

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3890 - L2 Version 001  
Chandra X-Ray Center

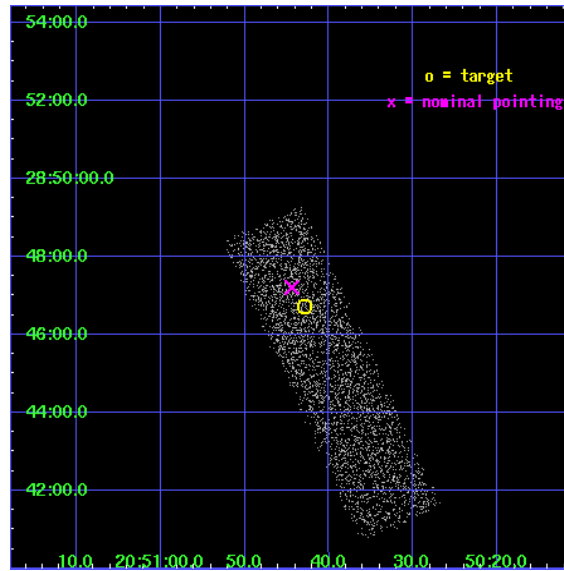
L2 Processing Date : Jul 25 2006

## 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

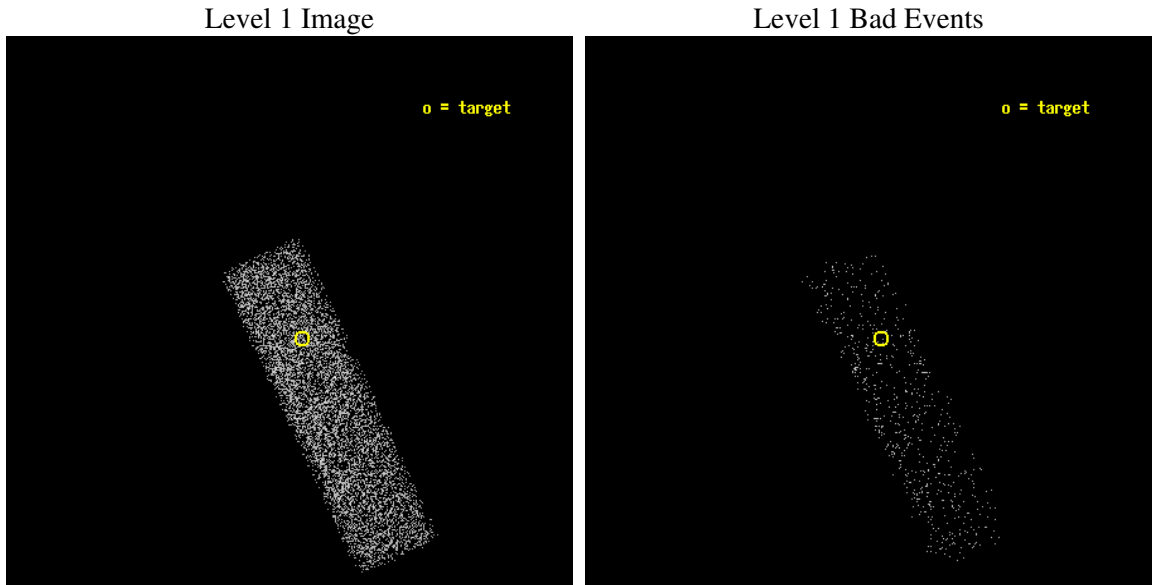
seq_num	500369
obs_id	3890
title	COMPLETING THE CENSUS OF COMPACT OBJECTS IN SUPERNOVA REMNANTS
observer	Dr David Kaplan
object	RX J205042.9+284643
dtcycle	0
cycle	P
ra_targ	312.67875
dec_targ	28.77875
ra_nom	312.68511671757
dec_nom	28.786790582714
roll_nom	64.819073946082
revision	2
ontime	3860.0000575185
livetime	3671.6446851693
ontime7	3860.0000575185
l2events	4043



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-25T10:02:32
revision	2

sched_exp_time	3030.232000
ontime	3861.1653727293
ontime7	3861.1653727293
l1events	8915

### 2.1.4 Events

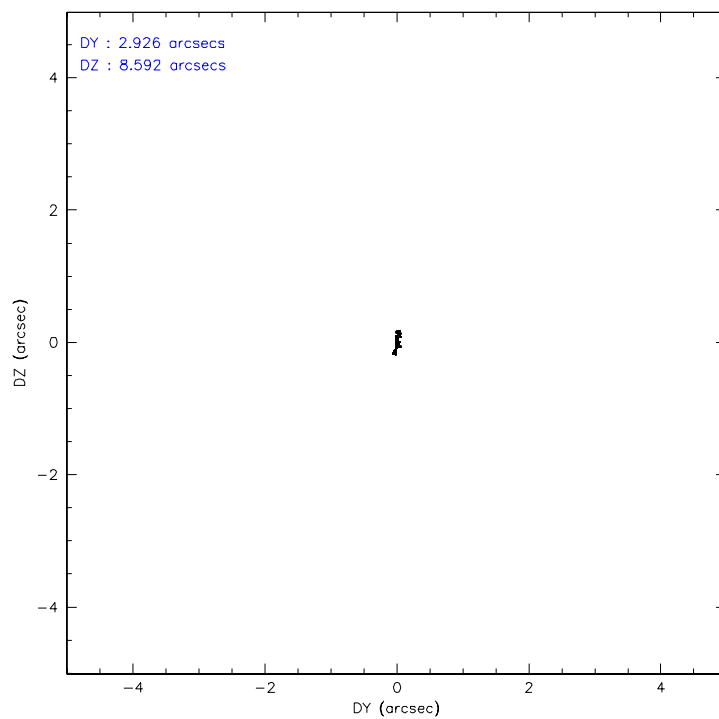
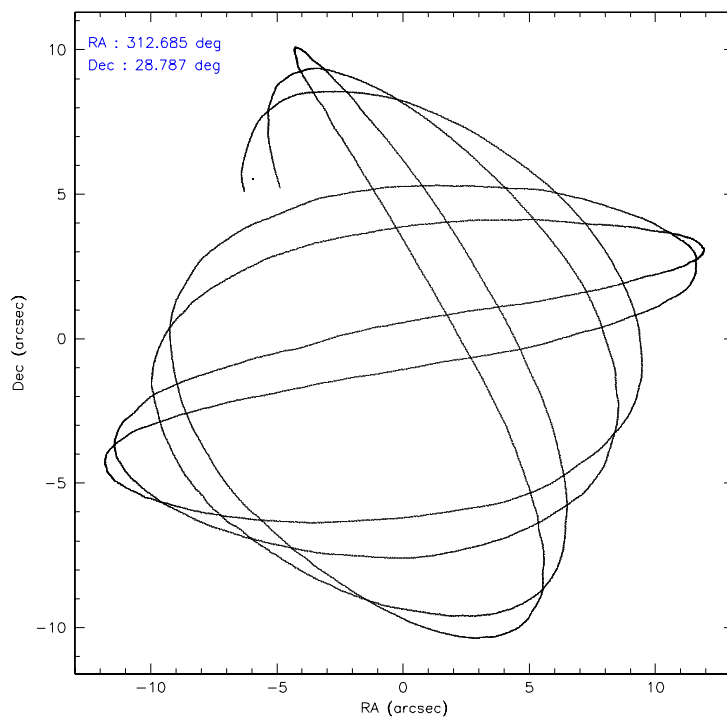
	<b>ccd 7</b>
level 1 events	8915
rejected events	4723
rejected %	52%

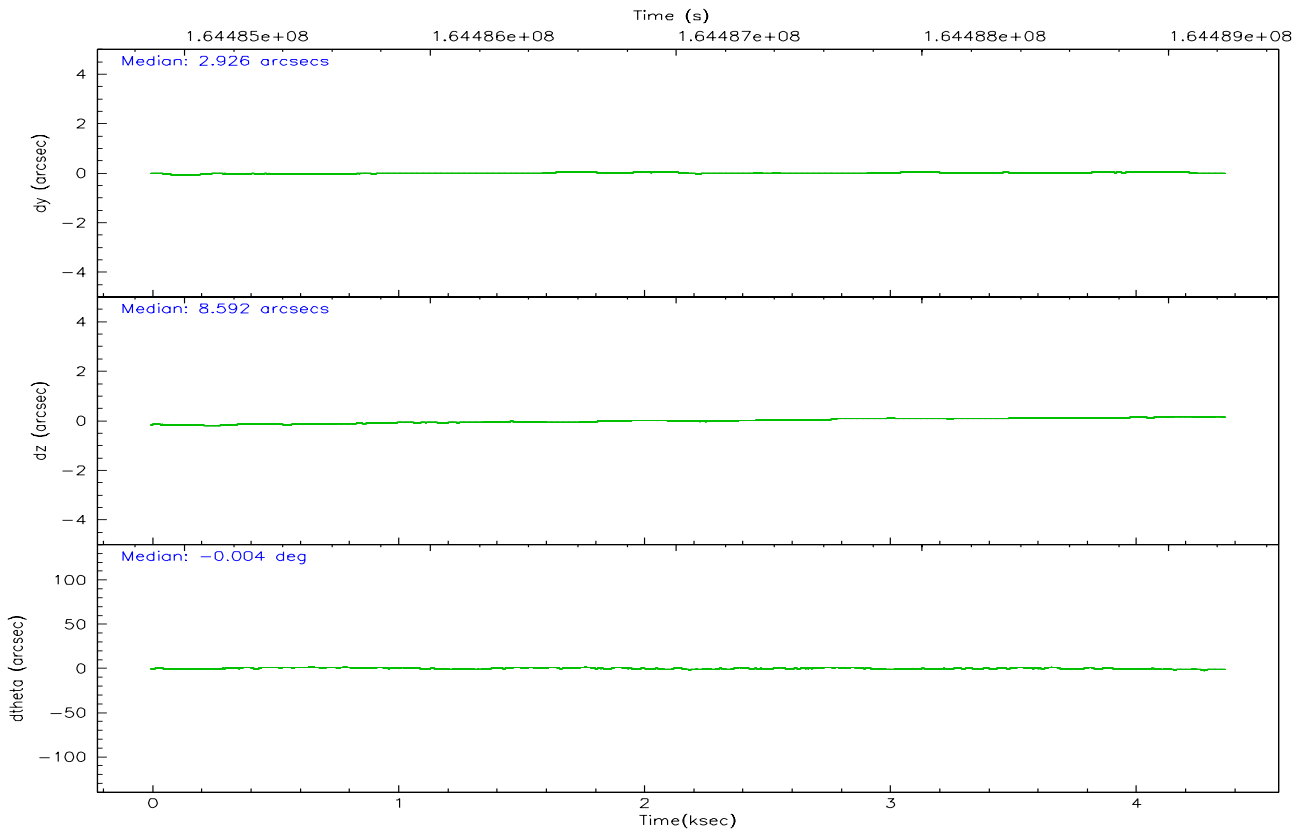
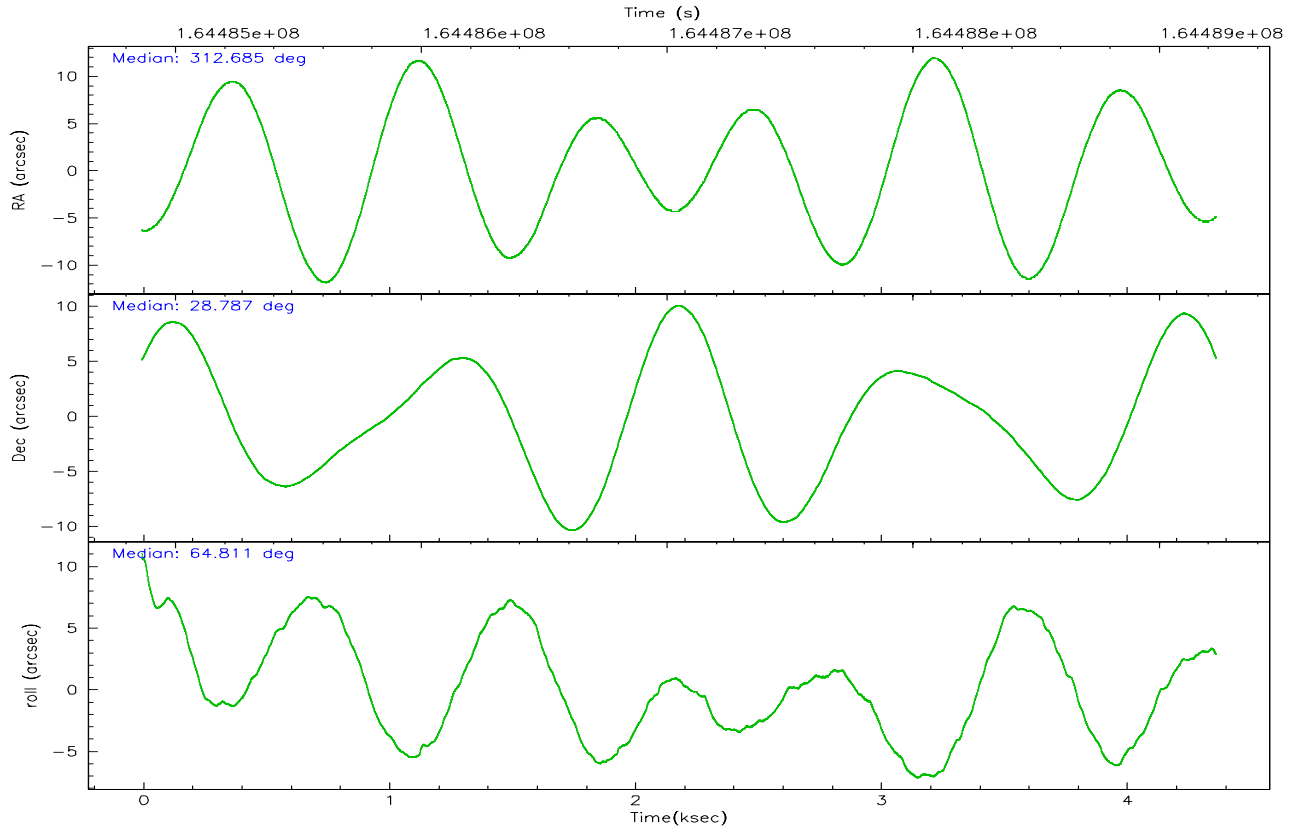
	<b>ccd 7</b>
grade 0 events	592
	6%
grade 1 events	8
	0%
grade 2 events	1011
	11%
grade 3 events	368
	4%
grade 4 events	328
	3%
grade 5 events	624
	6%
grade 6 events	1894
	21%
grade 7 events	4090
	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/4	1/4
Pointing RA	312.688150	312.6851167175682	Subarray start row	0	385
Pointing Dec	28.759539	28.7867905827135	Subarray row count	1024	256
Pointing Roll	64.661000	64.81907394608183	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.8
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	164486194.184000	164484655.29926			
Observation start date	2003-03-19T18:35:30	2003-03-19T18:10:55			
Observation end time	164489224.184000	164489538.91197			
Observation end date	2003-03-19T19:26:00	2003-03-19T19:32:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect



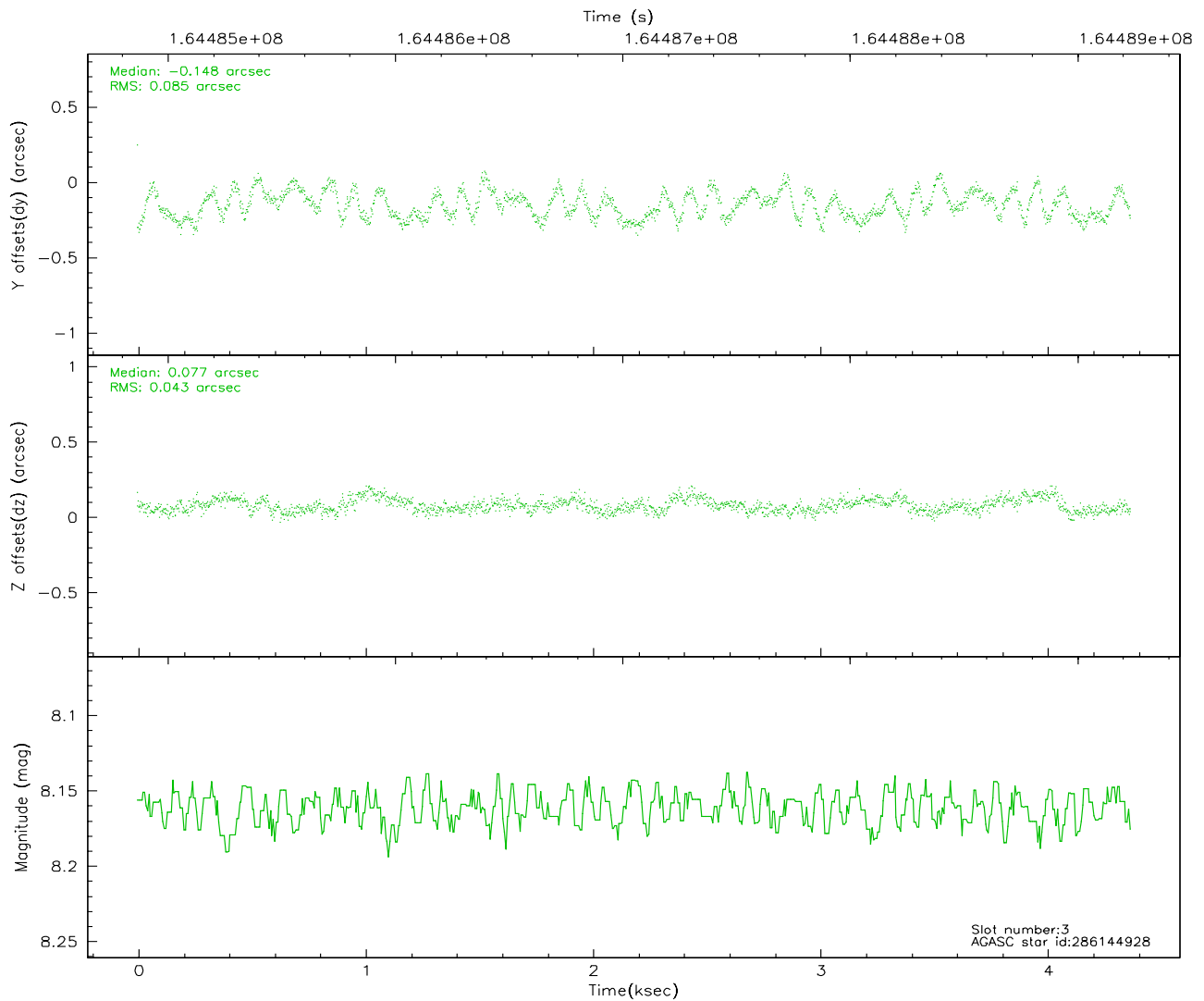
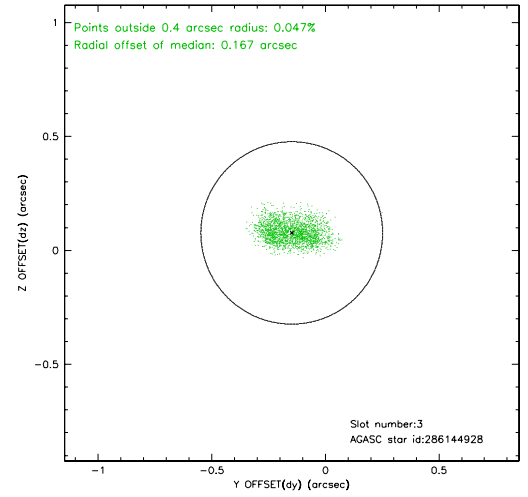
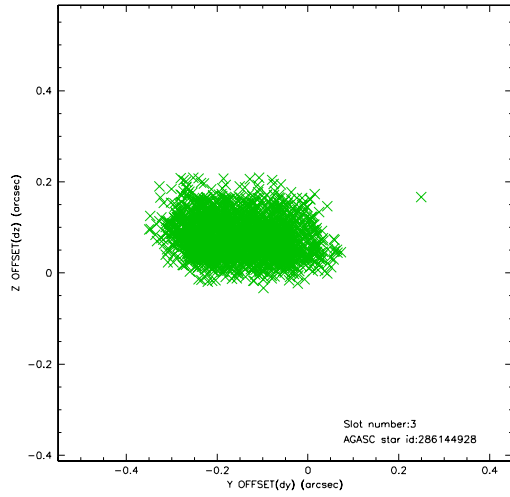


### Slot Statistics

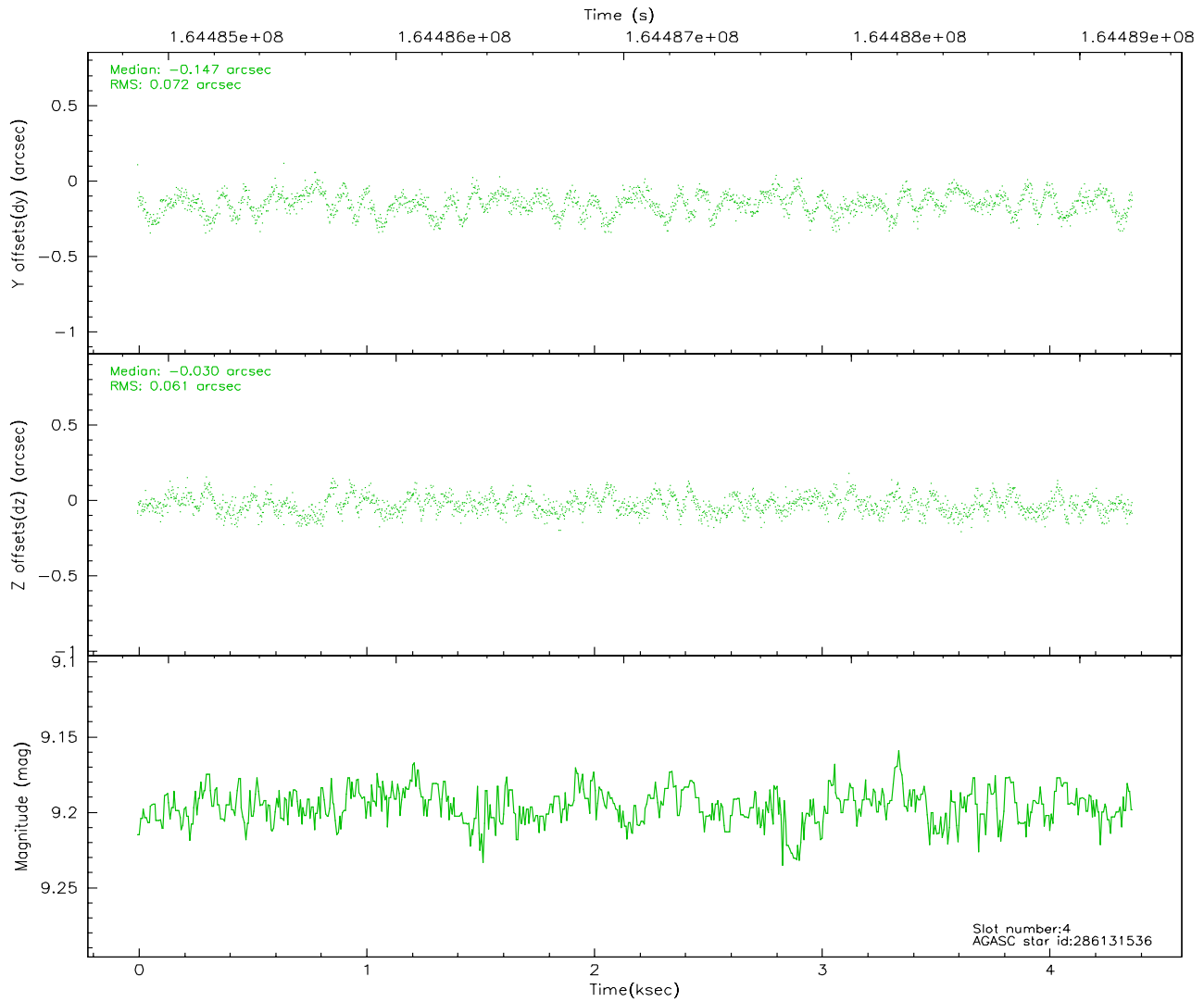
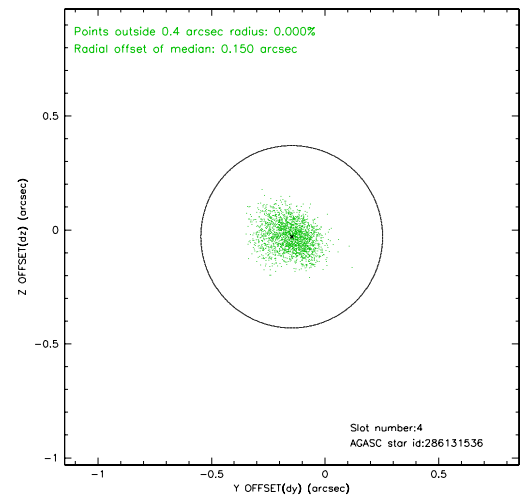
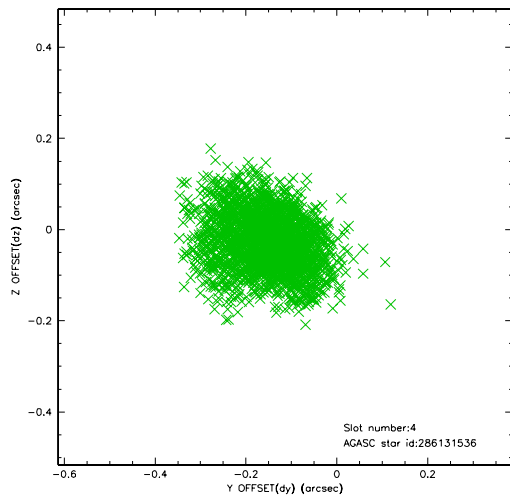
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1066	0.000	0.022	0.008	0.014	0.000000	0.000000	-755.56	-1729.78
1	FID	ACIS-S-4	7.20	1066	-0.018	0.009	0.010	0.015	0.000000	0.000000	2157.05	177.24
2	FID	ACIS-S-6	7.35	1066	-0.010	-0.024	0.012	0.019	0.000000	0.000000	408.22	816.20
3	GUIDE	286144928	8.16	2130	-0.148	0.077	0.104	0.161	313.576433	28.981434	1928.47	-2181.54
4	GUIDE	286131536	9.20	2131	-0.147	-0.030	0.101	0.162	312.205001	29.193835	766.17	2041.89
5	GUIDE	286146672	10.07	2129	0.135	-0.127	0.122	0.198	312.269564	28.790811	-461.36	1243.59
6	GUIDE	286142640	9.59	2132	0.088	-0.079	0.099	0.177	312.518246	28.485960	-1120.36	64.97
7	GUIDE	286150640	9.41	2128	0.078	0.154	0.098	0.157	312.877442	28.300898	-1235.68	-1248.64

## 2.4 Star Slots

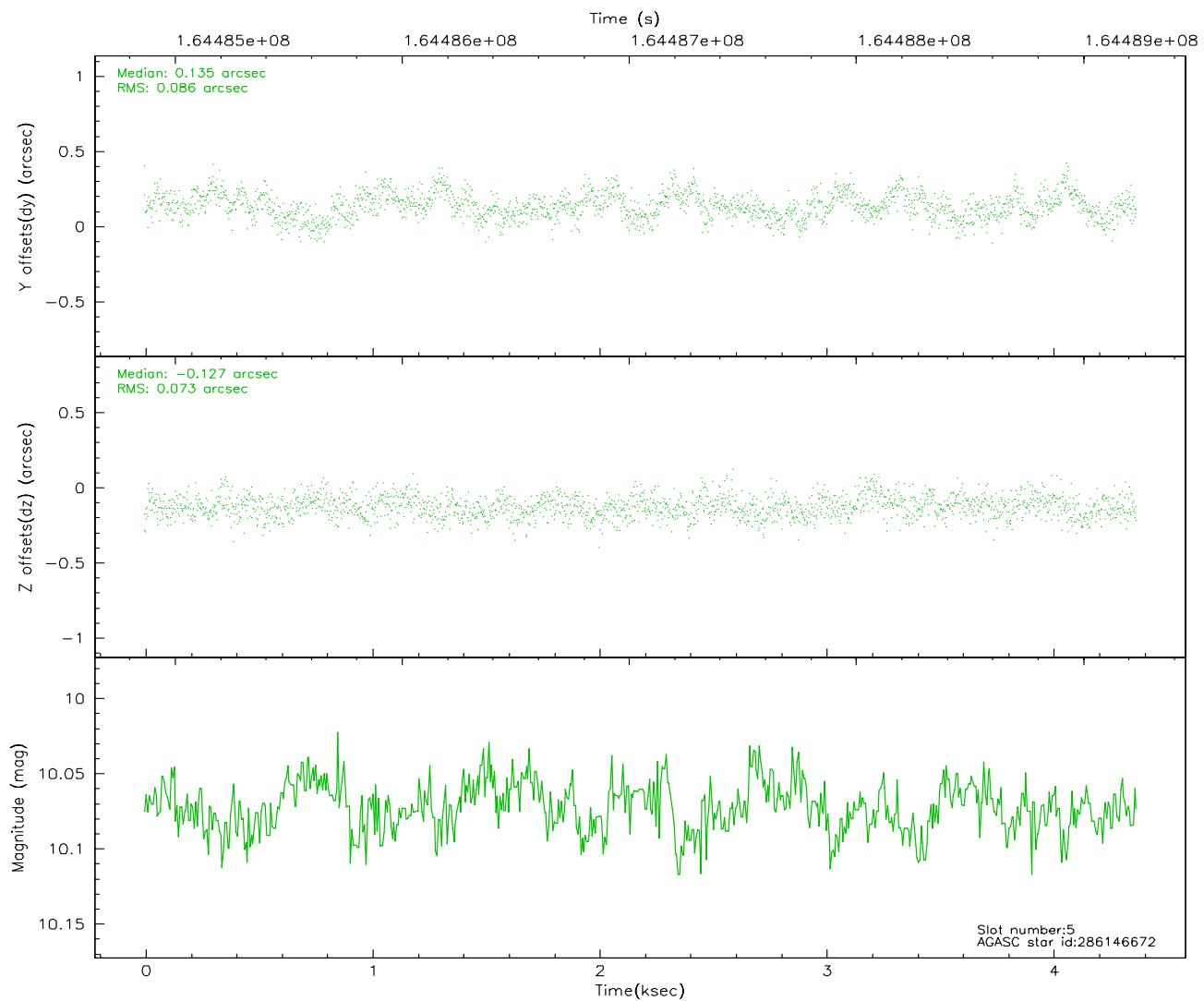
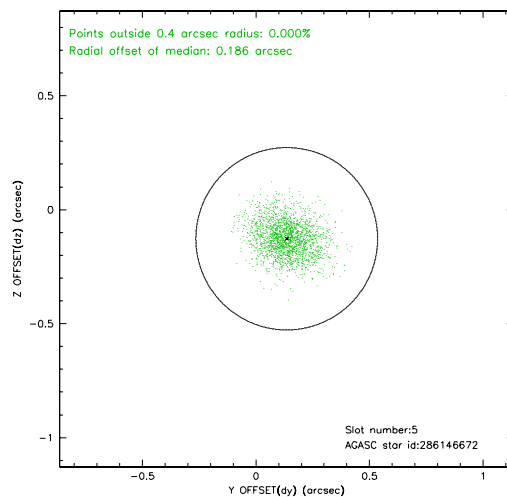
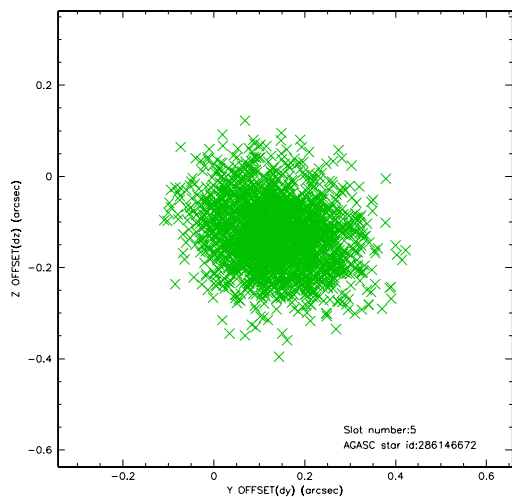
### 2.4.1 Slot 3



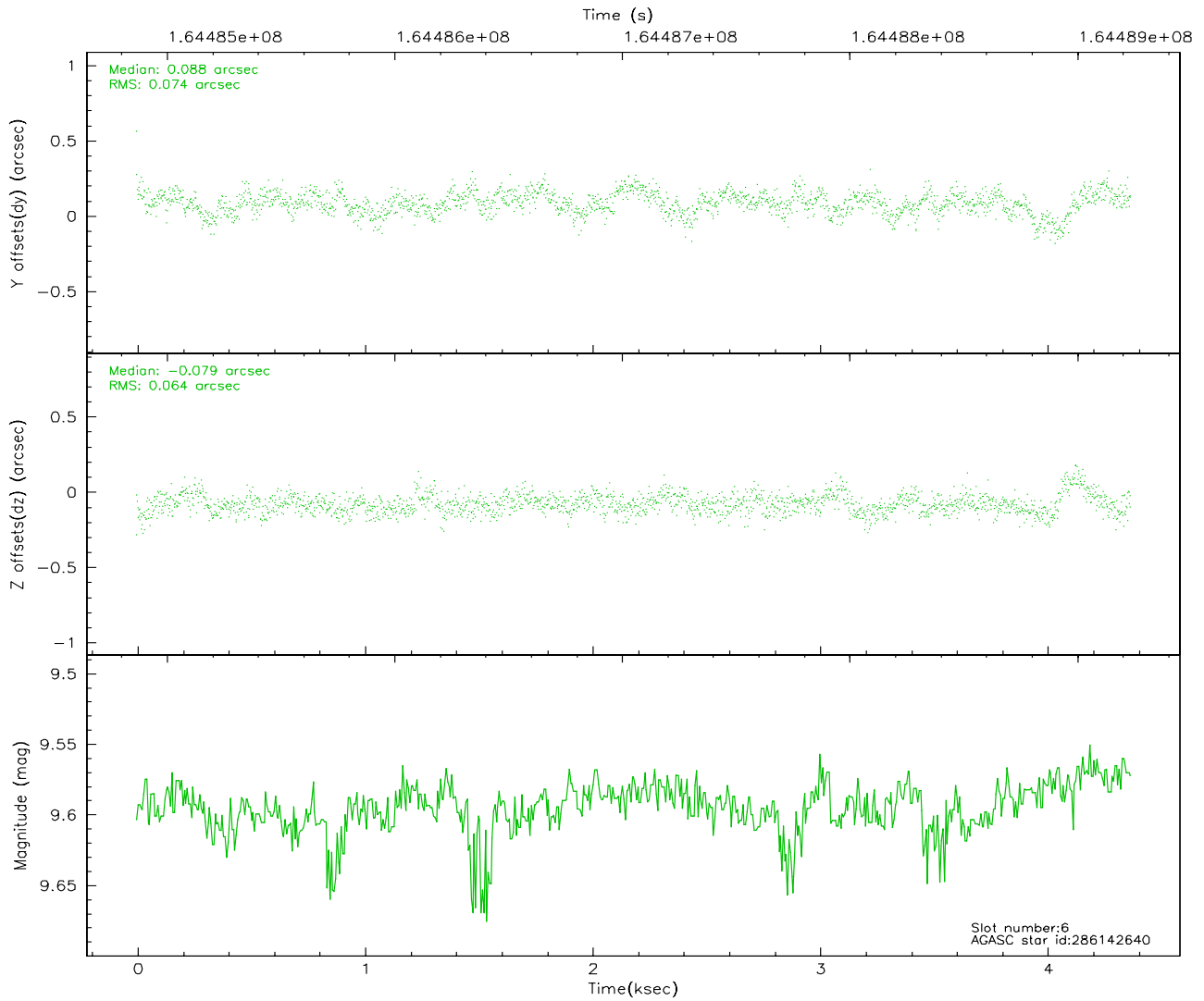
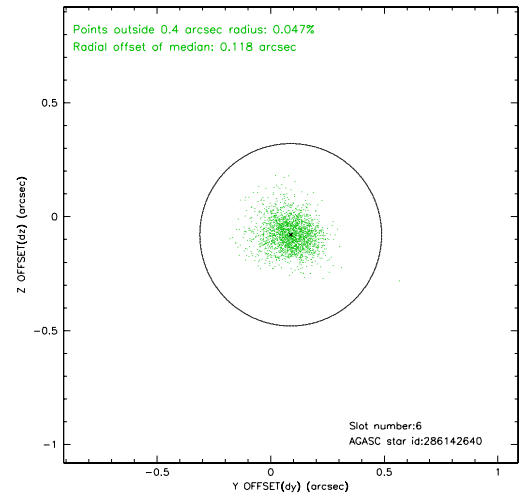
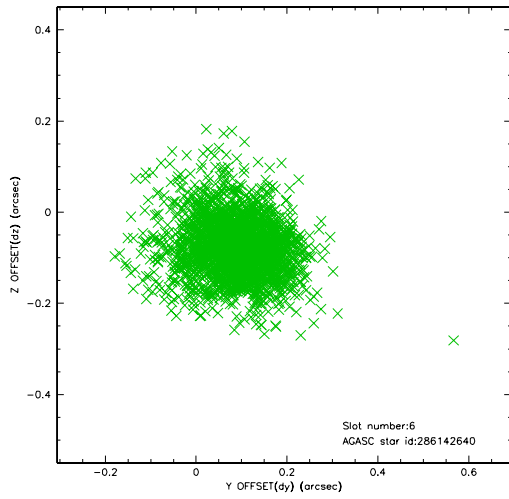
## 2.4.2 Slot 4



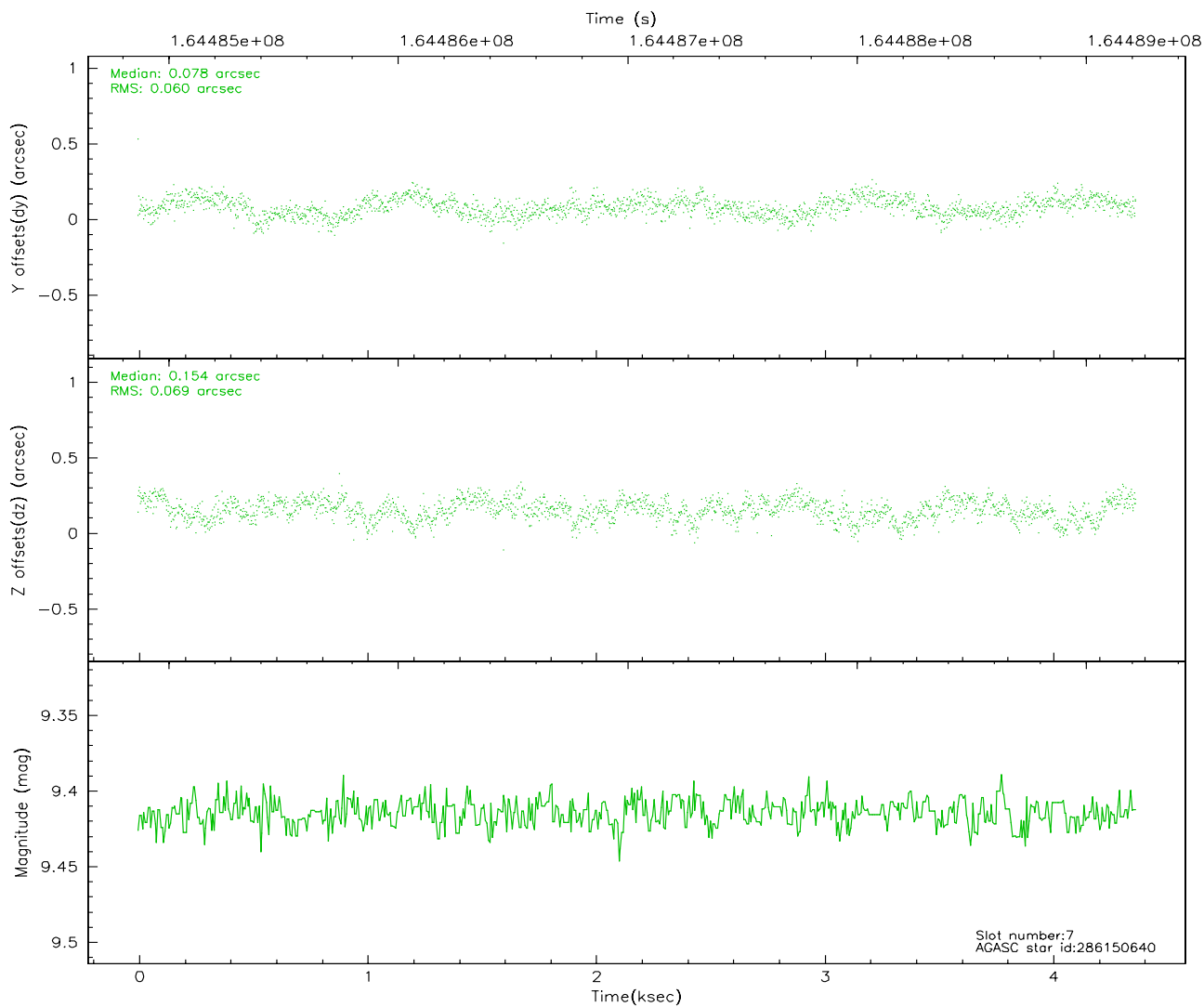
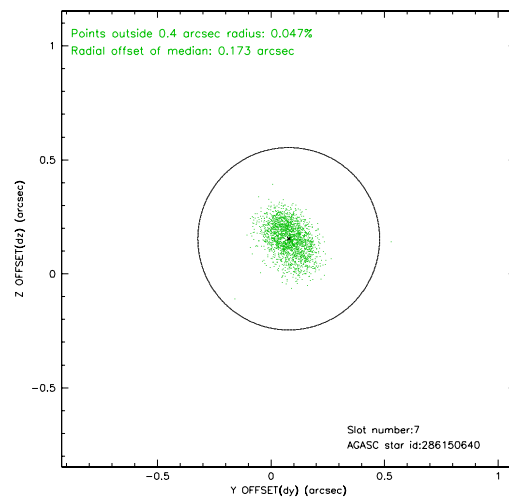
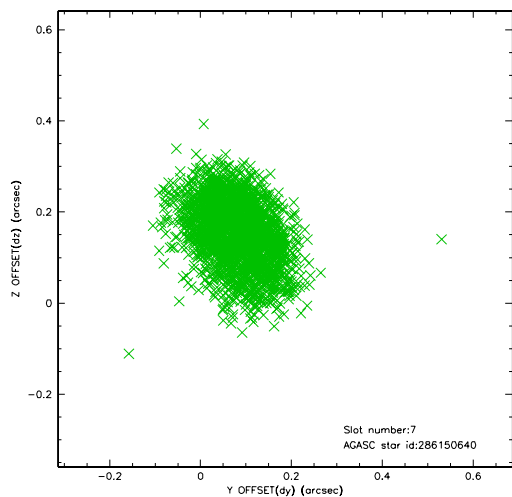
### 2.4.3 Slot 5



### 2.4.4 Slot 6

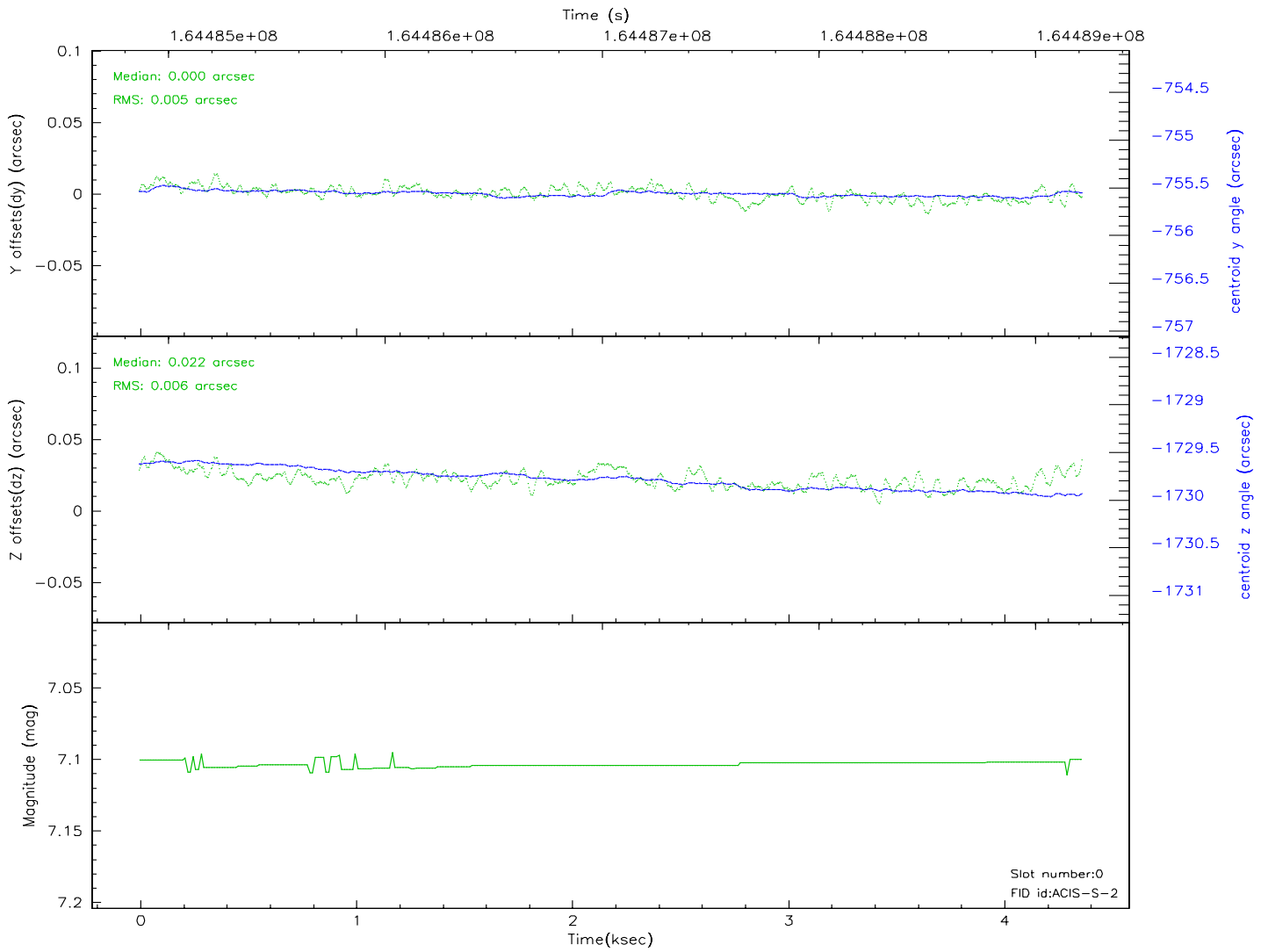
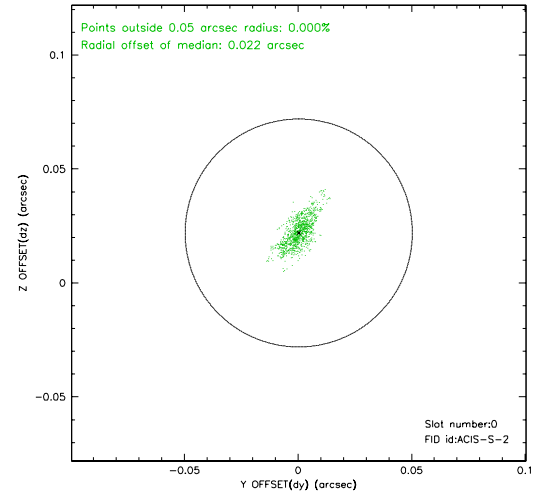
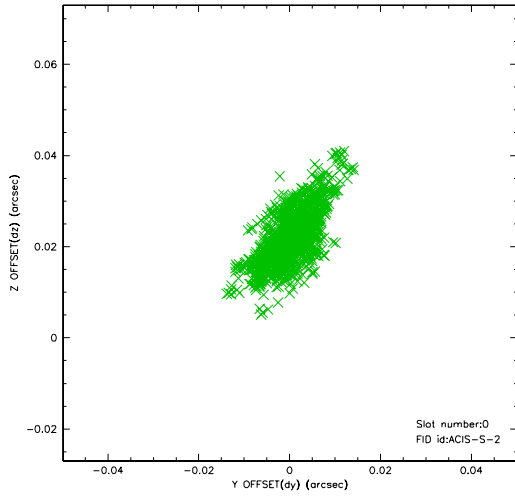


## 2.4.5 Slot 7

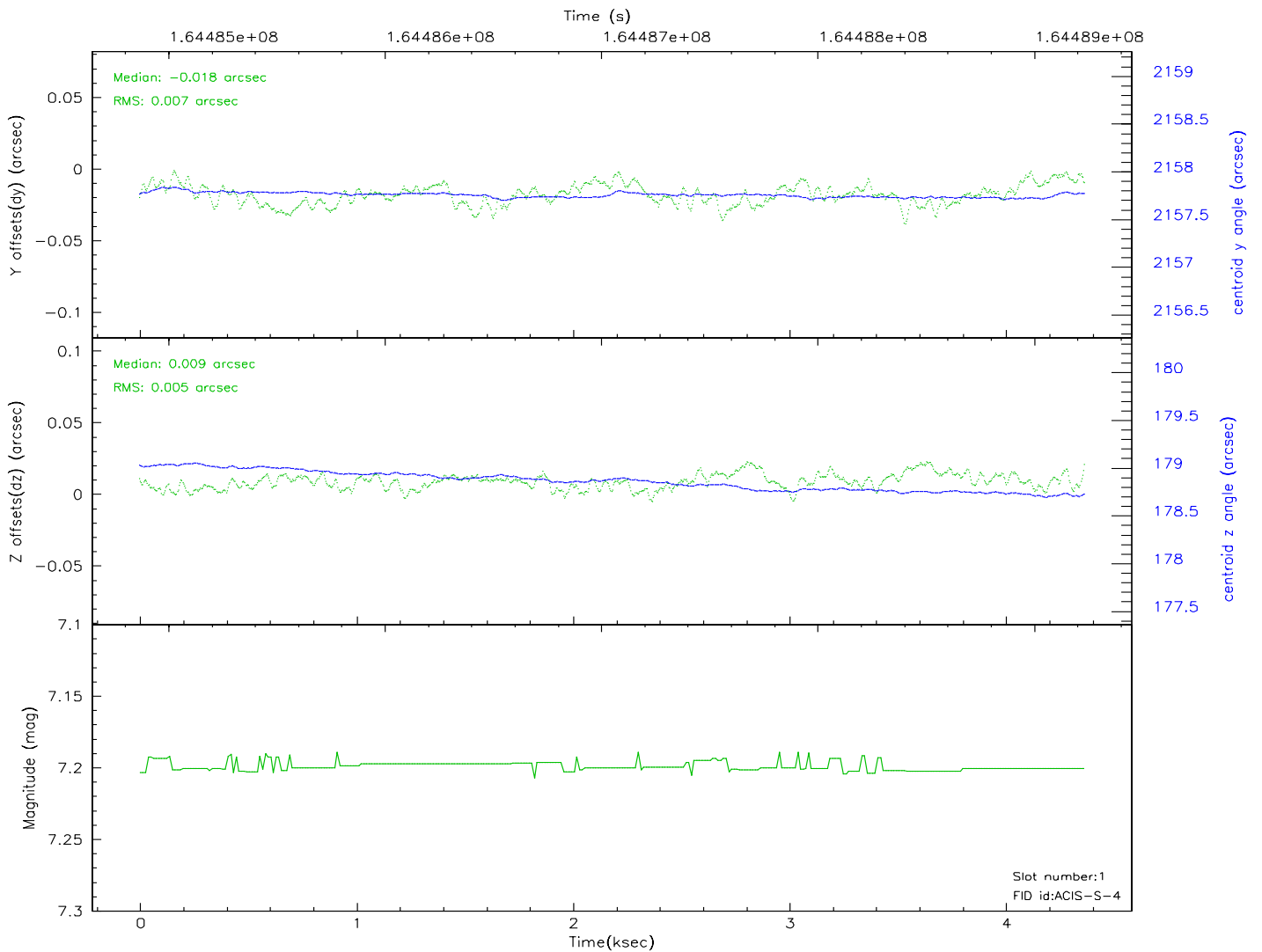
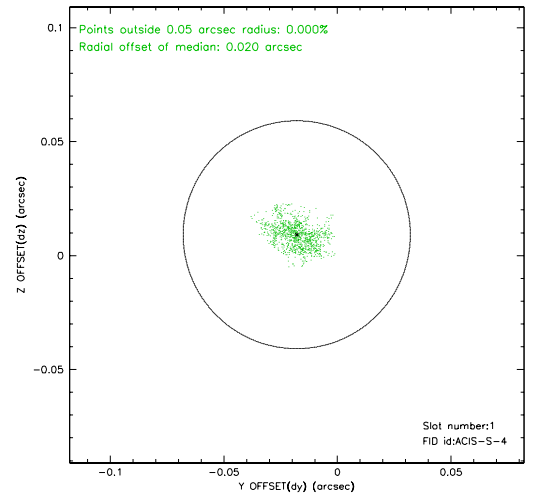
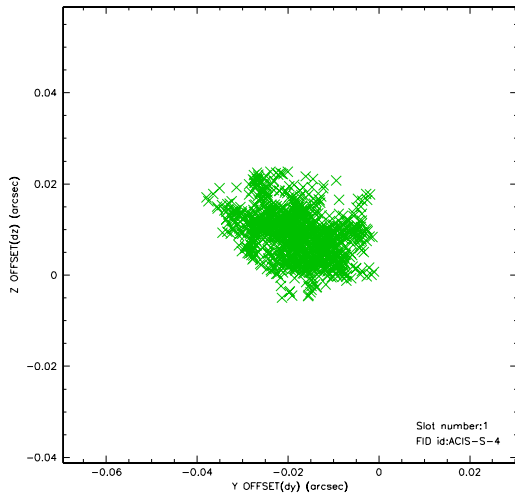


## 2.5 FID Slots

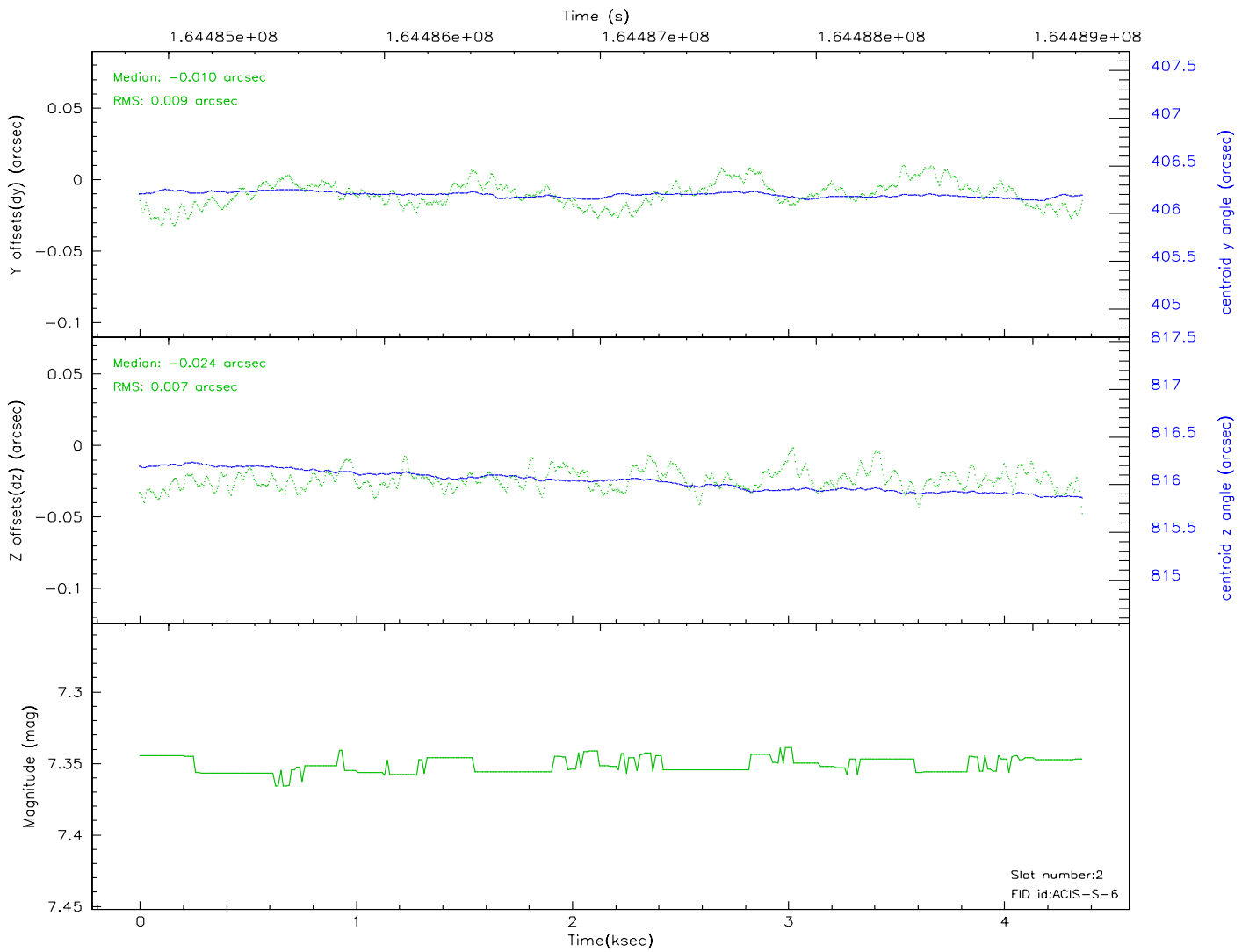
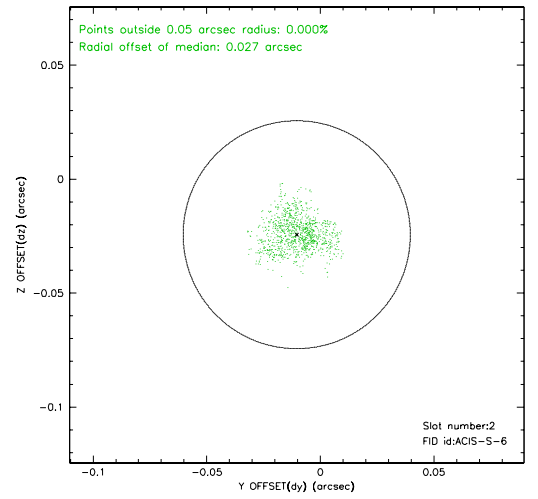
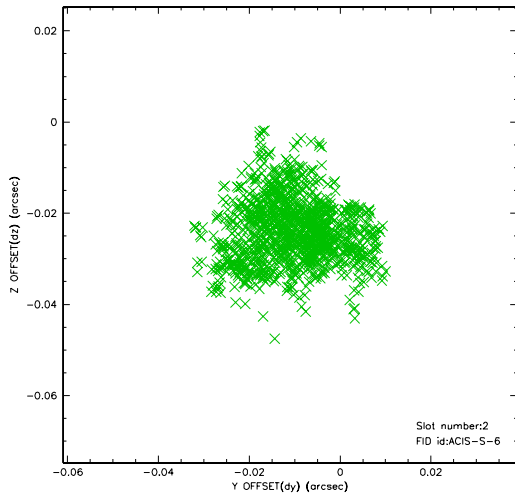
### 2.5.1 Slot 0



## 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)	2006.07.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.86

## A.2 Comments