

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 6181 - L2 Version 002
Chandra X-Ray Center

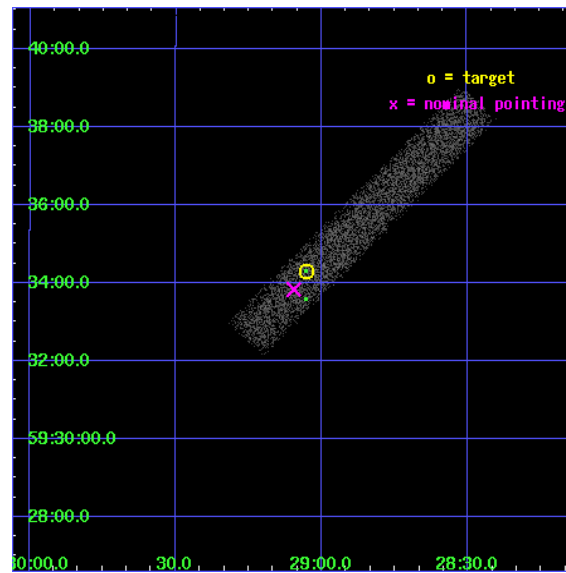
L2 Processing Date: Feb 21 2006

Contents

1	Front	2
2	OBI	3
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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

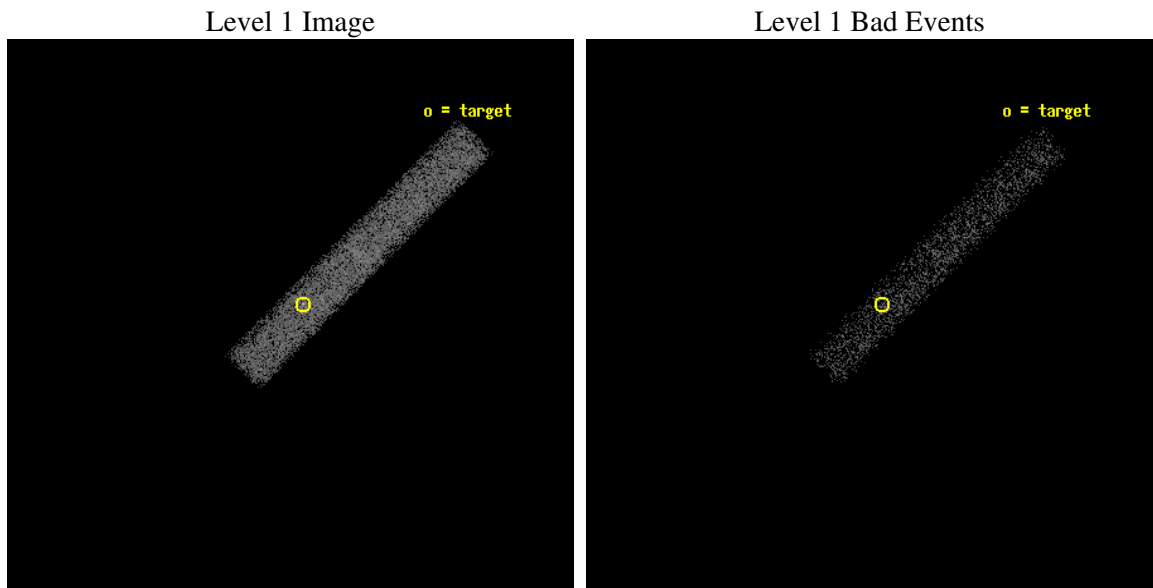
seq_num	400447
obs_id	6181
title	Following the decay of the new accretion powered msec pulsar IGR J00291+5934
observer	Dr Peter Jonker
object	IGR J00291+5934
dtcycle	0
cycle	P
ra_targ	7.262917
dec_targ	59.571944
ra_nom	7.2738803671122
dec_nom	59.564020526654
roll_nom	315.0454070624
revision	2
ontime	14182.80021134
livetime	12863.051162108
ontime7	14182.80021134
l2events	7901



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-21T23:32:16
revision	2

sched_exp_time	14000.000000
ontime	14992.110717982
ontime7	14992.110717982
l1events	19757

2.1.4 Events

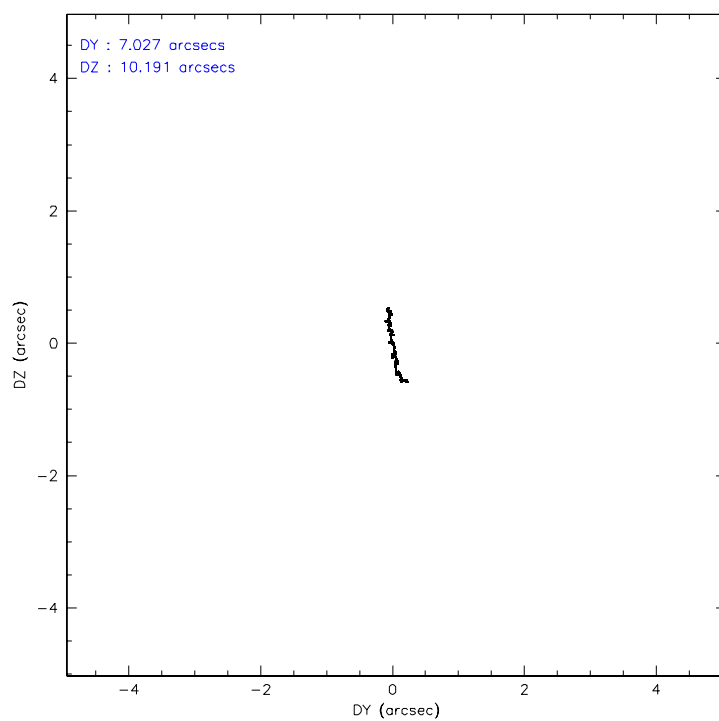
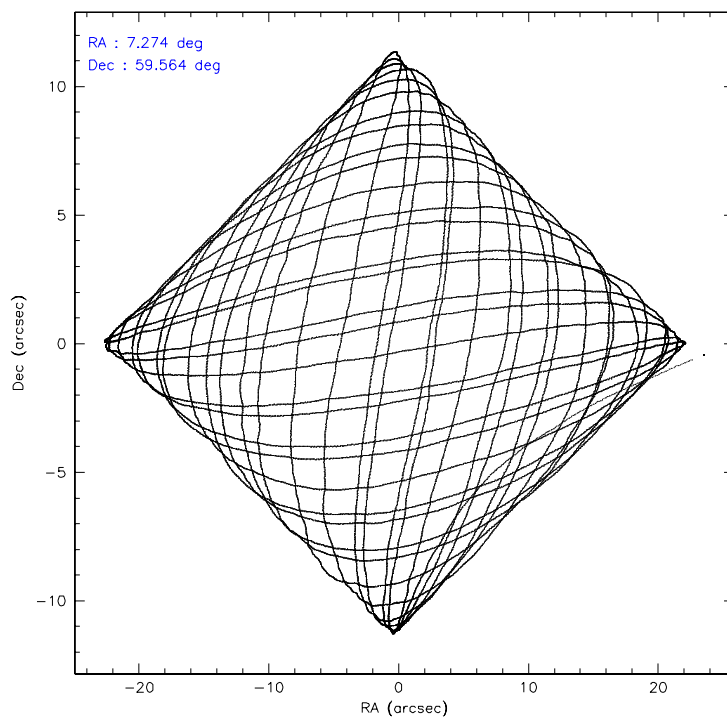
	ccd 7
level 1 events	19757
rejected events	11509
rejected %	58%

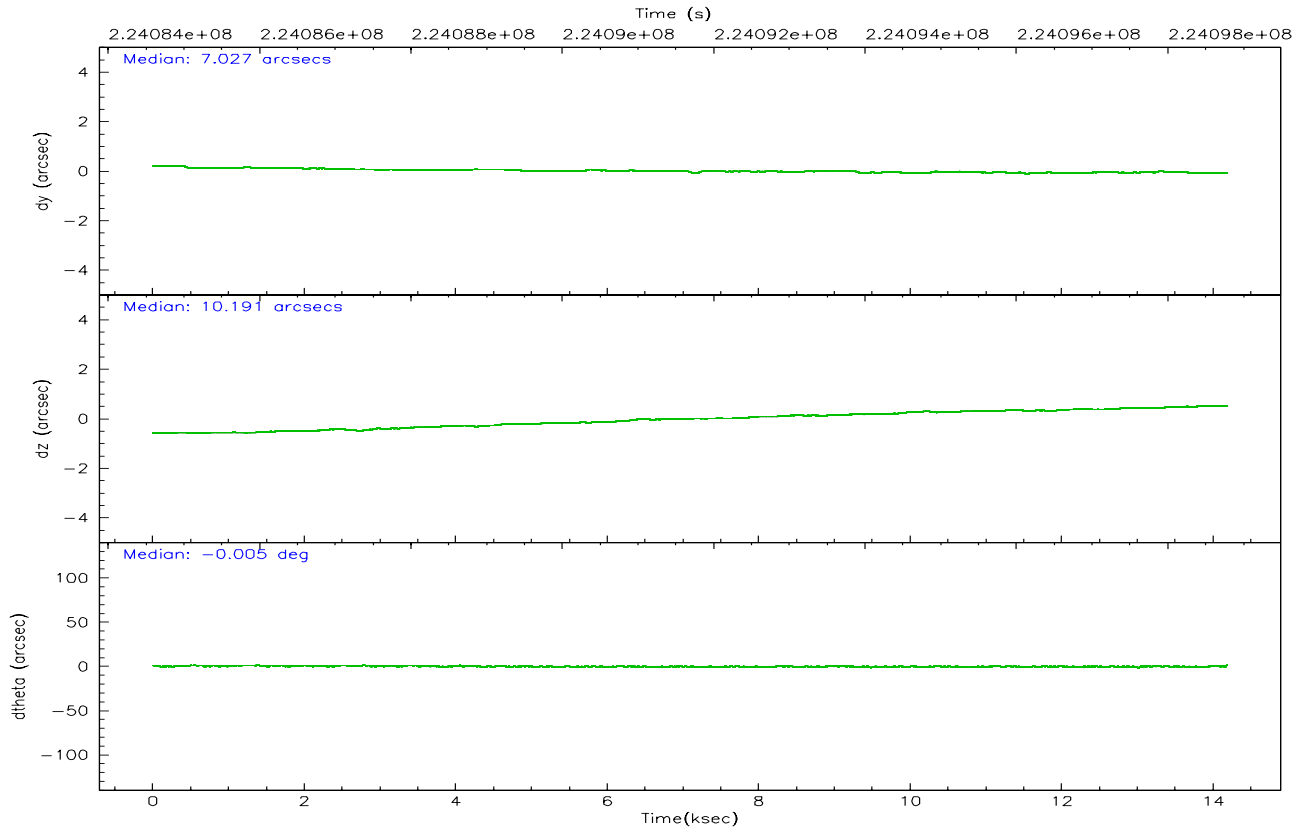
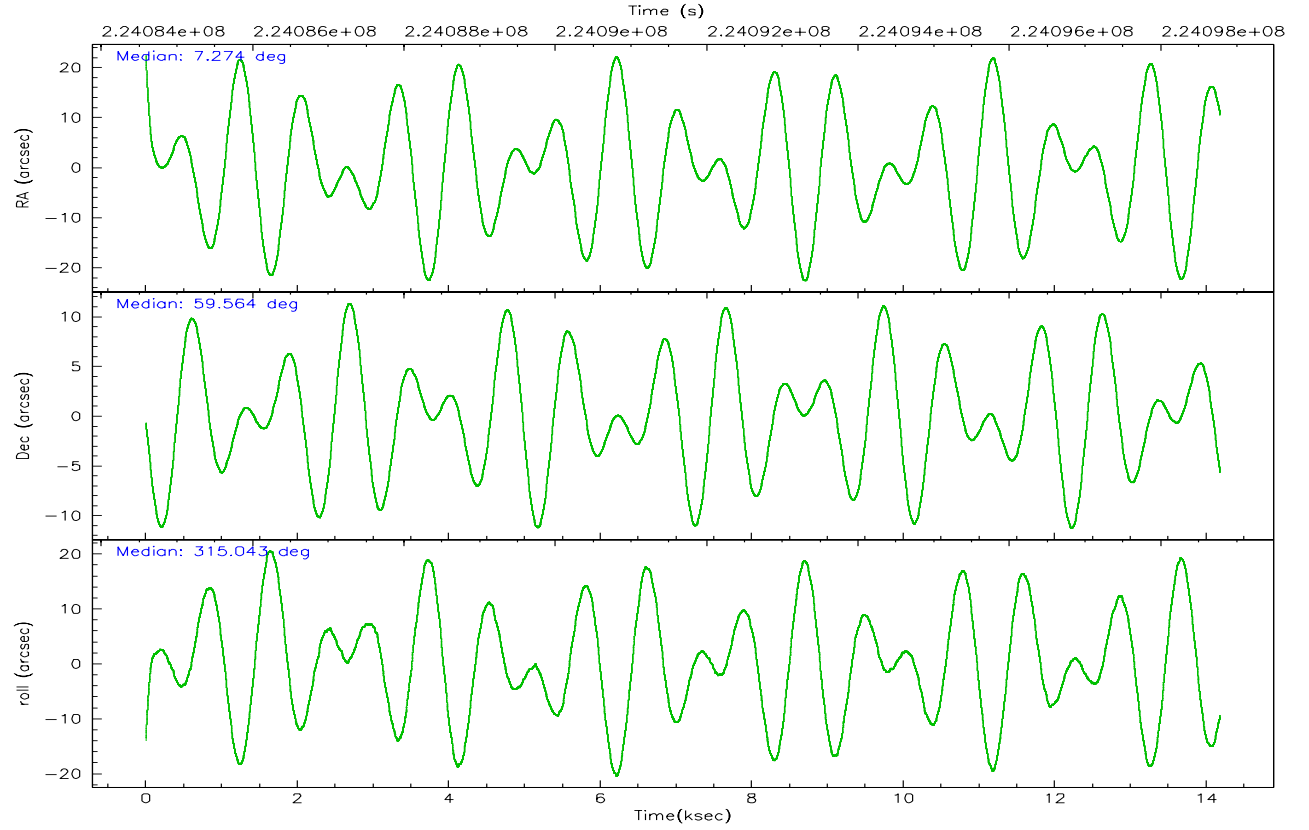
	ccd 7
grade 0 events	669
	3%
grade 1 events	18
	0%
grade 2 events	1982
	10%
grade 3 events	901
	4%
grade 4 events	846
	4%
grade 5 events	1380
	6%
grade 6 events	4314
	21%
grade 7 events	9647
	48%

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	1/8	1/8
Pointing RA	7.221730	7.273880367112213	Subarray start row	0	449
Pointing Dec	59.570678	59.56402052665435	Subarray row count	1024	128
Pointing Roll	314.933740	315.0454070624042	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
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	224084778.184000	224083744.15458			
Observation start date	2005-02-06T13:45:14	2005-02-06T13:29:04			
Observation end time	224098778.184000	224099417.43029			
Observation end date	2005-02-06T17:38:34	2005-02-06T17:50:17			
Read mode	TIMED	TIMED			

2.3 Aspect



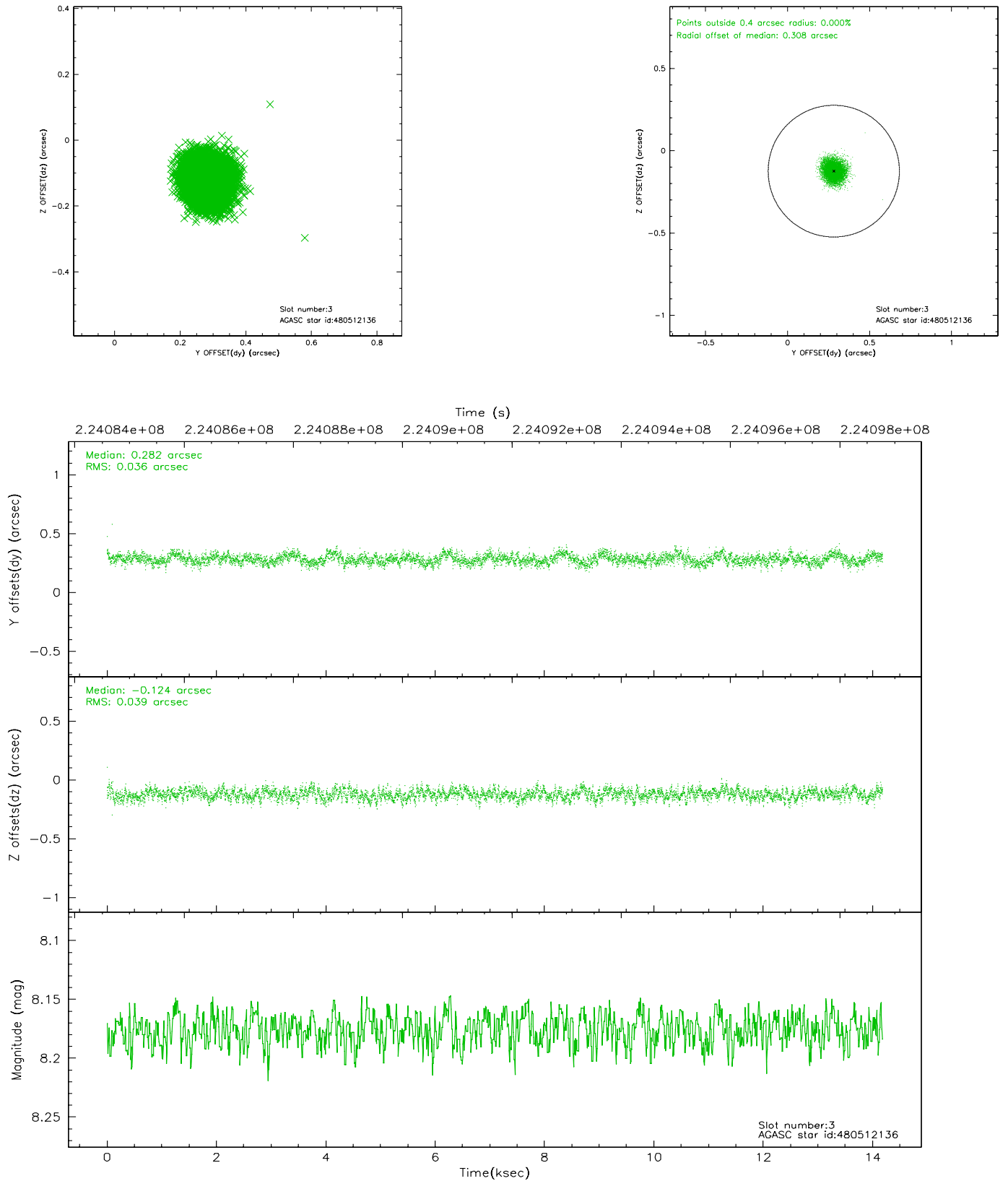


Slot Statistics

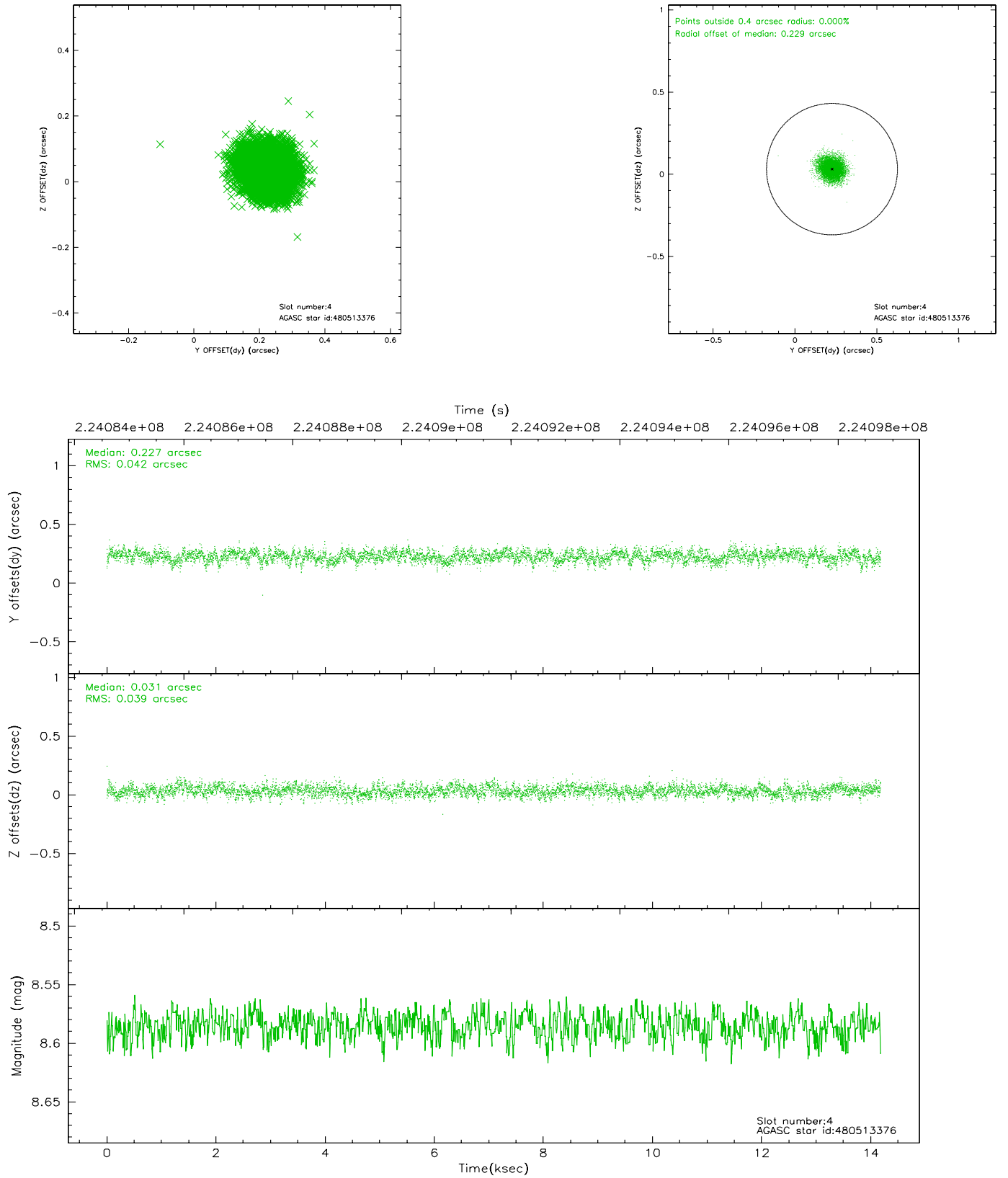
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3460	-0.046	-0.010	0.010	0.019	0.000000	0.000000	-759.80	-1731.39
1	FID	ACIS-S-4	7.21	3460	0.061	0.024	0.006	0.010	0.000000	0.000000	2153.39	176.85
2	FID	ACIS-S-5	7.23	3460	-0.047	-0.006	0.011	0.020	0.000000	0.000000	-1812.26	170.79
3	GUIDE	480512136	8.18	6916	0.282	-0.124	0.057	0.090	7.475231	59.254866	1134.28	-472.07
4	GUIDE	480513376	8.59	6919	0.227	0.031	0.061	0.097	7.508901	59.105688	1559.81	-805.59
5	GUIDE	526280320	8.97	6918	-0.106	-0.037	0.071	0.117	6.438381	60.009492	-2119.47	123.57
6	GUIDE	480379256	9.01	6917	-0.253	0.001	0.079	0.128	5.631259	59.673209	-2327.71	-1761.41
7	GUIDE	526276608	8.60	6916	-0.150	0.128	0.066	0.104	7.524994	60.151139	-1096.80	1861.38

2.4 Star Slots

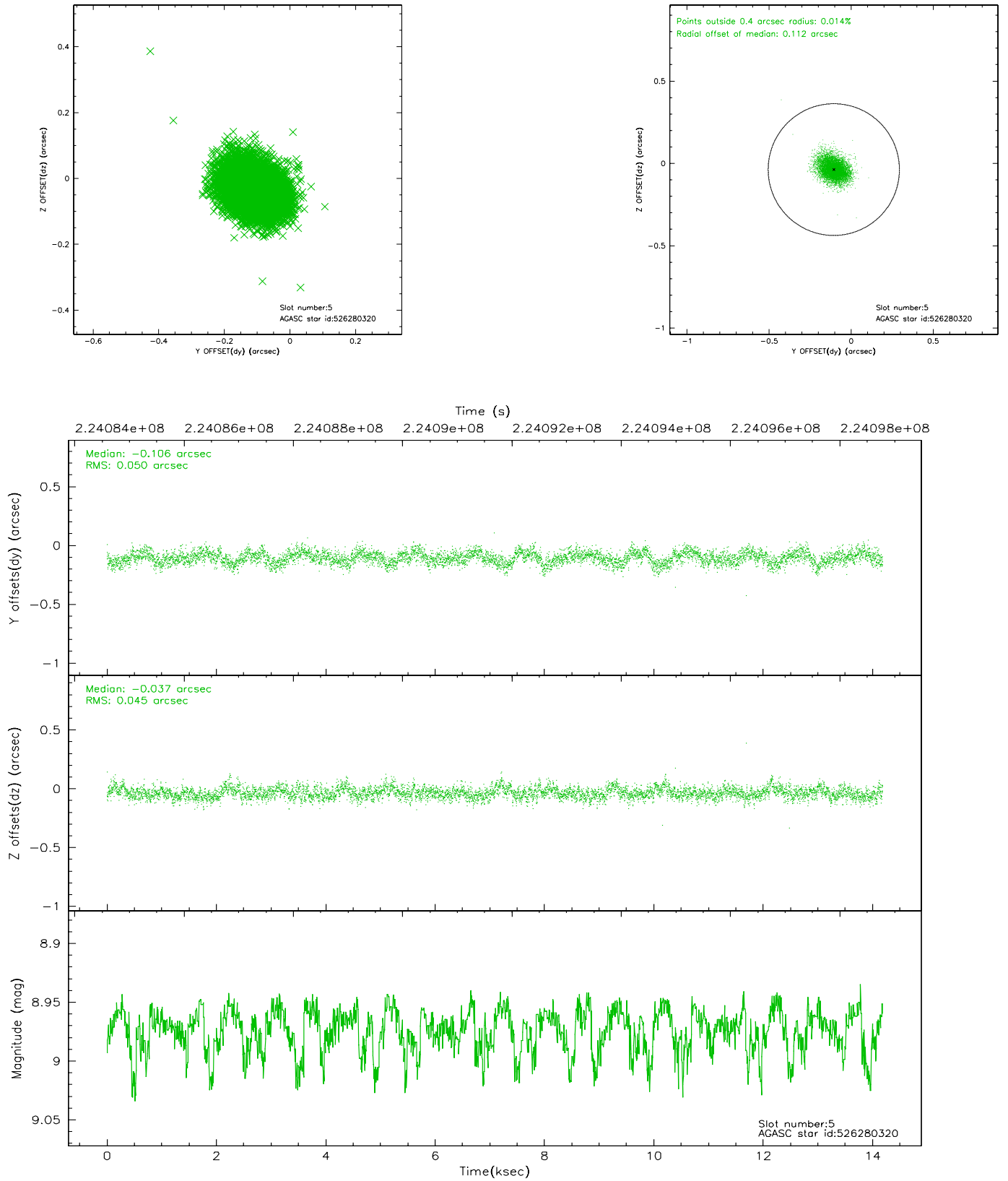
2.4.1 Slot 3



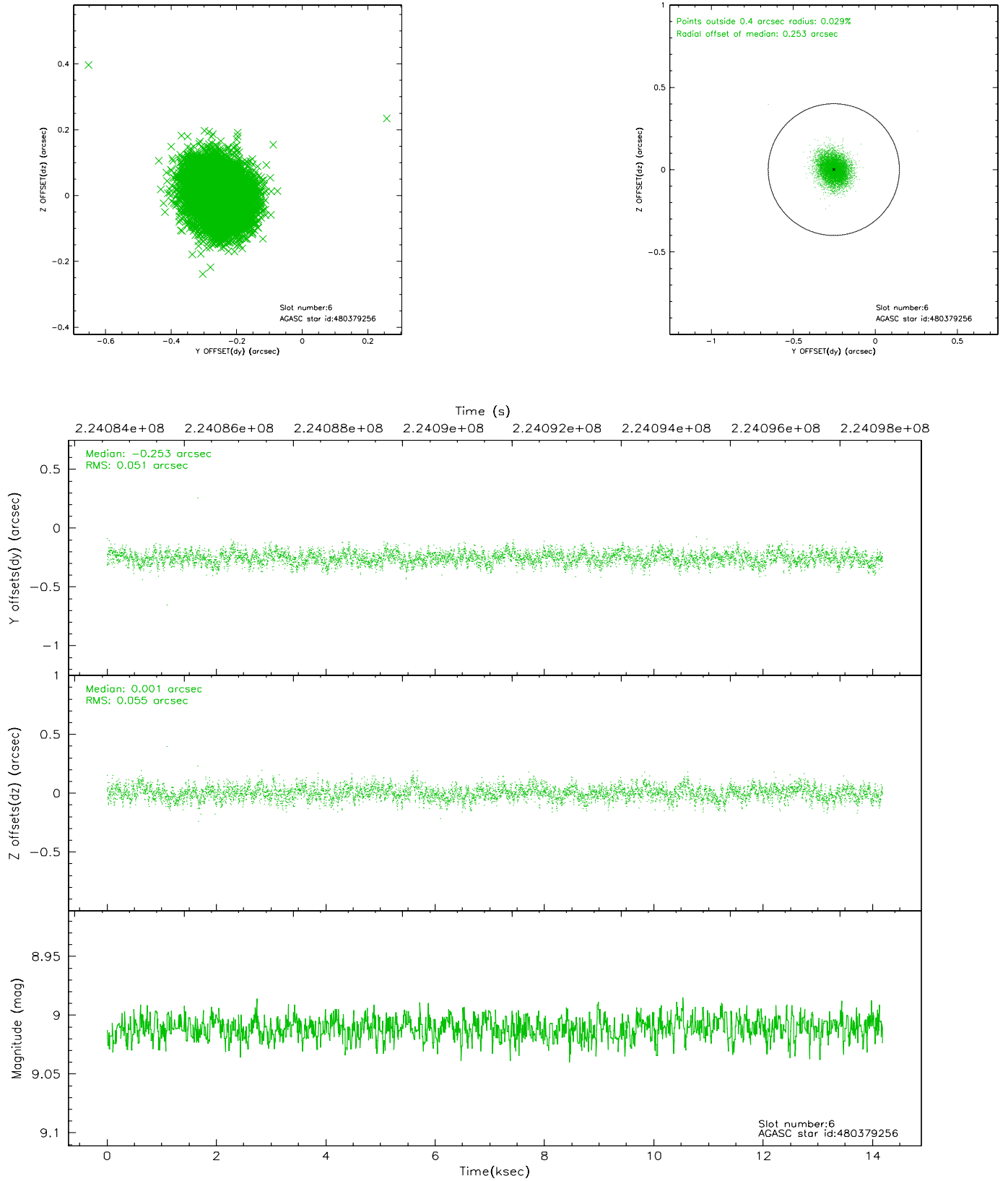
2.4.2 Slot 4



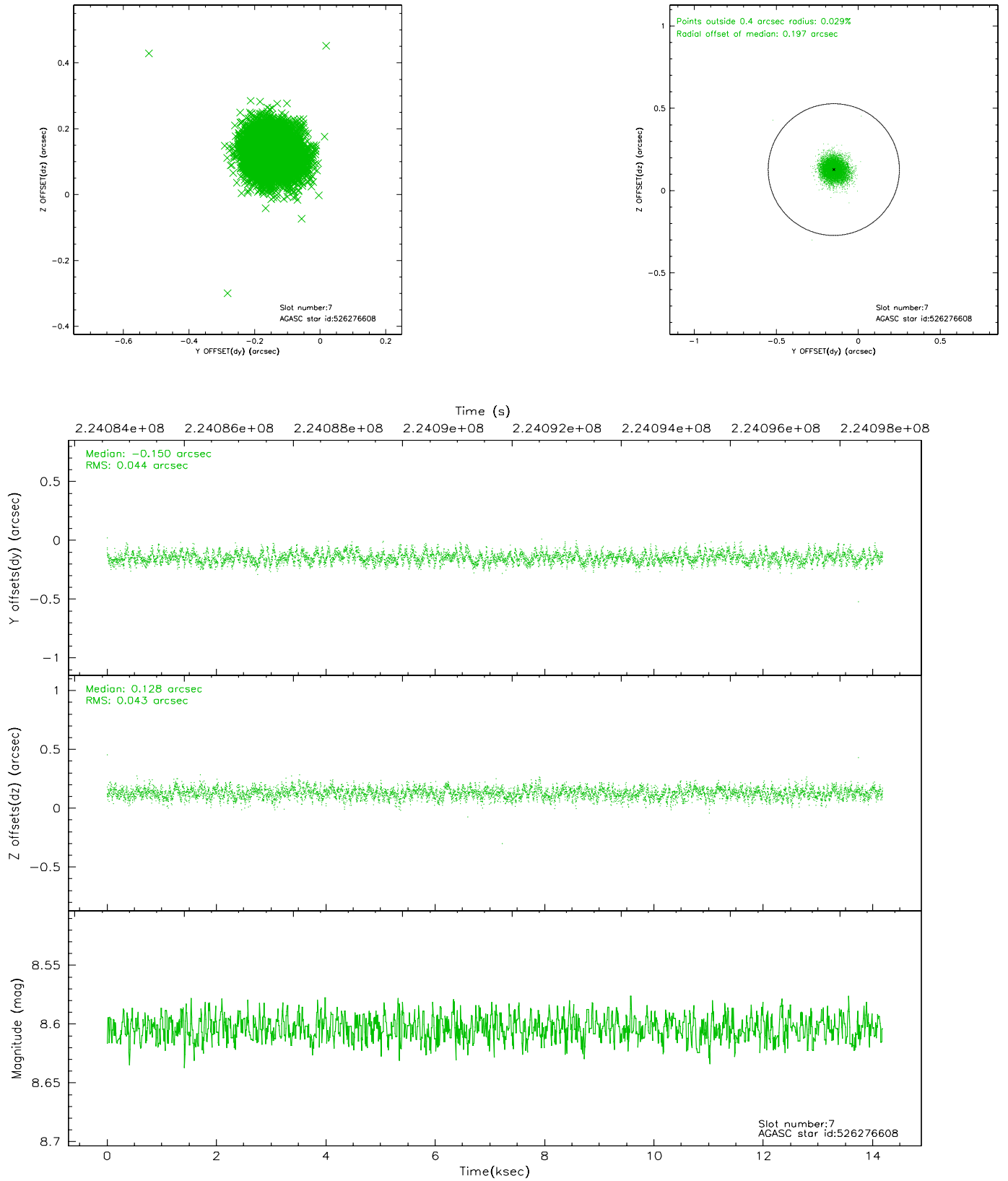
2.4.3 Slot 5



2.4.4 Slot 6

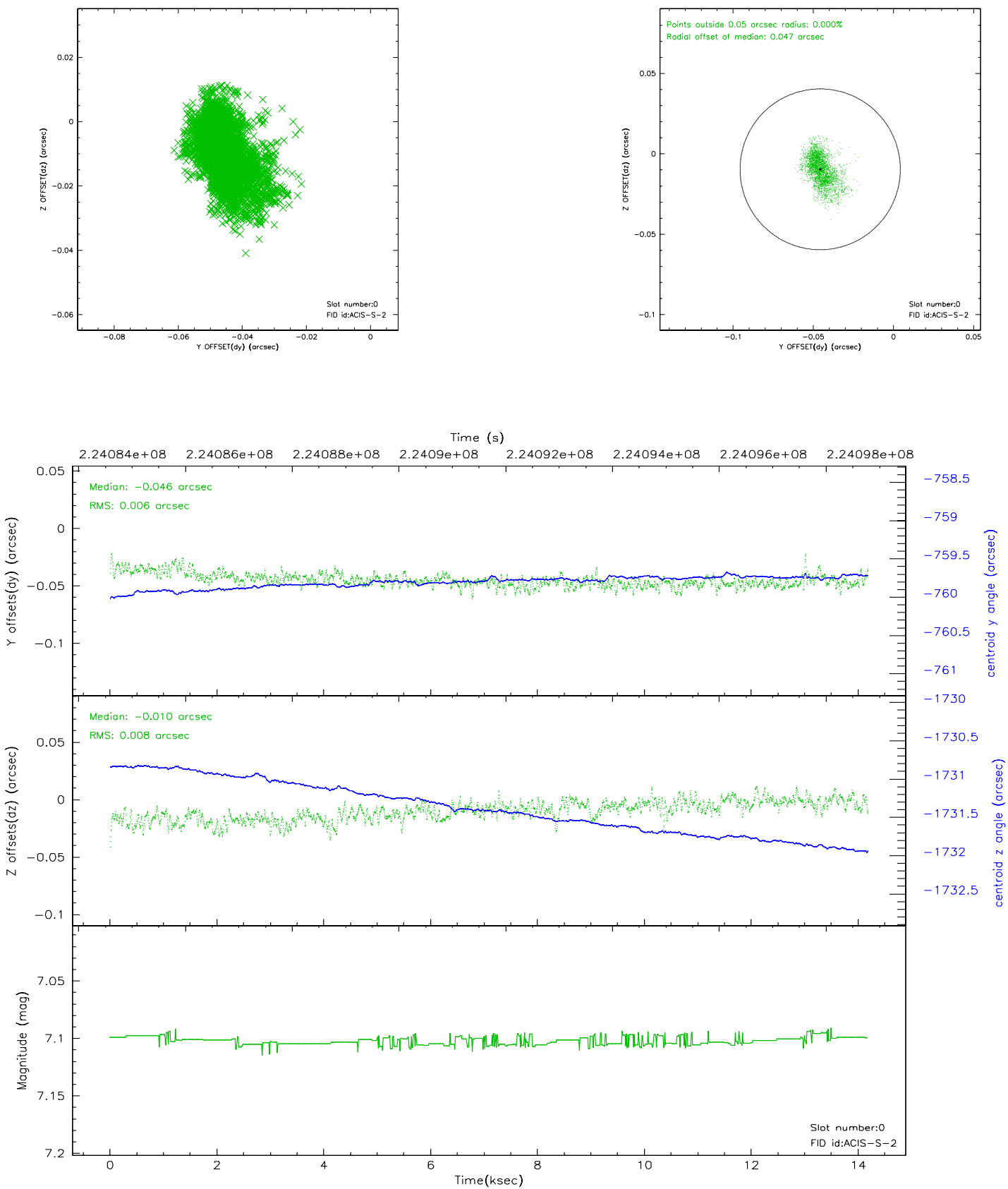


2.4.5 Slot 7

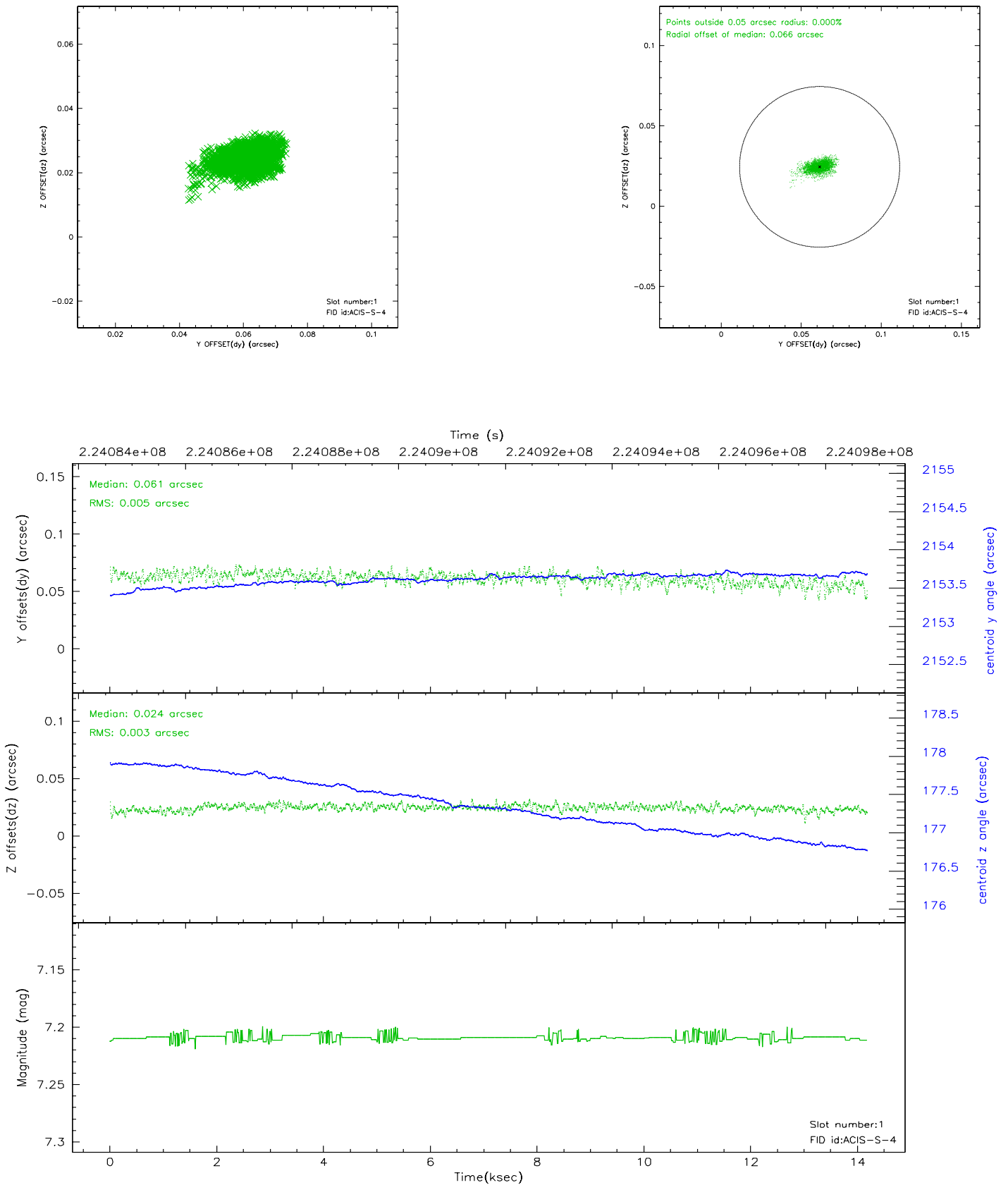


2.5 FID Slots

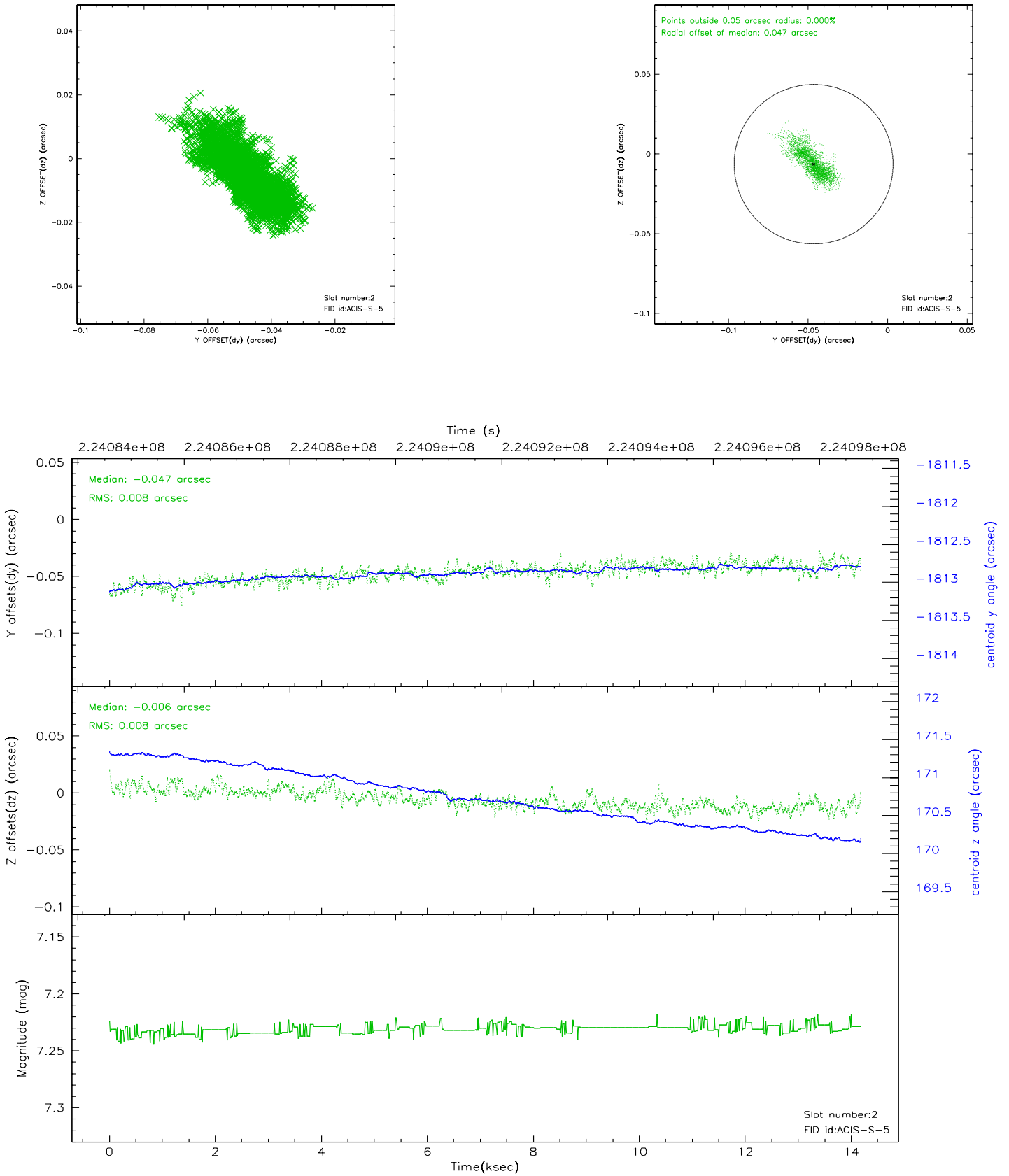
2.5.1 Slot 0



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)	2006.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.1828

A.2 Comments