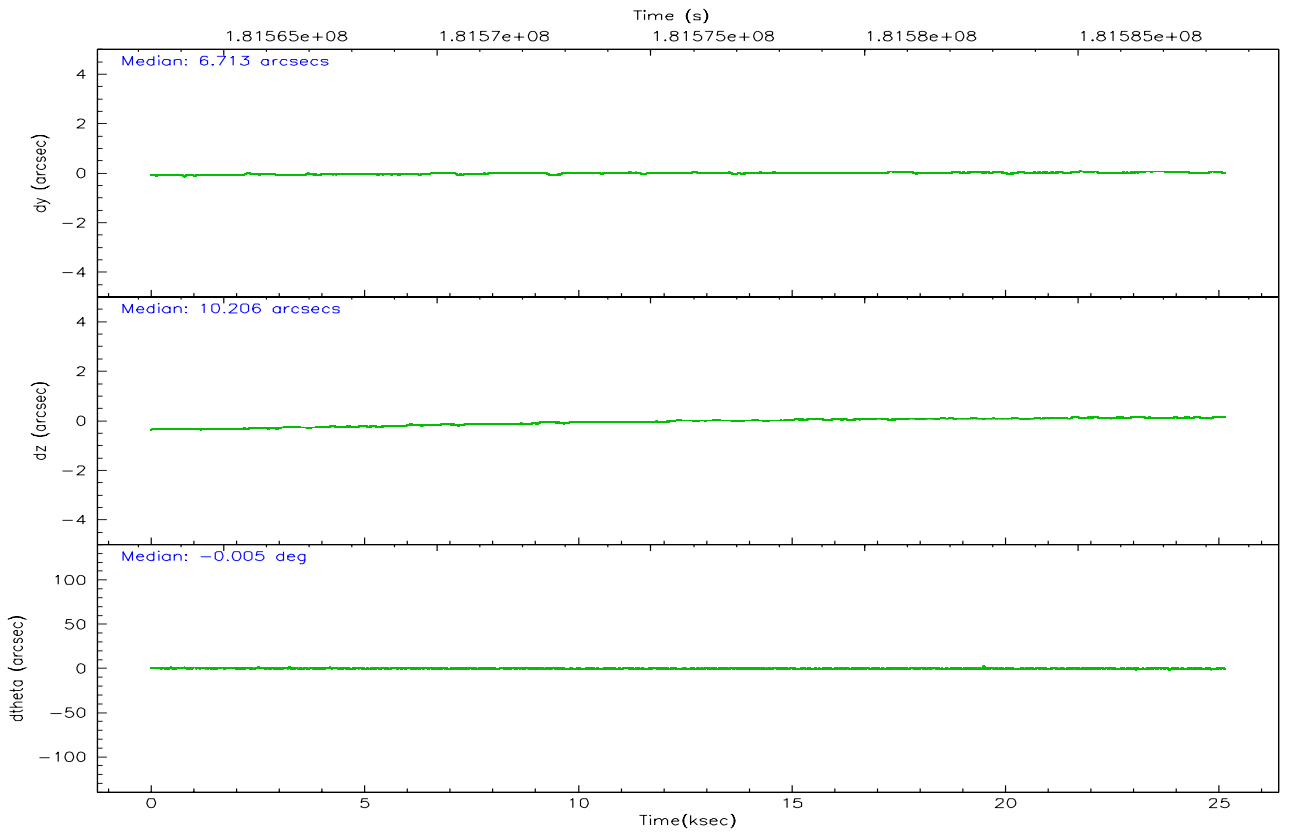
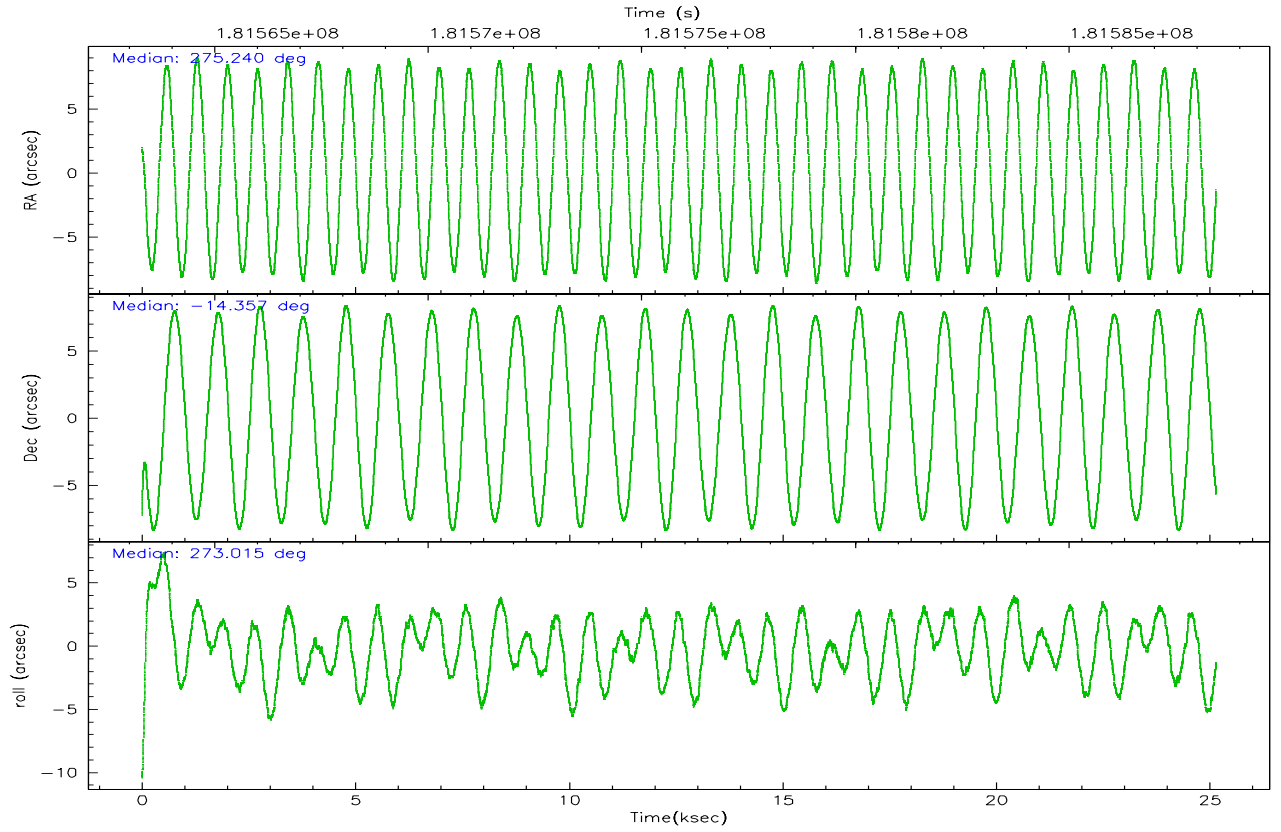
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6943	5713	8460	6930	4740	10878
	4%	4%	5%	5%	3%	6%
grade 1 events	84	67	61	58	67	106
	0%	0%	0%	0%	0%	0%
grade 2 events	3158	2663	27649	3082	15500	8327
	2%	2%	16%	2%	12%	5%
grade 3 events	1525	1413	2446	1630	4116	4139
	1%	1%	1%	1%	3%	2%
grade 4 events	1479	1408	2194	1577	4006	3854
	1%	1%	1%	1%	3%	2%
grade 5 events	3729	4314	10636	4384	9961	6521
	2%	3%	6%	3%	7%	4%
grade 6 events	2204	2239	44421	2777	32285	10194
	1%	1%	26%	2%	25%	6%
grade 7 events	123845	111342	69150	115444	56039	115445
	86%	86%	41%	84%	44%	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	275.224551	275.2401613563123	Alternating exposures requested	N	N
Pointing Dec	-14.334117	-14.3567397901429	Primary exposure time	0.000000	3.2
Pointing Roll	272.857514	273.0180022838481			
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	181563442.184000	181562208.70059			
Observation start date	2003-10-03T10:16:18	2003-10-03T09:56:48			
Observation end time	181588442.184000	181589256.40175			
Observation end date	2003-10-03T17:12:58	2003-10-03T17:27:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect



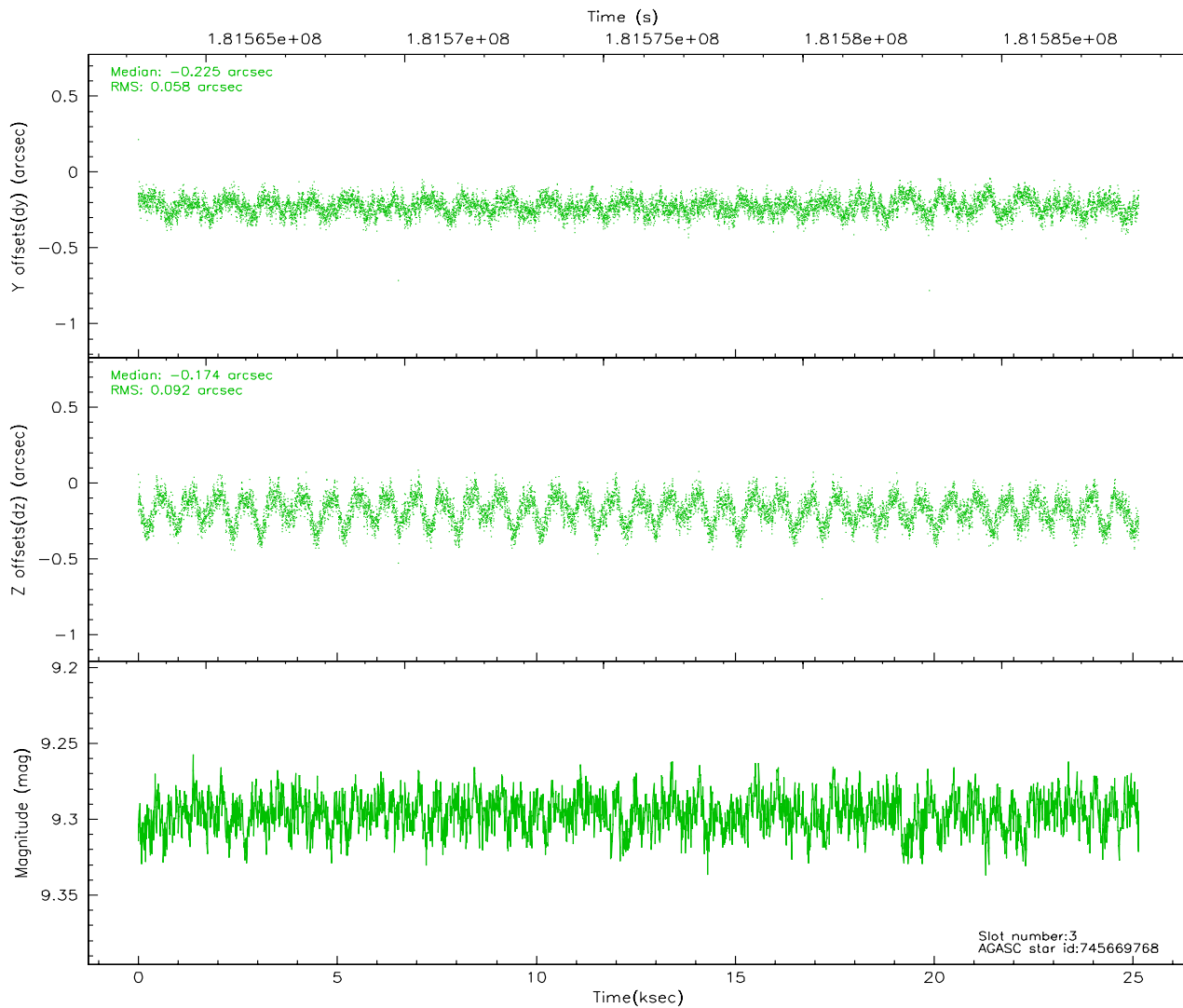
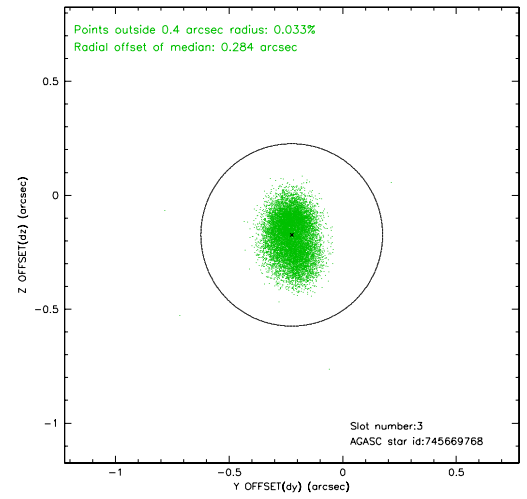
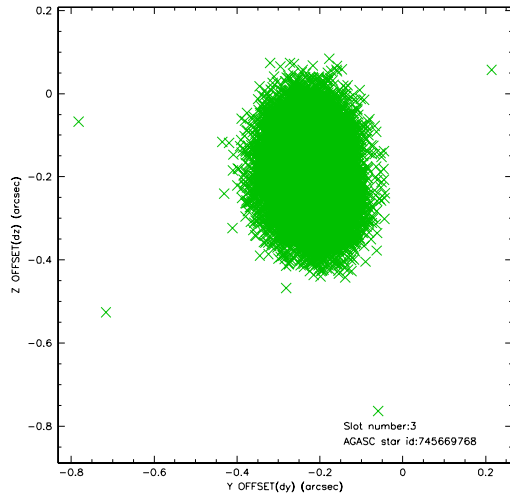


### Slot Statistics

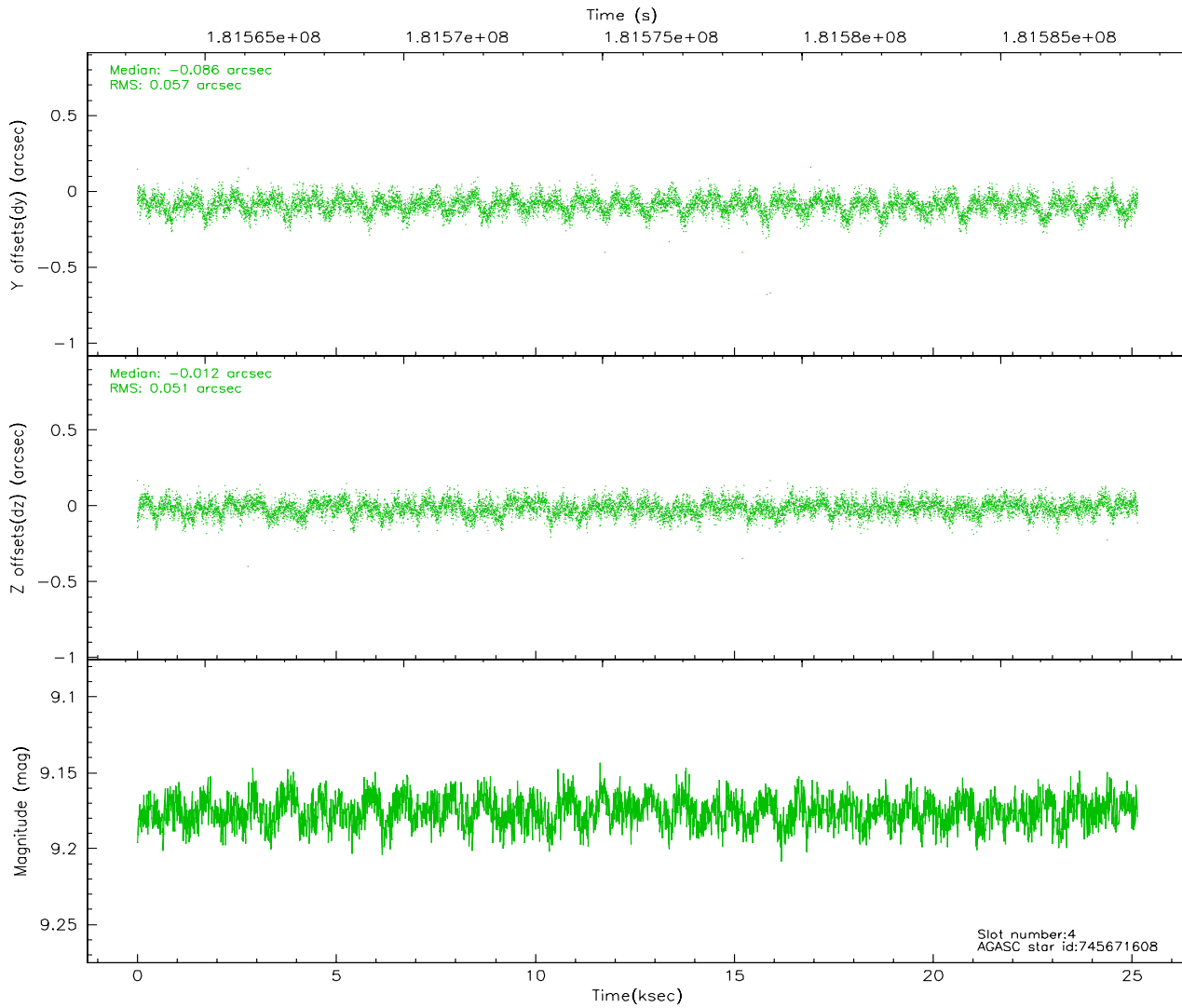
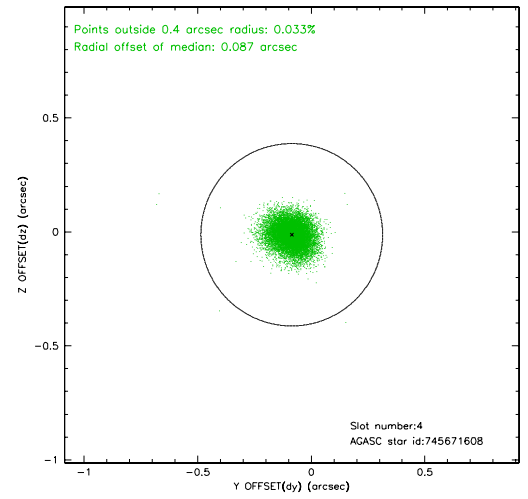
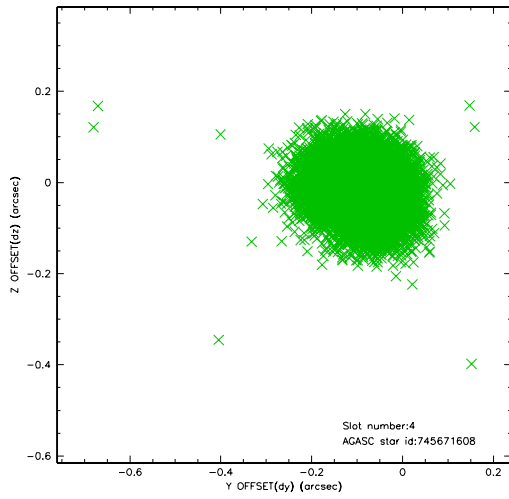
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6134	-0.037	-0.013	0.005	0.009	0.000000	0.000000	-759.47	-1731.38
1	FID	ACIS-S-4	7.20	6134	0.031	0.022	0.006	0.010	0.000000	0.000000	2153.80	177.05
2	FID	ACIS-S-6	7.34	6135	-0.021	-0.002	0.007	0.012	0.000000	0.000000	402.65	814.54
3	GUIDE	745669768	9.30	12265	-0.225	-0.174	0.115	0.184	274.643761	-13.906113	-1637.45	-1950.44
4	GUIDE	745671608	9.18	12261	-0.086	-0.012	0.080	0.131	275.327786	-13.786724	-1950.07	458.70
5	GUIDE	745680912	8.75	12265	0.273	0.082	0.061	0.097	275.063718	-14.846878	1816.37	-650.57
6	GUIDE	747374008	9.11	12258	0.234	0.236	0.090	0.143	275.902160	-14.886209	2106.81	2255.89
7	GUIDE	745670520	8.87	12266	-0.190	-0.123	0.080	0.124	274.614741	-13.988466	-1345.88	-2065.48

## 2.4 Star Slots

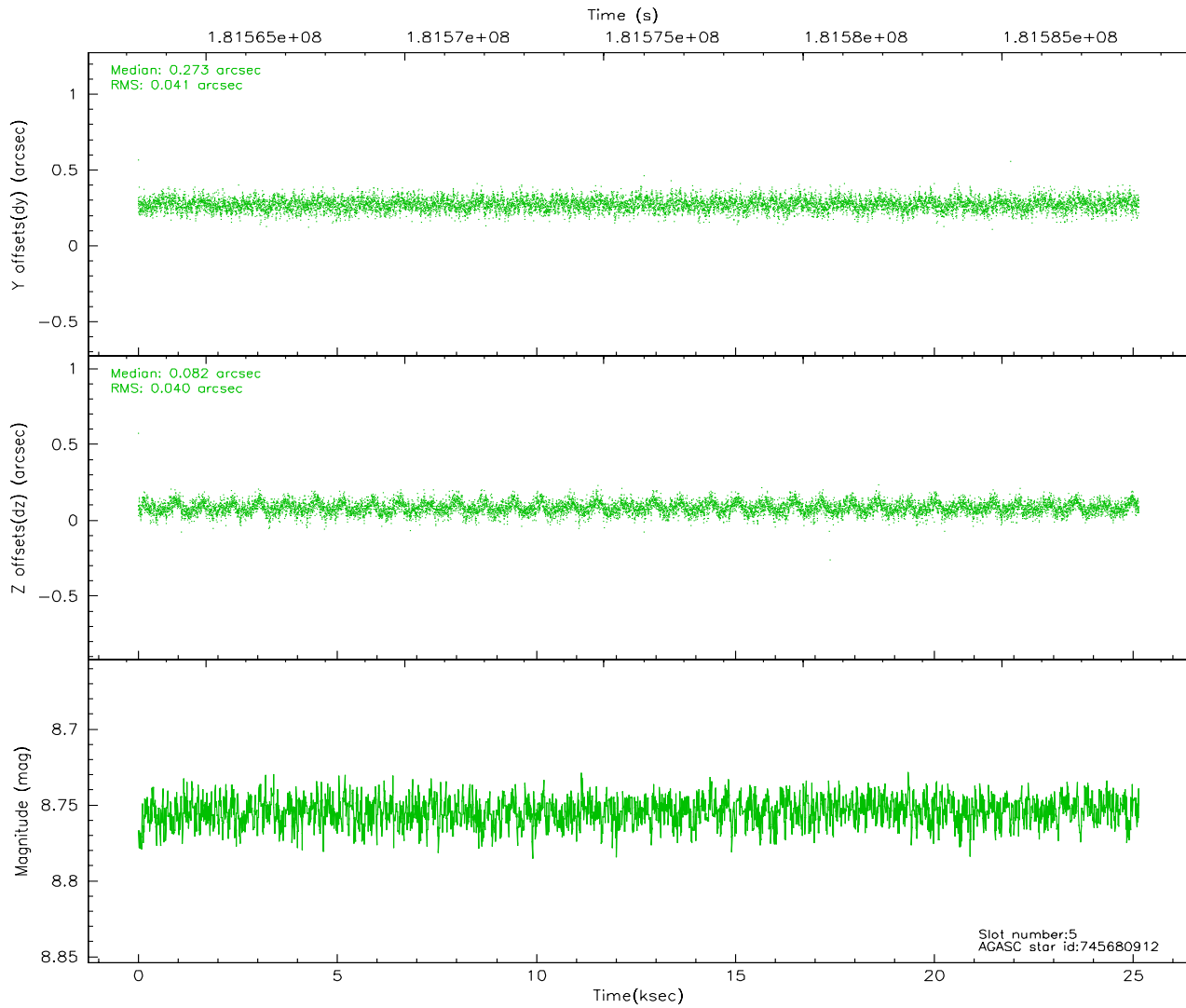
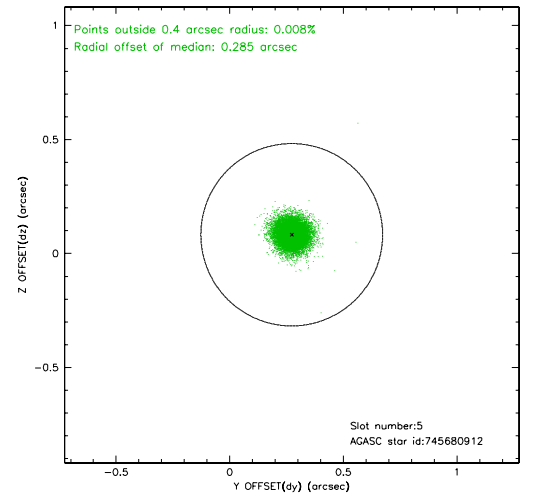
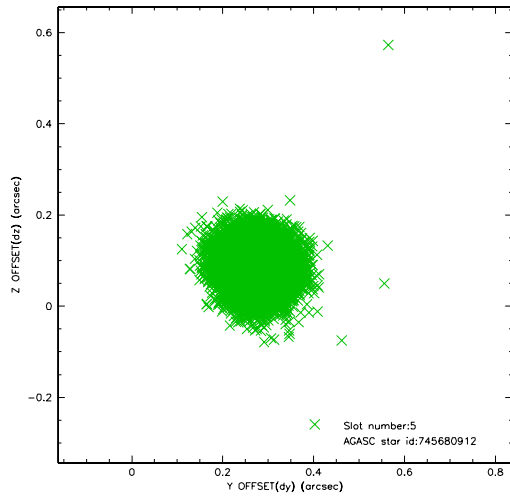
### 2.4.1 Slot 3



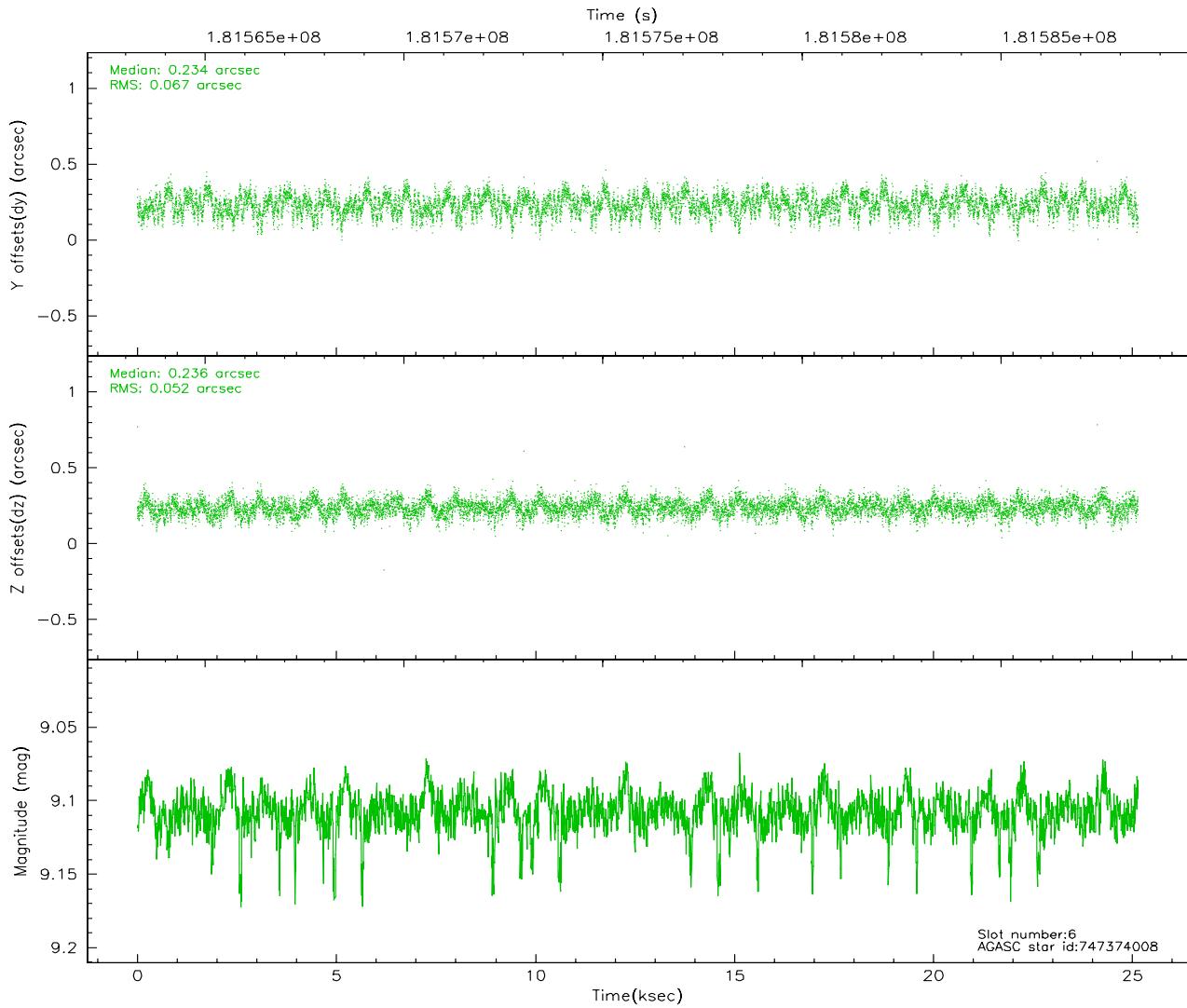
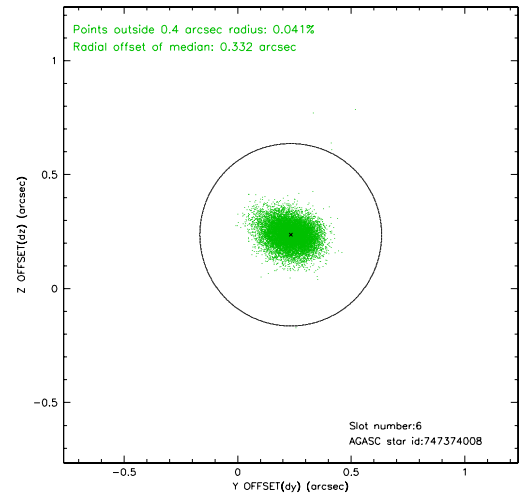
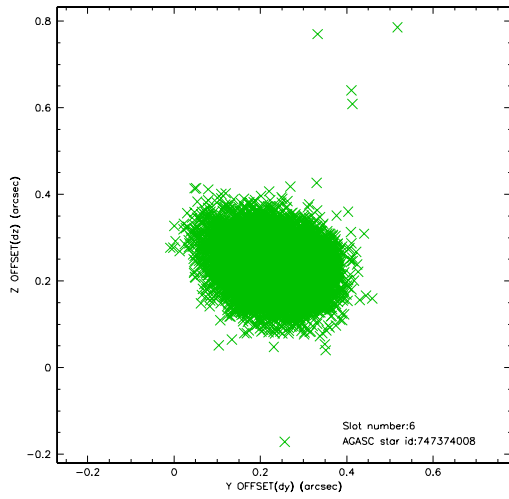
### 2.4.2 Slot 4



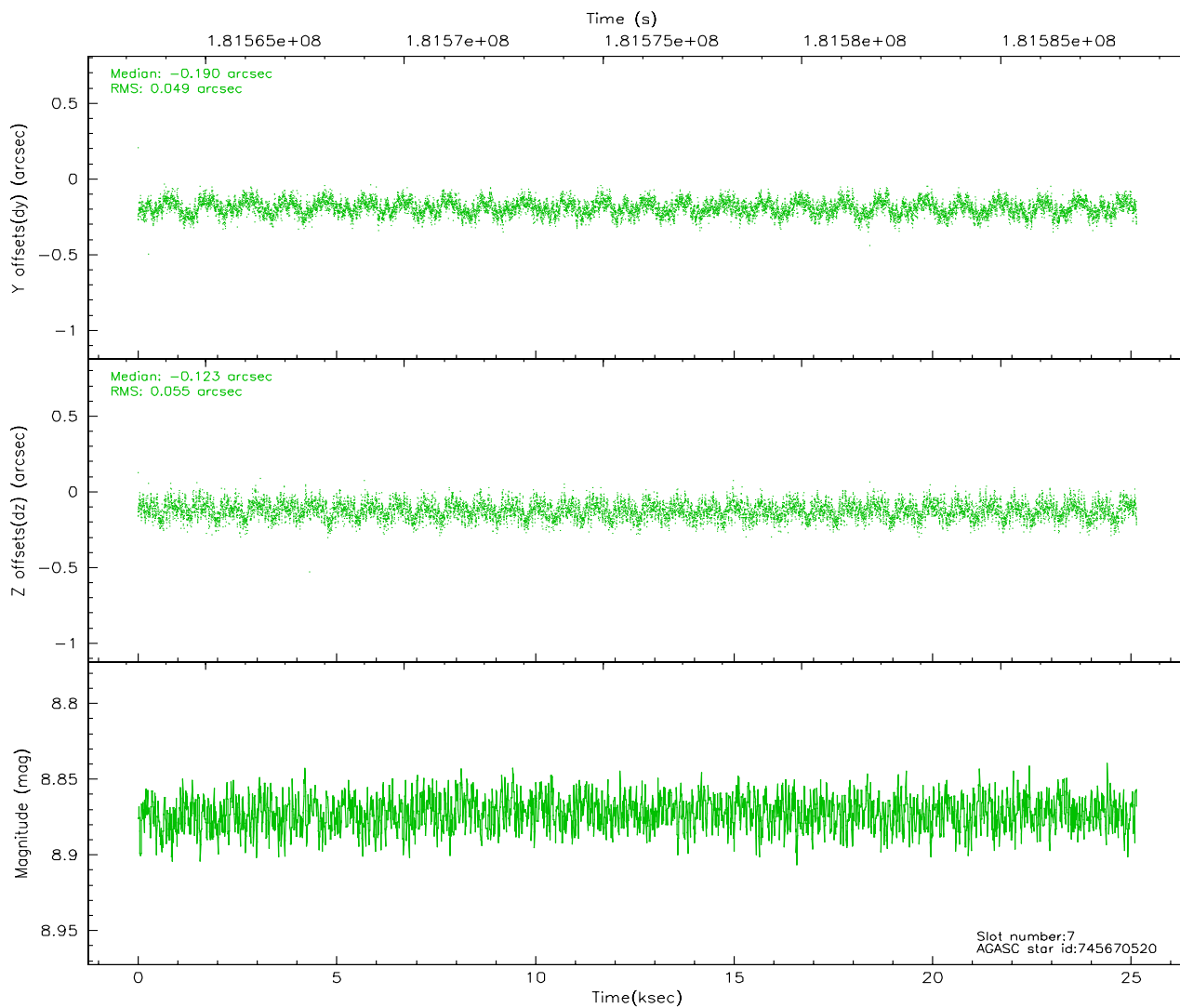
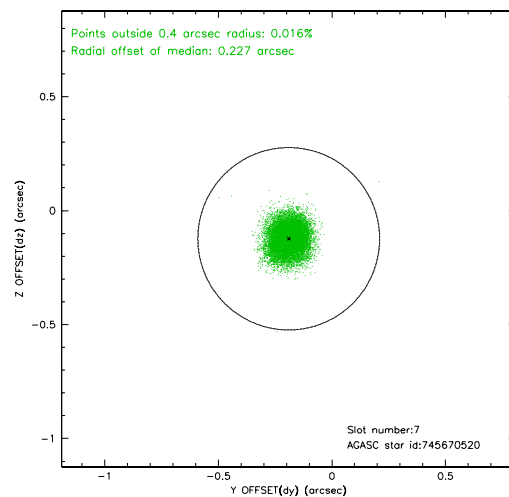
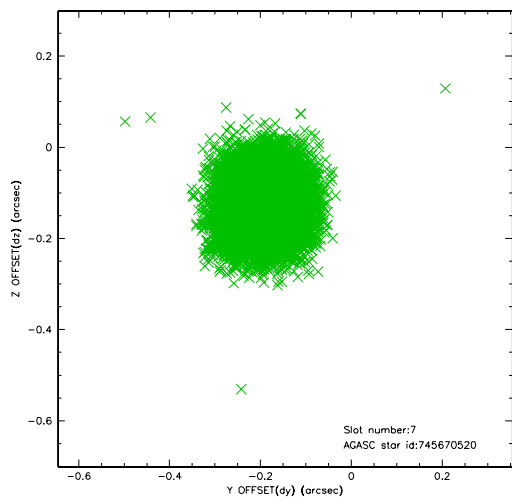
### 2.4.3 Slot 5



### 2.4.4 Slot 6

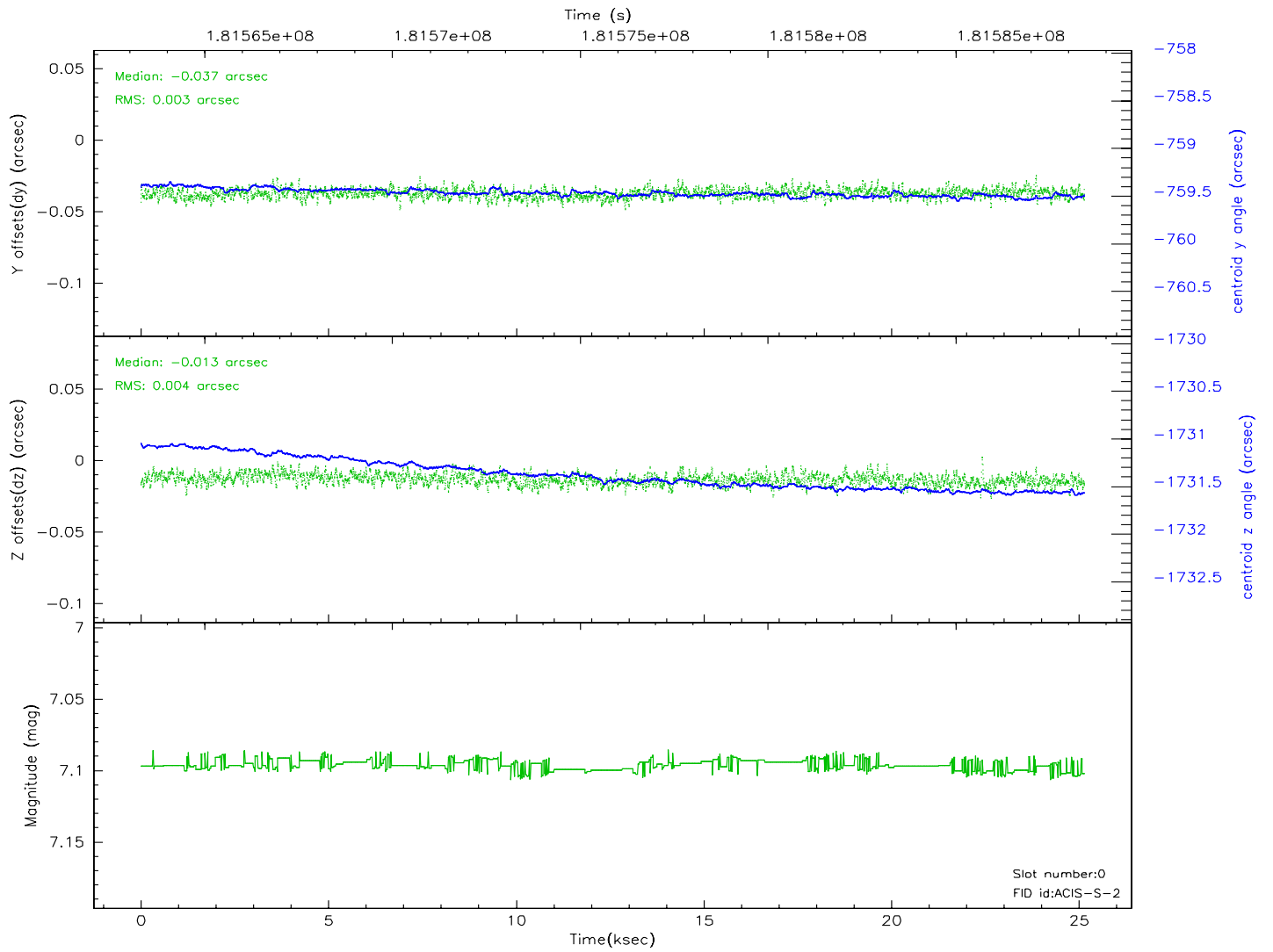
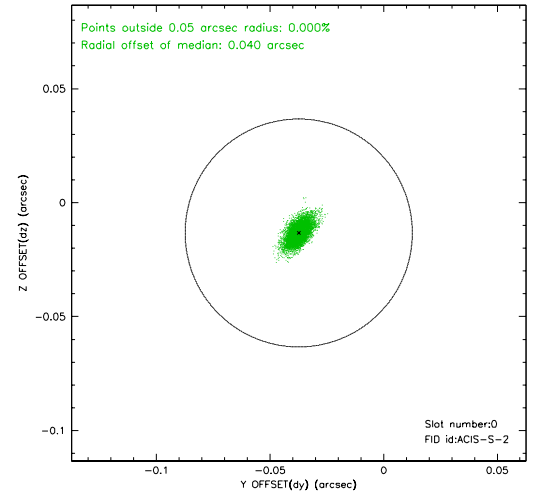
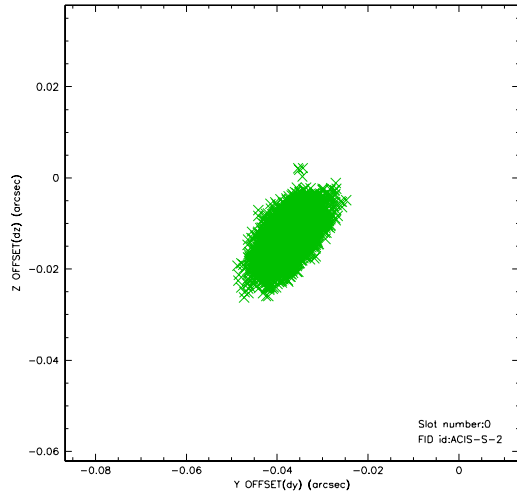


## 2.4.5 Slot 7

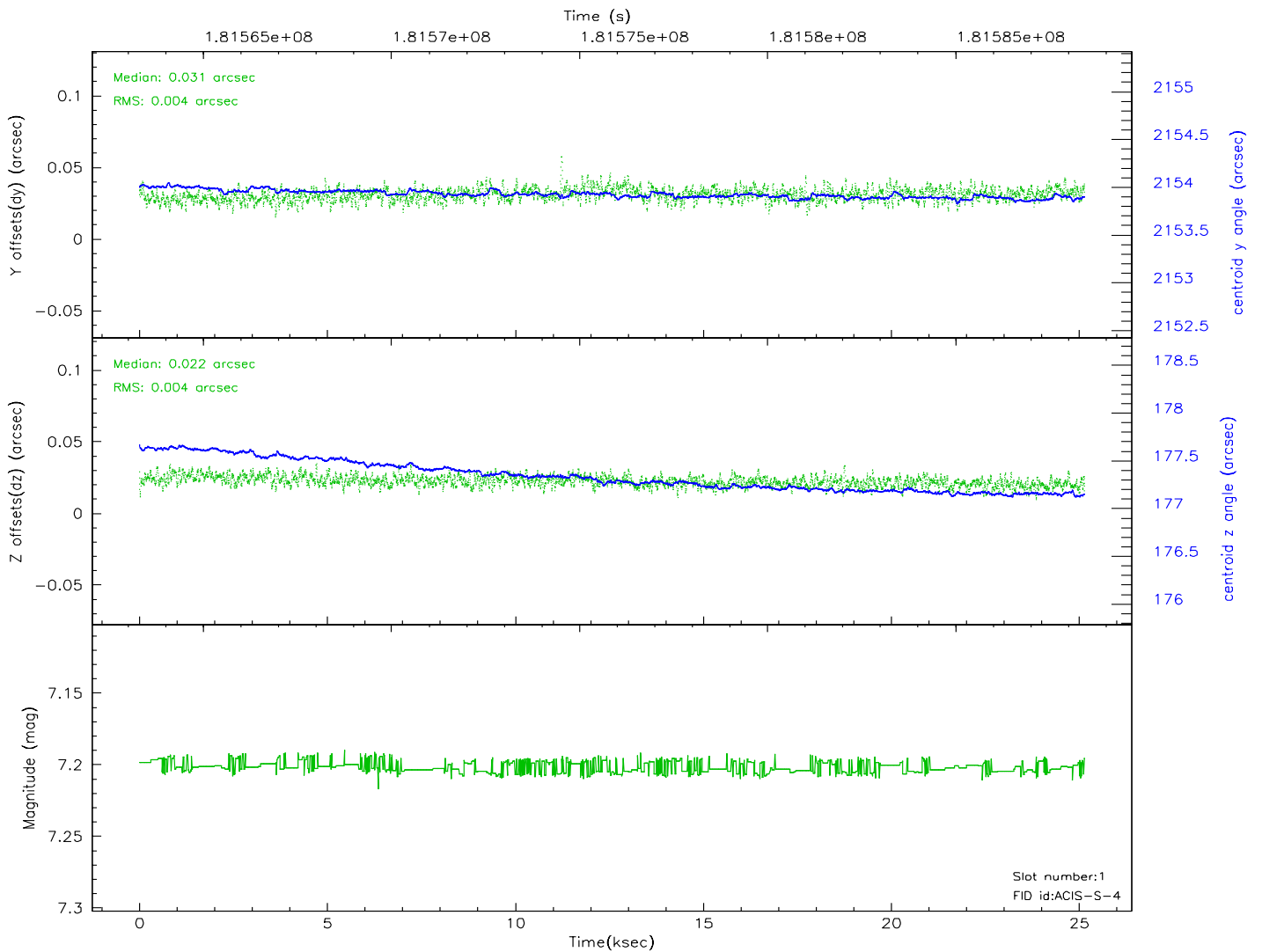
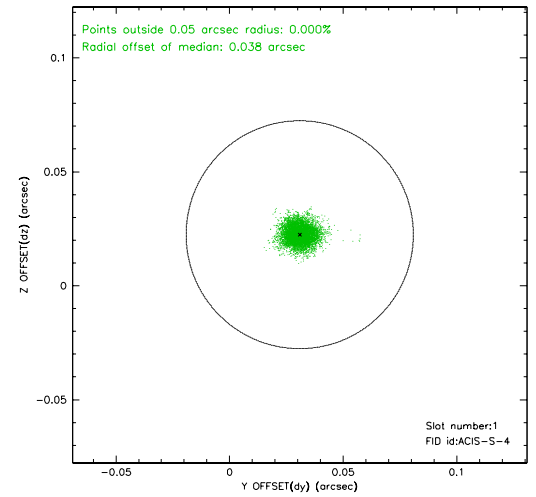
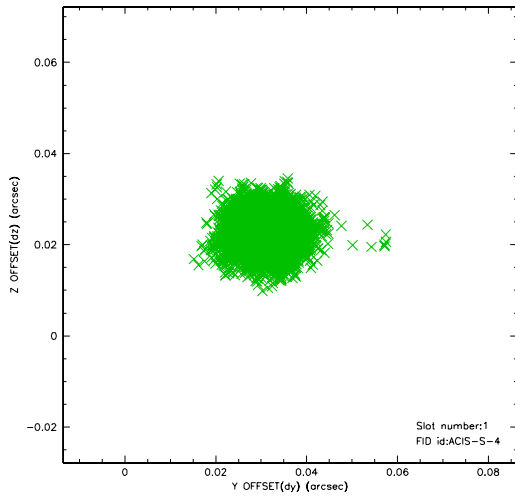


## 2.5 FID Slots

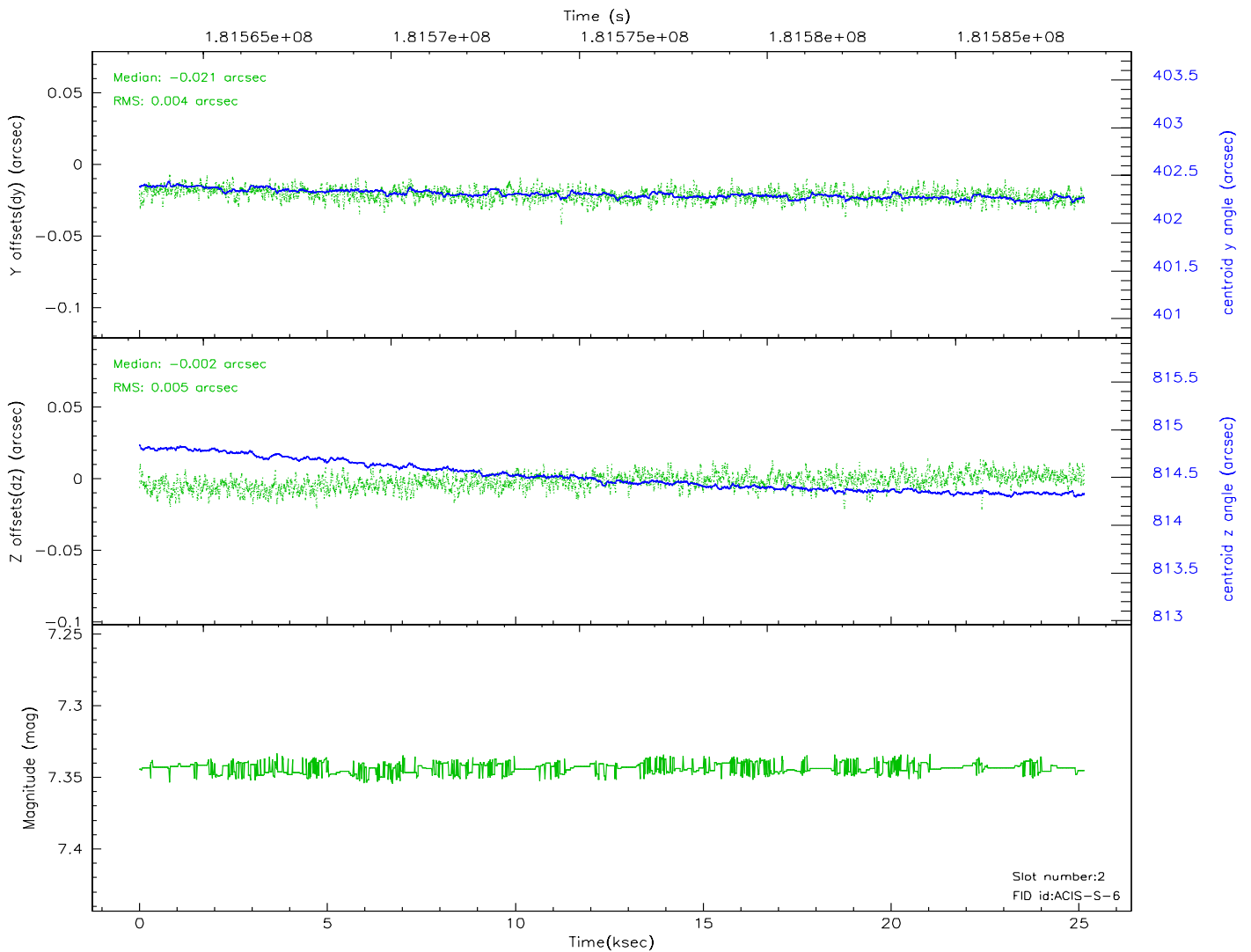
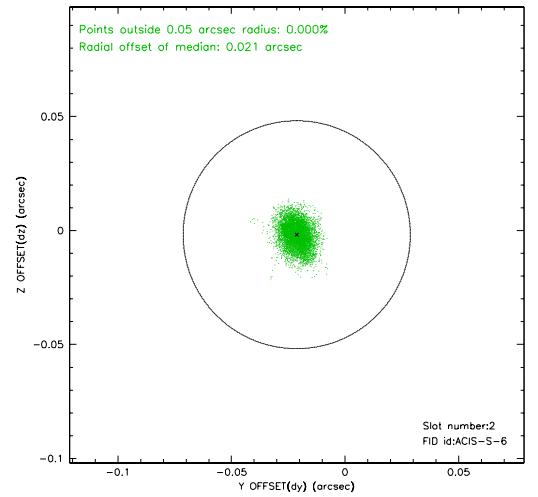
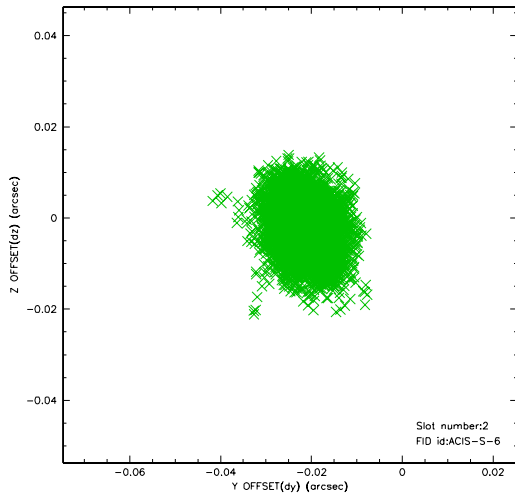
### 2.5.1 Slot 0



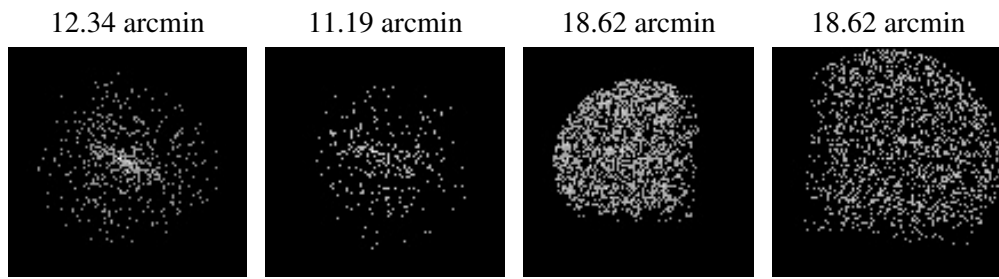
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.148

## A.2 Comments