

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4382 - L2 Version 001  
Chandra X-Ray Center

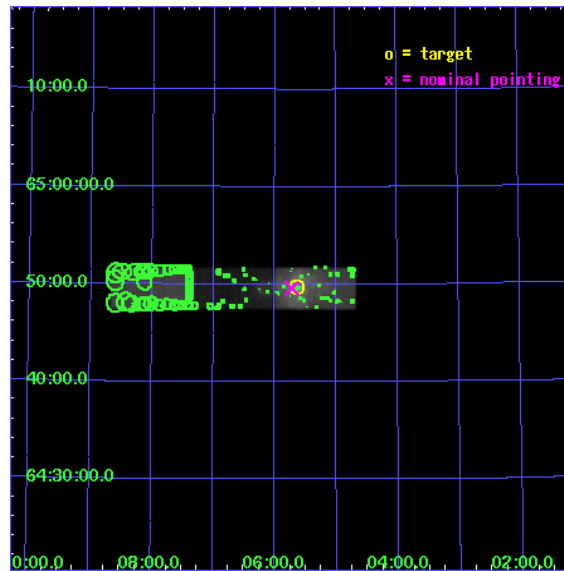
L2 Processing Date : Aug 5 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

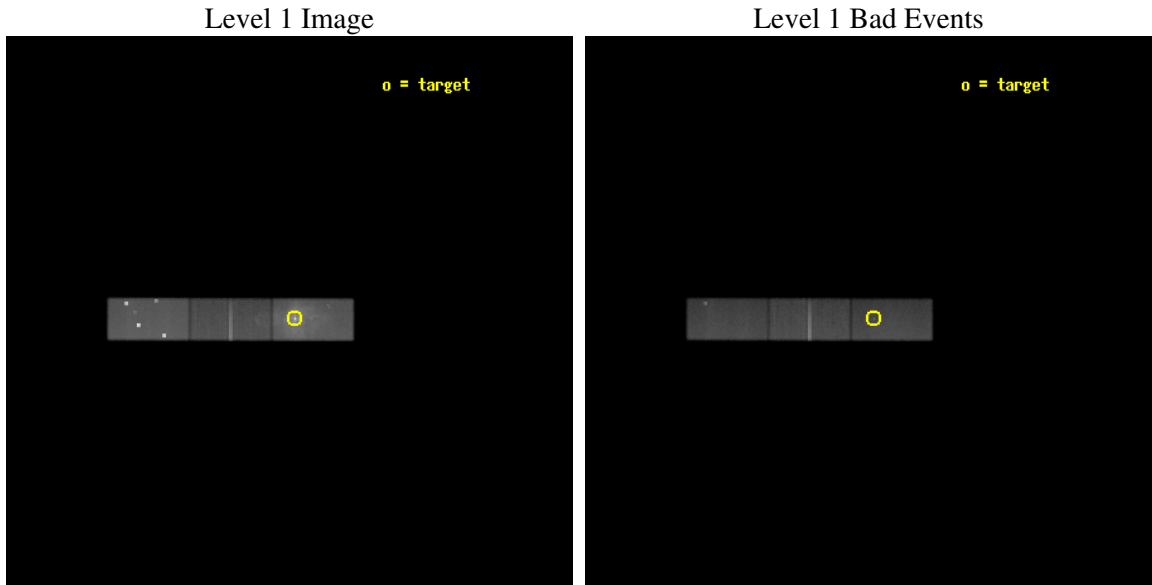
seq_num	500311
obs_id	4382
title	A DETAILED STUDY OF 3C58 - THE YOUNGEST KNOWN PULSAR NEBULA IN THE GALAXY
observer	Dr. Patrick Slane
object	3C58
dtcycle	0
cycle	P
ra_targ	31.407917
dec_targ	64.828267
ra_nom	31.430272404197
dec_nom	64.826595841703
roll_nom	0.13639241417937
revision	2
ontime	171680.94321907
livetime	167387.45499836
ontime5	171679.30220896
ontime6	171677.66118908
ontime7	171680.94321907
l2events	1170986



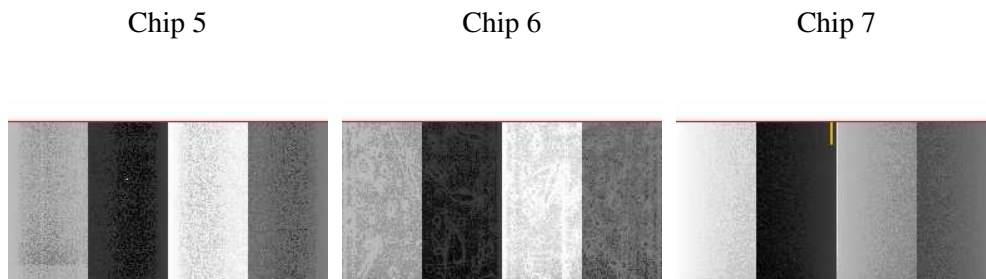
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-05T06:05:05
revision	2

sched_exp_time	171164.279000
ontime	171750.71246669
ontime5	171749.07145658
ontime6	171747.4304367
ontime7	171750.71246669
l1events	2895936

### 2.1.4 Events

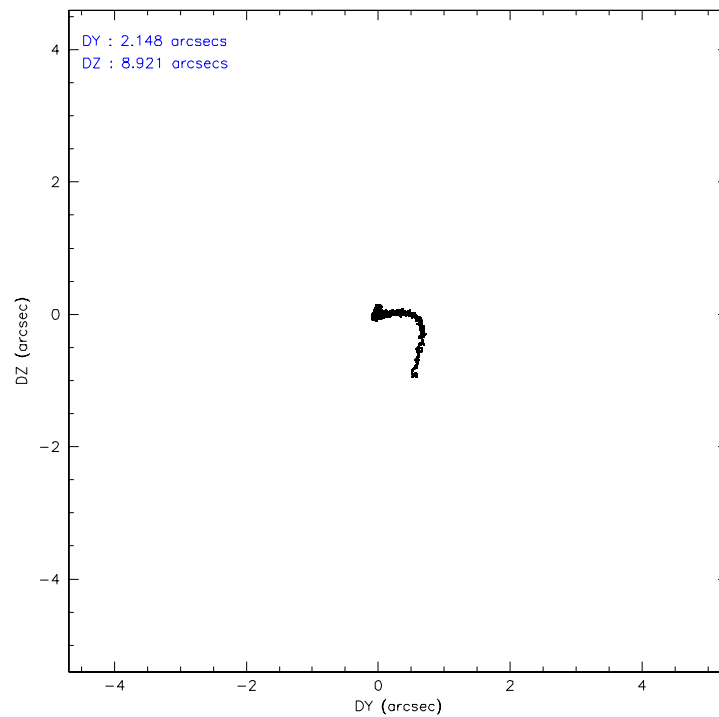
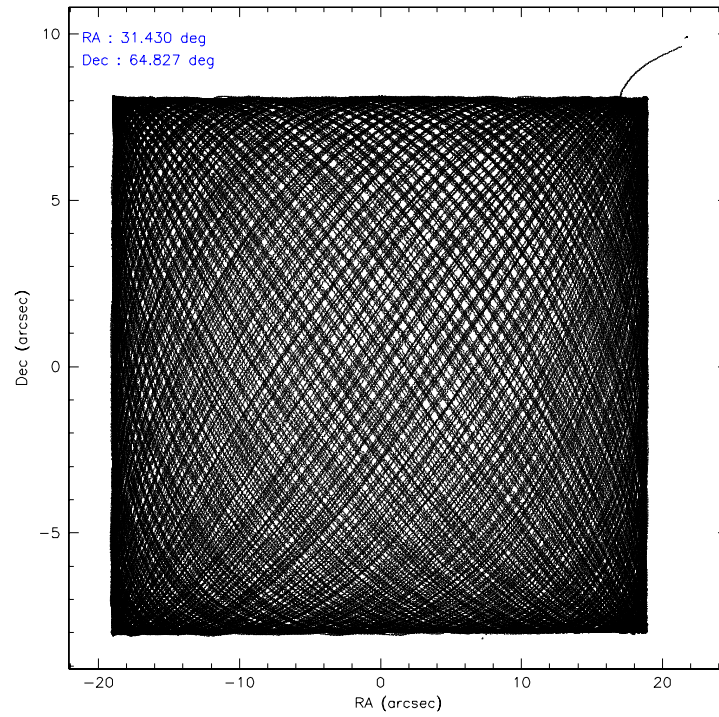
	ccd 5	ccd 6	ccd 7
level 1 events	1098772	653590	1143574
rejected events	459609	533829	455832
rejected %	41%	81%	39%

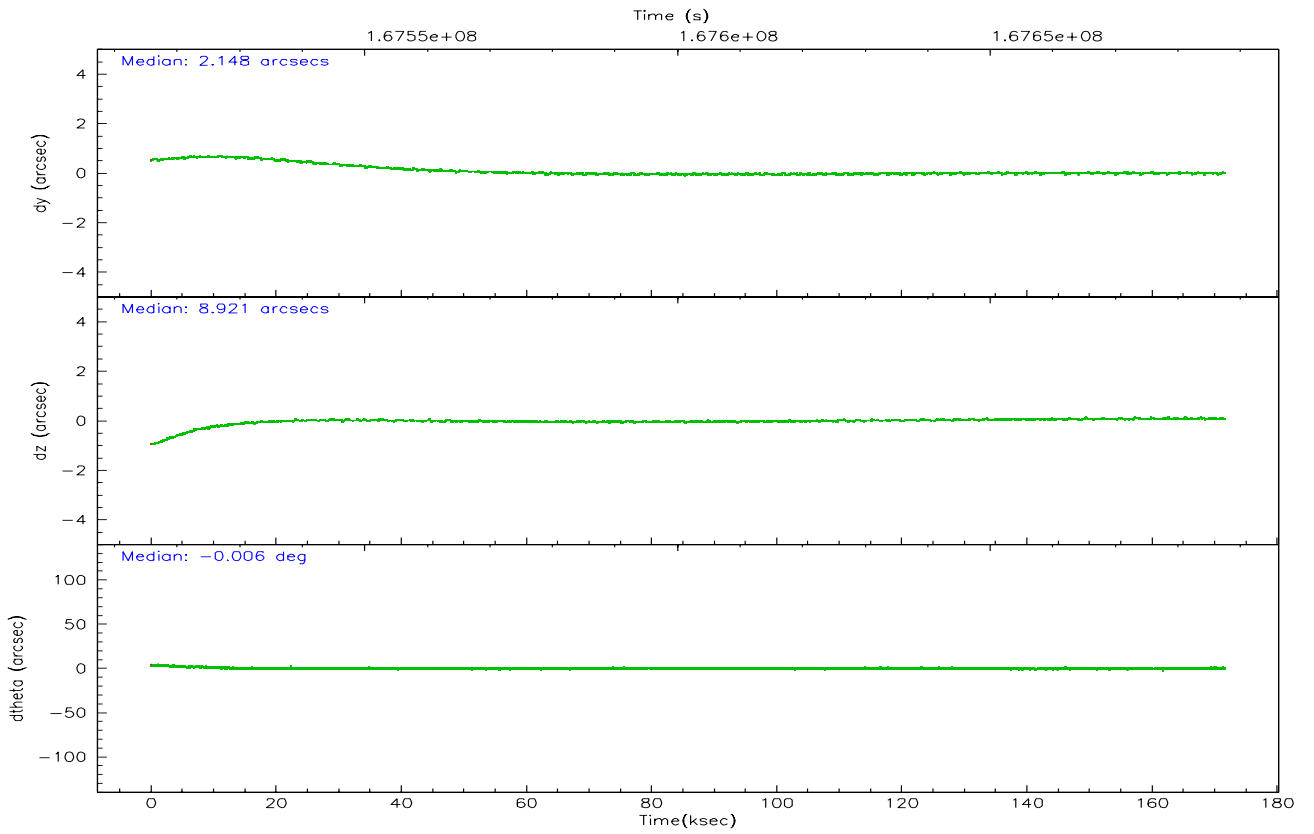
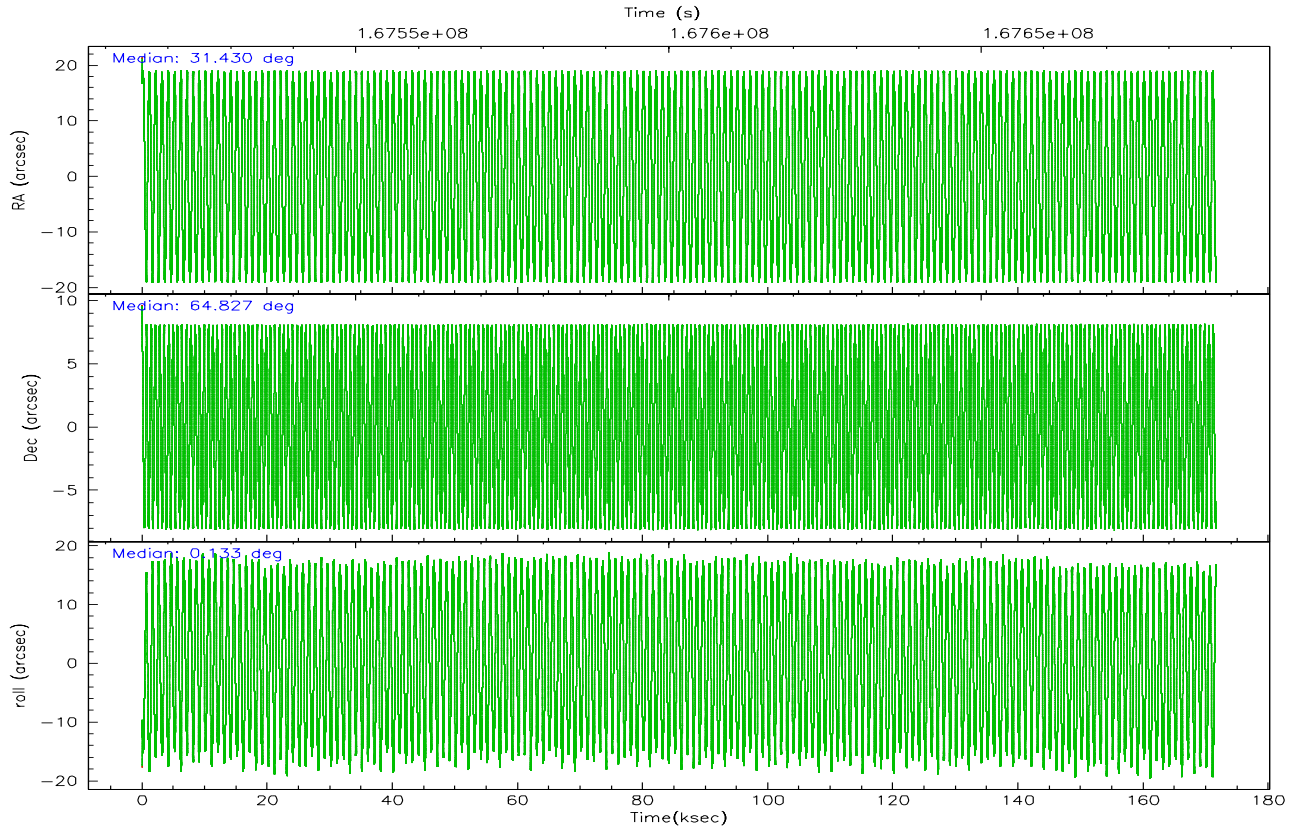
	ccd 5	ccd 6	ccd 7
grade 0 events	238112	66131	112969
	21%	10%	9%
grade 1 events	4072	313	660
	0%	0%	0%
grade 2 events	153513	18368	177096
	13%	2%	15%
grade 3 events	11557	10200	60306
	1%	1%	5%
grade 4 events	10788	9913	58675
	0%	1%	5%
grade 5 events	39620	24756	54145
	3%	3%	4%
grade 6 events	225466	15191	278989
	20%	2%	24%
grade 7 events	415644	508718	400734
	37%	77%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-567	ACIS-567	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	1/2	1/2
Pointing RA	31.375414	31.43027240419652	Subarray start row	0	257
Pointing Dec	64.812603	64.82659584170278	Subarray row count	1024	512
Pointing Roll	0.029410	0.1363924141793731	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.6
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	167516380.184000	167515238.58968			
Observation start date	2003-04-23T20:18:36	2003-04-23T20:00:38			
Observation end time	167687544.184000	167687858.84698			
Observation end date	2003-04-25T19:51:20	2003-04-25T19:57:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect



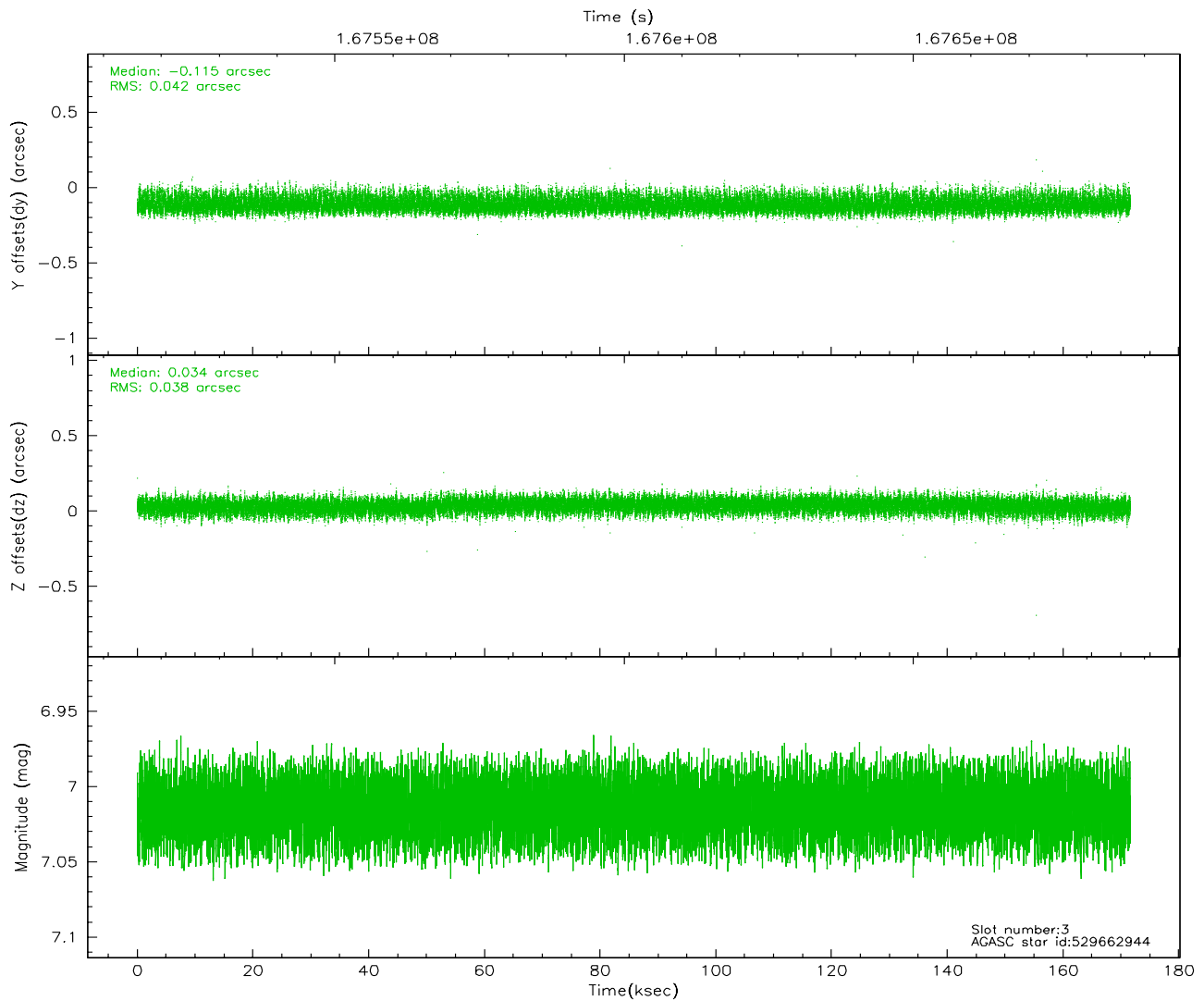
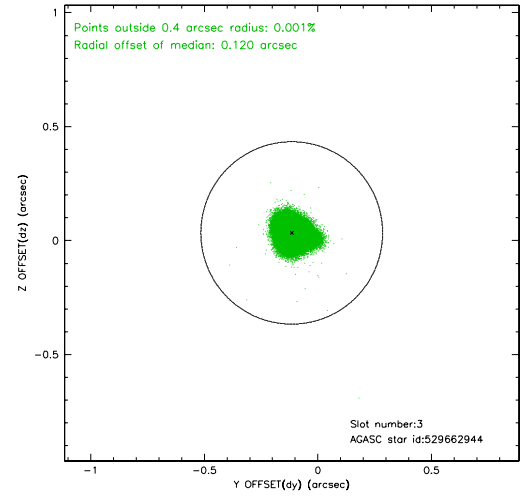
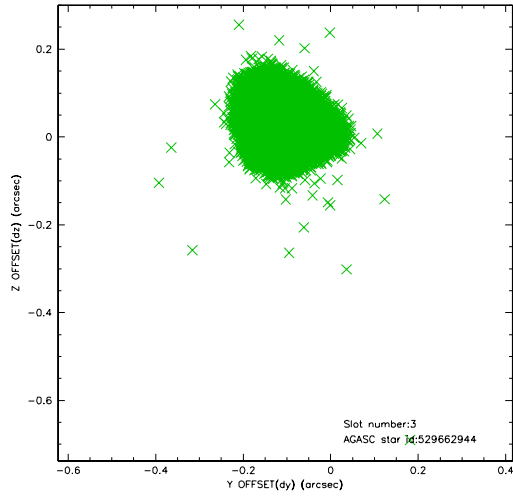


### Slot Statistics

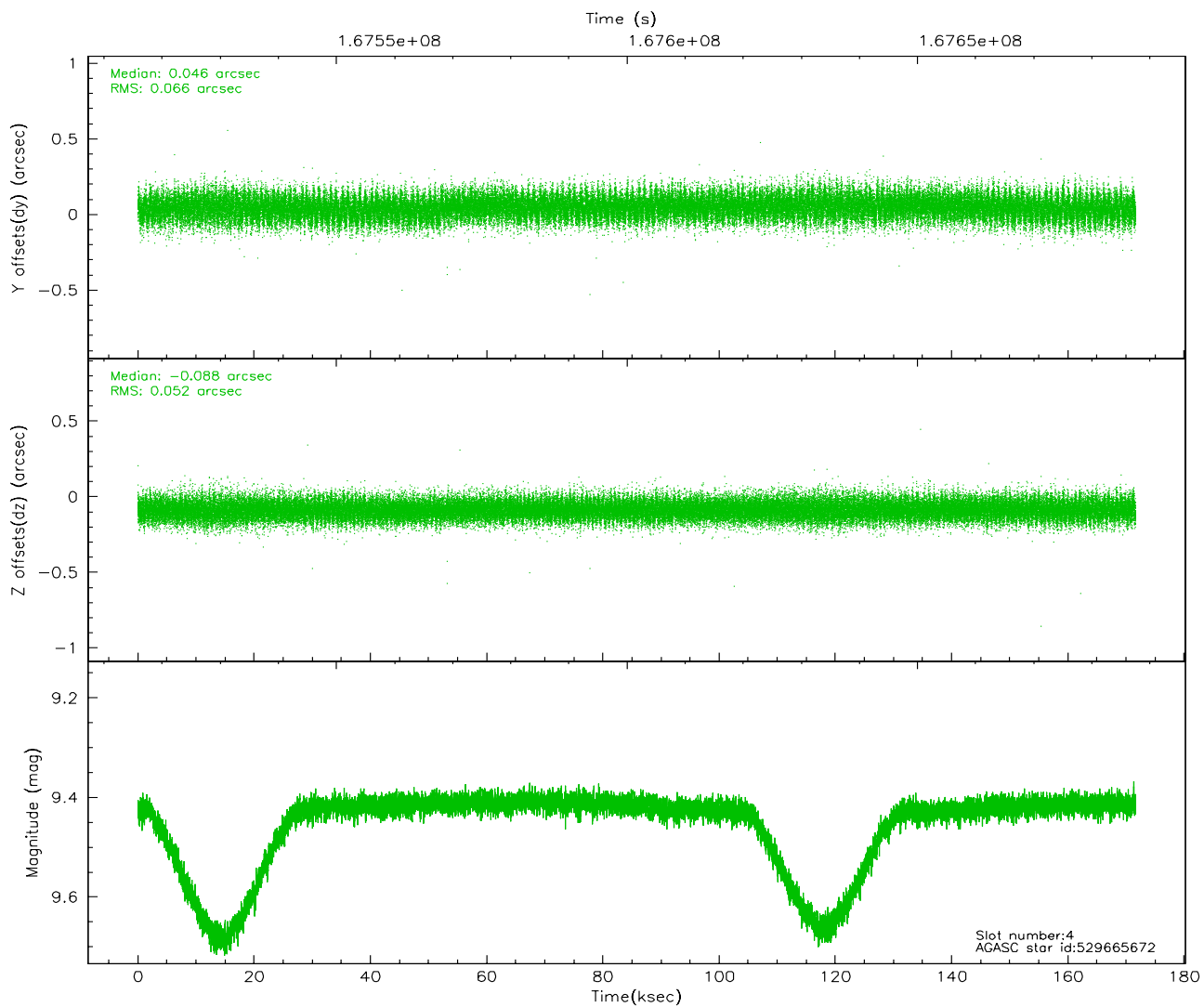
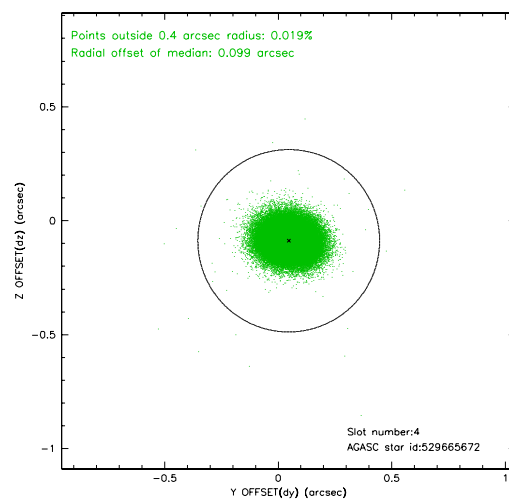
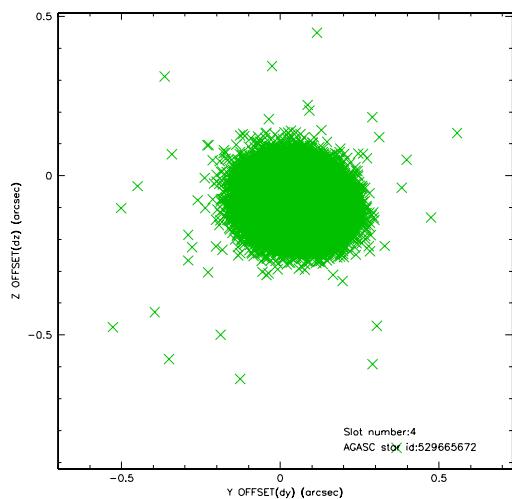
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	41868	-0.005	0.044	0.011	0.023	0.000000	0.000000	941.15	-1725.70
1	FID	ACIS-S-5	7.24	41865	0.011	0.021	0.010	0.019	0.000000	0.000000	-1807.89	171.96
2	FID	ACIS-S-6	7.35	41865	-0.028	-0.054	0.009	0.018	0.000000	0.000000	406.81	815.71
3	GUIDE	529662944	7.01	83740	-0.115	0.034	0.061	0.096	31.166392	65.103499	-316.01	1048.06
4	GUIDE	529665672	9.43	83631	0.046	-0.088	0.089	0.145	32.707839	64.829181	2040.31	80.37
5	GUIDE	529668264	9.28	83707	0.051	0.072	0.070	0.115	31.791992	64.625937	642.79	-669.98
6	GUIDE	529670336	8.53	83721	0.052	-0.026	0.062	0.100	31.583988	64.608918	322.02	-732.72
7	GUIDE	529673088	8.83	83705	-0.039	0.009	0.069	0.111	30.560791	64.638256	-1256.10	-618.81

## 2.4 Star Slots

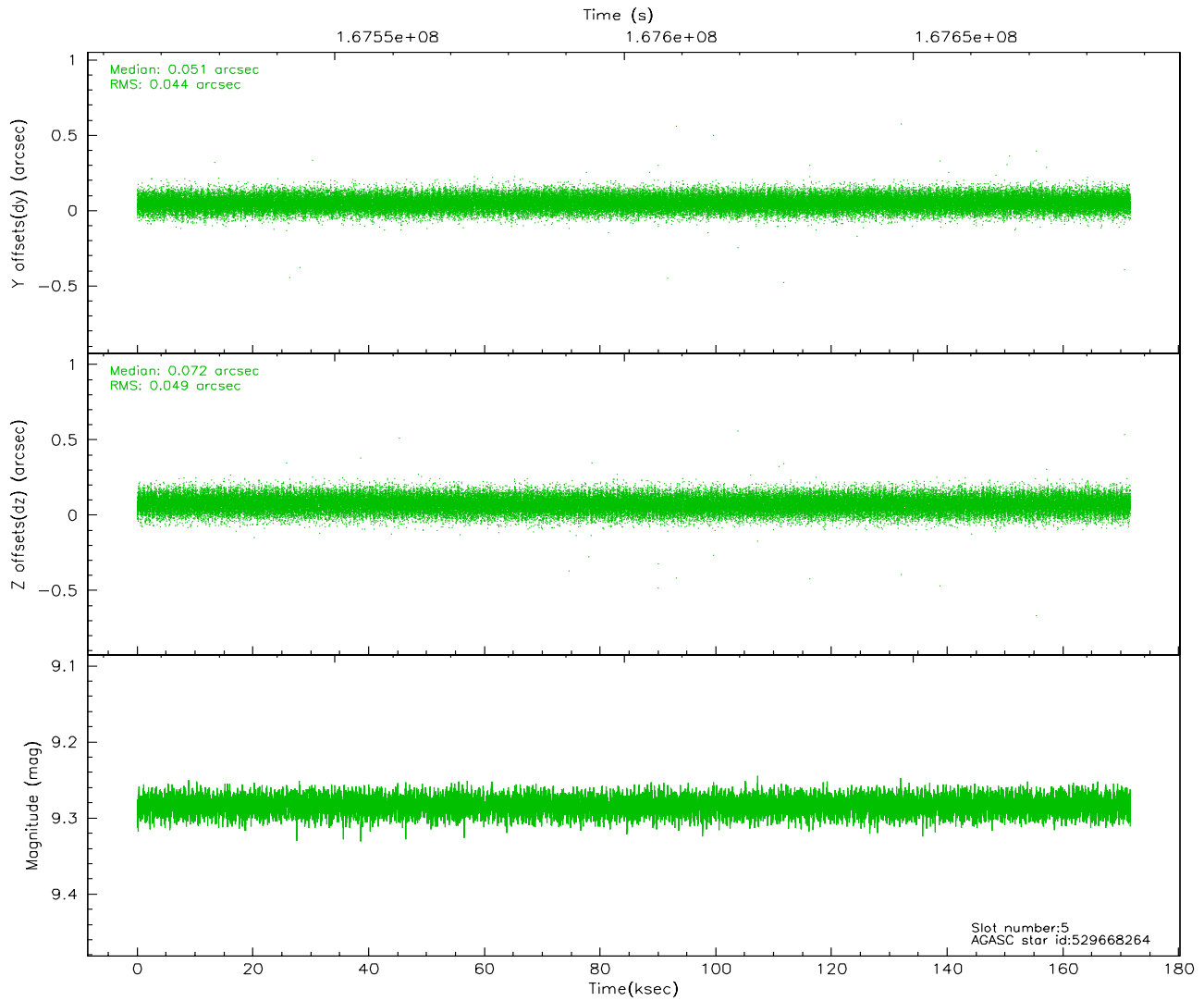
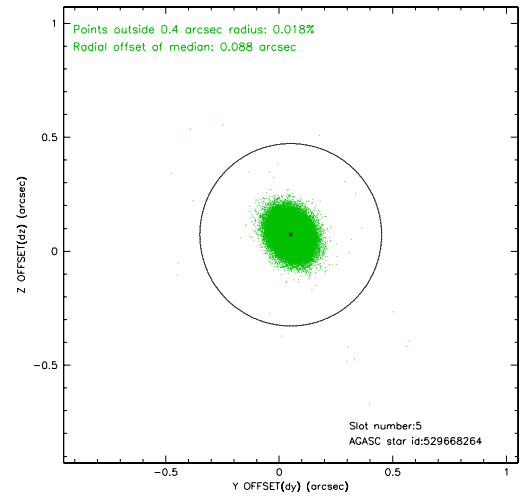
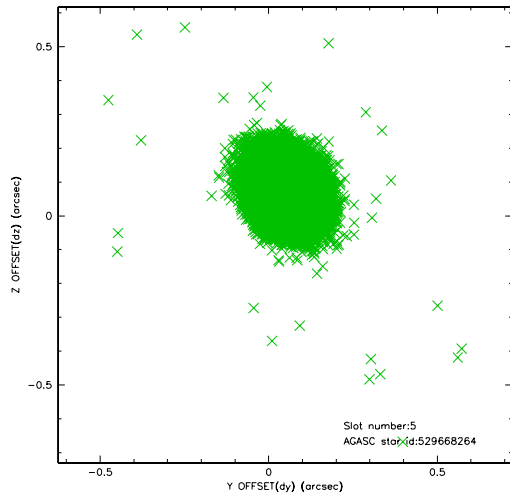
### 2.4.1 Slot 3



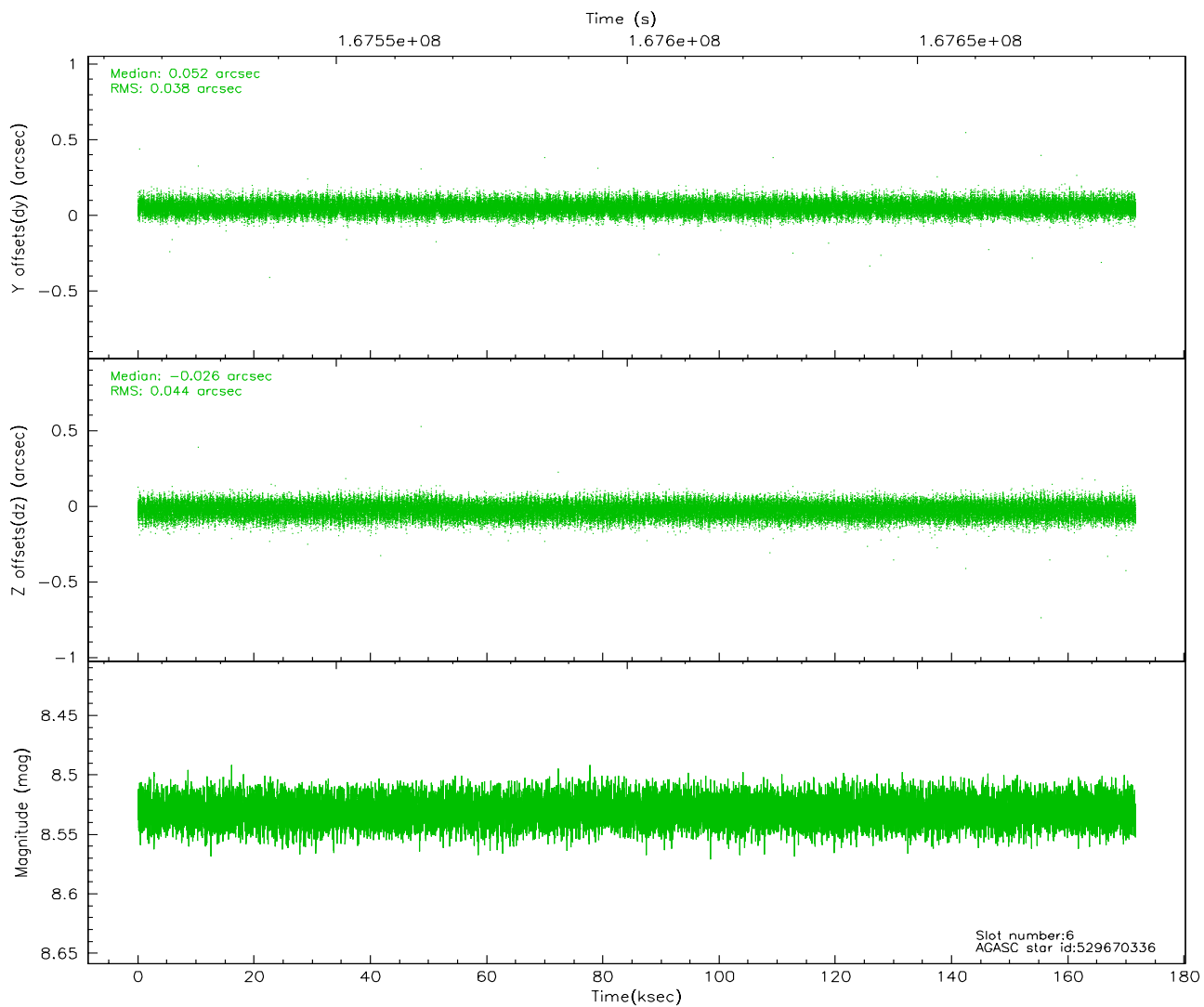
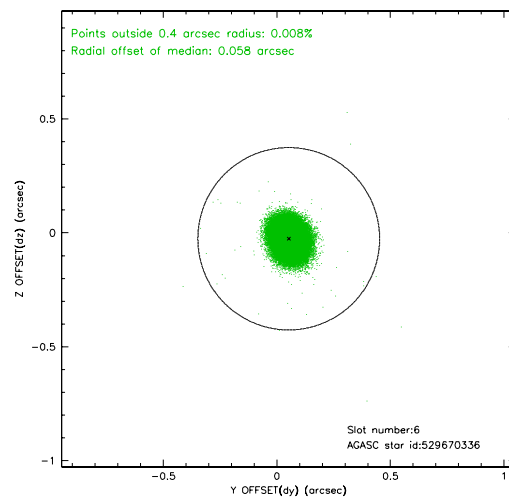
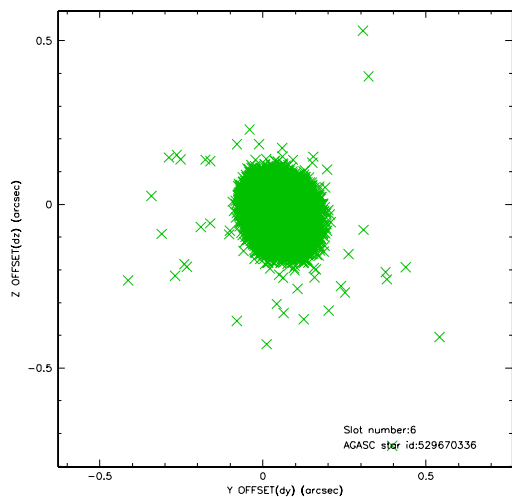
## 2.4.2 Slot 4



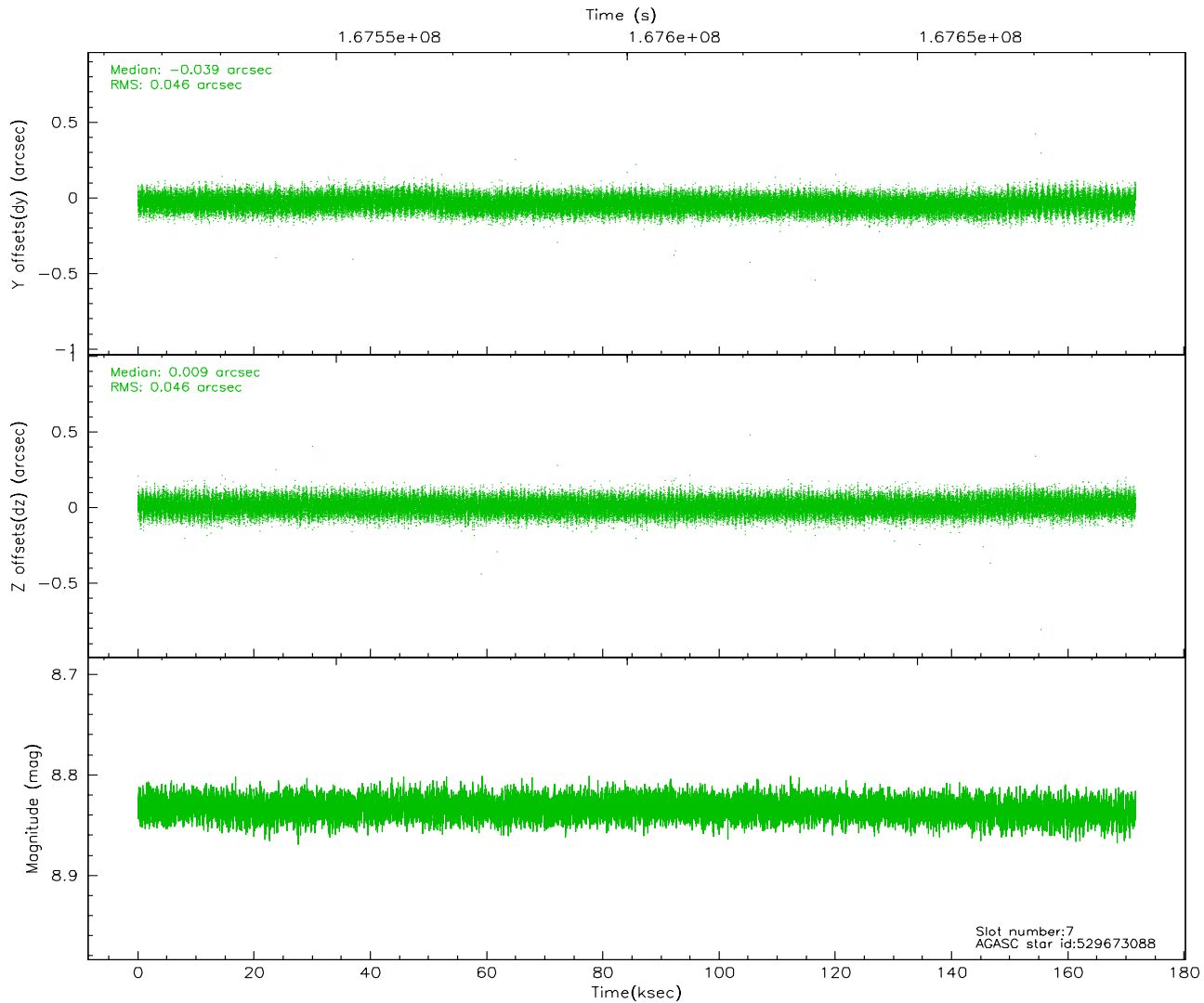
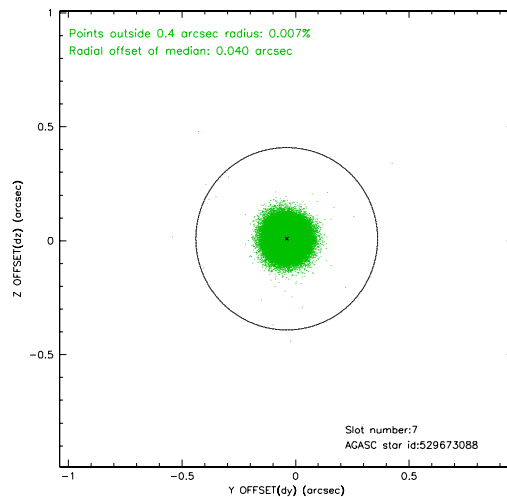
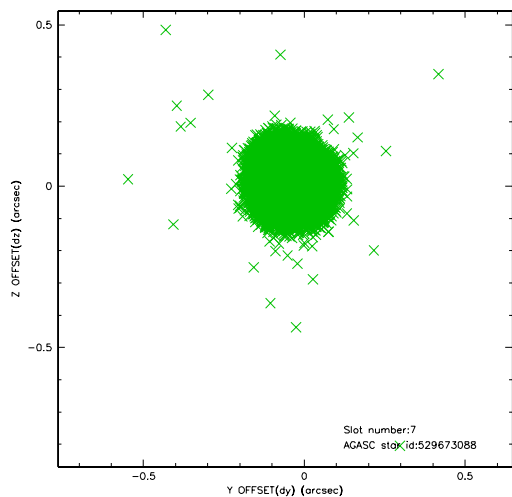
### 2.4.3 Slot 5



## 2.4.4 Slot 6

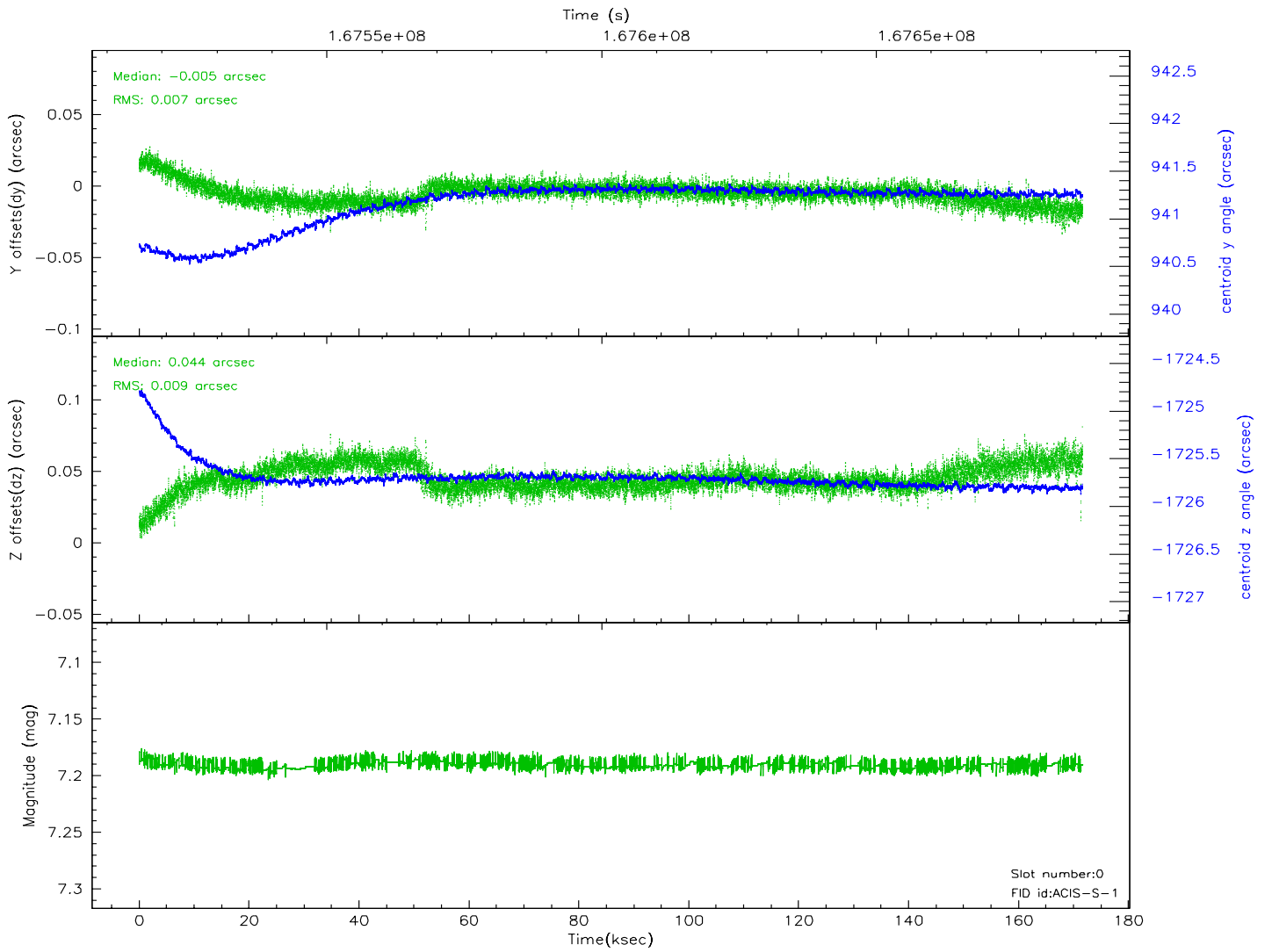
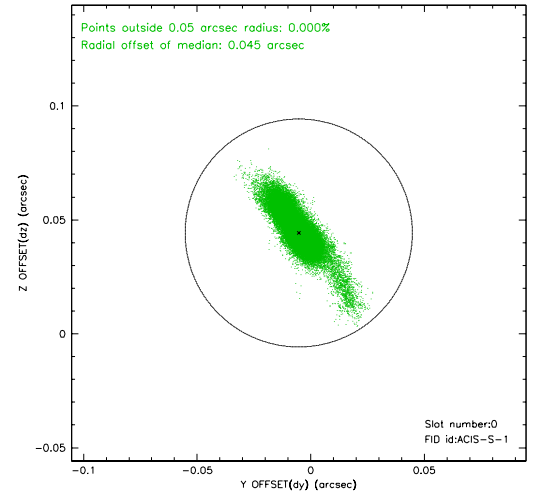
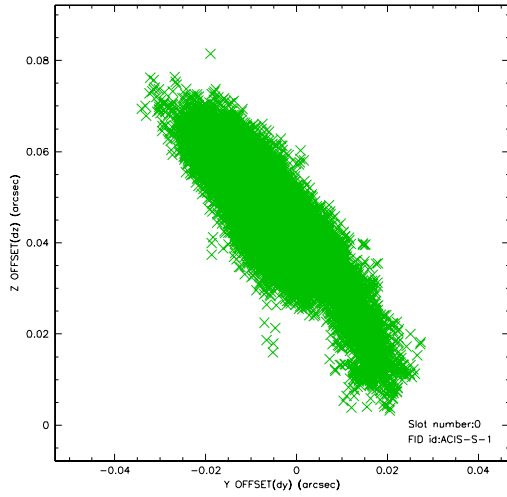


## 2.4.5 Slot 7

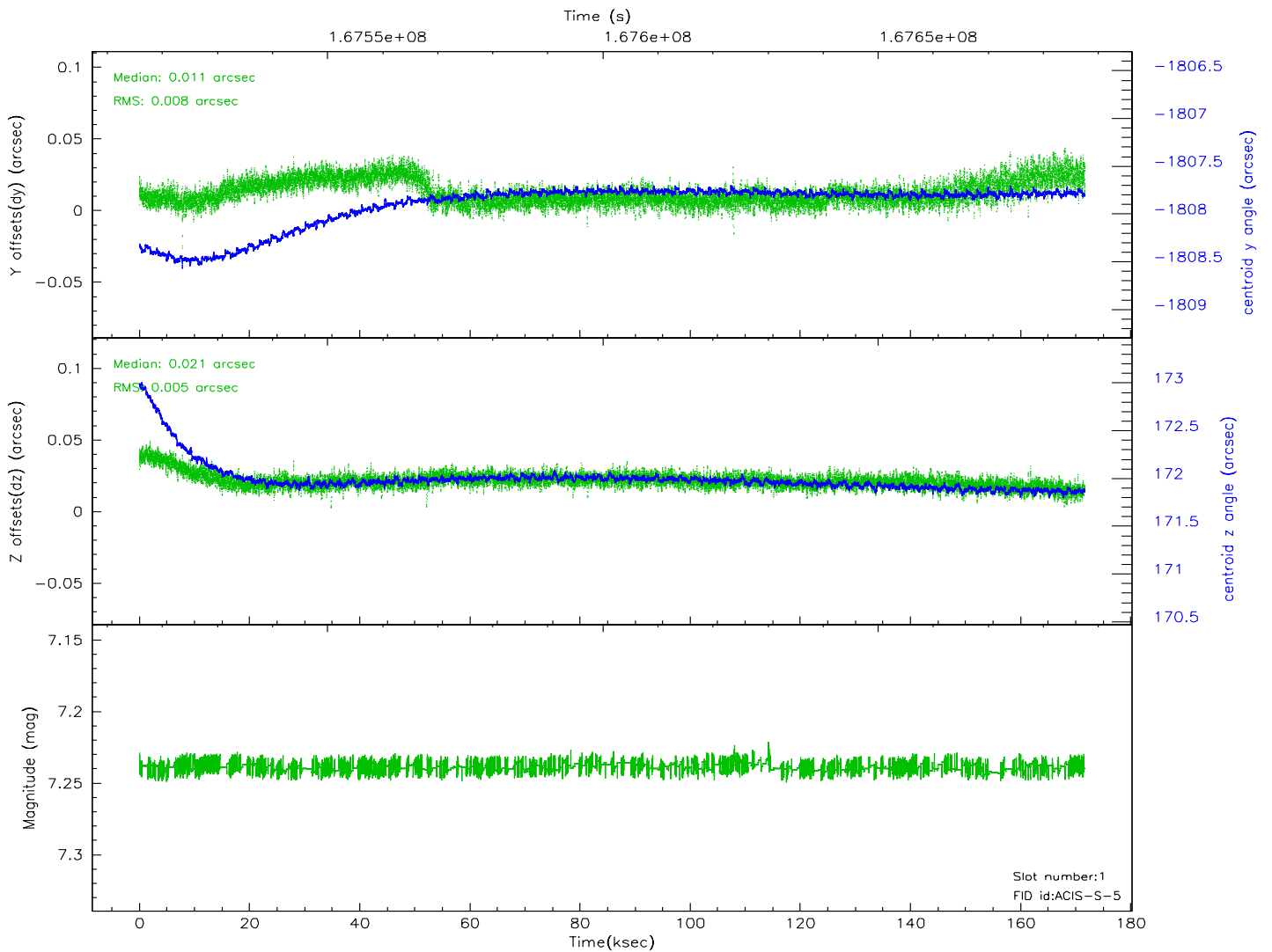
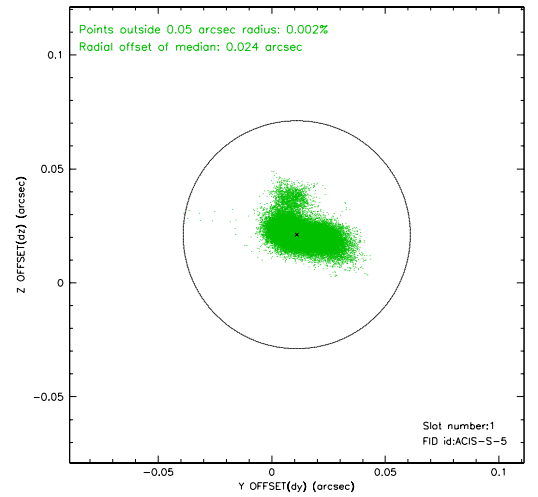
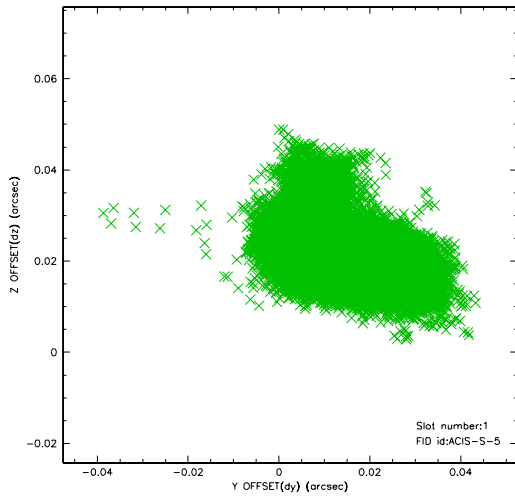


## 2.5 FID Slots

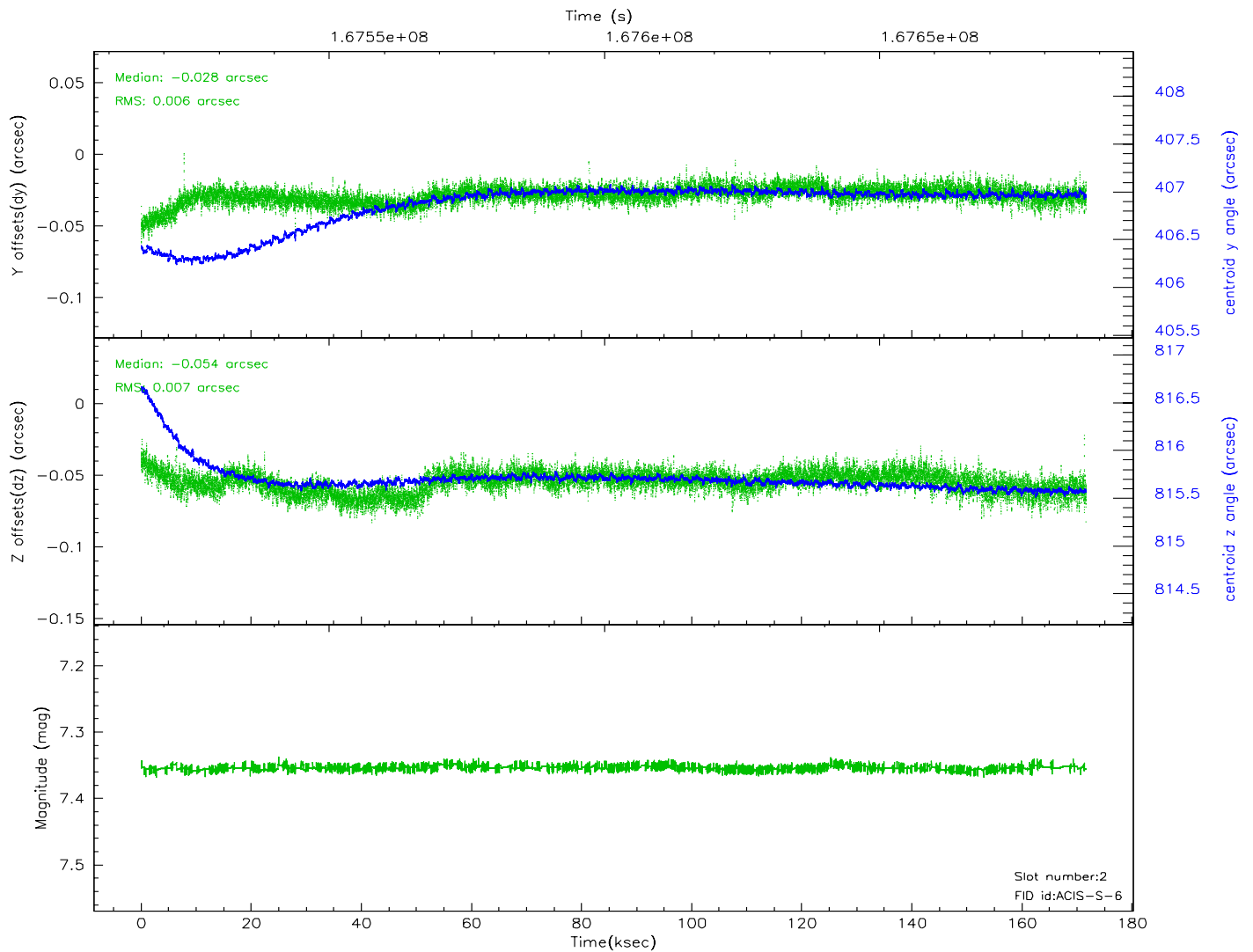
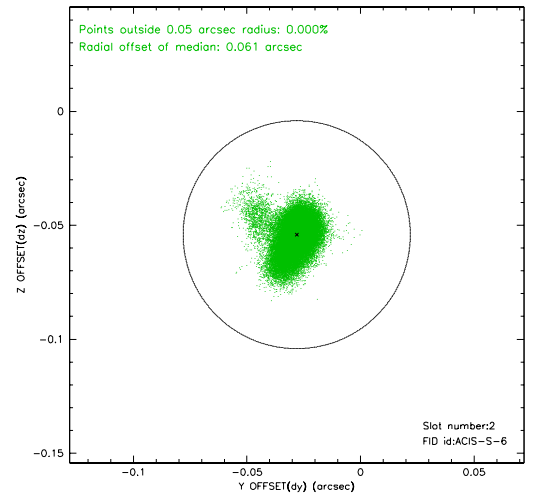
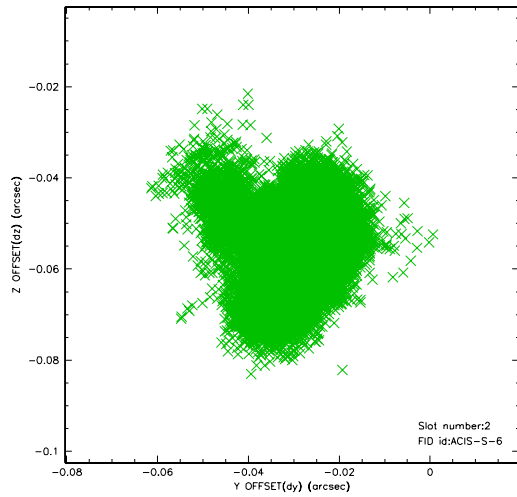
### 2.5.1 Slot 0



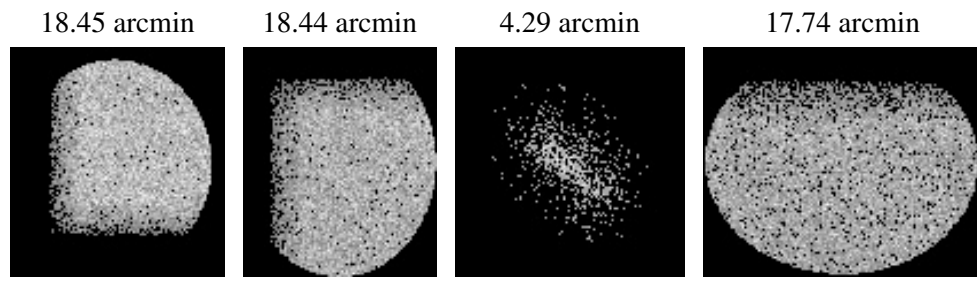
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	171.676

## A.2 Comments