

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6355 - L2 Version 002  
Chandra X-Ray Center

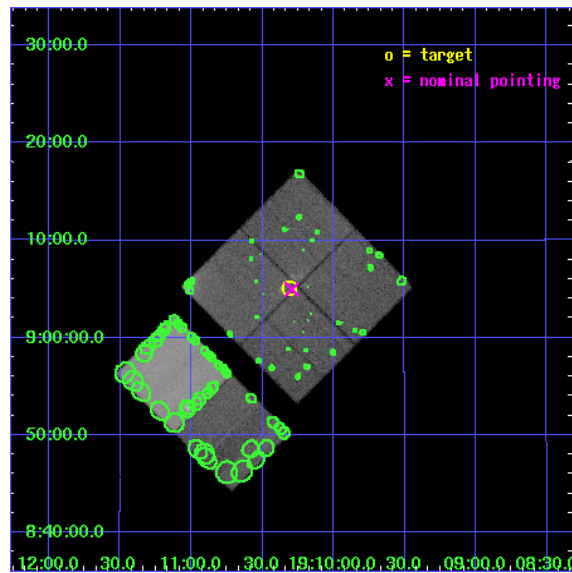
L2 Processing Date : Mar 18 2006

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# 1 Front

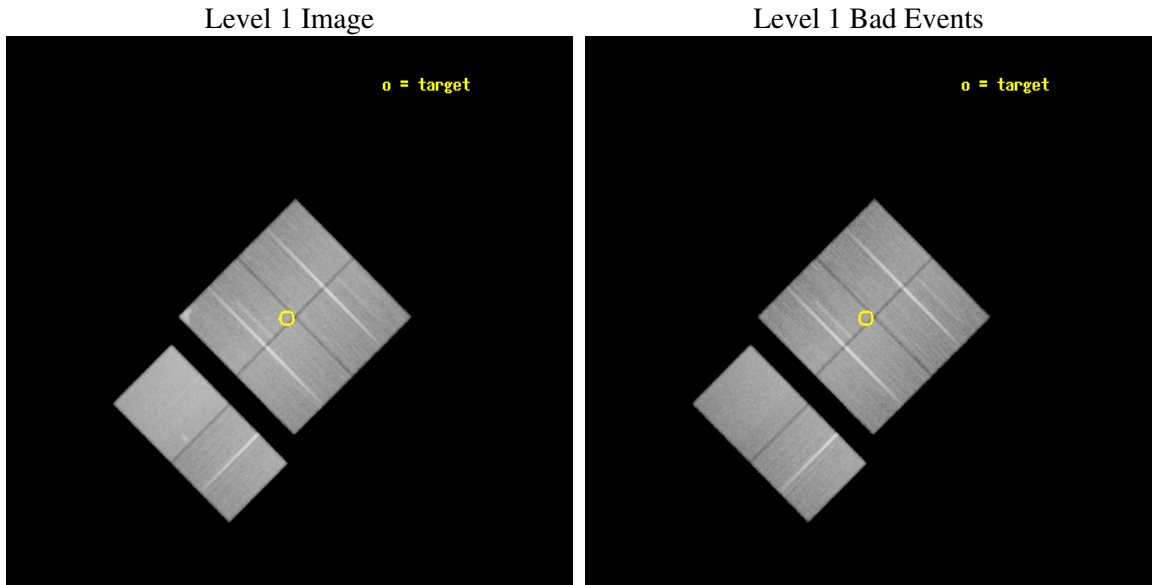
seq_num	900393
obs_id	6355
title	ACIS-I Reveals a 60 Mega Kelvin Cocoon Surrounding a Galactic Star Burst Monster
observer	Dr. Masahiro Tsujimoto
object	W49A
dtcycle	0
cycle	P
ra_targ	287.5775
dec_targ	9.084444
ra_nom	287.57315588813
dec_nom	9.0826899365578
roll_nom	225.20937044974
revision	2
ontime	63958.399761736
livetime	63148.519992829
ontime0	63951.917791218
ontime1	63955.158771455
ontime2	63958.399761736
ontime3	63958.399761736
ontime6	63951.917810977
ontime7	63958.399761736
l2events	522401



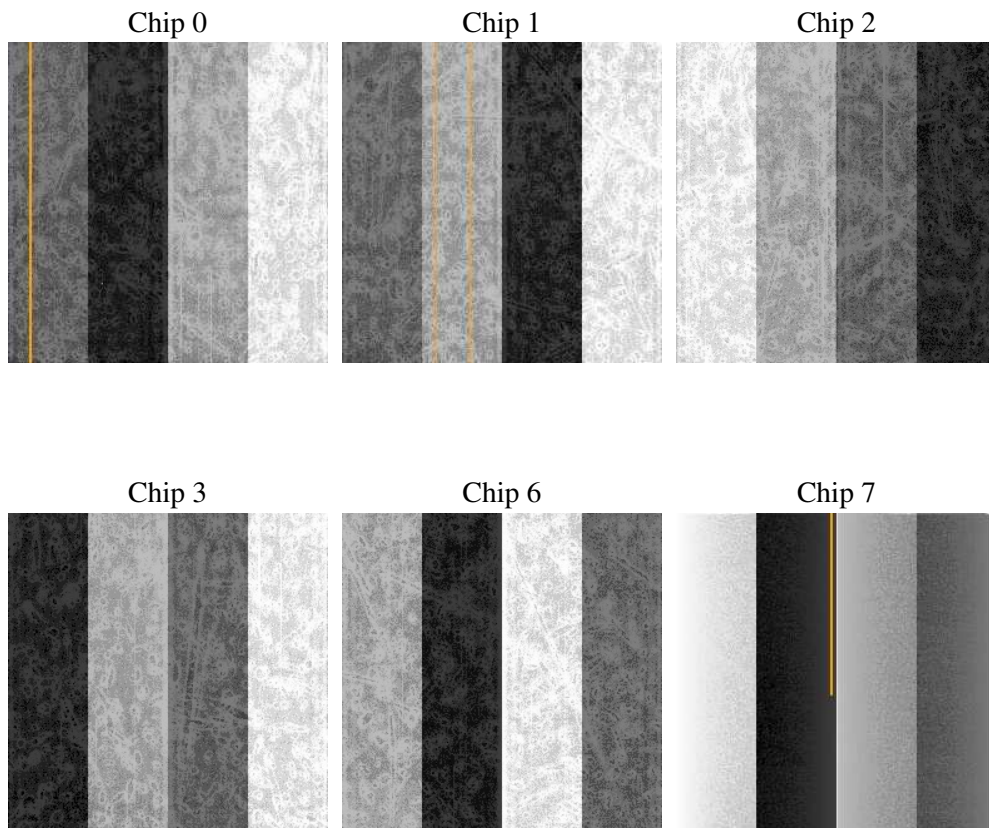
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-18T22:43:21
revision	2

sched_exp_time	64000.000000
ontime	63961.372350395
ontime0	63954.890379876
ontime1	63958.131360114
ontime2	63961.372350395
ontime3	63961.372350395
ontime6	63954.890399635
ontime7	63961.372350395
l1events	2970648

### 2.1.4 Events

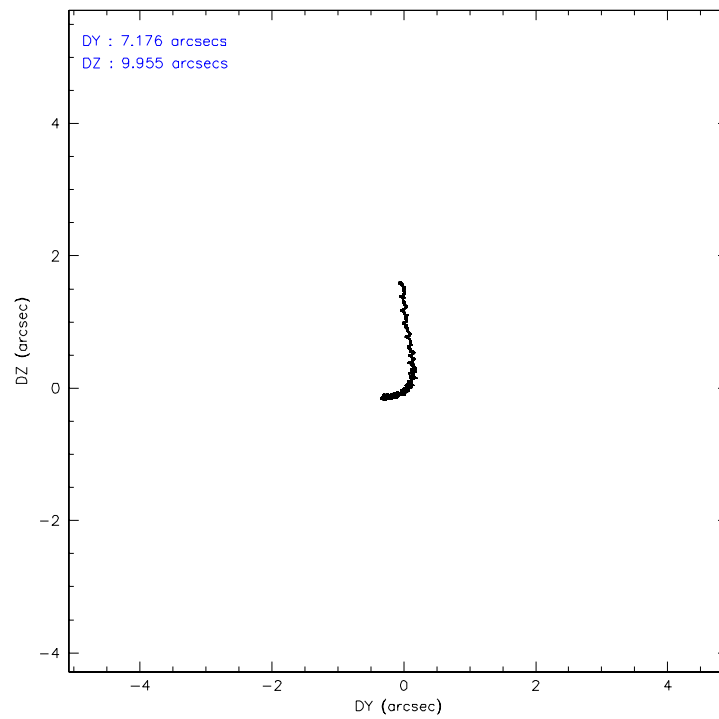
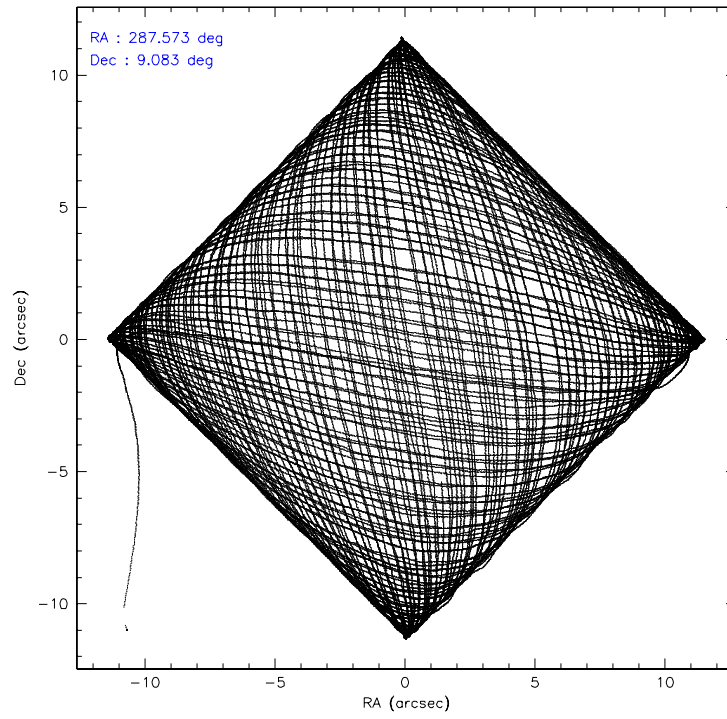
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	435342	442293	468271	488619	494598	641525
rejected events	373450	377435	407316	410824	434501	396138
rejected %	85%	85%	86%	84%	87%	61%

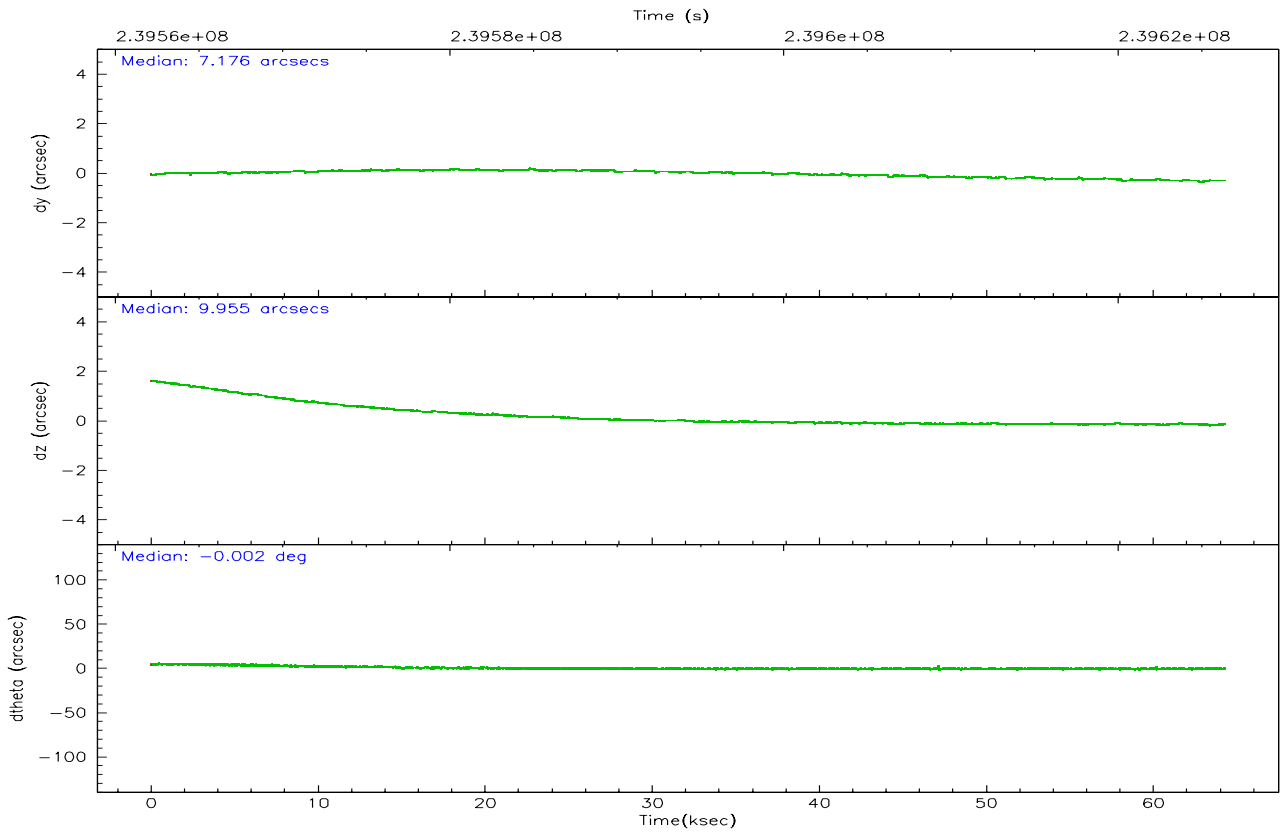
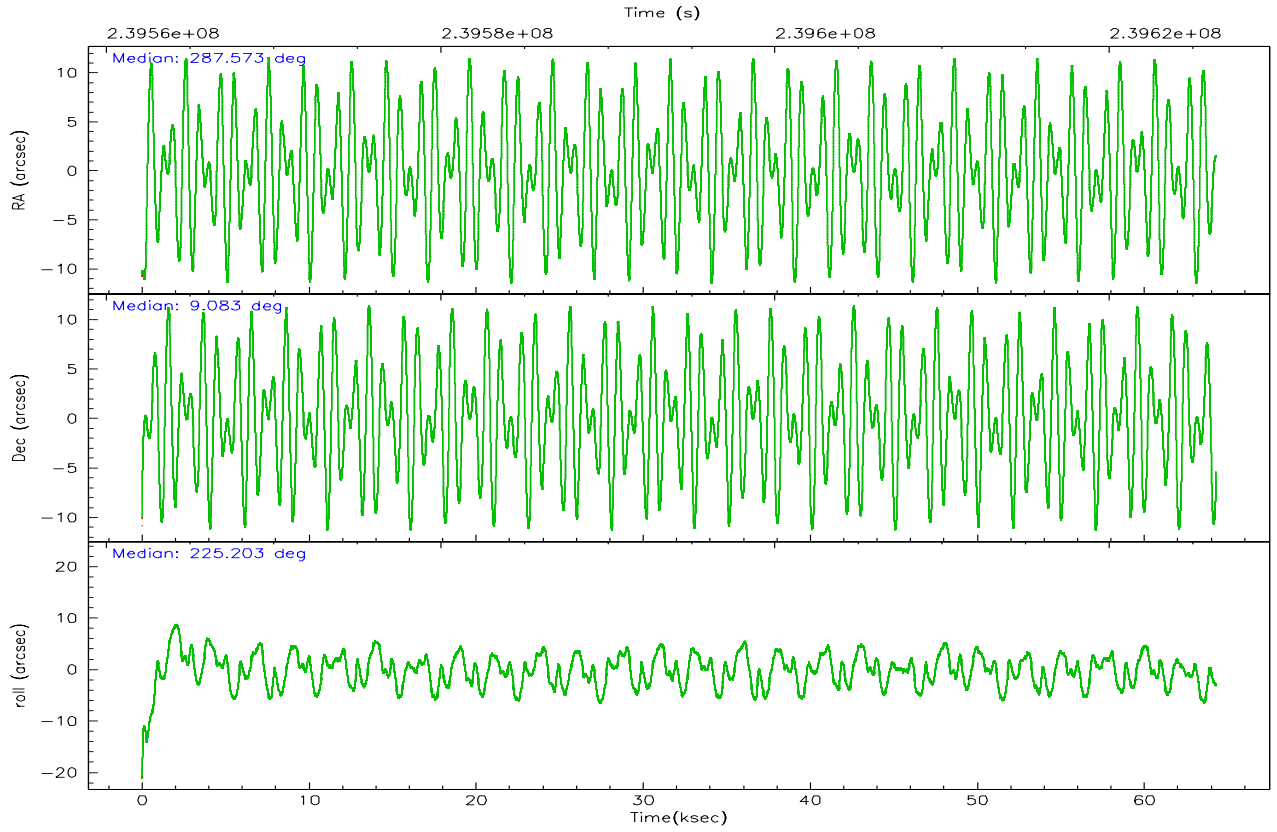
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	26135	25386	27199	39549	23149	13684
	6%	5%	5%	8%	4%	2%
grade 1 events	277	212	277	360	250	403
	0%	0%	0%	0%	0%	0%
grade 2 events	13937	15042	12928	14414	13841	61873
	3%	3%	2%	2%	2%	9%
grade 3 events	5637	5797	5265	6126	5385	12205
	1%	1%	1%	1%	1%	1%
grade 4 events	5244	5748	5517	6227	5328	11824
	1%	1%	1%	1%	1%	1%
grade 5 events	18876	20083	17920	20902	22380	41609
	4%	4%	3%	4%	4%	6%
grade 6 events	10940	12886	10049	11483	12396	145816
	2%	2%	2%	2%	2%	22%
grade 7 events	354296	357139	389116	389558	411869	354111
	81%	80%	83%	79%	83%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	287.580125	287.5731558881315	Alternating exposures requested	N	N
Pointing Dec	9.109197	9.082689936557774	Primary exposure time	0.000000	3.2
Pointing Roll	224.999582	225.2093704497383			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	239562410.184000	239561247.42167			
Observation start date	2005-08-04T17:05:46	2005-08-04T16:47:27			
Observation end time	239626410.184000	239627282.0247			
Observation end date	2005-08-05T10:52:26	2005-08-05T11:08:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect



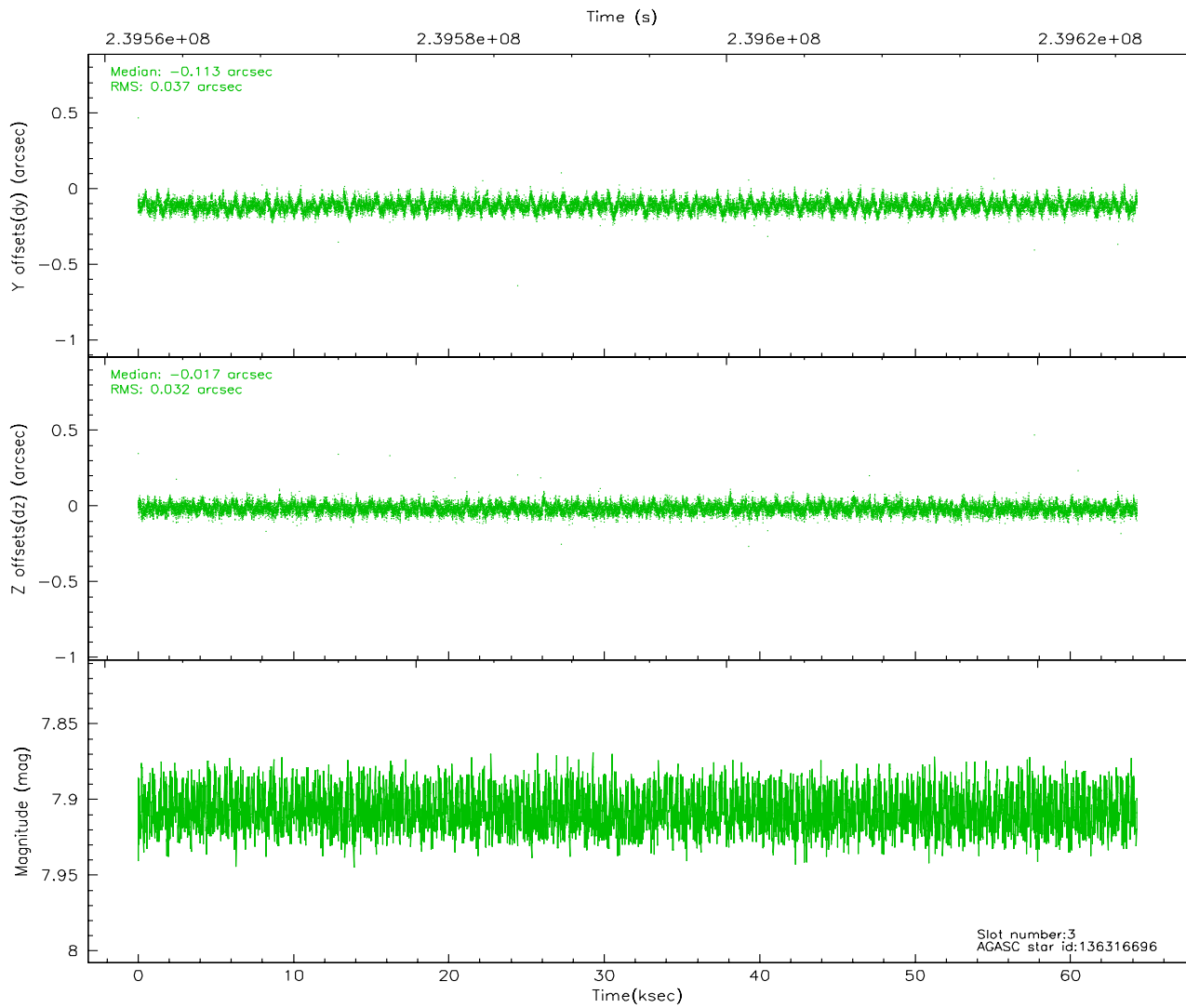
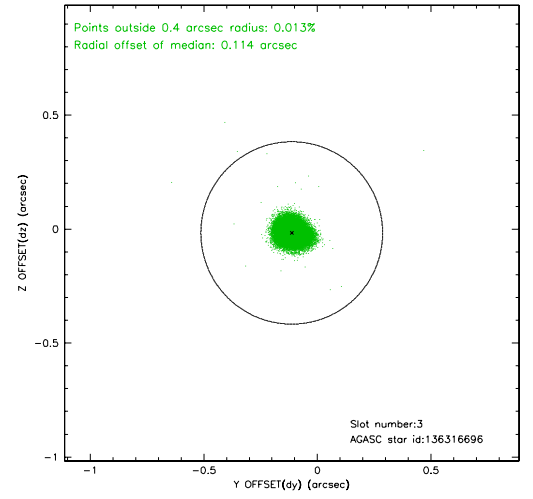
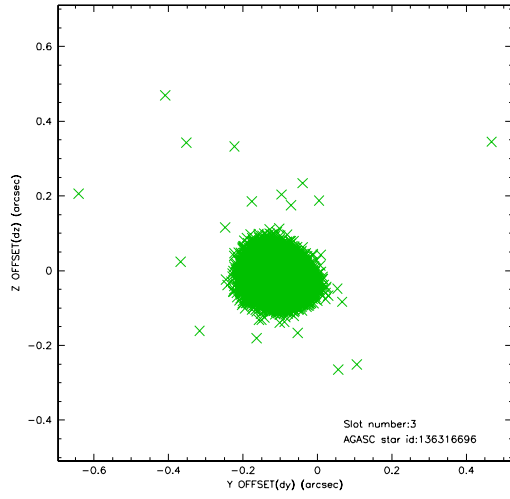


### Slot Statistics

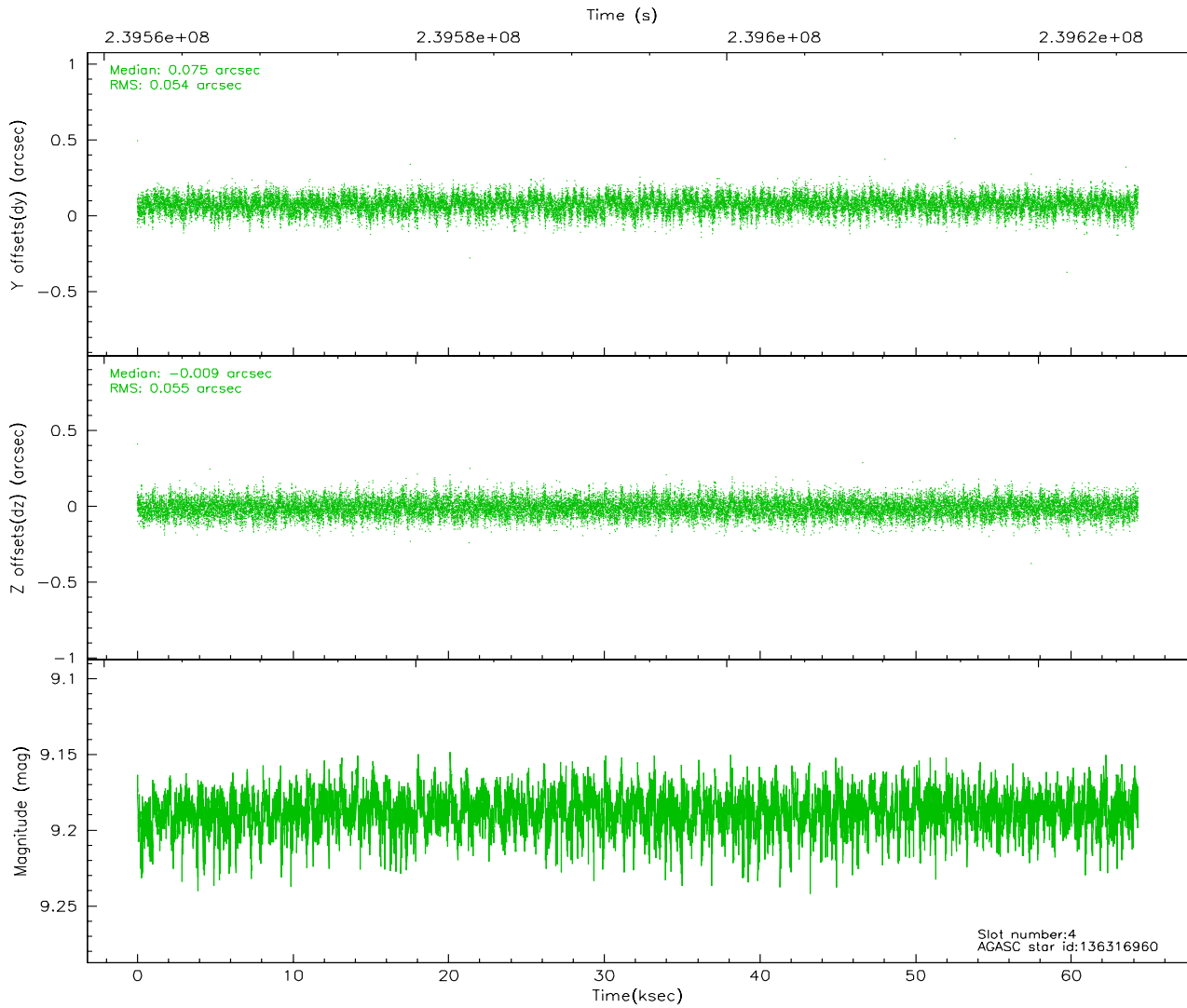
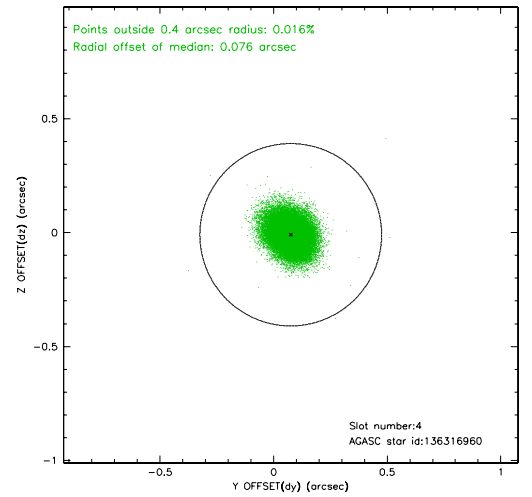
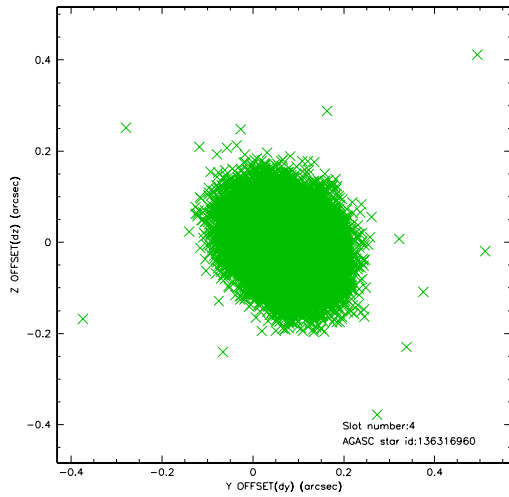
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	15681	-0.013	0.041	0.015	0.043	0.000000	0.000000	932.52	-833.62
1	FID	ACIS-I-5	7.23	15684	-0.130	0.020	0.009	0.026	0.000000	0.000000	-1815.73	1063.89
2	FID	ACIS-I-6	7.25	15683	0.052	0.010	0.011	0.029	0.000000	0.000000	398.18	1708.32
3	GUIDE	136316696	7.91	31366	-0.113	-0.017	0.051	0.083	287.190166	9.367792	321.13	-1638.23
4	GUIDE	136316960	9.19	31354	0.075	-0.009	0.082	0.134	287.104881	9.133555	1132.22	-1256.93
5	GUIDE	136317344	9.26	31347	0.182	-0.009	0.085	0.139	287.032148	8.921467	1855.56	-900.83
6	GUIDE	136979696	9.39	31350	-0.017	0.124	0.085	0.138	287.607746	9.703592	-1582.02	-1443.59
7	GUIDE	136451040	7.20	31360	-0.126	-0.094	0.051	0.084	287.806788	8.498975	982.49	2124.09

## 2.4 Star Slots

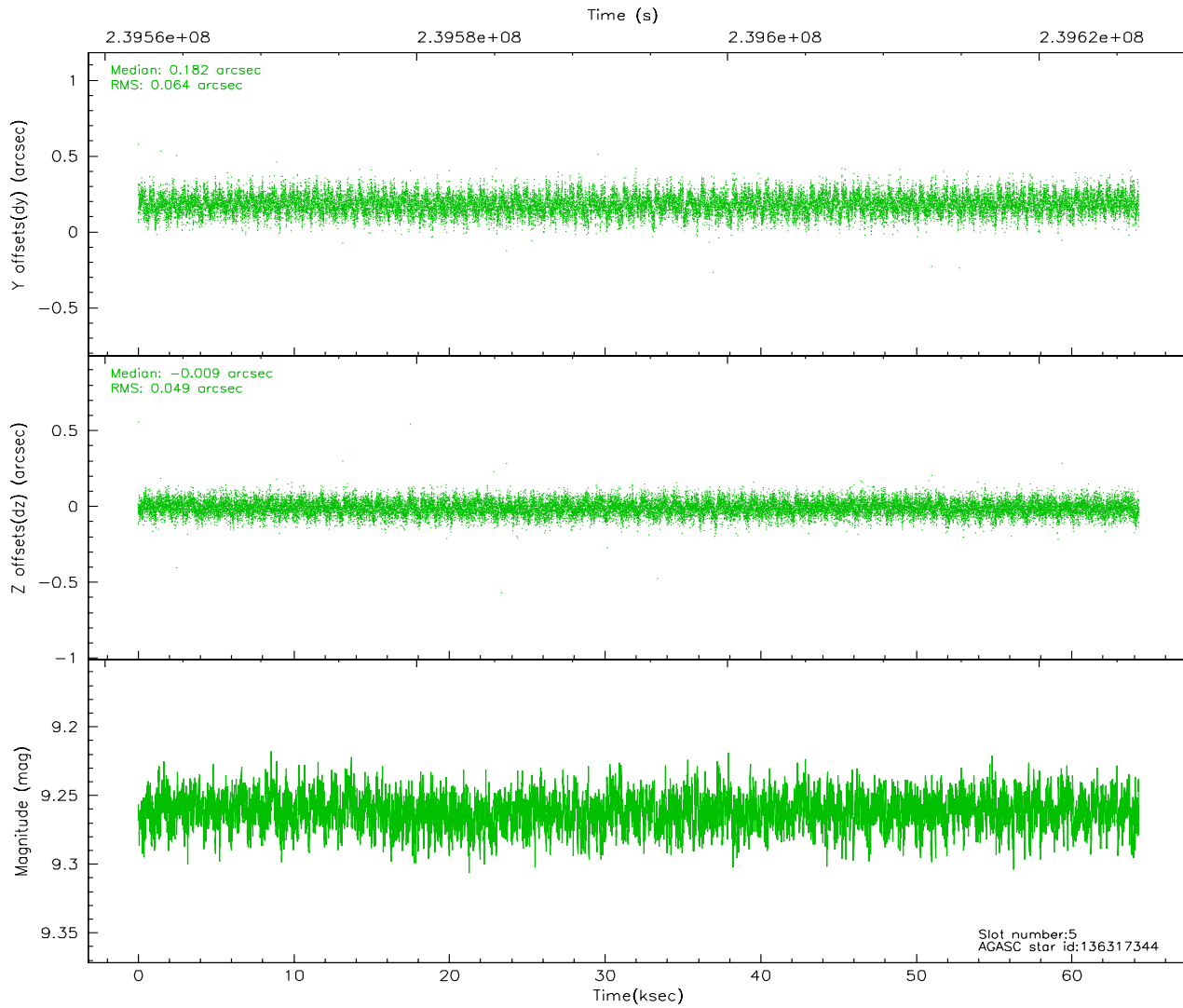
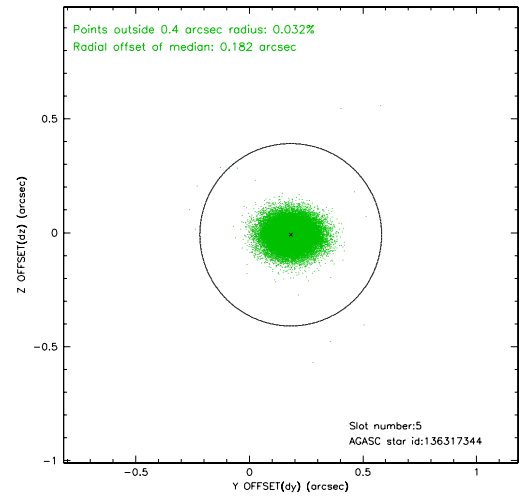
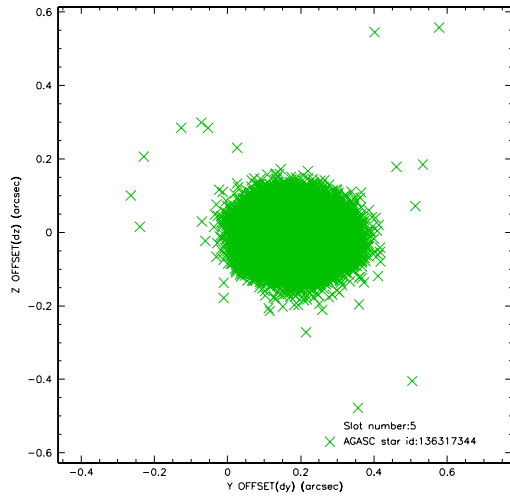
### 2.4.1 Slot 3



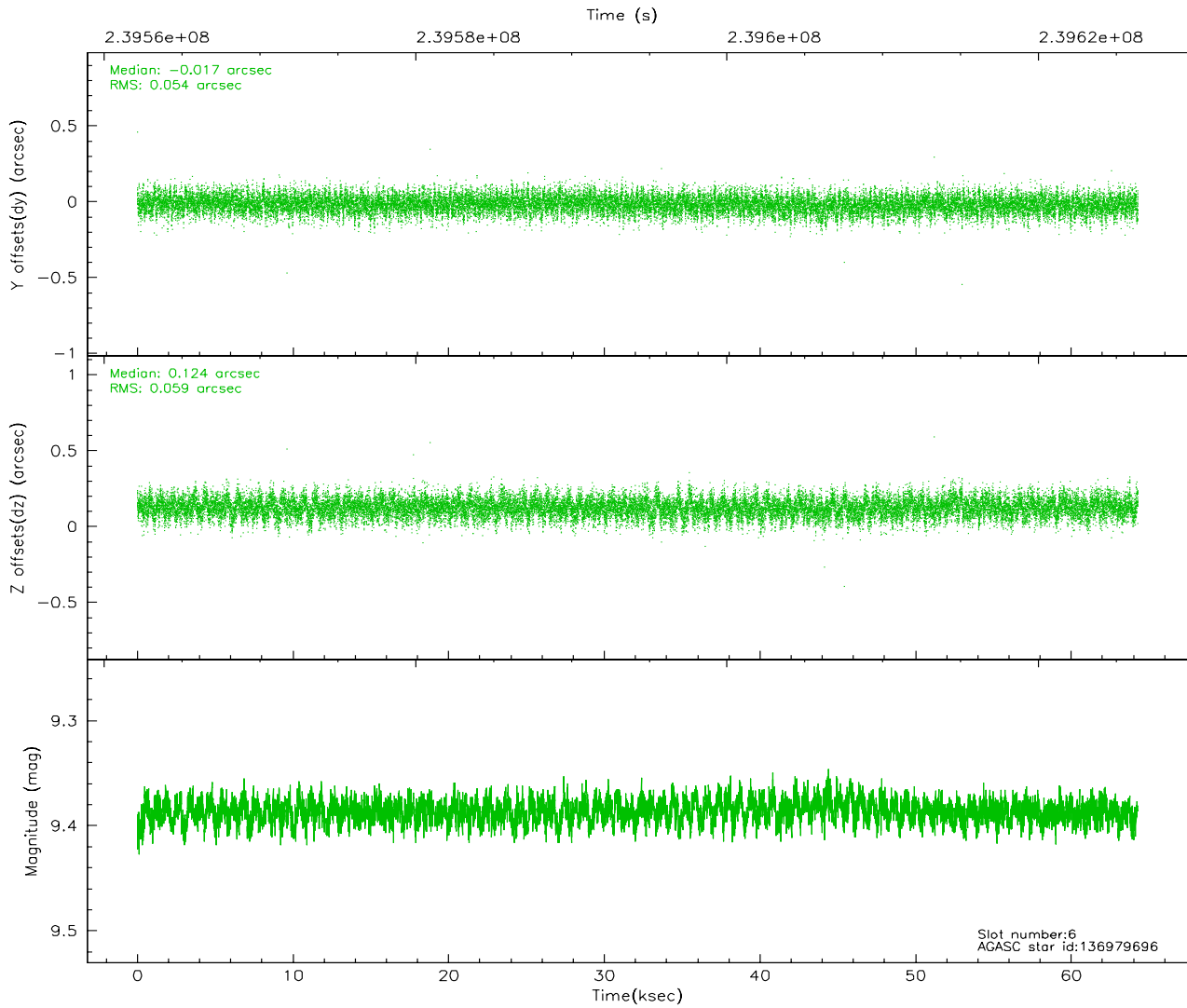
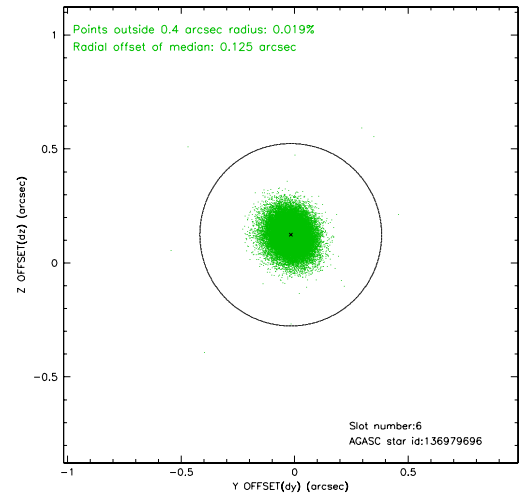
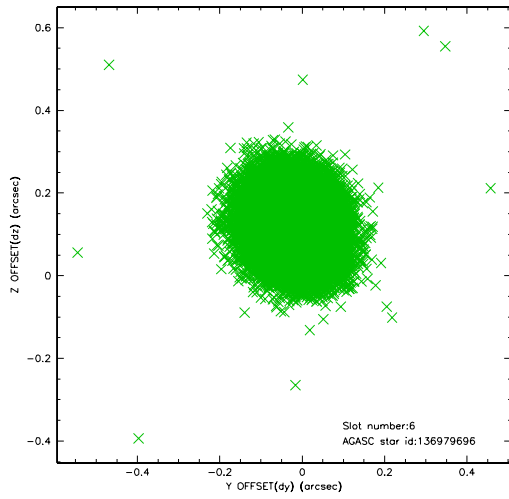
### 2.4.2 Slot 4



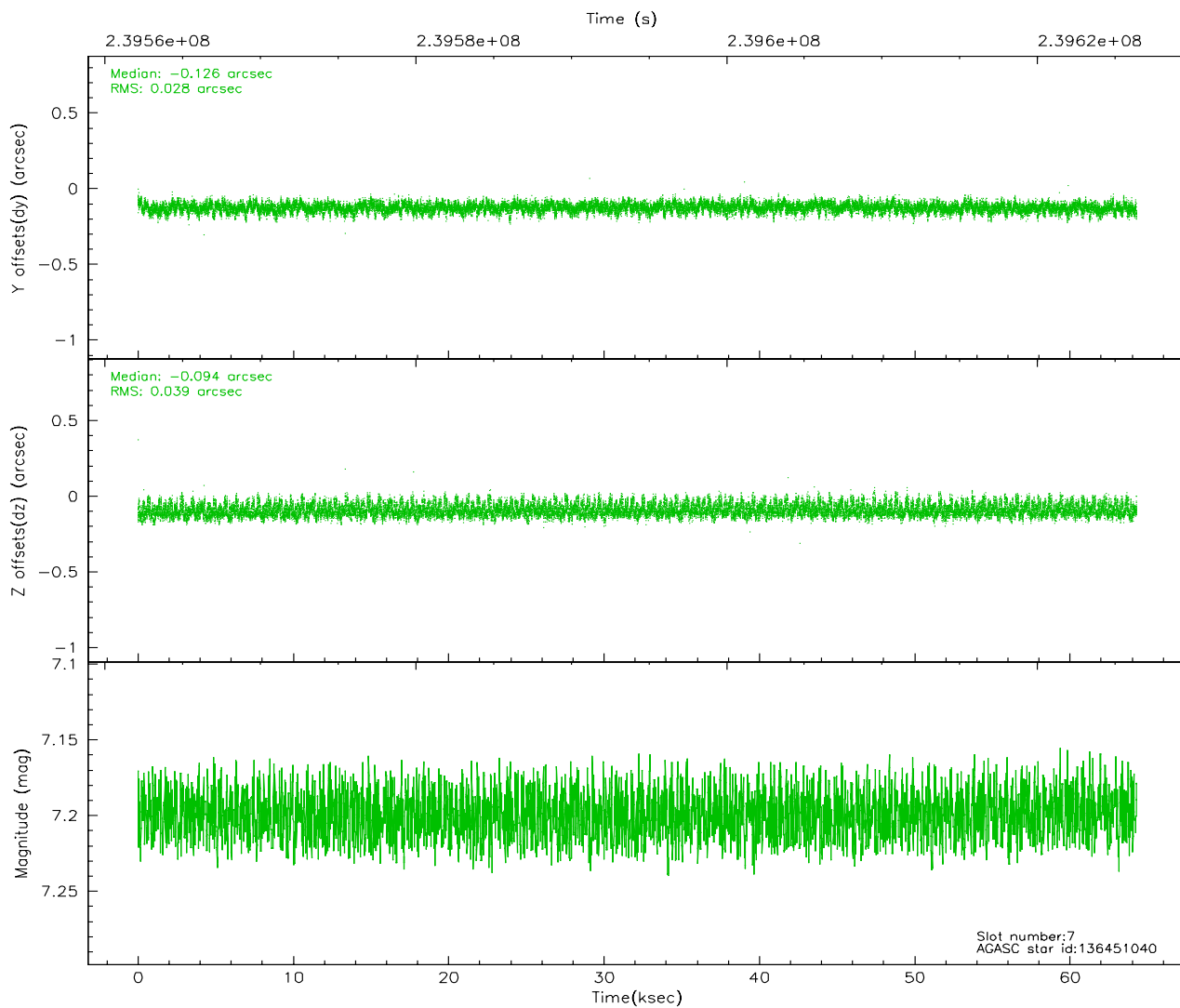
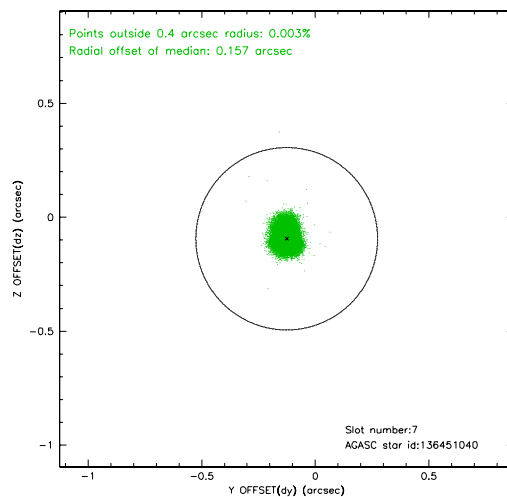
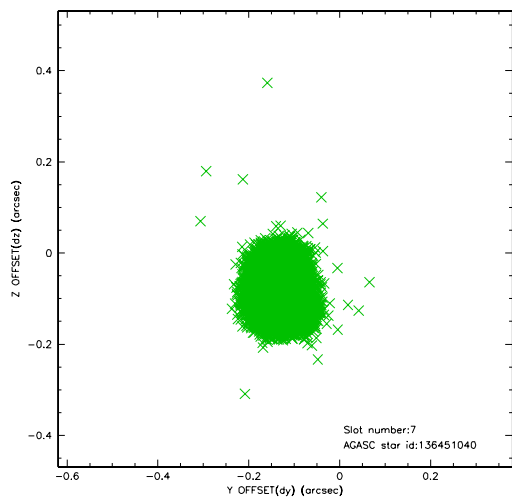
### 2.4.3 Slot 5



### 2.4.4 Slot 6

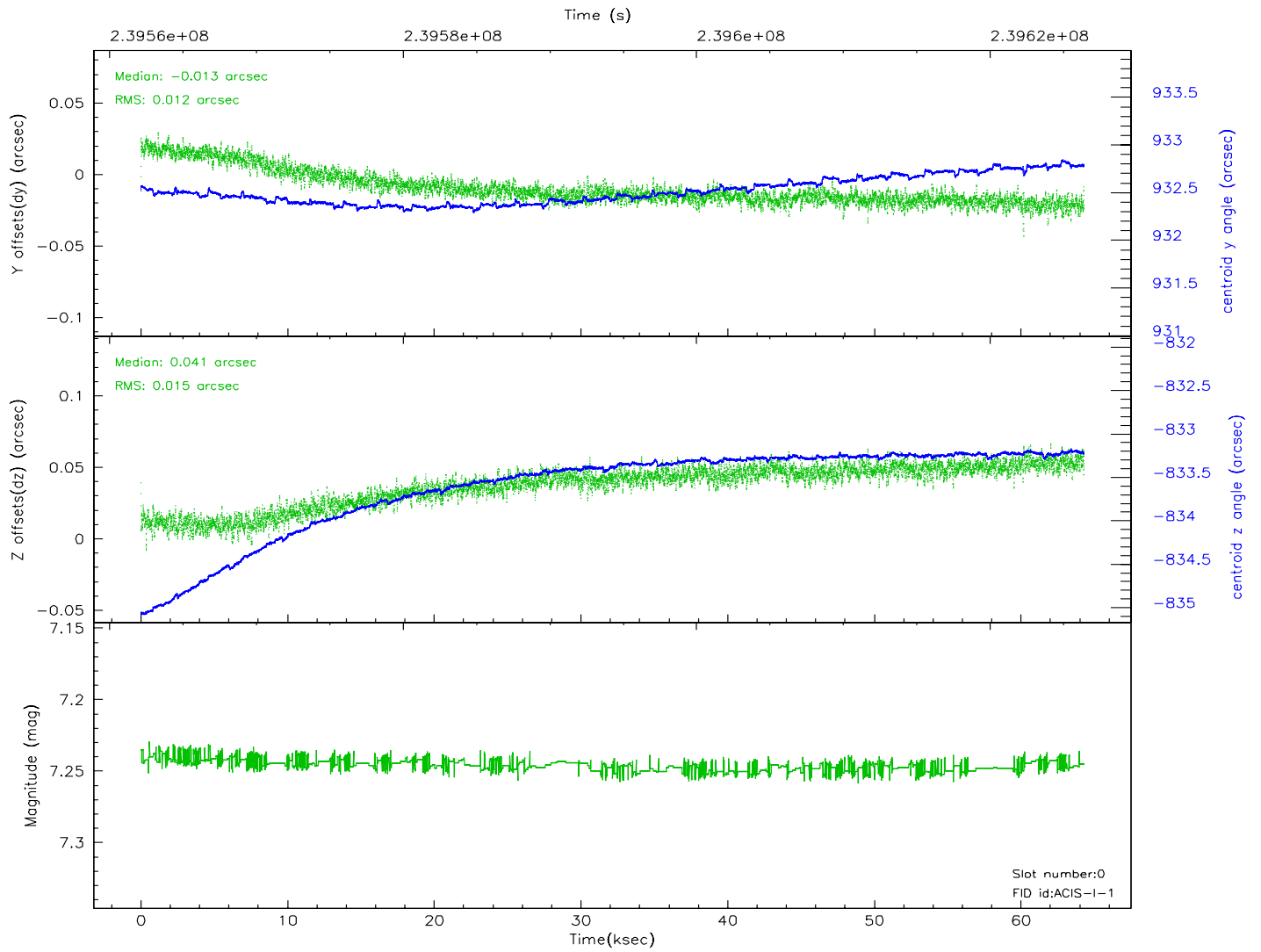
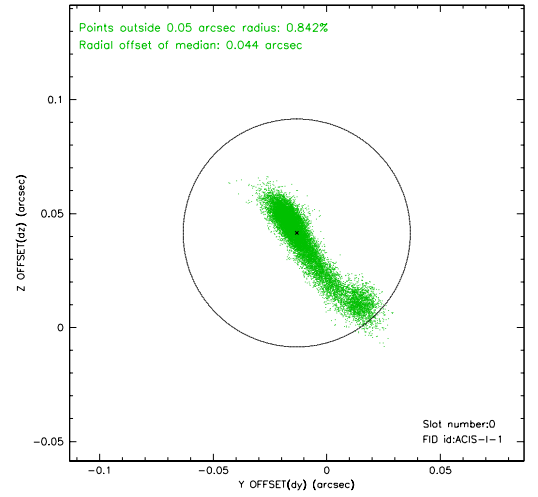
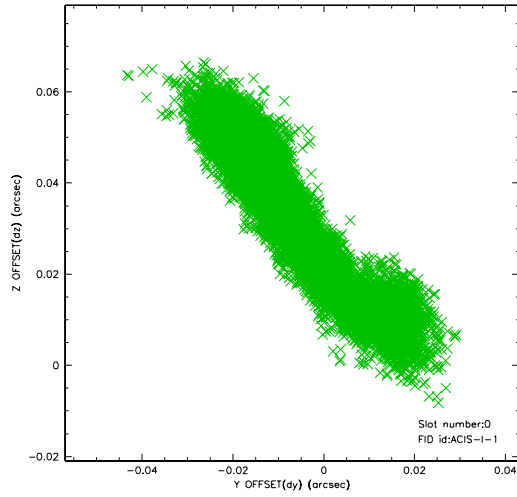


## 2.4.5 Slot 7

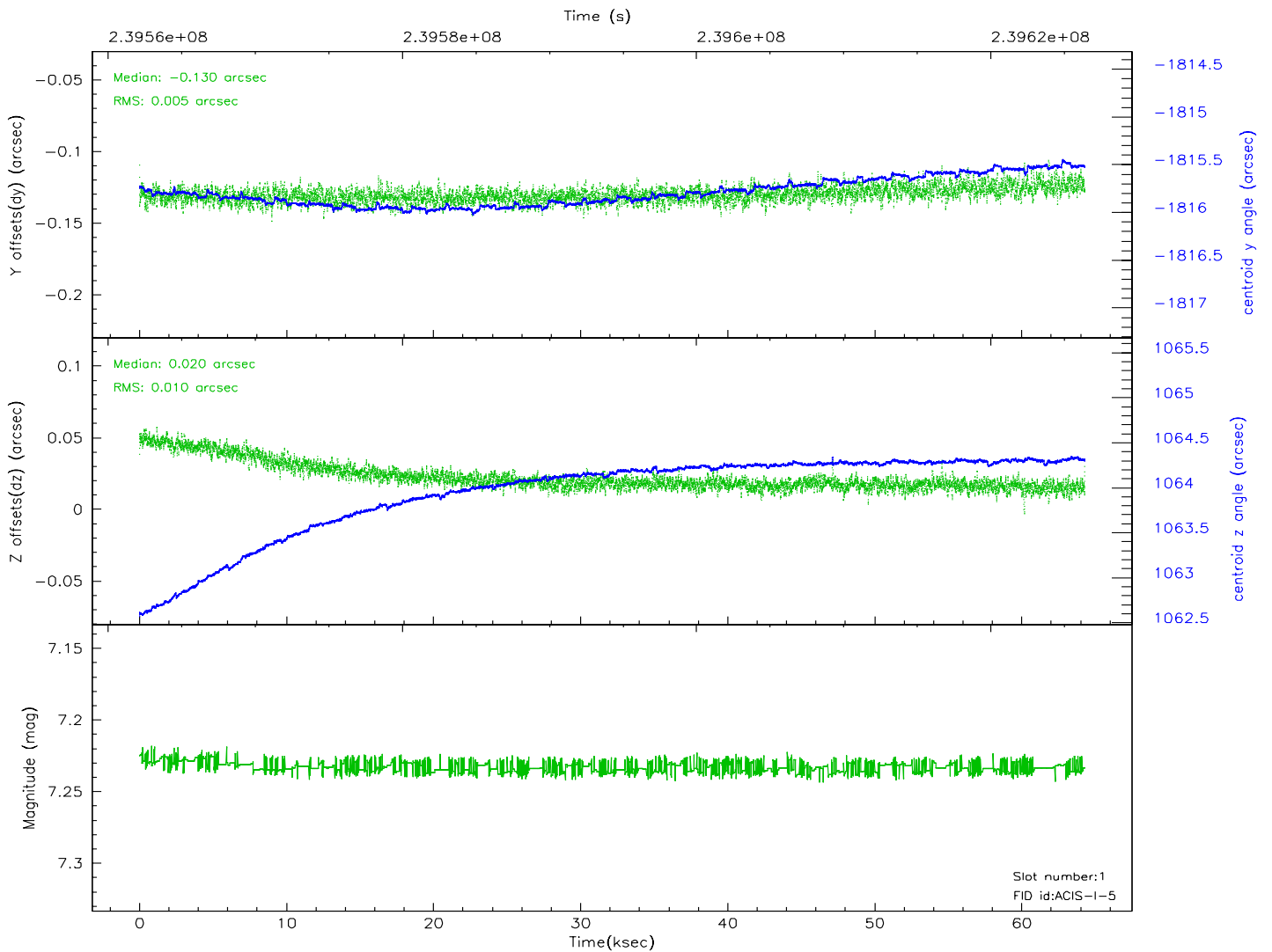
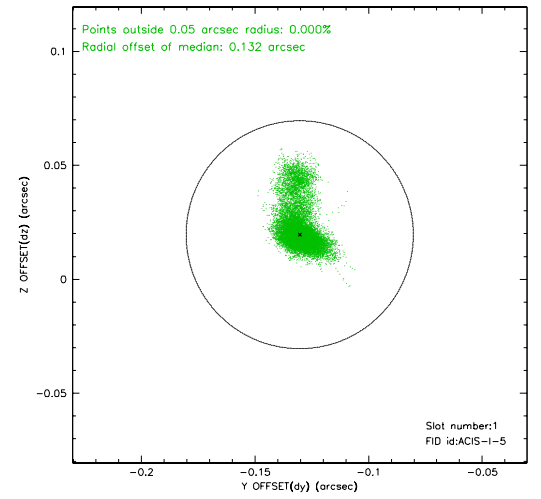
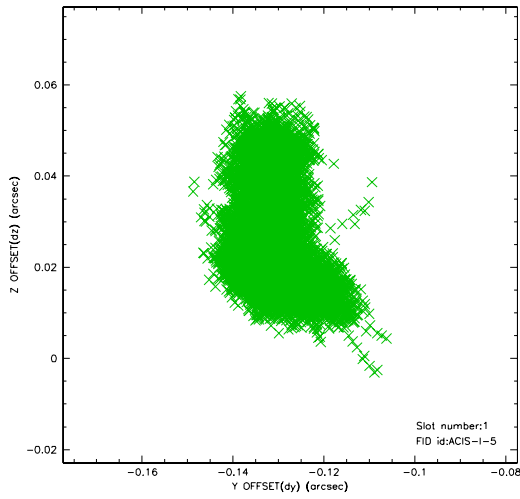


## 2.5 FID Slots

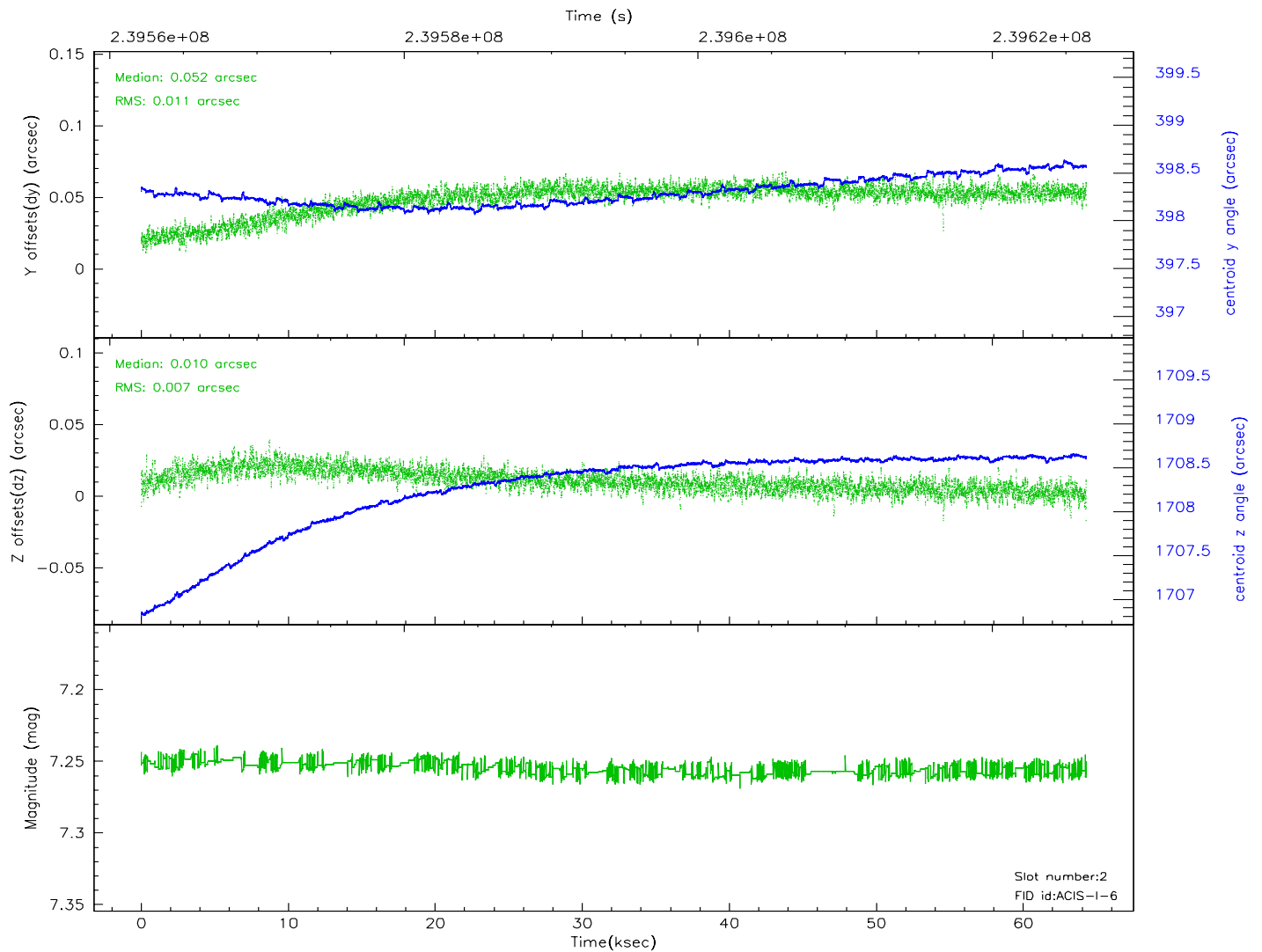
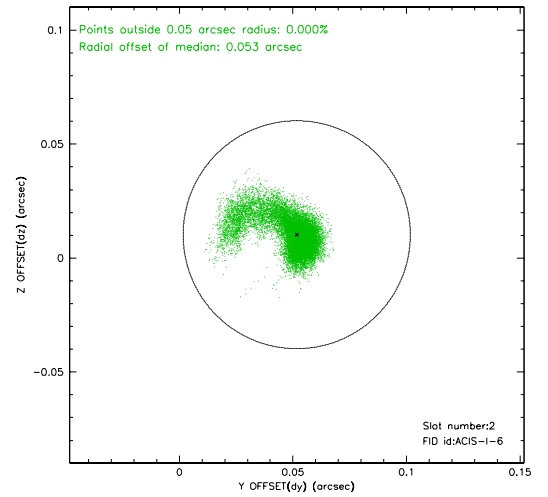
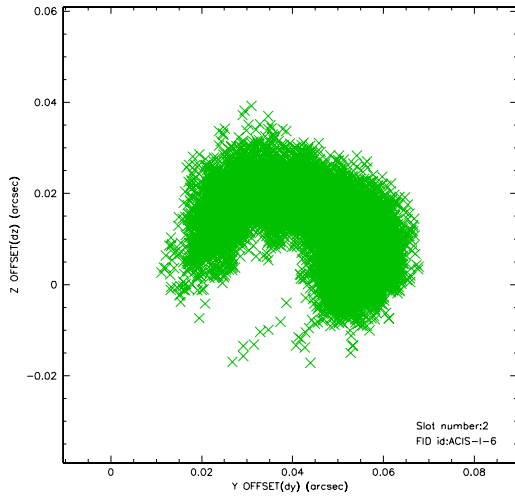
### 2.5.1 Slot 0



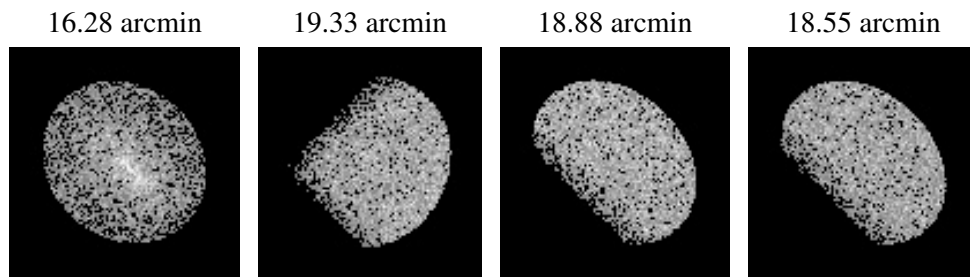
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	63.96137

## A.2 Comments