

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1753 - L2 Version 001  
Chandra X-Ray Center

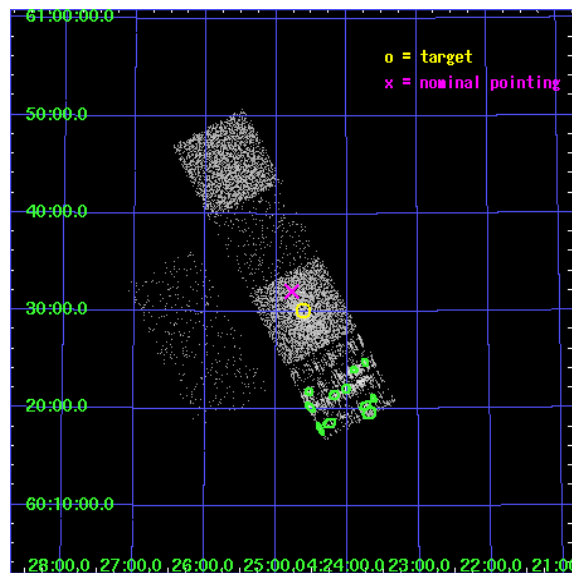
L2 Processing Date : May 30 2007

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# 1 Front

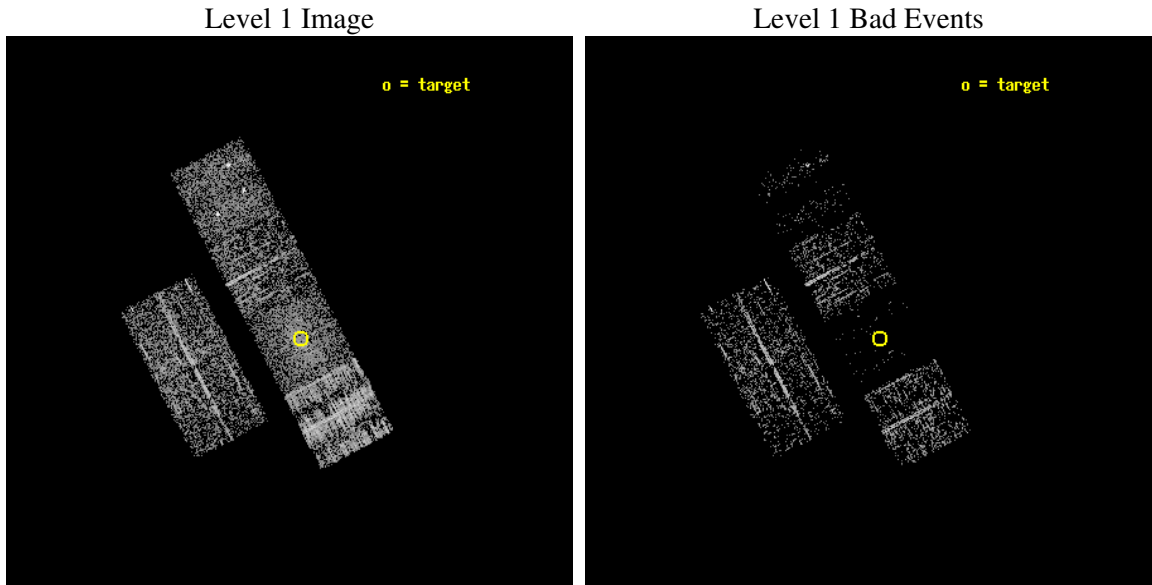
seq_num	100002
obs_id	1753
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2
observer	Dr. Carey Lisse
object	LINEAR 1999 S4
dtcycle	0
cycle	P
ra_targ	66.15592
dec_targ	60.50241
ra_nom	66.194743212698
dec_nom	60.53448563085
roll_nom	62.34728852625
revision	3
ontime	1196.8000011146
livetime	1181.645398874
ontime2	1196.8000011146
ontime3	1196.8000011146
ontime5	1196.8000011146
ontime6	1196.8000011146
ontime7	1196.8000011146
ontime8	1196.8000011146
l2events	11204



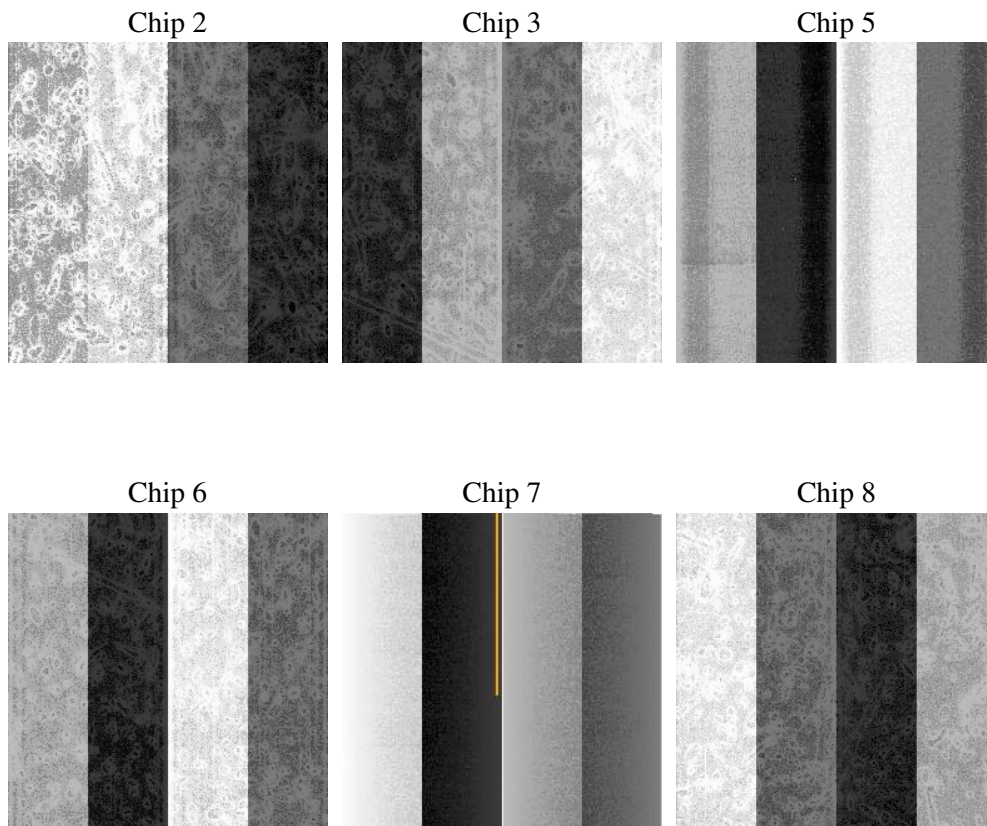
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-05-30T19:09:56
revision	3

sched_exp_time	1000.000000
ontime	1196.8000011146
ontime2	1196.8000011146
ontime3	1196.8000011146
ontime5	1196.8000011146
ontime6	1196.8000011146
ontime7	1196.8000011146
ontime8	1196.8000011146
l1events	43281

### 2.1.4 Events

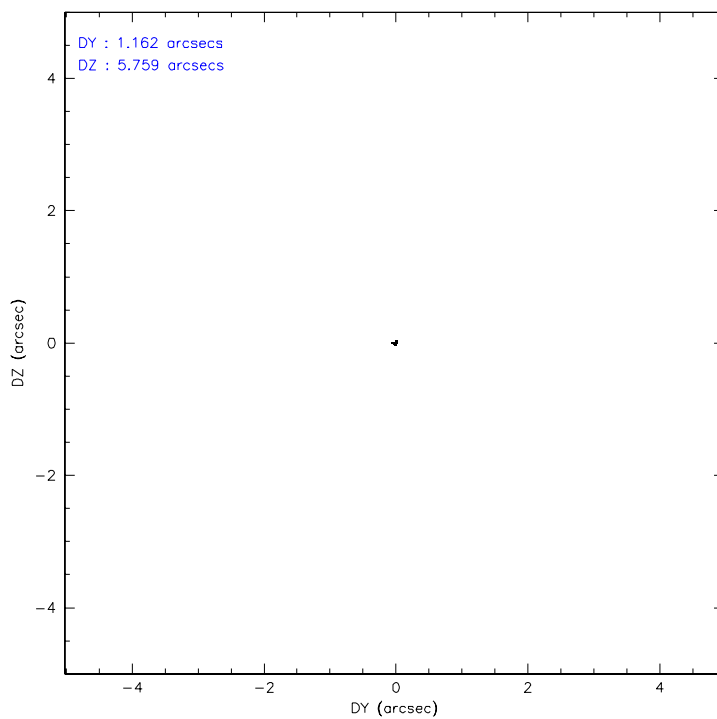
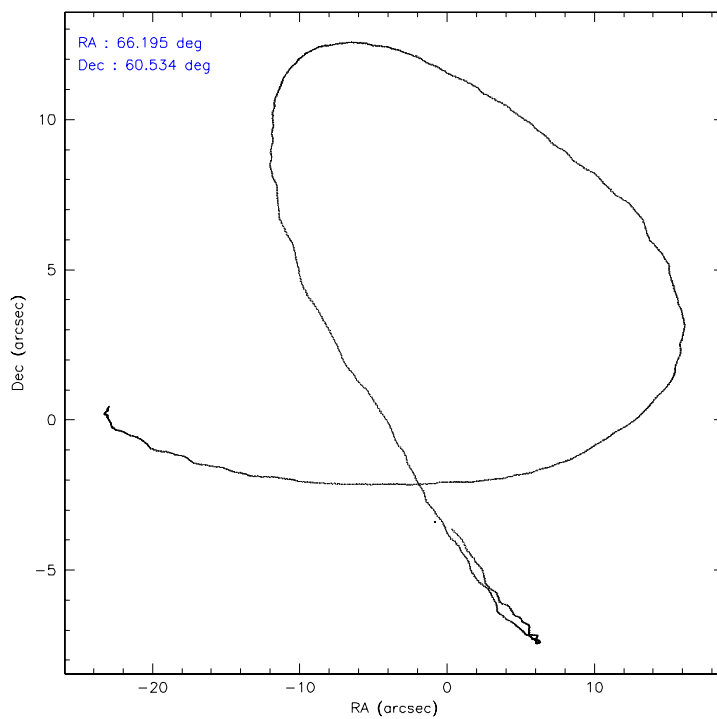
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6557	5393	5810	5839	5899	13783
rejected events	6064	5188	1760	5375	1276	7130
rejected %	92%	96%	30%	92%	21%	51%

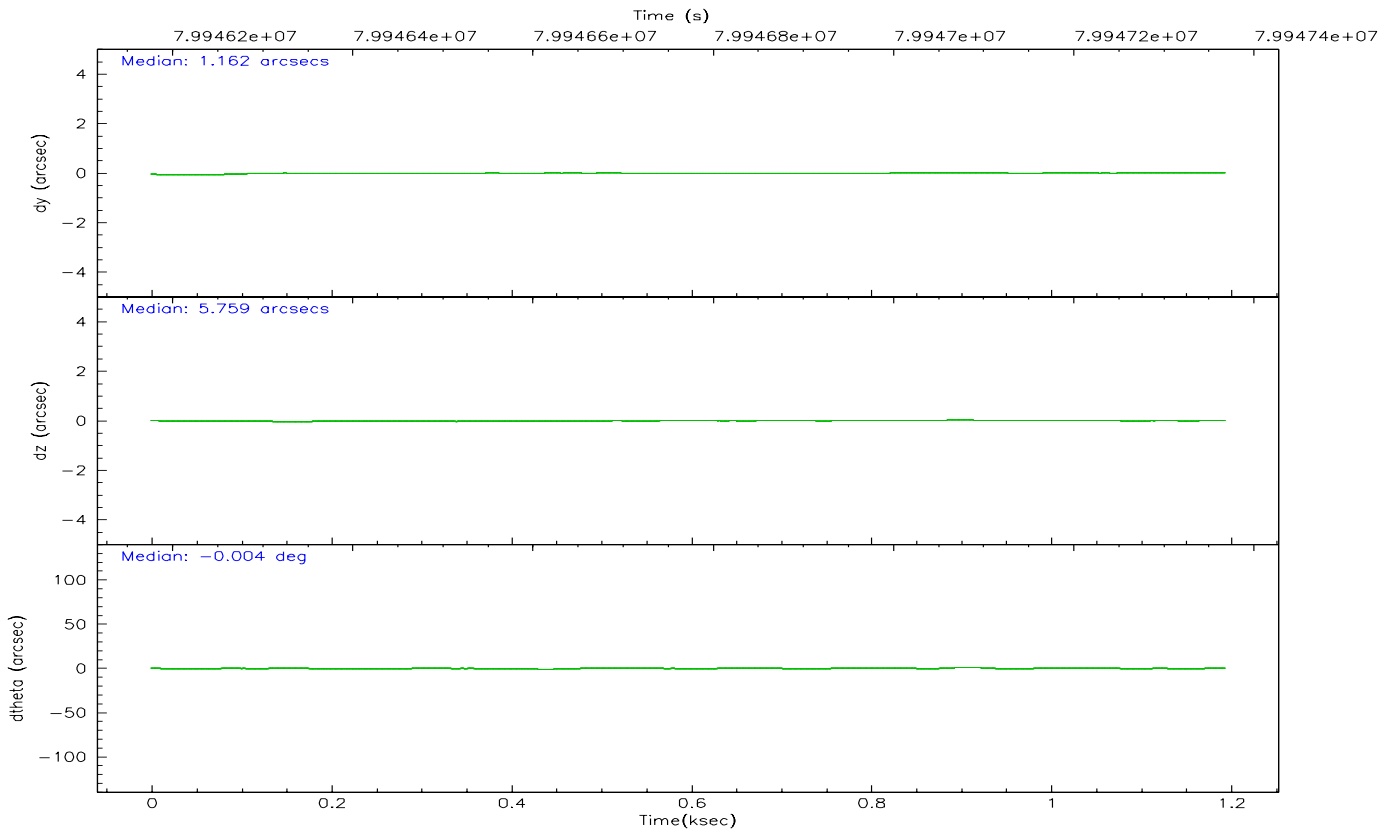
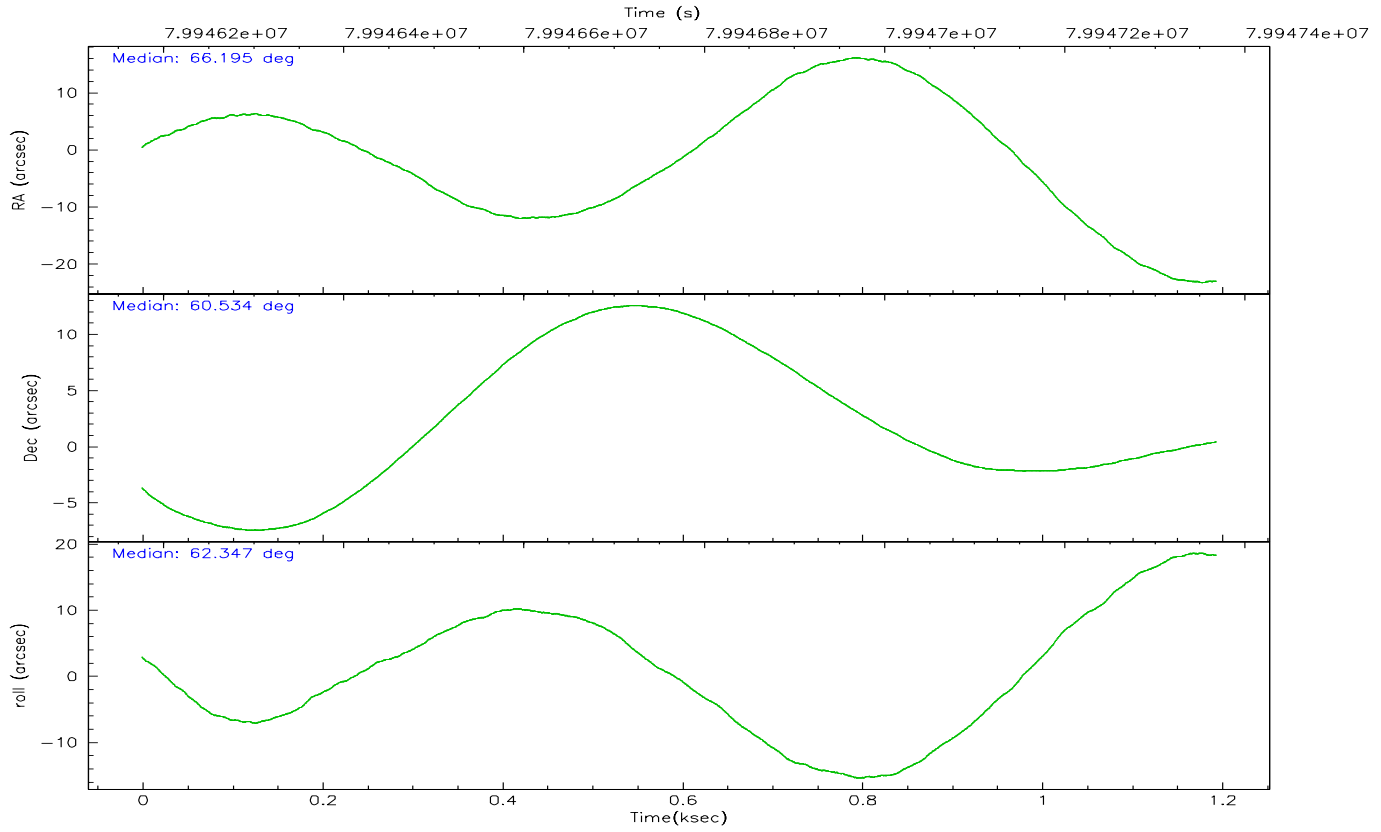
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	358	159	1996	384	1991	3337
	5%	2%	34%	6%	33%	24%
grade 1 events	3	2	16	2	6	22
	0%	0%	0%	0%	0%	0%
grade 2 events	117	34	1410	96	1402	668
	1%	0%	24%	1%	23%	4%
grade 3 events	47	23	483	42	646	1759
	0%	0%	8%	0%	10%	12%
grade 4 events	54	22	426	41	662	1594
	0%	0%	7%	0%	11%	11%
grade 5 events	7	6	136	4	78	72
	0%	0%	2%	0%	1%	0%
grade 6 events	30	18	538	13	886	997
	0%	0%	9%	0%	15%	7%
grade 7 events	5941	5129	805	5257	228	5334
	90%	95%	13%	90%	3%	38%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	66.197334	66.19474321269769	Subarray requested	NONE	NONE
Pointing Dec	60.507480	60.53448563085038	Alternating exposures requested	N	N
Pointing Roll	62.188398	62.34728852624978	Primary exposure time	3.200000	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	79946369.184000	79945992.919607			
Observation start date	2000-07-14T07:18:25	2000-07-14T07:13:12			
Observation end time	79947369.184000	79947502.744663			
Observation end date	2000-07-14T07:35:05	2000-07-14T07:38:22			
Read mode	TIMED	TIMED			

## 2.3 Aspect



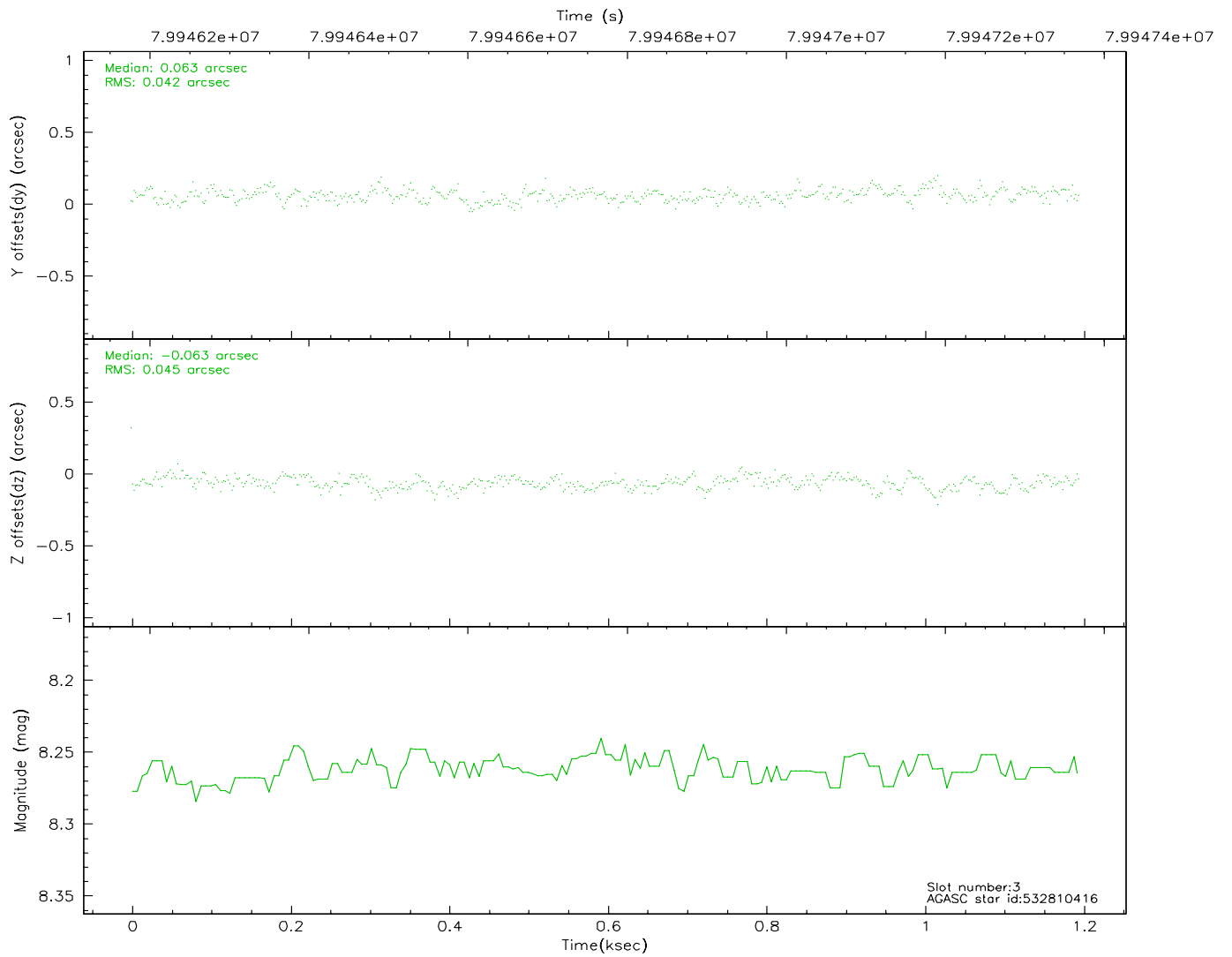
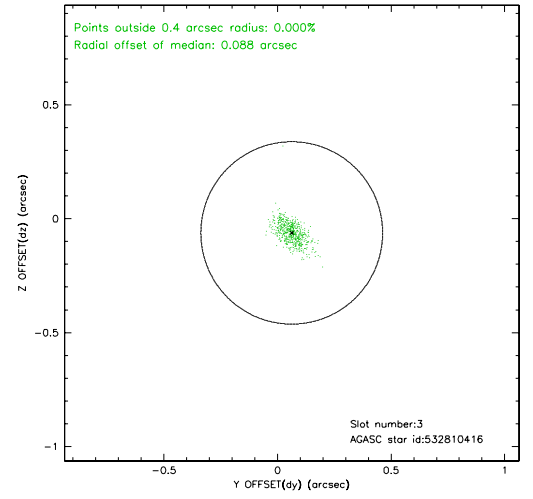
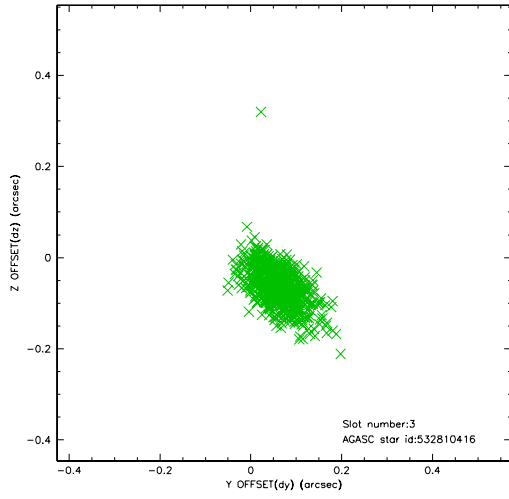


### Slot Statistics

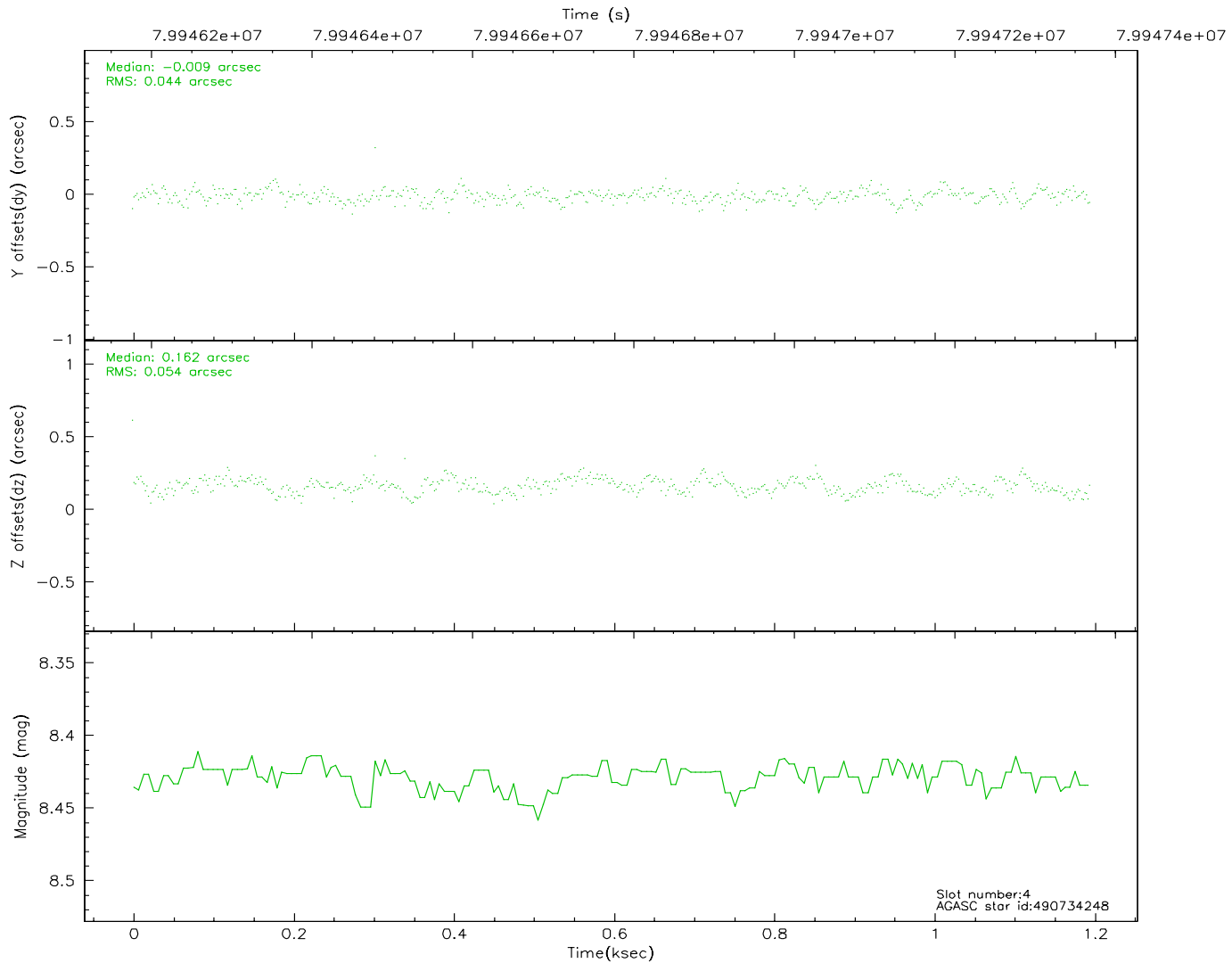
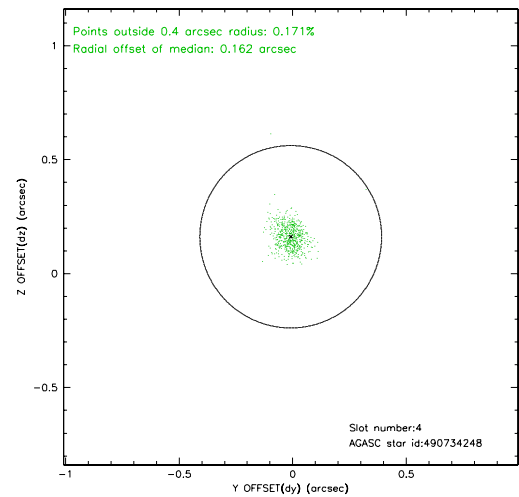
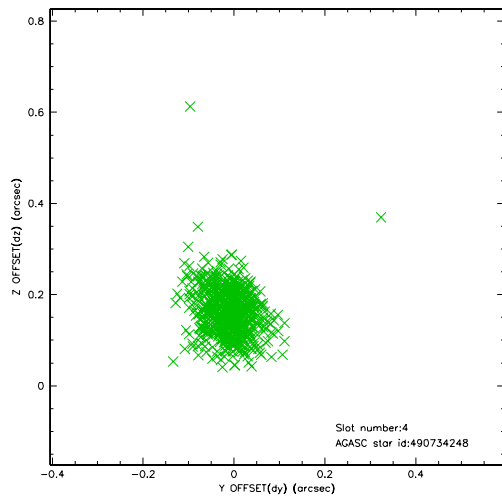
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	292	-0.028	0.038	0.006	0.011	0.000000	0.000000	-753.76	-1726.86
1	FID	ACIS-S-4	7.21	292	-0.058	0.003	0.006	0.013	0.000000	0.000000	2156.96	175.86
2	FID	ACIS-S-5	7.23	292	0.054	-0.031	0.007	0.012	0.000000	0.000000	-1799.35	175.81
3	GUIDE	532810416	8.26	584	0.063	-0.063	0.062	0.107	65.589506	60.260431	-1287.97	546.85
4	GUIDE	490734248	8.43	584	-0.009	0.162	0.068	0.116	66.707404	59.622979	-2381.63	-2304.86
5	GUIDE	532808864	8.83	584	0.137	-0.101	0.074	0.122	65.742578	60.215294	-1310.63	225.24
6	GUIDE	532808776	9.05	584	-0.108	0.048	0.085	0.136	66.101653	61.223764	2201.78	1349.79
7	GUIDE	532813176	9.33	583	-0.089	-0.049	0.078	0.140	66.050304	61.096768	1761.58	1218.00

## 2.4 Star Slots

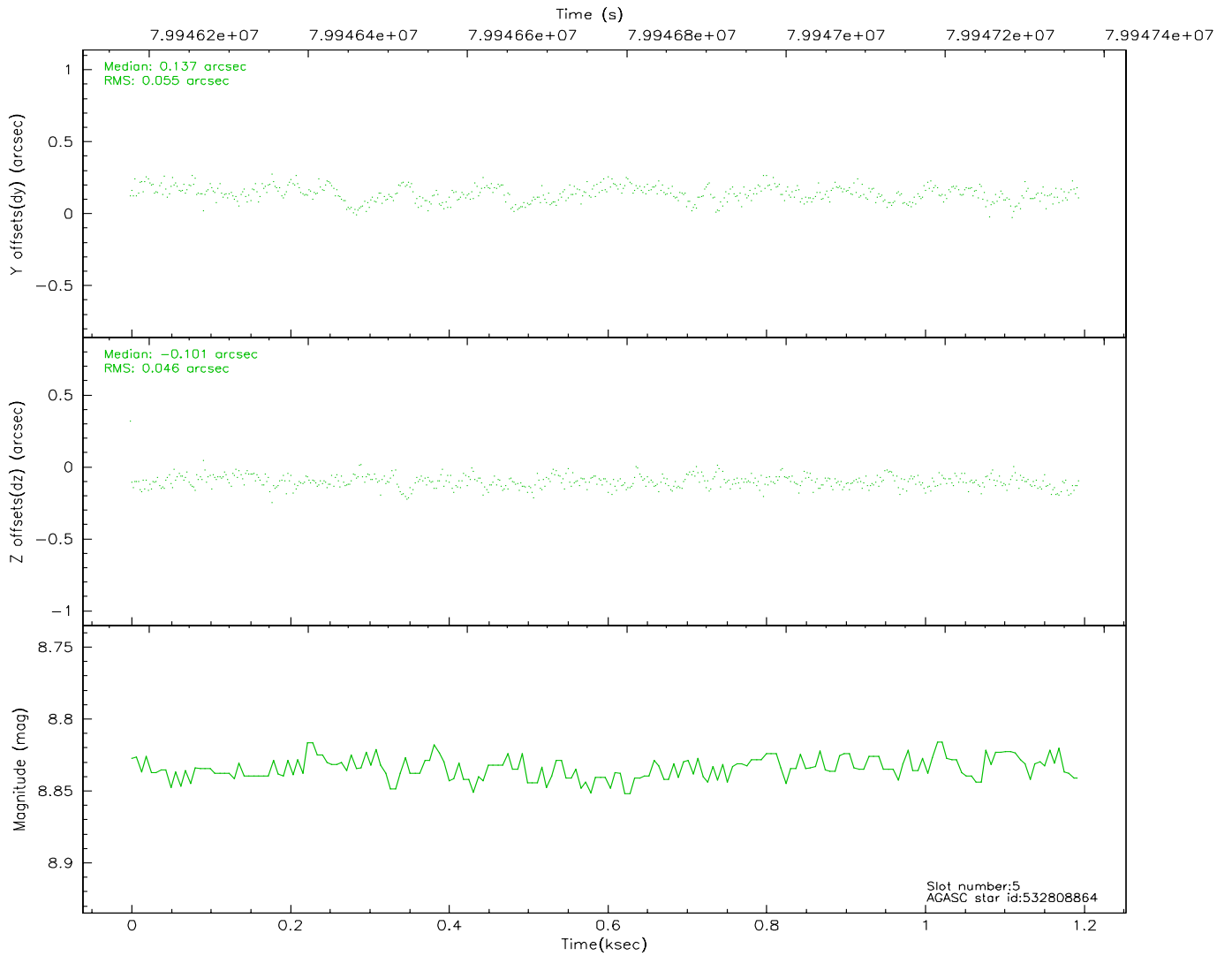
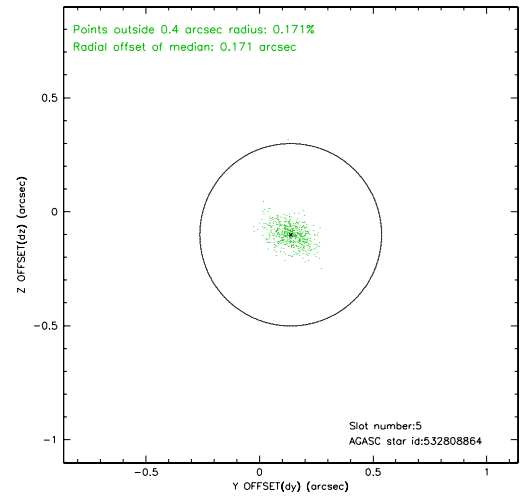
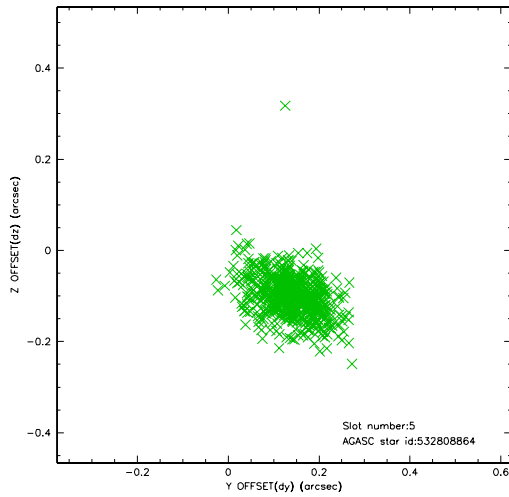
### 2.4.1 Slot 3



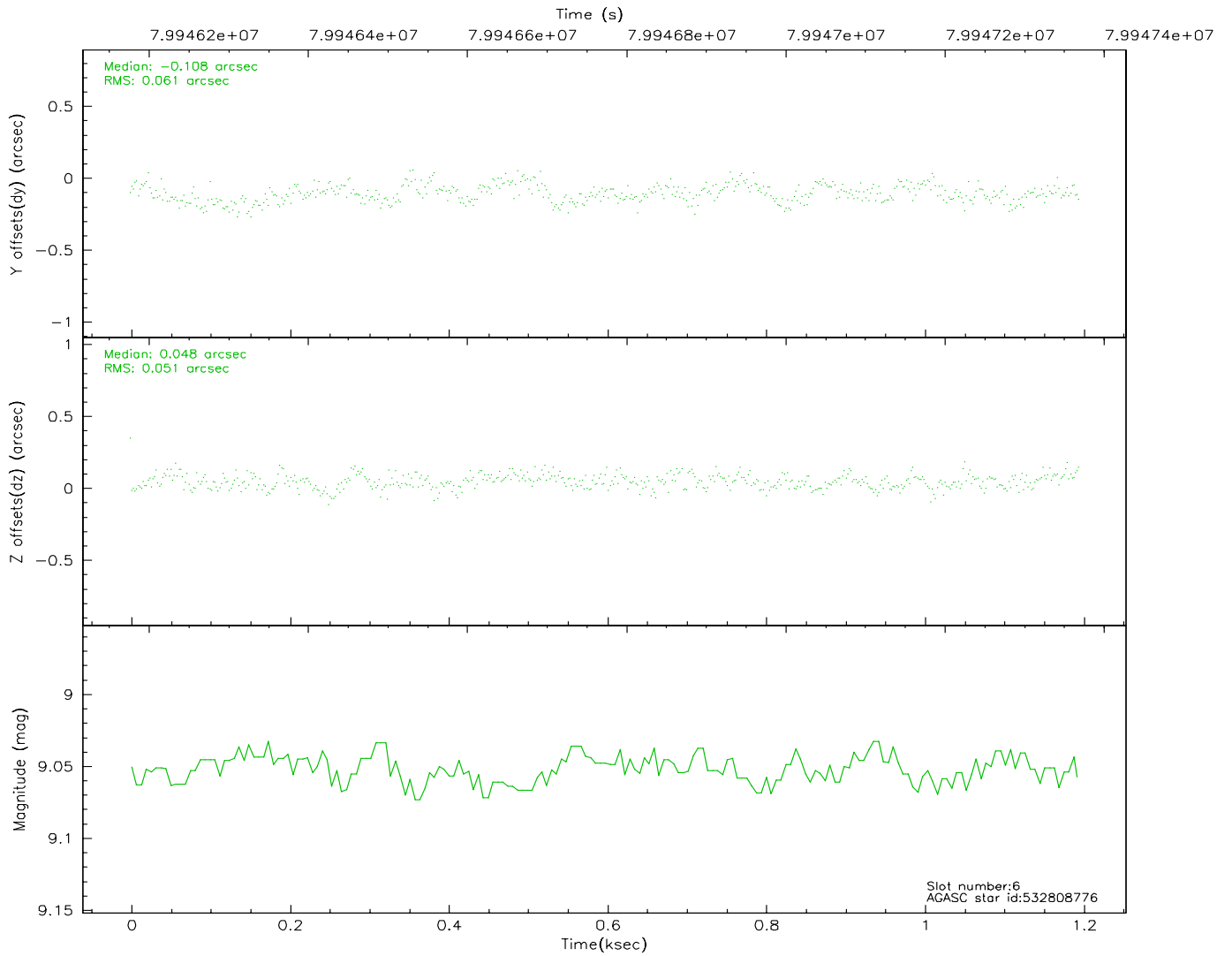
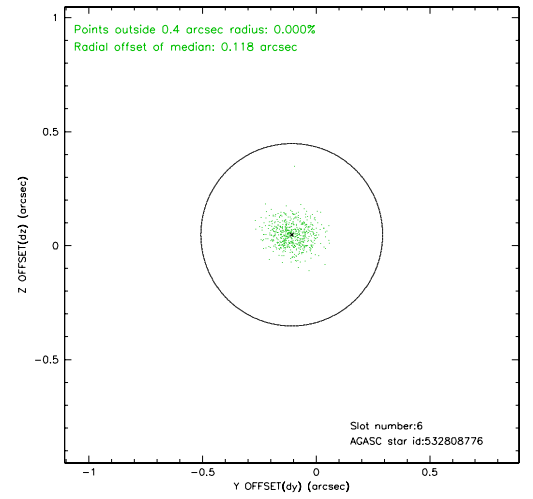
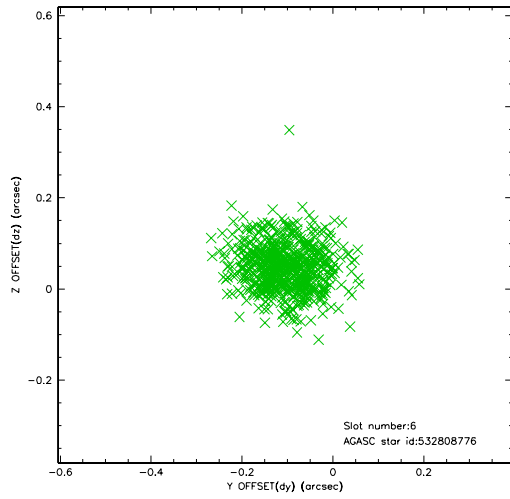
## 2.4.2 Slot 4



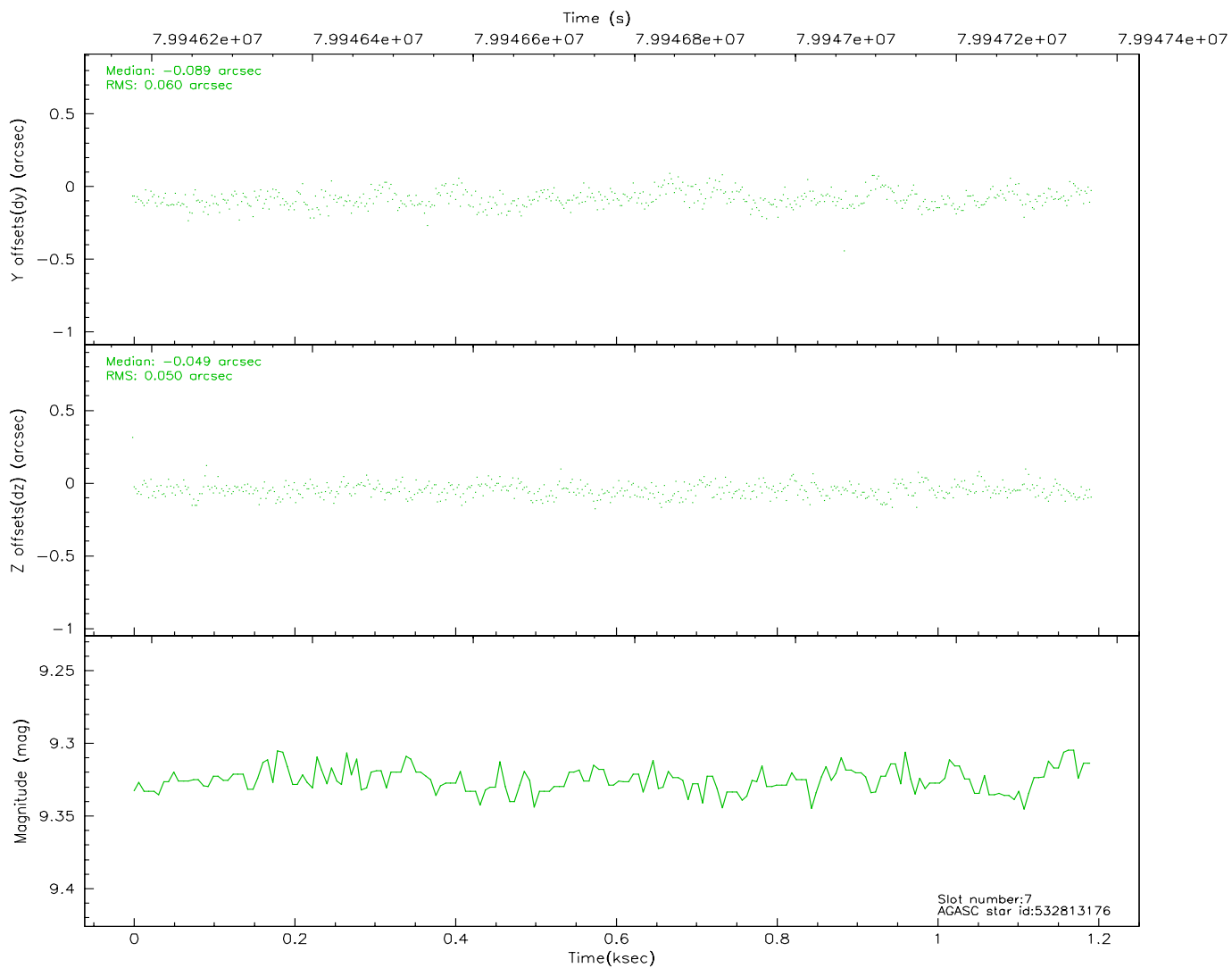
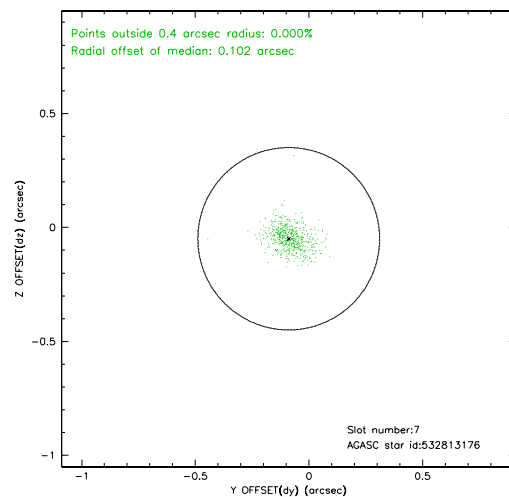
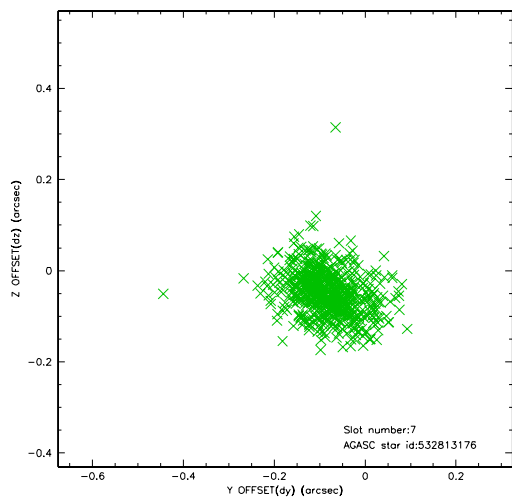
### 2.4.3 Slot 5



### 2.4.4 Slot 6

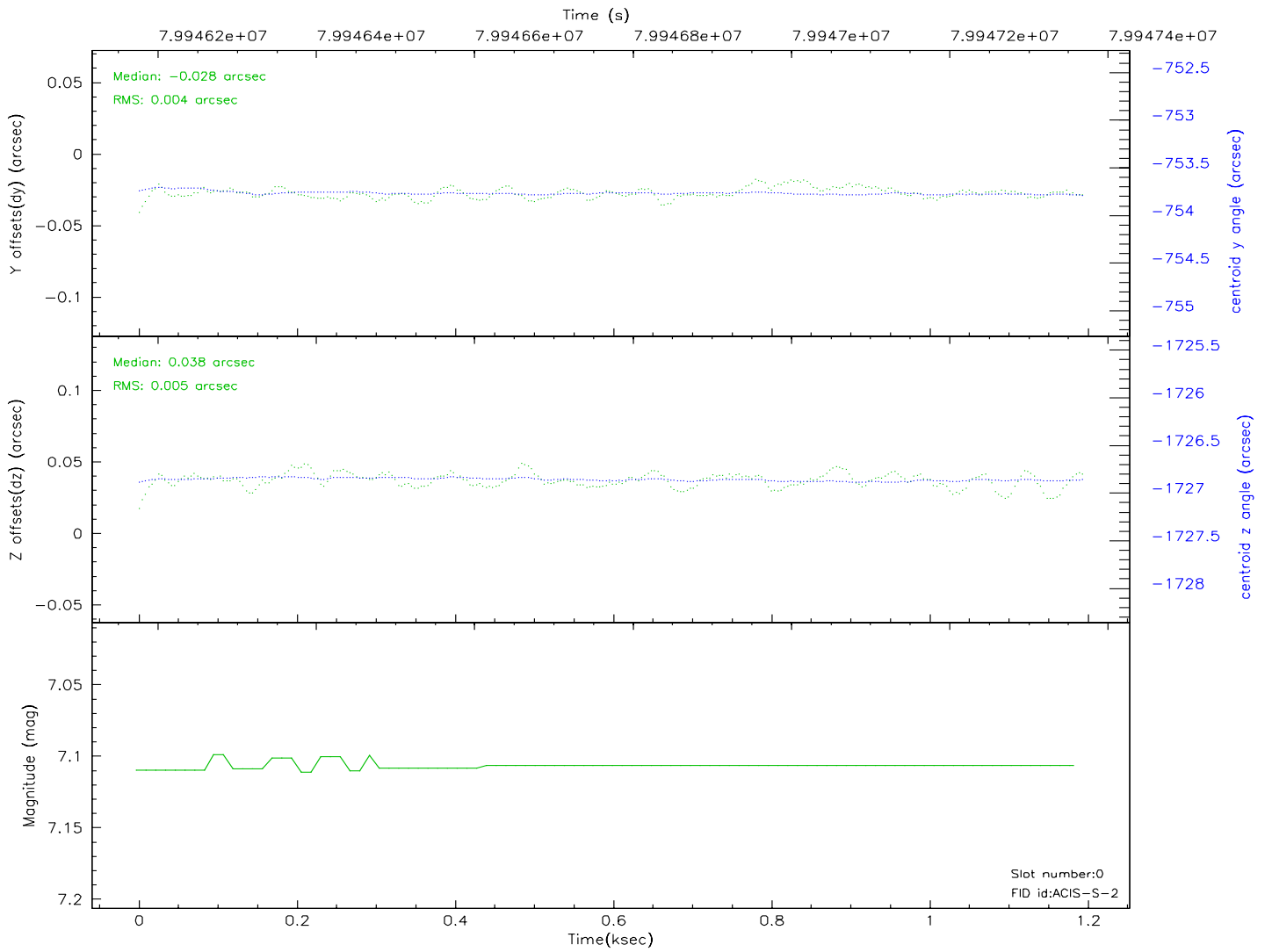
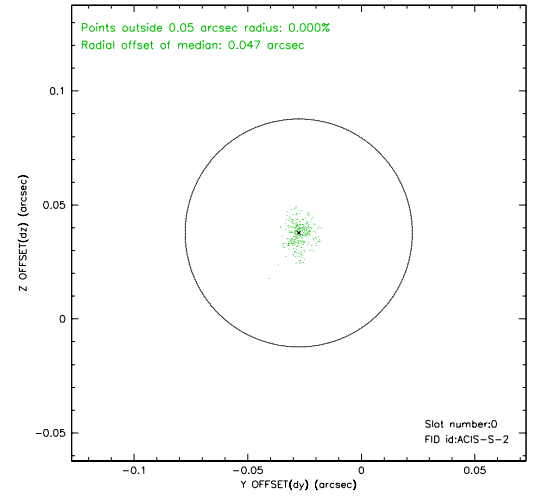
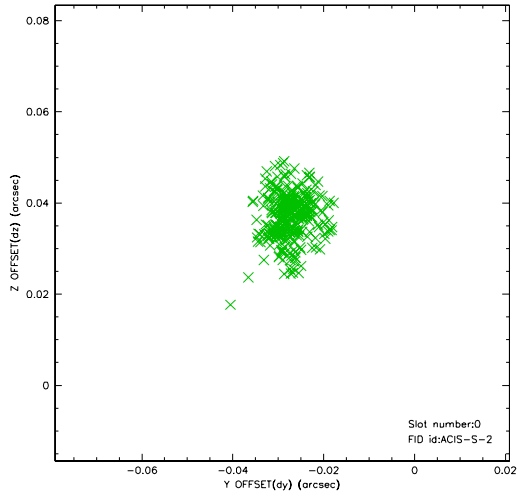


## 2.4.5 Slot 7

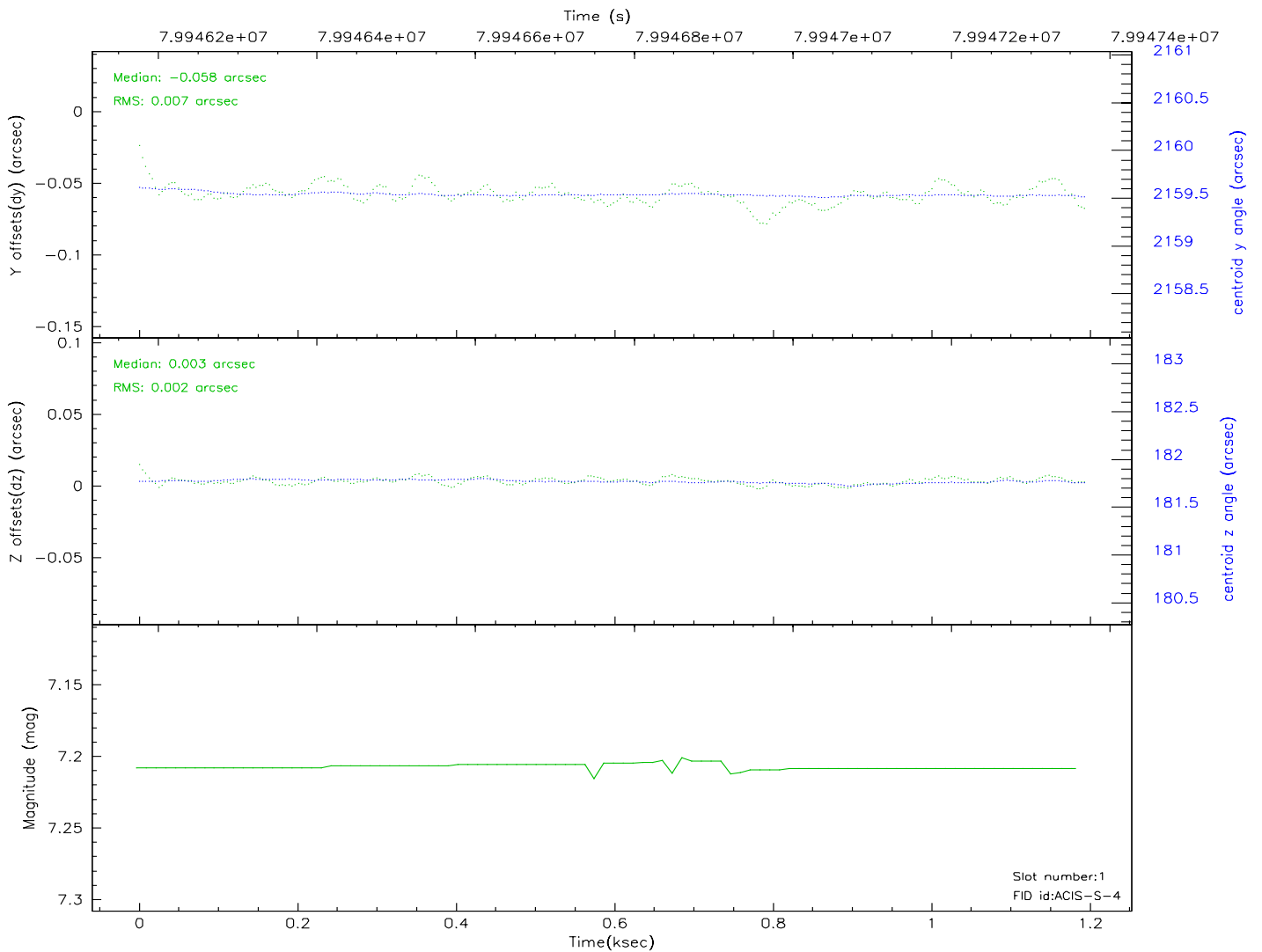
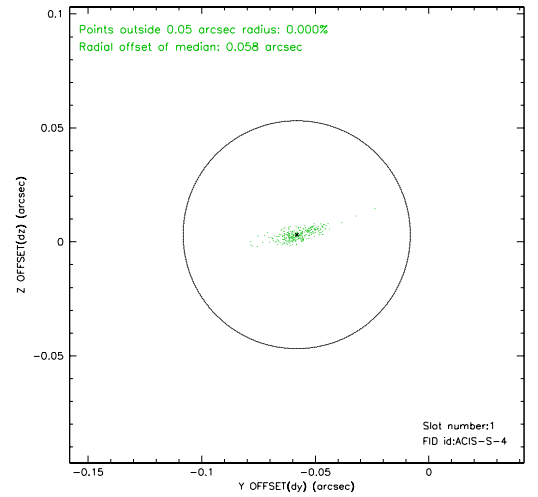
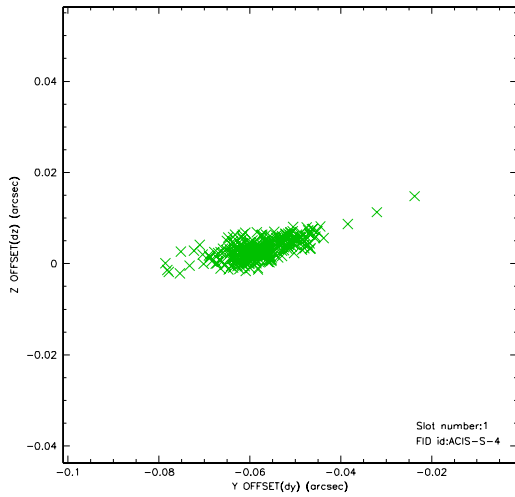


## 2.5 FID Slots

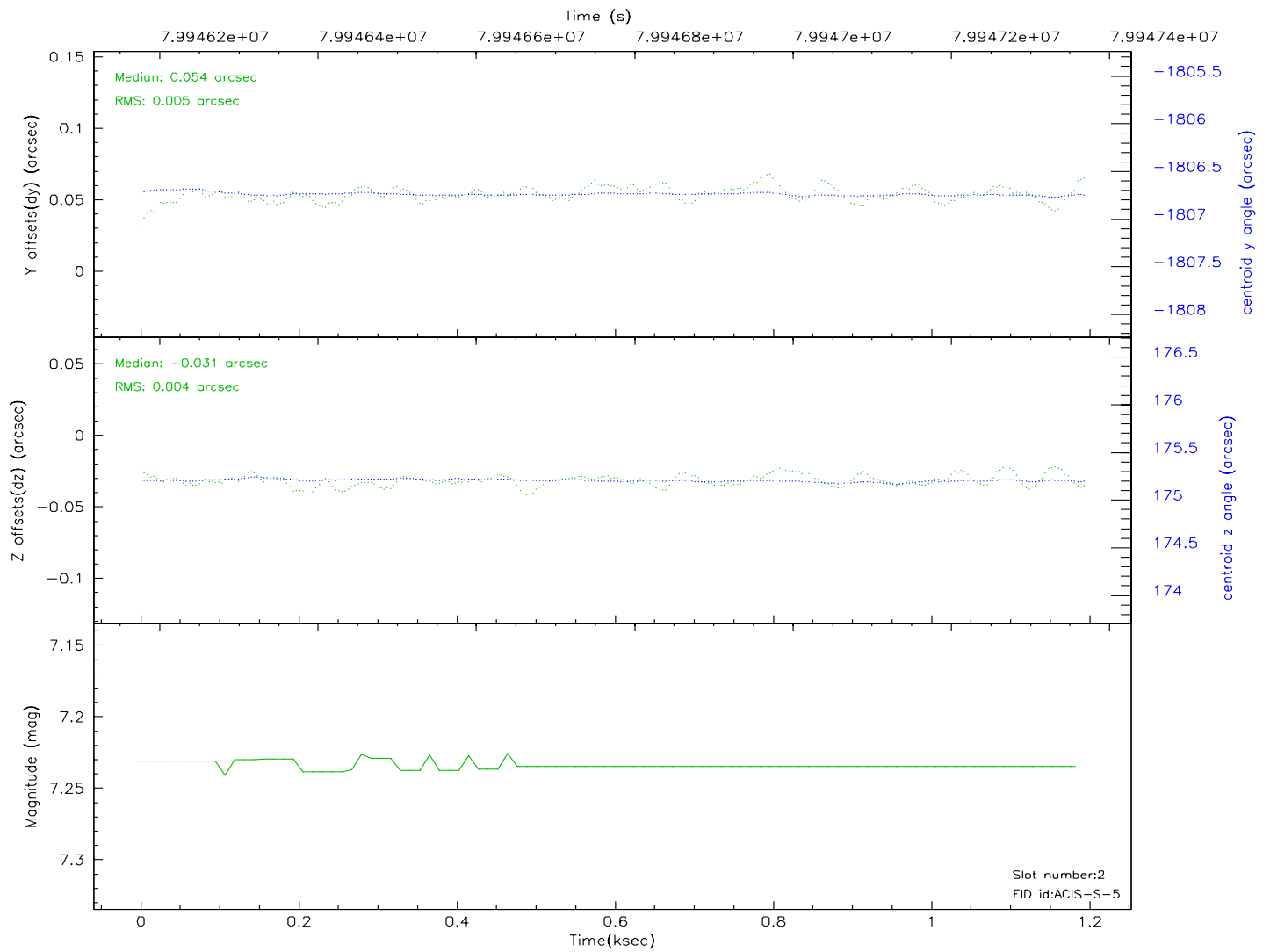
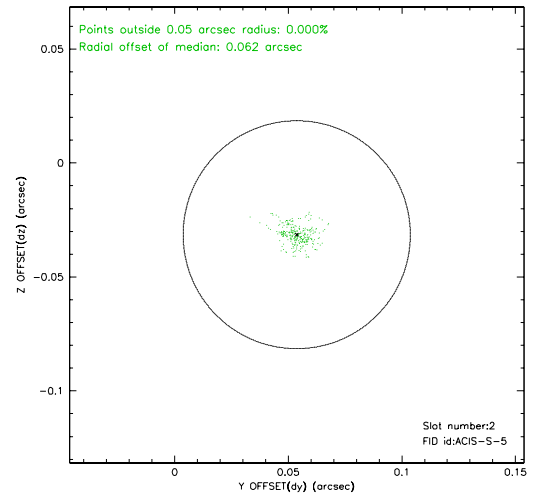
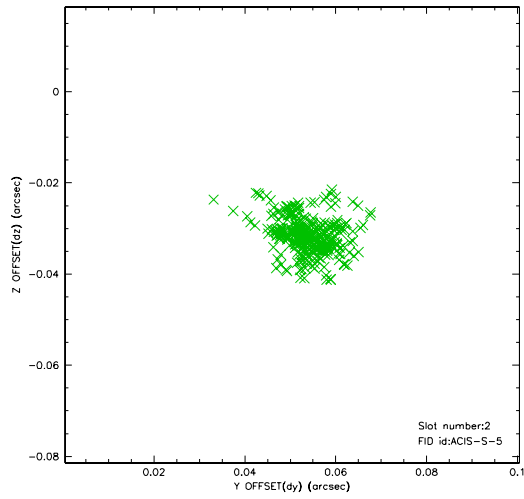
### 2.5.1 Slot 0



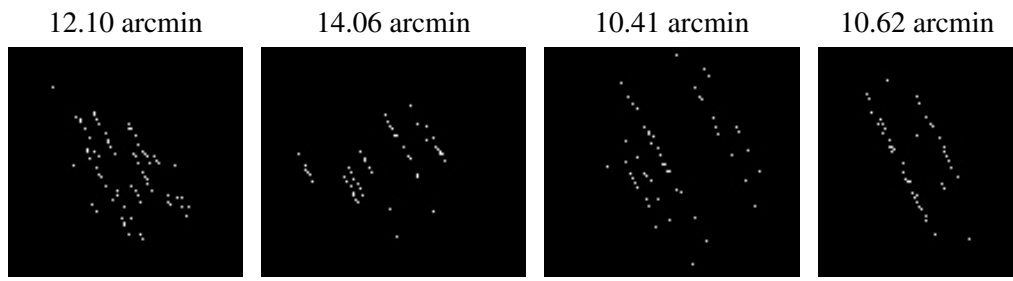
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.196

## A.2 Comments