

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 3853 - L2 Version 001
Chandra X-Ray Center

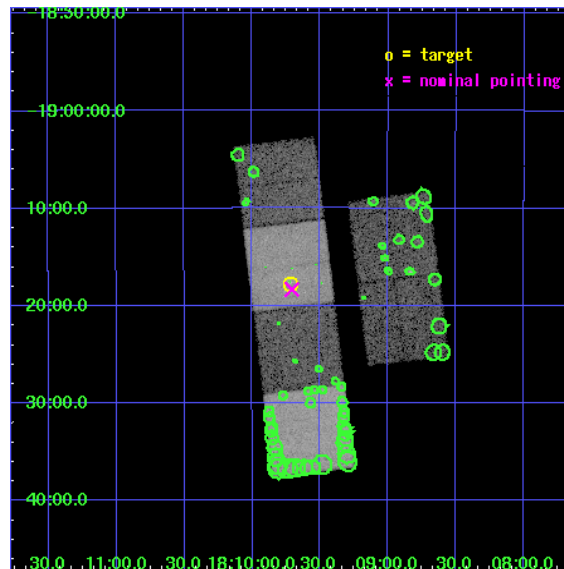
L2 Processing Date : Apr 28 2006

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1 Front

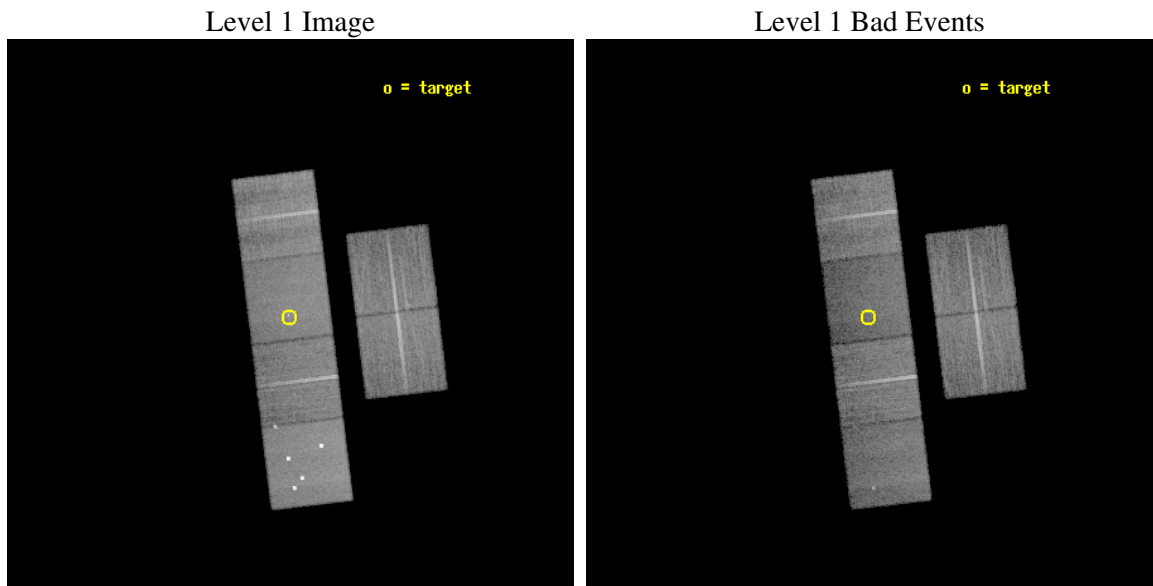
seq_num	500332
obs_id	3853
title	X-RAY EMISSION FROM YOUNG RADIO PULSARS DISCOVERED IN THE PARKES MULTIBEAM SURVEY
observer	Dr. Divas Sanwal
object	PSR J1809-1917
dtcycle	0
cycle	P
ra_targ	272.43
dec_targ	-19.296389
ra_nom	272.4269909705
dec_nom	-19.305621923885
roll_nom	263.03572939489
revision	2
ontime	19955.199925661
livetime	19702.515168624
ontime2	19951.958955377
ontime3	19955.199925661
ontime5	19955.199925661
ontime6	19951.95893538
ontime7	19955.199925661
ontime8	19951.95893538
l2events	182449



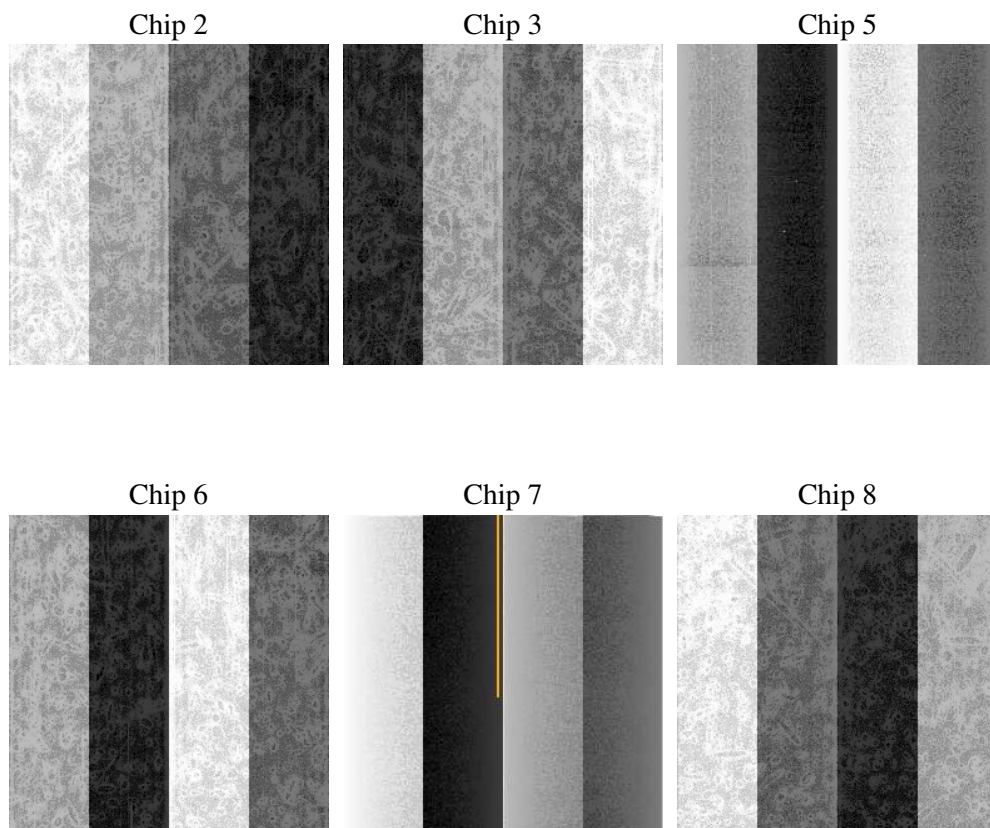
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-04-28T04:54:29
revision	2

sched_exp_time	20000.000000
ontime	19961.37455681
ontime2	19958.133566618
ontime3	19961.374536902
ontime5	19961.37455681
ontime6	19958.133546621
ontime7	19961.37455681
ontime8	19958.133566529
l1events	846762

2.1.4 Events

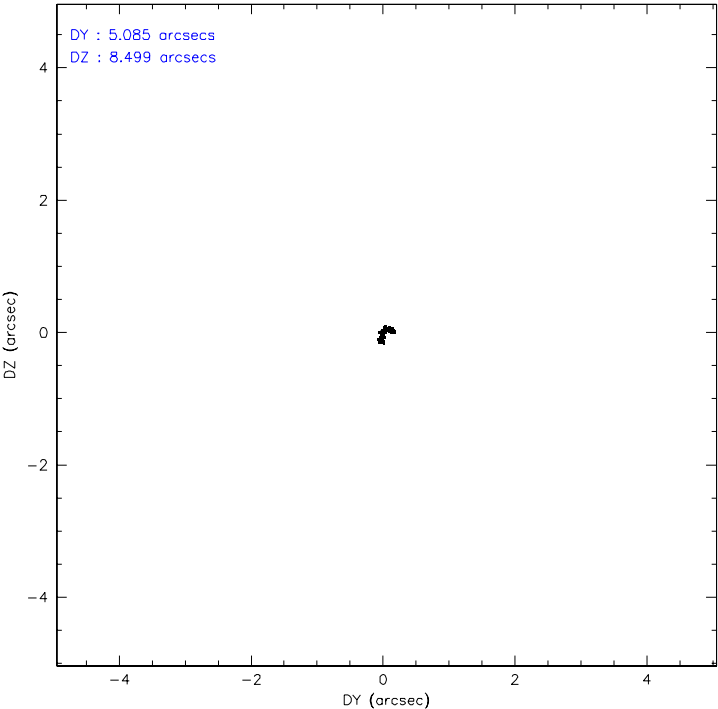
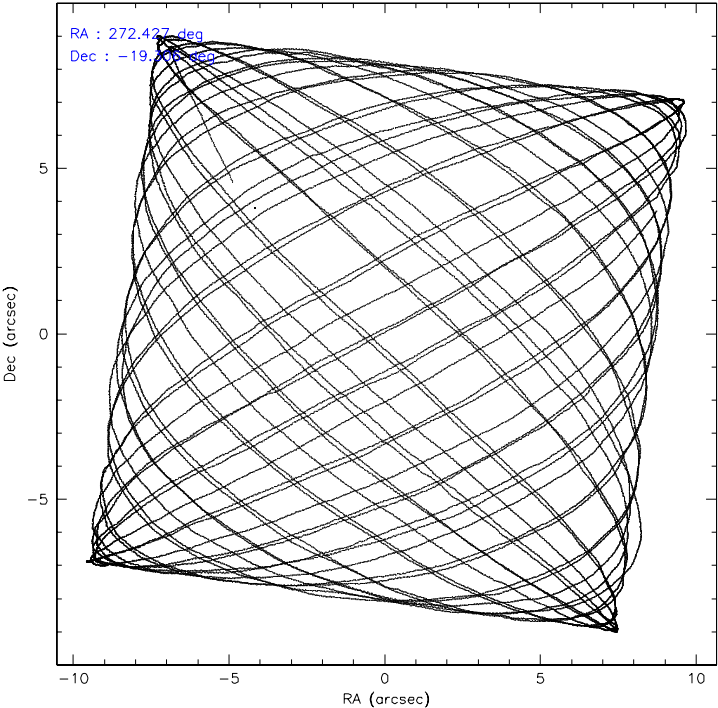
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	129642	120290	180182	125477	136716	154455
rejected events	116665	107183	85120	109718	76281	118492
rejected %	89%	89%	47%	87%	55%	76%

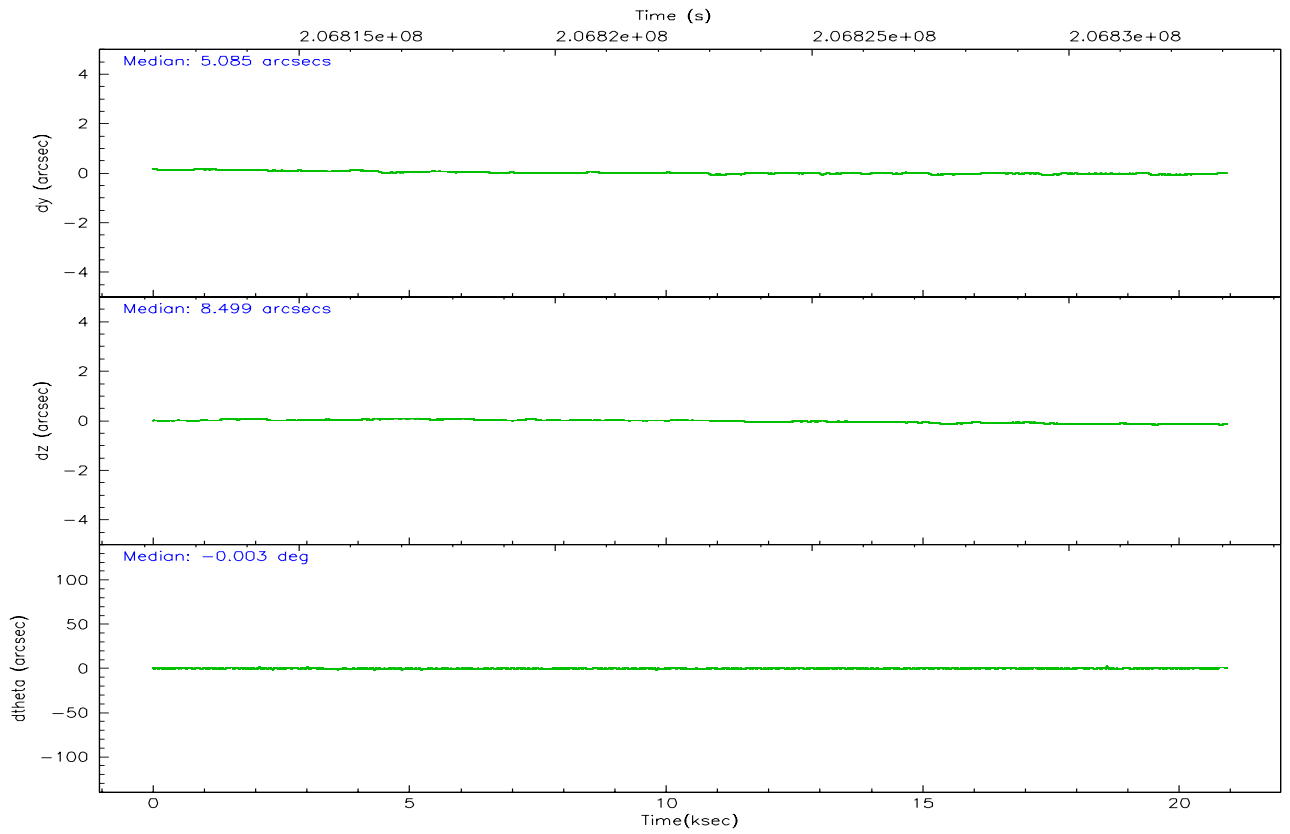
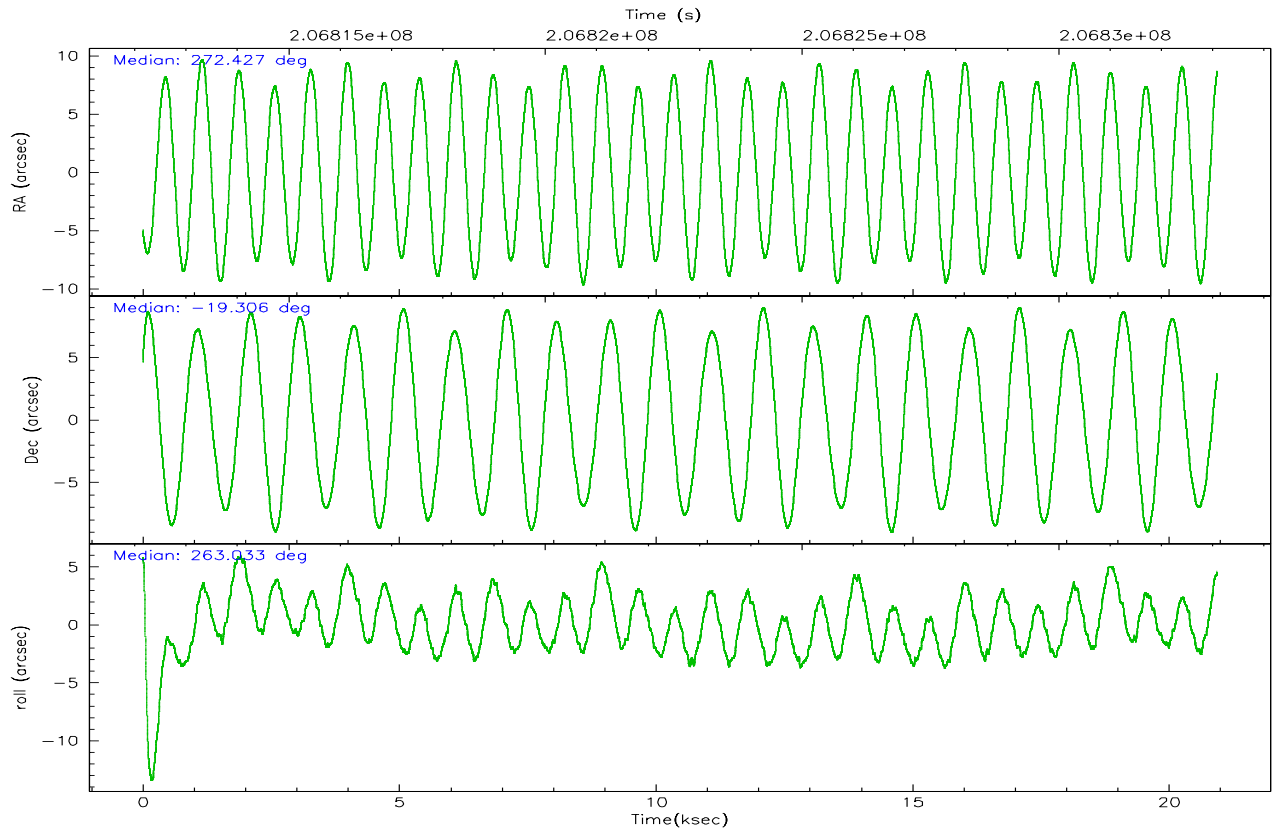
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5314	5601	21345	7007	4294	11832
	4%	4%	11%	5%	3%	7%
grade 1 events	73	60	517	75	71	125
	0%	0%	0%	0%	0%	0%
grade 2 events	2758	2439	25600	3010	15033	7692
	2%	2%	14%	2%	10%	4%
grade 3 events	1356	1354	1978	1464	3798	3747
	1%	1%	1%	1%	2%	2%
grade 4 events	1318	1362	2023	1470	3589	3533
	1%	1%	1%	1%	2%	2%
grade 5 events	3941	4533	8332	4818	9620	6731
	3%	3%	4%	3%	7%	4%
grade 6 events	2235	2354	44144	2812	33749	9176
	1%	1%	24%	2%	24%	5%
grade 7 events	112647	102587	76243	104821	66562	111619
	86%	85%	42%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	272.415349	272.4269909704978	Alternating exposures requested	N	N
Pointing Dec	-19.280726	-19.30562192388521	Primary exposure time	0.000000	3.2
Pointing Roll	262.875245	263.0357293948948			
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	206813094.184000	206811753.84313			
Observation start date	2004-07-21T16:03:50	2004-07-21T15:42:33			
Observation end time	206833094.184000	206834082.44412			
Observation end date	2004-07-21T21:37:10	2004-07-21T21:54:42			
Read mode	TIMED	TIMED			

2.3 Aspect



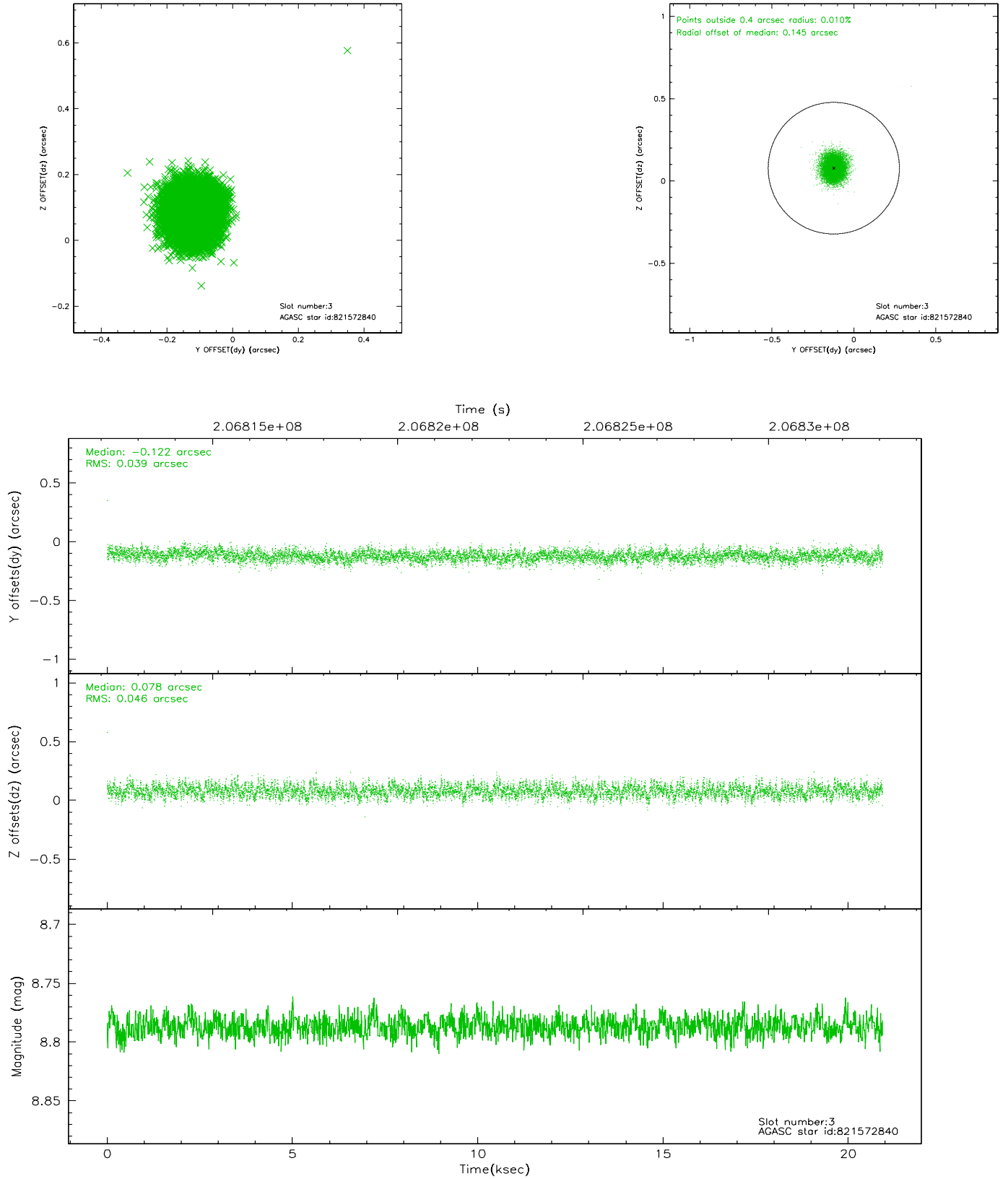


Slot Statistics

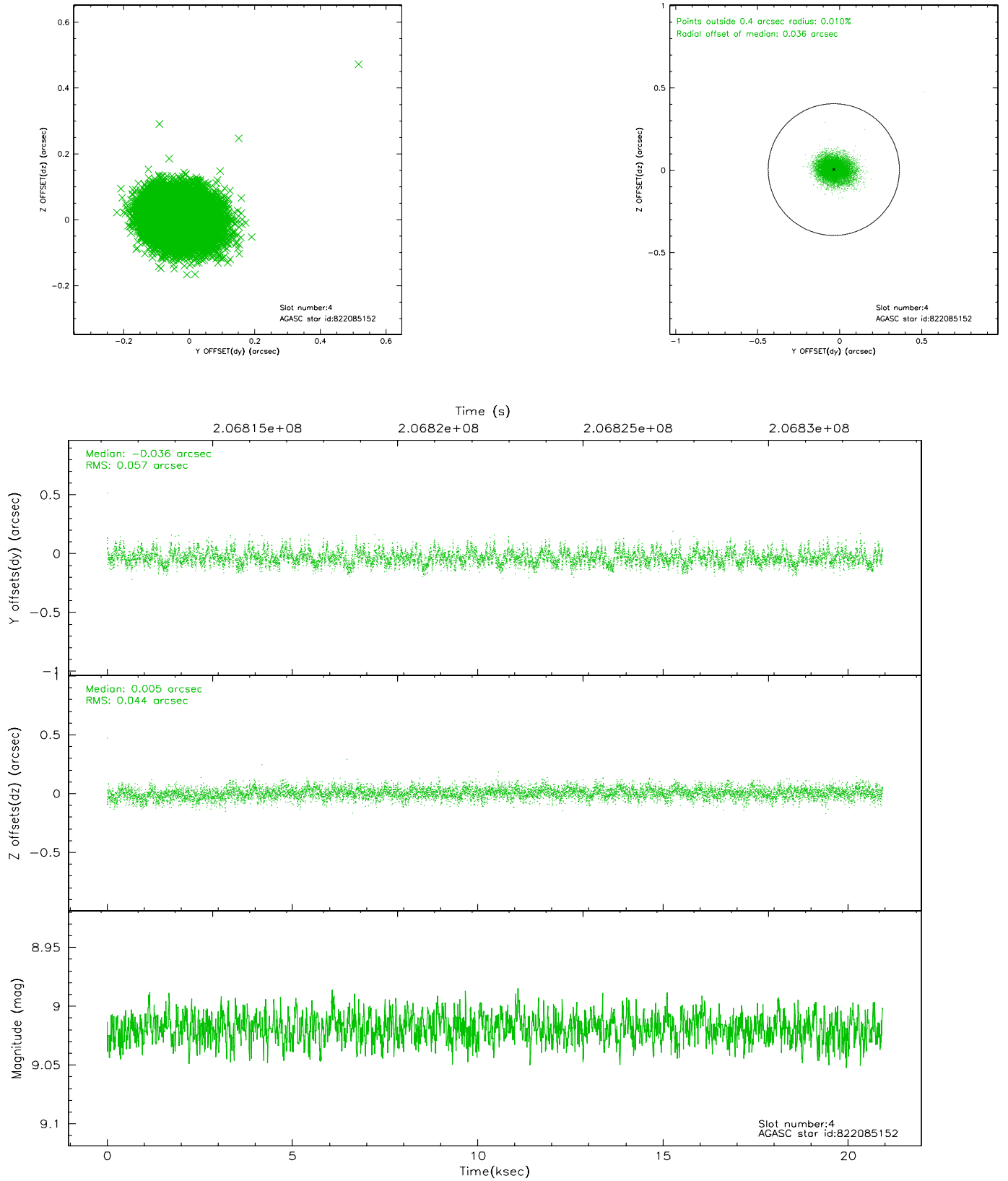
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	5106	0.010	0.009	0.009	0.015	0.000000	0.000000	938.18	-1725.34
1	FID	ACIS-S-2	7.11	5106	-0.075	-0.036	0.007	0.022	0.000000	0.000000	-757.71	-1730.05
2	FID	ACIS-S-4	7.20	5106	0.038	0.034	0.007	0.026	0.000000	0.000000	2155.43	178.63
3	GUIDE	821572840	8.79	10208	-0.122	0.078	0.064	0.103	272.287378	-18.702558	-2010.81	-690.95
4	GUIDE	822085152	9.02	10213	-0.036	0.005	0.076	0.125	272.974056	-19.057083	-1031.68	1787.09
5	GUIDE	822090352	8.62	10209	-0.035	-0.108	0.081	0.133	272.203907	-18.976234	-997.75	-849.93
6	GUIDE	822100176	8.47	10211	0.014	-0.031	0.077	0.121	272.112888	-19.868886	2229.23	-753.22
7	GUIDE	822098736	8.51	10211	0.171	0.057	0.068	0.109	272.269355	-19.875225	2185.92	-224.67

2.4 Star Slots

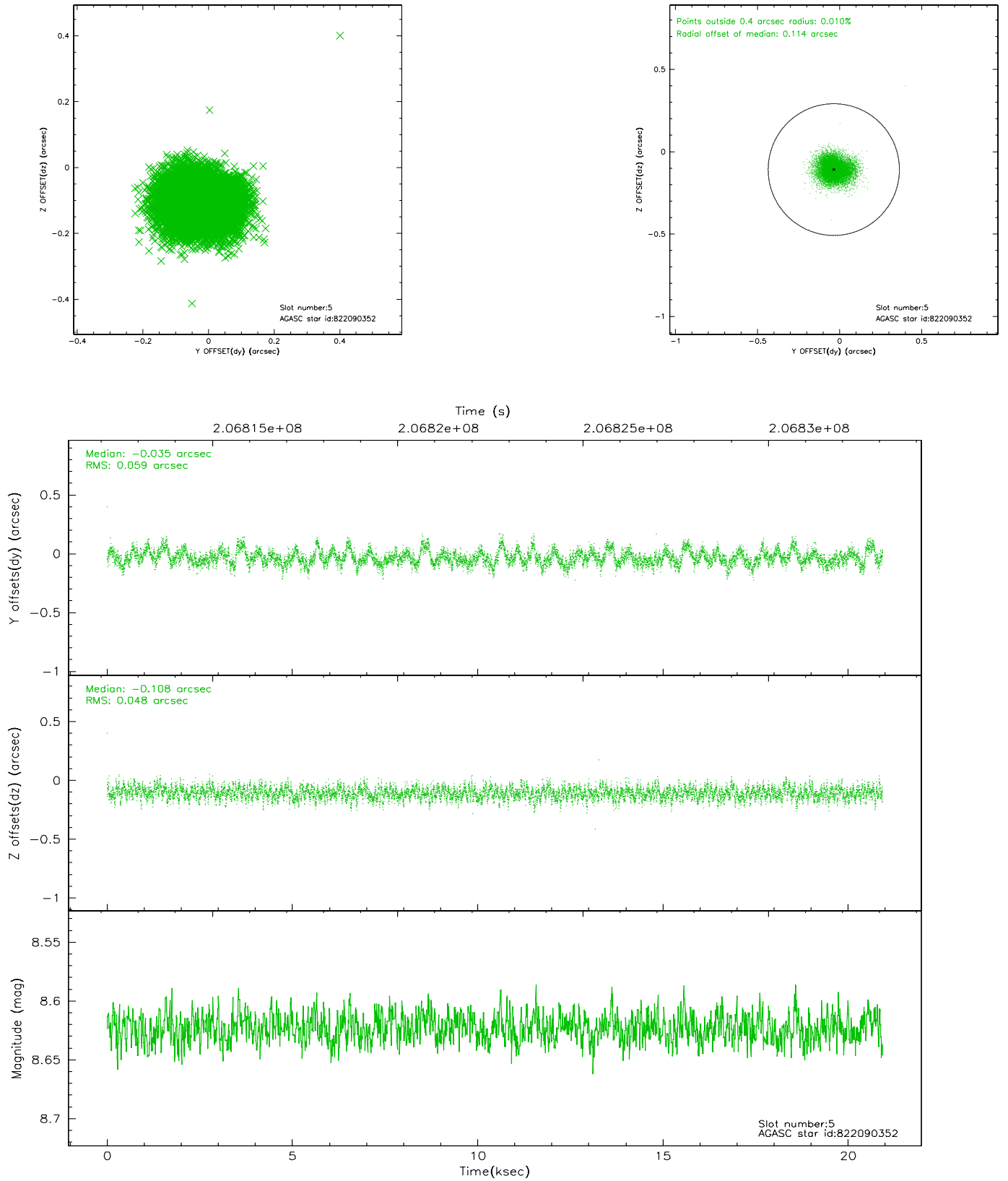
2.4.1 Slot 3



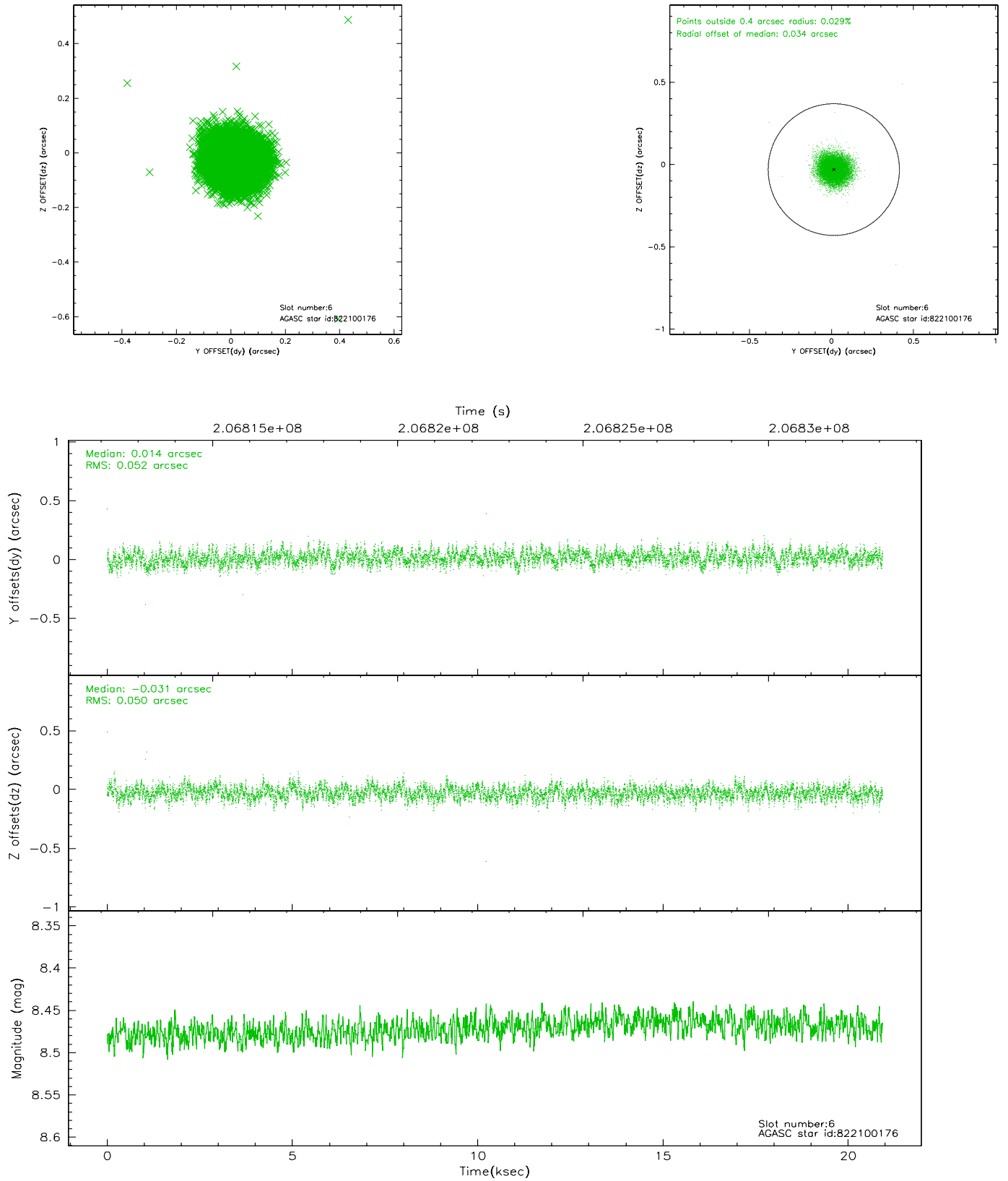
2.4.2 Slot 4



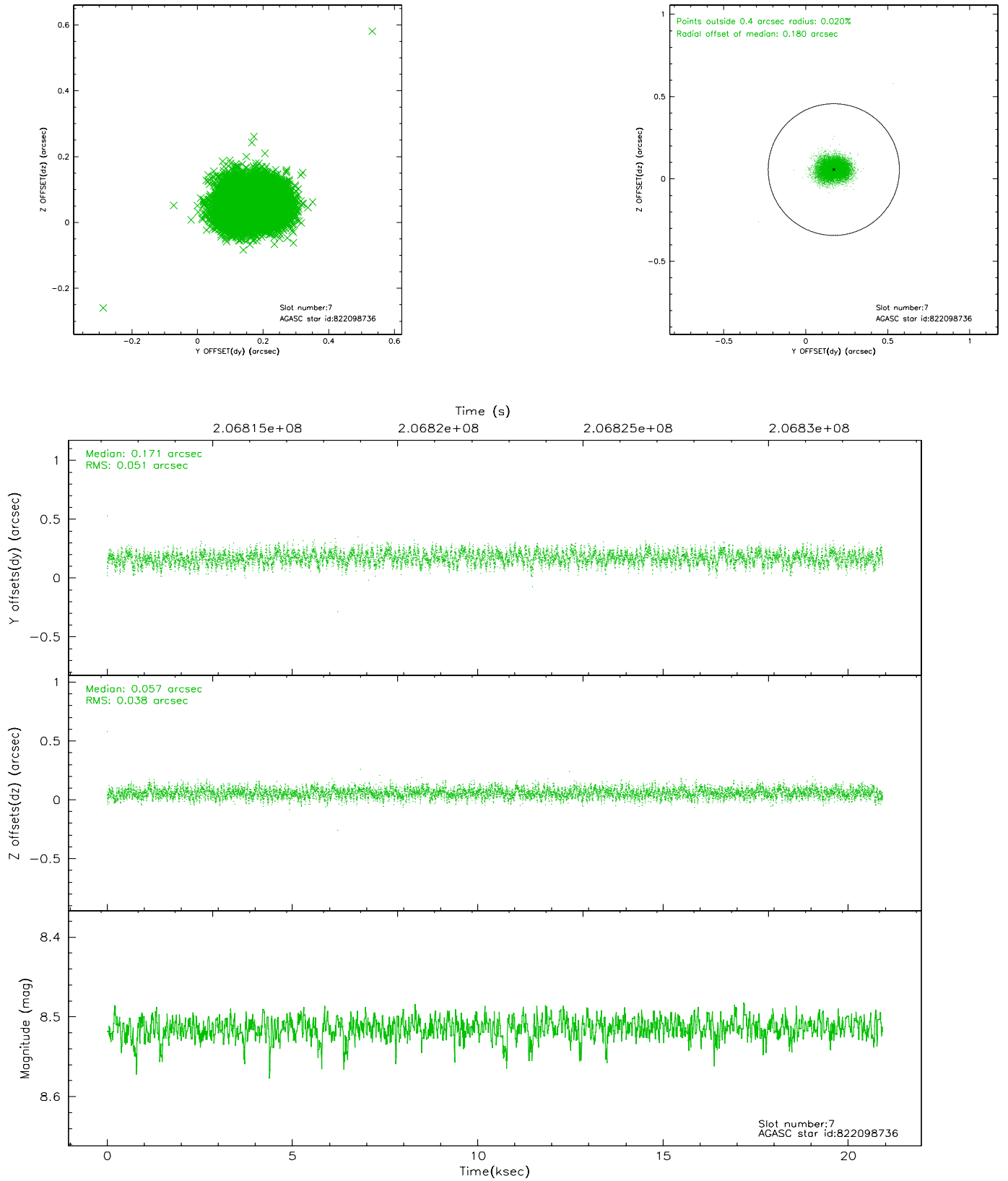
2.4.3 Slot 5



2.4.4 Slot 6

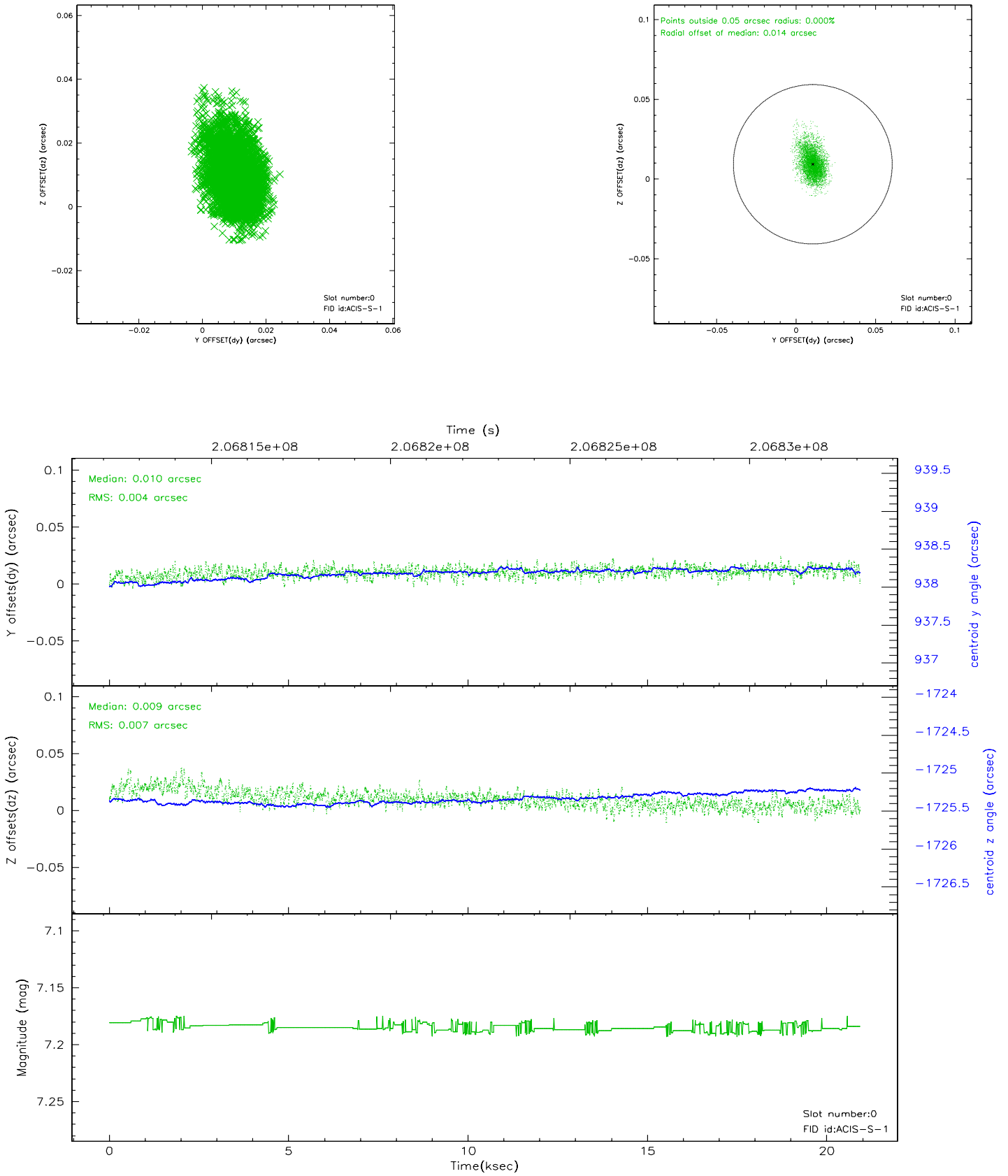


2.4.5 Slot 7

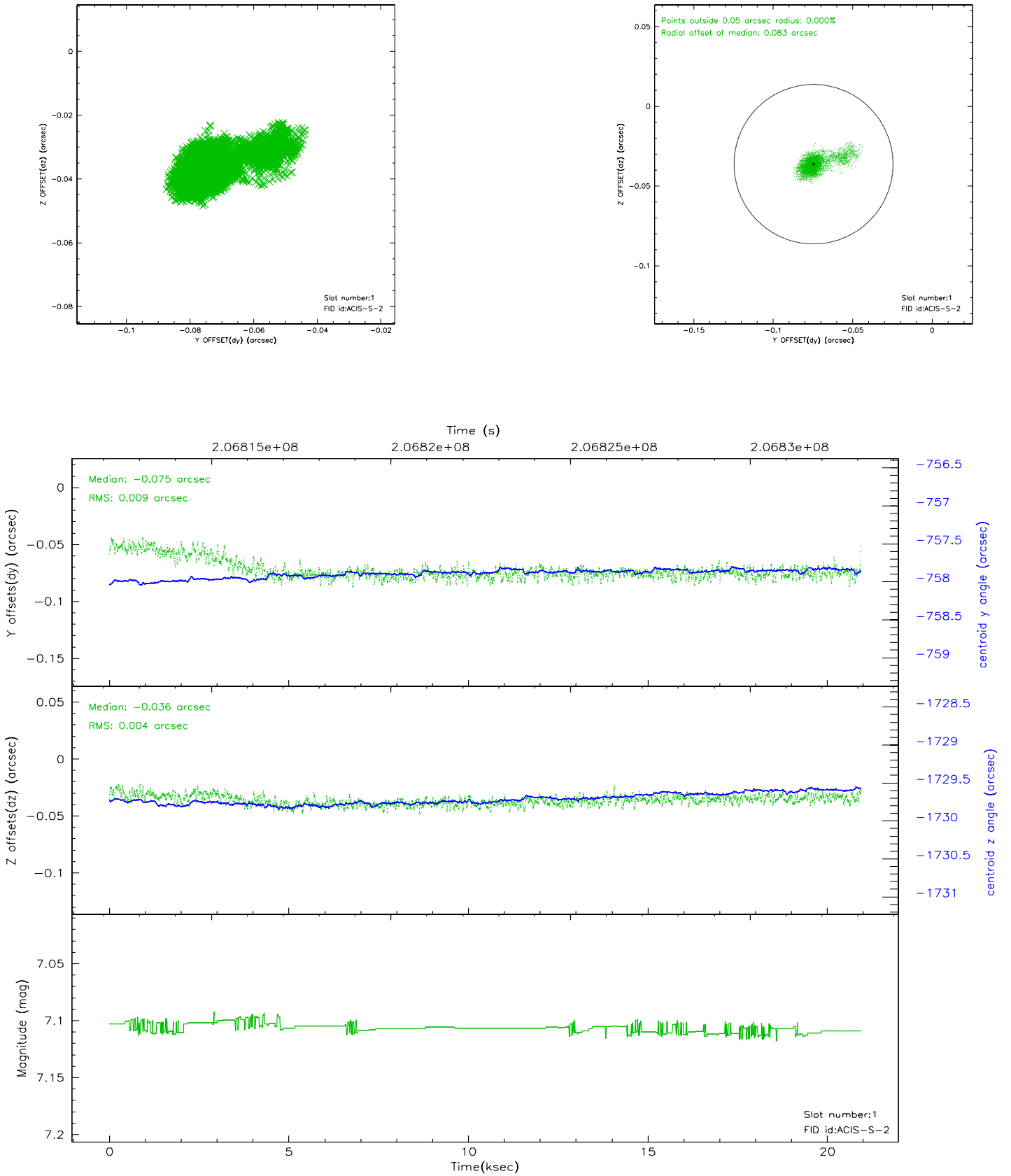


2.5 FID Slots

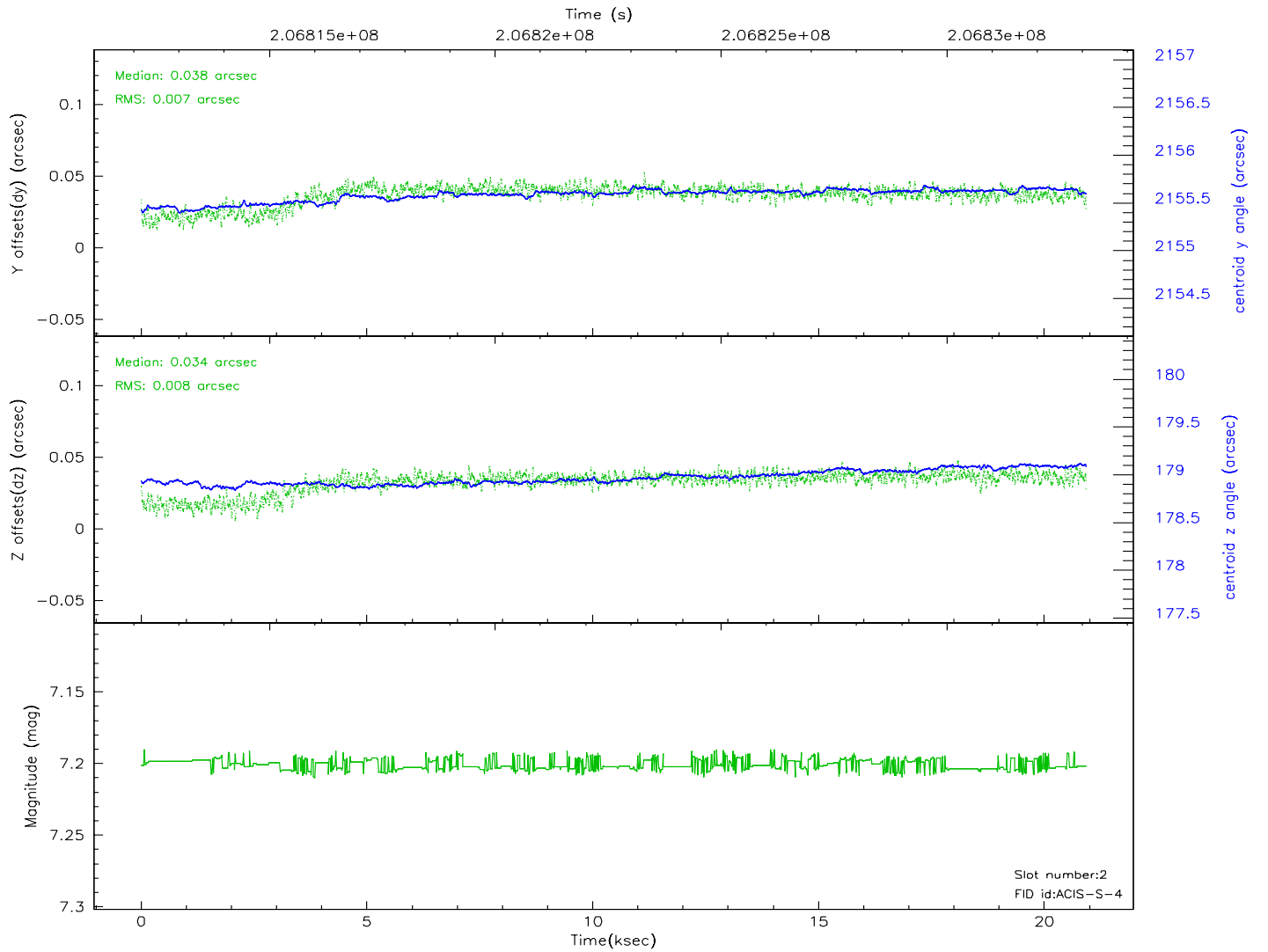
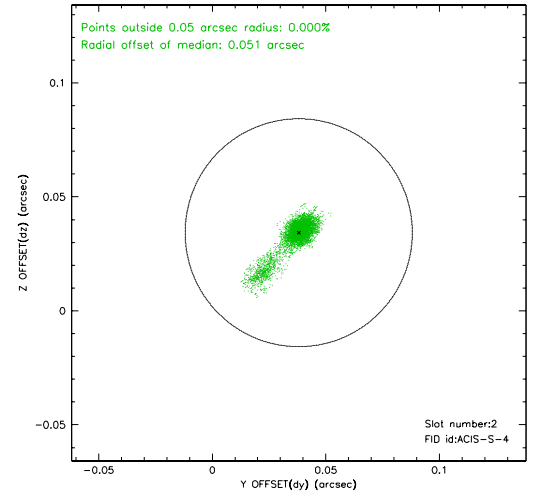
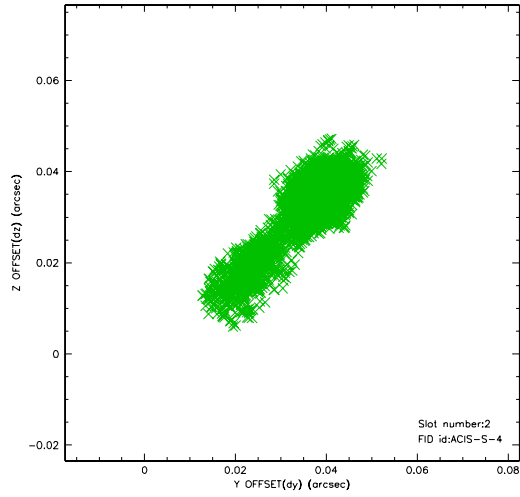
2.5.1 Slot 0



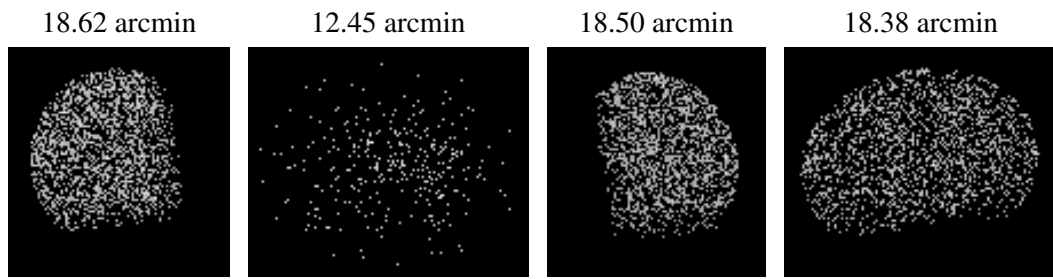
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.955

A.2 Comments

The ACIS focal plane temperature was above the calibration limits after the first 2 ksec of the observation.