

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4603 - L2 Version 001
Chandra X-Ray Center

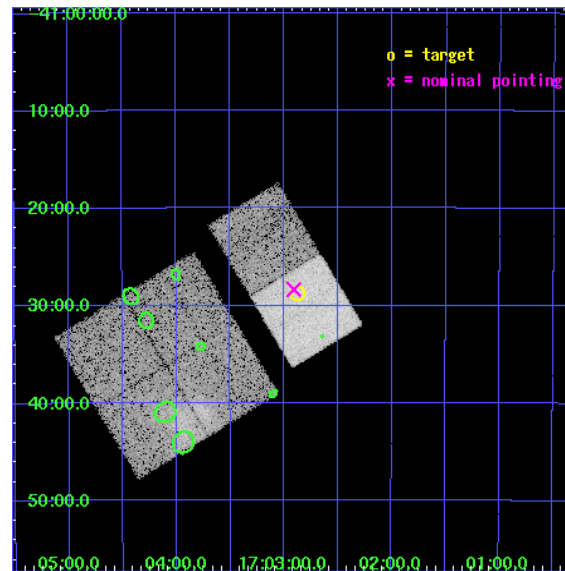
L2 Processing Date : May 20 2006

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1 Front

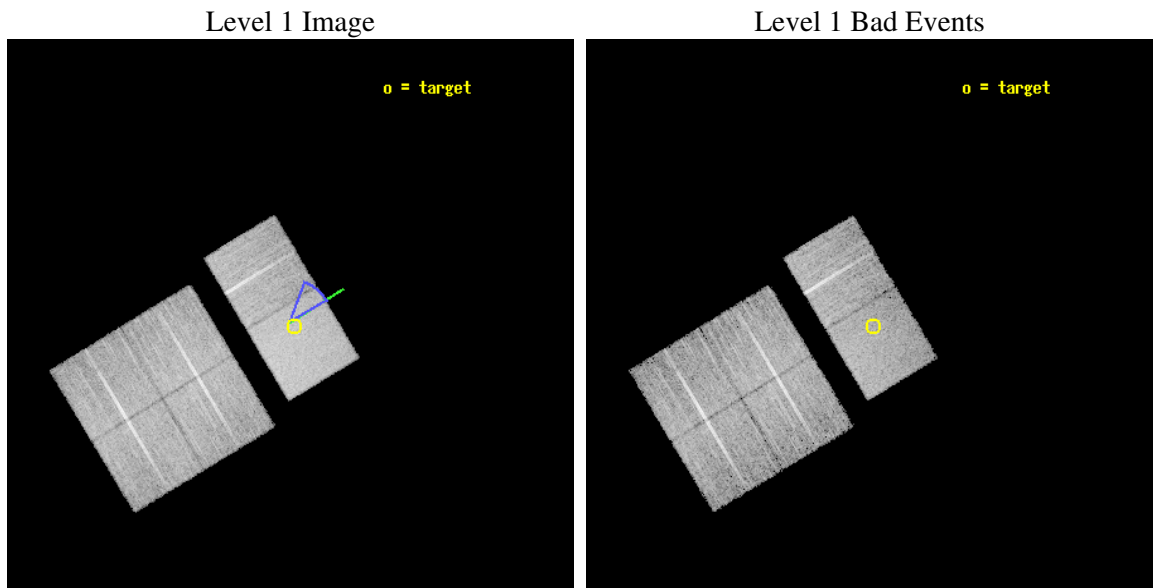
seq_num	500428
obs_id	4603
title	Snapshot Observation of two Recently Discovered Radio Pulsars
observer	Professor Gordon Garmire
object	PSR J1702-4128
dtcycle	0
cycle	P
ra_targ	255.71875
dec_targ	-41.480056
ra_nom	255.72724955093
dec_nom	-41.472726761415
roll_nom	58.901797733555
revision	2
ontime	10518.399960816
livetime	10385.209647092
ontime0	10518.399960816
ontime1	10518.399960816
ontime2	10518.399960816
ontime3	10518.399960816
ontime6	10518.399960816
ontime7	10518.399960816
l2events	95702



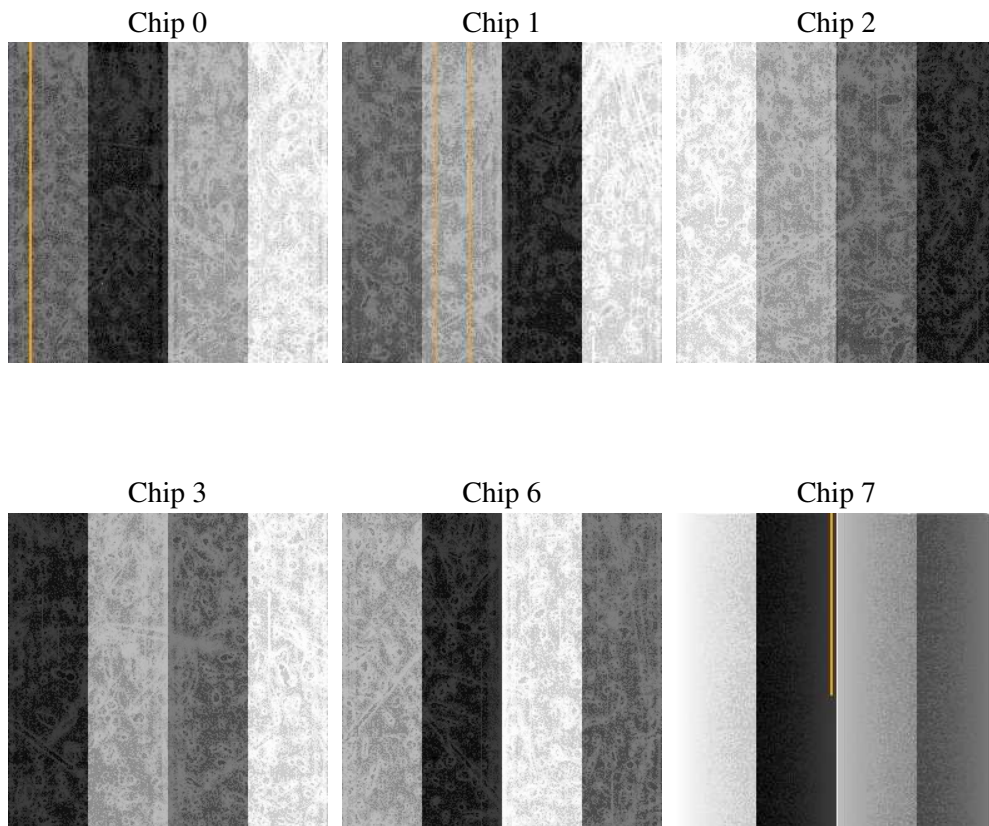
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-20T14:46:05
revision	2

sched_exp_time	10520.000000
ontime	10523.544584244
ontime0	10523.544584244
ontime1	10523.544584244
ontime2	10523.544584244
ontime3	10523.544584244
ontime6	10523.544584244
ontime7	10523.544584244
l1events	488778

2.1.4 Events

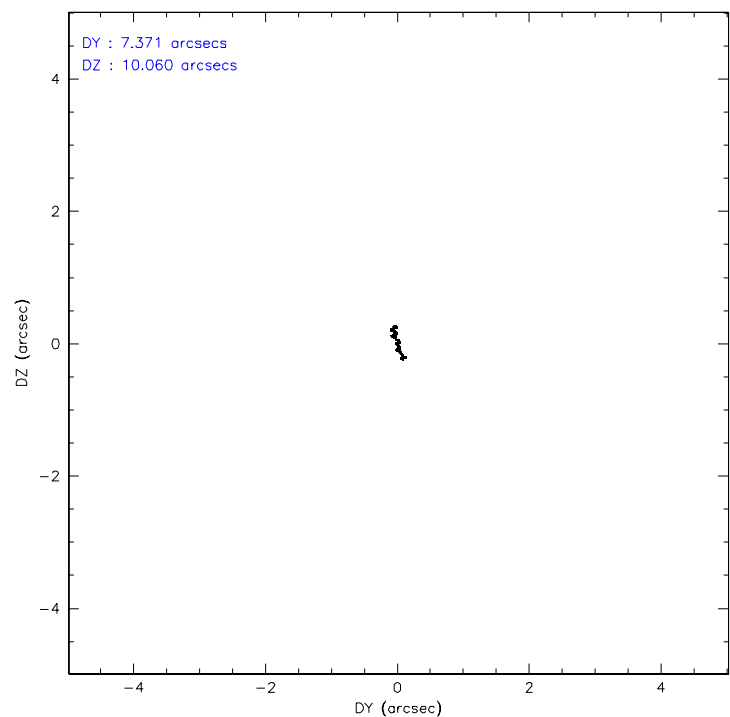
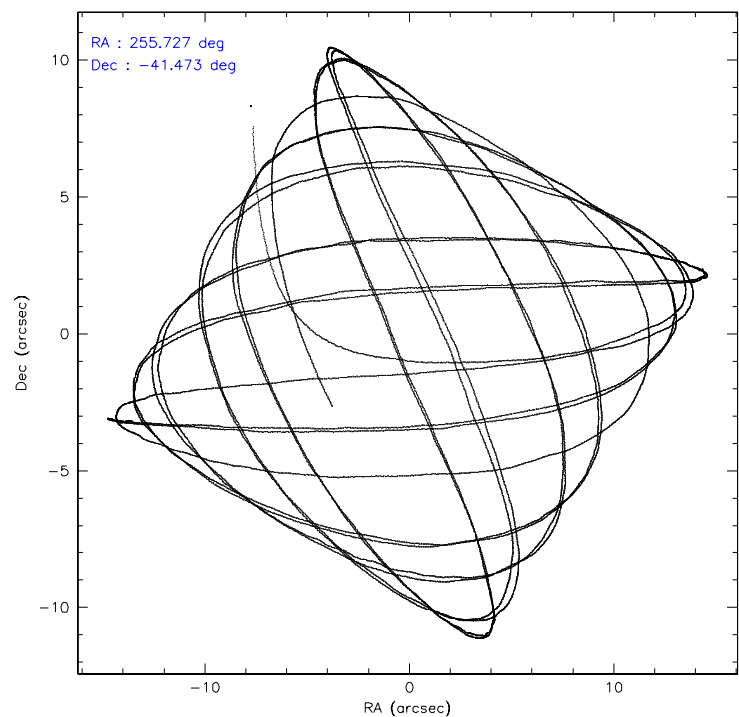
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	73763	74733	78636	76347	79426	105873
rejected events	62686	59298	67636	63851	68213	63545
rejected %	84%	79%	86%	83%	85%	60%

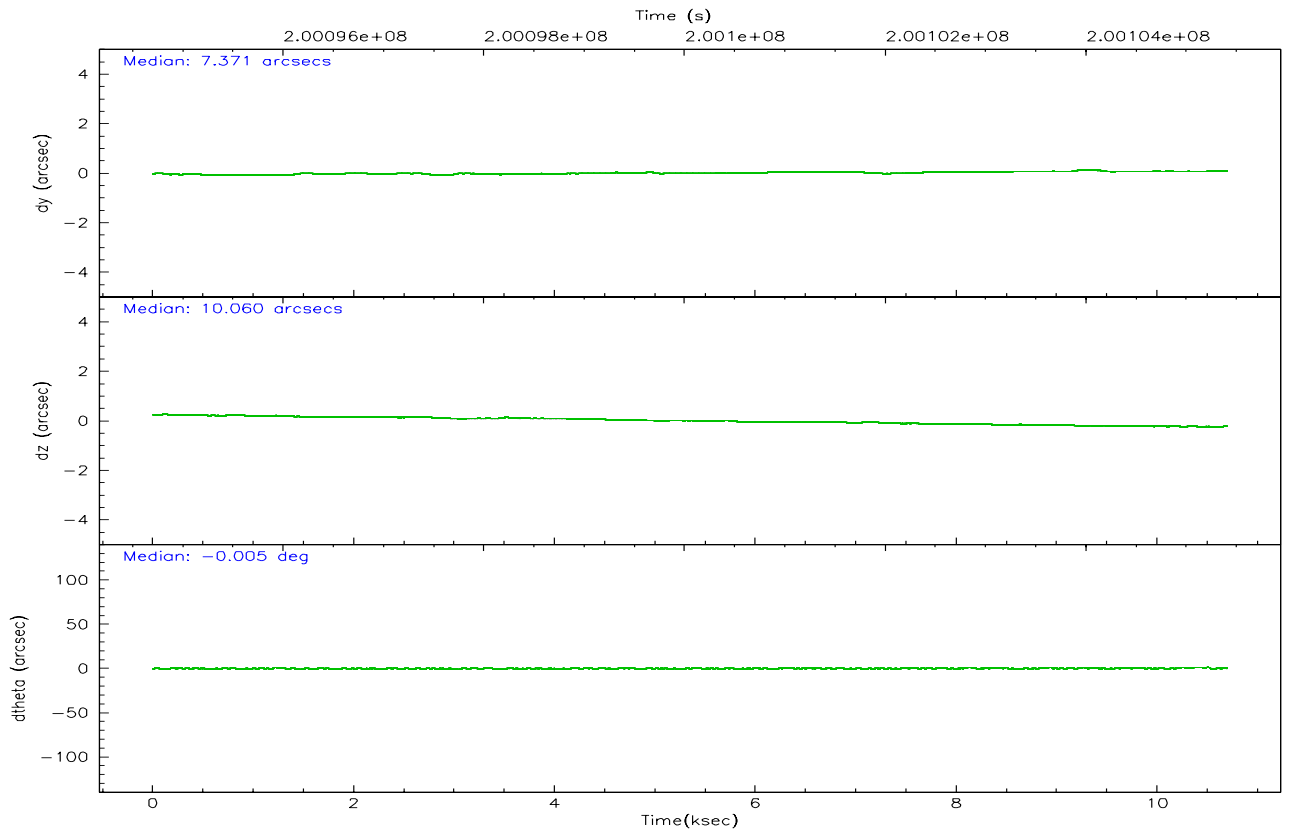
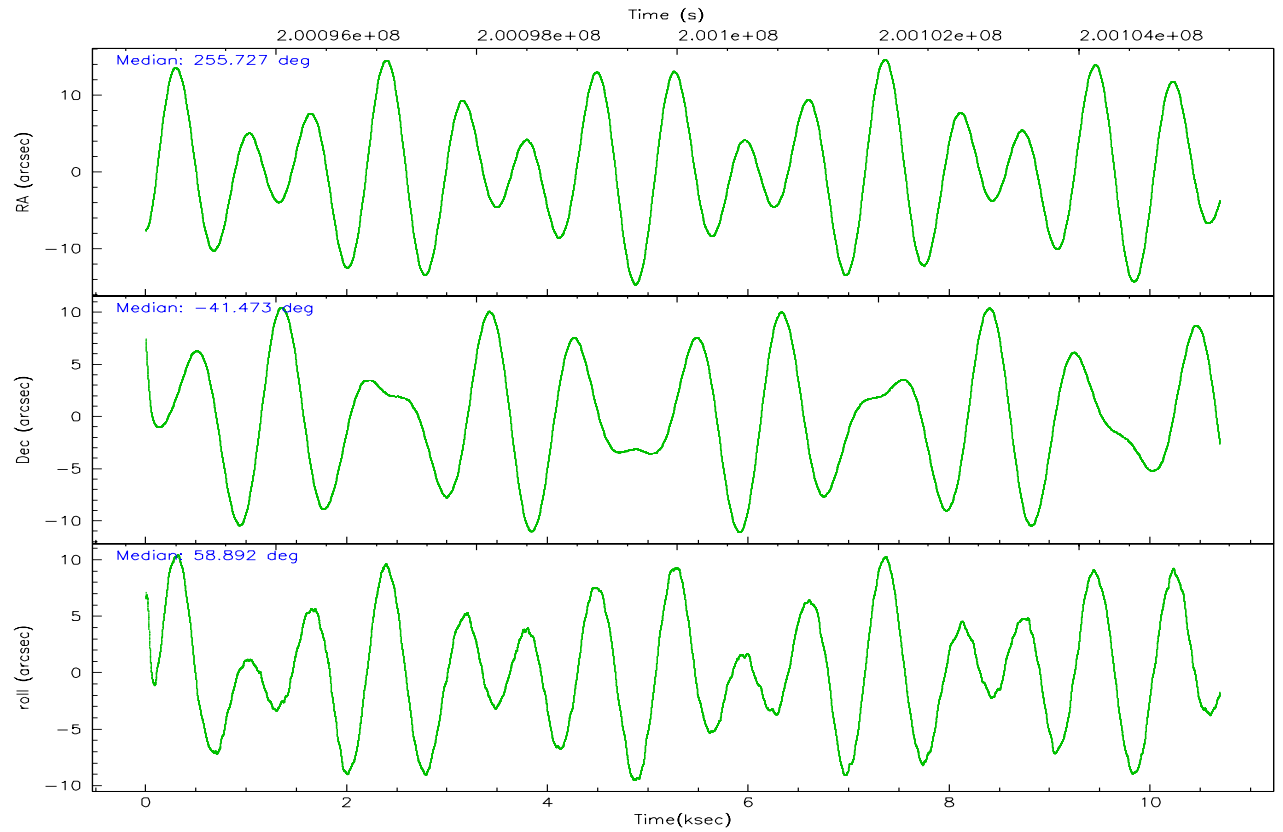
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5457	8403	5523	6798	5268	2570
	7%	11%	7%	8%	6%	2%
grade 1 events	48	54	47	60	45	72
	0%	0%	0%	0%	0%	0%
grade 2 events	2079	2754	1975	2064	2168	10257
	2%	3%	2%	2%	2%	9%
grade 3 events	925	1107	1005	978	964	2174
	1%	1%	1%	1%	1%	2%
grade 4 events	903	1146	922	975	899	2037
	1%	1%	1%	1%	1%	1%
grade 5 events	3093	3302	3043	3265	3556	6877
	4%	4%	3%	4%	4%	6%
grade 6 events	1713	2034	1580	1683	1920	25310
	2%	2%	2%	2%	2%	23%
grade 7 events	59545	55933	64541	60524	64606	56576
	80%	74%	82%	79%	81%	53%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	255.727054	255.7272495509303	Alternating exposures requested	N	N
Pointing Dec	-41.500007	-41.47272676141506	Primary exposure time	0.000000	3.2
Pointing Roll	58.745020	58.9017977335555			
Roll angle	40.000000	40.000000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	N	N			
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	200094883.184000	200093771.83336			
Observation start date	2004-05-04T21:53:39	2004-05-04T21:36:11			
Observation end time	200105403.184000	200106641.22142			
Observation end date	2004-05-05T00:48:59	2004-05-05T01:10:41			
Read mode	TIMED	TIMED			

2.3 Aspect



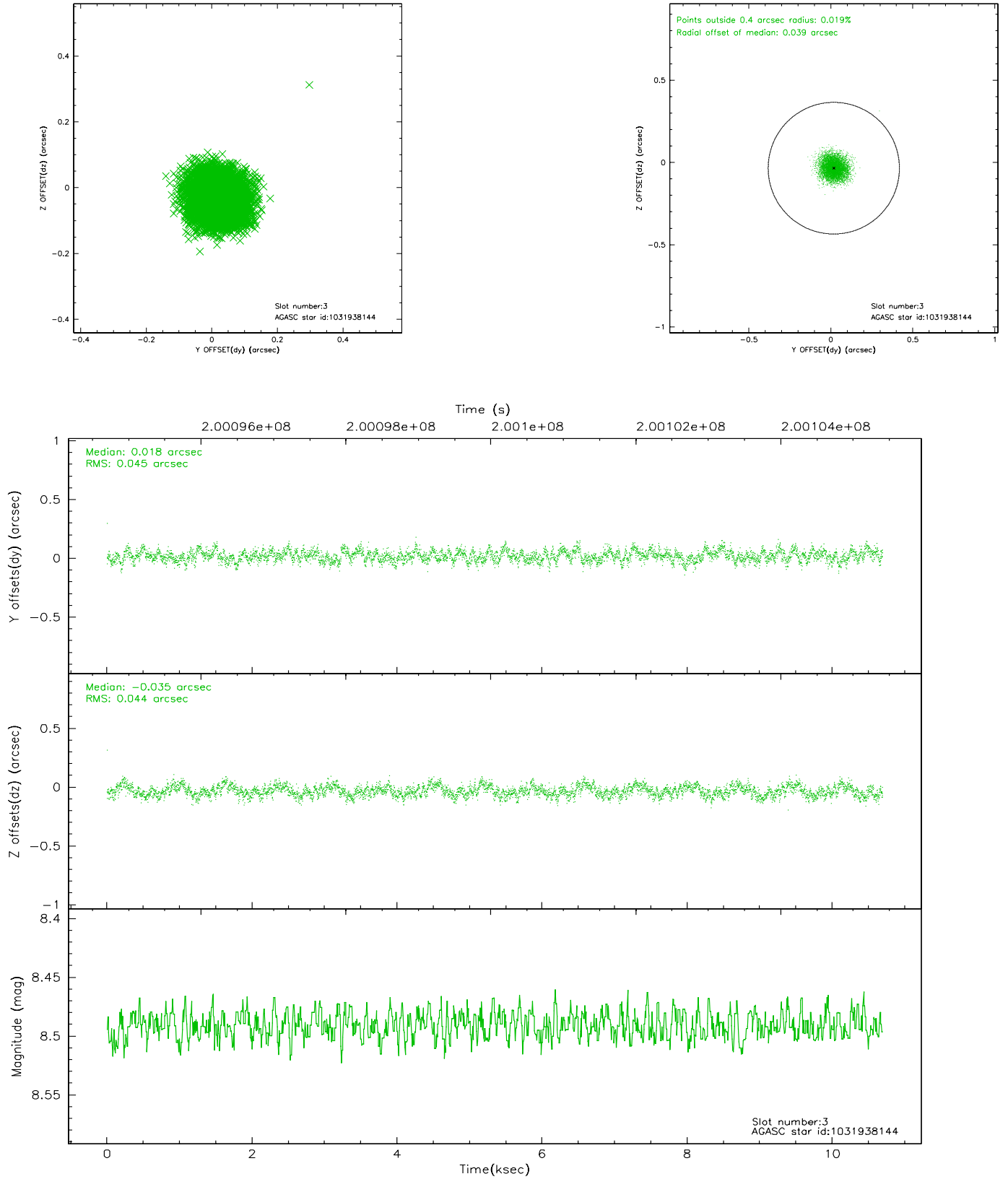


Slot Statistics

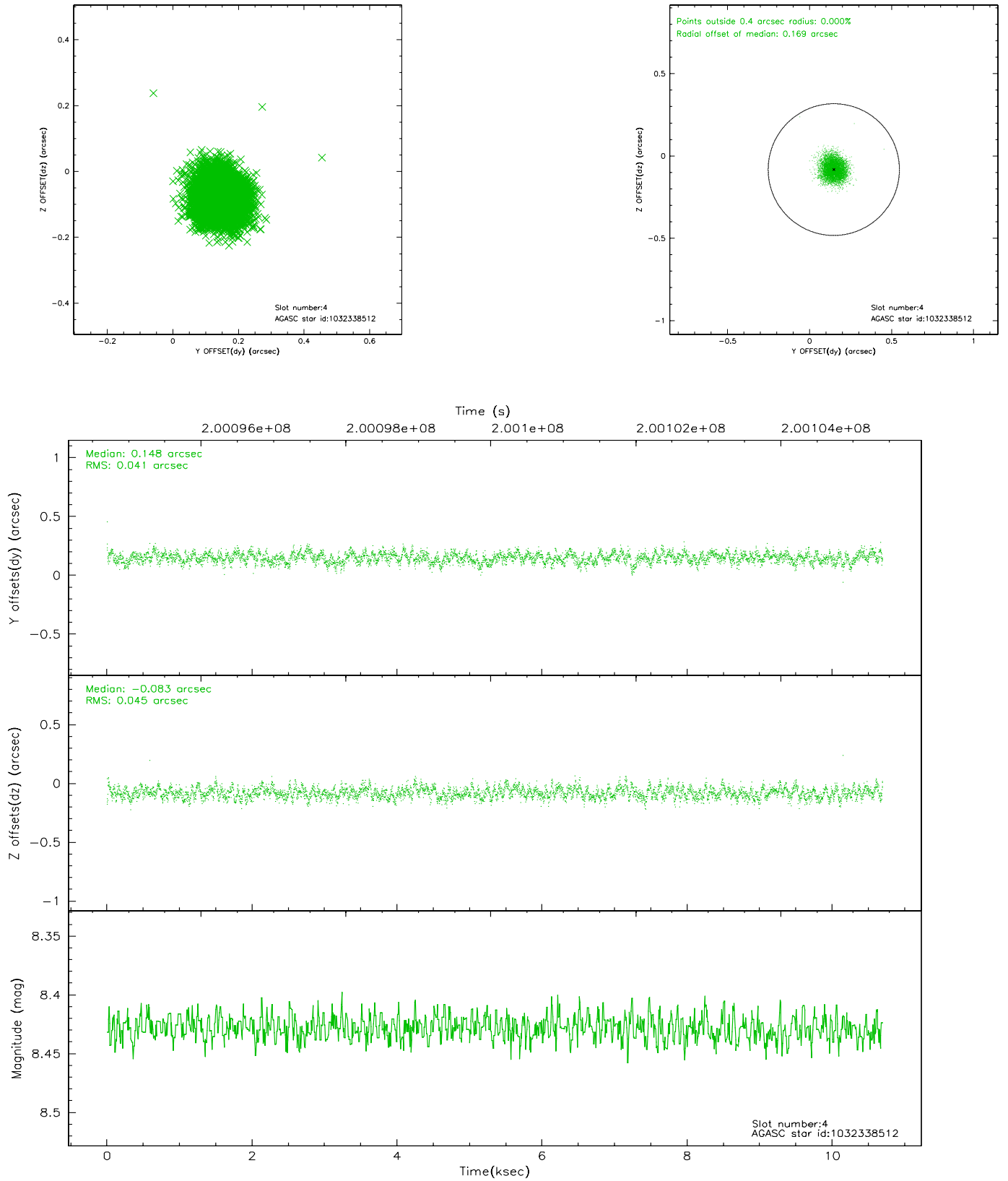
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2610	-0.031	0.008	0.008	0.013	0.000000	0.000000	-760.13	-1731.32
1	FID	ACIS-S-4	7.20	2609	0.034	0.013	0.006	0.011	0.000000	0.000000	2152.95	176.73
2	FID	ACIS-S-5	7.23	2610	-0.034	-0.012	0.009	0.015	0.000000	0.000000	-1812.39	170.84
3	GUIDE	1031938144	8.49	5217	0.018	-0.035	0.068	0.107	255.693343	-40.912652	1759.88	1175.65
4	GUIDE	1032338512	8.43	5219	0.148	-0.083	0.065	0.102	254.833160	-41.405214	-971.21	2233.75
5	GUIDE	1031937520	8.22	5218	-0.078	0.173	0.057	0.092	256.333720	-41.104608	2065.72	-670.42
6	GUIDE	1032338640	8.78	5217	0.059	-0.275	0.071	0.122	254.873262	-41.277846	-524.47	2383.00
7	GUIDE	1032461400	8.89	5217	-0.147	0.218	0.070	0.115	256.843727	-41.417736	1800.97	-2432.68

2.4 Star Slots

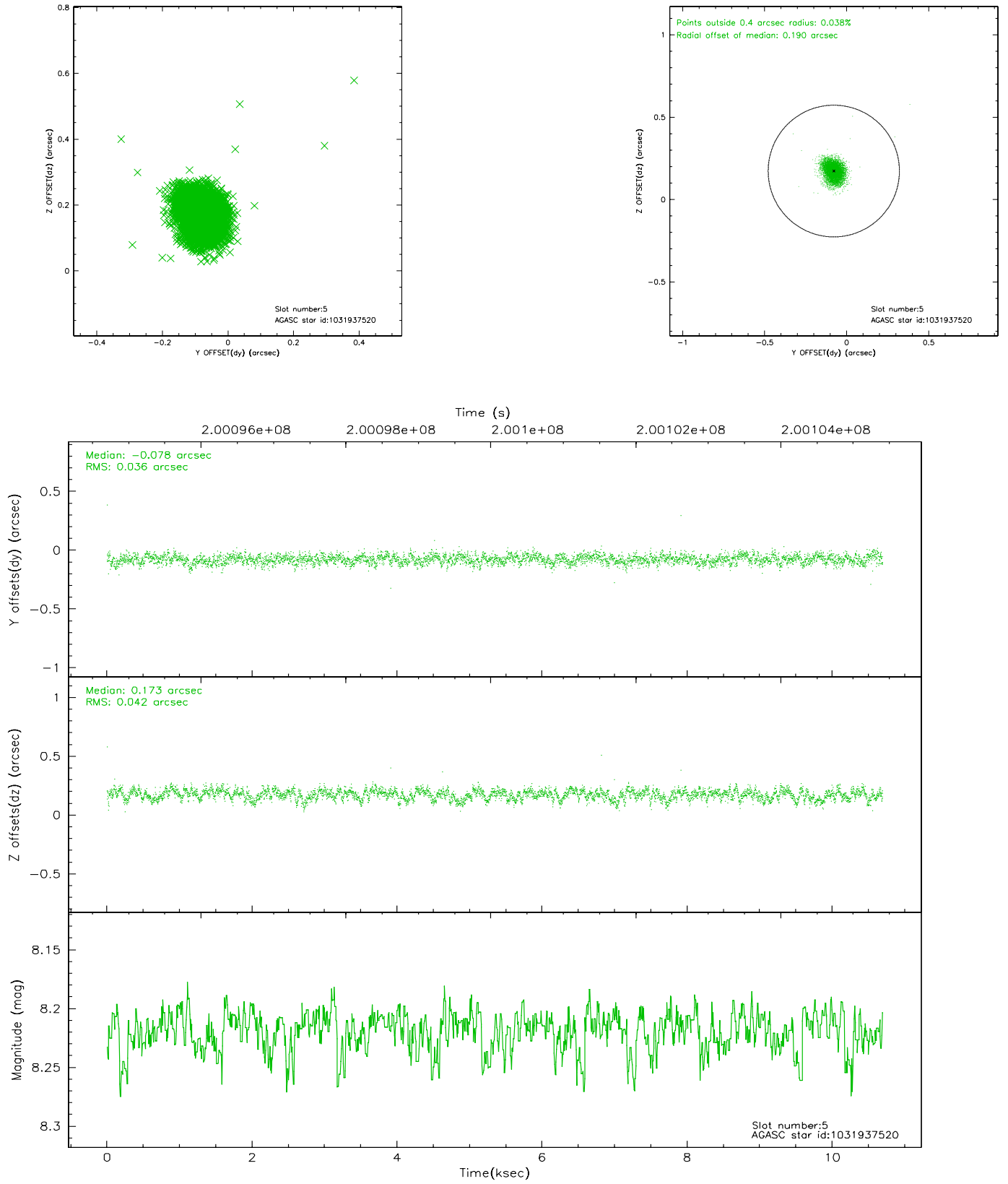
2.4.1 Slot 3



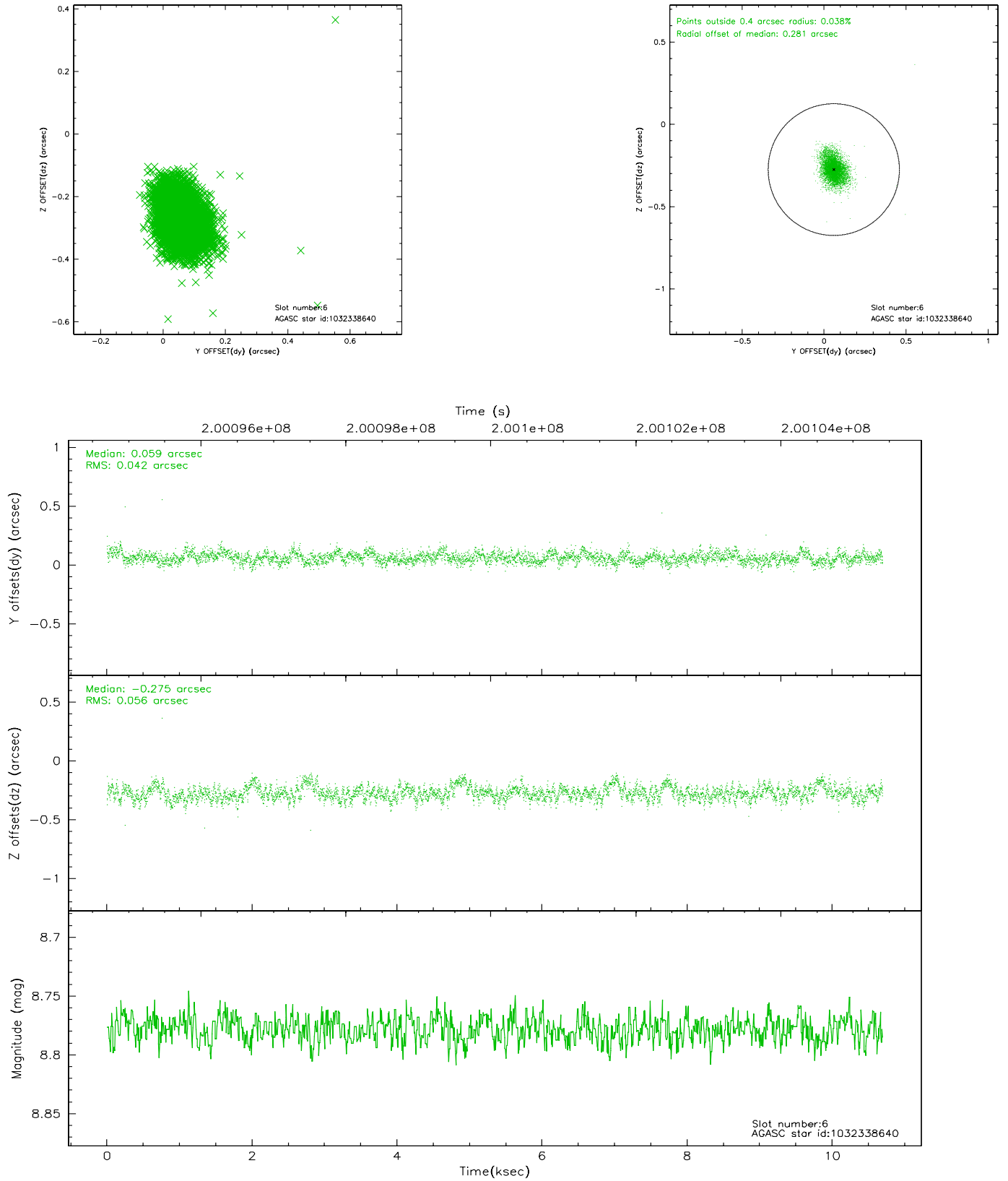
2.4.2 Slot 4



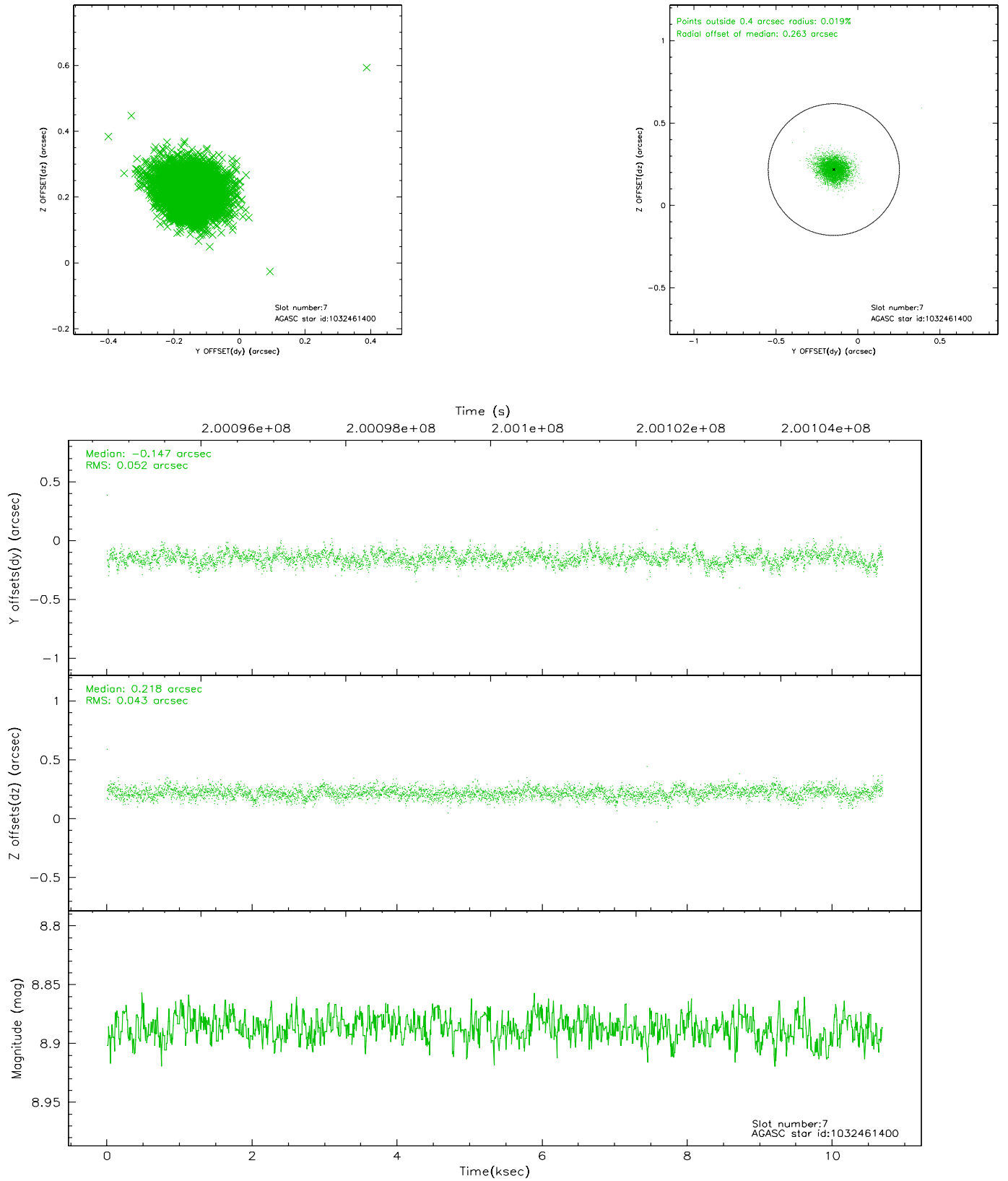
2.4.3 Slot 5



2.4.4 Slot 6

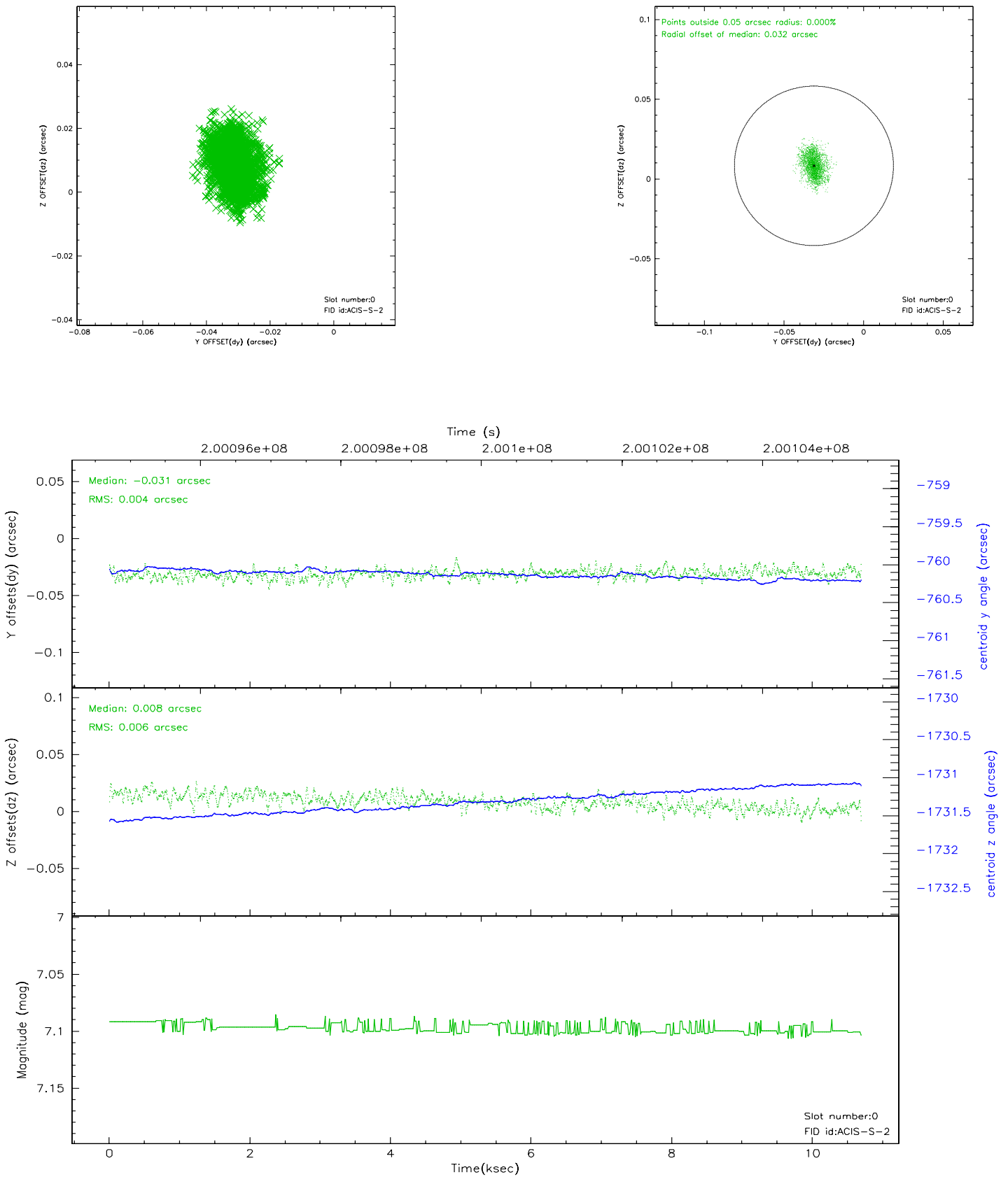


2.4.5 Slot 7

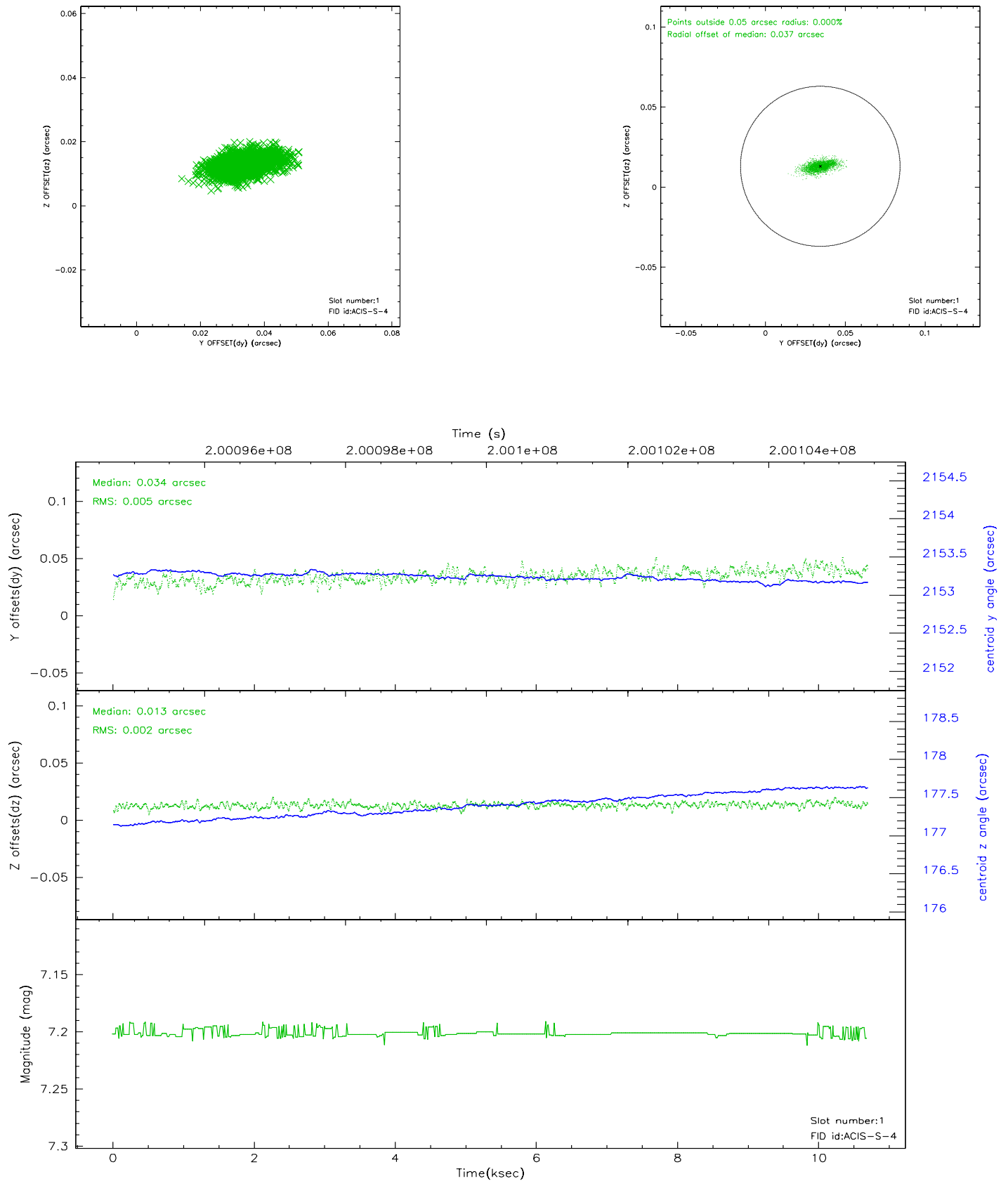


2.5 FID Slots

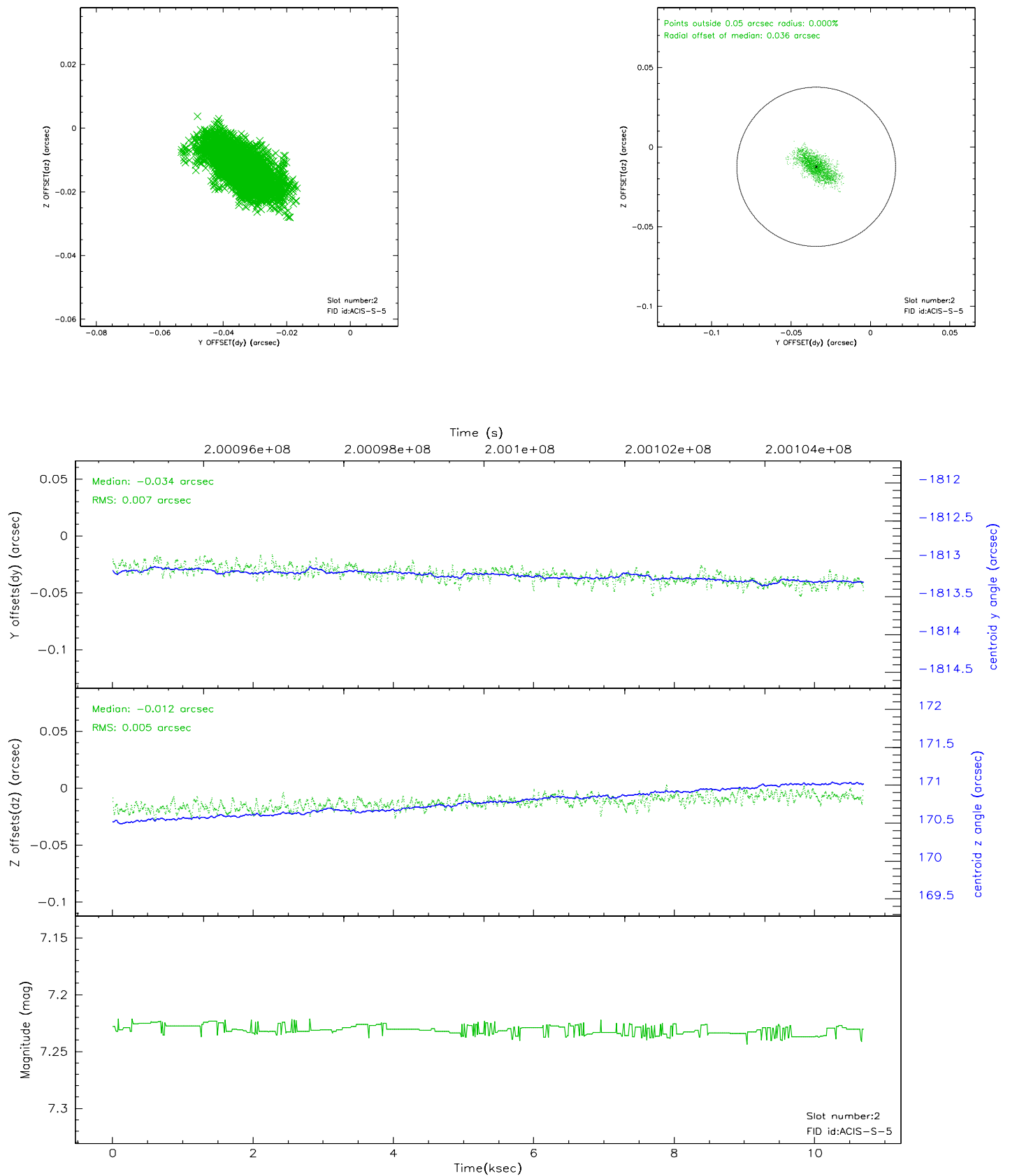
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

16.97 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.518

A.2 Comments

Roll constraint satisfied.