

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5591 - L2 Version 002
Chandra X-Ray Center

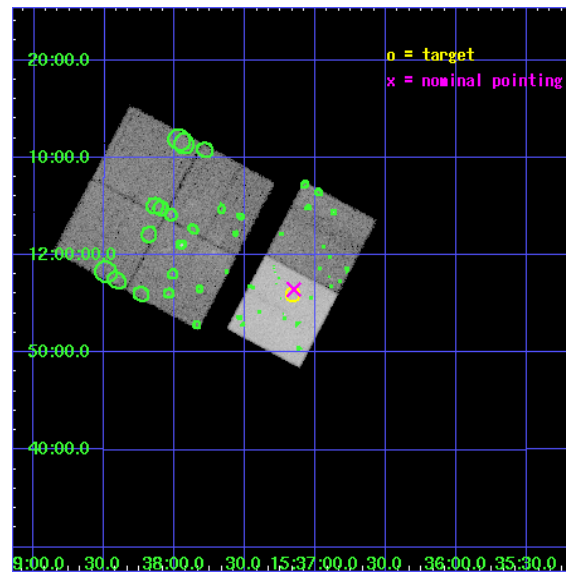
L2 Processing Date: Feb 28 2006

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

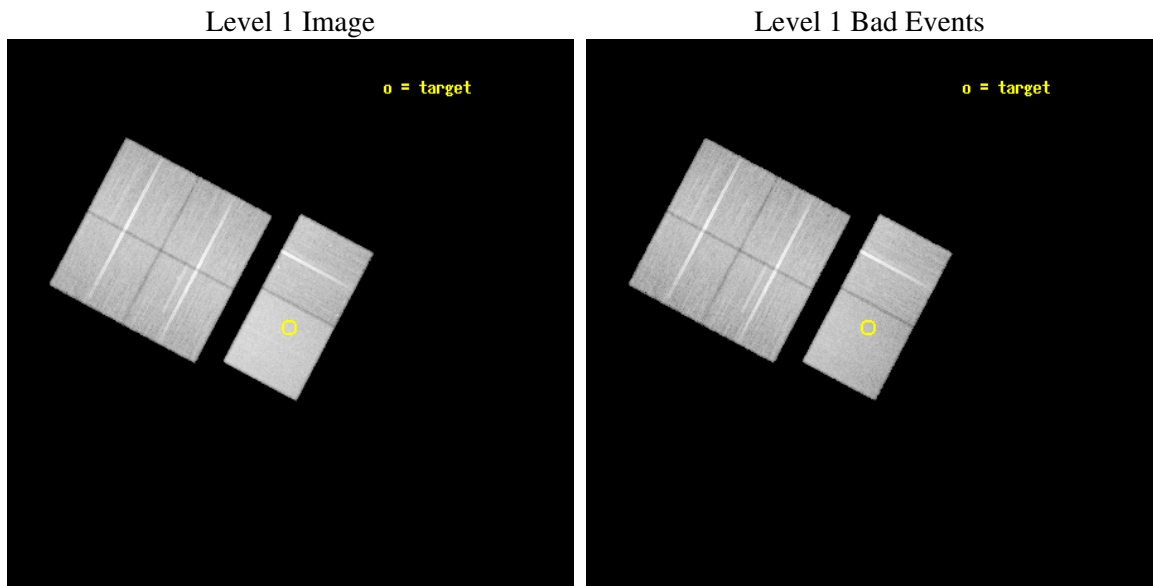
seq_num	500580
obs_id	5591
title	Double Neutron Star Binary with PSR J1537+1155
observer	Prof. Gordon Garmire
object	PSR J1537+1155
dtcycle	0
cycle	P
ra_targ	234.2915
dec_targ	11.932097
ra_nom	234.28846420378
dec_nom	11.941277781928
roll_nom	117.98358959661
revision	2
ontime	36083.19986558
livetime	35626.292662187
ontime0	36083.19986558
ontime1	36073.476944506
ontime2	36083.19986558
ontime3	36079.958875299
ontime6	36079.958865404
ontime7	36083.19986558
l2events	282760



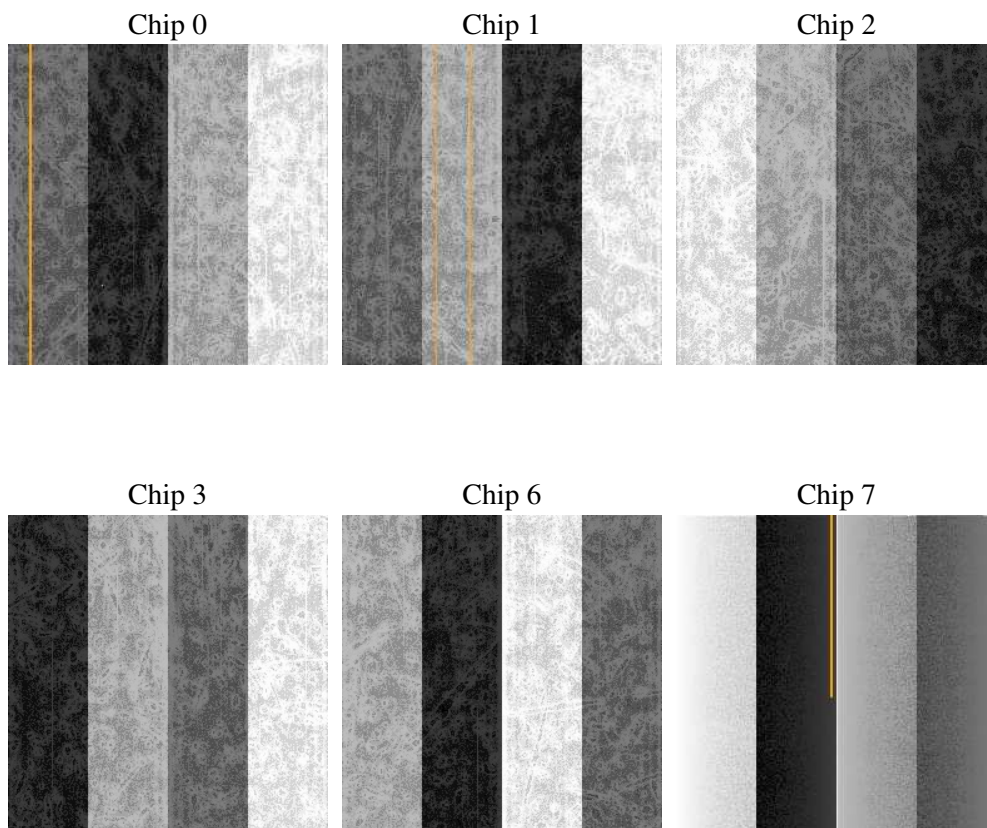
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldsver	3.2.1
date	2006-02-28T17:52:55
revision	2

sched_exp_time	36000.000000
ontime	36088.678040266
ontime0	36088.678040266
ontime1	36078.955119193
ontime2	36088.678040266
ontime3	36085.437030077
ontime6	36085.437020183
ontime7	36088.678040266
l1events	1705802

2.1.4 Events

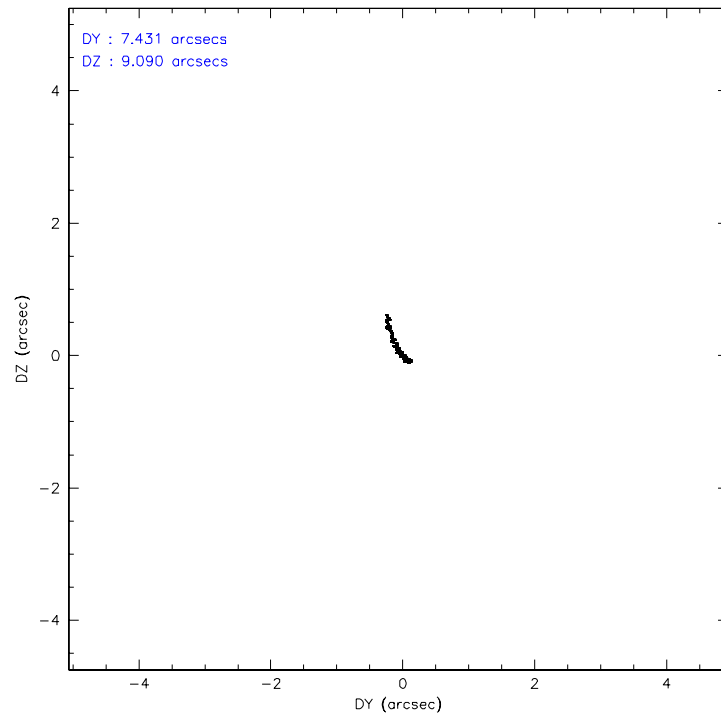
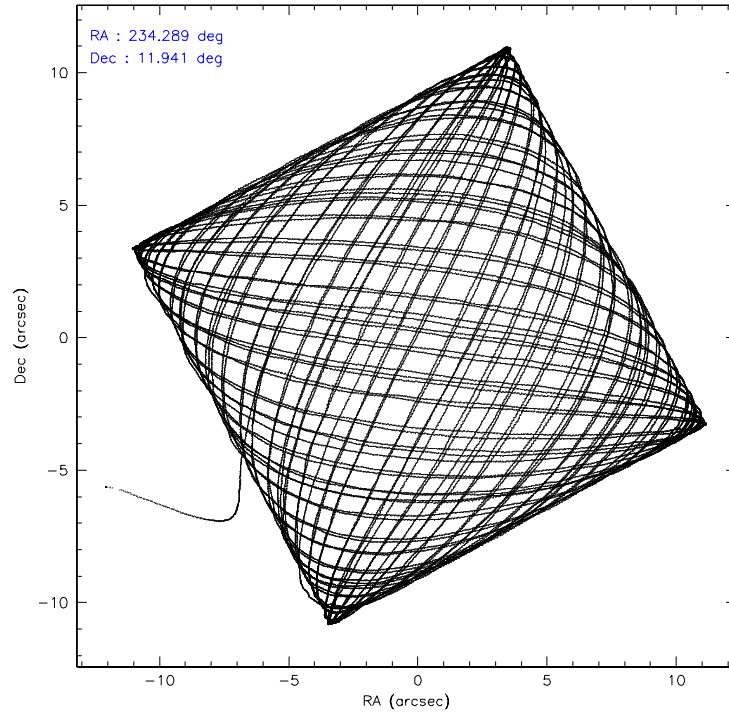
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	265185	250448	270700	265730	281862	371877
rejected events	231346	216328	238445	232665	247858	230759
rejected %	87%	86%	88%	87%	87%	62%

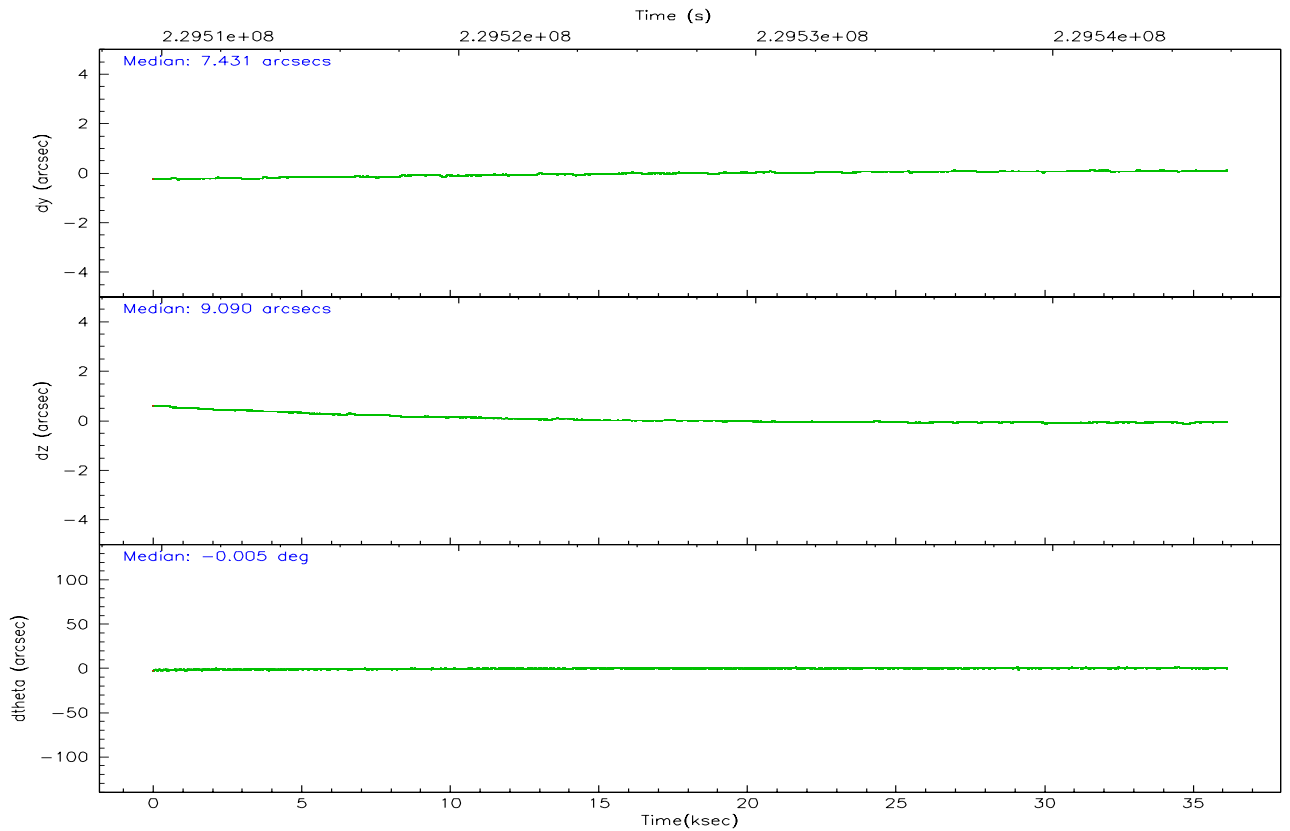
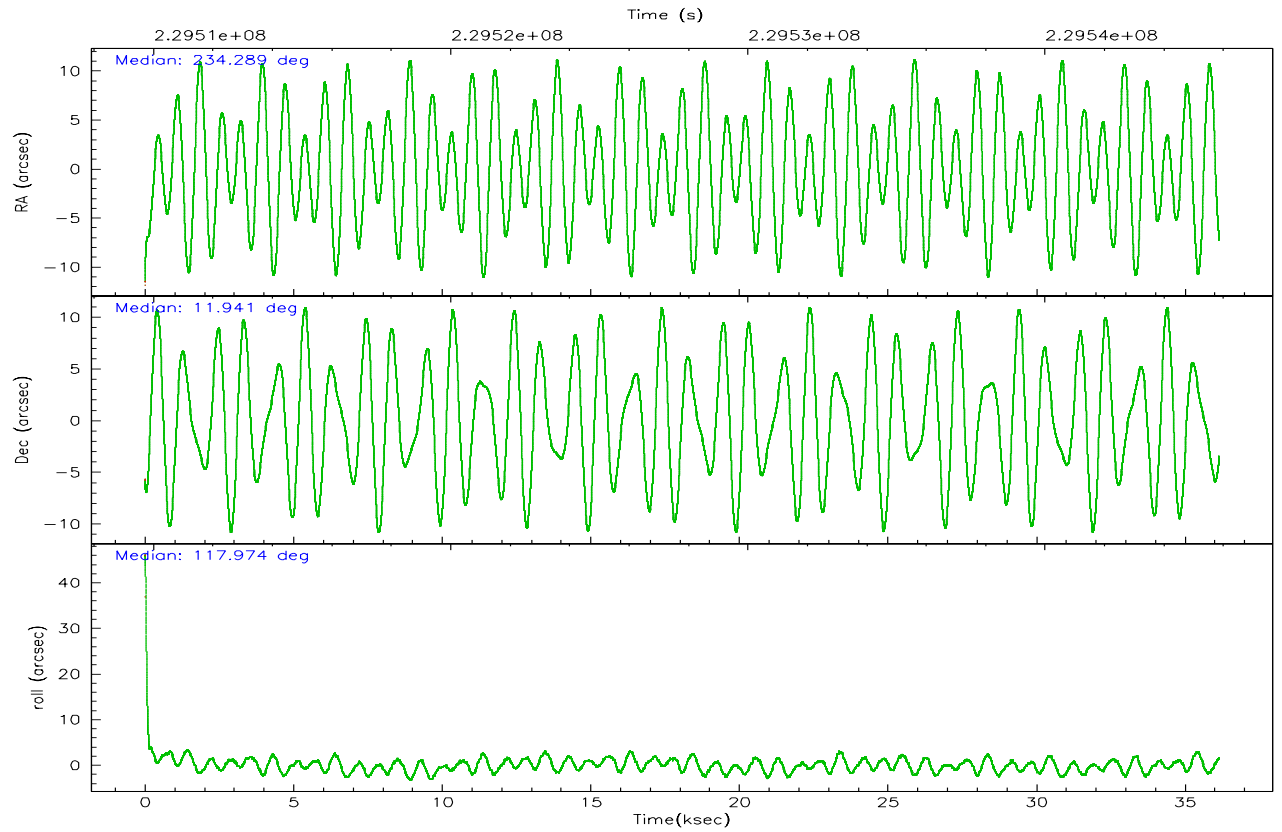
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14330	13421	14654	14972	13961	8013
	5%	5%	5%	5%	4%	2%
grade 1 events	165	117	151	175	151	238
	0%	0%	0%	0%	0%	0%
grade 2 events	7377	7461	6455	6304	6999	35562
	2%	2%	2%	2%	2%	9%
grade 3 events	3222	3346	2928	3062	3197	6836
	1%	1%	1%	1%	1%	1%
grade 4 events	3081	3368	2981	3119	3143	6517
	1%	1%	1%	1%	1%	1%
grade 5 events	11545	11580	10413	12486	12849	23393
	4%	4%	3%	4%	4%	6%
grade 6 events	5830	6527	5238	5611	6707	84198
	2%	2%	1%	2%	2%	22%
grade 7 events	219635	204628	227880	220001	234855	207120
	82%	81%	84%	82%	83%	55%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	234.312264	234.288464203777	Alternating exposures requested	N	N
Pointing Dec	11.927172	11.94127778192796	Primary exposure time	0.000000	3.2
Pointing Roll	117.822023	117.9835895966052			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.145094680475			
SIM translation stage offset (mm)	0	0.01257209746719923			
Observation start time	229509855.184000	229508831.60049			
Observation start date	2005-04-10T08:43:11	2005-04-10T08:27:11			
Observation end time	229545855.184000	229546376.3272			
Observation end date	2005-04-10T18:43:11	2005-04-10T18:52:56			
Read mode	TIMED	TIMED			

2.3 Aspect



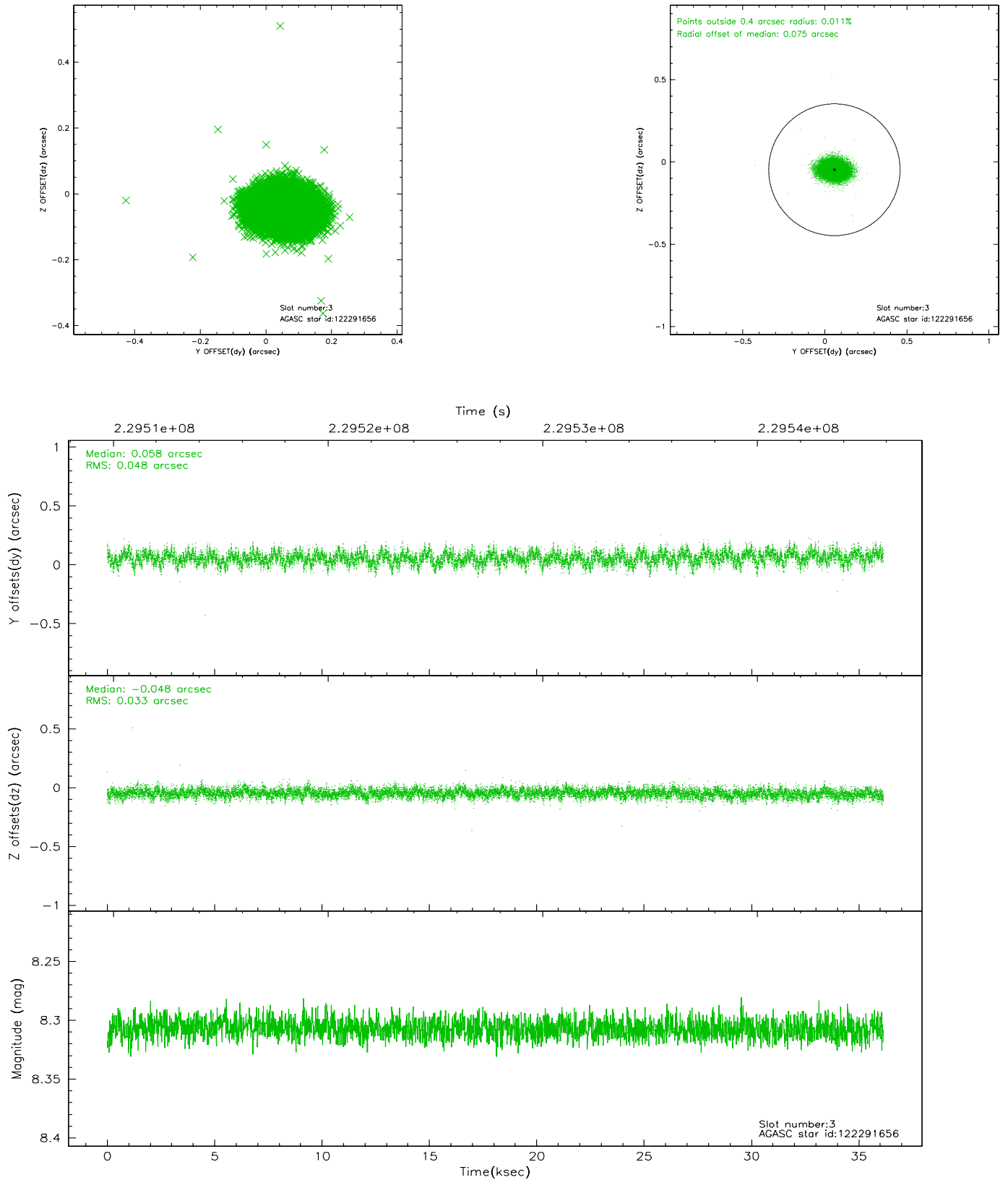


Slot Statistics

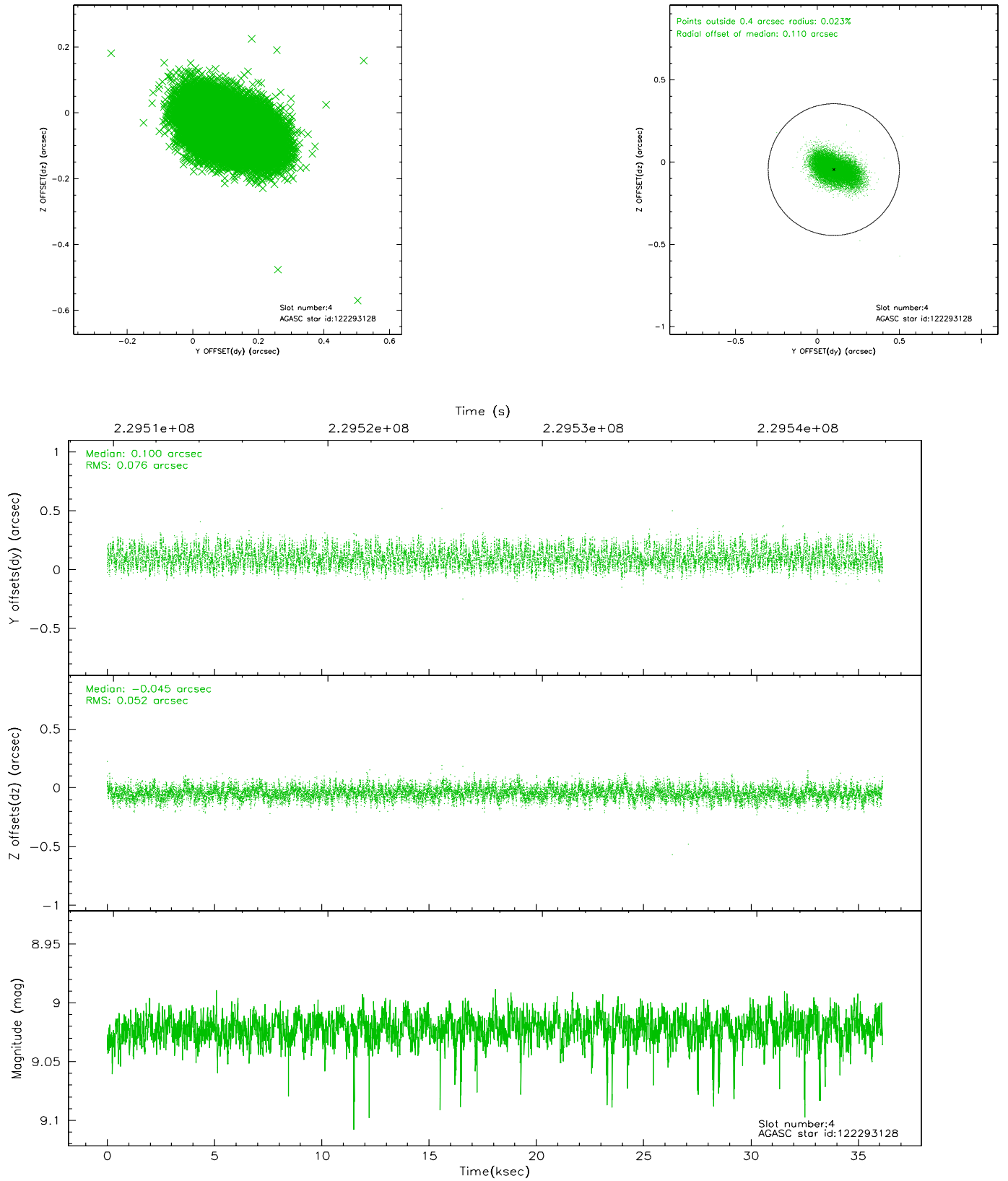
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8817	-0.021	-0.021	0.011	0.017	0.000000	0.000000	-760.16	-1730.32
1	FID	ACIS-S-4	7.21	8816	0.053	0.016	0.010	0.022	0.000000	0.000000	2153.15	178.20
2	FID	ACIS-S-5	7.23	8817	-0.062	0.015	0.010	0.017	0.000000	0.000000	-1813.03	171.86
3	GUIDE	122291656	8.31	17628	0.058	-0.048	0.061	0.102	234.191931	11.180080	-2180.41	1631.09
4	GUIDE	122293128	9.02	17625	0.100	-0.045	0.098	0.159	234.009057	11.238754	-1691.83	2103.97
5	GUIDE	122821072	7.92	17631	-0.046	0.065	0.062	0.099	234.683443	12.253214	429.60	-1702.44
6	GUIDE	122821656	7.42	17632	-0.086	-0.052	0.060	0.093	234.186532	11.600903	-832.18	940.51
7	GUIDE	122814752	7.35	17630	-0.036	0.078	0.057	0.091	234.348228	12.301633	1133.66	-740.21

2.4 Star Slots

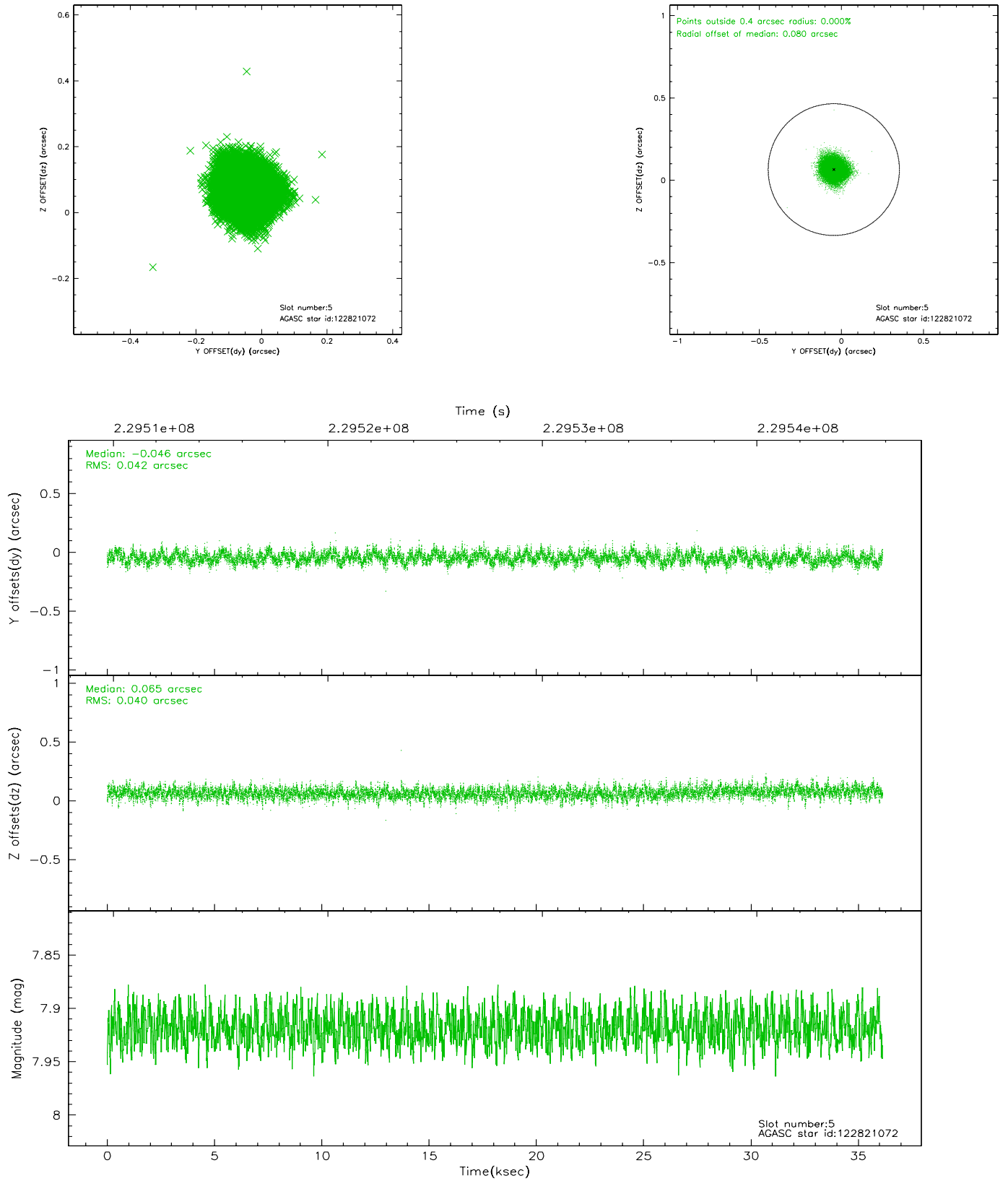
2.4.1 Slot 3



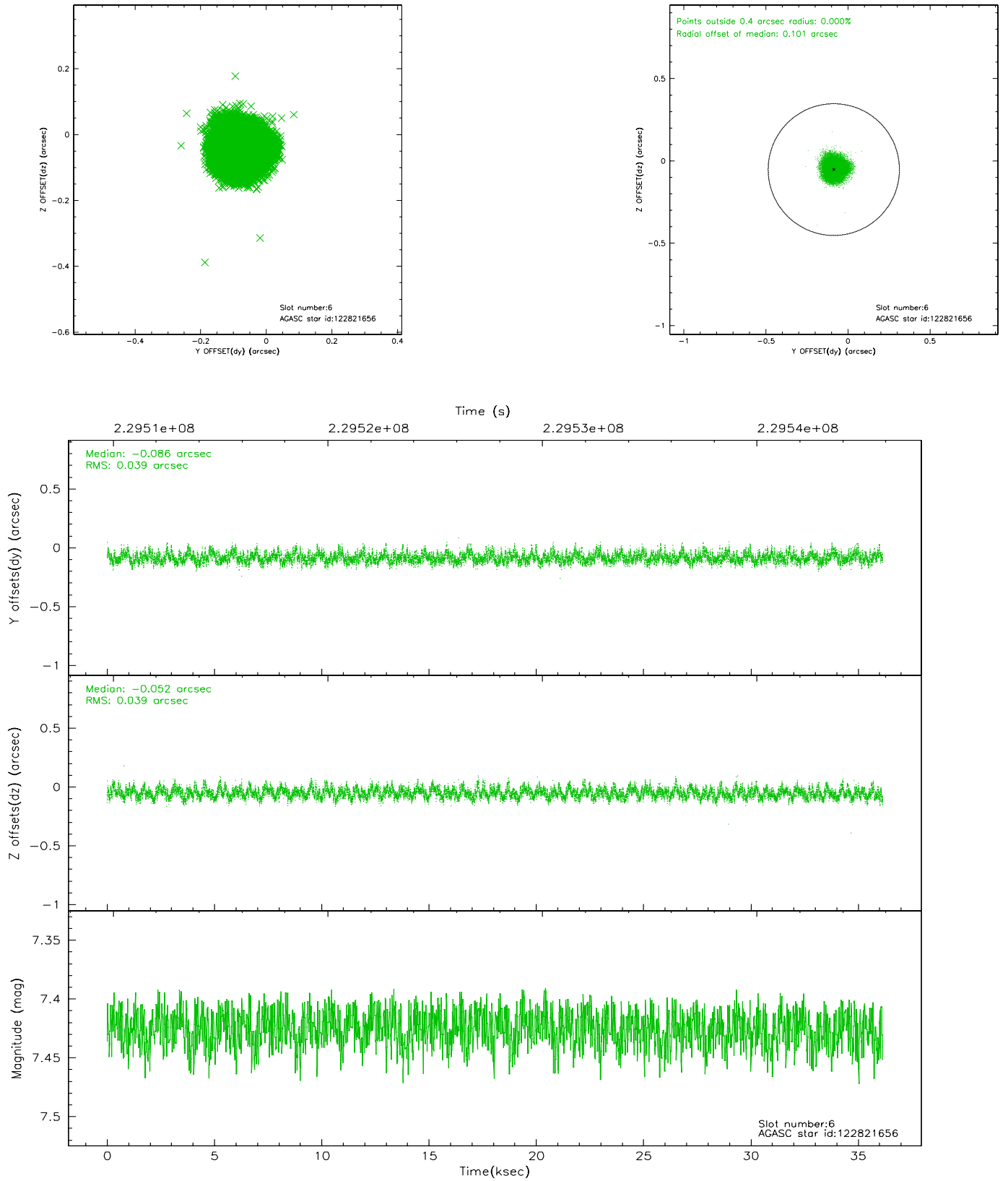
2.4.2 Slot 4



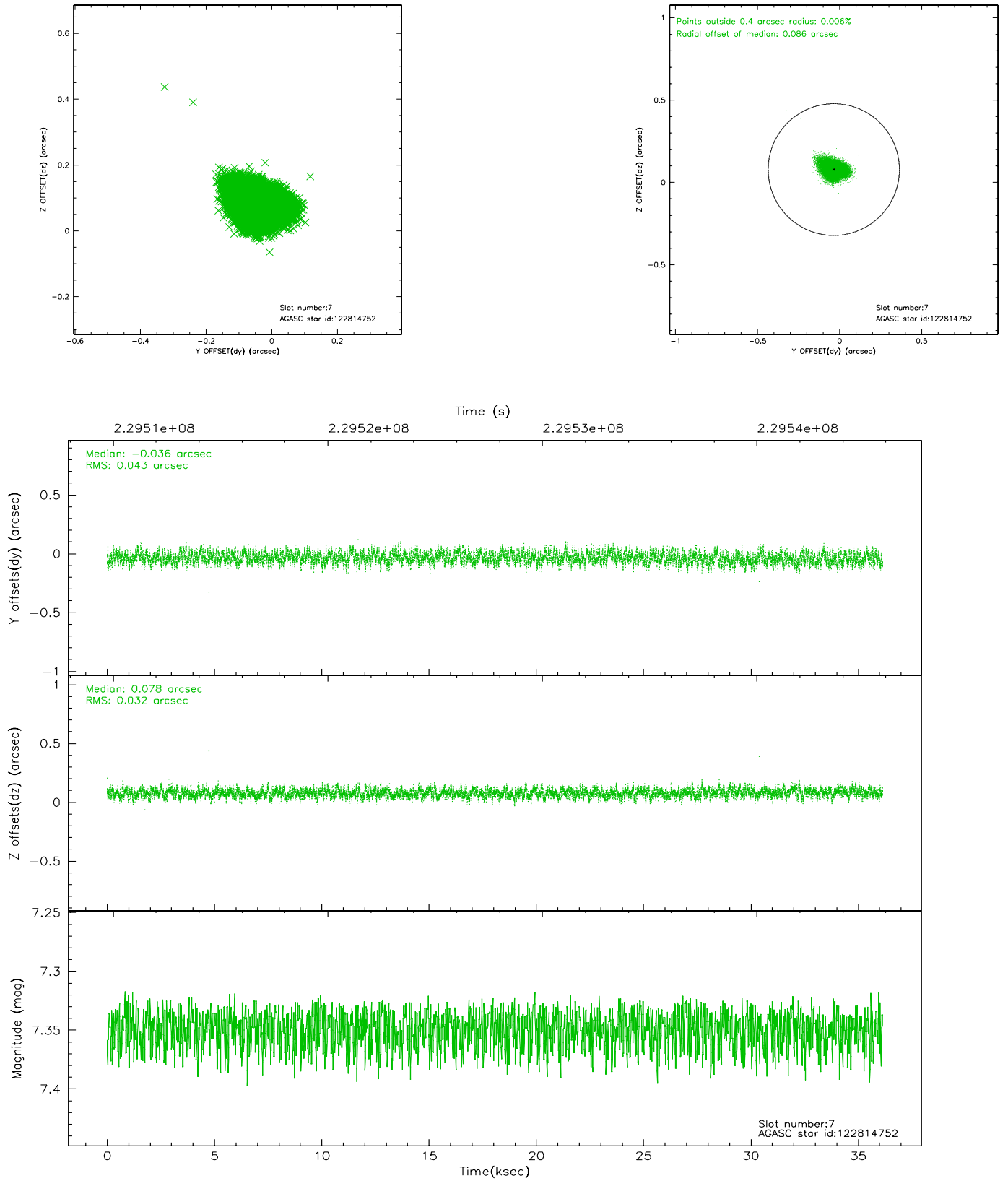
2.4.3 Slot 5



2.4.4 Slot 6

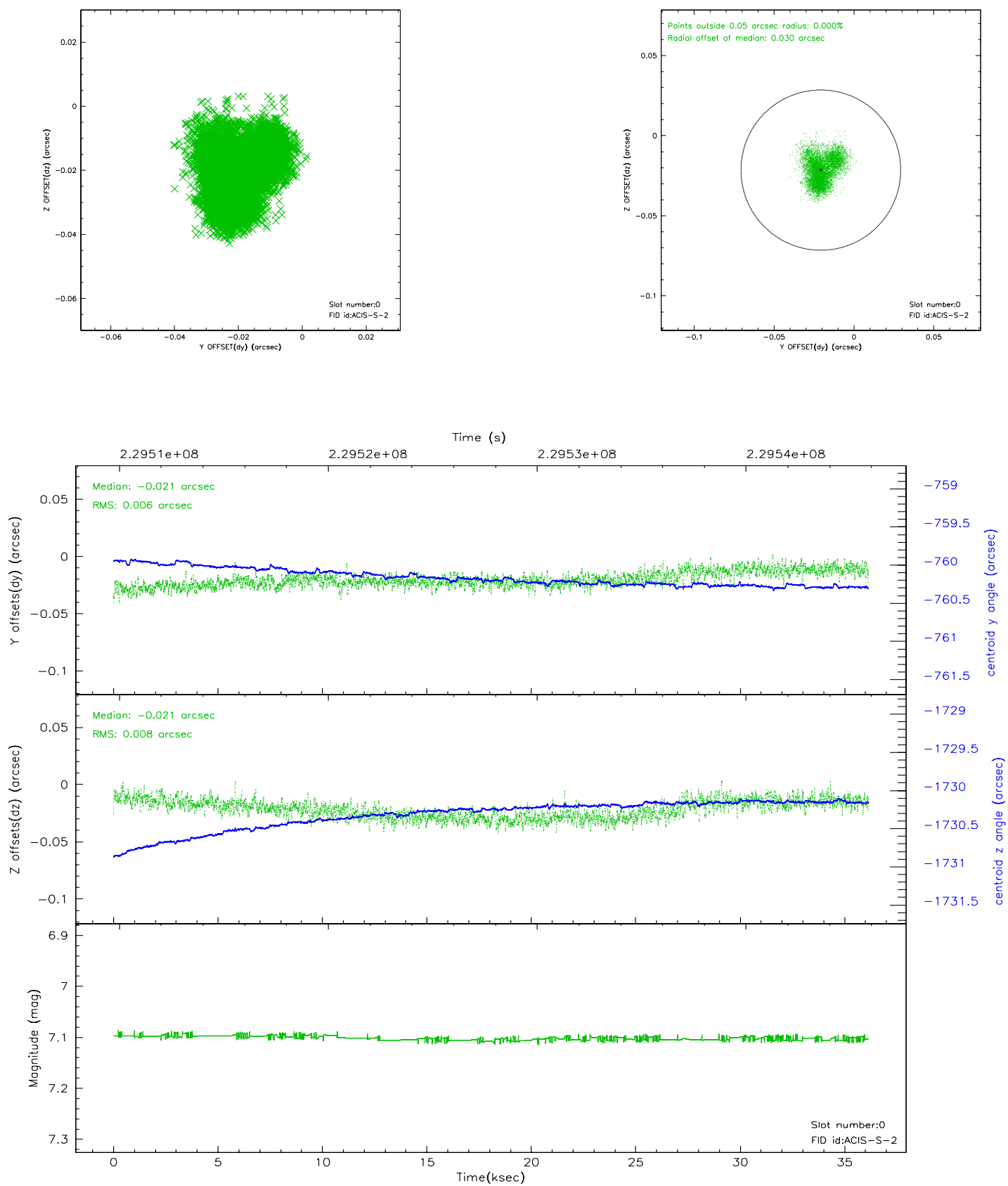


2.4.5 Slot 7

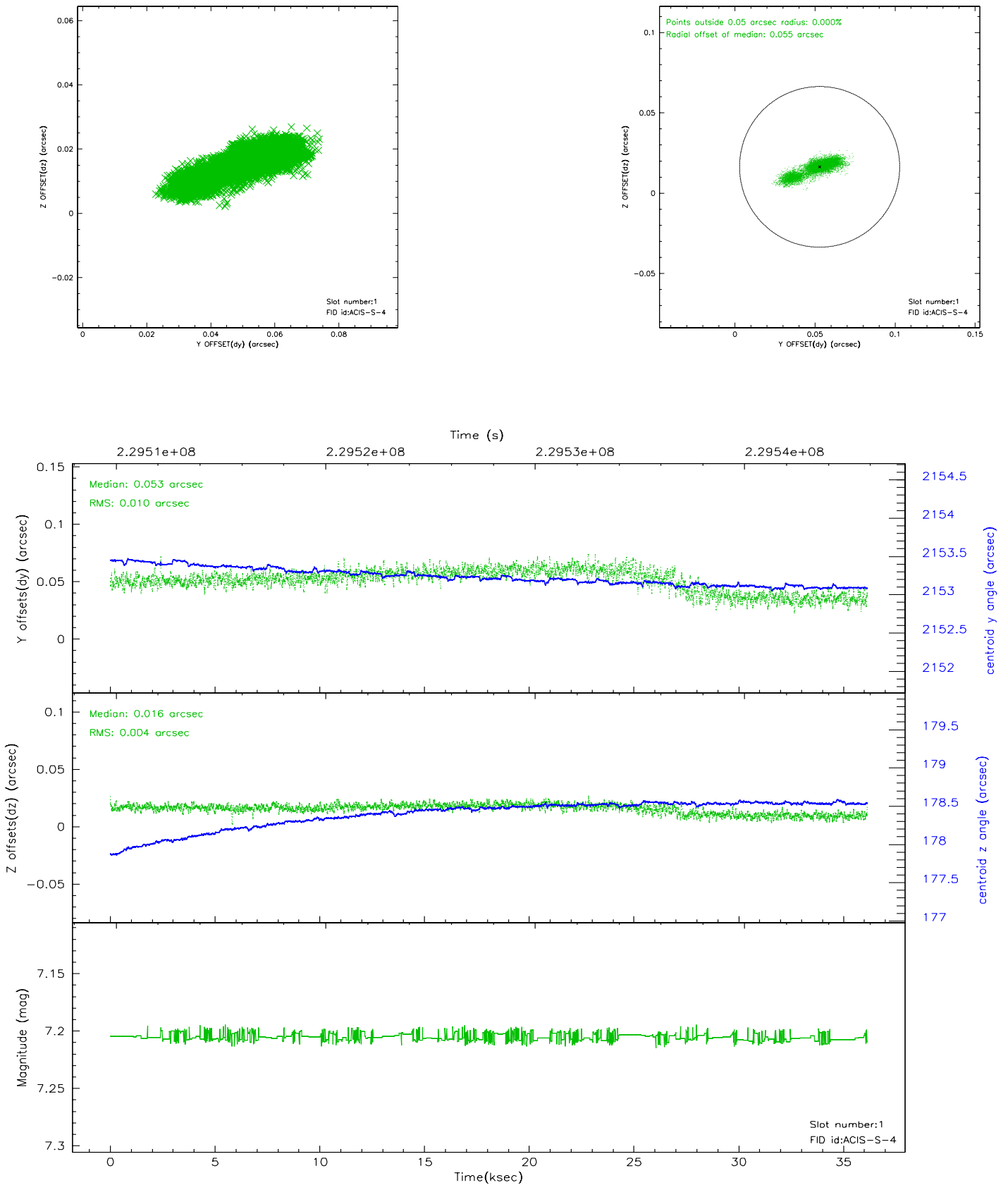


2.5 FID Slots

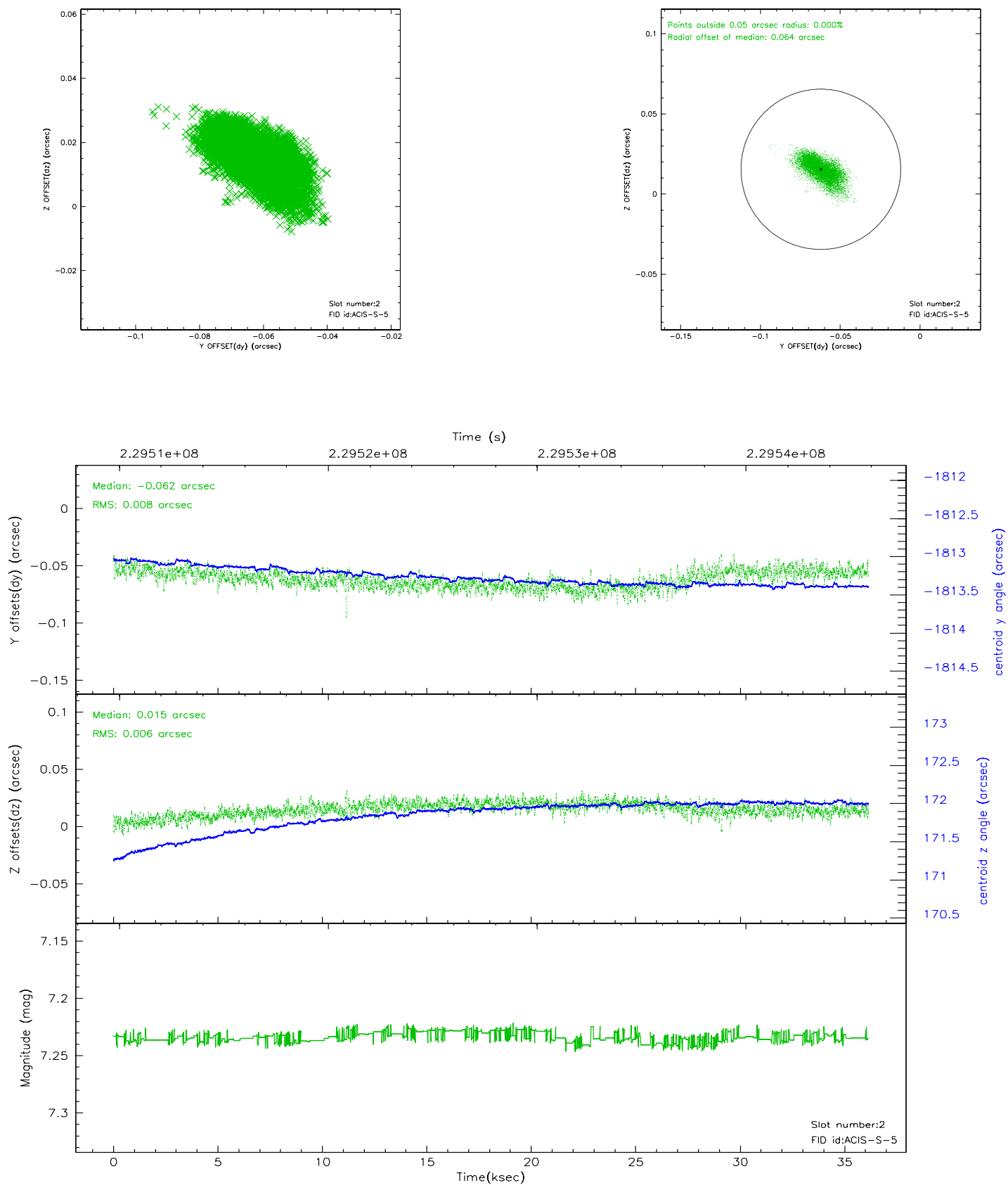
2.5.1 Slot 0



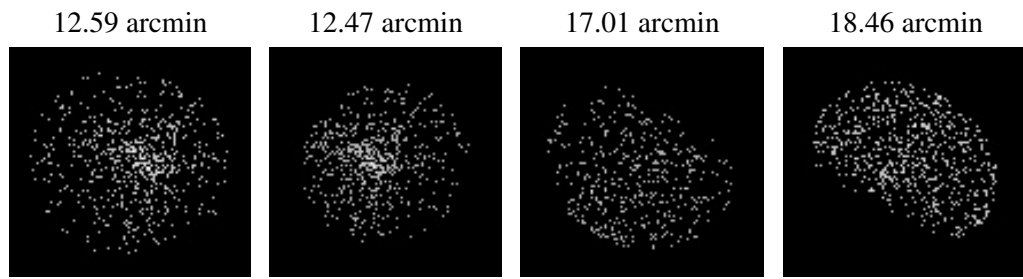
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.08319

A.2 Comments