

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5325 - L2 Version 001  
Chandra X-Ray Center

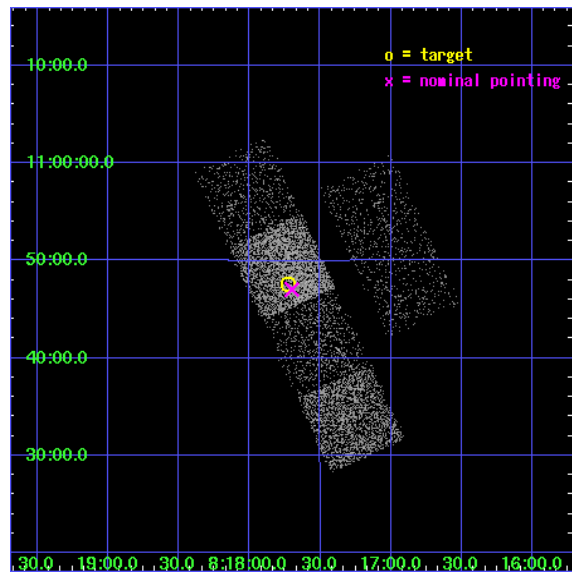
L2 Processing Date : May 18 2006

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# 1 Front

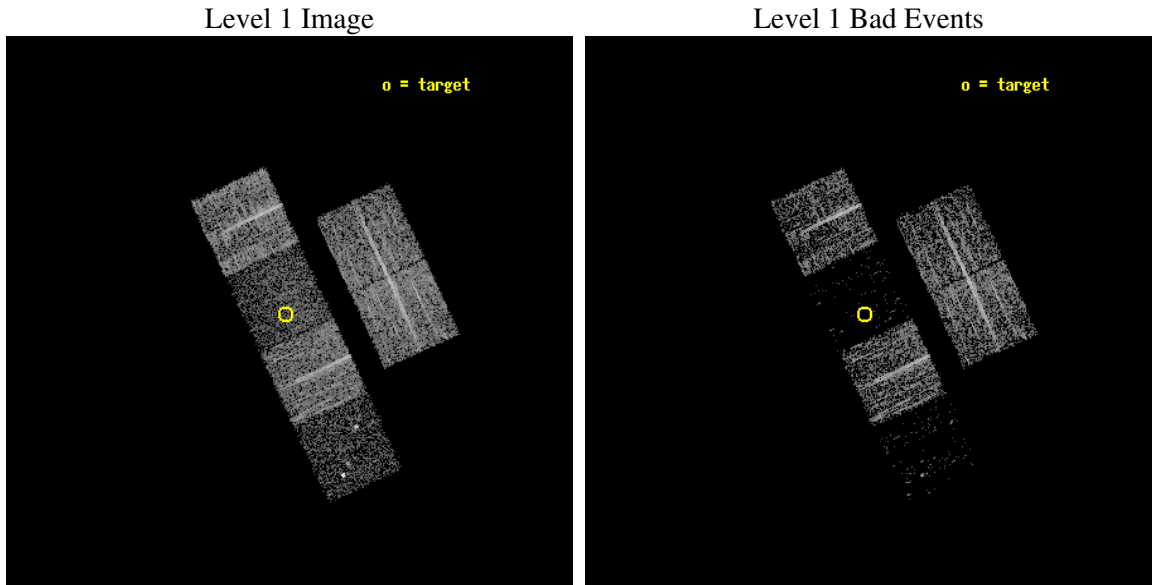
seq_num	100053
obs_id	5325
title	Chandra Snapshot Spectral Imaging of Comets C/2001 Q4 (NEAT) and C/2002 T7 (LINEAR)
observer	Dr. Carey Lisse
object	C/2001 Q4 (NEAT)
dtcycle	0
cycle	P
ra_targ	124.43082
dec_targ	10.792146
ra_nom	124.42510201398
dec_nom	10.784096216985
roll_nom	245.15768269559
revision	2
ontime	3484.7999870181
livetime	3440.6733512878
ontime2	3484.7999870181
ontime3	3481.5590167344
ontime5	3484.7999870181
ontime6	3484.7999870181
ontime7	3484.7999870181
ontime8	3484.7999870181
l2events	9220



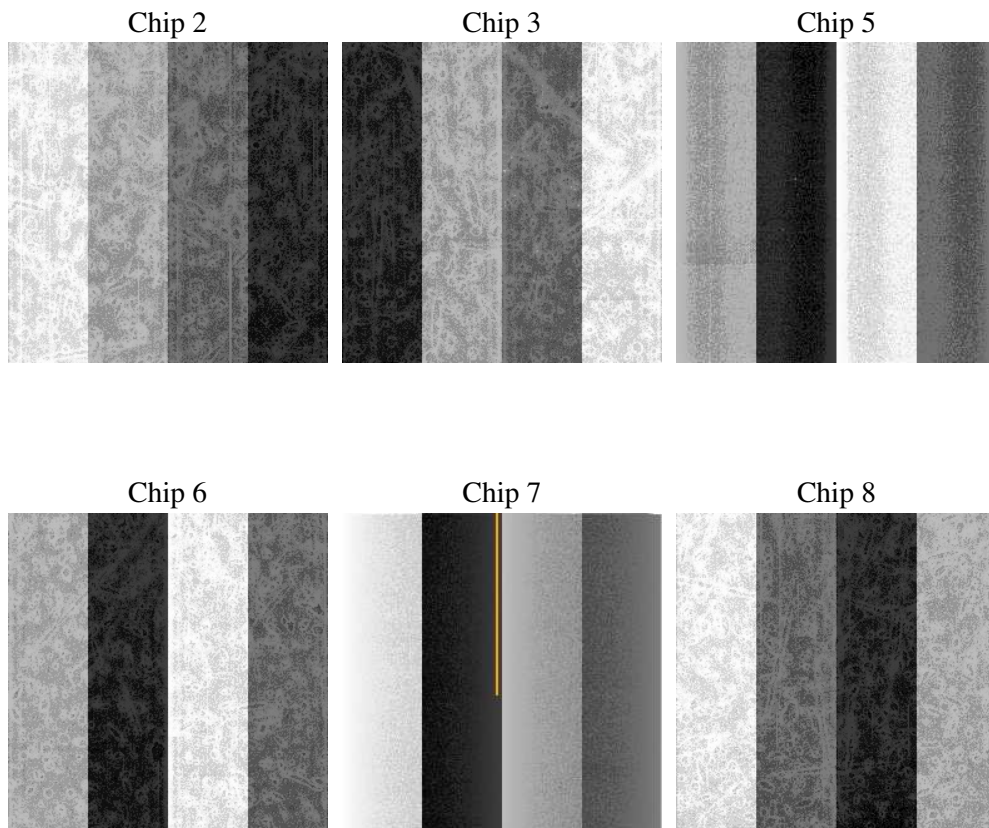
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-19T00:11:12
revision	2

sched_exp_time	3300.000000
ontime	3808.1753079593
ontime2	3808.1753079593
ontime3	3804.9343376756
ontime5	3808.1753079593
ontime6	3808.1753079593
ontime7	3808.1753079593
ontime8	3808.1752880812
l1events	72833

### 2.1.4 Events

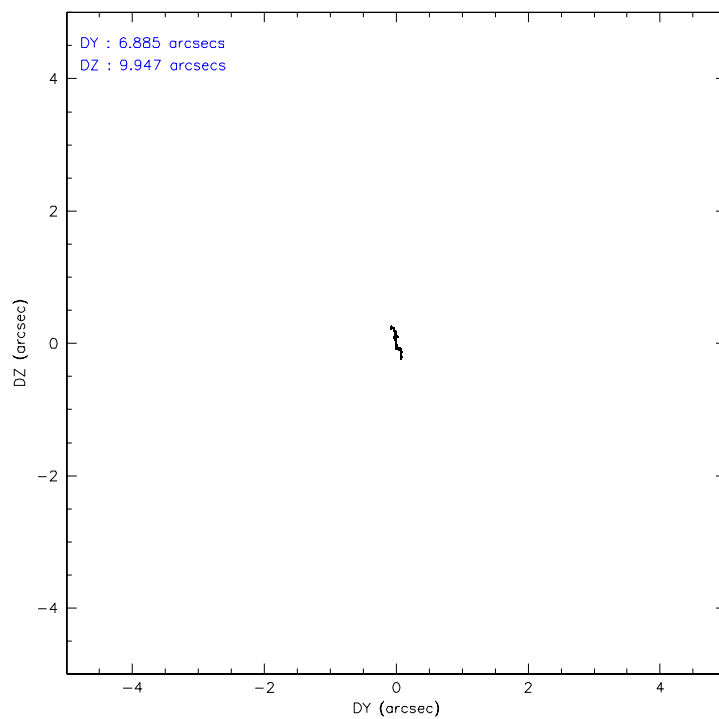
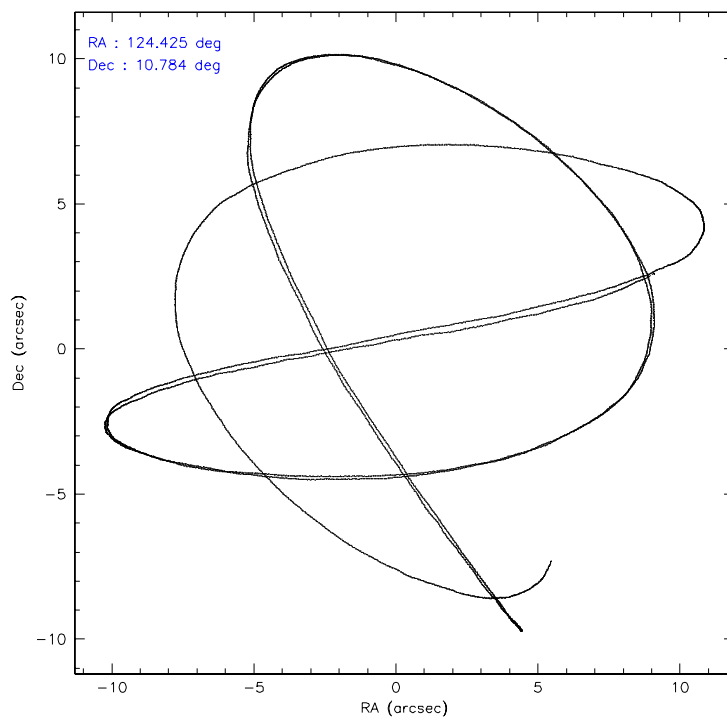
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17312	13762	4805	14932	5233	16789
rejected events	16551	13176	1190	13862	847	13095
rejected %	95%	95%	24%	92%	16%	77%

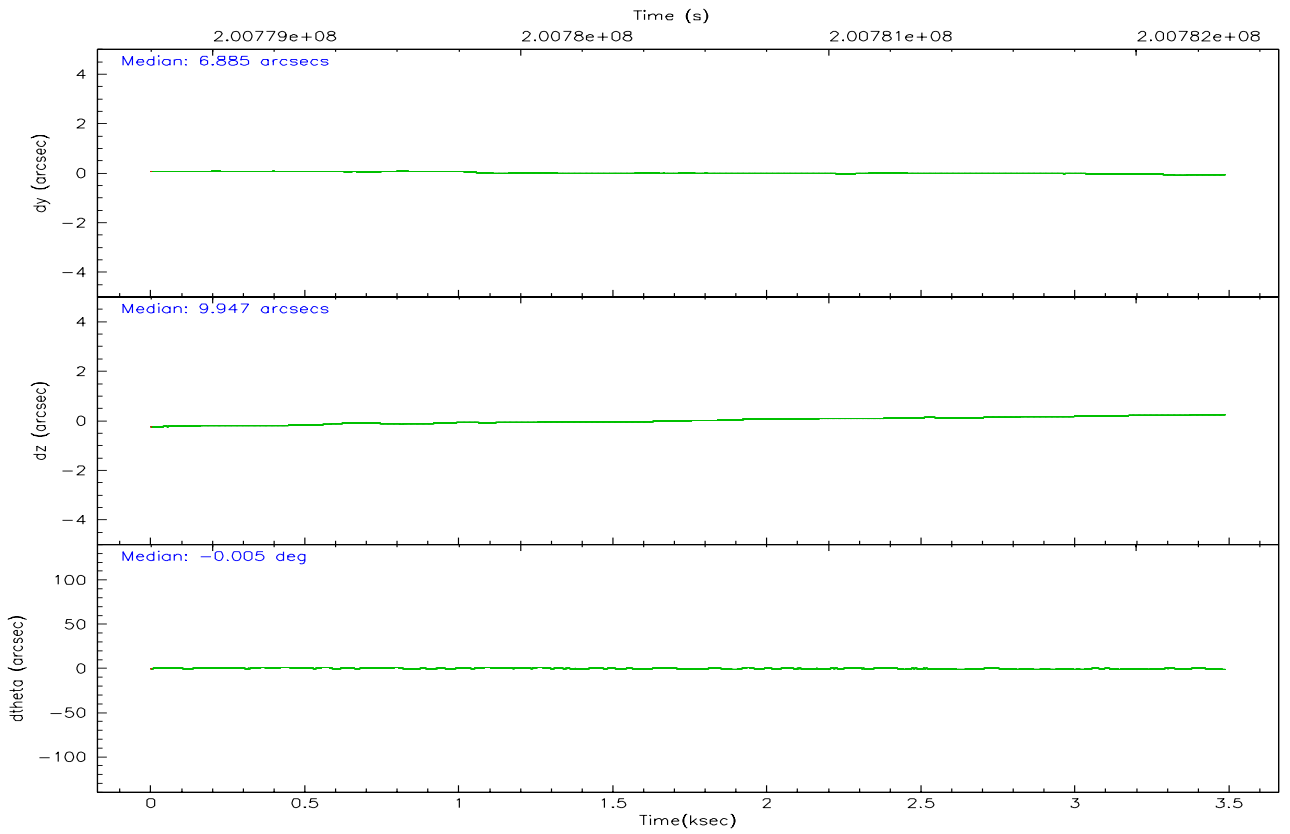
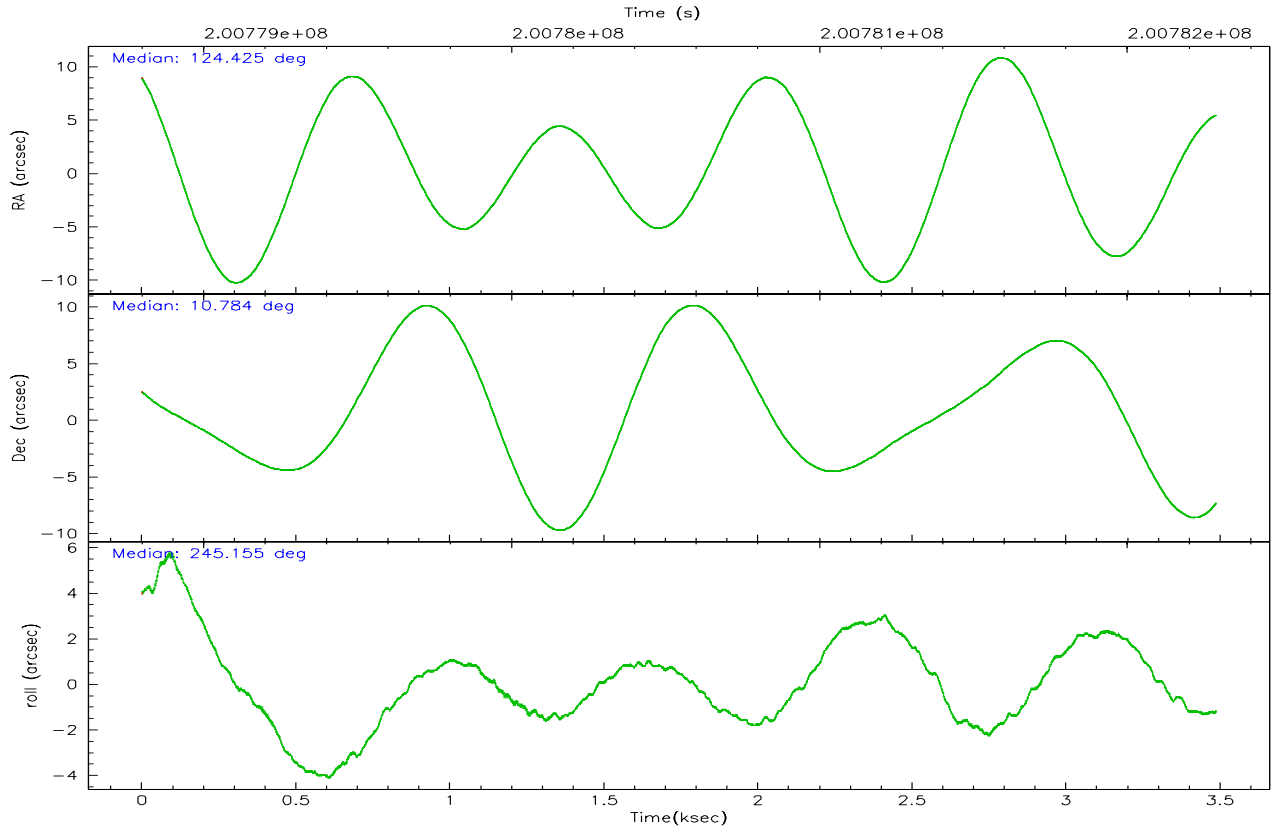
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	387	347	2029	797	2129	1312
	2%	2%	42%	5%	40%	7%
grade 1 events	7	5	47	7	7	17
	0%	0%	0%	0%	0%	0%
grade 2 events	168	60	980	139	1261	917
	0%	0%	20%	0%	24%	5%
grade 3 events	95	110	368	101	517	411
	0%	0%	7%	0%	9%	2%
grade 4 events	86	78	308	80	497	392
	0%	0%	6%	0%	9%	2%
grade 5 events	26	24	109	23	59	82
	0%	0%	2%	0%	1%	0%
grade 6 events	84	55	277	56	339	1009
	0%	0%	5%	0%	6%	6%
grade 7 events	16459	13083	687	13729	424	12649
	95%	95%	14%	91%	8%	75%

## 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	124.422316	124.4251020139787	Alternating exposures requested	N	N
Pointing Dec	10.811305	10.784096216985	Primary exposure time	0.000000	3.2
Pointing Roll	245.001598	245.1576826955854			
Window start time	200361664.184000	200361664.184000			
Window stop time	201484864.184000	201484864.184000			
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	200778988.184000	200778612.80107			
Observation start date	2004-05-12T19:55:24	2004-05-12T19:50:12			
Observation end time	200782288.184000	200782422.72624			
Observation end date	2004-05-12T20:50:24	2004-05-12T20:53:42			
Read mode	TIMED	TIMED			

## 2.3 Aspect



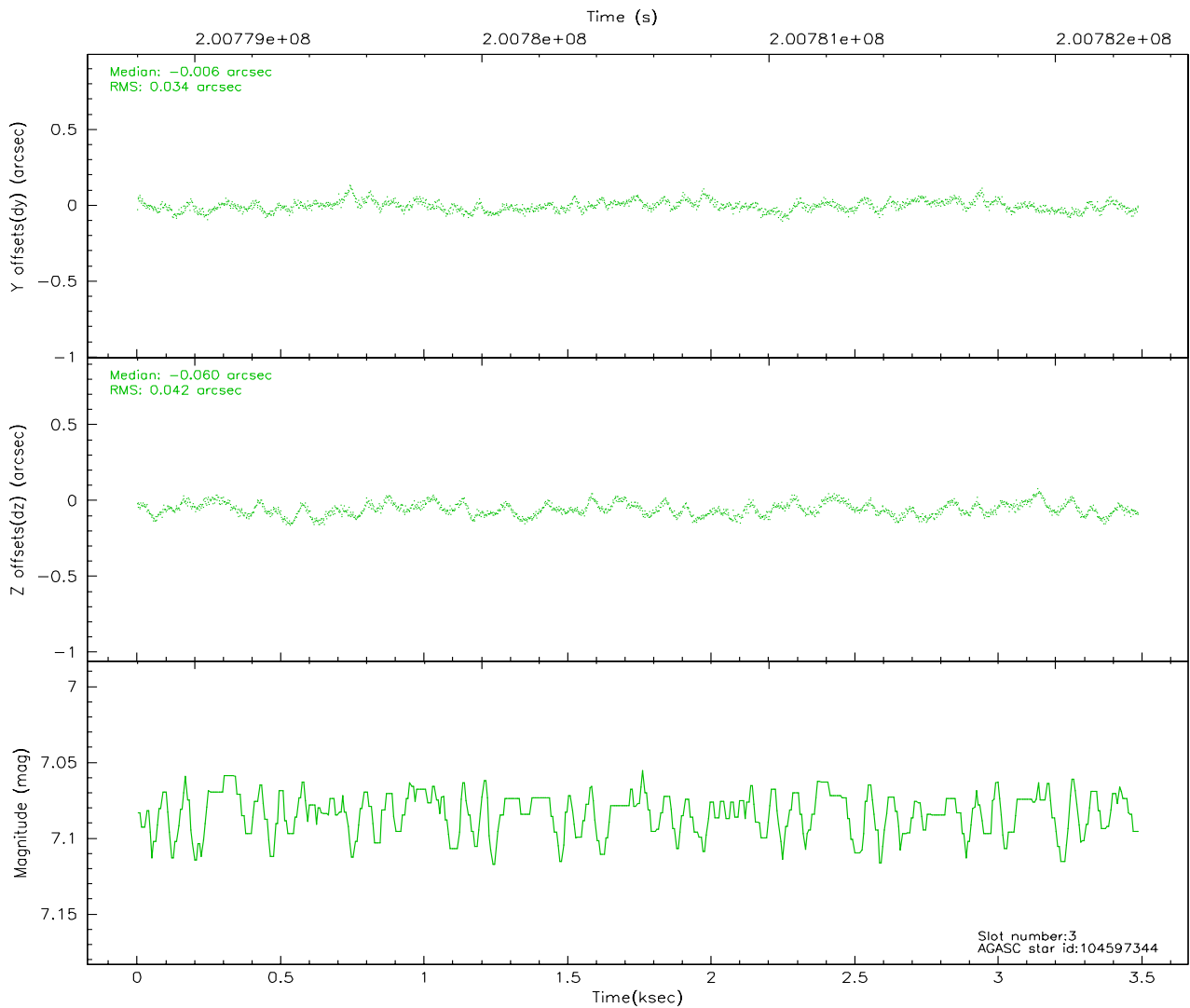
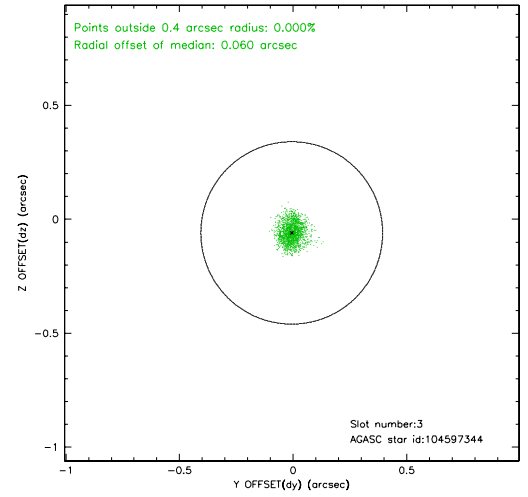
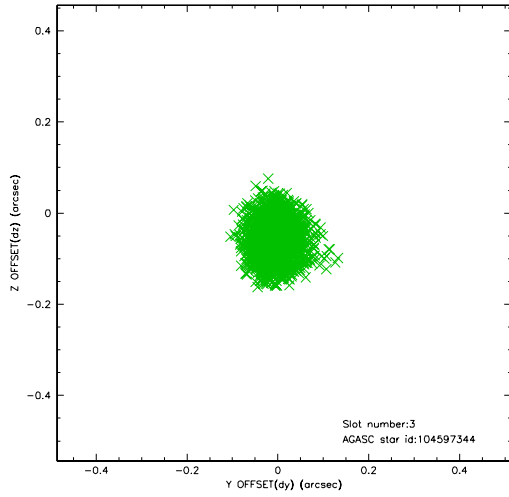


### Slot Statistics

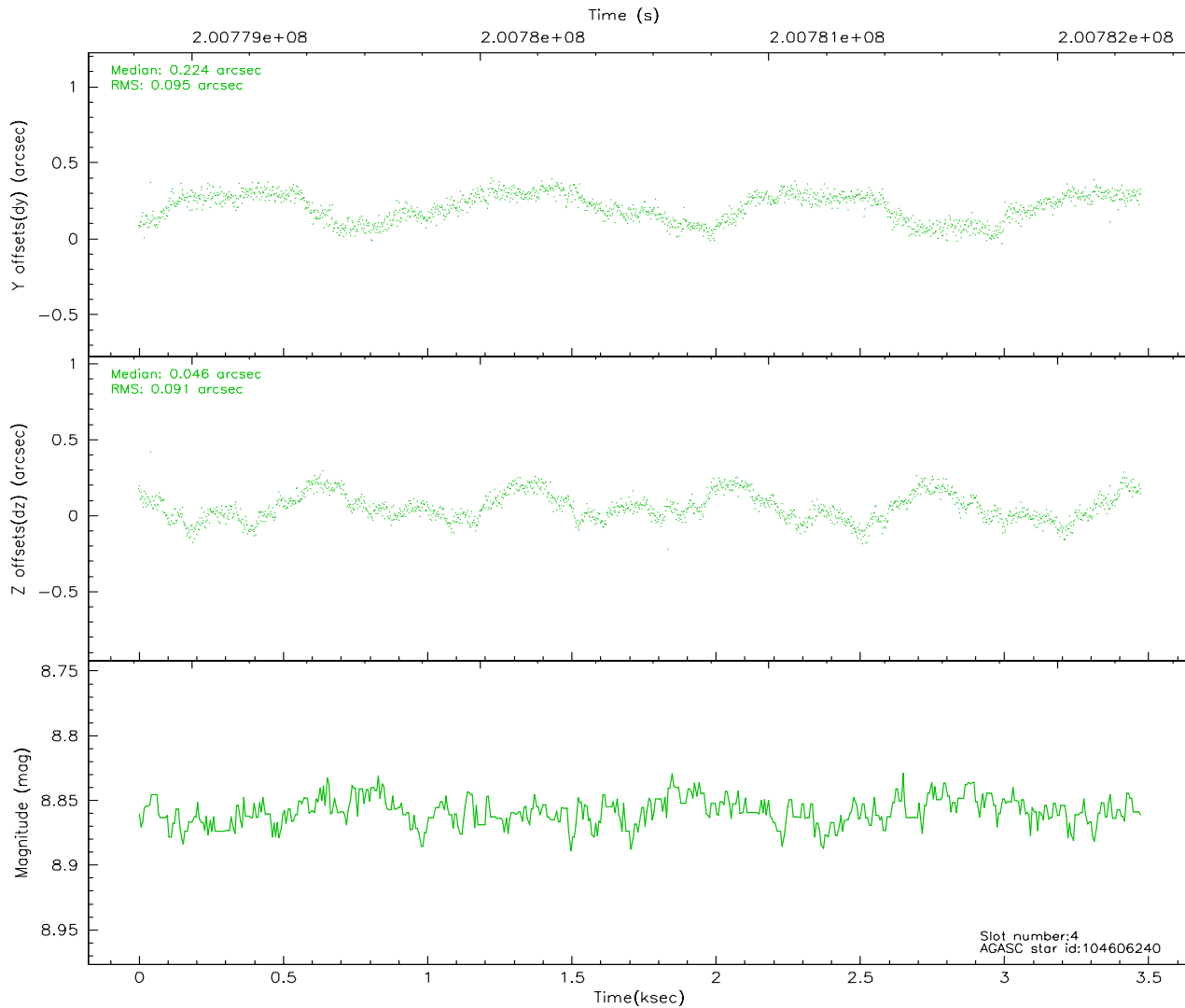
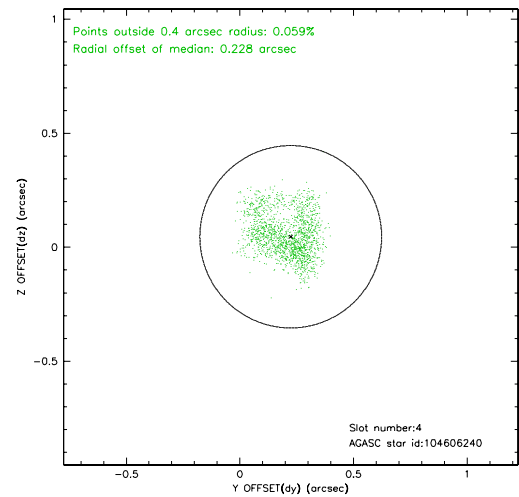
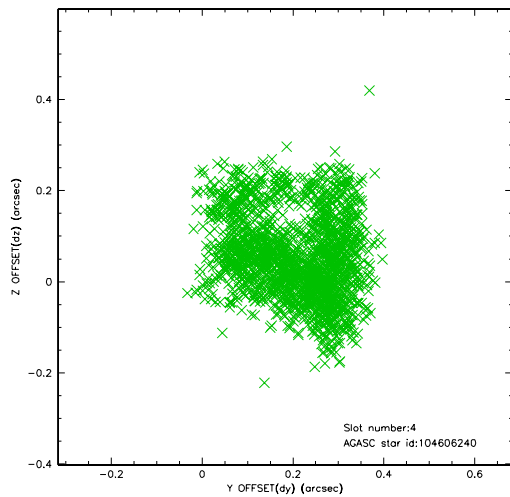
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	851	-0.040	0.008	0.007	0.012	0.000000	0.000000	-759.65	-1731.21
1	FID	ACIS-S-4	7.20	851	0.036	0.017	0.005	0.009	0.000000	0.000000	2152.85	175.46
2	FID	ACIS-S-5	7.23	851	-0.027	-0.016	0.007	0.012	0.000000	0.000000	-1810.19	171.09
3	GUIDE	104597344	7.08	1702	-0.006	-0.060	0.059	0.091	124.136828	11.043606	-332.32	-1267.55
4	GUIDE	104606240	8.86	1694	0.224	0.046	0.144	0.219	124.221640	10.540343	1183.87	-231.83
5	GUIDE	104729968	9.26	1699	0.119	0.090	0.084	0.133	124.567030	10.276646	1528.21	1278.36
6	GUIDE	104730232	8.45	1702	-0.162	-0.096	0.076	0.117	124.558345	11.086584	-1100.87	17.74
7	GUIDE	105125392	7.59	1700	-0.163	0.004	0.074	0.111	124.280650	11.351214	-1551.43	-1274.33

## 2.4 Star Slots

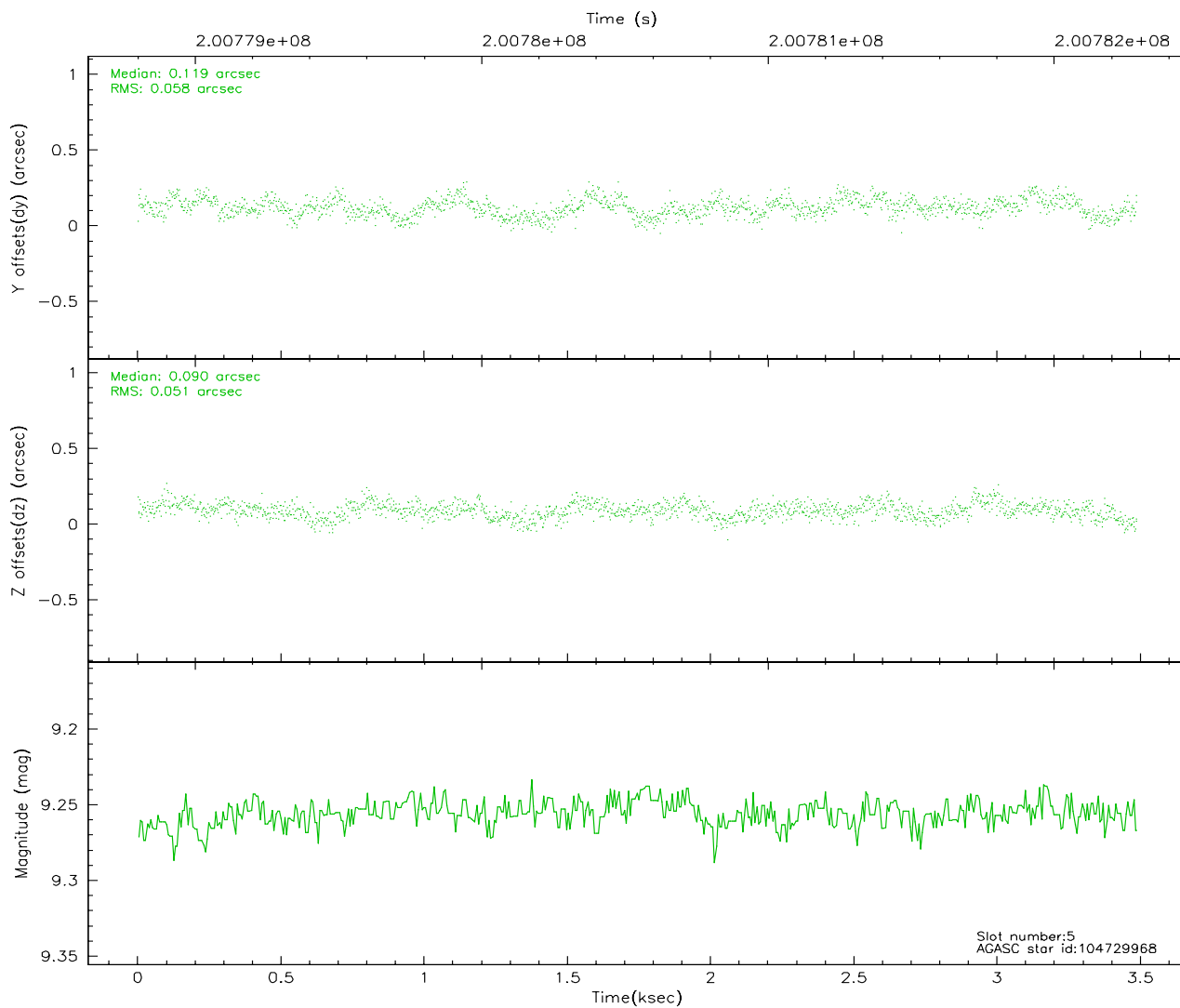
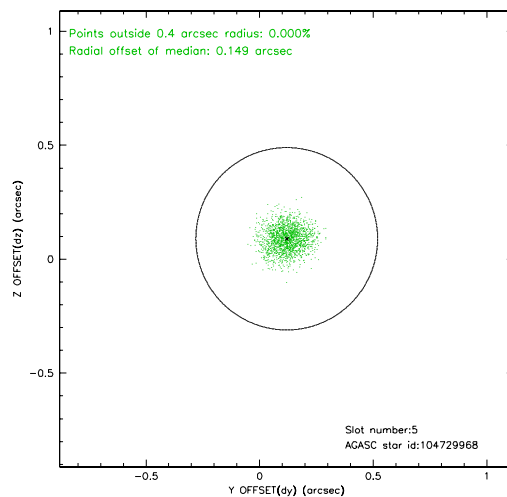
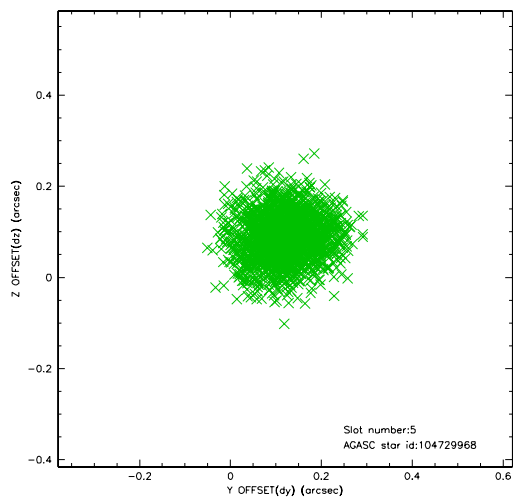
### 2.4.1 Slot 3



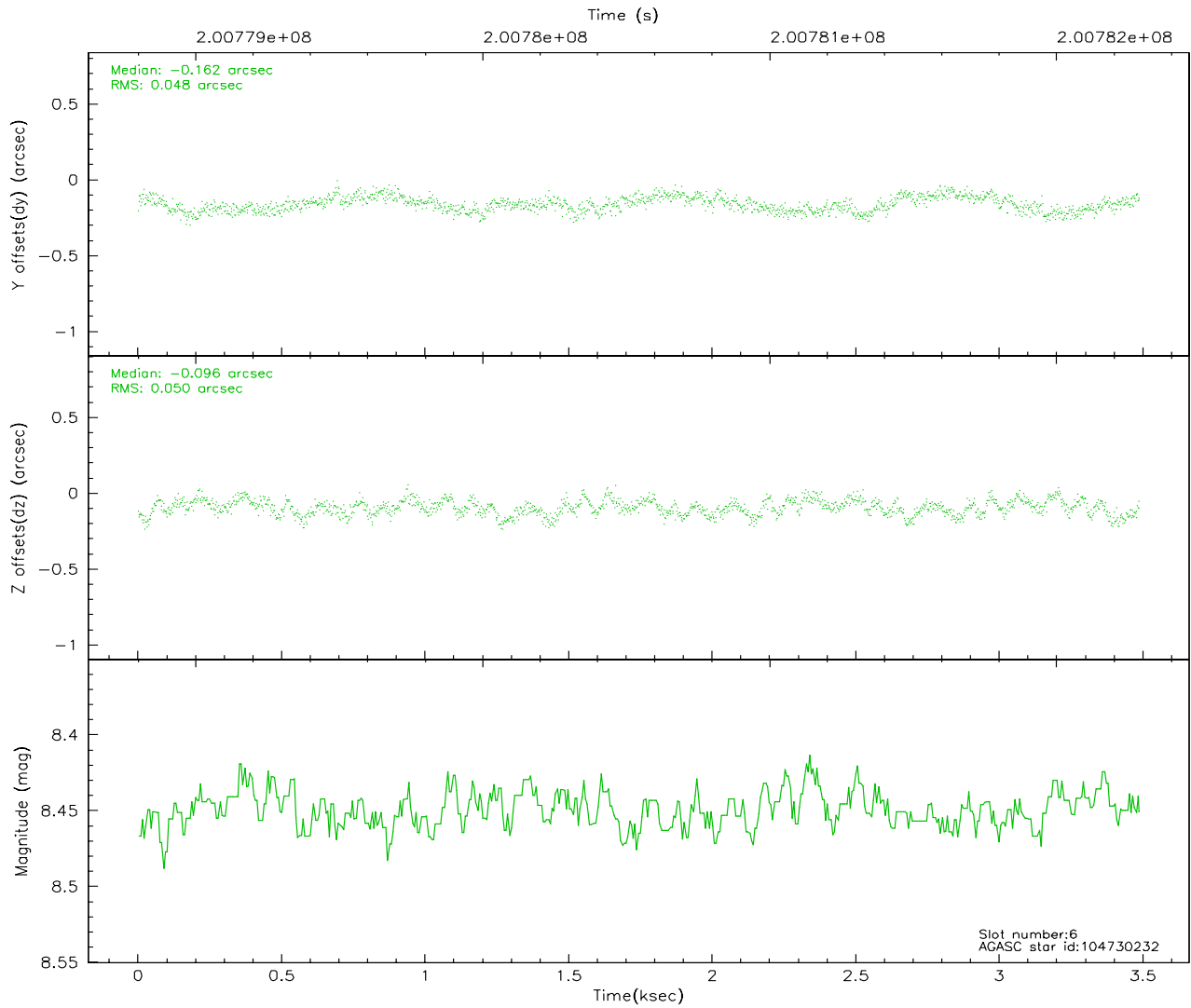
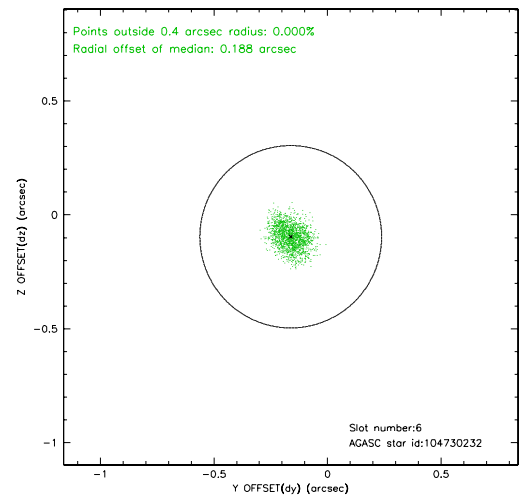
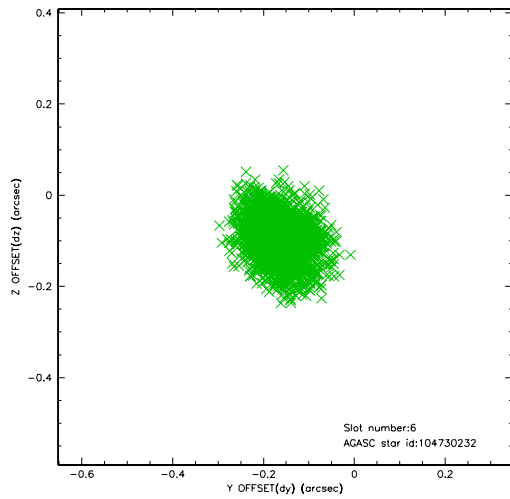
## 2.4.2 Slot 4



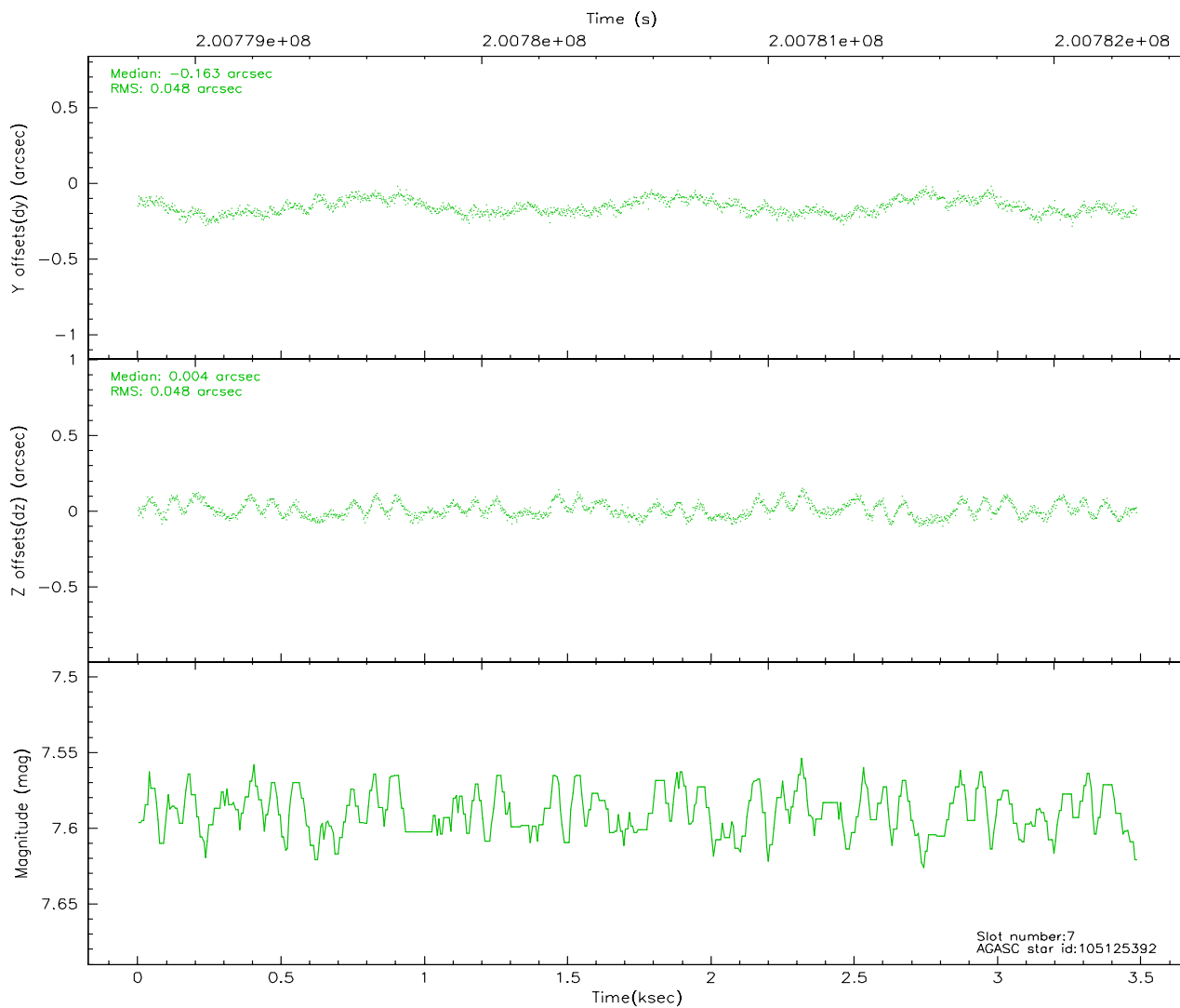
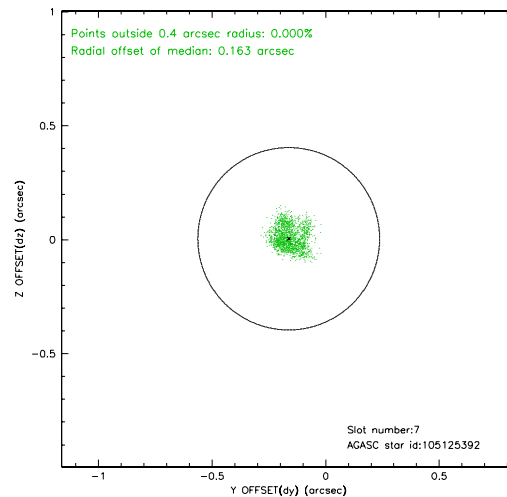
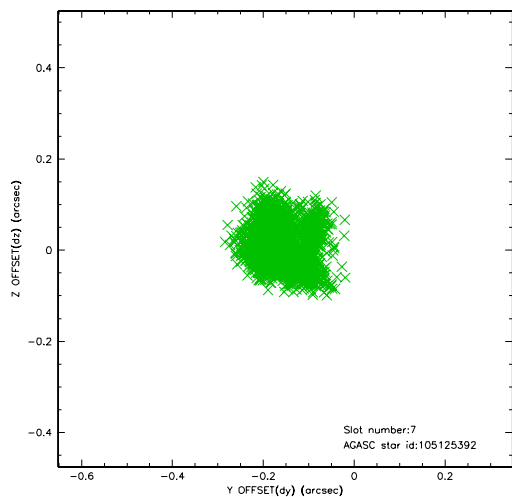
### 2.4.3 Slot 5



### 2.4.4 Slot 6

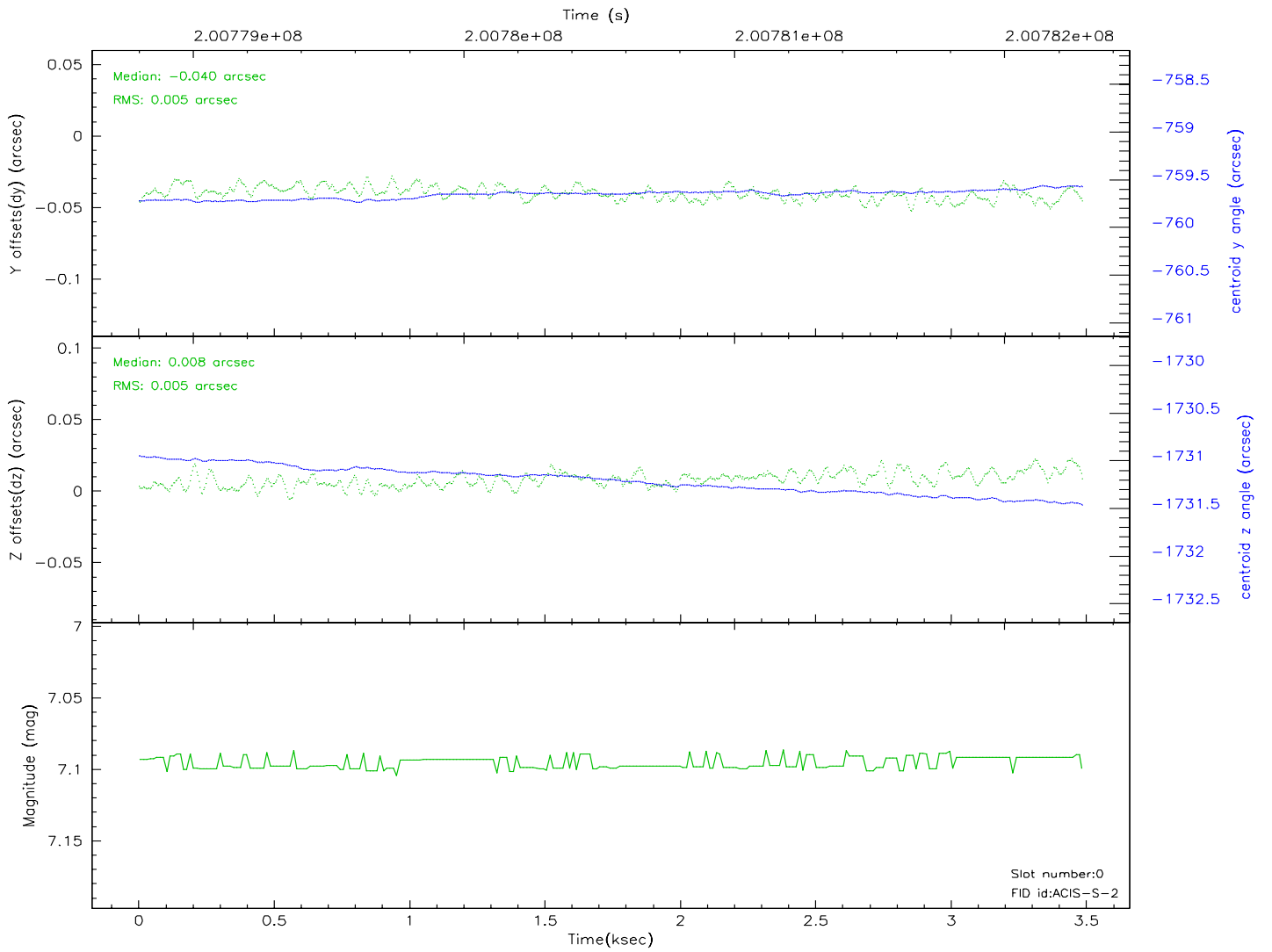
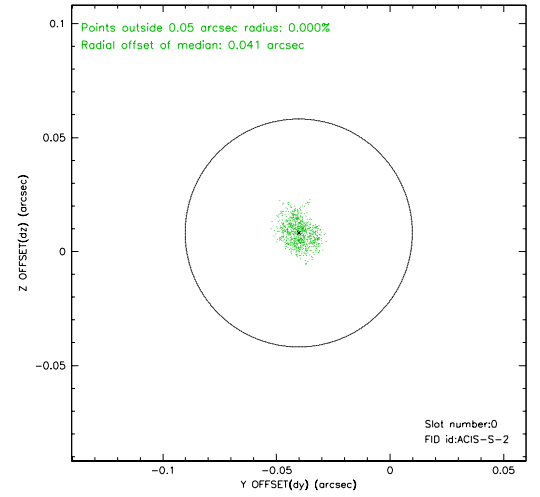
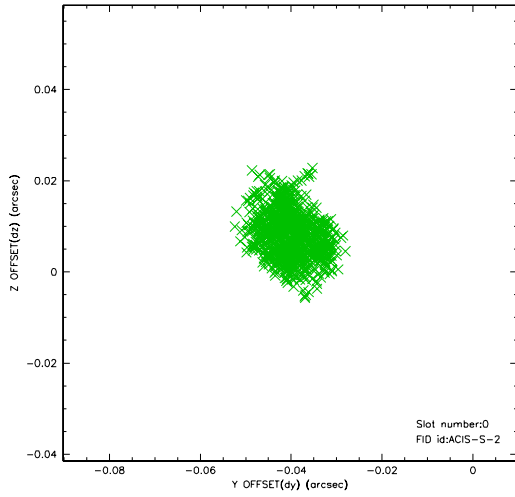


## 2.4.5 Slot 7

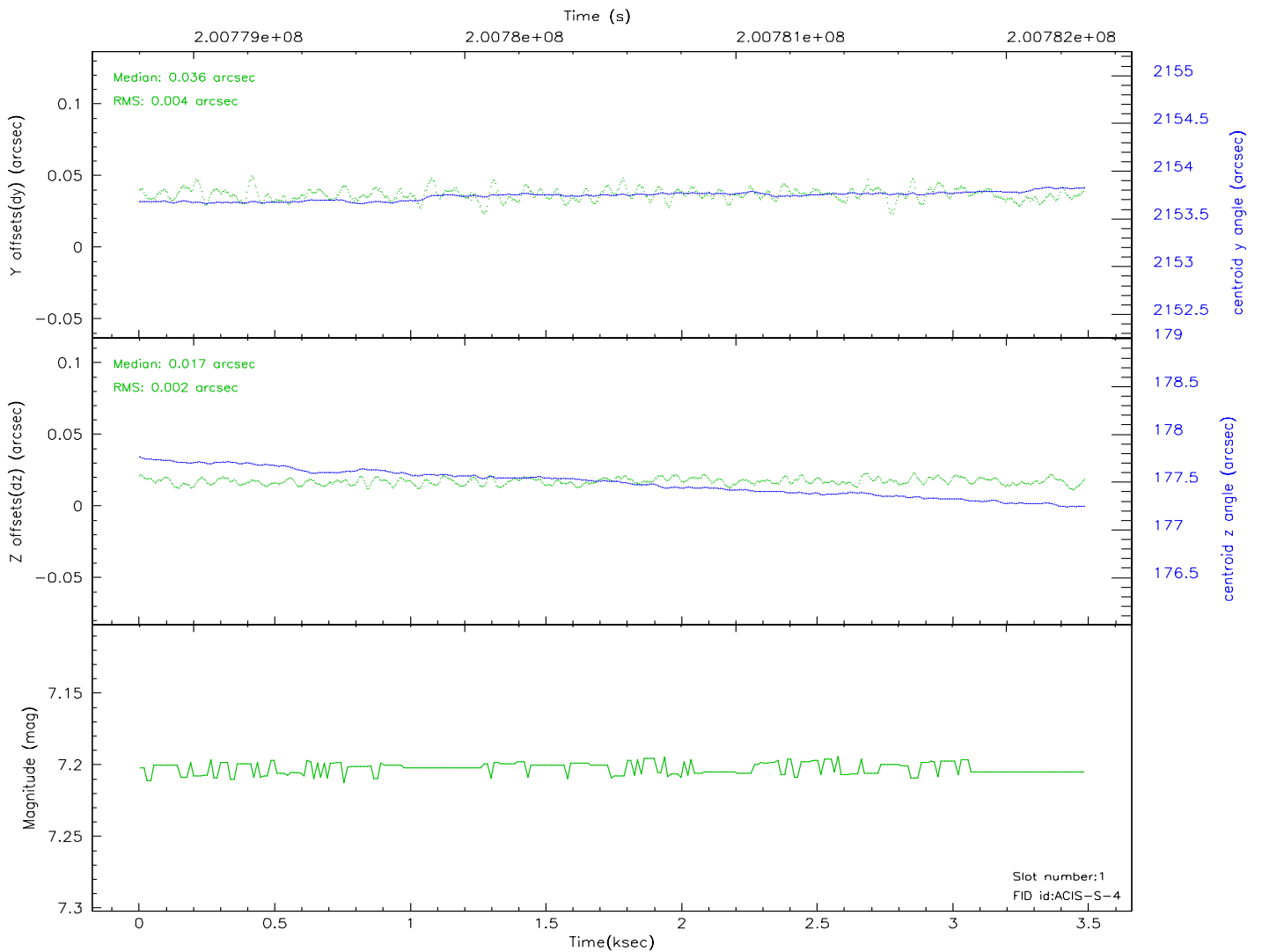
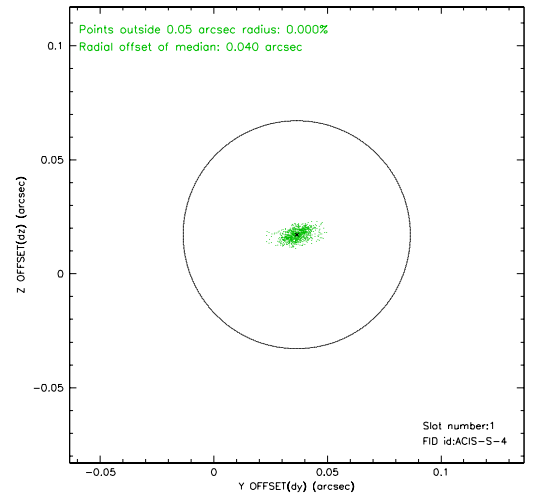
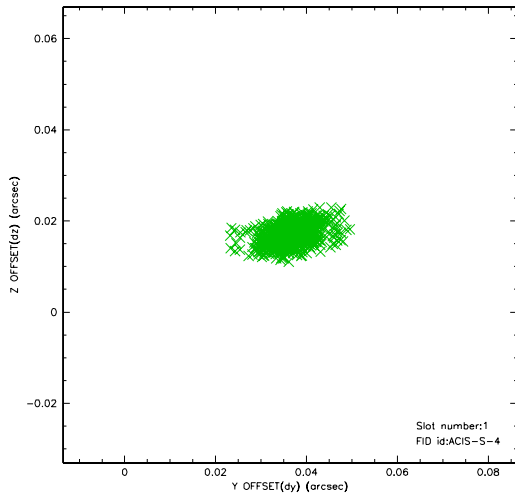


## 2.5 FID Slots

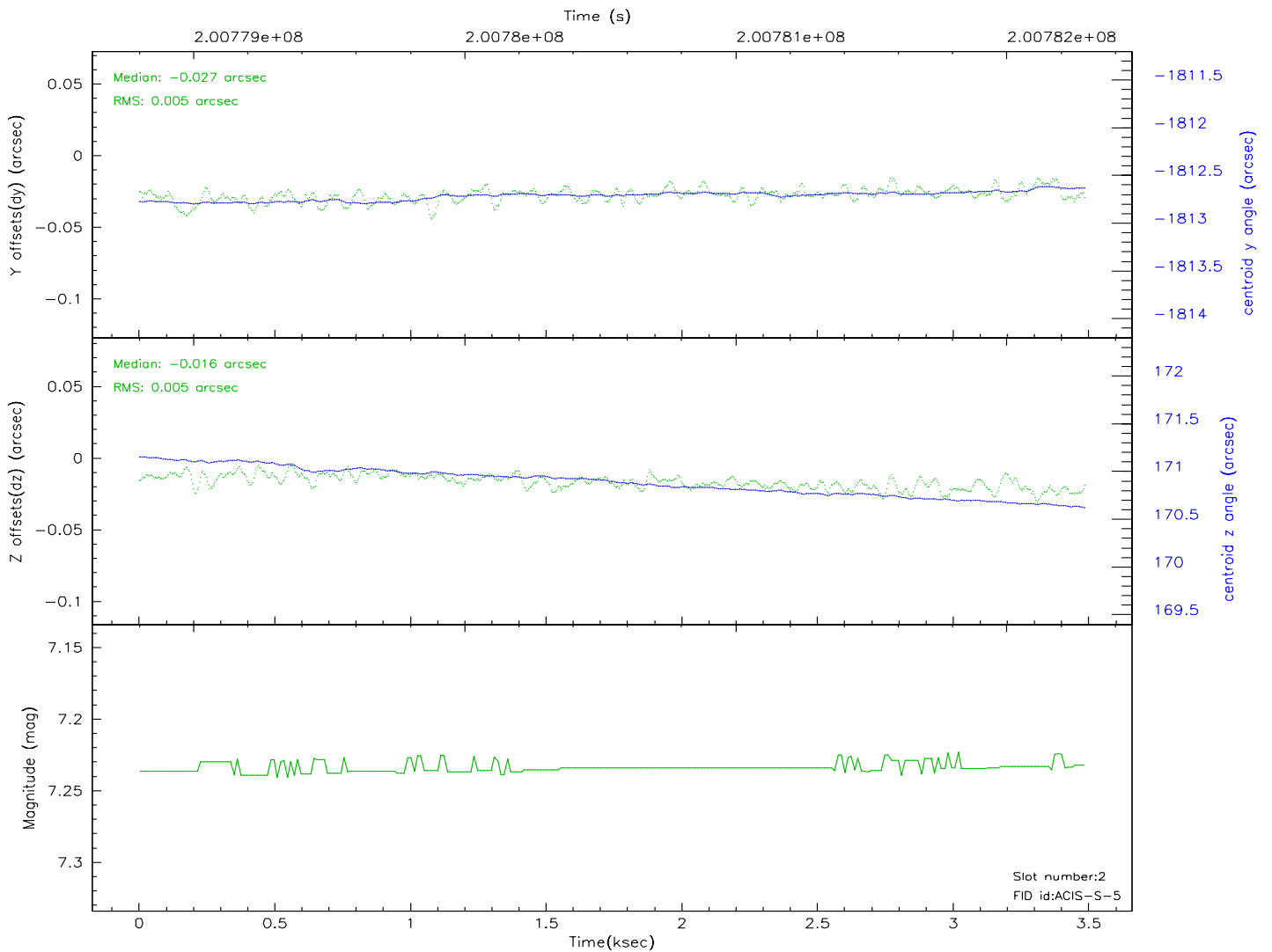
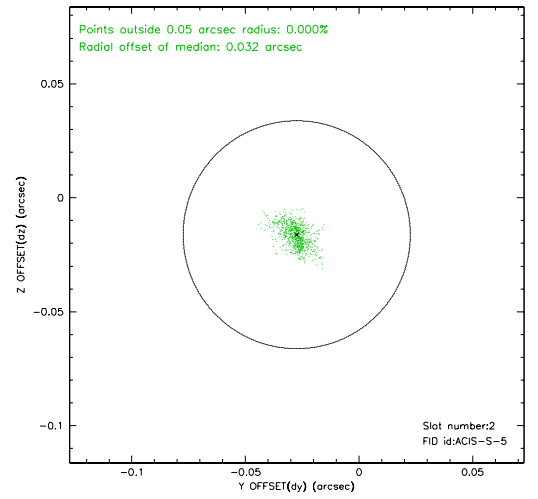
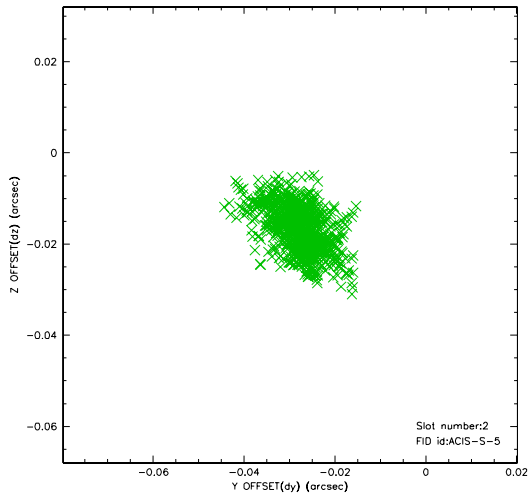
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

2.82 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.484

## A.2 Comments

Window constraint met. Roll preference met.