

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5297 - L2 Version 001  
Chandra X-Ray Center

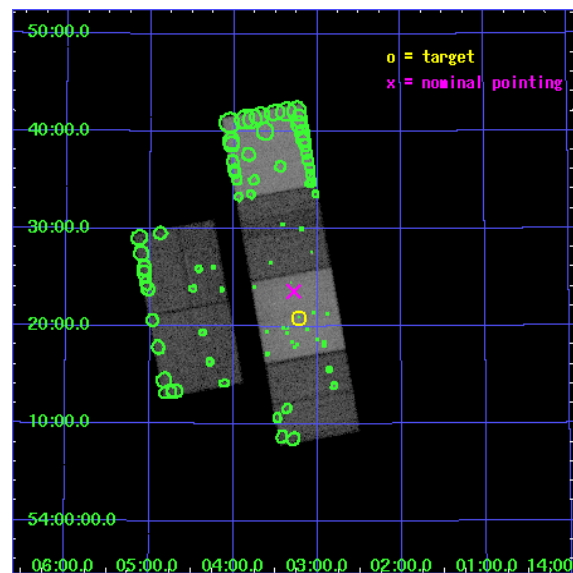
L2 Processing Date : Jun 7 2006

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# 1 Front

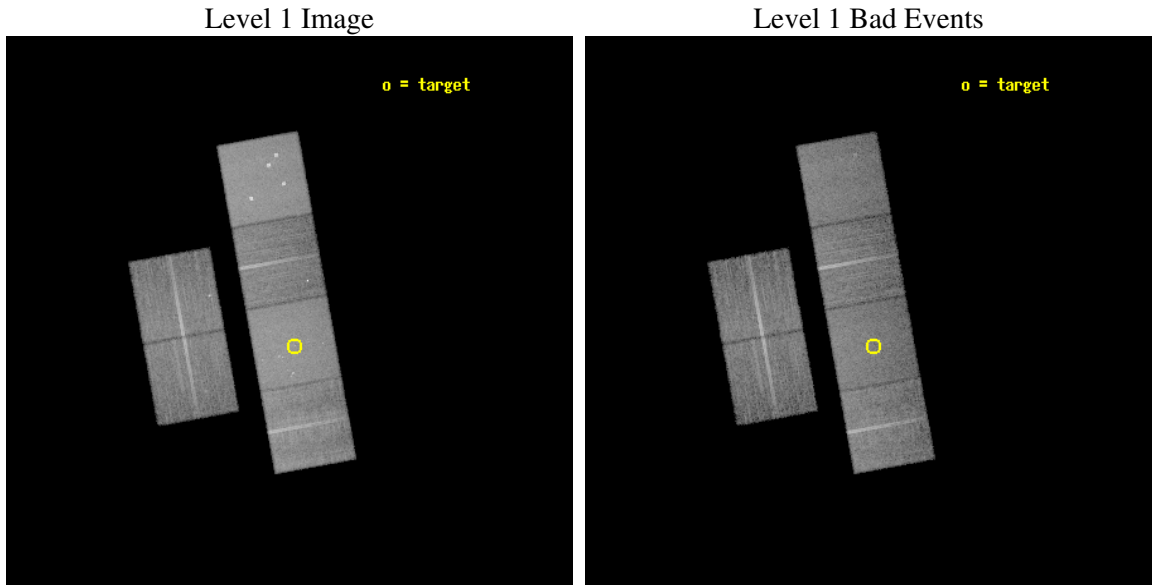
seq_num	600386
obs_id	5297
title	An Ultra-Deep Study of M101
observer	Dr. K. Kuntz
object	M101
dtcycle	0
cycle	P
ra_targ	210.80375
dec_targ	54.348778
ra_nom	210.82073211623
dec_nom	54.393405802681
roll_nom	79.742825885697
revision	2
ontime	21964.799918175
livetime	21686.668395996
ontime2	21964.799918175
ontime3	21964.799918175
ontime5	21964.799918175
ontime6	21961.558947891
ontime7	21964.799918175
ontime8	21964.799918175
l2events	292386



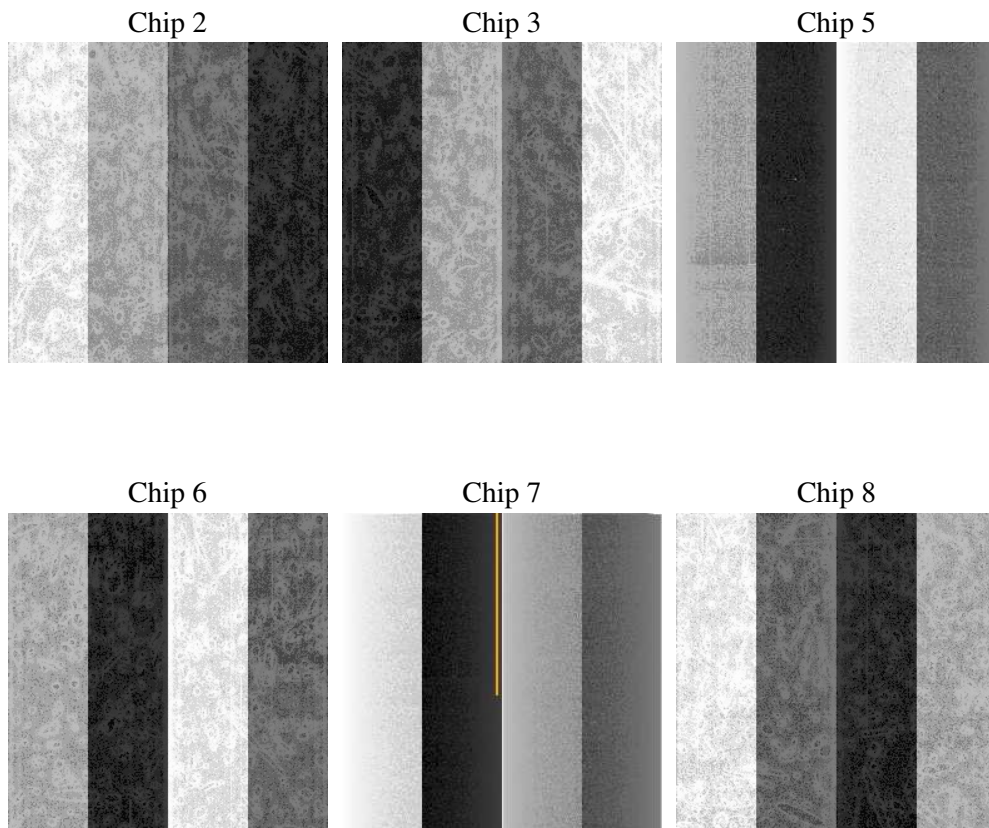
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-07T02:30:20
revision	2

sched_exp_time	22000.000000
ontime	21967.508198738
ontime2	21967.508168817
ontime3	21967.508168817
ontime5	21967.508198738
ontime6	21964.267198533
ontime7	21967.508198738
ontime8	21967.508168817
l1events	1023031

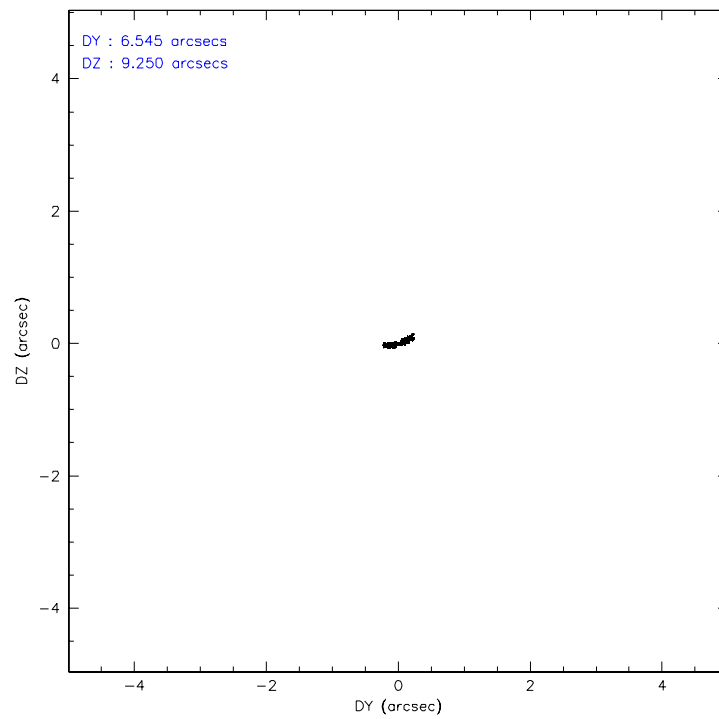
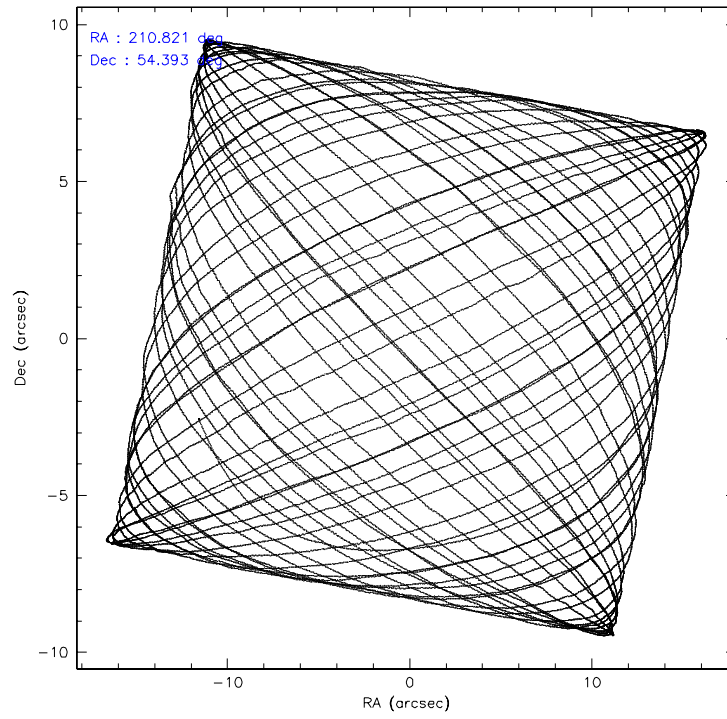
### 2.1.4 Events

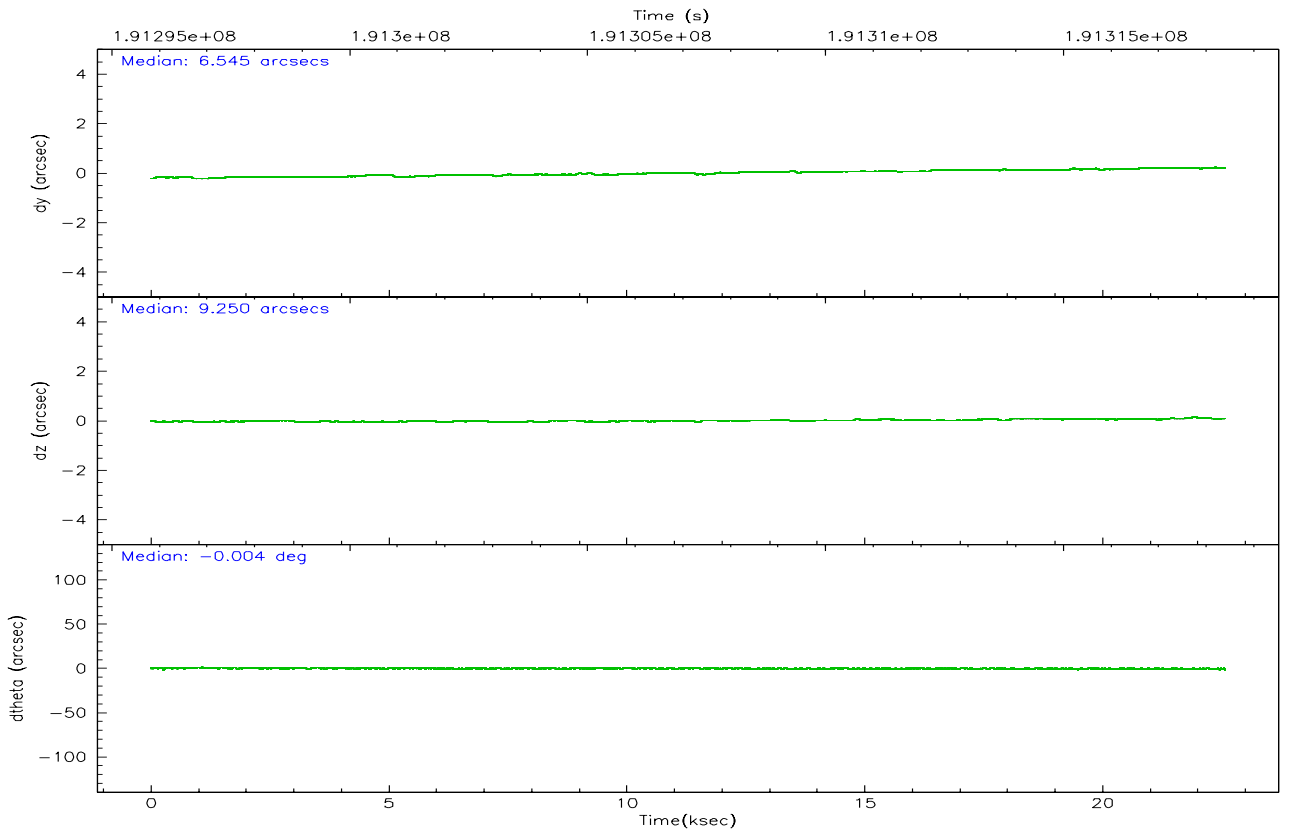
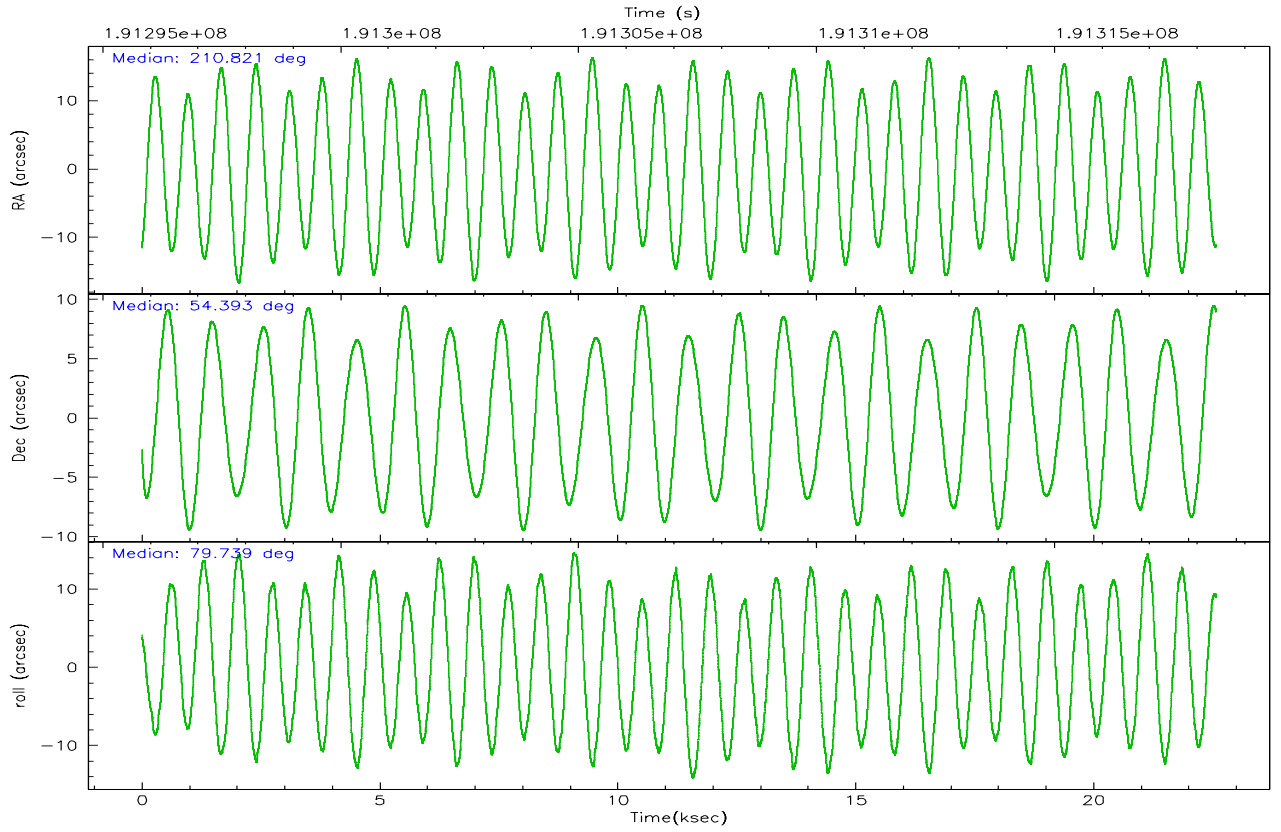
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	142291	132627	223041	141921	206352	176799	grade 0 events	14984	14361	12394	15810	7697	21386
rejected events	116350	107249	111968	113588	112549	127131		10%	10%	5%	11%	3%	12%
rejected %	81%	80%	50%	80%	54%	71%	grade 1 events	109	114	179	98	105	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	4292	4190	33806	5099	21958	9246
								3%	3%	15%	3%	10%	5%
							grade 3 events	1751	1753	2752	1806	4957	4798
								1%	1%	1%	1%	2%	2%
							grade 4 events	1755	1873	2541	1754	4791	4399
								1%	1%	1%	1%	2%	2%
							grade 5 events	5189	5758	9684	5948	11592	7794
								3%	4%	4%	4%	5%	4%
							grade 6 events	3164	3202	59593	3869	54407	9847
								2%	2%	26%	2%	26%	5%
							grade 7 events	111047	101376	102092	107537	100845	119192
								78%	76%	45%	75%	48%	67%

## 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	210.837114	210.8207321162313	Alternating exposures requested	N	N
Pointing Dec	54.367910	54.39340580268115	Primary exposure time	0.000000	3.2
Pointing Roll	79.572882	79.7428258856967			
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	191296400.184000	191295242.68477			
Observation start date	2004-01-24T01:52:16	2004-01-24T01:34:02			
Observation end time	191318400.184000	191319064.71081			
Observation end date	2004-01-24T07:58:56	2004-01-24T08:11:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



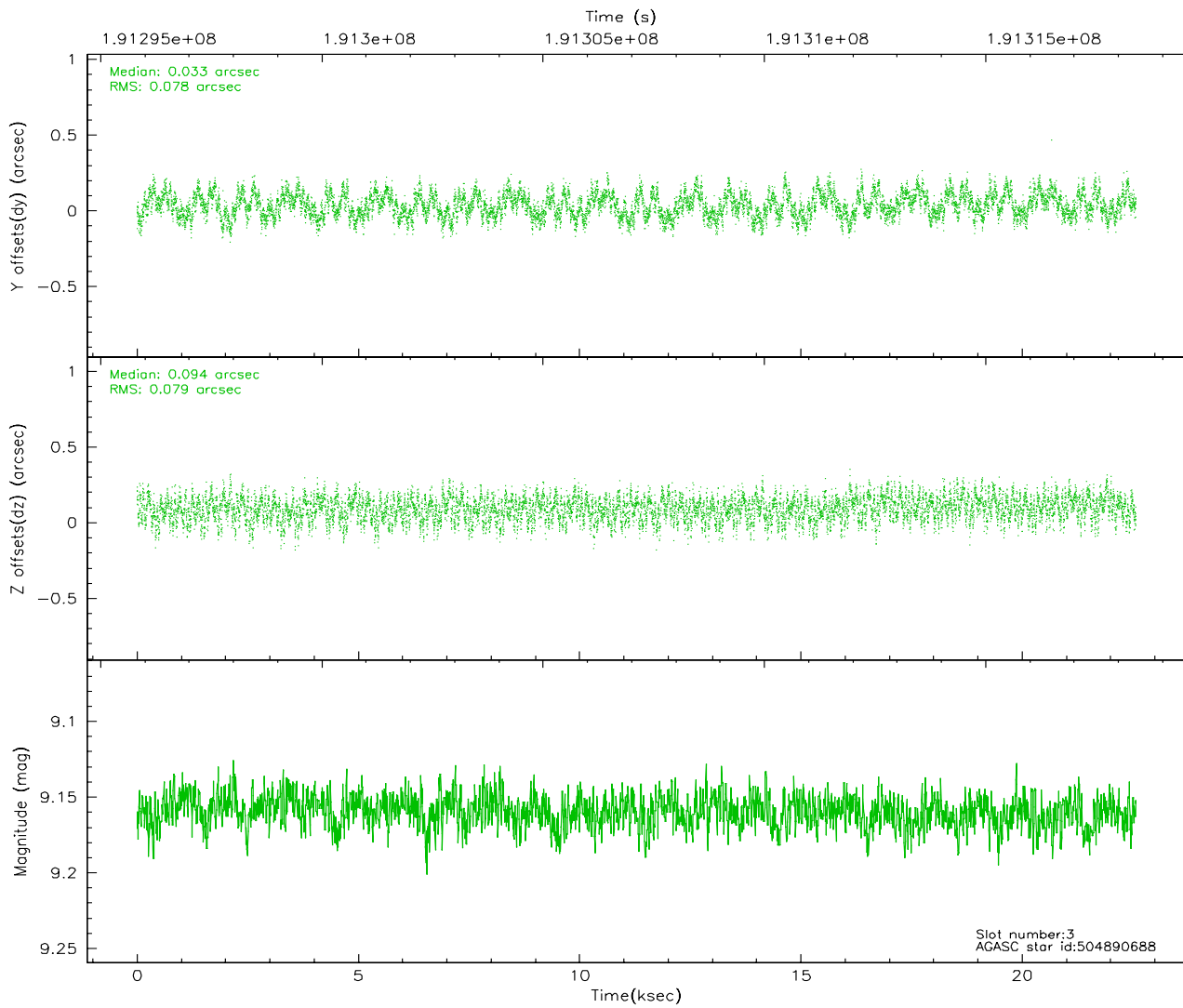
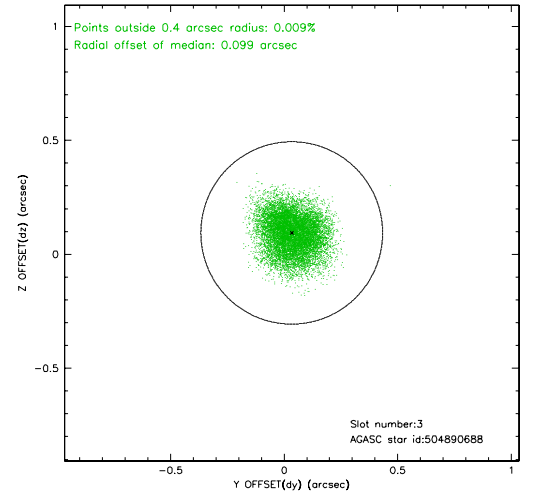
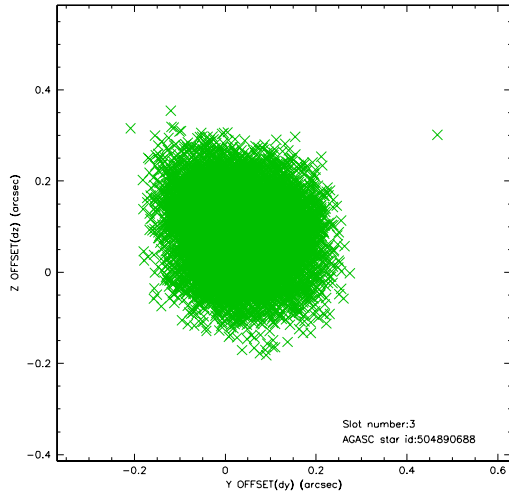


### Slot Statistics

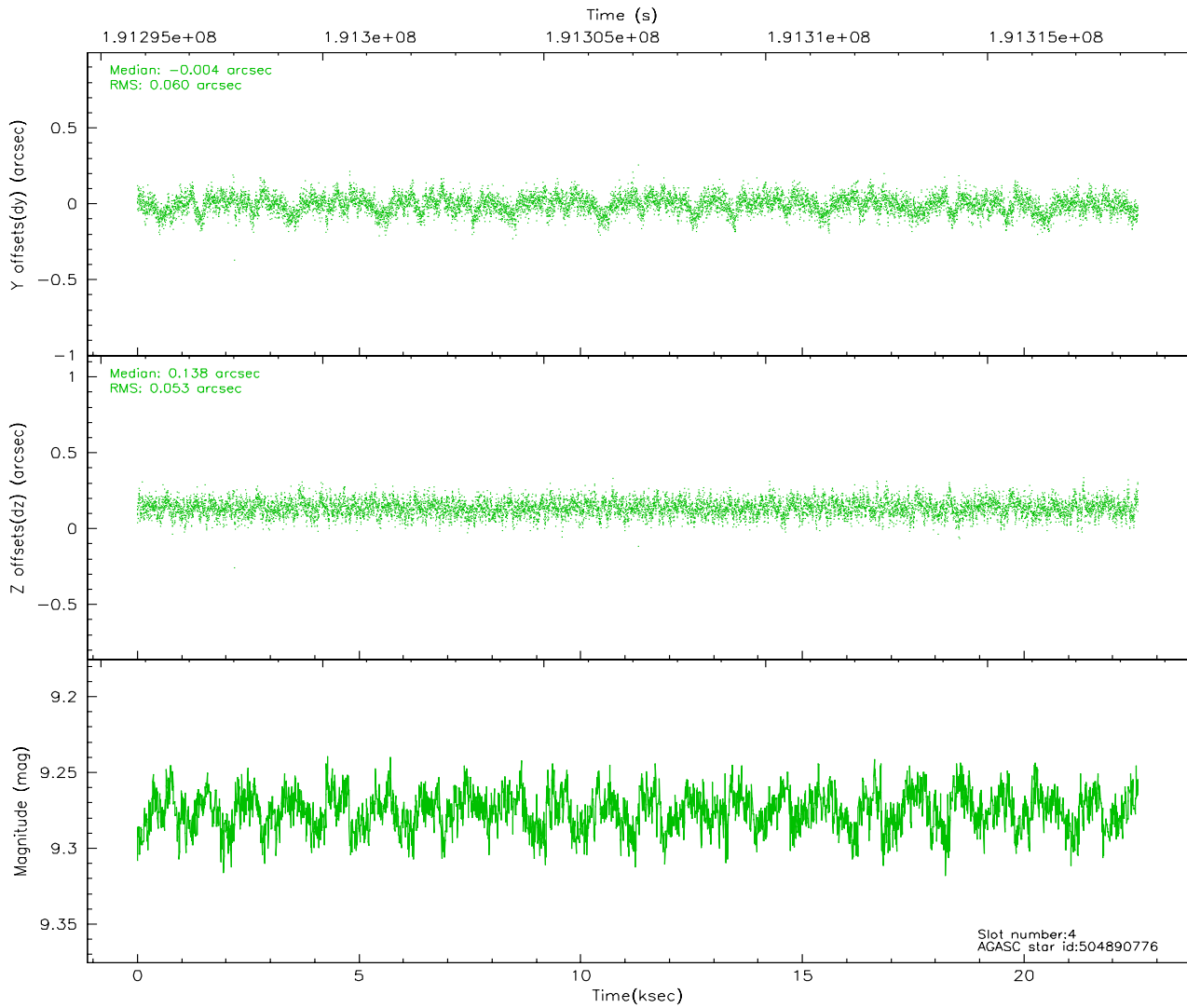
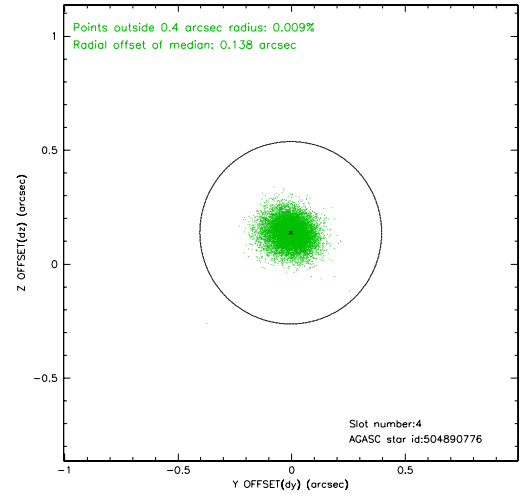
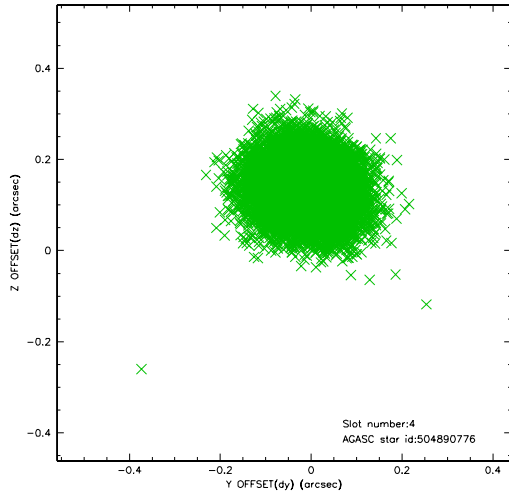
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5507	-0.040	-0.011	0.011	0.028	0.000000	0.000000	-759.32	-1730.44
1	FID	ACIS-S-4	7.20	5507	0.028	0.028	0.010	0.020	0.000000	0.000000	2153.95	177.93
2	FID	ACIS-S-6	7.35	5506	-0.017	-0.012	0.008	0.015	0.000000	0.000000	402.87	815.45
3	GUIDE	504890688	9.16	11009	0.033	0.094	0.120	0.185	211.697686	53.837149	-1537.26	-2141.86
4	GUIDE	504890776	9.28	11008	-0.004	0.138	0.085	0.138	211.095934	54.816966	1688.12	-235.04
5	GUIDE	504891480	8.07	11014	0.019	-0.096	0.066	0.100	210.708012	54.666096	1007.68	458.79
6	GUIDE	504894856	8.99	11012	0.055	-0.091	0.090	0.138	209.819510	54.132689	-1205.86	1960.49
7	GUIDE	505292416	9.34	11007	-0.103	-0.040	0.098	0.155	210.920759	55.040479	2412.79	269.31

## 2.4 Star Slots

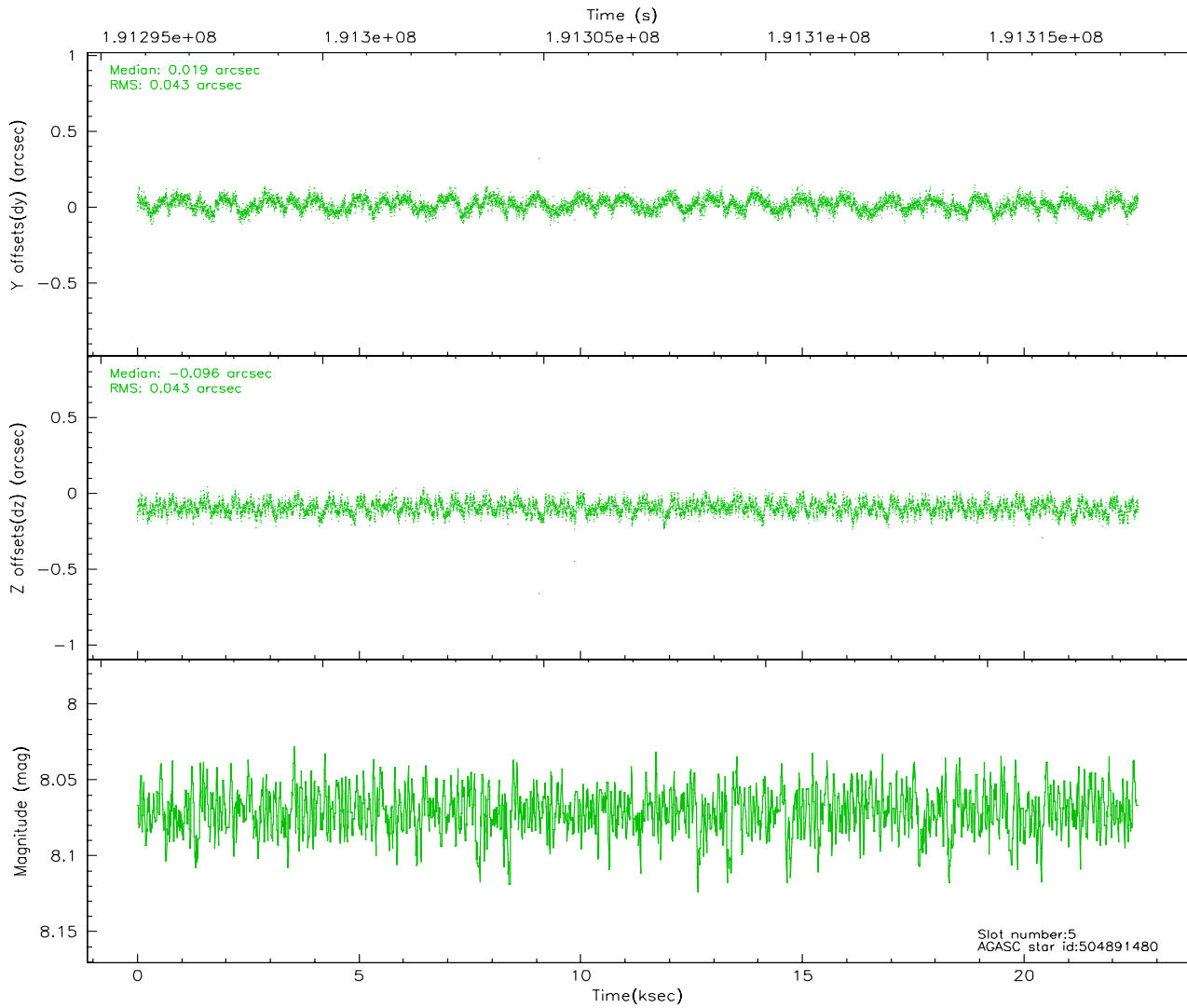
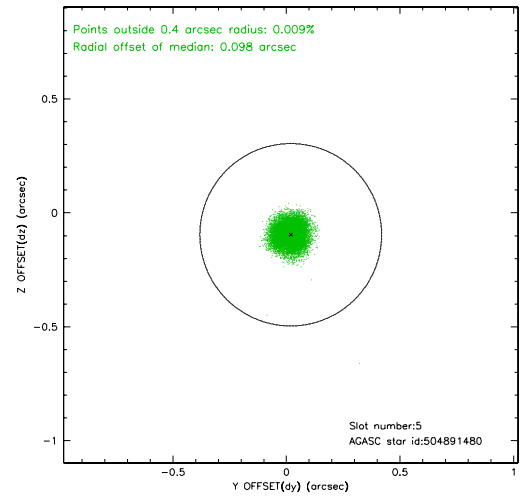
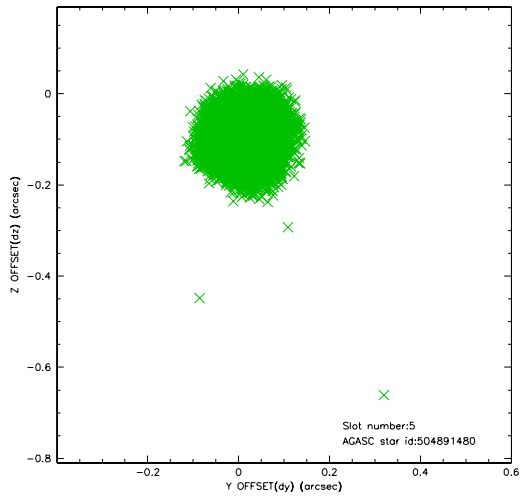
### 2.4.1 Slot 3



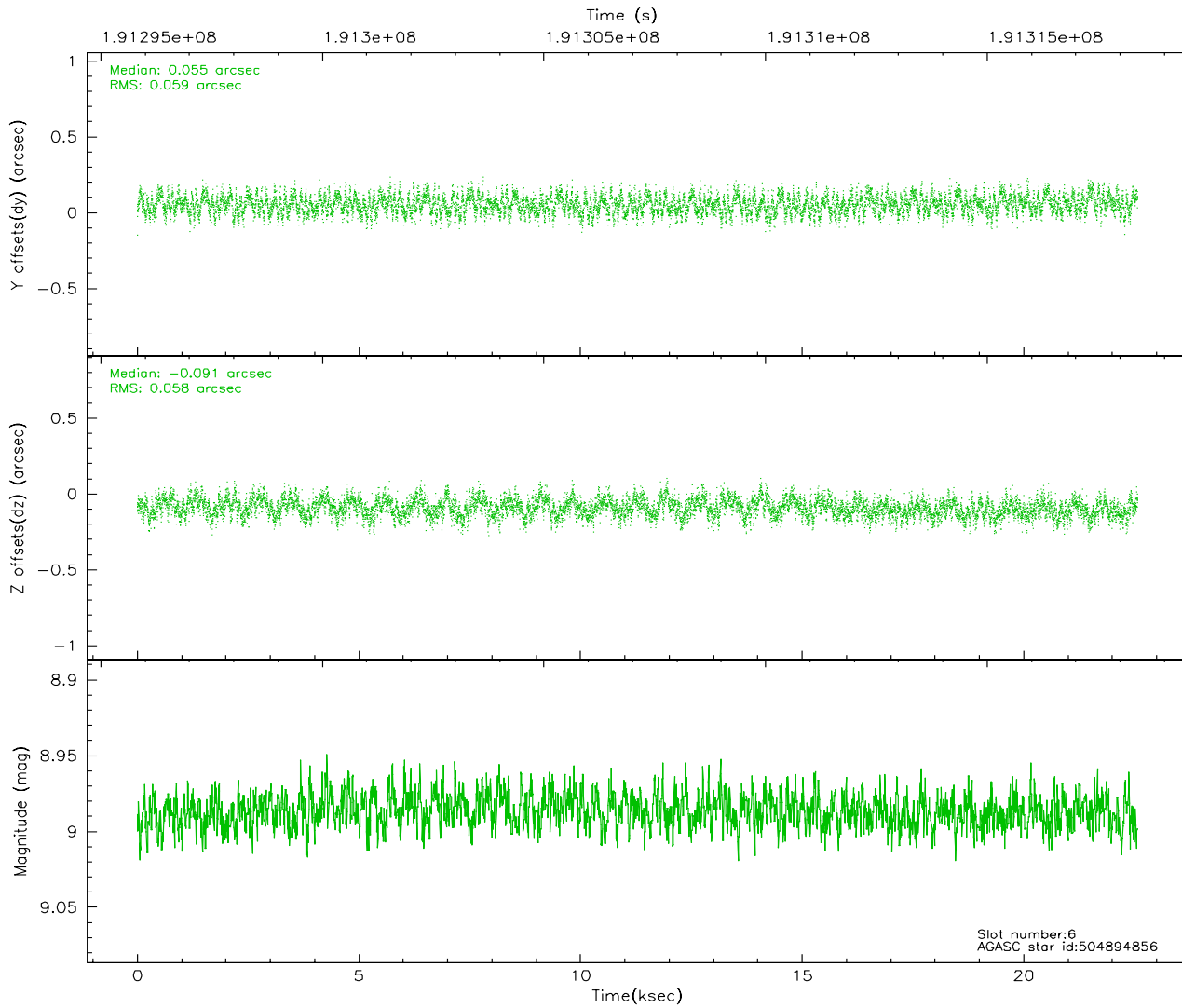
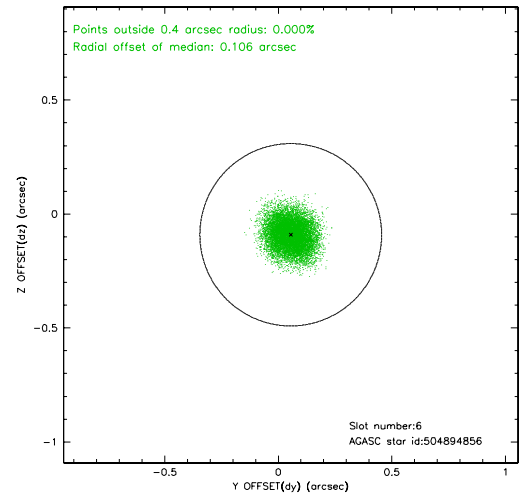
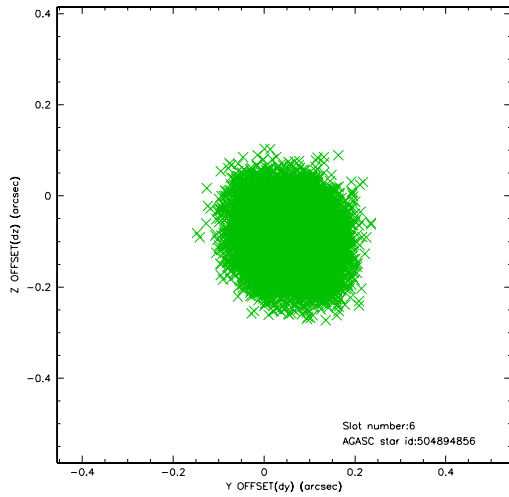
### 2.4.2 Slot 4



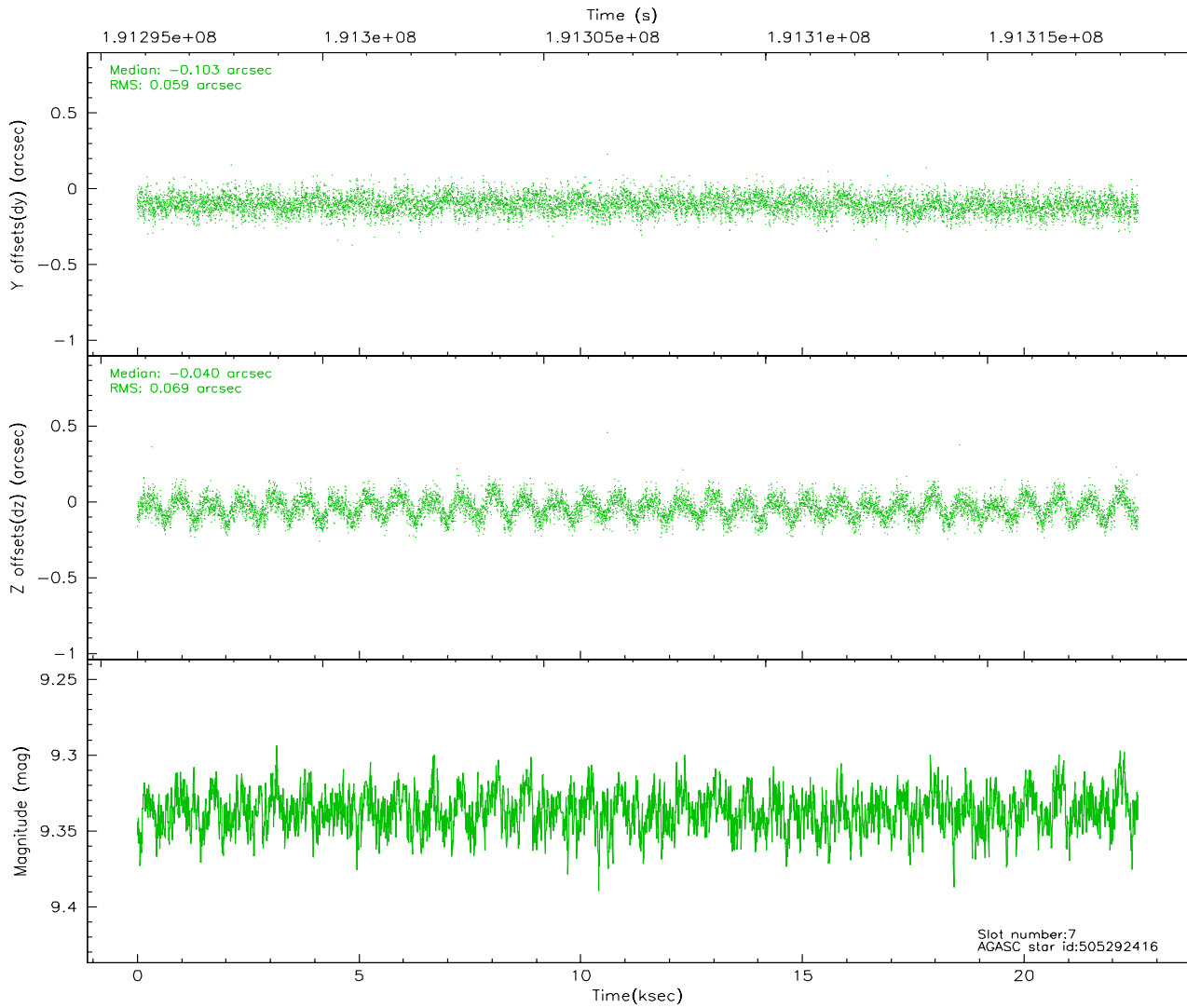
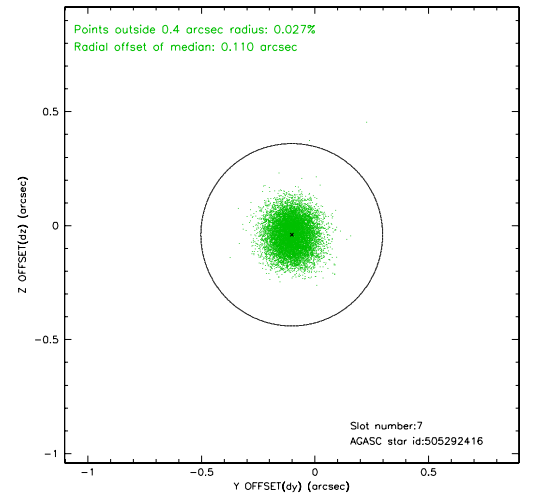
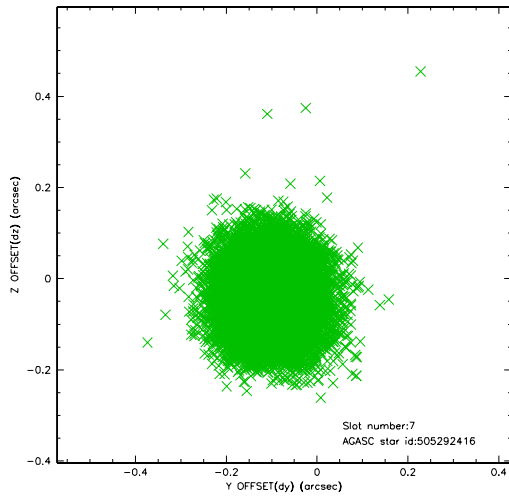
### 2.4.3 Slot 5



### 2.4.4 Slot 6

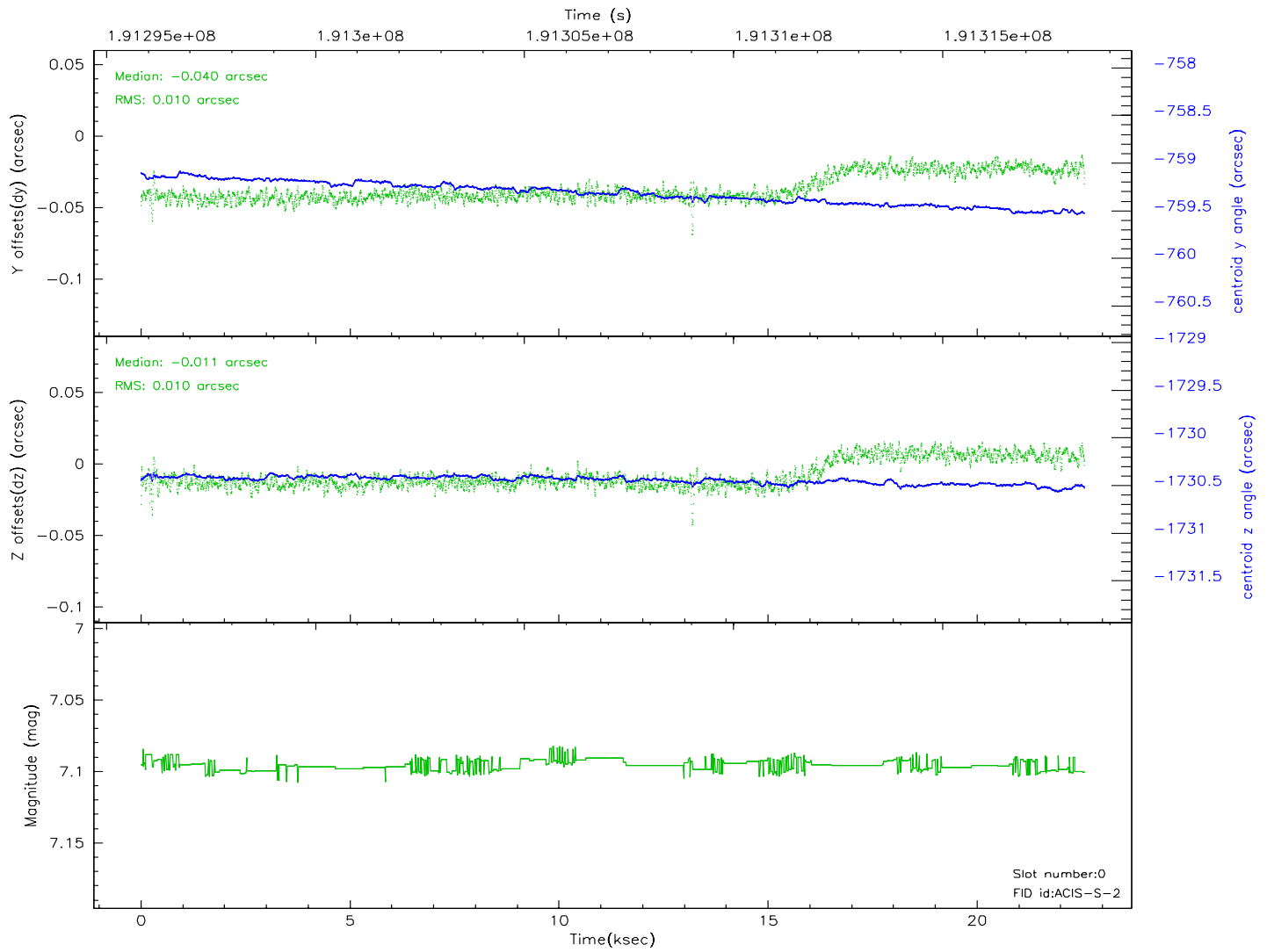
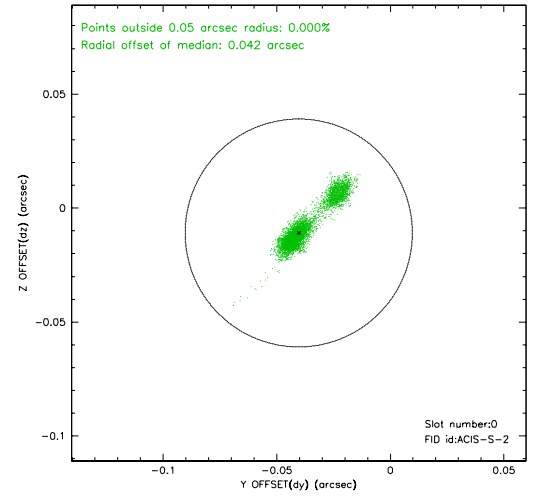
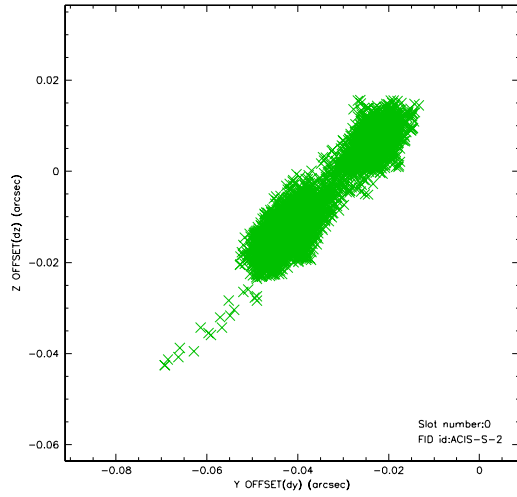


### 2.4.5 Slot 7

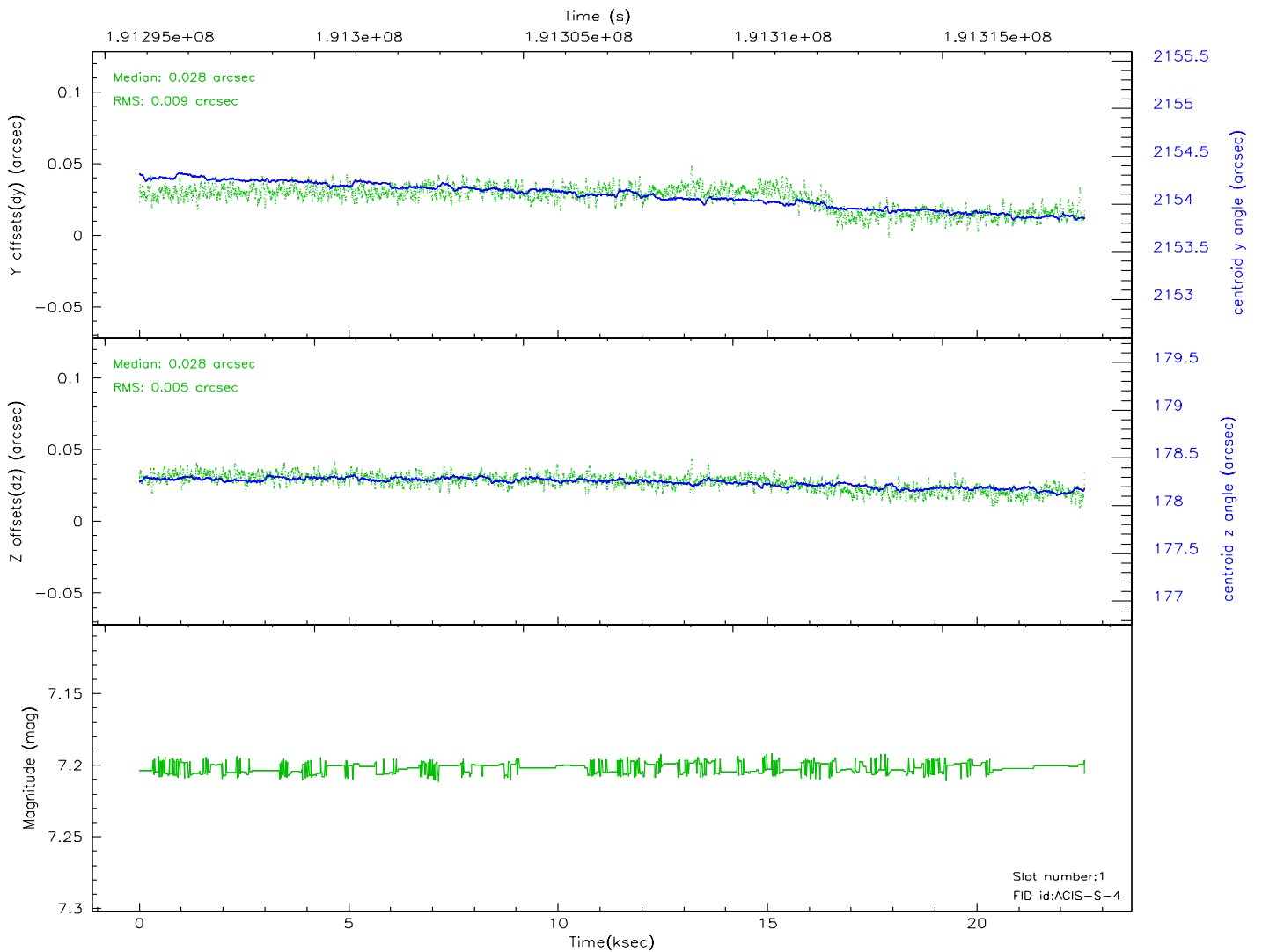
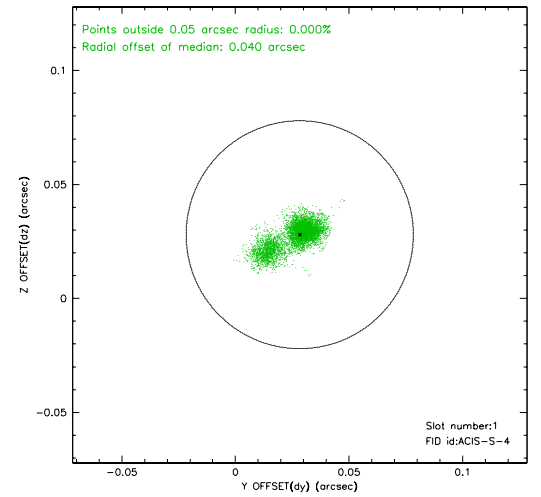
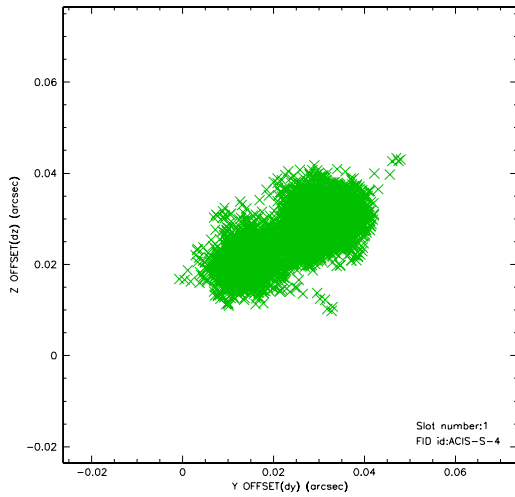


## 2.5 FID Slots

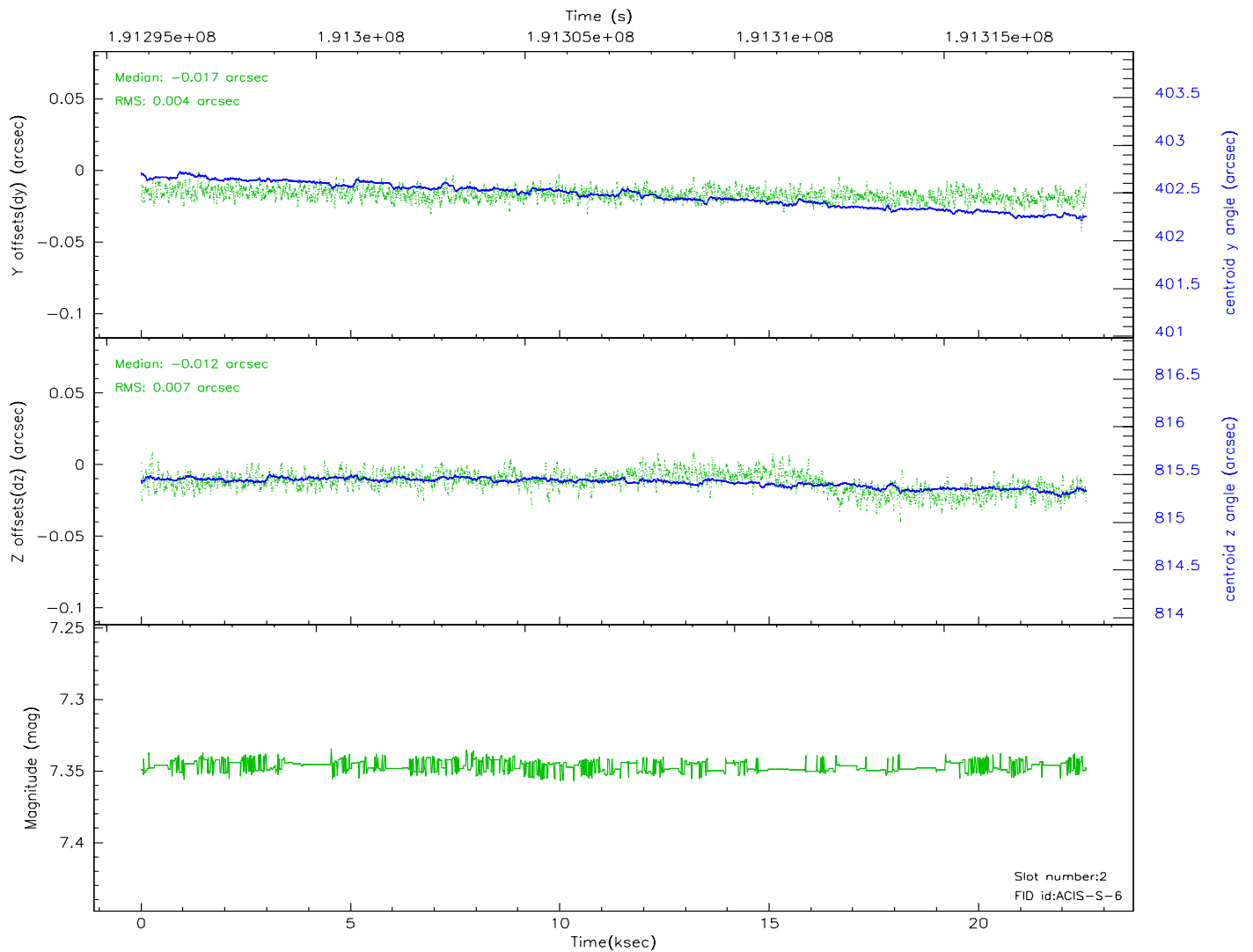
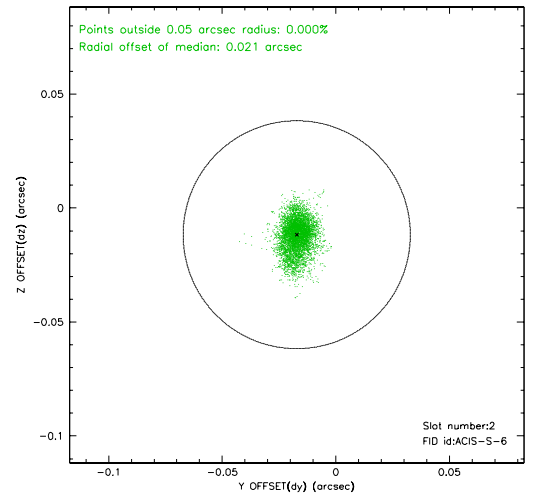
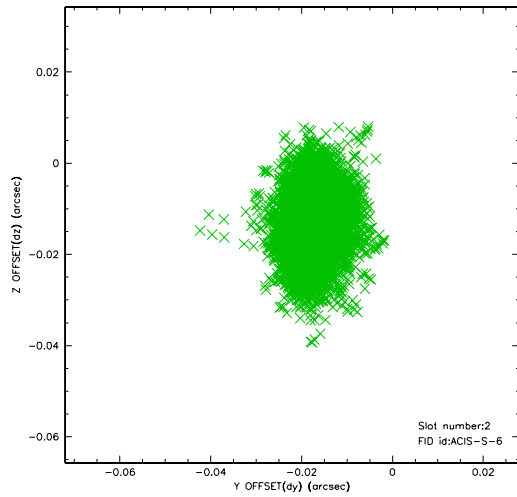
### 2.5.1 Slot 0



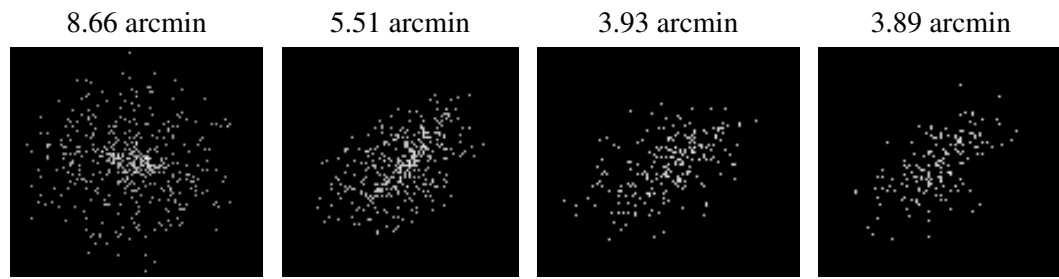
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.964

## A.2 Comments