

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5590 - L2 Version 002
Chandra X-Ray Center

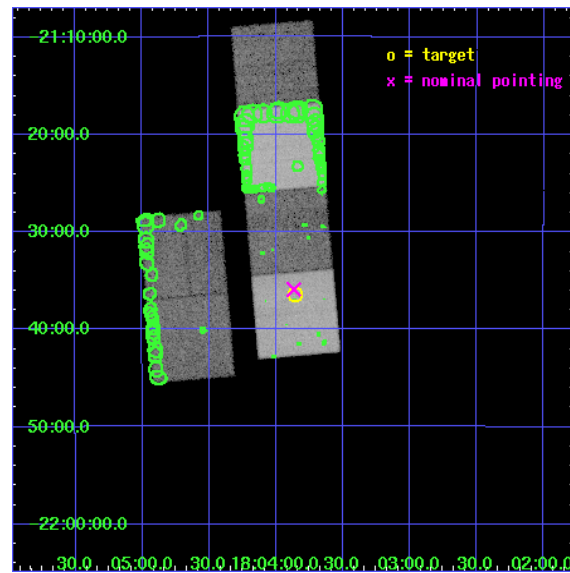
L2 Processing Date: Mar 3 2006

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1 Front

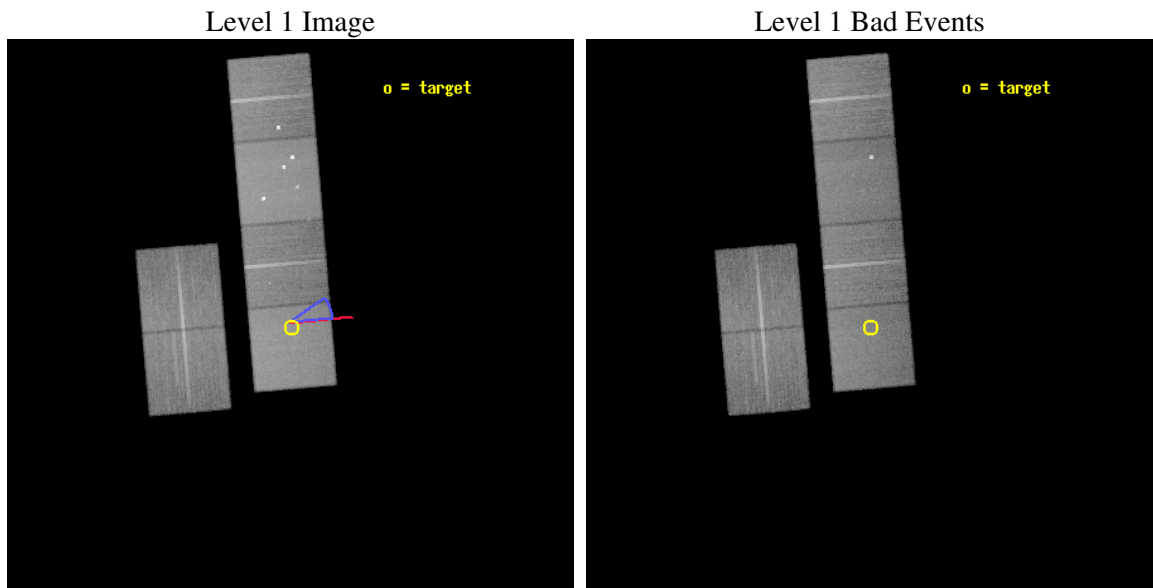
seq_num	500579
obs_id	5590
title	Vela-like PSR B1800-21 and its environment
observer	Prof. Gordon Garmire
object	PSR B1800-21
dtcycle	0
cycle	P
ra_targ	270.96375
dec_targ	-21.608056
ra_nom	270.96643114114
dec_nom	-21.598714375478
roll_nom	85.157617580524
revision	2
ontime	30623.999885917
livetime	30236.220359802
ontime2	30620.758995265
ontime3	30623.999885917
ontime4	30623.999885917
ontime5	30623.999885917
ontime6	30623.999885917
ontime7	30623.999885917
l2events	376322



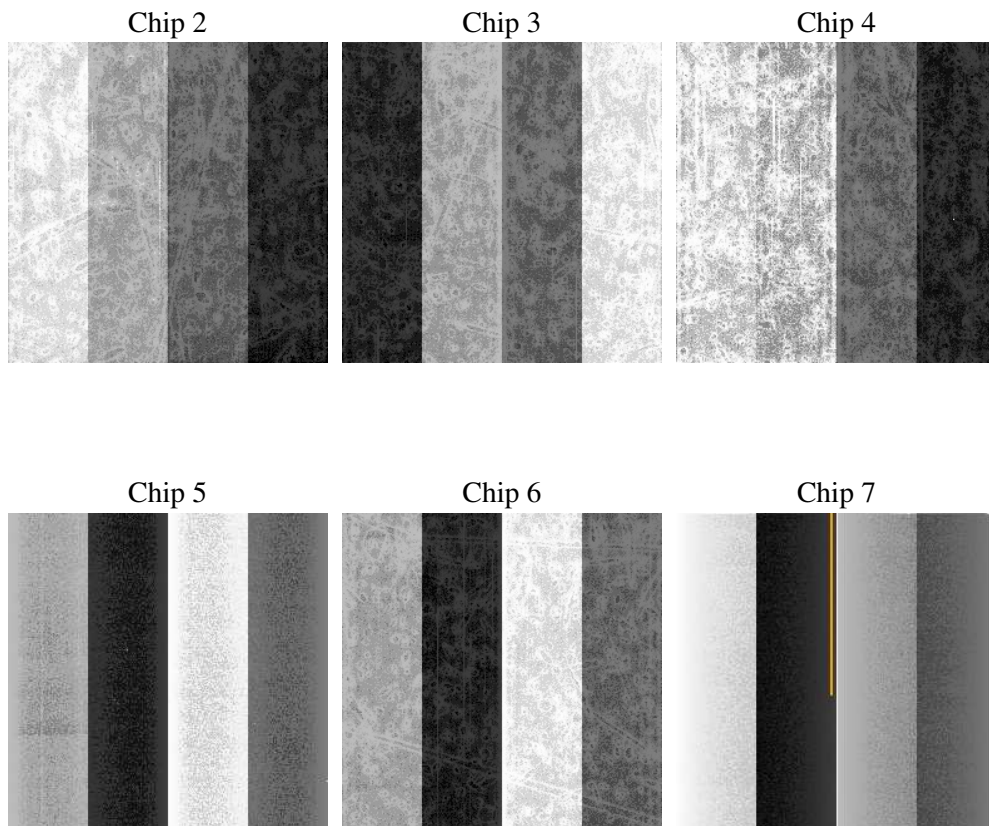
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-03-03T06:52:12
revision	2

sched_exp_time	30500.000000
ontime	32037.351368964
ontime2	32034.110458404
ontime3	32037.351349056
ontime4	32037.351349056
ontime5	32037.351349056
ontime6	32037.351349056
ontime7	32037.351368964
l1events	1735931

2.1.4 Events

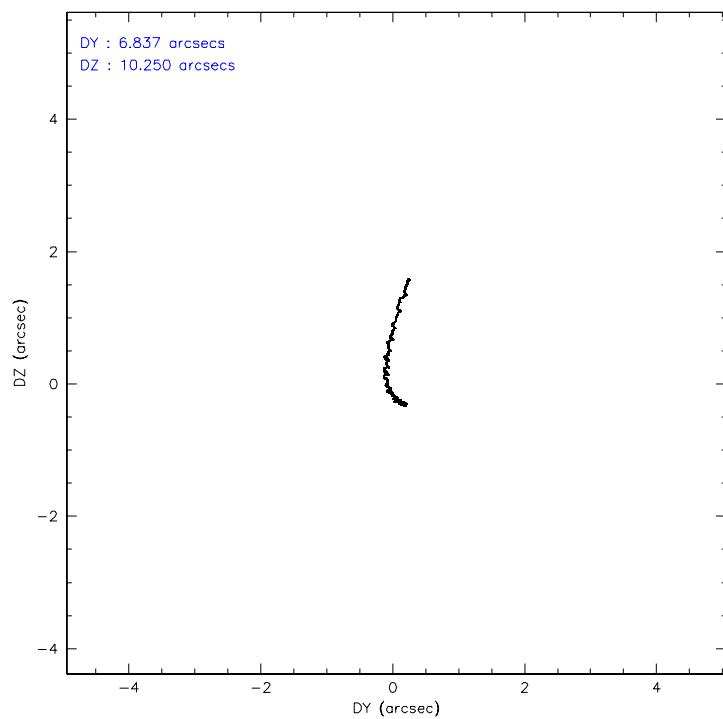
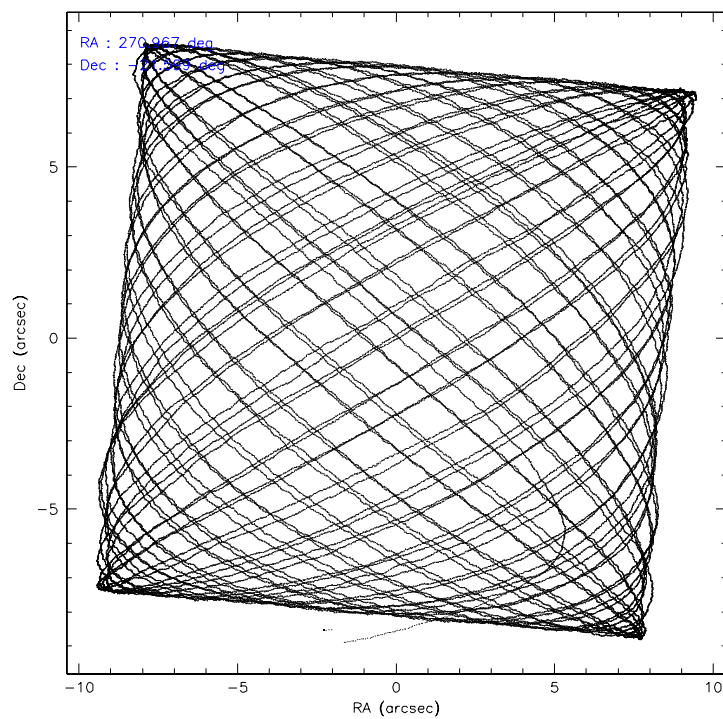
	ccd 2	ccd 3	ccd 4	ccd 5	ccd 6	ccd 7
level 1 events	239333	239563	282084	384795	249436	340720
rejected events	210005	209983	244211	217538	217944	214453
rejected %	87%	87%	86%	56%	87%	62%

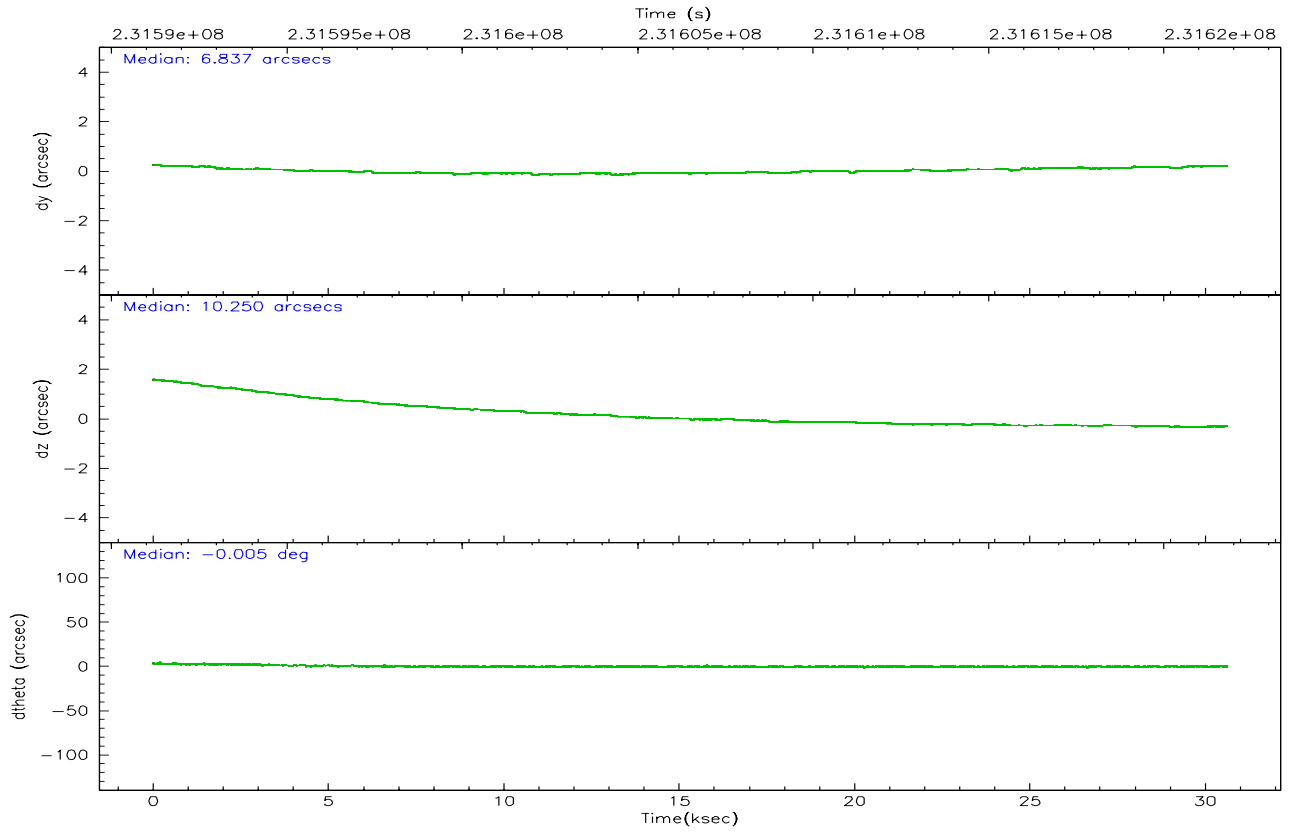
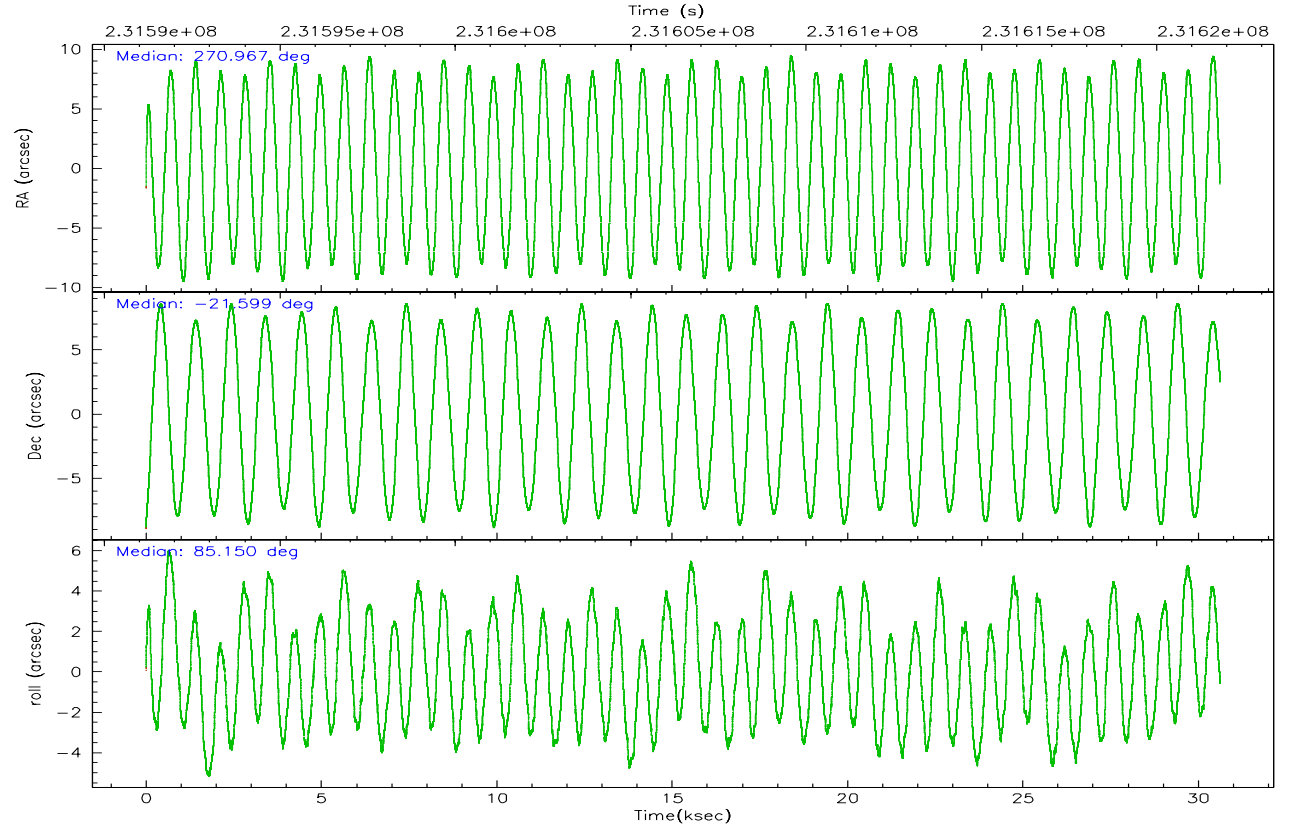
	ccd 2	ccd 3	ccd 4	ccd 5	ccd 6	ccd 7
grade 0 events	14521	14353	21916	20231	15342	7920
	6%	5%	7%	5%	6%	2%
grade 1 events	176	159	296	295	306	226
	0%	0%	0%	0%	0%	0%
grade 2 events	5953	5777	6616	54410	6933	33890
	2%	2%	2%	14%	2%	9%
grade 3 events	2740	2814	3247	3536	3065	6933
	1%	1%	1%	0%	1%	2%
grade 4 events	2736	2872	2920	3326	2986	6608
	1%	1%	1%	0%	1%	1%
grade 5 events	9559	10902	11102	17853	11373	21665
	3%	4%	3%	4%	4%	6%
grade 6 events	4748	5199	4799	93642	6147	77688
	1%	2%	1%	24%	2%	22%
grade 7 events	198900	197487	231188	191502	203284	185790
	83%	82%	81%	49%	81%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-234567	ACIS-234567	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	270.979244	270.9664311411412	Alternating exposures requested	N	N
Pointing Dec	-21.623205	-21.59871437547768	Primary exposure time	0.000000	3.2
Pointing Roll	85.005713	85.15761758052436			
Roll angle	70.000000	70.000000			
Roll tolerance	15.000000	15.000000			
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	231591309.184000	231589561.70762			
Observation start date	2005-05-04T10:54:05	2005-05-04T10:26:01			
Observation end time	231621809.184000	231622426.79662			
Observation end date	2005-05-04T19:22:25	2005-05-04T19:33:46			
Read mode	TIMED	TIMED			

2.3 Aspect



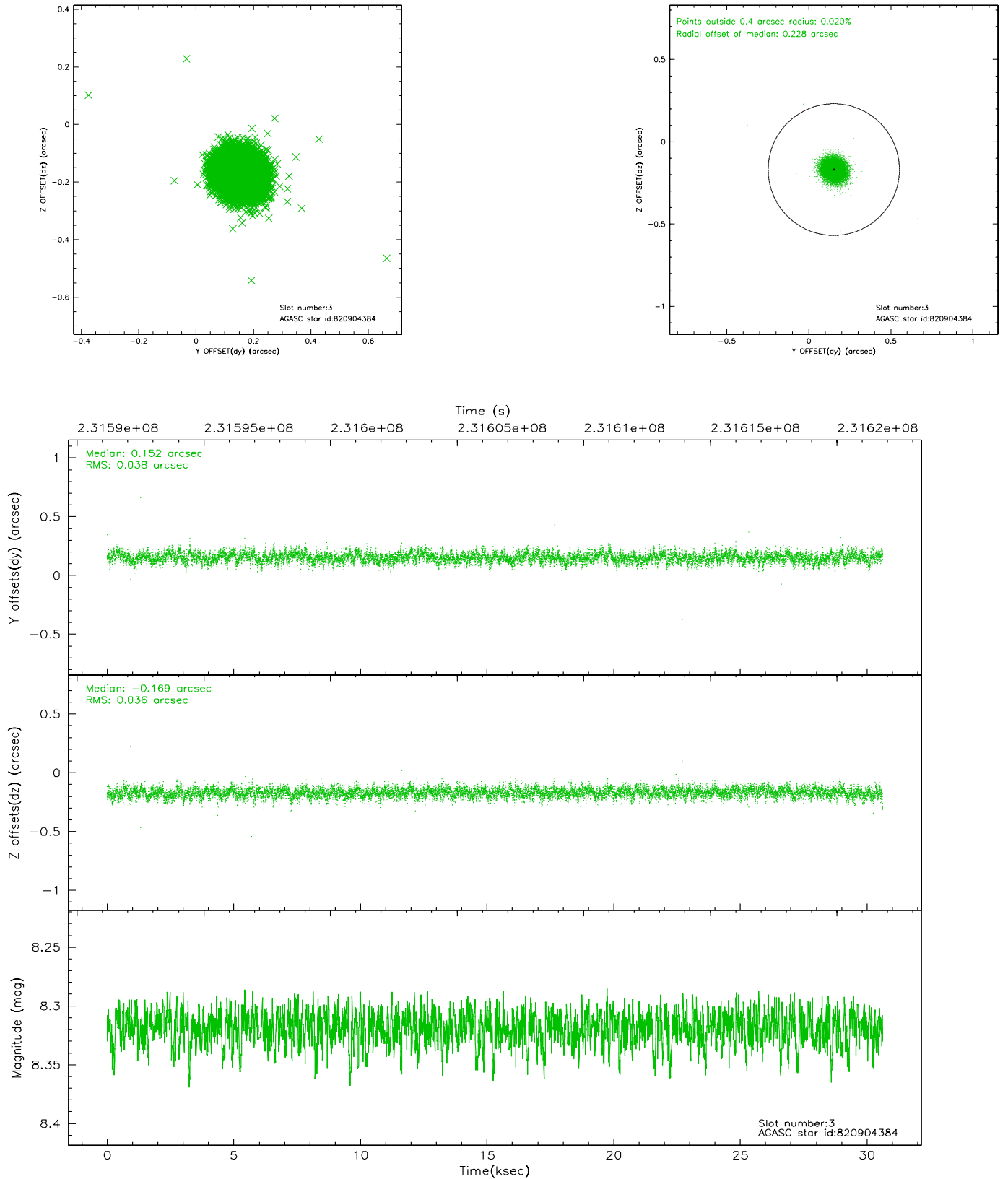


Slot Statistics

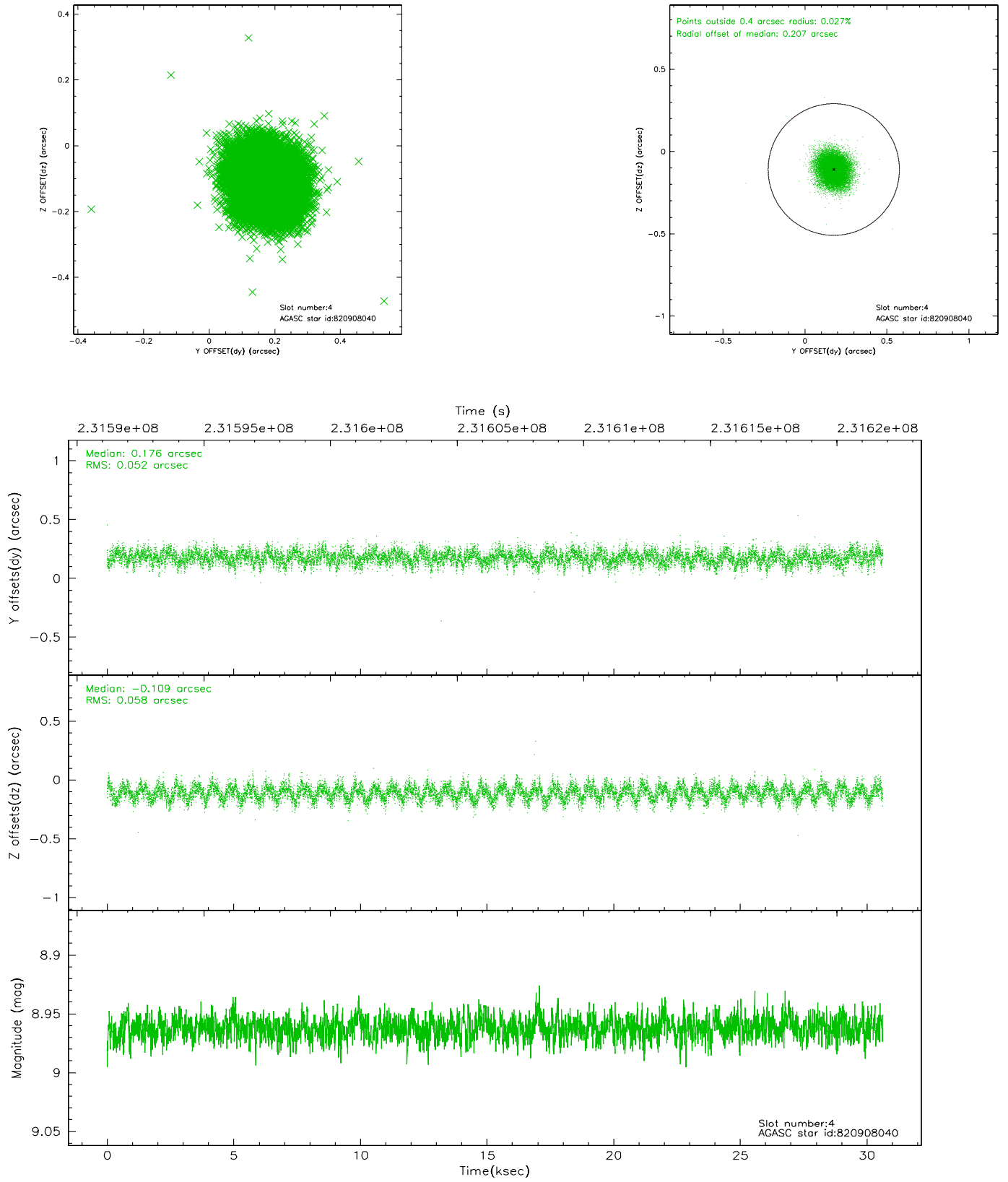
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7471	-0.049	-0.004	0.011	0.025	0.000000	0.000000	-759.62	-1731.73
1	FID	ACIS-S-4	7.21	7471	0.057	0.025	0.014	0.032	0.000000	0.000000	2153.70	176.76
2	FID	ACIS-S-5	7.23	7471	-0.038	-0.011	0.012	0.018	0.000000	0.000000	-1812.40	170.41
3	GUIDE	820904384	8.32	14931	0.152	-0.169	0.055	0.090	270.591600	-21.963127	-1333.19	1182.55
4	GUIDE	820908040	8.96	14938	0.176	-0.109	0.083	0.132	270.888554	-22.202158	-2102.47	119.60
5	GUIDE	820924960	8.25	14936	-0.022	-0.089	0.062	0.101	270.663174	-21.508592	317.69	1090.60
6	GUIDE	820910656	8.88	14935	-0.080	0.123	0.072	0.117	271.369896	-21.142203	1837.89	-1155.49
7	GUIDE	820909640	7.95	14937	-0.229	0.248	0.060	0.097	271.713313	-21.505332	631.43	-2412.43

2.4 Star Slots

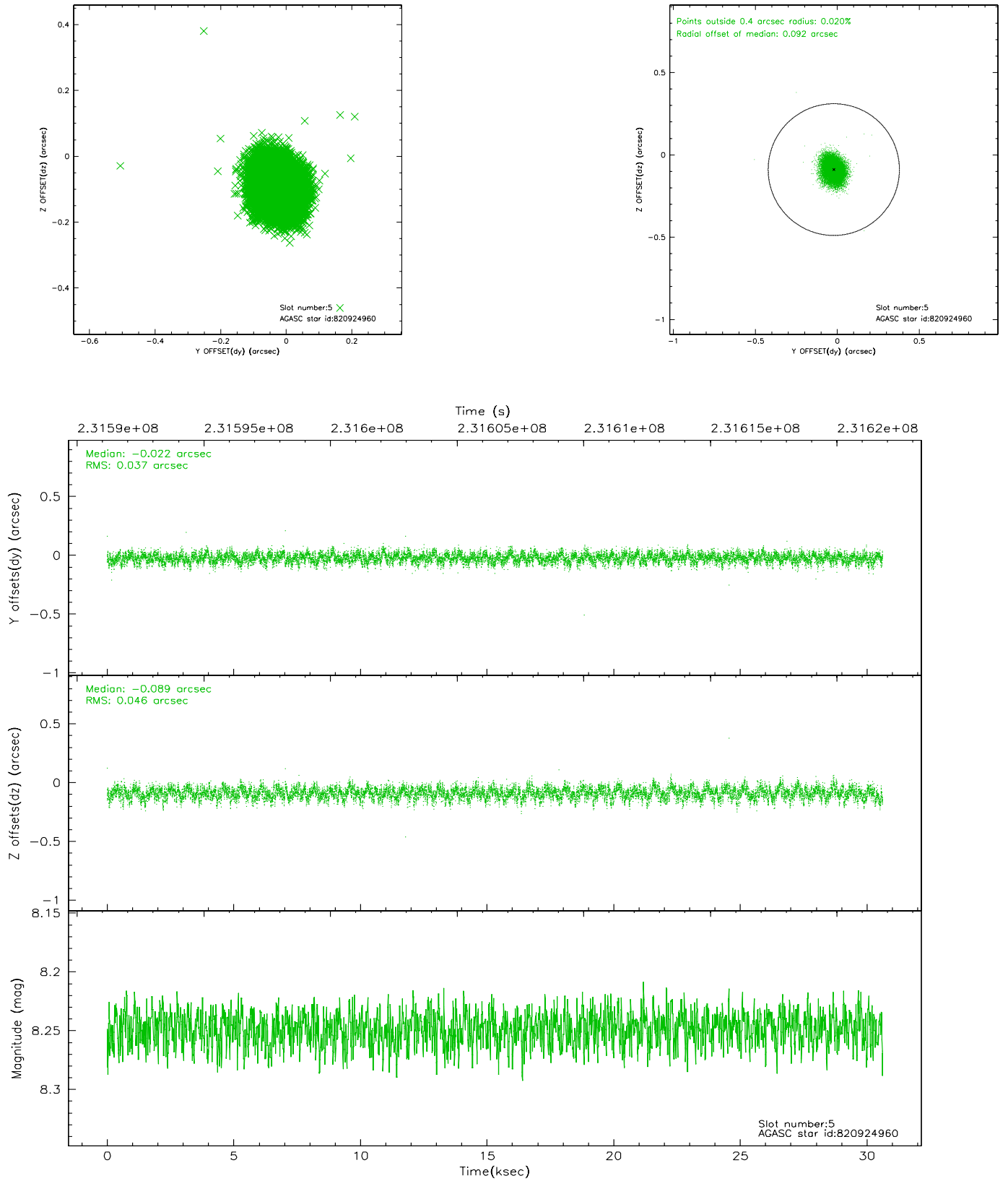
2.4.1 Slot 3



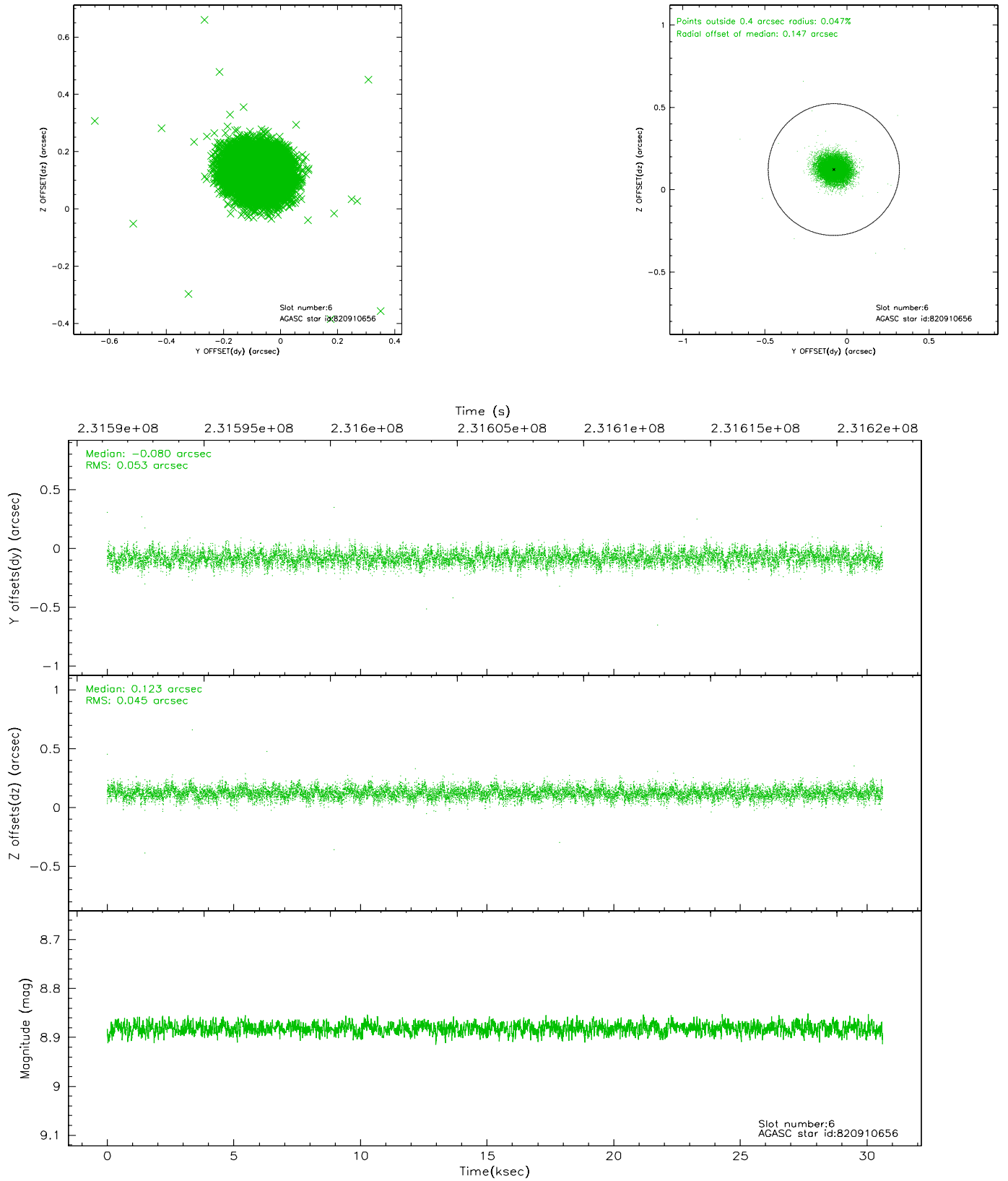
2.4.2 Slot 4



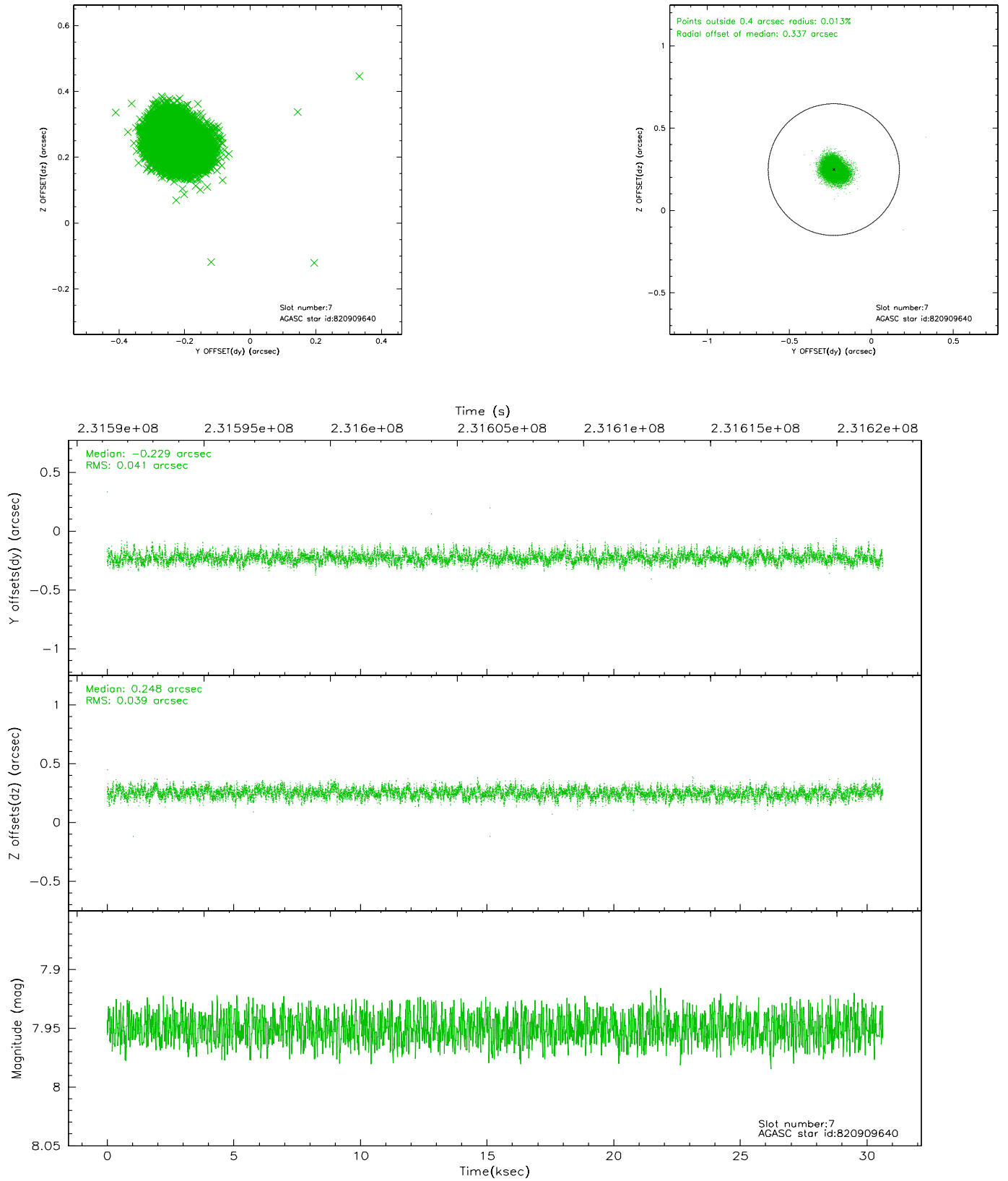
2.4.3 Slot 5



2.4.4 Slot 6

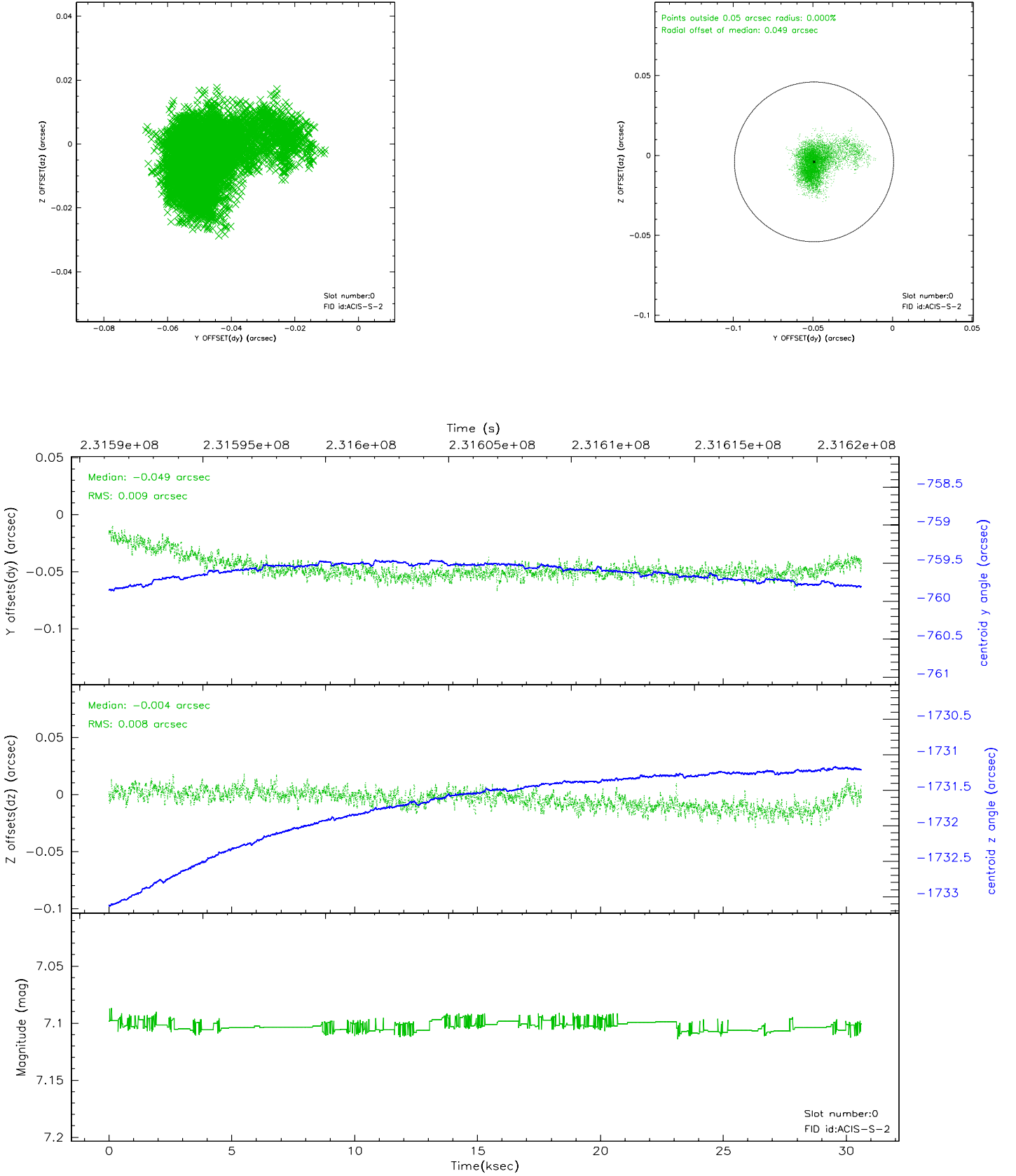


2.4.5 Slot 7

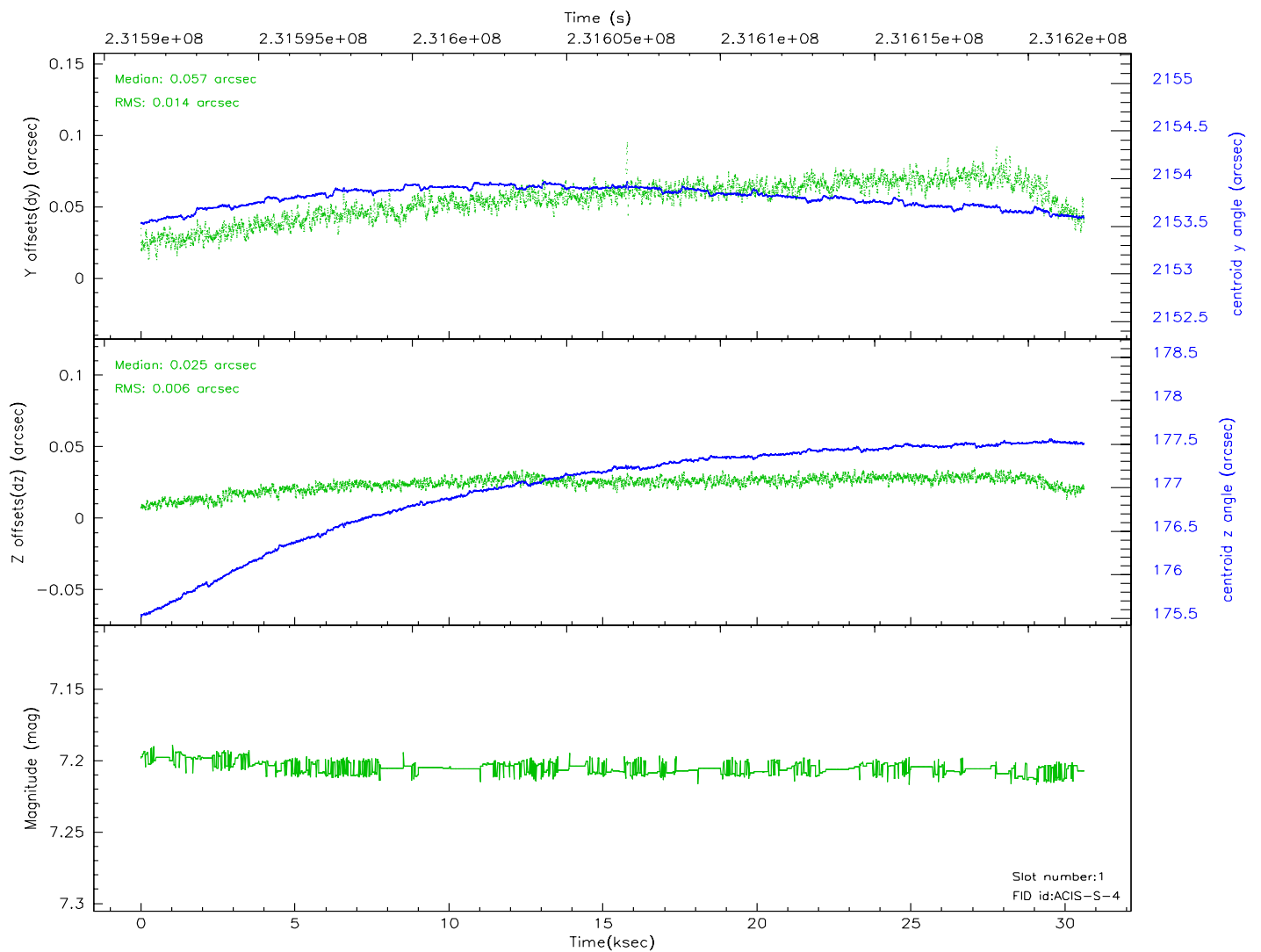
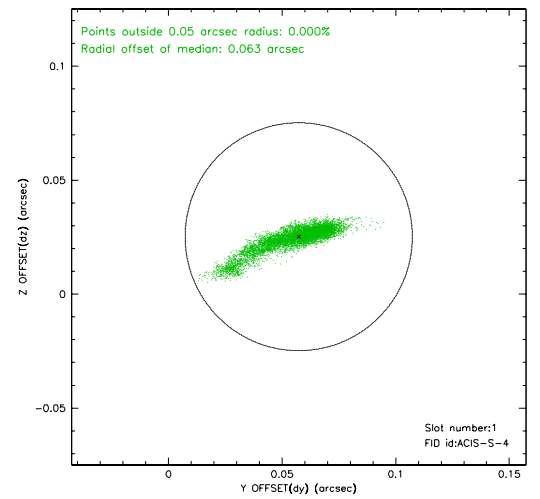
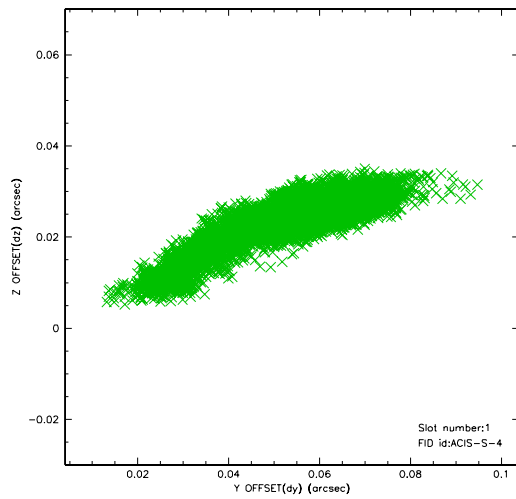


2.5 FID Slots

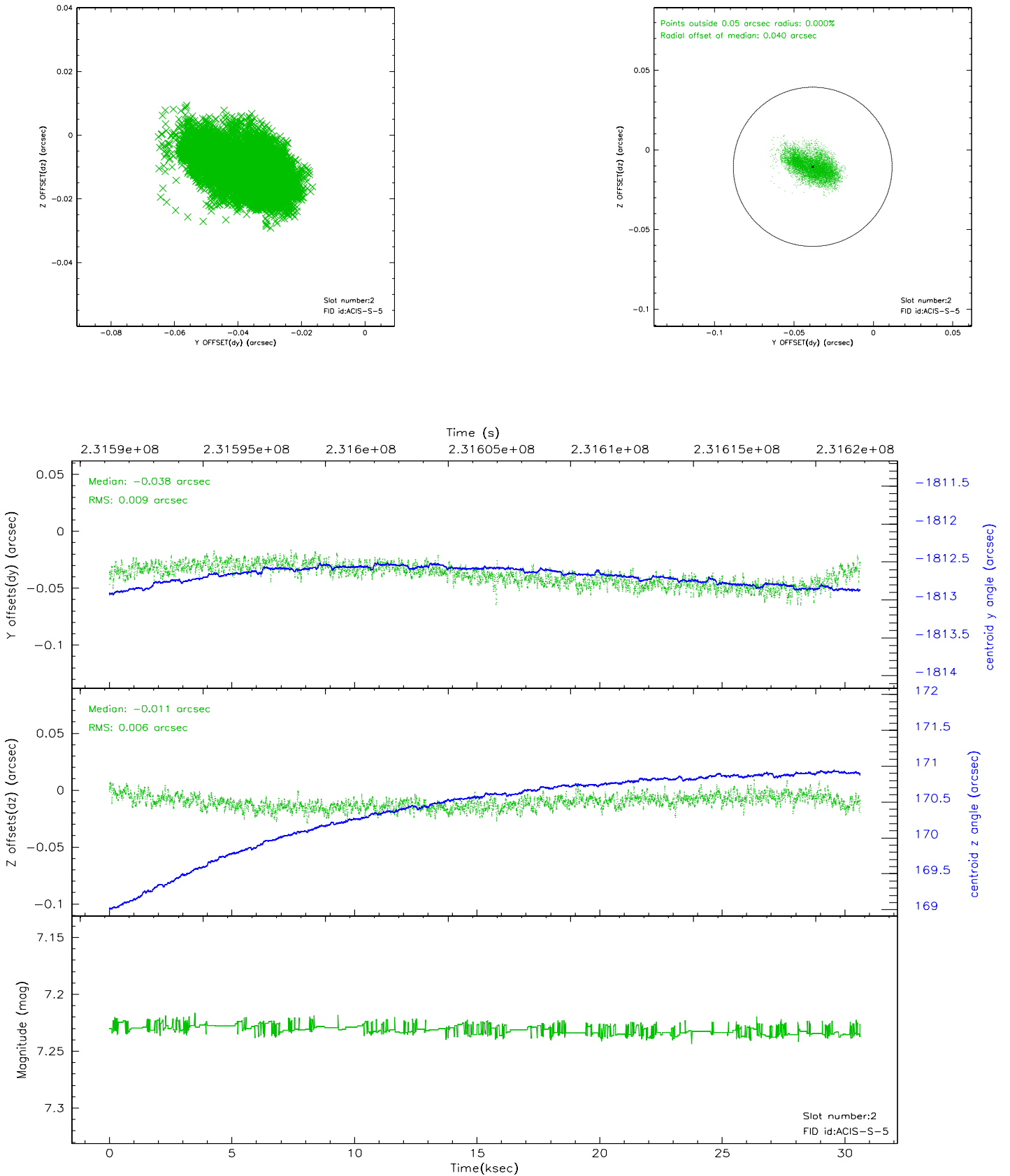
2.5.1 Slot 0



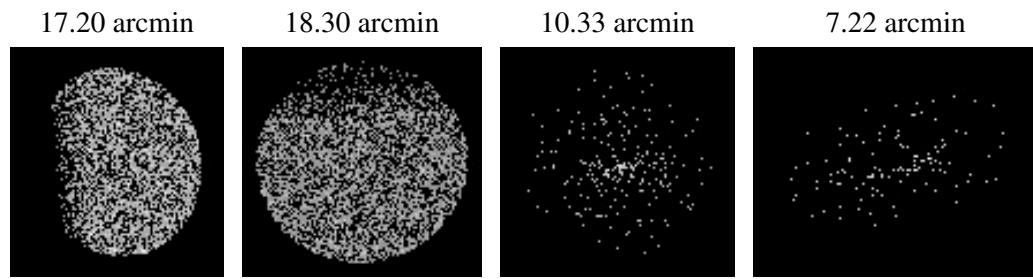
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.62399

A.2 Comments

Roll constraint not satisfied.