

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5394 - L2 Version 002
Chandra X-Ray Center

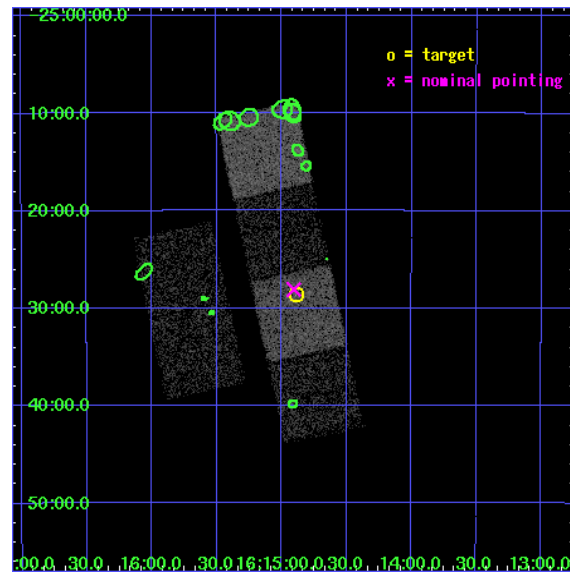
L2 Processing Date : Mar 21 2006

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1 Front

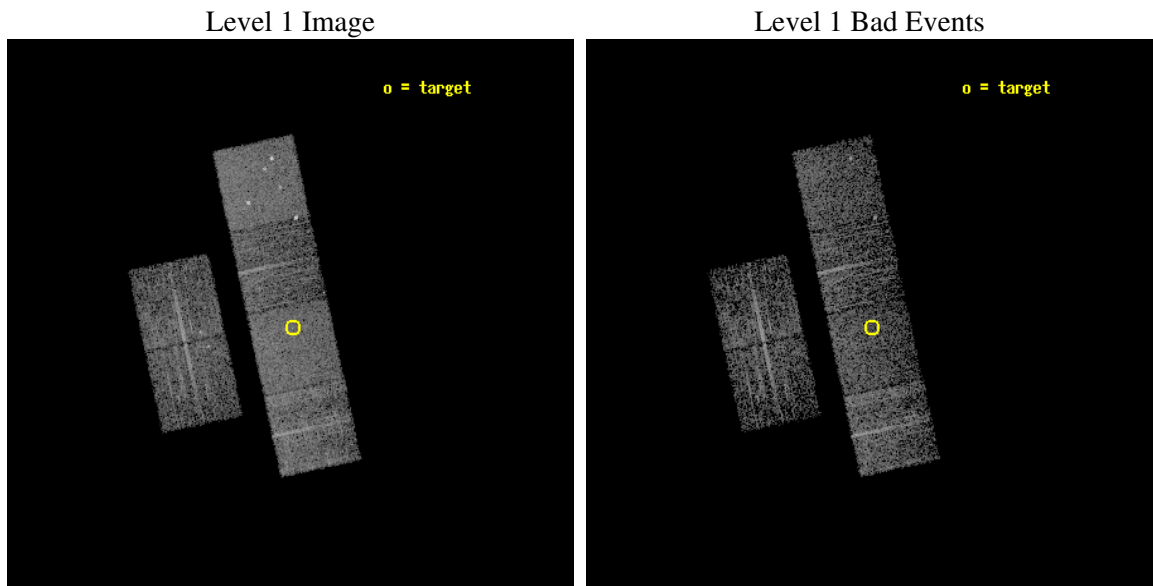
seq_num	200329
obs_id	5394
title	The puzzle of X-ray emission from magnetic stars without convective envelopes
observer	Prof. J rgen Schmitt
object	HD 146001
dtcycle	0
cycle	P
ra_targ	243.7225
dec_targ	-25.476972
ra_nom	243.72643182869
dec_nom	-25.468032446824
roll_nom	77.903784025058
revision	2
ontime	2751.999989748
livetime	2717.1525088224
ontime2	2751.999989748
ontime3	2751.999989748
ontime5	2751.999989748
ontime6	2751.999989748
ontime7	2751.999989748
ontime8	2748.7590094507
l2events	32539



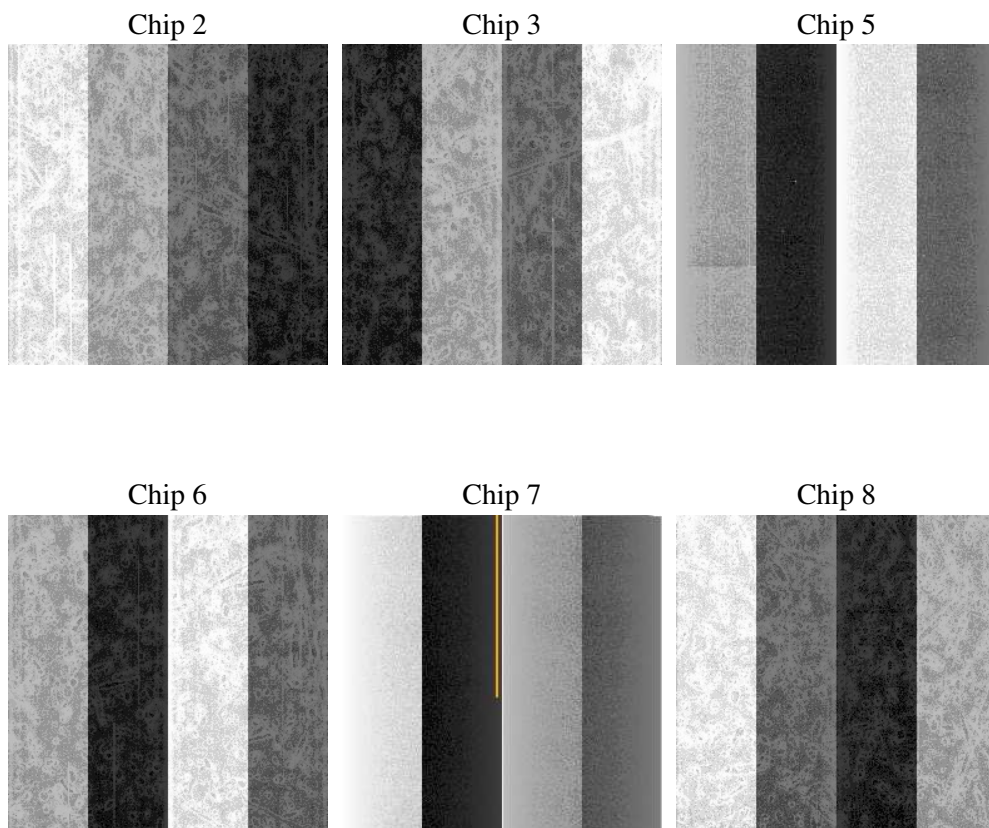
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-21T15:44:29
revision	2

sched_exp_time	3000.000000
ontime	2758.1003949344
ontime2	2758.1003949344
ontime3	2758.1003750265
ontime5	2758.1003949344
ontime6	2758.1003750265
ontime7	2758.1003949344
ontime8	2754.8593450189
l1events	147875

2.1.4 Events

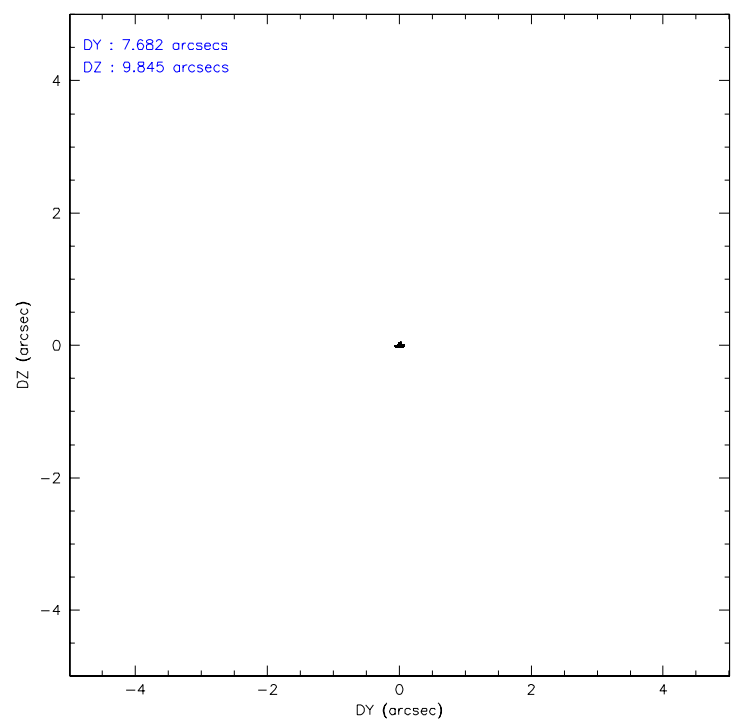
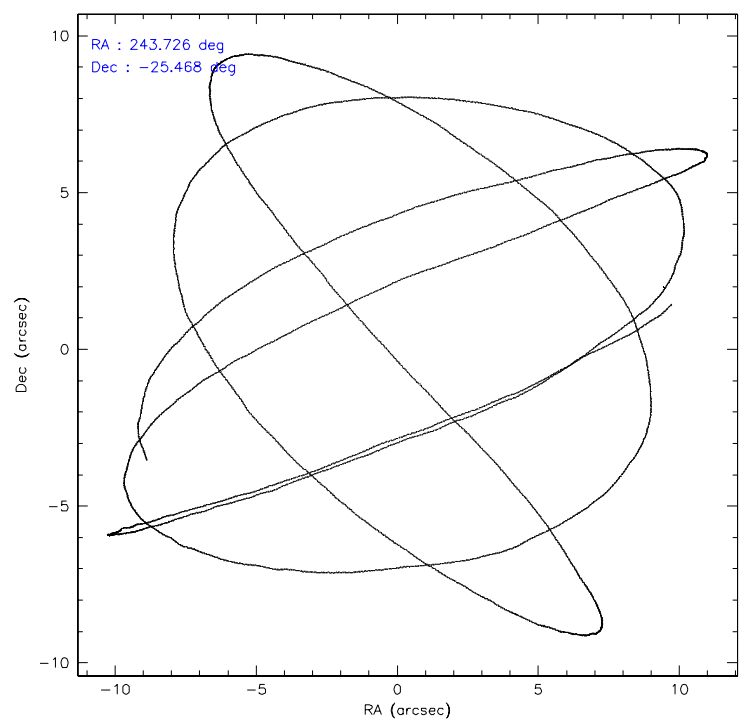
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20473	18932	32018	20172	28197	28083
rejected events	17996	16389	17290	17622	17224	22751
rejected %	87%	86%	54%	87%	61%	81%

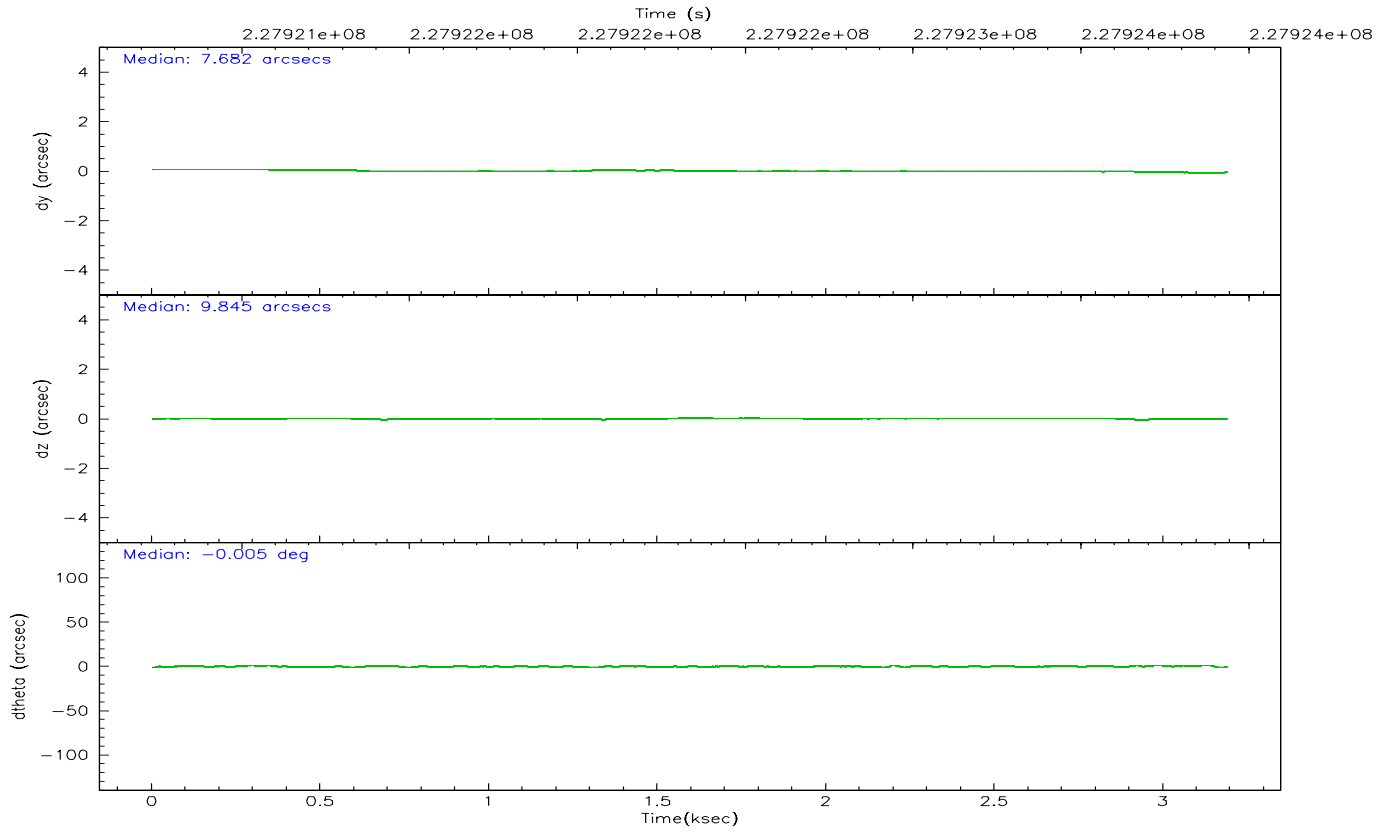
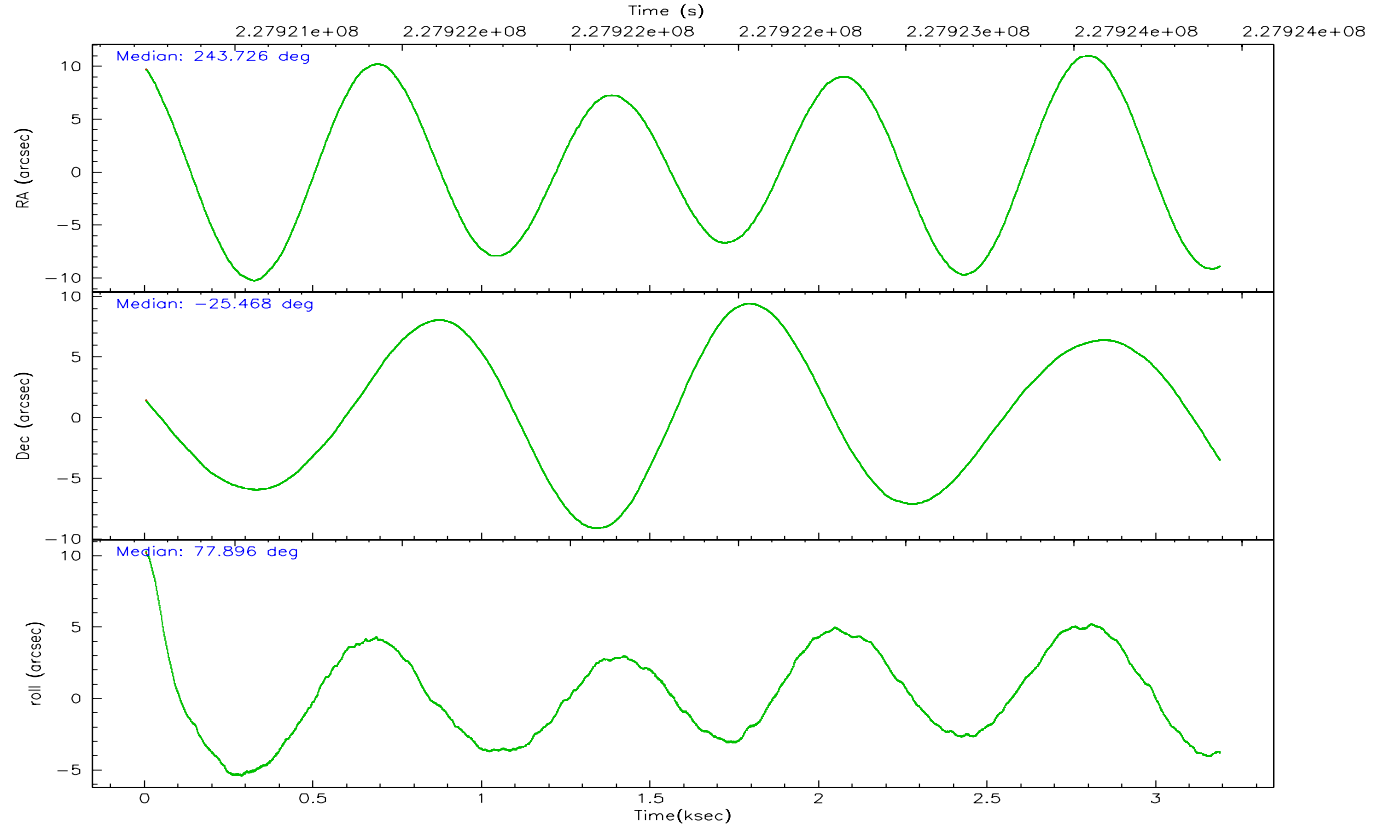
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1153	1201	1738	1120	696	1664
	5%	6%	5%	5%	2%	5%
grade 1 events	8	10	110	7	23	30
	0%	0%	0%	0%	0%	0%
grade 2 events	514	464	4433	486	2735	1190
	2%	2%	13%	2%	9%	4%
grade 3 events	234	220	354	224	561	568
	1%	1%	1%	1%	1%	2%
grade 4 events	217	214	335	241	517	539
	1%	1%	1%	1%	1%	1%
grade 5 events	855	864	1545	928	1774	1227
	4%	4%	4%	4%	6%	4%
grade 6 events	366	448	7905	486	6495	1374
	1%	2%	24%	2%	23%	4%
grade 7 events	17126	15511	15598	16680	15396	21491
	83%	81%	48%	82%	54%	76%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	243.736208	243.7264318286893	Alternating exposures requested	N	N
Pointing Dec	-25.493817	-25.46803244682373	Primary exposure time	0.000000	3.2
Pointing Roll	77.751352	77.90378402505752			
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	227920929.184000	227920489.99086			
Observation start date	2005-03-22T23:21:05	2005-03-22T23:14:49			
Observation end time	227923929.184000	227924703.76605			
Observation end date	2005-03-23T00:11:05	2005-03-23T00:25:03			
Read mode	TIMED	TIMED			

2.3 Aspect



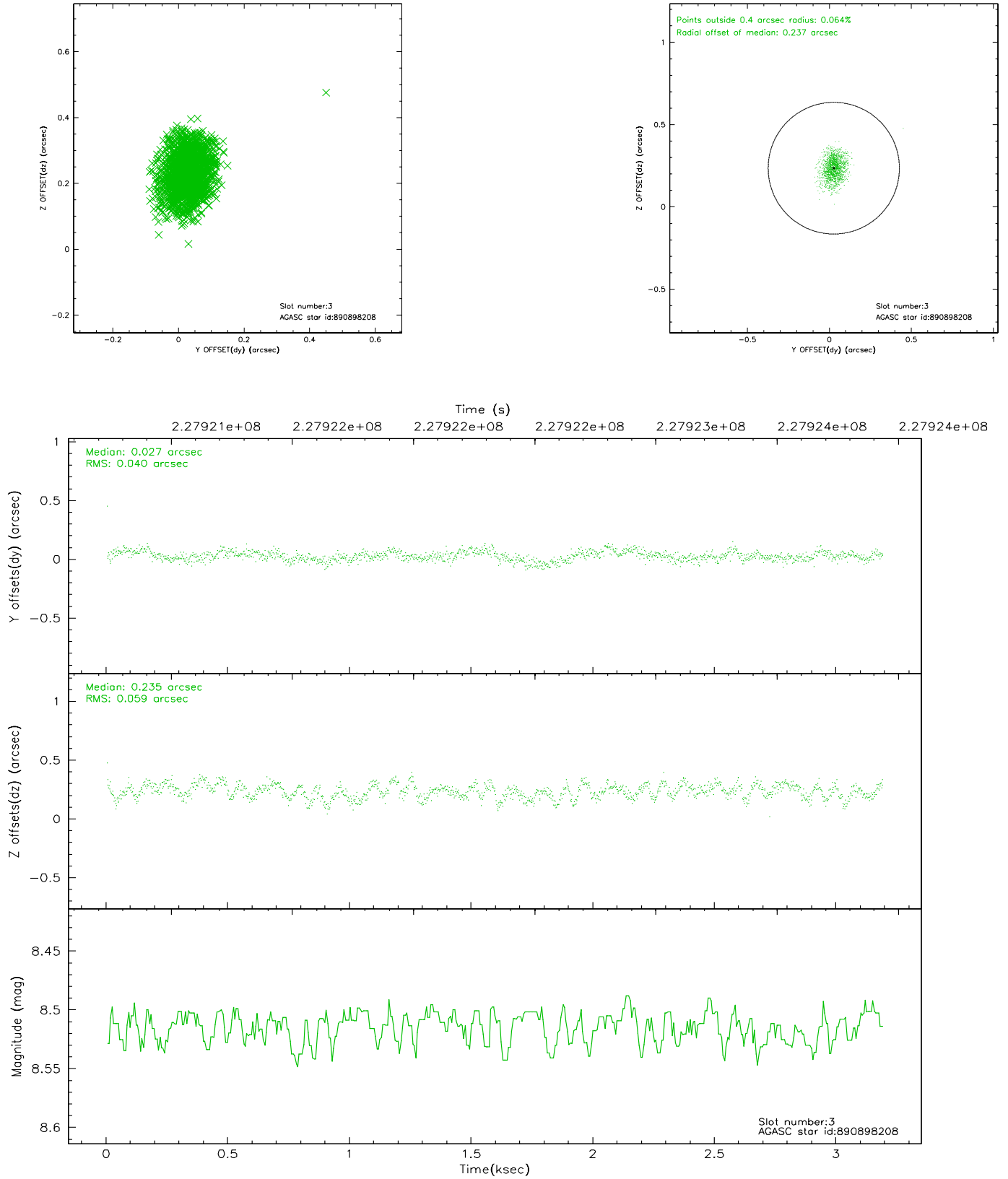


Slot Statistics

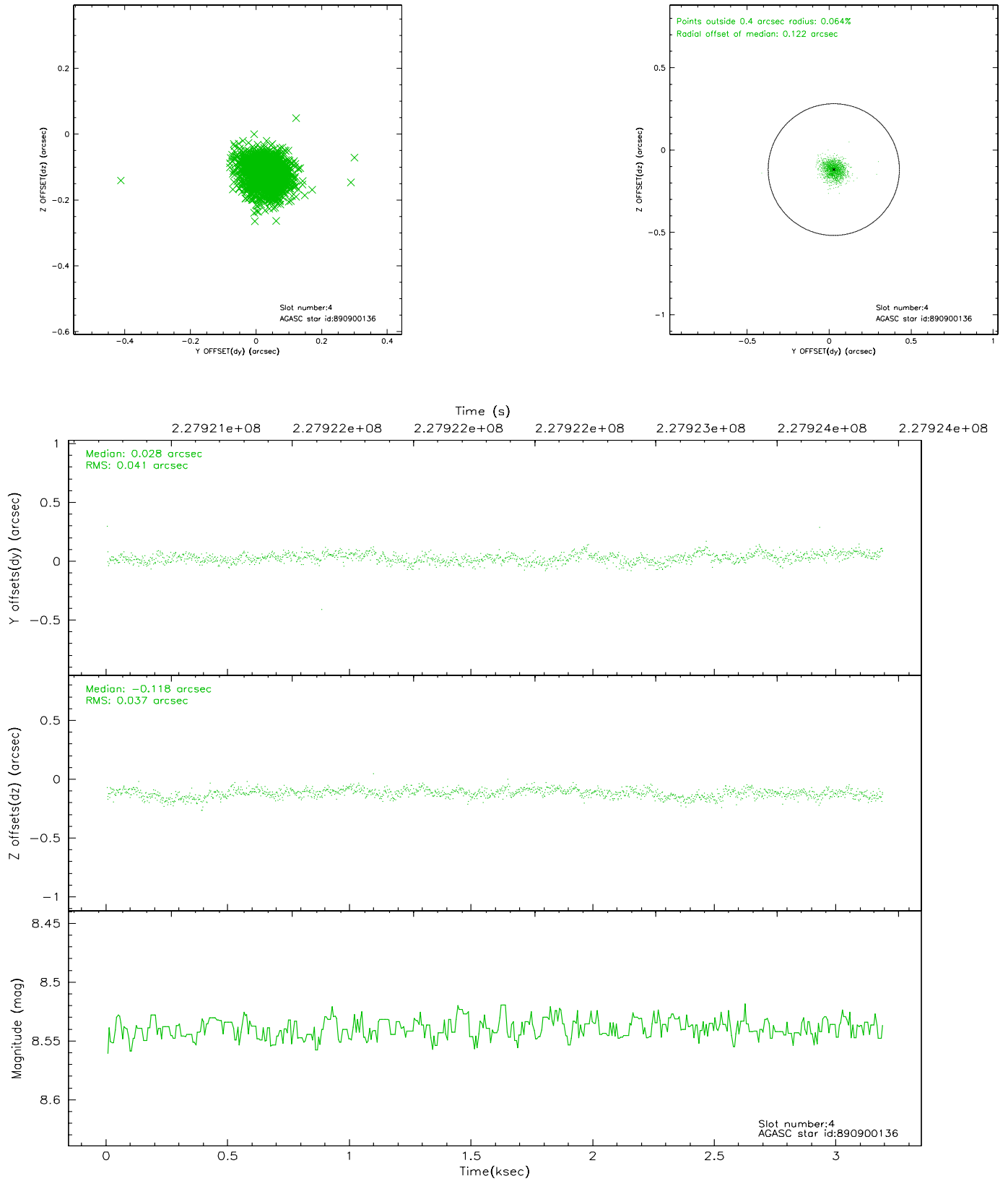
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	778	-0.028	-0.001	0.007	0.012	0.000000	0.000000	-760.45	-1731.00
1	FID	ACIS-S-4	7.21	778	0.058	0.014	0.005	0.009	0.000000	0.000000	2151.97	175.50
2	FID	ACIS-S-5	7.23	778	-0.061	-0.005	0.006	0.011	0.000000	0.000000	-1810.80	171.34
3	GUIDE	890898208	8.51	1555	0.027	0.235	0.076	0.123	244.210941	-25.862972	-974.75	-1785.38
4	GUIDE	890900136	8.54	1556	0.028	-0.118	0.057	0.092	243.262361	-25.914713	-1809.46	1175.76
5	GUIDE	890900216	7.78	1556	-0.171	0.065	0.054	0.085	243.945266	-25.121526	1452.18	-380.73
6	GUIDE	890900832	7.59	1556	0.266	-0.259	0.057	0.092	242.963556	-25.883569	-1908.57	2146.10
7	GUIDE	890901472	8.22	1554	-0.150	0.080	0.066	0.106	244.104882	-24.988748	2029.30	-788.56

2.4 Star Slots

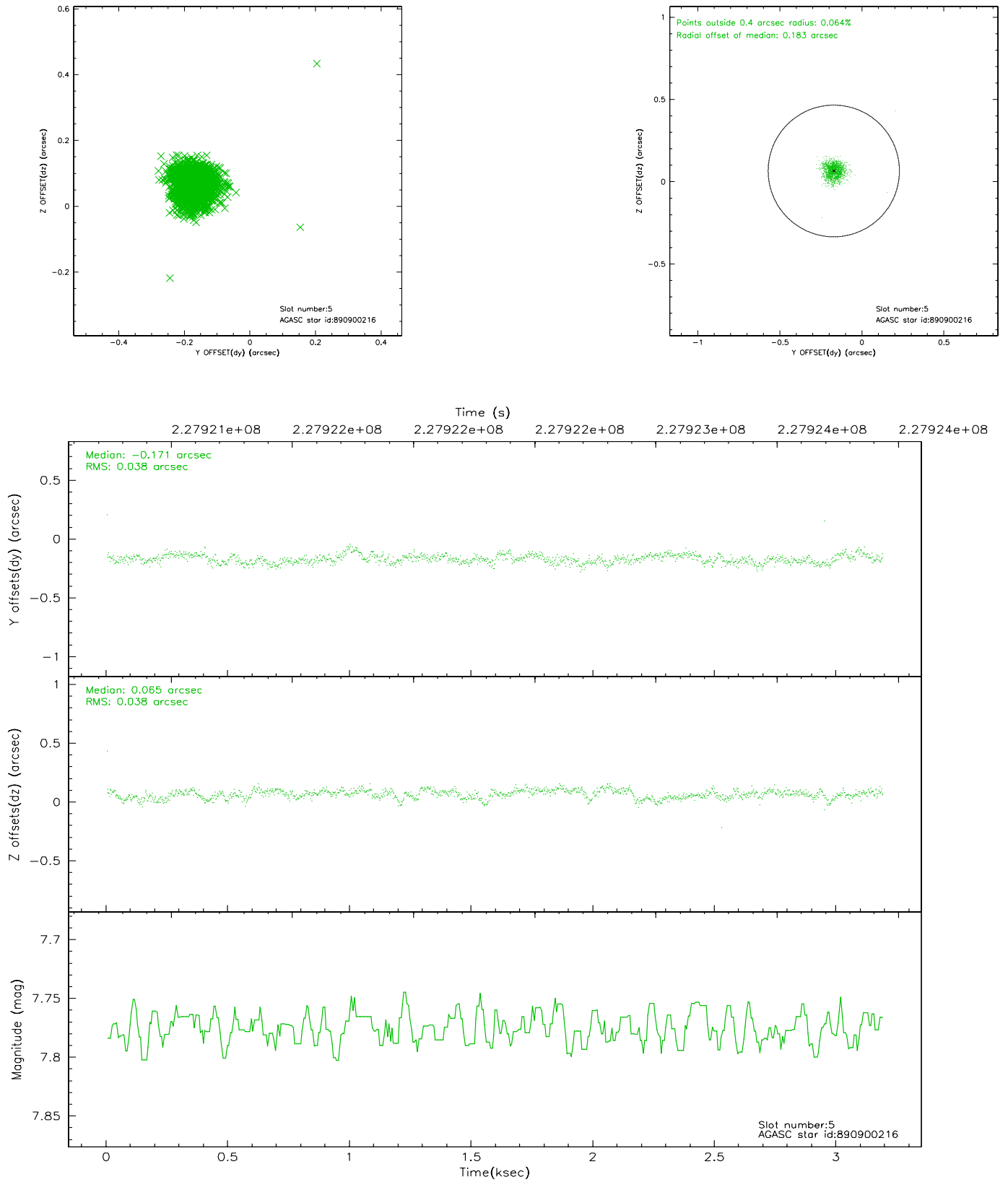
2.4.1 Slot 3



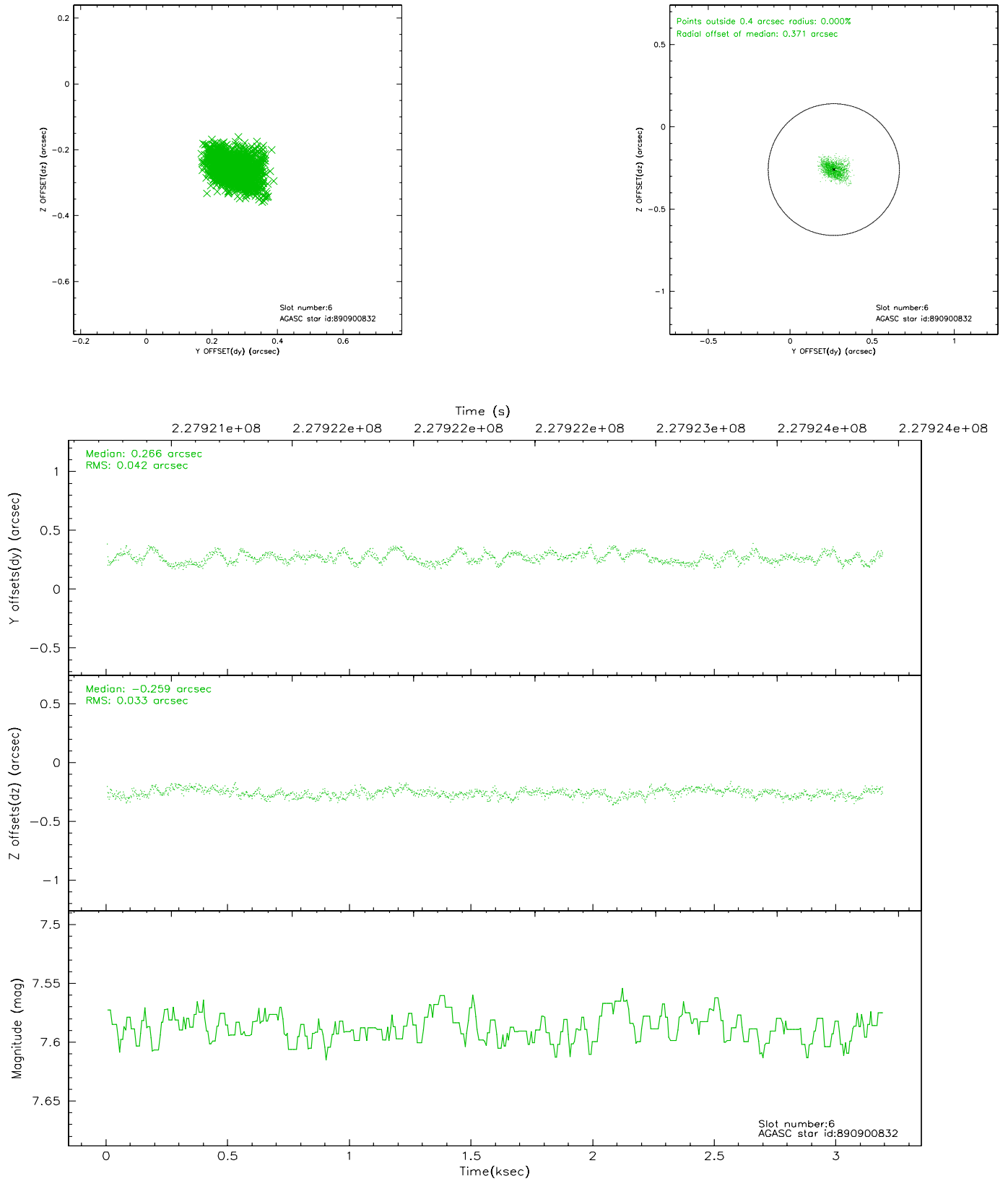
2.4.2 Slot 4



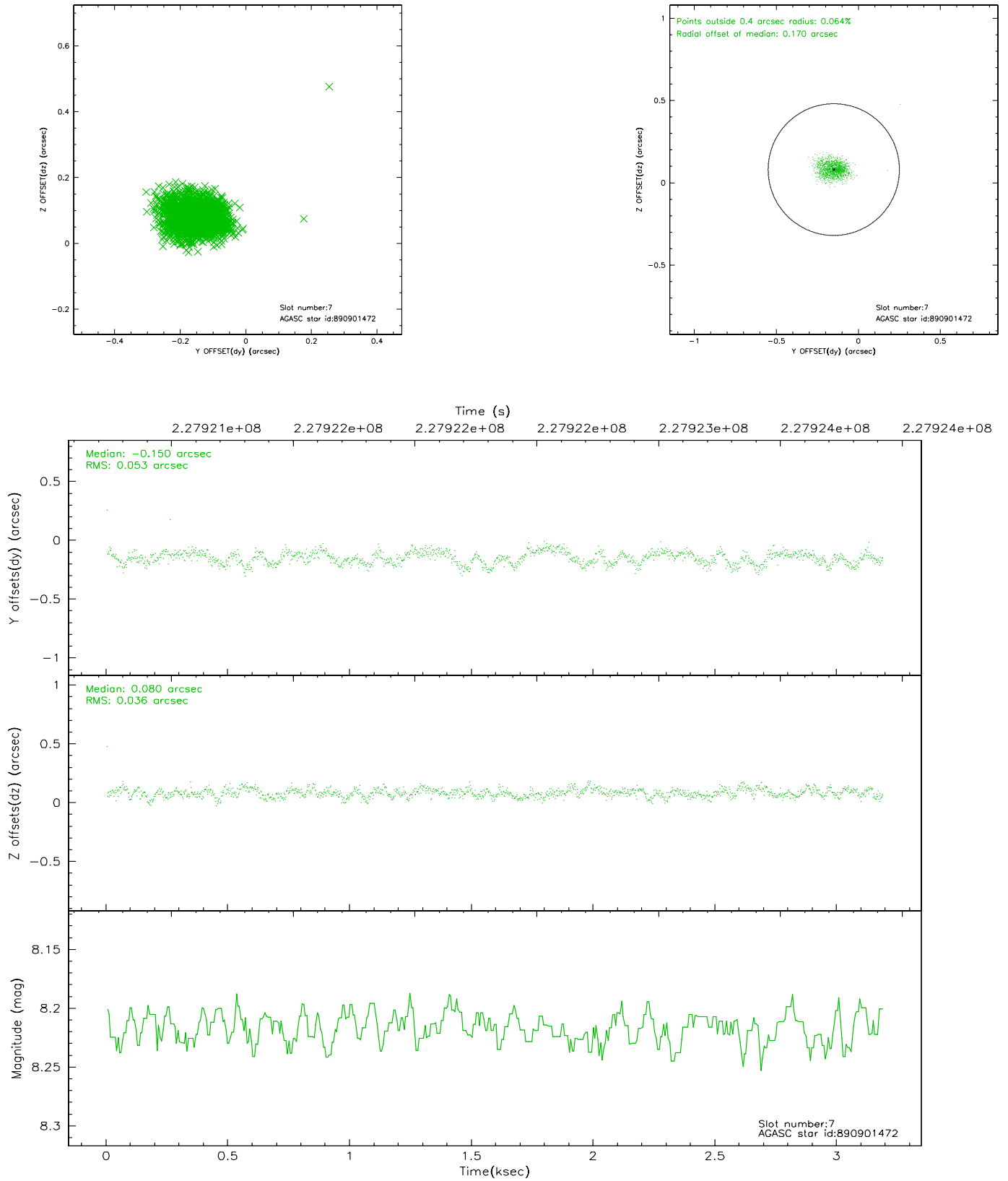
2.4.3 Slot 5



2.4.4 Slot 6

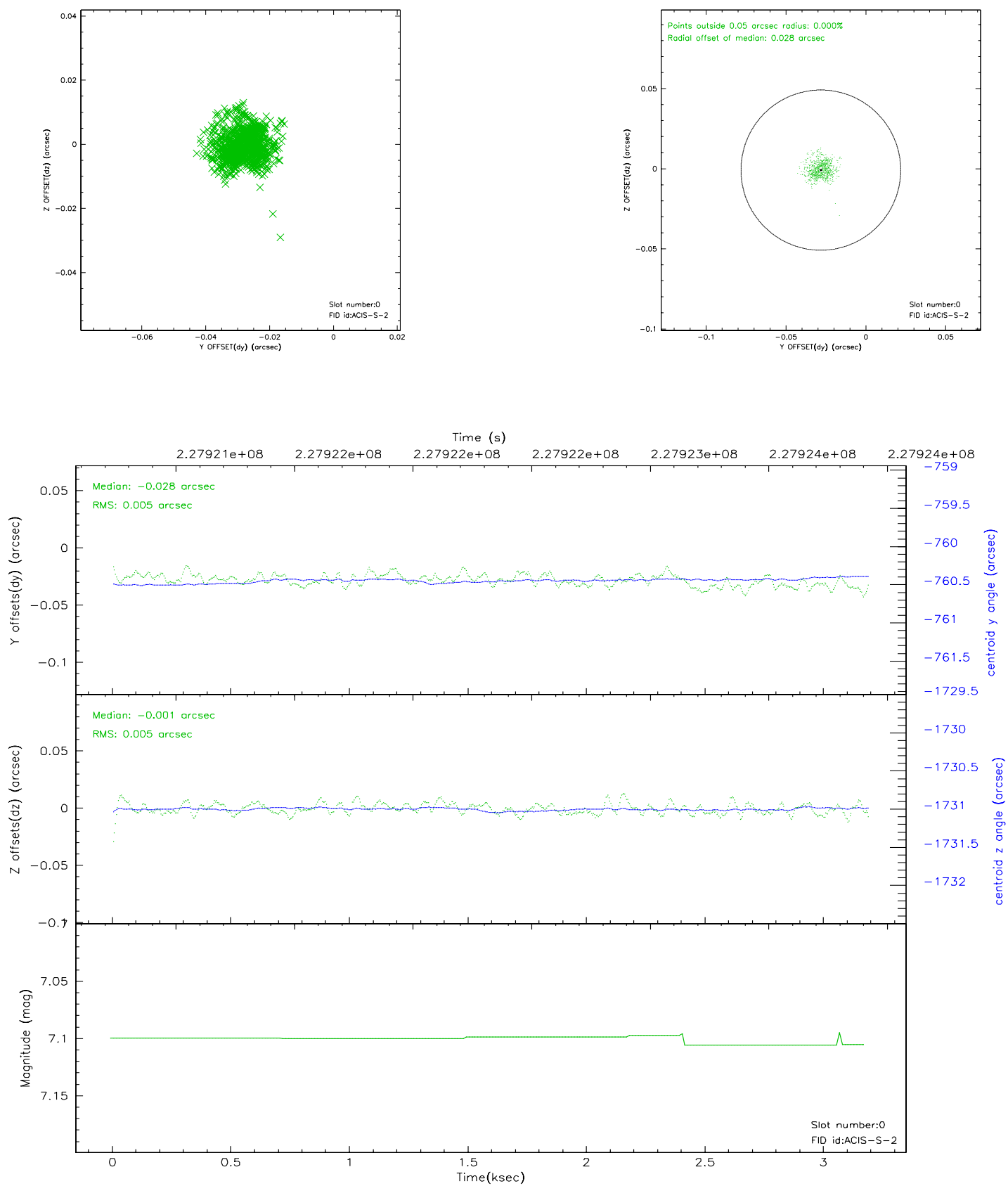


2.4.5 Slot 7

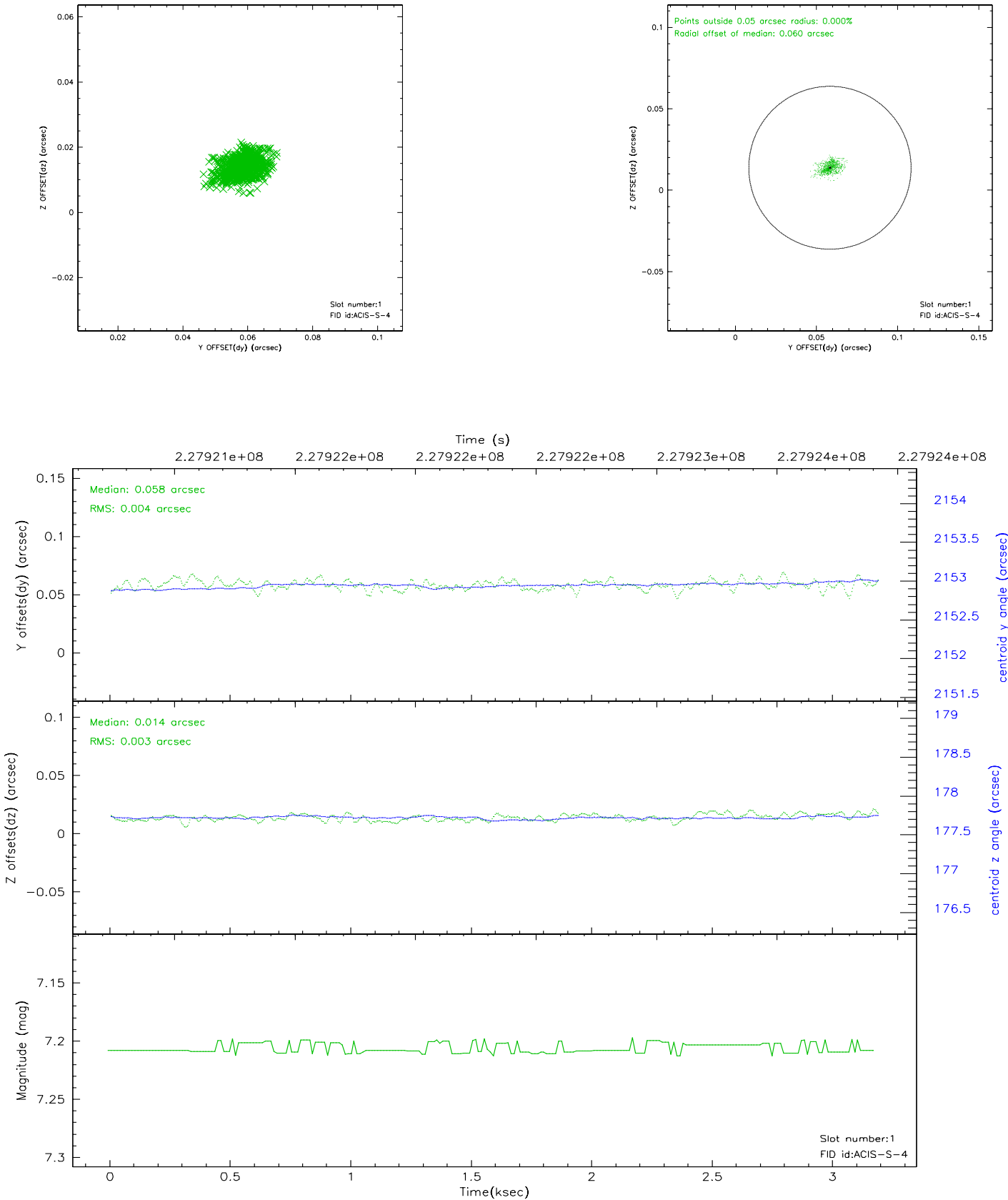


2.5 FID Slots

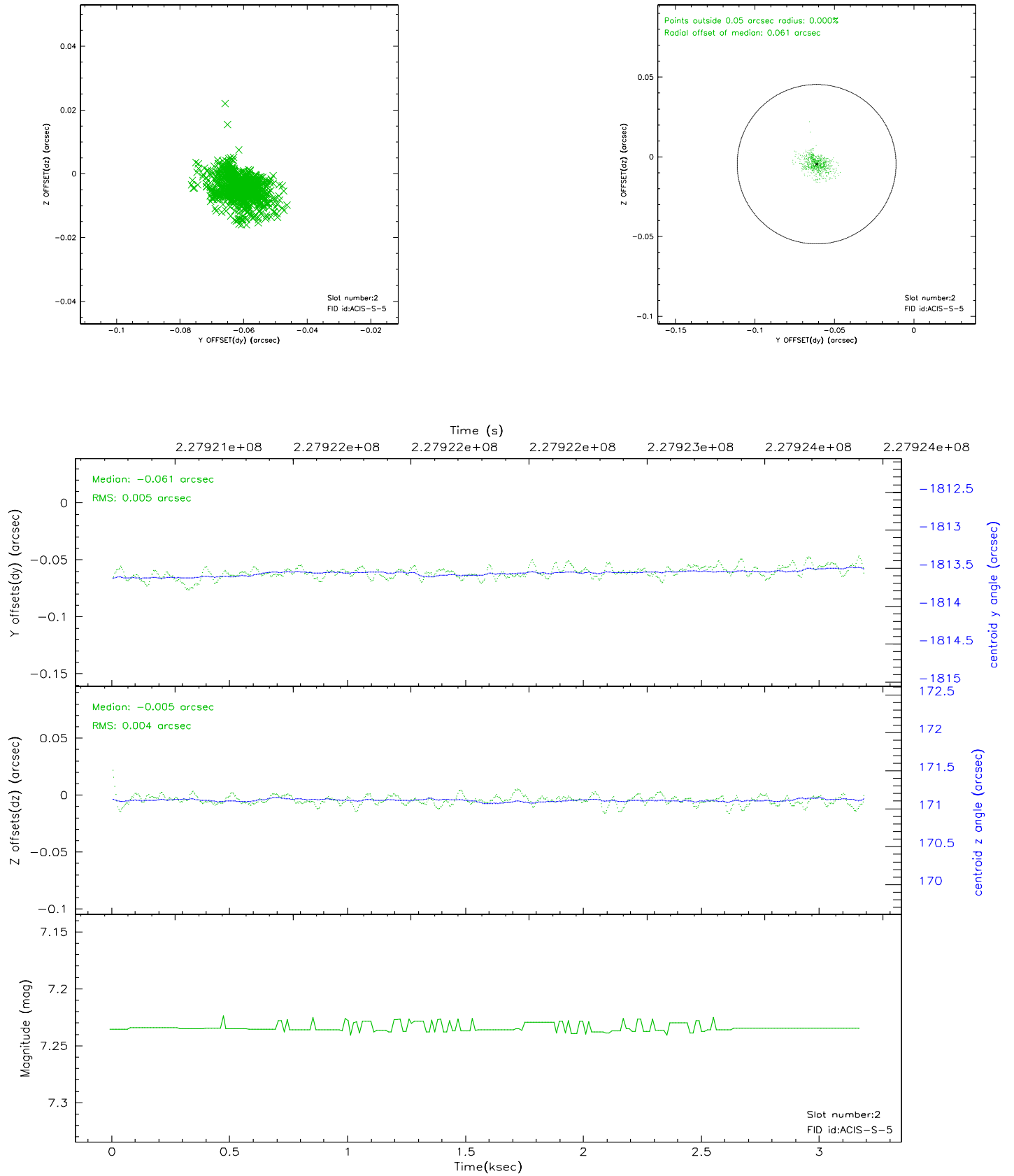
2.5.1 Slot 0



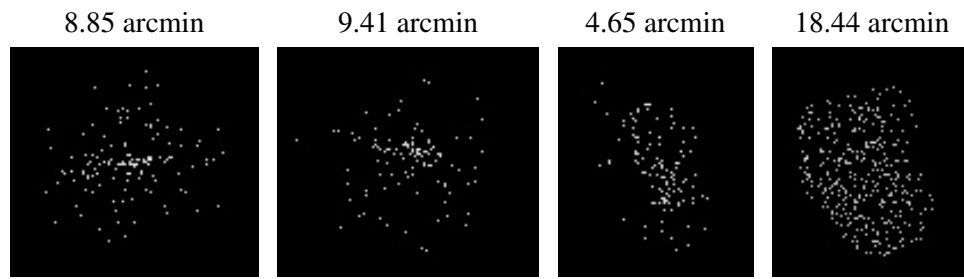
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.751999

A.2 Comments

Observation was nominally scheduled for 3000 sec. Final charge time of 2752 sec reflects the reduction in actual observing time due to normal ACIS operating sequence for this type of operating mode.