

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2020 - L2 Version 001  
Chandra X-Ray Center

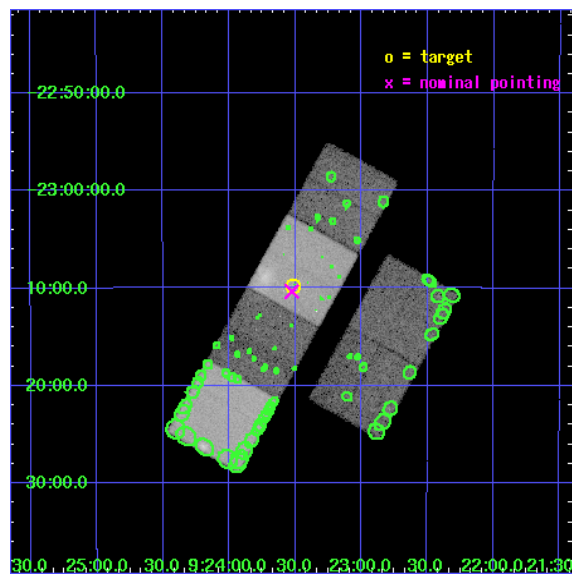
L2 Processing Date : Nov 15 2006

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# 1 Front

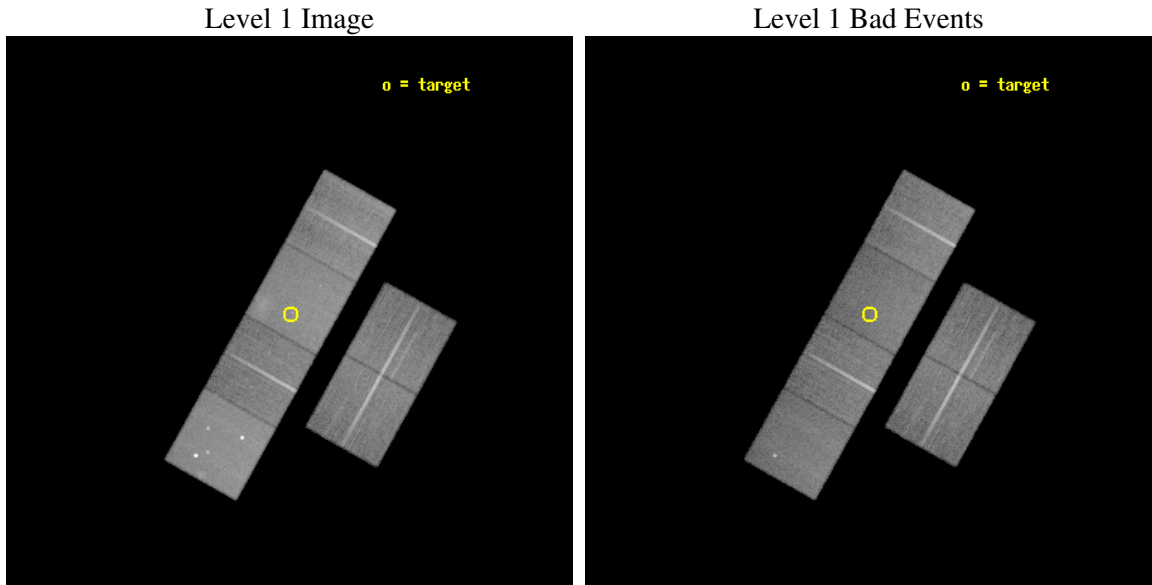
seq_num	600154
obs_id	2020
title	THE HALOS OF POST-MERGER ELLIPTICALS
observer	Dr. David Davis
object	NGC 2865
dtcycle	0
cycle	P
ra_targ	140.877917
dec_targ	-23.163389
ra_nom	140.88137972183
dec_nom	-23.17265868485
roll_nom	299.18090097198
revision	2
ontime	29878.400027826
livetime	29500.061736062
ontime2	29875.159057572
ontime3	29878.400027826
ontime5	29875.159057587
ontime6	29878.400027826
ontime7	29878.400027826
ontime8	29871.918087348
l2events	307165



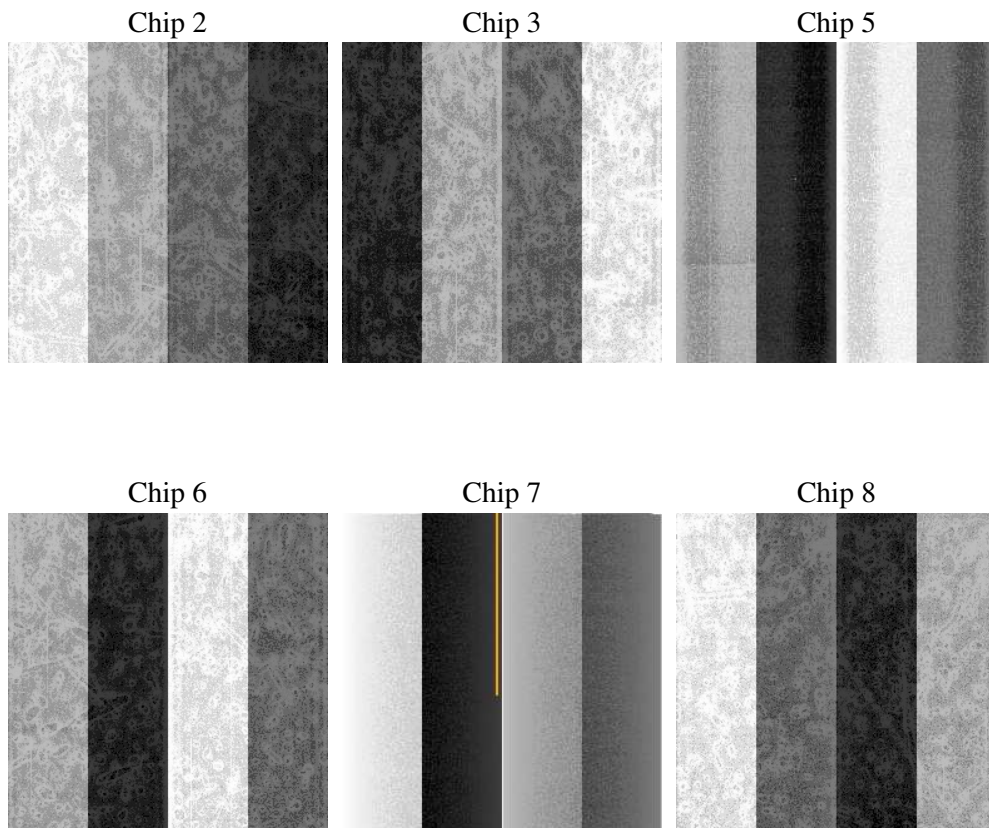
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-15T17:41:29
revision	2

sched_exp_time	30000.000000
ontime	29882.042015955
ontime2	29878.801045701
ontime3	29882.042015955
ontime5	29878.801045716
ontime6	29882.042015955
ontime7	29882.042015955
ontime8	29875.560075477
l1events	1413954

### 2.1.4 Events

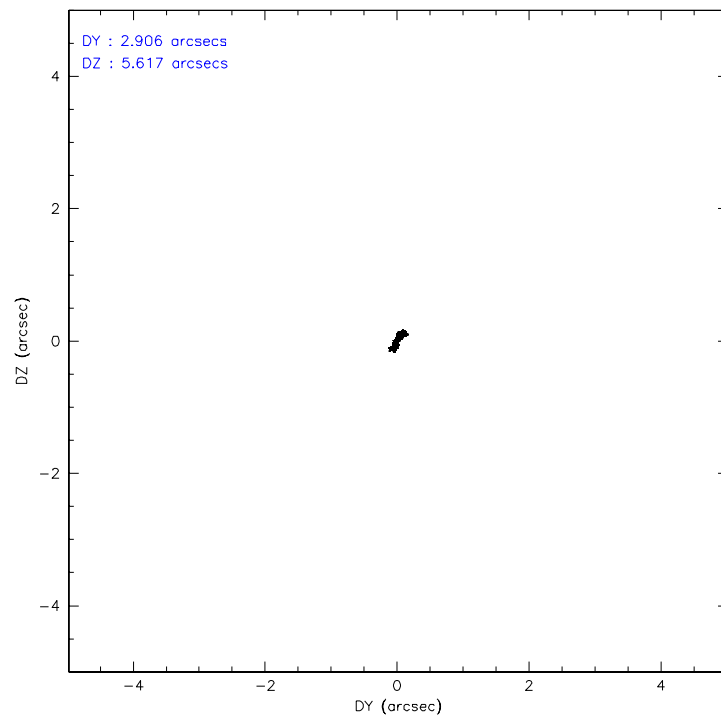
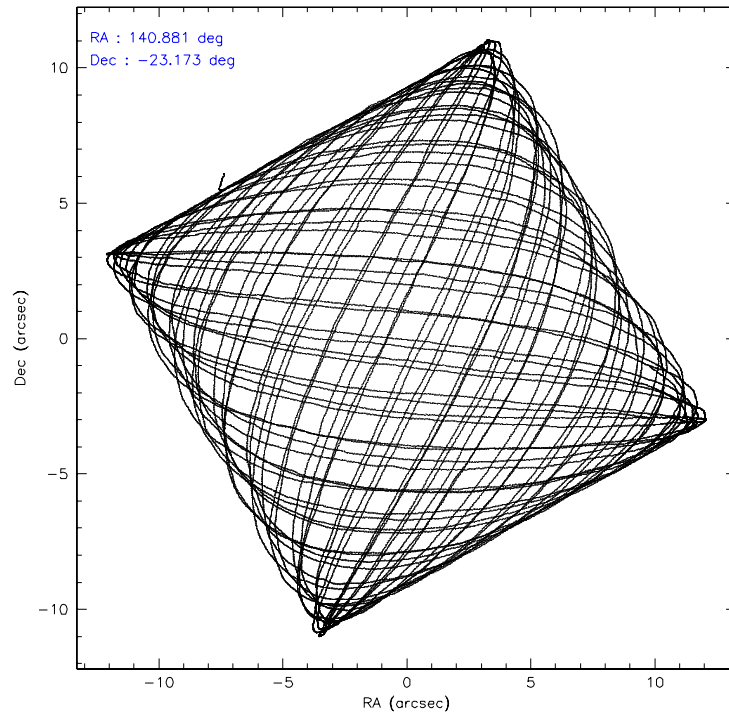
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	202606	198916	291350	203645	263894	253543
rejected events	179742	176443	157507	179240	155671	201695
rejected %	88%	88%	54%	88%	58%	79%

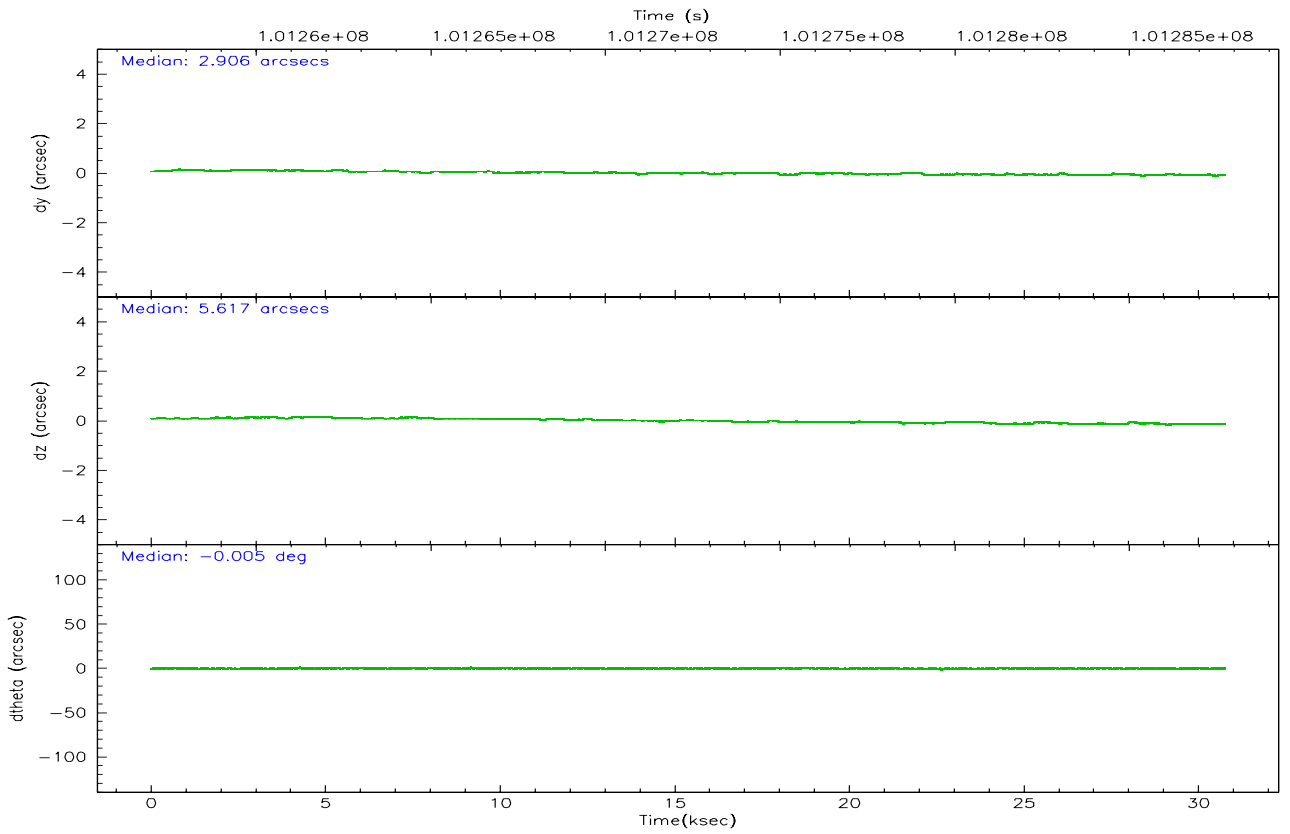
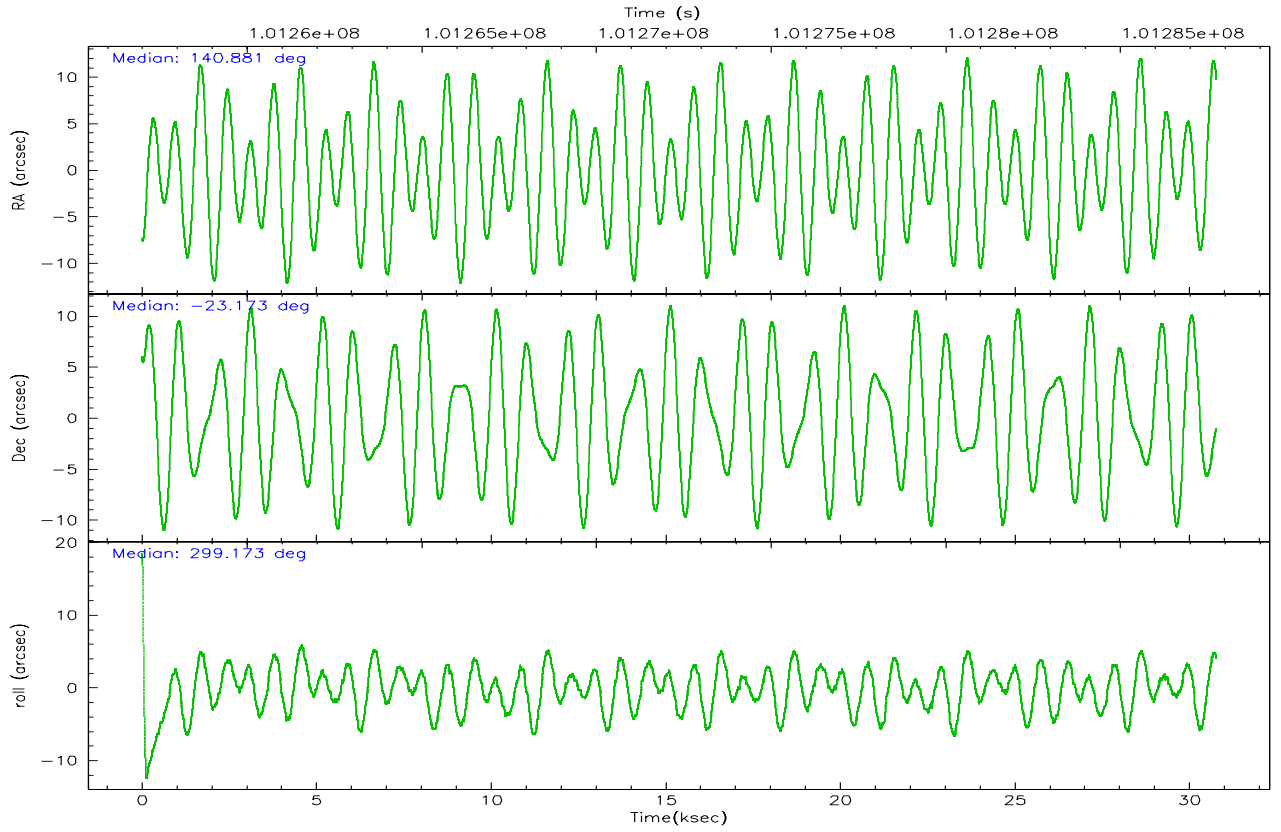
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9477	9669	13801	10248	8120	17041
	4%	4%	4%	5%	3%	6%
grade 1 events	84	81	234	100	134	174
	0%	0%	0%	0%	0%	0%
grade 2 events	5015	4622	43090	4950	26595	10817
	2%	2%	14%	2%	10%	4%
grade 3 events	2135	2148	3034	2259	6338	5838
	1%	1%	1%	1%	2%	2%
grade 4 events	2115	2152	2881	2326	6094	5412
	1%	1%	0%	1%	2%	2%
grade 5 events	6838	7676	13808	8309	16951	10400
	3%	3%	4%	4%	6%	4%
grade 6 events	4123	3885	71047	4625	61087	12767
	2%	1%	24%	2%	23%	5%
grade 7 events	172819	168683	143455	170828	138575	191094
	85%	84%	49%	83%	52%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	140.855722	140.8813797218259	Subarray requested	NONE	NONE
Pointing Dec	-23.158900	-23.17265868484981	Alternating exposures requested	N	N
Pointing Roll	299.014170	299.1809009719762	Primary exposure time	0.000000	3.2
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	101257747.184000	101256497.6165			
Observation start date	2001-03-17T23:08:03	2001-03-17T22:48:17			
Observation end time	101287747.184000	101288612.91774			
Observation end date	2001-03-18T07:28:03	2001-03-18T07:43:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect



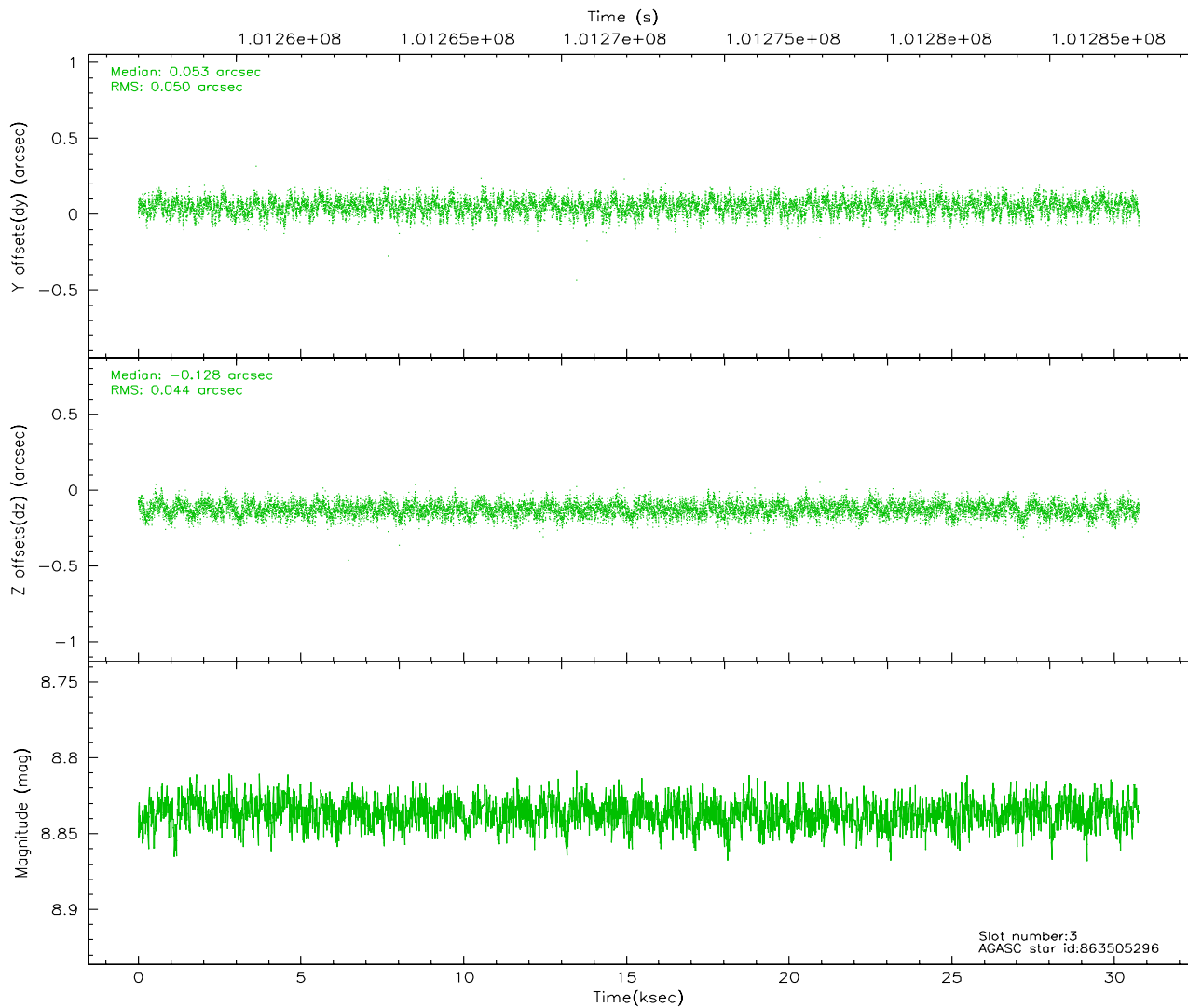
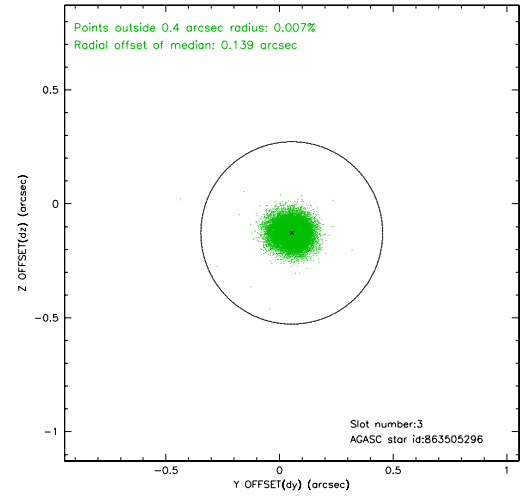
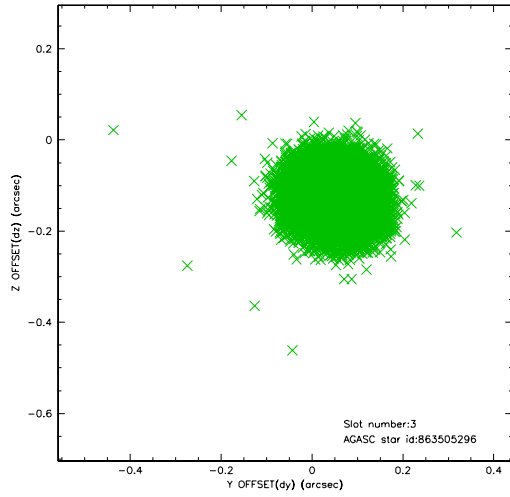


### Slot Statistics

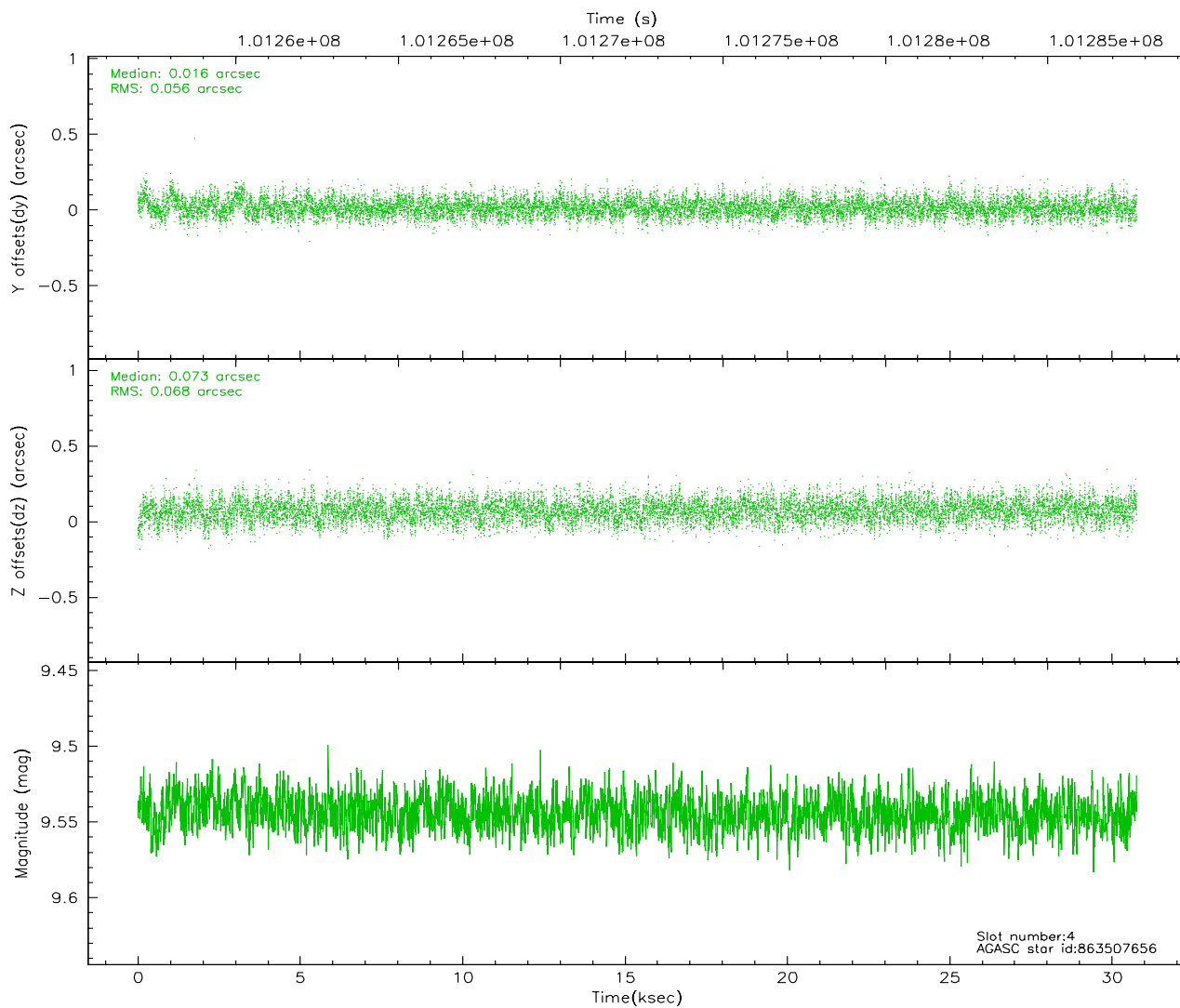
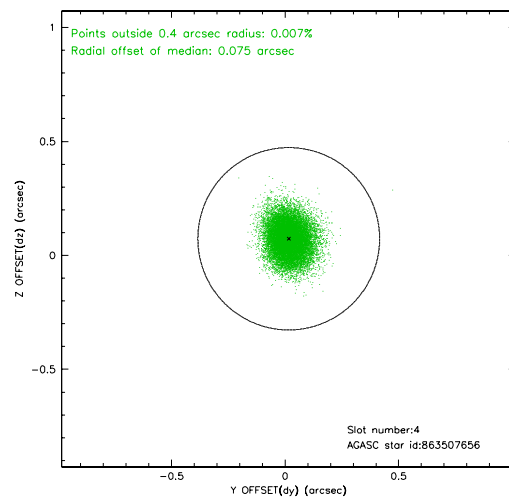
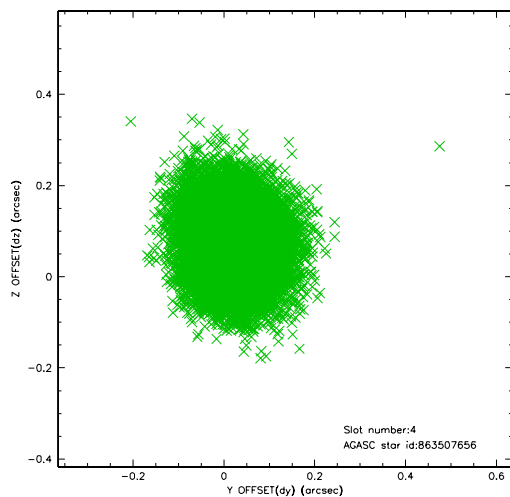
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7503	0.021	0.019	0.006	0.010	0.000000	0.000000	-755.50	-1726.75
1	FID	ACIS-S-4	7.20	7502	-0.060	-0.008	0.006	0.010	0.000000	0.000000	2157.63	181.70
2	FID	ACIS-S-6	7.36	7504	0.011	-0.003	0.007	0.011	0.000000	0.000000	406.51	819.14
3	GUIDE	863505296	8.84	14997	0.053	-0.128	0.072	0.112	140.759535	-22.877631	-1039.59	212.68
4	GUIDE	863507656	9.54	14996	0.016	0.073	0.094	0.152	140.393360	-23.499278	334.06	-1929.41
5	GUIDE	863382400	8.51	14997	-0.068	0.023	0.084	0.138	139.996555	-22.962629	-1991.11	-2151.43
6	GUIDE	863506328	8.02	15003	0.047	0.085	0.055	0.087	141.108425	-22.914450	-362.25	1160.02
7	GUIDE	863506576	7.26	15003	-0.050	-0.049	0.045	0.071	141.100269	-22.895120	-436.18	1170.33

## 2.4 Star Slots

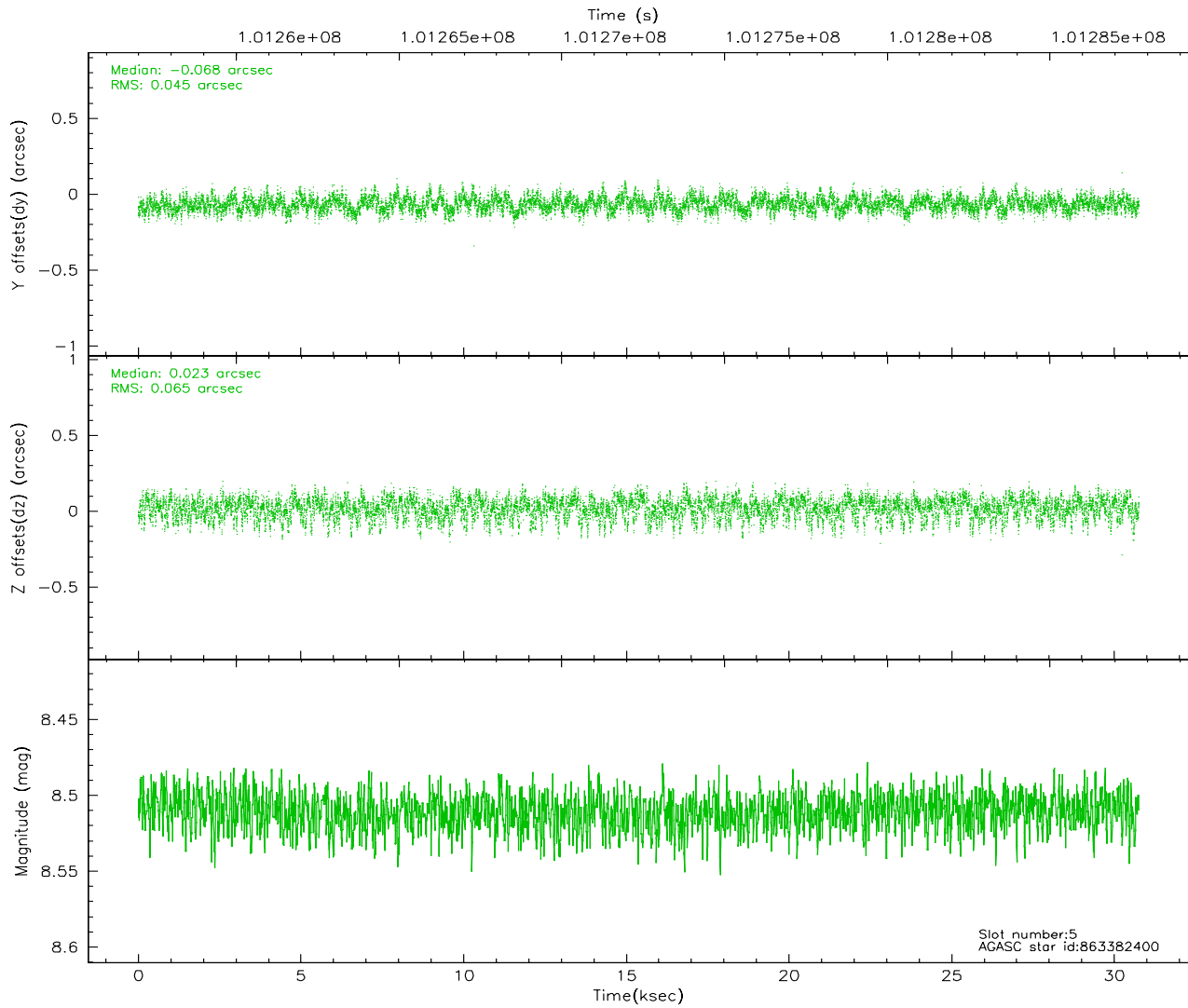
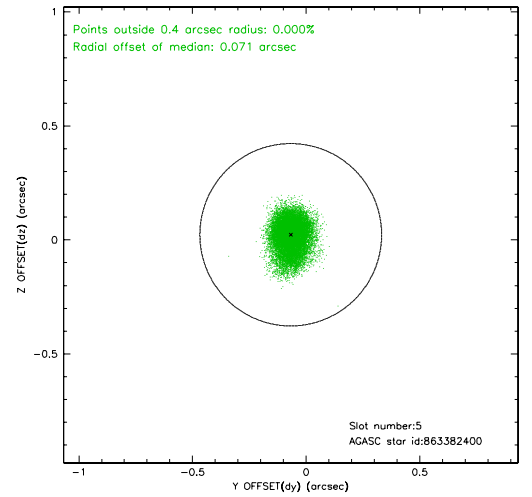
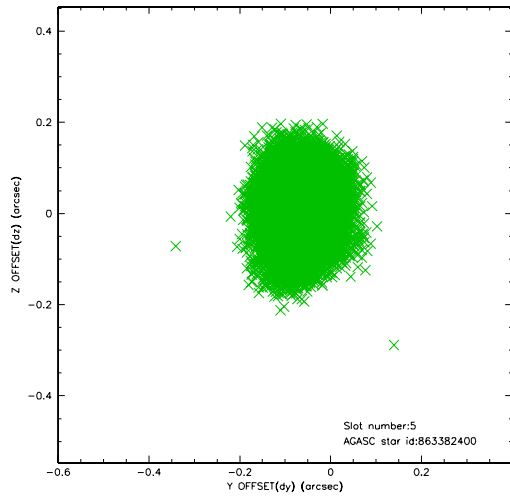
### 2.4.1 Slot 3



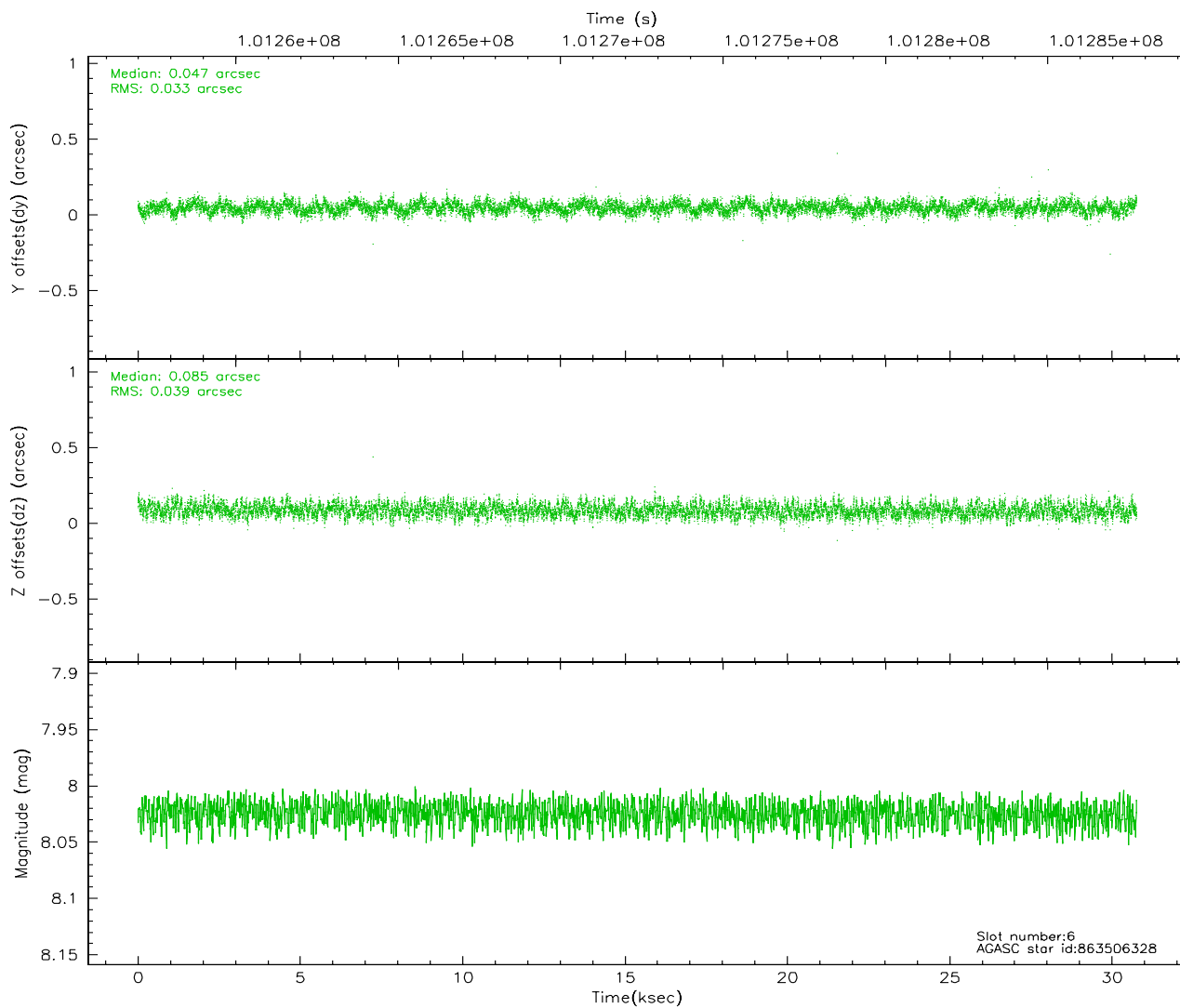
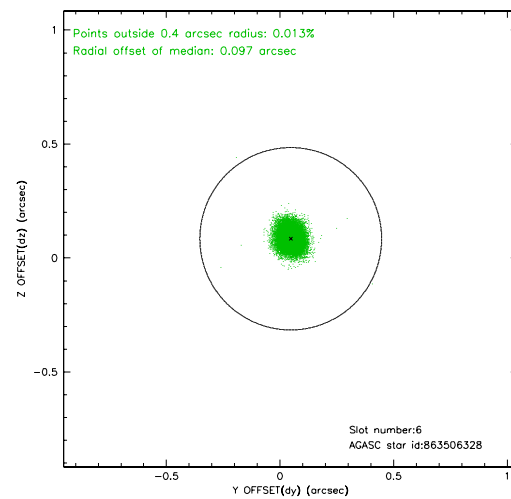
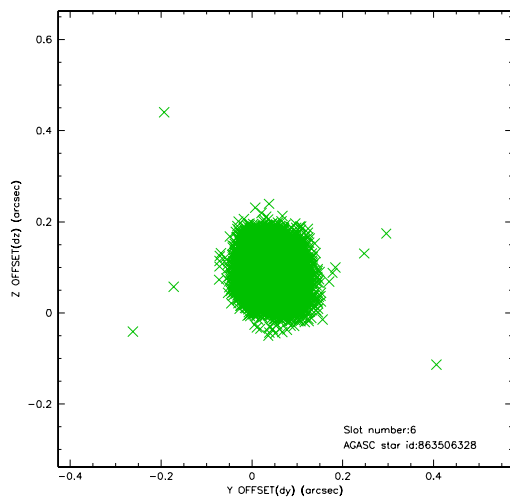
## 2.4.2 Slot 4



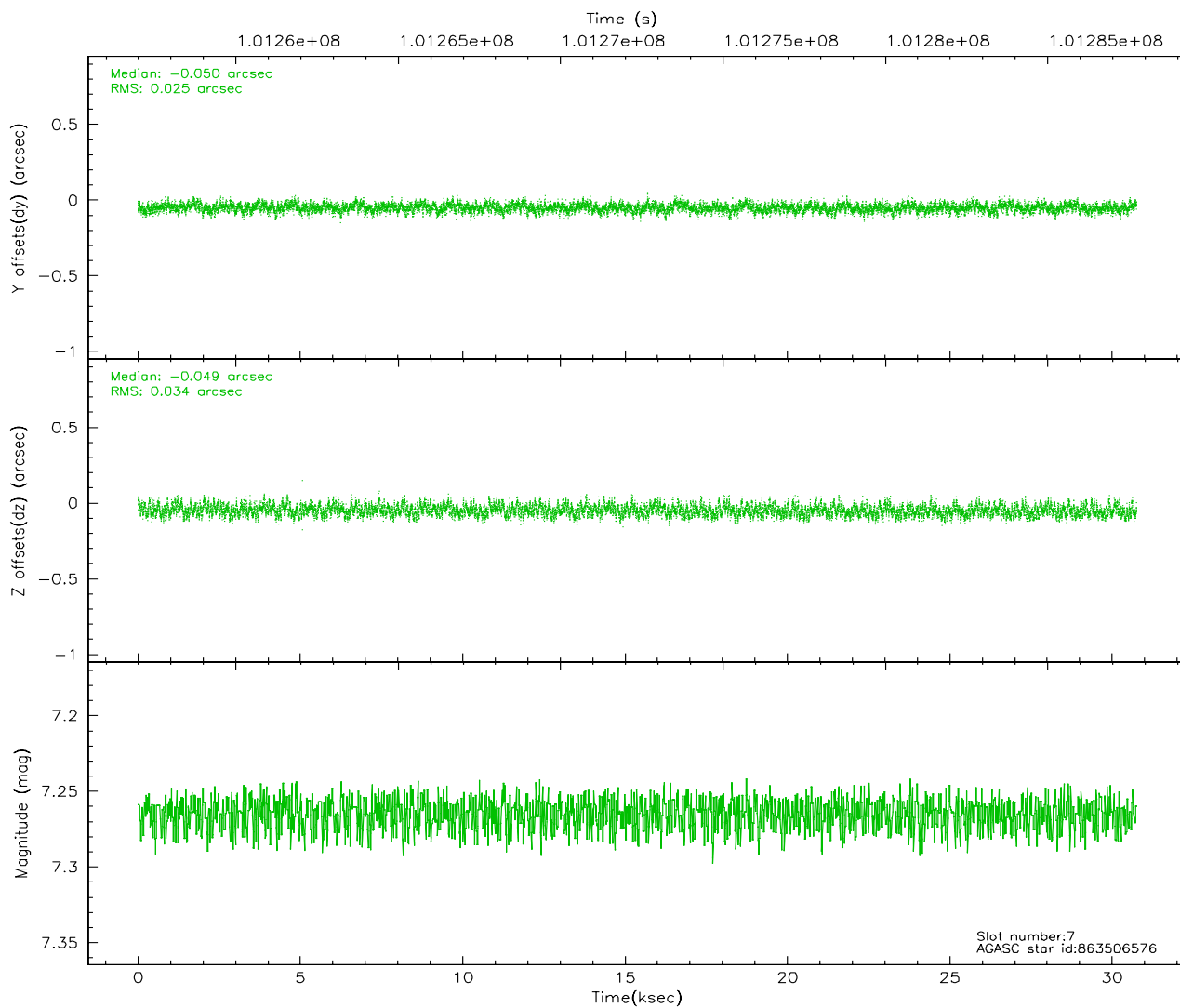
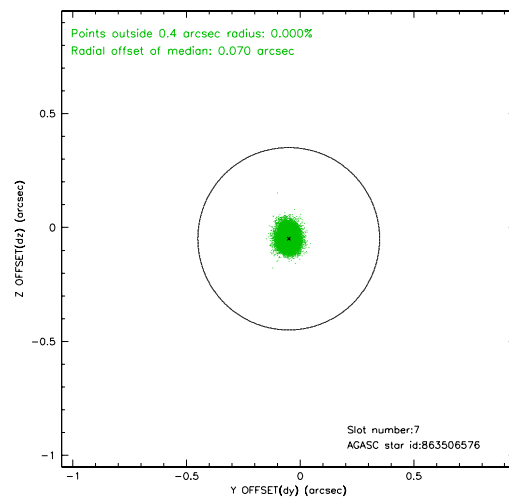
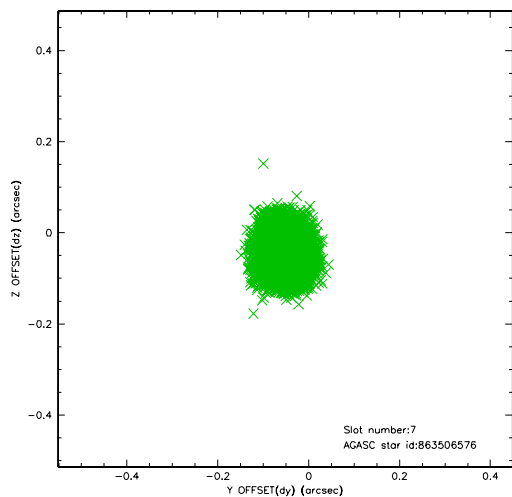
### 2.4.3 Slot 5



## 2.4.4 Slot 6

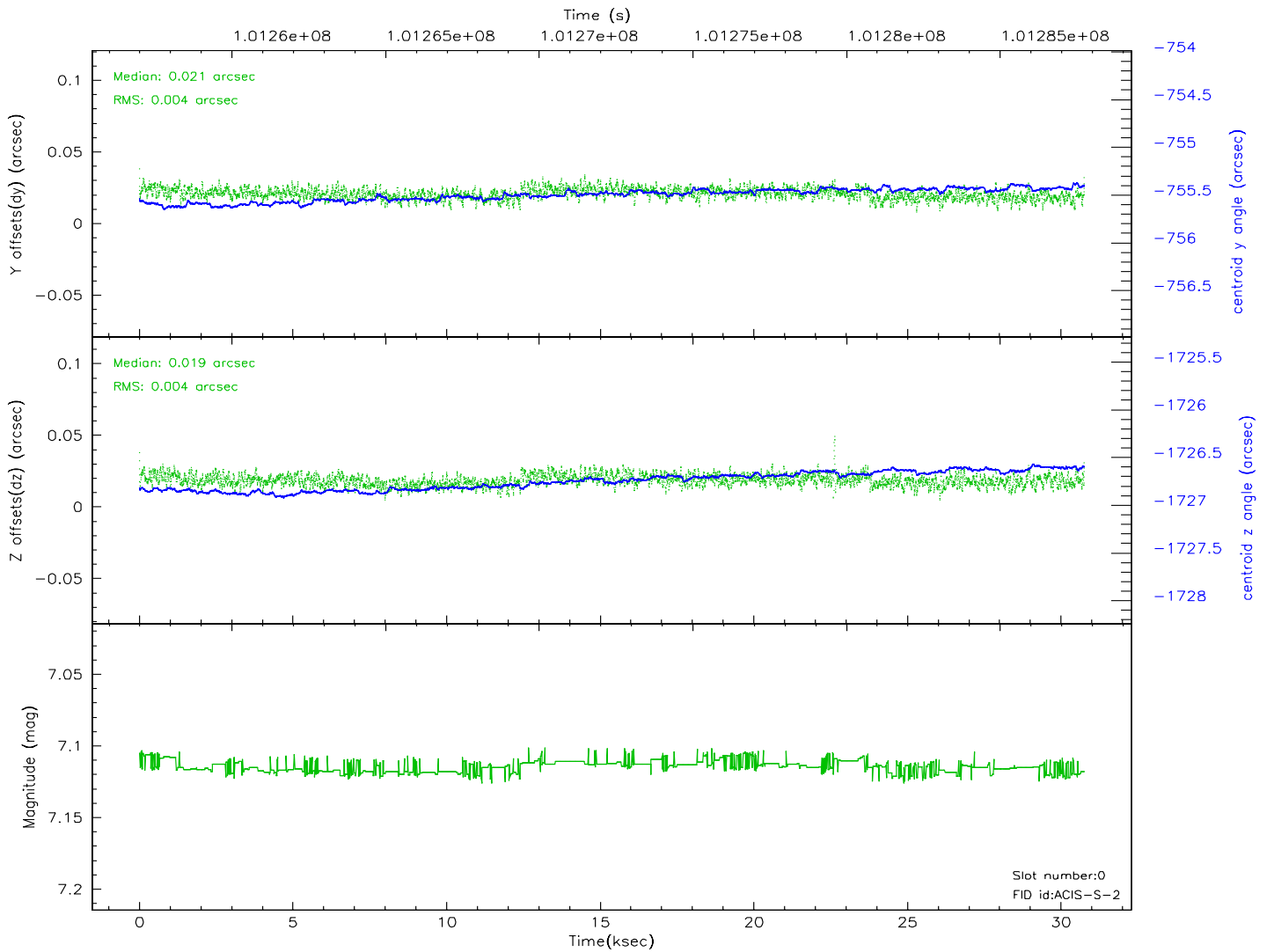
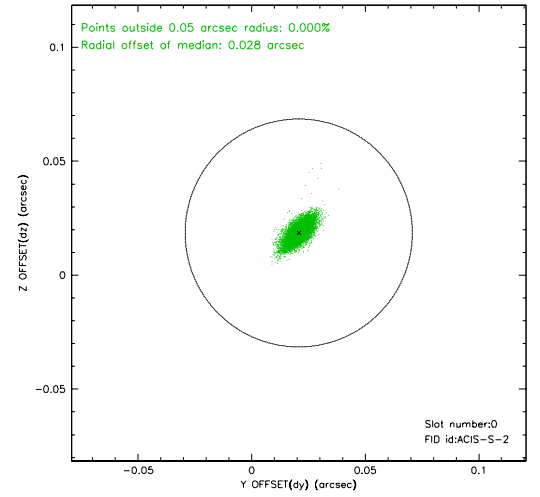
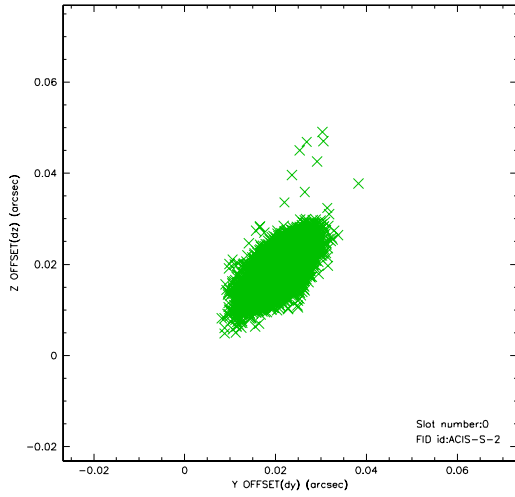


## 2.4.5 Slot 7

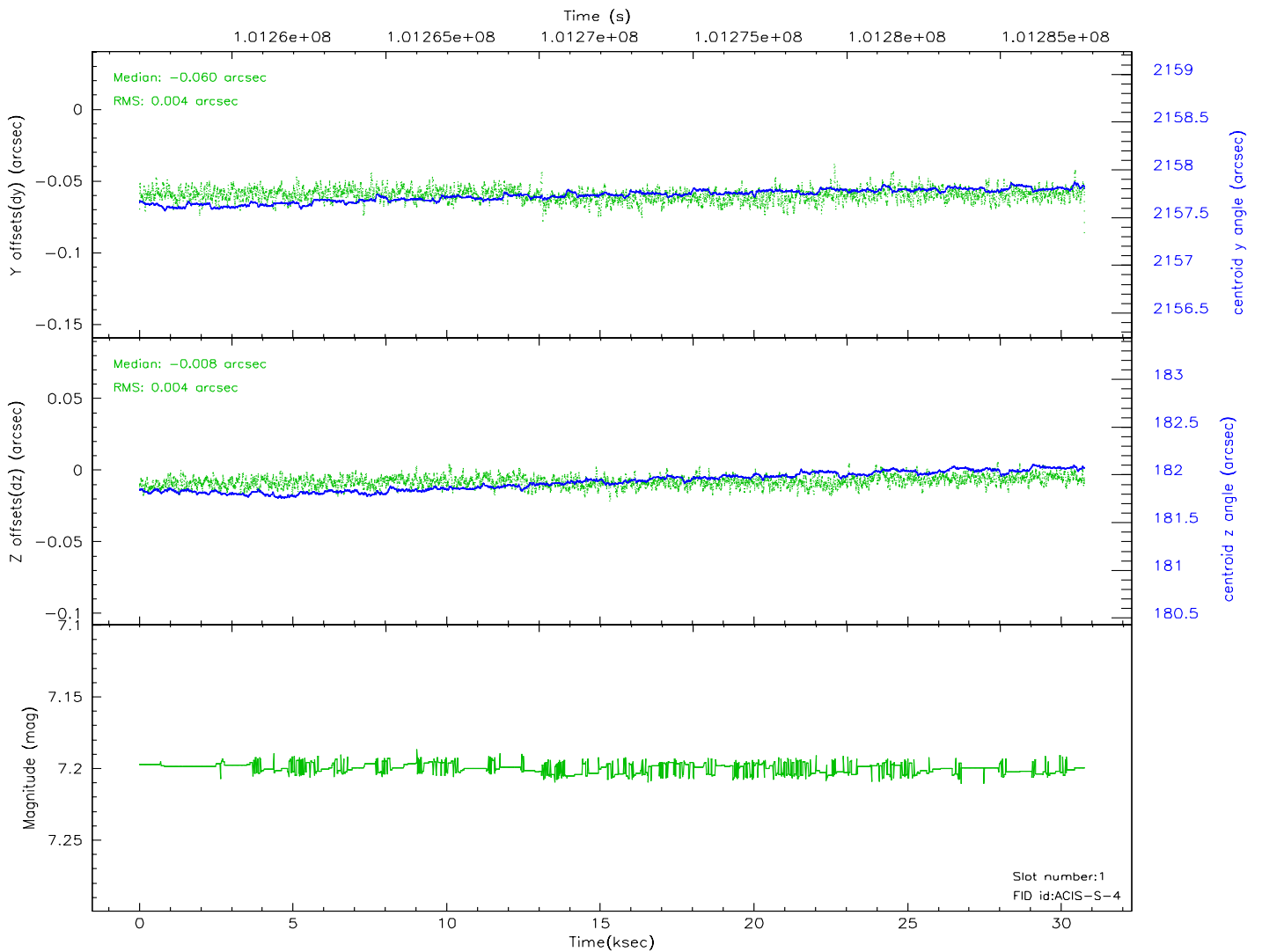
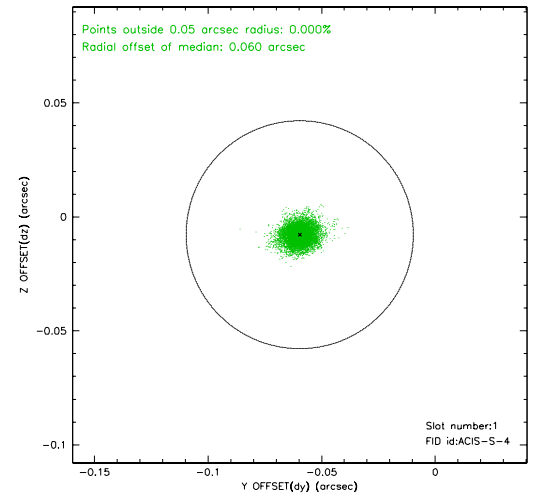
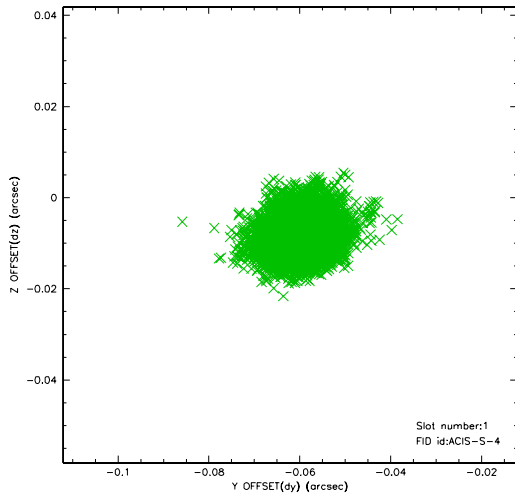


## 2.5 FID Slots

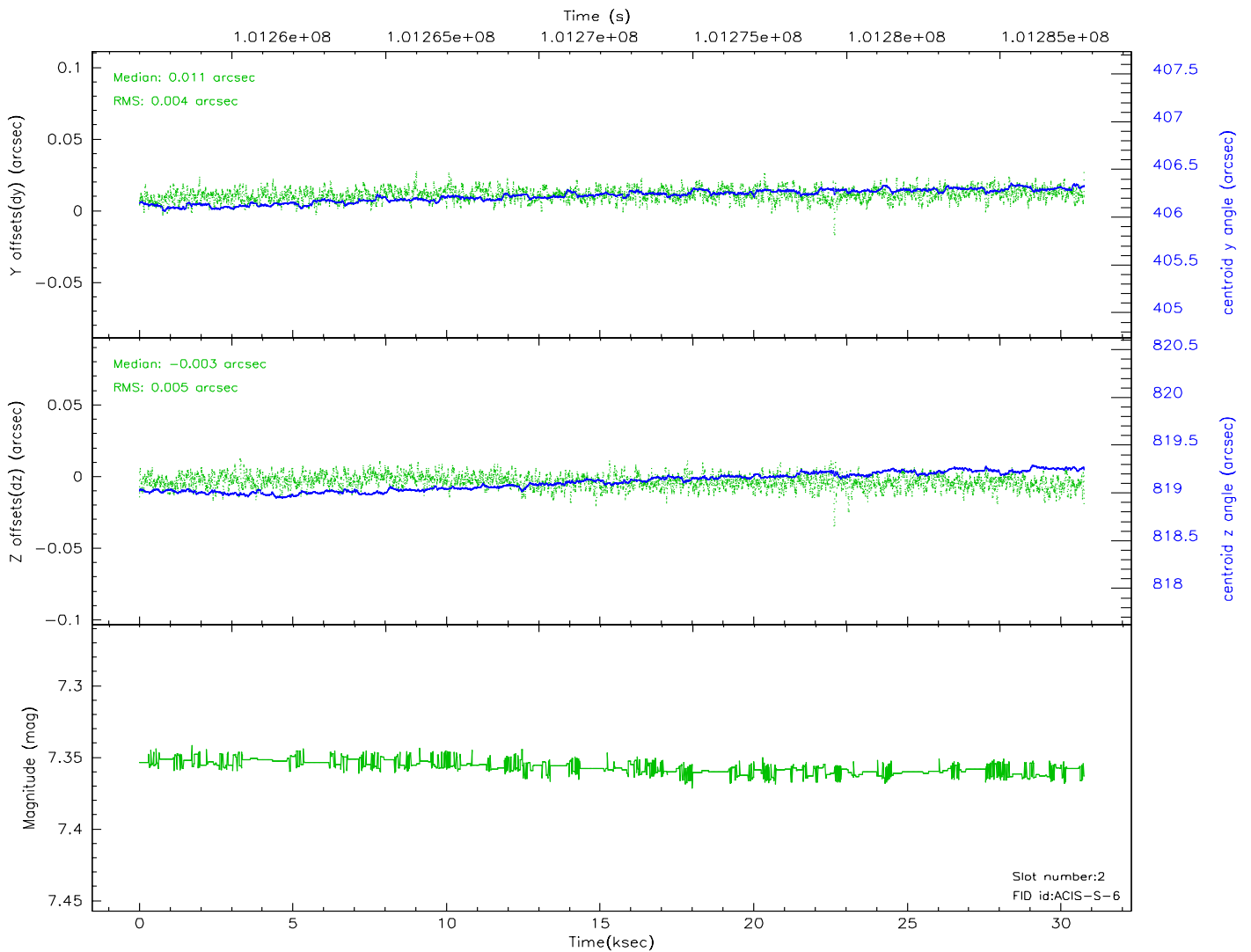
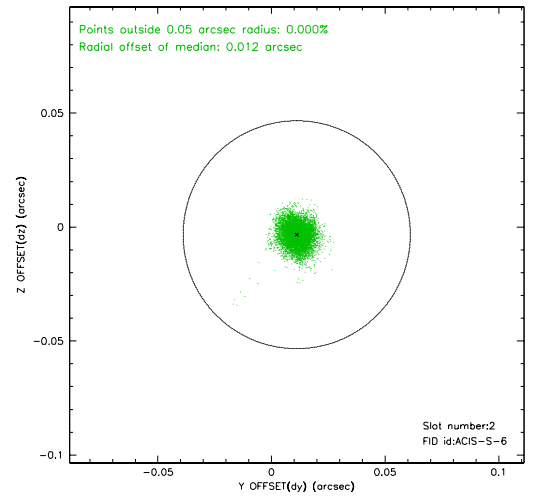
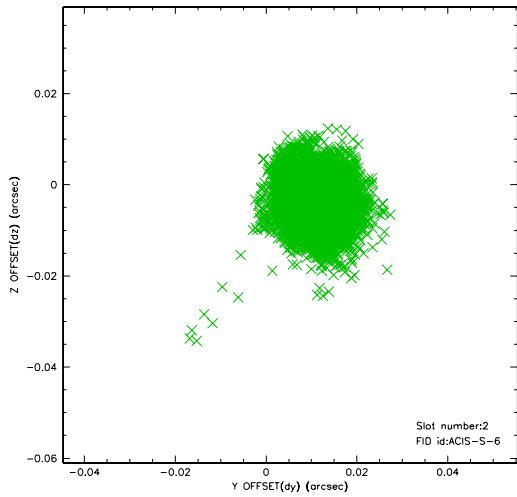
### 2.5.1 Slot 0



## 2.5.2 Slot 1

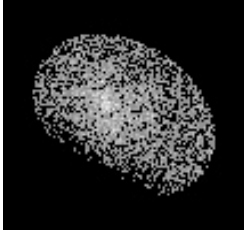


### 2.5.3 Slot 2



### 3 Point Sources

18.39 arcmin



4.70 arcmin



18.49 arcmin



18.62 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.9

## A.2 Comments